




## Outer Planets Research & Analysis Programs

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## Planetary Science Division R&A Programs for Outer Planets

- Planetary Science Division supports 24 R&A programs (ROSES 2006)
  - 5 devoted to Mars (science and technology)
  - 4 devoted to Astrobiology/Planetary Protection
  - 4 devoted to technology (including lab instruments)
  - 3 devoted to mission data analysis (Stardust, Cassini, Discovery)
  - 6 devoted to broad science (Cosmochem, PG&G, PAST, NEO, PATM, OPRP)
  - 2 are “other” (ECF, MESSENGER PS)
- Of these 24, 8 are of specific interest to OP community
  - Stardust SAP, CDAP, DDAP, Cosmochem, PG&G, PAST, PATM, OPRP
- Selections delayed across the board due to budget uncertainties

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## Stardust Sample Analysis Program

- Stardust SAP is devoted to investigations involving direct analysis of Stardust materials and/or the details of the capture process.
  - Investigations of materials from the aft collector (IDPs) are not allowed
- This is a new focus area contained within DDAP
  - Expected budget of \$1.5M
  - Expected to make 15-25 selections
- Proposals due January 19, 2007
- Contact Dave Lindstrom for information
  - (202)358-0311, David.Lindstrom@nasa.gov

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## Cassini Data Analysis Program

- The objective of CDAP is to enhance the scientific return of the Cassini mission by broadening the scientific participation in the analysis and interpretation of the data returned by the mission. This program solicits research proposals to conduct scientific investigations utilizing data obtained by the Cassini spacecraft.
  - No Huygens proposals in ROSES 2006
  - Focused on Saturn system or comparisons between Jupiter and Saturn
  - Must make significant use of data returned by Cassini instruments
- This is a new program
  - 71 proposals submitted
  - Expected ~1 in 3 selection rate
  - Expected budget of \$2.5M
- Selection announcement by end of calendar year
- Contact Denis Bogan for information
  - (202)358-0359, dbogan@nasa.gov

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## Discovery Data Analysis Program

- The objective of DDAP is to enhance the scientific return of completed Discovery missions by broadening the scientific participation in the analysis of data collected by those missions.
  - Stardust, Genesis, Deep Impact, Near Earth Asteroid Rendezvous (NEAR), Lunar Prospector, and Deep Space 1
- ROSES 2006 Information
  - 39 proposals submitted
  - Fund ~60% of proposals
- Current Status (when is selection expected?)
- Contact Bill Knopf for information
  - (202)358-0742, William.Knopf-1@nasa.gov

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## Planetary Geology and Geophysics Program

- PG&G supports scientific investigations of the planetary surfaces and interiors, satellites (including the Moon), satellite and ring systems, and smaller Solar System bodies such as asteroids and comets. The goals of the PG&G program are to foster the gathering, synthesis, analysis, and comparative study of data that will improve the understanding of the extent and influence of planetary geological and geophysical processes on the bodies of the Solar System, the origin and evolution of the Solar System, and the nature of Earth and its history in comparison to other planets.
- ROSES 2006 Information
  - ~\$4M available for new selections
- Selections expected in December
- Contact Steve Saunders for information
  - (202)358-0294, Stephen.Saunders@nasa.gov

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## Planetary Astronomy Program

- The PAST program supports investigations based on ground-based astronomical observations and subsequent data analysis over the entire range of wavelengths from the ultraviolet to radio that contribute to the understanding of the general properties and evolution of the Solar System, its planets, their satellites, and of asteroids and comets.
  - Investigations must contain an element of new observation
- ROSES 2006 Information
  - 53 proposals submitted
  - Expect to select ~10-12
  - \$9.6M with \$1.1M available for new selections
- Review has not yet been held; selections targeted for Jan
- Contact Lindley Johnson for information
  - (202)358-2314, Lindley.Johnson-1@nasa.gov

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## Outer Planets Research Program

- OPRP supports diverse scientific investigations that contribute to the understanding of the outer Solar System, including the giant planets, their satellites, and smaller solid bodies including comets, asteroids, and the Kuiper Belt.
  - Includes both mission data analysis and fundamental research
  - Excludes Cassini and atmospheres in ROSES 2006
- ROSES 2006 Information
  - 51 proposals submitted
  - Expect to select ~10 proposals (~20%)
  - \$8.1M with \$1M available for new selections
- Selection expected in December
- Contact Curt Niebur for information
  - (202)358-0390, Curt.Niebur@nasa.gov

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## Planetary Atmospheres Program

- PATM supports scientific investigations that contribute to the understanding of the origins and evolution of the atmospheres of planets and their satellites, and of comets.
- ROSES 2006 Information
  - 66 proposals submitted
  - 20 selections
- Letters sent Oct. 26
- Contact Phil Crane for information
  - (202)358-0716, Philippe.Crane@nasa.gov

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## Career Development Programs

- NASA Earth and Space Sciences Fellowships
  - Successor to GSRP
  - The purpose of NESSF is to ensure continued training of a highly qualified workforce in disciplines needed to achieve NASA's scientific goals
  - Planetary Science proposals due Feb. 1, 2007
- NASA Postdoctoral Program
  - Successor to the NRC Postdoc Program
  - Provides NASA Centers with the responsibility to identify candidate postdoctoral opportunities that meet one or more of the following objectives: (a) conduct cutting edge scientific research consistent with NASA's and SMD's strategic objectives; (b) recruit the finest early career scientists for short-term, focused research opportunities; and (c) infuse new skills into, and revitalize, both new and existing research groups.
- Early Career Fellowship
  - Established to facilitate the integration of new discipline researchers into the established research funding programs and to provide tools and experience useful when searching for a more advanced (i.e., tenure-track, civil servant, or equivalent) position
- Proposal Writing Workshops
  - Held at LPSC and DPS (and OPAG mtg?)
  - Workshop covers best practices for proposal writing and review process

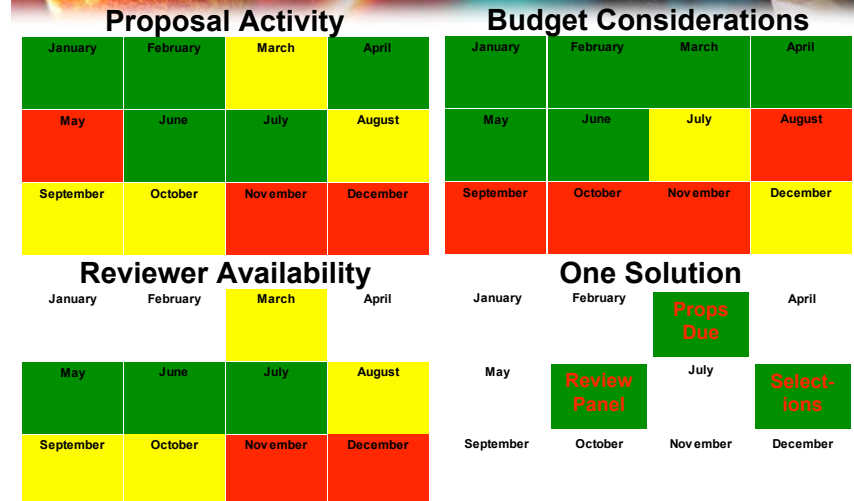
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## Proposal Due Dates

- Requests from community to avoid clustering due dates of programs with common proposers
- Dates from ROSES 2006
  - CDAP: April 25, 2006
  - DDAP: April 28, 2006
  - OPRP: April 28, 2006
  - PG&G: May 5, 2006
  - PAST: June 2, 2006
  - PATM: June 16, 2006
  - Stardust SAP: Jan. 19, 2007
- Proposal due dates are at discretion of Discipline Scientists
  - Selected to maximize probability of populating the panel
  - Negotiated with NRESS to ensure staff is available
  - Review within 3 months of proposal due date; selections within 2 months of review

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## Proposal Due Dates: Threading the Needle



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# OPRP, PATM, and PG&G Overlap

