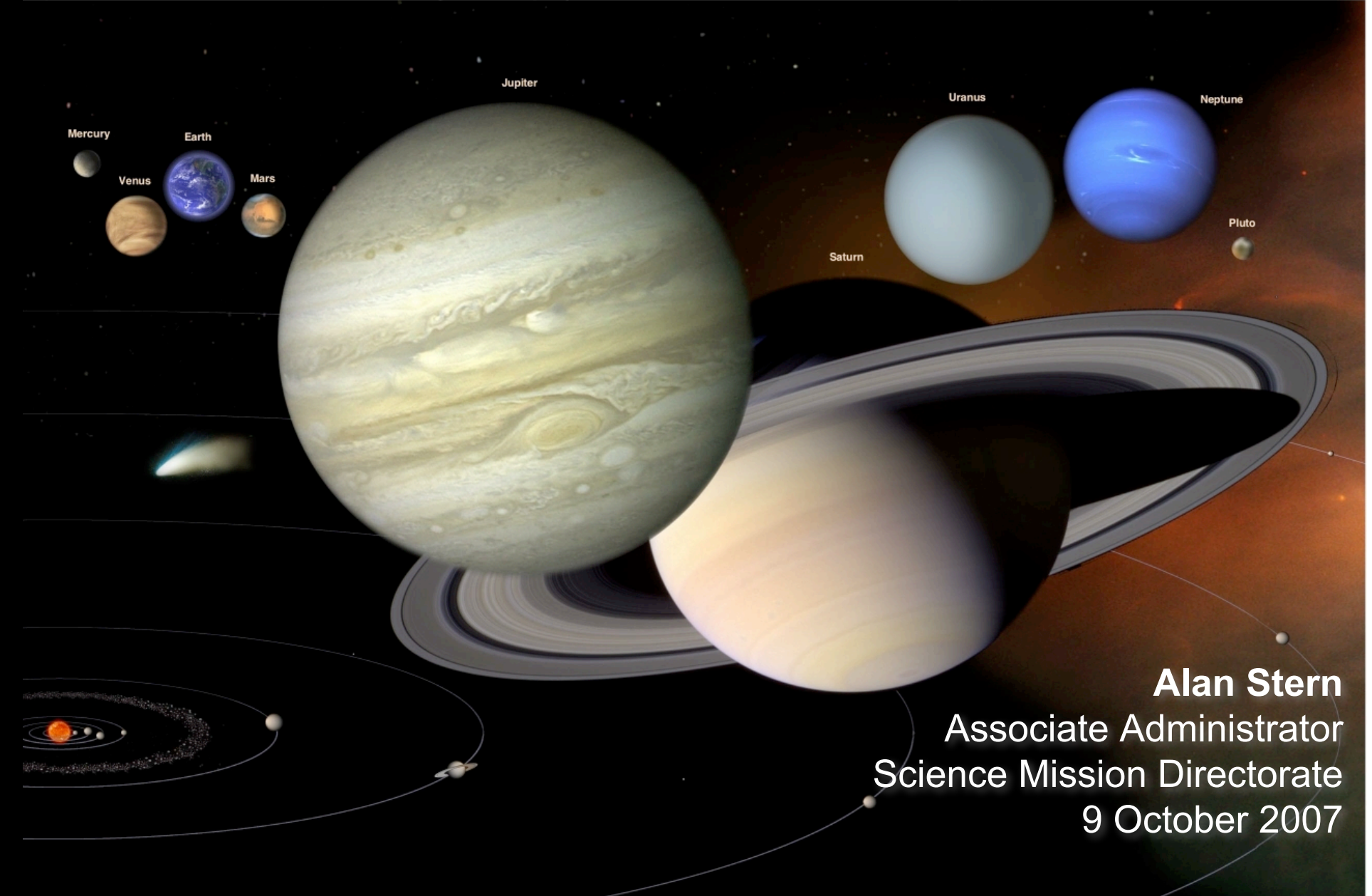




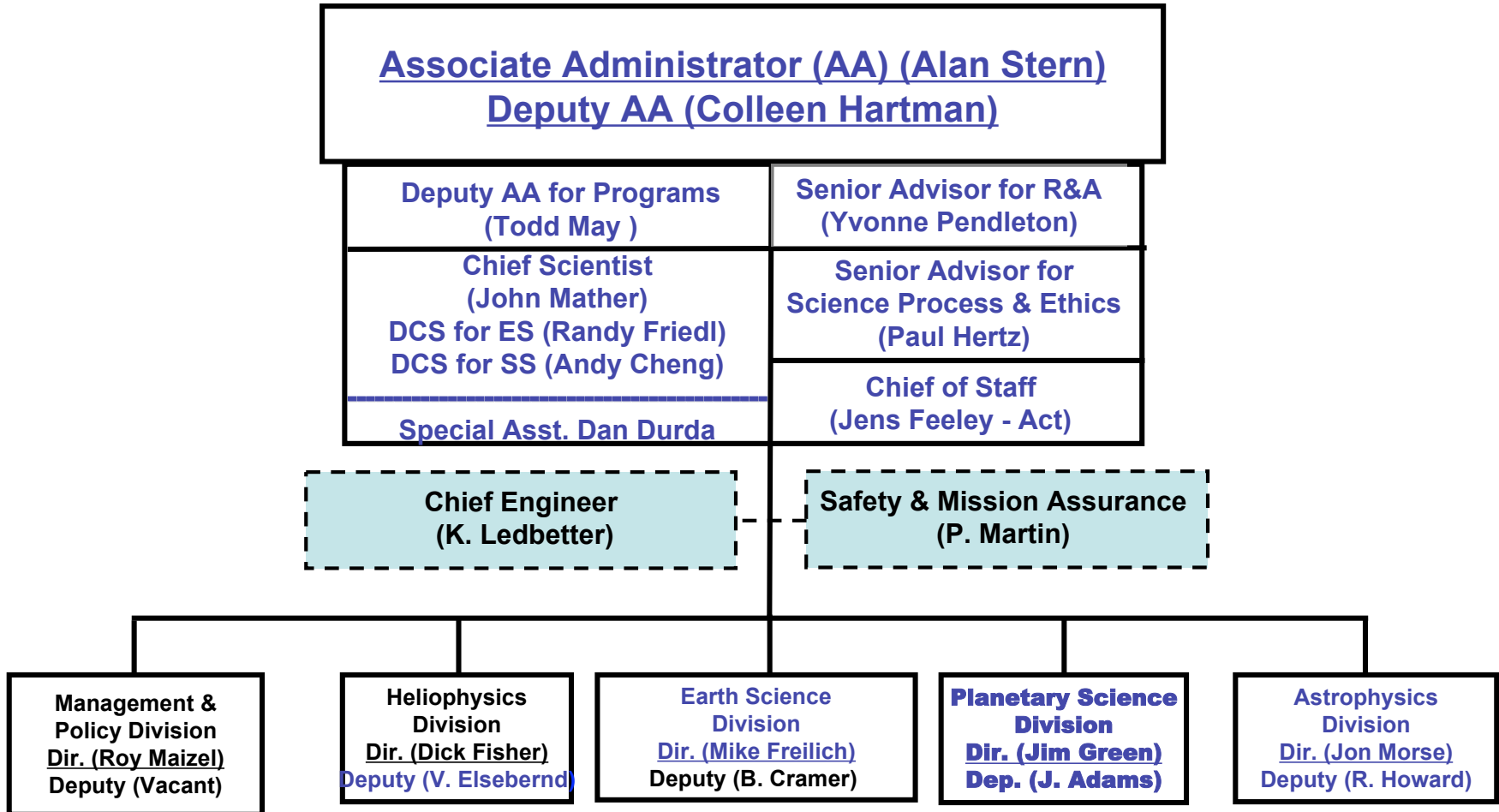
NASA NIGHT @ DPS'07

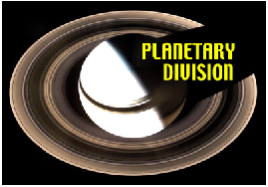


Alan Stern
Associate Administrator
Science Mission Directorate
9 October 2007



SMD's NEW TEAM

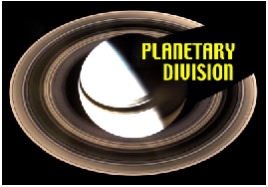




FOUR CORE OBJECTIVES

- To Get More Science Done With Our Budget.
- To Ensure “The Vision” Succeeds.
- To Promote U.S. Leadership Across All of SMD’s Science Disciplines.
- To Create a Better Workplace.





OBJECTIVES

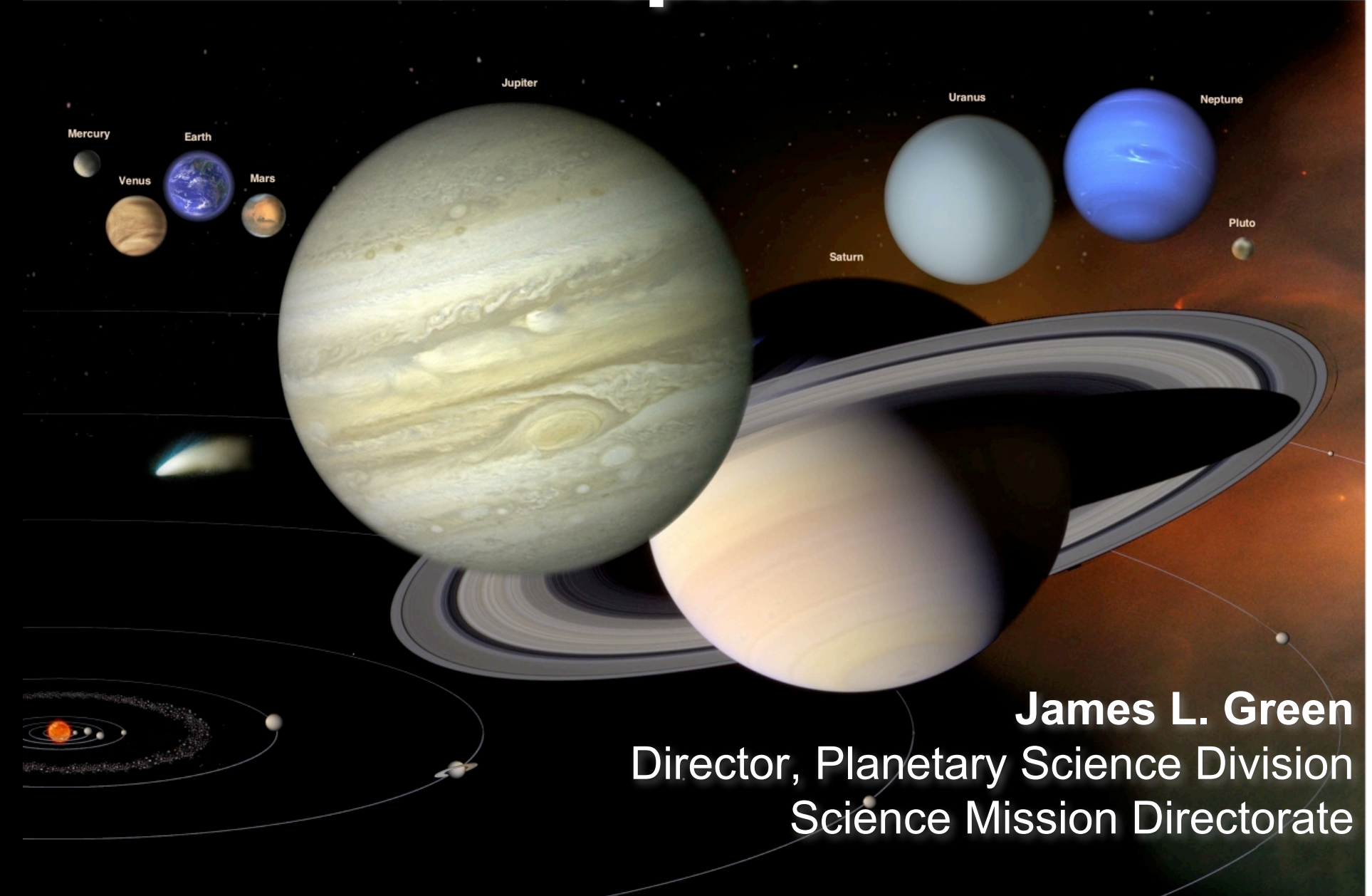


- Control Costs.**
- Increase Flight Rates.**
- Repair R&A: Both Processes & Budget**
- Ensure Missions Fund Their Science.**

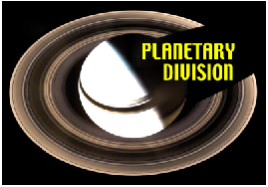
- Expand Foreign Collaborations.**
- Expand Suborbital Research.**
- Recreate a Lunar Science Community.**
- Accelerate Progress on All Four Decadal Surveys.**



Planetary Science Division Update



James L. Green
Director, Planetary Science Division
Science Mission Directorate



PSD UPDATE



- Since we talked last:
 - Both EPOXI and NExT selected
 - Both 2013 ExoMars instruments funded.
 - OP Flagship studies in, being evaluated, downselect in December
 - Moving to a yearly Mission of Opportunity (MoO) call
- R&A News
 - Selected/Selectable/Not Selected categories
 - FY08: put back the 15%, and more (total ~20%)
 - Astrobiology getting 29% increase
 - New calls: NH JDAP, LASER, LRO PSP, Disco/Scout Mission Concepts (using 2-Stirling RPS systems totaling 280W)
 - ROSES 2008 Changes
 - Changing DDAP to Planetary Data Analysis Program (any data in PDS plus data restoration)



AWARDS



Early Career Fellows

Name	Institution	Title	Sponsoring Program
Barbara Cohen	University of New Mexico	Bombardment History of the Inner Solar System	Cosmochem
Brian Hynek	University of Colorado	Geologic, Stratigraphic, and Thermophysical Analyses of Bedrocks In and Around Terra Meridiani, Mars	PG&G
Devon Burr	SETI Institute	Aeolian Sediment Movement under Titan Conditions: Wind Tunnel Experiments and Modeling	PG&G
Leslie Bleamaster	Planetary Science Institute	Geologic mapping along the arabia terra dichotomy boundary: mawrth vallis and nili fossae, mars	PG&G
Josh Bandfield	Arizona State University	Investigation of spectral diversity in Thermal Emission Imaging System data	MDAP
Jiayang Li	University of Maryland	Photometric Studies of Cometary Nuclei	DDAP
Kandis Lea Jessup	SWRI	Investigations into Io's SO ₂ Life Cycle	PAST
Matthew Pasek	University Arizona	Reduced Phosphorus Assemblages as Sources of Reactive P the Origin and Evolution of Early Life	Exobiology
Daniel Nunes	Lunar and Planetary Institute	Formation of the Martian polar chasmata: a coupled thermal-elastoviscoplastic approach	MFRP

NASA's Planetary Science Division's Distinguished Community Service Award: Goes to.....



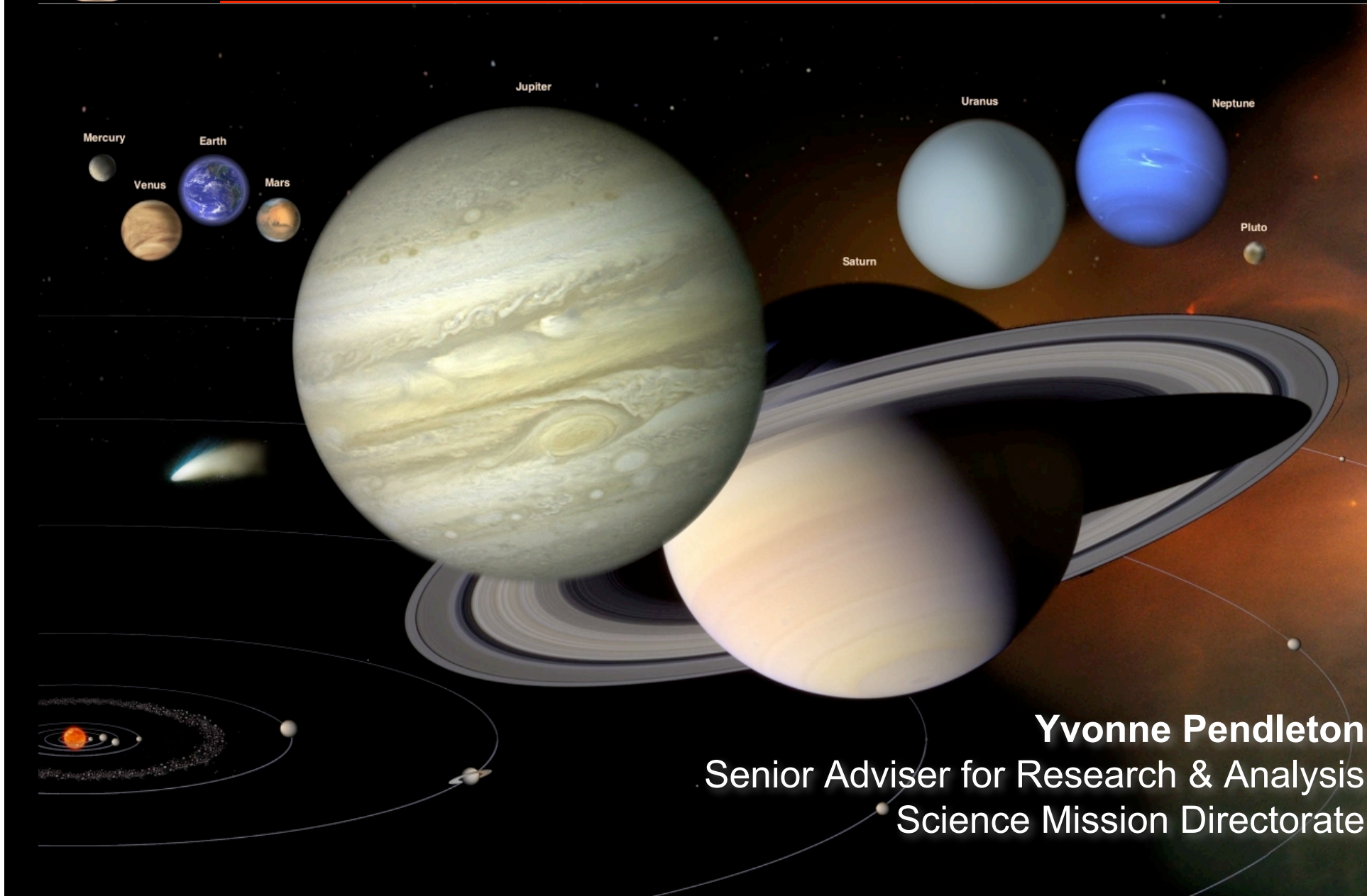
Who is this man?



Dr. Mark Sykes,
Director of the
Planetary Science
Institute



Improvements in R&A



Yvonne Pendleton
Senior Adviser for Research & Analysis
Science Mission Directorate



SARA UPDATE

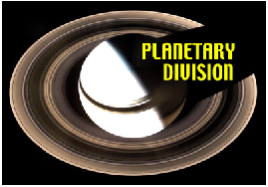


Our Growing Vision for NASA's R&A and DA:

- Getting More Science From our Budget
- Responsive and Interactive Science Leadership at All Levels
- Manage to Demand-Driven Budgets (Target ~1:3 Win Ratio in Panels)

A Practical Vision

- Increase Stability for PI's (*e.g., longer awards; better funds flow*)
- Reduce Non-science Workload on PI's (*tracking funds, report simplification, notification of program and funding status, etc.*)
- Simplify Where Possible (*NSPIRES/ ROSES Changes from community requests*)
- Tie Mission Data Analysis Funding to Level 1 Requirements Verification

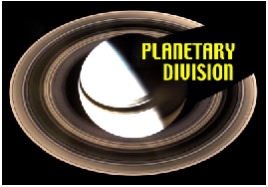


R&A UPDATE



Examples of Changes Since April 2, 2007:

- Adoption of Longer Grant Option for Many Programs
- Adoption of Faster Proposal Status Notification
- New Opportunities for Early Career Ph.D.s in Panel Reviews
- No-Cost Extension Backlog of 300 Eliminated!
- Immediate Resolution of ~100 Stalled Funding Issues with Plans for Long Term Solutions
- Responded to more than 700 SARA emails
- SARA Web Site Launched for Information Exchange



R&A UPDATE cont.



More Changes That Support R&A:

- Selected & Funded LSSO Proposals Out of Discretionary Funds
- Over Budget Missions Did NOT, Will NOT Take From R&A
- \$3M Put Back Into Astrobiology NAI Immediately
- Status Reports Sent to Proposers on ~15 Late Programs
- Program Officers Strongly Encouraged to Communicate More
- Brought NEOO Program Back from ESMD to SMD (with funding)
- Small Explorer (SMEX) AO Announced
- Regular (yearly) AO call for MoO



LOOKING FORWARD



Examples of Changes Under Consideration:

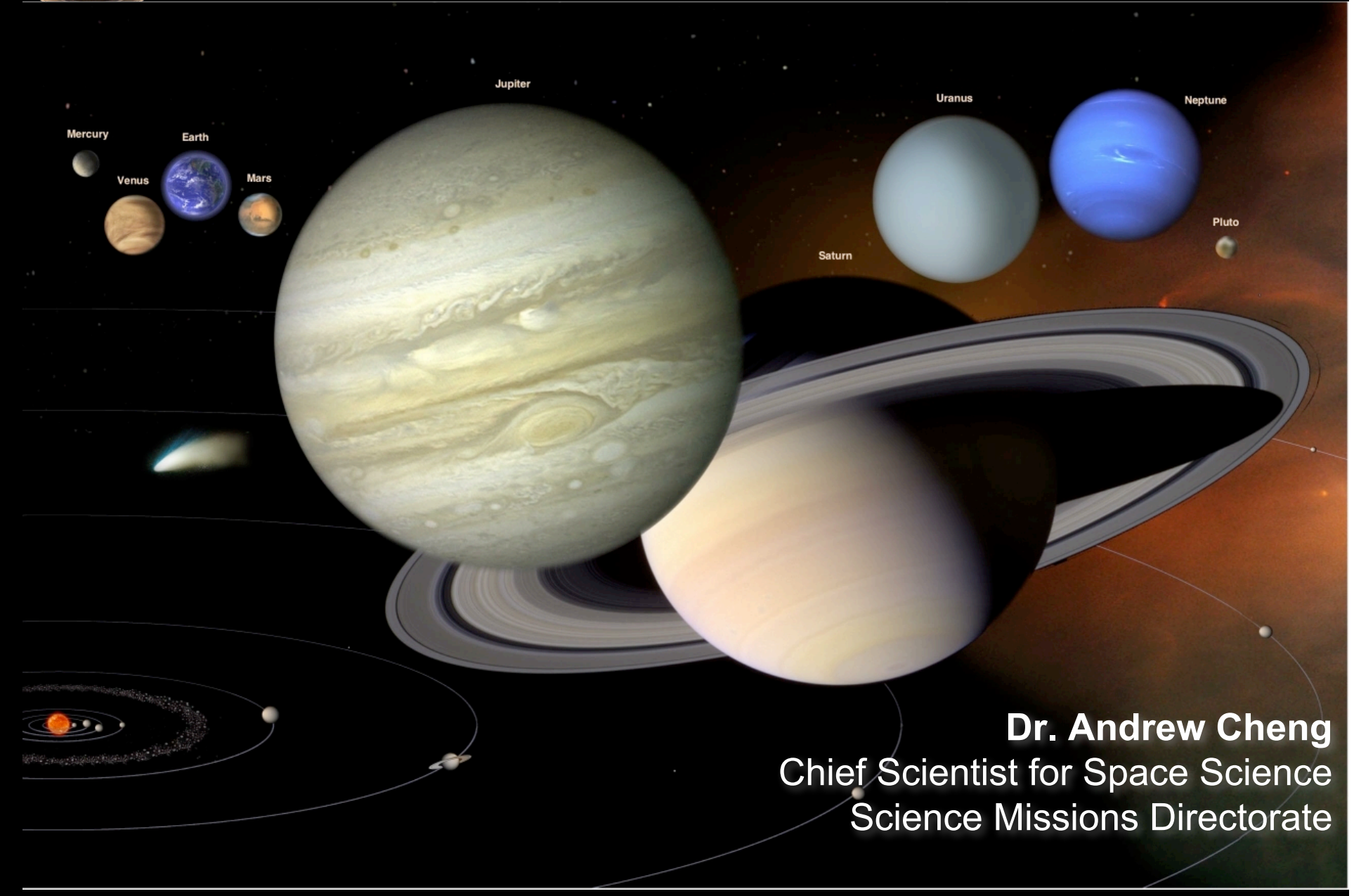
- Easier EPO Funding Mechanisms
- Proposal Budget Assessment in Panel Reviews
- More On-Ramp Programs for New Researchers

Send Us Your Ideas
E-mails sara@nasa.gov

Web Site Launched for Information Exchange
<http://science.hq.nasa.gov/research/sara.html>



Chief Scientist Update



Dr. Andrew Cheng
Chief Scientist for Space Science
Science Missions Directorate



OFFICE OF THE CHIEF SCIENTIST



- John Mather (Chief Scientist)
 - Andy Cheng (Deputy for Space Sciences)
 - Randy Friedl (Deputy for Earth Science)
- We are three members of the science community in the SMD front office.
- We provide the Associate Administrator of SMD with independent science and technical advice.



OFFICE OF THE CHIEF SCIENTIST



- Examples of where we make scientific inputs:
 - Mission key decision points: selections, confirmations, descopes, launch and readiness approvals.
 - Research priorities: assess science merit of NASA programs within and across Divisions.
 - Community and advisory committee interfaces: NASA Advisory Council and Space Studies Board
 - NPD/NPR 1080.1 and 7120.8 revisions.



NOW FOR A LITTLE NEWS



Tonight We Are Announcing:

- ❑ A 30 orbit HST lunar DD time call for proposals for HST Cycle 18.
- ❑ Re-initiation of the planetary suborbital rocket and balloon program; first proposals due in ROSES-08.
- ❑ The formation of an NAI-like NASA Lunar Science Institute (NLSI) for lunar science: Central Node at NASA/Ames; Node proposals due early in 2008.



AND MORE NEWS



We Are Also Announcing:

- ❑ A JWST moving target capabilities effort.
- ❑ A U.S. offer to fly a Canadian mission to Mars, by 2013, with full U.S. participation in the science team.
- ❑ A broadened JDAP NRA, with twice the funding, which goes beyond New Horizons to include Cassini, Galileo, and other archival Jupiter-system datasets.