

PLANETARY SCIENCES SUBCOMMITTEE MEETING

**26-27 January 2011
NASA Headquarters
Washington DC**

Meeting Goals

- **Welcome new PSS members and thank those cycling off**
- **Review current PSD issues, especially related to budget**
- **Reports from Planetary Assessment Groups**
- **Discussion with Dr. Ed Weiler**
- **PSS SR&T study and work to do at this meeting**

**Planetary Science Subcommittee Meeting
26-27 January 2011
NASA Headquarters
Washington, DC**

26 January (8:30 AM – 5:00 PM) Room 5H45

8:30	Welcome & Agenda Review [1] ‡	Ron Greeley, Jim Green
8:45	NAC Science Committee review of Analysis Groups	Ron Greeley
9:15	NLS-2 Update [2]	Jim Norman/Jim Adams
9:30	Mars program up-date (MSL, international efforts, and others) [3]	Doug McCuiston, Michael Meyer
10:15	Break	
10:30	Status of potential Europa Flagship mission [4]	Curt Niebur
10:50	PSD Update – Impact of FY11 CR & FY12 Budget [5]	James Green
12:00	Lunch – at meeting	
12:15	Discussion with Ed Weiler	
1:00	Analysis Group Reports (30 minutes each)	
	• CAPTEM [6]	TBD
	• LEAG [7]	TBD
	• MEPAG [8]	TBD
2:30	Break	
2:45	Analysis Group Reports (30 minutes each)	
	• OPAG [9]	TBD
	• VExAG [10]	TBD
4:00	Discussion, review Action Items	Ron Greeley
5:00	Adjourn	

Group dinner TBD

‡Numbers in brackets refer to presentation file names: <number>-<presenter last name>-<short title>

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Greeley 2 (Jan 2011)

27 January (8:30 AM – 5:00 PM) Room 7H45

- 8:30 SMD Science Discussion Waleed Abdalati
(phone)
- 9:00 Analysis Group Report (30 minutes)
• SBAG [1] Mark Sykes
- 9:30 SR&T Study and R&A Survey results: Observations,
and Findings [2, 3] Ron Greeley, Mark Sykes
- 10:15 Break
- 10:30 R&A Recommendations [4] Ron Greeley
- 12:00 Lunch (on own)
- 1:00 SRT Study Report: Review PSS members
- SRT Traceability / from PSD Goal to mission enabling activities**
- 2:00 Objective 1: “Inventory solar system objects and identify the
processes active in and among them” [5] Tom Craven
- 2:15 Objective 2: “Understand how the Sun’s family of planets,
satellites, and minor bodies originated and evolved” [6] Mini Wadhwa
- 2:30 Objective 3: “Understand the processes that determine the
history and future habitability of environments on Mars
and other solar system bodies” [7] John Grant
- 2:45 Objective 4: “Understand the origin and evolution of Earth
life and the biosphere to determine if there is or ever has
been life elsewhere in the universe” [8] Julie Castillo-Rogez
- 3:00 Objective 5: “Identify and characterize small bodies and the
properties of planetary environments that pose a threat to
terrestrial life or exploration or provide potentially
exploitable resources” [9] Jim Bell
(phone)
- 3:15 Discussion and next steps
- 4:00 Planetary Science - Technology Panel Update [10] Tibor Kremic
- 5:00 Adjourn

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STUDY OF THE PLANETARY SCIENCE DIVISION “SR&T” ACTIVITIES

NAC Planetary Sciences Subcommittee

- The study is “driven” by:
 - PSS recommendations from 2009 to examine the overall R&A program
 - The NRC Report (2010) “*An Enabling Foundation for NASA’s Earth and Space Science Missions*”
 - The NRC report separated flight projects from supporting (SR&T) activities (which constitute the “enabling foundation”)
- NRC Recommendations (paraphrased and geared for the Planetary Science Division or the PSD):

Recommendation 1: *Ensure that PSD mission-enabling activities are linked to the strategic goals for the agency*

- PSD has five science objectives and an overarching scientific goal

Recommendation 2: *Develop and implement an approach for managing the portfolio of activities*

Recommendation 3: *Increase the number of PSD Officers to enable world-class programs*

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PSS Study Goal: *Assess the Planetary Science Division in terms of the NRC recommendations based on the NASA 2010 Science Plan, the current SR&T activities (excluding technology development, which is the subject of another PSD study team), discussions with NASA HQ Officers, and input from the community.*

- **Approach**

- **Form a PSS Working Group (Greeley and Sykes, Bell, Castillo, Cravens, Grant, Limaye, Sumner, Wadhwa; *ex officio* Rall, Noble)**
- **Conduct study through telecons, meetings, and community surveys**
- **Assess the SR&T activities using “metrics” suggested by the NRC**
- **Keep community informed and solicit input through PEN, “Town Halls,” and through the Planetary Analysis Groups**
- **Formulate “observations, findings, and recommendations”**

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Observation

- **Something seen, discovered, witnessed, or learned by the committee during the course of fact-finding or public meetings**
- **A PASSIVE outcome or output**
- **Example: “The Committee discovered that there is an unfunded mandate that NASA must comply with in the area of X”**

Finding

- **An observation about which the committee wishes to state an opinion**
- **A SEMI-ACTIVE outcome or output**
- **Example: “The Committee concurs with the current approach NASA is taking to do X”**

Recommendation

- **A course of action being proposed by the committee for NASA consideration and/or implementation in the future**
- **An ACTIVE outcome or output**
- **Example: “The Committee recommends that NASA form a tiger team to address a critical issue in the area of X”**

STUDY OF THE PLANETARY SCIENCE DIVISION “SR&T” ACTIVITIES

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Our meeting today and tomorrow

- **Review community survey results**
- **Discuss the observations, findings, and recommendations emerging from the survey and the Working Group, especially related to the R&A programs (addresses, in part, NRC Recommendations 2 and 3)**
- **Review the Working Group draft report and the “Traceability matrixes” (from PSD Science Objectives through example investigations, to the SR&T activities; addresses NRC Recommendation 1)**

The status of the study will be reported at future NAC Science Committee meetings (3-4 March; 21-22 April, etc.)