

SMAP Science Definition Team Meeting #10  
Jet Propulsion Laboratory, Pasadena, CA  
Room 321-B20  
March 5-7, 2013

**Tuesday March 5, 2013**

**Mission Status**

- 08:30-08:30** Meeting Opening (E. Njoku)  
**08:35-08:45** Dr. Charles Elachi  
**08:45-08:55** Meeting Objectives (D. Entekhabi)  
**08:55-09:25** Project Status (K. Kellogg and S. Thurman)  
**09:25-09:55** Instrument Update (C. Chen)
- 09:55-10:15** **Break**
- 10:15-10:35** Mission Systems Update (B. Jai)  
**10:35-10:55** SDS Update (J. Cruz)  
**10:55-11:25** Science Calendar and Project Science Deliverables (E. Njoku)  
**11:25-11:45** Discussion (All)
- 11:45-12:45** **Lunch**
- 12:45-13:00** Science Program and ROSES ST Status (J. Entin)

**Cal/Val: Workshop #3 and SMAVEX15**

- 13:00-13:20** Cal/Val Workshop #3 Outcomes (T. Jackson)  
**13:20-13:30** SMAPVEX15 Questionnaire Results (E. Njoku)  
**13:30-13:40** PALS Status 2013 through 2015 (E. Njoku)  
**13:40-13:50** SMAPVEX15 Priorities Discussion (All)

**Cal/Val: Rehearsals Phases 1 and 2**

- 13:50-14:00** Status of Cal/Val Partner Agreements (A. Colliander)  
**14:00-14:15** L1-L4 Cal/Val Rehearsals: Schedule and Metrics (T. Jackson, M. Spencer, A. Colliander)  
**14:15-14:40** Cal/Val Rehearsals: Plans for L2-L4 Soil Moisture (A. Colliander, T. Jackson)  
**14:40-15:00** Cal/Val Rehearsals: Plans for L3 F/T and L4\_C (S. Dunbar, J. Kimball)  
**15:00-15:20** Cal/Val Rehearsals: Plans for L1 Products (M. Spencer)
- 15:20-15:35** **Break**
- 15:35-15:50** SDS Plans for science support of Cal/Val Rehearsal Phases 1 & 2  
(B. Weiss, D. Cuddy)  
**15:50-16:30** Cal/Val Rehearsal Phases 1 & 2 Discussion (All)

**Wednesday March 6, 2013**

**Cal/Val: Ground-Based and Airborne Campaigns and Satellite Data**

- 08:30-09:00** SMAPVEX12 Data and Calibration Status (T. Jackson)  
**09:00-09:20** UAVSAR/AirMOSS/Aquarius October 2012 Drought Baseline Data  
(M. Moghaddam and T. Jackson)  
**09:20-09:40** SMAPEX Australia Status and Future Campaigns (J. Walker)  
**09:40-10:10** COMRAD Calibrated Data Inventory and Future Plans (P. O'Neill and S. Kim)
- 10:10-10:30** **Break**
- 10:30-10:50** SMOS Retrievals (Y. Kerr and T. Jackson)  
**10:50-11:10** Aquarius Retrievals (T. Jackson and R. Bindlish)  
**11:10-11:30** AirMOSS Retrievals (M. Moghaddam)
- 11:30-12:00** Cal/Val Discussion (All)
- 12:00-13:00** **Lunch**

**Algorithms**

1. Test Plans Until Algorithm Review
2. Option Algorithms and Downselect Timetable and Criteria
3. Error Budget Table Current Version and Update Plans
4. Threshold Values for Product Flags
5. New Elements in ATBD and Delivery 4

- 13:00-13:20** L1 Radiometer (E. Kim)  
**13:20-13:40** L1 Radar (R. West)  
**13:40-14:00** L2 Soil Moisture Passive (S. Chan)  
**14:00-14:20** L2 Soil Moisture Active-Passive (N. Das)  
**14:20-14:40** L2 Soil Moisture Active (S. Kim)  
**14:40-15:00** L3 Freeze/Thaw (S. Dunbar)
- 15:00-15:20** **Break**
- 15:20-15:40** L4 Soil Moisture (R. Reichle)  
**15:40-16:00** L4 Carbon (J. Kimball)
- 16:00-16:15** L1 to L2/3 Common Flags and Ancillary Data (B. Weiss)  
**16:15-16:30** Common Flags and Ancillary Data Discussion (All)
- 16:30-17:30** SMAP Hardware Tour (G. Chen)
- 19:00** **Social Dinner (Location TBD)**

**Thursday March 7, 2013**

**Applications and Applied Science**

- 08:30-09:00** Early Adopter Activities and Feedbacks (S. Moran)  
**09:00-09:20** Priority Application User 2013 Engagements (M. Brown, V. Escobar)  
**09:30-09:40** EAs and Cal/Val Partner Categories and Data Categories Matrix (E. Njoku)  
**09:40-10:00** User and Data Categories Discussion (All)

**SMAP Handbook**

- 10:00-10:10** SMAP Handbook Outline and Schedule (D. Entekhabi)  
**10:10-10:30** SMAP Handbook Discussion (All)  
**10:30-10:50** **Break**

**Education and Public Outreach**

- 10:50-11:40** EPO Activities (K. Yuen)  
1. K-12 Soil Moisture Measurements Plans and Status  
2. K-12 Soil Moisture Measurements Short Video Production  
3. Video of Fabrication and Personnel Interviews  
4. SMAP Products Graphic Files on Web (Algorithm Testbed Data Now and Quick-Look During Flight) For Media and Application Users  
5. Other EPO Activities Including Web Page, Brochures, Stickers. etc.  
**11:40-12:00** EPO Discussion (All)  
**12:00-13:00** **Lunch**

**JPL 2014 Earth Missions Outreach and SMAP**

- 13:00-13:20** Earth 2014 Outreach Plans (M. Greene)  
**13:20-13:30** Earth 2014 Outreach Discussion (All)

**Action Items**

- 13:30-14:00** Meeting Action Items (D. Entekhabi)  
**14:00** **Adjourn**