

**Soil Moisture Active and Passive Mission (SMAP)
Science Definition Team (SDT) Meeting #3
July 28-29, 2009
Westin Pasadena Hotel
Pasadena, CA
(July 27, 2009: Pre-Meetings at JPL)**

Monday, July 27 (at JPL)

Pre-meetings for those who can arrive early to discuss radar modeling and retrieval and radiometer processing implementation:

- 10:00-12:00 Conference room available as needed.....(Bldg 300-316)
13:00-17:00 Radar soil-vegetation forward and retrieval modeling.....(Bldg 300-316)
14:00-17:00 Radiometer L1 Processing.....(Bldg 300-221)

Tuesday, July 28 (at Westin Pasadena Hotel)

- 08:15 Opening Remarks.....(Entekhabi)
08:25 Logistics Announcements.....(Njoku)
08:30 Project Update.....(Kellogg)

Science-related RFAs from the SRR/MDR and their planned disposition:

- 08:45 RFA on Orbits.....(Long)
09:15 RFA on Data Loss.....(Goodman)
09:45 RFA on Hi-Res Data Acquisition.....(Goodman/Jai)

10:15 Break (15 Minutes)

- 10:30 Instrument Design Status.....(Spencer)
11:10 SDS & Testbed Status.....(Toaz, Bicknell, Weiss)
11:50 Testbed Algorithm Implementation Progress.....(Dunbar, Chan, Colliander)

12:15 Lunch (1 Hour)

Algorithms Discussions Covering 1) Recommendations from Oxnard Workshop,
2) Open Algorithm Science and Cal/Val Issues, and 3) Algorithm Test-Bed Plans:

- 13:15 L1B_S0_LoRes and L1C_S0_HiRes.....(West)
13:40 L1B_TB.....(Piepmeier)
14:05 L3_FT_HiRes.....(McDonald, S. Kim)
14:30 L3_SM_HiRes.....(van Zyl, S. Kim)

15:00 Break (15 Minutes)

- 15:15 L3_SM_40km.....(O'Neill, Chan)
15:40 L3_SM_A/P.....(Entekhabi, Das)
16:05 L4_SM.....(Reichle/Koster)
16:30 L4_C.....(Kimball)

17:00 Adjourn

Group Dinner

Wednesday, July 29 (at Westin Pasadena Hotel)

Recommendations from Oxnard Workshop on Cal/Val and Open Cal/Val Issues:

- 08:30 Introduction.....(Jackson, Kimball)
08:45 Project Cal/Val Implementation Plan Overview.....(Njoku, Colliander)
09:15 Cal/Val Plan Discussion
- In Situ Networks (SM and FT)
 - U.S. Core Sites (SM and FT) (Tom Jackson subgroup)
 - In Situ Testbeds (SM and FT) (Mike Cosh subgroup)
 - Scaling Methodologies (SM and FT) (Wade Crow subgroup)
 - International cal/val cooperation (Canada, Australia, Europe, Asia)
 - Activities 2010 (SM and FT)
 - Activities 2011 (SM and FT)
- 12: 15 Lunch (1 Hour)
- 13:15 Radar Polarimetry and Faraday Rotation Discussion.....(Spencer/Freeman)
13:30 Radiometer Polarization Switch.....(Piepmeier)
13:45 Plans for Applications Workshop.....(Moran, O'Neill, Zhan, Entekhabi)
14:00 International Coordination.....(Entin, Belair, Gurney, Kerr, Paloscia, Rosnay, Walker)
- 15:00 Break (15 Minutes)
- 15:15 SMAP Science Graphics and Publications.....(Yuen, Entekhabi)
15:35 Action Item Review and Discussion.....(All)
- 17:00 Adjourn