

SMAP Science Team Meeting #3
Jet Propulsion Laboratory, Pasadena, CA
Room 180-101
October 28-30, 2014

Tuesday October 28, 2014

Introductions and Objectives

- 08:30-08:40**⁽¹⁰⁾ Meeting Opening (S. Yueh)
- 08:40-08:50**⁽¹⁰⁾ Meeting Objectives (D. Entekhabi)
- 08:50-09:10**⁽²⁰⁾ HQ Perspective (J. Entin)

Mission Status

- 09:10-09:40**⁽³⁰⁾ Launch Status (K. Kellogg)
- 09:40-10:00**⁽²⁰⁾ Mission Systems Readiness and IOC Schedule (B. Jai)
- 10:00-10:20**⁽²⁰⁾ SDS Update and OASIS (J. Cruz)

10:20-10:40⁽²⁰⁾ **Break**

Data Distribution and Browse/Discovery

- 10:40-11:00**⁽²⁰⁾ SDS Science Activities Time-Line During IOC and Post-IOC Cal/Val (J. Cruz)
- 11:00-11:20**⁽²⁰⁾ NSIDC DAAC (A. Leon, S. Leslie, S.-J. Khalsa)
- 11:20-11:40**⁽²⁰⁾ ASF DAAC (S. Arko)
- 11:40-12:00**⁽²⁰⁾ SMAP Browse Capability, GIBS and SDS Image Files (C. Thompson, M. Cechini)

12:00-13:00⁽⁶⁰⁾ **Lunch**

Cal/Val

- 13:00-13:20**⁽²⁰⁾ L1 Cal/Val Readiness & Post-IOC Activities Time-Line (M. Spencer)
- 13:20-13:40**⁽²⁰⁾ L2-L4 Cal/Val Readiness & Post-IOC Activities Time-Line (T. Jackson & A. Colliander)
- 13:40-14:00**⁽²⁰⁾ Tier-I and Supplemental Core Sites and Shifted Validation Grids (T. Jackson)
- 14:00-14:10**⁽¹⁰⁾ ■ ST Project Results: L2 Soil Moisture Cal/Val (T. Jackson & R. Bindlish)
- 14:10-14:20**⁽¹⁰⁾ ■ ST Project Results: Triple Collocation (W. Crow)
- 14:20-14:40**⁽¹⁰⁾ ■ ST Project Results: Model L2-L4 Model-Based Evaluation (E. Wood)

14:40-15:00⁽²⁰⁾ **Break**

- 15:00-15:30**⁽³⁰⁾ SMAPVEX15 and SMAPVEX16 (T. Jackson)
- 15:30-15:50**⁽²⁰⁾ PALS Status (S. Misra)
- 15:50-16:10**⁽²⁰⁾ SLAP Status (E. Kim)
- 16:10-16:30**⁽²⁰⁾ ■ ST Project Results: SMAPEX (J. Walker)
- 16:30-16:40**⁽¹⁰⁾ 2015 Field Activities at Core Cal/Val Sites (J. Entin)

16:40 **Adjourn**

October 29, 2014

Task Groups Reports

08:30-09:00₍₃₀₎ TG2: tau-omega Model Parameters Update (P. O'Neill & S. Chan)
09:00-09:30₍₃₀₎ TG3: Dynamic Water Bodies Flag and Thresholds (J. van Zyl & S. Kim)
09:30-10:00₍₃₀₎ TG4: RFI Algorithms Parameters (J. Johnson)
10:00-10:10₍₁₀₎ ■ ST Project Results: RFI Detection and Mitigation (J. Johnson)

10:10-10:30₍₂₀₎ **Break**

10:30-11:00₍₃₀₎ TG5: Radiometer Calibration (S. Misra)
11:00-11:10₍₁₀₎ ■ ST Project Results: Radiometer Calibration (S. Misra)
11:10-11:20₍₁₀₎ ■ ST Project Results: Radiometer Calibration (D. Le Vine & E. Dinnat)
11:20-12:00₍₁₀₎ TG Discussion (All)

12:00-13:00₍₆₀₎ **Lunch**

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

13:00-13:30₍₃₀₎ TG6: Satellite Products Intercomparisons (E. Njoku & A. Colliander)
13:30-13:50₍₂₀₎ ■ ST Project Results: SMOS Retrievals, Algorithms Updates and Validation (Y. Kerr)
13:50-14:10₍₂₀₎ Aquarius Retrievals (T. Jackson and R. Bindlish)
14:10-14:30₍₂₀₎ AirMOSS in 2014 and 2015 & Joint UAVSAR-AirMOSS Flights (M. Moghaddam)

14:30-14:50₍₁₀₎ **Break**

Algorithms and Data Products

1. Latest Testing Results
2. Publications
3. Updates to Algorithms and Algorithm Parameters
4. Updates to ATBDs and Ancillary Data Reports Prior to Launch
5. Post-Launch Updates of Parameters and Thresholds Plans
6. Criteria for Beta Release of Products

15:00-15:30₍₃₀₎ L1 Radiometer (J. Piepmeier)
15:30-16:00₍₃₀₎ L1 Radar (R. West)
16:00-16:10₍₁₀₎ ■ ST Project Results: Radar Calibration (K. Sarabandi)
16:10-16:40₍₃₀₎ L3 Freeze/Thaw and
TG1 F/T Flags and Thresholds Update During Cal/Val Phase (C. Derksen & S. Dunbar)

16:40 **Adjourn**

19:00 **Social Dinner**

Thursday October 30, 2014

Algorithms and Data Products

1. Latest Testing Results
2. Publications
3. Updates to Algorithms and Algorithm Parameters
4. Updates to ATBDs and Ancillary Docs
5. Post-Launch Updates of Parameters Plan
6. Criteria for Beta Release of Products

- 08:30-08:50**⁽²⁰⁾ L2 Soil Moisture Passive (S. Chan & P. O'Neill)
08:50-09:10⁽²⁰⁾ L2 Soil Moisture Active-Passive (N. Das & D. Entekhabi)
09:10-09:30⁽²⁰⁾ L2 Soil Moisture Active (S. Kim & J. van Zyl)
09:30-09:40⁽¹⁰⁾ ■ ST Project Results: Radar Algorithms (M. Moghaddam)
09:40-09:50⁽¹⁰⁾ ■ ST Project Results: Radar Algorithms (L. Tsang)
09:50-10:00⁽¹⁰⁾ ■ ST Project Results: Radar Algorithms (J. van Zyl)
10:00-10:10⁽¹⁰⁾ ■ ST Project Results: Radar Algorithms (N. Pierdicca)

10:10-10:30⁽²⁰⁾ **Break**

- 10:30-10:50**⁽²⁰⁾ L4 Soil Moisture (R. Reichle)
10:50-11:00⁽¹⁰⁾ ■ ST Project Results: L4 Soil Moisture (R. Reichle)
11:00-11:10⁽¹⁰⁾ ■ ST Project Results: Land-Atmosphere Interactions (R. Koster)
11:10-11:20⁽¹⁰⁾ ■ ST Project Results: L4 Soil Moisture (S. Belair)
11:20-11:40⁽²⁰⁾ L4 Carbon (J. Kimball)
11:40-11:50⁽¹⁰⁾ ■ ST Project Results: Net Ecosystem Exchange (J. Kimball)
11:50-12:00⁽¹⁰⁾ Algorithms Discussion and Action-Items (All)

12:00-13:00⁽⁶⁰⁾ **Lunch**

Launch Activities

- 13:00-13:20**⁽²⁰⁾ Launch Site Activities (K. Lievense)
13:20-13:40⁽²⁰⁾ Launch Site ST and Media Plans Discussion (All)

Applications and Applied Science

- 13:40-14:00**⁽²⁰⁾ SMAP Early Adopters Pre-Launch and Post-Launch (V. Escobar and N. Das)
14:00-14:10⁽¹⁰⁾ ■ ST Project Results: Applications (S. Moran)
14:10-14:20⁽¹⁰⁾ ■ ST Project Results: Applications (R. Gurney)

14:20-14:40⁽²⁰⁾ **Break**

Education and Public Outreach

- 14:40-15:00**⁽²⁰⁾ SMAP and GLOBE Program (B. Campbell, N. Das, E. Podest)
15:00-15:10⁽¹⁰⁾ GLOBE Program Office Perspective (D. Butler)
15:10-15:30⁽²⁰⁾ Revised Soil Moisture Protocols (N. Das, E. Podest)

Media

- 15:30-15:40**⁽¹⁰⁾ Calendar and Timeline (S. Yueh)
15:40-16:00⁽²⁰⁾ New SMAP Web Page (S. Callery)
16:00-16:20⁽²⁰⁾ Earth 2014 Outreach Plans (S. Callery)
16:20-16:40⁽¹⁰⁾ Media and Public Affairs Office (A. Buis)

16:40 **Adjourn**