Soil Moisture Active and Passive (SMAP) Mission

Algorithms and Calibration/Validation Workshop

Embassy Suites Hotel, Oxnard, CA
June 9-11, 2009

Agenda

Day 1 (Tuesday June 9, 2009)

08:00	Registration/Check-In	
08:30	Opening/Introduction	Moghaddam/Jackson

Mission Overview		**Njoku**
08:45	SMAP mission status	Kellogg
09:15	SMAP Measurement System	Spencer/West
10:00	**Break**	
10:15	SMAP Science Data System (SDS)	Bicknell
10:40	Gridding/Projections & Algorithm Testbed Status	Dunbar/Chan

Algorithms Workshop		**Moghaddam**
11:05	Algorithms Workshop Expectations	Moghaddam
11:20	Level 1 Radiometer	Piepmeier/Hudson
11:40	Discussion	
12:10	**Lunch**	
01:10	Level 1 Radar	West
01:30	Discussion	
02:00	Level 3 40 km Soil Moisture	O'Neill et al.
02:20	Discussion (includes 1-slide additional presentations, if any)	
03:00	**Break**	
03:15	Level 3 Hi-Res Soil Moisture	van Zyl et al.
03:35	Discussion (includes 1-slide additional presentations, if any)	
04:15	Level 3 A/P Soil Moisture	Entekhabi/Das
04:35	Discussion (includes 1-slide additional presentations, if any)	
05:15	Adjourn	

Day 2 (Wednesday June 10, 2009)

08:30	Level 3 Freeze/Thaw	McDonald et al.
08:50	Discussion (includes 1-slide additional presentations, if any)	
09:30	Level 4 Soil Moisture	Reichle et al.
10:00	**Break**	
10:15	Discussion (includes 1-slide additional presentations, if any)	
10:55	Level 4 Carbon	Kimball et al.
11:25	Discussion (includes 1-slide additional presentations, if any)	
12:10	**Lunch**	
01:10	Action Items and Wrap Up	Moghaddam

Cal/Val Workshop **Jackson**

02:10   Cal/Val Workshop Expectations   Jackson
02:25   Overview of SMAP Cal/Val approach (Draft Cal/Val Plan)   Jackson/Kimball

03:00   **Break**

03:15   Cal/Val requirements from algorithms (L1)   Piepmeier/West
03:45   Cal/Val requirements from algorithms (L3 & L4) O'Neill/van Zyl/Das/McDonald/Reichle/Kimball
04:45   Preliminary assessment of priorities   Jackson
05:00   Adjourn

Day 3 (Thursday June 11, 2009)

08:30   In situ network data acquisition and integration   Jackson
      SM Networks
         USDA NRCS   *Schaeffer*
         SCAN NOAA CRN   *Wilson*
         Oklahoma Mesonet   *Basara*
         USDA ARS Watersheds   *Cosh*
         COSMOS   *Zreda*
         GPS   *Small*
         Additional presentations (1 slide)
      FT(Met) Networks   Kimball/McDonald
      Compatibility of Networks with Cal/Val Needs   Jackson
      Proposal for establishing an Insitu Testbed(s)   Cosh
      Strategy for International Participation   Jackson
09:45   Methodologies for scaling   Famiglietti
      Methods
         Replication and Variability   *Famiglietti*

10:00   **Break**

10:15   Methodologies for scaling (cont.)
         Temporal Stability   *Cosh*
         Enhanced Temporal Stability   *Mohanty*
         Model Enhanced Approaches   *Crow*
         Additional presentations (1 slide)
      Research Priorities   Famiglietti/Jackson
11:15   Design of an optimal SMAP multi-scale validation site   Jackson/Kimball
      Identify potential primary validation sites and actions needed for
      implementation

12:15   **Lunch**

01:30   Satellite resources and role in SMAP Cal/Val   Jackson/Kimball
      Prelaunch
      Postlaunch
      Comments from SMOS, GCOM-W, and Aquarius on cooperation
02:00   Field Campaign Plans (Near-Term): SMAPVEX10   Jackson/Kimball

03:15   **Break**
03:30   Field Campaign Plans (Long-Term) Cal/Val Scenarios   Jackson/Kimball
04:30   Wrap-up discussions and actions   Jackson/Colliander
05:00   Adjourn