

SWOT Science Working Group Meeting
March 1-2, 2010
Crystal City Sheraton, Arlington, VA

Agenda

Monday, March 1

- 8:15** Introduction (L-L. Fu)
- 8:30** NASA Program Status (E. Lindstrom)
- 8:45** CNES Program Status (S. Cherchali)
- 9:00** NASA Project Status (P. Vaze)
- 9:15** CNES Project Status (T. Lafon)
- 9:30 Measurement System**
KaRIN error budget (D. Esteban-Fernandez, E. Rodriguez)
- 10:30 Break**
- 11:00** KaRIN error budget (cont'd) (D. Esteban-Fernandez, E. Rodriguez)
- 11:30** CNES mission design studies (J. Lambin, R. Fjortoft)
- 12:00 Lunch**
- Measurement System (cont'd) -- Chair: R. Morrow**
- 1:30** Wet tropo correction (E. Obligis, S. Brown)
- 2:00** KaRIN Roll error reduction E. Rodriguez
- 2:40** CNES roll error studies (G. Dibarboure)
- 3:00** Fast sampling phase (R. Morrow)
- 4:00 Break**
- 4:30** Nadir altimetry and interferometry by KaRIN (E. Rodriguez/R. Fjortoft)
- 5:15** Benefits for velocity estimation (C. Ubelmann)
- 5:30 Adjourn**

Tuesday, March 2

Mission Science Discussions -- Chair: D. Alsdorf

8:30 Hydrology

- 10 mins: Lake storage change from SWOT, (H. Lee)
- 5 mins: Global storage change, (S. Biancamaria)
- 5 mins: Temporal errors in discharge, (S. Biancamaria)
- 20 mins: Estimating depth and related discharge errors, (M. Durand)
- 20 mins: Basin wide data assimilation, (K. Andreadis)

9:30 Oceanography

- 10 mins: Sampling of mesoscale and large-scale ocean signals (P. Klein)
- 10 mins: Reconstruction of vertical velocities (P. Klein)
- 15 mins: SST, SAR and SWOT (B. Chaperon)
- 15 mins: Data assimilation (A. Wirth)
- 10 mins: discussion

10:30 Break

- 11:00 Ocean tides (R. Ray, B. Arbic)
- 11:15 Sea ice (R. Kwok)
- 11:30 Ice sheets (W. Abdalati; via telecon)
- 11:45 Ocean bathymetry (D. Sandwell; via telecon)
- 12:00 Hurricanes and cyclones (G. Goni)
- 12:15 Sea level change (C.K. Shum)

12:30 Lunch

Chair: N. Mognard

2:00 Coastal ocean issues (T. Strub, Y. Chao, P. DeMey)

2:45 Airborne campaign

- Review of airborne altimetry (E. Rodriguez)
- Recent Ka-band flights (E. Rodriguez)
- Expected future performance (E. Rodriguez)
- CNES airborne capabilities (R. Fjortoft)
- Science benefits and objectives (L. Smith, S. Calmant, E. Rodriguez)

4:00 Break

4:30 Airborne campaign (cont'd)

5:00 Preparation of Mission Concept Review

5:30 Adjourn