

Aquarius Science Calibration/Validation Virtual Workshop: 29-30 January 2013

Web-Meeting

Date/Time:	January 29, 2013 08:00 AM to 06:00 PM (PST8PDT)
Frequency:	Daily (every 1 day(s) ending after 3 day(s))
Join meeting:	https://mpweb7.jpl.nasa.gov/a/6f52fb46cd75b916caeb38666eb7604c
Meeting password:	Not required
Meeting ID:	3012
Phone Number	818-354-3434
Toll Free Number (USA)	1-866-328-8761

Draft Agenda – Version 4

****** USA Pacific Standard Time Zone (UTC-8) ******

Tuesday, 29 January 2013

8:00: Welcome and Opening Session (Moderator Gary Lagerloef)

8:05: Review of workshop objectives for V2.0 data release

- 1) Assess the overall accuracy of the V2.0 data
- 2) Assess radiometer calibration performance
- 3) Assess antenna pattern correction
- 4) Assess the performance of RFI mitigation algorithm
- 5) Assess the scatterometer performance
- 6) Assess the accuracy of geophysical modeling algorithms

8:15 Project and Instrument Status – Gene Feldman
(Including SHOs, Maneuvers, CSCs, data gaps table, data loss summary, ...)

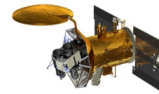
8:30 Status of ground processing system and overview of L2 Data Products - Fred Patt

9:00 Data validation and accuracy assessment overview (60 min) – Gary Lagerloef
(Moderator Simon Yueh)

10:00 Break

10:15 Radiometer Calibration Working Group Presentations (2 hours); Moderator
Simon Yueh

1. Report (initial plan, status, plan forward) – Jeff Piepmeier
2. Regional dTA analysis – Jeff Piepmeier



3. Separating instrument from model errors – Gary Lagerloef
4. Antarctica and Separating instrument from model errors – Shannon Brown
5. Cold sky cal – Emmanuel Dinnat
6. Warm end cal – Rajat Bindlish
7. Closing comments – Jeff Piepmeier

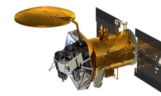
12:15 Break (1 hour)

13:15 Antenna Pattern Correction Working Group Presentations (1.5 hours); Moderator Simon Yueh

1. Working Group Report and Overview - Shannon Brown
2. APC Issues – Frank Wentz & Thomas Meissner
 - APC correction V1.3 versus V2.0: Spillover, Cross-pol, ...
 - 3rd Stokes: Calibration during pitch maneuvers and cross-pol
 - Earth sidelobe correction V1.3 versus V2.0, including land mask and correction
3. Cold sky spillover measurement – Emmanuel Dinnat
4. Other (TBD)

14:45 Wrap-up discussions; Moderator Gary Lagerloef

15:00 Adjourn for the day (or use additional time beyond 15:00 for continued discussion)



Wednesday, 30 January 2013

8:00 RFI Working Group presentations (60 min); Moderator Simon Yueh

1. Status of Radiometer RFI Detection and Mitigation - Paolo DeMatthaeis
2. Optimized Aquarius RFI algorithm parameters versus location and orbit node - David Chen and Chris Ruf

9:00 Scatterometer performance (45 min); Moderator Simon Yueh

1. Scatterometer calibration stability – Greg Neumann
2. Scatterometer radiometric and X-pol calibration - Alex Fore
3. Scatterometer wind speed assessment - Alex Fore

9:45 Break

Geophysical Modeling Assessment Session; Moderator David LeVine

10:00 Geophysical Model Overview and changes from V1.3 to V2.0 to TestBed (V3) - Frank Wentz

- Pointing and geo-location
- Roughness correction (V2.0)
- Galaxy correction
- Moon
- Forward model and TA_exp
- Ascending and descending differences; Z-angle diagrams (V2.0)

11:00 Ascending-Descending seasonality – Peter Hacker and Oleg Melnichenko

11:15 Ascending-descending bias; Correlation with galactic background – Liang Hong

11:30 Ocean wave impacts on Aquarius radar and radiometer measurements – Doug Vandemark

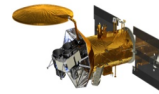
11:45 Lunch (1 hour)

12:45 Proceeding beyond V2.0 (RSS testbed, including MWR rain corrections; 30 min) - Kyle Hilburn & Joel Scott

13:15 Combined Active/Passive (CAP) ocean salinity and wind – Simon Yueh

13:30 Soil moisture – TBD (for Rajat Bindlish and Tom Jackson)

13:45 Break



14:00 General discussion and issues – Gary Lagerloef

1. Cal/Val Workshop March 19-20 at GSFC – focus on next release
2. Joint Aquarius/SMOS workshop, IFREMER, 15-17 April 2013
 - a. Key focus areas for SSS;
 - i. Surface stratification: Co-Chairs: Jacqueline Boutin (LOCEAN) and Yi Chao (RS Solutions)
 - ii. Salinity inter-calibration: Co-Chairs: Gary Lagerloef (ESR), David LeVine (NASA), Yann Kerr (CESBIO), Jordi Font (ICM/CSIC)
 - iii. **Abstract deadline delayed to 18 February 2013**
3. OSST Science Meeting in early-mid 2013
 - a. Share results and coordinate science papers for JGR Special issue
 - b. Face to face meeting, or set up web-conference(s)
 - c. When? March or May
4. Special JGR-Ocean section: Early scientific results from the salinity measuring satellites Aquarius/SAC-D and SMOS. **Submissions open July 2013 – Oct 2013**
5. Next Aquarius/SACD Science Meeting discussion – Planning 11-15 November 2013, Argentina
6. OS-2014 Special Session

15:00 Adjourn (or use additional time beyond 15:00 for continued discussion)