AGENDA

Science Results From the Aquarius and SMOS Ocean Salinity Missions I (OS11H)
3 Dec 2012 8:00 am - 10:00 am

#1 Highlights of the First 15 Months of Aquarius Salinity Measurements
Gary S E Lagerloef¹, Hsun-Ying Kao¹, Frank J. Wentz², David M Le Vine³, Simon H Yueh⁴, Gene C. Feldman³
1. Earth & Space Research, Seattle, WA, United States.
3. NASA Goddard Space Flight Center, Greenbelt, MD, United States.
4. NASA Jet Propulsion Laboratory, Pasadena, CA, United States

#2 SMOS and Aquarius brightness temperatures inter comparison
Francois Cabot¹, Yann H Kerr¹, Eric Anterrieu², Gary S E Lagerloef³
1. CESBIO, Toulouse CEDEX9, France.
2. IRAP, Toulouse, France.
3. Earth and Space Research, Seattle, WA, United States.

#3 The Aquarius Level 2 Algorithm
Thomas Meissner¹, Frank J. Wentz¹, Kyle A Hilburn¹, Gary S E Lagerloef², David M Le Vine³
2. Earth and Space Research, Seattle, WA, United States.
3. NASA’s Goddard Space Flight Center, Greenbelt, MD, United States.

#4 The Ups and Downs of Measuring Sea Surface Salinity from Space
Chris J. Banks¹, Christine P. Gommenginger¹, Meric A Srokosz¹, Helen M Snaith²
1. Marine Physics & Ocean Climate, National Oceanography Centre, Southampton, United Kingdom.
2. British Oceanographic Data Centre, National Oceanography Centre, Southampton, United Kingdom.

#5 Aquarius Wind and SSS Retrieved Using the Combined Active-Passive Algorithm under All Weather Conditions
Simon H Yueh¹, Wenqing Tang³, Alexander Fore¹, Adam P Freedman¹, Gregory Neumann³, Akiko Hayashi¹, Gary S E Lagerloef²
1. MS 300 329, JPL, Pasadena, CA, United States.
2. EARTH AND SPACE RESEARCH, SEATTLE, WA, United States.

#6 Improved Sea Surface Salinity Retrievals using Ancillary data for Aquarius Ocean Roughness Correction
Linwood Jones¹, Yazan Hejazin¹, Monica Rabolli²
1. Elec & Computer Engrng, Univ of Central FL, Orlando, FL, United States.
2. CONAE, Buenos Aires, Argentina.

#7 What is the expected impact of SMOS/Aquarius SSS in the Mercator Ocean system?
Benoit Tranchant¹, Eric Greiner¹, Olivier Legalloudec², Jean-Michel Lellouche², Nicolas Ferry², Stéphanie Guinehut¹
1. CLS, Ramonville St-Agne, France.
2. Mercator Ocean, Ramonville St-Agne, France.

#8 DERIVATION OF AN EXPERIMENTAL SATELLITE-BASED T-S DIAGRAM
Jordi Font¹, Roberto Sabia², Joaquim Ballabreria¹, Gary S E Lagerloef³, Eric J Bayler⁴, Marco Talone⁵, Yi Chao⁶, Craig James Donlon², Diego Fernandez-Prieto²
1. Institut de Ciencies del Mar, CSIC, Barcelona, Spain.
2. European Space Agency, Frascati, Italy.
3. Earth & Space Research, Seattle, WA, United States.
4. NOAA/NESDIS/STAR, Camp Springs, MD, United States.
5. SERCO SpA, Frascati, Italy.
Science Results From the Aquarius and SMOS Ocean Salinity Missions II (OS21C)
3 Dec 2012 10:20 am - 12:20 pm

#1 SMOS Salinity: A New View of the Ocean Surface (Invited)
Jacqueline Boutin¹, Nicolas Martin¹, Gilles P Reverdin¹, Xiaobin Yin¹
1. LOCEAN, CNRS, Paris, France.

#2 SPURS Overview: Salinity Processes Upper Ocean Regional Study First Results (Invited)
Raymond W Schmitt¹

#3 Near-surface Observations of Temperature and Salinity from Profiling Floats: The Diurnal Cycle, Precipitation, and Mixing
Jessica E Anderson¹, Stephen Riser¹
1. School of Oceanography, University of Washington, Seattle, WA, United States.

#4 NOAA In Situ – Satellite Blended Analysis of Surface Salinity (BASS): Prototype Algorithm and Applications
Pingping Xie¹, Tim Boyer², Eric J Bayler³, Yan Xue¹, Deirdre Ann Byrne², James R Reagan², Ricardo A Locarnini², Arun Kumar¹
1. NOAA/NCEP, Camp Springs, MD, United States.
2. NOAA/NESDIS/NODC, Silver Spring, MD, United States.
3. NOAA/NESDIS/STAR, Camp Springs, MD, United States.

#5 Tropical Cyclone interaction with the Amazon-Orinoco river Plume: new insights from SMOS and Aquarius missions
Reul Nicolas¹, Quilfen Yves¹, Tenerelli Joe², Semyon A Grodsky³, Chapron Bertrand¹
1. Laboratoire Océanographie Spatiale, ifremer centre de Toulon, La seyne sur Mer, france, France.
2. Division Radar, collect localisation satellite, plouzané, 0, France.
3. Department of Atmospheric and Oceanic Science, University of Mariland, College Park, MD 20742, MD, United States.

#6 Mixed layer impact of Hurricane Katia passing over the Amazon/Orinoco plume as viewed in remotely sensed salinity observations (Invited)
James Carton¹, Semyon A Grodsky¹, Reul Nicolas², Gary S E Lagerloef³, Gilles P Reverdin³, Bertrand Chapron², Quilfen Yves², Vladimir N. Kudryavtsev⁴, Hsun-Ying Kao⁵
1. Dept Atmos. Ocean Sci., Univ Maryland, College Park, MD, United States.
2. Institut Francais pour la Recherche et l’Exploitation de la Mer, Plouzane, France.
4. Russian State Hydrometeorological University and Nansen International Environmental & Remote Sensing Centre, St Petersburg, Russian Federation.
5. Earth and Space Research, Seattle, WA, United States.

#7 Aquarius reveals salinity structure of tropical instability waves
Tong Lee¹, Gary S E Lagerloef², Michelle Marie Gierach¹, Hsun-Ying Kao², Simon H Yueh³, Kathleen B Dohan²
1. JPL, Pasadena, CA, United States.
2. Earth and Space Research, Seattle, WA, United States.

#8 ENSO signature in the SMOS sea surface salinity maps
Joaquim Ballabraga¹, Marta Umbert², Nina Hoareau², Antonio Turiel², Jordi Font²
1. UTM, CMIMA/CSIC, Barcelona, Spain.
2. ICM, CMIMA/CSIC, Barcelona, Spain.