

# 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 Lagerloef<sup>1</sup>, Hsun-Ying Kao<sup>1</sup>, Frank J. Wentz<sup>2</sup>, David M Le Vine<sup>3</sup>, Simon H Yueh<sup>4</sup>, Gene C. Feldman<sup>3</sup>

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2. *Remote Sensing Systems, Santa Rosa, CA, 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 Cabot<sup>1</sup>, Yann H Kerr<sup>1</sup>, Eric Anterrieu<sup>2</sup>, Gary S E Lagerloef<sup>3</sup>

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 Meissner<sup>1</sup>, Frank J. Wentz<sup>1</sup>, Kyle A Hilburn<sup>1</sup>, Gary S E Lagerloef<sup>2</sup>, David M Le Vine<sup>3</sup>

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### **#4 The Ups and Downs of Measuring Sea Surface Salinity from Space**

Chris J. Banks<sup>1</sup>, Christine P. Gommenginger<sup>1</sup>, Meric A Srokosz<sup>1</sup>, Helen M Snaith<sup>2</sup>

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 Yueh<sup>1</sup>, Wenqing Tang<sup>1</sup>, Alexander Fore<sup>1</sup>, Adam P Freedman<sup>1</sup>, Gregory Neumann<sup>1</sup>, Akiko Hayashi<sup>1</sup>, Gary S E Lagerloef<sup>2</sup>

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 Jones<sup>1</sup>, Yazan Hejazin<sup>1</sup>, Monica Rabollii<sup>2</sup>

1. *Elec & Computer Engring, 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 Tranchant<sup>1</sup>, Eric Greiner<sup>1</sup>, Olivier Legalloudec<sup>2</sup>, Jean-Michel Lellouche<sup>2</sup>, Nicolas Ferry<sup>2</sup>, Stéphanie Guinehut<sup>1</sup>

1. *CLS, Ramonville St-Agne, France.*
2. *Mercator Ocean, Ramonville St-Agne, France.*

### **#8 DERIVATION OF AN EXPERIMENTAL SATELLITE-BASED T-S DIAGRAM**

Jordi Font<sup>1</sup>, Roberto Sabia<sup>2</sup>, Joaquim Ballabrera<sup>1</sup>, Gary S E Lagerloef<sup>3</sup>, Eric J Bayler<sup>4</sup>, Marco Talone<sup>5</sup>, Yi Chao<sup>6</sup>, Craig James Donlon<sup>2</sup>, Diego Fernandez-Prieto<sup>2</sup>

1. *Institut de Ciències 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.*
6. *Remote Sensing Solutions, Inc., Pasadena, CA, United States.*

## **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 Boutin<sup>1</sup>, Nicolas Martin<sup>1</sup>, Gilles P Reverdin<sup>1</sup>, Xiaobin Yin<sup>1</sup>

1. *LOCEAN, CNRS, Paris, France.*

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

Raymond W Schmitt<sup>1</sup>

1. *Physical Oceanography, Woods Hole Oceanographic Insti, Woods Hole, MA, United States.*

### **#3 Near-surface Observations of Temperature and Salinity from Profiling Floats: The Diurnal Cycle, Precipitation, and Mixing**

Jessica E Anderson<sup>1</sup>, Stephen Riser<sup>1</sup>

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 Xie<sup>1</sup>, Tim Boyer<sup>2</sup>, Eric J Bayler<sup>3</sup>, Yan Xue<sup>1</sup>, Deirdre Ann Byrne<sup>2</sup>, James R Reagan<sup>2</sup>, Ricardo A Locarnini<sup>2</sup>, Arun Kumar<sup>1</sup>

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 Nicolas<sup>1</sup>, Quilfen Yves<sup>1</sup>, Tenerelli Joe<sup>2</sup>, Semyon A Grodsky<sup>3</sup>, Chapron Bertrand<sup>1</sup>

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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 Carton<sup>1</sup>, Semyon A Grodsky<sup>1</sup>, Reul Nicolas<sup>2</sup>, Gary S E Lagerloef<sup>5</sup>, Gilles P Reverdin<sup>3</sup>, Bertrand Chapron<sup>2</sup>, Quilfen Yves<sup>2</sup>, Vladimir N. Kudryavtsev<sup>4</sup>, Hsun-Ying Kao<sup>5</sup>

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.*

3. *Laboratoire d'Océanographie et de Climatologie par Expérimentation et Analyse Numérique, Institut Pierre Simon Laplace, CNRS/UPMC/IRD/MNHN, Paris, 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 Lee<sup>1</sup>, Gary S E Lagerloef<sup>2</sup>, Michelle Marie Gierach<sup>1</sup>, Hsun-Ying Kao<sup>2</sup>, Simon H Yueh<sup>1</sup>, Kathleen B Dohan<sup>2</sup>

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 Ballabrera<sup>1</sup>, Marta Umbert<sup>2</sup>, Nina Hoareau<sup>2</sup>, Antonio Turiel<sup>2</sup>, Jordi Font<sup>2</sup>

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