

Wednesday July 5, 2006

1:00 PM Registration

**Session 1: Agency Reports**

Chair: Timothy Liu

1:20 pm JPL Welcome

1:30 pm Eric Lindstrom: NASA Oceanography Program

1:50 pm Robert Gaston: JPL Scatterometry Project

2:10 pm Stanley Wilson: NOAA overview

2:30 pm Paul Chang: NOAA operational applications

2:50 pm Eric Bettenhausen: NRL WindSAT Mission

3:10 pm Break and Poster set-up

3:30 pm Heruhisa Shimoda: JAXA Plan

3:50 pm Naoto Ebuchi: Japanese research and operational applications

4:10 pm Hans Bonekamp: Eumetsat ASCAT Commissioning

4:30 pm Marcos Portabella: OSI SAF ASCAT Level 2 Data

**Session 2: Working Group Formation**

Chair: Ernesto Rodriguez

4:50 Project Science Plan and Working Group

5:30 Adjourn

6:30 pm Group Dinner - Lion House (optional, \$30 due at registration, RSVP with David Long)

Thursday July 6, 2006

8:00 AM Continental Breakfast

**Session 3: Data Reprocessing**

Chair: Ernesto Rodriguez

8:30 am Scott Dunbar: Science data product improvements

8:45 am Bryan Stiles: Rain flagging

9:00 am Ernesto Rodriguez: Data product evaluation team report

9:30 am Scott Dunbar: Data reprocessing plan and schedule

9:40 am Discussion on QuikSCAT science data products

10:00 am Break and Poster Viewing

**Session 4: Oceanography**

Chair: Kathie Kelly

- 10:20 am Weiqing Han: Impact of atmospheric synoptic-to-intraseasonal oscillations on Indian Ocean multi-scale SST variability
- 10:40 am Tong Lee: Mechanism of interannual variability of cross-equatorial heat transport of the Indian Ocean
- 11:00 am Claire Perigaud: Use of QuikSCAT data to find out the role of the Indian Ocean in the tropical Atmosphere
- 11:20 am James Carton: Intramonthly winds: tropical oceanic impacts and importance for coupled air-sea interaction
- 11:40 am Mark Bourassa: Atmospheric and oceanic variability
- 12:00 am Discussion
- 12:30 pm Catered Lunch and Poster Viewing

### **Session 5: Wind Retrieval**

Chair: Mike Freilich

- 1:30 pm Simon Yueh: Combined active and passive remote sensing of hurricane ocean winds
- 1:50 pm Linwood Jones: Improved ocean vector wind retrievals in extreme wind events
- 2:10 pm Frank Wentz: Improved wind retrievals with rain detection and error bars and the assessment of new operational satellite wind retrievals
- 2:30 pm David Long: Application and validation of ultra high resolution wind, backscatter, and brightness temperature
- 2:50 pm Break and Poster viewing
- 3:30 pm David Weissman: Corrections to scatterometer wind vectors: removing and calibrating rain induced errors using high resolution NEXRAD radar measurements
- 3:50 pm Stephen Frasier (presented by Robert Contreras): Airborne study of high winds and rain effects on sea surface NRCS using the Imaging Wind and Rain Airborne Profiler
- 4:10 pm Mike Caruso: Validation of satellite-derived surface wind fields
- 4:30 pm Discussion
- 5:00 pm Adjourn

On your own for dinner

- 7:30 PM Optional activity: Mormon Tabernacle Choir practice at LDS conference center

### Friday July 7, 2006

- 7:30 AM Continental Breakfast

## **Session 6: Ocean-atmosphere Interaction**

Chair: James Carton

- 8:00 am Fabrice Bonjean: The Ocean Surface Wind-driven Currents
- 8:20 am Kathie Kelly: The Impact of Ocean Current Systems on the Atmosphere: A Study Using Vector Winds and Atmosphere-Ocean Modeling
- 8:40 am Shang-Ping Xie: Orographically induced ocean-atmosphere interaction: Satellite observations and numerical modeling (to be presented by Richard Small)
- 9:00 am Mike Freilich: Coastal and Orographic Wind Analyses from High Resolution QuikSCAT and SeaWinds
- 9:20 am Lisan Yu: A Study of Long-Term Trend and Variability in Global Ocean Surface Wind by Synthesizing Scatterometers with SSM/I and COADS Observations
- 9:40 am Break and Poster Viewing
- 10:20 am Rong Fu: Water Cycle between Ocean and Land and its Influence on Climate Variability over the South American-Atlantic Regions as Determined by QuikSCAT/SeaWinds Observations
- 10:40 am Dudley Chelton: Midlatitude Ocean-Atmosphere Interaction
- 11:00 am Ralph Foster: Boundary Layer Studies Connecting Satellite Surface Winds and Pressure Fields to Storms, Weather, and Climate
- 11:20 am Shuyi Chen: High-Resolution Data Assimilation of Ocean Vector Winds for Tropical Cyclone Prediction Using a Coupled Atmosphere-Ocean Model
- 11:40 am Robert Atlas: Application of Satellite Surface Wind Data to Ocean Surface Analysis and Numerical weather Prediction
- 12:00 am Lunch (catered)
- 12:40 am Ralph Milliff: Novel Applications of Satellite Surface Vector Winds in Models and Syntheses of Tropical and Sub-Tropical Atmosphere-Ocean Interactions
- 1:00 am Timothy Liu: Oceanic Feedback and Acceleration of Climate Variability
- 1:20 am Discussion

## **Session 7: Working Group Discussion**

Chair: Rodriguez

1:50

3:00 Adjourn

### **Poster Presentations:**

1. Seubson Soisuvam: Active/Passive Wind vector retrievals from SeaWinds/AMSR on ADEOS-II.

2. Zhaoxia Pu: The impact of QuikSCAT surface wind data on the forecast of tropical cyclone genesis and intensification.
3. Jin Yi Yu: Central America gap winds and eastern Pacific warm pool
4. Wenqing Tang: Polar cyclogenesis
5. Xiaosu Xie: Water Balance in tropical and subtropical ocean
6. Deborah Smith: RSS correction algorithm for SeaWinds
7. Qingtao Song, Peter Cornillon, and Tetsu Hara: What causes the observed persistent small scale features in ocean winds over the Gulf Stream, SST gradient or surface current?
8. S. Hristova-Veleva et al.: Revealing the SeaWinds ocean vector winds under the rain using AMSR. Part I: The physical approach
9. B. W. Stiles et al.: Revealing the SeaWinds ocean vector winds under the rain using AMSR. Part II: The empirical approach
10. J. T. Dawe, L. Thompson: Effect of ocean surface currents on wind stress, heat flux, and wind power input to the ocean
11. Zorana Jelenak: NOAA/NESDIS operational ocean EDR's retrievals from WindSat polarimetric measurements
12. Ming-Xia He: Satellite oceanography studies in China
13. Richard Chen: PODAAC demonstration
14. Kristina Katsaros: PORSEC 2006
15. R.J. Small and S.-P. Xie: Surface currents in Tropical Instability Waves revealed by QuikSCAT and a coupled model
16. Zorana Jelenak: Operational validation of new NRT QuikSCAT processing