Monday May 9th: Morning

7:45 Breakfast

8:00 Poster boards ready for setup

Introductory Session — Chair: Paul Chang

8:30 Introduction from the organizing committee
Mark Bourassa (FSU)

8:40 NASA Programmatic Perspectives: Present Status and the Way Forward
Dr. Peter Hacker (NASA HQ) and Dr. Eric Lindstrom

8:55 NOAA Programmatic Perspectives
Dr. Stan Wilson (NOAA Satellite Service)

9:05 The CEOS OVW Constellation: Objectives, Opportunities and Challenges
Dr. Stan Wilson (NOAA Satellite Service), Hans Bonekamp and B.S. Gohil

9:15 Earth Science Division Status and Plans
Prof. Mike H. Freilich (NASA)

9:35 JAXA Update
Prof. H. Shimoda (JAXA)

9:50 ASCAT: Metop-A developments, Metop-B preparations
Dr. Craig Anderson (EUMETSAT) and Hans Bonekamp

10:05 Discussion

10:10 Break & Poster Viewing

Review of the Basics — Chair: Mark Bourassa

10:40 Review of Equivalent Neutral Winds and Stress
Professor Mark Bourassa (COAPS&EOAS/FSU)

10:55 High Resolution Wind Field Retrieval Using Synthetic Aperture Radar
Dr. Jochen Horstmann (NATO Undersea Research Center), F. Monaldo, A. Mouche, D. Thompson, and C. Wackerman

11:10 Updating Advice on Selecting Level-2 and Level-3 Surface Vector Wind Datasets from Scatterometers: The Applications Perspective (Invited)
Dr. Ralph Milliff (CoRA), M. A. Bourassa, E. Rodriguez, and Dudley Chelton

11:25 Scatterometer GMF and Climate Records (Invited)
Dr. Ad Stoffelen

11:40 Discussion

11:55 Lunch (85 minutes)

The Impact of the Loss of QuikSCAT on Climate and Operations

Chair: Joe Sienkiewicz

13:20 Including ASCAT in OAFlux global vector wind analysis: long-term change and variability of ocean surface winds from 1987 onward
Dr. Lisan Yu (Woods Hole Oceanographic Institution)

13:40 Impact of QuikSCAT Loss on JMA Data Assimilation System
Mr. Masaya Takahashi (Japan Meteorological Agency)

14:00 Impact of the loss of QuikSCAT on National Hurricane Center operations: Current mitigation efforts and future plans
Richard Danielson (NOAA/NWS/NCEP National Hurricane Center) and Micheal J. Brennon

New Products

Co-Chairs: Ernesto Rodriguez and Julia Figa

14:20 The New Geophysical Model Function for QuikSCAT: Implementation and Validation
Dr. Lucrezia Ricciardulli (Remote Sensing Systems), and Frank Wentz

14:40 Spatio-Temporal Surface Vector Wind Retrieval Error Models |
Dr. Ralph Milliff (NWRA/CoRA), Lucrezia Ricciardulli, Deborah Smith, Frank Wentz, Jeremiah Brown, and Christopher Wikle

15:00 Point-wise Wind Retrieval and Ambiguity Removal Improvements for the QuikSCAT Climatological Data Set
Dr. Alexander Fore (Jet Propulsion Laboratory), Bryan Stiles, R. Scott Dunbar, Brent Williams, Alexandra Chau, Lucrezia Ricciardulli, Frank Wentz, Thomas Meissner and Ernesto Rodridguez

15:20 A New Satellite Wind Climatology from QuikSCAT, WindSat, AMSR-E and SSM/I
Mr. Frank J. Wentz (Remote Sensing Systems), Lucrezia Ricciardulli, Thomas Meissner, and Deborah Smith

15:40 Break and poster viewing

16:10 High-Resolution ASCAT Winds Near The Coast
Dr. Ad Stoffelen (KNMI), Anton Verhoef, Jeroen Verspeek, and Jur Vogelzang

16:30 Status Update on PO.DAAC's OVW Products and Services
Mr. David Moroni (Jet Propulsion Laboratory)

16:50 Multiple Scatterometer Hurricane Winds
Dr. Bryan Stiles (Jet Propulsion Laboratory), Svetla Hristova-Veleva and Michael Brennan

17:10 Application of High Resolution SAR-Measured Winds to Wind Power Plant Siting
Mr. Francis Monaldo (Johns Hopkins University Applied Physics Laboratory), Donald Thompson and Nathaniel Winstead

17:30 Application of remotely sensed ocean surface vector winds to determine wave generation areas
Mr. Joe Sienkiewicz (NOAA Ocean Prediction Center), and Gregory McFadden

17:50 Discussion

18:10 Close for the day

Tuesday May 10th: Morning

7:45 Breakfast

Oceanography

Co-Chairs: Kathleen Dohan and Michelle Gierach

8:30 Atmospheric Wind Relaxations and the Oceanic Response in the California Current Large Marine Ecosystem
Dr. Melanie Fewings (University of California, Santa Barbara), Clive E. Dorman, Libe Washburn, and W. Timothy Liu

8:50 Mesoscale Eddy Influence on Upper-Ocean Chlorophyll Variability in the South Indian Ocean
Professor Dudley Chelton (Oregon State University), and Peter Gaube

9:10 Impacts of surface currents on derived scatterometer wind at Ku and C band
Ms. Amanda Plagge (University of New Hampshire), D. Vandemark, B. Chapron, and D. Long

9:30 Lagrangian Paths in OSCAR Surface Currents
Dr. Kathleen Dohan (Earth and Space Research)

9:50 An extreme oceanic and atmospheric event in the South Pacific and western Antarctica associated with the 2009-10 El Nino
Dr. Tong Lee (Jet Propulsion Laboratory)

10:10 Break and poster viewing

10:40 High-resolution satellite-derived ocean surface winds in the North Atlantic
Dr. Dmitry Dukhovskoy (COAPS FSU), Mark Bourassa and Paul Hughes

11:00 Constraining a global, eddying, ocean and sea ice model with level-2 QuikSCAT wind stress data: First results
Dr. Dimitris Menemenlis (Jet Propulsion Laboratory, California Institute of Technology), Hong Zhang, Holger Brix, and David Moroni

11:20 Wind-driven cross-shelf transport on a shelf with curvature described from scatterometry and in situ observations
Dr. Steven Morey (Florida State University)

11:40 Diurnal variability in the curl/divergence coupling with SST gradients as depicted by SeaWinds, QuikSCAT and ASCAT tandem missions
Dr. Svetla Hristova-Veleva (Jet Propulsion Laboratory), Ernesto Rodriguez and Joseph Turk

12:00 Discussion

12:15 Lunch (75 minutes)

Tuesday May 10th: Afternoon

Future Missions — Chair: David Long

13:30 Feasibility Assessment Of Simultaneous Ocean Wind And Current Measurements
Dr. Ad Stoffelen (KNMI), Jos de Kloe (KNMI); Johnny Johannessen (NERSC); Alexis Mouche, Fabrice Collard (CLS); France Bertrand Chapron (IFREMER); Vivien Enjolras, TAS-F; Andrea Recchia, Davide D'Aria, Aresys; Franco Fois, and Chung-Chi Lin (ESTEC)

First Results from the OceanSat-2 Scatterometer — Co-chairs: Ad Stoffelen and David Long

13:50 OCEANSAT-2 Scatterometer Winds And Sea Ice
Dr. Ad Stoffelen (KNMI), Anton Verhoef, Jeroen Verspeek, Jur Vogelzang, Maria Belmonte, and Marcos Portabella

14:10 Sub-daily Variation of Ocean Surface Wind and Stress
Dr. W. Timothy Liu (Jet Propulsion Lab.), and Wenqing Tang

14:30 Initial Results on the Cross-Calibration of QuikSCAT and Oceansat-2 Scatterometer
Professor David Long (Brigham Young University)

14:50 NOAA Assessment of the Oceansat-2 Scatterometer
Dr. Seubson Soisuvarn (NOAA/NESDIS - UCAR), Khalil Ahmad, Zorana Jelenak, Joseph Sienkiewicz, and Paul S. Chang

15:10 Discussion

15:30 Break and poster viewing

Calibration/Validation and Definitions (Part 1) — Chair: Abderrahim Bentamy

16:00 Noise in ASCAT ocean backscatter
Dr. Craig Anderson (EUMETSAT), H Bonekamp, J Figa, C Duff, and JJW Wilson

16:20 Evaluation of ASCAT Winds by Assessing Self-consistency
Professor Naoto Ebuchi (Hokkaido University),

16:40 The Effect Of Rain On ASCAT Observations Of The Sea Surface Using Simultaneous 3-D NEXRAD Rain Measurements
Dr. David Weissman (Hofstra University) and Dr. Mark A. Bourassa

17:00 Discussion

17:20 Close for the day

Wednesday May 11th: Morning

7:45 Breakfast

Calibration/Validation and Definitions (Part 2) — Chair: Naoto Ebuchi

8:30 ASCAT backscattering processing status
Ms. Julia Figa Saldana (EUMETSAT), Craig Anderson, Julian J. Wilson, Hans Bonekamp and Colin Duff

8:50 QuikSCAT Calibration and Assessment of Impacts of Spatial and Temporal Variability in Surface Winds
Ms. Jackie May (NRL Stennis) and Mark Bourasssa

9:10 Calibration and Validation of Multi-Satellite scatterometer winds
Dr. Abderrahim Bentamy (IFREMER) and S. A. Grodsky

9:30 Update and Refinement of the IWRAP High-Wind GMF
Professor Stephen Frasier (U. Massachusetts), J. Sapp, J. Dvorsky, P. Chang, Z. Jelanak and T. Hartley

9:50 Discussion

10:10 Break and Poster Viewing

Meteorology — Co-Chairs: Ralph Foster and Svetla Hristova-Veleva

10:40 Comparison of buoy and satellite derived coupling between surface wind and sea-surface temperature frontal zones
Dr. Larry O'Neill (Naval Research Laboratory)

11:00 Observations and Modeling of Sea-Surface Temperature Influence on Tropospheric Winds in the Western North Atlantic
Professor Dudley Chelton (Oregon State University), Roger M. Samelson, Eric D. Skyllingstad, John F. Dostalek and Mark DeMaria

11:20 Baroclinicity in the marine boundary layer
Dr. Jerome Patoux (University of Washington) and Ralph C. Foster

11:40 Decadal Trends in Hurricane-Force Extratropical Cyclones From Satellite Scatterometery
Dr. Zorana Jelenak (NOAA/NESDIS & UCAR), Khalil Ahmad, Seubson Soisuvarn, Joseph Sienkiewicz and Paul S. Chang

12:00 Lunch (90 minutes)

Wednesday May 11th: Afternoon

13:30 Interannual variability of high-wind occurrence over the North Atlantic
Professor Shang-Ping Xie (University of Hawaii), Cheng, X., H. Tokinaga and Y. Du

13:50 A Novel Hurricane OVW Retrieval Technique for QuikSCAT
Professor Linwood Jones (Central Florida Remote Sensing Lab), Peth Laupattarakasem, Suleiman Alsweiss, Christopher C. Hennon and Svetla Hristova-Veleva

14:10 SAR remote sensing of open mesoscale cellular convection
Dr. Todd Sikora (Millersville University), G.S. Young, C.M. Fisher and M.D Stepp

14:30 Synthetic Aperture Radar Surface Pressure Retrievals and Consequent Improved Surface Wind Fields in Tropical Storms
Ralph Foster (APL/UW) and Jerome Patoux

14:50 Synthetic Aperture Radar Wind Field Retrieval With Respect to Cyclones
Jochen Horstmann (NATO Undersea Research Center), Silvia Falchetti and Salvatore Maresca

15:10 Break and Poster Viewing

15:40 An Investigation of Atmospheric Stability and Its Impact on Scatterometer Winds Across the Gulf Stream
Professor James Edson (University of Connecticut), Doug Vandemark and Amanda Plagge

16:00 The Global and Seasonal Variability of Diurnal Variability of Ocean Winds, Stress and Derivatives from Multiple Scatterometers
Dr. Ernesto Rodriguez (JPL/Cal Tech), Svetla Hristova-Veleva and Joe Turk

16:20 Discussion

Closing Session

16:30 Closing Discussions

17:00 Close of Meeting

Posters

Cal/Val and Definitions

Overview of ASCAT services
Ms. Julia Figa Saldana (EUMETSAT), Christelle Ponsard, Anton Verhoef, Stefan Hassenauer and Steinar Eastwood

Validation and long term monitoring of ASCAT instrument and Level 1 products
Ms. Julia Figa Saldana (EUMETSAT), Helmut Bauch, Craig Anderson and Jens Lerch

Comparison of Buoy Measurements and Satellite Observations during SoGasex
Dr. Michelle Gierach (JPL), William M. Drennan, Erik Sahlée and Abderrahim Bentamy

Altimeter Wind Speed Model Function From TOPEX And QuikSCAT Data Near Tropical Storms
Dr. Philip S. Callahan (JPL, CalTech), Kenneth O. Oslund W. Lee Poulsen

Meteorology

Ultra High Resolution Wind and Rain from Scatterometer Measurement
Professor David Long (Brigham Young University)

Comparison of Scatterometer Derived Vorticity
Ms. Heather Holbach (FSU COAPS) and Dr. Mark Bourassa

Weakening of the equatorial Atlantic cold tongue over the past six decades
Dr. Hiroki Tokinaga (IPRC/Univ. of Hawaii) and Shang-Ping Xie

New Products

The Land/Ice Scatterometer Climate Record
Professor David Long (Brigham Young University)

Wind Measurements in Storm Conditions: Active Versus Passive.
Dr. Thomas Meissner (Remote Sensing Systems), Lucrezia Ricciardulli and Frank Wentz

Near-Real-Time WindSat Ocean Vector Wind Products: Status and Future Plans
Michael Bettenhausen (Naval Research Laboratory) and Peter W. Gaiser

Influence of Sea Level Pressure and SST Data on Objectively Derived Surface Vector Wind Fields
Mr. Paul Hughes (Florida State University) and Mark A. Bourassa

Recent Progress on Coastal Wind Retrievals
Professor Ted Strub (COAS - Oregon State University) and Dr. Barry Vanhoff

Oceanography

High-frequency equatorial waves in the Pacific Ocean and their relationship to the wind field
Dr. Theodore Durland (COAS, Oregon State University) and Dr. J. Thomas Farrar