



International Ocean Vector Wind
Science Team Meeting
May 2-4, 2017



TUESDAY MORNING

8:00 Registration and poster set up

Programmatic Talks

Chair: Mark Bourassa

- 8:30 Welcome to Scripps
5 m Sarah Gille (Scripps Institution of Oceanography)
- 8:35 Meeting Introduction
5 m Mark Bourassa (Florida State University)
- 8:40 Update on NASA and Global Ocean Observing System (GOOS) Programs
20 m Eric Lindstrom (NASA HQ) (Invited talk)

Current and Future Ocean Vector Wind Mission Updates

Co-Chairs: Bryan Stiles and Xiaolong Dong

- 9:05 The Ocean Surface Vector Wind Constellation: Status, Health and Future?
7 m Paul Chang (NOAA/NESDIS/Center for Satellite Applications and Research), and Rashmi Sharma
- 9:13 CYGNSS Mission Update
7 m Christopher Ruf (University of Michigan), Scott Gleason, Faozi Said, Golf Soisuvann, Zorana Jelenak, Paul Chang, Darren McKague and Rajeswari Balasubramaniam
- 9:20 Evaluation of the CYGNSS GNSS-R signal sensitivity to ocean parameters and wind retrieval performance
15 m Faozi Said (NOAA/NESDIS/Center for Satellite Applications & Research), Seubson Soisuvann, Zorana Jelenak and Paul S. Chang
- 9:35 SCATSAT Data Quality and Initial Results
15 m Alexander Fore (JPL), Bryan Stiles, and Ernesto Rodriguez

Pre-break Poster Highlights (one minute and one slide summaries)

- 9:54 Further Examination of Diurnal and Sub-Diurnal Wind Vector Variability using the Constellation of Scatterometers and Radiometers
1 m Joe Turk (Jet Propulsion Laboratory, California Institute of Technology) and Svetla Hristova-Velleva
- 9:55 Oceanic convective systems: ASCAT and NEXRAD retrieval analysis
1 m Timothy Lang (NASA MSFC), Georgios Priftis, Themis Chronis and Steve Nesbitt
- 9:56 The impact of RapidScat ocean vector winds assimilation in JMA's global NWP system
1 m Masami Moriya (Japan Meteorological Agency)
- 9:57 Turbulent kinetic energy of the ocean winds over the Kuroshio Extension from QuikSCAT winds (1999-2009) (New Talk)
1 m Gregory King (Institute of Marine Sciences (ICM-CSIC)), Kai Yu and Changming Dong
- 9:58 Distinctive features of ocean surface winds over Indian Ocean between strong and weak Indian summer monsoons
1 m Yangxing Zheng (Florida State University), Mark A. Bourassa and M. M. Ali
- 9:59 Preliminary evaluation of ScatSat winds
1 m Lucrezia Ricciardulli (Remote Sensing Systems), Richard Lindsley and Frank Wentz

10:00 Break and poster viewing

45 m

Current and Future Ocean Vector Wind Mission Updates (Continued)

Co-Chairs: Paul Chang and Stefanie Linow

- 10:45 Evaluation of Marine Surface Vectors observed by SCATSAT-1 Scatterometer
7 m Naoto Ebuchi (Hokkaido University)
- 10:53 Wind Retrieval for the DopplerScatt Airborne Mission
15 m Alex Wineteer (Jet Propulsion Laboratory), Bryan Stiles and Ernesto Rodriguez
- 11:08 Water Cycle Observation Mission (WCOM) and its Potentials for Ocean Surface Wind Vector Measurement
15 m Xiaolong Dong (National Space Science Center, Chinese Academy of Sciences) and Jiancheng Shi
- 11:23 Compact Ocean Wind Vector Radiometer/ORS-6 Mission: A New Small Satellite Mission for Ocean Winds
15 m Shannon Brown (Jet Propulsion Laboratory), Paolo Focardi, Amarit Kitiyakara, Frank Maiwald, Oliver Montes, Sharmila Padmanabhan, Richard Redick, Damon Russell, and James Wincentsen
- 11:38 CFOSAT Rotating Fan-beam Scatterometer Simulation Performance Evaluation and WindRad simulation comparison
15 m Zhen Li (KNMI), Ad Stoffelen and Jos de Kloe
- 11:53 Future Prospects for Estimation of Surface Ocean Velocity and Vorticity from a Winds and Currents Mission
7 m Dudley Chelton (OSU), Roger Samelson, Tom Farrar, Jeroen Molemaker and Jim McWilliams
- 12:00 Discussion on Current and Future Ocean Vector Wind Missions
(15 m)
- 12:15 Lunch Break (working lunch on site, 60 m)

TUESDAY AFTERNOON

Gridded Products

Co-Chairs: Maria Belmonte and Ralph Foster

- 1:15 Level 3 (gridded) scatterometer products: making the case for and designing them
15 m Svetla Hristova-Veleva (Jet Propulsion Laboratory; UCAL/JIFRESSE), Ernesto Rodriguez, Bryan Stiles, F. Joseph Turk, and Ziad Haddad
- 1:30 The Cross-Calibrated Multi-Platform (CCMP) Ocean Vector Wind Analysis (V2.0)
15 m Carl Mears (Remote Sensing Systems), Lucrezia Ricciardulli, Joel Scott, Ross Hoffman, S. Mark Leidner, Bob Atlas and Frank Wentz
- 1:45 Factors influencing the skill of synthesized satellite wind products in the tropical Pacific
15 m Tong Lee (JPL), Shayne McGregor, Alex Sen Gupta, Dietmar Dommenges, Mike McPhaden, and Billy Kessler
- 2:00 A Gridded Product That Uses Dynamical and Thermodynamical Constraints
7 m Mark Bourassa (COAPS & EOAS, Florida State University), and Stephen VanGorder
- 2:08 Validation and intercomparison for high resolution gridded product of surface wind vectors over the global ocean
7 m Kunio Kutsuwada (Tokai University), Hiroyuki TOMITA, Shin'ichirou KAKO, Tsutomu HIHARA, Masahisa KUBOTA and Yu TAKAHASHI

Pre-break Poster Highlights (one minute and one slide summaries)

- 2:15 Temporal scales characterization of Southern Ocean's CCMP vector winds
1 m Magdalena Carranza (Scripps Institution of Oceanography) and Sarah T. Gille
- 2:16 Scatterometer Observations of the Northern Red Sea Mountain-gap Wind Jets
1 m Viviane Menezes (WHOI), Tom Farrar and Amy Bower
- 2:17 Use of active and passive microwave ocean datasets to infer air-sea interfacial processes using new Southern Ocean buoy data
1 m Doug Vandemark (University of New Hampshire), Marc Emond and Bertrand Chapron
- 2:18 Towards improved estimates of upper ocean energetics: Science motivation for the simultaneous measurement of ocean surface vector winds and currents
1 m Hector Torres (JPL/California institute of Technology), M. M. Flexas, P. Klein, D. Menemenlis, A. F. Thompson, and J. Wang
- 2:19 Coupling ocean currents and wind stress in a two-way fashion
1 m Qi Shi (Florida State University) and Mark Bourassa
- 2:20 The Calibrated Enhanced-Resolution Passive Microwave Brightness Temperature Earth System Data Record
1 m David Long (Brigham Young University) and Mary Jo Brodzik
- 2:21 A Consolidated Database of Antarctic Iceberg Positions, Sizes, and Rotation Angles
1 m David Long (Brigham Young University) and Jeff Budge
- 2:22 Determining the decadal trend patterns in ocean-surface winds (1987-2016)
1 m Lisan Yu (Woods Hole Oceanographic Institution)
- 2:23 Analysis of RapidScat Mid-Swath Directional Discontinuity
1 m Bryan Stiles (Jet Propulsion Laboratory), Alex G. Fore, Alex Wineteer, Lucrezia Ricciardulli, Frank Wentz, and Ernesto Rodriguez
- 2:24 RapidScat Recalibration and Reprocessing Status
1 m Alexander Fore (JPL), Bryan Stiles, Alexander Wineteer, and Ernesto Rodriguez
- 2:25 Ocean state diagnostics from scatterometers
1 m Ad Stoffelen (KNMI), Ana Trindade, Jos de Kloe and Marcos Portabella
- 2:26 QuikSCAT decadal climatology in the context of multi-decadal variability and change
1 m Shang-Ping Xie (Scripps Institution of Oceanography)
- 2:27 Studies of the Effects of Rain on the Performance of the SMAP Radiometer Surface Salinity Estimates and Applications to Remote Sensing of River Plumes
1 m David E. Weissman (Hofstra University) and Steven L. Morey (COAPS/FSU)
- 2:27 Discussion on Gridded Products (15 m)
- 2:45 *Break and Poster Viewing (45 m)*

Climate Data Record Development and Analysis

Co-chairs: Frank Wentz and Ad Stoffelen

- 3:30 Intercalibration of the C-band scatterometer record using cone metrics
15 m Maria Belmonte Rivas (KNMI), A. Stoffelen, A. Verhoef, J. Verspeek and J. Vogelzang
- 3:45 Ku Band geophysical model functions and SST
15 m Ad Stoffelen (KNMI), Zhixiong Wang and Jur Vogelzang
- 4:00 SST impact on RapidScat and QuikSCAT measurements
15 m Lucrezia Ricciardulli (Remote Sensing Systems) and Frank Wentz
- 4:15 Discussion on Climate Data Record Development and Analysis
30 m
- 4:45 End of day wrap-up (30 m)
- 5:15 End of Tuesday sessions

WEDNESDAY MORNING

8:00 Registration and poster set up

New Products and Applications (part 1)

Co-Chairs: Lucrezia Ricciardulli and Shuyi Chen

8:30 Latest Datasets and Services at the PO.DAAC

7 m David Moroni (Jet Propulsion Laboratory)

8:38 Summary of the High Winds SMOSSSTORMS (Extreme Winds) Workshop

15 m Mark Bourassa (COAPS & EOAS, Florida State University), James Cotton, Nicholas Reul, Fabrice Collard and Craig Donlan

8:53 High Wind Observations within Extratropical Cyclones as Observed by Different Spaceborne Radiometers and Scatterometers

15 m Zorana Jelenak, (NOAA/NESDIS/Center for Satellite Applications and Research), Paul S. Chang, Faozi Said and Joseph Sienkiewicz

9:08 Reprocessing the Tropical Cyclone SFMR database: Procedures and Evaluation (*Invited New Talk*)

15 m Bradley Klotz, (UM/CIMAS and NOAA/HRD), Heather Holbach (FSU COAPS, NGI, NOAA/AOML/HRD) and Allen Garcia (FIU)

9:23 Validation of SMAP radiometer extreme wind speed data product with rapid scatterometer and stepped frequency microwave radiometer

15 m Alexander Fore (JPL), Simon Yueh, Wenqing Tang, Bryan Stiles, and Akiko Hayashi

9:38 Bringing Consistency into High Wind Measurements with Spaceborne Microwave Radiometers and Scatterometers

15 m Thomas Meissner (Remote Sensing Systems), Lucrezia Ricciardulli, and Frank Wentz

Pre-break Poster Highlights (one minute and one slide summaries)

9:55 RapidScat Radiometer Collocations – A New RapidScat Dataset

1 m Alex Wineteer (JPL), Lucrezia Ricciardulli, Bryan Stiles and Alex Fore

9:56 Update to “Diurnal variations of σ_0 over land from RapidScat Observations”: Monitoring vegetation dynamics in the Amazon

1 m Aaron Paget (University of Connecticut), Tim van Emmerik, Susan Steele-Dunne and Nick van de Giesen

9:57 Daily Scatterometer datasets in a Near Uniform Format

1 m Mark Bourassa (COAPS & EOAS, Florida State University), Jocelyn Elya, Aaron Kemmer, Shawn R. Smith and Arturo Valery Uzcategui

9:58 Estimating the Pointing Precision, Antenna Pattern, and Spatial Response Function of RapidScat Using Island Targets

1 m David Long (Brigham Young University) and Sam Bury

9:59 Comparisons of wind speed retrievals from an airborne microwave radiometer (AMPR) with satellite-based observations during the OLYMPEX/RADEX field campaign

1 m Timothy Lang (NASA MSFC) and Sayak Biswas

10:00 Preliminary Scatterometer Wind Retrievals From the SCATSAT-1 Mission

1 m Seubson Soisuvarn (NOAA/NESDIS/Center for Satellite Applications and Research), Seubson Soisuvarn, Faozi Said, Zorana Jelenak, Qi Zhu and Paul S. Chang

10:01 Stepped frequency microwave radiometer retrieval error characterization

1 m Joseph Sapp (NOAA/NESDIS/Center for Satellite Applications and Research), Suleiman Alsheikh, Zorana Jelenak, and Paul S. Chang

10:02 A Platform to Provide International and Inter-Agency Support for Data and Information Quality Solutions and Best Practices

1 m David Moroni (Jet Propulsion Laboratory), Hampapuram Ramapriyan and Ge Peng

10:05 Break and poster viewing - 40 m

New Products and Applications (part 2)

Co-Chairs: Thomas Meissner and Svetla Histrova-Veleva

10:45 Hurricane observations by C-Band SAR and L-Band Radiometer

15 m Alexis Mouche (Ifremer), Biao Zhang, Bertrand Chapron and Romain Husson

11:00 A wind geophysical model function for the TDS-1 GNSS-Reflectometry observations

15 m Wenming Lin (Institute of Marine Sciences (ICM-CSIC)) and Marcos Portabella

11:15 Platform measurements of Ka-band sea surface radar Doppler characteristics

15 m Semyon Grodsky (UMD), Yu. Yu. Yurovsky, V. N. Kudryavtsev, S. A. Grodsky, and B. Chapron

11:30 Measuring Winds and Currents with DopplerScatt

15 m Ernesto Rodriguez (Jet Propulsion Laboratory/CalTech), Dragana Perkovic, Bryan Stiles, Tamas Gal, Noppasin Niamsuwan, and Alexander Wineteer

11:45 Improvements in Ku-band scatterometer wind ambiguity removal using ASCAT-based empirical background error correlations

15 m Ad Stoffelen (KNMI) and Jur Vogelzang

12:15 Lunch (*working Lunch on site*) 60 m

WEDNESDAY AFTERNOON

New Products and Applications (part 3)

Co-Chairs: Thomas Meissner and Svetla Histrova-Veleva

- 1:15 QuikSCAT High Precision Wind Speed Cross Sections 2010-2017
15 m Bryan Stiles (Jet Propulsion Laboratory), Alex G. Fore, Alex Wineteer, and R. Scott Dunbar
1:30 Evaluating and Comparing SeaWinds Backscatter Image Formation Algorithms
15 m David Long (Brigham Young University)
1:45 Discussion on New Products and Applications
20 m

Report from the Coastal Working Group and Discussion

Co-Chair: Steve Morey

- 2:10 Summary of progress and issues (invited talk)
7 m Melanie Fewings
2:17 Discussion on Coastal Issues and Ways Forward
20 m

Pre-break Poster Highlights (one minute and one slide summaries)

- 2:38 QuikSCAT Coastal Wind Products
1 m Bryan Stiles (Jet Propulsion Laboratory), Alex G. Fore, P. Ted Strub, and Corinne James
2:39 Coastal QuikSCAT Winds over Eastern Boundary Currents
1 m Ted Strub (Oregon State University), Corinne James (CEOAS), Bryan Stiles (JPL) and Alexander Fore (JPL)
2:40 Drivers of SST frontal variability in the California Current System
1 m Renato Castelao (University of Georgia) and Hao Luo
2:41 Surface Wind Stress and Wave Sensitivity to Sea Spray in Tropical Cyclones
1 m Renee Richardson (FSU/COAPS), Mark A. Bourassa, and Steven L. Morey
2:42 Small-Scale and Inertial Wave OSCAR Currents
1 m Kathleen Dohan (Earth and Space Research)
2:43 Intermittent Wind Forcing of the North Pacific Subpolar Gyre Circulation
1 m Larry O'Neill (Oregon State University)
2:44 NOAA Ocean Winds Science Team NRT Satellite Ocean Winds Processing System Overview
1 m Qi Zhu (NOAA/NESDIS/Center for Satellite Applications and Research), Mark Romer, Seubson Soisuvann, Faozi Said, Joe Sapp, Zorana Jelenak and Paul S. Chang
2:45 *Break and poster viewing (45 m)*

Oceanographic Applications

Co-Chairs: Kathleen Dohan and Melanie Fewings

- 3:30 Atmospheric Intraseasonal Oscillation (ISO) during Indian Summer Monsoon: Effect of barrier layer on SST and convection
15 m Weiqing Han (The University of Colorado), Yuanlong Li, W. Wang, M. Ravichandran, T. Lee and T. Shinoda
3:45 The contribution of wind stress curl weakening to recent marine heat waves along North American coastlines
7 m Melanie Fewings (University of Connecticut), Christopher Gotschalk, University of California, Santa Barbara and Kevin S. Brown
3:53 Towards improved estimates of upper ocean energetics: Science motivation for the simultaneous measurement of ocean surface vector winds and currents
15 m Dimitris Menemenlis (California Institute of Technology, Jet Propulsion Laboratory), M. M. Flexas, P. Klein, A. F. Thompson, H. S. Torres and J. Wang
4:08 GMF development for C-band scatterometers
15 m Jeroen Verspeek (KNMI), Ad Stoffelen, Jur Vogelzang and Lucrezia Ricciardulli
4:23 Coastal Upwelling Index Databases Derived from Satellite Winds
7 m Steven Morey (Florida State University)
4:30 Discussion on Oceanography Applications
18 m

Report from the Stress Group and Discussion

Co-Chair: Jim Edson

- 4:48 Deriving wind stress from satellite wind products – working group update (invited talk)
7 m Doug Vandemark (University of New Hampshire), James Edson
4:55 Discussion on Stress-Related Issues and Ways Forward
20 m
5:20 End of day wrap-up
10 m
5:30 End of Wednesday sessions
6:30 Optional, no-host dinner (for those who have RSVP'd and pre-paid, \$40 cash).
Osteria Romantica, 2151 Avenida De La Playa, La Jolla (near the hotel)

THURSDAY MORNING

8:00 Registration and poster set up

Meteorological Applications (part 1)

Co-Chairs: Thomas Kilpatrick and Timothy Lang

8:30 Identification of the ITCZ Using Ocean Vector Wind Fields During SPURS-2

15 m Aaron Paget (University of Connecticut) and James B. Edson

8:45 Hurricane Inflow Estimates from QuikSCAT Neural Net Wind Speed Retrievals

7 m Ralph Foster (Applied Physics Laboratory, University of Washington), Jun Zhang, NOAA/HRD, Miami, FL; and Peter Black, Monterey CA

8:53 Estimating CYGNSS vector winds applying a variational analysis method to simulated CYGNSS ocean surface wind speed retrievals

15 m Ross Hoffman (AOML/CIMAS and AER), S. Mark Leidner, Robert Atlas and B. Annane

9:08 Impact of Simulated CYGNSS Ocean Surface Winds on Tropical Cyclone Analyses and Forecasts in a Regional OSSE Framework

15 m Robert Atlas (NOAA AOML), Bachir Annane, Brian D. McNoldy, S. Mark Leidner, Ross N. Hoffman, and Sharon J. Majumdar

9:23 Towards a new ASCAT wind product for assimilation in global NWP

7 m Marcos Portabella (Institut de Ciències del Mar (ICM-CSIC)), Wenming Lin and Ad Stoffelen, Giovanna De Chiara

9:30 Assessing the sensitivity of the ECMWF 4D-Var assimilation system to different ASCAT wind product resolutions

15 m Giovanna De Chiara (ECMWF), Wenming Lin, Marcos Portabella and Ad Stoffelen

10:00 Break and poster viewing - 45 m

Meteorological Applications (part 2)

Co-Chairs: Larry O'Neill and Marcos Portabella

10:45 Investigating the Seasonal and Diurnal Cycles of Ocean Vector Winds, Precipitation, and Lightning near the Philippines

15 m Timothy Lang (NASA MSFC), Weixin Xu and Steve Rutledge

11:00 Diurnal Wind Variability in the Tropics: Non-Stationarity on Seasonal to Interannual Timescales

15 m Sarah Gille (Scripps Institution of Oceanography), Devon Northcott and Donata Giglio

11:15 Diurnal convection–wind coupling in the Bay of Bengal

15 m Thomas Kilpatrick (Scripps Institution of Oceanography, UCSD), Shang-Ping Xie and Tomoe Nasuno

11:30 Comparison of different methodologies in vertical wind extrapolation for satellite wind retrievals

7 m Alberto Rabaneda (University of Strathclyde) and Matthew Stickland

11:38 Evaluation of Multi-Satellite Surface Winds of MJO over the Indian Ocean using DYNAMO in-situ Observations

15 m Shuyi S. Chen (RSMAS/University of Miami) and Brandon Kerns

11:55 Discussion on Meteorological Applications

20 min

12:15 Lunch (working lunch on site)

THURSDAY AFTERNOON

Atmosphere and Ocean Coupling (Part 1)

Co-Chairs: Tony Lee and Lisan Yu

- 1:15 Scale dependence of air-sea interaction: what are we missing?
15 m Tom Farrar (Woods Hole Oceanographic Institution), Larry O'Neill, Hyodae Seo and Ted Durland.
- 1:30 Observed Structure and Characteristics of Cold Pools over Tropical Oceans using Scatterometer Vector Wind Retrievals
15 m Piyush Garg (Department of Atmospheric Sciences, University of Illinois Urbana Champaign), Stephen W. Nesbitt, Timothy J. Lang, Themis Chronis, Jeffrey D. Thayer and Deanna A. Hence
- 1:45 Dynamics of the wind stress response to ocean mesoscale surface temperatures
7 m Niklas Schneider (International Pacific Research Center, University of Hawaii)
- 1:53 Interaction between Ocean Eddies and Wind Stress Near Mid-latitude Ocean Fronts - a Revisit with Scatterometer Data
7 m Gregory King (Institute of Marine Sciences (ICM-CSIC)), Kai Yu and Changming Dong
- 2:00 Interaction between Ocean Eddies and Wind Stress Near Mid-latitude Ocean Fronts - a Revisit with Scatterometer Data.
15 m W Timothy Liu (Jet Propulsion Laboratory) and Xiaosu Xie
- 2:15 The role of wind gusts in upper ocean diurnal variability
15 m Donata Giglio (University of California San Diego), Sarah T. Gille, Aneesh C. Subramanian, San Nugyen, and Devon Northcott

2:45 Break and Poster Viewing – 45 min

Atmosphere and Ocean Coupling (part 2)

Co-Chairs: Heather Holbach and Doug Vandemark

- 3:30 Consistency of QuikSCAT and ASCAT wind measurements in depicting the variability of the South Pacific Convergence Zone
7 m Tong Lee (JPL) and Autumn Kidwell
- 3:38 Statistical characterization of small-scale wind variability in response to heavy rain events near oceanic Mesoscale Convective Systems
7 m Gregory King (Institute of Marine Sciences (ICM-CSIC)), Wenming Lin, Marcos Portabella and Ad Stoffelen
- 3:45 Theoretical Modeling of Dual-Frequency Scatterometer Response: Improving Ocean Wind and Rainfall Effects
15 m Federica Polverari (Institut de Ciències del Mar (ICM - CSIC)), Svetla M. Hristova-Veleva, Francis J. Turk, Nazzareno Pierdicca, Luca Pulvirenti and Frank S. Marzano
- 4:00 A combined wind retrieval model over ocean for HSCAT and HRAD onboard the HY-2A satellite under rainy conditions
15 m Xingou Xu (National Space Science Center, Chinese Academy of Sciences), Xiaolong Dong, Yun Li, Wenming Lin and Di Zhu
- 4:15 CYGNSS Sampling of Low-latitude Extratropical Cyclones and Surface Heat Flux Estimates
15 m Juan Crespo (University of Michigan), Derek Posselt, Catherine Naud and Charles Bussy-Virat

4:40 Discussion on Atmosphere and Ocean Coupling

20 m

5:00 End of meeting wrap up.

Mark Bourassa

30 m

5:30 Meeting adjourns

POSTERS PRESENTATIONS
(Posters will be up throughout the meeting)
Includes times of a one-minute highlight presentation

Meteorological Applications **(1 m talks on Tuesday AM)**

- 9:54 Further Examination of Diurnal and Sub-Diurnal Wind Vector Variability using the Constellation of Scatterometers and Radiometers
1 m Joe Turk (Jet Propulsion Laboratory, California Institute of Technology) and Svetla Hristova-Veleva
- 9:55 Oceanic convective systems: ASCAT and NEXRAD retrieval analysis
1 m Timothy Lang (NASA MSFC), Georgios Priftis, Themis Chronis and Steve Nesbitt
- 9:56 The impact of RapidScat ocean vector winds assimilation in JMA's global NWP system
1 m Masami Moriya (Japan Meteorological Agency)
- 9:57 Turbulent kinetic energy of the ocean winds over the Kuroshio Extension from QuikSCAT winds (1999-2009) (New Talk)
1 m Gregory King (Institute of Marine Sciences (ICM-CSIC)), Kai Yu and Changming Dong
- 9:58 Distinctive features of ocean surface winds over Indian Ocean between strong and weak Indian summer monsoons
1 m Yangxing Zheng (Florida State University) and Mark A. Bourassa and M. M. Ali
- 9:59 Preliminary evaluation of ScatSat winds
1 m Lucrezia Ricciardulli (Remote Sensing Systems), Richard Lindsley and Frank Wentz

10:00 Break and poster viewing

Gridded Products **(1 m talks on Tuesday PM)**

- 2:15 Temporal scales characterization of Southern Ocean's CCMP vector winds
1 m Magdalena Carranza (Scripps Institution of Oceanography) and Sarah T. Gille

Atmosphere/Ocean Coupling **(1 m talks on Tuesday PM)**

- 2:16 Scatterometer Observations of the Northern Red Sea Mountain-gap Wind Jets
1 m Viviane Menezes (WHOI), Tom Farrar and Amy Bower
- 2:17 Use of active and passive microwave ocean datasets to infer air-sea interfacial processes using new Southern Ocean buoy data
1 m Doug Vandemark (University of New Hampshire), Marc Emond and Bertrand Chapron
- 2:18 Towards improved estimates of upper ocean energetics: Science motivation for the simultaneous measurement of ocean surface vector winds and currents
1 m Hector Torres (Jet Propulsion Laboratory/California institute of Technology), M. M. Flexas, P. Klein, D. Menemenlis, A. F. Thompson and J. Wang
- 2:19 Coupling ocean currents and wind stress in a two-way fashion
1 m Qi Shi (Florida State University) and Mark Bourassa

Climate Data Record Development and Analysis **(1 m talks on Tuesday PM)**

- 2:20 The Calibrated Enhanced-Resolution Passive Microwave Brightness Temperature Earth System Data Record
1 m David Long (Brigham Young University) and Mary Jo Brodzik
- 2:21 A Consolidated Database of Antarctic Iceberg Positions, Sizes, and Rotation Angles
1 m David Long (Brigham Young University) and Jeff Budge
- 2:22 Determining the decadal trend patterns in ocean-surface winds (1987-2016)
1 m Lisan Yu (Woods Hole Oceanographic Institution)
- 2:23 Analysis of RapidScat Mid-Swath Directional Discontinuity
1 m Bryan Stiles (Jet Propulsion Laboratory), Alex G. Fore, Alex Wineteer, Lucrezia Ricciardulli, Frank Wentz, and Ernesto Rodriguez
- 2:24 RapidScat Recalibration and Reprocessing Status
1 m Alexander Fore (JPL), Bryan Stiles, Alexander Wineteer, and Ernesto Rodriguez
- 2:25 Ocean state diagnostics from scatterometers
1 m Ad Stoffelen (KNMI), Ana Trindade, Jos de Kloe and Marcos Portabella
- 2:26 QuikSCAT decadal climatology in the context of multi-decadal variability and change
1 m Shang-Ping Xie (Scripps Institution of Oceanography)
- 2:27 Studies of the Effects of Rain on the Performance of the SMAP Radiometer Surface Salinity Estimates and Applications to Remote Sensing of River Plumes
1 m David E. Weissman (Hofstra University) and Steven L. Morey (COAPS/FSU)

New Products and Applications**(1 m talks on Wednesday AM)**

- 9:55 RapidScat Radiometer Collocations – A New RapidScat Dataset
1 m Alex Wineteer (JPL), Lucrezia Ricciardulli, Bryan Stiles and Alex Fore
- 9:56 Update to “Diurnal variations of σ_0 over land from RapidScat Observations”: Monitoring vegetation dynamics in the Amazon
1 m Aaron Paget (University of Connecticut), Tim van Emmerik, Susan Steele-Dunne and Nick van de Giesen
- 9:57 Daily Scatterometer datasets in a Near Uniform Format
1 m Mark Bourassa (COAPS & EOAS, Florida State University), Jocelyn Elya, Aaron Kemmer, Shawn R. Smith and Arturo Valery Uzcategui
- 9:58 Estimating the Pointing Precision, Antenna Pattern, and Spatial Response Function of RapidScat Using Island Targets
1 m David Long (Brigham Young University) and Sam Bury
- 9:59 Comparisons of wind speed retrievals from an airborne microwave radiometer (AMPR) with satellite-based observations during the OLYMPEX/RADEX field campaign
1 m Timothy Lang (NASA MSFC) and Sayak Biswas
- 10:00 Preliminary Scatterometer Wind Retrievals From the SCATSAT-1 Mission
1 m Seubson Soisuvann (NOAA/NESDIS/Center for Satellite Applications and Research), Seubson Soisuvann, Faozi Said, Zorana Jelenak, Qi Zhu, and Paul S. Chang
- 10:01 Stepped frequency microwave radiometer retrieval error characterization
1 m Joseph Sapp (NOAA/NESDIS/Center for Satellite Applications and Research), Suleiman Alswiss, Zorana Jelenak, and Paul S. Chang
- 10:02 A Platform to Provide International and Inter-Agency Support for Data and Information Quality Solutions and Best Practices
1 m David Moroni (Jet Propulsion Laboratory), Hampapuram Ramapriyan and Ge Peng

Coastal Working Group**(1 m talks on Wednesday PM)**

- 2:38 QuikSCAT Coastal Wind Products
1 m Bryan Stiles (Jet Propulsion Laboratory), Alex G. Fore, P. Ted Strub, and Corinne James
- 2:39 Coastal QuikSCAT Winds over Eastern Boundary Currents
1 m Ted Strub (Oregon State University), Corinne James (CEOAS), Bryan Stiles (JPL) and Alexander Fore (JPL)
- 2:40 Drivers of SST frontal variability in the California Current System
1 m Renato Castelao (University of Georgia) and Hao Luo
- 2:41 Surface Wind Stress and Wave Sensitivity to Sea Spray in Tropical Cyclones
1 m Renee Richardson (FSU/COAPS), Mark A. Bourassa, and Steven L. Morey

Oceanographic Applications**(1 m talks on Wednesday PM)**

- 2:42 Small-scale and Inertial Wave OSCAR Currents
1 m Kathleen Dohan (Earth and Space Research)
- 2:43 Intermittent Wind Forcing of the North Pacific Subpolar Gyre Circulation
1 m Larry O'Neill (Oregon State University)
- 2:44 NOAA Ocean Winds Science Team NRT Satellite Ocean Winds Processing System Overview
1 m Qi Zhu (NOAA/NESDIS/Center for Satellite Applications and Research), Mark Romer, Seubson Soisuvann, Faozi Said, Joe Sapp, Zorana Jelenak, and Paul S. Chang