OCEAN VECTOR WIND SCIENCE TEAM MEETING
March 22-24, Seattle WA
Agenda

Tuesday March 22

Session A (invited talks) Chair:Timothy Liu
8:30-8:50   Freeman, Tony
JPL Welcome
8:50-9:10   Gaston, Robert
SeaWinds Project status
9:10-9:30   Shimoda, Haruhisa, K. Imaoka, and A. Shibata
JAXA status and GCOM-W
9:30-9:50   Bonekamp, Hans, J. Figa, and D. Klaes
ASCAT on METOP status
9:50-10:00
Announcement and logistics

10:00-10:30   Break (Please set up posters)

10:30-10:50   Legler, David
CLIVAR Program and Ocean Reanalysis
10:50-11:10   Gaiser, Peter W
WindSAT Mission status
11:10-11:30   Chang, Paul
NOAA NRT data usage
11:30-11:50   Ohhashi, Yasuaki, M. Tokuno, and T. Imazumi
Use of QuikSCAT winds in the JMA data assimilation system
11:50-12:10   Hans Hersbach, Peter Janssen, Lars Isaksen
Usage of Scatterometer data at ECMWF

12:10-1:10   Lunch
1:10-1:30   Poster viewing

Section B Chair:David Long
1:30-1:50   Bonjean, Fabrice, Gary Lagerloef, and John Gunn
B1 Ocean wind forcing analysis of near surface currents: application to the Ocean
Surface Current Analyses Real-time (OSCAR)
1:50-2:10   Donelan, Mark A., W.J. Plant and N. Suzuki
B2 Global mapping of mean surface currents
2:10-2:30   Xie, Shang-Ping
B3 Orographically triggered air-sea interaction over the eastern Pacific warm pool
2:30-2:50   Liu, W.Timothy, X. Xie, and W. Tang
B4 Oceanic influence of water cycle
2:50-3:10   Yuan, Xiaojun and C. Li

B5 Mesoscale cyclones observed by QuikSCAT in the Southern ocean: possible katabatic wind interferences

3:10-3:30   Break

3:30-3:50   Yueh, Simon
B6 Active and passive model function for hurricane ocean winds
3:50-4:10   Fu, Rong. and H. Wang
B7 Variability of the Atlantic ITCZ associated with convectively couple Kelvin waves as detected by QuikSCAT
4:10-4:30   Brown, Robert
B8 Some application of QuikSCAT and WindSAT derived pressure field
4:30-4:50   Milliff, Ralph. W.G. Large, T. Hoar, D. Nychka
B9 Tropical OGCM response to an ensemble of surface wind fields based on QSCAT during a Madden-Julian active phase
4:50-5:10   Graber, Hans, M.J. Caruso, V. J. Cardone, A. Cos, and A.R. Owniius
B10 Validation of QuikSCAT vector winds in coastal regions
5:10-5:30   Patoux, Jerome
B11 A satellite view of frontal wave development over the North Pacific Ocean

Wednesday March 23

Session C Chai:Kristina Katsaros
8:30-8:50   Bourassa, Mark
C1 New insights into how wind influences stress, and resulting implications to equivalent neutral winds and wind retrieval
8:50-9:10   Von Ahn, Joan and J.M. Sienkiewicz
D5 The impact of QuikSCAT winds on OPC operation
9:10-9:30   Chen, Dake
C3 Seasonality of tropical cyclones genesis over the South China Sea
9:30-9:50   Wentz, Frank, D. Smith, and T. Meissner
C4 Evaluation of microwave scatterometers and radiometers as satellite anemometers
9:50-10:10   Ebuchi, Naoto
C5 Intercomparison of wind speed observed by AMSR and SeaWinds on ADEOS-II

10:10-11:10 Poster Viewing

11:10-11:30   Chelton, Dudley
C6 An assessment of the accuracy of SST influence on low-level winds in the ECMWF and NCEP numerical weaher prediction models
11:30-11:50   Sienkiewicz, Joseph
C7 Operational use of QuikSCAT winds in the vicinity of SST gradient
11:50-12:10   Song, Qingtao, P. Cornillon, and T. Hara
C8 Modeling the effect of the Gulf Stream (current and SST front) on scatterometer-derived winds

12:10-1:10   Lunch
1:10-1:30   Poster viewing

Session D Chair:David Weissman
 1:30-1:50   Bogucki, Darek, M.E. Carrr, W.M. Drennan, P. Woiceshyn, and M. Schmeltz
 D1 Improved estimates of gas transfer using scatterometry
 1:50-2:10   McGillicuddy, Dennis
 D2 How productive is the equatorial Atlantic?
 2:10-2:30   Long, David
 D3 Tandem mission studies of polar ice in Greenland and Antarctica
 2:30-2:50   Nghiem, Son V., G.R. Brakenridge, E.G. Njoku, K. Steffen, D.K. Perovich, M.L. Van Woret
 D4 Scatterometry in hydrologic and cryospheric studies
 2:50-3:10   Chen, Shuyi, W. Zhao, R. Foster, and W.T. Liu
 D5 High-resolution Data Assimilation of Scatterometer Surface Winds for Tropical Cyclone Prediction

3:10-3:30 Break

3:30-3:50   Hilburn, Kyle, F. Wentz, P. Ashcroft, D. Smith
D6 Active-passive remote sensing with SeaWinds and AMSR on Midori-2
3:50-4:10   Dunbar, R.Scott. and S. Veleva
D7 AMSR brightness temperature calibration for SeaWinds atmospheric corrections
4:10-4:30   Veleva, Svella, S. Dunbar, P. Callahan, S. Yuen, G. Neumann, V. Hsiao
D8 AMSR geophysical retrievals and physical modeling of attenuation and backscatter based on AMSR retrievals
4:30-5:10   Huddleston, James N, and B. Stiles
D9 Rain Flagging and Correction Algorithms/Plans for SeaWinds and QuikSCAT
4:10-5:30   Callahan, Phil. and Simon Yueh
D10 QuikSCAT data reprocessing
5:30-5:40   Challahan, Phil and Simon Yueh
 Discussion on data reprocessing

Thursday March 24

Session E Chair:Shuyi Chen
8:30-8:50   Levy, Gad and J.C. Alpert
E1 The impact of scatterometer-based sub-grid flux parameterization on medium range global forecasting in the operational NCEP GPS
8:50-9:10   Yu, Lisan
E2 Improving the estimation and understanding of the trend and variability of global air-sea heart fluxes through a combined use of QuikSCAT and SSM/I retrievals
9:10-9:30   Katsaros, Kristina
E3 Ocean surface flux work at IFREMER, AOML, and U. of Maryland
9:30-9:50   Jiang, Chuan Li

E4 Evaluation of a hybrid satellite and NWP based turbulent heat flux product using TAO buoys
9:50-10:10   Lee, Tong and W. T. Liu
E5 Effects of high-frequency wind sampling on simulated mixed-layer depth and upper-ocean temperature

10:10-10:30 Break

10:30-10:50   Moore, Richard, D. Braaten, B. Natarajakumar, V. J. Kurisunkal
E6 SeaWinds corrections for rain cells smaller than the scatterometer footprint
10:50-11:10   Hennon, Christopher
E7 Issues in surface wind vector validation in tropical cyclones
11:10-11:30   Weissman, David and M.A. Bourassa
E8 Correction to scatterometer wind vectors from effects of rain, using high resolution NEXRAD radar collocations
11:30-11:50   Shibata, Akira
E9 Ocean microwave emission change due to air-sea temperature difference
11:50-12:10   Jones, Linwood, K. Ahmad, and T. Kasparis
E10 QuikSCAT radiometer rain rates for wind vector quality control

12:10-1:10 Lunch
1:10-1:30 Last Chance to view poster

Session F Chair:Shang-Ping Xie
1:30-1:50   Portabella, Macros and A. Stoffelen
F1 A probabilistic approach for SeaWinds data assimilation
1:50-2:10   Lettvin, Ellen
F2 Geophysical model functions for the high wind regime
2:10-2:30   Gille, Sarah.,S.L.Smith, and N. Statom
F3 Global observations of land breeze
2:30-2:50   Tomita, Hiroyuki
F4 Improvement of daily wind speed estimation using multi-satellites data
2:50-3:10   Foster, Ralph
F5 New developments in hurricane boundary layer theory

3:19-3:30   Break and Remove poster

3:30-3;50   Wang, Chunzai
F6 The tropical western hemisphere warm pool
3:50-4:10   Zheng, Quanan and Jiayi Pan
 F.7 Retrieval of low divergence at lower atmosphere and surface ocean from QuikSCAT vector winds
4:10-4:30   Lee, Tong
F8 Decadal variations of Indian Ocean wind and currents inferred from satellite data and reanalysis products
4:30-4:50   Han, Weiqing

F9 "Indian Ocean atmospheric subseasonal variability revealed by QuikSCAT winds and their oceanic response".
4:50-5:10   Perigaud, Claire
F10 Role of QuikSCAT daily wind fluctuation in improving the simulations of Indian Ocean atmosphere intraseasonal-to-interannual climate variation
5:10-5:30   Susanto, Dwi, T. Moore, and J. Marra
F.11 Upwelling favorable wind in the Indonesian Sea

Poster

1 Chen, Richard, T. Lungu, R. Benada, P. Liggett
Data products and toos at PO.DAAC for ocean vector winds

2 Freilich, Michael
Validation of preliminary WindSAT vector wind measurement using NDBC buoys and global QuikSCAT comparisons

3 Zonrana, Jelenak – Ocean wind vector retrievals from WindSAT polarimetric measurements in extreme events –2004 hurricane season

4 Bettenhausen, Mike
The NRL wind vector retrieval algorithm

5 Laws, Kenneth
Wind retrievals from Windsat using an inversion algorithm employing a physical-base forward model – comparison of results for single-look and double-look measurement geometries

6 Morzel, Jan and R.F. Milliff
Rain flag effects in wind stress curl and divergence comparisons Quikscat and WindSAT

7 Atlas,Robert and J. Ardizzone
Geophysical validation of WindSAT data and its impact on numerical weather prediction

8 Leidner, Mark
Mesoscale assimilation of QuikSCAT data in atmospheric model

9 Persson, P. Ola G., Walter, B., and J. Hare
Maritime differences between wind direction and stress: relationships to atmospheric fronts and implications

10 Thompson, LuAnne, C. Jiang, K.A. Kelley
Intraseasonal mixed-layer temperature budget in the tropical Pacific in model driven by QuikSCAT winds: the role of heat fluxes and zonal advection

11 Tang, Wenqing and W. T. Liu
The role of moisture transport in the Arctic hydrologic cycle

12 McDonald, Kyle, C., J. S. Kimbal, M. Zhao, and S.W. Running
Monitoring seasonal freeze-thaw processes in the terrestrial high latitudes with microwave remote sensing: relationships with land-atmosphere CO_2 exchange

13 Maue, Ryan N. and M. A, Bourassa
QuikSCAT observation of warm seclusion events associated with extratropical transition

14 He, Ruoying and D. McGillicuddy
Improving coastal wind field specification in the Gulf of Maine using QuikSCAT

15 Siripong, Absornsuda, P. Sojisuporn, J. Phaksopa, W.T. Liu, and W.Tang
Surface circulation model in the Gulf of Thailand forcing by ADEOS-II/SeaWinds and NOGAP and its effects on the distribution of Chl-a, SS and CDOM

16 Small, Richard Justin
Satellite observations of mesoscale ocean features and co-propagating atmospheric surface fields in the tropical belt

17 Ferrandex, D. E., Z. Jelenak, P. Chang, R. Contreras, S. Frasier, J. Carswell
Measurements of surface and volume backscatter in cyclones

18 Foster, Ralph, G. Levy, D. Long
Sub-scatterometer footprint variability estimated by SAR and in situ measurements

19 Levy, Gad and T. Dunkerton
Observations of near-equatorial symmetric stability from scatterometer vector winds; an illusive connection to atmospheric circulation

20 Monaldo, Frank, D. Thompson, P. Winstead, and J. Horstmann
Application of high wind speed retrieval algorithms in Hurricane Ivan

21 Jones, W. Linwood and S. Soisuvam
Ocean surface wind vector retrieval using active and passive microwave sensing on ADEOS-II

22 Jones, W.Linwood, M. Rastogi, and I. Adams
SeaWinds radiometer brightness temperature calibration/validation

23 Long, David
Validation of SeaWinds/QuikSCAT rain measurements with NEXRAD

24 Portabella, M.and A. Stoffelen
Towards a generic scatterometer wind inversion

25 Hackert, Eric, R.H. Zhang, X. Wang, and A.J. Busalacchi
Comparison of ocean model statistics forced by various wind products including QuikSCAT