

LOM 2009 - Miami, Florida - June 1 - 3, 2009 - Workshop Agenda

Time	Title Author Institution	Topic
Monday, June 1st		
8:15-8:45	Registration	
8:45-9:00	WELCOME Eric Chassignet	
9:00-9:20	Lessons learned Rainer Bleck	
9:20- 9:40	Comparison of GFDL's CM2G Coupled Climate Model with CM2.1 and CM2M Robert Hallberg, Alistair Adcroft, Matthew Harrison, Anand Gnanadesikan <i>NOAA/GFDL & Princeton University</i>	Climate
9:40-10:00	Comparing the CHIME coupled model with HadCM3 Alex Megann, Adam Blaker, Adrian New, Bablu Sinha <i>National Oceanography Centre, Southampton</i>	Climate
10:00-10:20	Impact of Large-scale Tropical Precipitation Anomalies on the Overturning and Interior Watermass Structure of a Coupled Climate Model Matthew Harrison, Robert Hallberg, Alistair Adcroft <i>NOAA GFDL</i>	Climate
10:20-11:00	<i>Coffee Break</i>	
11:00-11:20	Response of the CHIME coupled climate model to two climate forcing scenarios Adam Blaker, Alex Megann, Adrian New, Bablu Sinha <i>NOCS</i>	Climate
11:20-11:40	Overview of HYCOM/CCSM Jianjun Yin, Eric Chassignet <i>COAPS - Florida State University</i>	
11:40-12:00	Decadal climate variability associated with the Meridional Overturning Circulation and the North Atlantic Oscillation in CHIME Aur�lie Persechino, Robert Marsh, Bablu Sinha, Rowan Sutton <i>National Oceanography Centre, University of Southampton (UK)</i>	Climate
12:00- 1:30	<i>Lunch Break</i>	
1:30- 1:50	Challenges in Modeling Satellite-Observed SSH and Ocean-Bottom Pressure Tony Song <i>Jet Propulsion Laboratory</i>	Climate/Obs
1:50- 2:10	Pathways of Nordic Overflows From Climate Model Scale and Eddy Resolving Simulations Yeon S. Chang, Zulema D. Garraffo, Hartmut Peters, Tamay M. Ozgokmen <i>RSMAS</i>	Basin Dyn/Topog (Atlantic)
2:10- 2:30	Validation Analysis of the 0.72 degree HYCOM/CICE 4.0 2003-2006 run Dmitry Dukhovskoy, Pam Posey, Joe Metzger, Alan Wallcraft, Eric Chassignet <i>COAPS/FSU</i>	Sea-Ice Model Validation
2:30- 2:50	Comparison of simulated NADW to observations Xiaobiao Xu, William Schmitz Jr., Harley E. Hurlburt, Eric P. Chassignet <i>USM</i>	Basin Dyn/Obs (Atlantic)
2:50- 3:30	<i>Coffee Break</i>	

3:30-3:50	Impact of interannual atmospheric forcing on the Mediterranean Outflow Water variability in the Atlantic Ocean Alexandra Bozec, Eric Chassignet, Susan Lozier <i>COAPS/FSU</i>	Ocean Dynamics (Atlantic)
3:50-4:10	South Atlantic circulation from global 1/12 HYCOM simulations Zulema Garraffo, Silvia Garzoli, Shenfu Dong, Molly Baringer, Ashwanth Srinivasan <i>University of Miami</i>	Basin Dynamics (Atlantic)
4:10- 5:00	Discussion Coupled Climate Models Bob Hallberg	
5:30- 6:30	Reception Cash Bar	
6:30- 9:00	Dinner Reception	
Tuesday, June 2nd		
8:40- 9:00	Evaluation of the 1/12 degree global HYCOM/NCODA nowcast/forecast system O. M. Smedstad, J. A. Cummings, E. J. Metzger, H. E. Hurlburt, A. J. Wallcraft, D. S. Franklin, J. F. Shriver, P. G. Thoppil <i>QinetiQ North America</i>	Ocean Prediction
9:00- 9:20	An update on the comparison of sequential assimilation schemes for ocean prediction with HYCOM A. Srinivasan, E.P. Chassignet, W.C. Thacker, O.M. Smedstad, F. Counillon, L. Bertino, J.M. Brankart, P. Brasseur, T.M. Chin, J.A. Cummings, A.J. Mariano <i>RSMAS-CCS/ University of Miami</i>	Ocean Prediction
9:20- 9:40	TOPAZ4: development and plan Francois Counillon, Laurent Bertino <i>NERSC/ Mohn-Sverdrup Center</i>	Ocean Prediction
9:40-10:00	On the Development of a Numerical Ocean Prediction for the Tropical and South Atlantic Based on HYCOM Clemente Tanajura, Renato Ramos da Silva, Jonatas Einsiedler, Giovanni Ruggiero, Konstantin Belyaev, Jean Oliveira, Edmo Campos, Afonso Paiva, Mariela Gabioux, Charles de Santana <i>Federal University of Bahia</i>	Ocean Prediction
10:00-10:40	<i>Coffee Break</i>	
10:40-11:00	Dynamics of Gulf Stream separation from the coast and its pathway to the east Harley E. Hurlburt and Patrick J. Hogan <i>Naval Research Laboratory, Stennis</i>	Basin Dynamics (Atlantic)
11:00-11:20	Dynamical evaluation of Gulf Stream simulations in ocean models with high vertical resolution Harley E. Hurlburt, Eric P. Chassignet, E. Joseph Metzger, James G. Richman, William J. Schmitz, Jay F. Shriver, Alan J. Wallcraft, and Xiaobiao Xu <i>Naval Research Laboratory, Stennis</i>	Basin Dyn/Obs (Atlantic)
11:20-11:40	Resolution Dependent Relative Dispersion Statistics in a Hierarchy of Ocean Models Angelique C. Haza, Andrew C. Poje, Tamay M. Ozgokmen, Marcello Magaldi, Zulema D. Garraffo <i>RSMAS</i>	Eddy Dynamics/Obs (Atlantic)
11:40-12:00	Ekman drift and vortical structures Yves Morel, Leif Thomas <i>SHOM</i>	Process Dynamics
12:00- 1:30	<i>Lunch Break</i>	
1:30- 1:50	Concurrent simulation of tides and the general circulation in an eddy-resolving global ocean model Brian K. Arbic, E. Joseph Metzger, Alan J. Wallcraft <i>Florida State University</i>	Internal Tides
1:50- 2:10	Internal waves generation, propagation and induced mixing in OGCMs Flavien Gouillon, Eric Chassignet <i>COAPS/FSU</i>	Internal Tides
2:10- 2:30	The Effect of Statistical Abyssal Hill Roughness on the Generation of Internal Waves Patrick G. Timko, Brian K. Arbic, John A. Goff <i>COAPS/FSU</i>	Internal Tides
2:30- 2:50	Modelling the north-eastern Atlantic shelf with HYCOM	Regional Dynamics

	Luis Quaresma Dos Santos, Yves Morel, Remy Baraille, Stephanie Louazel, Annick Pichon, Stephanie Correard, Sophie Casitas <i>IH (Portugal)</i>	
2:50- 3:30	<i>Coffee Break</i>	
3:30- 3:50	Upper ocean heat budget in the southeast Pacific stratus cloud region using eddy-resolving HYCOM Toshiaki Shinoda, Yangxing Zheng, George N. Kiladis, Jialin Lin, E. Joseph Metzger, Harley E. Hurlburt, and Benjamin S. Giese <i>Naval Research Laboratory</i>	Basin Dynamics
3:50- 4:10	Validation of KPP in a coastal area Cécile Renaudie, Rémy Baraille, Yves Morel, Gwenaëlle Hello, Hervé Giordani <i>Météo France / SHOM</i>	Regional/Mixing
4:10- 4:30	formation of a secondary upwelling along the continental margin Yves Morel, Vincent Rossi, Veronique Garçon <i>SHOM</i>	Regional Dynamics
4:30- 4:50	Modeling the influence of the Dardanelles outflow on the Aegean Sea dynamics Villy H. Kourafalou, Ioannis Androulidakis, Dionisios Raitsos, Konstantinos Tsias, Alan J. Wallcraft and Ole Martin Smedstad <i>University of Miami, RSMAS</i>	Regional Dynamics
4:50- 5:10	Numerical investigation of the interaction of the Red Sea outflow with Gulf of Aden eddies Mehmet Ilıcak, Tamay Ozgokmen <i>RSMAS University of Miami</i>	Regional Dynamics
Wednesday, June 3rd		
8:40- 9:00	The Impacts of an Evolving Ocean Boundary Condition on TC Structure and Intensity Henry Winterbottom, Eric Chassignet <i>Center for Ocean-Atmosphere Prediction Studies</i>	Ocean Prediction
9:00- 9:20	Enhancing predictability of the Loop Current variability using Gulf of Mexico Hycom Matthieu Le Henaff, Villy Kourafalou, Ashwanth Srinivasan <i>RSMAS</i>	Regional Dyn (GoM)
9:20- 9:40	The Dynamics of the Mississippi River Plume and Interactions with Coastal and Offshore Flows in the Northern Gulf of Mexico Rafael V. Schiller, Villy H. Kourafalou, George Halliwell, Patrick J. Hogan, Ole Martin Smedstad <i>University of Miami / RSMAS</i>	Regional Dyn (GoM)
9:40-10:00	Simulating the variability of Florida Current frontal eddies HeeSook Kang and Villy H. Kourafalou <i>RSMAS</i>	Regional Dyn (GoM or close by)
10:00-10:40	<i>Coffee Break</i>	
10:40-11:00	Adaptation of the vertical resolution in the mixed layer for HYCOM Cécile Renaudie, Rémy Baraille, Yves Morel, Gwenaëlle Hello, Hervé Giordani <i>Météo France / SHOM</i>	Model Development
11:00-11:20	The Piecewise Quartic Method, Continuous Isopycnal Coordinates and Why General Coordinate Models Might Still Be Necessary Alistair Adcroft, Laurent White, Robert Hallberg <i>Princeton University and NOAA/GFDL</i>	Model Development
11:20-11:40	New Features of HYCOM Alan Wallcraft <i>Naval Research Laboratory</i>	Model Development
11:40- 1:30	<i>Lunch Break</i>	
1:30- 5:30	HYCOM Group discussion Eric Chassignet <i>COAPS</i>	