HYCOM Consortium

for Data Assimilative Modeling

HY COM — HYbrid Coordinate Ocean Model

7th HYCOM Consortium Meeting
August 19-21, 2003
NCEP, Camp Springs, MD

Agenda

(Annoncement at http://polar.wwb.noaa.gov/mmab/meeting/notice.html)

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THIS IS AN INFORMATION EXCHANGE MEETING. DO NOT HESITATE TO PRESENT THE NUTS
AND BOLTS ASPECTS OF YOUR WORK.

Suggested time for the presentations is +/- 15 minutes (unless otherwise
indicated). In addition to a discussion of your results, it would be most
useful to include in your presentation a status report as well as your
vision for the following year.
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==== TUESDAY A.M.===== TUESDAY A.M.===== TUESDAY A.M.===== TUESDAY A.M.=====

8:30am  Welcome - Logistics                                    D.B. Rao

                            Overview
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                 (Short presentations of 10 minutes or less)
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HYCOM NOPP GODAE Plans   E. Chassignet

HYCOM and Navy Ocean Prediction   J. Harding/
                                                               H. Hurlburt

HYCOM and NOAA   D.B. Rao

A word from the sponsors   S. Wilson

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                      Ocean Prediction Systems
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The 1/12° N. Atlantic Ocean Prediction System   O.M. Smedstad

HYCOM Ocean Prediction in France   R. Baraille

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          Status of global, basin-scale, and regional simulations
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Global HYCOM   A. Wallcraft

Pacific HYCOM   J. Metzger

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==== TUESDAY P.M.===== TUESDAY P.M.===== TUESDAY P.M.===== TUESDAY P.M.=====

                HYCOM as a provider of boundary conditions
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                 (Short presentations of 10 minutes or less)
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Nesting studies with HYCOM	P. Hogan
Intra-American Seas nested HYCOM	T. Townsend
SABLAM	B. Blanton
Air/ocean coupled prediction systems at NRL	R. Hodur
Nested circulation modeling on the U.S. East and West Coasts using ROMS	D. Haidvogel
U.S. West Coast modeling	J. Kindle
High Resolution Coastal Prediction at NRL	C.A. Blain
West Florida shelf modeling	R. Weisberg
NOAA Ocean Prediction Center	J. Sienkiewicz
NOAA National Ocean Service boundary condition needs for estuarine nowcast/forecast models	M. Vincent

Plenary discussion: User requirements for boundary informations

== WEDNESDAY A.M.==== WEDNESDAY A.M.==== WEDNESDAY A.M.==== WEDNESDAY A.M.===

Sensitivity studies and other applications

High resolution North Atlantic modeling at NRL	P. Hogan
High resolution North Atlantic modeling at NOAA	C. Lozano
Heat and momentum fluxes: Application to the Black Sea	B. Kara
Global HYCOM at LANL	R. Bleck
Climate Simulations with Coupled HYCOM/GISS Model	S. Sun
Coupling LANL's sea ice model to HYCOM via the NCAR flux coupler	D. Bi
Initial progress on West Florida shelf simulations	G. Halliwell
Initial progress on the South Florida Regional Model simulations	V. Kourafalou
One way and two way nesting procedures with TOPAZ	L. Bertino
Incorporating vertical swimming to model larval behavior within HYCOM	J. Willemsen
Plans for assessing HYCOM as a source of operational nowcast/forecasts	S. Anderson
Sea surface temperature measured by the MODerate resolution Imaging Spectroradiometer (MODIS) [IR] and AMSR [Microwave]	R. Evans/ P.J. Minnett/O.B. Brown

Plenary discussion: Validation of HYCOM products

== WEDNESDAY P.M.==== WEDNESDAY P.M.==== WEDNESDAY P.M.==== WEDNESDAY P.M.===

NCEP Special topics

Status and plans on NCEP's operational global atmospheric mode	H. Pan
Status and plans on the operational regional Eta model	G. DiMego

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Evaluation of air-sea flux fields from operational NWP models    G. White

Status and plans on data assimilation in NCEP's
operational NWP models                                           J. Derber

                         Data assimilation
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Review of the NRL Multivariate Ocean Data Assimilation System    J.Cummings/
                                                                 R. Hodur

Data assimilation at NRL/Stennis                                 O.M. Smedstad

Implementation of the SEEK filter in HYCOM                       P. Brasseur

Status and perspectives of the TOPAZ system                     L. Bertino

Data assimilation: Reduced Order Information Filter update        M. Chin/
                                                                 A. Srinivasan

HYCOM adjoint and other topics                                  R. Baraille

Assimilating XBTs in HYCOM                                      C. Thacker

              Plenary discussion: Data assimilation effort


== THURSDAY A.M.==== THURSDAY A.M.==== THURSDAY A.M.==== THURSDAY A.M.===

                         Web and data access
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LAS server in Miami                                             A. Srinivasan

Data sharing framework                                         S. Hankin

MERSEA                                                         A. Wallcraft

Ocean Currents Web Site                                        A. Mariano

           Plenary discussion: Web site, data distribution/access

                         HYCOM development
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HYCOM model development, validation, documentation              A. Wallcraft

Latest developments                                            R. Bleck

Alternative numerical scheme for the primitive
equations in MICOM/HYCOM                                        M. Bentsen

Tides                                                          R. Baraille

       Plenary discussion: Future releases of HYCOM, documentation, ...


== THURSDAY P.M.==== THURSDAY P.M.==== THURSDAY P.M.==== THURSDAY P.M.===

         Plenary session: Assessment of the FY03 implementation plan.
                    Preparation of FY04 implementation plan.
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