



HYCOM Consortium

for Data Assimilative Modeling

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6th HYCOM Consortium Meeting October 7-9, 2002 Center for Nonlinear Studies Los Alamos National Laboratory

Agenda

(Directions at <http://cnls.lanl.gov/Conferences/hycom/map.htm>)

==== MONDAY A.M.==== MONDAY A.M.==== MONDAY A.M.==== MONDAY A.M.====

8:30am Welcome - Logistics R. Bleck

Overview

Where are we, where are we going? E. Chassignet

HYCOM and the Navy Ocean Prediction Effort at NRL H. Hurlburt

Data assimilation: 1/3 and 1/12 degree N. Atlantic O.M. Smedstad

==== MONDAY P.M.==== MONDAY P.M.==== MONDAY P.M.==== MONDAY P.M.====

Basin-scale and regional simulations

High resolution North Atlantic modeling P. Hogan

Impact of daily forcing variability Z. Garraffo

Embedded Caribbean Sea modeling T. Townsend

Performance of HYCOM vertical mixing algorithms in low-resolution Atlantic simulations G. Halliwell

Generalized coordinates E. Chassignet

HYCOM Analysis of Atlantic Ocean Response Modes to NAO-Related Atmospheric Forcing at Different Time Scales G. Halliwell

[Pacific basin HYCOM modeling](#) J. Metzger

Japan East Sea/China Sea modeling P. Hogan

Plenary discussion: Basin-scale issues

==== TUESDAY A.M.==== TUESDAY A.M.==== TUESDAY A.M.==== TUESDAY A.M.====

Data assimilation

Data assimilation: Reduced Order Information Filter update M. Chin
Other data assimilation efforts using HYCOM
(G. Evensen, P. Brasseur, R. Baraille) E. Chassignet
Constraining HYCOM: Twenty years of Atlantic XBT data S. Lee

Plenary discussion: Data assimilation effort

Global simulations

Factors affecting the persistence of the meridional
overturning circulation in MICOM/HYCOM R. Bleck
Coupling LANL's sea ice model to HYCOM via the NCAR
flux coupler D. Bi

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

Preliminary results from 0.72 degree global HYCOM J. Metzger
Towards a coupled HYCOM-Fla.State U climate model L. Crosnier

Plenary discussion: Global domain strategy -- Ice modeling

Other HYCOM activities/plans

PARADIGM: Partnership for advancing interdisciplinary global
modeling E. Chassignet
Modelling CFC uptake by the global ocean S. Peacock/
R. Bleck
Coastal Ocean NESTing Studies (CONESTS) P. Hogan
NOAA/NCEP/COFS plans C. Lozano/
(COFS: Coastal Ocean Forecast System) D. B. Rao

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

HYCOM development

HYCOM model development and validation A. Wallcraft
T and S advection M. Iskandarani
HYCOM documentation A. Wallcraft

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

Web and data access

Data storage and access with a LAS server A. Srinivasan

Plenary discussion: Web site, data distribution

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

Plenary session: Assessment of the year 3 implementation plan.
Prepare year 4 implementation plan.

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 +/- 20 minutes. In addition to a
discussion of your results, it would be most useful to include in the
presentations a status report as well as your vision for the third year.

SOCIAL EVENT:
HYCOM chili night at Rainer Bleck's house on Monday evening (6:30 pm).....

