

CCSM Ocean Model Working Group Meeting

10 – 11 December 2009 – NCAR Mesa Lab

Webcast Instructions:

AUDIO: Dial this access number: 1-866-740-1260 – Enter access code **4971358**

VIDEO: Go to www.readytalk.com; under "join a meeting" enter access code **4971358**

Thursday, 10 December – Walter Orr Roberts Board Room

Walter Orr Roberts Board Room location: This conference room is located in the Fleischmann Building, which is the small, pink building across from the Mesa Lab parking lot. Please follow the sign to the Board Room that is near the sidewalk.

08:00 – 08:25 *Coffee, pastries*

08:25 – 08:35 Welcome and Meeting Overview

Co-chairs

CURRENT STATUS OF CCSM4

08:35 – 09:00 Status and Release Schedule of CCSM4

James Hurrell

09:00 – 09:15 POP2 Documentations for the Release

Gokhan Danabasoglu

Phil Jones

Nancy Norton

09:15 – 09:30 New Time-averaged Output Features in CCSM POP2

Nancy Norton

09:30 – 09:40 CORE-II Update

Gokhan Danabasoglu

09:40 – 09:50 Discussion

09:50 – 10:10 Science Talk: New ENSO Diagnostics

Samantha Stevenson

10:10 – 10:30 *Break*

RECENT WORK ON HYPOP TOWARDS THE NEXT GENERATION OF THE CESM OCEAN COMPONENT

10:30 – 10:40 Context

Gokhan Danabasoglu

10:40 – 11:00 POP Equivalence of the HYPOP Dynamical Core and Computational Performance

Matthew Hecht

Phil Jones

11:00 – 11:20 A Consideration of Two-time-level Schemes

Todd Ringler

11:20 – 11:40 A Generalization of Prather's Method for Tracer Advection

Rob Lowrie

11:40 – 12:00 An Energy and Potential Vorticity Conserving Dynamical Core

Todd Ringler

12:00 – 12:10 Discussion

12:10 – 13:20 *Lunch*

OTHER PLANNED DEVELOPMENTS AND COLLABORATIONS

13:20 – 13:30 New Round of CPTs

Gokhan Danabasoglu

13:30 – 13:50 Wave Modeling and Langmuir Mixing

Adrean Webb

13:50 – 14:10 NRCM Plans

Bill Large

14:10 – 14:30 BGCWG Perspective and Collaborations with OMWG

Keith Lindsay

14:30 – 15:40 Discussion (what we want in the next version of our ocean model; how we get there; when and where we start from)

15:50 ***CGD Holiday Party – Damon Room, Mesa Lab***

Friday, 11 December – Damon Room

08:00 – 08:30 *Coffee, pastries*

08:30 – 08:45 Science Talk: Glacial Inception with CCSM

Markus Jochum

08:45 – 09:05 Science Talk: Numerical Simulation of Dissolved Iron Concentrations in the North Pacific: Importance of the Sedimentary Iron Source

Kazuhiro Misumi

FINE RESOLUTION CCSM

09:05 – 09:25 New Analysis from the High Resolution CCSM Simulation

Julie McClean

09:25 – 09:45 Inferences and Implications for Parameterizations from a Global Diagnosis of Mesoscale Tracer Stirring

Baylor Fox-Kemper

09:45 – 10:05 Design of an Eddy Parameterization Testing Suite

Scott Bachman

10:05 – 10:30 *Break*

10:30 – 10:50 Plans for High Resolution Atmospheric Model

Julio Bacmeister

10:50 – 11:10 Sea-ice in High Resolution Simulations

Cecilia Bitz

11:10 – 11:30 Ocean Simulation in High Resolution Peta-apps and Development Strategy

Frank Bryan

11:30 – 12:15 Discussion

12:15 – 13:20 *Lunch*

DECADAL PREDICTION

13:20 – 13:40 Decadal Variability in POP Simulations

Elizabeth Douglass

13:40 – 14:00 Decadal Predictability Limits of CCSM3

Grant Branstator

14:00 – 14:20 Data Assimilation Research Testbed (DART)

Haiyan Teng

Jeff Anderson

14:20 – 14:40 Status of CCSM4 Decadal Prediction Efforts

Tim Hoar

14:40 – 14:55 Discussion

Steve Yeager

14:55 – 15:10 ***GENERAL DISCUSSION***

15:10 Adjourn