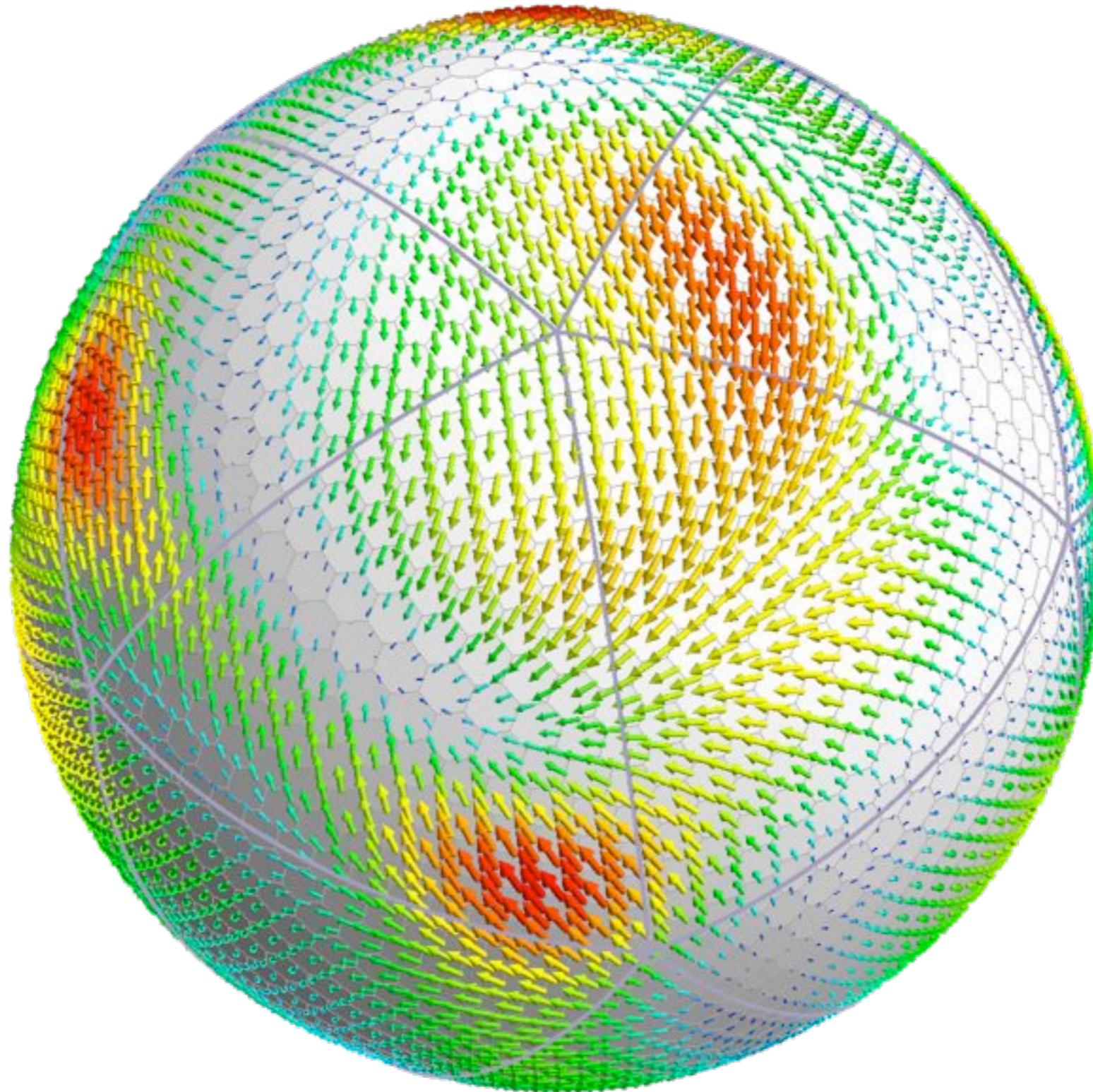
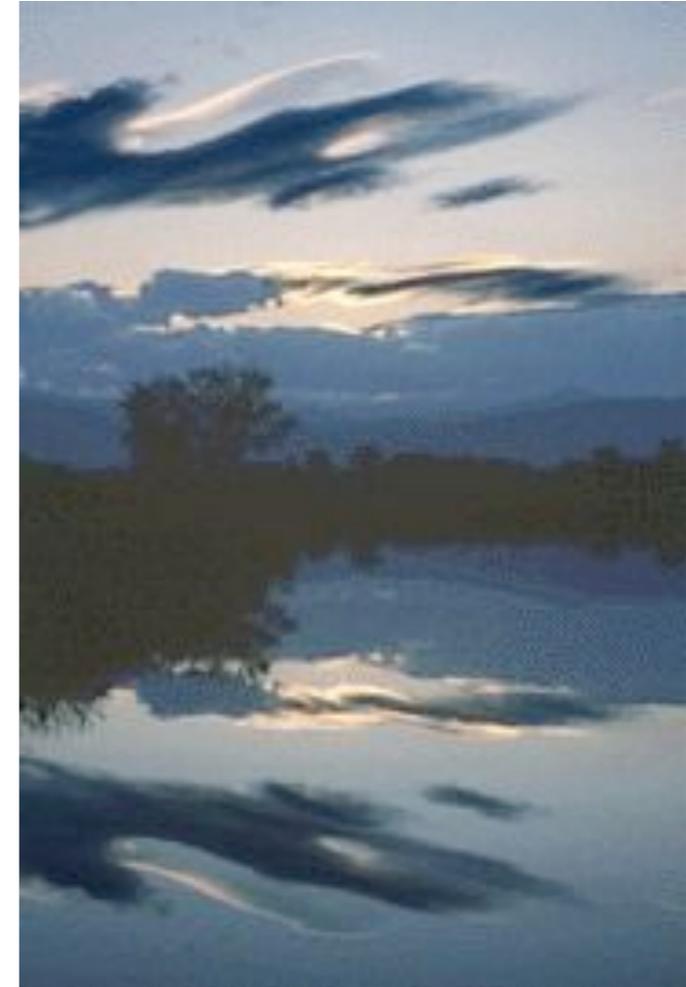


Welcome



CMMAP's External Advisory Panel is here.

- ◆ **George Kiladis (Chair)**
- ◆ **Larissa Back**
- ◆ **Tony DelGenio**
- ◆ **Brian Mapes**
- ◆ **Marco Molinaro**
- ◆ **Mike Wehner**



Renewal

- ◆ **Discussed at last summer's meeting.**
- ◆ **Renewal proposal submitted in October 2009.**
- ◆ **Mail reviews received on February 4, 2010: 4 E, 2 VG.**
- ◆ **Site Visit, February 16-18.**
- ◆ **Further discussions with NSF and the CSU administration into mid-April.**

CMMAP is being renewed.

NATIONAL SCIENCE FOUNDATION
4201 WILSON BOULEVARD
ARLINGTON, VIRGINIA 22230



OFFICE OF THE
DIRECTOR

MEMORANDUM

DATE: June 2, 2010
TO: Deputy Assistant Director, Geosciences
Director, Office of Integrative Activities
FROM: Acting Director
SUBJECT: Delegation of Authority

Pursuant to the National Science Board Discussion at the November 1999 meeting concerning Board review and approval of awards and upon recommendation of the Director's Review Board, I hereby delegate to you the authority to proceed with the normal approval process for the item below:

Award Recommendation for Renewal of the Science and Technology Center: Center for Multi-Scale Modeling of Atmospheric Processes (CMMAP); Colorado State University, (not to exceed \$17,976,000; 60 months)

A handwritten signature in black ink that reads 'Cora B. Marrett'.

Cora B. Marrett

[Note: This document must be included in the official proposal jacket.]



Cindy Carrick
CSU A&S

Printed document with a grid of yellow and black lines.

CMMAP's seasonal cycle

January -- Away Team Meeting

January -- Meeting of JAMES Advisory Board

February -- Work on Annual Report begins

April 1 -- Annual Report due



Mid-March -- DISCCRS V

April -- Colorado Global Climate Conference

May- Normal NSF Site Visit

June 1 -- Interns arrive



Mid-June -- GHRM Workshop

July -- Teacher Training

July -- Graduate Student Colloquium

July -- Summer School on Atmospheric Modeling

August -- Fort Collins Team Meeting

August- EAP meeting

September -- STC Directors' Meeting

December -- Fall AGU

Brent Waugh

CMMAP's new Events Coordinator

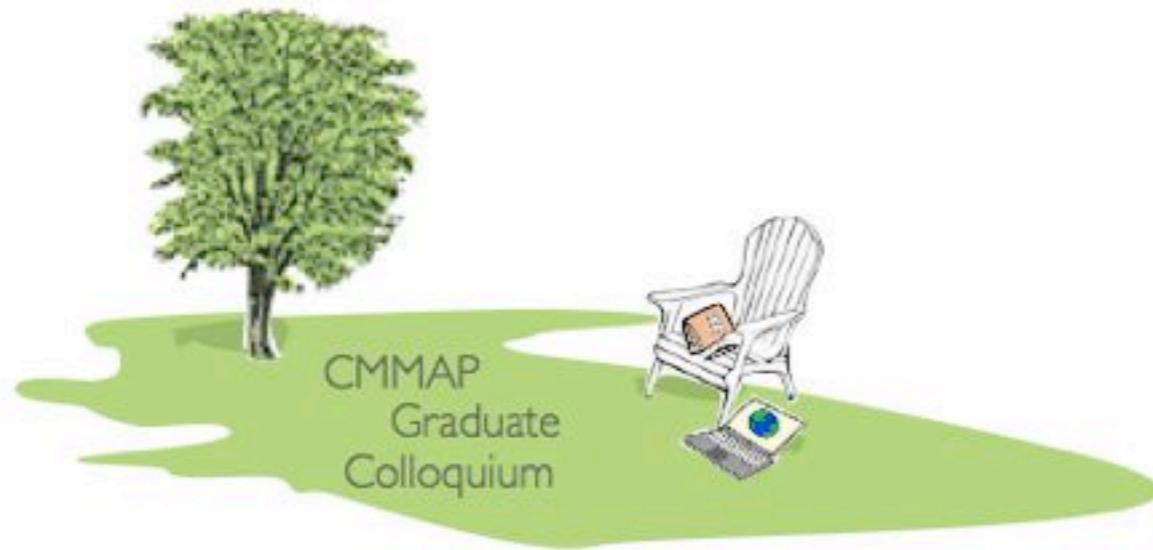


**Formerly Events and Media Relations Manager at
Big Brothers Big Sisters of East Tennessee**

AA receives the Bjerknes Medal



CMMAP 2010 Summer Graduate Colloquium



100 Views of Climate Change But Just One Clear Language

Survey

The Center for Multiscale Modeling of Atmospheric Processes hosted its fourth annual Graduate Colloquium July 27-30, 2010 in Fort Collins, Colorado.

Each day we

- considered one or two major areas of knowledge
- thought about what everybody ought to know from these areas
- thought about how best to give this information to nonspecialists
- considered the challenges in doing this task
- looked at some good examples (from live people, from videos, from journalism, and from the arts)
- experimented with practicing and inventing our own communication tactics
- worked on preparing our own short videos

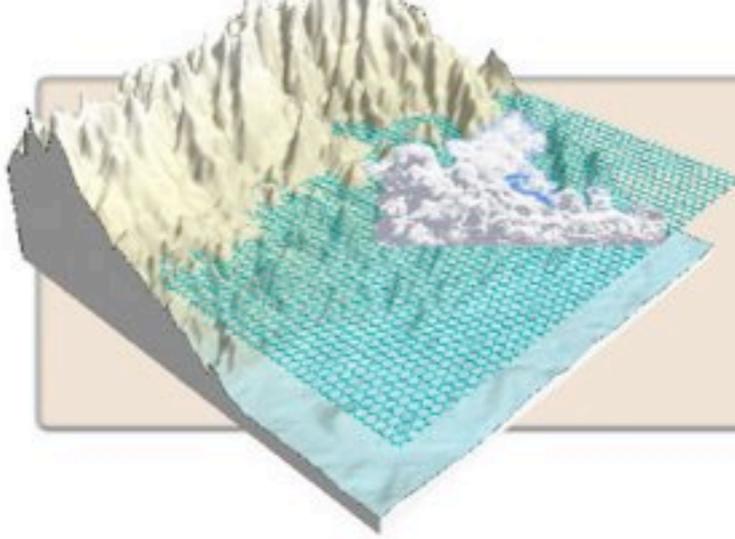
The agenda was roughly:

Tuesday: Climate and Atmospheric Science

Wednesday: Biology, Ecology, and Environmental Science

Thursday: Sociology, Psychology, and Ethics

Friday: Filming presentations.



Workshop on High-Resolution Global Modeling

June 15 - 17, 2010
Fort Collins, Colorado

The main focus of this workshop was very high-resolution or "cloud-system-resolving" global models, including models that use super-parameterizations. Papers on related topics, such as parameterizations for cloud-resolving models, were also welcome.

The Workshop was jointly organized by the [Center for Multiscale Modeling of Atmospheric Processes \(CMMAP\)](#), headquartered at Colorado State University, and the National Center for Atmospheric Research (NCAR) [Earth System Laboratory \(NESL\)](#) in Boulder, Colorado.

The Workshop was also supported by the DOE Office of Science, Scientific Discovery through Advanced Computing (SciDAC) program through the Earth System Modeling (ESM) program Office of Biological and Environmental Research (BER) and from Scientific Application Partnerships (SAP) program, Office of Advanced Scientific Computing Research (ASCR).

- [Meeting agenda](#)
- [Submitted abstracts](#)
- [Presentations](#)



DISCCRS V



DISCCRS V Symposium Scholars Saguaro Lake Ranch March 6-13, 2010

Colorado Global Climate Conference



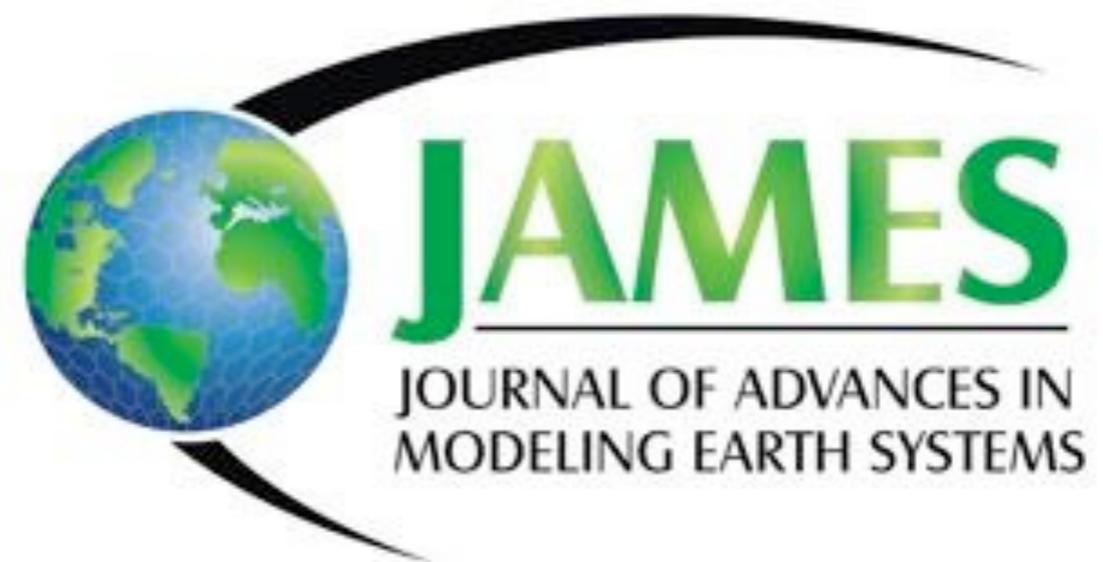
2010 Teacher Training



SSAM 2010

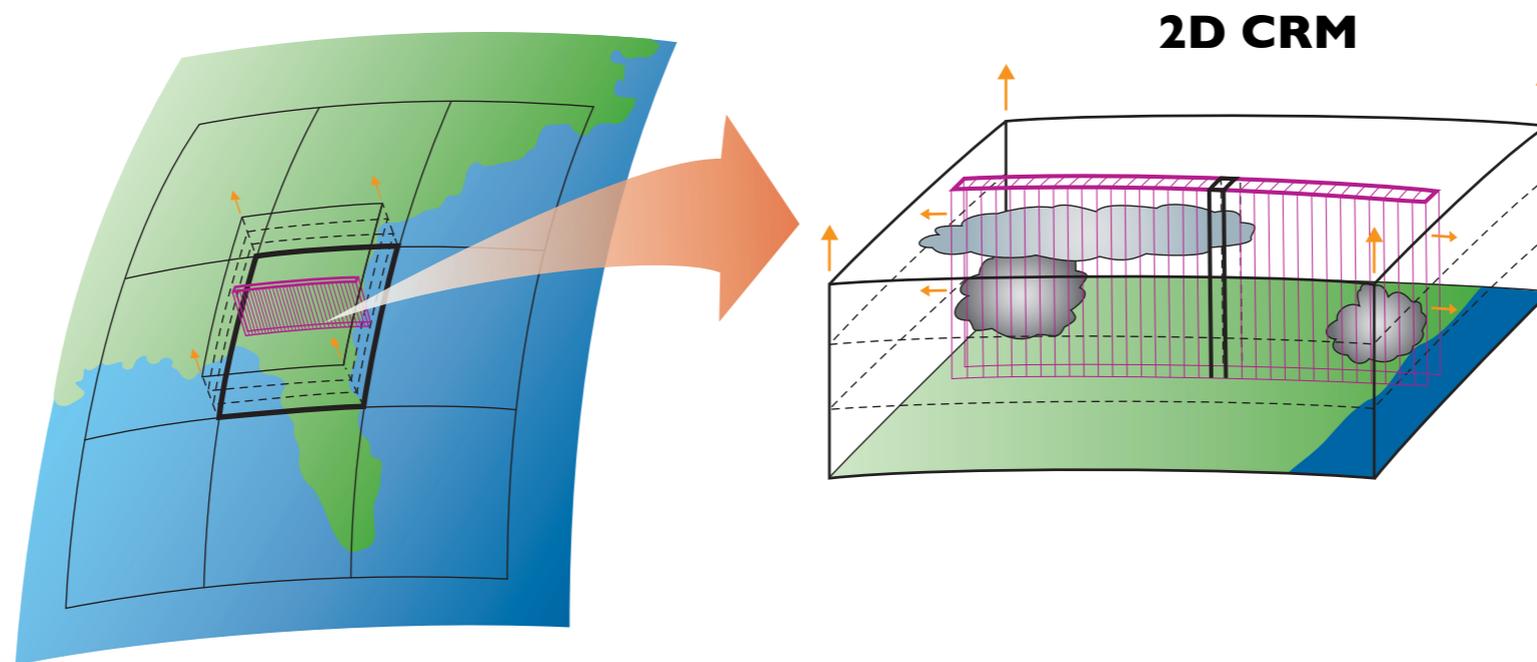


JAMES is becoming an AGU journal.



SP-CAM

The “super-parameterization” is being groomed as a supported CCSM option.



Climate change



Jim Hurrell



Ninth CMMAP Team Meeting, August 3-5, 2010

Tuesday, August 3, 2010		
8:30	David Randall	Opening remarks, Agenda, Logistics, and Updates
9:00	Jim Hurrell	Status of CESM: Model Releases and CMIP-5 Simulations
10:00	Break	
10:15	Howard Drossman	Assessment of a Constructivist-Motivated Mentoring Program to Enhance the Teaching Skills of Atmospheric Science Graduate Students
11:00	Marat & Hugh	MMF tests with two-moment microphysics
11:45	Lunch	
1:15		Breakout Session #1 (MJO and land surface)
3:15	Break	
3:30	Charlotte DeMott	Simulations of the Asian Monsoon
4:15	Raj Pandya	Ethics Discussion
5:00	Break	
5:30	Working dinner with presentation by Scott Denning: Visiting the Dark Side	

Ninth CMMAP Team Meeting, August 3-5, 2010

Wednesday, August 4, 2010		
8:30	Akio Arakawa	Toward unification of multiscale modeling of the atmosphere
9:15		Breakout Session #2 (KT and Physical Processes)
10:15		Break
10:30		Breakout Session #2 continues
11:30	Chin-Hoh Moeng	How do we handle the small stuff?
12:15		Lunch
1:45	Tak Yamaguchi	Tracking parcels that are entrained across cloud tops
2:15		Breakout Session #3 (ED and Dynamical Framework)
3:15		Break
3:30		Breakout Session #3 continues
4:30	Mary Ontiveros	The Alliance Schools Program
5:00		Break
5:30		Poster session with abundant hors d'oeuvres
7:30		Adjourn for the day

Ninth CMAP Team Meeting, August 3-5, 2010

Thursday, August 5, 2010		
8:30	Michelle Betsill and Linse Anderson	Navigating the Frontier: CMAP Scientists and the Science-Policy Interface
9:15		Breakout Session #4 (Cloud Feedback and Cyber-Infrastructure)
10:15		Break
10:30		Breakout Session #4 continues
11:30		Lunch
1:00		Reports from Breakout Sessions (10 mins each)
2:30	David Randall	Wrap-up
3:00		Meeting ends

Ninth CMMAP Team Meeting, August 3-5, 2010

List of Breakout Sessions:

Where	Breakout Session #1 Tuesday PM	Breakout Session #2 Wednesday AM	Breakout Session #3 Wednesday PM	Breakout Session #4 Thursday AM
Main Meeting Room	MJO	KT to NWP & Climate Centers	Education & Diversity	Low-Cloud Feedbacks
Breakout Room	Multiscale Land Surface Interactions	Physical Processes	Dynamical Framework	Cyber-infrastructure Working Group