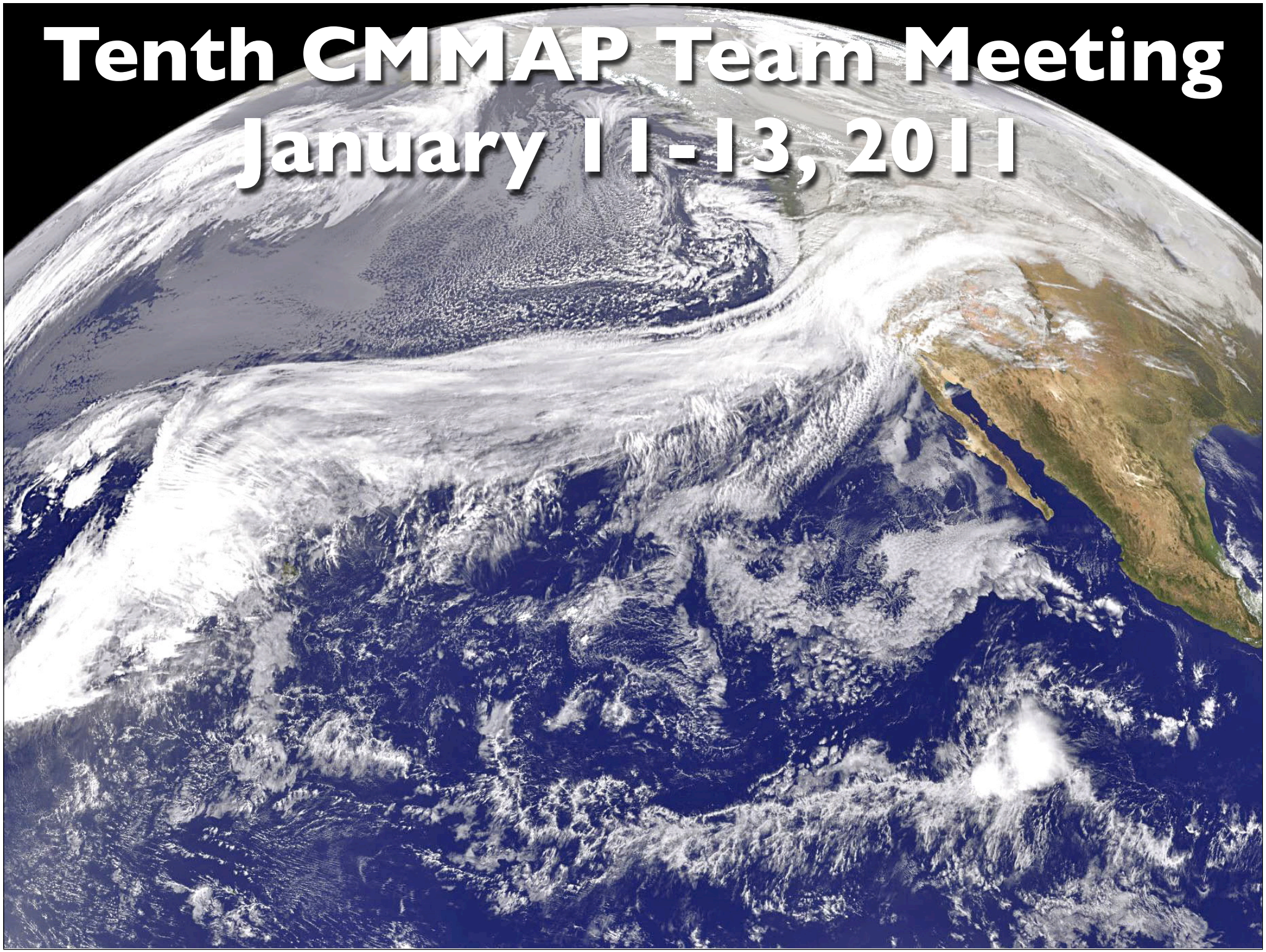
Tenth CMMAP Team Meeting
January 11-13, 2011



Connie Hale

Operations Manager

- **Budget Master, very knowledgeable about CSU and Federal rules and procedures.**
- **Single-handedly did whatever it took to keep CMMAP afloat for several months after Cindy left.**
  - **Orchestrated two hiring actions.**
  - **Finalized the budget.**
  - **Organized the summer team meeting, and also THIS meeting.**

Marcia Donnelson

Managing Director

- **Started with CMMAP in September 2010.**
- **Formerly a Research Development/ Grants Administration Specialist at *The Center for Children, Families, and the Law* at the University of Nebraska - Lincoln.**
- **Smart, experienced, and reliable.**

Claire Fleming

Events Coordinator

- **Formerly with the Wilderness Medicine Institute (WMI) of the National Outdoor Leadership School (NOLS) in Lander, Wyoming**
- **Bachelor of Science, Outdoor Education, with a Geological Sciences minor, 2004. Summa cum laude.**
- **A very good fit. *Lots* of potential.**

Other recent news

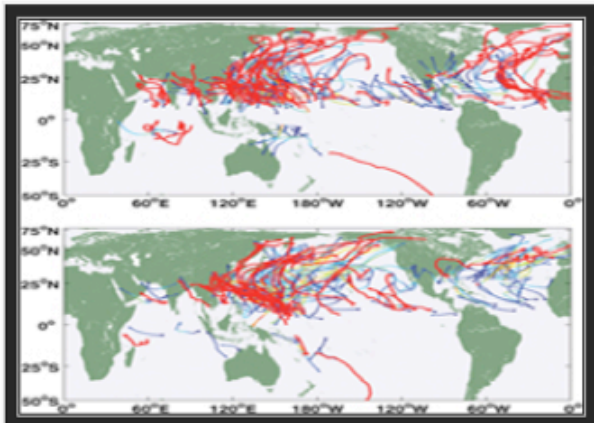
JAMES
JOURNAL OF ADVANCES IN MODELING EARTH SYSTEMS

Journal Details
- Home
- About
- Advisory Board
- Editors
- Submissions
- Papers in Press

Journal Resources
- AGU Journals
- Digital Library
- Author Resource Center
- Publication Statistics
- How to Cite
- Dynamic Content
- Journal Highlights

Join AGU

Slideshow | Most Popular | Just Published



Tropical Cyclone Tracks

Tracks of explicit and downscaled tropical cyclones.

Emanuel, K., K. Oouchi, M. Satoh, H. Tomita, and Y. Yamada (2010), Comparison of explicitly simulated and downscaled tropical cyclone activity in a high-resolution global climate model, *J. Adv. Model. Earth Syst.*, 2, 9 pp., doi:10.3894/JAMES.2010.2.9.

Slideshow

News and Info

JAMES: AGU's New Open Access Modeling Journal

The *Journal of Advances in Modeling Earth Systems* (*JAMES*), an all-unfettered-public-access journal, is now part of AGU's highly respected journal family. For the full story, read the *Eos* article [pdf].

The ***Journal of Advances in Modeling Earth Systems*** (*JAMES*) is an international, open-access, scientific journal for the publication of original and updated research. *JAMES* is the only journal devoted to modeling Earth systems. *JAMES* maintains high standards of formal peer review. *JAMES* is committed to removing publication barriers and offers high-quality publication services at minimal cost.

More about *JAMES*

Contact Editorial Office

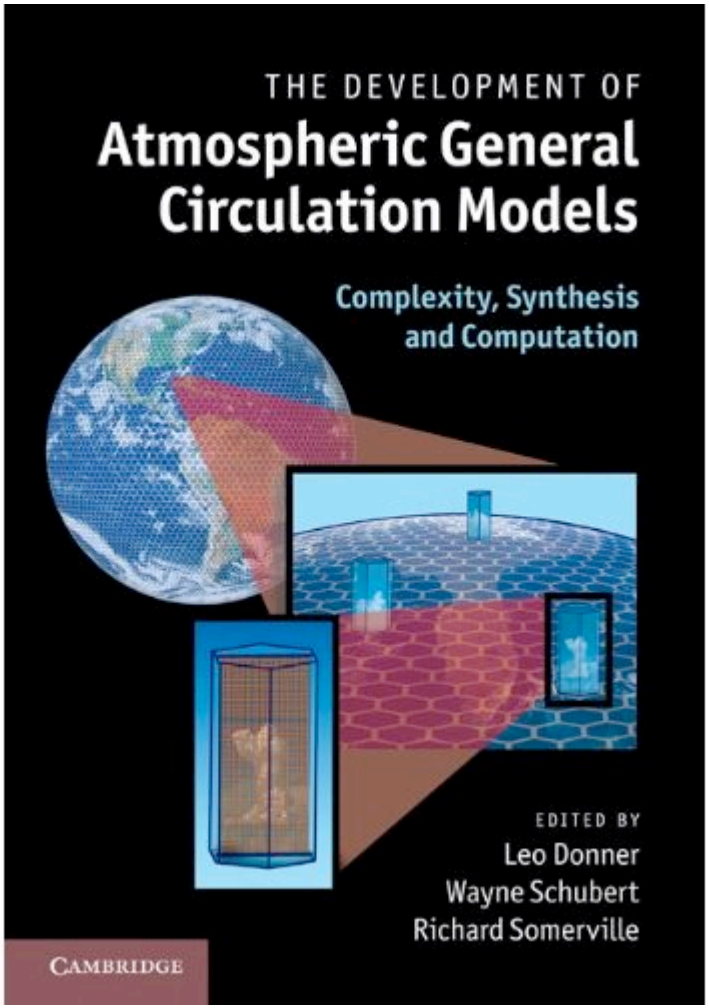
Browse Articles
- Recently published: last 7 days
- By year and month: 2011 Full year

Sorted by Date Submit

Journal Services
- E-Alert Sign-Up
- RSS Feeds
- Cited By
- Scitopia
- Reference Tools
- Contact AGU

Thanks, Rodger and Wayne.

The Book is finished.



Thanks to Leo, Wayne, Richard, and all the authors.

Education & Diversity Retreat Yesterday

The First Five Years

Vision, Mission, Goals, Objectives, Action Steps,...

Research

1. Extensions, evaluations, and applications of the prototype MMF.
2. Development of a second-generation MMF.
3. Development of improved parameterizations of microphysics for use in MMFs and GCRMs.
4. Development of improved parameterizations of turbulence for use in MMFs and GCRMs.
5. Test sensitivity of CSRMs to more detailed radiation calculations
6. Innovative analysis, evaluation, and interpretation of MMF results using emerging datasets.
7. Accelerating improvement of conventional parameterizations.
8. Optimal use of computational and data storage resources.

Education

1. Develop, implement, disseminate and evaluate improved Earth System Science curricula for middle and junior high schools
2. Improve teaching and learning of climate science at the high school level
3. Dissemination of CMMAP science to the broad public via the World Wide Web
4. Disseminate research results and explain climate science to stakeholders and policymakers
5. Improve undergraduate climate education
6. Enhance graduate education and research in climate science
7. Teach next generation of leading climate scientists to be better teachers.

Diversity

1. Recruit, retain, and matriculate a cadre of CMMAP Ph.D. students with gender and ethnic makeup representative of the US population.
2. Improve recruitment of underrepresented groups into Earth science at the undergraduate level.
3. Improve the retention of women in the science and engineering “pipeline” from middle school through graduate school.
4. Understand and explain persistent underrepresentation by women and ethnic minorities in science, evaluate solutions, and disseminate results nationally.

Knowledge Transfer

1. Provide to climate modeling centers improved tools for the simulation of global cloudiness, as well as innovative tools for the analysis of such simulations.
2. Provide improved cloud parameterizations to numerical weather prediction centers.
3. Create an edited book on the history of global atmospheric modeling.
4. Create a new all-electronic open-access journal for the publication of research on global environmental modeling, including a section of the new all-electronic journal for publication review article.
5. Create and maintain a website containing a section designed to make CMMAP results easily available to the scientific community, and a section designed to increase public understanding of issues in global climate modeling.

The Next Five Years

Vision, Mission, Goals, Objectives, Action Steps,...

Research

1. Further development of global models with diverse representations of cloud processes.
2. Further development and testing of improved parameterizations of microphysics, turbulence, and radiation.
3. Application of CMMAP models to study multiscale interactions of the atmosphere and land-surface.
4. Application of CMMAP models to study the coupled climate system.
5. Community-based evaluation of results produced by CMMAP models, through the use of diverse observations.
6. Management, analysis and visualization of very large model output datasets -- creation of infrastructure.

Education

1. Enhance K-12 science education.
2. Improve undergraduate climate education
3. Train the next generation of climate scientists.
4. Engage the larger culture regarding climate.

Diversity

1. Recruit and support undergraduate and graduate students from underrepresented groups.
2. Implementprogramsthatencourageretention of women, minorities and the underrepresented in the science pipeline.
3. Study diversity problems and solutions, and disseminate results.
4. Engage diverse communities in conversations about climate.

Knowledge Transfer

1. Collaborate with CCSM on climate change simulations.
2. Collaborate on global atmospheric model development.
3. Create a national training resource for global modelers.
4. Foster *JAMES*, and wean it from CMMAP.
5. Create an online magazine for public outreach.

Reporting Season is Upon Us.

- **You will be contacted soon for your input.**
- **We are going to finish the report earlier this year.**
- **Good news: NSF will not do a site visit every year during CMMAP's second five years.**

Jay Fein

Tenth CMMAP Team Meeting, January 11-13, 2011

Tuesday, January 11, 2011		
8:30	David Randall	Opening remarks, Agenda, Logistics, and Updates
9:00	Francesca Verdier	NERSC Overview
9:45	Chris Bretherton	Stratocumulus clouds, slow manifolds and multiple equilibria
10:15	Break	
10:30	Brian Jones	Size Matters: Where does the concept of scale apply in the world, and how can we best share this concept with students and the public? - Brainstorm Session
11:15	Inez Fung	Joint Analysis of Meteorology and CO_2 in an Ensemble Assimilation System
12:00	Lunch	
1:30		Breakout Session #1 (MJO and land surface)
3:30	Break	
3:45	Greg Elsaesser	A Comparison of Shallow, Congestus and Deep Convection Regimes using the MMF and TRMM Precipitation Radar Observations
4:30	Scott Denning & Mike Pritchard	Colorado Governor's Meeting - Climate Change - Green Government - Update on new and upcoming proposals Mike Pritchard - Grad Student Council
5:15	Break	
6:30	Dinner at the UC Berkeley Faculty Club - Kathleen Dean Moore Climate Ethics: What Do We Owe the Future?	

Tenth CMMAP Team Meeting, January 11-13, 2011

Wednesday, January 12, 2011		
8:30	Bill Collins	Chemical Transport in the MMF: Tests and Implications for Climate
9:15		Breakout Session #2 (KT and Physical Processes)
10:15	Break	
10:30		Breakout Session #2 continues
11:30	Susan Foster	Current and emerging CMMAP K-12 and public outreach resources from UCAR
12:15	Lunch	
1:45	Peter Bogenschutz	Improving Turbulence and Cloud Representation in CRMs and the MMF... Without Breaking the Bank
2:30		Breakout Session #3 (ED and Dynamical Framework)
3:15	Break	
3:30		Breakout Session #3 continues
4:30	Scott Denning	The Tropical Terrestrial Tipping Point: Stress vs Resilience
5:15	Adjourn for the day - On Your Own	

Tenth CMMAP Team Meeting, January 11-13, 2011

Thursday, January 13, 2011		
8:30	Eric Maloney	New Insights on the Madden-Julian Oscillation from Models, and a Preview of the Upcoming DYNAMO Field Campaign
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	

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

Francesca Verdier

Head of the Services Department at NERSC