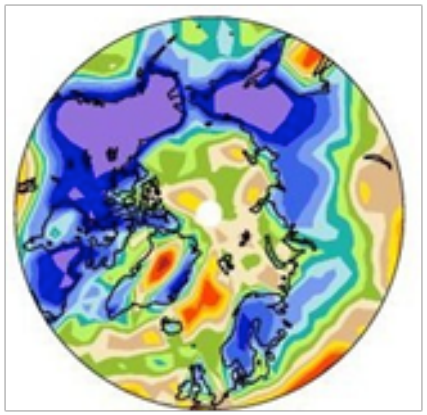


# Community Atmosphere Model Tutorial 2009: Introduction

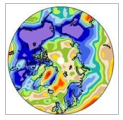

Andrew Gettelman

Atmospheric Modeling and Predictability Section

Climate and Global Dynamics Division

Earth and Sun Systems Laboratory

National Center for Atmospheric Research

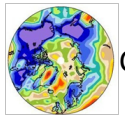
NSF

Office of Science
U.S. DEPARTMENT OF ENERGY

NCAR
NATIONAL CENTER FOR ATMOSPHERIC RESEARCH

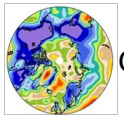
# Overview

- Welcome!
- Who we are
- Thanks
- Logistics/Schedule
  - Practicals
  - Transport
  - Food & Lunch
- Purpose/Goals



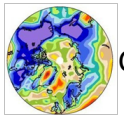
# Welcome to NCAR

- National Center for Atmospheric Research
  Sponsored by the National Science Foundation
- 3 Campuses in Boulder + Airport Facility
- Several hundred scientists
- Sun to earth, oceans
- This building: built in 1960's, IM Pei architect



# Who are we: AMP+

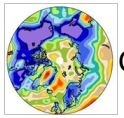
- Primarily responsible for Atmospheric Modeling & Analysis
- Also traditionally been the 'home' and interface for the Atmospheric Model Working Group (AMWG) of CCSM
- Lecturers drawn from AMP and across CGD, plus guests
- Practicals taught by AMP group members



# Thanks!

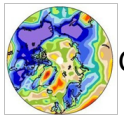
- Logistics: Christina Book & Carol Wimert
- Funding: Jay Fein (NSF) & Anjuli Bamzai (DOE)
- Computers: CISL Support & CGD IS Group
- Speakers & AMP Group
- Students: You (for attending)



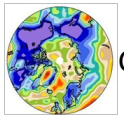
# Logistics

- Lectures here
  - Agendas have been distributed
- Practicals: Damon Room (2nd floor)
  - Starting after lunch
- Note: if you are attending the practical and do not now have a CRYPTOcard in your possession: Please see Carol Wimert ASAP!
  - Needed to access computers!



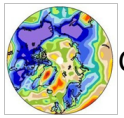
# Logistics (2)

- Breaks outside
- Lunch in the cafeteria
- Reception tomorrow (Tue) 5pm: Damon Room
- Note: NCAR Recycling
  - All plastic cups & silverware are compostable!



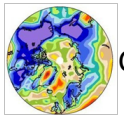
# Transport Logistics

- For those at the Golden Buff: Bus
  - Bus departs 8a. Returns 5:30p except tue 6:30
  - No bus Friday pm
- NCAR shuttle to 29th street
  - Across the street from the Golden Buff: 28th & Canyon, in parking lot in front of bldg
  - Shuttle schedule (to 29$^{th}$ Street):
    - To NCAR: 7:13, 7:43, 8:13, 8:43, 11:43, 12:08, 12:38
    - From NCAR: 4:05, 4:35, 5:05, 5:35, 6:05



# Wireless access

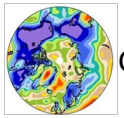
- Be considerate: try to limit email use
- UCAR (not UCAR VPN) network
- Point browser to:
  - http://www.wireless.ucar.edu
- Login: tutorial
- Password: ccsm
  - Keep the window active (can be minimized)



# Other Issues?

# Purpose of Tutorial

- Opportunity to Learn to run, modify CAM and CCSM
- Focus on CAM this year
- This is a test: we have not done this before
- So we may be rough around the edges
- Would like feedback on this course
  - Will send an email requesting replies and have time for this on Friday



# Overview of Talks

1. Overview (Joe Tribbia)
2. Atmospheric Dynamics (Peter Lauritzen)
3. Physics Overview (Andrew Gettelman)
4. Atmospheric Boundary Layer and cloud macrophysics (Sungsu Park)
5. Cloud Microphysics and aerosols (Andrew Gettelman)
6. Radiation (Bill Collins)
7. Cumulus Parameterization (Joao Teixeira)
8. Momentum transport and gravity waves (Joe Tribbia)
9. Atmospheric Chemistry (Jean-Francois Lamarque)
10. Intro to coupled system (Jeff Kiehl)
11. Land (Sam Levis)
12. Ocean (Peter Gent)
13. Sea Ice (David Bailey)