



Climate Feedbacks and Future Remote Sensing Observations



KISS Study

September 2009

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and

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Climate Feedbacks and Future Remote Sensing Observations

The main goals of this Mini-Program are:

- To bring together scientists from different branches of the climate community (theory, models, observations) to address key problems in the physics of climate feedbacks
- To promote the use of remote sensing observations in the climate physics and climate modeling community
- To provide guidance on future research and future missions regarding the physics of climate feedbacks



Climate Feedbacks and Future Remote Sensing Observations

- First Week – Water Vapor Feedbacks **OR**
- Deep Tropospheric Processes
- Second Week – Cloud Climate Feedbacks **OR**
- Cloudy Boundary Layer

- **It's about the physics: Theory, models and future observations**



Climate Feedbacks - Agenda

Workshop Schedule

WATER VAPOR FEEDBACK WEEK

Tuesday, September 1, 2009

8:00 - 8:45	Coffee outside Lauritsen Building around the oak tree (Study location: Lauritsen 269)
8:45 - 9:00	KISS Logistics - Michele Judd (KISS)
9:00 - 9:15	KISS Welcome - Tom Prince (KISS)
9:15 - 9:30	Study Overview - Joao Teixeira (JPL) / Yuk Yung (Caltech)
9:30 - 10:00	Andrew Dessler (Texas A&M University)
10:00 - 10:30	Andrew Gettelman (National Center for Atmospheric Research)
10:30 - 11:00	Break outside Lauritsen Building around the oak tree
11:00 - 11:30	Phil J. Rasch (Pacific Northwest National Laboratory)
11:30 - 12:00	Ben Santer (Lawrence Livermore National Lab)
12:00 - 1:30	KISS Lunch at Athenaeum
1:30 - 2:00	Darryn W. Waugh (Johns Hopkins University)
2:00 - 2:30	Olivier Pauluis (New York University)

2:30 - 3:00	Tapio Schneider (Caltech)
3:00 - 3:45	Break outside Lauritsen Building around the oak tree
3:45 - 4:00	Breakout Session Kick-off
4:00 - 5:30	Breakouts
5:30 - 6:00	Break
6:00 - 7:30	KISS Reception outside Lauritsen Building around the oak tree

Wednesday, September 2, 2009

8:00 - 9:00	Coffee outside Lauritsen Building around the oak tree (Study location: Lauritsen 269)
9:00 - 9:30	Brian E Mapes (University of Miami)
9:30 - 10:00	David Neelin (UCLA)
10:00 - 10:30	David Noone (University of Colorado)
10:30 - 11:00	Break outside Lauritsen Building around the oak tree
11:00 - 11:30	John R. Worden (JPL) / Kevin Bowman (JPL)
11:30 - 12:00	Eric J. Fetzer (JPL)
12:00 - 1:30	Lunch
1:30 - 3:00	Breakouts
3:00 - 4:00	Break outside Lauritsen Building around the oak tree

4:00 - 6:00	Informal discussions
6:00 - 7:30	KISS Dinner at the Athenaeum Lawn

Thursday, September 3, 2009

8:30 - 9:00	Coffee outside Lauritsen Building around the oak tree (Study location: Lauritsen 269)
9:00 - 10:30	Presentations from breakouts
10:30 - 11:00	Break outside Lauritsen Building around the oak tree
11:00 - 12:00	Plenary discussion
12:00 - 1:00	Pizza/sodas in the Cahill Building Patio
1:00	Ben Santer (Lawrence Livermore National Lab) - "The MSU Debate, Climate Auditing, and the Freedom of Information Act" - in Hameetman Auditorium in the Cahill Building



Climate Feedbacks - Breakouts

Guiding questions for each of the breakout working groups:

- What are the key theoretical questions and what observations are necessary to address them?
- What are the key modeling problems and what observations are necessary to address them?
- How good are current observational datasets and what new observations are necessary?