

CESM Whole Atmosphere Working Group Meeting

17 – 18 February 2015

Mesa Lab – National Center for Atmospheric Research
Boulder, Colorado

Webcast Instructions:

AUDIO: Dial this access number: 1-866-740-1260 – Enter access code **8531794**

VIDEO: Go to www.readytalk.com; under "join a meeting" enter access code **8531794**

TUESDAY, 17 February – Damon Room

Science Talks

1:00	Welcome, introductions, and logistics	Co-chairs
1:20	Composition and physical properties of the Asian Tropopause Aerosol Layer and the North American Tropopause Aerosol Layer	Pengfei Yu
1:40	Quantifying isentropic stratosphere-troposphere exchange (STE) of ozone	Huang (Caesar) Yang
2:00	Geoengineering efficacy of sulfur injections in the upper troposphere versus the lower stratosphere	Jason English
2:20	Polar stratospheric clouds representation and results in SD-WACCM/MERRA: Implications for CCMs	Doug Kinnison
2:40	The microphysical simulation of polar stratospheric clouds based on SD-WACCM/CARMA model over 2010-2011 winter	Yunqian Zhu
3:00	<i>Break</i>	
3:30	Representing the missing gravity wave forcing in the SH winter stratosphere	Anne Smith
3:50	Mesospheric polar vortices in SD-WACCM	Lynn Harvey
4:10	Mesospheric inversion layers in FR-WACCM	Jeff France
4:30	Traveling planetary-waves in the thermosphere during solar minimum and solar maximum conditions	Fabrizio Sassi
4:50	WACCM and NSF Sun-to-Ice: In search of paleoclimate proxies for solar proton events	Katharine Duderstadt
5:10	<i>Adjourn</i>	

WEDNESDAY, 18 February – Damon Room

WACCM-X

8:30	<i>Coffee</i>	
9:00	WACCMX development status	Joe McInerney
9:20	Thermosphere trend analysis using WACCM-X	Liyang Qian
9:40	WACCMX-Plamasphere / dynamo coupling	Ben Foster

Status and Development

10:00	WACCM development plans and priorities	Andrew Gettelman
10:15	Discussion	
10:30	<i>Break</i>	

Joint Session with Chemistry Climate Working Group

11:00	Discussion of CESM2 development and CMIP6	
12:00	<i>Lunch (on your own)</i>	

WEDNESDAY, 18 February – Main Seminar Room

>>>> **Webcast:** www.fin.ucar.edu/it/mms/ml-live.htm <<<<

Joint Session: Chemistry Climate, Whole Atmosphere, and Atmosphere Model Working Groups

1:00	Understanding the importance of chemistry representation in CESM1-CAM5	Simone Tilmes
1:20	Radiative forcings of wildfire aerosols estimated with CAM5	Xiaohong Liu
1:40	Prognostic stratospheric aerosols in CESM	Mike Mills
2:00	A multi-model analysis of aerosol effects on clouds simulated by global climate models	Steve Ghan
2:20	Effects of increased model lid on the atmosphere simulation in CAM5	Yaga Richter
2:40	On the calculation of insolation in the CESM: A small surprise	Linjiong Zhou
3:00	<i>Break</i>	
3:30	CAM-SE dynamics update: Physics grid, tracers, ...	Peter Lauritzen
3:50	Overview of the DOE-ACME project	Peter Caldwell
4:10	CESM workflow plans	Alice Bertini & Sheri Mickelson
4:30	Discussion	
5:00	<i>Working Group Information Exchange (ML Cafeteria)</i>	