

CESM Whole Atmosphere Working Group Meeting

11 – 12 February 2013

Mesa Lab, Damon Room

National Center for Atmospheric Research – Boulder, Colorado

MONDAY, 11 February

- 8:30 [Co-chairs – Welcome / Updates](#)
- 8:45 [Nick Pedatella](#) – Data assimilation in the Whole Atmosphere Community Climate Model
- 9:00 [Fabrizio Sassi](#) – The lower thermosphere during the Northern Hemisphere winter of 2009
- 9:15 [Valery Yudin](#) – Upper atmosphere dynamics of WACCM-X constrained by MERRA
- 9:30 [Hanli Liu](#) – Upper atmosphere day-to-day variability
- 10:15 [Andreas Baumgaertner](#) – Towards a comprehensive Global Electric Circuit model: Conductivity and its variability in WACCM model simulations
- 10:30 [Stan Solomon](#) – Ionosphere module development
- 10:45 [Doug Kinnison](#) – Chemistry updates for CCM1
- 11:00 [Bo Tan](#) – Effects of inertial gravity wave forcing on the stratospheric polar region and cold pole bias of general circulation models
- 11:15 [Lynn Harvey](#) – WACCM Studies at CU / LASP

Joint Session: AMWG / WAWG – Main Seminar Room

- 1:15 Co-chairs – Welcome / Updates
- 1:30 [Mike Mills](#) – Navigating CAM5 physics in WACCM
- 1:45 [Christoph Erath](#) – New Finite Volume semi-Lagrangian based tracer transport schemes for Community Atmospheric Model (CAM-SE) – Performance and scalability with a focus on Yellowstone
- 2:00 [Peter Caldwell](#) – Impact of numeric choices on CAM5 climate
- 2:15 [Charles Jackson](#) – Metrics for model selection and uncertainty quantification
- 2:30 [Steve Ghan](#) – Nudging as a testbed for atmospheric physics
- 3:15 [Trond Iversen](#) – About NorESM, a model based on CCSM4, but with significant amendments
- 3:30 [Jason English](#) – Microphysical simulations of large volcanic eruptions: Pinatubo and Toba
- 3:45 [Juan Fontela](#) – Solar Spectral Irradiance effects on tropospheric regional climate? WACCM4 preliminary results, ENSO, and volcano issues
- 4:00 [Dan Marsh](#) – Downward coupling
- 4:15 [Curt Covey](#) – Atmospheric tides in WACCM and the latest (CMIP5) generation of climate GCMs

TUESDAY, 12 February

Joint Session - Main Seminar Room

- 1:15 [AMWG co-chair update](#)
- 1:30 [PCWG co-chair update](#)
- 1:45 [WAWG co-chair update](#)
- 2:00 [CCWG co-chair update](#)
- 2:15 [Mariana Vertenstein](#) – Yellowstone update
- 2:30 Lorenzo Polvani – Stratospheric ozone and Antarctic sea ice trends