CESM Whole Atmosphere Working Group Meeting
1 February 2012
Mesa Lab, Main Seminar Room
National Center for Atmospheric Research – Boulder, Colorado

8:15 Hanli Liu – Welcome and status of WACCM
8:30 Stan Solomon – Sun to ice: Impacts on Earth of extreme solar events
8:45 Art Richmond – Electrical connections and consequences within the Earth system
9:00 Nick Pedatella – The atmospheric lunar tide simulated in the WACCM
9:15 Rolando Garcia – SSW and blocking
9:30 Cora Randall – WACCM studies of polar middle atmosphere
9:45 Katelynn Greer – Observations and modeling climatology of polar wintertime middle atmosphere disturbances
10:00 Doug Kinnison – Stratospheric heterogeneous processes using SD WACCM4
10:45 Aimee Merkel – Impact of solar spectral variability on middle atmospheric constituents
11:15 Mike Mills – Nuclear winter simulations with CESM-WACCM/CARMA
11:30 Jason English – Stratospheric sulfur geoengineering using WACCM/CARMA: Particle size and tropospheric burdens

Joint Session: AWMG / WAWG
1:00 Co-chairs – Welcome and logistics
1:10 Dan Marsh – Comparing WACCM/CCSM4 20th century simulations
1:30 Hanli Liu – Evaluation of an internally generated Quasi Biennial Oscillation in WACCM
1:50 Chuck Bardeen – Cirrus simulations using sectional microphysics (CAM/CARMA)
2:05 Bo Tan – New parameterization for correcting the "Cold Pole" problem
2:20 Chihoko Yamashita – Gravity waves and high-resolution modeling (using T799 ECMWF)
2:35 Simone Tilmes – The impact of climate engineering on temperatures and precipitation using an idealized solar dimming experiment
3:10 Charles Jackson – Control climate impacts and the response to greenhouse gas forcings: Small differences, big impacts
3:30 Rich Loft – NCAR computing outlook: Yellowstone and beyond
3:50 Mariana Vertenstein – New component grid capability in CESM
4:10 Peter Lauritzen – Transport schemes and orography datasets in CAM