THURSDAY, 19 February:

8:00  Continental Breakfast

8:30 – 8:40  Elizabeth Hunke – Welcome

8:40 – 9:00  Marika Holland, NCAR – An Update on Progress Towards CCSM4

**Land and Ice Sheets**

9:00 – 9:30  Dave Lawrence, NCAR – “The Contribution of Snow Condition Trends to Future Ground Climate”

9:30 – 10:00  Joel Rowland, LANL – “Arctic River Mobility in Response to Climate Change and its Implications for Floodplain Dynamics and Hydrology”

10:00 – 10:15  Break

10:15 – 10:45  Bill Lipscomb, LANL – “Ice Sheets in CCSM4”

**Ocean**

10:45 – 11:15  Beth Wingate, LANL – “A New Theoretical Result for Slow Dynamics at High Latitudes and its Implication”

11:15 – 11:30  Discussion

11:30 – 1:30  Lunch

**Atmosphere**

1:30 – 2:00  Steve Vavrus, University of Wisconsin, Madison – “The Role of Arctic Clouds during Intervals of Rapid Sea Ice Loss”

2:00 – 2:30  Gijs de Boer, University of Wisconsin, Madison – “Arctic Mixed-phase Clouds: Observations and Modeling Challenges”

2:30 – 3:00  Ed Andreas, Northwest Research Associates – “The SHEBA Bulk Turbulent Flux Algorithm”

3:00 – 3:15  Break

Sea Ice
3:45 – 4:15 Ben Blazey, University of Colorado – “Sea Ice Sensitivity to Initial Conditions, Atmospheric Forcing, and Precipitation in CSIM”
4:15 Discussion

FRIDAY, 20 February
8:00 Continental Breakfast

Sea Ice (continued)
8:30 – 9:00 Eric DeWeaver, University of Wisconsin, Madison – “Reemergence of Sea Ice Cover Anomalies and the Role of the Sea Ice-albedo Feedback in CCSM Simulations”
9:00 – 9:30 Marika Holland, NCAR – “Using CCSM3 to Assess Predictability of Arctic Sea Ice”
9:30 – 10:00 Kyle Armour, University of Washington – “A Simple Model for Arctic Sea Ice: Variability and Trends in the September Minimum Ice Extent”
10:00 – 10:15 Break
10:45 – 11:15 Cecilia Bitz, University of Washington – “Towards a Prognostic Salinity Model in CICE for Biogeochemistry in CCSM”
11:15 – 11:30 Discussion
11:30 – 1:30 Lunch

Biogeochemistry
1:30 – 2:00 Clara Deal, University of Alaska, Fairbanks – “A Brief Introduction of the DOE EPSCoR Project: Influence of Sea Ice on Arctic Marine Sulfur Biogeochemistry in CCSM”
2:00 – 2:30 Scott Elliott, LANL – “Arctic Validation of Several Algal Biogeochemistry Models Run in Stand-alone CICE”
2:30 – 2:45 Break
2:45 – 3:15 Nicole Jeffery, LANL – “Modeling Ice Algae using Sea Ice Microstructure”
3:45 Discussion / Adjourn