Potential papers for a J Climate Special Collection on CCSM4

Deadline for posting on the collective web site is March 31, 2011.
Submission deadline to J Climate is 1 May 2011.

1. *The Community Climate System Model version 4* Gent, Danabasoglu, Donner, Holland, Hunke, Jayne, Lawrence, Neale, Rasch, Vertenstein, Worley, Yang and Zhang

2. *The Climate Sensitivity of the CCSM4* Bitz, Bailey, Gent, Kiehl, ...

AMWG

3. *The mean atmospheric climate of the Community Atmosphere Model version 4 (CAM4) in forced SST and coupled experiments* Neale, Richter, Hannay, Rasch, Gettleman, Williamson, Caron, G. Zhang, Wu, Eaton, ...

4. *Response of tropical variability to deep convection changes in CAM4* Neale, Caron, C. Zhang, Coleman, Richter, G. Zhang, Wu, ...

5. *Climate simulations using the High Order Method Modeling Environment (HOMME) dynamical core in CAM4* Taylor, Lauritzen, Tribbia, CISL, Neale, ...

6. *Addressing climate problems utilizing the Data Assimilation Research Testbed (DART) in CAM* Anderson, Raeder, Lauritzen, Kay, ...

Ocean WG

7. *The CCSM4 Ocean component* Danabasoglu, Bates, Briegleb, Jayne, Jochum, Large, Peacock, Yeager

8. *Seasonal - interannual variability in air-sea fluxes and upper-ocean* Bates, Fox-Kemper, Jayne, Large, Stevenson, Yeager


Land WG

   Lawrence, D.M., K.W. Oleson, M.G. Flanner, C.G. Fletcher, P.J. Lawrence, S. Levis, S.C. Swenson, G.B. Bonan

12. *The biophysical impacts of landcover and land use change over 20th and 21st centuries*
   Lawrence P, Feddema, Bonan, Oleson, Lawrence D, …

13. *Land-atmosphere interactions across several generations of CAM/CLM*
   Lawrence D, Neale, Oleson, …

14. *Urban climate in the 21st century*
   Oleson, Bonan, Feddema, …

Polar Climate WG

15. *The influence of new sea ice radiation physics and associated capabilities in CCSM4*
   Holland, Bailey, Briegleb, Hunke, Light

16. *The Arctic atmospheric simulation of CCSM4*
   de Boer, Chapman, Kay, Vavrus, Walsh

17. *Arctic sea ice in CCSM4*
   Jahn, Bailey, Bitz, Blazey, Herzfeld, Holland, Hunke, Lipscomb, Maslanik

18. *20th/21st century Arctic climate change in CCSM4*
   Vavrus, Bailey, Blazey, Holland, Jahn, Kay, Maslanik

19. *Antarctic sea ice variability and change in CCSM4*
   Holland, Hunke, Landrum, Schneider

Climate Change WG

20. *Climate change over the 21st Century using the CCSM4*
   Meehl, members of CCWG

21. *21st Century climate projections over the North America in CCSM4*
   Peacock, Deser, …

22. *The monsoons in CCSM4*
   Meehl, Cook …
Climate Variability WG

23. Extra-tropical modes of variability in the ocean and atmosphere (NAO, PDO, AMO, etc)
   Hurrell, Deser, Phillips

24. Tropical/subtropical Atlantic climate and variability
   Ernesto Munoz, Hecht Weiher, Bates, Grodsky, Okumura?

25. Assessing the realism of local and remote feedbacks on tropical SSTs in CCSM4
   Sardeshmukh, Sang-Ik Shin, and Kathy Pegin (NOAA), Sungsu Park?, Clara Deser?

26. ENSO and its Pacific decadal variability
   Deser, Yuko Okumura, Michael Alexander, Capotondi, Kwon, Stevenson, Jochum, Neale

27. Changes to ENSO in a warmer model world
   Stevenson, Fox-Kemper, Jochum, Neale, Deser, Meehl

28. The MJO in CCSM4
   Subranamiam (Scripps), Jochum, Neale

Paleo

29. Low resolution CCSM4
   Jochum, Bailey, Briegleb, Danabasoglu, Kiehl, Lawrence, Neale, Shields, Yeager

30. Last Millennium Climate and Variability in CCSM4
    Landrum, Otto-Bliesner, Rosenbloom, Mai, Brady

31. Sensitivity of CCSM4 to Last Glacial Maximum conditions
    Brady, Otto-Bliesner, ...

32. Glacial Inception
    Jochum, Peacock, Otto-Bliesner

Decadal Predictions

33. DART initial conditions for forecasts using the CCSM4
    Yeager, Anderson, Collins, Danabasoglu, Hoar, Tribbia

34. Decadal forecasts using the CCSM4
    Tribbia, Danabasoglu, Gent, Hurrell, Phillips, Tang, Yeager