

Update of Activities and Plans

Climate Variability and Change Working Group

9 February 2015

www2.cesm.ucar.edu/working-groups/cvcwg

Recently completed runs

- CESM 1° 30 (+5) member RCP8.5 ensemble 1920-2100
(*Kay, Deser et al., BAMS in press*)
- CESM and CAM5 1° control runs (~ 1500 years each)
www2.cesm.ucar.edu/models/experiments/LENS
- CESM 1° 15-member RCP4.5 ensemble 1920-2100
- CESM 1° single-forcing runs
- CESM 1° 7 Tropical Pacific “pacemaker” runs (1920-2012) (SST anomalies >> observations)

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Current runs

- CAM5 $\frac{1}{4}$ ° AMIP time-slice runs (20th C and RCP8.5)
- “All-but-one” single forcing runs
- North Atlantic “Pacemaker” runs
- CAM5-SOM 1° control run (~1000 years)
- CAM5 1° TOGA/GOGA 10-member AMIP 1920-present

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Climate Variability Diagnostics Package

www2.cesm.ucar.edu/working-groups/cvcwg/cvdp

Phillips, Deser and Fasullo, EOS 9 Dec 2014

- ENSO, PDO, AMO, NAM/SAM, NAO, PSA ...
- New AMOC diagnostics
- Output available for nearly all CMIP3 and CMIP5 runs (see “Data Repository”)