

experiments.html

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
<head>
<meta http-equiv="Content-Type"
content="text/html; charset=iso-8859-1">
<meta name="GENERATOR" content="Microsoft FrontPage 5.0">
<title>IPCC Standard Output</title>
<style>
<!--
div.Section1
```

Unknown macro: {page}

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span.GramE
{}
-->
</style>
</head>
<body bgcolor="#ffffff">
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Unknown macro: {center}

IPCC Standard Output from Coupled Ocean-Atmosphere GCMs, PCM/CCSM case name correspondences

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```
<p class="MsoNormal" style="text-align: center;" align="center"><b>For
further information contact:
<a href="mailto:taylor13@llnl.gov"
style="text-decoration: underline;">taylor13@llnl.gov</a></b></p>
```

Unknown macro: {center}

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<center>
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</center>
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The following table indicates for each IPCC simulation the years for which output should be submitted to the PCMDI archive.

Table of Experiments.

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<tbody>
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Unknown macro: {tr}

Unknown macro: {th}

Unknown macro: {th}

Experiment Name

Unknown macro: {th}

Monthly

Data (submit for each member of ensemble) /span>

Unknown macro: {th}

Daily

Data (temperature and precipitation data should be submitted for each member of ensemble, but all other fields should be submitted for only a single ensemble member) /span>

Unknown macro: {th}

3-Hourly

Data (submit for single ensemble member) /span>

Unknown macro: {th}

Notes

Unknown macro: {tr}

Unknown macro: {td}

1

Unknown macro: {td}

present-day control experiment

Unknown macro: {td}

B05.02<br style="color: rgb(0, 255, 0);">B06.18<br style="color: rgb(0, 255, 0);">B06.38B06.62B07.44

Unknown macro: {td}

b30.020

Unknown macro: {td}

req:>
100 years (~500 years)
PCM: 0100-0600
CCSM: up to BK

Unknown macro: {td}

req: 40 years that can best be compared to years 1961-2000 of the 20C3M expt.
PCM: ?
CCSM: up to BK

Unknown macro: {td}

req:last year
PCM: n/a
CCSM: 000

Unknown macro: {td}

Notes

Unknown macro: {td}

Unknown macro: {td}

?

Unknown macro: {td}

present-day control experiment

Unknown macro: {td}

B04.10

Unknown macro: {td}

b30.009

Unknown macro: {td}

req:> 100 years (~300 years)
PCM: 0049-0348
CCSM: up to BK

Unknown macro: {td}

req:
last 20 years
PCM: n/a<br style="font-weight: normal;">CCSM: up to BK

Unknown macro: {td}

req:last
year
PCM: n/a<br style="font-weight: normal;">CCSM: ???

Unknown macro: {td}

for most models this experiment is not needed, but for some it is the control for experiments 8-9. There will be no natural forcing and anthropogenic influences will be set at present-day level. The control experiment should be long enough to extend to the furthest point in time reached by the end of the perturbation experiments (which branch from it). Thus the control should allow us to subtract any residual, unforced drift from the perturbation simulations.

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Climate of the 20th Century experiment (20C3M)

Unknown macro: {td}

B06.57<br style="color: rgb(0, 255, 0);">B06.59B06.60<br style="color: rgb(255, 0, 0);">B06.61

Unknown macro: {td}

b30.030ab30.030bb30.030cb30.030db30.030e

Unknown macro: {td}

req:~1850

- presentPCM:1890-1999<br style="font-weight: normal; ">CCSM:1870-1999

Unknown macro: {td}

req:1961

- 2000PCM:1961-1999<br style="font-weight: normal; ">CCSM:1961-1999

Unknown macro: {td}

req:1991-2000

PCM: n/a<br style="font-weight: normal; ">CCSM:??

Unknown macro: {td}

should initialize from a point early enough in the pre-industrial control run to ensure that the end of all the perturbed runs branching from the end of this 20C3M run end before the end of the control. This will enable us to subtract any residual drift in the control from all runs that will be compared to it.

Unknown macro: {td}

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committed climate change experiment

Unknown macro: {td}

B07.73a<br style="color: rgb(255, 0, 0);">B07.73b<br style="color: rgb(255, 0, 0);">B07.73c

Unknown macro: {td}

b30.036a<br style="color: rgb(0, 255, 0);">b30.036b<br style="color: rgb(0, 255, 0);">b30.036c<br style="color: rgb(255, 0, 0);">b30.036d<br style="color: rgb(255, 0, 0);">b30.036e

Unknown macro: {td}

req:present - 2100

PCM: same<br style="font-weight: normal;">CCSM:same

Unknown macro: {td}

req:2046-2065, 2081 - 2100

PCM: same<br style="font-weight: normal;">CCSM: same

Unknown macro: {td}

req:2050, 2100

PCM: n/a<br style="font-weight: normal;">CCSM: ???

Unknown macro: {td}

should take the end of the 20C3M run as its

initial condition

Unknown macro: {td}

Unknown macro: {td}

SPES-43 experiment

Unknown macro: {td}

B06.20<br style="color: rgb(255, 0, 0);">B07.72a<br style="color: rgb(255, 0, 0);">B07.72b<br style="color: rgb(255, 0, 0);">B07.72c

Unknown macro: {td}

b30.042a<br style="color: rgb(0, 0, 255);">b30.042b<br style="color: rgb(0, 0, 255);">b30.042c<br style="color: rgb(0, 0, 255);">b30.042d<br style="color: rgb(0, 0, 255);">b30.042e

Unknown macro: {td}

req:present - 2100

PCM: same<br style="font-weight: normal;">CCSM: same

Unknown macro: {td}

req:2046 - 2065,
2081 - 2100

PCM: same

style="font-weight: normal;">
style="font-weight: normal;">CCSM: same

Unknown macro: {td}

req:2050, 2100

PCM: n/a ?

style="font-weight: normal;">
style="font-weight: normal;">CCSM: ???

Unknown macro: {td}

should take the end of the 20C3M run as its

initial condition

Unknown macro: {td}

Unknown macro: {td}

6

Unknown macro: {td}

700-year stabilization experiment (SRES A1B)

Unknown macro: {td}

<span

style="color: rgb(255, 0, 0);">B07.08

B07.70a

style="color: rgb(255, 0, 0);">

B07.70b

style="color: rgb(255, 0, 0);">

B07.70c

B07.76

Unknown macro: {td}

<span

style="color: rgb(255, 0, 0);">b30.040a

b30.040b

style="color: rgb(0, 255, 0);">

b30.040c

style="color: rgb(0, 255, 0);">

b30.040d

style="color: rgb(0, 255, 0);">

b30.040e

Unknown macro: {td}

req:present - 2300 (present - 2200)

PCM: same

style="font-weight: normal;">

style="font-weight: normal;">CCSM: same

Unknown macro: {td}

req:2046 - 2065, 2081-2100, 2181-2200, 2281-2300

PCM: same

style="font-weight: normal;">

style="font-weight: normal;">CCSM: same

Unknown macro: {td}

req:2050 - 2100, 2150 - 2200, 2300

Unknown macro: {td}

Impose SRES A1B conditions and initialize with
conditions from the end of the 20C3M simulation and run to 2100, after
which hold concentrations fixed and continue run to 2200. One
member of the ensemble should be extended for an additional 100 years
(to 2300), continuing to hold concentrations fixed.

Unknown macro: {td}

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7

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750-year stabilization experiment (SRES B1)

Unknown macro: {td}

B07.57a<br style="color: rgb(0, 0, 255);">B07.71b<br style="color: rgb(255, 0, 0);">B07.71c<br style="color: rgb(0, 255, 0);">B07.57d<br style="color: rgb(0, 255, 0);">B07.77

Unknown macro: {td}

b30.041a<br style="color: rgb(0, 255, 0);">b30.041b<br style="color: rgb(255, 0, 0);">b30.041c<br style="color: rgb(255, 0, 0);">b30.041d<br style="color: rgb(0, 255, 0);">b30.041e

Unknown macro: {td}

req:present - 2200 (present - 2200)
PCM: same<br style="font-weight: normal;">CCSM: same

Unknown macro: {td}

req:2046 - 2065, 2081-2100, 2181-2200, 2281-2300
PCM: same<br style="font-weight: normal;">CCSM: same

Unknown macro: {td}

req:2050 - 2100, 2150 - 2200, 2300

Unknown macro: {td}

Impose SRES B1 conditions and initialize with conditions from the end of the 20C3M simulation and run to 2100, after which hold concentrations fixed and continue run to 2200. One member of the ensemble should be extended for an additional 100 years (to 2300) and continue to hold concentrations fixed.

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Unknown macro: {td}

100 year CO2 increase experiment (to doubling)

Unknown macro: {td}

B04.16<br style="color: rgb(0, 0, 255);">B04.29<br style="color: rgb(0, 0, 255);">B04.30<br style="color: rgb(0, 0, 255);">B04.33<br style="color: rgb(0, 0, 255);">B04.34

Unknown macro: {td}

b30.026a.ES01

Unknown macro: {td}

req:~70 years to doubling + an additional 150 years
PCM: same<br style="font-weight: normal;">CCSM: same

Unknown macro: {td}

req:last 20 years
PCM: n/a<br style="font-weight: normal;">CCSM: up to BK

Unknown macro: {td}

req:~70 years to doubling + an additional 150 years after doubling

Unknown macro: {td}

Hold CO2 fixed after reaching doubled concentration. This run should be initialized from a point either within a present-day control run or a pre-industrial control run. Make sure that the initial time is early enough in the control run to subtract out any residual (unforced) drift that might occur over the 200 years of this experiment.

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Unknown macro: {td}

104 years CO2 increase experiment (to quadrupling)

Unknown macro: {td}

B04.23

Unknown macro: {td}

b30.026b

Unknown macro: {td}

req:~140 years to quadrupling + an additional 150 years
PCM: same<br style="font-weight: normal;">

Unknown macro: {td}

req:last 20 years
PCM: n/a<br style="font-weight: normal;">

Unknown macro: {td}

req:~140 years to quadrupling + an additional 150 years after quadrupling

Unknown macro: {td}

Hold CO2 fixed after reaching quadrupled concentration. This run should be initialized from a point either within a pre-industrial control run or a present-day control run. Make sure that the initial time is early enough in the control run to subtract out any residual (unforced) drift that might occur over the 200 years of this experiment.

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slab ocean control experiment

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Unknown macro: {td}

slab ocean control for experiment 11. Be sure to run long enough to reach a true equilibrium state and to produce stable statistics (at least 20 years beyond equilibrium).

Unknown macro: {td}

Unknown macro: {td}

200 years CO2 equilibrium experiment

Unknown macro: {td}

200
Unknown macro: {td}

200
Unknown macro: {td}

run 100 years 20
Unknown macro: {td}

run 20 years
Unknown macro: {td}

run 100 years
Unknown macro: {td}

slab ocean experiment with an instantaneous doubling. There is interest in the transient response to the instantaneous doubling, so please report all years and be sure to run long enough to reach a true equilibrium state and to produce stable statistics (at least 20 years beyond equilibrium).

Unknown macro: {td}
Unknown macro: {td}

10
Unknown macro: {td}

AMIP simulation
Unknown macro: {td}

200
Unknown macro: {td}

200
Unknown macro: {td}

run 100 years
Unknown macro: {td}

run 100 years
Unknown macro: {td}

run 200 years
Unknown macro: {td}

atmospheric component should be identical to that used in the above experiments

</body>
</html>