



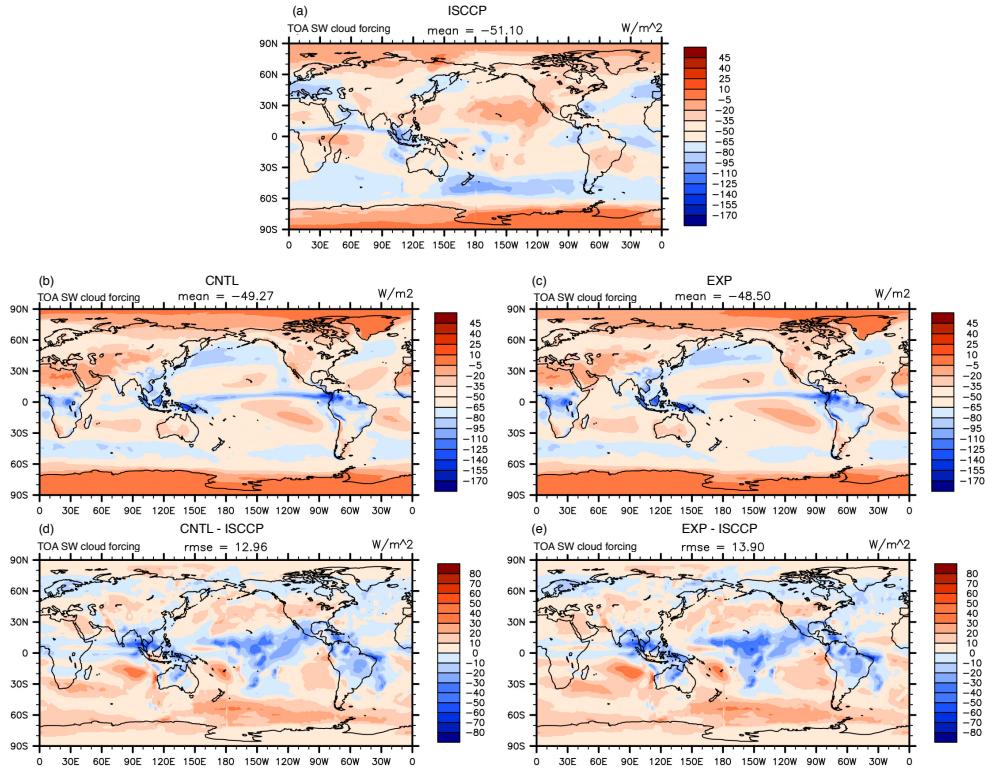
*Supplement of*

## **Automatic tuning of the Community Atmospheric Model (CAM5) by using short-term hindcasts with an improved downhill simplex optimization method**

Tao Zhang et al.

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738 Figure A1. The spatial distribution of TOA SW cloud forcing in (a) observation, (b)  
 739 CNTL, (c) EXP, (d) CNTL minus observation, (e) EXP minus observation.

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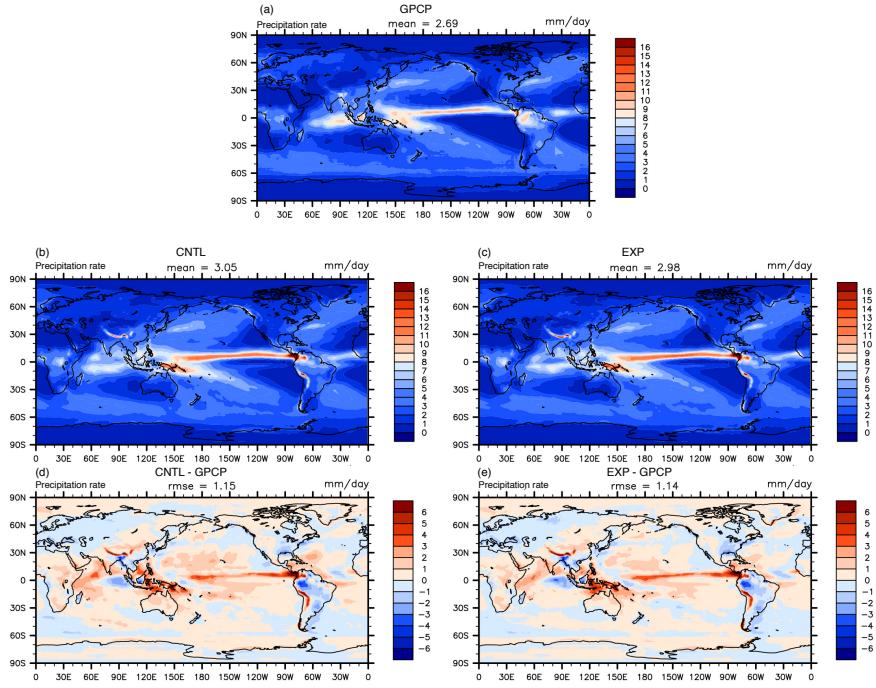
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747 Figure A2. The spatial distribution of precipitation rate in (a) observation, (b) CNTL,  
748 (c) EXP, (d) CNTL minus observation, (e) EXP minus observation.

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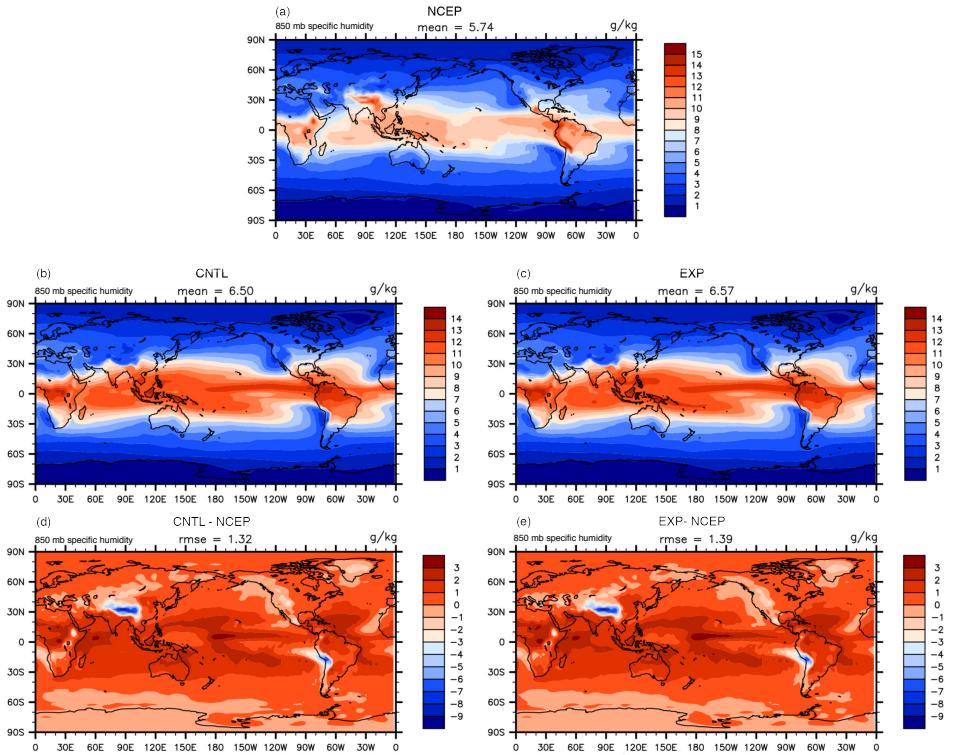
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762 Figure A3. The spatial distribution of relative humidity at 850hPa in (a) observation,  
 763 (b) CNTL, (c) EXP, (d) CNTL minus observation, (e) EXP minus observation.

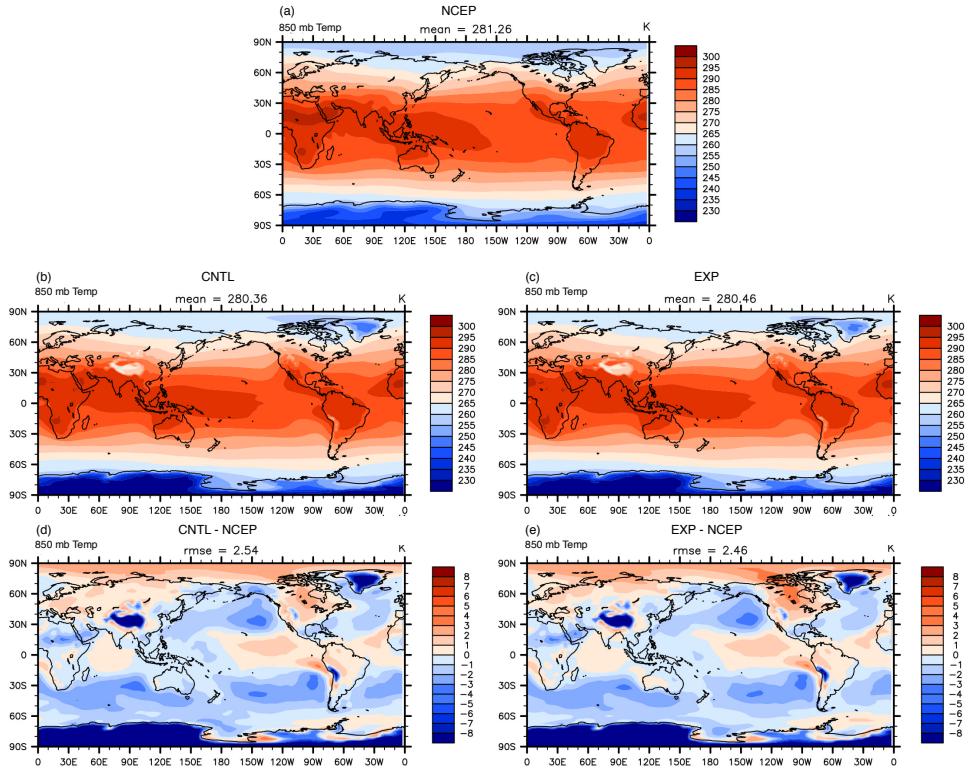
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770 Figure A4. The spatial distribution of temperature at 850hPa in (a) observation, (b)  
 771 CNTL, (c) EXP, (d) CNTL minus observation, (e) EXP minus observation.