Supplemental Material

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Vapor-Buoyancy Feedback in an Idealized GCM
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Supplemental Material for:

Vapor-Buoyancy Feedback in an Idealized GCM

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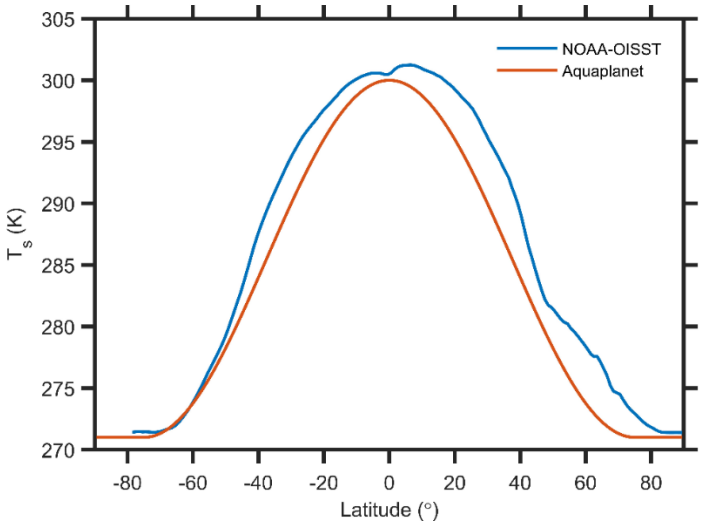

Figure S1. Prescribed surface temperature for the 300 K simulations, with zonal-average sea surface temperature data from the NOAA-OISST data set for comparison (Huang et al. 2021).

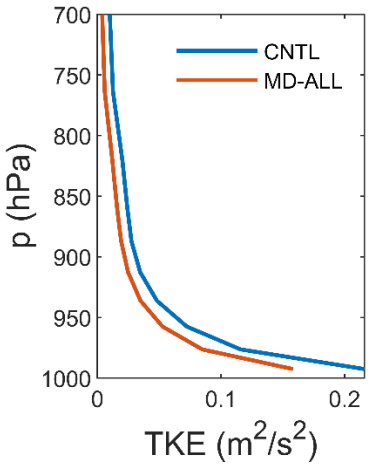

Figure S2. Equatorial-average (±5°) turbulent kinetic energy within the CAM6 boundary-layer scheme.

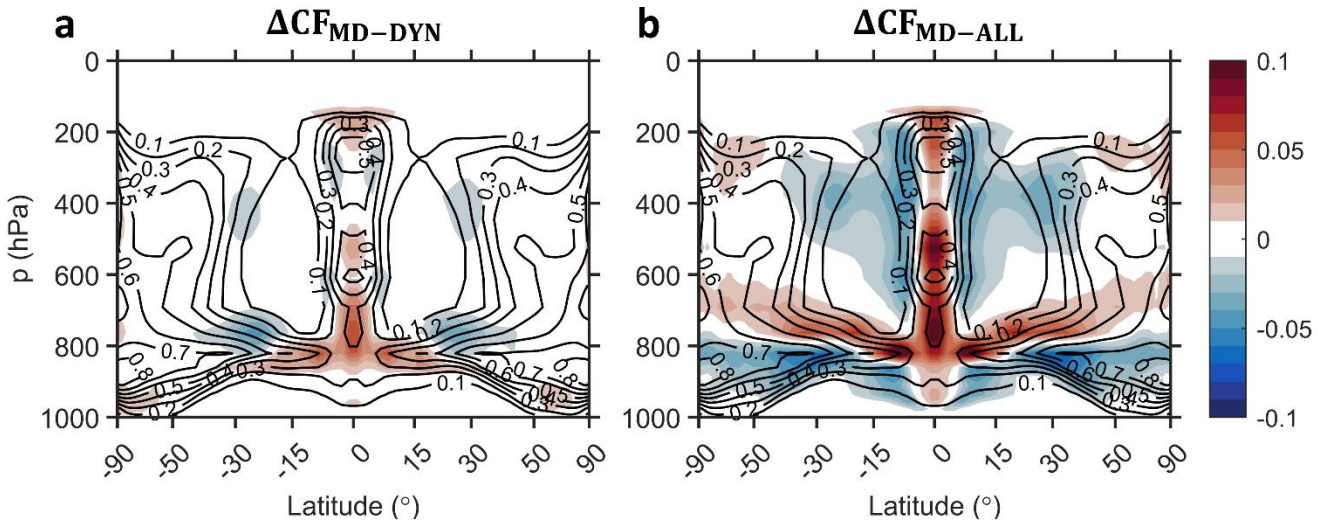

Figure S3. Simulated differences in cloud fraction between the CNTL simulation and (a) the MD-DYN simulation, and (b) the MD-ALL simulation for equatorial surface temperature 300 K. Black contours are the cloud fraction in the CNTL simulation.

References

Huang, B., C. Liu, V. Banzon, E. Freeman, G. Graham, B. Hankins, T. Smith, and H. M. Zhang, 2021: Improvements of the Daily Optimum Interpolation Sea Surface Temperature (DOISST) Version 2.1. *J. Clim.*, **34**, https://doi.org/10.1175/JCLI-D-20-0166.1.