

Supporting Information for “Assessing the impact of stratospheric aerosol injection on U.S. convective weather environments”

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1. Figures S1 to S4

Introduction The supporting information file contains figures S1-S4 which support results and discussion in the main manuscript.

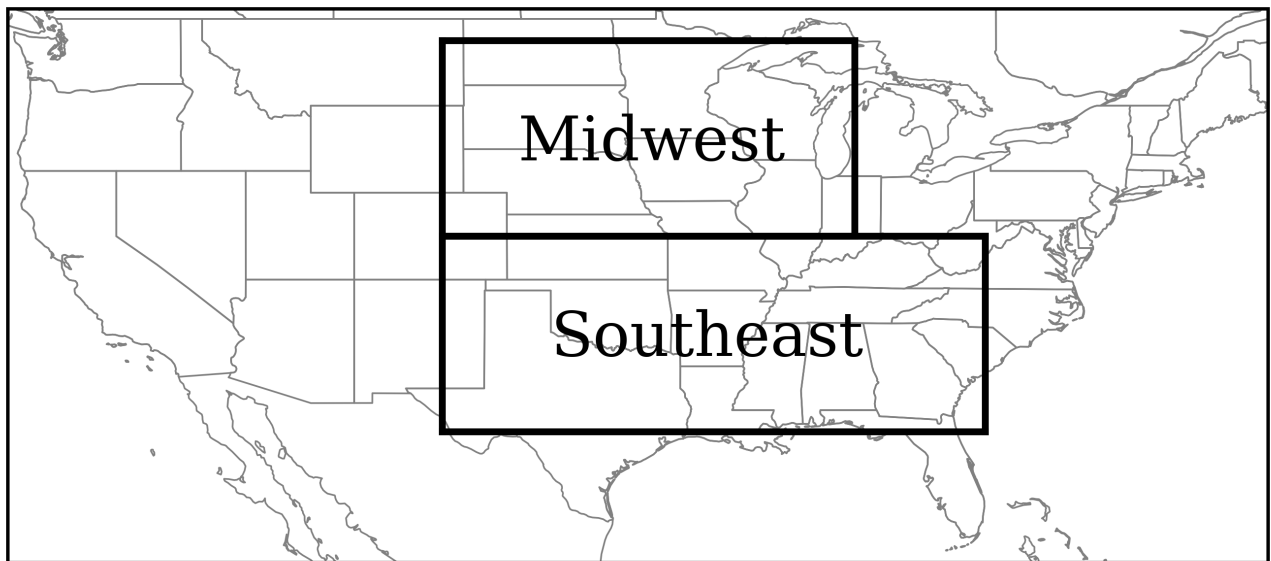


Figure S1. The Midwest and Southeast regions. The Midwest is defined by the grid points bounded by 30° - 39° N and 255° - 280° W. The Southeast is defined by the grid points bounded by 39° - 48° N and 255° - 274° W.

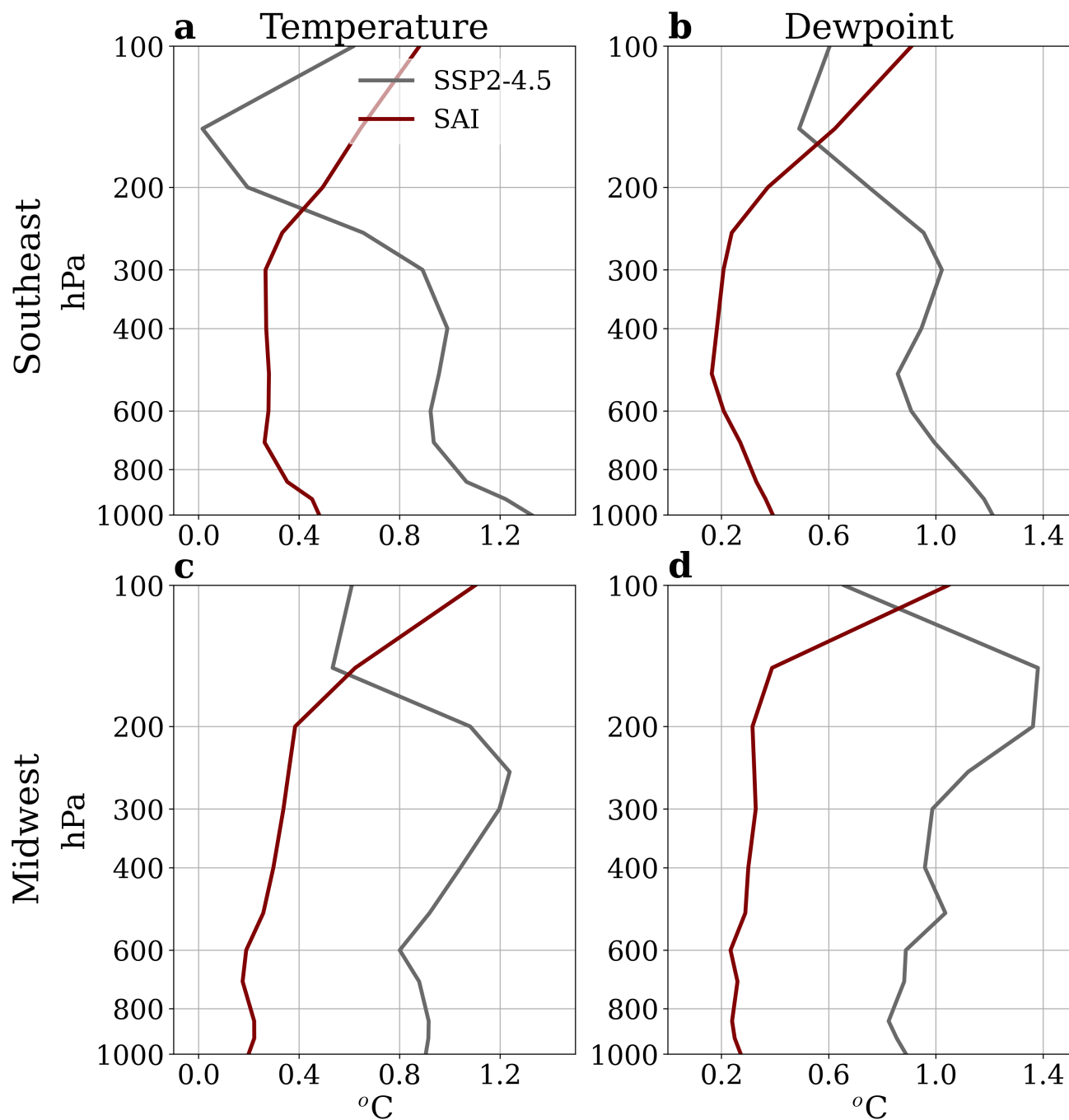


Figure S2. Ensemble mean changes in the vertical profiles of temperature (a and c) and dewpoint (b and d) over the Southeast in MAM and the Midwest in JJA for 2060-2069 relative to 2015-2034. The SSP2-4.5 simulations are shown in gray and the SAI simulations are shown in red.

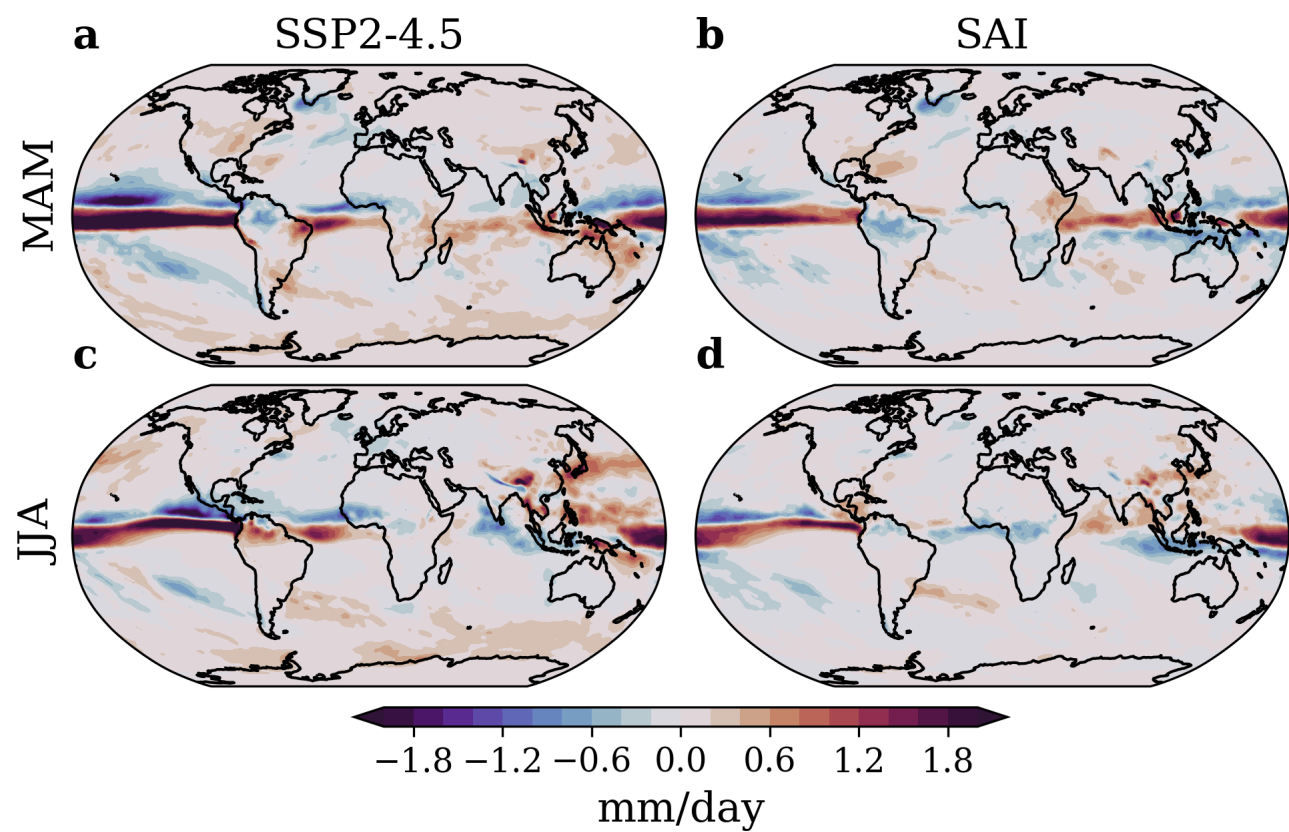


Figure S3. Ensemble mean change in precipitation (2060-2069 relative to 2015-2034) for the SSP2-4.5 and SAI simulations during the boreal spring and summer seasons.

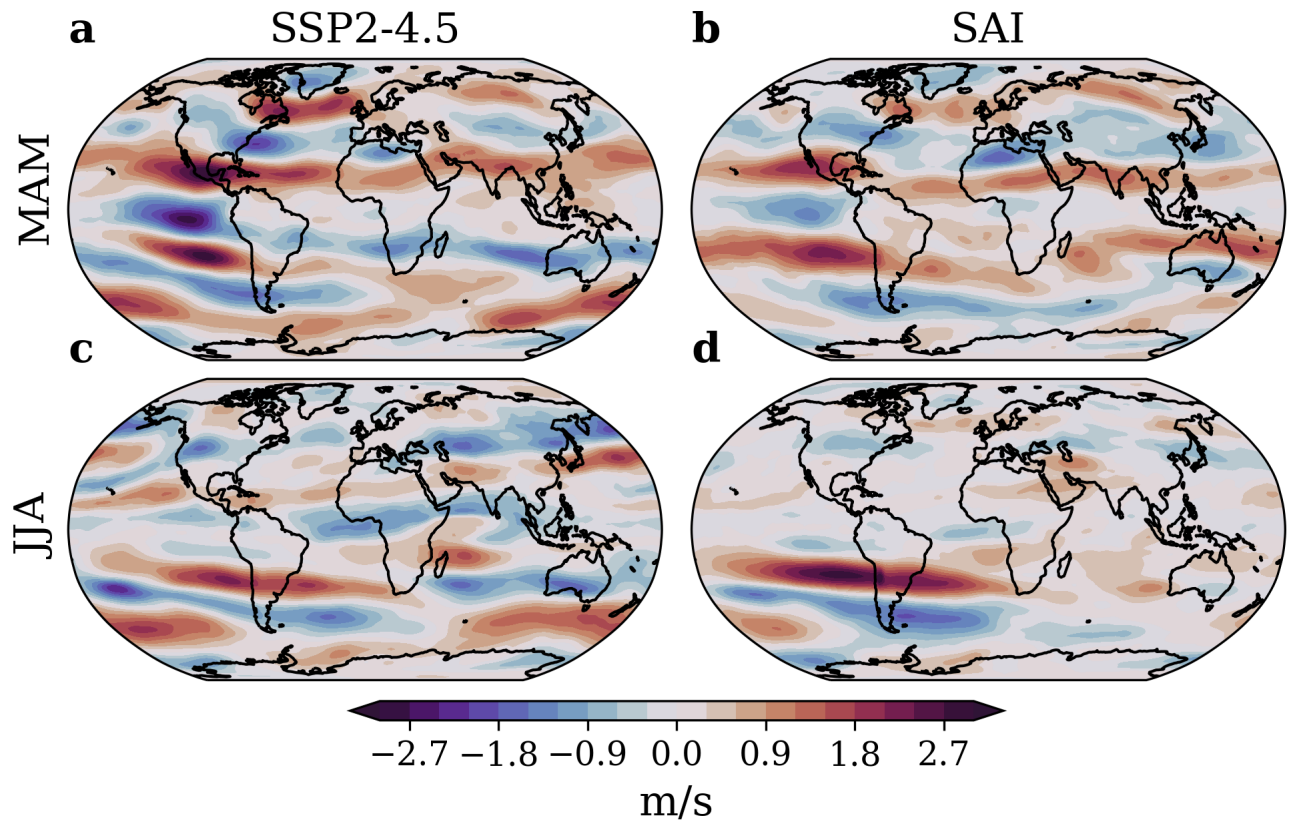


Figure S4. Ensemble mean change in 300 hPa wind speed (2060-2069 relative to 2015-2034) for the SSP2-4.5 and SAI simulations during the boreal spring and summer seasons.