Supplementary Figures

Reduced African Easterly Wave Activity with Quadrupled CO₂ in the Super-Parameterized CESM

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Figure S1: Mean boreal summer absolute surface temperature (colors) and 850 hPa wind (vectors) for ERAi (a), ZM1xCO2 (b), and ZM4xCO2(c).

Figure S2: Mean boreal summer absolute surface temperature (a,c) and surface temperature difference between corresponding 4xCO2 and 1xCO2 experiments (b,d).
Figure S3: Zonal mean absolute temperature difference between corresponding 4xCO\(_2\) and 1xCO\(_2\) experiments.

Figure S4: Zonal wind difference between corresponding 4xCO\(_2\) and 1xCO\(_2\) experiments (shading) overlaid with contours of zonal wind from the 1xCO\(_2\) experiments. Data are zonally averaged over -20°:10°E. Units are m s\(^{-1}\). Thicker contours indicate zonal wind values greater or equal to 10 m s\(^{-1}\). Wind contours with magnitudes less than 5 m s\(^{-1}\) are omitted for clarity. Stippling indicates statistically significant differences at the 95% confidence level.