

Supplementary information for "Arctic climate tipping points under delayed CO₂ emissions mitigation"

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1. Figures S1 to S3

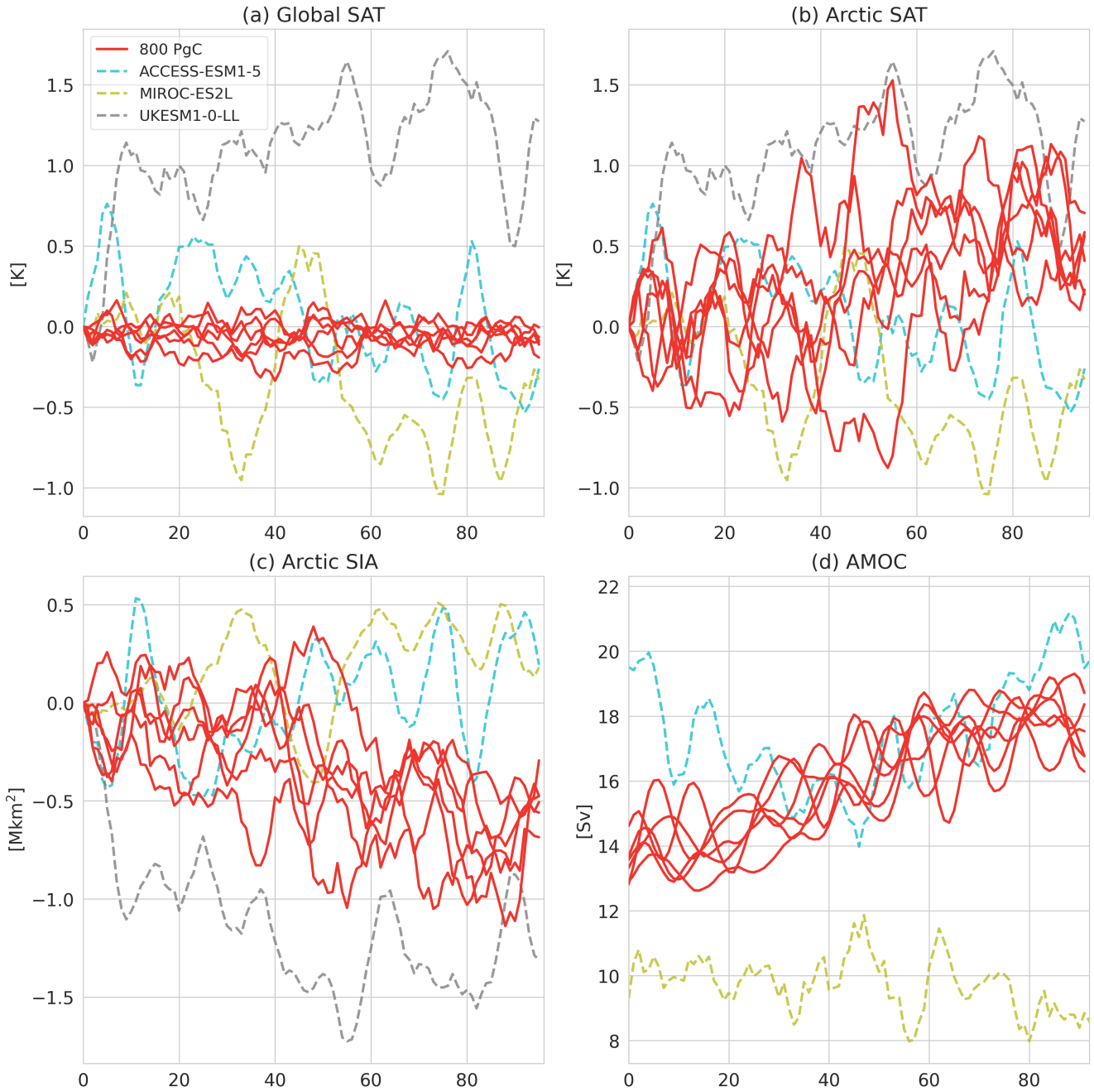


Figure S 1. Comparison of NASA-GISS and ZECMIP models. Time series of (a) global surface air temperature (SAT), (b) Arctic SAT, (c) Arctic sea-ice area (SIA), and (d) Atlantic Meridional Overturning Circulation (AMOC) strength during the 100 years following CO₂ emission cessation. Red solid lines show the six ensemble members from the NASA-GISS ModelE2.1-ESM2 under the 800 PgC scenario, while dashed lines represent ZECMIP models (one ensemble member per model) under the 750 PgC scenario. All values are shown as 5-year running means, expressed as anomalies relative to the year of CO₂ cessation, except for (d), where absolute values are plotted.

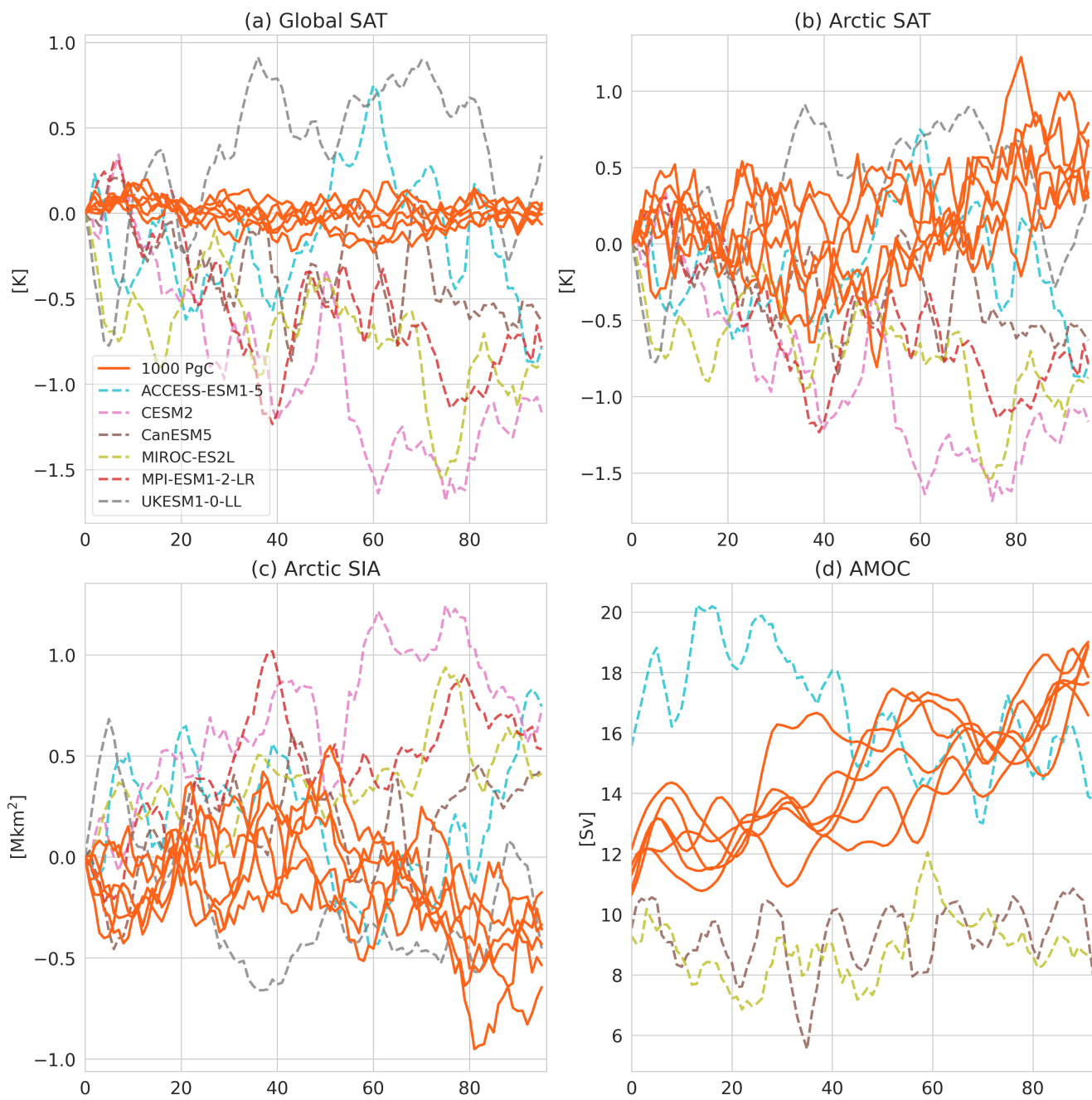


Figure S 2. Same as Fig S1 but for the 1000 PgC scenario.

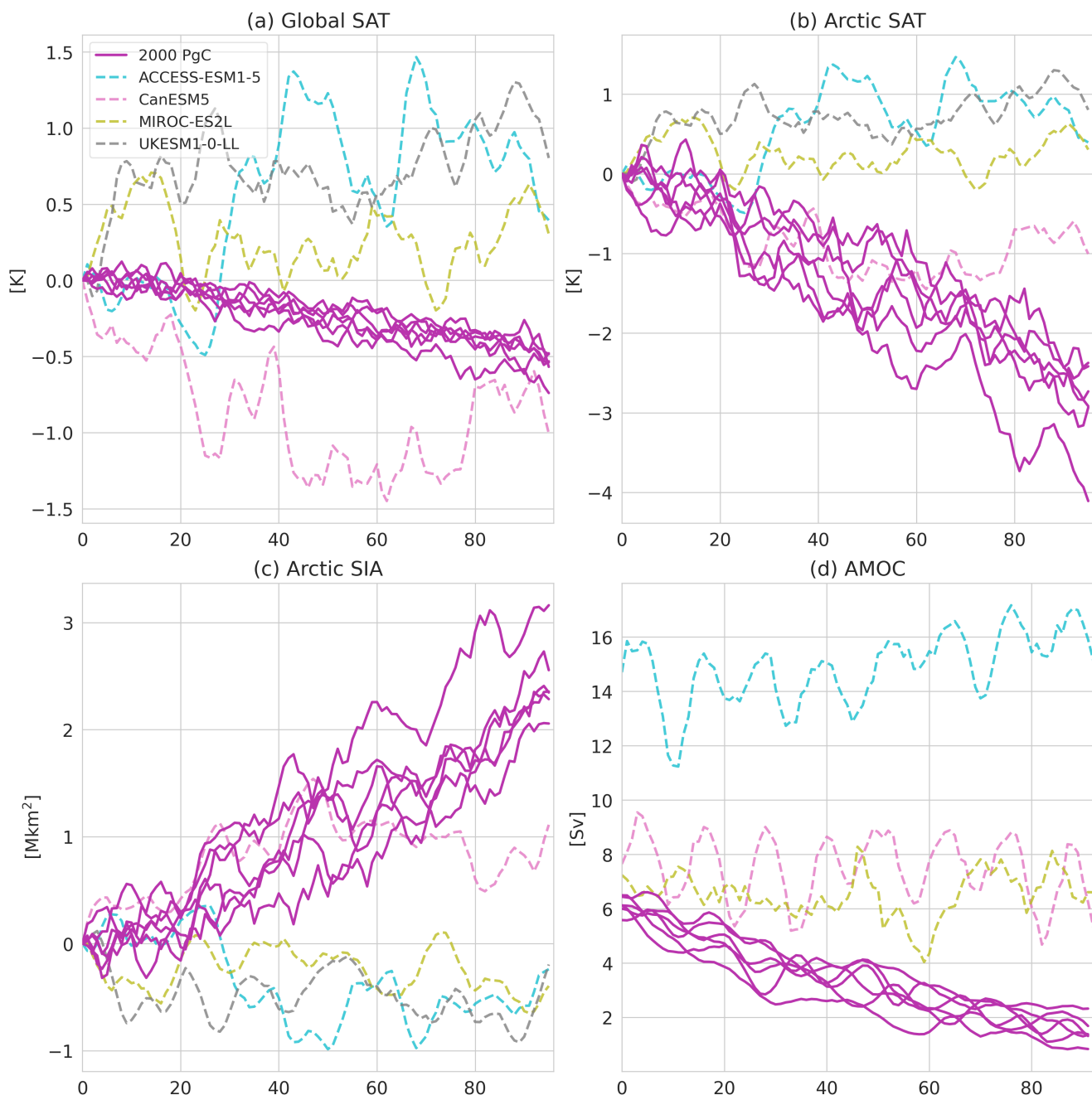


Figure S 3. Same as Fig S1 but for the 2000 PgC scenario.