

Supporting Information for
“ Asymmetric Warming/Cooling Response to CO₂
Increase/Decrease Mainly Due to Non-Logarithmic
Forcing, not Feedbacks”

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Figures S1-S5.

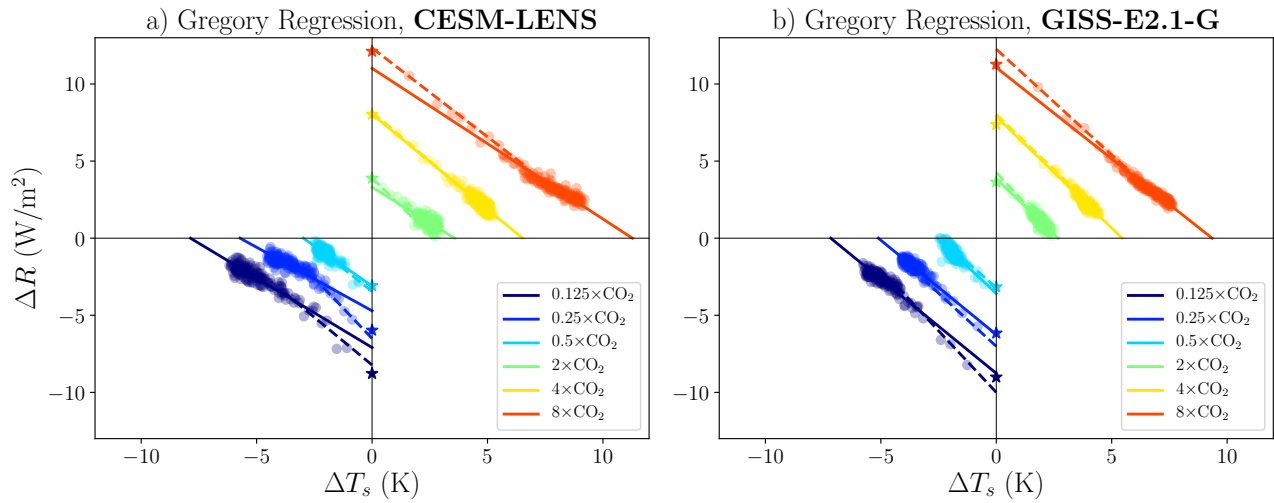


Figure S1. Gregory regression plots for a) CESM-LENS, and b) GISS-E2.1-G model. The solid lines show regression for years 1-150, and the dashed lines for years 1-20. The stars on the y -axis show the effective radiative forcing (ERF) calculated from the fixed SST and SIC runs.

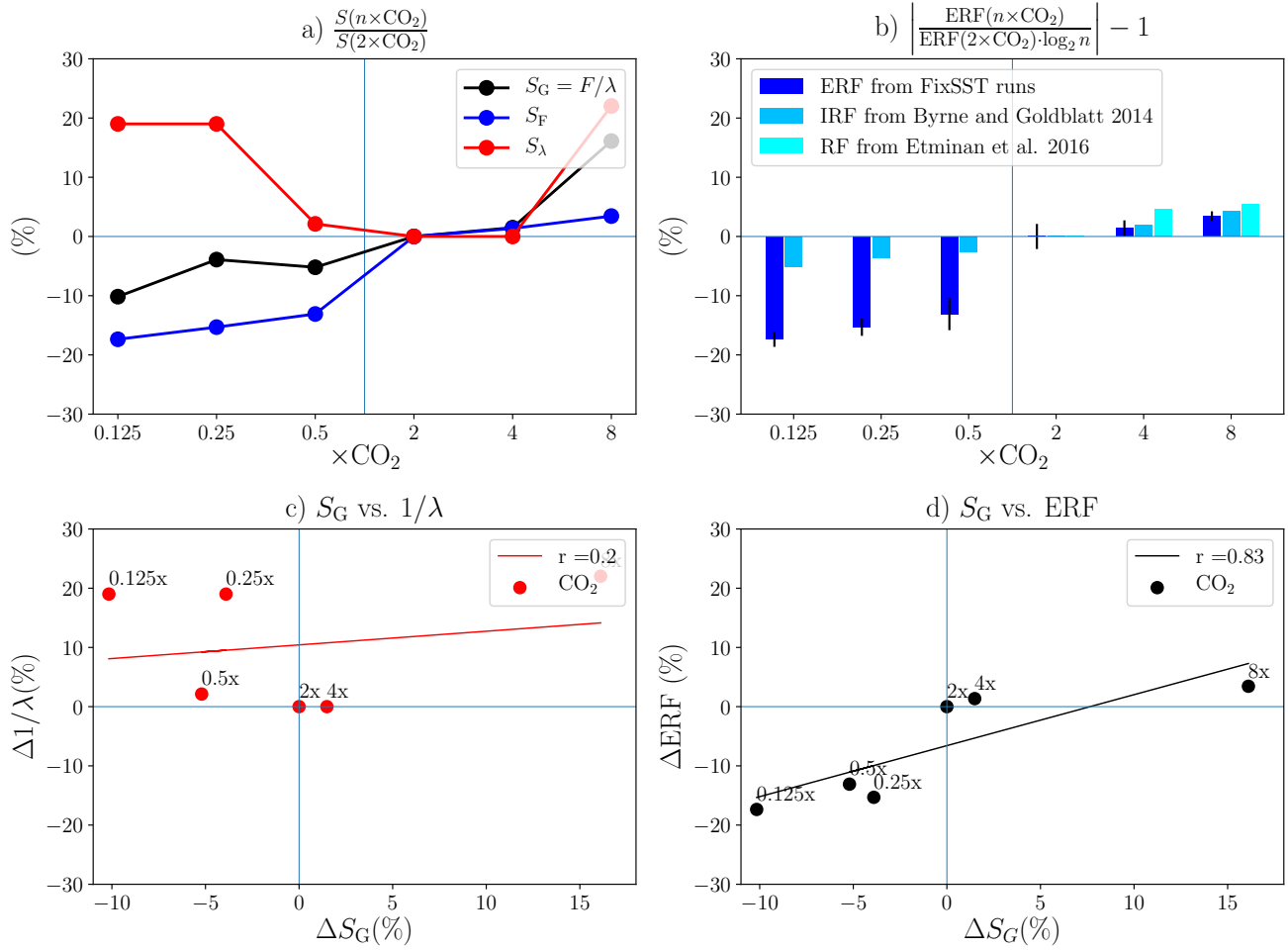


Figure S2. Same as Figure 2 in the main text except using the GISS-E2.1-G model.

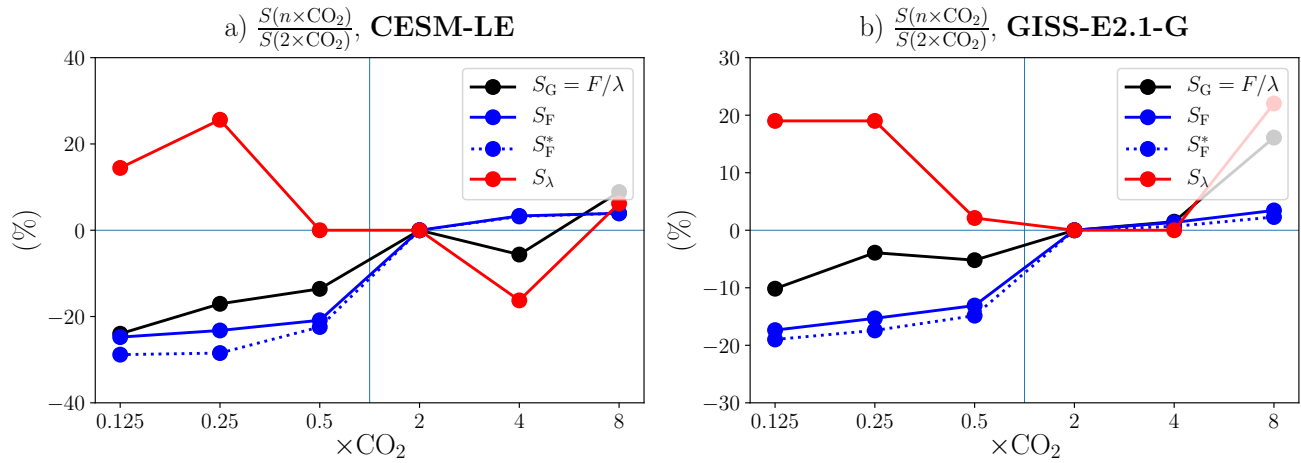


Figure S3. Same as Figure 2a and S2a in the manuscript, except here we show S_F^* , which contains a correction to the surface temperature change in fixed SST and SIC runs as per Equation 1 in Hansen et al. 2005. Panel a) shows CESM-LE, and panel b) shows GISS-E2.1-G data.

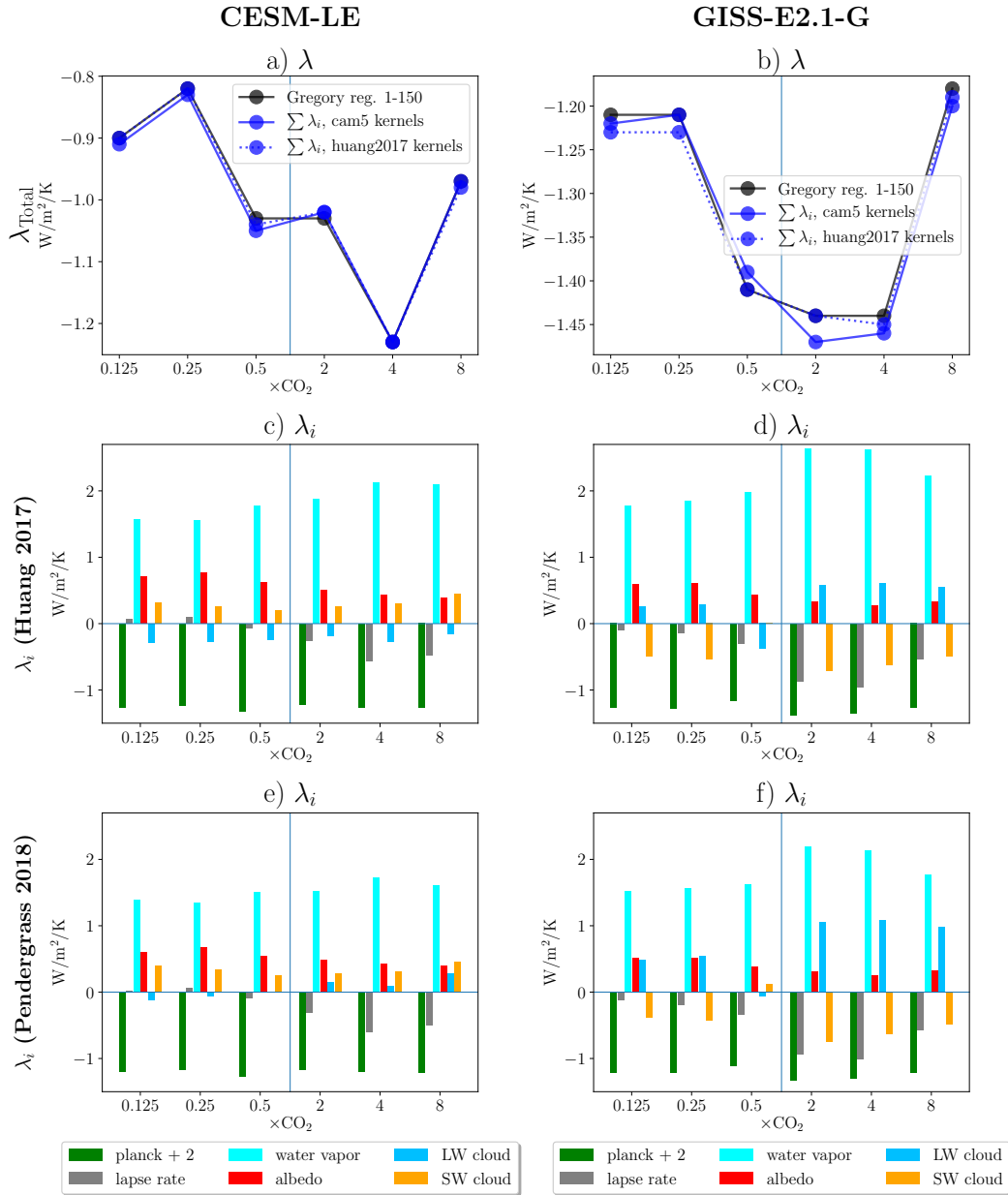


Figure S4. Feedbacks with CESM-LE (left) and GISS-E2.1-G model (right). (a and b) total feedbacks calculated with Gregory Regression years 1-150 (black), Pendergrass 2018 kernels for CESM1-CAM5 (blue solid), and Huang 2017 kernels (blue dashed). (c and d) individual feedbacks for Pendergrass 2018 kernels. (e and f) individual feedbacks for Huang 2017 kernels.

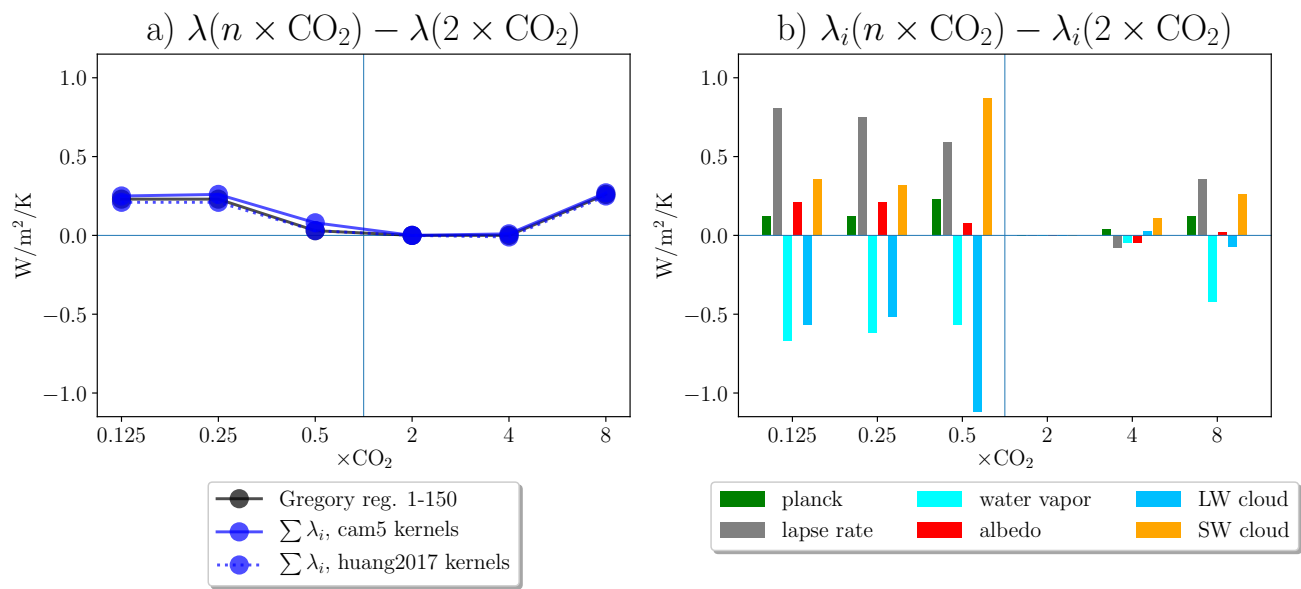


Figure S5. Same as Figure 3 in main text except using the GISS-E2.1-G model.