

Supporting Information for "Understanding the mechanisms for tropical surface impacts of the quasi-biennial oscillation (QBO)"

Jorge L. García-Franco^{1,2}, Lesley J. Gray^{1,3}, Scott Osprey^{1,3}, Robin

Chadwick^{4,5} and Jonathan Lin²

¹Atmospheric, Oceanic and Planetary Physics, University of Oxford

²Lamont-Doherty Earth Observatory, Columbia University, NY

³National Centre for Atmospheric Science, Oxford, United Kingdom

⁴Met Office Hadley Centre, UK

⁵Global Systems Institute, Department of Mathematics, University of Exeter, Exeter, UK

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1. Figures S1 to S6.

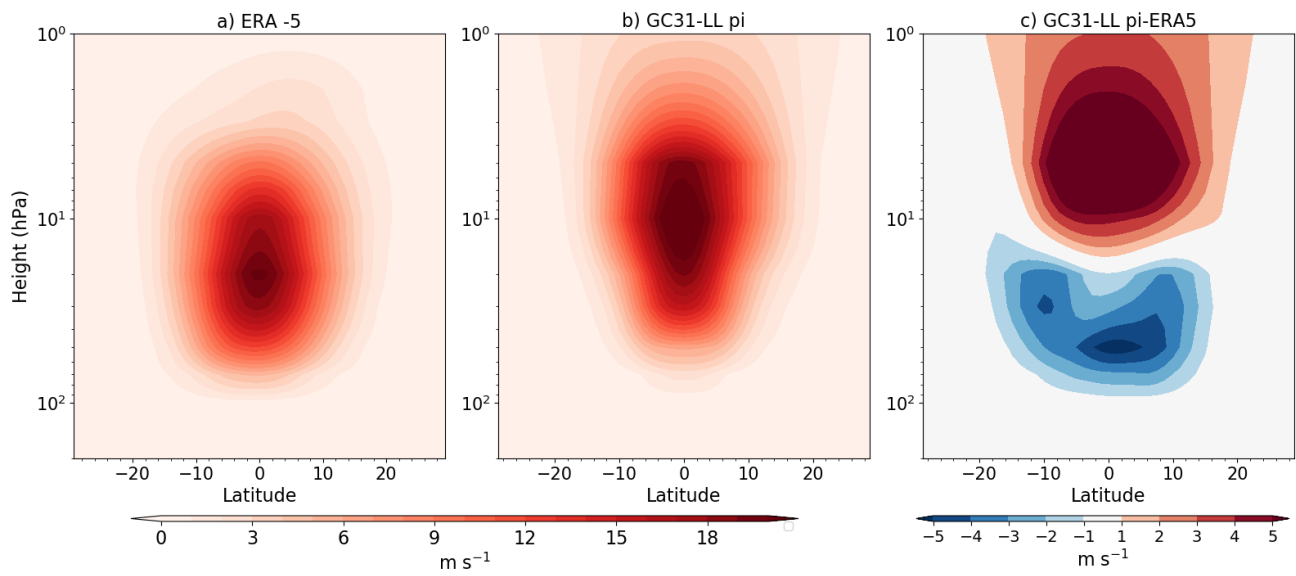


Figure S1. Latitude-pressure plot of the amplitude [m s^{-1}] of the QBO. Obtained from the zonal mean zonal wind fourier spectrum magnitude within the QBO periods, as in ? (?).

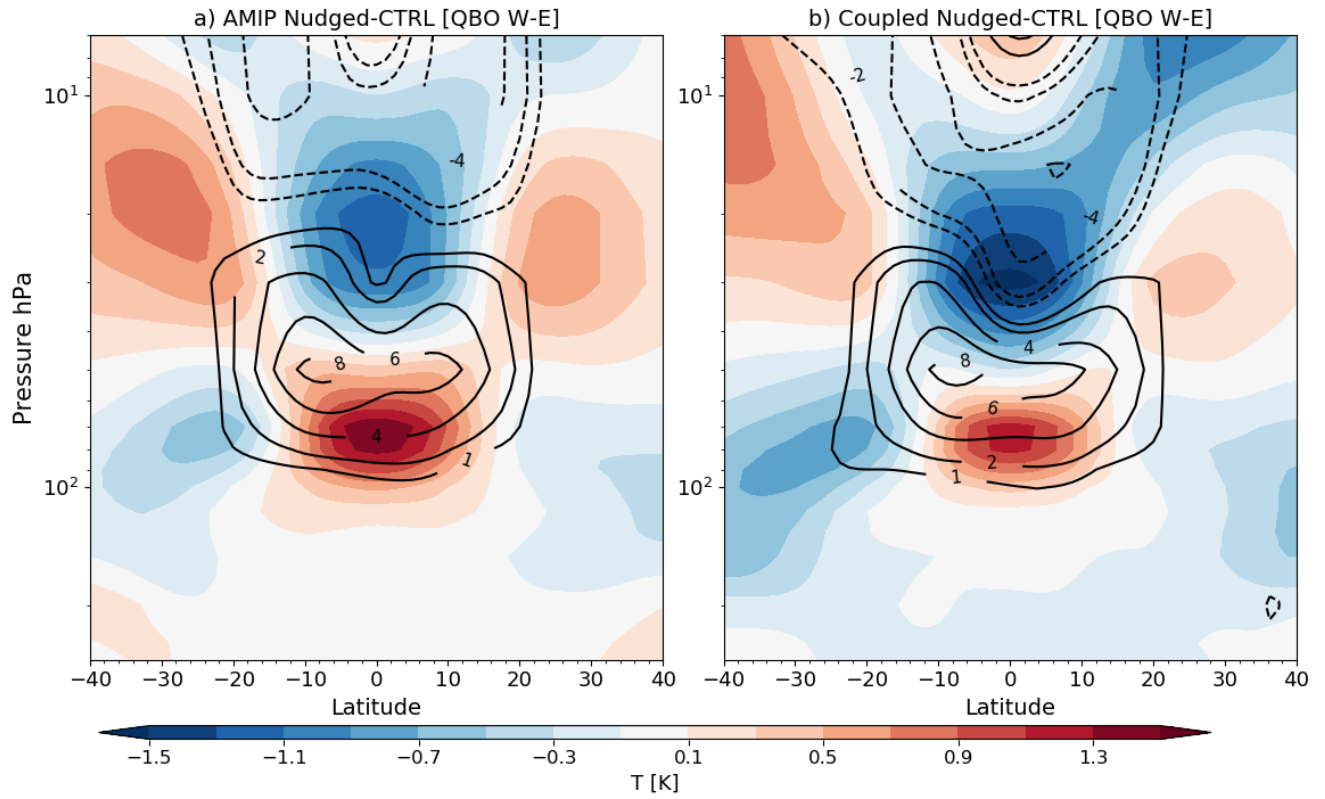


Figure S2. Differences in the QBO-related (W-E) variability in zonal mean zonal wind and temperature in (a) AMIP and (b) Coupled experiments between runs with and without nudging.

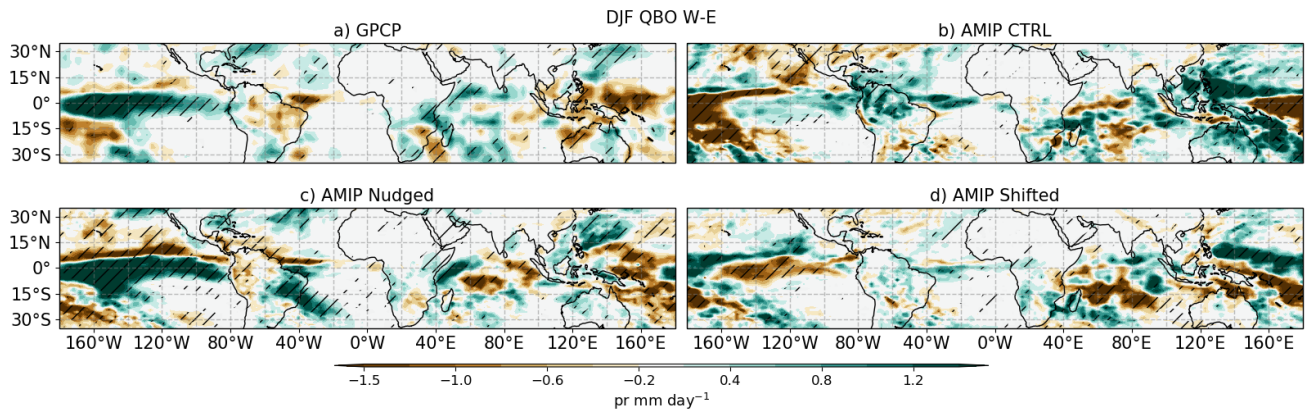


Figure S3. As in Fig. 3 of the main manuscript but for the DJF season.

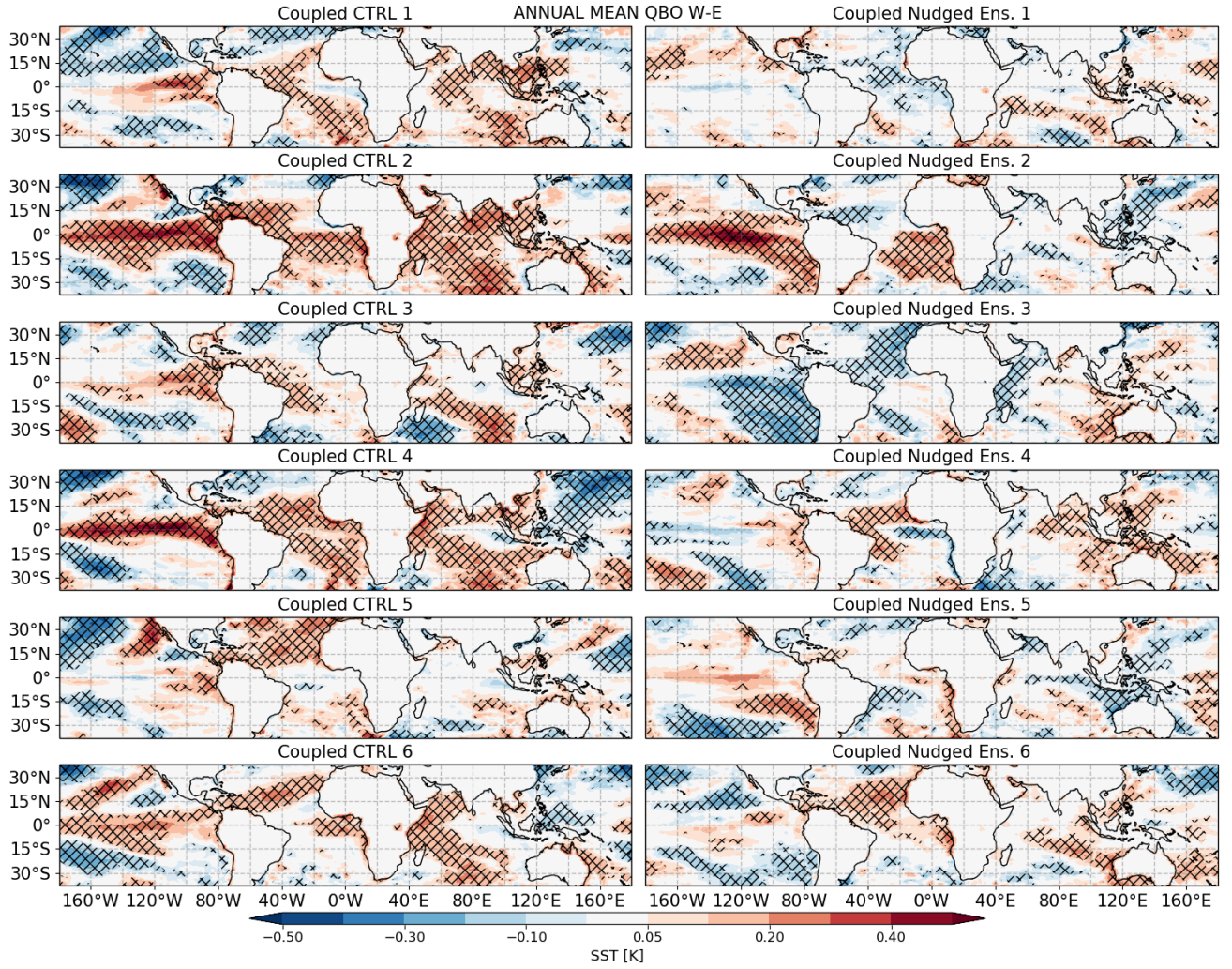


Figure S4. Annual mean SST differences (QBO W-E) in Coupled Control (left) and Coupled Nudged (right) ensemble members. Hatching denotes significance to the 95% confidence level according to a bootstrapping with replacement test.

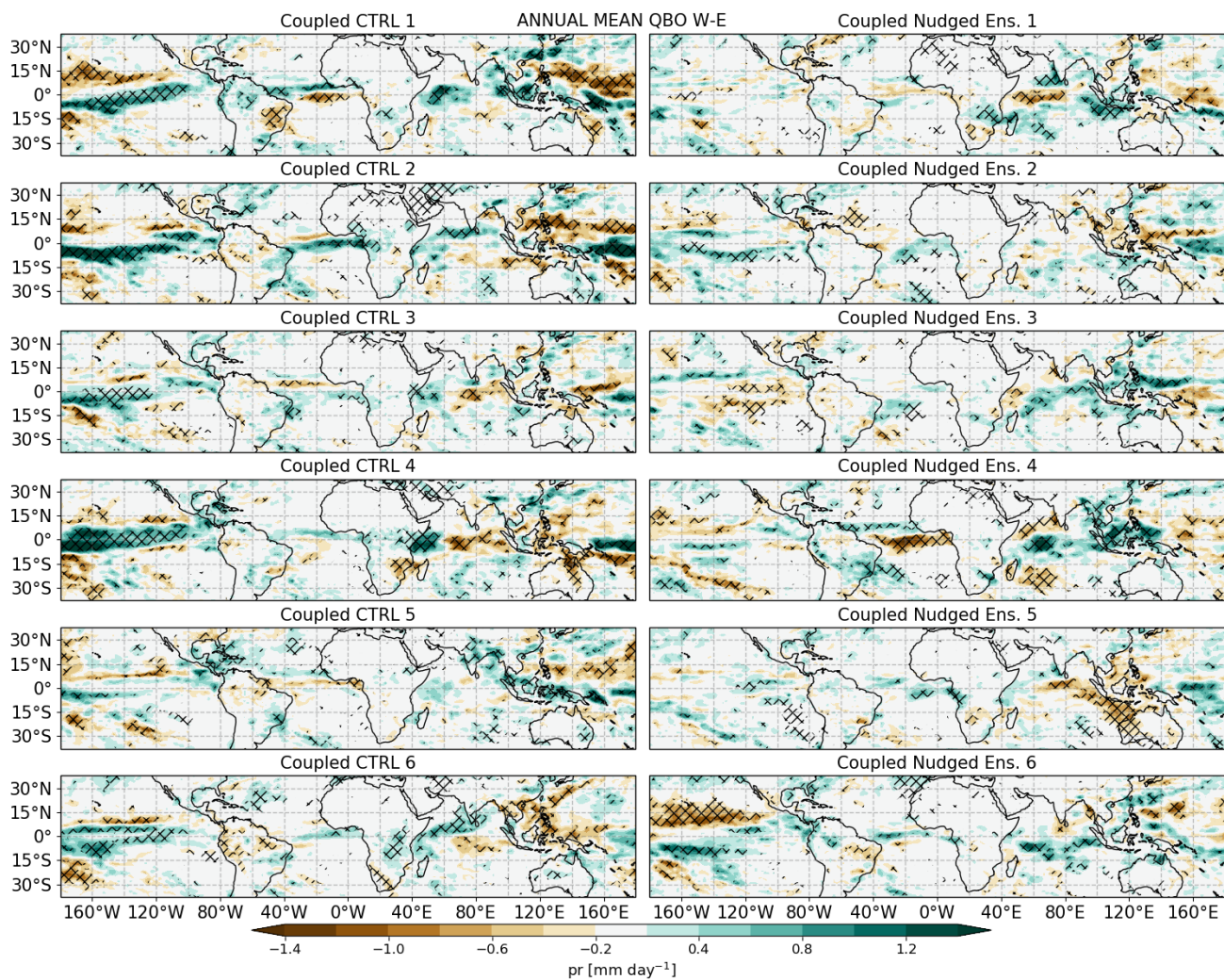


Figure S5. As in Fig. S4 but for precipitation.

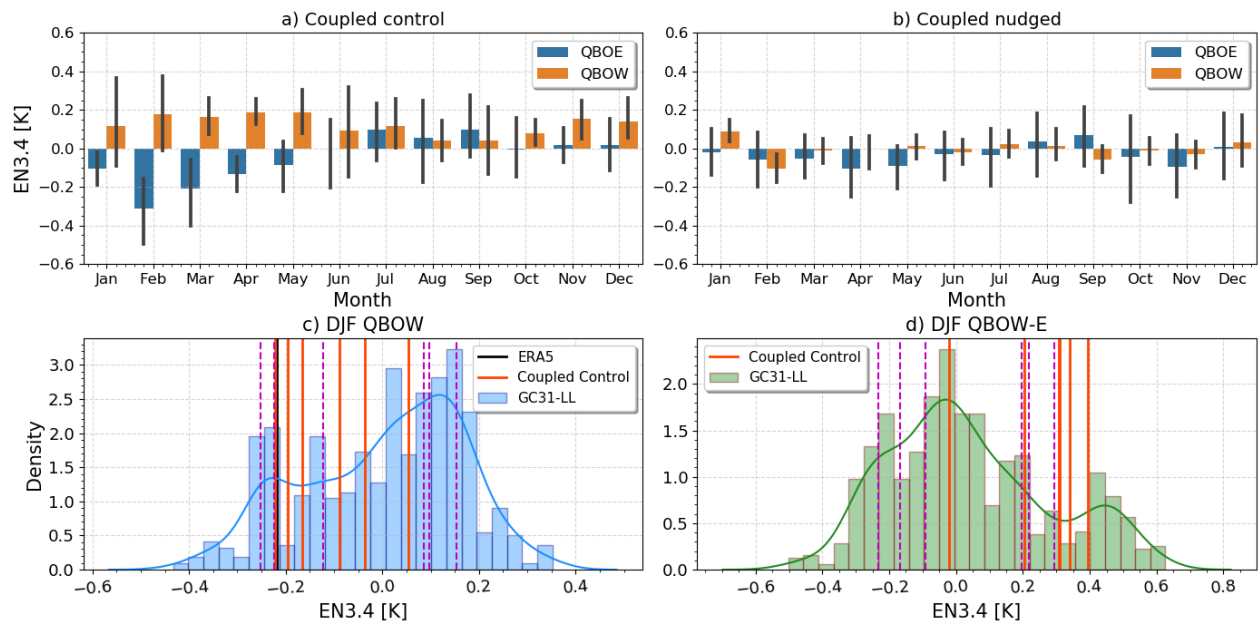


Figure S6. As in Fig. 7 of the main manuscript but for the EN3.4 index.