



Unveiling intrinsic tropical climate variability in a GCM

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GCMs have great difficulty to reach a consensus on representing tropical climate variability (TCV) and produce even more diverse predictions in a warming climate. In this study based on long equilibrium MPI-ESM simulations in the millennium project, we investigate TCV, the related teleconnection patterns, and the cross-scale interaction to characterize model-intrinsic features of TCV. The same analysis is carried out for a parallel experiment in which the Earth spins in the opposite direction. Dynamically interesting and insightful features are presented.