

COORDINATION TO UNDERSTAND AND REDUCE GLOBAL MODEL BIASES BY U.S. AND CHINESE INSTITUTIONS

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MODELS AND OBSERVATIONS. Phase 5 of the Coupled Model Intercomparison Project (CMIP5) models used in Fig. 1 in the main paper are Australian Community Climate and Earth-System Simulator, version 1.0 (ACCESS1.0), Beijing Normal University (BNU), Fourth Generation Canadian Coupled Global Climate Model (CanCM4), Second Generation Canadian Earth System Model (CanESM2), Community Climate System Model, version 4 (CCSM4), Community Earth System Model, version 1 (CESM1), Centro Euro-Mediterraneo per I Cambiamenti Climatici Carbon Cycle Earth System Model (CMCC-CESM), Centre National de Recherches Météorologiques Coupled Global Climate Model, version 5 (CNRM-CM5), Commonwealth Scientific and Industrial Research Organisation (CSIRO), Hadley Centre Global Environment Model, version 2 (HadGEM2), Institute of Numerical Mathematics Coupled Model, version 4.0 (INM-CM4.0), L’Institut Pierre-Simon Laplace Coupled Model, version 5A, mid resolution (IPSL-CM5A-MR), Model for Interdisciplinary Research on Climate, Earth System Model (MIROC-ESM), Max Planck

Institute Earth System Model, low resolution (MPI-ESM-LR), Max Planck Institute Earth System Model, medium resolution (MPI-ESM-MR), Meteorological Research Institute Earth System Model, version 1 (MRI-ESM1), and Norwegian Earth System Model, version 1 (NorESM1). The acronyms of the model names can be found in Colle et al. (2013).

Observational precipitation data used in Fig. 1 in the main paper are from the Global Precipitation Climatology Project (GPCP) for 1986–2005. Surface temperature data in Fig. 1 in the main paper are from the European Centre for Medium-Range Weather Forecasts (ECMWF) interim reanalysis (ERA-Interim) project.

REFERENCE

Colle, B. A., Z. Zhang, K. A. Lombardo, E. Chang, P. Liu, and M. Zhang, 2013: Historical evaluation and future prediction of eastern North American and western Atlantic extratropical cyclones in the CMIP5 models during the cool season. *J. Climate*, **26**, 6882–6903, <https://doi.org/10.1175/JCLI-D-12-00498.1>.