

References for Poster 979 - "Tropical Cyclone Response to Vertical Wind Shear in High-Resolution Climate Model Ensembles"

Corresponding Author: Jacob Carstens (jacob.carstens@und.edu)

1. Xi, D., N. Lin, R. Jing, P. Harr, and M. Oppenheimer, 2024: Uncertainties inherent from large-scale climate projections in the statistical downscaling projection of North Atlantic tropical cyclone activity. *Journal of Climate*, **37**, 4421–4436, [doi:10.1175/JCLI-D-23-0475.1](https://doi.org/10.1175/JCLI-D-23-0475.1).
2. Haarsma, R. J., M. Roberts, P. L. Vidale, C. A. Senior, A. Bellucci, Q. Bao, P. Chang, S. Corti, N. S. Fuckar, V. Guemas, J. von Hardenberg, W. Hazeleger, and coauthors, 2016: High Resolution Model Intercomparison Project (HighResMIP v1.0) for CMIP6. *Geoscientific Model Development*, **9**, 4185–4208, [doi:10.5194/GMD-9-4185-2016](https://doi.org/10.5194/GMD-9-4185-2016).
3. Titchner, H. A., and N. A. Rayner, 2014: The Met Office Hadley Centre sea ice and sea surface temperature data set, version 2: 1. Sea ice concentrations. *Journal of Geophysical Research: Atmospheres*, **119**, 2864–2889, [doi:10.1002/2013JD020316](https://doi.org/10.1002/2013JD020316).
4. Ullrich, P. A., C. M. Zarzycki, E. E. McClenny, M. C. Pinheiro, A. M. Stansfield, and K. A. Reed, 2021: TempestExtremes v2.1: A community framework for feature detection, tracking, and analysis in large datasets. *Geoscientific Model Development*, **14**, 5023–5048, [doi:10.5194/GMD-14-5023-2021](https://doi.org/10.5194/GMD-14-5023-2021).
5. Hersbach, H., B. Bell, P. Berrisford, S. Hirahara, A. Horanyi, J. Munoz-Sabater, J. Nicolas, C. Peubey, R. Radu, D. Schepers, A. Simmons, C. Soci, and coauthors, 2020: The ERA5 global reanalysis. *Quarterly Journal of the Royal Meteorological Society*, **146**, 1999–2049, [doi:10.1002/qj.3803](https://doi.org/10.1002/qj.3803).
6. Knapp, K. R., M. C. Kruk, D. H. Levinson, H. J. Diamond, and C. J. Neumann, 2010: The International Best Track Archive for Climate Stewardship (IBTrACS): Unifying tropical cyclone best track data. *Bulletin of the American Meteorological Society*, **91**, 363–376, [doi:10.1175/2009BAMS2755.1](https://doi.org/10.1175/2009BAMS2755.1).
7. DeMaria, M., M. Mainelli, L. K. Shay, J. A. Knaff, and J. Kaplan, 2005: Further improvements to the Statistical Hurricane Intensity Prediction Scheme (SHIPS). *Weather and Forecasting*, **20**, 531–543, [doi:10.1175/WAF862.1](https://doi.org/10.1175/WAF862.1).
8. Bourdin, S., S. Fromang, A. Caubel, J. Ghattas, Y. Meurdesoif, and T. Dubos, 2024: Tropical cyclones in global high-resolution simulations using the IPSL model. *Climate Dynamics*, **62**, 4343–4368, [doi: 10.1007/s00382-024-07138-w](https://doi.org/10.1007/s00382-024-07138-w).
9. Mizuta, R., H. Yoshimura, H. Murakami, M. Matsueda, H. Endo, T. Ose, K. Kamiguchi, M. Hosaka, M. Sugi, S. Yukimoto, S. Kusunoki, and A. Kitoh, 2012: Climate simulations using MRI-AGCM3.2 with 20-km grid. *Journal of the Meteorological Society of Japan*, **90A**, 233–258, [doi:10.2151/jsmj.2012-A12](https://doi.org/10.2151/jsmj.2012-A12).

10. Voldoire, A., D. Saint-Martin, S. Senesi, B. Decharme, A. Alias, M. Chevallier, J. Colin, J.-F. Gueremy, M. Michou, M.-P. Moine, P. Nabat, R. Roehrig, D. Salas y Melia, R. Seferian, S. Valcke, and coauthors, 2019: Evaluation of CMIP6 DECK experiments with CNRM-CM6-1. *Journal of Advances in Modeling Earth Systems*, **11**, 2177–2213, [doi:10.1029/2019MS001683](https://doi.org/10.1029/2019MS001683).
11. Roberts, C. D., R. Senan, F. Molteni, S. Boussetta, M. Mayer, and S. P. E. Keeley, 2018: Climate model configurations of the ECMWF Integrated Forecasting System (ECMWF-IFS cycle 43r1) for HighResMIP. *Geoscientific Model Development*, **11**, 3681–3712, [doi:10.5194/GMD-11-3681-2018](https://doi.org/10.5194/GMD-11-3681-2018).
12. Gutjahr, O., D. Putrasahan, K. Lohmann, J. H. Jungclaus, J.-S. von Storch, N. Bruggemann, H. Haak, and A. Stossel, 2019: Max Planck Institute Earth System Model (MPI-ESM1.2) for the High-Resolution Model Intercomparison Project (HighResMIP). *Geoscientific Model Development*, **12**, 3241–3281, [doi:10.5194/GMD-12-3241-2019](https://doi.org/10.5194/GMD-12-3241-2019).
13. Haarsma, R., M. Acosta, R. Bakhshi, P.-A. Bretonniere, L.-P. Caron, M. Castrillo, S. Corti, P. Davini, E. Exarchou, F. Fabiano, U. Fladrich, and coauthors, 2020: HighResMIP version of EC-Earth: EC-Earth3P and EC-Earth3P-HR – description, model computational performance and basic validation. *Geoscientific Model Development*, **13**, 3507–3527, [doi:10.5194/GMD-13-3507-2020](https://doi.org/10.5194/GMD-13-3507-2020).
14. Davis, C., C. Snyder, and A. C. Didlake, Jr., 2008: A vortex-based perspective of eastern Pacific tropical cyclone formation. *Monthly Weather Review*, **136**, 2461–2477, [doi:10.1175/2007MWR2317.1](https://doi.org/10.1175/2007MWR2317.1).
15. Alland, J. J., B. H. Tang, K. L. Corbosiero, and G. H. Bryan, 2021: Combined effects of midlevel dry air and vertical wind shear on tropical cyclone development. Part II: Radial ventilation. *Journal of the Atmospheric Sciences*, **78**, 783–796, [doi:10.1175/JAS-D-20-0055.1](https://doi.org/10.1175/JAS-D-20-0055.1).
16. Carstens, J. D., A. C. Didlake, Jr., and C. M. Zarzycki, 2024: Tropical cyclone wind shear-relative asymmetry in reanalyses. *Journal of Climate*, **37**, 5793–5816, [doi:10.1175/JCLI-D-23-0628.1](https://doi.org/10.1175/JCLI-D-23-0628.1).
17. Chang, P., 2020, S. Zhang, G. Danabasoglu, S. G. Yeager, H. Fu, H. Wang, F. S. Castruccio, Y. Chen, J. Edwards, D. Fu, Y. Jia, and coauthors: An unprecedented set of high-resolution earth system simulations for understanding multiscale interactions in climate variability and change. *Journal of Advances in Modeling Earth Systems*, **12**, e2020MS002298, [doi:10.1029/2020MS002298](https://doi.org/10.1029/2020MS002298).
18. Fu, D., X. Liu, F. Castruccio, G. Zhang, P. Chang, and G. Danabasoglu: Global warming amplifies inland compound risks from tropical cyclones. In review, preprint at <https://www.researchsquare.com/article/rs-7369582/v1>.