Kelsey Malloy, Ph.D.
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EDUCATION

Ph.D. Atmospheric Sciences, University of Miami Rosenstiel School, Miami, FL   2022
     Advisor: Ben P. Kirtman
B.S. Atmospheric & Oceanic Science, University of Maryland, College Park, MD   2017

PROFESSIONAL EXPERIENCE

Assistant Professor, Dept. of Geography & Spatial Sciences, University of Delaware, Newark, DE   01/2025-Present
Postdoctoral Research Scientist, Dept. of Applied Physics and Applied Mathematics, Columbia University, New York, NY   08/2022-12/2024
     Supervisor: Michael K. Tippett

SELECTED PUBLICATIONS

Malloy, K. and Tippett, M.K. (2024). A Stochastic Statistical Model for U.S. Outbreak-level Tornado Occurrence based on the Large-scale Environment. *Mon. Wea. Review,* https://doi.org/10.1175/MWR-D-23-0219.1.

Tippett, M.K., Malloy, K., and Lee, S.H. (2024). Modulation of U.S. tornado activity by year-round North American weather regimes. *Mon. Wea. Review,* https://doi.org/10.1175/MWR-D-24-0016.1.

Malloy, K. and Tippett, M.K. (2023). ENSO and MJO Modulation of U.S. Cloud-to-ground Lightning Activity. *Mon. Wea. Review*, https://doi.org/10.1175/MWR-D-23-0157.1.

Malloy, K. and Kirtman, B.P. (2023). Subseasonal Great Plains Rainfall via Remote Extratropical Teleconnections: Regional Application of Theory-guided Causal Networks. *JGR: Atmospheres*, https://doi.org/10.1029/2022JD037795.

Malloy, K. and Kirtman, B.P. (2022). The summer Asia–North America teleconnection and its modulation by ENSO in Community Atmosphere Model, version 5 (CAM5). *Climate Dynamics*, https://doi.org/10.1007/s00382-022-06205-4.

Malloy, K. and Kirtman, B.P. (2020). Predictability of Midsummer Great Plains Low-Level Jet and Associated Precipitation. *Wea. Forecasting*, 35, 215–235, https://doi.org/10.1175/WAF-D-19-0103.1.

Mahoney, K., Swales, D., Mueller, M.J., Alexander, M., Hughes, M., and Malloy, K. (2018). An Examination of an Inland-Penetrating Atmospheric River Flood Event under Potential Future Thermodynamic Conditions. *J. Climate*, 31, 6281–6297, https://doi.org/10.1175/JCLI-D-18-0118.1.

SERVICE

Reviewer - Bulletin of the AMS, Journal of Climate, Weather & Forecasting, Artificial Intelligence for the Earth Systems, Geophysical Research Letters, AGU Earth's Future, Climate Dynamics, and more
Founder, Writer, Editor, *Seasoned Chaos* blog about subseasonal-to-seasonal forecasting and climate
    https://seasonedchaos.github.io   Present
Mentor, Geosciences Education and Mentorship Support (GEMS) program   2022-2024