

## Publications

### Manuscripts under Review

- De la Torre, A., P. Alexander, T. Schmidt, A. K. Steiner, F. Ladstädter, R. Hierro, and P. Llamedo (2024), Signs of climate variability in double tropopause global distribution from radio occultation data, *Atmos. Meas. Tech.* (submitted).
- Randel, W. J., C. Covey, L. Polvani, and **A. K. Steiner** (2024), Stratospheric Temperatures, In: State of the Climate in 2023, Section 2 Global Climate, Dunn et al. (Eds.), *Bull. Amer. Meteor. Soc.*, (under review)
- Stocker, M., **A. K. Steiner**, F. Ladstädter, U. Foelsche, and W. J. Randel (2024), Observed impacts of the Hunga Tonga eruption on stratospheric temperature, *Commun. Earth Environ.* (under review).
- Yessimbet, K., **A. K. Steiner**, F. Ladstädter, and A. C. Ossó (2024), Observational perspective on SSWs and blocking from EP fluxes, EGU sphere (preprint) under review for *Atmos. Chem. Phys.*, doi:[10.5194/egusphere-2023-2916](https://doi.org/10.5194/egusphere-2023-2916).

### Journal Publications – Peer Reviewed

74. Dunn, R. J. H., J. B. Miller, K. M. Willett, N. Gobron, M. Ades, M., R. Adler, ...**A.K. Steiner**, et al. (2023), Global Climate, In: State of the Climate in 2022. *Bull. Amer. Meteor. Soc.*, 104(9), S11–S145. doi:[10.1175/BAMS-D-23-0090.1](https://doi.org/10.1175/BAMS-D-23-0090.1).
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72. Ladstädter, F., **A. K. Steiner**, and H. Gleisner (2023), Resolving the 21st century temperature trends of the upper troposphere–lower stratosphere with satellite observations, *Scientific Rep.*, 13(1), 1306, doi:[10.1038/s41598-023-28222-x](https://doi.org/10.1038/s41598-023-28222-x).
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70. Yessimbet, K., T. G. Shepherd, A. C. Ossó, and **A. K. Steiner** (2022), Pathways of influence between northern hemisphere blocking and stratospheric polar vortex variability, *Geophys. Res. Lett.*, 49(23), e2022GL100895, doi:[10.1029/2022GL100895](https://doi.org/10.1029/2022GL100895).
69. Randel, W. J., C. Covey, L. Polvani, and **A. K. Steiner** (2022), Stratospheric Temperatures, In: State of the Climate in 2021, Section 2 Global Climate, Dunn et al. (Eds.), *Bull. Amer. Meteor. Soc.*, 103(8), S11–S142, doi:[10.1175/BAMS-D-22-0092.1](https://doi.org/10.1175/BAMS-D-22-0092.1)
68. Engdaw, M. M., A. P. Ballinger, G. C. Hegerl, and **A. K. Steiner** (2022, eo 2021), Changes in temperature and heat waves over Africa using observational and reanalysis data sets, *Int. J. Climatol.*, 42(2), 1165–1180, doi:[10.1002/joc.7295](https://doi.org/10.1002/joc.7295).
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63. Scherllin-Pirscher, B., **A. K. Steiner**, R. A. Anthes, M. J. Alexander, S. P. Alexander, R. Biondi, T. Birner, J. Kim, W. J. Randel, S-W. Son, T. Tsuda, Z. Zeng (2021), Tropical temperature variability in the UTLS: New insights from GPS radio occultation observations, *J. Climate*, 34(8), 2813–2838, doi:[10.1175/JCLI-D-20-0385.1](https://doi.org/10.1175/JCLI-D-20-0385.1). (published online 2020), (Review paper).
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