

References

Nathan Sage

February 23, 2026

Paper 1 [[CAK⁺25](#)] Paper 2 [[HGY⁺24](#)] Paper 3 [[MCH⁺25](#)] Paper 4 [[VSP⁺17](#)] Paper 5 [[WSH⁺25](#)]

References

- [CAK⁺25] Salva Rühling Cachay, Miika Aittala, Karsten Kreis, Noah Brenowitz, Arash Vahdat, Morteza Mardani, and Rose Yu. Elucidated rolling diffusion models for probabilistic forecasting of complex dynamics. *ArXiv preprint ArXiv:2506.20024*, 2025.
- [HGY⁺24] Langwen Huang, Lukas Gianinazzi, Yuejiang Yu, Peter D. Düben, and Torsten Hoeferl. DiffDA: A diffusion model for weather-scale data assimilation. *ArXiv preprint ArXiv:2401.05932*, 2024.
- [MCH⁺25] Peter Manshausen, Yair Cohen, Peter Harrington, Jaideep Pathak, Mike S. Pritchard, Piyush Garg, Morteza Mardani, Karthik Kashinath, Simon Byrne, and Noah D. Brenowitz. Generative data assimilation of sparse weather station observations at kilometer scales. *Journal of Advances in Modeling Earth Systems*, 17(10):e2024MS004505, 2025.
- [VSP⁺17] Ashish Vaswani, Noam Shazeer, Niki Parmar, Jakob Uszkoreit, Llion Jones, Aidan N. Gomez, Łukasz Kaiser, and Illia Polosukhin. Attention is all you need. *ArXiv preprint ArXiv:1706.03762*, 2017.
- [WSH⁺25] Lingxiao Wang, Snorre Stamnes, Sunzid Hassan, Alexander Isiani, Cheston Sturdivant, Hoang My Le, and Khan Raqib Mahmud. Deep learning-based aerosol and ocean data retrieval from satellite polarimeter measurements. In *IEEE SoutheastCon*, pages 1542–1547, 2025.