

Curriculum Vitae

Dustin J. Swales

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Professional Experience

Software Engineer III (NCAR/JNT/RAL)	04/2022 – present
Associate Scientist III (University of Colorado Boulder/CIRES)	05/2017 – 04/2022
Associate Scientist II (University of Colorado Boulder/CIRES)	05/2012 – 05/2017
Research Associate (I.M. Systems Group, Rockville, MD)	08/2009 – 05/2012

Education

M.S., Meteorology, Pennsylvania State University,	05/2009
B.S., Meteorology, Pennsylvania State University,	05/2007

Publications

Mahoney, K., J. Scott, M. Alexander, R. McCrary, M. Hughes, **D. Swales**, and M. Bukovsky (2021), Cool season precipitation projections for California and the Western United States in NA-CORDEX models. *Climate Dynamics* **56**, 3081–3102, doi: [10.1007/s00382-021-05632-z](https://doi.org/10.1007/s00382-021-05632-z)

Dole, R., R. Spackman, W. Otto, O. Persson, X. Quan, I. Rangwala, M. Newman, G. Compo, C. Smith, L. Hartten, J. Barsugli, R. Webb, M. Hoerling, R. Cifelli, K. Wolter, C. Barnet, M. Gehne, R. Gelaro, G. Kiladis, S. Abbott, E. Akish, J. Albers, J. Brown, C. Cox, L. Darby, G. de Boer, B. DeLuisi, J. Dias, J. Dunion, J. Eischeid, C. Fairall, A. Gambacorta, B. Gorton, A. Hoell, J. Intrieri, D. Jackson, P. Johnston, R. Lataitis, K. Mahoney, K. McCaffrey, H. McColl, M. Mueller, D. Murrurray, P. Ne, A. Ray, D. Reynolds, E. Dellaripa, K. Rosenlof, N. Sakaeda, P. Sardeshmukh, L. Slivinski, L. Smith, A. Solomon, **D. Swales**, S. Tulich, A. White, G. Wick, M. Winterkorn, D. Wolfe and R. Zamora (2018), ADVANCING SCIENCE AND SERVICES DURING THE 2015/16 EL NINO The NOAA El Nino Rapid Response Field Campaign. *Bulletin of the American Meteorological Society*, **99**, 975-1001, doi: [10.1175/BAMS-D-16-0219.1](https://doi.org/10.1175/BAMS-D-16-0219.1).

Zhang, Y., S. Xie, S. Klein, R. Marchand, P. Kollias, E. Clothiaux, W. Lin, K. Johnson, **D. Swales**, A. Bodas-Salcedo, S. Tang, J. Haynes, S. Collis, M. Jensen, N. Bharadwaj, J. Hardin and B. Isom (2018), The ARM Cloud Radar Simulator for Global Climate Models Bridging Field Data and Climate Models. *Bulletin of the American Meteorological Society*, **99**, 21-26, doi: [10.1175/BAMS-D-16-0258.1](https://doi.org/10.1175/BAMS-D-16-0258.1).

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

Swales, D., R. Pincus and A. Bodas-Salcedo (2018), The Cloud Feedback Model Intercomparison Project Observational Simulator Package: Version 2. *Geoscientific Model Development*, **11**, 77–81, doi: [10.5194/gmd-11-77-2018](https://doi.org/10.5194/gmd-11-77-2018).

Swales, D., M. Alexander, and M. Hughes (2016), Examining moisture pathways and extreme precipitation in the U.S. Intermountain West using self-organizing maps, *Geophysical Research Letters*, **43**, 1727–1735, doi: [10.1002/2015GL067478](https://doi.org/10.1002/2015GL067478).

Alexander, M. A., J. D. Scott, **D. Swales**, M. Hughes, K. Mahoney and C. A. Smith (2015), Moisture pathways into the U.S. intermountain west associated with heavy winter precipitation events, *Journal of Hydrometeorology*, **16**, 1184-1206, doi: [10.1175/JHM-D-14-0139.1](https://doi.org/10.1175/JHM-D-14-0139.1)

Scott, J., M. Alexander, D. Murray, **D. Swales**, and J. Eischeid, (2015), The Climate Change Web Portal: a system to access and display climate and earth system model output from the CMIP5 archive. *Bulletin of the American Meteorological Society*, **April**, 523-530, doi: [10.1175/BAMS-D-15-00035.1](https://doi.org/10.1175/BAMS-D-15-00035.1)

Swales, D., G. S. Young, T. D. Sikora, N. S. Winstead, H. N. Shirer (2012). Synthetic aperture radar remote sensing of shear-driven atmospheric internal gravity waves in the vicinity of a warm front. *Monthly Weather Review*, **140**, 1872–1882, doi: [10.1175/MWR-D-11-00233.1](https://doi.org/10.1175/MWR-D-11-00233.1).

Presentations/Meeting

AGU Fall Meeting, Washington D.C. (December 2018)

CFMIP Conference on Cloud Processes, Circulation and Climate Sensitivity. Boulder, CO (October 2018)

CFMIP Observational Simulator Package (COSP) Workshop, Paris, France (February 2017)

AMS 17th Conference in Mountain Meteorology, Burlington, VT (June 2016)

CFMIP Conference on Cloud Processes, Circulation and Climate Sensitivity. Trieste, Italy (July 2016).

Climate Data and Tools to Support Fisheries in the Northeast Workshop, Woods Hole, MA (June 2014).

CEOS 8th Atmospheric Composition Constellation Meeting, Columbia MD (April 2012).

Professional Commitments

COSP Project Management Committee Co-Chair

(11/2021 - Present)

COSP Project Management Committee

(02/2017 - 11/2021)