

Authors in *italics* are students/postdoctoral scholars mentored by **L. A. McMurdie**  
Contributions by **L. A. McMurdie** for multi-author papers are described at the end of the citation.

*Refereed Articles in review*

Conrick, R., C. F. Mass, **L. A. McMurdie**, 2022: Improving microphysics representation in numerical models using a lognormal cloud water distribution. Submitted to *Mon. Wea. Rev.*, in review

Varcie, M. M., T. J. Zaremba, R. M. Rauber, G. M. McFarquhar, J. A. Finlon, **L. A. McMurdie**, D. J. Delene, M. R. Poellet, M. McLinden, A. Ryzkov, F. Waitz, and M. Schnaiter: Precipitation growth processes in the comma head region of the 7 February 2020 Northeast snowstorm: results from IMPACTS. Submitted to *Journal of Atmospheric Sciences*, in review. (*Contributed analysis and interpretation to the study*)

*Published Refereed Articles*

Finlon, J. A., **L. A. McMurdie**, R. J. Chase, 2022: Investigation of microphysical properties within regions of enhanced dual-frequency ratio during the IMPACTS field campaign. *J. Atmos. Sci.*, published online 22 June 2022, <https://doi.org/10.1175/JAS-D-21-0311.1>.

**McMurdie, L. A.**, G. Heymsfield, J. Yorks, S. A. Braun, G. Skofronick-Jackson, R. Rauber, S. Yuter, B. Colle, G. McFarquhar, M. Poellet, D. Novak, T. Lang, R. Kroodsma, M. McLinden, J. Finlon, V. McDonald, S. Nicholls, M. Oue, P. Kollias, S. Brodzik, 2022: Chasing Snowstorms: The Investigation of Microphysics and Precipitation for Atlantic Coast-threatening Snowstorms (IMPACTS) Campaign. *Bull. Amer. Meteor. Soc.*, **103**, E1243-E1269. DOI: <https://doi.org/10.1175/BAMS-D-20-0246.1>

Sasaki, C., A. K. Rowe, **L. A. McMurdie**, K. L. Rasmussen, 2022: New Insights into the South American Low-Level Jet from RELAMPAGO Observations. *Mon. Wea. Rev.*, 150, 1247-1271. DOI: <https://doi.org/10.1175/MWR-D-21-0161.1>

DeLaFrance, A., **L. A. McMurdie**, A. K. Rowe, 2021: Orographically Modified Ice-Phase Precipitation Processes During the Olympic Mountains Experiment (OLYMPEX). *J. Atmos. Sci.*, **78**, 3814-3833, DOI: <https://doi.org/10.1175/JAS-D-21-0091.1>

Nesbitt, S. W., P. Salio, E. Ávila, P. Bitzer, L. Carey, V. Chandrasekar, W. Deierling, F. Dominguez, M. E. Dillon, C. M. Garcia, D. Gochis, S. Goodman, D. A. Hence, K. Kosiba, M. Kumjian, T. Lang, L. M. Luna, J. Marqis, R. Marshall, **L. McMurdie**, E. Nascimento, K. L. Rasmussen, R. Roberts, A. K. Rowe, J. J. Ruiz, E. Sao Sabbas, C. Saulo, R. S. Schumacher, Y. G. Skabar, L. Augusto, T. Machado, R. Trapp, A. Varble, J. Wilson, J. Wurman, E. Zipser, A. Arias, H. Bechis, and M. Grover, 2021: A storm safari in Subtropical South America: Proyecto RELAMPAGO. *Bull. Amer. Meteorol. Soc.*, **102**, E1621-1644. DOI: <https://doi.org/10.1175/BAMS-D-20-0029.1>. (*Contributed to the field campaign described and authored specific sections of manuscript*).

Varble, A., S. Nesbitt, P. Salio, J. C. Hardin, N. Bharadwaj, P. Borque, P. DeMott, Z. Feng, T. Hill, J. Marquis, A. Matthews, F. Mei, R. Oktem, V. Castro, L. Goldberger, A. Hunzinger, K. Barry, S. Kreidenweis, G. M. McFarquhar, **L. McMurdie**, M. Pekour, H. Powers, D. M. Romps, C. Saulo, B. Schmid, J. Tomlinson, S. van den Heever, A. Zelenyuk, Z. Zhang, and E. Zipser, 2021: Utilizing a storm-generating hotspot to study convective cloud transitions: The CACTI Experiment. *Bull. Amer. Meteorol. Soc.*, **102**, E1621-E1644. DOI: <https://doi.org/10.1175/BAMS-D-20-0030.1>

(Participated in the field campaign described and contributed to the writing in specific sections).

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(Contributed to the analysis and interpretation of the data used in the study).

Donohoe, A., E. Dawson, **L. A. McMurdie**, D. S. Battisti, A. Rhines, 2020: Seasonal asymmetries in the lag between insolation and surface temperature. *J. Clim.*, **33**, 3921 – 3945. <https://doi.org/10.1175/JCLI-D-19-0329.1>. (Co-mentored undergraduate student, Eliza Dawson and contributed to the writing of the manuscript).

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Riihimaki, L., R. A. Houze, Jr., **L. A. McMurdie**, K. Dorsey, 2019: Training a new generation of data-savvy atmospheric researchers. *EOS*, 100, <https://doi.org/10.1029/2019/EO114793>. Published on 30 January 2019. (All authors contributed equally to the project described and the writing of the article).

**McMurdie, L. A.**, A. K. Rowe, J. P. Zagrodnik, R. A. Houze, Jr., S. Brodzik, T. Schuldt, 2018: Terrain Impacted Precipitation Processes above the Melting Layer: Results from OLYMPEX. *J. Geophys. Res.*, **123**. <https://doi.org/10.1029/2018JD029161>.

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145, 4445-4466. <https://doi.org/10.1175/MWR-D-17-0004.1> (Provided analysis and wrote several sections of the article.)

*Non-referred materials: public articles, datasets, technical memos*

**McMurdie, L. A.** and J. Boomgard-Zagrodnik, 2021: What's the record for how long it's ever rained without stopping? The Conversation, <https://theconversation.com/whats-the-record-for-how-long-its-ever-rained-without-stopping-167869> Published December 21, 2021.

**McMurdie, L.A.**, Heymsfield, G., Yorks, J.E., and Braun, S.A. 2019. Investigation of Microphysics and Precipitation for Atlantic Coast-Threatening Snowstorms (IMPACTS) Collection. Data available online [<http://ghrc.nsstc.nasa.gov/>] from the NASA EOSDIS Global Hydrology Resource Center Distributed Active Archive Center, Huntsville, Alabama, U.S.A.  
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**McMurdie, L. A.**, R. A. Houze, Jr., C. R. Mass, J. D. Lundquist, D. P. Lettenmaier, W. Petersen, M. Schwaller, 2013: Implementation Plan for OLYMPEX. Internal Document. Copies available at: <http://olympex.atmos.washington.edu/meetings/meeting1.html>

*Published Refereed Articles from before Research Associate Professor Appointment*

**McMurdie, L. A.** and B. Ancell, 2014: Predictability characteristics of land-falling cyclones along the North American west coast. *Mon. Wea. Rev.*, **142**, 301-319.

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