

IDENTIFYING INFORMATION:

NAME: Delene, David James

ORCID iD: <https://orcid.org/0000-0002-3733-6021>

POSITION TITLE: Research Professor and Aerospace Research Fellow

PRIMARY ORGANIZATION AND LOCATION: University of North Dakota, Department of Atmospheric Sciences, Grand Forks, ND, United States

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
University of Wyoming, Laramie, WY, United States	PHD	12/1998	Atmospheric Sciences
Michigan Technological University, Houghton, MI, United States	MS	08/1995	Geophysics
Michigan Technological University, Houghton, MI, United States	BS	05/1993	Applied Physics

Appointments and Positions

2019 - present	Research Professor and Aerospace Research Fellow, University of North Dakota, Department of Atmospheric Sciences, Grand Forks, ND, United States
2023 - present	Aerospace Research Fellow, University of North Dakota, John D. Odegard School of Aerospace Sciences, Grand Forks, ND, United States
2011 - 2019	Associate Research Professor, University of North Dakota, Department of Atmospheric Sciences, Grand Forks, ND, United States
2002 - 2011	Assistant Research Professor, University of North Dakota, Department of Atmospheric Sciences, Grand Forks, ND, United States
2001 - 2002	Scientific Computing Research Associate, University of North Dakota, John D. Odegard School of Aerospace Sciences, Grand Forks, ND, United States
1999 - 2001	Research Associate, Cooperative Institute for Research in Environmental Sciences, Boulder, CO, United States

Products**Products Most Closely Related to the Proposed Project**

1. Gapp N, Delene D, Schmidt J, Harasti P. Comparison of Concurrent Radar and Aircraft Measurements in Florida Thunderstorm Cirrus Anvils. Journal of the Atmospheric Sciences. 2025 January 01; 82(aop):15-176. Available from: <https://journals.ametsoc.org/view/journals/atsc/aop/JAS-D-24-0014.1/JAS-D-24-0014.1.xml> DOI: 10.1175/JAS-D-24-0014.1
2. Schima J, McFarquhar G, Delene D, Heymsfield A, Bansemer A, Schnaiter M, Finlon J, Järvinen E, Nehlert F. A Multi-Probe Automated Classification of Ice Crystal Habits During the IMPACTS Campaign. Journal of Geophysical Research: Atmospheres. 2024; 129(22):e2024JD040895. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1029/2024JD040895> DOI: 10.1029/2024JD040895

3. Schmidt J, Flatau P, Harasti P, Yates R, Delene D, Gapp N, Kohri W, Vetter J, Nachamkin J, Parent M, Hoover J, Anderson M, Green S, Bennett J. Radar Detection of Individual Raindrops. *Bulletin of the American Meteorological Society*. 2019 December 01; 100(12):2433-2450. Available from: <https://journals.ametsoc.org/bams/article/100/12/2433/344452/Radar-Detection-of-Individual-Raindrops> DOI: 10.1175/BAMS-D-18-0130.1
4. Skow A, Poellot M, Delene D, Askelson M, North K, Oue M. A Multi-Platform, In-Situ Kinematic and Microphysical Analysis of a Hybrid Parallel/Trailing Stratiform Mesoscale Convective System. *Monthly Weather Review*. 2022 February 01; -1(aop). Available from: <https://journals.ametsoc.org/view/journals/mwre/aop/MWR-D-21-0009.1/MWR-D-21-0009.1.xml> DOI: 10.1175/MWR-D-21-0009.1
5. Delene D. Airborne data processing and analysis software package. *Earth Science Informatics*. 2011 March 01; 4(1):29-44. Available from: <http://link.springer.com/article/10.1007/s12145-010-0061-4> DOI: 10.1007/s12145-010-0061-4

Other Significant Products, Whether or Not Related to the Proposed Project

1. Gupta S, McFarquhar G, O'Brien J, Poellot M, Delene D, Chang I, Gao L, Xu F, Redemann J. In situ and satellite-based estimates of cloud properties and aerosol–cloud interactions over the southeast Atlantic Ocean. *Atmospheric Chemistry and Physics*. 2022 October 07; 22(19):12923-12943. Available from: <https://acp.copernicus.org/articles/22/12923/2022/> DOI: 10.5194/acp-22-12923-2022
2. Varcie M, Zaremba T, Rauber R, McFarquhar G, Finlon J, McMurdie L, Ryzhkov A, Schnaiter M, Järvinen E, Waitz F, Delene D, Poellot M, McLinden M, Janiszeski A. Precipitation Growth Processes in the Comma Head Region of the 7 February 2020 Northeast Snowstorm: results from IMPACTS. *Journal of the Atmospheric Sciences*. 2022 September 16; -1(aop). Available from: <https://journals.ametsoc.org/view/journals/atsc/aop/JAS-D-22-0118.1/JAS-D-22-0118.1.xml> DOI: 10.1175/JAS-D-22-0118.1
3. Dunnavan E, Carlin J, Hu J, Bukovčić P, Ryzhkov A, McFarquhar G, Finlon J, Matrosov S, Delene D. Radar Retrieval Evaluation and Investigation of Dendritic Growth Layer Polarimetric Signatures in a Winter Storm. *Journal of Applied Meteorology and Climatology*. 2022 July 15; -1(aop). Available from: <https://journals.ametsoc.org/view/journals/apme/aop/JAMC-D-21-0220.1/JAMC-D-21-0220.1.xml> DOI: 10.1175/JAMC-D-21-0220.1
4. Gupta S, McFarquhar G, O'Brien J, Poellot M, Delene D, Miller R, Small Griswold J. Factors affecting precipitation formation and precipitation susceptibility of marine stratocumulus with variable above- and below-cloud aerosol concentrations over the Southeast Atlantic. *Atmospheric Chemistry and Physics*. 2022 March 02; 22(4):2769-2793. Available from: <https://acp.copernicus.org/articles/22/2769/2022/> DOI: 10.5194/acp-22-2769-2022
5. Varcie M, Zaremba T, Rauber R, McFarquhar G, Finlon J, McMurdie L, Ryzhkov A, Schnaiter M, Järvinen E, Waitz F, Delene D, Poellot M, McLinden M, Janiszeski A. Precipitation Growth Processes in the Comma-Head Region of the 7 February 2020 Northeast Snowstorm: Results from IMPACTS. *Journal of the Atmospheric Sciences*. 2022 December 13; 80(1):3-29. Available from: <https://journals.ametsoc.org/view/journals/atsc/80/1/JAS-D-22-0118.1.xml> DOI: 10.1175/JAS-D-22-0118.1

Certification:

I certify that the information provided is current, accurate, and complete. This includes but is not limited to current, pending, and other support (both foreign and domestic) as defined in 42 U.S.C. § 6605.

I also certify that, at the time of submission, I am not a party to a malign foreign talent recruitment program.

Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Delene, David James in SciENCv on 2025-02-05 10:50:07