

ADAM DEITSCH

PhD Student
Albany, NY 12226
(518) 285-0778 | adeitsch@albany.edu

EDUCATION

PhD, University at Albany <i>Atmospheric Science</i> Graduate Advisor: Dr. Sara Lance	Expected May 2027 Albany, NY
BS, Broward College <i>Environmental Science, Physical Science Concentration</i> <i>magna cum laude</i> Undergraduate Advisor: Dr. David Serrano	May 2021 Davie, FL

HONORS AND AWARDS

American Meteorological Society <i>Best Student Poster Presentation</i> 14 th Conference on Environmental Health	February 2023
NCAS-M II Graduate Fellowship <i>Agreement #NA22SEC4810015</i> Cohort 1	2023 – 2025
NCAS-M Graduate Fellowship <i>Agreement #NA16SEC4810006</i> Cohort 5	2021 – 2023
National Science Foundation <i>Award #1564652</i> s-STEM “STRIDES” Scholarship	2019 – 2021

LICENSES AND CERTIFICATIONS

NASA Transform to Open Science Open Science Certification	December 2023
Climate Reality Project Certified Climate Reality Leader	September 2020
CLEO Institute Certified Climate Speaker	March 2020

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

International Association for Urban Climate Registered Member	April 2023 - Present
American Meteorological Society Graduate Student Member	August 2022 - Present

PEER-REVIEWED PUBLICATIONS AND PRESENTATIONS

Deitsch, A. M., Zhang, J., Catena, A. Schwab, M. J., Schwab, J. J., Lance, S. M. (2025, January 13). *Leveraging the High-Resolution Time-of-Flight Aerosol Mass Spectrometer to Measure PFAS Aerosols*. [Oral Presentation]. American Meteorological Society 105th Annual Meeting, 27th Conference on Atmospheric Chemistry. <https://ams.confex.com/ams/105ANNUAL/meetingapp.cgi/Paper/456696>

Deitsch, A. M. (2024, July 9). *PFAS at Whiteface: A Peek at Forever Chemicals in the Adirondack Mountains*. [Oral Presentation]. ASRC Summer 2024 Raymond Falconer Lecture Series. https://whiteface.asrc.albany.edu/documents/ASRC_Falconer_Lecture_Series_Summer_2024.pdf

Deitsch, A. M., Lawrence, C. E., Casson, P., Lance, S. M., Shafer, M. M., Offenberg, J. H., & Puchalski, M. A. (2024, January 31). *Per- and Polyfluoroalkyl Substances (PFAS) in Cloud Water and Precipitation Samples from Whiteface Mountain, NY*. [Poster Presentation]. American Meteorological Society 104th Annual Meeting, 26th Conference on Atmospheric Chemistry. <https://ams.confex.com/ams/104ANNUAL/meetingapp.cgi/Paper/439242>

Deitsch, A. M., Lawrence, C. E., Casson, P., Lance, S. M., Shafer, M. M., Offenberg, J. H., & Puchalski, M. A. (2023, October 26). *A Comparison of Persistent Pollutant Concentrations in Cloud Water and Precipitation Collected in the Adirondack Mountains*. [Oral Presentation]. National Atmospheric Deposition Program Fall Meeting and Scientific Symposium, Advances in Measurements of Atmospheric Pollution – Part 1. https://nadp.slh.wisc.edu/conf/2023/S4_05_Deitsch.html

Deitsch, A. M., Zhang, J., Vladar, A., Andrews, E., Quinn, P. K., Lance, S. M. (2022, January 9). *Assessing filter-based measurements for evidence of atmospheric micro- and nano- plastic (MNP) particulate matter through laboratory analysis*. [Poster Presentation]. American Meteorological Society 103rd Annual Meeting: 14th Conference on Environment and Health, Denver, CO. <https://ams.confex.com/ams/103ANNUAL/meetingapp.cgi/Paper/417589>

Offenberg, J. H., Lance, S., **Deitsch, A.**, Lawrence, C., Casson, P., Puchalski, M., & Shafer, M. (2022, November 17) *Initial Evaluation of Cloud Water Content of Per- and Polyfluorinated Compounds in Archived Samples from Whiteface Mountain, NY*. [Oral Presentation]. National Atmospheric Deposition Program Fall Meeting and Scientific Symposium, Tracking Emerging Pollutants and Climate Change Indicators. https://nadp.slh.wisc.edu/wp-content/uploads/2022/11/NADP_pro_2022.pdf#page=55

Deitsch, A. (2021, April 22). *Paxton series: the state soil of Massachusetts*. [Poster Presentation]. Broward College 2021 Student Research Symposium: Environmental Science, Davie, FL. <http://purl.flvc.org/broward/fd/BC3351>

Deitsch, A. (2020, June 15). *Determining the extent of saltwater influence on groundwater in Dr. Von D. Mizell-Eula State Park*. [Poster Presentation]. Broward College 2020 Student Research Symposium: Environmental Science, Davie, FL.
<http://purl.flvc.org/broward/fd/BC747>

OUTREACH AND SERVICE

Forest Preserve Summit

Exhibitor

September 2024

Goal: Discuss New York State Budget for conservation, protection and sustainability in the Catskills and Adirondack Forest Preserves Set with regard to community engagement, conservation, education, recreation, and research in these environmental regions to ensure their protection and sustainability.

Falconer Lecture Series

Lecturer

July 2024

Goal: Connect with community members and stewards about our ongoing research in the local area.

https://whiteface.asrc.albany.edu/documents/ASRC_Falconer_Lecture_Series_Summer_2024.pdf

Adirondack Day Showcase

Exhibitor

May 2024

Goal: Showcase the economic diversity related to the Adirondacks, including the science conducted at Whiteface Mountain, while interacting with government representatives and the public.

<https://www.adirondackalmanack.com/2024/05/adirondack-day-presents-adirondack-region-information-to-state-lawmaker.html>

GEMS Mentorship Program

Mentor

September 2023 – May 2024

Goal: Increase accessibility of graduate programs and funding by providing mentorship for undergraduate and early-stage graduate students.

<https://gems-program.org/>

UAlbany Weather, Climate & Chemistry Camp

Counselor, Lecturer, Mentor

August 2022; 2023; 2024

Goal: Expose local students to career opportunities and applying for, funding, and going to college, as well as providing hands-on experiences and presentations on weather, climate, and atmospheric chemistry.

<https://www.atmos.albany.edu/facstaff/jminder/UAWCCamp/>

COMPUTER SKILLS

Proficient in Google Docs and Sheets; Microsoft Excel, Outlook, PowerPoint, and Word; TSI Aerosol Instrument Manager, Python

Basic knowledge in ArcMap, ArcGIS, ArcGIS Pro, IGOR Pro, R Studio

RELEVANT COURSEWORK

Mathematics

College Algebra (MAC1105); Pre-Calculus Algebra (MAC1140), Calculus & Analytical Geometry (MAC2311, MAC2312); Statistics (STA2023, PCB4454C); Trigonometry (MAC1114)

Biological Sciences

Biology (BSC2010, BSC2010L, BSC2011, BSC2011L); Ecology (PCB4043); Entomology (ENY3005, ENY3005L)

Chemistry

Atmospheric Chemistry (AATM507); General Chemistry (CHM1040, CHM1041, CHM1041L, CHM1046, CHM1046L)

Computer Programing

Data Analysis in Atmospheric & Environmental Sciences (AATM561), Geographical Information Systems (GIS1040C, GIS1042C), Geophysical Data Analysis & Visualization (AATM533)

Geological Sciences

Atmospheric Dynamics (AATM500), Boundary Layer Processes of Urban Environments (AATM629), Coastal Marine Science (GLY4731); Earth Science (ESC1000, ESC1000L); Environmental Geology (GLY4203); Global Environmental Change (GLY4746); Hydrogeology (GLY4820, GLY4820L); Oceanography (OCE3008); Soil Science (SWS3006); Weather, Climate Change, and Societal Impacts (AATM543)

Physics

Aerosol Physics (AATM515), Atmospheric Physics (AATM504, AATM505); General Physics with Calculus (PHY2048, PHY2048L, PHY2049, PHY2049L)

Scientific Writing

Science Communication (BSC4826)