

IVY TAN

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PROFESSIONAL EXPERIENCE

- **Assistant Professor** *Aug. 14, 2025 - present*
Physics, University of Colorado Boulder *Boulder, CO*
- **Visiting Assistant Professor** *Jun. 1, 2025 - August 13, 2025*
Physics, University of Colorado Boulder *Boulder, CO*
- **Assistant Professor** *Aug. 1, 2020 - May 31, 2025 (Accepted May 2019)*
Atmospheric & Oceanic Sciences, McGill University *Montreal, Canada*
- **Research Associate** *Nov. 16, 2018 - Jul. 31, 2020*
Climate & Radiation Laboratory, NASA Goddard Space Flight Center *Greenbelt, MD*
Maternity leave: June - July 2019
- **Postdoctoral Fellow** *Oct. 15, 2016 - Nov. 15, 2018*
Climate & Radiation Laboratory, NASA Goddard Space Flight Center *Greenbelt, MD*
Maternity leave: January 2017

EDUCATION

- **Yale University** *New Haven, CT*
Ph. D. in Earth & Planetary Sciences *2016*
- **University of Toronto** *Toronto, Canada*
Hon. B. Sc. in Physics & Mathematics *2009*

FELLOWSHIPS AND GRANTS

- **Canadian Space Agency (CSA)** *2024-2026*
Role: Co-Investigator
“Proposal title: AOS/HAWC Science Development Team” \$1.5M
- **FRQNT: Research Support for New Academics** *2023-2025*
Role: Principal Investigator
“Inferring and constraining the Arctic cloud feedback in global climate models” \$60K
- **Wares Science Innovation Prospectors Fund, McGill University** *2023-2025*
Role: Principal Investigator
“Constraining uncertainty in Earth’s climate projections with far-infrared radiation” \$50K
- **U. S. Department of Energy Atmospheric System Research** *2022-2025*
Role: Principal Investigator
“Exploiting ground-based observations to infer Arctic cloud feedbacks” ~\$435K
Co-Investigator: Yi Huang (McGill University)
Collaborators: David Turner (NOAA), Sergey Matrosov (University of Colorado)
- **NASA ROSES: CloudSat and CALIPSO Science Team Re compete** *2022-2025*
Role: Co-Investigator
Principal Investigator: Lauren M. Zamora (NASA GSFC)
“Aerosol microphysical effects on clouds in a warming Arctic”

- **Canada Foundation for Innovation JELF** 2022 - 2027
 Role: Principal Investigator
 “Understanding and constraining cloud feedbacks” ~\$233K
- **NSERC Discovery Grant** 2021-2026
 Role: Principal Investigator
 “Understanding and constraining extratropical clouds in Earth’s present and changing climate” ~\$188K
- **Compute Canada Resources for Research Groups** 2021 - 2022
 Role: Principal Investigator
 ~4.3 million core-hours per calendar year
- **NASA ROSES: The Science of Terra, Aqua, and Suomi NPP** 2018–2020
 Role: Principal Investigator
 “Investigating the extratropical cloud optical depth feedback with MODIS, AIRS, CERES and AMSR” ~\$480K USD
 Co-Investigators: Lazaros Oreopoulos (NASA GSFC), Mark D. Zelinka (LLNL), Brian H. Kahn (JPL), Collaborator: Daniel T. McCoy (University of Leeds)
- **NASA Postdoctoral Program Fellowship** 2016–2018
 “The role of thermodynamic phase shifts in the interannual low cloud optical depth feedback” ~\$128K USD + ~\$18K USD travel allowance
- **NASA Earth and Space Science Fellowship** 2014–2016
 “Improving cloud phase predictions through the use of CALIOP retrievals” ~\$66K USD
- **CISL University Large Allocation** 2014–2015
 7.7 million core-hours

SELECTED ACADEMIC AWARDS

- AGU Outstanding Student Paper Award 2015
- Elias Loomis Prize for “*excellence in studies of physics of the earth*” 2015
 Department of Geology & Geophysics, Yale University
- EGU Outstanding Student Poster Award 2015
- Marie Curie Sklodowska Association Undergraduate Scholarship 2008
 Department of Physics, University of Toronto

PUBLICATIONS

1. Catherine Stauffer*, **Ivy Tan**, Sergey Matrosov. A microphysical decomposition of surface cloud feedbacks associated with mixed-phase stratiform clouds in the Arctic, in prep.
2. Calvin Coulbury*, **Ivy Tan**, David Turner, Chen Zhou. Insights into the low-level stratiform cloud optical depth feedback based on two decades of observations at the North Slope of Alaska, under review in *Atmospheric Chemistry and Physics*
3. Jiseob Kim*, First-Light EarthCARE CPR observations of dynamics–microphysics coupling in marine cold-Air outbreak clouds, under review in *Geophys. Res. Lett.*
4. Rui Zhou, Tingfeng Dou, Chen Zhou, **Ivy Tan**, Gaojie Xu, Yifan Yang, Xianda Gong, Xiaoming Ju, Aihui Wang, Cunde Xiao. Climate sensitivity in CMIP6 models closely related to the simulation bias of cloud ice fraction, *Science Advances*, under revision.

* indicates advised graduate student or postdoctoral researcher

5. Tingfeng Dou, Gaojie Xu, Yifan Yang, Rui Zhou, Guohang Yu, **Ivy Tan**, Andrew J. Heymsfield, Jianbin Huang, Jinfang Yin, Minghu Ding, Yanluan Lin, Adam B. Sokol, Cunde Xiao, Dahe Qin. Tropospheric ice in a warming world, *Nature Communications*, under revision.
6. Jiseob Kim*, Pavlos Kollias, Bernat Puigdomenech Treserras, Alessandro Battaglia, **Ivy Tan**. Evaluation of the EarthCARE Cloud Profiling Radar (CPR) doppler velocity measurements during surface-based observations, 25(21), *Atmos. Chem. Phys.*, 15389–15402, (2025), doi:acp-25-15389-2025
7. **Ivy Tan**. The climatic impacts of a satellite-based parameterization of the Wegener-Bergeron-Findeisen process for large-scale models, *J. Adv. Model. Earth Syst.*, 17, e2024MS004645 (2025), doi:10.1029/2024MS004645
8. Catherine Stauffer*, **Ivy Tan**, Sergey Matrosov. Aerosol and meteorological influences on mixed-phase stratiform clouds at North Slope of Alaska, 52(11), e2025GL114815, (2025), doi:10.1029/2025GL114815
9. T. Mauritsen, Y. Tsushima, B. Meyssignac, N. G. Loeb, M. Hakuba, P. Pilewskie, J. Cole, K. Suzuki, T. P. Ackerman, R. P. Allan, T. Andrews, F. A.-M. Bender, J. Bloch-Johnson, A. Bodas-Salcedo, A. Brookshaw, P. Ceppi, N. Clerbaux, A. E. Dessler, A. Donohoe, J.-L. Dufresne, V. Eyring, K. Findell, A. Gettelman, J. J. Gristey, E. Hawkins, P. Heimbach, H. T. Hewitt, N. Jevanjee, C. Jones, S. M. Kang, S. Kato, J. E. Kay, S. A. Klein, R. Knutti, R. Kramer, J.-Y. Lee, D. T. McCoy, B. Medeiros, L. Megner, A. Modak, T. Ogura, M. D. Palmer, D. Paynter, J. Quaas, V. Ramanathan, M. Ringer, K. von Schuckmann, S. Sherwood, B. Stevens, **I. Tan**, G. Tselioudis, R. Sutton, A. Voigt, M. Watanabe, M. J. Webb, M. Wild, M. D. Zelinka. Earth’s energy accumulation rate more than doubled, and we must pay close attention, *AGU Advances*, 6(3), (2025), doi:10.1029/2024AV001636
10. J. Langile, L. A. Rieger, Y. Blanchard, J.-P. Blanchet, A. Bourassa, D. Degenstein, Y. Huang, K. Strong, K. Walker, D. Zawada, S. Braun, J. Cole, Z. Mariani, C. McLinden, D. Paquin-Ricard, C. Sioris, Z. Qu, M. Wolde, X. Wang, H. A. Al-Abadleh, P. Ariya, H. Beltrami, R. Chang, C. Fletcher, C. Goldblatt, P. Grenier, J. Gyakum, P. Kushner, A. Di Luca, A. H. MacDougall, N. O’Neill, F. Pausata, R. Sica, **I. Tan**, J. M. Theriault, S. Tegtmeier, M. Toohey, A. Wiacek, and W. Ward. The High-altitude Aerosols, Water vapour and Clouds mission: concept, scientific objectives and data products, *Bulletin of the American Meteorology Society*, in press, doi:10.1175/BAMS-D-23-0309.1
11. **Ivy Tan**, Chen Zhou, Aubert Lamy*, Catherine Stauffer*. Moderate Climate Sensitivity Due to Opposing Feedbacks in Observationally-Constrained Mixed-Phase Clouds, *npj Climate and Atmospheric Science*, 8(1), (2025), doi:10.1038/s41612-025-00948-7
12. Chen Zhou, Qingming Wang, **Ivy Tan**, Lujun Zhang, Mark D. Zelinka, Minghuai Wang, Jonah Bloch-Johnson. Sea ice pattern effect on Earth’s energy budget is characterized by hemispheric asymmetry, *Science Advances*, 11(9), (2025) doi:10.1126/sciadv.adr4248
13. Calvin Coulbury*, **Ivy Tan**. Top of the Atmosphere Shortwave Arctic Cloud Feedbacks: A Comparison of Diagnostic Methods, *Geophysical Research Letters*, 51(1), e2023GL107780, (2024), doi:10.1029/2023GL107780
14. **Ivy Tan**, Mark D. Zelinka, Quentin Coopman*, Brian H. Kahn, Lazaros Oreopoulos, George Tselioudis, Daniel T. McCoy, Ninghui Li, Contributions from cloud morphological changes to the interannual cloud feedback based on MODIS and ISCCP satellite observations, *J. Geophys. Res.: Atmospheres*, 129(8), e2023JD040540, (2024), doi:10.1029/2023JD040540
15. Quentin Coopman*, **Ivy Tan**, Characterization of the spatial distribution of mixed-phase cloud thermodynamic phase with satellite observations, *Geophysical Research Letters*, 50(24), e2023GL104977 (2023), doi:10.1029/2023GL104977.

* indicates advised graduate student or postdoctoral researcher

16. Mark D. Zelinka, **Ivy Tan**, Lazaros Oreopoulos, George Tselioudis. Detailing cloud property feedbacks with a regime-based decomposition, *Climate Dynamics*, 60(9), 2983–3033 (2023), doi:10.1007/s00382-022-06488-7.
17. Daniel T. McCoy, Michelle Frazer, Johannes Mulmenstadt, **Ivy Tan**, Christopher Terai, Mark D. Zelinka. Extratropical cloud feedbacks, *Clouds and their Climatic Impacts: Radiation, Circulation, and Precipitation*, Chapter 5, AGU Geophysical Monograph Series, (2023), doi:10.1002/9781119700357.ch5
18. **Ivy Tan**, Georgia Sotiropoulou, Patrick Taylor, Lauren Zamora, Manfred Wendisch. A review of the factors influencing Arctic liquid-containing clouds: progress and outlook, *Clouds and their Climatic Impacts: Radiation, Circulation, and Precipitation*, Chapter 5, AGU Geophysical Monograph Series (invited), (2023), doi:10.1002/9781119700357.ch5
19. Casey J. Wall, Trude Storelvmo, Joel R. Norris, **Ivy Tan**. Observational constraints on Southern Ocean cloud-phase feedback, *Journal of Climate*, 35(15), 5087–5102, (2022), doi:10.1175/JCLI-D-21-0812.1.
20. **Ivy Tan**, Donifan Baraona. The impacts of immersion ice nucleation parameterization on Arctic mixed-phase stratiform cloud properties and the Arctic radiation budget in GEOS-5. *Journal of Climate*, 35(13), 4049–4070, (2022), doi:10.1175/JCLI-D-21-0368.1.
21. Daniel T. McCoy, Paul Field, Michelle Frazer, Mark D. Zelinka, Gregory Elsaesser, Johannes Mulmenstadt, **Ivy Tan**, Timothy Myers, Zachary Lebo. Extratropical shortwave cloud feedbacks in the context of the global circulation and hydrological cycle. *Geophysical Research Letters*, 49(8), e2021GL097154 (2022), doi:10.1029/2021GL097154.
22. **Ivy Tan**, Donifan Baraona, Quentin Coopman*. Potential link between ice nucleation and climate model spread in Arctic amplification. *Geophysical Research Letters*, 49(4), e2021GL097373, (2022), doi:10.1029/2021GL097373.
23. Patrick C. Taylor, Robyn C. Boeke, Linette N. Boisvert, Nicole Feldl, Matthew Henry, Yiyi Huang, Peter Langen, Wei Liu, Felix Pithan, Sergio Sejas, **Ivy Tan**. Process drivers, intermodel spread, and the path forward: A review of amplified Arctic warming, *Frontiers in Earth Science*, (2021), doi:10.3389/feart.2021.758361
24. Navjit Sagoo, Trude Storelvmo, Lily Hahn, **Ivy Tan**, Anthony J. Broccoli. Observationally constrained cloud phase unmasks orbitally driven climate feedbacks. *Geophysical Research Letters*, 48(6), e2020GL091873, (2021), doi:10.1029/2020GL091873.
25. Jasper Lewis, James R. Campbell, Simone Lolli, Sebastian A. Stewart, **Ivy Tan**, Ellsworth J. Welton. Determining cloud thermodynamic phase from the polarized micro pulse lidar. *Atmospheric Measurement Techniques*, 13(12), 6901–6913, (2020), doi:10.5194/amt-13-6901-2020.
26. **Ivy Tan**, Lazaros Oreopoulos, Nayeong Cho. The role of thermodynamic phase shifts in cloud optical depth variations with temperature. *Geophysical Research Letters*, 46(8), 4502–4511, (2019), doi:10.1029/2018GL081590.
27. **Ivy Tan**, Trude Storelvmo. Evidence of strong contributions from mixed-phase clouds to Arctic climate change. *Geophysical Research Letters*, 46(5), 2894–2902, (2019), doi:10.1029/2018GL081871.
28. **Ivy Tan**, Trude Storelvmo, Mark D. Zelinka. Chapter 10, The climatic impact of thermodynamic phase partitioning in mixed-phase clouds, *Mixed-Phase Clouds: Observations Modeling*. Editor: Constantin Andronache, Elsevier, 2018, doi:10.1016/B978-0-12-810549-8.00010-6.

* indicates advised graduate student or postdoctoral researcher

29. Daniel T. McCoy, **Ivy Tan**, Dennis L. Hartmann, Mark D. Zelinka, Trude Storelvmo. On the relationships among cloud cover, mixed-phase partitioning, and planetary albedo in GCMs. *J. Adv. Model. Earth Syst.*, 8(2), 650–668, (2016), doi:10.1002/2015MS000589. (Press release: EOS Research Spotlight)
30. **Ivy Tan**, Trude Storelvmo, Mark D. Zelinka. Observational constraints on mixed-phase clouds imply higher climate sensitivity, *Science*, 352(6282), 224–227, (2016), doi:10.1126/science.aad5300. (Selected press releases: The New York Times, The Guardian, The Washington Post)
31. **Ivy Tan** and Trude Storelvmo. Sensitivity study on the influence of cloud microphysical parameters on mixed-phase cloud thermodynamic phase partitioning in CAM5, *J. Atmos. Sci.*, 73(2), 709–728, (2016), doi:10.1175/JAS-D-15-0152.1.
32. Trude Storelvmo, **Ivy Tan**, Alexei V. Korolev. Cloud phase changes induced by CO₂ warming — a powerful yet poorly constrained cloud-climate feedback. *Curr. Clim. Change Rep.*, 1(4), 288–296, (2015), doi:10.1007/s40641-015-0026-2.
33. Trude Storelvmo and **Ivy Tan**. The Wegener-Bergeron-Findeisen process — Its discovery and vital importance for weather and climate. *Meteor. Z.* 24(4), 455–461, (2015), doi:10.1127/metz/2015/0626.
34. **Ivy Tan**, Trude Storelvmo, Yong-Sang Choi. Spaceborne lidar observations of the ice nucleation potential of dust, polluted dust and smoke aerosols in mixed-phase clouds, *J. Geophys. Res.* 119(11), 6653–6665 (2014), doi:10.1002/2013JD021333.
35. Yong-Sang Choi, Chang-Hoi Ho, Chang-Eui Park, Trude Storelvmo, **Ivy Tan**. Influence of cloud phase composition on climate feedbacks. *J. Geophys. Res.: Atmospheres* 119(7), 3687–3700, (2014), doi:10.1002/2013JD020582.
36. Muge Komurcu, Trude Storelvmo, **Ivy Tan**, Ulrike Lohmann, Yuxing Yun, Joyce E. Penner, Yong Wang, Xiaohong Liu, Toshihiko Takemura. Intercomparison of the cloud water phase among global climate models, *J. Geophys. Res.: Atmospheres* 119(6), 3372–3400, (2014), doi:10.1002/2013JD021119.

ORAL PRESENTATIONS

1. University of Colorado Boulder LASP Science Seminar (Invited) *forthcoming May 2026*
Boulder, CO
2. EGU General Assembly session on Aerosols, Clouds, Radiation, and Precipitation (Invited) *forthcoming May 2026*
Vienna, Austria
3. American Physical Society Global Physics Summit (Invited) *forthcoming March 2026*
Denver, CO
4. University of California Los Angeles Atmospheric & Oceanic Sciences Seminar (Invited) *forthcoming March 2026*
Los Angeles, CA
5. University of Colorado Boulder’s ATOC Colloquium (Invited) *2025*
Boulder, CO
6. California Institute of Technology’s CliMA Seminar (Invited) *2025*
Pasadena, CA
7. Gordon Research Conference on Climate and Radiation (Invited) *2025*
Lewiston, ME
8. York University’s Earth and Space Science Conference (Invited) *2025*
Toronto, ON

9. University of Rochester's Earth and Environmental Sciences Seminar (Invited) 2025
Rochester, NY
10. Dalhousie University's Physics & Atmospheric Science Seminar (Invited) 2025
Halifax, Canada
11. Gordon Research Conference on Polar Marine Science (Invited) 2025
Tuscany, Italy
12. University of Colorado Boulder Physics Colloquium (Invited) 2025
Boulder, CO
13. American Geophysical Union (AGU) Annual Meeting (Invited) 2024
Washington, DC
14. Canadian Meteorological and Oceanographic Society (CMOS) 58th Congress Meeting (Invited) 2024
Held online
15. Cloud Feedback Model Intercomparison Project Meeting 2024
Boston, MA
16. Geophysical Fluid Dynamics Laboratory (GFDL)'s Formal Seminar (Invited) 2024
Princeton, NJ
17. Medium-range Aircraft Platform for Environmental Research (MAPLE) Workshop (Invited) 2024
Ottawa, Canada
18. American Geophysical Union (AGU) Annual Meeting 2023
San Francisco, CA
19. CANDAC-Environment & Climate Change Canada Collaboration Telecon (Invited) 2023
Held online
20. Colorado State University's Department of Atmospheric Science Colloquium (Invited) 2023
Fort Collins, CO
21. U. S. Department of Energy Principal Investigator Meeting (Invited Plenary Session Speaker) 2023
Rockville, MD
22. Interagency Arctic Research Policy Committee Meeting (Invited) 2023
Held online
23. NASA Goddard Space Flight Center's Colloquium (Invited) 2022
Greenbelt, MD
24. University of Victoria's School of Earth & Oceanic Sciences Seminar (Invited) 2022
Held online due to global pandemic
25. Duke University's Earth & Climate Sciences Department Seminar (Invited) 2022
Held online due to global pandemic
26. University of Maryland Baltimore County's Department of Physics Colloquium (Invited) 2021
Held online due to global pandemic
27. Princeton University's Summer Workshop on Cloud Feedbacks & Climate Sensitivity (Invited) 2020
Held online due to global pandemic
28. ECS & Cloud Feedback Virtual Symposium #2 (Invited) 2020
29. Global Model Cloud-Aerosol Research Workshop (Invited) 2020
Hosted by NASA GISS, held online due to global pandemic
30. Third Atmospheric Ice Nucleation Conference (Invited Keynote) 2020
Boston, MA

31. McGill University's Atmospheric and Oceanic Sciences Department Seminar (Invited) 2019
Montreal, Canada
32. NASA MODIS/VIIRS Science Team Meeting 2019
College Park, MD
33. Cloud Feedback Model Intercomparison Project Meeting 2019
Mykonos, Greece
34. NASA MODIS/VIIRS Science Team Meeting 2018
Silver Spring, MD
35. George Mason University's Center for Ocean-Land-Atmospheric Studies Seminar (Invited) 2018
Fairfax, VA
36. AMS 15th Conference on Cloud Physics and Radiation 2018
Vancouver, Canada
37. University of Washington's Atmospheric Sciences Colloquium (Invited) 2018
Seattle, WA
38. NASA AIRS Science Team Meeting 2018
Pasadena, CA
39. CloudSat/CALIPSO Annual Science Operations Review (Invited) 2018
Boulder, CO
40. Cloud Feedback Model Intercomparison Project Meeting 2017
Tokyo, Japan
41. NASA GSFC's Climate & Radiation Seminar 2016
Greenbelt, MD
42. Cloud Feedback Model Intercomparison Project Meeting 2016
Trieste, Italy
43. Lamont-Doherty Earth Observatory's Ocean & Climate Physics Seminar (Invited) 2016
Palisades, NY
44. Brookhaven National Laboratory's Environmental and Climate Sciences Seminar (Invited) 2016
Upton, NY
45. American Geophysical Union (AGU) Fall Meeting 2015
San Francisco, CA
46. Cloud Feedback Model Intercomparison Project Meeting 2015
Monterey, CA
47. Yale University's Atmosphere, Oceans and Climate Dynamics Seminar 2015
New Haven, CT
48. European Geophysical Union (EGU) General Assembly 2015
Vienna, Austria
49. Ewha Womans University's Department of Environmental Sci & Engineering Seminar (Invited) 2014
Seoul, South Korea

PROFESSIONAL SERVICES

- Editor, *Atmospheric Chemistry and Physics* 2023 - present
- Associate Editor, *Journal of Climate* 2023 - present
- Member, International Radiation Commission Working Group on Clouds and Radiation 2025 - present
- Steering Committee Member, Collaborative Platform for CanESM (CP4C) 2023 - present

- Primary Convenor for AGU Fall Meeting on Climate Sensitivity & Feedbacks *New Orleans, LA* *Forthcoming 2025*
- Primary Convenor for AGU Fall Meeting on Climate Sensitivity & Feedbacks *Washington, DC* *2024*
- Discussion leader, U. S. Department of Energy Workshop on Atmospheric Ice Processes *Richland, WA* *2023*
- Co-convenor for AGU Fall Meeting on Climate Sensitivity & Feedbacks *San Francisco, CA* *2023*
- Session Chair for CMOS's 57th Congress Meeting *Attended online* *2023*
- Canadian Meteorological and Oceanographic Society (CMOS) Scientific Committee *2023 - 2025*
- Guest editor for Arctic Amplification topic in *Frontiers in Earth Science* *2020-2021*
- Reviewer for:
 - *Asia-Pacific Journal of Atmospheric Sciences*
 - *Atmosphere*
 - *Atmospheric Chemistry and Physics*
 - *Atmospheric Measurement Techniques*
 - *Bulletin of the American Meteorological Society*
 - *Climate Dynamics*
 - *Climatic Change*
 - *Communications Earth & Environment*
 - *Earth and Space Science*
 - *Earth System Science Data*
 - *Geophysical Research Letters*
 - *Geoscience Letters*
 - *GIScience & Remote Sensing*
 - *Journal of Advances in Modeling Earth Systems*
 - *Journal of Applied Meteorology and Climatology*
 - *Journal of Atmospheric Sciences*
 - *Journal of Climate*
 - *Journal of Geophysical Research: Atmospheres*
 - *Nature*
 - *Nature Climate Change*
 - *Nature Communications*
 - *Nature Geoscience*
 - *npj Climate and Atmospheric Science*
 - *Paleoceanography and Paleoclimatology*

- *Science Advances*
- *Scientific Reports*
- *Theoretical and Applied Climatology*
- Panelist for:
 - NASA ROSES Programs in Earth Science
 - U.S. DOE Atmospheric System Research Program
- External reviewer for:
 - NSF Programs
 - NOAA Program
 - NSERC Discovery Grant Program
 - National Science Center of Poland Program

MEMBERSHIP

- Canadian High-altitude Aerosols, Water vapour and Clouds (HAWC) Science Team *2021 - present*
- NASA's MODIS Science Team *2017 - 2023*

TEACHING

- **PHYS2020 General Physics 2, Secondary Instructor** *Fall 2025*
- **ATOC315 Thermodynamics & Convection** *Fall 2023, Fall 2024*
- **ATOC309 Weather Radars & Satellites** *Winter 2023, Winter 2024*
- **ATOC521 Cloud Physics** *Winter 2021, Winter 2022*
- **ATOC181 Introduction to Atmospheric Science** *Fall 2021, Winter 2023*

PROJECT SUPERVISION

- **Chandru Dhandapani** *November 2025 - present*
Postdoctoral Associate, CU Boulder
- **Carola Barrientos** *October 2024 - present*
Co-supervised Postdoctoral Associate
- **Jiseob Kim** *October 2024 - November 2025*
Co-supervised Postdoctoral Associate
- **Catherine Stauffer** *October 2023 - May 2025*
Postdoctoral Associate
- **Aubert Lamy** *August 2023 - May 2025*
Ph.D. student, NSERC USRA awardee (2022)
- **Calvin Coulbury** *August 2022 - May 2025*
Ph.D. student, SURA awardee (2021), ATOC 396 student (2021)
- **Maelyn Kaya** *Fall 2024*
ATOC 396 undergraduate research course student
- **Rémi Mercier** *Summer 2024*
NSERC USRA awardee

- **Esther Wang** *Summer 2024*
ATOC480 undergraduate thesis student
- **Devon Gulley** *Summer 2024*
ATOC 480 undergraduate thesis student
- **Quentin Coopman** *February 2021 - August 2023*
Postdoctoral Associate
- **Cameron Toy Kluger** *Summer 2023*
ATOC 396 undergraduate research course student
- **Lauryn Talbot** *Summer 2021*
ATOC 396 undergraduate research course student