

JONATHAN WILLE – POLAR METEOROLOGIST & CLIMATOLOGIST

Institut des Géosciences de l'Environnement, UGA, CS 40 700, 38058 Grenoble cedex 9, France | +33 610848625 | jonathan.wille@univ-grenoble-alpes.fr

EDUCATION

Ph.D. Atmospheric Science, Université Grenoble Alpes, Grenoble, France 2021
Thesis title: Antarctic Atmospheric River Climatology and Impacts
Advisor: Vincent Favier
Summer School: Atmospheric Rivers Colloquium Summer School, Scripps Research, La Jolla

M.Sc. Atmospheric Science, The Ohio State University, Columbus, Ohio, U.S.A. 2015
Thesis title: Analysis of the AMPS-Polar WRF Boundary Layer at the Alexander Tall Tower! site on the Ross Ice Shelf
Advisor: Professor David H. Bromwich

B.Sc. Meteorology, The University of Oklahoma, Norman, Oklahoma, U.S.A. 2013
Minor: Environmental Sustainability
Study Aboard: The University of Reading, Reading, United Kingdom, 2012

PROFESSIONAL APPOINTMENTS

Postdoctoral Researcher, Biogéosciences 2026-2028
Université Bourgogne Europe, France
Fellowship: Marie Skłodowska-Curie Actions Postdoctoral Fellowships
Project: MAADE | Modeling Antarctic Atmospheric Dynamic Extremes
Advisor: Benjamin Pohl

Postdoctoral Researcher, Institut des Géosciences de l'Environnement 2025-2026
Université Grenoble Alpes, France
Fellowship: Make Our Planet Great Again
Project: AIPARD | Artificial intelligence for polar atmospheric river detection
Advisor: Jordi Bolíbar

Postdoctoral Researcher, Institute für Atmosphäre und Klima 2022-2025
ETH Zürich, Zürich, Switzerland
Project: nextGEMS | Next Generation Earth Modelling Systems
Advisor: Erich Fischer

Postdoctoral Researcher, Institut des Géosciences de l'Environnement 2021-2022
Université Grenoble Alpes, France
Project: ARCA | Atmospheric Rivers Climatology in Antarctica
Advisor: Vincent Favier

Doctoral Researcher, Institut des Géosciences de l'Environnement 2017-2021
Université Grenoble Alpes, France

Research Assistant, Polar Meteorology Group 2016, 2017
Byrd Polar and Climate Research Center, The Ohio State University, U.S.A.

Meteorologist/Communications Supporter , Antarctic Logistics and Expeditions Union Glacier, Antarctica	2016-2017
Weather Observer , United States Antarctic Program West Antarctic Ice Sheet (WAIS) Divide Field Camp	2015-2016
Graduate Research Assistant , Polar Meteorology Group Byrd Polar and Climate Research Center, The Ohio State University, U.S.A.	2013-2015
Teaching Assistant , The University of Oklahoma Lab Section Meteorology 1014: Introduction to Weather and Climate for Non-Meteorology Students	2013
Environmental Affairs Intern , Wakefern Food Corporation Edison, New Jersey, U.S.A.	2010, 2011

RESEARCH INTERESTS

Polar atmospheric science

- Extreme weather ice-sheet impacts
- Atmospheric rivers
- Synoptic-scale atmospheric dynamics
- Subtropical - polar teleconnections

High-resolution climate modeling

- Extreme weather simulation testing
- Precipitation extremes depiction
- Societal impacts of climate change

INVITED SPEAKER

NASA Goddard Institute for Space Studies, Virtual	February 2026
COP30, International Cryosphere Climate Initiative, Virtual	November 2025
Seminar, Institut des Géosciences de l'Environnement, France	November 2025
Seminar, Université Bourgogne Europe, France	September 2025
Seminar, University of Bern, Switzerland	September 2024
Arctic 21, International Cryosphere Climate Initiative, Virtual	January 2024
COP28, International Cryosphere Climate Initiative, Dubai, U.A.E.	December 2023
Seminar, Laboratoire des sciences du climat et de l'environnement (LSCE), Orme des Merisiers, France	September 2023
Seminar, AntClimNow, Virtual	June 2023
European Geosciences Union (EGU) General Assembly, Vienna, Austria	April 2023
Seminar, Centre Européen de Recherche et de Formation Avancée en Calcul Scientifique (CERFACS), Toulouse, France	April 2022
Seminar, Le Laboratoire de Météorologie Dynamique (LMD), Paris, France	November 2021
Seminar, Laboratoire des sciences du climat et de l'environnement (LSCE), Orme des Merisiers, France	November 2021
9 th Malaysian International Seminar on Antarctica, Virtual	October 2021
28 th Annual WAIS Workshop, Sterling, Virginia, U.S.A.	September 2021
Seminar, British Antarctic Survey (BAS), Virtual	July 2020
Seminar, Institute for Marine and Antarctic Studies (IMAS), Hobart, Australia	November 2019

CONFERENCE AND WORKSHOP PRESENTATIONS

3 rd Antarctic Atmospheric River Group (AARG) workshop, Grenoble, France	May 2025
European Geosciences Union (EGU) General Assembly, Vienna, Austria	May 2025
ExtAnt Project Kick off Meeting, British Antarctic Survey (BAS),	November 2024
European Geosciences Union (EGU) General Assembly, Vienna, Austria	April 2024
28 th International Union of Geodesy and Geophysics (IUGG) General Assembly, Berlin, Germany	July 2023
2 nd Antarctic Atmospheric River Group (AARG) workshop, Boulder, Colorado, U.S.A.	June 2023
11 th International Antarctic Conference, National Antarctic Scientific Center of Ukraine, Virtual	May 2023
1 st Antarctic Atmospheric River Group (AARG) workshop, Grenoble, France	June 2022
European Geosciences Union (EGU) General Assembly, Vienna, Austria	May 2022
13 th International Conference on Southern Hemisphere Meteorology and Oceanography, Virtual	February 2022
16 th Workshop on Antarctic Meteorology and Climate (WAMC), Virtual	June 2021
16 th Conference on Polar Meteorology and Oceanography (Polar AMS), Virtual	June 2021
International Atmospheric Rivers Conference (IARC) Sponsored Symposium, Virtual	October 2020
European Geosciences Union (EGU) General Assembly, Virtual	May 2020
Southern Ocean Atmospheric Research (SOAR) Workshop, Hobart, Australia	November 2019
27 th International Union of Geodesy and Geophysics (IUGG) General Assembly, Montreal, Canada	July 2019
European Geosciences Union (EGU) General Assembly, Vienna, Austria	April 2019
POLAR 2018, Davos, Switzerland	June 2018
International Symposium on Atmospheric Boundary Layers in High Latitudes, Columbus, Ohio, U.S.A.	June 2016
11 th Antarctic Meteorological Observation, Modeling, and Forecasting Workshop, Columbus, Ohio, U.S.A.	June 2016
10 th Antarctic Meteorological Observation, Modeling, and Forecasting Workshop, Cambridge, United Kingdom	June 2015
9 th Antarctic Meteorological Observation, Modeling, and Forecasting Workshop, Charleston, S.C., U.S.A.	June 2014

PROJECTS

IRGA UGA, Data driven Recognition of Antarctic Atmospheric Rivers (DRAAR), principal investigator, 100K € (planned)	2026-2028
MIAI Cluster, Data driven Recognition of Antarctic Atmospheric Rivers (DRAAR), principal investigator, 130K € (submitted)	2026-2028
MSCA Postdoctoral Fellowships, Modeling Antarctic Atmospheric Dynamic Extremes (MAADE), principal investigator, 226K €	2026-2028
MOPGA, Artificial intelligence for polar atmospheric river detection (AIPARD), principal investigator, 35K €	2025-2026
NERC, Drivers and Impacts of Extreme Weather Events in Antarctica (ExtAnt), project partner, 3.5M €	2024-2028
EU Horizon 2020, Next Generation Earth Modelling Systems (nextGEMS), project participant, 11M €	2020-2024
ANR, Atmospheric River Climatology in Antarctica (ARCA), project co-writer, 492K €	2020-2024

TRANSVERSAL ACTIVITIES

Session co-convenor for EGU, Vienna: Polar Meteorology and Climate and their Links to the Rapidly Changing Cryosphere	2026
Contributor for WCRP report on global climate tipping points	2025 - present
Session convenor for COP30, International Cryosphere Climate Initiative	2026
Session co-convenor for IUGG, Busan: Polar weather and climate extremes	2025
Weekly weather discussion committee member, ETH Zurich, Switzerland	2024 - 2025
Expert panel participant on climate change for Zurich theatre performance	2024
Organizer for nextGEMS Hackathon at Wageningen University, Netherlands	2024
Early career scientist volunteer, International Cryosphere Climate Initiative, COP28, Dubai	2024
Session co-convenor for IUGG, Berlin	2023
• “Tropical-Polar Interactions, Arctic Amplification and Its Influence on Midlatitude Weather”	
Workshop Coordinator for Antarctic Atmospheric River Group (AARG) at Université Grenoble Alpes	2022
Early Career Representative for International Commission on Polar Meteorology (ICPM)	2021 - present
• Social media manager	
Member of Year of Polar Prediction – Southern Hemisphere (YOPP-SH) Task Team	2021
• Coordinating Australian, French, and Italian Targeted Observing Periods	
High School Outreach Volunteer for Byrd Polar and Climate Research Center	2017
Conference Coordinator for Polar Weather and Climate Week at Byrd Polar and Climate Research Center	2017
Organization Committee Chair for the OSU Geography Graduate Organization’s Student Research Day	2015

MEDIA ENGAGEMENTS

[Washington Post](#), [Australian Broadcasting Corporation](#), [Euronews](#), [CNN](#), [New York Times](#), [France Inter](#), [Le Monde](#), [France 24](#), [NBC News](#), [Scientisa](#), [Washington Post](#), [Bloomberg Green](#), [Zeit Online](#), [NASA Earth Observatory Image of the Day](#), [Frankfurter Allgemeine](#), [Weatherzone](#), [Inside Climate News](#), [National Geographic](#), [Interesting Engineering](#), [Eos](#), [Axios](#), [Washington Post](#), [Le Monde](#), [The Guardian](#), [Mongabay](#), [Salon](#), [La Breche](#)

SUPERVISION

Supervisor for Master Student’s Thesis (Jeremy Sennhauser, ETH Zurich)	2025
Masters defense jury member (Matilde de Melo e Castro Rafacho, Universidade de Aveiro)	2025
Supervisor for Master Student’s Thesis (Cosimo Carniel Enrico, ETH Zurich)	2024-2025
PhD jury member (Michelle MacLennan, University of Colorado)	2024
Supervisor for Bachelor Student’s Thesis (Pascal Stöckli, ETH Zurich)	2024
Supervisor for Bachelor Student’s Thesis (Rebekka Koch, ETH Zurich)	2023
PhD committee member (Niels Dutrievoz, LSCE, Gif Sur Yvette)	2023-present
PhD committee member (Michelle MacLennan, University of Colorado)	2022-2024
Supervisor for Masters Student’s internship project (Niels Dutrievoz, IGE, Grenoble)	2021

AWARDS

Honorable mention for Early-Career Award of the International Association of Cryospheric Sciences (IACS): For paper 'Intense atmospheric rivers can weaken ice shelf stability at the Antarctic Peninsula'	2023
The Ohio State University Fenburr Travel Scholarship	2015
John T. Snow Study Aboard Scholarship	2011
The University of Oklahoma Presidential Scholarship	2009

The University of Oklahoma School of Meteorology Honors Scholarship

2009

REVIEWER

Nature communications: 1 paper
Nature climate change: 1 paper
npj Climate and Atmospheric Science: 1 paper
Comisión Nacional de Investigación Científica y Tecnológica: 1 proposal
AGU publications: 5 papers
The Cryosphere: 3 papers
Journal of Climate: 2 papers
Atmospheric chemistry and physics: 1 paper
Meteorology and Atmospheric Physics: 1 paper
Weather and Climate Dynamics: 1 paper

SKILLS

Weather forecasting:

- Created and communicated daily weather forecasts for Antarctic ski expeditions to the South Pole while based in field camp
- Created a weather and climate social media page for local weather forecasts and news (Facebook: Wille's Weather)

Programming and Operating Systems

- Python, C, Linux/UNIX

Meteorological and Climate Analysis Software

- NCAR Command Language (NCL), ArcGIS, MATLAB

Communications operator in Antarctica

- Supported remote field camp and expedition logistics
- Performed flight following for ski aircraft

Field work in glaciological measurements and equipment repair in Antarctica

SOFTWARE

Polar specific atmospheric river detection algorithm: jwille45/antarctic-lab: v2.4,
<https://doi.org/10.5281/ZENODO.7990215>, 2022.

DATASET

Wille, J.: Polar specific atmospheric river detection algorithm catalogs,
<https://doi.org/10.5281/ZENODO.15830634>, 2025.

REFERRED PUBLICATIONS

h-index (Google Scholar): 25

Citations: 2225

Number of publications (including accepted, not-yet published): 42

First author publications: 10

IN REVIEW

Buffet, V., Favier, V., Pohl, B., and Wille, J. D.: Curved atmospheric rivers and their moisture remnants: a new detection tool for Antarctica, EGUsphere, 2026, 1–32, <https://doi.org/10.5194/egusphere-2025-6365>, (in review).

Udy, D., Jackson, S., Vance, T., Pohl, B., Kiem, A., Holbrook, N., Plummer, C., **Wille, J.**, Favier, V., Crockart, C., Harlan, M., Abram, N., Long, C. A., Nation, M., Ommen, T. V., King, M., Christoffersen, P.: Weather regimes mask the Southern Annular Mode signal in two coastal East Antarctic ice cores, *Journal of Geophysical Research: Atmospheres*, (in review)

Zou, X., Rowe, P. M., Gorodetskaya, I. V., Orr, A., Bromwich, D. H., Lubin, D., Lazzara, M. A., Zhang, Z., Kawzenuk, B., **Wille, J. D.**, Cordeira, J. M., Hansen, N., Li, J., Gan, P., Ralph, M. F.: Föhn-Induced Melting over Larsen C Modulated by Atmospheric River Shape, Direction and Landfall Location, *Nature Communications*, (in review)

2026

Zou, X., Ralph, F. M., Bromwich, D. H., Gille, S. T., Gorodetskaya, I. V., Mazloff, M. R., Lubin, D., Cerovečki, I., Sun, R., **Wille, J. D.**, and Zhang, Z.: Antarctica's uncertain future: global sea-level rise from oceanic and atmospheric forcing, with a focus on atmospheric rivers, *Frontiers in Earth Science*, Volume 14-2026, <https://doi.org/10.3389/feart.2026.1761959>, 2026.

Dutrievoz, N., Agosta, C., Davrinche, C., Landais, A., Nguyen, S., Vignon, É., Ollivier, I., Leroy-Dos Santos, C., Fourré, E., Casado, M., **Wille, J.**, Favier, V., Minster, B., and Prié, F.: Water vapour isotope anomalies during an atmospheric river event at Dome C, East Antarctica, *The Cryosphere*, 20, 1025–1046, <https://doi.org/10.5194/tc-20-1025-2026>, 2026.

Francis, D., Fonseca, R., Nelli, N., Heil, P., **Wille, J. D.**, Gorodetskaya, I. V., and Massom, R. A.: Drivers of observed winter–spring sea-ice and snow thickness at a coastal site in East Antarctica, *The Cryosphere*, 20, 1–28, <https://doi.org/10.5194/tc-20-1-2026>, 2026.

Barthélemy, L., Codron, F., **Wille, J.**, Favier, V., and Clem, K. R.: Future Atmospheric Rivers in Antarctica: Characteristics and Impacts With the IPSL Model, *Journal of Geophysical Research: Atmospheres*, 131, e2025JD043398, <https://doi.org/10.1029/2025JD043398>, 2026.

2025

Segura, H., Pedruzo-Bagazgoitia, X., Weiss, P., Müller, S. K., Rackow, T., Lee, J., Dolores-Tesilos, E., Benedict, I., Aengenheyster, M., Aguridan, R., Arduini, G., Baker, A. J., Bao, J., Bastin, S., Baulenas, E., Becker, T., Beyer, S., Bockelmann, H., Brüggemann, N., Brunner, L., Cheedela, S. K., Das, S., Denissen, J., Dragaud, I., Dziekan, P., Ekblom, M., Engels, J. F., Esch, M., Forbes, R., Frauen, C., Freischem, L., García-Maroto, D., Geier, P., Gierz, P., González-Cervera, Á., Grayson, K., Griffith, M., Gutjahr, O., Haak, H., Hadade, I., Haslehner, K., ul Hasson, S., Hegewald, J., Kluft, L., Koldunov, A., Koldunov, N., Kölling, T., Koseki, S., Kosukhin, S., Kousal, J., Kuma, P., Kumar, A. U., Li, R., Maury, N., Meindl, M., Milinski, S., Mogensen, K., Niraula, B., Nowak, J., Praturi, D. S., Proske, U., Putrasahan, D., Redler, R., Santuy, D., Sármány, D., Schnur, R., Scholz, P., Sidorenko, D., Spät, D., Sützl, B., Takasuka, D., Tompkins, A., Uribe, A., Valentini, M., Veerman, M., Voigt, A., Warnau, S., Wachsmann, F., Wacławczyk, M., Wedi, N., Wieners, K.-H., **Wille, J.**, Winkler, M., Wu, Y., Ziemen, F., Zimmermann, J., Bender, F. A.-M., Bojovic, D., Bony, S., Bordoni, S.,

Brehmer, P., Dengler, M., Dutra, E., Faye, S., Fischer, E., van Heerwaarden, C., Hohenegger, C., Järvinen, H., Jochum, M., et al.: nextGEMS: entering the era of kilometer-scale Earth system modeling, *Geoscientific Model Development*, 18, 7735–7761, <https://doi.org/10.5194/gmd-18-7735-2025>, 2025.

Raphael, M. N., Clem, K. R., Adjou, M., Adusumilli, S., Amory, C., Bahrami, M., Baiman, R., Banwell, A. F., Barreira, S., Beadling, R. L., Colwell, S., Coy, L., Datta, R. T., Laat, J. D., Plessis, M. du, Fogt, R. L., Fricker, H. A., Hancock, A. M., Johnson, B., Josey, S. A., Keller, L. M., Kittel, C., Kramarova, N. A., Lait, L. R., Lazzara, M. A., Lieser, J. L., MacFerrin, M., MacLennan, M. L., Massom, R. A., Mikolajczyk, D. E., Milward, J., Mote, T. L., Newman, P. A., Norton, T., Petropavlovskikh, I., Pezzi, L. P., Reid, P., Ryan-Keogh, T. J., Santee, M. L., Scambos, T., Schulz, C., Shi, J.-R., Souza, E., Stammerjohn, S., Thomalla, S., Trusel, L., and **Wille, J. D.**: Antarctica and the Southern Ocean, *Bulletin of the American Meteorological Society*, 106, S357–S400, <https://doi.org/10.1175/BAMS-D-25-0087.1>, 2025.

Wille, J. D., Koch, R., Becker, T., and Fischer, E.: Extreme Precipitation Depiction in Convection-Permitting Earth System Models Within the nextGEMS Project, *Journal of Advances in Modeling Earth Systems*, 17, e2024MS004840, <https://doi.org/10.1029/2024MS004840>, 2025.

MacLennan, M. L., Winters, A. C., Shields, C. A., Thaker, R., Barthelemy, L., Codron, F., and **Wille, J. D.**: Rising atmospheric moisture escalates the future impact of atmospheric rivers in the Antarctic climate system, *Communications Earth & Environment*, 6, 369, <https://doi.org/10.1038/s43247-025-02333-x>, 2025.

Wille, J. D., Favier, V., Gorodetskaya, I. V., Agosta, C., Baiman, R., Barrett, J. E., Barthelemy, L., Boza, B., Bozkurt, D., Casado, M., Chyhareva, A., Clem, K. R., Codron, F., Datta, R. T., Durán-Alarcón, C., Francis, D., Hoffman, A. O., Kolbe, M., Krakovska, S., Linscott, G., MacLennan, M. L., Mattingly, K. S., Mu, Y., Pohl, B., Santos, C. L.-D., Shields, C. A., Toker, E., Winters, A. C., Yin, Z., Zou, X., Zhang, C., and Zhang, Z.: Atmospheric rivers in Antarctica, *Nature Reviews Earth & Environment*, 6, 178–192, <https://doi.org/10.1038/s43017-024-00638-7>, 2025.

Rush, W. D., Lora, J. M., Skinner, C. B., Menemenlis, S. A., Shields, C. A., Ullrich, P., O'Brien, T. A., Brands, S., Guan, B., Mattingly, K. S., McClenny, E., Nardi, K., Nellikkattil, A., Ramos, A. M., Reid, K. J., Shearer, E., Tomé, R., **Wille, J. D.**, Leung, L. R., Ralph, F. M., Rutz, J. J., Wehner, M., Zhang, Z., Lu, M., and Quagrainie, K. T.: Atmospheric River Detection Under Changing Seasonality and Mean-State Climate: ARTMIP Tier 2 Paleoclimate Experiments, *Journal of Geophysical Research: Atmospheres*, 130, e2024JD042222, <https://doi.org/10.1029/2024JD042222>, 2025.

2024

Bromwich, D. H., Gorodetskaya, I. V., Carpentier, S., Alexander, S., Bazile, E., Heinrich, V. J., Massonnet, F., Powers, J. G., Carrasco, J. F., Cayette, A., Choi, T., Chyhareva, A., Colwell, S. R., Cordeira, J. M., Cordero, R. R., Doerenbecher, A., Durán-Alarcón, C., French, W. J. R., Gonzalez-Herrero, S., Guyot, A., Haiden, T., Hirasawa, N., Imazio, P. R., Kawzenuk, B., Krakovska, S., Lazzara, M. A., Litell, M. F., Manning, K. W., Norris, K., Park, S.-J., Ralph, F. M., Rowe, P. M., Sun, Q., Vitale, V., **Wille, J. D.**, Zhang, Z., and Zou, X.: Winter Targeted Observing Periods during the Year of Polar Prediction in the Southern Hemisphere (YOPP-SH), *Bulletin of the American Meteorological Society*, <https://doi.org/10.1175/BAMS-D-22-0249.1>, 2024.

Wille, J. D., Pohl, B., Favier, V., Winters, A. C., Baiman, R., Cavallo, S. M., Leroy-Dos Santos, C., Clem, K., Udy,

D. G., Vance, T. R., Gorodetskaya, I., Codron, F., and Berchet, A.: Examining Atmospheric River Life Cycles in East Antarctica, *Journal of Geophysical Research: Atmospheres*, 129, e2023JD039970, <https://doi.org/10.1029/2023JD039970>, 2024.

Simon, S., Turner, J., Thamban, M., **Wille, J. D.**, and Deb, P.: Spatiotemporal Variability of Extreme Precipitation Events and Associated Atmospheric Processes Over Dronning Maud Land, East Antarctica, *Journal of Geophysical Research: Atmospheres*, 129, e2023JD038993, <https://doi.org/10.1029/2023JD038993>, 2024.

Baiman, R., Winters, A. C., Pohl, B., Favier, V., **Wille, J. D.**, and Clem, K. R.: Synoptic and planetary-scale dynamics modulate antarctic atmospheric river precipitation intensity, *Communications Earth & Environment*, 5, 127, <https://doi.org/10.1038/s43247-024-01307-9>, 2024.

Lapere, R., Thomas, J. L., Favier, V., Angot, H., Asplund, J., Ekman, A. M. L., Marelle, L., Raut, J.-C., Da Silva, A., **Wille, J. D.**, and Zieger, P.: Polar Aerosol Atmospheric Rivers: Detection, Characteristics, and Potential Applications, *Journal of Geophysical Research: Atmospheres*, 129, e2023JD039606, <https://doi.org/10.1029/2023JD039606>, 2024.

Wille, J. D., Alexander, S. P., Amory, C., Baiman, R., Barthélemy, L., Bergstrom, D. M., Berne, A., Binder, H., Blanchet, J., Bozkurt, D., Bracegirdle, T. J., Casado, M., Choi, T., Clem, K. R., Codron, F., Datta, R., Battista, S. D., Favier, V., Francis, D., Fraser, A. D., Fourré, E., Garreaud, R. D., Genthon, C., Gorodetskaya, I. V., González-Herrero, S., Heinrich, V. J., Hubert, G., Joos, H., Kim, S.-J., King, J. C., Kittel, C., Landais, A., Lazzara, M., Leonard, G. H., Lieser, J. L., Maclennan, M., Mikolajczyk, D., Neff, P., Ollivier, I., Picard, G., Pohl, B., Ralph, M. F., Rowe, P., Schlosser, E., Shields, C. A., Smith, I. J., Sprenger, M., Trusel, L., Udy, D., Vance, T., Vignon, É., Walker, C., Wever, N., and Zou, X.: The extraordinary March 2022 East Antarctica “heat” wave. Part II: impacts on the Antarctic ice sheet, *Journal of Climate*, <https://doi.org/10.1175/JCLI-D-23-0176.1>, 2024.

Wille, J. D., Alexander, S. P., Amory, C., Baiman, R., Barthélemy, L., Bergstrom, D. M., Berne, A., Binder, H., Blanchet, J., Bozkurt, D., Bracegirdle, T. J., Casado, M., Choi, T., Clem, K. R., Codron, F., Datta, R., Battista, S. D., Favier, V., Francis, D., Fraser, A. D., Fourré, E., Garreaud, R. D., Genthon, C., Gorodetskaya, I. V., González-Herrero, S., Heinrich, V. J., Hubert, G., Joos, H., Kim, S.-J., King, J. C., Kittel, C., Landais, A., Lazzara, M., Leonard, G. H., Lieser, J. L., Maclennan, M., Mikolajczyk, D., Neff, P., Ollivier, I., Picard, G., Pohl, B., Ralph, M. F., Rowe, P., Schlosser, E., Shields, C. A., Smith, I. J., Sprenger, M., Trusel, L., Udy, D., Vance, T., Vignon, É., Walker, C., Wever, N., and Zou, X.: The extraordinary March 2022 East Antarctica “heat” wave. Part I: observations and meteorological drivers, *Journal of Climate*, <https://doi.org/10.1175/JCLI-D-23-0175.1>, 2024.

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