

# Zachary M. Labe

## CONTACT INFORMATION

ATS Main 406  
Department of Atmospheric Science  
Colorado State University  
Fort Collins, Colorado 80523-1371 USA

☎ 717.602.5959  
✉ [zmlabe@rams.colostate.edu](mailto:zmlabe@rams.colostate.edu)  
🌐 <https://sites.uci.edu/zlabe/>  
🐦 @ZLabe

## RESEARCH INTERESTS

large-scale climate dynamics • climate variability • atmospheric teleconnections • stratospheric dynamics • sea ice • science communication • data viz.

## EDUCATION

**The University of California, Irvine**, Irvine, CA  
Ph.D. in Earth System Science, May 2020  
**The University of California, Irvine**, Irvine, CA  
M.Sc. in Earth System Science, Sep 2017  
**Cornell University**, Ithaca, NY  
B.Sc. in Atmospheric Science, May 2015, *Distinction in Research*

## ACADEMIC EMPLOYMENT

2020-Present **Postdoctoral Researcher**, Colorado State University  
2015-2020 **Graduate Research Assistant**, University of California, Irvine  
2014-2015 **Undergraduate Research Assistant**, Cornell University

## PUBLICATIONS

- [9] Peings, Y., **Z.M. Labe**, and G. Magnusdottir (2021), Are 100 ensemble members enough to capture the remote atmospheric response to +2°C Arctic sea ice loss? *Journal of Climate*, DOI:10.1175/JCLI-D-20-0613.1.
- [8] Timmermans, M.-L. and **Z.M. Labe** (2020). Sea surface temperature [in "Arctic Report Card 2020"], NOAA, DOI:10.25923/v0fs-m920.
- [7] Timmermans, M.-L., **Z.M. Labe**, and C. Ladd (2020), [The Arctic] Sea surface temperature [in "State of the Climate in 2019"]. *Bull. Amer. Meteor. Soc.*, DOI: 10.1175/BAMS-D-20-0086.1.
- [6] **Labe, Z.M.**, Y. Peings, and G. Magnusdottir (2020), Warm Arctic, cold Siberia pattern: role of full Arctic amplification versus sea ice loss alone, *Geophysical Research Letters*, DOI:10.1029/2020GL088583.
- [5] Thoman, R.L., U. Bhatt, P. Bieniek, B. Brettschneider, M. Brubaker, S. Danielson, **Z.M. Labe**, R. Lader, W. Meier, G. Sheffield, and J. Walsh (2020), The record low Bering Sea ice extent in 2018: Context, impacts and an assessment of the role of anthropogenic climate change [in "Explaining Extreme Events of 2018 from a Climate Perspective"]. *Bull. Amer. Meteor. Soc.*, DOI:10.1175/BAMS-D-19-0175.1
- [4] **Labe, Z.M.**, Y. Peings, and G. Magnusdottir (2019), The effect of QBO phase on the atmospheric response to projected Arctic sea ice loss in early winter, *Geophysical Research Letters*, DOI:10.1029/2019GL083095.
- [3] **Labe, Z.M.**, Y. Peings, and G. Magnusdottir (2018), Contributions of ice thickness to the atmospheric response from projected Arctic sea ice loss, *Geophysical Research Letters*, DOI:10.1029/2018GL078158.
- [2] **Labe, Z.M.**, G. Magnusdottir, and H.S. Stern (2018), Variability of Arctic sea ice thickness using PIOMAS and the CESM Large Ensemble, *Journal of Climate*, DOI:10.1175/JCLI-D-17-0436.1.
- [1] **Labe, Z.M.**, T.R. Ault, and R. Zurita-Milla (2016), Identifying Anomalously Early Spring Onsets in the CESM Large Ensemble Project, *Climate Dynamics*, DOI:10.1007/s00382-016-3313-2.


## FELLOWSHIPS AND AWARDS

2020-2021	SoGES Sustainability Leadership Fellow, Colorado State Univ.
Sep. 2019	Kavli Fellow, National Academy of Sciences
Jan. 2019	Outstanding Student Presentation Award - AMS Conference on Middle Atmosphere
Nov. 2018	Travel Award - AMS Conference on Middle Atmosphere
2016-2018	NSF NRT-DESE in Data Science & Physical Science Fellowship
Su. 2016	Data Science Initiative Fellowship, Department of Statistics, UC Irvine
Wi. 2016	Jenkins Family Graduate Fellowship in Earth System Science, Department of Earth System Science, UC Irvine

## PROFESSIONAL ACTIVITIES

2020-Present	Board of Advisors for the NCAR/UCAR Climate Data Guide
2020-Present	Proposal Referee - <i>NSF (GEO/AGS)</i>
2018-Present	Journal Manuscript/Conference Paper Referee <a href="#">[Publons]</a>
2019-2021	Student Board Member, AMS's Board on Societal Impacts
2017-2020	Vice President & Communications Chair, Student Chapter of the AMS at UC Irvine
2017-2020	Student Board Member, AMS's Committee on Climate Variability and Change
2017-2018	Member, Student Communications Working Group, UC Irvine
Aug. 2017	Expert Contributor to the UCAR Climate Data Guide: "Sea Ice Thickness Data Sets: Overview & Comparison Table"
2014-2015	President, AMS Student Chapter, Cornell University

## SELECTED MEDIA/QUOTES

	Visit my <a href="#">Twitter</a> (>34,900 followers)  !
2021	Blasting News, Carbon Brief, CBS News, Inside Climate News, KCSU FM Radio, Weather Geeks Podcast
2020	ABC, Australian Broadcasting Corporation, Euronews, Guardian, Mashable, National Geographic, Vox, Washington Post
2019	Axios, Carbon Brief, CBS News, Earther, Euronews, Expressen, Forbes, Guardian, The Hill, Heidi.news, Mashable, Motherboard, Popular Science, TIME, Washington Post, Wunderground
2018	Arctic Today, The Atlantic, Carbon Brief, Earther, Euronews, Grist, High North News, KTUU Anchorage, KUCI Radio, O Globo, PennLive, UT Austin Geoscience Blogs, United States Senate, Val 202, Washington Post
2017	Buzzfeed News, Carbon Brief, Climate Central, KUAC Alaska, Mashable, Sydney Morning Herald, UCI News, USA Today, Verge, Washington Post, Yahoo News
2016	American Geophysical Union Blogs, Climate Central, Cornell University News, Forbes, Mashable, New York Times, National Public Radio, Sydney Morning Herald, Vox, Washington Post, The Weather Channel, Wunderground, Yahoo News