

Brandon O. Wolding

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Appointments

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| May 2022 - Present
CIRES/NOAA PSL, Boulder, CO | Research Scientist II |
| August 2020 - April 2022
CIRES/NOAA PSL, Boulder, CO | Research Scientist I |
| August 2018 - July 2020
NOAA PSL, Boulder, CO | NOAA Climate and Global Change Fellow |

Education

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| January 2013 - May 2017 | Colorado State University <ul style="list-style-type: none">- Ph.D. Atmospheric Science- Dissertation: Vertically Resolved Weak Temperature Gradient Analysis of the Madden-Julian Oscillation |
| August 2011 - December 2013 | Colorado State University <ul style="list-style-type: none">- MSc Atmospheric Science- Thesis: Moist Static Energy and the Madden-Julian Oscillation: Understanding Initiation, Maintenance and Propagation Through the Application of Novel Diagnostics |
| February 2009 - June 2010 | University of Cape Town, South Africa <ul style="list-style-type: none">- MSc Applied Marine Science- Thesis: Exploring Winter Rainfall in Western South Africa: Connections, Influences, and the Potential for Statistical Seasonal Forecasting |
| August 2002 - January 2007 | Hawaii Pacific University <ul style="list-style-type: none">- BSc Oceanography |

Publications

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| 2023 | Wolding, B. , A. Rydbeck, J. Dias, F. Ahmed, M. Gehne, G. Kiladis, E. Riley Dellaripa, X. Chen, and I. McCoy (2023), Atmosphere-ocean coupled energy budgets of shallow and deep tropical convective discharge-recharge cycles, <i>J. Atm. Sci.</i> , Accepted with revisions
Chen, X., J. Dias, B. Wolding , R. Pincus, C. DeMott, G. Wick, E. J. Thompson, and C. W. Fairall (2023), Ubiquitous sea surface temperature warm anomalies increase trade-wind cloudiness, <i>J. Atm. Sci.</i> , Accepted with revisions |
| 2022 | Wolding, B. , S. W. Powell, F. Ahmed, J. Dias, M. Gehne, G. Kiladis, and J. D. Neelin (2022), Tropical thermodynamic-convection coupling in observations and reanalyses, <i>J. Atm. Sci.</i> , 79 (7), 1781-1803
Gehne, M., B. Wolding , J. Dias, and G. Kiladis (2022), Diagnostics of tropical variability for numerical weather forecasts, <i>Weather and Forecasting</i> , 37(9), 1661-1680 |
| 2020 | Wolding, B. , J. Dias, G. Kildadis, E. D. Maloney, and M. Branson (2020), Interactions between moisture and tropical convection. Part II: The convective coupling of equatorial waves, <i>J. Atm. Sci.</i> , 77(5), 1801-1819
Wolding, B. , J. Dias, G. Kildadis, F. Ahmed, S.W. Powell, E. D. Maloney, and M. Branson (2020), Interactions between moisture and tropical convection. Part I: The co-evolution of moisture and convection, <i>J. Atm. Sci.</i> , 77(5), 1783-1799 |
| 2018 | DeMott, C., B. Wolding , E. D. Maloney, and D. Randall (2018), Atmospheric mechanisms for MJO decay over the Maritime Continent, <i>J. Geophys. Res.</i> , 123(10), 5188-5204 |
| 2017 | Wolding, B. , E. D. Maloney, S. Henderson, and M. Branson (2017), Climate change and the Madden-Julian Oscillation: A vertically resolved weak temperature gradient analysis, <i>J. Adv. Model. Earth Syst.</i> , 9(1), 307-331
Singh, M. S., Z. Kuang, E. D. Maloney, W. M. Hannah, and B. Wolding (2017), Increasing potential for intense tropical and subtropical thunderstorms under global warming, <i>Proc. National Acad. Sci.</i> , 114(44), 11657-11662 |
| 2016 | Wolding, B. , E. D. Maloney, and M. Branson (2016), Vertically resolved weak temperature gradient analysis of the Madden-Julian Oscillation in SP-CESM, <i>J. Adv. Model. Earth Syst.</i> , 8(4), 1586-1619 |
| 2015 | Wolding, B. and E. D. Maloney (2015b), Objective diagnostics and the Madden-Julian Oscillation. Part II: Application to moist static energy and moisture budgets, <i>J. Clim.</i> , 28(19), 7786-7808 |

Wolding, B. and E. D. Maloney (2015a), Objective diagnostics and the Madden-Julian Oscillation. Part I: Methodology, *J. Clim.*, 28(10), 4127-4140

Maloney E. D. and **B. Wolding** (2015), Initiation of an intraseasonal oscillation in an aquaplanet general circulation model, *J. Adv. Model. Earth Syst.*, 7(4), 1956-1976

Honors and Awards

2018	NOAA Climate and Global Change Fellow , UCAR CPAESS
2016	Outstanding Student Paper Award , American Geophysical Union
2016	SoGES Sustainability Leadership Fellow , Colorado State University
2015	Outstanding Student Presentation , American Meteorological Society
2015	Teaching Fellow , Colorado College
2010	Distinction Awarded , University of Cape Town
2006	Outstanding Student in Oceanography , Hawaii Pacific University

Service

2021 - Present	Associate Editor of Monthly Weather Review
2021 - 2023	Co-chair of 9th, 10th, and 11th MJO Symposium at the AMS Annual Meeting and Convection session at AMS Tropical Conference
2022	Co-chair of Convection Symposium at AMS Tropical Conference
2022	Mentor in Research Experience for Community College Students (RECCS) program, administered by University of Colorado Boulder
2020 - 2022	Advisory Board Member for Colorado Early Colleges Fort Collins (CECFS)
2013 - Present	Reviewer for Journal of Climate, Journal of Atmospheric Science, and Journal of Geophysical Research, among many others

Teaching Experience

Spring Semester 2015	Colorado College - Primary Instructor, Introduction to Climate Change
Spring Semester 2014	Colorado State University - Graduate Teaching Assistant, ATS 606 Introduction to Climate

Additional Work Experience

March 2007 - July 2008	Observer Biologist
National Marine Fisheries Service MRAG Americas Honolulu, Hawaii	- Collection of species data and samples aboard longline tuna and swordfish boats in Hawaiian and American Samoan fisheries
February 2007 - January 2009	Proprietor of Video Production Company
Puena Productions Amherst Jct, WI	- Video capture, editing and production per government contract - Managing and coordinating multiple projects simultaneously