

# XIUYUAN DING

Ph.D. Candidate

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## EDUCATION

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| University of California, Los Angeles, CA, USA<br><i>Advanced to Candidacy (08/06/2022)</i><br><i>M.S. in Atmospheric and Oceanic Sciences (11/06/2021)</i> | 2019–present |
| Lanzhou University, Lanzhou, China<br><i>B.S. in Atmospheric Sciences (06/2019)</i>   | 2015–2019    |

## PUBLICATIONS

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- Ding, X.**, Chen, G., & Ma, W. Stratosphere-troposphere Coupling of Extreme Stratospheric Wave Activity in CMIP6 Models. In revision at *Journal of Geophysical Research: Atmospheres*
- Ding, X.**, Chen, G., Zhang, P., Domeisen, D. I. V., & Orbe, C. (2023). Extreme Stratospheric Wave Activity as Harbingers of Cold Events over North America. *Communications Earth & Environment*, 4, 187. <https://doi.org/10.1038/s43247-023-00845-y>
- Ding, X.**, Chen, G., Sun, L., & Zhang, P. (2022). Distinct North American Cooling Signatures Following the Zonally Symmetric and Asymmetric Modes of Winter Stratospheric Variability. *Geophysical Research Letters*, 49(6), e2021GL096076. <https://doi.org/10.1029/2021GL096076>

## SELECTED CONFERENCES

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- Ding, X.\* & Chen, G., 2023: Assessing Stratosphere-troposphere Coupling of Extreme Stratospheric Wave Activity in CMIP6 Models. *European Geosciences Union General Assembly 2023, Online*. (Apr 23–28, 2023, Oral)
- Ding, X.\* & Chen, G. & Zhang, P., 2022: Examining the Causality between Stratospheric Planetary Wave Activity and North American Cold Extremes. *American Geophysical Union 2022 Fall Meeting, Chicago, IL*. (Dec 12–16, 2022, Oral)
- Ding, X.\* & Chen, G., & Zhang, P., 2022: Disentangling the Causality between Stratospheric Planetary Wave Activity and North American Cold Events. *4<sup>th</sup> Annual California Geophysical Fluid Dynamics (CalGFD) Meeting 2022, Pasadena, CA*. (Aug 18–19, 2022, Oral)

2022 NCAR ASP Colloquium Workshop: The Science of Subseasonal to Seasonal (S2S) Predictions. *Boulder, CO*. (Jul 11–15, 2022, Poster)

Ding, X.\* , Chen, G., Sun, L., & Zhang, P., 2022: Distinct North American Cooling Signatures Following the Zonally Symmetric and Asymmetric Modes of Stratospheric Variability in the Northern Hemisphere Winter. *102<sup>nd</sup> American Meteorological Society Annual Meeting 2022, Online*. (Jan 23–27, 2022, Oral)

## HONORS AND AWARDS

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| Dissertation Year Fellowship, UCLA ( <b>\$38,000</b> )                       | 06/2023 |
| Paul M. Furukawa Memorial Fellowship, Dept. of AOS, UCLA ( <b>\$12,500</b> ) | 09/2022 |
| Outstanding Bachelor's Thesis, Lanzhou University                            | 05/2019 |
| Outstanding Student Scholarship, Lanzhou University                          | 06/2017 |
| Outstanding Student Cadre, Lanzhou University                                | 05/2016 |

## TEACHING EXPERIENCE

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Teaching Assistant of AOS 3 – Meteorology and Extreme Weather, 2023 Spring  
 Special Reader of AOS C170/C227 – Advanced Dynamics and Synoptic Meteorology, 2023 Winter  
 Teaching Assistant of AOS 51 – Fundamentals of Climate Science, 2022 Spring

## SERVICE

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Reviewer for *Geophysical Research Letters*  
 Volunteer, Exploring Your Universe at UCLA, 2021, 2022  
 Student-invited seminar organizer, UCLA AOS, 2022–2023  
 Student representative, AOS 270 committee, UCLA, 2022–2023