

XIUYUAN DING

Ph.D. Candidate

Department of Atmospheric and Oceanic Sciences, University of California, Los Angeles

7984 Mathematical Sciences Building, 520 Portola Plaza, Los Angeles, CA 90095

Email: dingxy@ucla.edu

EDUCATION

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

PUBLICATIONS

- Ding, X.**, Chen, G., & Ma, W. (2023). Stratosphere-Troposphere Coupling of Extreme Stratospheric Wave Activity in CMIP6 Models. *Journal of Geophysical Research: Atmospheres*, 128, e2023JD038811. <https://doi.org/10.1029/2023JD038811>
- 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

- Ding, X.*, Chen, G., Zhang, P., Domeisen, D. I. V., & Orbe, C., 2023: Stratospheric Wave Precursor of Cold Events over North America. *DynVar/SNAP Workshop, Munich, Germany*. (Oct 9–13, 2023, Oral)
- Ding, X.*, Chen, G., Zhang, P., Domeisen, D. I. V., & Orbe, C., 2023: Causality between Extreme Stratospheric Wave Activity and Cold Extremes over North America. *S2S Summit 2023, Reading, UK*. (Jul 3–7, 2023, Poster)
- 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. *4th 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. *102nd American Meteorological Society Annual Meeting 2022, Online*. (Jan 23–27, 2022, Oral)

HONORS AND AWARDS

Travel Support for DynVar/SNAP Workshop	07/2023
Dissertation Year Fellowship, UCLA (\$38,000)	06/2023
Paul M. Furukawa Memorial Fellowship, Dept. of AOS, UCLA (\$12,500)	09/2022
NCAR ASP Colloquium Travel Award	06/2022
Outstanding Bachelor's Thesis, Lanzhou University	05/2019
Outstanding Student Scholarship, Lanzhou University	06/2017

TEACHING EXPERIENCE

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

Reviewer for *Geophysical Research Letters*, *Climate Dynamics*
 Volunteer, S2S Summit at University of Reading, 2023
 Volunteer, Exploring Your Universe at UCLA, 2021, 2022
 Student-invited seminar organizer, UCLA AOS, 2022–2023

Student representative, AOS 270 committee, UCLA, 2022–2023