XIUYUAN DING

Ph.D. Candidate
Department of Atmospheric and Oceanic Sciences, University of California, Los Angeles
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EDUCATION

University of California, Los Angeles, CA, USA 2019–present
Advanced to Candidacy (Jun 2022)
M.S. in Atmospheric and Oceanic Sciences (Jun 2021)
Advisor: Prof. Gang Chen

Lanzhou University, Lanzhou, China 2015–2019
B.S. in Atmospheric Sciences (Jun 2019)

PUBLICATIONS

Ding et al. Surface Cooling Signature of Strong Stratospheric Wave Events Depends on the QBO Phase. *In preparation*

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 [Editor's Highlight]

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

SEMINARS

AOS Department Seminar, University of California, Los Angeles. (Apr 2024)

UNIL Atmospheric Processes Group Seminar, University of Lausanne, Switzerland. (Feb 2024)

SELECTED CONFERENCES

AMS Annual Meeting 2024, Baltimore, MD: Strong Stratospheric Wave Events Precede North American Cold Extremes. (Jan 2024, **Invited**)

AGU 2023 Fall Meeting, San Francisco, CA: The Impact of QBO on the Surface Signature of Strong Stratospheric Wave Events. (Dec 2023, Poster)

DynVar/SNAP Workshop, Munich, Germany: Stratospheric Wave Precursor of Cold Events over North America. (Oct 2023, Oral)

S2S Summit 2023, Reading, UK: Causality between Extreme Stratospheric Wave Activity and Cold Extremes over North America. (Jul 2023, Poster)

EGU General Assembly 2023, Online: Assessing Stratosphere-troposphere Coupling of Extreme Stratospheric Wave Activity in CMIP6 Models. (Apr 2023, Oral)

AGU 2022 Fall Meeting, Chicago, IL: Examining the Causality between Stratospheric Planetary Wave Activity and North American Cold Extremes. (Dec 2022, Oral)

4th Annual California Geophysical Fluid Dynamics (CalGFD) Meeting 2022, Pasadena, CA: Disentangling the Causality between Stratospheric Planetary Wave Activity and North American Cold Events. (Aug 2022, Oral)

2022 NCAR ASP Colloquium Workshop, Boulder, CO. (Jul 2022, Poster)

AMS Annual Meeting 2022, Online: Distinct North American Cooling Signatures Following the Zonally Symmetric and Asymmetric Modes of Stratospheric Variability in the Northern Hemisphere Winter. (Jan 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*

Poster contest judge, AMS Student Conference in Baltimore, 2024

Session chair, DynVar/SNAP Workshop in Munich, 2023

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

MENTORING

Graduate mentees: Jacob Chen (2022–2023, co-supervised with Gang Chen), He Huang (2022, co-supervised with Gang Chen)

Undergraduate mentees: Marianna Shand (2023, co-supervised with Gang Chen), Claire Fu (2021, co-supervised with Gang Chen)