Di Chen

Department of Atmospheric and Environmental Sciences
University at Albany, SUNY
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EDUCATION

Ph.D., Atmospheric Science May 2019 (expect)

University at Albany, SUNY

Advisor: Dr. Aiguo Dai

Dissertation: *Precipitation Characteristics in Observations and Climate Models and Their Dependence on Data Resolution*

B.S., Atmospheric Science 2014

Ocean University of China

Thesis (Honors): *Current and Future Changes of The North Atlantic Oscillation in ECHAM6*

EMPLOYMENT

Graduate Research Assistant 2014-present

University at Albany, SUNY

Advisors: Dr. Aiguo Dai

- Investigated precipitation characteristics in satellite observations and their dependence on data resolution
- Designed model experiments and investigated precipitation characteristics in CESM and their dependence on data resolution
- Analyzed precipitation characteristics using CMIP5 model outputs

Graduate Teaching Assistant 2015-2017

University at Albany, SUNY

Courses: Oceanography, Climate Change, Atmospheric Physics and Atmospheric Measurement

HONORS & AWARDS

Outstanding Student Paper Award 2016

AGU Fall Meeting: San Francisco, CA

Outstanding B.S. Thesis 2014

Ocean University of China

PUBLICATIONS

Chen, D., and A. Dai, 2017: Dependence of estimated precipitation frequency and intensity on data resolution, *Clim. Dyn.*, **50**, 3625, doi:10.1007/s00382-017-3830-7.

✧ **WORK IN PROGRESS**

Chen, D., and A. Dai, 2018: Precipitation Characteristics in the Community Atmosphere Model and Their Dependence on Model Resolution, to be submitted to *J. Adv. Model. Earth Syst.*

CONFERENCE PRESENTATIONS

Chen, D., and A. Dai, 2016: Estimates of Global Precipitation Frequency and Intensity and their Dependence on Data Resolution. Poster, *2016 Fall Meeting, AGU,* San Francisco, CA.

TECHNICAL SKILLS

Operating Systems	Windows, UNIX
Programming & Scripting Languages	NCL, Python, Fortran, Unix Shell Scripting, R, GrADS
Datasets	TRMM, CMORPH, GPM, GPCP, CPC, NCEP Stage IV, CMIP5 Archive