Linqiang He

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ResearchGate: https://www.researchgate.net/profile/Linqiang-He

Research Interests:

- Paleoclimate, future projection
- Monsoon, air-sea interaction

Education

2019-present **Meteorology (Ph.D. Candidate)**, Supervisor: Tianjun Zhou

Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China P.R.

2015-2019 **Atmospheric Sciences (B.S.)**

Nanjing University of Information Science and Technology, Nanjing, Jiangsu, China P.R.

Skills

- **Data processing and visualization**
  - Proficiency in Python, NCL, MATLAB, BASH
- **Diagnostic Technique**
  - Good working experience in running CESM (e.g., paleoclimate modeling)
  - Physical diagnosis (e.g., moisture budget, moist static energy budget)
  - Statistical techniques (e.g., optimal fingerprinting)
- **Strong oral and written communication skills**

Publication (published & submitted)

1. **He, L.,** Hao, X., et al. 2021. How Do Extreme Summer Precipitation Events Over Eastern China Subregions Change? ***Geophys. Res. Lett.***, 48.https://doi.org/10.1029/2020GL091849.
2. **He, L.,** Hao, X., et al. 2021. The asymmetric impacts of ENSO modoki on boreal winter

climate over the Pacific and its rim. ***Clim. Dyn.***, 56, 29–44. https://doi.org/10.1007/s00382-020-05395-z.

3. **He, L.**, Zhou, T., et al., 2022. South Asian summer rainfall from CMIP3 to CMIP6 models: biases and improvements. ***Clim. Dyn***. https://doi.org/10.1007/s00382-022-06542-4.
4. **He, L.**, Chen, X., et al. 2023. Common sources of model uncertainty in the mean-state of South Asian summer rainfall from CMIP3 to CMIP6. ***Journal of Climate***. Under review.
5. **He, L.**, Zhou, T., et al., 2023. Northward extension of East Asian summer monsoon since the Miocene driven by the Tibetan Plateau uplift. ***Geophys. Res. Lett***. Under review.
6. **He, L.**, Zhou, T., et al., 2023. Earlier seasonal march of the East Asian summer monsoon in the mid-Pliocene. ***Journal of Climate***. Under review.
7. **He, L.**, Zhou, T., et al., 2023. Orographically forced spring persistent rains emerge in East Asia but disappear in North America. Submitted.
8. **He, L.**, Zhou, T., et al., 2023. Past warm periods inform the future South Asian summer monsoon. in preparation.

Honors and Awards

- **2020 Excellent Freshman Scholarship (20000 RMB)**
  Institute of Atmospheric Physics, Chinese Academy of Sciences

Professional Services

- **2022-2023** Reviewer for ***Geophysical Research Lett***er, ***Climate dynamics***