

## Project Description

Dr. Jordan Christian is excited to announce two openings for a Master's student funded as a graduate research and/or teaching assistant. Research opportunities will focus on flash drought with the option to work on a variety of projects. Possible topics related to flash drought include numerical/climate modeling, compound and cascading impacts, multi-index approaches to identification, and subseasonal-to-seasonal (S2S) prediction.

## Qualifications

### Required

- Bachelor's degree in Atmospheric Science or a related field, earned prior to August 2025

### Preferred

- Experience with MATLAB or Python and working in Linux environment
- Knowledge of statistics
- Interest in S2S weather and climate extremes and working with large datasets

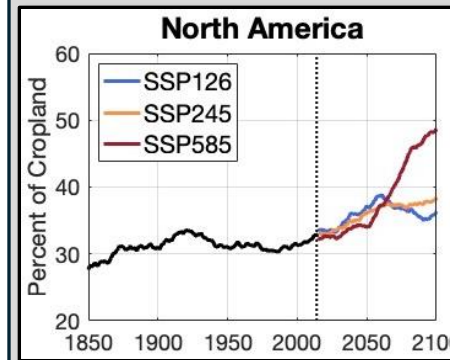
## Application Information

- If interested, reach out to Dr. Christian for more information via email ([jordan.i.christian@und.edu](mailto:jordan.i.christian@und.edu))
- Additionally, provide a CV, unofficial transcript, and a short summary of why you are interested in the position
- The deadline for applications is February 1, 2025 at <https://und.edu/admissions/graduate/apply.html>

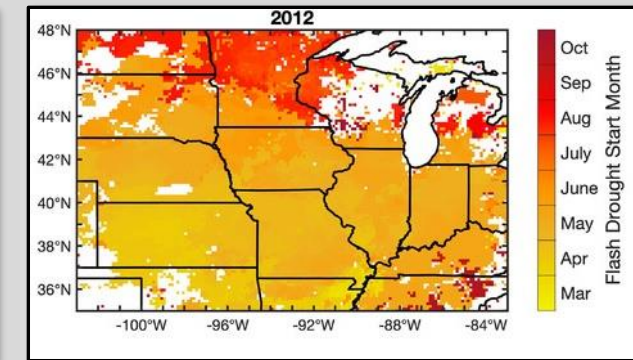
## Department Info

<https://aero.und.edu/atmos>

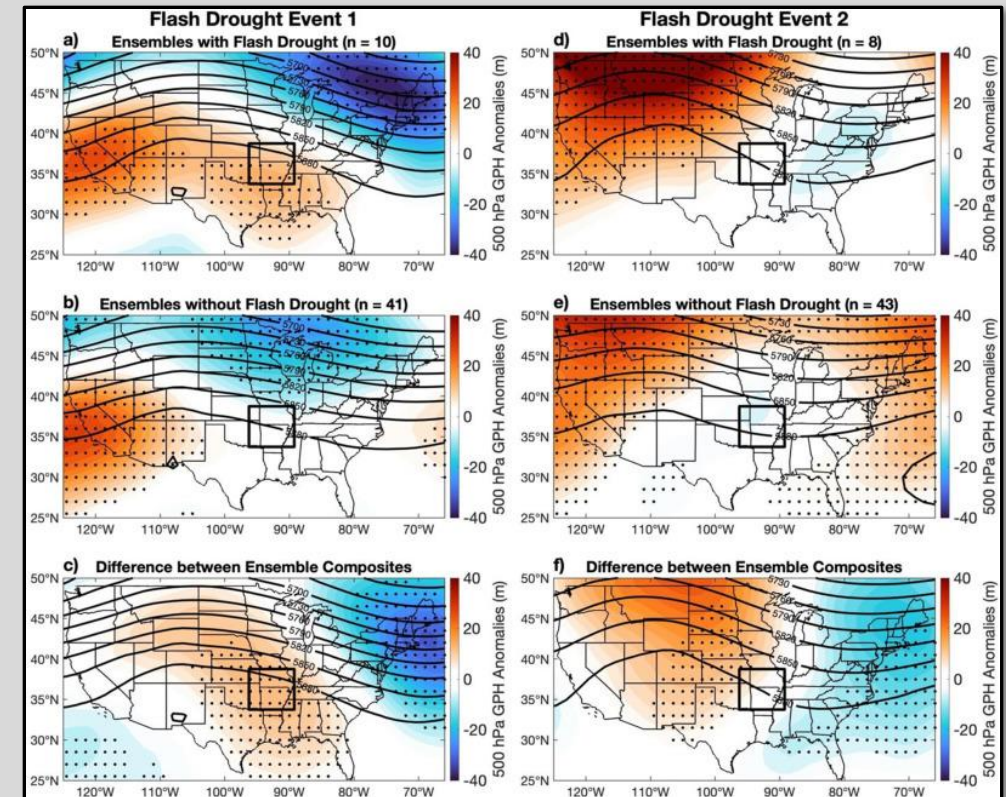
## Research Information



Yearly percentage of cropland experiencing flash drought from CMIP6 models. Adapted from Christian et al. 2023)



Timing of flash drought development across the central United States during 2012 using data from NLDAS-2. Adapted from Lowman et al. (2023).



500 hPa geopotential heights and anomalies from ECMWF S2S ensembles during two different flash drought events. Adapted from Christian et al. 2024.

