



Amanda Sheffield

Graduate Institution: Colorado State University

Graduate Discipline: Atmospheric Science

Hometown: Elyria, OH

Relevant SC Research: Biological and Environmental Research

Research Interest:

My research interests cross microscale to mesoscale atmospheric processes. The emphasis of my current work includes the influences of aerosols on convection, which can vary by the type of cloud and environment. I use high-resolution cloud resolving modeling to investigate these influences but am also interested in in-situ and satellite data. I am also interested in other areas of research including the diurnal cycle of convection, the direct and indirect effects of dust on convection (such as Saharan dust transported over the Atlantic), and the examination of microphysics in clouds.

About Me:

I am a member of the American Meteorological Society (AMS) and the American Geophysical Union (AGU) professional societies outside of my university. I've also been involved with planning student conferences within the AMS. Within my university and outside my research, I have begun to be involved in outreach programs within my department, including teaching elementary to high school teachers about weather and climate. I am aspiring for a PhD in atmospheric science and once completed hope to either become a

professor at a research level institution or a research associate at a national laboratory. This summer I will have a summer research intern to which I can hopefully expand my mentoring skills to reach these goals.

Outside of academic work, I have a great husband named Jesse and a loveable dog named Rotini. We enjoy the great outdoors here in Colorado as well as consider ourselves foodies as we love to try and to learn to cook a large variety of unique cuisines.



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