

Jordan Thomas

Born: May 4, 1990

Wichita, KS

Education

Johns Hopkins University (August 2012 – Present) **Baltimore, MD**

PhD in Earth and Planetary Science

Masters in Earth and Planetary Science

Dissertation: *Investigating Natural Variability in the Climate System*

Pennsylvania State University (August 2008 – May 2012) **University Park, PA**

Bachelors of Science in Meteorology

Concentration in Atmospheric Sciences

University of Southampton (January 2011 – July 2011)

Southampton, UK

Minor in Oceanography

Research Experience

Johns Hopkins University | RESEARCH ASSISTANT

September 2012 – Present

- Researched the **impact of ozone depletion** on atmospheric and oceanic circulation biogeochemistry.
- **Performed statistical analysis** on output from **27 coupled climate model simulations** (CMIP5) using Python to determine that recent trends in atmospheric quantities are likely caused by anthropogenic activities.
- **Designed and executed model simulations** using a fully coupled General Circulation Model to investigate relationship between ocean heat and carbon content.

Johns Hopkins University | TEACHING ASSISTANT

September 2015 – December 2015

Publications

First Author:

Thomas et al., “Relationship between ocean heat and carbon variability”. Journal of Climate. Submitted

Thomas et al., “Southern Hemisphere extratropical circulation: Recent trends and natural variability”. Geophysical Research Letters. 42. 5508-5515.

Contributing Author:

Brune et al., “Ozone Production chemistry in the presence of urban plumes”. Faraday Discussions. Vol 189.

Puesde et al., “On the temperature dependence of organic reactivity, nitrogen oxides, ozone production, and the impact of emission controls in San Joaquin Valley, California”. Atmospheric Chemistry and Physics. Vol 14.