

# Jeremy M. Klavans

3215 Oak Ave.  
Miami, FL 33133

410.971.8377  
jklavans@rsmas.miami.edu

## EDUCATION

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- University of Miami Rosenstiel School of Marine and Atmospheric Science** Miami, FL  
• Ph.D. in Meteorology and Physical Oceanography 2015 – Present  
• Advisor: Professor Amy Clement
- University of Chicago Harris School of Public Policy** Chicago, IL  
• M.S. in Environmental Science and Policy with Honors 2012 – 2014  
• Thesis: The Influence of Model Resolution on Temperature Variability  
• Advisors: Professors Elisabeth J. Moyer and Robert Rosner
- University of Miami** Coral Gables, FL  
• B.A., *cum laude*, in Ecosystem Science and Policy & Political Science with Departmental Honors 2007 – 2011

## RESEARCH EXPERIENCE

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- University of Miami Rosenstiel School of Marine and Atmospheric Science** Miami, FL  
Graduate Researcher 2015 – Present  
• Diagnosed the role of ocean dynamics in North Atlantic climate variability through the use of a model hierarchy  
• Explored potential mechanisms for shifts in NAO extremes with ocean model complexity
- Center for Robust Decision Making on Climate and Energy Policy** Chicago, IL  
Research Assistant 2013 – 2015  
• Assessed the influence of model resolution on the statistics of both local and global climate at all timescales  
• Developed decision-maker/citizen support tools focusing on climate and energy policy (e.g. [RPS Calculator](#))  
• Contextualized and clarified scientific and economic models into content for a general audience (e.g. [webDICE](#))
- Bulletin of the Atomic Scientists** Chicago, IL  
Research Assistant 2013 – 2015  
• Compiled country-level data on the cost of  $n^{\text{th}}$ -of-a-kind advanced fuel cycle reactors  
• Designed [online tool](#) to model and compare electricity costs of each fuel cycle for each country

## PROFESSIONAL EXPERIENCE

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- Maryland Department of the Environment, Water Management Administration** Baltimore, MD  
Compliance and Policy Analyst 2012  
• Collaborated with Compliance Engineers to ensure adequate drinking water quality  
• Distilled water policy for Marcellus Shale Safe Drilling Initiative and the Interstate Commission on the Potomac River Basin
- Beta Analytic** Miami, FL  
Laboratory Technician 2011  
• Assisted in the chemical preparation of samples for both the Accelerator Mass Spectrometry and Liquid Scintillation Counting methods of radiocarbon dating  
• Analyzed bio-based samples used to determine the renewable carbon content of submitted products
- World Wide Wind Development, LLC** Miami Beach, FL  
Policy Analysis Intern 2010 – 2011  
• Evaluated and projected the impact of proposed state energy policies on siting, grid-integration, and company revenues  
• Interfaced with local and state politicians in order to influence state energy policy and renewable energy ordinances
- Mountain Gorilla Veterinary Project** Baltimore, MD  
Laboratory Assistant 2006 – 2007  
• Traced malaria through gorilla family groups by analyzing blood, fecal, and other bodily samples  
• Wrangled penguins

## TEACHING EXPERIENCE

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### University of Miami Rosenstiel School of Marine and Atmospheric Science

Miami, FL

Teaching Assistant, Department of Meteorology (Professor Anthony Hynes)

2016

- Counseled Meteorology undergraduates on coursework, research, and professional advancement

### University of Chicago Harris School of Public Policy

Chicago, IL

Teaching Assistant, “Decisions and Organizations” (Professor Pablo Montagnes)

2014

- Lectured weekly and hosted review sessions for graduate level course

## PUBLICATIONS

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• Klavans, Jeremy M., Andrew Poppick, Shanshan Sun, and Elisabeth J. Moyer. “The Influence of Model Resolution on Temperature Variability.” *Climate Dynamics*, 2016, 1–11. doi:10.1007/s00382-016-3249-6

## PRESENTATIONS

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Oral Presentations:

- Klavans, Jeremy, and Amy Clement. “The Contribution of Ocean Dynamics to Interannual North Atlantic Climate Variability” COMPASS Seminar Series (RSMAS), Miami, FL, Upcoming, April 2017.

Poster Presentations:

- Klavans, Jeremy, and Amy Clement. “The Contribution of Ocean Dynamics to Interannual North Atlantic Climate Variability” American Geophysical Union Fall Meeting, San Francisco, CA, 2016.
- Klavans, Jeremy, and Amy Clement. “The Contribution of Ocean Dynamics to Interannual North Atlantic Climate Variability.” Model Hierarchy Workshop, Princeton, NJ, 2016.
- Klavans, Jeremy, and Amy Clement. “The Role of Thermal Coupling in Low Frequency North Atlantic Climate Variability.” Graduate Climate Conference, Seattle, WA, 2016.

## HONORS, SKILLS, AND CIVIC SERVICE

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- University of Miami Fellowship (highest award offered by UM Graduate School)
- Academic scholarships at the University of Chicago (M.S.) and University of Miami (B.A.)
- Programming: Matlab, Python, Bash, LaTeX, HTML, CSS
- Software: MS Office Suite (Word, Excel, Powerpoint), Stata, SPSS, Photoshop, ArcGIS
- Former staff writer for the Chicago Policy Review, former board member for the Chicago Environmental Policy Association
- Undefeated championship coach of 13 – 15 year-old co-ed flag football league
- Eagle Scout