

Robert A Junod

EDUCATION

Doctor of Philosophy in Atmospheric Science
University of Alabama in Huntsville

Master of Science in Atmospheric Science
University of Alabama in Huntsville
Graduation Date: August 2014

Bachelor of Science in Meteorology
Millersville University of Pennsylvania
Minor: Mathematics
Graduation Date: May 2009

WORK EXPERIENCE

Assistant State Climatologist, University of Alabama, Huntsville, Alabama;
July 2017-Present

- Assist the State Climatologist with various tasks.

Research Assistant II, ESSC, University of Alabama, Huntsville, Alabama;
December 2015-Present

- Evaluation of CMIP5 models
 - Used PYTHON and IDL to evaluate tropical oceanic heat transport and atmospheric fluxes.

Graduate Research Assistant, University of Alabama, Huntsville, Alabama;
May 2010 – December 2015

- Development of a homogenized data set of marine air temperature over the globe from 1900 to present.
 - Used FORTRAN, IDL, and PYTHON to process different data sets and create figures.
 - Used statistical analyses to quantify results.
- Evaluation of global climate models
- Teaching
 - Taught semester of undergraduate Classification and Physical Causes of Climate
 - Substitute for graduate Physical Climatology

Graduate Teaching Assistant, University of Alabama, Huntsville, Alabama;
August 2009 – May 2010.

- Taught lab sections for introductory Global and Climate Change class.
- Taught lab sections for introductory Severe Weather and Hazards class.

HONORS & ACTIVITIES

American Meteorological Society Local Chapter President 2010–2011
American Meteorological Society Local Chapter Treasurer 2007–2008

RELEVANT PUBLICATIONS

R. Christy, John & W. Spencer, Roy & D. Braswell, William & Junod, Robert. (2018). Examination of space-based bulk atmospheric temperatures used in climate research. *International Journal of Remote Sensing*. 39. 3580-3607. 10.1080/01431161.2018.1444293.

Baxter, S.R., Junod, R., and Yalda, S., A Climatology of the Wintertime Jet Stream and Lower-tropospheric Temperature Over the Mid-Atlantic United States Related to Global Atmospheric Oscillations, *J. of Pennsylvania Academy of Science*, 2009