

**Kathryn Steinmann**  
[Km08stei@gmail.com](mailto:Km08stei@gmail.com)  
**San Jose State University**  
**Master's Student, Department of Meteorology and Climate Science**

**Education**

M.S. Department of Meteorology and Climate Science, San Jose State University, San Jose, CA, expected graduation Fall 2019.

B.S. Department of Earth and Atmospheric Sciences, Metropolitan State University of Denver, Denver, CO, 2015.

B.S. Department of Biology, Siena College, Loudonville, NY, 2011.

**Employment**

Graduate Research Assistant (advised by Dr. Minghui Diao), San Jose State University, 2015 – present.

Teaching Assistant, Department of Meteorology and Climate Science, San Jose State University, 2015 – 2017.

Customer Service Representative, Best Friends Pet Care, 2012 – 2015.

Administrative Support Assistant, Albany Medical College, 2008 – 2010.

**Fellowships and Awards**

NCAR Advanced Study Program Fellowship, 2018.

NCAR Advanced Study Program Fellowship, 2016.

C.E. & A.D. Walker Scholarship, 2015 – 2016.

Stormy Rottman Endowed Memorial Scholarship, 2014 – 2015.

Siena College Franciscan Scholarship, 2007 – 2011.

**Manuscripts in Preparation**

Steinmann, K., M. Diao, L.L. Pan, and S. Honomichl. “Ozone bimodal distributions over the western tropical Pacific and its correlation with chemical tracers”, in preparation to Atmospheric Chemistry and Physics.

## **M.S. Thesis**

Kathryn Steinmann. (Advisor: Minghui Diao). Evaluation Tropical Tropospheric Ozone and Water Vapor in MERRA-2, ERA-Interim, and CAM-Chem Using Aircraft Observations from the Western Pacific. San Jose State University. 2019.

## **Presentations and Posters**

Steinmann, K., M. Diao. Examining the Relationships Between Ozone, Water Vapor, and Vertical Velocity in the Tropical Western Pacific During the CONTRAST Campaign and Their Representation in MERRA-2 Reanalysis. AMS Annual Meeting, January 2019. Phoenix, AZ, oral presentation.

Steinmann, K., M. Diao, Comparisons of Ozone Distribution, Water Vapor, and Vertical Velocity Using CONTRAST and Reanalysis Data. AGU Fall Meeting, December 2018. Washington D.C., poster presentation.

Steinmann, K., M. Diao. Examining the Distributions of Ozone, Water Vapor, and Chemical Tracers from the CONTRAST Campaign. AMS Annual Meeting, 2018. Austin, TX, poster presentation.

Steinmann, K., M. Diao, Bimodal Distributions of Ozone in Relation to Water Vapor, Cloud Hydrometeors, and Other Chemical Tracers Over the Tropical Western Pacific. AGU Fall Meeting, December 2017, New Orleans, LA, poster presentation.

Steinmann, K., M. Diao, C. Wu. Distributions of Relative Humidity, Vertical Velocity, and Chemical Tracers in the Tropical Tropopause Layer Using ATTREX and CONTRAST Campaigns and Their Representation in Numerical Models. AMS Annual Meeting, January 2017, Seattle, WA, oral presentation.

Steinmann, K., M. Diao, C. Wu. Distributions of Relative Humidity, Vertical Velocity, and Chemical Tracers in the Tropical Tropopause Layer from ATTREX and CONTRAST Campaigns. AGU Fall Meeting, December 2016, San Francisco, CA, poster presentation.

Diao, M., J. D'Alessandro, K. Steinmann. Ice Cloud Formation from In-Situ Airborne Observations to a Hierarchy of Models. Lawrence Berkley National Laboratory, November 2016, Berkley, CA, oral presentation.

Diao, M., J. D'Alessandro, K. Steinmann. Comparisons of Ice Supersaturation and Ice Microphysical Properties Between In-Situ Observations and a Hierarchy of Models: A Cloud Resolving Model, WRF, and CAM-Chem. NCAR, Atmospheric Observation and Modelling (ACOM) Laboratory seminar, July 2016, Boulder, CO, oral presentation.

## **Professional Organizations**

American Geophysical Union, 2016 – present; American Metrological Society 2016 – present

## **Skills**

Microsoft Office Suite, MATLAB, IDL, Python