

# Opportunities for Internships in the “Convective Atmosphere Group” with Matt Igel

There are always opportunities available in the group to work with data from various field campaigns conducted in the tropics, data from satellites, or data from cloud resolving models.

Recent undergraduate projects have included using soundings from a tropical island to assess the thermodynamic structure of the atmosphere and then relating that understanding to the production of precipitation from tropical thunderstorms, and using a very large suite (>2000) cloud resolving modeling simulations to disentangle the importance of thermodynamics and dynamics on precipitation intensity.

Potential projects include using a cloud model to determine the sensitivity of cloud properties to various forces that are usually ignored, using satellites to understand the dependence of precipitation rate on the internal structure of tropical clouds, or anything you’re really interested in related to clouds or rain.

