

Postdoctoral Position in Airborne Cloud Characterization through Microwave Radiometry and its Applications

This position is for a postdoctoral scientist to work on 1) characterizing clouds using measurements from a multi-frequency scanning airborne microwave radiometer, 2) applying advanced cloud property retrievals to better characterize cloud interactions with aerosols and meteorology, and 3) interfacing with a strong, diverse, experienced multi-disciplinary scientific team on further synergistic analyses. The position is funded through the five-year NASA Earth Venture Suborbital ACTIVATE (Aerosol Cloud meTeorology Interactions oVer the western ATlantic Experiment) project. ACTIVATE has the goal of robustly characterizing aerosol-cloud-meteorology interactions through extensive, systematic, simultaneous in-situ and remote sensing measurements of primarily liquid clouds made using two aircraft colocated within the same vertical column. The position will involve some travel to NASA Langley in Hampton, VA, Boulder, CO, and Tucson, AZ.

A recent PhD in atmospheric sciences/physics is required, with a background in atmospheric remote sensing preferred but not required. The ideal candidate will have advanced programming skills (e.g., Fortran, IDL, Matlab, and/or python), solid knowledge of cloud and atmospheric processes, experience with managing diverse datasets, capacity for both independent research and working within a team setting, and a demonstrated ability to synthesize scientific learning as shown through their publications. Strong oral and writing communication skills are required, with the scientist expected to lead publications for peer-reviewed journals. The position is nominally for one year, renewable for up to 5 years. Expected starting date is by summer of 2019.

Interested applicants should send a statement of interests and future goals, a CV and names of 3 references to: Paquita Zuidema (pzuidema@miami.edu). The position is located at the Rosenstiel School of Marine and Atmospheric Science at the University of Miami. The University of Miami offers competitive salaries and a comprehensive benefits package including medical and dental benefits, vacation and paid holidays. The University of Miami is an Equal Opportunity Employer - Females/Minorities/Protected Veterans/Individuals with Disabilities are encouraged to apply.