

African Dust Impacts on Clouds and Ecosystems

African dust is transported to North and South America as well as the Caribbean Islands where it impacts climate through impacts on radiation, clouds, ecosystems and the carbon cycle. We seek to better understand these impacts through field measurements in Barbados, where we have a field observation station (see Fig 1). This project involves analysis of the physical and chemical properties of these aerosols to determine their impacts. Samples will be analyzed from the recently completed MAGPIE campaign.

