

Terry Lathem

Background: Born in Gainesville, Georgia

Education: 2 yrs at Gainesville College

Transferred to Georgia Tech Fall 2004, Graduating Fall 2006.

Graduate School: School to be determined

Research Interests:

Weather (Severe Weather events, Hurricane dynamics)

Climate change

The influence of aerosols on climate

Application of UAV's to atmospheric research

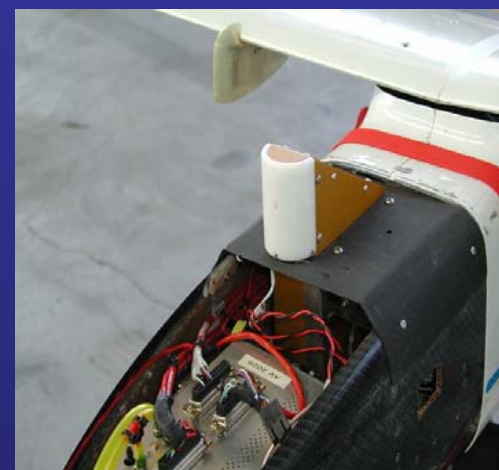
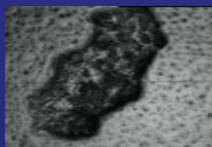
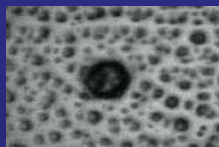


Current Research

The study of mixed phase clouds using a mini-VIPS on a UAV platform

Why UAV's? In-situ observations in high risk areas,

What is VIPS? Video Ice Particle Sampler. Captures and records images of ice particles ranging from 5 to >150 μm .



We then process these images in IDL and use Excel to obtain histograms of area ratio and number distributions, among other things.

Current Goals:

Continue studying the microphysical properties of clouds and their role in global climate.

Draw inter-comparisons between seasons to determine how arctic clouds respond to changes in aerosol concentration and/or temperature.