

# Measuring Mass-Based Hygroscopicity of Atmospheric Particles through *in situ* Imaging

Objective: Correlation of carbon functional groups/mixing state with water uptake

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Challenges or needed resources/collaborators: larger sample size?

Proof of concept, but possibly due to small sample size-failed to find carbon functional group or mixing state correlation with H<sub>2</sub>O uptake, lab standards mass based up take- good agreement with models

Summary of progress: unable to determine effect of mixing state on particle growth

