# Deliverable D1: Mixing state metrics from microscopy

Objective: Calculate quantitative mixing state metrics from single particle data (STXM, CCSEM/EDX) to characterize the time evolution of mixing state during CARES and MILAGRO.

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Collaborators: Nicole Riemer, Matthew West

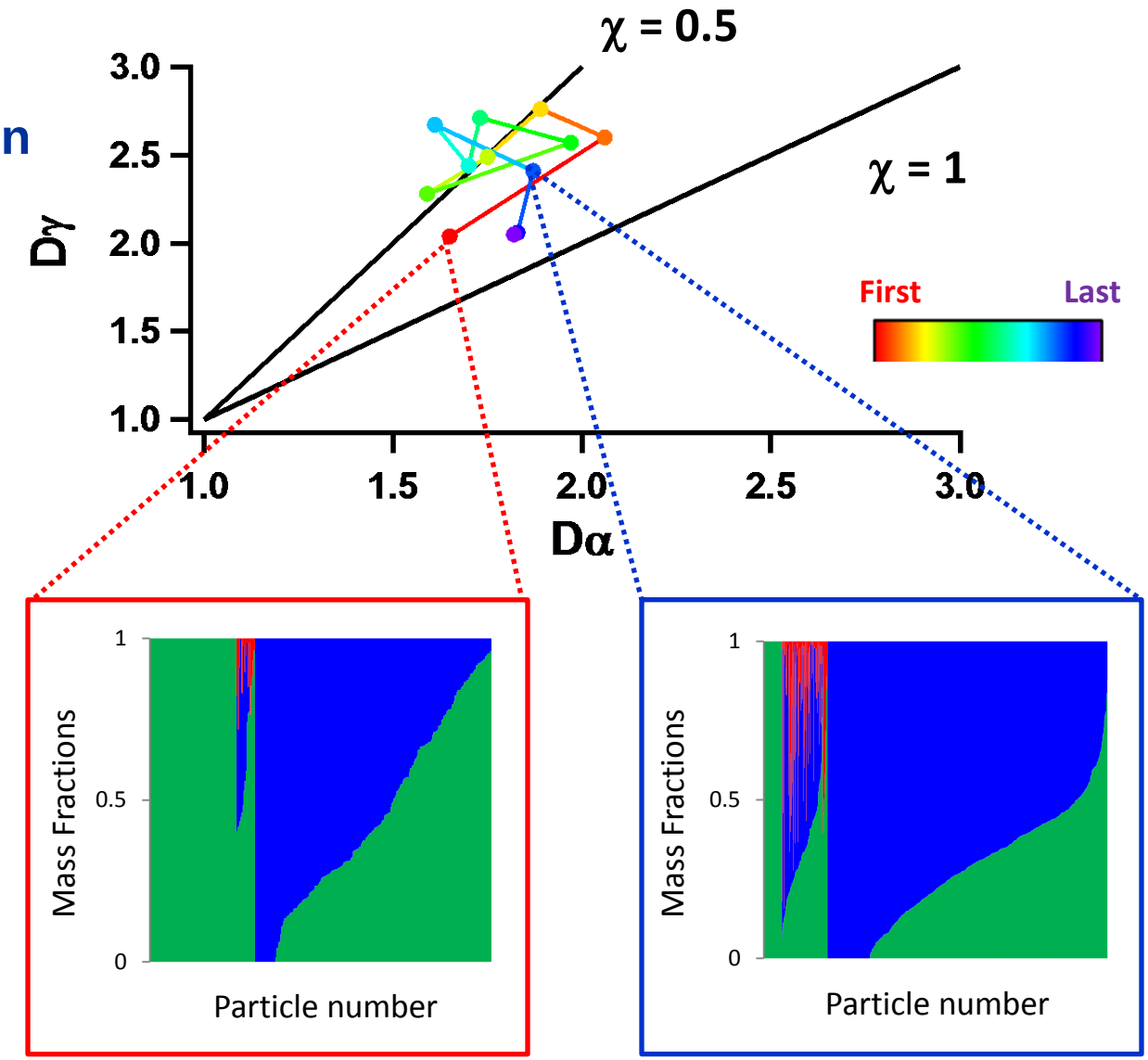
Funding status: funded

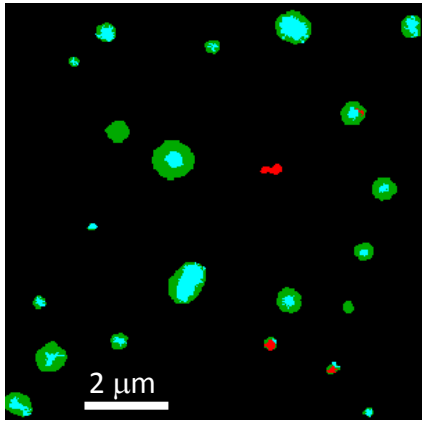
Challenges or needed resources/collaborators:

Summary of progress: (1) Providing observational constraints on the mixing state parameter (2) analysis of correlations between concurrent measurements (photochemical age, single scattering albedo, etc.) and parameterizations.

# STXM-Derived Mixing State Parameters

- Mixing state & location of inclusions
- Model the mixing state parameter

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Pictorial representation of Dα

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