

Cloud-Processing of BrC and BC from Biomass Burning

An integrated Particle Resolved Modeling and Laboratory Study using the Michigan Tech Turbulent Cloud Chamber

Objective: To Study cloud-processing of biomass burning aerosols

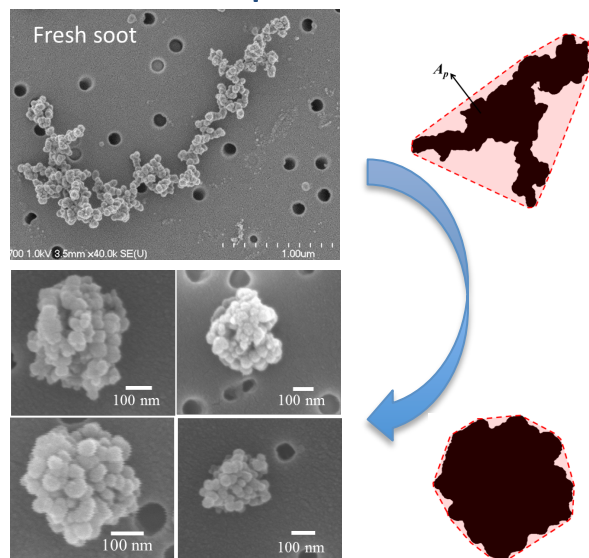
Lead personnel: Claudio Mazzoleni, Will Cantrell, Lynn Mazzoleni, Barbara Scarnato, Raymond Shaw, Nicole Riemer

Collaborators: David Ciochetto, Alex Laskin, Swarup China

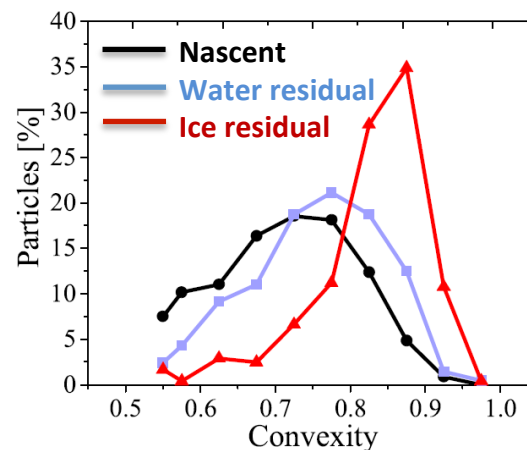
Funding status: **Proposed**

Challenges or needed resources/collaborators: **Funding, instrumentation....**

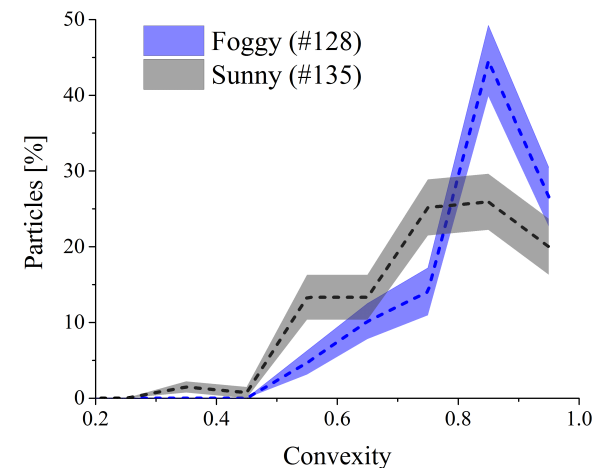
Summary of progress: Results obtained in the field and in the laboratory show soot compaction over different timescales



DE-SC0006941: China et al. GRL 2015

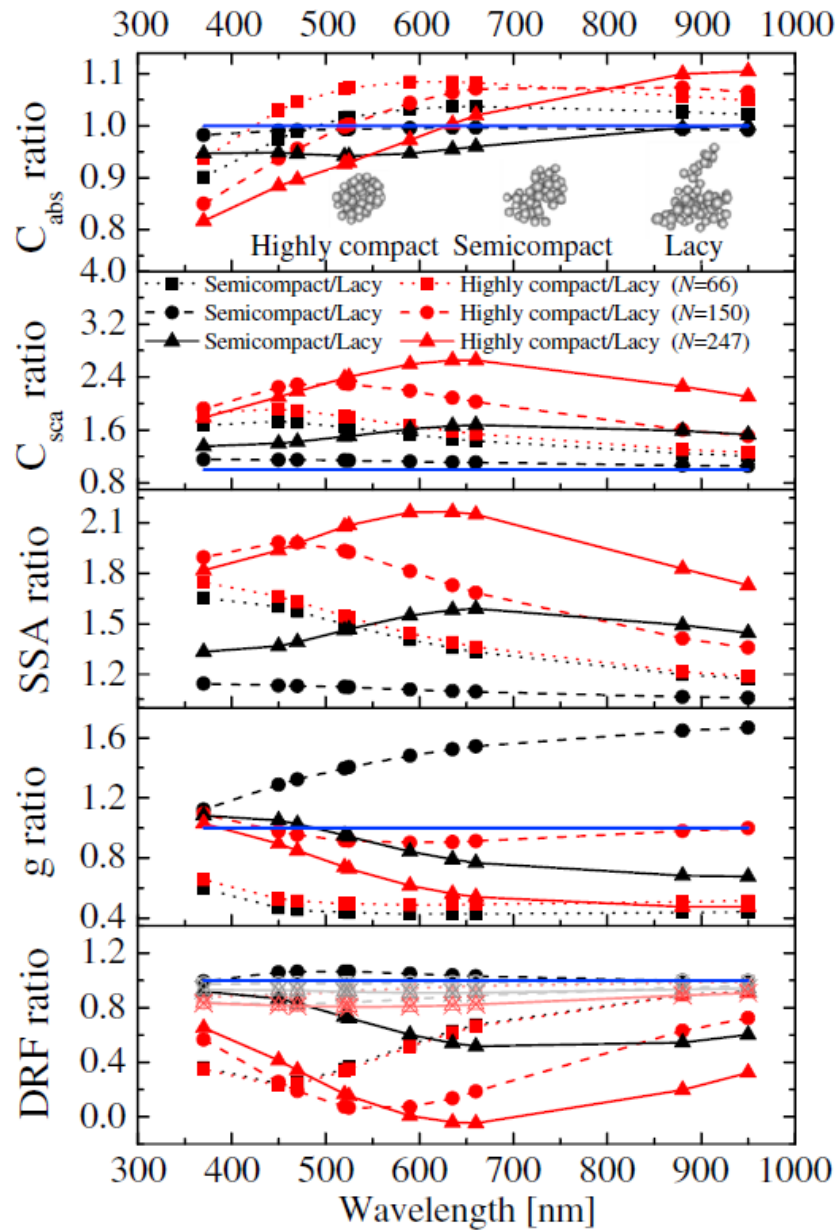


SAAS campaign:
China et al. ERL, 2015



San Pietro Capofiume, Italy, 2015:
Mazzoleni et al. EGU 2016

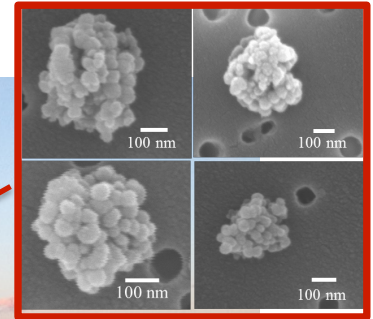
Some Results



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MTU cloud chamber: Chang et al. BAMS 2016