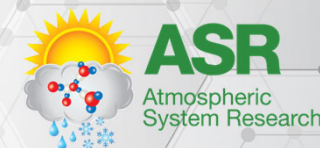


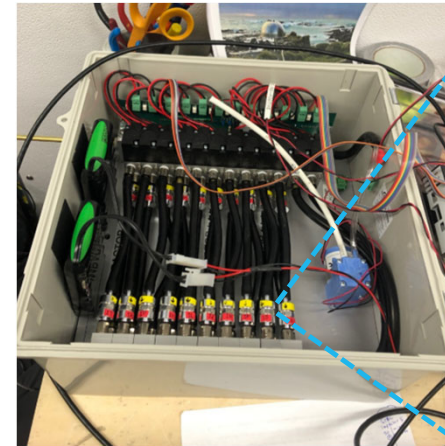


Insights into the single-particle composition and molecular composition of organic aerosol during SAIL

Swarup China, Zezhen Cheng, Gregory Vandergrift, Nurun Nahar Lata, Ashfiqur Rahman, Maria Zawadowicz, Allison Aiken, Paul Demott, Daniel Feldman

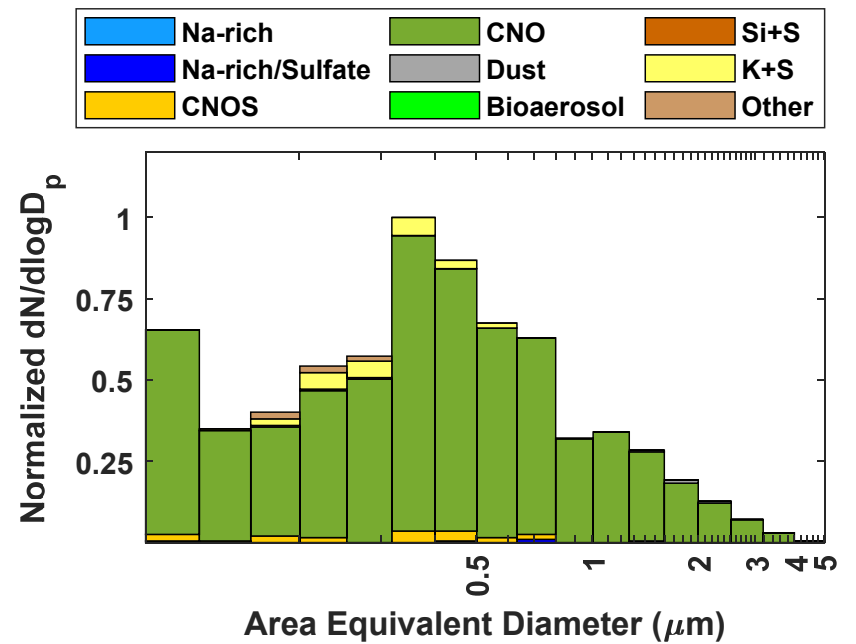
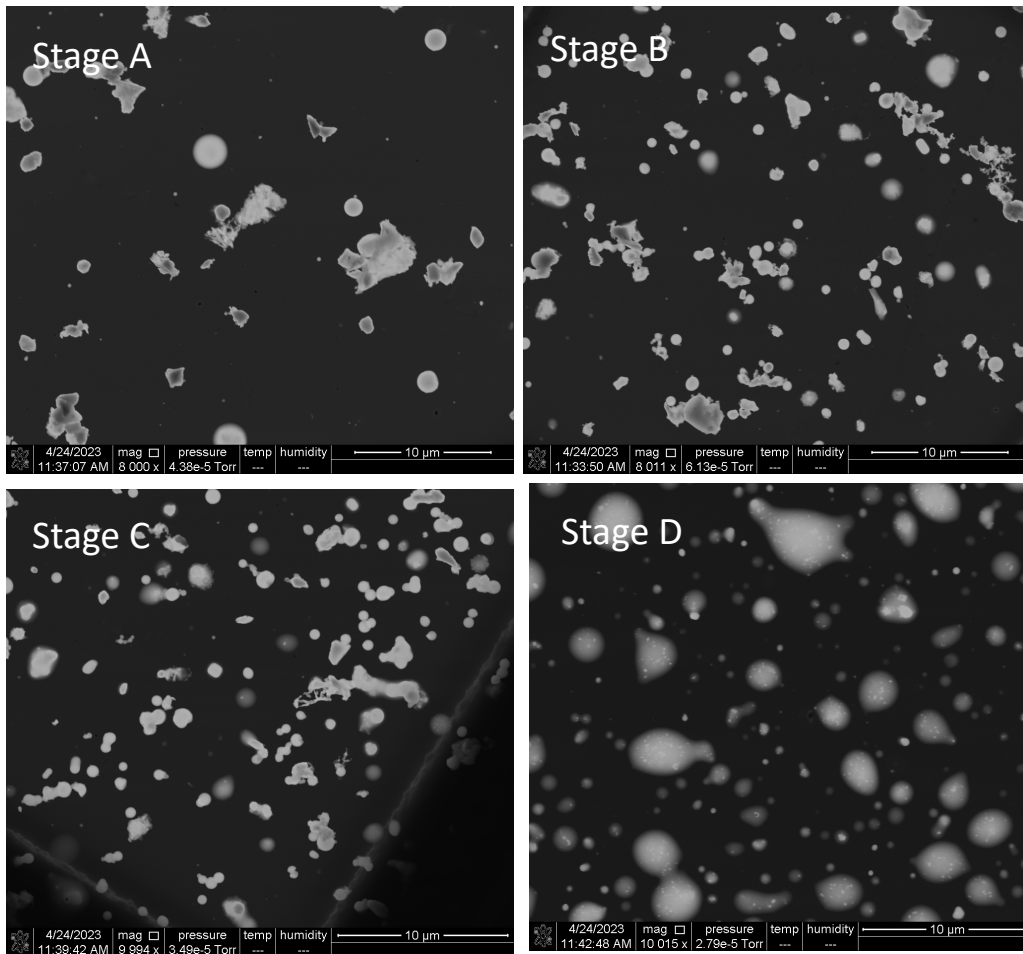


Size and time-resolved automated aerosol sampling

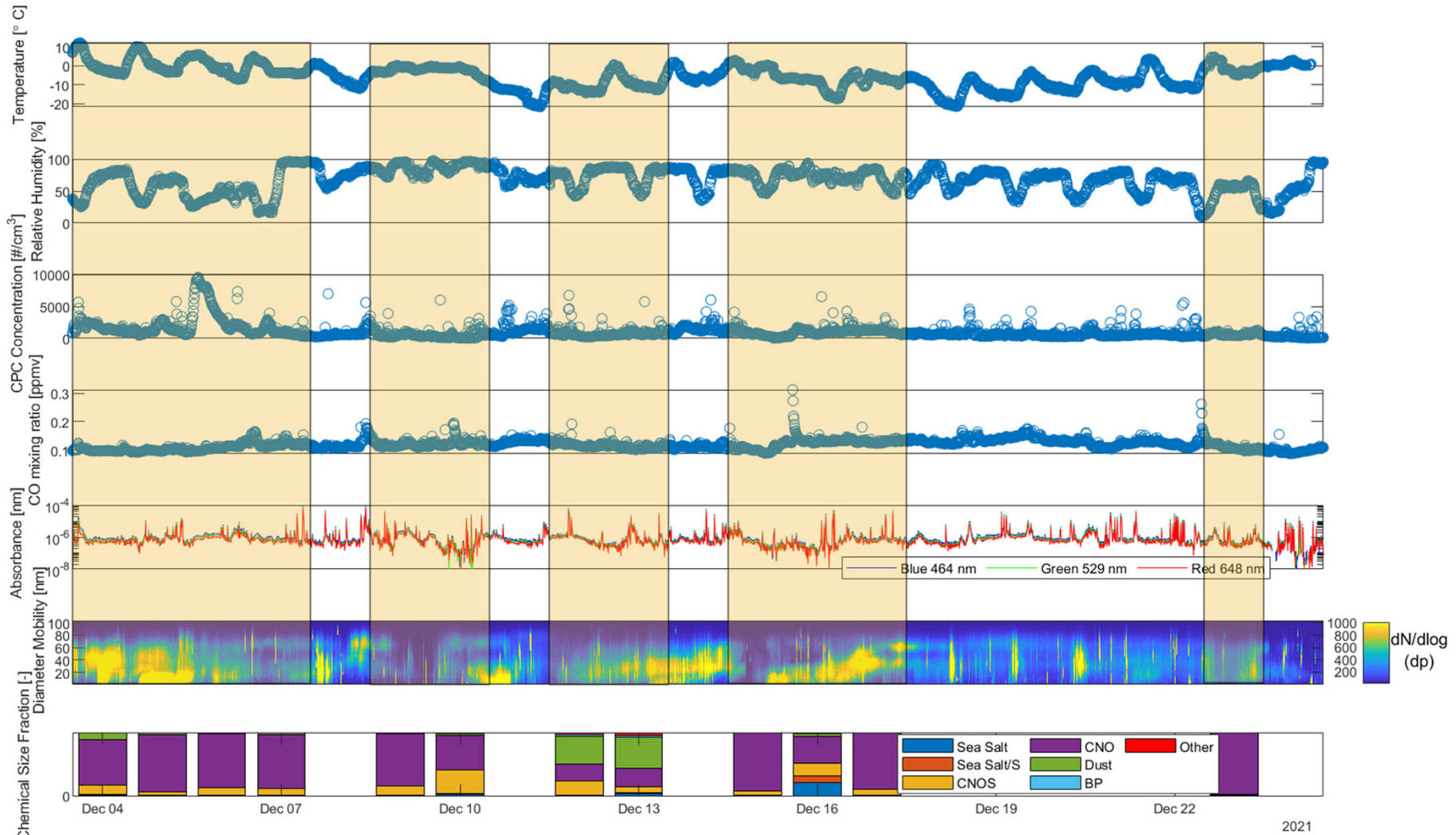


Size cut:
Stage A: 2.30 μm
Stage B: 0.62 μm
Stage C: 0.42 μm
Stage D: 0.12 μm

Size-resolved aerosol composition

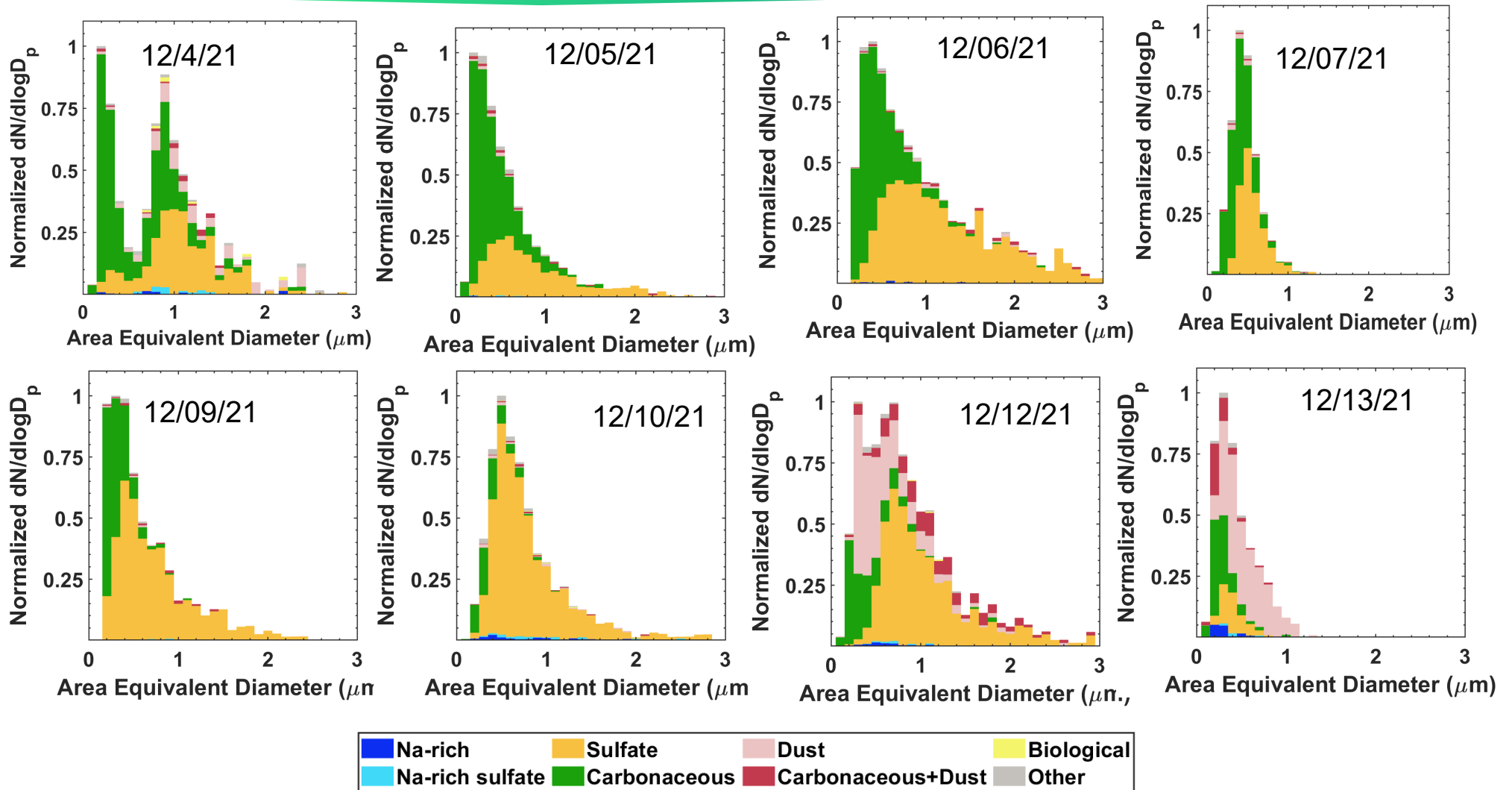


Development of size and time-resolved automated aerosol sampler for unmanned aerial systems

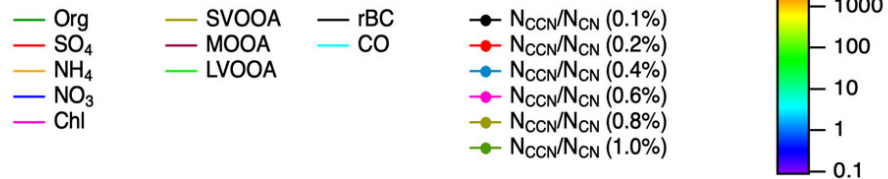
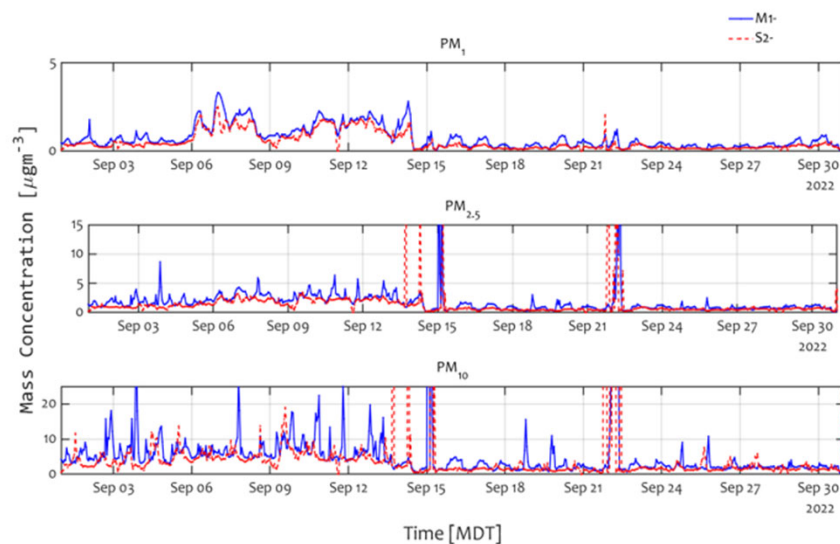
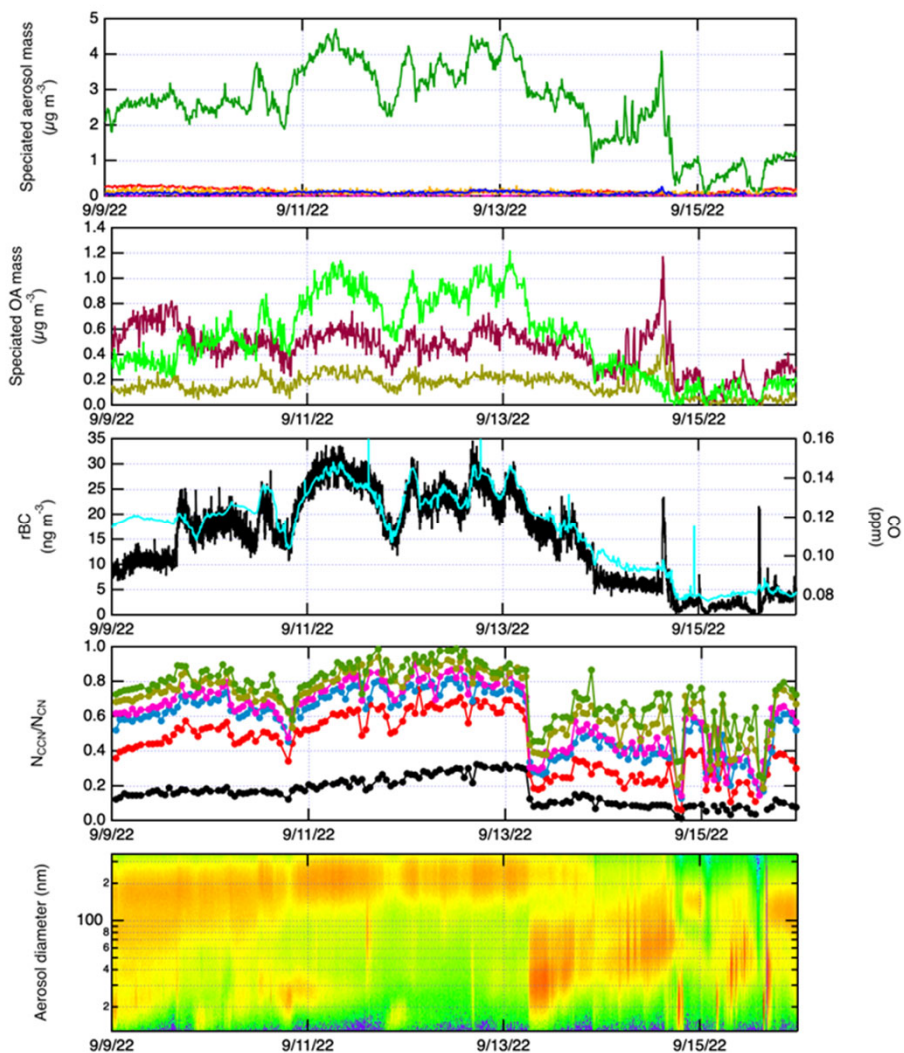


Size-resolved aerosol composition

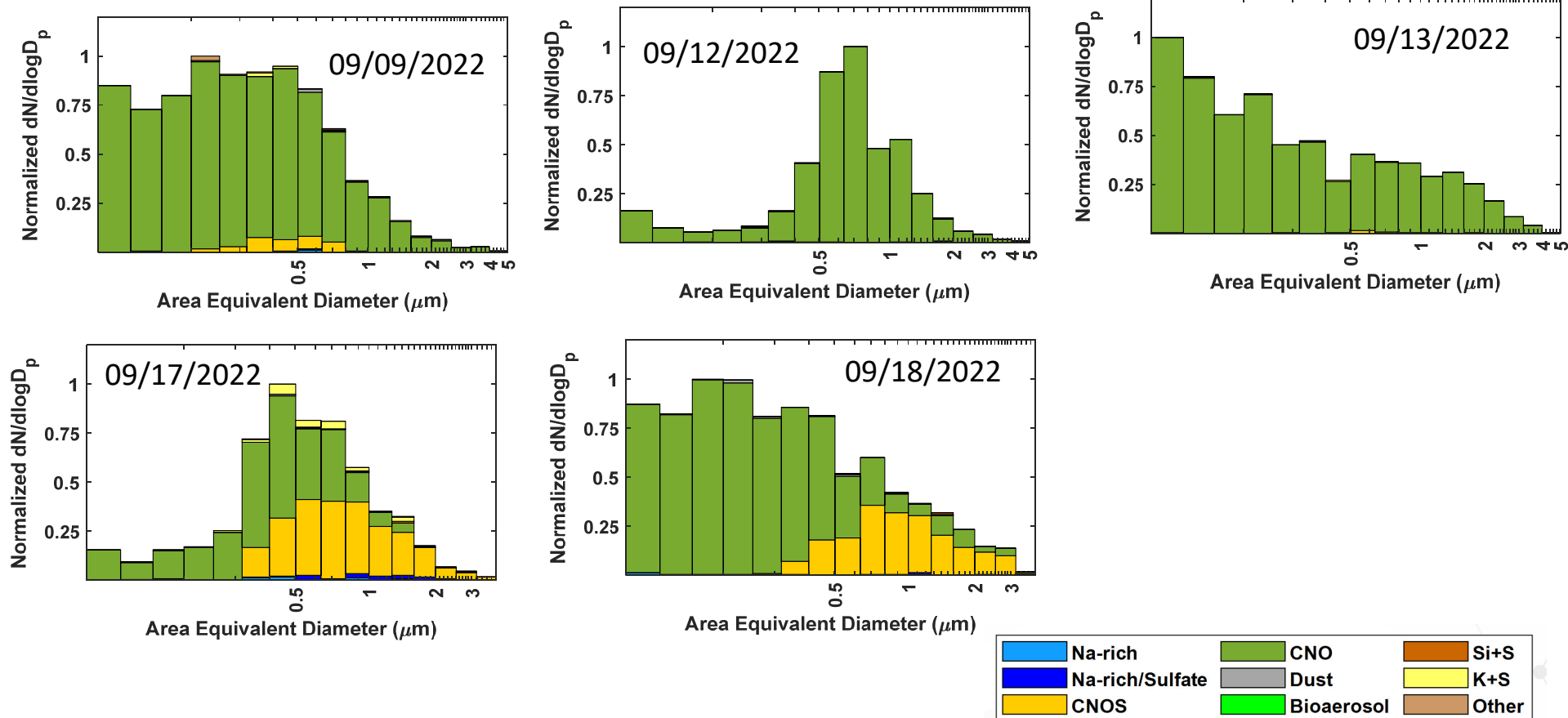
Na-rich sulfate Carbonaceous



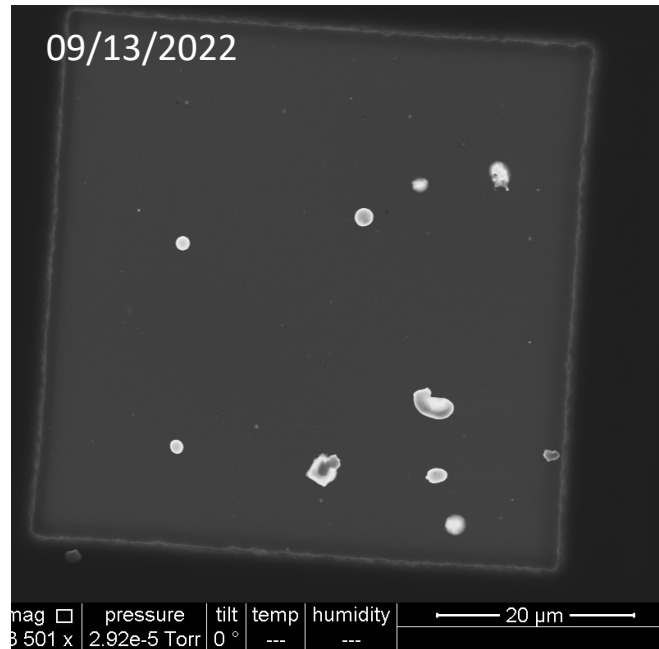
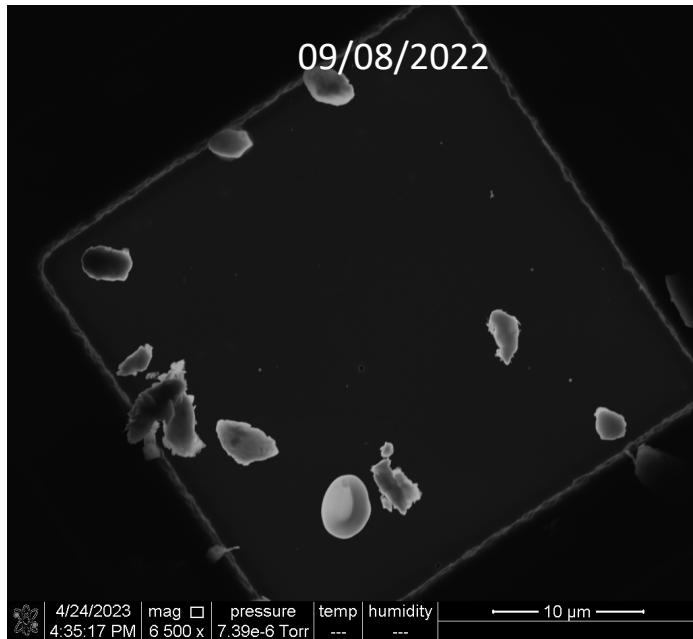
Interesting events-September 2022



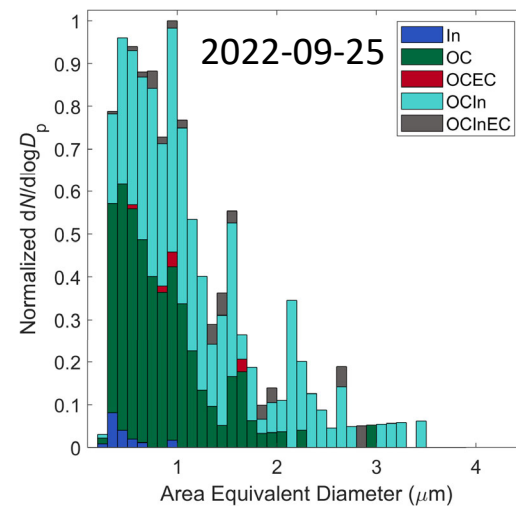
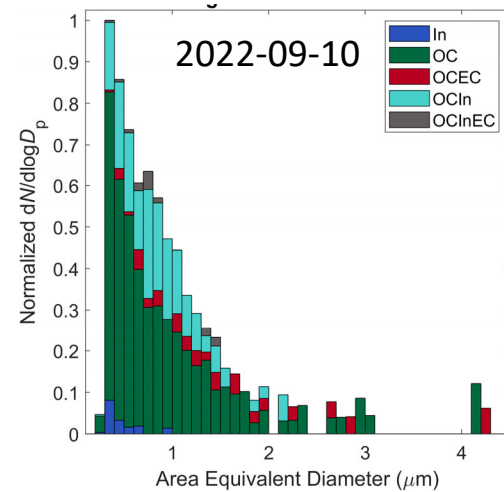
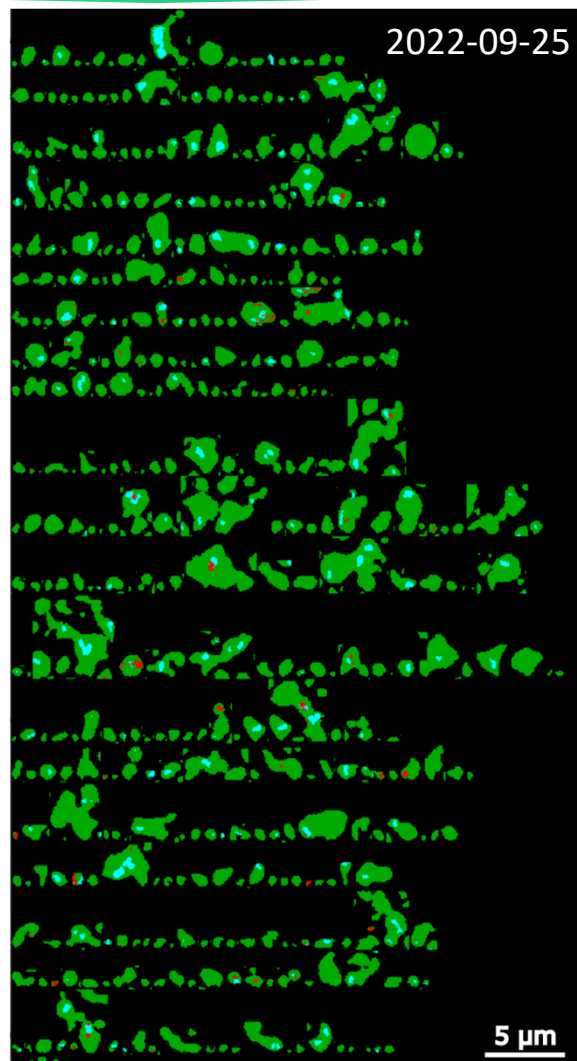
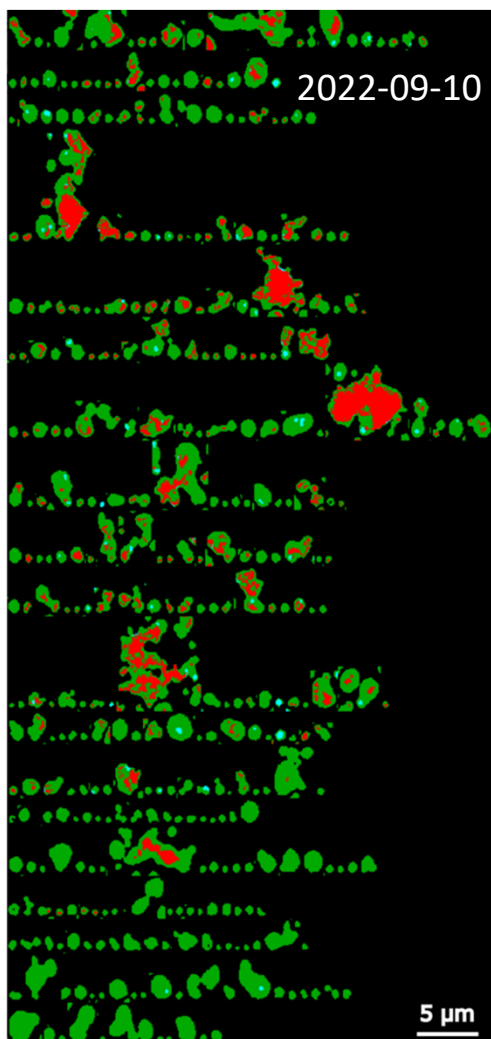
Size-resolved aerosol composition



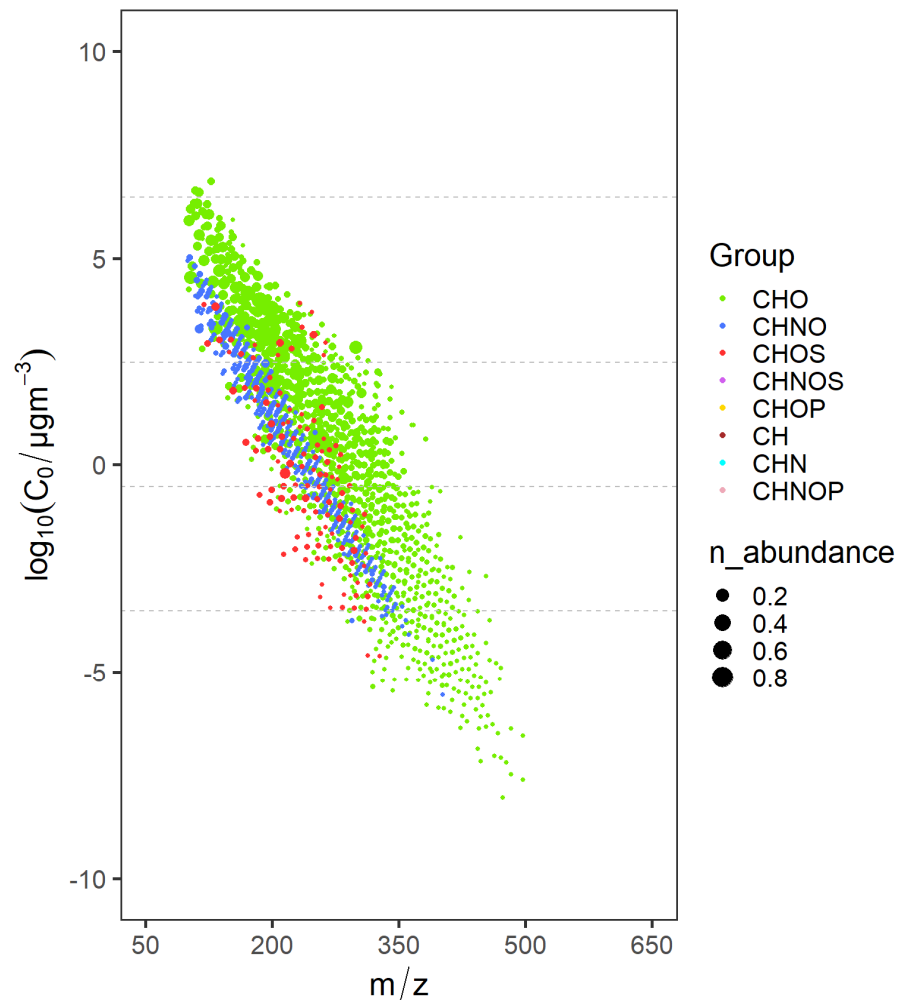
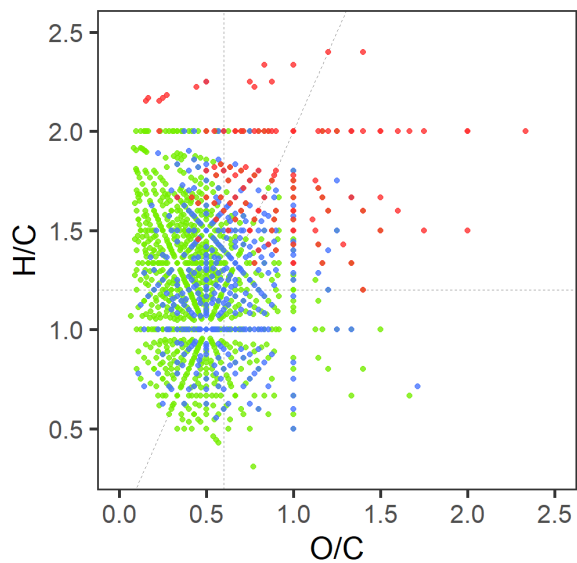
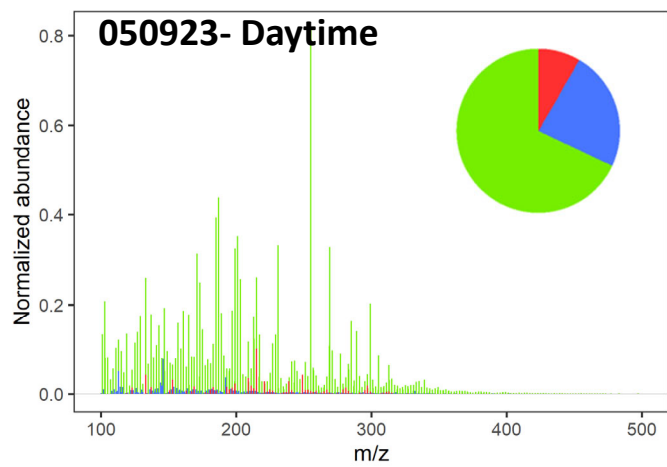
Presence of bioaerosols



Chemical imaging and mixing state



Molecular Composition by nano-DESI HRMS



Molecular Composition by nano-DESI HRMS

