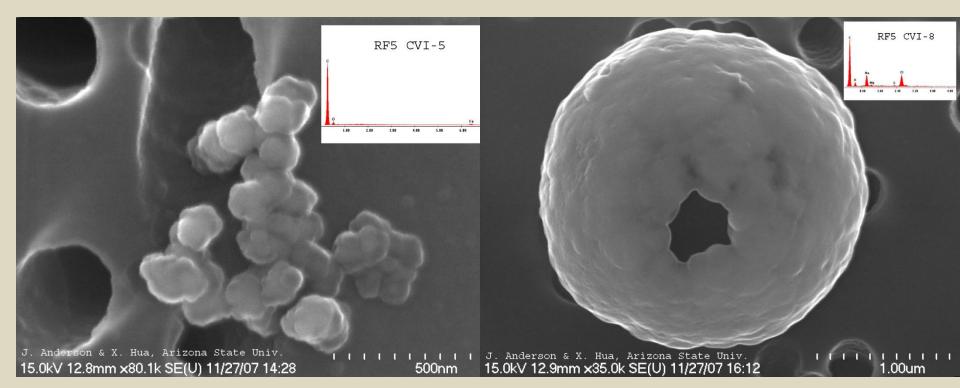
Jim Anderson, Arizona State University

Instruments for ICE-T on C-130 and postfield campaign measurements





ARIZONA STATE UNIVERSITY

Behind CVI –

"Streaker" sampler – 2x8 mm samples on polycarbonate membrane filter for SEM analysis of size, morphology and composition of cloud particle residues. Quantitative number concentrations and size distribution down to 100 nm dry diameter of inorganic particles.

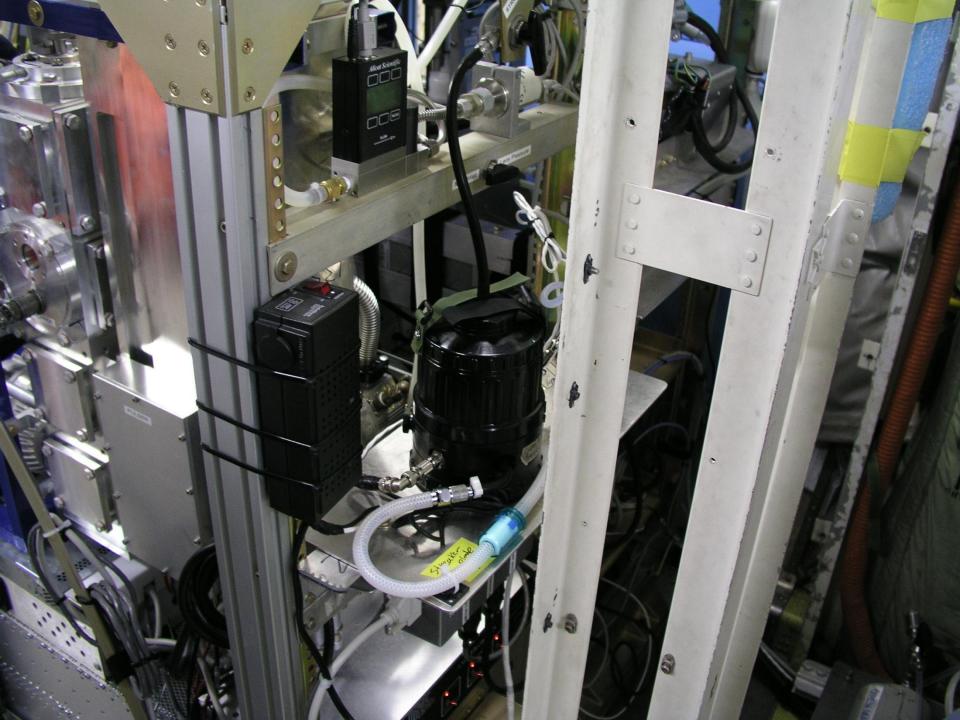
3-stage micro-impactor samples on 3 mm TEM grids with carbon support films for TEM analysis of composition and structure of cloud particle residues.

On ambient inlet(s) –

"Streaker" sampler – 2x8 mm samples on polycarbonate membrane filter for SEM analysis of size, morphology and composition of ambient particles. Quantitative number concentrations and size distribution down to 100 nm dry diameter of inorganic particles.

3-stage micro-impactor samples on 3 mm TEM grids with carbon support films for TEM analysis of composition and structure of ambient particles.

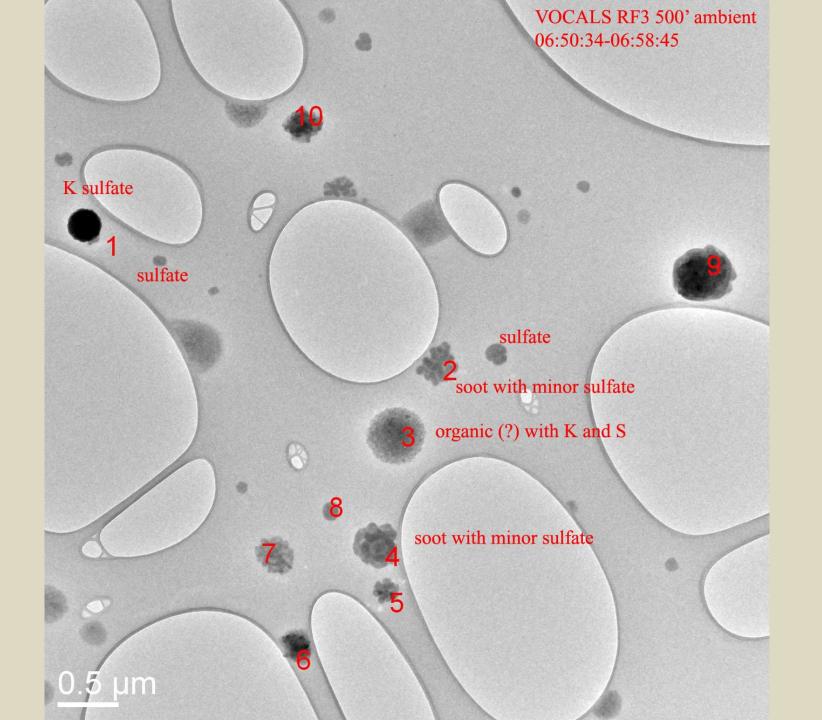


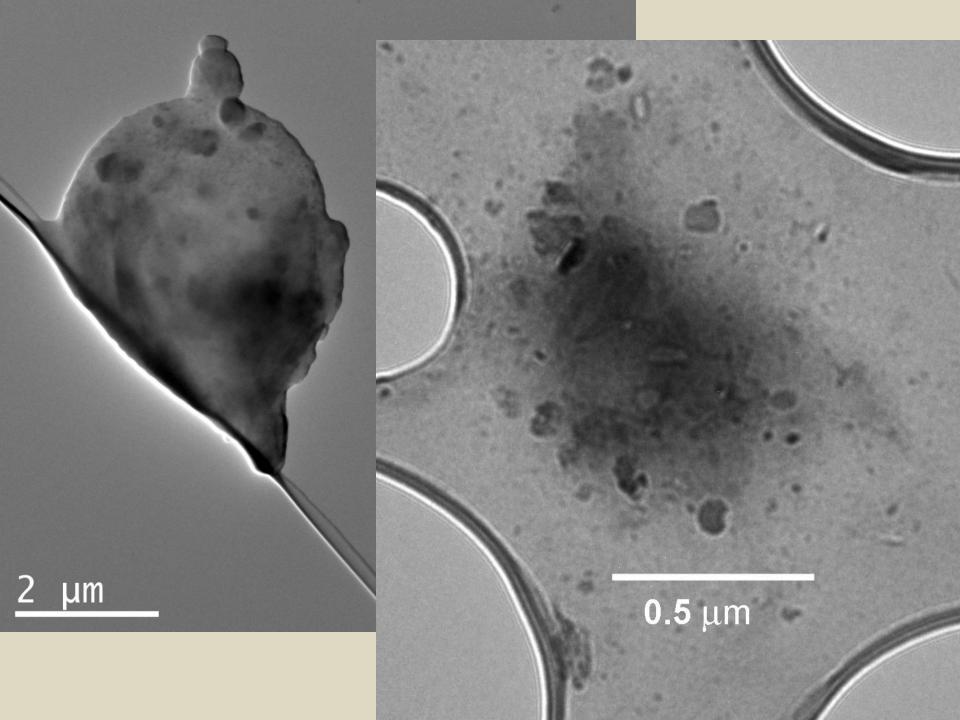


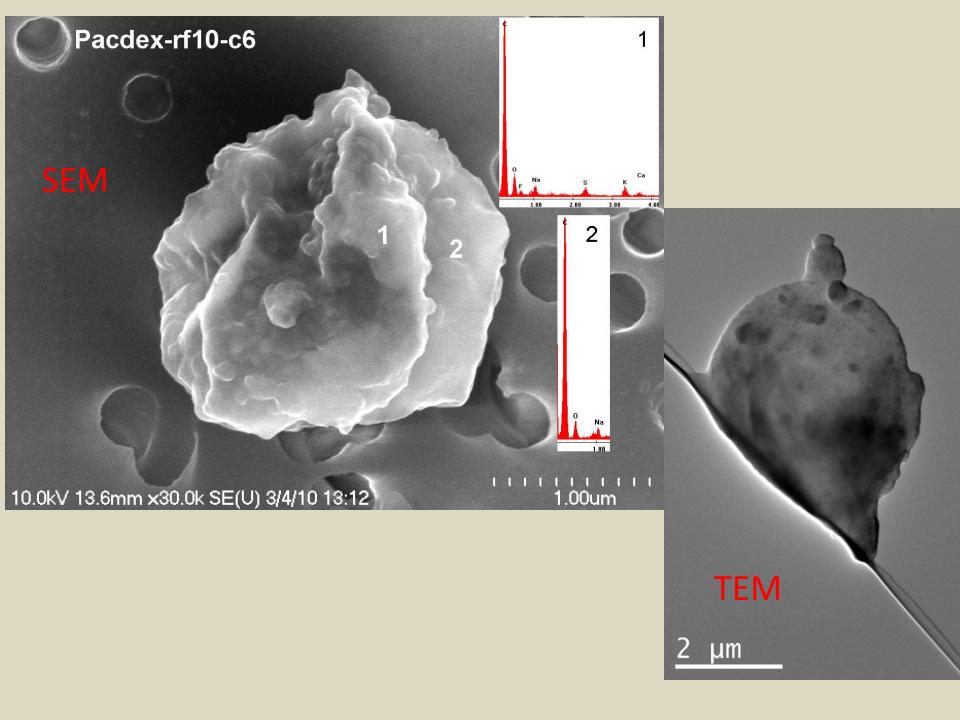
Still to discuss with Paul and Jorgen -

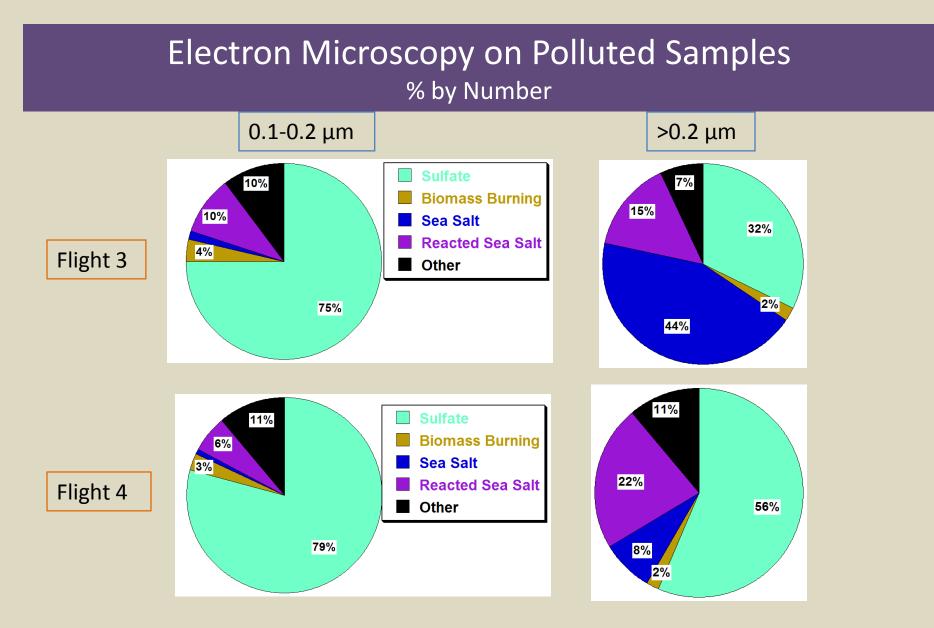
CFDC grids for TEM analysis

Giant nuclei impactor samples for SEM analysis









Small particles dominated by sulfate; larger ones by sulfate and sea-salt