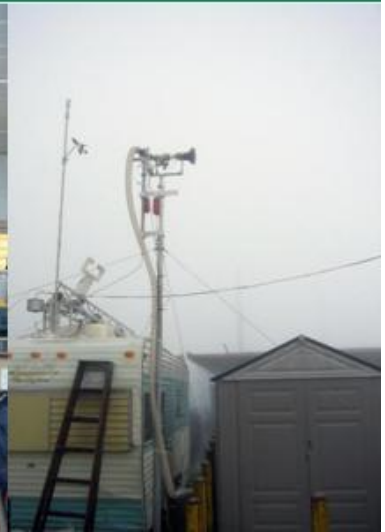
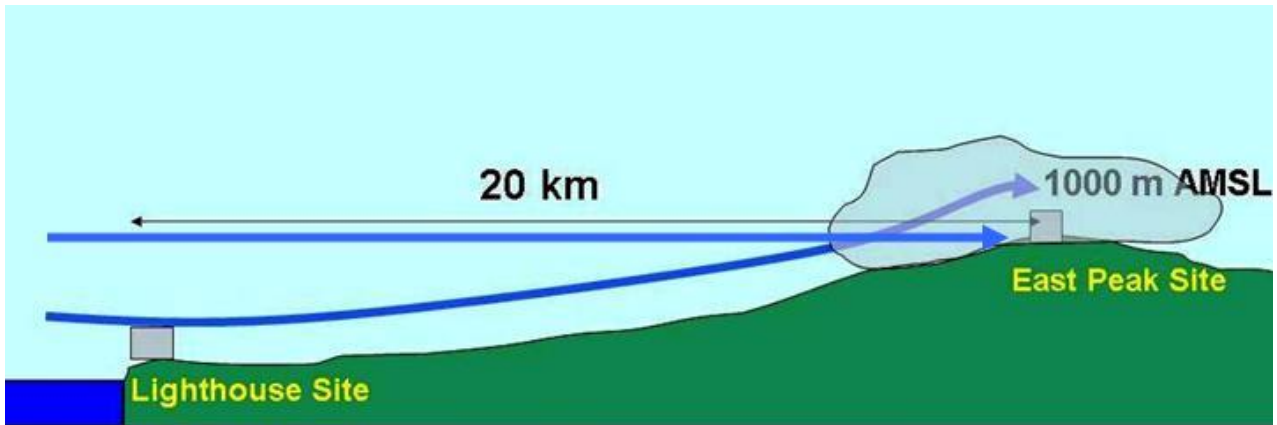
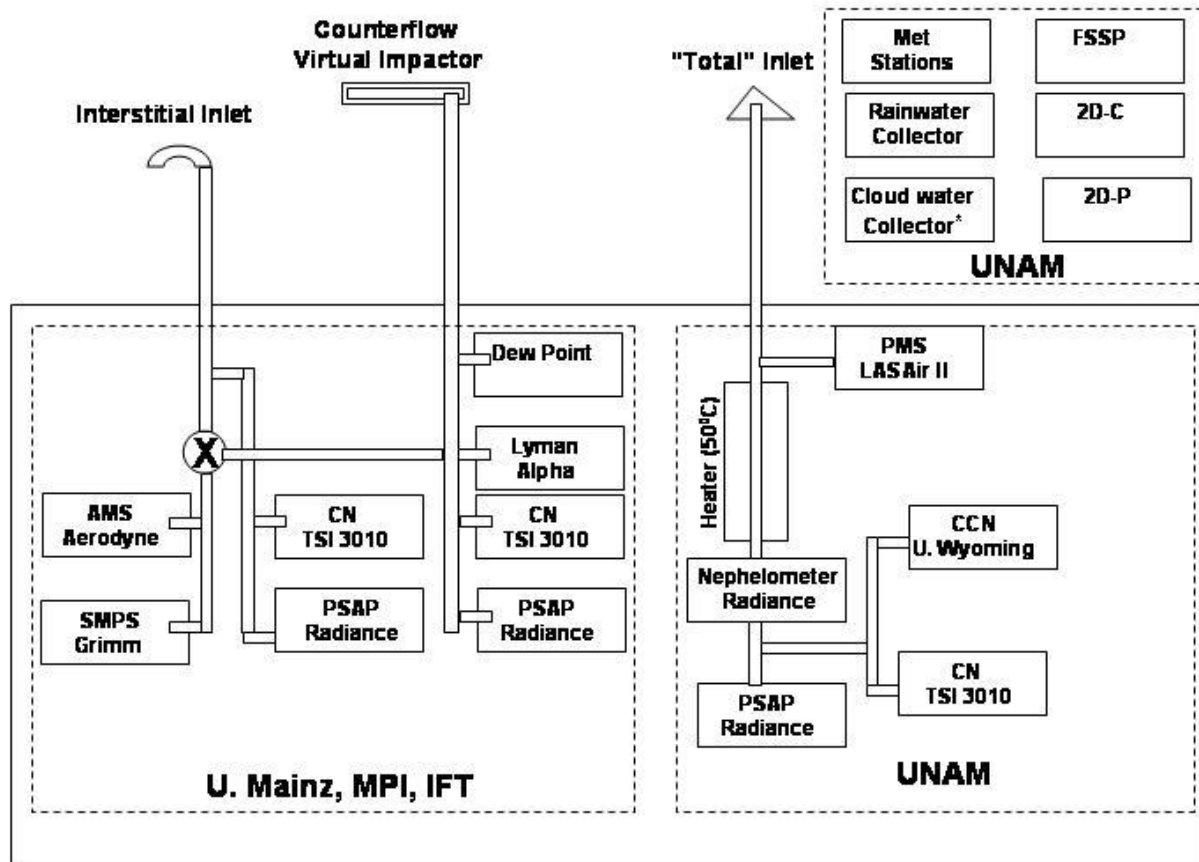


Aerosol Particle Processing and Removal by Clouds and Precipitation in Puerto Rico: Preliminary Results from East Peak

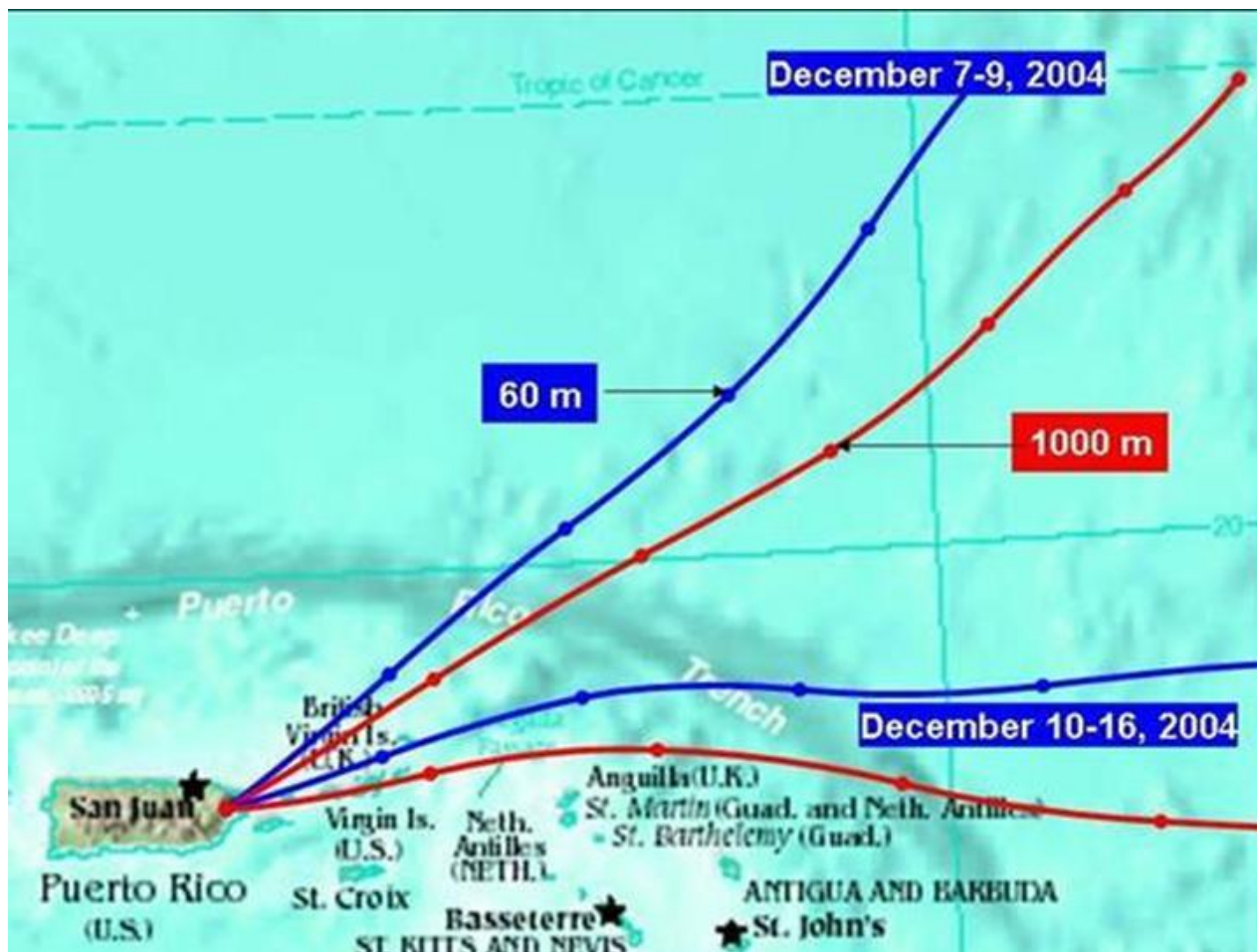


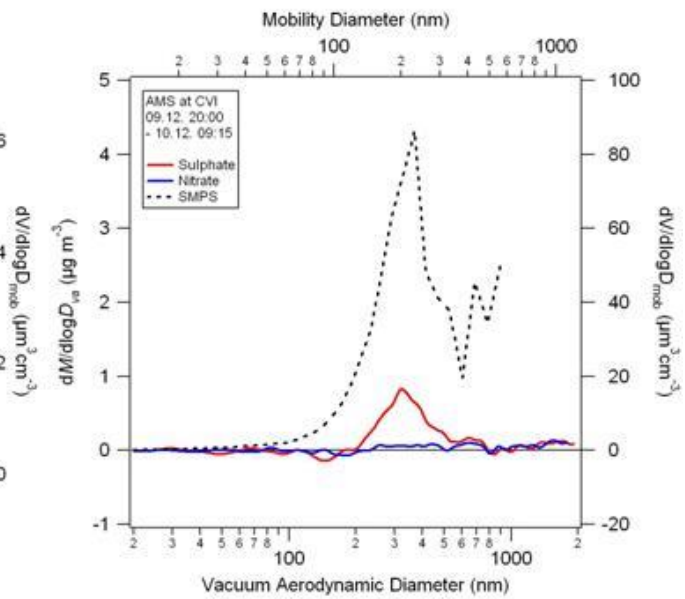
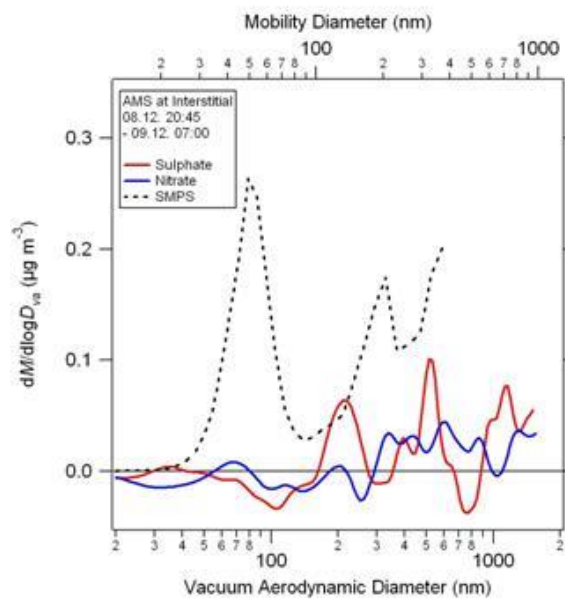
***G. Raga, D. Baumgardner, F. García-García, G. Montero-Martínez – UNAM
S. Borrmann, J. Schneider, S. Mertes, S. Walter – U. Mainz, MPI
O. L. Mayol-Bracero, L. Soto, R. Morales, - UPR
U. Dusek, G. Frank – MPI - Biogeo
J. Allen, M. Gysel, - U. Manchester
M. Kraemer – Research Center Juelich***



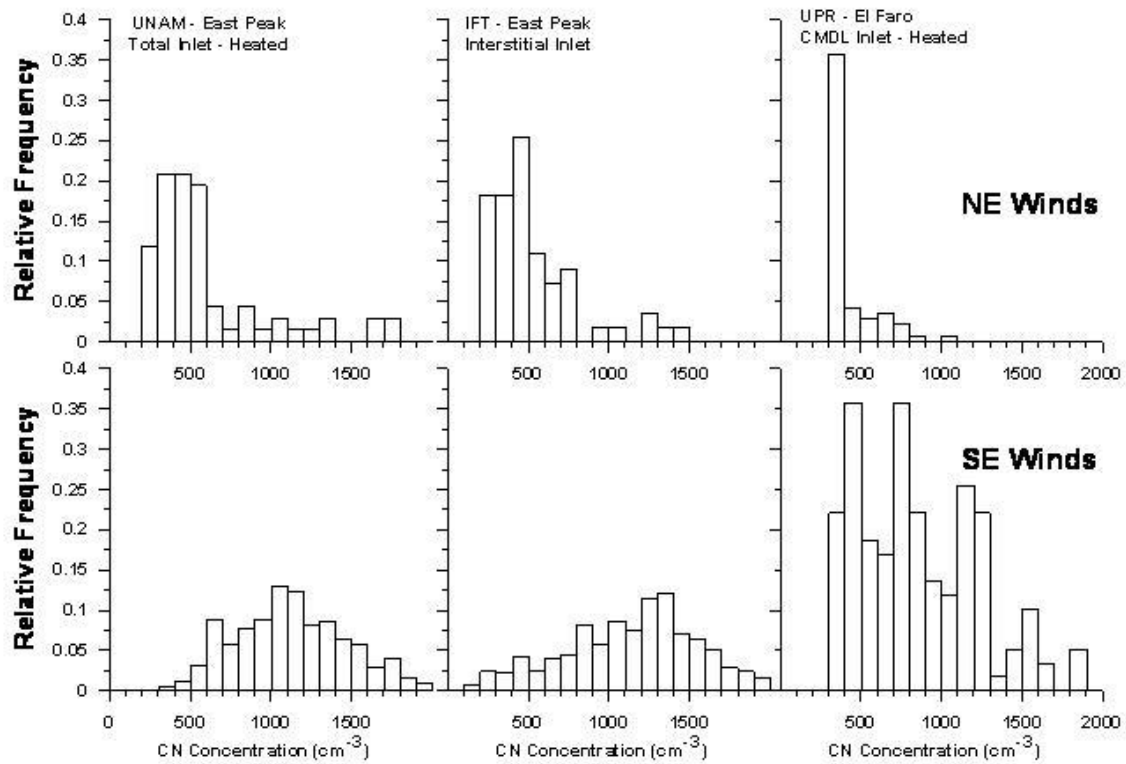


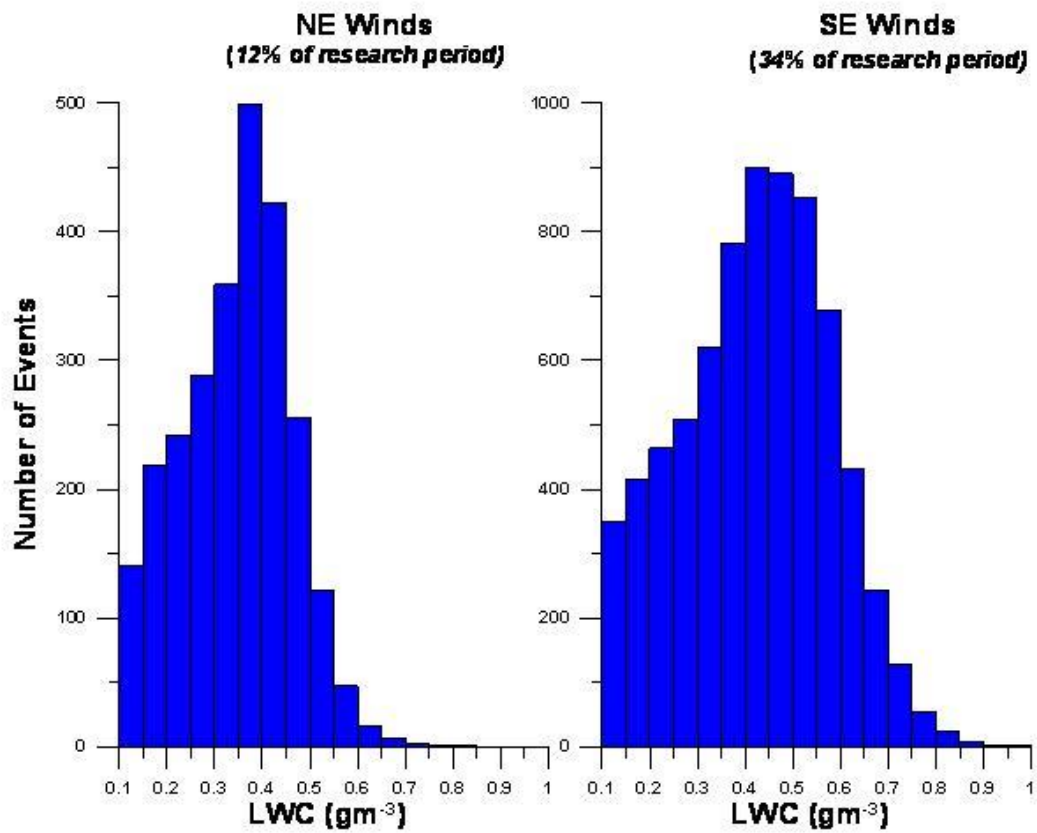
* To be analyzed by UPR



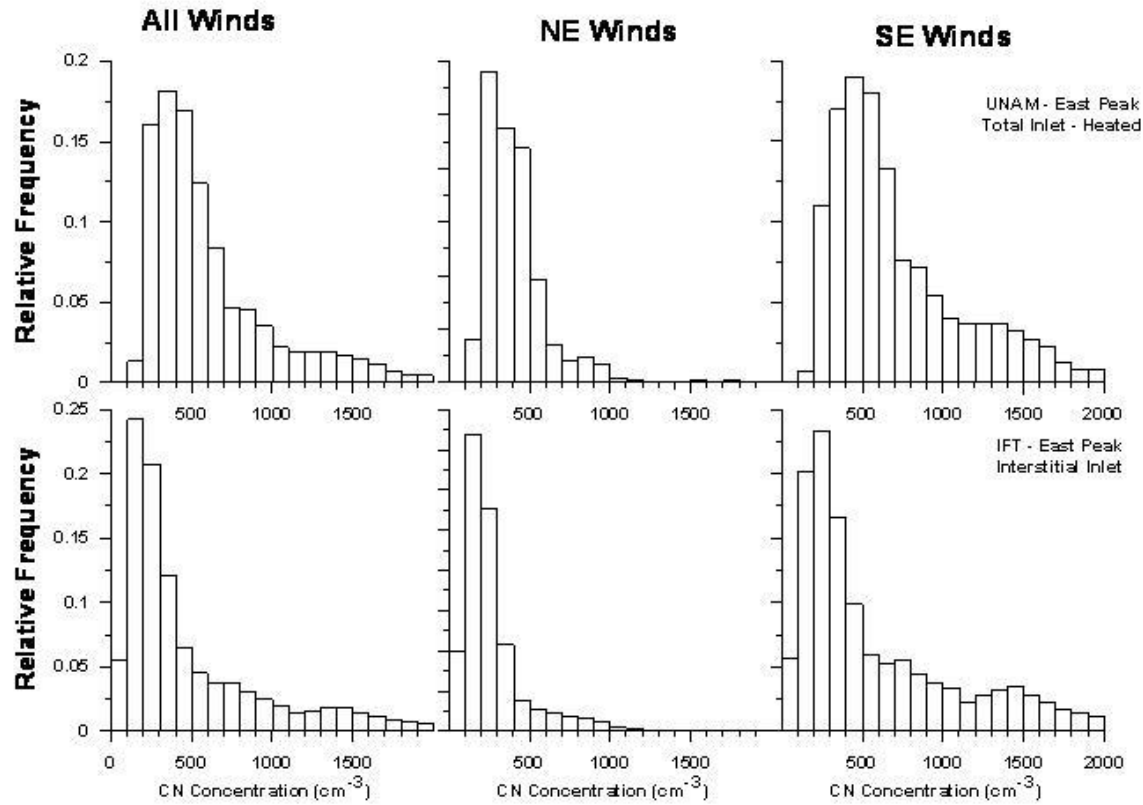


No Cloud (PVM < .05 gm⁻³)

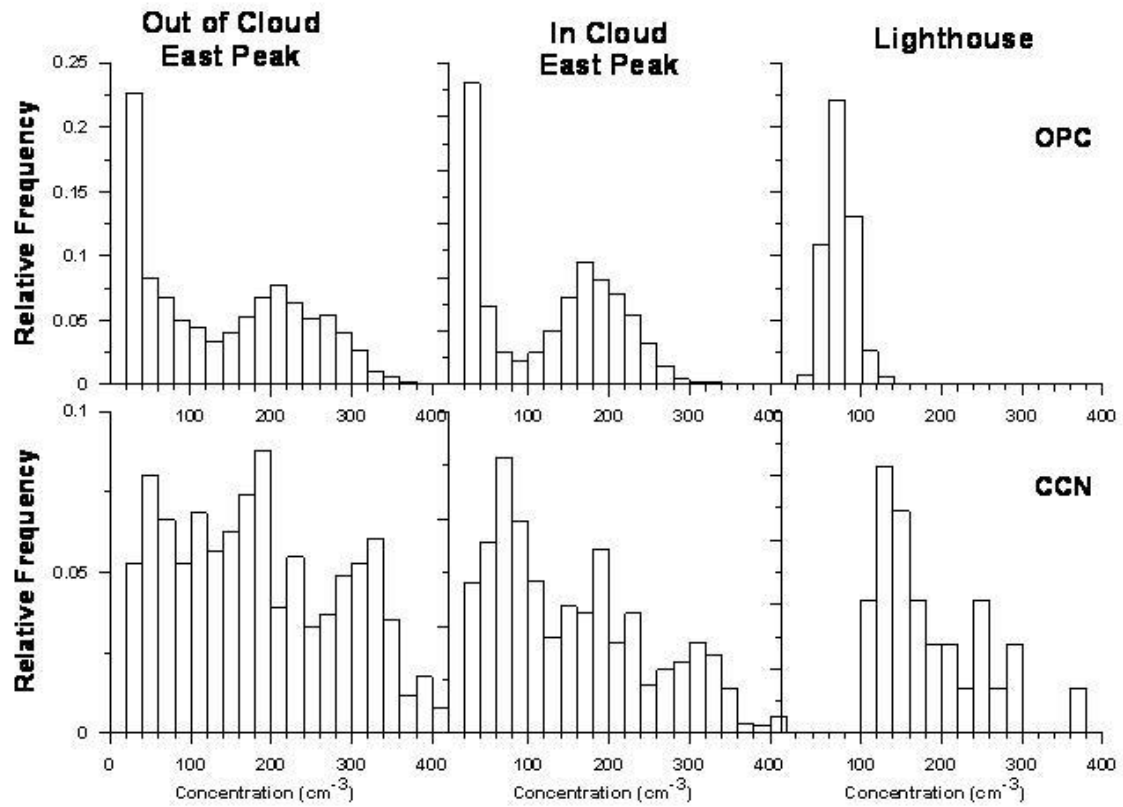




In Cloud (PVM $\geq .1 \text{ gm}^{-3}$)



CCN - PSD Comparisons



Data Products (December 6-18, 2004)

One minute time averages of 50 parameters (more to be added)
Text files can be converted to NETCDF

Aerosol Particle Size Distributions
one minute average, 6 size categories, 0.05-25 μm

Aerosol Particle Size Distributions
ten minute averages, 0.007-25 μm

Aerosol Particle Chemically Differentiated Size Distributions
Selected periods

Cloud/Precipitation Droplet size distributions
Selected periods

Cloud and rain water Chemistry
Inorganic ions, total carbon, organic carbon, elemental carbon