Ionization Efficiency
Calibration of the AMS without a DMA

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3rd AMS Users Meeting

Unsized NH4NO3 Particles
Calibration Using Unsized Particles

343 nm NH4NO3 Particles
Calibration Using Sized Particles - Same IE!

NH4NO3 Calibration w/o DMA

1) PSL velocity calibration!!!
2) Choose calibration window, small enough so that the size distribution is flat, based on chopper cycle
3) Watch out for overflowing SP buffer; increase thresholds for 30 and 46
4) Average 300 particles in the 2nd window or when all the masses sampled all the particles
5) This won't work with Data Acquisition Programs older than about 3.8.5 (check with Manjula)