SUPPLEMENTAL INFORMATION

for the paper

Organic particle types by single-particle measurements using a time-of-flight aerosol mass spectrometer coupled with a light scattering module

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Comparison of number concentration measured by LS-ToF-AMS and DMA

Average particle detection rate (particles detected per second) for each saved LS mode file (run number) was scaled by overall chopper duty cycle (for the same file) to calculate total particle number concentration. Time series of LS-ToF-AMS and DMA number concentrations were averaged to 30-min intervals for comparison. Total number concentration for 400- to 1000-nm d_{va} (285- to 715-nm d_g) particles compared reasonably well (slope = 1.0 and R = 0.7) (Fig. S1).

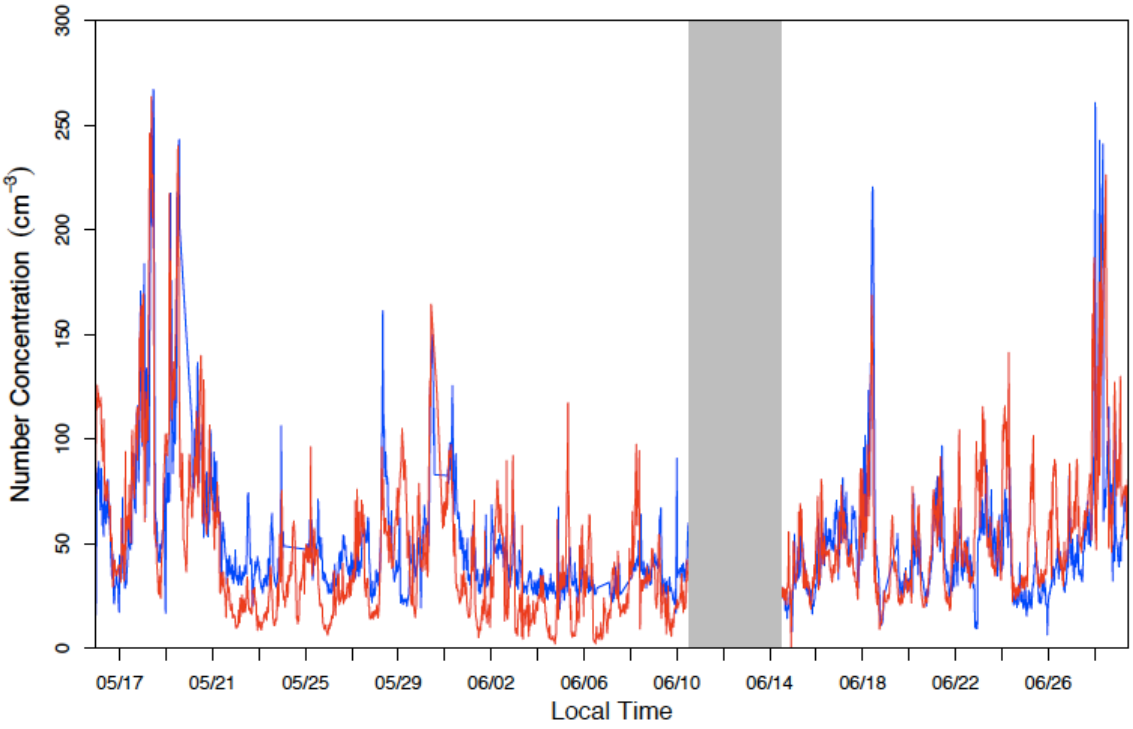

Figure S1. Time series of DMA-measured (red) and LS-ToF-AMS-derived (blue) number concentration for particles in 400- to 1000-nm d_{va} (285- to 715-nm d_g) size range.