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Supplement of

External and internal cloud condensation nuclei (CCN) mixtures: controlled laboratory studies of varying mixing states

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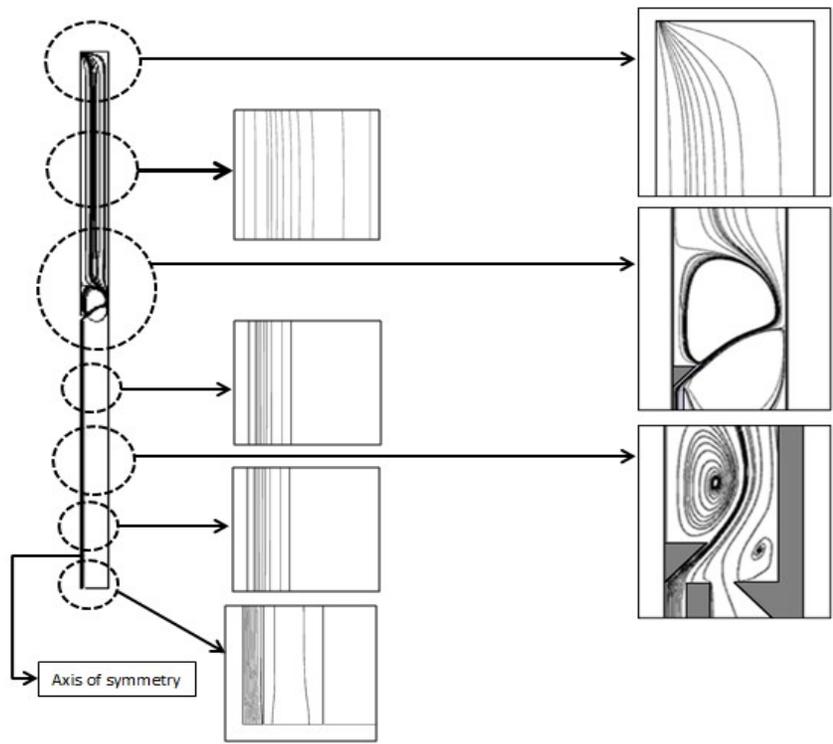


Fig S1

Figure S1. Fluid dynamics simulation results of the flow stream transporting behaviors in the flow tube mixer

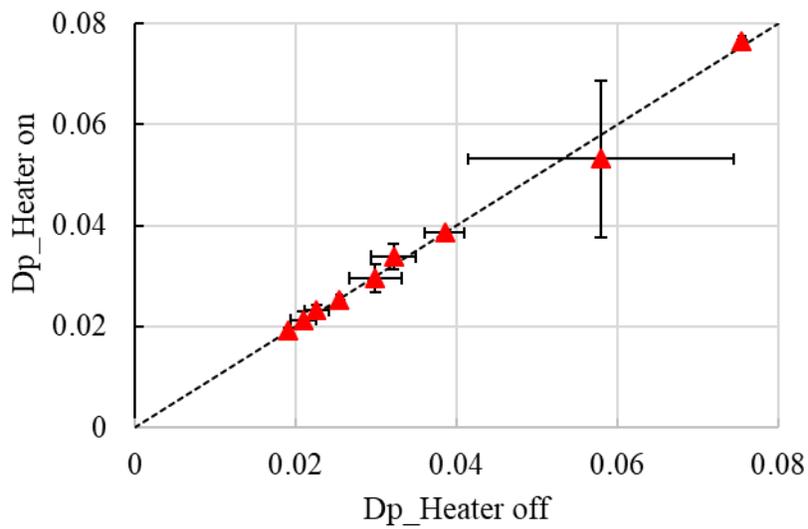


Fig S2

Figure S2. Atomized ammonium sulfate (AS) CCN calibrations. In both cases the aerosol is atomized and passed through a silica gel diffusion dryer. The aerosol passes through a heated column before the drier in Dp_Heater on data and does not in Dp_Heater off. The critical activation mobility diameters (μm) for heated-dried vs. non-heated dried atomized sample streams agree. The two-tailed P-value is 0.87.