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Using depolarization to quantify ice nucleating particle concentrations: a new method

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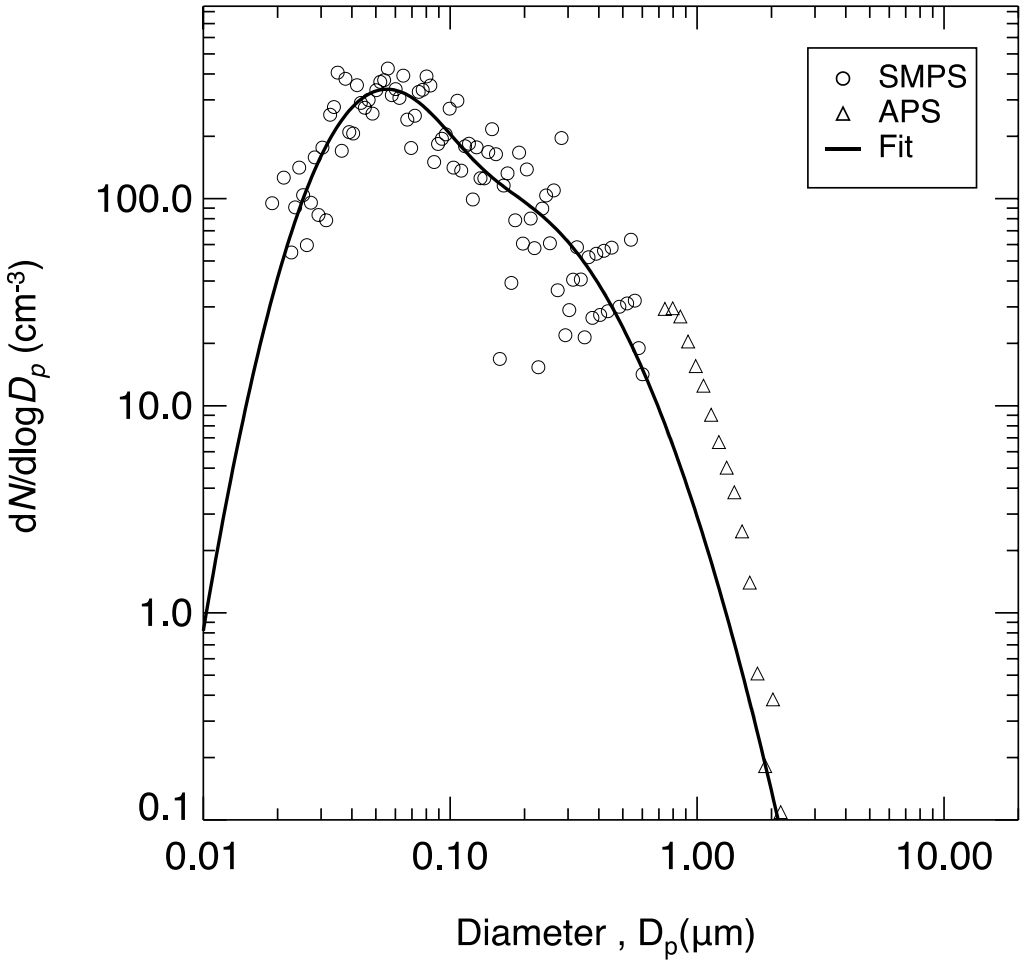

Figure S1. The number lognormal size distribution for Snomax® run on March 27th (case 27 in table) and featured in Fig. 4. SMPS data is reported as ~~cirlces~~circles, APS data is reported as ~~trianlges~~triangles, and a fit is reported as a black line.

Simulation *M*				
Segment No.	Ice crystals	Droplets	Aerosol	≥ δ -Threshold
1	0	$M \times 100$	$M \times 300$	.
2	2	$M \times 100$	$M \times 300$	.
3	5	$M \times 100$	$M \times 300$	.
.	.	$M \times 100$	$M \times 300$	.
.	.	$M \times 100$	$M \times 300$	.
.	.	$M \times 100$	$M \times 300$	.
120	350	$M \times 100$	$M \times 300$	.
Simulation *M*+1				
Segment No.	Ice crystals	Droplets	Aerosol	≥ δ -Threshold
1	0	$(M+1) \times 100$	$(M+1) \times 300$	.
2	2	$(M+1) \times 100$	$(M+1) \times 300$	.
3	5	$(M+1) \times 100$	$(M+1) \times 300$	.
.	.	$(M+1) \times 100$	$(M+1) \times 300$	.
.	.	$(M+1) \times 100$	$(M+1) \times 300$	.
.	.	$(M+1) \times 100$	$(M+1) \times 300$	.
120	350	$(M+1) \times 100$	$(M+1) \times 300$	.

Table S1. This table illustrates how the simulated data sets are constructed as detailed in section 3.7 for *M* and *M*+1.