

Bin #	Size (diameter, Dp)		Dp μm	dDp μm	dlogDp unitless	# of particles in Interval # cm <sup>-3</sup>	Number size distribution			Surface area size distribution		Mass size distribution	
	Interval μm						dNi/dDpi cm <sup>-3</sup> μm <sup>-1</sup>	dN/DlogDp # cm <sup>-3</sup>	Si μm <sup>2</sup> cm <sup>-3</sup>	dS/dlogDp μm <sup>2</sup> cm <sup>-3</sup>	Mi μg m <sup>-3</sup>	dM/dlogDp μg m <sup>-3</sup>	
1	0.010	—	0.020	0.015	0.010	0.301	2.00E+03	2.00E+05	6643.86	1.41	4.69	5.30E-03	1.76E-02
2	0.020	—	0.040	0.030	0.020	0.301	3.00E+03	1.50E+05	9965.78	8.48	28.16	6.36E-02	2.11E-01
3	0.040	—	0.070	0.055	0.030	0.243	1.20E+03	4.00E+04	4937.50	11.40	46.90	1.57E-01	6.45E-01
4	0.070	—	0.100	0.085	0.030	0.155	1.80E+02	6.00E+03	1162.03	4.08	26.36	8.68E-02	5.60E-01
5	0.100	—	0.200	0.150	0.100	0.301	5.00E+02	5.00E+03	1660.96	35.33	117.35	1.32E+00	4.40E+00
6	0.200	—	0.400	0.300	0.200	0.301	1.20E+02	6.00E+02	398.63	33.91	112.65	2.54E+00	8.45E+00
7	0.400	—	0.700	0.550	0.300	0.243	2.00E+01	6.67E+01	82.29	19.00	78.16	2.61E+00	1.07E+01
8	0.700	—	1.000	0.850	0.300	0.155	1.00E+01	3.33E+01	64.56	22.69	146.46	4.82E+00	3.11E+01
9	1.000	—	2.500	1.750	1.500	0.398	2.50E+00	1.67E+00	6.28	24.04	60.41	1.05E+01	2.64E+01
10	2.500	—	7.000	4.750	4.500	0.447	3.00E-01	6.67E-02	0.67	21.25	47.53	2.52E+01	5.64E+01
11	7.000	—	10.000	8.500	3.000	0.155	5.00E-02	1.67E-02	0.32	11.34	73.23	2.41E+01	1.56E+02
12	10.000	—	15.000	12.500	5.000	0.176	1.00E-02	2.00E-03	0.06	4.91	27.86	1.53E+01	8.71E+01
<b>Total</b>							<b>7032.9</b>			<b>197.84</b>		<b>86.8</b>	

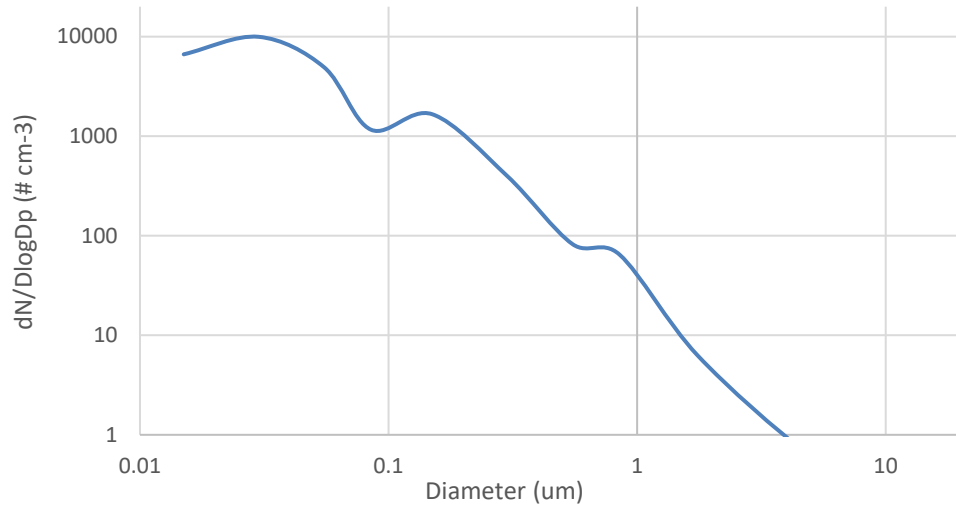
Particle Density	1.500	Number Concentrations (# cm <sup>-3</sup> )		Mass Concentrations (μg m <sup>-3</sup> )	
		CN10	7032.9	PM10	71.5
		CN40	2032.9 ~ CCN0.8	PM2.5	22.1
		CN70	832.9 ~ CCN0.4	PM1.0	11.6
		CN100	652.9 ~ CCN0.2	PM0.1	0.3
		CN400	32.9		
		CN1000	2.9		

**PM##:** Mass concentration of particles with diameter < ## μm

**CN##:** Number concentration of particles (or condensation nuclei) with diameter > ## nm

**CCN##:** Number concentration of cloud condensation nuclei with water supersaturation ratio = ##%

### Number size distribution



### Mass Size Distribution

