

Season		Spring	Summer	Fall	Winter
CCN Number Concentration (cm ⁻³)	0.1 % SS	11.2 ± 13.3 (0.07 ± 0.06)	40.1 ± 34.2 (0.08 ± 0.06)	9.7 ± 6.6 (0.06 ± 0.05)	7.1 ± 8.5 (0.1 ± 0.09)
(CCN / SLCE-removed CN)	0.2 % SS	37.9 ± 36.4 (0.19 ± 0.11)	131 ± 80.2 (0.26 ± 0.12)	48.2 ± 29.3 (0.29 ± 0.11)	18.6 ± 20.5 (0.26 ± 0.14)
	0.5 % SS	72.1 ± 48.5 (0.37 ± 0.20)	276.4 ± 147.9 (0.56 ± 0.24)	104 ± 60.7 (0.63 ± 0.20)	33.3 ± 25.3 (0.49 ± 0.26)
	0.8 % SS	99.7 ± 73.9 (0.5 ± 0.23)	348 ± 203 (0.68 ± 0.25)	124 ± 72.3 (0.75 ± 0.23)	42.9 ± 39.6 (0.57 ± 0.29)
	1 % SS	117 ± 110 (0.55 ± 0.24)	371 ± 234 (0.73 ± 0.26)	132 ± 77.5 (0.8 ± 0.23)	48.5 ± 50.2 (0.6 ± 0.30)
CN (cm ⁻³)	CN SLCE-removed CN	161 ± 94 376 ± 571	400 ± 228 740 ± 693	141 ± 88 241 ± 187	65 ± 77 237 ± 502
Absorption (mM ⁻¹)		0.2 ± 0.47	0.34 ± 0.66	0.16 ± 0.66	0.2 ± 0.50
Measured FTIR OM (µg m ⁻³)		0.06 ± 0.04	0.27 ± 0.16	0.07 ± 0.06	0.04 ± 0.02
PMF of FTIR OM	FFC OM (µg m ⁻³)	0.03 ± 0.01	0.06 ± 0.05	0.03 ± 0.02	0.03 ± 0.02
	M&S OM (µg m ⁻³)	0.018 ± 0.028	0.155 ± 0.121	0.026 ± 0.046	0.001 ± 0.001
	Residual / FFC	0.40 ± 0.72	0.63 ± 0.84	0.36 ± 0.49	0.28 ± 0.52
	Residual / M&S	1.12 ± 0.97	0.33 ± 0.46	1.03 ± 0.63	9.22 ± 7.74