

Factor	Value	Units
Number of super-droplets	1024	–
Time step	0.1	s
Temperature at $t = 0$	285.2	K
Pressure at $t = 0$	950	hPa
Relative humidity at $t = 0$	95	%
Updraught velocity	0.5	m s^{-1}
Median radius	0.4	μm
Geometric standard deviation	2	–
Total aerosol number concentration	566	cm^{-3}
Dry particle density	1.8	g cm^3
Hygroscopicity	0.61	–
Concentration of SO_2 at $t = 0$	0.2	ppbv
Concentration of O_3 at $t = 0$	50	ppbv
Concentration of H_2O_2 at $t = 0$	0.5	ppbv
Concentration of CO_2 at $t = 0$	360	ppmv
Concentration of HNO_3 at $t = 0$	0.1	ppbv
Concentration of NH_3 at $t = 0$	0.1	ppbv