Factor	Value	Units
Number of super-droplets	256	no. per grid cell
Model time step	1	s
Particle-based scheme time step	0.1	s
Dry air potential temperature at $t = 0$	289	K
Water vapour mixing ratio at $t = 0$	7.5	$g\,kg^{-1}$
Pressure at $z = 0$	1015	hPa
Median radius	0.05	μm
Geometric standard deviation	1.8	–
Total aerosol number concentration	50	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 $t = 0$	25	ppbv
Concentration of H_2O_2 at $t = 0$	0.4	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