Number of super− droplets

1 4 16 64 256 1024

Droplet conc. at cloud base [cm^{-3}]

1800 1600 1400 1200 1000 800 600 400 200 0

(a)

Number of super− droplets

1 4 16 64 256 1024

Max. supersat. [%]

0.60 0.55 0.50 0.45 0.40 0.35 0.30 0.25

(b)

Average pH

5.2 5.1 5.0 4.9 4.8 4.7

(c)

$\ln_2$(number of super− droplets)

0 2 4 6 8 10

Total sulfate production [ppt]

180 175 170 165 160 155 150 145 140 135

(d)

$\ln_2$(number of super− droplets)

0 2 4 6 8 10