

Second Review of manuscript ACP-2018-245

The revised manuscript accommodated most of my comments but I find that some more things need to be done for more clarity. Once done, the manuscript can be accepted for publication.

Figure 9b shows only the differences of N_{CN} . So it should be good to show not only the differences of N_{CN} but also the differences of N_{CCN} at several supersaturation values between CEs and MEs (perhaps excluding precipitation days in MEs) in Table 2. Since difference of aerosol concentration between CEs and MEs is depend on aerosol size, adding representative percentile concentration of CCN would be informative.

Figure 10: N_{CCN} at different supersaturations did not seem to show time lag. Can the authors insist that the nucleated particles grew to a size that could act as CCN as time progressed? Concentration of large particles ($SS=0.1\%$) also tended to increase with time.

Figure 11: Add the PSCF results for $N_{CN > 90 \text{ nm}}$ (LAS). I think this can be compared to the result of $N_{CCN,07}$ and $N_{CCN,01}$.