

p. 1, l. 27 and 29: Can these sentences be combined (in order to avoid starting twice with 'For example...')?

p. 2, l. 13: remove first 'this'

p. 3, l. 11: This sentence is not clear

p. 3, l. 22: Add references for SP2 here (e.g. the same ones as in Section 2.4)

p. 4, l. 14/15: This sentence should be moved before the preceding one.

p. 4, l. 34: 'CVI' should be introduced here and not on p. 5, l. 6

p. 7, l. 30: 'Soledad studies' sounds colloquial

p. 8, l. 10/11: Use either singular or plural throughout sentence ('particle' or 'particles')

p. 10, l. 14: blank missing (the residual)

p. 11, l. 10/11: correct fragment starting with 'which...'

p. 11, l. 14 (and following lines): Use ' μ ' for micro not 'u'

p. 12, l. 18: 10th

Section 3.5: I think it might be useful to add some more quantitative information in the main text about the fraction that is expected to be incorporated by coagulation. A simple sentence stating that it is on the order of < 1% might be sufficient.

Section 3.6: Please check all references to the individual figure panels in this section, e.g.

p. 16, l. 12: really c, d?

p. 16, l. 16: c, and g? I assume it should be either b and g or c and h?

p. 16, l. 21: should it be 'c, d and h, i' or only c and h?

p. 17, l. 13: Fig 6c and h?

p. 16, l. 29: then → than

p. 17, l. 1/2: This sentence is redundant as it is exactly repeated from Section 2.5.

p. 17, l. 31: Refer to specific Section in Supplementary Material

p. 18, l. 9: Could you add a reference for low H₂O₂ concentrations during night time at this (or similar) location?

p. 19, l. 28: Replace 'and' by 'which' (otherwise it sounds as if the model can be calculated)

p. 20, l. 16: Which kappa value for ammonium chloride is used then here?

p. 20, l. 20-22: This sentence sounds awkward: 'The values determined during this study are [...] lower than the values suggested for Cloud 3.'

p. 21, l. 6: I suggest adding 'approximately' before 'consistent' as the estimated limit is a factor of two higher than the calculated one.

p. 21, l. 19: included

p. 22, l. 4 and 6: Figure 8c

p. 23, l. 13: 'for' missing

Figure 4, Caption: Cf. Reviewer #1's Comment 4: A function is fit to data, not vice versa.

Figure 6, Caption: Shown in panels A and F ... ?

Figure 8, Caption, l. 5: (Fig. 7)

Supplemental Material

Section S3: - Is μ here the same as η_{air} in Eq. S-6? If so, use the same symbol.

- Text after Table S1:

1st sentence: - Remove 'In terms of residence time'

- stratocumulus

- persist

4th sentence: replace 'calculated' by 'show' (The figure doesn't show the calculation, just the results)

Last word: slower → lower