

Atmos. Chem. Phys. Discuss., referee comment RC1  
<https://doi.org/10.5194/acp-2021-582-RC1>, 2021  
© Author(s) 2021. This work is distributed under  
the Creative Commons Attribution 4.0 License.

## Comment on acp-2021-582

Andrew Heymsfield (Referee)

---

Referee comment on "Reduced ice number concentrations in contrails from low-aromatic biofuel blends" by Tiziana Bräuer et al., Atmos. Chem. Phys. Discuss.,  
<https://doi.org/10.5194/acp-2021-582-RC1>, 2021

---

A few preliminary comments on this very well done article

- Lines 91, 92: I suggest adding an equation for calculating the extinction coefficient
- 

101 relative humidity with respect to ice

- 

Fig. 3 Could you do a plot of the temperature and relative humidity distribution with altitude?

- I think it's essential to show particle size distributions-I have some questions about how you extrapolated the FFSSP data to sizes below 1 micron.