

Second review of the manuscript:

## Observations of cloud microphysics and ice formation during COPE

by Taylor et al.

I have read the new manuscript as well as the author's comments to the two reviews of the first version. I like to say again that to my opinion the paper provides a very good insight in mixed phase cloud development based on observations with state of the art instrumentation. The author's deep knowledge in instrumentation issues as well as ice microphysics is visible in the paper.

The authors have carefully addressed all points raised by both referees #1 and #2, which has further improved the manuscript. Especially, the new Section 4 contains now all discussions about secondary ice formation processes - which were somehow spreaded across the manuscript in its first version - in a straightforward and clear way. Thus, I recommend the manuscript now for publication without any further changes.