

## **Responses to Reviewers' final comments.**

Comments from Reviewer 1:

The Authors have sufficiently addressed my previous concerns and I feel that the Manuscript has been improved and I recommend publication of this work. Regarding the description of the two numerical frameworks, the Authors can create a Appendix/Supplemental Information section with all the details without the need to change the structure and readability of the main text.

Comments from Rev 2:

Since cloud droplets are rarely mono-dispersed in atmospheric clouds, adding the appendix proposed by the authors could improve and complete the key point of this manuscript. I would suggest the authors to write down the equation for  $C_d$  such that readers from other communities can also understand it without looking into previous studies. I would recommend the publication of this manuscript after the authors consider these two points.

In response to the above comments and suggestion by the Editor, we included two appendices into the final manuscript. One was attached to our responses and included discussion of results with well-resolved initial conditions. The second appendix includes microphysics schemes equations, including the condensation rate formulation.