

To examine the impact of rime splintering in the CTL experiment, we conducted CTL_no_HM experiment that is similar to CTL but without HM process. As also shown in Fig. S1, the CTL_no_HM experiment has a similar result compared with the CTL experiment (Fig. 10b) indicating relatively small influence from the HM process.

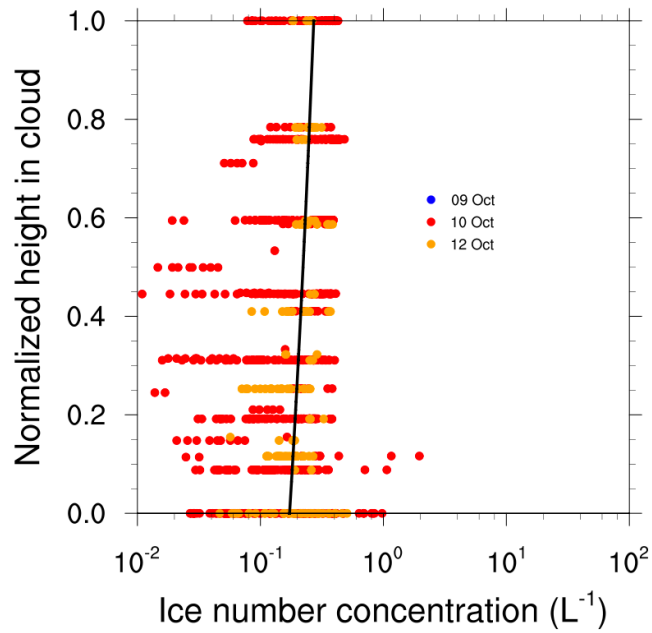


Figure S1. Ice crystal number concentration as a function of normalized cloud height from cloud base. Black solid lines show the linear regression line between ice number concentration and height from CTL_no_HM experiment.