Fig. S1: As in Fig. 4, but for the early stage of the simulation, between 21:00 UTC and 21:45 UTC.
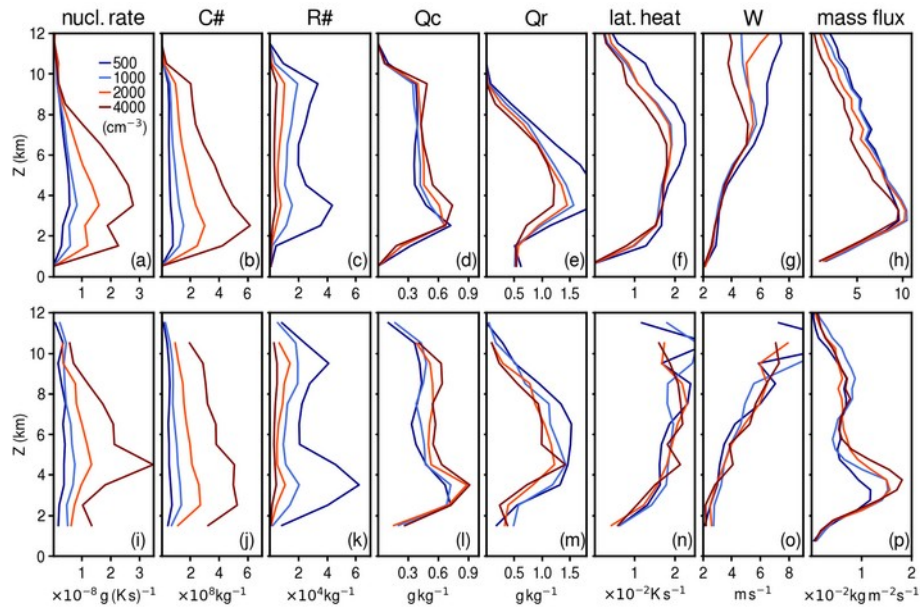

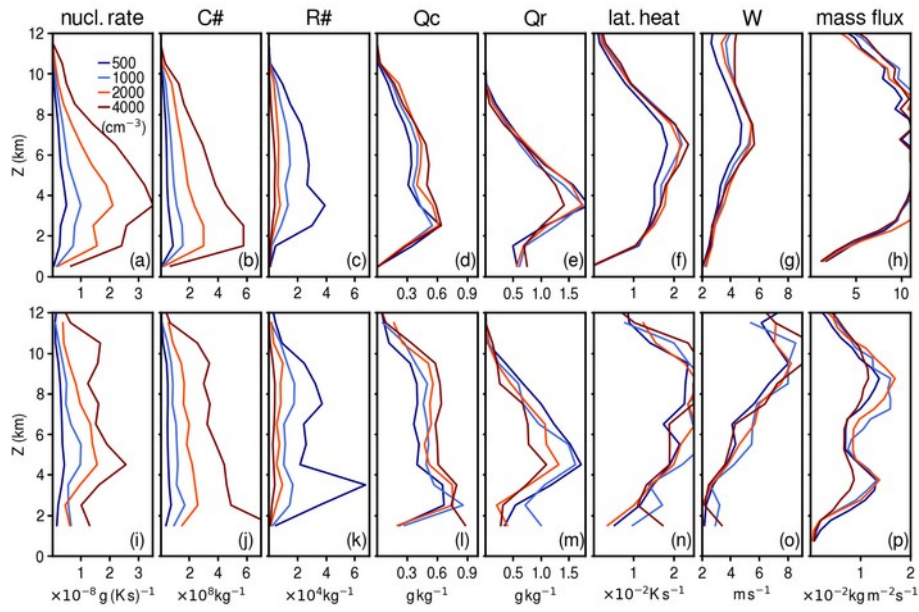Fig. S2: As in Fig. 4, but for the middle stage of the simulation, between 22:00 UTC and 22:45 UTC.

Fig. S3: As in Fig. 4, but for the later stage of the simulation, between 23:00 UTC and 23:45 UTC.
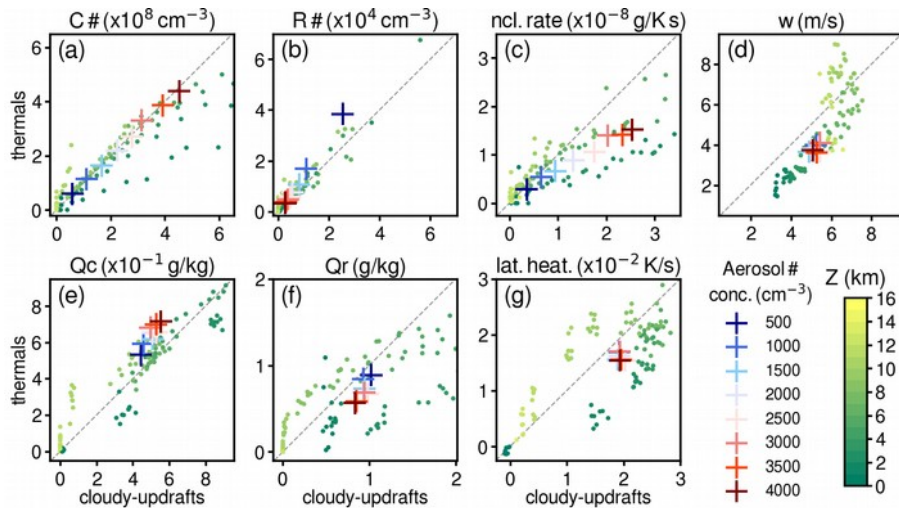

Fig. S4: As in Fig. 7, but using w>2 m/s for the cloudy updraft grid point definition.
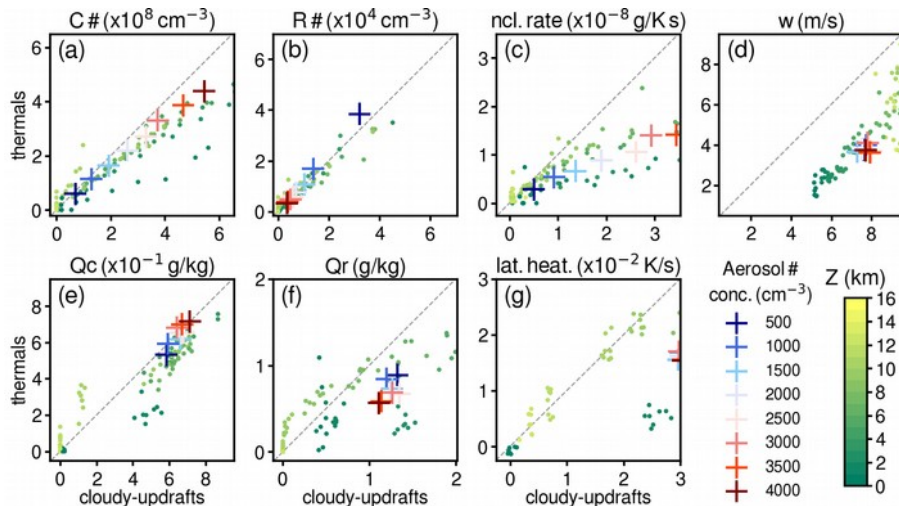

Fig. S5: As in Fig. 7, but using w>4 m/s for the cloudy updraft grid point definition.