Fig. S1: Similar to Figure 2 in the manuscript (please see for details), we added here two ice0 simulations: “L40” refers to domain size of (~40km)$^2$, “no rain” refers to switched off autoconversion.
Fig. S2: Heating rate profiles at 4.5 h.
Fig. S3: Isolines of 50 % (left) and 75 % (right) cloud cover. From MYD06 data we determine cloud cover over regions of (0.5°)², comparable to the extent of our large domain simulation seen in Fig. 4a. A (1 km)² pixel is categorized as cloudy if the cloud optical depth is greater than or equal 2.5.