Supporting Information for "The Unreasonable Efficiency of Total Rain Evaporation Removal in Triggering Convective Self-Aggregation"

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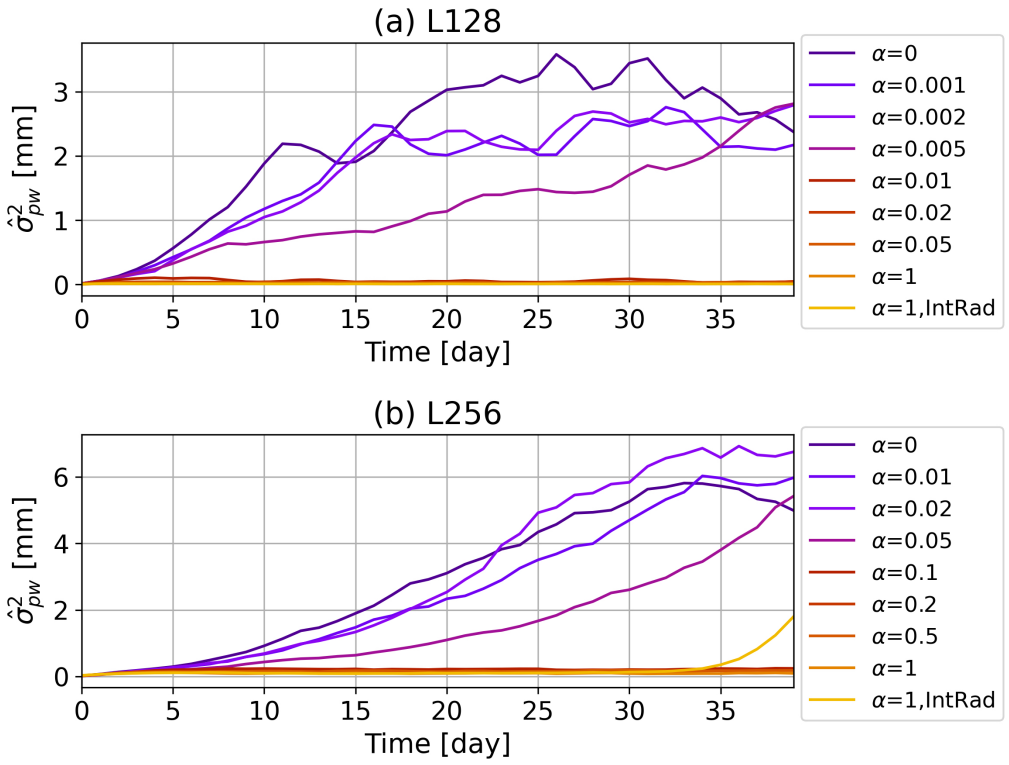

Figure S1. Time evolution of the aggregation index $\hat{\sigma}^2_{PW}$ (variance of PW normalized by domain mean PW) for (a) L128 and (b) L256.

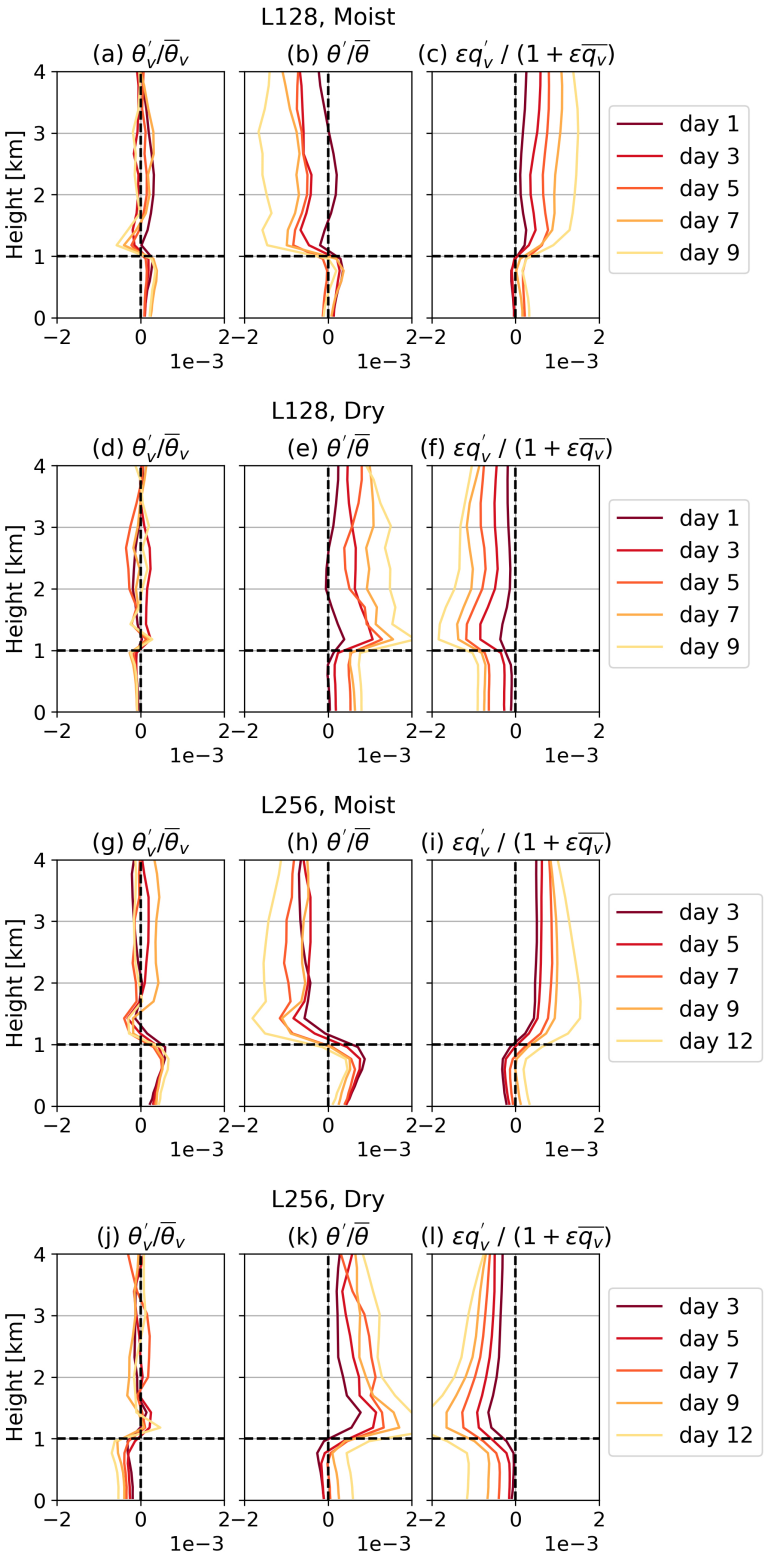

Figure S2. θ_v', θ' and q_v' profiles for $\alpha = 0$ for (a–f) L128 and (g–l) L256, of the moist and dry patches on five separate days.

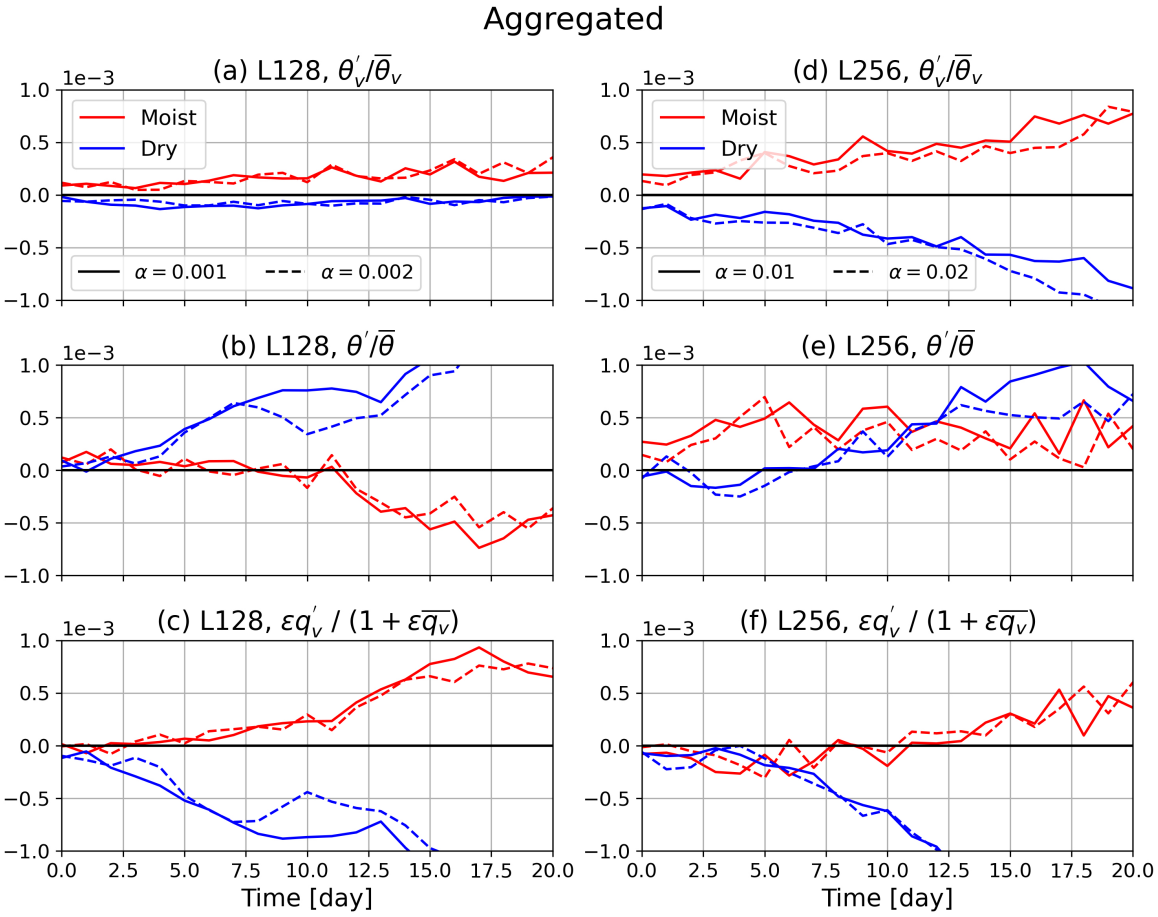

Figure S3. Time evolution of θ_v' (top row) and the contributions of θ' (middle row) and q_v' (bottom row) of the aggregated cases for (a–c) L128 and (d–f) L256. The x- and y-axis ranges were chosen for an adequate illustration of the observations described in the main text (Section 3.3).

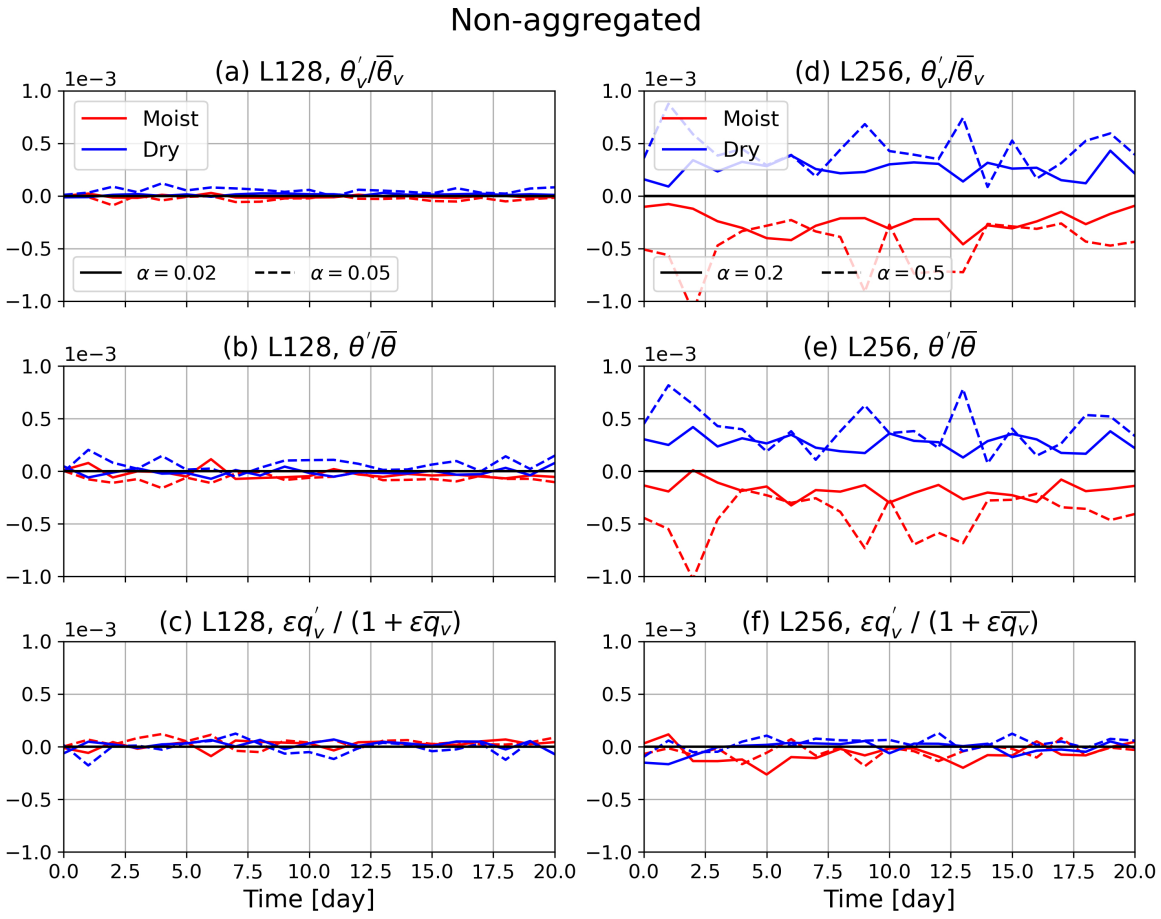

Figure S4. Same as Figure S3 but for the non-aggregated cases.