Event statistics (N = 94)(a) (b) (c) Mean hourly precipitation rate Max. hourly precipitation rate **Event duration** 50 50 35 Number of events [1] 40 Number of events [1] 40 Number of events [1] 30 25 30 30 -20 20 20 15 10 10 5 0 50 150 200 250 0 100 20 0 10 Mean precipitation rate $[mm h^{-1}]$ Event duration [h] Max. precipitation rate $[mm h^{-1}]$ (d) (e) (f) Local time of event maximum Event precipitation type Event occurrence month 12 30 45 40 10 Number of events [1] Number of events [1] 35 events 8 30 25 15 Number of 20 15 10 10 0 15 APR MAY JUN JUL AUG SEP OCT stratiform 0 10 20 convective mixed Local time Precipitation type Month