Supplemental Material

Journal of the Atmospheric Sciences
The Energetics of the Lagrangian Evolution of Tropical Convective Systems
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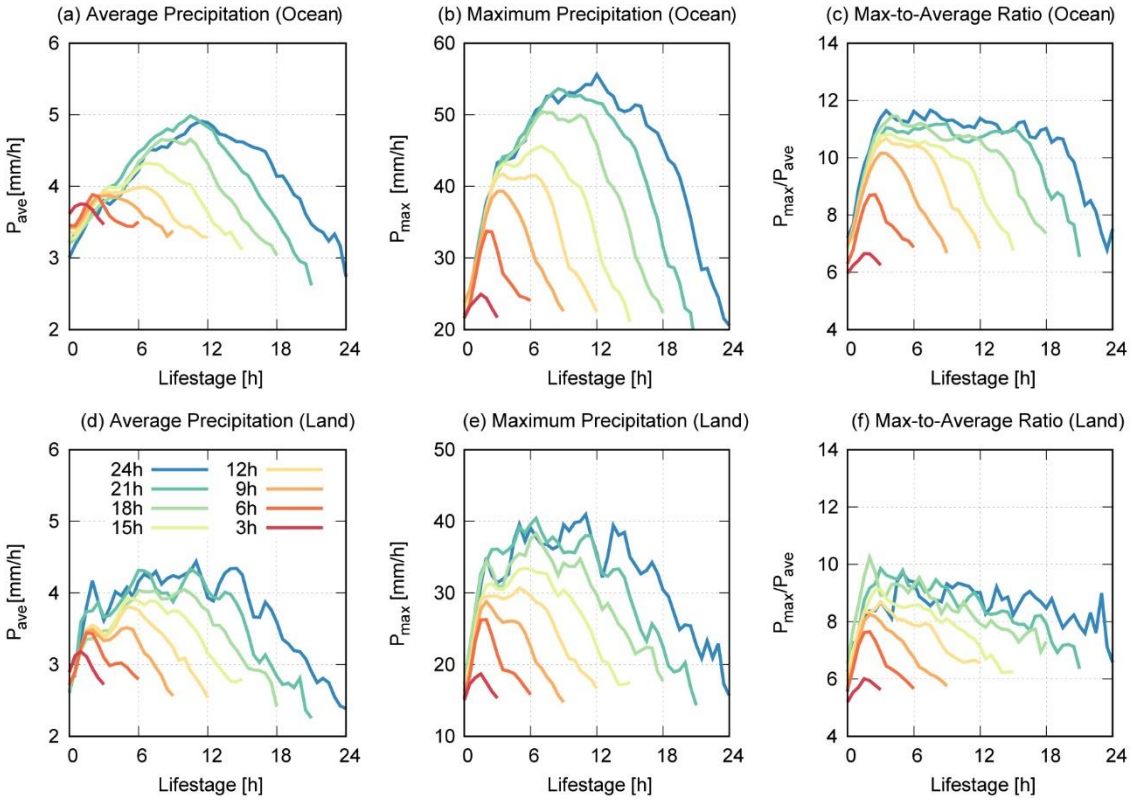

Figure S1: As Figure 2 in the main text but for over ocean (a-c) and for over land (d-f). The PSs that travel from ocean to land or vice versa during the lifecycle are excluded.

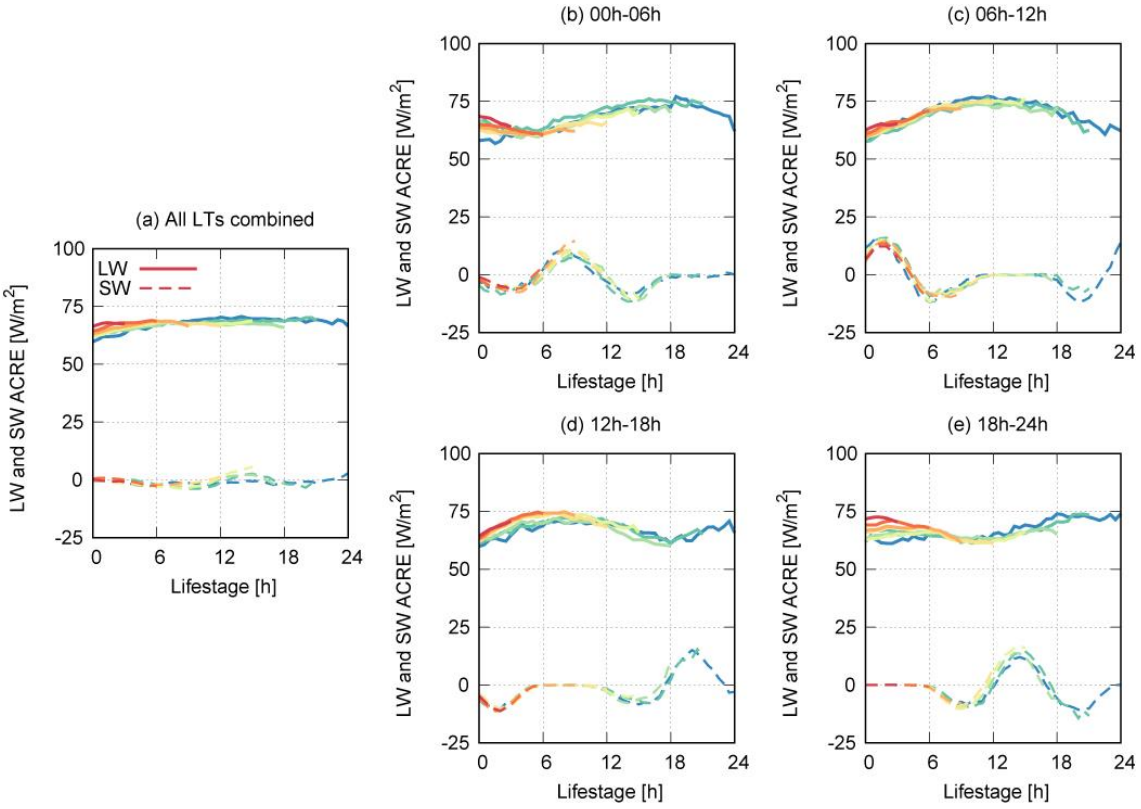

Figure S2: Composite shortwave (SW) and longwave (LW) atmospheric cloud radiative effect (ACRE) as a function of lifestage. (a) All local times combined. (b-e) For the PSs initiated within a selected local-time window of (b) 0-6 h, (c) 6-12 h, (d) 12-18 h, and (e)18-24 h.

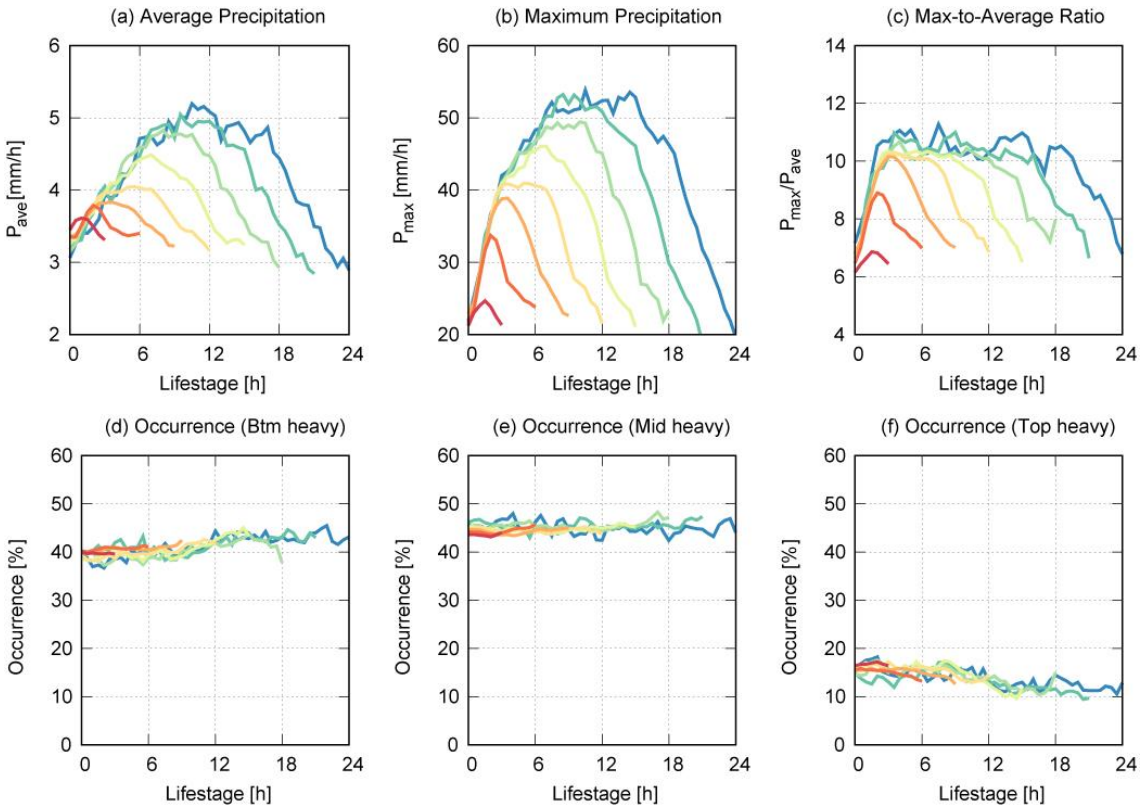

Figure S3: As Figure2 (a-c) and Figure 9 (d-f) but computed from the single-PS composite constituted exclusive of the lifestages at which only a single PS exists.