

Longwave Radiative Feedback Due to Stratiform and Anvil Clouds

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Introduction

The supporting figures included are to primarily show that Maria produces the same qualitative results as Haiyan shown within the main paper. We also include analysis for a 24-hour period (12-36 hours) at the beginning of the Haiyan simulation to demonstrate that our results are generalizable beyond the post-TC-genesis. Finally, we present histograms of the Rogers (2010) classification to support our development of the new classification scheme.

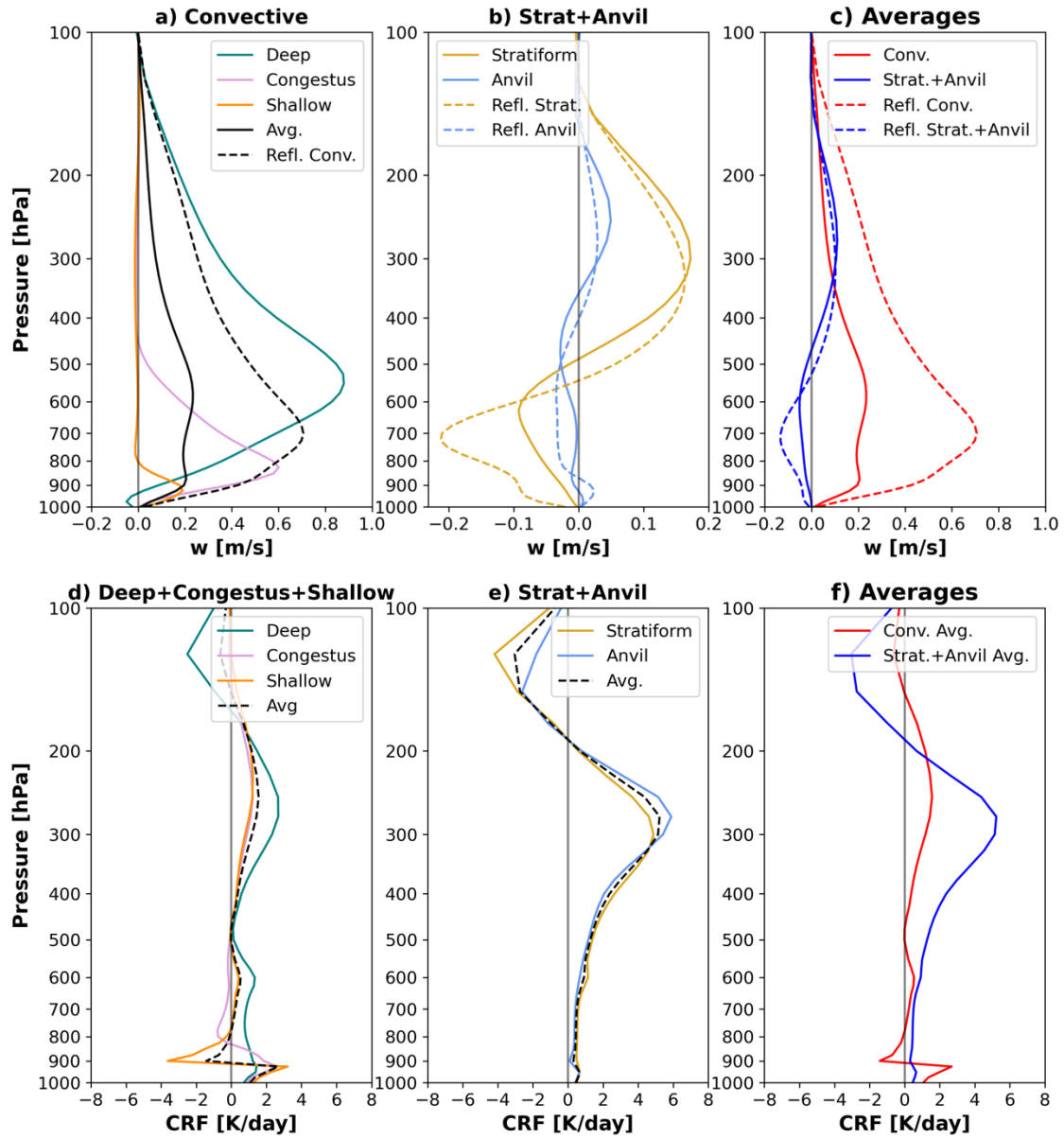


Figure S1. Same as Figure 3 but for the first 24 hours after “spin-up.”

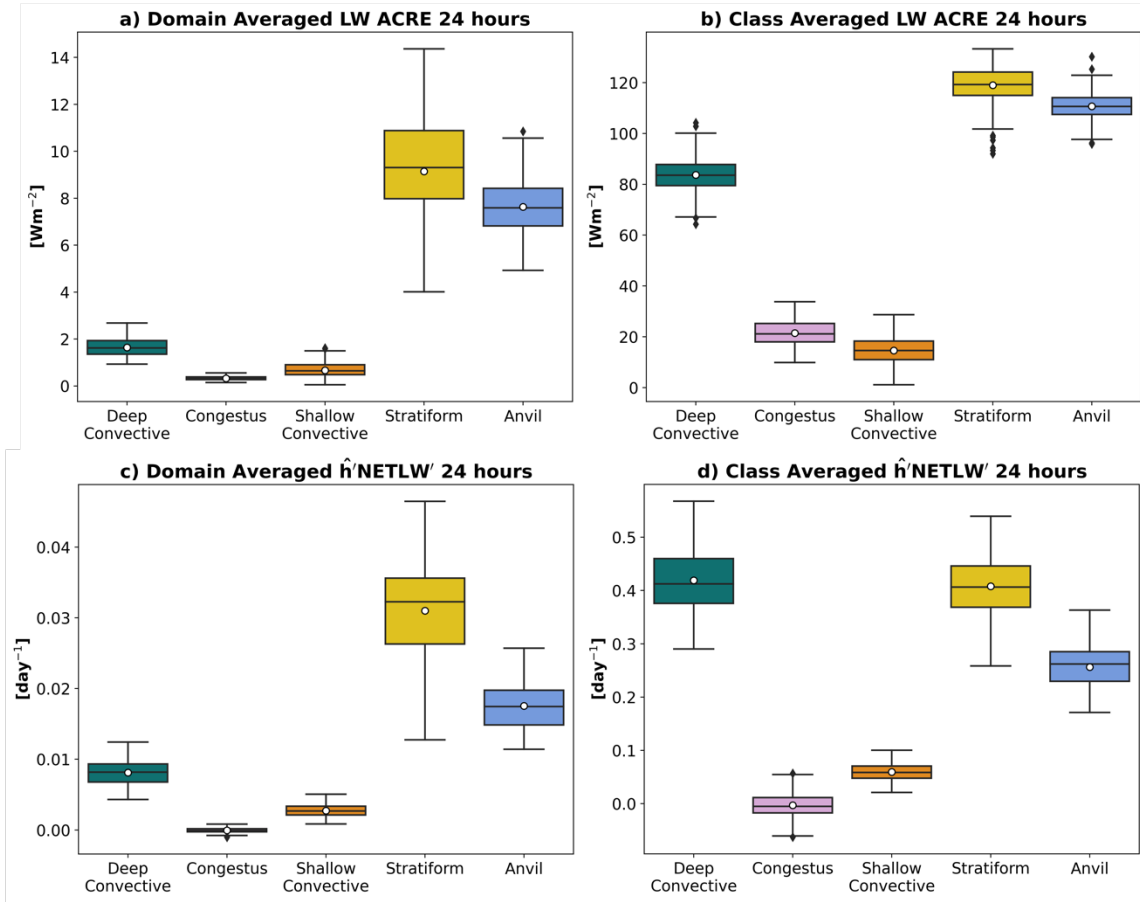


Figure S2. Same as Figure 4 but for the first 24 hours after "spin-up."

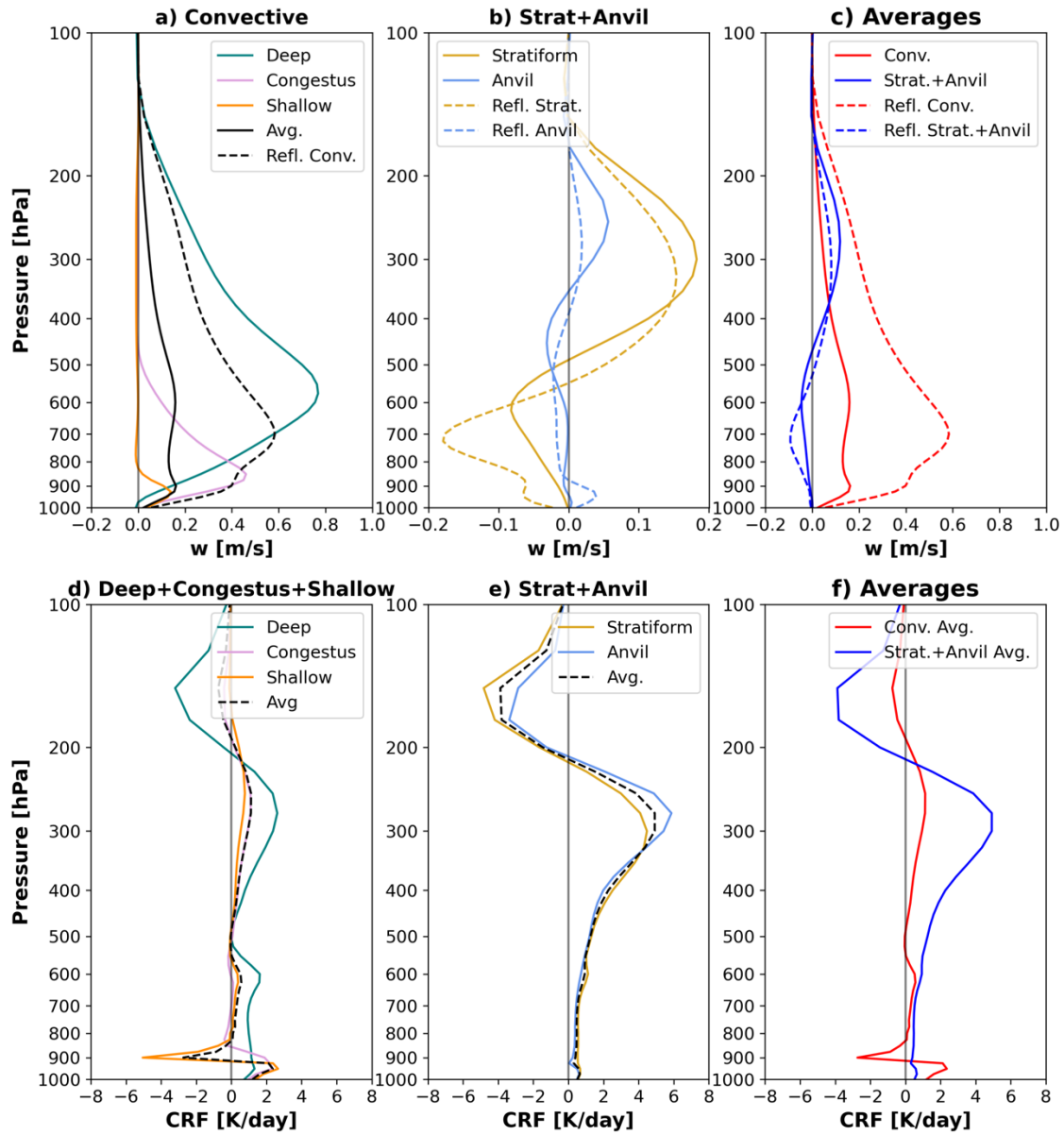


Figure S3. Same as Figure 3 but for Hurricane Maria.

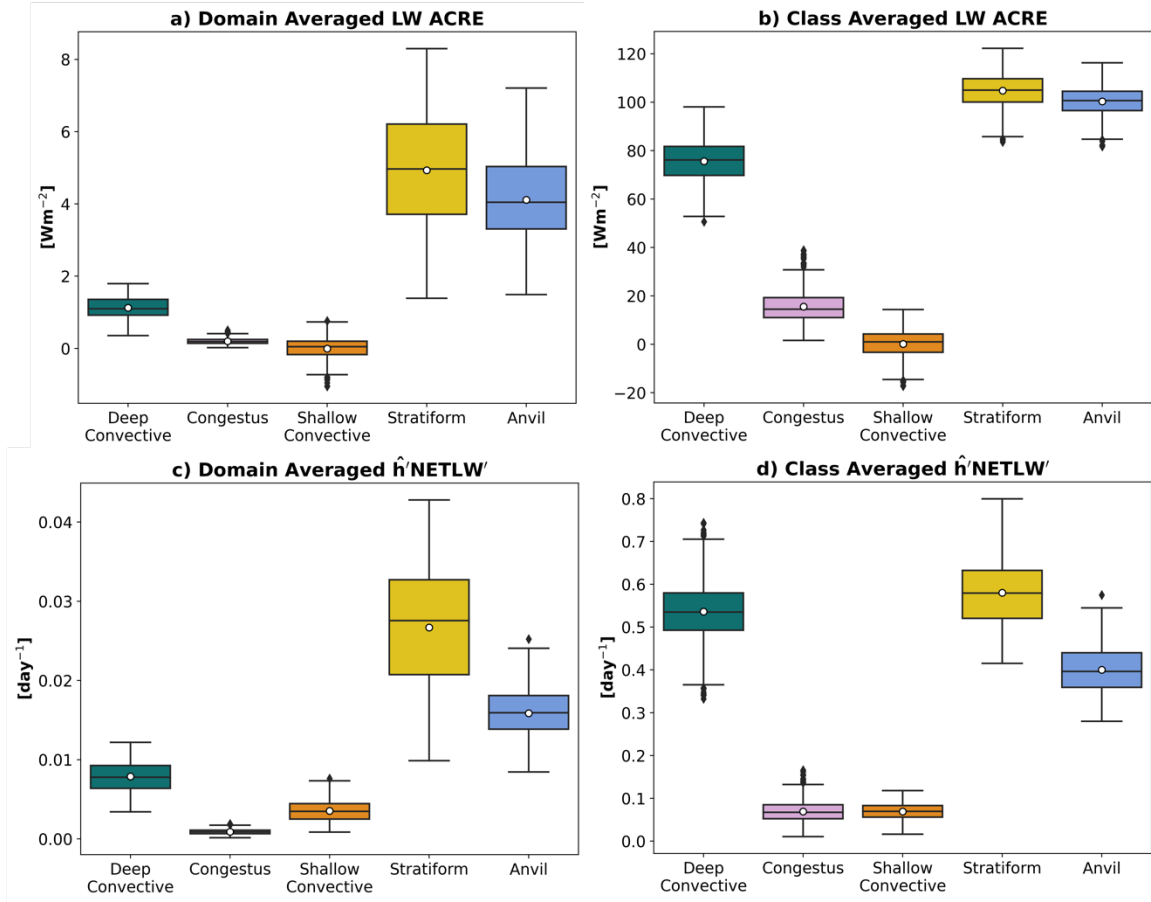


Figure S4. Same as Figure 4 but for Hurricane Maria.

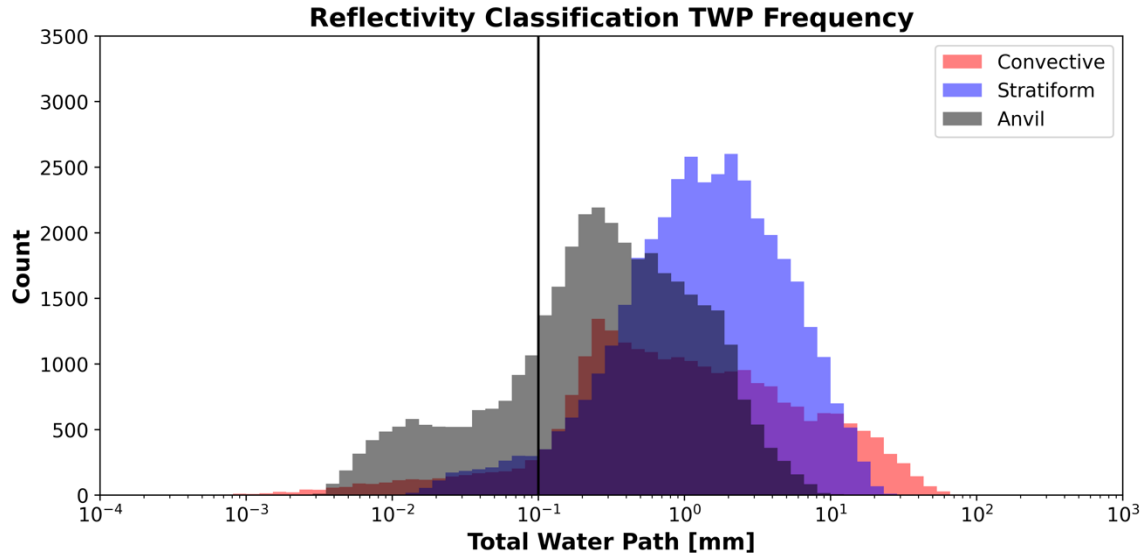


Figure S5. Total water path (TWP) frequency for the Rogers (2010) classification. The convective mode is in blue, the stratiform mode is in red, and the anvil mode is in black. The vertical black line indicates the TWP threshold for the new classification. Figure shows the first member of Haiyan at the timestep 36 hours.

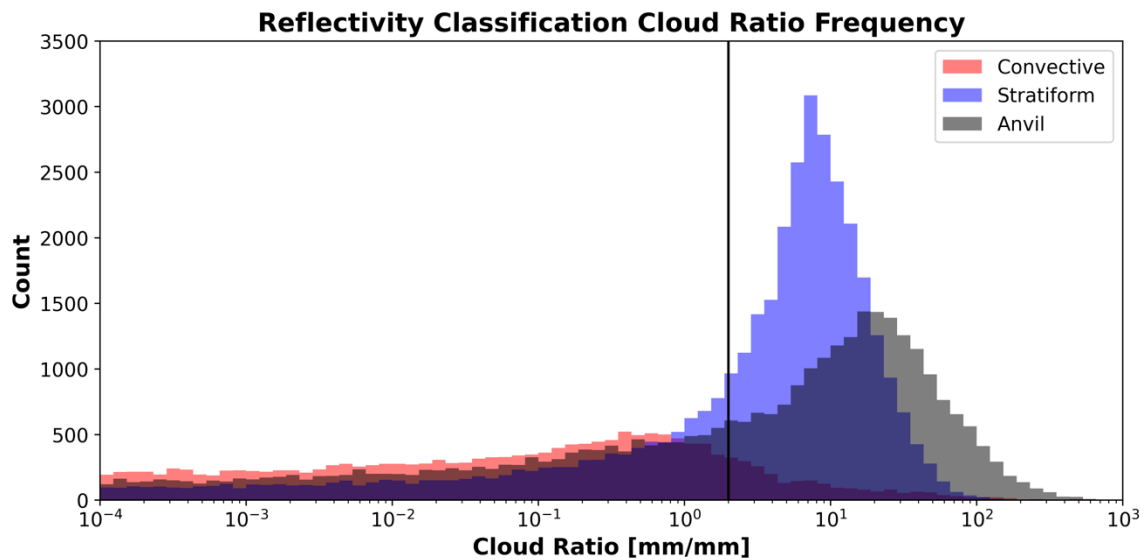


Figure S6. Same as Figure S5 but for cloud ratio (CR).