

## **Supplemental Material**

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## **Supplementary Figures**

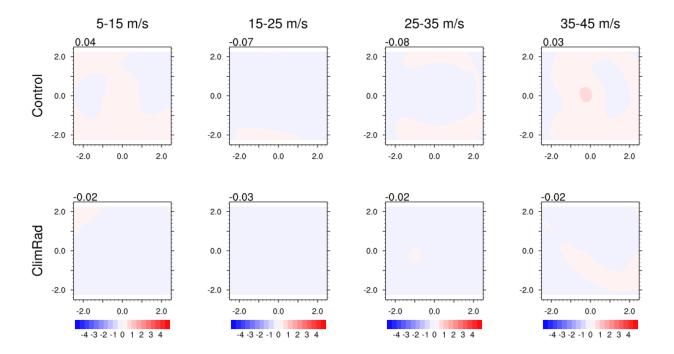


Figure S1 Same as Figure 5 but for  $L_v \hat{q}' \cdot SW'$ .

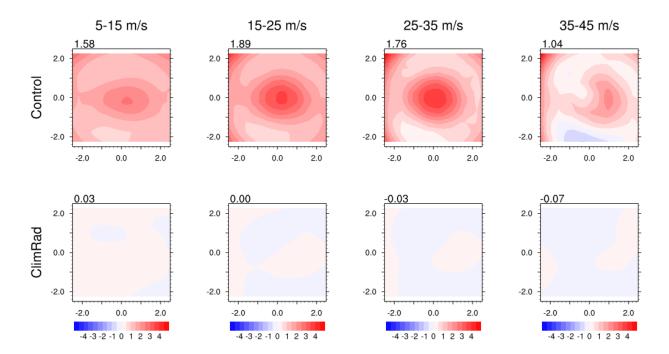


Figure S2 Same as Figure 5 but for  $L_{\nu}\hat{q}' \cdot LW'$ .

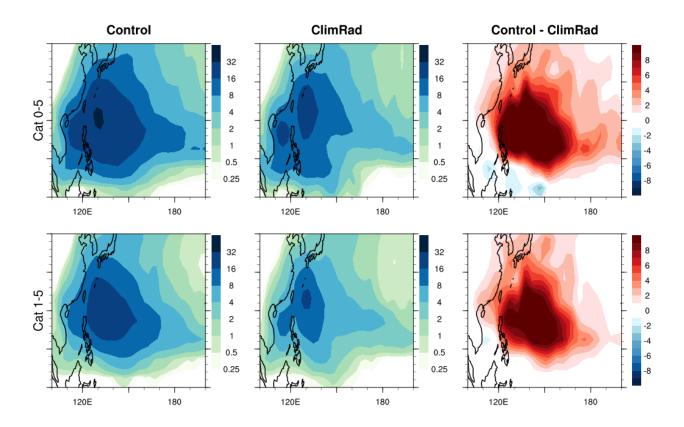


Figure S3 Same as Figure 3 but zoom-in over the Western Pacific.

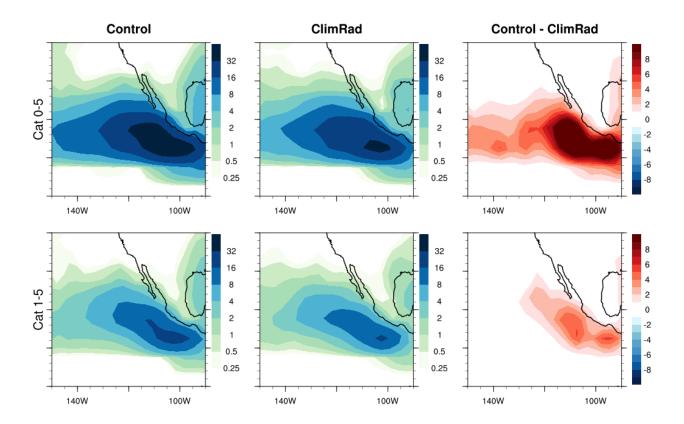


Figure S4 Same as Figure 3 but zoom-in over the Eastern Pacific.

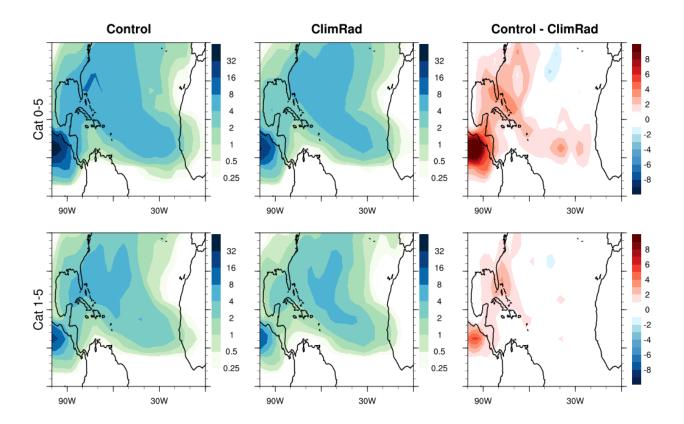


Figure S5 Same as Figure 3 but zoom-in over the Atlantic.