



Supplement of

Impact of warming on rainfall changes in damaging Philippine typhoons using high-resolution convection-permitting models

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SUPPLEMENTARY MATERIAL

Dashed = PI, Solid = FUT (storm-specific regressions)

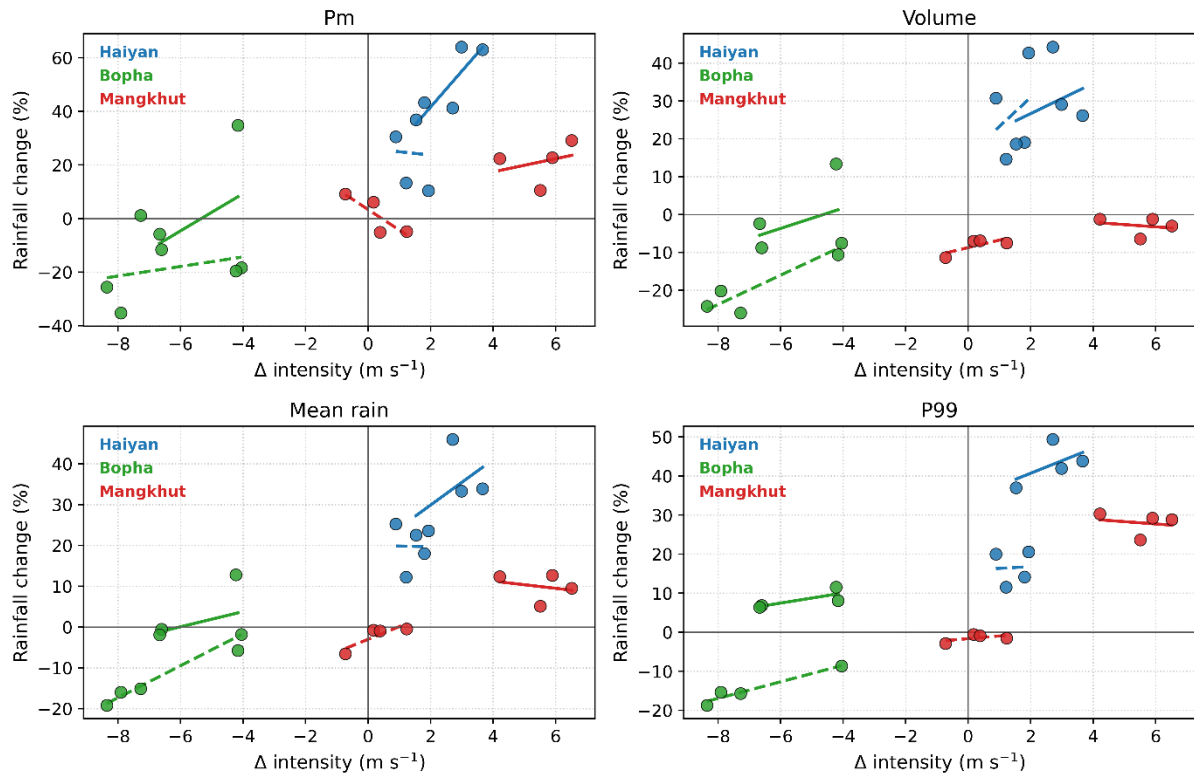


Figure S1. Relationship between changes in tropical cyclone intensity (Δ intensity, m s^{-1}) and rainfall response for preindustrial (dashed lines) and future (solid lines) simulations. Panels show percent changes in azimuthally averaged maximum rainfall rate (Pm), rainfall volume, mean rainfall rate, and extreme rainfall (P99). Solid lines indicate linear fits for each climate state, highlighting a stronger and more consistent positive scaling between intensity and rainfall under future warming compared to preindustrial conditions