

Signals of convective aggregation in the Pacific warm pool regions

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Preliminary results of an ongoing analysis is made of the relationships between sea surface temperature, water vapour, clouds and precipitation in warm pool deep convective regimes. These will show that in some circumstances these covarying relationships reflect characteristics of idealized simulations of deep convection clustered states in radiative convective equilibrium on scales of $O(1000)$ km. We will argue that this is evidence of convection being in a continuously clustered state in the warm pool region in addition to direct measures of clustering made with univariate analyses of out-going longwave radiation and precipitation fields.

Author: TOMPKINS, Adrian (ICTP)

Presenter: TOMPKINS, Adrian (ICTP)

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