

Aerosol- and microphysically driven radiative effects in marine stratocumulus

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Abstract:

The radiative forcing due to aerosol-cloud interactions (ACI) within marine low-level clouds constitutes one of the largest remaining physical uncertainties within the climate system. In this talk I will present insights from my past and ongoing research on microphysically driven cloud-radiative effects in marine stratocumulus around the world in the context of general advancements in this field.