

Oceanography Seminar

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“Analysis of African Biomass Burning Aerosol Over the South East Atlantic and its Interaction with Stratocumulus Clouds during ORACLES 2016-2018”

During NASA ORACLES 2016-2018 airborne missions, biomass burning (BB) advected from the African continent out over the South East Atlantic was intensively studied to better understand the role of BB aerosol in the regional radiation budget but also to discern its effect from natural aerosol on underlying Stratocumulus (Sc) clouds in the marine boundary layer (MBL). Because of its particle size and vast quantities BB aerosol once entrained into the MBL are highly effective as cloud condensation nuclei (CCN)