

Poster #9-15

Forest Dynamics and Severe Convection in Amazonia

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BER Program: TES

Project: NGEE-Tropics

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Mesoscale Convective Systems (MCS) produce severe rainfall in the Amazon. MCSs such as squall lines can produce strong descending winds that can uprooting or break trees. Although the cause (severe rainfall) and effect (tree mortality) relationship is understood, how this relationship affects forest dynamics at the regional scale has not been examined. Here, we shed light on this issue.