

Submission of article - Influence of sea stratification and troposphere stability over the Coastal Squall Lines of Eastern Amazon

Authors: Douglas Vieira da Silva, Thiago Luiz do Vale, Ricardo de Camargo, Doris Veleda

Highlights

1. Significant coherence in 8 and 12-month periods in Eastern Amazon.
2. Relation of CSL frequency with oceanic and atmospheric parameters clarified.
3. Composite analyses show parameter shifts during Coastal Squall Line occurrences.
4. Coastal Squall Line characterization improves with consideration of local stratification.

Corresponding author: Douglas Vieira da Silva

Instituto de Astronomia, Geofísica e Ciências Atmosféricas, Universidade de São Paulo,
Rua do Matão 1226, São Paulo, 05508-900, SP, Brazil