

**Special Seminar**

**Maria Silva Dias**

**from Universidade de São Paulo, Brazil**

**Hosted by Eric Maloney**

**11:00 am, Friday, April 21**

**ATS 101 and Zoom**

**Heterogeneity of the rainfall diurnal cycle in the  
Amazon Basin**

The diurnal cycle of rainfall in the Amazon Basin will be presented based on the database of IMERG rainfall estimations. The subregions of the Amazon, with similar daily cycles, have been defined based on clustering analysis. From these results a discussion will be presented based on the regional aspects that may influence the diurnal cycle, including severe storms along the eastern slopes of the Andes mountains, long lived squall lines initiated at the Northern coast of So. America, the river breeze in the large Amazon rivers.

Colloquia page: [atmos.colostate.edu/colloquia](https://atmos.colostate.edu/colloquia)