



Climate Extremes Workshop
May 16-17, 2018

Lecture: *Network Analysis of Gulf Coast Extreme Precipitation*

Speaker: Whitney Huang

Abstract:

We explore the extremal dependence of annual maximum precipitation in Gulf coast using pairwise chi measure. We adopt the idea of climate network (Tsonis et. al, 2006) to construct an extremal network. A spatial block bootstrap is apply to obtain an assessment of estimation uncertainty of the resulting extremal network.