

Precipitation extremes in the Iberian Peninsula related to NAO and ENSO

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The impact of the North Atlantic Oscillation (NAO) and of the El Niño-Southern Oscillation (ENSO) on the precipitation extremes occurring in the Iberian Peninsula is studied in 55 years of meteorological data from around 40 weather stations in the area of interest. The occurrence of extreme episodes is monitored through the 95th percentile, locally determined at each station. Connections with the NAO and ENSO are sought via correlation and composite analysis. We attempt to identify not only the links between Iberian precipitation extremes and either of these two relevant climate signals independently, but also how possible interactions between these two phenomena might exert an influence on and be reflected in the variability of the Iberian rainfall extremes.