

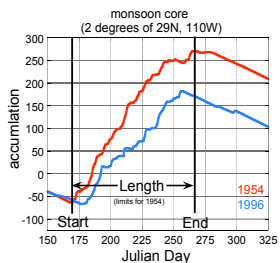
A Definition for Onset and End of the Rainy Season

This is 'Anomalous Accumulation':

$$A(\text{day}) = \sum_{n=1}^{\text{day}} (R(n) - \bar{R})$$

R = daily rainfall

\bar{R} = local annual daily average

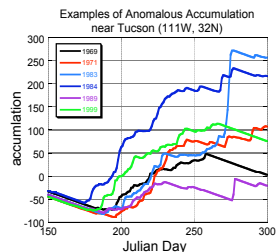


'Onset' ('End') is defined as day after which accumulation exceeds (is less than) climatology

Characteristics...

- local
- objective
- always defined
- 'false' onsets excluded

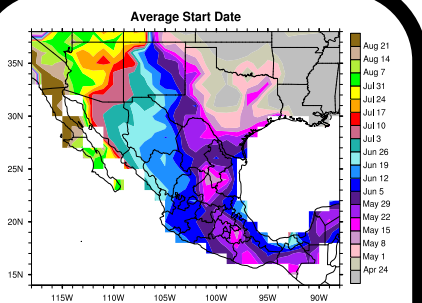
There are occasional ambiguities in some areas...



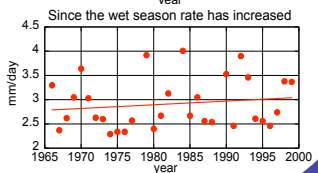
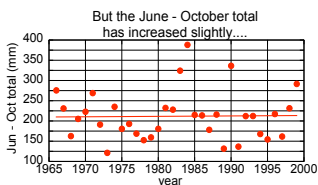
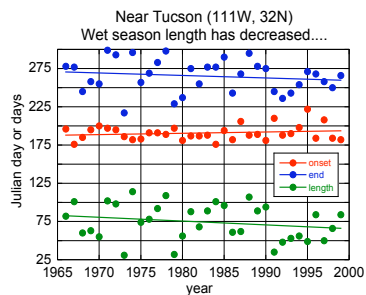
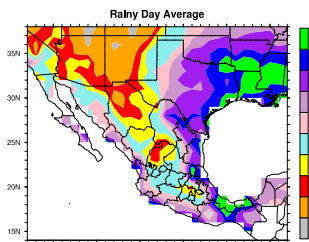
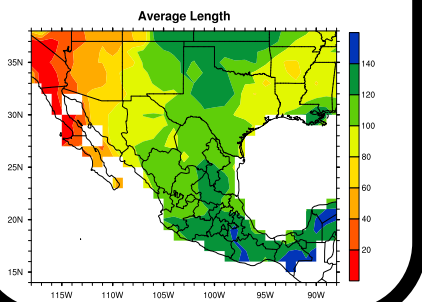
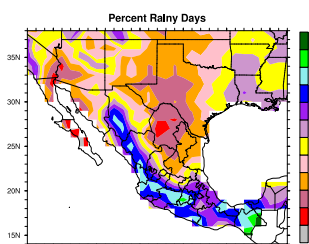
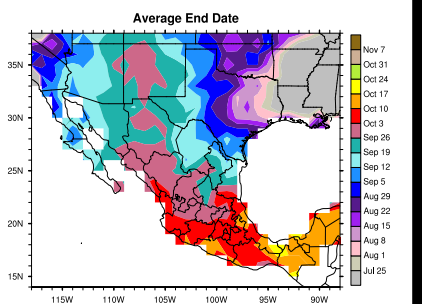
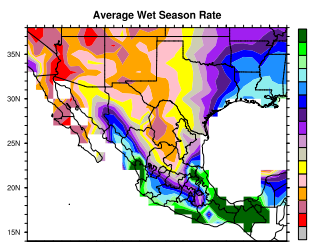
Brant Liebmann and Dave Allured
CIRES Climate Diagnostics Center



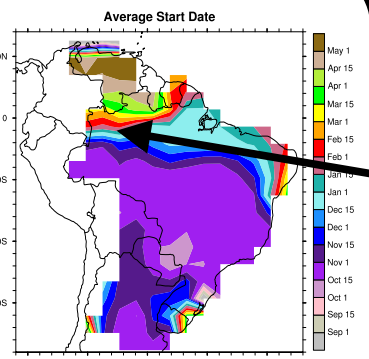
North America



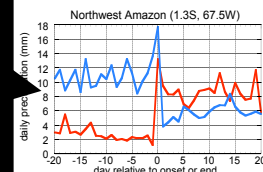
Allows further analysis...



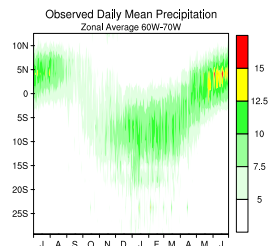
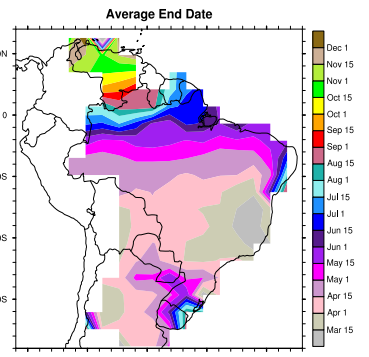
South America



Works in 'problem' areas...



Note unusual equatorward progression of rainy season in South America....



Variance of annual total precipitation...

