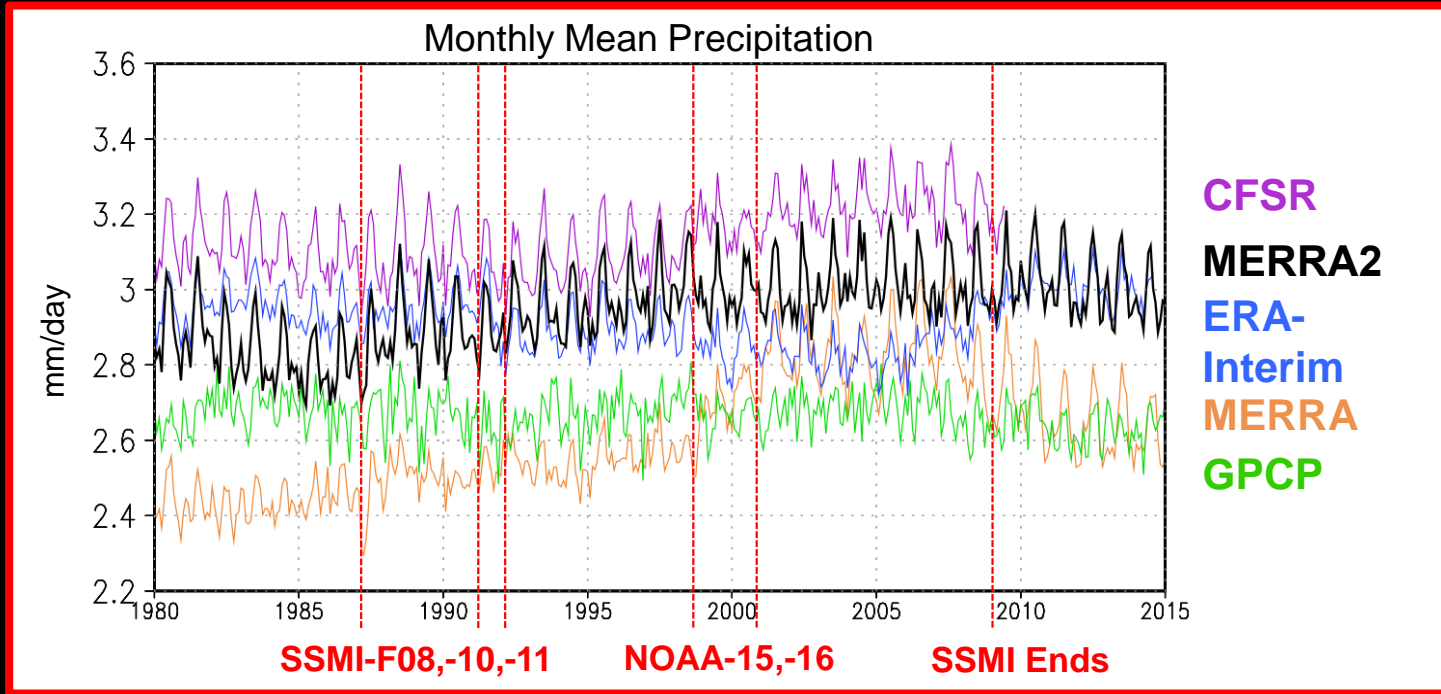




MERRA-2: Global Precipitation Time Series



An important advancement of **MERRA-2** compared with MERRA is the reduction of spurious trends and discontinuities in the assimilated data fields that are related to changes in the observing system. The above time series of global precipitation illustrates that microwave satellite radiances, which strongly affected the temporal behavior of rainfall in MERRA, have a far less disruptive impact in **MERRA-2**.