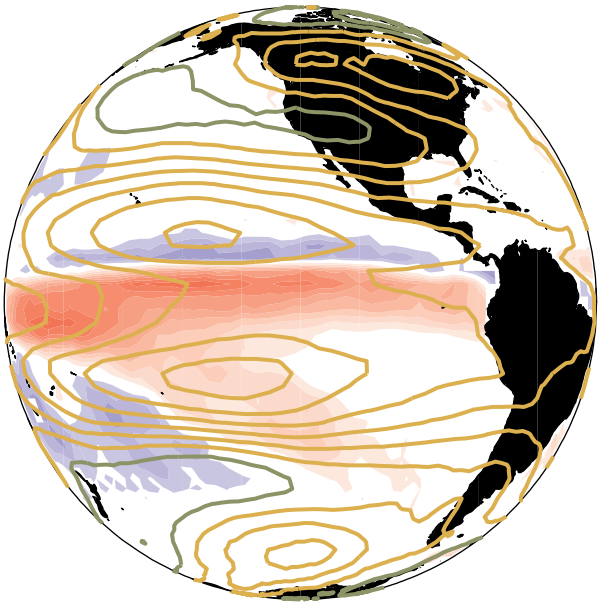

Figure 23. Anomalous rainfall observed during a typical warm episode of the ENSO cycle (colored shading, repeated from Fig. 21) shown with the corresponding pattern of anomalies in mean tropospheric temperature (contours: gold positive and green negative). The pair of temperature extrema straddling the equator in the eastern Pacific are warm anomalies, which correspond to anomalous anticyclonic gyres in the upper-tropospheric flow. These disturbances in the upper-level flow are responsible for the wide-ranging impacts of ENSO upon the climate of the Americas.