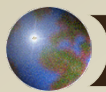
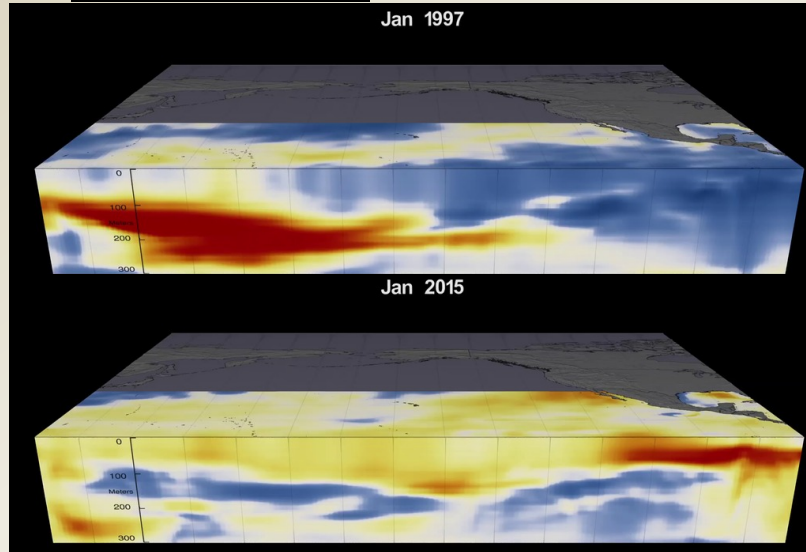


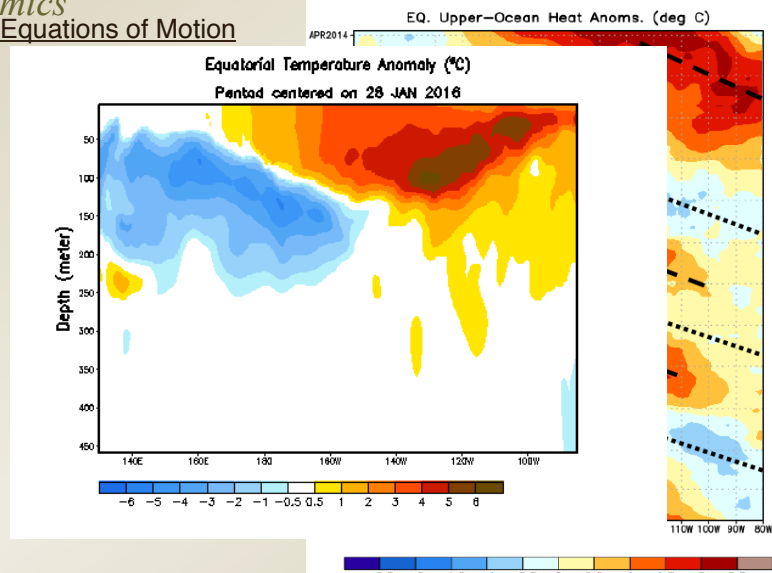
Climate Variability

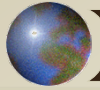
El Nino/Southern Oscillation



Dynamics

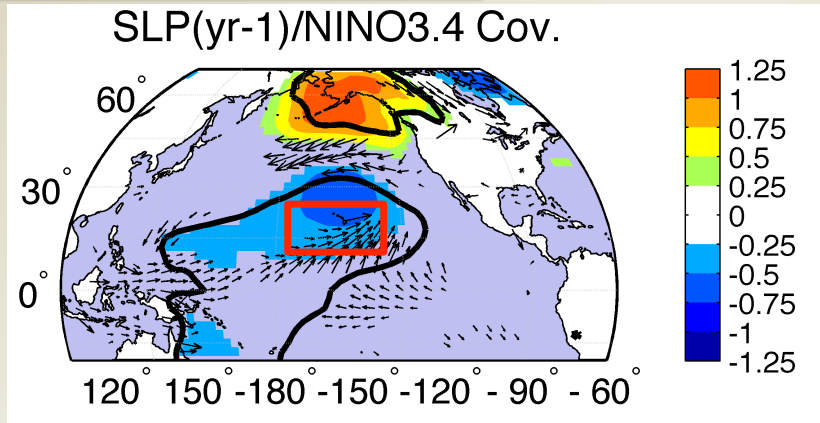
Equations of Motion





Precursors to El Niño/Southern Oscillation

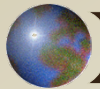
Sea Level Pres. Anom: **Shading**



Sea Level Pres. 90%CI.: **Black Cont.**

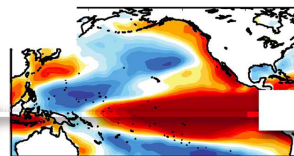
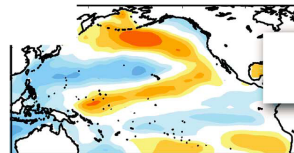
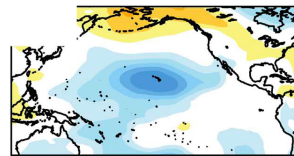
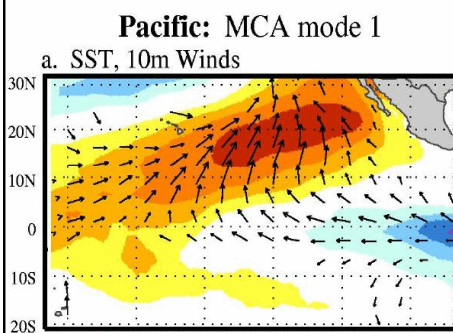
Sfc. Wind Stress: **Vector**

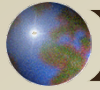
Anderson, 2004 (J.Clim)



FWC and Relation to Other ENSO Precursors

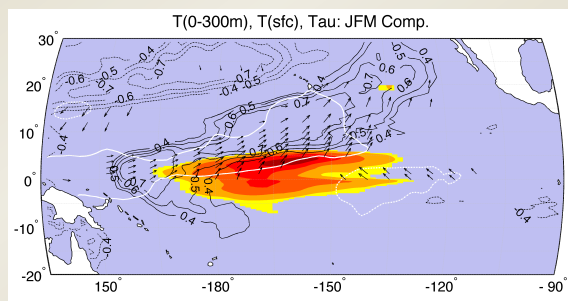
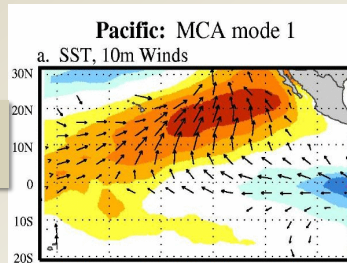
**Meridional Mode
Mechanism**



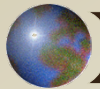


TWC and Relation to Other ENSO Precursors

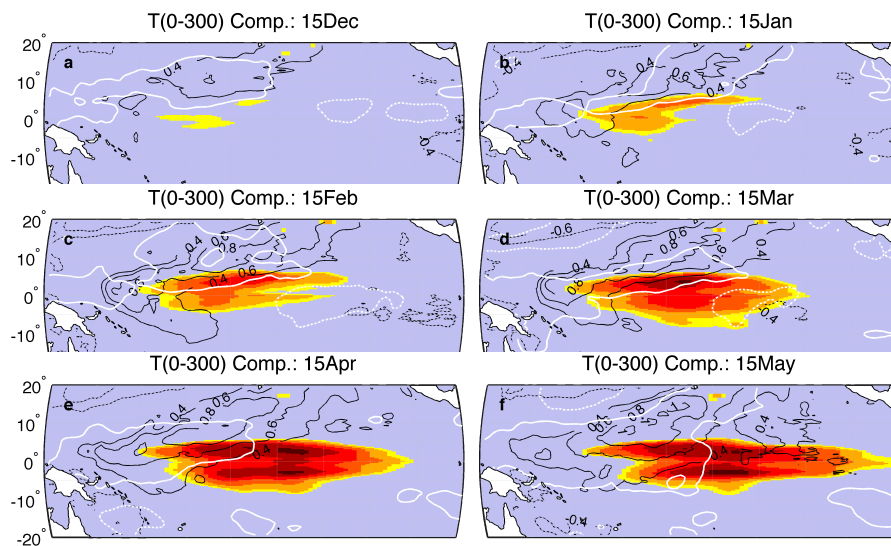
Meridional Mode Mechanism



Trade Wind Charging Mechanism



"Charging" of the ENSO System



Anderson et al. (2013) – GRL

