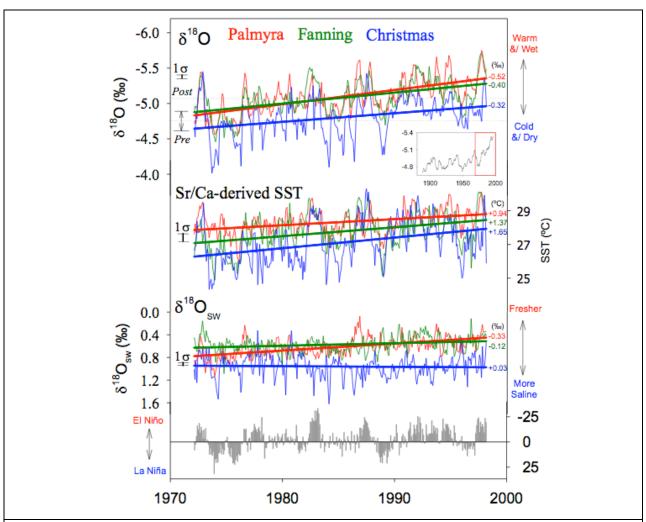
"Coral records of late 20th century tropical Pacific upwelling: investigating a potential climate-carbon feedback"

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Coral climate proxy records from the central tropical Pacific extending back to ~1970AD. These records are comprised of coral δ^{18} O values (top; proxy for temperature and precipitation), coral Sr/Ca-derived sea-surface temperature (middle), and seawater δ^{18} O_{sw} values (bottom; precipitation proxy) from Palmyra, Fanning and Christmas Islands located in the central tropical Pacific. Taken together, the records document a late 20^{th} century trend towards "El Niño-like" conditions in the tropical Pacific that we believe is caused by anthropogenic greenhouse gases. This trend that has important consequences for regional precipitation patterns across the tropics and in the United States.

References:

Nurhati, I.S.*, Cobb, K.M., Charles, C.D., Dunbar, R.B. Late 20th century trend warming and freshening in the central tropical Pacific, Submitted to *Geophysical Research Letters*.