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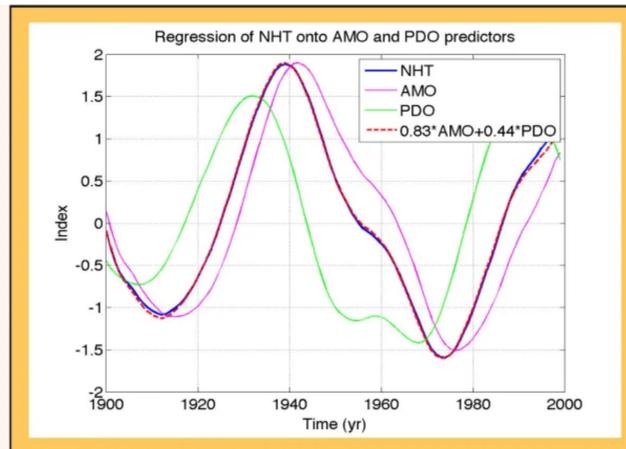
A weblog on climate, global change and climate measurements

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0.83*AMO + 0.44*PDO = NHT

Wyatt et al. published an interesting paper which shows in essence that natural oscillations define the North Hemisphere Temperature (NHT): no need to look for CO2 or other AGHG, natural variability is the Occam razor. See poster [here](#).



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Fig. 2. The M-SSA reconstruction of the NH surface temperature time series can be nearly perfectly represented as a weighted sum of the AMO and PDO reconstructions.

North Hemisphere Temperature = blue curve. $0.83*AMO+0.44*PDO$ = red broken lcurve; both are nearly identical!

Joseph d'Aleo and Don Easterbrook did the same for US temperatures in a [paper](#) published Sep. 2010 in Energy & Environment:

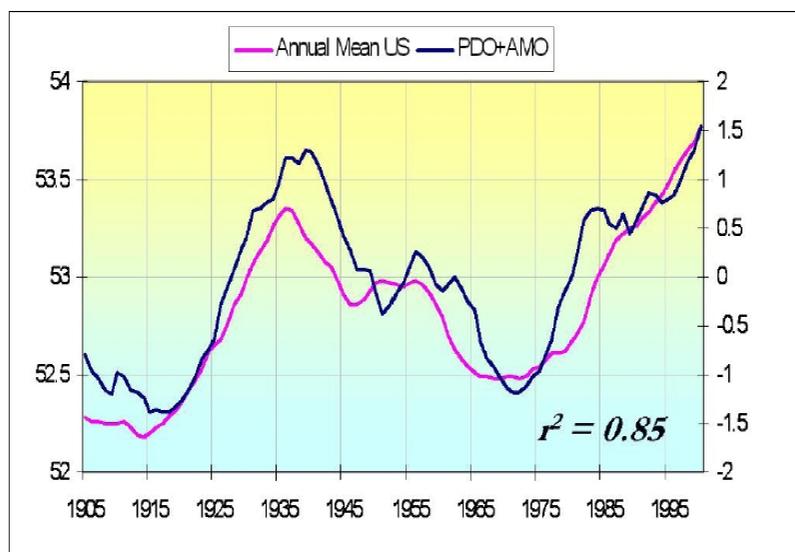


Figure 18: With 22 point smoothing, the correlation of US temperatures and the ocean multidecadal oscillations is clear with an r-squared of 0.85

So we now have 2 independent papers, each covering a different region of the globe, and each coming to the same conclusion: **temperature is driven by oceanic oscillations** (which may themselves represent the influence of changing cloud cover and solar activity).

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