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Interactive comment on "Stratospheric ozone and QBO interaction with the tropical troposphere on intraseasonal and interanual time-scales: a wave interaction perspective" *by* Breno Raphaldini et al.

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"PDC was also used to detect the causality between the El Niño Southern Oscillation and the monsoons and also in the sea-air interaction in the South Atlantic Convergence Zone (Tribassi et. al, 2017)"

Since it has become obvious that common-mode tidal forcings control the majority of climate indices, as a first step one should consider how the tidal factors play into the models. See attached figures for AMO, ENSO, and QBO. Once this causality is understood, then it will be much easier to deal with other interactions. Cheers

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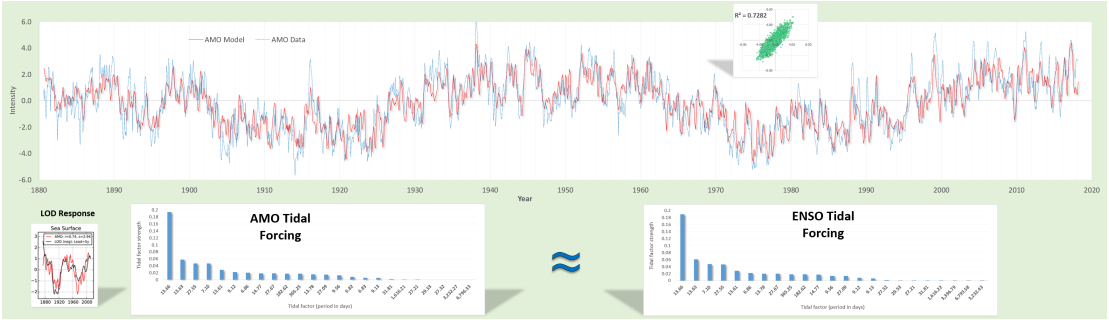

Fig. 1. Common mode tidal forcing used to model AMO

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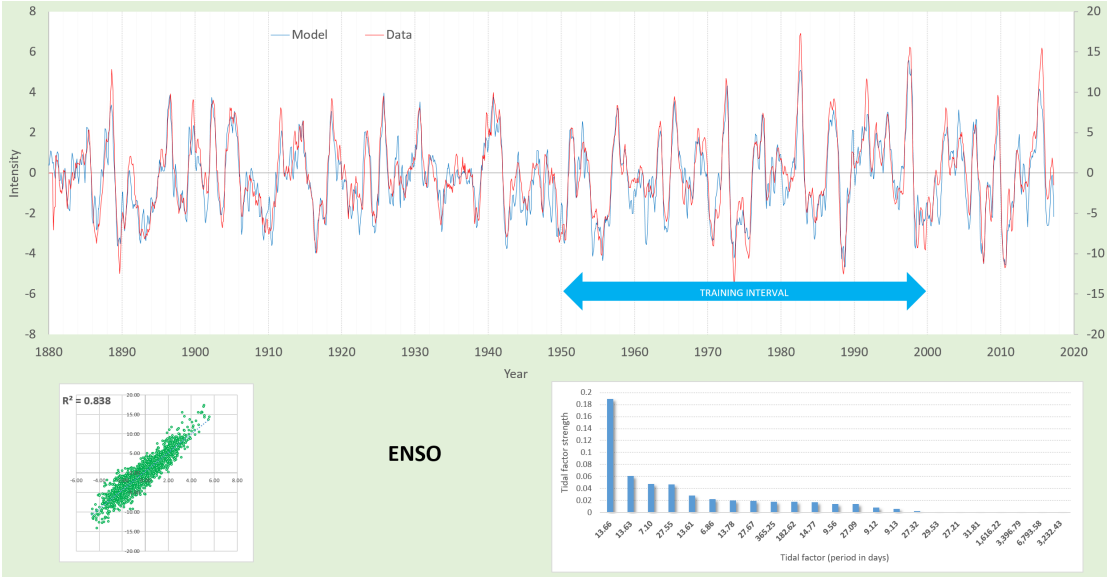

Fig. 2. Common mode tidal forcing used to model ENSO

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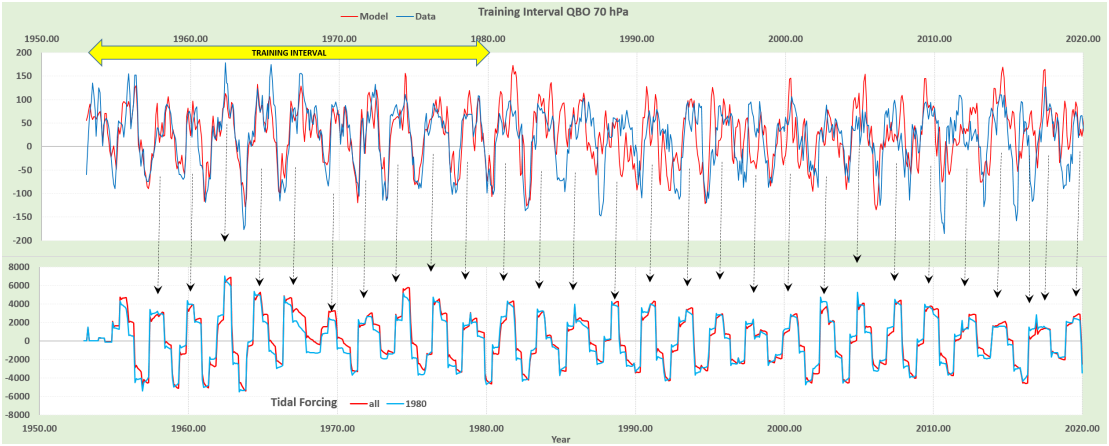

Fig. 3. Common mode tidal forcing used to model QBO

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