

Interactive comment on “Inferring climate variability from nonlinear proxies: application to paleo-ENSO studies” by J. Emile-Geay and M. P. Tingley

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This well written paper explores the problems inherent in ignoring non-linear proxy-climate relationships. I concur with most of reviewer 1's comments and won't repeat them so have only minor suggestions for improvements.

Thank you for this constructive feedback.

Some of the text is heavy-going. For example erfc is used in the main text but not

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defined until the appendix.

The entire BPM solution is described in the Appendix A, so when we mention its properties we assume that the reader has looked at the Appendix already.

Hyphens are sometimes missing -> "anti-correlation", "non-normal"

There were exactly one instance of each, and both have now been corrected.

Fig 4 would benefit from tighter y-axis ranges - the detail in this figure is difficult to see.

We can deal with this at the revision stage, though the details are secondary in the figure; the broad features are the point.

The difference between figure 3 and 5 was not very obvious.

Figure 3 and Figure 5 have nothing in common, so perhaps the referee has other figures in mind?

Interactive comment on Clim. Past Discuss., 11, 2763, 2015.

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