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## ***Interactive comment on “On studying relations between time series in climatology” by V. Privalsky***

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Thank you for your suggestion.

The article by Guez et al (2013) does not deal with time series analysis methods (at least, explicitly), uses cross-correlation coefficients, and its objects of study do not include the Atlantic Multidecadal Oscillation. Its “. . . aim is to follow climate dynamics and to investigate the temporal stability of their structure” (p. 68006-p1), which is not a goal in my article. The data consists of daily values of air temperature anomalies “(actual values minus the climatological averaged over the years for each day)” on a spatial grid, not of mean annual values as in my article. The authors do not analyze any time series in the frequency domain nor does the article contain time series models in the form of stochastic difference equations. Thus, it has no direct bearing on either the mathematical methods described in my article (parametric multivariate time series

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analysis), upon the time scales (climate), or upon the geographical objects (no AMO data).

The article by Ludescher et al (2013) deals with spatial gridded data in the Niño area 3.4 (that is, SST3.4). Similar to the Guez et al article, it is based on the climate network approach, not on time series analysis approach used in my article. It uses cross-correlation between nodes of the grid (random variables analysis) within the area (no teleconnections through oceans as in my article) and deals with forecasting El Niño events (not a subject in my article). Again, no overlap with my article either in methods of analysis or the goals.

With all due respect, the articles that you recommend are not relevant to my article. Referring to them in my article would be inappropriate.

Sincerely, V. Privalsky

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Interactive comment on Earth Syst. Dynam. Discuss., 6, 699, 2015.

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