

Interactive comment on “Climate forcing reconstructions for use in PMIP simulations of the Last Millennium (v1.1)” by G. A. Schmidt et al.

Anonymous Referee #1

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Review of the paper entitled “Climate forcing reconstructions for use in PMIP simulations of the last millennium (v1.1)” by Schmidt et al.

This paper provides an update of the forcing reconstructions available to drive simulations of the climate of the last millennium. It describes clearly the new reconstructions, how the hypothesis selected to derive them compare with the previous ones and the main differences in the resulting time series. The paper is well written, precise and discusses the main recent works on the subject. I thus consider that it can be published with only very minor changes.

1/ From my reading, it seems that the authors consider, on the basis of current knowledge, that the solar forcing reconstruction of Shapiro et al. (2011) is likely less reliable than the other ones. It may be an overinterpretation from my side but a clearer state-

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ment regarding this point would be useful. I understand that the authors do not want to impose a particular reconstruction but do they recommend to select this time series as a sensitivity study when a simulation with a particular model has already been performed using another solar forcing or do they simply let the choice among all the proposed series?

2/ Page 2454, line 20. A reference for the pre-Columbian population estimates would be useful.

3/ Figure 4. Add in the caption the meaning of the acronyms for an easier reference.

4/ Figure 4. It is difficult to see the difference between PEA and CEA.

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