

## ***Interactive comment on “Could the Pliocene constrain the Equilibrium Climate Sensitivity?” by J. C. Hargreaves and J. D. Annan***

**J. C. Hargreaves and J. D. Annan**

jules@blueskiesresearch.org.uk

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Thank you for the comment. We will add the correct reference to the revised manuscript. We prefer to use broad-scale averages as they should provide less noisy estimates of temperature changes, and be less susceptible to location errors in the models. A full spatial reanalysis was outside the scope of this work so we used the PRISM3 analysis as a plausible first step. We certainly look forward to any future improvements in the data and may ourselves attempt a full spatial reconstruction along the lines of our work with the Last Glacial Maximum (Annan, J. D. and Hargreaves, J. C.: A new global reconstruction of temperature changes at the Last Glacial Maximum, *Climate of the Past*, 9, 367–376). But this is left for future work.

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