

Dear Editor (Andrew Lorrey),

Please find our updated version of the manuscript entitled “*Evaluation of PMIP2 and PMIP3 simulations of mid-Holocene climate in the Indo-Pacific, Australasian and Southern Ocean regions*” (manuscript I. D. cp-2016-136) that has been submitted to the *Climate of the Past* special issue on *Southern perspectives on climate and the environment from the Last Glacial Maximum through the Holocene: the Southern Hemisphere Assessment of PalaeoEnvironments (SHAPE) project*.

We (the authors) have completed the revisions we outlined during the review stage. This submission includes the main revised document (Ackerleyetal.pdf), the supplementary material (Ackerleyetal_Supplement.pdf) and another supplement (SHAPE_Database_020817.xlsx) that shows the latest version of the database for the proxy records used in the paper. The database is not quite complete, but we are updating and finalising it presently. We envisage that it will be complete by the time of full publication if the paper is accepted. We would also recommend that the paper not be published until the database is in such a state that it is considered complete by the Editor and the authors (e.g. if there are any unforeseen delays in the interim, we will inform the Editor and *Climate of the Past* immediately and work out a course of action). Please note that we have included a track changed document (i.e. latexdiff as specified—document is Ackerleyetal_latexdiff.pdf); however, the changes are so substantial that the document is almost illegible. We have included Ackerleyet_Supplement.pdf, SHAPE_Database_020817.xlsx and Ackerleyetal_latexdiff.pdf in the compressed file – Ackerleyetal_All_Supplements.tar.

The authors hope that the revisions that have been made to the main article, the new supplementary material document and the new database have answered all of the initial review points raised in the discussion paper.

We look forward to receiving your responses.

Kind regards,

Duncan Ackerley (lead author).