

Interactive comment on “Low-resolution Australasian palaeoclimate records of the last 2000 years” by Bronwyn C. Dixon et al.

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Dear Dr. Kaufman and 2k Special Issue Data Review Team,

Thank you for your comments on ‘Low-resolution Australasian palaeoclimate records of the last 2000 years’. The authors look forward to working to ensure correct data archiving is achieved.

Essential additions for this paper: (1) Expand the "Data Availability" section to include a URL to a landing page for the data compilation in this paper. The landing page should list the 22 individual datasets that were selected for this study (Table 1) plus those that were considered but not selected (Table S1).

Response: The following URL will become active upon publication of this manuscript:

C1

<ftp://ftp.ncdc.noaa.gov/pub/data/paleo/pages2k/dixon2017australasia/>.

Age control information, the original published age-depth model, the updated age-depth model, and the previously published time series for each of the 22 ‘high quality’ data sets will be available at this URL.

Raw datasets for each of the publications in table S1 have not been collected. If the data team would prefer, it is possible to include table S1 in spreadsheet form in the online data folder.

(2) Add Data Citations/URLs (in addition to publication citations) for each of the 22 datasets selected for this compilation. For those data not already in a persistent public repository, submit essential metadata along with the proxy time series itself and add the Data Citation/URL in Table 1.

Response: A column will be added to table 1, which will contain data URL(s) for each of the 22 PAGES Aus2k datasets. Datasets not currently available in public archives have been submitted to NOAA paleoclimate, and the URLs will be included in table 1.

(3) Include the 14C and other age control for each of the 22 records, plus the age ensembles (a primary outcome of this study), within the publicly archived files (LiPD format is recommended).

Response: Currently published age control information is available at the individual data URLs mentioned in the previous comment. The BACON age-depth models will be available at <ftp://ftp.ncdc.noaa.gov/pub/data/paleo/pages2k/dixon2017australasia/> upon publication of this manuscript.

(4) If any of the records used in this study were also used in previous PAGES 2k databases (temperature or isotopes), please include cross references to those IDs in Table 1.

Response: Data IDs of records used in previous PAGES2k databases will be included in a ‘Data ID’ column in table 1.

C2

Strongly recommended:

(5) Table S1 is a major resource for the paleoclimate community. Its value would be increased by: (a) Stating the criterion (or criteria) that was not met for each of the records that did not make the final cut. This will enable future users to easily cull the records that meet other criteria (e.g., lower resolution). (b) Naming the archive and proxy type for each record (as in Table 1). (c) Replacing the "NA" with the actual data or explain the purpose/meaning of the "NA".

Response: Table S1 will be updated to include the archive and proxy for each record. The primary reason for exclusion of records will be provided. 'NA' was used when it was not possible to calculate the field (i.e. resolution) and/or when it was not possible to access the dataset. This will be clarified in the table caption.

Please also note the supplement to this comment: <http://www.clim-past-discuss.net/cp-2017-31/cp-2017-31-SC2-supplement.pdf>

Interactive comment on Clim. Past Discuss., <https://doi.org/10.5194/cp-2017-31>, 2017.