

Interactive comment on “Review of regional Antarctic snow accumulation over the past 1000 years” by Elizabeth R. Thomas et al.

D.s Kaufman

darrell.kaufman@nau.edu

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The PAGES Data Stewardship Integrative Activity seeks to advance best practices for sharing data generated and assembled as part of all PAGES-related activities. As part of this activity, a team of reviewers has been constituted for the “Climate of the Past 2000 years” Special Issue. The data team is reviewing the data handling within each of the CP-Discussion papers in relation to the CP data policy and current best practices. The team has identified essential and recommended additions for each paper, with the goal of achieving a high and consistent level of data stewardship across the 2k Special Issue. We recognize that an additional effort will likely be required to meet the high level of data stewardship envisaged, and we appreciate the dedication and contribution of the authors. This includes the use of Data Citations (see example in supplement). We ask authors to respond to our comments as part of the regular

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open interactive discussion. If you have any questions about PAGES Data Stewardship principles, please contact any of us directly.

Best wishes for the success of your paper,

2k Special Issue Data Review Team (Darrell Kaufman, Nerilie Abram, Belen Martrat, Raphael Neukom, Scott St. George) and ex-officio team members (Marie-France Loutre, Lucien von Gunten)

Essential additions for this paper:

(1) Update the “Data Availability” section to include an explicit URL address to locate the input datasets and the reconstructions generated in this study. For the input datasets, we suggest creating a landing page for this study that lists the 80 individual datasets.

(2) Add Data Citations (in addition to publication citations) for each of the 80 datasets used in this study. For those data not already in a persistent public repository, submit essential metadata (including the name of the Antarctica region to which it was assigned in this study) along with the accumulation time series itself and add the Data Citation/URL in Table 1.

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

(4) Submit the primary outcome of this study, the composite accumulation time series by region (Fig 7), to a public repository and include the Data Citation/URL in “Data Availability”.

Recommended elements are:

(5) Archive the gridded spatial correlations of snow accumulation data shown in Figs 2 through 5.

(6) Archive the 50- and 100-year trends for each record as shown in Fig 8.

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Please also note the supplement to this comment:
<http://www.clim-past-discuss.net/cp-2017-18/cp-2017-18-SC1-supplement.pdf>

Interactive comment on Clim. Past Discuss., doi:10.5194/cp-2017-18, 2017.