

Editor Decision: Publish subject to technical corrections (20 Sep 2017) by Christian Turney

Comments to the Author:

Dear Barbara,

Thanks very much. I must apologise for the delay. I've been away and just catching up.

As you know, the PAGES 2k Network is working towards having all data publicly available. Before I accept the manuscript can you resolve the following issues:

- 1.: The URL link to the data archive for this study returns an error. Please confirm this is functional (prior to publication).
- 2.: Please allow the editor to review the data that will be deposited at NOAA Paleoclimatology
- 3.: Add Table S1 to the data archive for this study; include it on the NOAA-Paleo landing page.
- 4.: Double check that all of the "original data URL" links in Table S1 are correct and functional. The ones that end in ".txt" appear to return error messages.

Authors' answers

Regarding the point 1: The link will be working after the publication of the paper. The link is provisional and I have it from NOAA WDC Paleo.

Regarding point 2: I submitted all the data to NOAA and asked them to make the link available for the editors. The data sent to NOAA contains: the data generated in this study as an xls file, the Table S1 with the metadata info and the URL links to the original data sets, a folder containing the T reconstruction generated with the CPS method and used in this study (this was prepared by Raphael Neukom) and finally a folder with the raw data files (using the PAGES2k template) of some of the Dronning Maud Land ice cores that were not previously saved in a public repository).

Regarding point 3: I agree, it was already decided.

Regarding point 4: Now the links in the updated TableS1 xls file are all working on my computer. I checked also with Bruce Bauer at NOAA and he said that he suspects the excel settings are blocking opening URL's directly from a spreadsheet. At the beginning, I had also the same problem, now in the updated Table all seems OK.....