

## ***Interactive comment on “Reconstructing Late Holocene North Atlantic atmospheric circulation changes using functional paleoclimate networks” by Jasper G. Franke et al.***

**Jasper G. Franke et al.**

jasper.franke@pik-potsdam.de

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*(1) Expand the "data availability" section to include details on where the input and output data are archived. A Data Citation is needed for the output data (6 below).*

We have submitted the output data as requested to pangeae. It is now available at <https://doi.org/10.1594/PANGAEA.875881> and a reference will be added to our revised manuscript. The data availability section of our manuscript will be expanded accordingly.

*(2) Add Data Citations for all of the proxy datasets listed in Table S1.*

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We will add missing data citations in our revised manuscript

*(3) For those data not already in a public repository, submit essential metadata along with the time series and include the Data Citation in Table S1.*

We will add all essential metadata in our revised manuscript

*(4) For those records with previous PAGES 2k IDs, include cross references to those IDs in Table S1 (see Table 1 in PAGES 2k Consortium (in press) for PAGES2k IDs). Also, the PAGES2k temperature database version number that was used must be stated in "data availability" and in the title to Table S1.*

We will add the PAGES2k IDs and the database version number in our revised manuscript.

*(5) Explain why records from the PAGES 2k database that meet the criteria for this study appear to have been excluded from this analysis.*

We are not aware of any records in the PAGES2k database which meet the criteria stated in our manuscript and were not included in our analysis.

*(6) Submit the primary outcome of the data analyses to a public repository. This includes: (a) The NAO index reconstruction (Fig S6). (b) The cross-link density time-series in Fig. S4.*

Please see our response to (1). In addition, we will revise the corresponding data file provided in the Supplementary Material accompanying our manuscript.

*(7) Archive the values for the NAO reconstruction in 50-year bins that was used to correlate with the output of this study (last row in Fig. S7; from Ortega et al., 2015)*

Please see our response to (6).

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