

1. Please insert the NOAA paleoclimate data URL for the ScandT14 temperature reconstruction into the Data Availability section.

*Response: Done*

2. As far as I can see the ScandH17 reconstruction and standardized tree-ring chronologies (new and reprocessed) are not in the supplementary material. ScandH17 and the standardized tree-ring chronologies need to be archived and available. I recommend this be done with the NOAA paleoclimate database. As for point 1) above the URL can be inserted in the Data Availability section.

*Response: The ScandH17 reconstruction and all 25 standardized tree-ring chronologies are uploaded as supplementary material.*

3. I am not satisfied that the Seftigen et al. 2015 data, updated or otherwise, have been publicly archived. Table II refers to datasets 'Updated by Seftigen et al. 2015' or 'Seftigen et al. 2015'. I tracked back to Seftigen et al. 2015 to look at these data -- note the correct doi is 10.1175/JCLI-D-13-00734.1 (dash missing in the citation in the References section) -- and the supplementary material associated with Seftigen et al. 2015 only contains tree ring location information. Please comply with the 2k Special Issue Data Review team request "(2) Add Data Citations or URLs (in addition to publication citations) for each of the 27[25] tree ring chronologies used in this study to Table II (we note that Table II includes only 25 entries). For those raw data not already in a persistent public repository, submit the essential metadata along with the chronology itself and add the corresponding Data Citation (or URL) in Table II. The archived data must contain the modified chronologies as they were re-processed and used in this study (newest signal-free standardization; adjusted to reduce variance bias). The 'Updated by Seftigen et al. 2015' revisions should be publicly archived and the 'Seftigen et al. 2015' datasets should also be archived."

*Response:*

*- All raw data that are not yet publicly available are uploaded to supplementary materials. Table II indicate which chronologies this is.*

*- The correct doi is inserted for Seftigen et al. 2015*

*- We note that there was a typo in the previous ms version. Table II should have 25 entries. The table and the text are now corrected.*