

Dear Christo,

Many thanks for your positive and constructive response. We have now submitted the revised version of our manuscript.

In the Data Availability section, we now provide direct links (full URL) for each of the data sets we had discussed: (1) the water isotopes, (2) the pollen data, (3) the Pb data. You should now view all these 3 data sets.

In the Data Availability section, we added the statement "Please contact the corresponding author for access to data sets archived on Zenodo".

We have added in the Supplementary Information the new Table S4 about polled data, including plant species, and a short description of the way in which the indexes were constructed from the raw pollen data.

Finally, we anticipate that we are also preparing another file containing all the calculated data sets (derived from the raw data measured in the ice) and including: the numerical values of the age depth relationship, core depth alignments, the flow model etc. These calculated data sets will be made fully and immediately available as soon as the paper will be formally accepted.

We hope this revised version is now acceptable for publication. Thank you very much again for handling our paper.

Best,

Paolo and Theo