

Interactive comment on “The 8.2 ka cooling event related to extensive melting of the Greenland Ice Sheet” by H. Ebbesen et al.

H. Ebbesen et al.

Received and published: 15 January 2009

Dear Editor. We have been commented on all the remarks now - please look into it.

Regarding an improvement of resolution and datings; We have commented on the dating issue in the comments to Blaauw and Reimer, please see. The improvement of the resolution of the dataset is not possible. We have been analyzed all samples and in fact our resolution is allready decadal/centennial.

In the paper we are only discussing the period preceeding and following 8200 cal. BP. We are not analyzing more into the rest of the Holocene. In some of the cores the records are no longer than seen here. These are the reasons why we are not providing longer Holocene context.

The paper do not claim to detect the 8200 event itself. We are talking about the melting

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of GIS as a possible causing mechanism behind this event as an adding factor to former theories. We are not excluding well known theories but adding new thoughts into the discussion of the mechanisms behind the event.

Minor corrections listed will be included in the paper.

Thank you for constructive comments.

Interactive comment on Clim. Past Discuss., 4, 1219, 2008.

CPD

4, S712–S713, 2009

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