

Interactive comment on “Deglacial sea-level history of the East Siberian Sea Margin” by Thomas M. Cronin et al.

Thomas M. Cronin et al.

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Received and published: 14 July 2017

July 14, 2017

Editors, Climate of the Past,

Dear Carlo,

On behalf of my co-authors, we submit a revised manuscript entitled “Deglacial sea-level history of the East Siberian and Chukchi Sea Margins”. We already uploaded detailed response to 3 reviewers. In addition, in response to your own comments about the radiocarbon chronology, we made final revisions, shown in the tracked file. You will see the following important changes: 1. Section 4.1 describes how, based on a review of Arctic deglacial records, it is highly unlikely the age of the undated meter

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of sediment in 4-PC1 core could be much older than about 13.5 simply because the Arctic Ocean did not experience much sedimentation as ice cover was retreating, at least based on our current knowledge and radiocarbon data. 2. However, we recognize there is uncertainty, and wrote this sentence: “In regards to the undated interval in 4-PC1 core from 609-500 cm core depth, this means that, pending further investigations, we cannot completely exclude the possibility that the lowermost sediments below 500 cm core depth in 4-PC1 are older than ~13.5 ka.” 3. We also updated references, including the now published companion Jakobsson et al. paper, which also addresses radiocarbon dating, in this CP volume. 4. We will upload the Appendix data, which includes microfossil species data, with help from Copernicus.

We look forward to your feedback on the new revision.

Sincerely,

Dr. Thomas M. Cronin

Interactive comment on Clim. Past Discuss., <https://doi.org/10.5194/cp-2017-19>, 2017.

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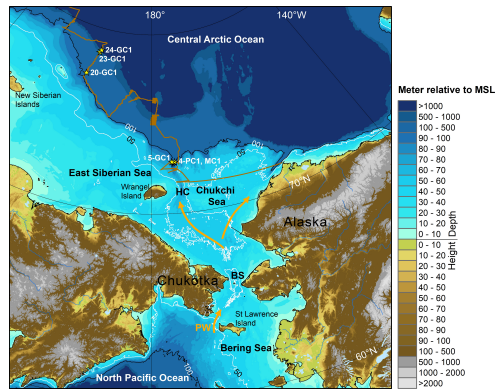


Fig. 1. Fig. 1

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