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February 02, 2022

Dear Dr. Zhengtang Guo,

Thank you for your efforts as editor of this manuscript "*Biomarker Proxy Records of Arctic Climate Change During the Mid-Pleistocene Transition from Lake El'gygytgyn (Far East Russia)*". We are pleased to make the minor changes noted by the reviewers, which are found in this revised version. A point-by-point response to those suggestions is also attached.

We hope that you now find our further revised manuscript suitable for publication in *Climate of the Past*, and we look forward to seeing this in press.

Sincerely,

A handwritten signature in black ink, appearing to read "Kurt R. Lindberg". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kurt R. Lindberg, on behalf of the co-authors

## CoP Paper Comments and Responses

### Reviewer #1

*The authors have appropriately responded to all comments, and I thank them for considering my suggestions in their revised manuscript. I particularly commend the additional discussion about the Walker circulation with respect to their dataset in a regional context. Overall I recommend that this manuscript be accepted, at the discretion of the editor, with the exception of a few very minor changes:*

We thank Dr. Worne for again providing a careful review of our revised manuscript and for the helpful suggestions.

### Suggested Corrections:

- *Line 483: Addition or substitution of reference to Stroynowski et al., 2017 (<http://dx.doi.org/10.1016/j.palaeo.2017.08.023>).*

We have included the reference to Stroynowski et al., 2017 in addition our reference to Worne et al., 2020 in our discussion about upwelling in the Bering Sea. (Section 5, Line 583)

- *Line 517: "exhibits a cool MIS 25"? or rephrase.*

We have rephrased this to read "exhibits a relatively cool MIS 25". (Section 5, Line 517)

- *Line 514: capitalize "Site"?*

"Site" has now been capitalized in referencing Site U1343. (Section 5, Line 517)

### Reviewer #2

Reviewer #2 has recommended that our revised manuscript be accepted as is and did not suggest additional revisions. We thank the reviewer for providing another careful review of our manuscript.