August 10, 2017

*Climate of the Past* Editorial Office

Dear Martin,

Thank you for your kind comments. We would like to submit our revised manuscript entitled “Holocene dynamics in the Bering Strait inflow to the Arctic and the Beaufort Gyre circulation based on sedimentary records from the Chukchi Sea” by Yamamoto et al. We revised the manuscript according to your comments.

*Row 27: I suggest changing “…..The quartz/feldspar ratio, a proxy of the BG strength, gradually..” to “...The quartz/feldspar ratio, interpreted as a proxy of the BG strength, gradually……”*

Reply: Corrected.

*Row 30: ..We suppose..:” , I think this should be “We propose”. In any case, the latter would be more appropriate to write.*

Reply: Corrected.

*Figure 1. Please use the same short names on the map as in the text for consistency, 01A-GC instead of 01A etc.*

Reply. 01A changed to 01A-GC in Fig. 1.

*Figure 1. The cores ARA04C and ARA05C are not shown on the map. Please show the cores included in the study on the map.*

Reply: ARA04 and 05C cores are used for surface sediment analysis. The locations are shown in Fig.1 but it is not easy to show each location, but the locations are shown in Supplementary table 1. Thus, we inserted a sentence in the caption of Fig. 1: “The positions of added surface sediments are listed in Supplementary table 1.”

*Figure 2. The colors are presumably showing ratio, but there is no mention of that along the bar or in the figure caption, please add.*

Reply: The name of ratio was added on the top of each scale.

Thank you very much for your cooperation.

With best wishes,

Masanobu