

From: zhdl@ms.xjb.ac.cn

Authors replies to the review comments

Climate of the Past (EGUSPHERE-2025-1991R2)

Dear Prof. Natalia Piotrowska :

We are very grateful to you and the reviewer for her/his comments which helped us to improve the revised manuscript.

In this revised manuscript, we have made revisions according to your valuable suggestions. Thank you very much for your attention and consideration again.

Sincerely yours

Dr. Dongliang Zhang

Replies to Editor (thank you ! From Dongliang Zhang):

Please add a table reporting the information about samples (depth, uncalibrated ^{14}C dates, calibrated ages) to the Supplementary file. I am aware the dates have been published, and please add there the reference to original manuscript (Sun et al. 2013). As the previous dates were likely calibrated with older ^{14}C calibration curve, adding these data would make the dating information in your present manuscript clear.

Reply: We added it (Table S1) in the supplementray materials.

Need to add “and median ages used to calculate the sedimentation rates in yr/cm” in line 153.

Reply: Done.

This is a simple written formula, not MS Equation - please edit the style to Word Equation Editor or LaTeX

Reply: Done.

Need to add “sedimentation rate (yr/cm) derived from the age-depth model (see paragraph 2.2).” in line 228.

Reply: Done.