

Dear Christian,

Thank you very much for your helpful comments. We have revised the manuscript accordingly to make the terminology and sample description more consistent and clearer.

We now use 'core' only to refer to the full S2 core record, 'segments' to refer to the 44 recovered pieces from that core, and 'samples' to refer to the smaller laboratory specimens cut from those segments. We have also standardised the numbering throughout so that, it is referred to consistently everywhere. This includes updating figure 2, 3 and 6 to use the consistent terminology.

We have also revised the thin-section description to clarify that these are vertical thin sections, and we have reworded the relevant text to make clear that the two thin sections come from segment 35. In addition, we updated the Figure 3 caption to clarify the orientation of the thin sections relative to vertical.

Thank you again for making these suggestions to help improve the clarity of the paper

Emma Pearce
on behalf of all co-authors