

Dear Editor and the Production Team,

We sincerely appreciate the valuable comments from the reviewers and the professional support from the editor throughout the review process. Their contributions have been vital in refining our manuscript and have significantly improved the final quality of our study. We also thank the production team in advance for their assistance in bringing this work to publication.

While preparing the final production files, we would like to report a minor technical update to Figures 1 and 8. As the original editable source files were unfortunately lost, we carefully redrew these two figures to provide high-quality, production-ready versions. We confirm that these updates are purely graphical and do not affect any data, results, interpretations, or conclusions:

Figure 1: Updated the colorbar label from "m" to "Topography (m)" for clarity.

Figure 8: The legend was manually repositioned during redrawing, so its placement differs slightly from the previous version.

No other parts of the manuscript have been modified. Thank you for your assistance during the production process.

Best regards,

Qing Zheng (on behalf of all co-authors)