

Author's response to the editors

Meng Sun (correspondent author)

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The authors want to express our sincere gratitude to the editors for their careful handling of this manuscript. According to the editors' suggestions, we have included the revised arguments (egusphere-2025-2671-author_response-version3.pdf) in the manuscript as a supplementary material (see S1, accompanying file).

Regarding the section "Author contributions", we have used initials of the authors instead of full names in the revision.

Regarding the section "Code/Data availability", we have uploaded the code and data related to this study to Zenodo, revised the section and included the DOIs in the reference list in the revision.

We sincerely thank the editors for their diligent work and valuable guidance. We highly appreciate the EGU sphere as a platform that fosters free and open scientific discourse and progress. The review process for this submission has been a thoroughly positive experience, and we greatly appreciate the time and effort invested in improving our work.