

Dear ACP editor:

We have addressed all the issues you identified and uploaded all figures to the submission system as requested.

In addition to the requested corrections, we have made one minor adjustment: the former Figure S7 has been moved to Section 2.2 (Page 7, line 158) to improve the logical flow and facilitate the reader's understanding; thus the supplementary figures have been renumbered accordingly.

No changes have been made beyond those described above. We confirm that the content of all figures, tables and text are exactly the same as those in the accepted manuscript.

Anything for our paper, please feel free to contact Prof. Gehui Wang via ghwang@geo.ecnu.edu.cn.

All the best

Can Wu

On behalf of Prof. Gehui Wang

September 16, 2026