

Dear Prof. Cheng,

Thank you for your positive decision and for the helpful technical comments. We have carefully addressed all the requested corrections in the final revised manuscript. Our point-by-point responses are provided below.

Comment 1: *L149: In “A is the number of days per year (365)”, the parentheses should indicate the unit rather than the value. Please also double check Eq. (3) to ensure that the units are consistent.*

Response: Thank you. We have revised the definition of A to indicate the appropriate unit and have rechecked Eq. (3) to ensure dimensional consistency.

Comment 2: *L371: Replace “reconstructed” with “analyzed”.*

Response: Revised as suggested.

Comment 3: *L377: Remove “tongue”.*

Response: Revised as suggested.

Comment 4: *L380: Replace “constraints” with “analysis”.*

Response: Revised as suggested.

Comment 5: *Figure 5(b): Please check whether the color scheme is colorblind friendly.*

Response: Thank you. We revised the colors and marker symbols in Fig. 5b to improve colorblind accessibility. The revised figure was checked using the Coblis Color Blindness Simulator recommended in the journal guidelines.

Comment 6: *Figure S2: The figure is very blurry. Please provide a higher-resolution version.*

Response: Figure S2 has been replaced with a higher-resolution version.

Comment 7: *Data availability: The dataset archived at <https://doi.org/10.5281/zenodo.19450085> should be provided in .zip rather than .rar format.*

Response: The archived dataset has been updated to provide the files in .zip format, as requested.

We thank the editor again for the careful assessment of our manuscript.

Best regards,

Yunyi Luo, on behalf of all authors