Reply on RC2
Rui Ma et al.

Author comment on "Pixel-level parameter optimization of a terrestrial biosphere model for improving estimation of carbon fluxes with an efficient model–data fusion method and satellite-derived LAI and GPP data" by Rui Ma et al., Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2022-96-AC2, 2022

Dear Juan A. Añel,

Thank you for the reminder. Based on your comments, we have made the following adjustments:

- We uploaded the main code used in the article on Zenodo, as well as the corresponding model-driven data and results, code running instructions and Readme.txt files. Meanwhile, we selected 'Creative Commons Attribution 4.0 International' as our license file. Detailed information can be found at https://doi.org/10.5281/zenodo.6845547.
- We have revised the ‘Code and data availability’ section in our manuscript, and the revised content is as follows:

  **Code and data availability.** We provide an optimization script of several pixels as well as their driving data sets as materials to support the implementation of MASM algorithm in calibrating the IBIS simulator. All source codes and the additional information on the main codes used in our manuscript are packaged at https://doi.org/10.5281/zenodo.6845547. For any questions or interest in our model data or code, please contact the corresponding authors.

We will also mark this revision information in our revised manuscript. Please contact us in time if there are any other questions.