

**FINAL RESPONSE TO EDITORIAL TEAM FOR
GEOSCIENTIFIC MODEL DEVELOPMENT: MANUSCRIPT
EGUSPHERE-2024-3770**

Dear Editorial Team,

Thank you for your email and the decision regarding our manuscript entitled “Calibrating the GAMIL3-1° climate model using a derivative-free optimization method” (ID: egusphere-2024-3770).

Specifically, we have updated the units in several figures as follows:

Figure 5(b), Figure 7(b), Figures S1(b), S2(b), and S5(b): changed from “kg/kg” to “%” for relative humidity.

All figures have been prepared according to the journal’s formatting requirements and are ready for upload to the production system.

We would like to express our sincere gratitude to the reviewers and to the editorial team for their insightful comments and professional handling throughout the review process. Their efforts have significantly improved the quality of our manuscript.

We look forward to the final publication of our work in Geoscientific Model Development.

Please do not hesitate to contact me if any further information or action is required.

With best regards,
Dr. Wenjun Liang on behalf of all the co-authors