**Geoscientific
Model Development
Discussions**

Interactive comment on "The mid-Pliocene climate simulated by FGOALS-g2" *by* W. Zheng et al.

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On behalf of all the coauthors, I would like to thank the referee for the constructive comments and detailed technical corrections. They will be integrated into the revised version of this paper.

Some quick responses to the specific comments are listed below:

C398 ii) The more detailed descriptions of GAMIL2.0 and LICOM2.0 will be added into the part of model descriptions.

C398 iv) The data used in the Data-Model Comparison are from the PRISM3D sea water temperature that used to initial the ocean. We agree with the referee that the uncertainty is large in the deep ocean and accept the suggestions to replace Fig. 8c and d with the site data-model comparison. The part of DMC will be reorganized.

C399 vi) In fact, the X axis in Figure 2d indicates the change of precipitation in percentage. But the symbol of % is missing in the figure. In keeping with other papers in PlioMIP, the Fig. 2d will be replaced with a new one with precipitation changes in mm d-1.

Many thanks,

Weipeng Zheng

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