

Interactive comment on “Enhancing reproducibility of numerical simulation result on the C-Coupler platform” by L. Liu et al.

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We thank Dr. Dan Lunt a lot for the reminder.

In this reply, we gave a package (Package for checking reproducibility) as a supplement. This package contains the script checkout_experiment, an experimental setting package GAMIL2-sole.time_slice_from_1974.config.20140818-235723.tar, an environmental variable file local_env and a log file of model execution GAMIL2-sole.time_slice_from_1974.gamil.log.20140819-111206 for checking bit-identical reproducibility. Please follow Section 4.2 in the paper and the user guide of the C-Coupler platform to bit-identically reproduce the corresponding simulation. When downloading for the simulation, please modify “DATAROOT” and “PLATFORMROOT” in the file local_env, and enter the username (“Public”) and password (“publicopen”) to the GIT

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server for downloading the model code. The processor version to run the simulation is Intel(R) Xeon(R) CPU E5-2670.

We gave a simulation of atmospheric model version GAMIL2 but not a simulation of FGOALS-gc or MASNUM-POM that has been used in empirical evaluation (Section 6) because we could not publicly distribute the model code without permissions from the corresponding model groups.

If you encounter any problem when bit-identically reproducing the simulation result, please contact us (liuli-cess@tsinghua.edu.cn). If you want to bit-identical reproduce the simulation result of FGOALS-gc or MASNUM-POM, please also contact us.

Please also note the supplement to this comment:

<http://www.geosci-model-dev-discuss.net/7/C1410/2014/gmdd-7-C1410-2014-supplement.zip>

Interactive comment on Geosci. Model Dev. Discuss., 7, 4429, 2014.