

Interactive comment on “Divergent predictions of carbon storage between two global land models: attribution of the causes through traceability analysis” by R. Rafique et al.

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Received and published: 6 April 2016

Response: The two modeling teams had trained their respective models with specific meteorological forcings in their default settings. However, both models were run till they reached equilibrium state, based on which our analysis was conducted. We acknowledge that this may lead to some bias in certain regions. However, we mainly focused on the long-term global means of all variables at steady state and we believe that this won't affect our main conclusions.

In the revision (page 16; line 6-9), we have added more discussions on this potential source of uncertainty as follows: “It should be noted that there is some difference in the

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two meteorological forcing in certain regions, which may propagate into the simulations by the two models. Nevertheless, the main conclusions are robust since we mainly focused on the long-term global means of all variables at steady states.”

Interactive comment on Earth Syst. Dynam. Discuss., 6, 1579, 2015.