

Interactive comment on “Coupling a groundwater model with a land surface model to improve water and energy cycle simulation” by W. Tian et al.

W. Tian et al.

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We would like to thank the Referee #2 for his time and effort for this manuscript. His critical reading and valuable comments will help us to improve this manuscript. His comments are replied as follows.

RC2: Line 5-6 of Page 10935, Sensitivity test in LZG calibrates the vegetation parameters according to the ET measured from 20 August to 30 August 2008. It seems that the time period here is not consistent with that shown in Line 16-18 of the page?

Response: Thanks. This is a mistake and we have corrected it in the revised manuscript.

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RC2: Improve English description of the manuscript. For example, Line 26-27, P 10946. 'Although a coupled model is developed in this paper, there are many energy and water processes that are not considered in our model, such as surface water processes' should be changed into 'Although a coupled model was developed in this study, some the energy and water processes, such as surface water processes, are not considered in the model'.

Response: Thanks, we have revised it accordingly. We have also proofread the revised manuscript and tried to improve the English writing.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 9, 10917, 2012.

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