

## ***Interactive comment on “Calibration analysis for water storage variability of the global hydrological model WGHM” by S. Werth and A. Güntner***

**J. Liu (Editor)**

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This paper provides an innovative approach to combine satellite-based estimates of water storage in a global hydrological model. The topic falls very well within the scope of the HESS journal. I suggest the paper be published subject to minor revision.

The reviewers provide several constructive comments, e.g. clarification of the calibration process, clarification of the filtering and error estimation procedures, shortening the conclusion section etc. Many technical comments are also provided. The authors should revise the article by fully considering the comments from the reviewers.

Furthermore, there are many English errors in the manuscript. The authors have to

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significantly improve the readability of the article. I suggest the authors ask British or American colleagues to help polish the English language before submitting the revised manuscript.

The authors should check carefully to make sure all the references are used in the text. For example, Liu et al. (2009) is mentioned in the reference list but not used in the text. This reference should be used in Page 4815 Line 12-15, or somewhere else. [Liu, J., A. J. B. Zehnder, and H. Yang, 2009. Global consumptive water use for crop production: The importance of green water and virtual water, *Water Resources Research*, 45, W05428, doi:10.1029/2007WR006051.]

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