

Interactive comment on “Analysis of long-term terrestrial water storage variations in Yangtze River basin” by Y. Huang et al.

Anonymous Referee #2

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General remarks

- English should be corrected by a native English speaker. In the uploaded addendum I corrected already many awkward expressions and flaws. Also suggestions for improvement have been added.
- Fig 4 and 5 have identical legends. What is the difference between both?
- The statistical methods should be explained in more detail for the reader. E.g. the MK test, the MKS test, the concept of stationarity and the principles of forward and backward sequencing with reference to inflections.
- In fig 1 many gauging stations are indicated. Nevertheless only the data of one gaug-

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ing station are used for validation purposes. This is hardly representative for the catchment of the Yangtze and its upper middle and lower reaches, which have completely different mass flow regimes. I did not find the validation section where the gauging station data are used, unless in fig 1 runoff is related to the gauging data from the singular station. This is however not explicitly mentioned.

Specific comments:

A lot of comments are made by referee 2 in the preliminary manuscript. I suggest the authors to read them attentively and respond and correct where they think it is necessary.

Please also note the supplement to this comment:

<http://www.hydrol-earth-syst-sci-discuss.net/9/C5845/2012/hessd-9-C5845-2012-supplement.pdf>

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 9, 11487, 2012.