

Interactive comment on “The influence of wind and land evapotranspiration on the variability of moisture sources and precipitation of the Yangtze River Valley” by Astrid Fremme and Harald Sodemann

Anonymous Referee #3

Received and published: 15 March 2019

General comments The authors investigated the moisture sources of the Yangtze River Valley in terms of the land and ocean contributions. It is useful for YRV humidity and precipitation prediction when showing more than half the moisture provided to RYV precipitation through continental recycling, this mechanism. Generally speaking, the paper is well written and documented, the discussion and comparison with precious studies are sufficient, and tables and graphics are well constructed. The few questions and comments I have are listed below in the specific comments to the authors. Specific comments 1. As from the title of this paper, I know that this work focuses on or is

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about “the influence of wind and land evapotranspiration on the variability of moisture sources and precipitation of the Yangtze River Valley”, but I didn’t get any conclusion or statement about the influence of wind and land evapotranspiration on the variability of moisture sources in the abstract. Maybe the 58% contribution of land directly involves the land evapotranspiration, the wind was not mentioned, at least. So I suggest the authors rewritten the abstract or revise the title. 2. Page 4, Line 19-20, is the air parcel trajectory dataset of Läderach and Sodemann available online? If it is, it is better to give the accessible link here. 3. Page 5, Line 21, Fig.2c >Fig. 2d. Please check it. 4. Page 10, Line 1-4, it is better to exchange the order of the Figure 9a and 9b. 5. Page 10, Line 24, Fig.9d >Fig. 9e. Please check it. 6. Page 10, Line 31, I didn’t find any variable involving the “strong solar forcing”. 7. Page 27, Line 31, there are only four driest years showed here (1981, 1985, 2003, 2013). Please check it.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-629>, 2019.

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