

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

Astrid Fremme and Harald Sodemann

astrid.fremme@uib.no

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The authors would like to thank Anonymous Referee 3 for their considerate and useful comments. Following is a response to each of the posed comments:

1. As from the title of this paper, I know that this work focuses on or is 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

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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.

- The title of the manuscript has been changed to "The role of land and ocean evaporation on the variability of precipitation in the Yangtze River Valley" to better reflect the contents.

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.

- The air parcel trajectory dataset of Läderach and Sodemann is not available online, and therefore no link has been included.

3. Page 5, Line 21, Fig.2c - 2d. Please check it.

- The reference to the Fig. 2d was wrong as is now corrected.

4. Page 10, Line 1-4, it is better to exchange the order of the Figure 9a and Fig. 9b.

- The order of panel a and b in Figure 9 were exchanged as suggested.

5. Page 10, Line 24, Fig.9d - 9e. Please check it.

- The reference to the Fig. 9e was wrong as is now corrected.

6. Page 10, Line 31, I didn't find any variable involving the "strong solar forcing".

- The reference to "strong solar forcing" has been changed to "high evaporation rates", and the sentence now reads (Page 11, Line 13-14): "Decreasing winds, high soil moisture, high green leaf area and high evaporation rates in combination lead to a sharp rise in local recycling and a slowed decline in rainfall seasonality in August."

7. Page 27, Line 31, there are only four driest years showed here (1981, 1985, 2003, 2013). Please check it.

- The year 2006 was missing as a dry year in the captions, and has been inserted.

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