

Interactive comment on “Is streamflow increasing? Trends in the coterminous United States” by N. Y. Krakauer and I. Fung

B. van den Hurk (Editor)

hurkvd@knmi.nl

Received and published: 9 July 2008

The revised manuscript and the detailed reply to the reviewers comments have been constructed carefully, and the manuscript can be accepted for publication by HESS after applying some editorial minor corrections. Although the statistical procedures (particularly the sequence of interpolation and regression of the precipitation and runoff data) used in this manuscript differ from the preferred strategy of Marc Bierkens, it is felt that the overall conclusions is supported by the information content in the data used. Replies to the additional reviewers comments are adequate.

A few minor editorial remarks remain (place indications refer to LaTeX document layout of 26 June):

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

- insert "types of" after "other" in the 5th line of the Introduction section
- insert "(2004)" after "Labat et al" at the top of page 2, left column
- replace "control for" by "exclude" in the 2nd line p.2, right column
- insert one line to motivate the gap filling of streamflow data by multiple linear regression (2nd para of 2.1)
- later in this para: the normalization is carried out using standard deviation. Of what quantity? I guess yearly sums. Is that correct?
- replace "that" by "the uncertainty" in the 5th line of p.4, right column (difficult sentence)
- insert "increase" after "continuing" in the last sentence of top para of p.4, r.column
- A confusing remark in page 5, left column, last line: I suspect that the words "runs off rather than" must be deleted, as in the area indicated evaporation (and not runoff) is the main destination of precipitation.
- the remark on seasonality (first para 3.2) can be deleted and is not true: also the temperature effect on evap will have a seasonality, as evap itself has a strong seasonality
- fig 5d: add "global" to the vertical axis title
- insert "strongly" after "fails to increase" in p.8, right col, 3rd sentence (as the regression shows already an increase, which may be expected to continue)

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 5, 785, 2008.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

