

Hydrol. Earth Syst. Sci. Discuss., community comment CC1
<https://doi.org/10.5194/hess-2021-179-CC1>, 2021
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Comment on hess-2021-179

John Ding

Community comment on "Incorporating experimentally derived streamflow contributions into model parameterization to improve discharge prediction" by Andreas Hartmann et al., Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2021-179-CC1>, 2021

I share the concern expressed by Referee Christian Birkel that

"- Figure 5 is quite hard to interpret and I suggest to use a log-scale for streamflow visualization." (In RC1, lines 6 - 7 from the end.)

In addition to a log-transformed discharge variable, $\log Q$, I suggest a Negative Inverse Square Root (NISR)-transformed one, $-1/\sqrt{Q}$, (e.g., Ding, 2020), be used to plot the two monsoon season hydrographs in year 2013 and 2014.

References

Ding, J. (2020). Interactive comment on "HESS Opinions: Improving the evaluation of groundwater representation in continental to global scale models" by Tom Gleeson et al., Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2020-378-SC2>.