

Interactive comment on “Spatio-temporal assessment of annual water-balance model for Upper Ganga Basin” by Anoop Kumar Shukla et al.

Anonymous Referee #1

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The manuscript generates component of annual water balance based on a hydrologic model. The analysis is very routine and there is very little validation of output. Some of the concepts also needs to be corrected such as, the ET is calculated without considering wind and humidity. The manuscript, in this form, is not suitable to be published in HESS.

1. There is no validation for variables such as ET and soil moisture. The authors must validate the model with satellite estimates of ET and soil moisture.
2. There is no specific scientific hypothesis, the article just reports results from some empirical equations without proper analysis.
3. I do not see a proper conclusion coming out of this work.

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4. The write up is extremely poor and needs significant revision.

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