

Hydrol. Earth Syst. Sci. Discuss., referee comment RC1
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Comment on hess-2022-114

Anonymous Referee #1

Referee comment on "On the importance of phenology in the Miombo ecosystem: Evaluation of open-source satellite evaporation models" by Henry Zimba et al., Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2022-114-RC1>, 2022

I have read the manuscript with great interest. Most of my comments are embedded in the pdf cope of the manuscript. Although evaporation monitoring in Africa is of great ecological and hydrological significance, but this study is far from achieving publishable standard. No eddy covariance measurements were available. Authors used two different water balance models to compare the remote sensing evaporation products. The lead author should atleast read good papers before writing. Please check the paper of Trebs et al. (2021) (<https://www.sciencedirect.com/science/article/pii/S0034425721003229>) on how to do error analysis of evaporation models. A recent study of Thakur et al. (2022) also did global sensitivity analysis (<https://www.nature.com/articles/s41598-022-12304-3>). The paper just produced a huge list of figures and without any deep dive. Seeing the impact and prestige of HESS, the paper is inappropriate. My other comments are attached in the pdf.

Please also note the supplement to this comment:

<https://hess.copernicus.org/preprints/hess-2022-114/hess-2022-114-RC1-supplement.pdf>