Comment on essd-2021-115
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Community comment on "Correcting Thornthwaite potential evapotranspiration using a global grid of local coefficients to support temperature-based estimations of reference evapotranspiration and aridity indices" by Vassilis Aschonitis et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2021-115-CC1, 2021

The paper is well-written, and the methods, analyses and results are clearly presented. However, the aim of this study is to correct the formula of monthly Thornthwaite potential evapotranspiration (Ep), maybe the daily reference evapotranspiration more significant. Many many studies had been conducted to explore temperature based reference evapotranspiration model, including classical formula, machine learning model, and deep learning model. In present, the weather variables is more easier obtained than before. Under this condition, maybe correcting monthly potential evapotranspiration model had its significant, but I do not think it is big.