Reply on CC1
Yu Jiu Xiong

Community comment on "A global terrestrial evapotranspiration product based on the three-temperature model with fewer input parameters and no calibration requirement" by Leiyu Yu et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2022-171-CC3, 2022

Thank you for your interest in our work. In fact, validation of the 3T model was performed not only at a monthly scale but also at a daily scale in our previous manuscript. In particular, the discussion that the 3T model-based ET product could accurately capture the low ET values under extreme conditions in section 4.2 used daily ET estimates.

Your comments are similar to those of the second reviewer. We further tested the performance of the 3T model at the daily scale with all EC observations (because the results in Section 4.2 only contain extreme conditions) as well as at the 3-hour temporal scale. The results indicate that the 3T model is robust at different temporal scales. Please see our reply to reviewer 2 for details.