Comment on essd-2022-313
Nancy Swift

Community comment on "High-resolution datasets for lake level changes in the Qinghai-Tibetan Plateau from 2002 to 2021 using multi-altimeter data" by Jiaming Chen et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2022-313-CC1, 2022

I totally agree with the first Anonymous Referee. Below I would like to introduce some interesting works:


This study also provides water level time series of lakes from Li et al. (2019), Zhang et al. (2021), and Xu et al. (2022).


This study provides water level, area and storage variation time series of global lakes/reservoirs/rivers from multisource datasets.


This study provides global lake water storage dynamics using water area and water level from multiple altimeters. However, there are critical comments from referees.

Regarding the increase in the spatial coverage of the lakes you claimed, I doubt its usefulness as there is very little data available for these small lakes. This is the main
reason Hydroweb/other databases (also using multisource satellite altimeters) do not provide time series of water levels for these lakes. This issue may be addressed from future SWOT mission.

Overall, your datasets are neither new nor exhaustive and complete (such as Tourian et al. 2022 and Liu et al. 2022)! I could not see any novelty in your work (new method such as Li et al. 2019 addressed the inter-satellite biases) and a comprehensive validation. For above reasons, I do not support its publication in ESSD.