Comment on essd-2022-211
Anonymous Referee #4

Referee comment on "High-resolution physicochemical dataset of atmospheric aerosols over the Tibetan Plateau and its surroundings" by Xinghua Zhang et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2022-211-RC4, 2022

In this work, a dataset of high-time-resolution (hourly scales) aerosol physicochemical and optical properties at seven different sites over the TP is provided. This study may provide insights into the regional differences of aerosol sources and properties in the vast TP regions. However, I doubt the uniqueness and potential of this dataset.

- First, most observations are collated from publicly available sites, the dataset of which has even been reported in the author’s publications, e.g., Atmospheric Research153 (2015), Atmospheric Chemistry and Physics18 (2017). In addition, I think the author should provide related references regarding these public sites in the manuscript.
- Second, the time span of provided dataset is too short, i.e., less than one year. Therefore, I do not believe this dataset could be useful for other applications such as numerical model simulations.

Collectively, I do not agree its publication in ESSD.