Comment on essd-2021-101
Anonymous Referee #1

Referee comment on "The first global 883 GHz cloud ice survey: IceCube Level 1 data calibration, processing and analysis" by Jie Gong et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2021-101-RC1, 2021

This study presents the first global 883 GHz cloud ice survey, which is important for Earth’s climate and weather (e.g., solid precipitation). The IceCube Level 1 data calibration, processing and analysis have been described in detail. Although I am not an expert in this special research field and could not provide careful comments on details, I believe that this study is a good step in observing, quantifying and understanding the cloud ice globally.