

Earth Syst. Sci. Data Discuss., referee comment RC1  
<https://doi.org/10.5194/essd-2021-101-RC1>, 2021  
© Author(s) 2021. This work is distributed under  
the Creative Commons Attribution 4.0 License.



## **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.