The paper “APCC Data Report I: Black carbon and organic carbon dataset from atmosphere, glaciers, snow cover, precipitation, and lake sediment cores over the Third Pole” by Kang et al., presents a comprehensive summary of data report regarding the field measurements of black carbon and organic carbon in the Tibetan Plateau, known as the Third Pole. Generally, the paper is clear-written, and the dataset is important to the community for investigating the effect of anthropogenic impacts on the carbon cycle and the potential climate feedback in high elevation regions. I only have a few comments before publications:

- There is a lack of descriptions about the data quality control and what methodology has been used for data processing.

- The manuscript lacks discussions about the scientific aspects of this dataset. I understand this is a data description paper but the manuscript in the current form looks more like a technical report, rather than a data paper. I notice there are several plots adapted from previous studies based on this dataset. So it would be necessary to summarize the findings based on this dataset. This would help the readers to understand the importance of this dataset and leverage its key scientific implications.

Specific comments:
Line 390: strikethrough text
Line 518: It’s not necessary to mention ‘which is of great importance to scientific communities worldwide’ as it has been addressed in the introduction.