

Earth Syst. Sci. Data Discuss., referee comment RC1
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Comment on **essd-2021-215**

Anonymous Referee #1

Referee comment on "High temporal resolution hydrometeorological data collected in the tropical Cordillera Blanca, Peru (2004–2020)" by Emilio I. Mateo et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2021-215-RC1>, 2021

The article describes the measurement and collection of hydro-meteorological data at high altitudes in the Cordillera Blanca. The description of the setup and local environmental influences are detailed and complete. Regarding locations of the measurement stations the article could be more precise. However, it is true that equipment in this region is often at risk of theft or vandalism, I think it is unlikely that the persons responsible gather information on ESSD. The presented map (Figure 1) is of good quality, but I would suggest including the streams where gauging stations have been installed (especially since none of the streams seems to be ephemeral).

The presented data set is valuable as especially stream data from small mountain sub-catchments is very rare in Peru. Similar can be said of continuous measurements of meteorological data at these altitude ranges. The data is coherently presented and periods without measurements have been indicated, while explanations are given in the article.

The meteorological stations have been given useful abbreviations in the article but are named slightly more complicated and without these abbreviations within the uploaded data, I would suggest using equal name codes here. The rating curves of each hydrometrical station can be withdrawn from the data. However, for information on uncertainties it would be useful to either name these uncertainties or include the raw discharge measurements in the data set.

Overall, the data set publication is highly appreciated as lack of data due to accessibility and financing is common in Peruvian mountain catchments.