

## ***Interactive comment on “Lake O’Hara alpine hydrological observatory: Hydrological and meteorological dataset, 2004–2017” by Jesse He and Masaki Hayashi***

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I have read with interest the manuscript about Lake O’Hara alpine hydrological observatory and I think that it is offered a very nice and very complete dataset for the Canadian Rockies. Data includes surface and groundwater hydrological and water quality, snow accumulation close to the annual peak and meteorological data from two stations. Such information can be very useful for validation of meteorological and hydrological models under complex topography and snow dominated basins. This is particularly valuable in the frame of the special issue where this article is expected to be allocated. The manuscript is properly written and organized and it contains the in-

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formation necessary to understand the shared data, the quality control performed and potential uncertainties. The access to the data is very straightforward, reaching through .zip folders to excel files with the different datasets. As the data is organized in excel with different sheets is not easy to be handled in an automatic way, but it should not be a big problem for users to prepare themselves the data for their own analyses.

Thus I recommend the publication of the manuscript with two minor comments:

- I think it would be useful to provide in the manuscript a table summarizing the information of the dataset with the periods covered by each type of information. Despite the information is well explained it could help to have a quick idea about the different data offered. - Having a look to the datasets, my impression is that relative humidity data contains some inhomogeneities, 100% of humidity is only reached during short time in one of the stations while in the other is only during a relatively short period the 100% Rh is not reached. This should be checked and corrected or at least discussed in the manuscript.

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