

## ***Interactive comment on “Snow cover dynamics in Andean watersheds of Chile (32.0–39.5° S) during the years 2000–2013” by Alejandra Stehr and Mauricio Aguayo***

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In the next lines we give response to each of the observations done by the referee. 1) Regarding the number and elevation of ground observations, in a revised version of the manuscript we will incorporate more existing measurements, which will allow improving the conclusions. We have only used measurements done by ourselves, DGA data will be incorporated for validation of MOD10A2. 2) We agree with the suggestion, so in a revised version we will compare and discuss results with respect to previously published analysis in Chile (trend in precipitation and temperature). 3) The paper only analyzes snow coverage and not depth, which implicates that more SCA is not necessary more water stored as snow. This is something we can discuss more in detail.

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From the existing data of the DGA, we will evaluate if it is possible to carry out an analysis changes in snow depth for the same period that we have analyze changes in SCA. The analysis will be done only in the watersheds with available data, depending on the length of existing time series. 4) Concerning the time period that was used, they were the data we had available at that time. In case of submitting a revised manuscript we can easily incorporate the last 3 years (2014 - 2016), which will allow approaching the period indicated by the reviewer. 5) English will be reviewed.

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