

## ***Interactive comment on “Snow cover variations across China from 1952–2012” by Xiaodong Huang et al.***

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Dear Prof. Florent Dominé, Enclosed is the revised manuscript. On behalf of all authors, we appreciate your help and the time you paid on our manuscript. We also appreciate the two reviewers for their valuable and constructive comments and suggestions. In the revised manuscript, we have revised our manuscript and answered the questions on a point-by-point basis base on your and reviewer’s comments. The editorial changes for language usage throughout were made by a native English scientific editor in this version. The revised manuscript has made the following changes: 1) The snow data from 2014 to 2019 is collected through our effects, which extend the period from 1951 to 2018. We recalculated and rewrote the results and discussion sections in the revised manuscript. 2) Cause we don’t have the supporting data like

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temperature and precipitation to prove our results in this manuscript. So the reference involved in “global warming” were dropped, and stick to describe the snow cover trends for China only based on professor Connolly’s comments. 3) The snow variations trends are compared with the results from remote sensing observations as well as the simulation results from CMIP5 model. We rewrote the discussion section, and focus on the consistent with other current results to further prove the findings in this study.

Best regards,

Xiaodong Huang

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