

Interactive comment on “Orientation dependent glacial changes at the Tibetan Plateau derived from 2003–2009 ICESat laser altimetry” by V. H. Phan et al.

T. Bolch (Editor)

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Dear authors,

The general aim of this study to provide information about glacier mass changes on the Tibetan Plateau with special emphasis on the effect of terrain characteristics is interesting and would be a suitable addition to the current knowledge about the reaction of Tibetan glaciers to climate change.

However, the major problem of this study is that you did not show convincingly that the ICESat measurements are representative which makes your results and conclusions questionable. This issue was already mentioned by my access review and also high-

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lighted by the reviews and the short comment. Especially reviewer#2 also highlighted that there are several other methodological weaknesses (e.g. applying the GLIMS glacier mask without corrections, missing co-registration of ICESat and SRTM data).

Hence, the manuscript is not acceptable as it is now and I am not sure if the mentioned major concerns can be addressed properly. However, if you can show convincingly in your replies that you are able to do so I will reconsider my decision to reject the paper.

Please do not hesitate to contact me in case you have any questions.

Best regards,

Tobias Bolch – TC Editor

Interactive comment on The Cryosphere Discuss., 8, 2425, 2014.

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8, C1381–C1382, 2014

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