

Reply to Reviewers' comments on manuscript submitted to The Cryosphere by Wu et al.,

First of all, we appreciate Professor Christian Hauck for his constructive and insightful comments and suggestions for this manuscript. We consider all comments and suggestions seriously. All comments are very helpful for further revision of this manuscript. We have made all changes based on the reviewers' comments and suggestion as described below.

We use the red to identify our revised text in our manuscript. Please seeing our manuscript revised.