

## ***Interactive comment on “Monitoring recent variations of the surface displacements of eight Nyainqêntanglha glaciers” by J. Shi and M. Menenti***

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In their paper J. Shi and M. Menenti compared the surface displacements of 8 glaciers in the western Nyainqentanglha Mountains between 1993, 2003 and 2009. I think the authors could strengthen their manuscript by a proper accuracy assessment and a better cartographic presentation of the results.

Figure 1, 4 and 9: I certainly agree to reviewer 1 that the cartographic presentation of Figures 1, 4 and 9 are not state of the art. To my knowledge, the most actual glacier inventory in this region is the one derived by Bolch et al. (2010) which is more accurate

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than the Chinese Glacier Inventory. As Figures 4 and 9 show the main results of the present study much more effort should be put in the cartographic presentation. I think it would be a good idea to show the surface velocities derived on “stable rock”, which should be around zero. This would give a first hint about the accuracy of the results and also could be used in the error-propagation (which is missing!). I also recommend to draw velocity vectors in order to see if the flow direction is appropriate.

A good overview about the actual standard of surface velocity processing from feature tracking is given by Paul et al. (2013).

### References:

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