

**Reviews of the paper tcd-8-4581-2014 resubmitted to The Cryosphere
(Mauro Fischer, corresponding author):**

Dear Martin,

We again want to express our sincere thanks for your work as the scientific editor of the revised version of our paper “Surface elevation and mass changes of all Swiss glaciers 1980–2010.”

We now implemented almost all of your corrections from February 21st 2015 according to your suggestions. Please excuse us for the few points for which we did not do so because of the following reasons:

215-219: the assumed density for volume change may be consistent with that used in other studies – but has it actually be shown to be appropriate in any of these studies – or is it just an assumption?

This is a good point indeed. – However, we do not want to further address this here as this would go too far and refer to the studies mentioned at this point in the manuscript.

557: which correlation is referred to here – not obvious because you refer to multiple indices.

We argue that from the text right above and below and from the explanations given in the caption of Figure 11 it is obvious which correlation is referred to here.

597: in SGI2010

We would rather leave “included in the SGI2010”.

690: What was the source of glacier outlines for the initial period?

We argue that we do not need to specify this there because we did not do this for the SGI2010, either. – The sources of both inventories used are well described in section 2.2.