

Dear Tobias,

Thank you for the detail check.

We have corrected as your comments and all reference, which you indicated, has added in the text and reference list. Revised part were written in red.

**P2L17: Omit “then”.**

We omitted.

**I ask you to consider Böhner (2006) who generated to my knowledge the first gridded precipitation data set for entire High Asia.**

Thank you for the information. I checked the paper, and added in the text and reference list. (P2 L17-20)

**P4L30: Aizen et al. studies only few regions of the Tien Shan. Narama et al. (2010) or the later cited review by Sorg et al. (2012) should also be mentioned here.**

Thank you for the information. I checked those papers, and added in the text and reference list. (P5 L2-3)

**P4L31: The situation in Pamir is not quite clear. Gardner et al. (2013) and Käab et al. (2015) indicate mass loss for most parts of the Pamir.**

Thank you for the information. I have misunderstand. We omitted Pamir. (P5 L3)

**P4L32ff: You may also consider here Neckel et al. (2014).**

Thank you for the information. We added in the text and reference list. (P5 L5)

**P5L2ff: ICESat is a laser altimeter, not a DEM. The elevation changes are measured using ICESat data. SRTM serves a reference as the repeat ICESat tracks do not fully match each other.**

Thank you for the information. We revised to 'by repeat ICESat (Ice, Cloud, and land Elevation Satellite) tracks analysis' (P5 L6-7)

**P5L19: Bolch et al. (2012) show the mean elevation of glaciers in the Himalaya (Fig. S2) which has similar behaviour that the median elevation. Might be worth mentioning.**

Thank you for the information. We added Bolch et al. (2012) in the Text. (P5 L22)

**P5L28: You may include the information about how the “snow line altitude” was estimated (See Shi, 2008, p. 14).**

Thank you for the detail information. We checked the method, and we added that 'Those ELAs was estimated from topographic maps by contour inflection (convex in accumulation area and concave in the ablation area). or from aerial

photos by average height of firn area margin. (P6 L3-5)

**P7L18: “ice-free area in the accumulation area”. The accumulation area should not be ice free. I think it is more correct to refer to the ice free area in accumulation area and it contributing headwalls.**

We have added ' and it contributing headwalls' in P7L26 and L28.

And we also corrected following part. They are also written in red.

P2 L15: changed reference from Fujita and Sakai, (2014) to Fujita and Nuimura, (2011)

P3 L14: Added one reference Fujita 2008b

P8 L29: Added formal name of AWS

P11 L4-5: Added some sentence to explain mass balance calculation

P17 L3: Added one reference Fujita 2008b

Thank you.

Regards,

Akiko