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I A N I G L A  
  
CONICET  
U. N. C U Y O  
G O B I E R N O  
D E M E N D O Z A

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Dear Regula Frauenfelder  
Handling Editor  
The Cryosphere  
Manuscript #TC-2022-264

Thank you very much for your decision. Please find enclosed the revised manuscript with your latest round of enquiries. Please find our response to your specific comments below.  
Thank you very much for your assistance.

1. You introduce an abbreviation for High Mountain Asia in the first sentence of the Introduction. However, you don't use it afterwards. Either you have to use this abbreviation in the rest of the text (thereby replacing High Mountain Asia with HMA) or you should delete the introduced abbreviation in the first sentence.

**L45 We removed the HMA abbreviation as per your suggestion**

2. Please get rid of the outermost bounding box around the figures. This will also allow you to make the figures a few mm larger each, which will increase their readability.

**We eliminated the bounding box in Figures 3, 5, 7 and 8 as requested.**

3. Missing "the"

**L569 Corrected accordingly.**

4. Missing 'region (or range)'

**L569 Here we opted for the term massif, as it is more suitable here in our opinion.**

5. Remove 'in their detailed assessment'

**L723 Removed accordingly**

6. since 1973, with positive values between 2001 and 2009... How can it be "in-balance conditions since 1973" then? Do you mean "mostly in-balance conditions since 1973, however with..."? Please clarify.

**L723 The mass balance value of  $+0.03 \pm 0.10$  m w.e.  $a^{-1}$  between 2001 and 2009 can be seen basically as in-balance, though writing 'slightly positive afterwards can lead to confusion in the context of this sentence. To avoid confusion, we rewrote it to '...while Bhattacharya et al. (2021) found almost balanced conditions since 1973 ( $-0.01 \pm 0.06$  m w.e.  $a^{-1}$  between 1973 and 2001 and  $+0.03 \pm 0.10$  m w.e.  $a^{-1}$  between 2001 and 2009)'**

7. Replace 'and' with 'while'; add missing bracket; replace long dash with short dash



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**L723 Corrected accordingly**

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