

Dear editor and reviewer,

We are very grateful for the valuable comments and suggestions. Accordingly, we have made the following changes to the manuscript.

- 1) All editorial comments from the reviewer and editor have been addressed.
- 2) Fig. 5, Fig. 6, Fig.8, Fig. A2, and Fig. A3 have been refined.
- 3) The comparison of Selin Co's expansion during 2018–2020 with historical values has been moved to the Discussion section.
- 4) Several parts in the manuscripts have been adjusted to condensate the article.
  - Table 1 and Table 2 in the original version have been moved into Appendix.
  - Table 3 and Table 4 have been combined as Table 3 in the revised manuscript.
  - Fig. 6 and Fig. 7 in the original version have been combined as Fig. 6.
  - Sections 2.4-2.6 have been combined.
- 5) Some information has been supplemented.
  - The glacier information in the Selin Co basin has been added to Table 1.
  - The level of agreement between deformation retrieved from orbit 48 and orbit 150 has been stated. The distribution of velocity values from orbit 48 and orbit 150 in their overlapping area is shown in Fig. A4.

Thank you again for your comments and suggestions.

Best regards,

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