

Major comments have been well addressed by the author, there are just a few minor issues need to be modified.

Page 9 line 10: the outperformance during evaluation period could also be related to the shorter length of the timespan.

Page 9 line 15: please add some references to support the opinion.

Page 9 line 31: “for the output snow depth from VIC is actually the sum of snow and glacier/ice” is redundant, delete it.

Page 13 line 31: change “compared” into “comparing”.

Page 14 line 10: since you mentioned other two methods calculating the glacier melt, and meanwhile in line 13 stated “Overly complicated methods probably bring out more uncertainties....more observations are available with the development of technologies in the future, more elaborate separation method is expected” what’s the observed input for these two models, are they overly complicated and with more uncertainty? If not, please modify the deduction since it cannot be reached either based on your study or the studies you referred to.

In the discussion section, please add some references on the similar studies using the proxy method and make a comparison with this study.

Page 18, line 25: please add the year for the reference.