

**Modelled glacier equilibrium line altitudes during mid-Holocene in the southern mid-latitudes**

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The authors have carefully and successfully reorganized their paper. It has now become an interesting, well focused and useful contribution towards a better understanding of the mid-Holocene climate and glacial history of the southern mid-latitudes. Congratulations.

A few minor suggestions may be considered before publishing the paper in CP:

1. Page 3 lines 3 – 5. The details given for this study are a bit decoupled from the else more general summary of glacier dating in the study areas. I would leave such details for chapter 4.4.
2. P 3, l 14: remove the comma.
3. P 3, l 17: either “the/a hypothesis” or “hypotheses”
4. P 4, l 2: Here seems to be the right pace to add the necessary information on why the Pre-Industrial period is chosen as reference.
5. P 4, l 3 – 5: the sentence is a bit awkward; a comma after (MH hereafter) may help.
6. P 5, l 5 and 9 – 14. I would just say “regional ELA” in line 5 and remove the sentence in lines 9 – 14. One cannot expect individual ELAs anyway when using regional model output without downscaling to high resolution local scale.
7. P 5, l 17 – 18: I would remove the statement about the absolute values because it is neither convincing (given the lack of precise ELA assessment for the PI) nor relevant for the study.
8. P 5, l 22 – 23: This sentence is superfluous and can be removed.
9. P 6, l 19: add runoff to melting; only both together contribute to ablation.
10. P 10, l 28: Start the sentence as “PI-ELA estimates ...” for clarity.
11. P 11, l 1: do you refer to “present day” observed values or reconstructed (from moraine observations) PI values?
12. Figures 7 and 8: insert fonts are too small