

Dear Editor,

I have now made all of the technical very minor comments/corrections you requested, detailed as follows. Because these are minor, I have not included a marked up version of the paper in this reply.

Changes:

p. 3. Line 57: typo, delete the 's' after 'those'

done

p. 5: citation of figure 3 (line 106) is now first and before figure 2 (line 108), so maybe swap the order of the two figures.

done, and all references to these figures changed accordingly

p. 17 line 425: 'GREAT stability' is a bit awkward, maybe '...clearly exhibited stability' is better.

done

p. 21 line 526: the full stop should be AFTER the bracket instead of before! E.g. '...ramp).'

The text is correct as it stands. Full stops should be inside brackets if the brackets contain a complete sentence, outside if the brackets contain part of a sentence.

p. 24 line 610: this sentence ((cut-closure dominant process) probably only applies for 'debris covered area', if so should be made clear here.

wording changed to make this point clear

in acknowledgments: maybe acknowledge input from referees.

done

Fig. 1: improve resolution/quality of Figure in final submission, any lines/writing are pretty blurred and the writing in the inset figure is almost unreadable.

The full resolution figure file is included in the submission

Fig. 4: clarify in caption the difference between grey filled and white filled (white dashed lines). I guess they refer to upper versus lower level width of the channel. Further, first line in caption (line 917): change text to '...sections of englacial conduit...' (rather than '...sections. englacial conduit...').

Text has been added to the caption to explain all symbols.

Fig. 6: the solid outlined channel refers to upper level outlines but then the I assume the drawn boulders are probably lying on floor. So with upper level it means still the floor of the channel and not the ceiling?

Text added for clarification.

Fig. 8 caption (line 937-938): I would rather say '...b) velocity difference between 'annual' period (29 Jan. 2015 to 5 Jan 2016') and 'winter' period (19 Sept 2014 and 18 Jan 2015), indicating...'

done

Fig. 9: again improve resolution/quality of figure in final submission, right now I can not see any crevasses (only guess them). Further, crevasses probably occur AROUND the red line (not just AT the redline). the redline does probably refer

text has been modified to clarify what the image shows, and the meaning of the red line.

Fig. 11: again, improve resolution/quality of Figure in final submission, any lines/writing are pretty blurred and the labels hard to read.

The full resolution figure file is included in the submission

with best wishes,

Doug Benn