

Dear Professor Kang,

Thank you for your responses and revisions. I have a few grammatical corrections in the new text which are detailed below. There are also 3 comments which didn't seem to be addressed in the manuscript. Please see details below and submit your responses and revisions.

Regards,

Becky

Grammar or missing information:

- Page 5 line 5: should read "density was measuring by weighing a specific volume of snow"
- Page 6 line 31: "dose nor included biofuel use and trash burning" should read "does not include biofuel use or trash burning"
- Page 12 line 23: Remove "as these"
- Page 12 line 24-25: Replace sentence beginning with "However" with "It is difficult to sample during the ablation season due to poor accessibility" or some other grammatically correct sentence.
- Page 12 line 25-26: Is this true for all seasons or a specific season? Indicate which season(s).
- Page 12 lines 26-27: I think you mean "Discontinuous", not "Discontinued". Put "the" before "melting". Replace "be a problem" with "also make it difficult"
- Page 12 lines 27-28: Remove this sentence. It doesn't make sense and it seems unnecessary.
- Page 12 line 31: Replace "tended to mix" with "is mixed"

Responses:

- My comment starting with "Page 7 lines 24-28". This paragraph should be added to the manuscript. Replace "consider" with "considered" and remove the last sentence.
- My comment starting with Page 8 line 8: I don't see any references on page 8 line 14.
- My comment starting with Page 9 line 20: I understood that half meant 50%. My question was how did you determine these percentages (50, 30, and 70%)?