

Second Review of "Investigating the influence of changing ice surfaces on gravity wave formation impacting glacier boundary-layer flow with large-eddy simulations" by Goger et al.

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The authors have sufficiently improved the manuscript. I just have some (last) minor comments.

Minor Comments

1. Figure 1: Could you enlarge the cross to enhance the visibility?
2. l. 127f.: Could you check the sentence structure?
3. Figure 3: Please check the panel attribution to the simulation cases in the caption.
4. Figure 4: x-axis label in i-l) should be l^2
5. Figure 5: Please check the panel attribution to the simulation cases in the caption.
6. Figure 6 caption: swap "black point" and "black cross"
7. l. 307: two times "the"
8. l. 308: "... REF simulation in compared to ..."
9. Figure 7: add dashed blue lines in NO_UP column
10. l. 313f. The reasoning here is still unclear to me. Why are the sensible heat fluxes strongly dependent on wind *speed as the surface temperature is 0°C*? In the Monin–Obukhov formula, wind speed is just a factor equally important as the temperature difference and the stability correction, right? Do you mean wind *direction*?

11. l 316f. Figure 7b shows a positive difference between NO_UP and REF, which indicates *weaker* negative fluxes in NO_UP, right?
12. Figure 8: 12 : 00, j-l (not i)
13. Figure 9a: label right y-axis (wind direction)
14. l. 358f.: Isn't there both cooling and warming of the atmosphere above 2850m a.m.s.l. between 09 : 00 and 12 : 00?
15. Figure 10 right column: What does "net" refer to? Should it not be the sum of advective and vertical heat flux divergence contributions (as stated in eq. 5)?
16. l. 373: Fig. 11d instead of 11c?
17. l. 374: The authors refer to warm air advection shown in Fig. 9. But in Fig. 10b and e cold air advection is indicated in the profiles.
18. l. 377f.: Could the authors comment on the cooling pattern visible in Fig. 11d and e at the very bottom of the domain at higher elevations?