Responses to editor

Figure 2 Outline: changed to plural

Page 13, Line 4 Indeed using a sloping plane for Z_{ela} , as done by Adalgeirsdóttir et al (2003) would have been a possible way to create a north-south gradient in precipitation. Today in the Alps, ELA depends on distance from the main weather divide (e.g., Huss et al., 2015) with lower ELA closer to the divide. This could probably be quantified using available data for the climate of the last 50–100 years of so. How to do that at the LGM is unclear; different weather pattern may have produced a different distribution of ELA. Clearly there was a stronger north-south gradient than today. Until higher resolution regional climate simulations for the LGM yield the precipitation and temperature distribution at a sufficiently fine resolution to estimate the distribution of elevation of the ELA, this may prove to be a difficult task. However, we keep this idea in mind for the future when such simulation become available and added a sentence in the manuscript to cite the work of Adalgeirsdóttir et al.

Page 15, Line 11. Weertman 1961 reference added.

Page 18, Line 5. Word change. Done.