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Interactive comment on "Present and future changes in winter climate indices relevant for access disruptions in Troms, northern Norway" *by* Anita Verpe Dyrrdal et al.

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Dear Frank Techel (Referee #1)

We would like to thank you for the very thorough review and valuable feedback on our manuscript. We greatly appreciate the time and effort you have put into this. We agree to a large degree on your suggestions, and try to meet these as best we can. We have done a major rewriting and restructuring of the manuscript, and hope to have clarified many of the issues raised. The introduction and definition of weather indices are more specifically linked to access disruptions, e.g. through difficult road conditions, as well as snow avalanches and slushflows, including relevant literature. In the Results

section we now present each index separately, with past and future changes following each other, and for the whole of Troms followed by the Focus areas with selected high and low elevation bands. As suggested, we now highlight some absolute values in the results. Uncertainties are to a greater extent discussed in Section 5, including uncertainties associated with data and methods, and particularly the climate and hydrological projections. Please refer to our answers to your questions and comments in the attached pdf (nhess-2019-188-RC1-Response-from-authors).

Please also note the supplement to this comment:
https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2019-188/nhess-2019-188-AC1-supplement.pdf

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2019-188, 2019.