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Interactive comment on "Precipitation and ice core δD-δ^{18}O line slopes and their climatological significance" *by* Ben G. Kopec et al.

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Dear Editor and Reviewers,

With this letter, we are submitting a response to reviewer comments for the manuscript (CP-2019-74) entitled "Precipitation and ice core δD-δ18O line slopes and their climatological significance" for consideration for publication in Climate of the Past. We thank the reviewers for providing useful comments that will lead to an overall improvement of the manuscript. We hope that our responses have effectively addressed the criticisms of the reviewers.

Prior to addressing the individual comments, we would like to raise one broader concern to the editor. There are a number of questions raised by each reviewer related

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to issues that have been previously addressed by an earlier study from some of the authors of this manuscript. The manuscript Kopec et al. (2019), of which three of the authors to this manuscript are a part, examines the precipitation isotope record at Summit that provides the basis for much of the new work presented in this manuscript. While we recognize that some of the discussion presented in this manuscript should be put more into context of the range of work that has been previously published, and we will certainly do so in a revised version, we do not think that it is necessary to rearticulate the same arguments here that are presented in Kopec et al. (2019). In our responses below we identify a number of places where a given argument by the reviewer has been previously addressed. We are certainly open to adding more discussion to this manuscript as needed to ensure we fairly acknowledge the many important studies conducted before us, but we would like to know if this approach is acceptable to the Editor.

In the Supplement Document, we provide a point-by-point response to each comment by the reviewers. We quote and italicize each Reviewer comment, and then state our responses below each comment.

Please also note the supplement to this comment:
https://www.clim-past-discuss.net/cp-2019-74/cp-2019-74-AC1-supplement.pdf

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