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Brief Reply on RC1

William Colgan et al.

Author comment on "Design and Performance of the Hotrod Melt-Tip Ice-Drilling System"
by William Colgan et al., Geosci. Instrum. Method. Data Syst. Discuss.,
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I acknowledge that our lightweight hot-point drill is not fundamentally different from predecessors. However, the novel focus of this manuscript is on reproducibility and open hardware, something not done in other existing publications, and less on novel science results, which will be published elsewhere. Other groups have certainly drilled deeper with hot points, but our system description is the first to provide open-access computer-aided designs (CADs) of the melt tip and winch. This provides a previously unavailable level of engineering reproducibility, which is especially valuable for reducing barriers to new groups entering the sphere of melt-tip drilling.