

The Cryosphere Discuss., referee comment RC1  
<https://doi.org/10.5194/tc-2022-100-RC1>, 2022  
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## **Comment on tc-2022-100**

Kris Zacny (Referee)

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Referee comment on "Brief communication: New sonde to unravel the mystery of polar subglacial lakes" by Youhong Sun et al., The Cryosphere Discuss.,  
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This is an excellent paper which illustrates development and testing of a melt probe that can be recovered.

If the space allows, it might be good to provide more technical details such as structure of the cable (eg number of wires, redundant wires?, shield), what voltage was used to sent power down to the probe (some kind of an electrical block diagram would be useful), how the tensioning mechanism worked, which parts of the probe were flooded, which were dry, was the water sample analyzed in a lab to reveal something interesting?