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Dear The Cryosphere Editor,

Please find enclosed the accepted version of the manuscript TC-2020-187. Compared to the version submitted on October 23<sup>rd</sup> 2020, we made two minor changes. As requested by R. Mott in her report, we replaced Grunewald by Grünewald at L 458 to be consistent with the name is the reference list. We also changed the reference to Pomeroy and Gray (1995) in the reference list to properly refer to the book.

Sincerely yours,

Vincent Vionnet and co-authors.