

The Cryosphere Discuss., referee comment RC1 https://doi.org/10.5194/tc-2022-40-RC1, 2022 © Author(s) 2022. This work is distributed under the Creative Commons Attribution 4.0 License.

Review of MacGregor et al "GBaTSv2: A revised synthesis of the likely basal thermal state of the Greenland Ice Sheet"

Andy Aschwanden (Referee)

Referee comment on "GBaTSv2: a revised synthesis of the likely basal thermal state of the Greenland Ice Sheet" by Joseph A. MacGregor et al., The Cryosphere Discuss., https://doi.org/10.5194/tc-2022-40-RC1, 2022

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With >100 citations on Scopus, the manuscript describing GBaTSv1 has been a huge success, demonstrating a clear community need. I applaud the authors for their (most likely tedious) effort of updating the product and making it again available to the community; I have no doubt that GBaTSv2 will become equally successful as its predecessor.

The methodology closely follows v1, and any deviations are carefully motivated. This facilitates comparison to v1 and also makes reviewing this manuscript relatively easy. The author's writing is, as usual, impeccable and shows attention to detail, making the manuscript a breeze to read.

I only have	a handful	of technical	comments,	see below.

Best,

Andy Aschwanden, University of Alaska Fairbanks

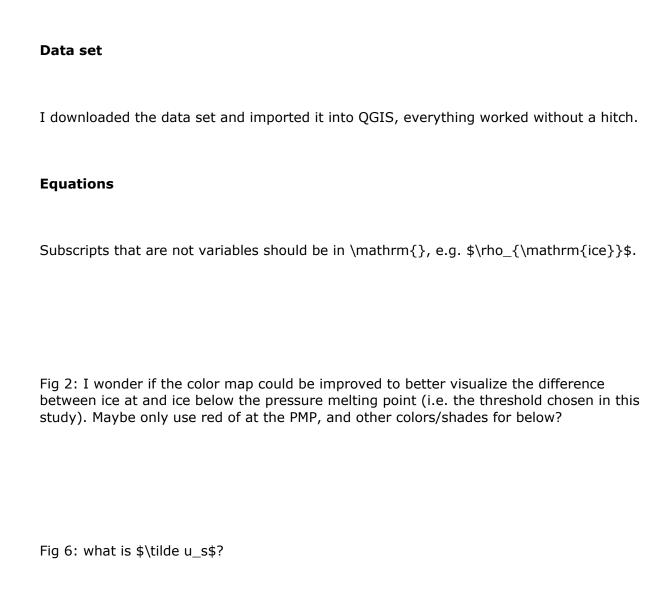


Fig 7. May I suggest to use line colors that are color-blind friendly? See

https://colorbrewer2.org for inspiration.