

Interactive comment on “Heterogenous CO₂ and CH₄ content of glacial meltwater of the Greenland Ice Sheet and implications for subglacial carbon processes” by Andrea J. Pain et al.

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A small comment about the place names used in this paper:

The authors refer to their northernmost site as "the Isunnguata glacier" and subsequently as simply "Isunnguata". The place name of the site is Isunnguata Sermia. Sermia meaning Glacier in Greenlandic. It is the same word that appears in their other Greenlandic place name Kiattut Sermiat, but in a different grammatical form. The authors should either include Sermia/Sermiat in both place names or drop it from both (as they have from Russell Glacier). However, Isunnguata or Kiattut are nonsensical phrases in Greenlandic on their own, so the former would be a better option. The

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authors should also fix the spelling of Kiattut Sermiat in figure 2.

When discussing Isunnuguata Sermia, the authors should make it clear that they are discussing the glacier's southern lateral outlet, not the terminal outlet. The terminal outlet is connected to a deep subglacial trough and fed from an $\sim 16,000 \text{ km}^2$ catchment, whereas the lateral outlet seems to have a much more local source. Without this distinction, readers may incorrectly relate your results to this larger catchment.

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