

Anonymous Referee #1

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This is a really nice paper that describes an analysis of new field measurements combined with model output to examine the somewhat problematic question of the existence (or not) of the EGC north of Fram Strait. I only have a few minor comments for the authors.

We thank the reviewer for their very supportive review. We have addressed their comments as detailed below and hope that the manuscript can now be accepted.

p 1 L 11, suggest rephrase, e.g. the proportion of directly- or indirectly-sourced AW also increases fourfold, from ~20% to ~80%.

We thank the reviewer for helping to improve the abstract. We have rephrased the abstract accordingly. Page 1, line 11.

p 1 L 21, terminology: NEGIS vs. 79N glacier?

The NEGIS (North East Greenland Ice Stream) is a velocity structure in the Greenland ice shield, the 79N Glacier is one of the glaciers which discharges ice from this ice stream into the ocean. We thank the reviewers for pointing out that the term 79N Glacier is not mentioned in the introduction. We have amended this on page 1, line 22 and page 14, line 26 and believe that the terminology is now made sufficiently clear.

General question: I think the "further study" text (p 16 L 3) is rather narrowly expressed, meaning you confine your comments to your study region. There are surely larger questions concerning processes and continuity northwards of and outside the region? I invite the authors to add something on this.

We thank the reviewer for this suggestion and have broadened the "further study" paragraph on page 17, line 3 to 6. We hope that the paragraph now reflects the many connections our study has to other fields of research whilst remaining concise.