

Interactive comment on “Greenland Ice Sheet solid ice discharge from 1986 through 2019” by Kenneth D. Mankoff et al.

Anonymous Referee #2

Received and published: 18 February 2020

Summary: The manuscript has been modified from a previous version to account for updates to velocity datasets used for the analysis and their impacts on results. The updates are quite minor and I recommend only a few minor technical corrections below.

Technical Corrections: -It would be helpful to add a sentence explaining why the updated datasets result in a decrease in the number of pixels (and glaciers, and regions) included in the analysis. It's unclear why presumably improved velocity data would decrease the number of velocity pixels used in the flux calculations.

-Was the change from 6 day coverage to 12 day coverage a change in the dataset or was this an error that had previously made it through review?

-In reading the tracked version of the manuscript, there were a few places where the

C1

text was a little difficult to read. Most of these places would benefit from a comma. In others the wording is awkward. For example, in the abstract "and the southeast 2017 through 2019" seems odd. Please go through the text and check the sentence structure where you've made revisions.

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2019-240>,
2020.

C2