

Interactive comment on “Brief communication “The aerophotogrammetric map of Greenland ice masses”” by M. Citterio and A. P. Ahlstrøm

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This paper presents an important new data set that extends the map of Greenland ice back two decades, and is therefore important for change assessments. The paper has a good structure overall.

Detailed comments:

- Precision: the reported area numbers have too many significant figures, given the uncertainties. For example, 88083 +- 1240 should be 88100 +- 1240. The "1240" is probably too precise as well, though it's not clear to me what it should be.
- Unit use in abstract: 88100 km² +- 1240 km², or (88100 +- 1240) km²

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- Page 3892, Line 16: high detail ==> highly detailed
- page 3893, Line 3: delete "very"
- Line 9: ERS-1 SAR data were used as well.
- Line 26: Move "overall" in the sentence beginning with the word "Ambiguities", to read "Ambiguities can arise in some local settings, and overall we have been more conservative than Rastner ..."
- Page 3894, Line 8: The focal length is given, but this doesn't mean much without the film size. What is the film size?
- Page 3895, Line 6: Change "ice-contact" to "proglacial and ice-marginal".
- Line 19: Change "unitary" to "single".
- Line 21: Please explain how ice divides were determined.
- Page 3896, Line 26: "exist" ==> "exists"
- Page 3897, Line 13: Change "very large areas" with "large sub-areas of Greenland".
- Line 21: Should "add" be "at"?
- Line 22: Change "retrieve" to "calculate".
- Line 23: Change ", which was" to "to be".
- Express changes in area as percentages.
- Page 3900, Line 13: Correct representation of Valentina Radić's name.
- A figure showing an example of the maps would be useful, if it is possible to reproduce a small part.

Interactive comment on The Cryosphere Discuss., 6, 3891, 2012.

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