

The Cryosphere Discuss., referee comment RC1
<https://doi.org/10.5194/tc-2022-14-RC1>, 2022
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Comment on tc-2022-14

Anonymous Referee #1

Referee comment on "Halving of Swiss glacier volume since 1931 observed from terrestrial image photogrammetry" by Erik Schytt Mannerfelt et al., The Cryosphere Discuss., <https://doi.org/10.5194/tc-2022-14-RC1>, 2022

This is an important and valuable contribution to the analysis of 20th century glacier changes prior to the advent of satellite imagery, and the results are significant. I have only a few minor mostly grammatical suggestions as below:

Abstract: line 4: '1931 on average' .. this implies the number of photos are distributed evenly around this date, but this is not demonstrated. It is perhaps safer to describe 1931 as the median year as they have done subsequently.

Line 26 and 396 'Whilst' : this word is rarely used in normal English, and never in American English. The authors would be better to replace this with the more standard 'while'.

Line 55-56: which is of -> which are

99: cartographic mapping ... simply replace with mapping (cartographic is redundant)

103: dozens of -> dozen

115: delete 'being'

124 delete 'used'

129: allows -> allow

215: delete 'the'

325: are was of -> area was

326: delete 'of'

340 as-> than

428: delete 'compared to 2016' ...

... and change: a third's reduction in areal cover to ... reduction in areal cover by a third

Figures 1,2,4,5,6,10: coordinates are given but not explained. The reader can only assume they are a Swiss coordinate system (LV95 ?), but this should be noted in at least Figure 1.