

Interactive comment on “Sensitivity of snow density and specific surface area measured by microtomography to different image processing algorithms” by P. Hagenmuller et al.

Anonymous Referee #1

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This is a very good designed study. The authors compared different image processing algorithms to calculate density and specific surface area (SSA) using microtomography image of snow samples, then they summarized the influence of each procedure on the calculation results. In addition, they suggested the several recommendations to derive density and SSA from microtomographic data. I do not doubt that their study will give large contributions to advance on the study in snow microstructure using μ -CT. Therefore, it is worthy of publication in The TC. The logic in the manuscript is well organized and I did not find any contradiction. Before acceptance, only one thing, which is shown in the comment, should be confirmed.

Comments Figure 4: The value of L1 of (a) (0.006) is smallest, is it true? From the

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figures, I guess the value of L1 of (a) should be largest.

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