

Interactive comment on "Optical properties of laboratory grown sea ice doped with light absorbing impurities (black carbon)" by Amelia A. Marks et al.

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The authors would like to thank S. Doherty for their comment on the paper "Optical properties of laboratory grown sea ice doped with light absorbing impurities (black carbon)."

A (likely) correction to the Abstract: "Particulate black carbon at mass ratios of 75, 150 and 300 ng/g in a 5 cm ice layer lowers the albedo by 97%, 90%, and 79% compared to clean ice at a wavelength of 500 nm." I believe that the authors mean that it "lowers the albedo to (i.e. not "by") 97%, 90% and 79%" – or some other wording adjustment is needed. Lowering it *by* 97% would make for some

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very black ice indeed!

They are correct in their comment on the wording and this has been changed in the revised manuscript to say "to" instead of "by".

Interactive comment on The Cryosphere Discuss., https://doi.org/10.5194/tc-2017-76, 2017.