

Interactive comment on “Brief communication: An alternative method for estimating the scavenging efficiency of black carbon by meltwater over sea ice” by Tingfeng Dou et al.

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Received and published: 1 October 2019

-Response: In order to make the MS more focused, the sites in Svalbard and Greenland in original figure 1 were removed. The observational locations in the 3rd Chinese Arctic Expedition and the first Chinese expedition hiking through the North Pole are retained because we observed ice layer over sea ice in these regions, which effectively extended the application scope of this new method. Please also see the response to your main comments.

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2019-147>, 2019.