Atmos. Chem. Phys. Discuss.,
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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Investigating the Impact of Aerosol Deposition on Snow Melt over the Greenland Ice Sheet Using a Large-Ensemble Kernel" *by* Yang Li and Mark G. Flanner

Anonymous Referee #3

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The melting of the Greenland ice sheet is a big concern to global societies. Black carbon and other light absorbing constituents could be one of the most vital factors leading to the melting. The topic of the work is important in science. However, the work itself is purely a computed game based on amounts of presumptions. It is suggested that the investigators going to the field to do some measurements in the surface snow or firn and to know the exact seasonality of black-carbon deposition and then do the simulations back to the lab.

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Discussion paper