

Interactive comment on “Arctic aerosol net indirect effects on thin, mid-altitude, liquid-bearing clouds” by Lauren M. Zamora et al.

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This manuscript is very interesting and constitutes a unique contribution to the better understanding of aerosol indirect effect on Arctic clouds, given the key findings revealed by the combined CALIOP-CLOUDSAT data. I have one minor comments the authors can consider in the revision, which is as follows:

Page 2, lines 6-7: "3) the complexity of cloud responses to aerosol type and amount,"
At least the following two papers can be cited to benefit the readers.

Chen T.M., Guo J.P., Z. Li, C. Zhao, H. Liu, M. Cribb, F. Wang, and J. He. A CloudSat perspective on the cloud climatology and its association with aerosol perturbation in the vertical over East China, *J. Atmos. Sci.*, 73, 3599–3616, doi:10.1175/JAS-D-15-0309.1.2016.

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Discussion paper



Fan, J., Wang, Y., Rosenfeld, D., Liu, X.. Review of Aerosol–Cloud Interactions: Mechanisms, Significance, and Challenges. *Journal of the Atmospheric Sciences* 73, 11, 4221-4252,2016.

Interactive comment on *Atmos. Chem. Phys. Discuss.*, doi:10.5194/acp-2016-1037, 2016.

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