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Interactive comment on "Source attribution of light-absorbing impurities in seasonal snow across northern China" *by* R. Zhang et al.

J. Ming

petermingjing@hotmail.com

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This is a nice exploration of the source of black carbon and dust deposited in seasonal snow in northern China, and can provide a benefitial discussion on the transport and sourcing of pollutants to the readers, via a PMF model tool. I think this work should be appeared formally in ACP. And I have some other comments on the issues of scientific principles on wide broadcasting.

In northern China, the glaciers on Tienshan Mountains can be included in the snow cover. Some scientists in CAS of Lanzhou and Beijing have done very magnificent works on these highly elevated glaciers, including taking snow and ice samples, measuring black carbon and other species in them, and assessing their impacts on the melting of the glaceirs. Of course, their work deserved to be respected here. What's

more important, the results in their work can be a great supplement to this work and make it more comprehensive and believing, if these studies were fully reviewed in your paper. Here I can provide you some refereces.

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