

***Interactive comment on “Source identification of short-lived air pollutants in the Arctic using statistical analysis of measurement data and particle dispersion model output” by D. Hirdman et al.***

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In the revised version of the paper which will be submitted to ACP, we have made some mostly minor changes of the text to address the reviewer comments.

A more important change has been made in Fig. 1, since we have discovered that the ST fields in the ACPD version of the manuscript had not been normalized with the total number of fields (cases) available. Since the periods over which the transport climatologies were derived were exactly the same for all the four stations, this is only

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a matter of scaling and does not change the patterns found or our interpretations of these. However, for future reference (comparison with future work) the revised version of Fig. 1, with values normalized by the number of cases will be more useful.

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