

Interactive comment on “Step changes in persistent organic pollutants over the Arctic and their implications” by Y. Zhao et al.

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We would like to thank the Anonymous Referee #1 for his/her comments. Listed below are point-by-point replies to the reviewer’s comments.

Reviewer comments: I think the authors have taken into consideration previous comments by this reviewer. The paper studies important data and applies carefully several tools to explore them. This approach is very useful, and detailed study of valuable data is central for science and policy. For future work it might be positive to relate these data to other types of data such as emissions or meteorology to advance in the understanding of the possible attribution of observed features in the time series to processes driving them.

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Response: We appreciate the reviewer’s suggestions to extend present study to further elucidate other processes from emission and meteorology contributing to the step changes in ambient POPs time series. Related studies are underway and planned.

Interactive comment on Atmos. Chem. Phys. Discuss., 15, 1225, 2015.

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