Interactive comment on “Sensitivities of NO\textsubscript{x} transformation and the effects on surface ozone and nitrate” by H. Lei and J. X. L. Wang

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First of all, thanks for the suggestion on revision. Your comments are very good. However, we may not revise it in that way. The way that you suggested can make the manuscript a good paper to publish. While, it downgrade the value of this study.

We all talked about NO\textsubscript{x} transformation. “People think that we understand the transformation of NO\textsubscript{x}, but in fact we don’t”. I discussed this paper with a senior scientist from UCAR specialized in NO\textsubscript{x} chemistry two days ago. The discussion deeply convince me the value of this study. CAM-Chem results in this paper totally agree with his box model results. I will deeply revise it and may discuss it with more scientists specialized in NO\textsubscript{x} chemistry.

Anyway, thank you very much for your good suggestion, careful reading and thinking on this manuscript. Especially, thanks for your wish to help.