

***Interactive comment on “Tropospheric temperature response to stratospheric ozone recovery in the 21st century” by Y. Hu et al.***

**Anonymous Referee #1**

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Authors faithfully addressed all of my concerns. The key reason for major revision was significant test which was missing in the original manuscript. In the revised version, it is clearly shown that ozone-related temperature change is statistically significant in most regions. Discussion is also extended by including scatter plot. Regarding model sensitivity test, I agree with authors that it would take quite a long time and should be presented in a separate paper. In fact, it was just a suggestion.

In short, I am happy to see this paper to be published. I am sure that this paper extends our current knowledge of global warming and its association with stratospheric processes. I also believe that the result of this study is very important and will be highly

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recognized by the community.

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Interactive comment on Atmos. Chem. Phys. Discuss., 10, 22019, 2010.

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