

Atmos. Chem. Phys. Discuss., referee comment RC1  
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## **Comment on acp-2020-1198**

Laura Gallardo (Referee)

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Referee comment on "Investigations on the anthropogenic reversal of the natural ozone gradient between northern and southern midlatitudes" by David D. Parrish et al., Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2020-1198-RC1>, 2021

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In my view, this is an excellent paper that combines observations and model outputs in a manner that illustrates the complex phenomena driving ozone changes since pre-industrial times, and highlights what should become a standard test for current Earth System Models aimed at estimating anthropogenic climate forcing. After minor revisions, I warmly recommend publication in ACP.

I leave a few comments suggesting some clarifications.

Please also note the supplement to this comment:

<https://acp.copernicus.org/preprints/acp-2020-1198/acp-2020-1198-RC1-supplement.pdf>