

Atmos. Chem. Phys. Discuss., referee comment RC1
<https://doi.org/10.5194/acp-2020-1198-RC1>, 2021
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Comment on acp-2020-1198

Laura Gallardo (Referee)

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

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>