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## Interactive comment on "A tropospheric pathway of the stratospheric quasi-biennial oscillation (QBO) impact on the boreal winter polar vortex" by Koji Yamazaki et al.

## Koji Yamazaki et al.

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Reply is sent as supplement pdf file.

Please also note the supplement to this comment: https://www.atmos-chem-phys-discuss.net/acp-2019-1119/acp-2019-1119-AC3-supplement.pdf

Interactive comment on Atmos. Chem. Phys. Discuss.,  $https://doi.org/10.5194/acp-2019-1119, \\ 2020.$ 

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