

Interactive comment on “Stratospheric ozone trends for 1985–2018: sensitivity to recent large variability” by William T. Ball et al.

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Two paper by Diallo et al. (2018) and (2019) recently published in ACP discusses the combined influence of QBO and ENSO on the UTLS ozone and water vapour distributions using a lagged multiple regression analysis. A reference to these paper should be included along with a discussion of the added scientific value of the results presented here.

The papers are accessible here:

1. Diallo, M., Riese, M., Birner, T., Konopka, P., Müller, R., Hegglin, M. I., Santee, M. L., Baldwin, M., Legras, B., and Ploeger, F.: Response of stratospheric water vapor and ozone to the unusual timing of El Niño and the QBO disruption in 2015–2016, Atmos.

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Discussion paper



Chem. Phys., 18, 13055-13073, <https://doi.org/10.5194/acp-18-13055-2018>, 2018.

2. Diallo, M., Konopka, P., Santee, M. L., Müller, R., Tao, M., Walker, K. A., Legras, B., Riese, M., Ern, M., and Ploeger, F.: Structural changes in the shallow and transition branch of the Brewer–Dobson circulation induced by El Niño, Atmos. Chem. Phys., 19, 425-446, <https://doi.org/10.5194/acp-19-425-2019>, 2019.

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-243>, 2019.

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