

Response to Aristeidis Georgoulas

Thank you for your useful suggestions. Our answers follow your comments (in *Italics*).

Comments/suggestions:

Dear authors, in support of your results I would like to bring your attention to a recent study on satellite-based tropospheric NO₂ trends and trend reversals (1996-2017). In this study, it is shown that several regions in the US experienced a trend reversal around the period 2000 from positive or neutral trends to negative ones. There are also results for selected megacities in the US (e.g. Los Angeles).

Georgoulas, A. K., van der A, R. J., Stammes, P., Boersma, K. F., and Eskes, H. J.:

Trends and trend reversal detection in 2 decades of tropospheric NO₂ satellite observations, Atmos. Chem. Phys., 19, 6269-6294, <https://doi.org/10.5194/acp-19-6269-2019>, 2019.

Reply:

Thank you for providing a useful reference. We cited the paper in Line 46 in the revised manuscript.