



Supplement of

Assessment of regional and interannual variations in tropospheric ozone in chemical reanalyses

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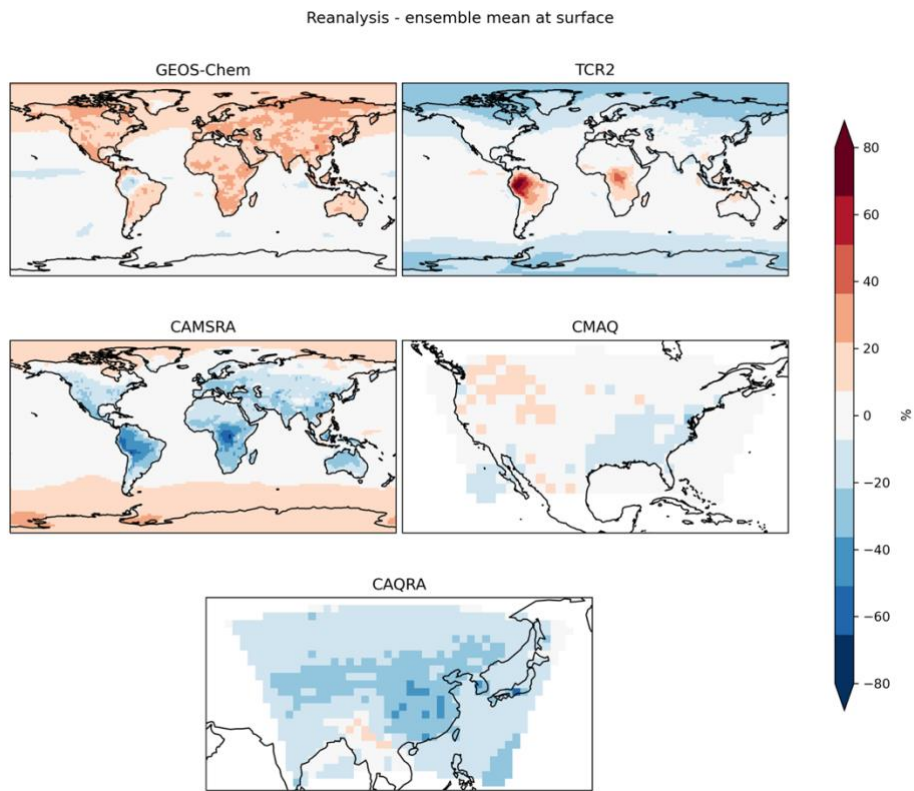


Figure S1. Relative mean differences (percent) between ozone in the individual reanalyses and the ensemble mean at the surface.

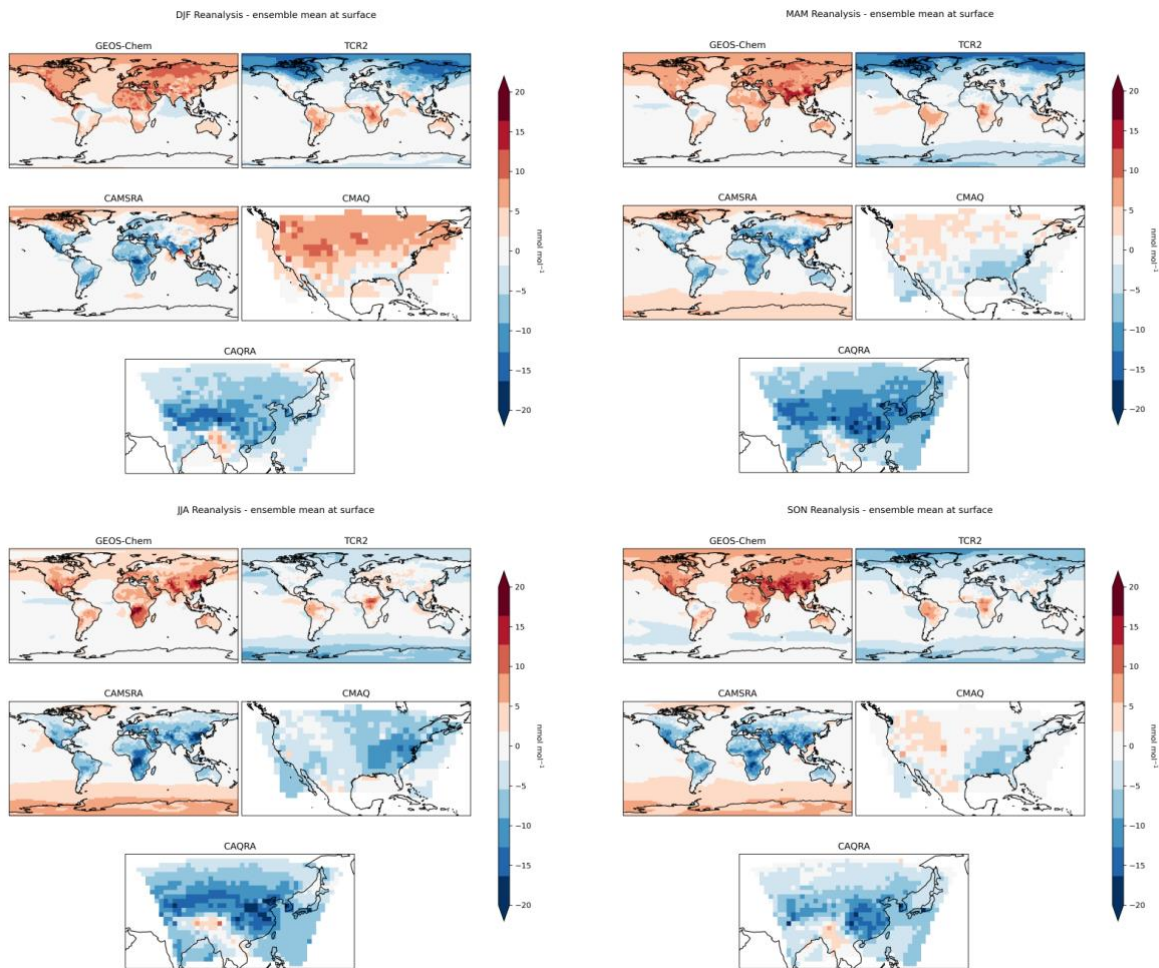


Figure S2. Seasonal mean differences (nmol mol^{-1}) between ozone in the individual reanalyses and the ensemble mean at the surface.

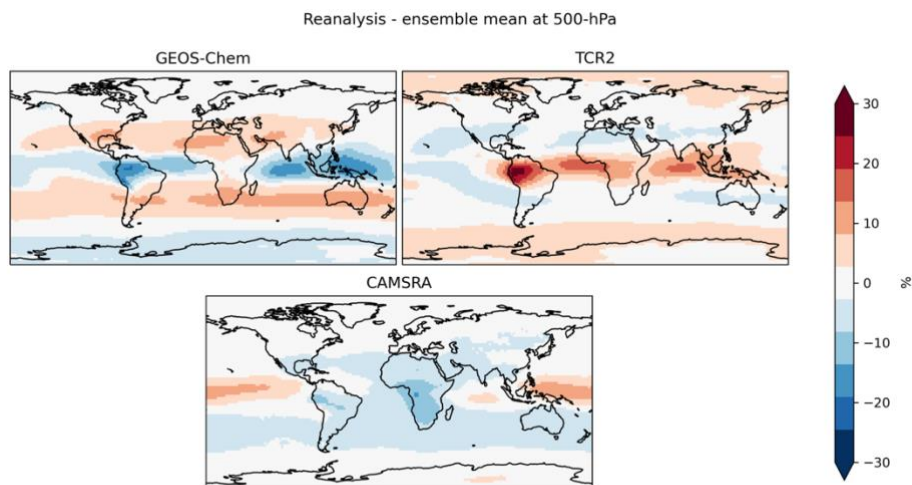


Figure S3. Relative mean differences (percent) between ozone in the individual reanalyses and the ensemble mean at 500 hPa.

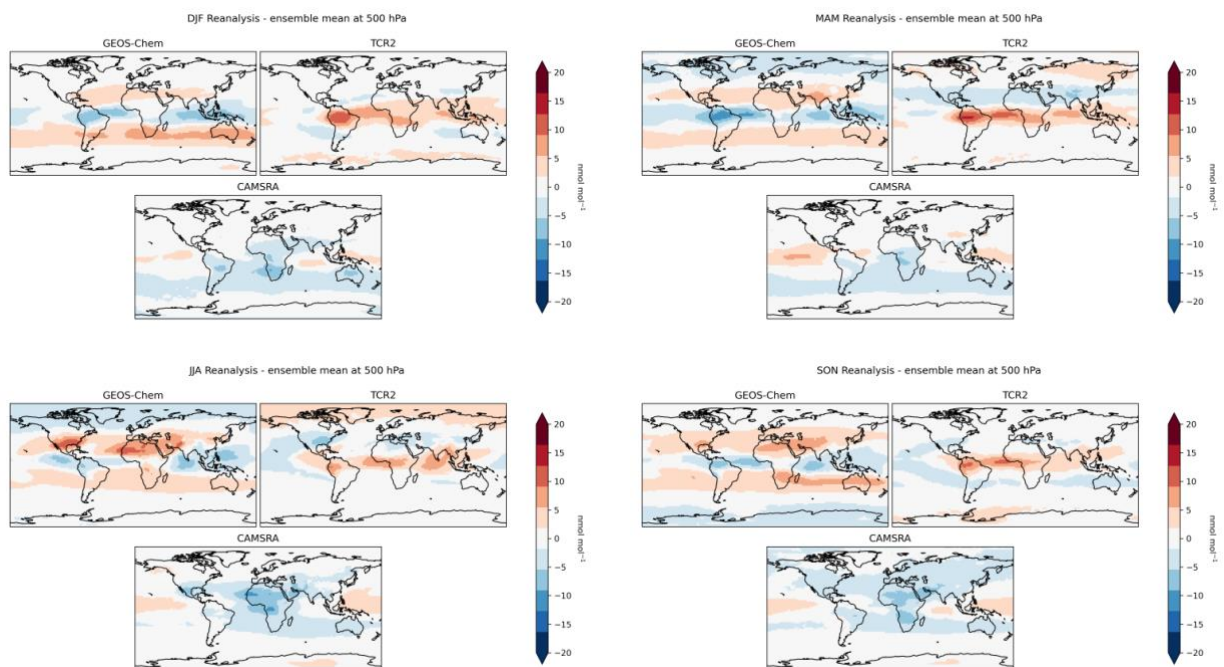


Figure S4. Seasonal mean differences (nmol mol⁻¹) between ozone in the individual reanalyses and the ensemble mean at 500 hPa.

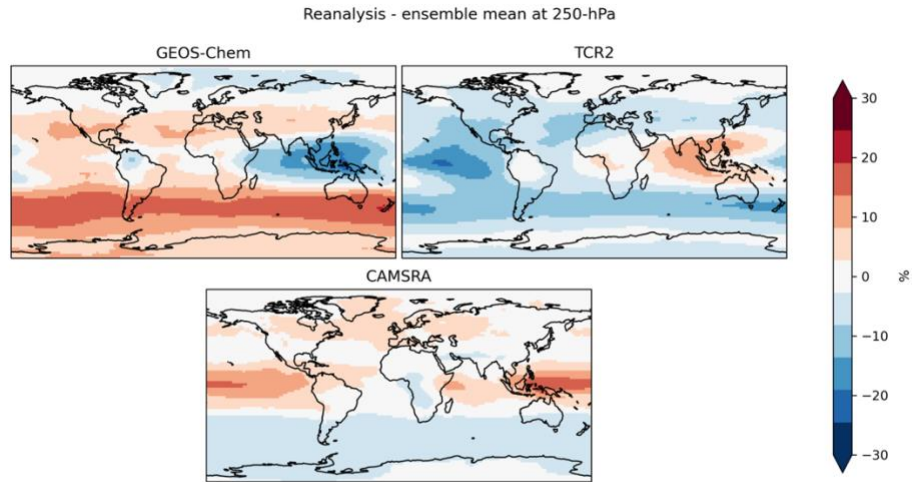


Figure S5. Relative mean differences (percent) between ozone in the individual reanalyses and the ensemble mean at 250 hPa.

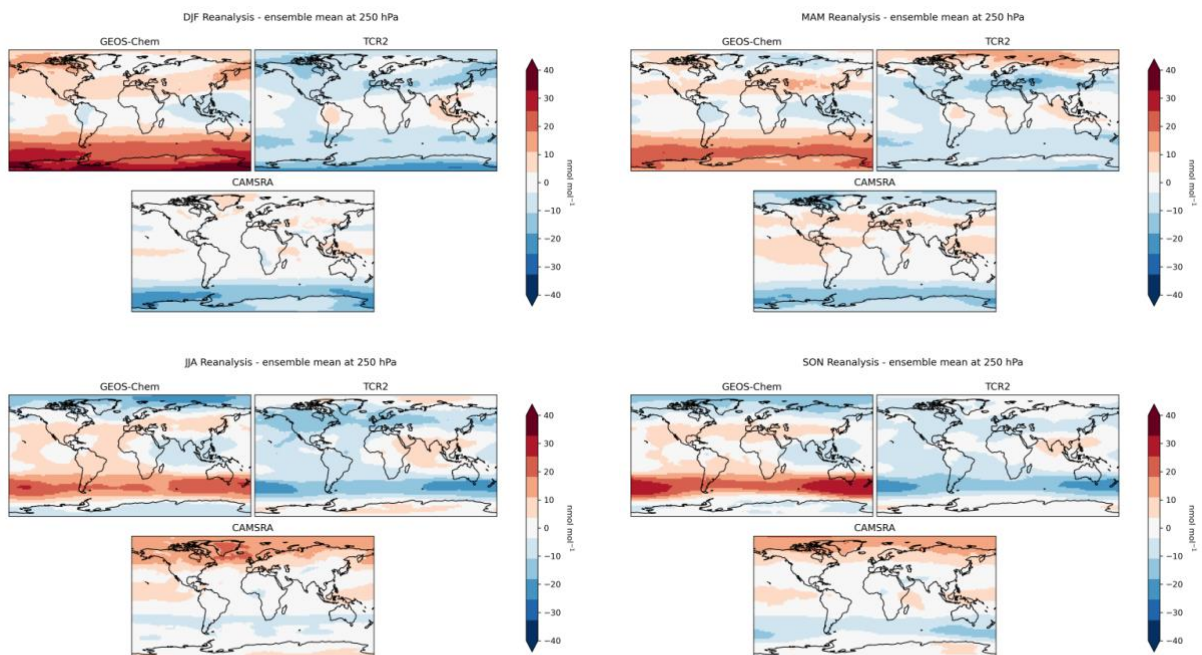


Figure S6. Seasonal mean differences (nmol mol^{-1}) between ozone in the individual reanalyses and the ensemble mean at 250 hPa.

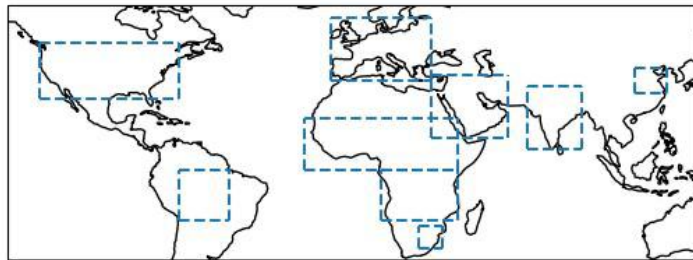


Figure S7. Regional domains used in the regional evaluation. The boundaries of the regions are given in Table 2.

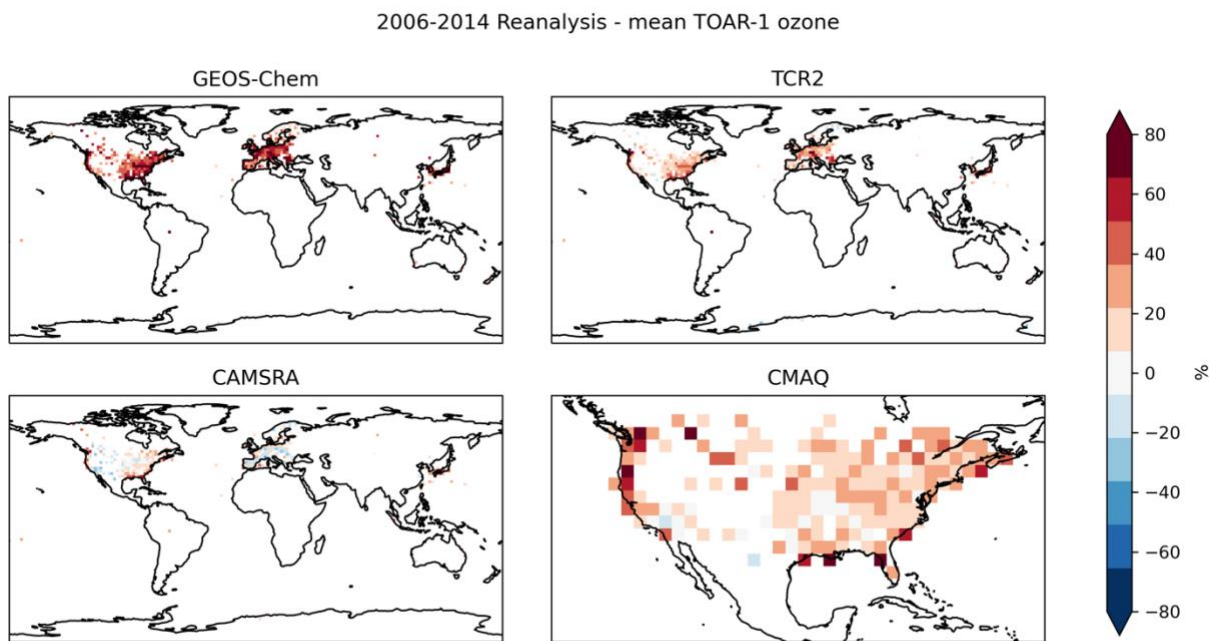


Figure S8. Relative mean bias (percent) between ozone in the individual reanalyses and the TOAR-I ozone observations (2006–2014) at the surface. The TOAR-I observations and the reanalyses were regridded onto a $2^\circ \times 2^\circ$ grid and only rural observations were used in the comparison.

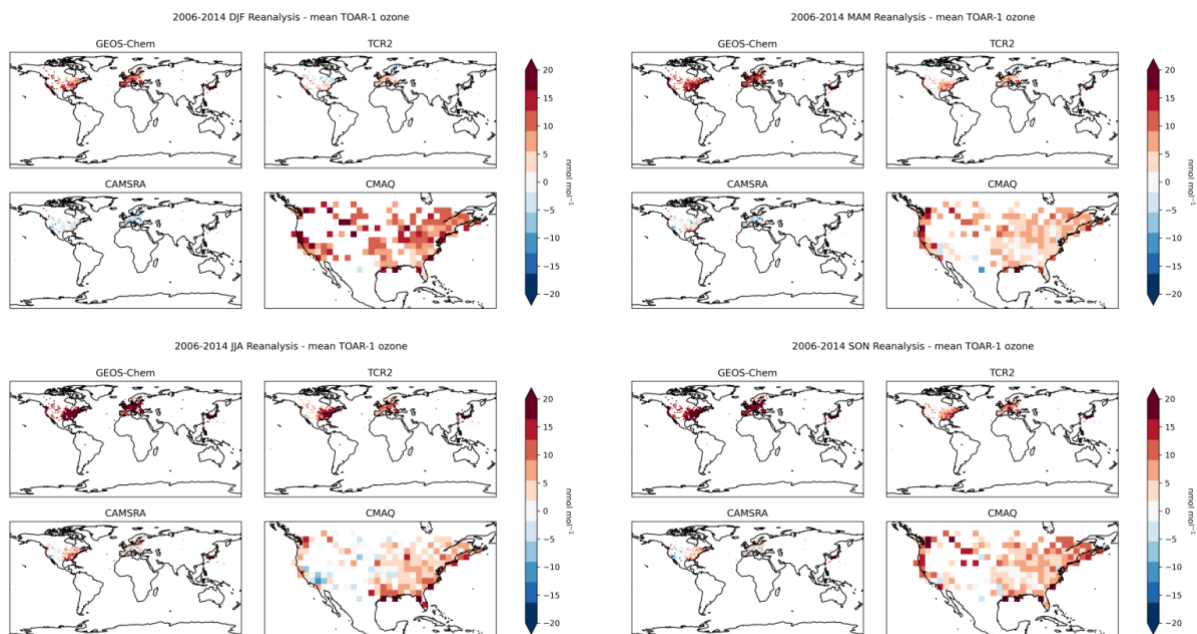


Figure S9. Seasonal mean bias (nmol mol^{-1}) between ozone in the individual reanalyses and the TOAR-I ozone observations (2006–2014) at the surface. The TOAR-I observations and the reanalyses were regridded onto a $2^\circ \times 2^\circ$ grid and only rural observations were used in the comparison.