

Supplementary Material for “Effects of Reanalysis Forcing Fields on Ozone Trends from a Chemical Transport Model”

Yajuan Li¹, Sandip S. Dhomse^{2,3}, Martyn P. Chipperfield^{2,3}, Wuhu Feng^{2,4}, Andreas Chrysanthou², Yuan Xia¹ and Dong Guo⁵

5 ¹School of Electronic Engineering, Nanjing Xiaozhuang University, Nanjing, China

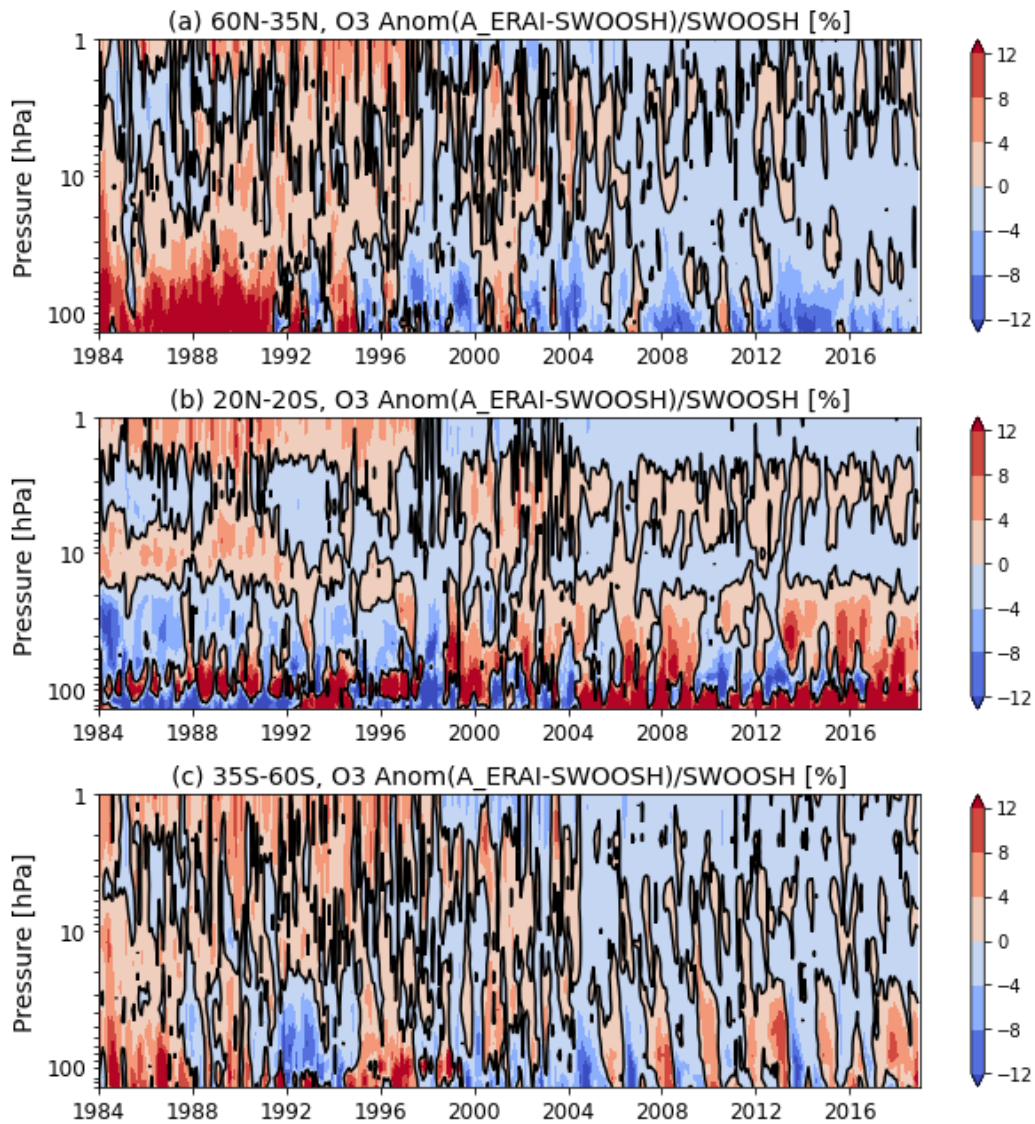
²School of Earth and Environment, University of Leeds, Leeds, UK

³National Centre for Earth Observation, University of Leeds, Leeds, UK

⁴National Centre for Atmospheric Science, University of Leeds, Leeds, UK

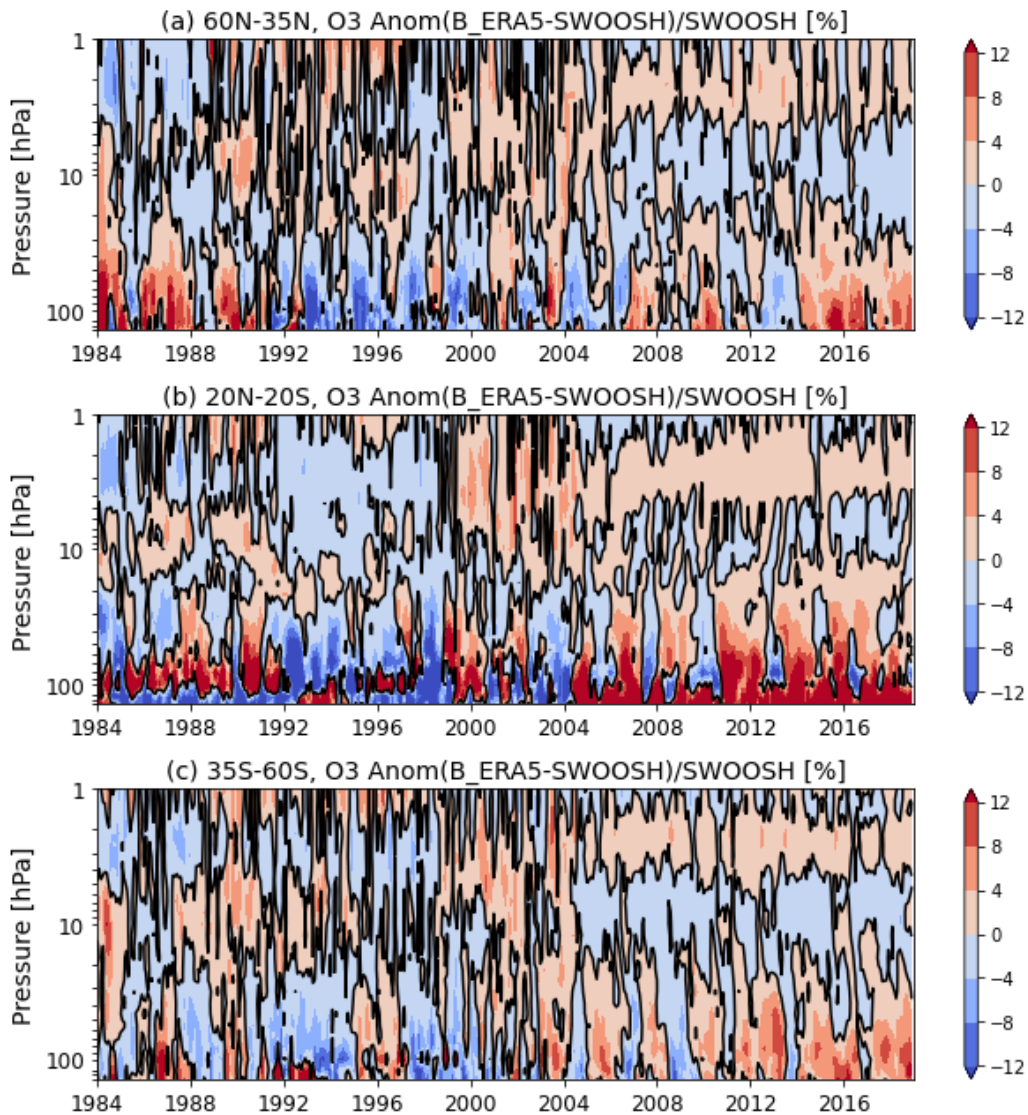
10 ⁵Key Laboratory of Meteorological Disaster, Ministry of Education/Joint International Research Laboratory of Climate and Environment Change/Collaborative Innovation Center on Forecast and Evaluation of Meteorological Disasters, Nanjing University of Information Science & Technology, Nanjing, China

Correspondence to: Martyn P. Chipperfield (M.Chipperfield@leeds.ac.uk)



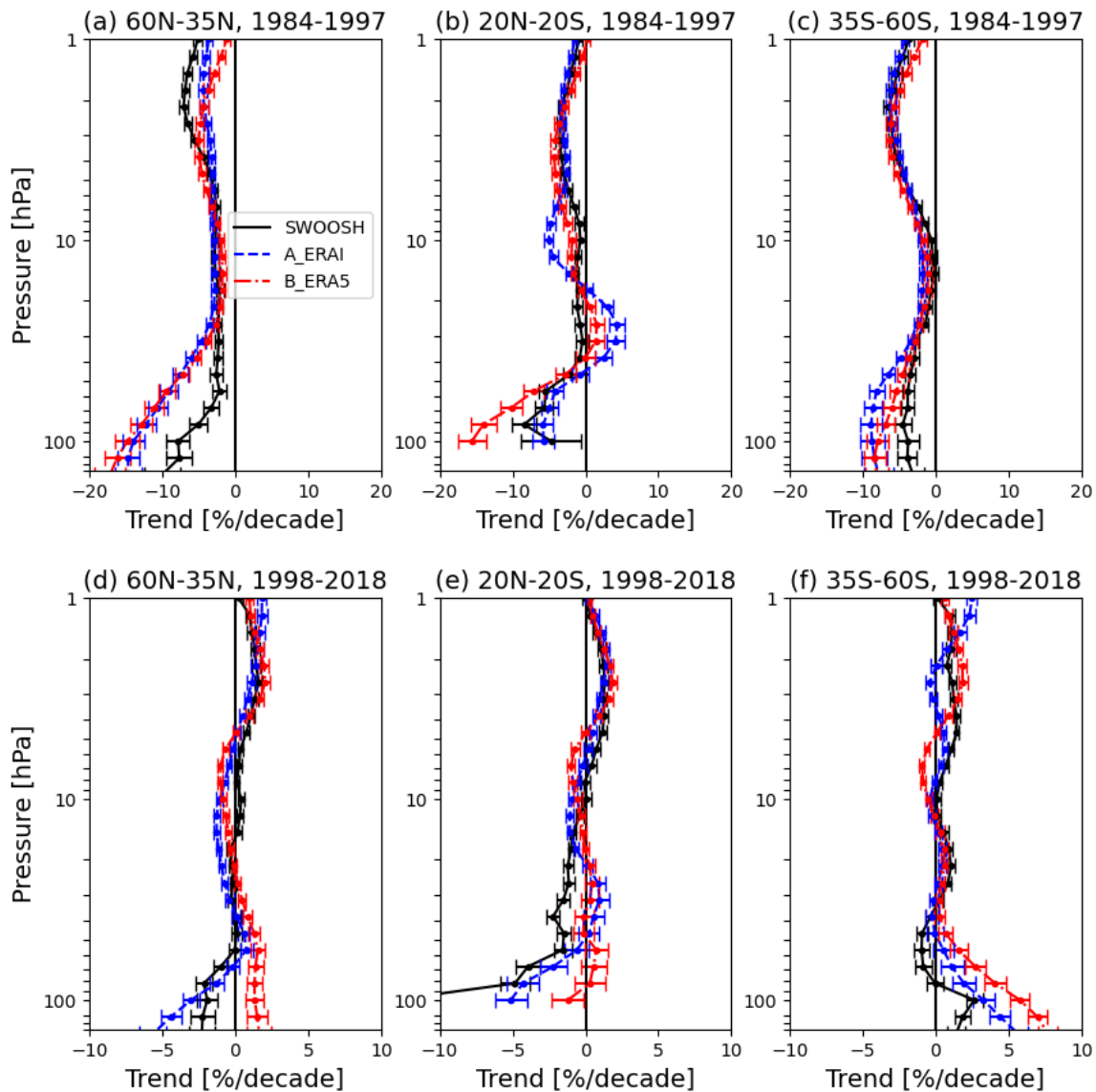
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Figure S1: Pressure-time cross section of the percentage differences in ozone anomalies between model simulation A_ERAI and SWOOSH over 1984-2019 (August) for different latitude regions (a) 60°N-35°N, (b) 20°N-20°S and (c) 35°S-60°S.



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Figure S2: Pressure-time evolution of the percentage differences in ozone anomalies between model simulation B_ERA5 and SWOOSH over 1984-2019 (August) for different latitude regions (a) 60°N-35°N, (b) 20°N-20°S and (c) 35°S-60°S.



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Figure S3: Vertical profile of linear trends in ozone (%/decade) from SWOOSH (black solid line), A_ERAI (blue dashed line) and B_ERA5 (red dash-dot line) over the periods (a-c) 1984-1997 and (d-f) 1998-2018. Results are for 60°N-35°N, 20°N-20°S and 35°S-60°S zonal regions. Error bars show standard deviations at $\pm 2\sigma$.

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