

Supplementary material for: Influence of modelled soil biogenicNO emissions on related trace gases and the atmospheric oxidizing efficiency

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Abstract

In this document you can find figures with absolute differences in the LT column mixing ratio/concentration of relevant tracers and some additional plots, which were not included in the article.

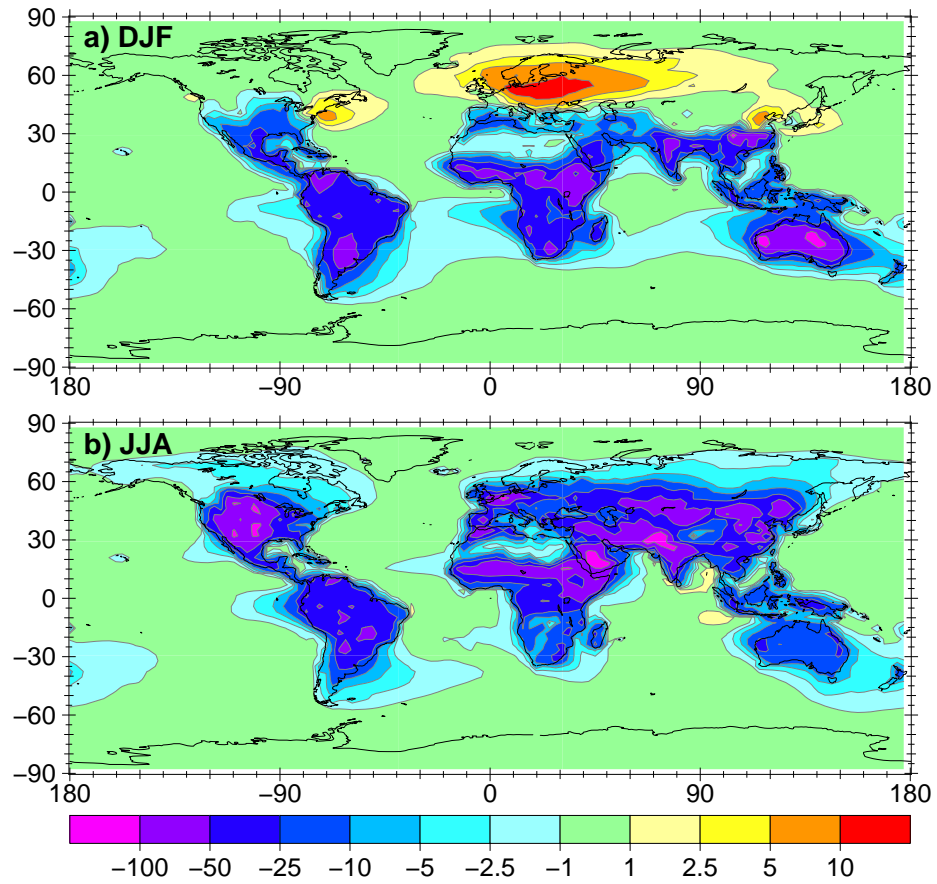


Figure 1: Absolute difference (NOBIONO – BASE) of the lower tropospheric column mixing ratio of NO_x in $\frac{\text{pmol}}{\text{mol}}$ averaged for a) December, January, February and b) June, July and August

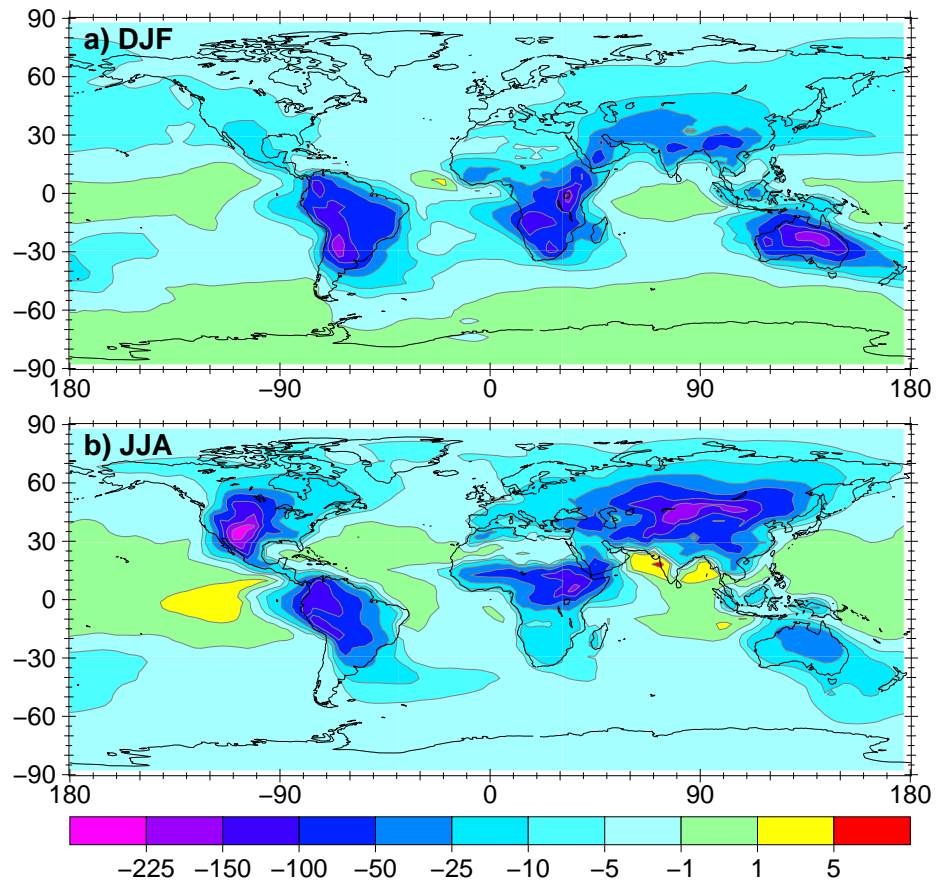


Figure 2: Absolute difference (NOBIONO – BASE) of the lower tropospheric column mixing ratio of PAN in $\frac{\text{pmol}}{\text{mol}}$ averaged for a) December, January, February and b) June, July and August

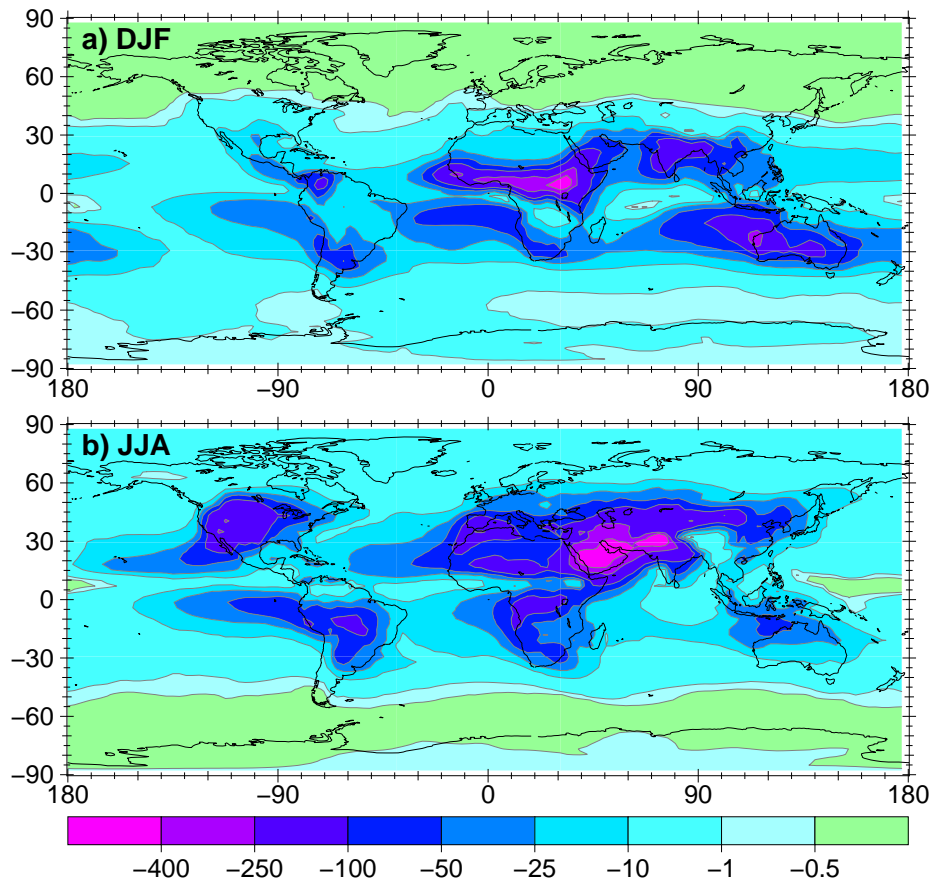


Figure 3: Absolute difference (NOBIONO – BASE) of the lower tropospheric column mixing ratio of HNO_3 in $\frac{\text{pmol}}{\text{mol}}$ averaged for a) December, January, February and b) June, July and August

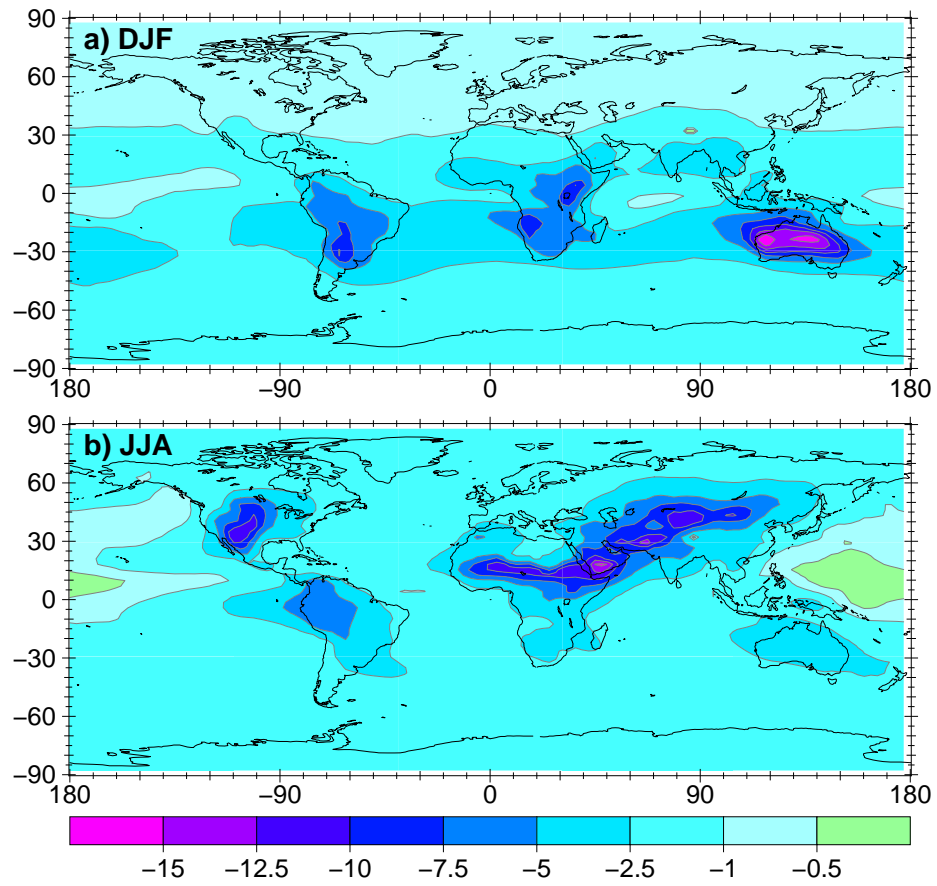


Figure 4: Absolute difference (NOBIONO – BASE) of the lower tropospheric column mixing ratio of O₃ in $\frac{nmol}{mol}$ averaged for a) December, January, February and b) June, July and August

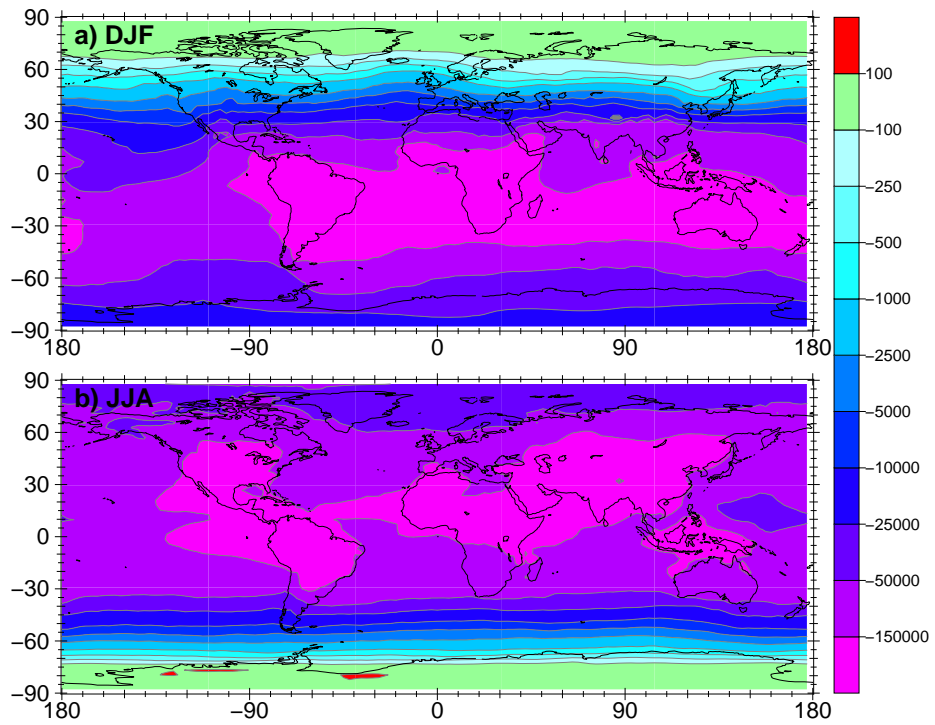


Figure 5: Absolute difference (NOBIONO – BASE) of the lower tropospheric column mixing ratio of OH in $\frac{\text{molec}}{\text{cm}^3}$ averaged for a) December, January, February and b) June, July and August

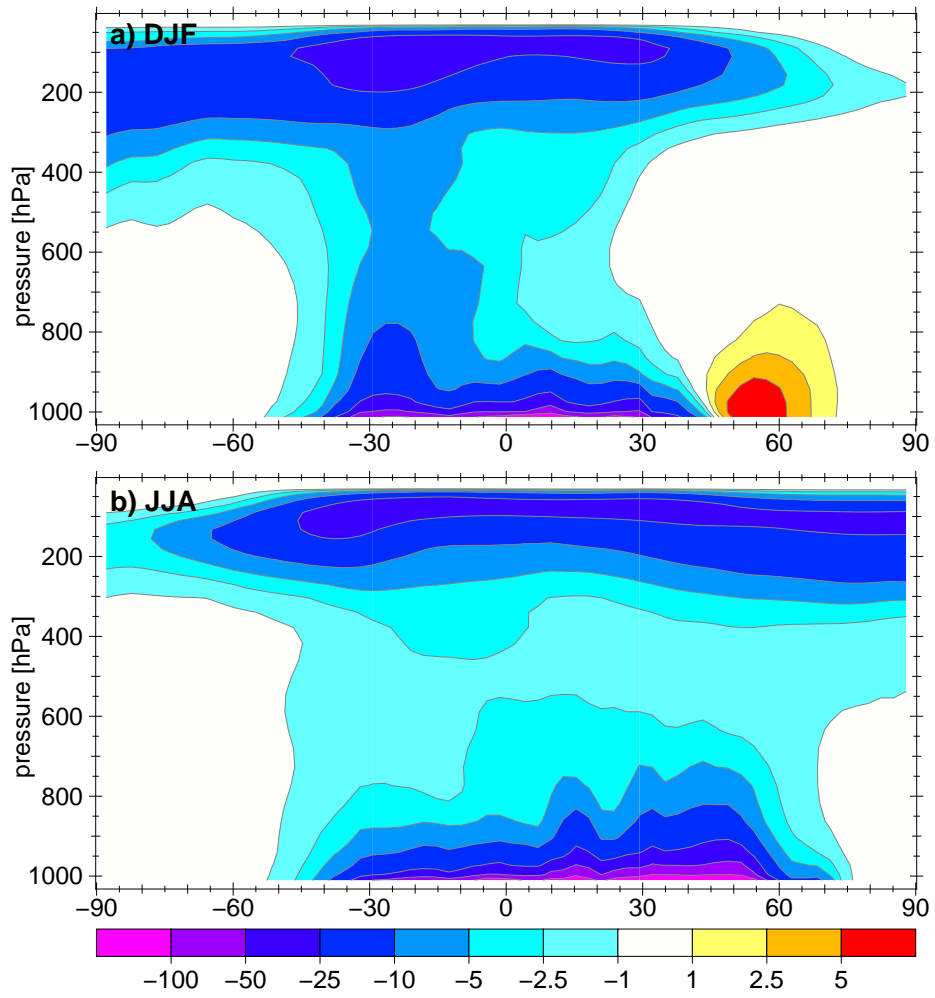


Figure 6: Absolute difference (NOBIONO – BASE) of zonal mean mixing ratio of NO_x in $\frac{\text{pmol}}{\text{mol}}$ averaged for a) December, January, February and b) June, July and August

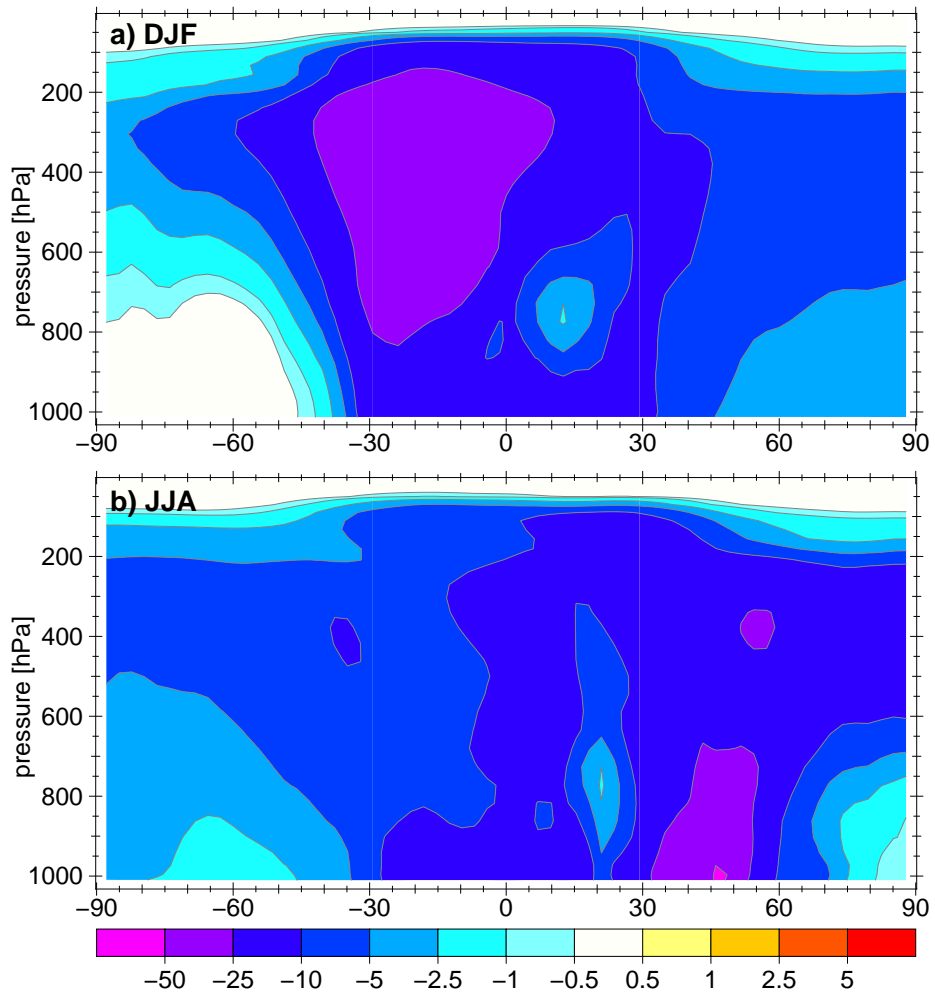


Figure 7: Absolute difference (NOBIONO – BASE) of zonal mean mixing ratio of PAN in $\frac{pmol}{mol}$ averaged for a) December, January, February and b) June, July and August

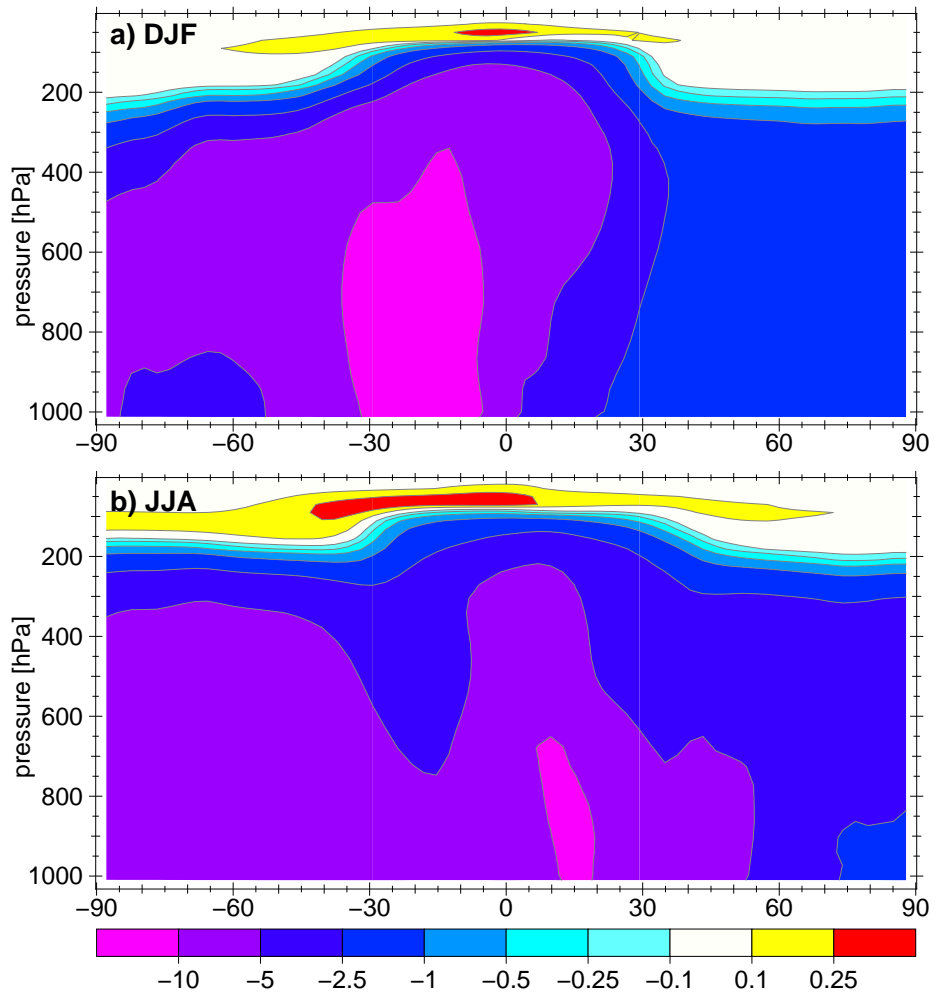


Figure 8: Relative difference ($\frac{NO_{x,NOBIONO}-NO_{x,BASE}}{NO_{x,BASE}} * 100\%$) of zonal mean mixing ratio of NO_x in $\frac{pmol}{mol}$ averaged for a) December, January, February and b) June, July and August

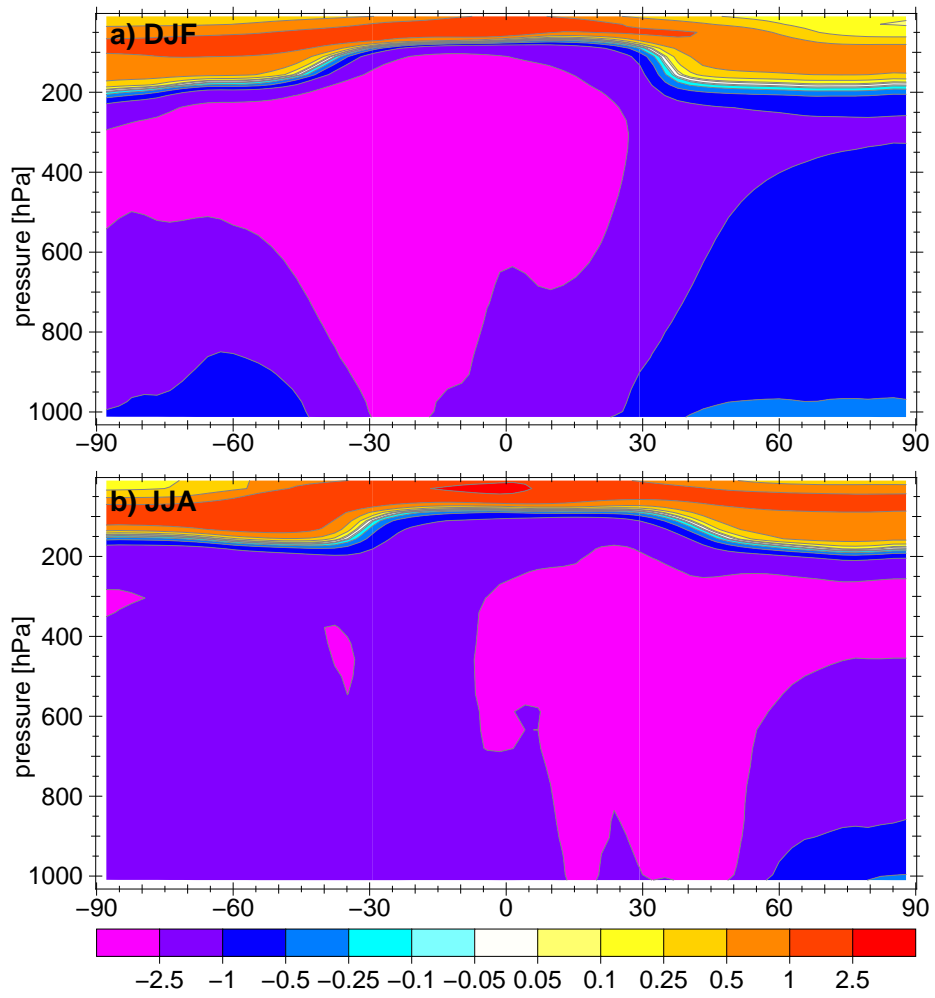


Figure 9: Absolute difference (NOBIONO – BASE) of zonal mean mixing ratio of O_3 in $\frac{nmol}{mol}$ averaged for a) December, January, February and b) June, July and August

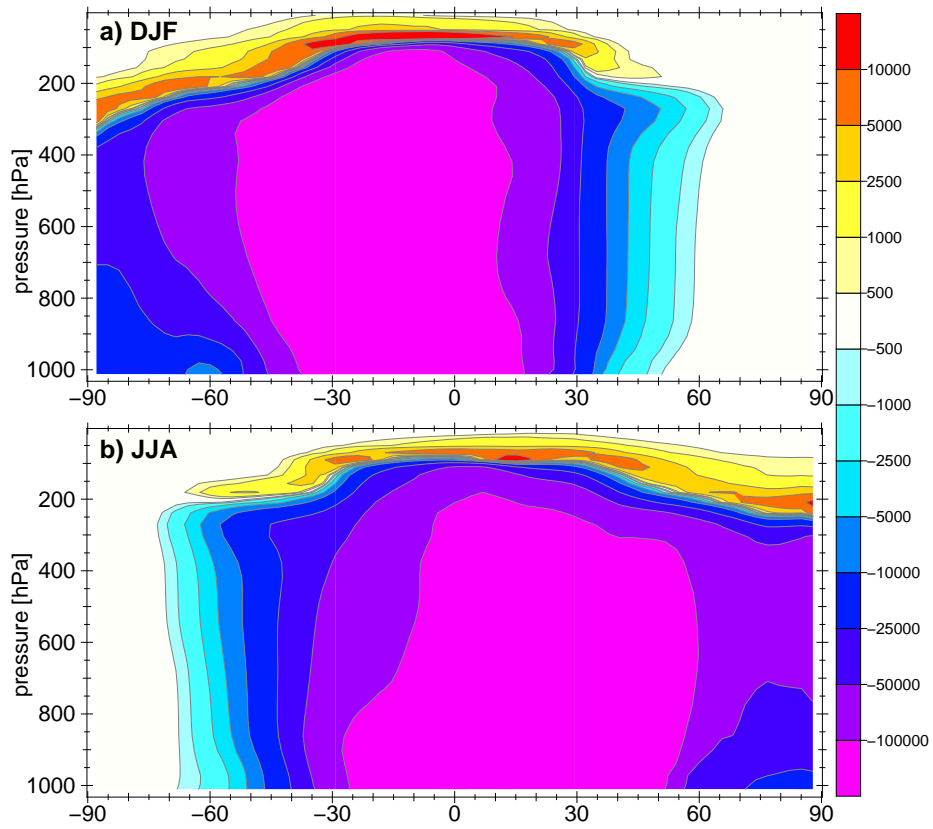


Figure 10: Absolute difference (NOBIONO – BASE) of zonal mean mixing ratio of OH in $\frac{\text{molec}}{\text{cm}^3}$ averaged for a) December, January, February and b) June, July and August