Corrigendum to Atmos. Chem. Phys., 23, 7001–7014, 2023
https://doi.org/10.5194/acp-23-7001-2023-corrigendum

Atmospheric Chemistry and Physics
Open Access
EGU

Corrigendum to "Impact of a strong volcanic eruption on the summer middle atmosphere in UA-ICON simulations" published in Atmos. Chem. Phys., 23, 7001–7014, 2023

Sandra Wallis[1], **Hauke Schmidt**[2], **and Christian von Savigny**[1]

[1]Institute of Physics, University of Greifswald, Felix-Hausdorff-Str. 6, 17489 Greifswald, Germany
[2]Max Planck Institute for Meteorology, Bundesstrasse 53, 20146 Hamburg, Germany

Correspondence: Sandra Wallis (sandra.wallis@uni-greifswald.de)

Published: 8 February 2024

During manuscript preparation, the color range used in Fig. 10a was accidentally set from −25 to 26 K instead of from −25 to 25 K. Moreover, the color bars shown in both Figs. 2a and 9a in the published paper erroneously range from 100 to 600 K rather than from 100 to 550 K. The figures below show the corrected plots.

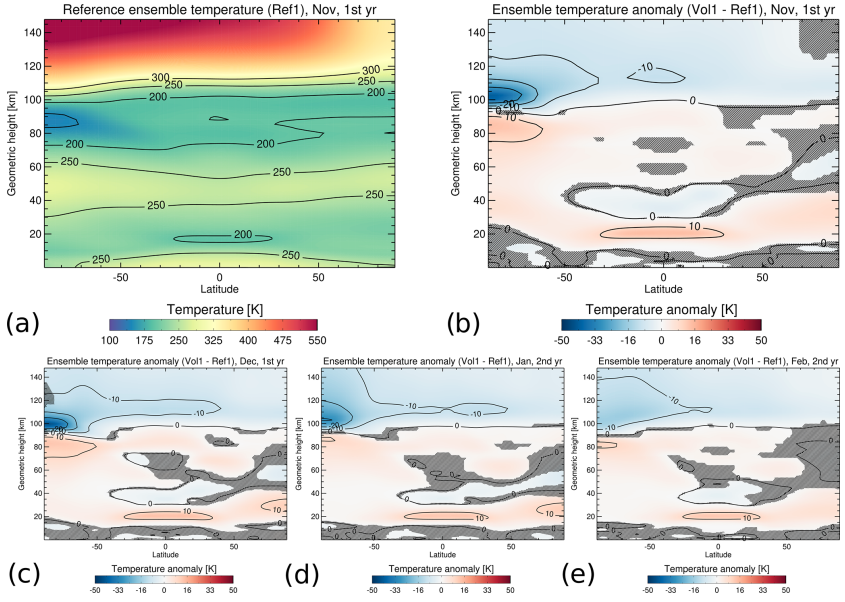

Figure 2. **(a)** Zonal, monthly and ensemble mean reference temperatures (Ref1) for the first November after the eruption. Zonal, monthly and ensemble mean temperature anomalies (Vol1 − Ref1) for **(b)** November, **(c)** December, **(d)** January and **(e)** February. Hatched areas are not significant at a 95 % confidence interval using Student's *t* test.

Published by Copernicus Publications on behalf of the European Geosciences Union.

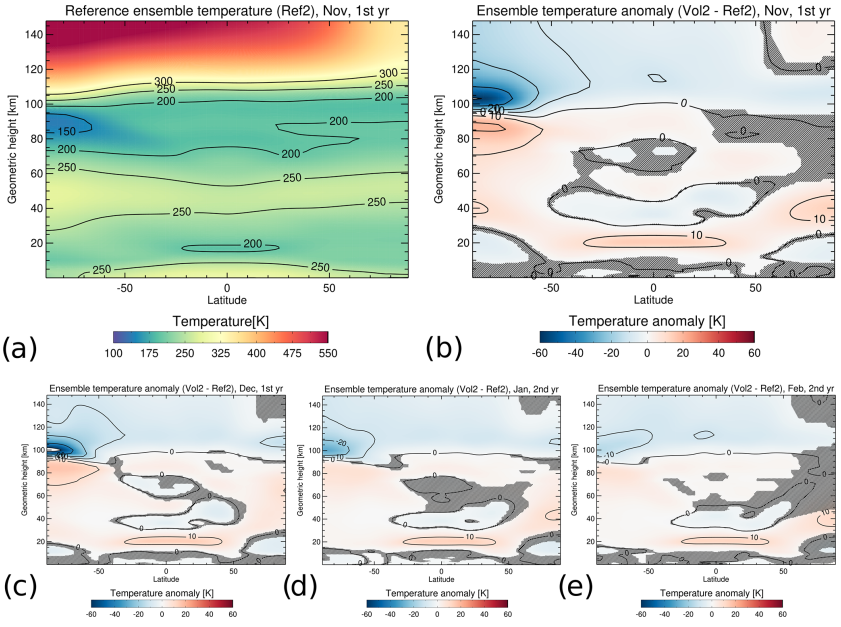

Figure 9. **(a)** Zonal, monthly and ensemble mean reference temperatures (Ref2) for the first November after the eruption. Zonal, monthly and ensemble mean temperature anomalies (Vol2 − Ref2) for **(b)** November, **(c)** December, **(d)** January and **(e)** February. Hatched areas are not significant at a 95 % confidence interval using Student's t test.

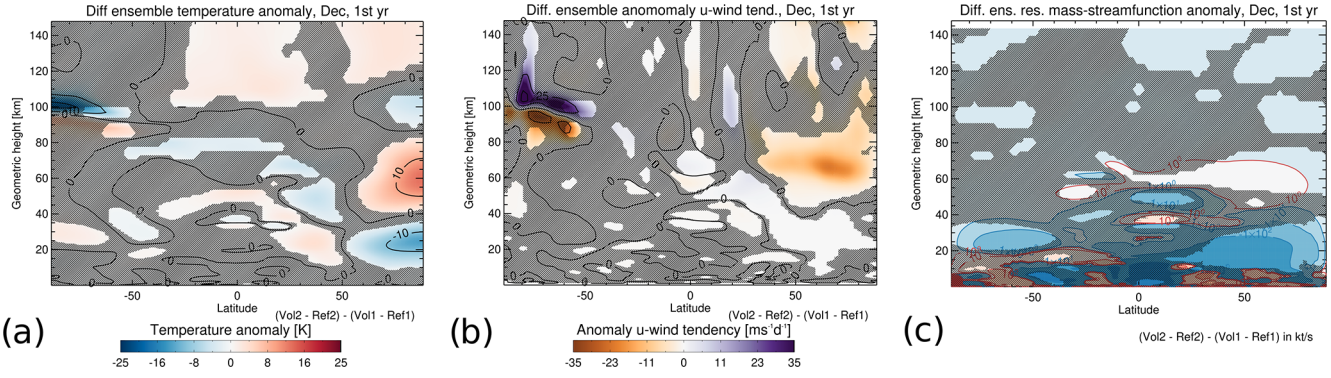

Figure 10. Difference of the zonal, monthly and ensemble mean anomalies ((Vol2 − Ref2)–(Vol1 − Ref1)) for **(a)** the temperature, **(b)** the zonal wind tendency (i.e. gravity wave drag) and **(c)** the residual mass-streamfunction for the first post-eruption December. Hatched areas are not significant at a 95 % confidence interval using Student's t test.