

Review 'Oceanic bromoform emissions weighted by their ozone depletion potential' by Tegtmeier et al.,

The authors have done a great job in tightening this manuscript and addressing all of my concerns raised in my first review. I only have minor comments and a clarification.

Clarification / Discussion point

The ODP-weighted CHBr_3 emissions displayed in figure 9 show a maximum in the boreal summer when mass fluxes are weaker than the austral summer ODP mass-fluxes (figure 5c). This is due (and mentioned in the paper) to the very high emissions in SA Asia, that are lacking in the MC from Ziska, 2013. However, the seasonality of emissions in these regions is not taken into account (and observations in both regions are likely to be biased to certain seasons), so a stronger caveat in the interpretation of figure 9 would add to the discussion. While differing model results support this seasonality, meaning their meteorology and mass fluxes support each other, but I assume all runs were being driven by the same Ziska emission fields – so this is not surprising. It would be useful to produce a figure 9 curve with a different emission inventory to test the robustness of this seen seasonality in ODPs. A comment about this expected seasonality in stratospheric bromoform concentrations and the requirement that this UTLS bromoform seasonality needs to be verified by observations would also add to the discussion.

Minor Typos / Grammatical changes

Line 74 – 'however evidence arises' change to 'however evidence has emerged'

Line 99 change to: Through the relatively large impact of VSLs on ozone in the lower stratosphere, VSLs contribute -0.02 Wm^{-2} to global radiative forcing (~6% of the 0.33 Wm^{-2} from all ODS halocarbons) ...

Line 106 compared change to relative

Line 120 measure change to metric

Line 125 change to only a fraction of the originally released VSLs reaches the...

Line 126 change 'cannot be given' as to 'is not'

Line 140 will require change to requires

Line 144 remove will

Line 146 'will allow to compare' change to 'allows assessment of'

Line 155 change which takes to taking

Line 208 remove by after the

Line 210 add s to increase

Line 311 change cost-efficient to computationally-efficient

Line 687 change 'global warming' to 'increased GHG induced tropospheric warming' leading to

Line 745 change 'a particular high' to 'particularly high'

Line 746 change from to due to

Line 751 change to lead to a two to three-fold increase in ODP-weighted ...