Interactive comment on “Growth rates of stratospheric HCFC-22” by D. P. Moore and J. J. Remedios

Anonymous Referee #1

Received and published: 9 September 2007

This is a generally useful paper on the global distribution and trends in HCFC-22. My main comment is that the paper is out of date in terms of references cited (and some of the numerical values used should be updated). Although these have a negligible affect on the science in the paper, they are annoying and need to be corrected.

1. pg. 10516, l. 11 and pg. 10521, l. 10, replace ‘;’ with ‘.’
2. pg. 10516, l. 25. The IPCC 2001 reference is not correct and in any case needs to be replaced by a reference to the 2006 WMO ozone report.
3. pg. 10517, l. 20, 2006 WMO ozone report cites 16 years which should be added.
4. pg. 10517, l. 24, “stratosphere with a mixing” 5. pg. 10518, l. 15, add the MIPAS ACP or ACPD overview reference.
6. pg. 10520, l. 9 and l. 11, x should be bold
7. pg. 10522, l. 8-15 all of the appropriate new MIPAS cal/val papers from the ACP or ACPD special edition need to be cited and any values changed
as needed. 8. pg. 10527, l. 27, update to IPCC 2007, which gives 114 years 9. pg. 10528, l. 14, update to IPCC 2007. This report has a nice discussion on HCFC-22 and some of this material could be presented in the introduction or in the discussion.