

Interactive comment on “Distributions, long term trends and emissions of four perfluorocarbons in remote parts of the atmosphere and firn air” by J. C. Laube et al.

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Referee comments

This paper reports the first data set of atmospheric abundances for four perfluoroalkanes. These results will be of significant interest to the atmospheric science community and I recommend it for publication. Only one thing to post so far: p. 4063 l. 16 IPCC 2007 reference should be updated to the WMO 2011 reference since some lifetimes values were a little bit modified. For instance the lifetime of C6F14 of 3200 yrs was replaced with 3100 yrs. And the lifetime of C7F16 was already included (3000 yr) WMO 2011: WMO (World Meteorological Organization). Scientific assessment of ozone de-

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pletion: 2010, global ozone research and monitoring project–report no. 52.

Author response

We would like to thank you for reviewing our manuscript. The IPCC, 2007 reference has been replaced with WMO, 2011.

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