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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.

Anonymous Referee #1

Received and published: 6 March 2012

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 depletion: 2010, global ozone research and monitoring project-report no. 52.

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