

Interactive
Comment

Interactive comment on “Rapid growth of HFC-227ea (1,1,1,2,3,3,3-Heptafluoropropane) in the atmosphere” by J. C. Laube et al.

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P7683 L7 states the reaction rate coefficient HFC-227ea with OH is $(7.17 \times 10^{-14}) \exp[-1770/T+2] \text{cm}^3 \text{ molecule}^{-1} \text{ s}^{-1}$ (from tkinson et al., 2008). This is incorrect the actual value from Atkinson 2008 is $(5.3 \times 10^{-13}) \exp[-1770/T] \text{cm}^3 \text{ molecule}^{-1} \text{ s}^{-1}$. Will usage of the correct value change the difference in lifetime reported in the manuscript between the author and Clerbaux and Cunnold (2007)?

Just out of interest the value from JPL is $(4.3 \times 10^{-13}) \exp[-1650/T] \text{cm}^3 \text{ molecule}^{-1} \text{ s}^{-1}$

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Discussion Paper

