

Interactive comment on “Near-UV photolysis cross sections of CH₃OOH and HOCH₂OOH determined via action spectroscopy” by C. M. Roehl et al.

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Received and published: 21 December 2006

The authors would first like to thank the Referee for the useful comments.

In response to:

Comment 1) Our HMHP values were referenced to the published cross sections at 320 nm of Bauerle and Moortgat (1999), but were then fit in order to calculate the J-values over different wavelength ranges and to report cross sections in 5 nm increments. We have since applied the normalization after the fit and have corrected the text, Table 2, Figs. 2b and 4b, and J-value calculations.

Comment 2) The Blitz et al. (2005) MHP cross sectional data have been to Table 1 and Figure 2a and several sentences discussing this data have been added to the text.

Comment 3) Decomposition of HMHP to HCOOH will not affect our cross section mea-

surements since what we measure is the OH produced in the HMHP photolysis. Furthermore, this decomposition could not be used to explain the wavelength dependent discrepancy seen in the cross sections.

Technical comments and corrections: All corrections have been made as suggested.

Interactive comment on Atmos. Chem. Phys. Discuss., 6, 11597, 2006.

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Discussion Paper