

## ***Interactive comment on “The quantitative infrared and NIR spectrum of CH<sub>2</sub>I<sub>2</sub> vapor: vibrational assignments and potential for atmospheric monitoring” by T. J. Johnson et al.***

**T. J. Johnson et al.**

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The authors wish to thank referee # 1 and referee #2 for their suggestions. Their comments and suggestions will help make it a better paper.

While some of the suggestions are stylistic, we in particular are grateful for the suggestions to better point out the estimated uncertainties in these reference data. While error estimates are important in any quantitative science, they are especially important for papers that deal with reference data such as cross-sections, rate constants, etc. We hope that our estimates are helpful. Although it would be very page-consuming to re-derive it here, it is important to have the proper literature citations. It is also

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important to mention that our estimates are the largest estimated systematic errors for “well-behaved” molecules such as CH<sub>2</sub>I<sub>2</sub>, whereas the random errors tend to be smaller, on the order of 1% for most species.

We will also try to improve our references to the CH<sub>2</sub>I<sub>2</sub> literature, as this is clearly an area for improvement.

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Interactive comment on Atmos. Chem. Phys. Discuss., 6, 1275, 2006.

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