

Correction to “Direct Observation of a Transiently Formed Isomer During Iodoform Photolysis in Solution by Time-Resolved X-ray Liquidography”

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J. Phys. Chem. Lett. 2018, 9 (3), pp 647–653. DOI: 10.1021/acs.jpcllett.7b03125

In the published Letter, the quantum yield of excited Iodoform was underestimated, which was caused by a simple mistake in the scaling of the experimental scattering curves to the theoretical ones. To resolve this issue, we reanalyzed the data using the new scale factor. Accordingly, the time-dependent concentrations in Figure 4c and the related bimolecular rate constants in Figure 4a have to be modified. The corrected bimolecular rate constants are $6.46 \pm 0.02 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$ for $\text{I} + \text{I} \rightarrow \text{I}_2$ and $2.71 \pm 0.01 \times 10^9 \text{ M}^{-1} \text{ s}^{-1}$ for $\text{CHI}_2 + \text{I} \rightarrow \text{CHI}_3$. The corrected Figure 4 is presented here. The quantum yield for excitation and the fraction of the excited state that relaxes back to the ground state without undergoing isomerization or fragmentation reaction are $11.3 \pm 0.1\%$ and $18.5 \pm 2.9\%$, respectively, although these were not reported in the published Letter. This erratum does not affect conclusions reported in the Letter.

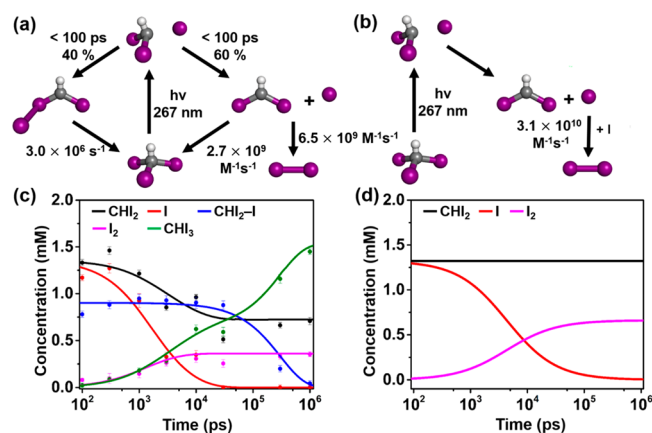


Figure 4. (corrected).