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Corrigendum to ‘CH₃D photomixing spectroscopy up to 2.5 THz: new set of rotational and dipole parameters, first THz self-broadening measurements’ [Journal of Quantitative Spectroscopy and Radiative Transfer 189 (2017) 198–205]

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Corrigendum

Corrigendum to 'CH₃D photomixing spectroscopy up to 2.5 THz: new set of rotational and dipole parameters, first THz self-broadening measurements' [Journal of Quantitative Spectroscopy and Radiative Transfer 189 (2017) 198–205]



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The authors regret that Table 1 provided in the concerned paper contains erroneous values for experimental intensities of CH₃D transitions. The correct values are summarized in the following Table 1. These corrections do not change the previous results presented in figures 1 to 5 nor in tables 2 and 3 of the manuscript "CH₃D photomixing spectroscopy up to 2.5 THz: New set of rotational and dipole parameters, first THz self-broadening measurements", J. Quant. Spectrosc. Radiat. Transfer 2017;189:198–205.

The authors would like to apologise for any inconvenience caused.

Table 1

Measured transition of CH₃D used for rotational data fit. Frequencies and uncertainties are in MHz. Experimental intensities in cm⁻¹/molecule.cm⁻². Uncertainty of experimental intensities is estimated to 25%, see section 3.

J'	K'^a	J''	K''^a	Frequency	Uncertainty	Intensity
1	0	0	0	232644.301 ^b	0.075	—
2	1	1	1	465235.540 ^b	0.075	—
2	0	1	0	465250.691 ^b	0.075	—
3	2	2	2	697690.6269 ^c	0.050	—
3	1	2	1	697758.7502 ^c	0.050	—
3	0	2	0	697781.4559 ^c	0.050	—
4	3	3	3	929926.5710 ^c	0.050	—
4	2	3	2	930077.7603 ^c	0.050	—
4	1	3	1	930168.4642 ^c	0.050	—
4	0	3	0	930198.6776 ^c	0.050	—
5	4	4	4	1161860.8331 ^d	0.100	—
5	3	4	3	1162125.1660 ^d	0.100	—
5	2	4	2	1162313.8467 ^d	0.100	—
5	1	4	1	1162427.0456 ^d	0.100	—
5	0	4	0	1162464.6841 ^d	0.100	—
6	5	5	5	1393411.814 ^e	0.215	2.32E-25
6	4	5	4	1393818.828 ^e	0.215	3.98E-25
6	3	5	3	1394135.500 ^e	0.070	1.21E-24
6	2	5	2	1394361.590 ^e	0.135	5.41E-25
6	1	5	1	1394496.998 ^e	0.125	6.85E-25
6	0	5	0	1394542.157 ^e	0.135	6.80E-25

(continued on next page)

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Table 1 (continued)

J'	K'^a	J''	K''^a	Frequency	Uncertainty	Intensity
7	6	6	6	1624497.6579 ^d	0.100	—
7	5	6	5	1625077.6652 ^d	0.100	—
7	4	6	4	1625551.7779 ^d	0.100	—
7	3	6	3	1625919.9988 ^d	0.100	—
7	2	6	2	1626182.9921 ^d	0.100	—
7	1	6	1	1626340.7207 ^d	0.100	—
7	0	6	0	1626393.3314 ^e	0.100	—
7	6	6	6	1624497.556 ^e	0.075	9.58E-25
7	5	6	5	1625077.701 ^e	0.095	7.20E-25
7	4	6	4	1625551.722 ^e	0.070	1.02E-24
7	3	6	3	1625920.161 ^e	0.040	1.92E-24
7	2	6	2	1626183.199 ^e	0.075	9.70E-25
7	1	6	1	1626340.811 ^e	0.070	1.08E-24
7	0	6	0	1626393.385 ^e	0.070	1.04E-24
8	7	7	7	1855039.018 ^e	0.240	4.97E-25
8	6	7	6	1855820.876 ^e	0.090	1.16E-24
8	5	7	5	1856481.979 ^e	0.145	8.33E-25
8	4	7	4	1857022.116 ^e	0.120	9.86E-25
8	3	7	3	1857442.241 ^e	0.070	1.74E-24
8	2	7	2	1857741.787 ^e	0.110	1.02E-24
8	1	7	1	1857921.524 ^e	0.145	7.47E-25
8	0	7	0	1857981.182 ^e	0.165	7.33E-25
9	8	8	8	2084955.798 ^e	0.200	3.86E-25
9	7	8	7	2085969.301 ^e	0.145	6.50E-25
9	6	8	6	2086846.500 ^e	0.065	1.44E-24
9	5	8	5	2087587.700 ^e	0.115	7.86E-25
9	4	8	4	2088193.556 ^e	0.105	8.85E-25
9	3	8	3	2088664.258 ^e	0.060	1.76E-24
9	2	8	2	2089000.327 ^e	0.125	8.50E-25
9	1	8	1	2089201.718 ^e	0.125	7.45E-25
9	0	8	0	2089268.988 ^e	0.125	8.85E-25
10	9	9	9	2314170.806 ^e	0.210	5.10E-25
10	8	9	8	2315444.372 ^e	0.210	4.68E-25
10	7	9	7	2316566.411 ^e	0.190	4.66E-25
10	6	9	6	2317537.618 ^e	0.090	1.20E-24
10	5	9	5	2318358.361 ^e	0.190	5.11E-25
10	4	9	4	2319028.847 ^e	0.190	5.95E-25
10	3	9	3	2319550.084 ^e	0.090	1.19E-24
10	2	9	2	2319922.004 ^e	0.230	4.00E-25
10	1	9	1	2320145.238 ^e	0.190	5.56E-25
10	0	9	0	2320219.938 ^e	0.190	5.53E-25
11	10	10	10	2542605.053 ^e	0.315	2.73E-25
11	9	10	9	2544169.166 ^e	0.105	1.05E-24
11	8	10	8	2545564.764 ^e	0.170	6.51E-25
11	7	10	7	2546794.213 ^e	0.160	8.50E-25
11	6	10	6	2547858.403 ^e	0.105	9.83E-25
11	5	10	5	2548757.372 ^e	0.180	5.06E-25
11	4	10	4	2549492.225 ^e	0.180	6.43E-25
11	3	10	3	2550063.123 ^e	0.130	7.39E-25
11	2	10	2	2550470.822 ^e	0.255	4.51E-25
11	1	10	1	2550715.284 ^e	0.255	3.58E-25
11	0	10	0	2550796.666 ^e	0.255	3.58E-25

^a $K = 3n$ are unresolved overlaps of the $+ \leftrightarrow -$ parity lines.

^b Womack et al. [19].

^c Lattanzi et al. [20].

^d Drouin et al. [21].

^e This work.