

Complex organic molecules in the interstellar medium: IRAM 30 m line survey of Sagittarius B2(N) and (M) (Corrigendum)

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A&A 559, A47 (2013), DOI: [10.1051/0004-6361/201321096](https://doi.org/10.1051/0004-6361/201321096)

Key words. astrobiology – astrochemistry – line: identification – stars: formation – ISM: individual objects: Sagittarius B2 – errata, addenda

Equation (11) of Belloche et al. (2013) is incorrect. The correct equation is provided here. The last paragraph of Sect. 3.1 should be replaced with the following paragraph:

The spectrum containing the contributions of both the “emission” and “absorption” groups is computed with the following recursive equation:

$$T_i(f) = T_{i-1}(f)e^{-\tau_f^{m,c}} + \eta_f^{m,c} \left(J_f(T_{\text{rot}}^{m,c}) - J_f(T_{\text{bg}}) \right) \left(1 - e^{-\tau_f^{m,c}} \right), \quad (11)$$

where m is the index on the species that have at least one “absorption” component, c is the index on the “absorption” components of each species m , and i is the recursivity index varying from 1 to N_a , with N_a the total number of “absorption”

components (see Fig. 1). T_0 is initialized to the spectrum of the “emission” group T_{emg} . T_{N_a} is the final spectrum containing the contributions of all “emission” and “absorption” components.

All calculations in the original publication were performed with the correct equation. All results and conclusions of this work are therefore unaffected.

Acknowledgements. We thank Sébastien Maret for pointing out this error.

References

Belloche, A., Müller, H. S. P., Menten, K. M., Schilke, P., & Comito, C. 2013, A&A, 559, A47