

Detecting cold H₂ globules in the outer Galactic disc by microlensing towards the Maffei 1 elliptical (Corrigendum)

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Key words. cosmology: dark matter – Galaxy: disk – ISM: molecules – gravitational lensing – methods: observational – errata, addenda

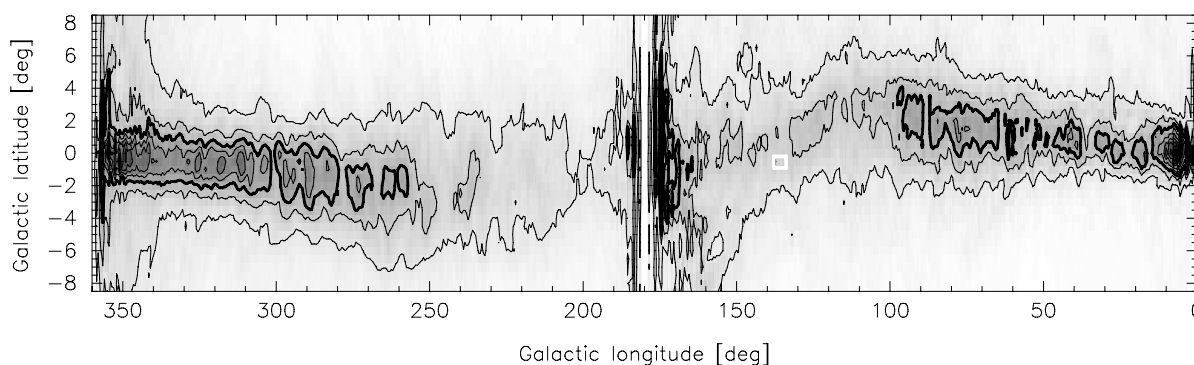


Fig. 3. Microlensing optical depth map of the H₂ globule cores (corrected). The detailed caption remains the same as in the original paper.

Figure 3 in the original paper is wrong. A typing error in the source program caused the cosine of Galactic longitude being set to zero whatever the sky direction. The present erratum provides the correct version of this figure.

Consequently, the estimated microlensing optical depth of H₂ globule cores towards the Maffei 1 galaxy reduces

to $\tau \sim 0.3 \times 10^{-6}$ (instead of $\sim 0.7 \times 10^{-6}$ originally) and all the detection rate predictions towards this galaxy inferred in Sect. 5 (including the curves in Fig. 6 and the column $\int N_{\text{det}} d\Omega$ in Table 2) must be rescaled by a multiplication factor $\sim 3/7$, i.e. roughly divided by 2. The rest of the paper remains unchanged.