

Erratum

Infrared observations and laboratory simulations of interstellar CH₄ and SO₂

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It was found that a factor of $2J + 1$ is missing in the derived oscillator strengths of the ν_2/ν_4 dyad of gaseous CH₄, where J is the rotational quantum number. Correct model spectra are given in Figure 3. At the given physical parameters, the corrected line optical depths are lower with a factor 2–8. This large correction does not affect the conclusions drawn in this paper, but needs to be taken into account in future studies of interstellar gaseous CH₄ (Boogert et al. 1998, accepted by A&A). We are grateful to E. Dartois for bringing this disturbing error to our attention.

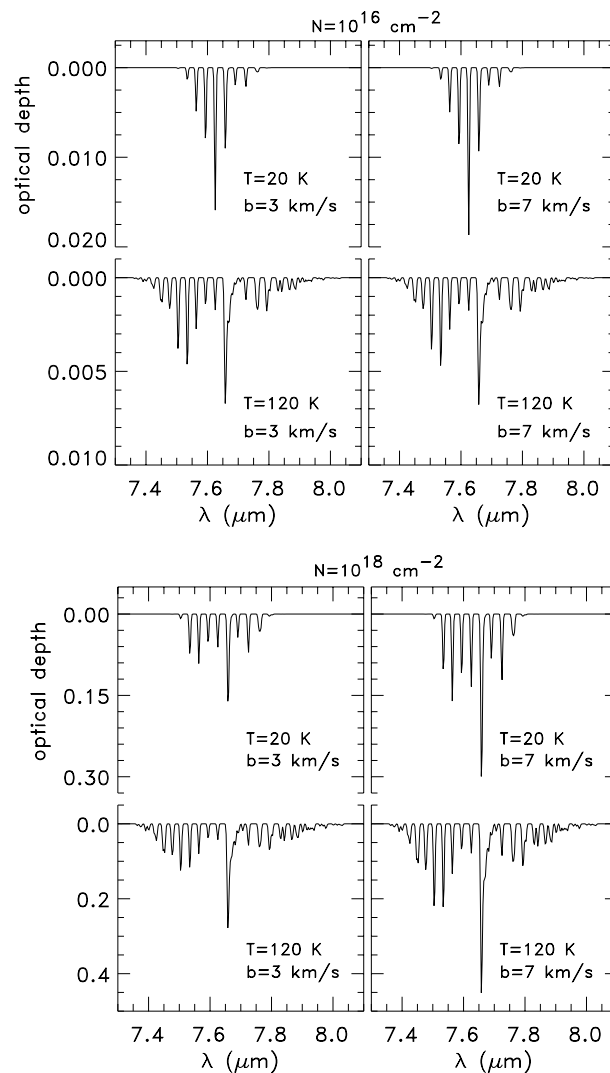


Fig. 3. Model spectra of gaseous CH₄ at different temperatures T and Doppler parameters b in the optically thin (top; $N(\text{CH}_4)=10^{16} \text{ cm}^{-2}$) and thick (bottom; $N(\text{CH}_4)=10^{18} \text{ cm}^{-2}$) cases at resolving power $R = 1400$. Note the different optical depth scales of the panels.