

## ERRATA

### Study of $\text{Rb}_2$ Long-Range States by High-Resolution Photoassociation Spectroscopy [Phys. Rev. Lett. 73, 632 (1994)]

R. A. Cline, J. D. Miller, and D. J. Heinzen

On page 632, the second and third sentences in the last paragraph should read as follows: "The peak density is not accurately known, but it is of the order of  $1 \times 10^{12} \text{ cm}^{-3}$  [4,11]. The FORT laser is tuned to  $12\,289 \text{ cm}^{-1}$ , which is between two well-resolved photoassociation resonances [4]."

Figures 1 and 2 appear below properly presented.

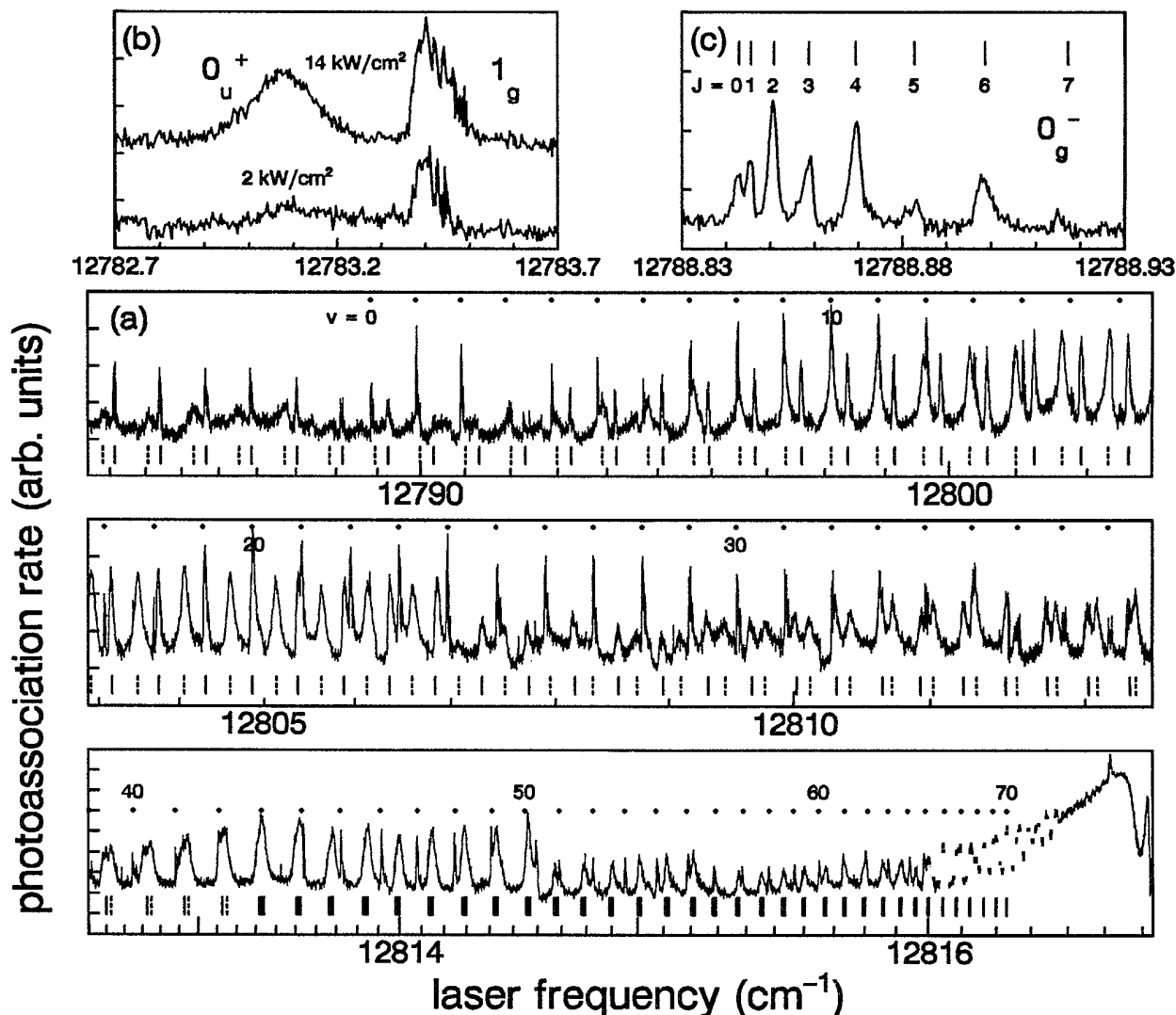


FIG. 1. High-resolution photoassociation spectrum of  $^{85}\text{Rb}_2$ . (a) Complete spectrum over the range within  $35 \text{ cm}^{-1}$  of the  $5^2S_{1/2} + 5^2P_{3/2}$  asymptote. Notice that the frequency scale is expanded as the dissociation limit is approached. Vibrational lines of the  $0_g^-$  pure long-range state are indicated by the dots above the spectrum. Vibrational lines associated with the  $0_u^+$  and  $1_g$  states are indicated by the dashed and solid lines below the spectrum, respectively. Above  $12\,813.5 \text{ cm}^{-1}$  these two series overlap, as indicated by the thick solid lines. (b) High-resolution scan showing the substructure of the  $0_u^+$  and  $1_g$  states. The  $0_u^+$  state exhibits predissociation broadening, whereas the  $1_g$  state displays hyperfine structure. (c) High-resolution scan of the  $v=0$  level of the  $0_g^-$  state, showing a well-resolved rotational series.