

AN ELECTRONIC VERSION OF THE TRANSMISSION SPECTRUM OF MOLECULAR IODINE, 14500-20000 cm<sup>-1</sup>

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The absorption spectrum of the  $B \leftarrow X$  transition of molecular iodine has been recorded at Doppler resolution, in the region 14500 - 20000 cm<sup>-1</sup>, on a Fourier transform spectrometer. Calibration has been checked against the Doppler-Free High Resolution Spectral Atlas of the Iodine Molecule<sup>a</sup> across the region common to both spectra. Our version of the iodine atlas, which was originally produced at Orsay,<sup>b</sup> avoids the need for systematic wavenumber corrections<sup>c</sup> to short-wavelength peaks, and should be compatible with any software. It has proved a convenient tool in our laboratory, and we hope others may also find it useful. The transmission spectrum is available, on request, as a single ascii file.

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<sup>a</sup>H. Katô and co-authors, published by the Japan Society for the Promotion of Science, (2000)

<sup>b</sup>S. Gerstenkorn & P. Luc, Atlas du Spectre d'Absorption de la Molécule d'Iode entre 14800-20000 cm<sup>-1</sup>, ed. CNRS (1978)

<sup>c</sup>S. Gerstenkorn & P. Luc, Revue de Physique Appliquée 14 791 (1979)