

## HIGH RESOLUTION SPECTRA OF ISOTOPIC OZONE IN THE 5 $\mu\text{m}$ REGION

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Eight high-resolution ( $0.002\text{ cm}^{-1}$ ) room-temperature absorption spectra of various isotopes of ozone have been recorded using the Bruker IFS 120 HR Fourier transform spectrometer (FTS) at the University of Denver. The data set included low-pressure (2 to 5 Torr) spectra of  $^{16}\text{O}_3$  alone, ozone enhanced with  $^{18}\text{O}$ , and ozone enhanced with  $^{17}\text{O}$ . A glass cell with path length of 120 cm was used in recording all the spectra, and the useful bandpass was approximately 1990 to  $2550\text{ cm}^{-1}$ . The wavelength scales of the spectra have been calibrated with respect to the  $^{12}\text{C}^{16}\text{O}$  1-0 line positions of Maki and Wells<sup>a</sup>, and determination of line positions, intensities, and assignments is in progress.

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<sup>a</sup>A. G. Maki and J. S. Wells, *J. Res. Nat. Bur. Stds.* **97**, 409-469 (1992).