

|              |             |       |                                   |
|--------------|-------------|-------|-----------------------------------|
| Species Tag: | 49001       | Name: | O3-sym-O-17                       |
| Version:     | 2           |       | Ozone,                            |
| Date:        | Mar. 1995   |       | symmetric <sup>17</sup> O isotope |
| Contributor: | E. A. Cohen |       |                                   |

|                            |        |           |           |
|----------------------------|--------|-----------|-----------|
| Lines Listed:              | 26092  | Q(300.0)= | 20803.525 |
| Freq. (GHz) <              | 4603   | Q(225.0)= | 13507.522 |
| Max. J:                    | 76     | Q(150.0)= | 7352.785  |
| LOGSTR0=                   | -8.5   | Q(75.00)= | 2605.615  |
| LOGSTR1=                   | -8.0   | Q(37.50)= | 928.081   |
| Isotope Corr.:             | -3.432 | Q(18.75)= | 334.464   |
| Egy. (cm <sup>-1</sup> ) > | 0.0    | Q(9.375)= | 123.884   |
| $\mu_a$ =                  |        | A=        | 102351.   |
| $\mu_b$ =                  | 0.5337 | B=        | 13350.8   |
| $\mu_c$ =                  |        | C=        | 11781.7   |

The spectra are from E. A. Cohen, K. W. Hillig II, and H. M. Pickett, 1995, J. Mol. Struct. **352/353**, 273. The calculation fixes centrifugal distortion constants beyond the sextic terms to those of the parent species with the exception of the coefficients of  $P_a^{2n}$  which are assumed to be proportional to  $A^n$ . The dipole moment was assumed to be the same as for the parent species, however centrifugal corrections have not been applied. Where several experimental lines have the same frequency, the uncertainties refer to the center of a blended feature, not to the individual components.