

Species Tag:	49002	Name:	O3-asym-O-17
Version:	2		Ozone,
Date:	Mar. 1984		asymmetric
Contributor:	E. A. Cohen		<sup>17</sup> O isotope
Lines Listed:	52613	Q(300.0)=	42098.453
Freq. (GHz) <	4681	Q(225.0)=	27331.975
Max. J:	77	Q(150.0)=	14876.039
LOGSTR0=	-8.6	Q(75.00)=	5268.769
LOGSTR1=	-8.3	Q(37.50)=	1873.796
Isotope Corr.:	-3.131	Q(18.75)=	672.414
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	246.163
$\mu_a$ =	0.0037	A=	105491.1
$\mu_b$ =	0.5337	B=	12951.3
$\mu_c$ =		C=	11508.0

The spectra are from E. A. Cohen, K. W. Hillig II, and H. M. Pickett, 1995, J. Mol. Struct. **352/353**, 273, as well as the more recently measured  $32_{2,30} - 32_{1,31}$  transition near 426012 MHz. 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 moments are assumed values based on the structure and the value 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.