

Species Tag:	48007	Name:	O3-2v2
Version:	2		Ozone,
Date:	March 1990		(020) or $2\nu_2$
Contributor:	H. M. Pickett		vibrational state

Lines Listed:	3031	Q(300.0)=	3553.040
Freq. (GHz) <	4861	Q(225.0)=	2230.489
Max. J:	74	Q(150.0)=	1198.671
LOGSTR0=	-9.9	Q(75.00)=	423.448
LOGSTR1=	-10.0	Q(37.50)=	150.038
Isotope Corr.:	0.0	Q(18.75)=	53.297
Egy. ( $\text{cm}^{-1}$ ) >	1399.3	Q(9.375)=	19.037
$\mu_a$ =		A=	109796.18
$\mu_b$ =	0.5324	B=	13273.15
$\mu_c$ =		C=	11694.07

The ozone spectrum was fitted using the microwave, millimeter, far-infrared, and infrared transitions given in H. M. Pickett *et al.*, 1988, J. Mol. Spect. **128**, 151. The dipole moment was assumed to be the same as for the ground state.