

Species Tag:	48001	Name:	SO
Version:	1		Sulfur monoxide
Date:	Dec. 1979		X $^3\Sigma$
Contributor:	H. M. Pickett		

Lines Listed:	330	Q(300.0)=	850.159
Freq. (GHz) <	2992	Q(225.0)=	632.266
Max. J:	51	Q(150.0)=	414.477
LOGSTR0=	-6.0	Q(75.00)=	197.515
LOGSTR1=	-7.8	Q(37.50)=	90.344
Isotope Corr.:	-0.022	Q(18.75)=	38.878
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	15.904
μ_a =	1.55	A=	
μ_b =		B=	21523.02
μ_c =		C=	

The calculational method is described in T. Amano and E. Hirota, 1974, J. Mol. Spect. **53**, 346. The data used are from W. W. Clark and F. C. De Lucia, 1976, J. Mol. Spect. **60**, 332. Both electric dipole and magnetic dipole transitions are listed. The electric dipole moment is from F. X. Powell and D. R. Lide, Jr., 1964, J. Chem. Phys. **41**, 1413.