

Species Tag:	50002	Name:	SO-18
Version:	1		X $^3\Sigma$,
Date:	Dec. 1979		^{18}O isotope
Contributor:	H. M. Pickett		

Lines Listed:	179	Q(300.0)=	917.487
Freq. (GHz) <	2537	Q(225.0)=	675.461
Max. J:	33	Q(150.0)=	446.684
LOGSTR0=	-5.0	Q(75.00)=	212.814
LOGSTR1=	-6.8	Q(37.50)=	97.118
Isotope Corr.:	-2.712	Q(18.75)=	41.601
Egy. (cm^{-1}) >	0.0	Q(9.375)=	16.885
μ_a =	1.55	A=	
μ_b =		B=	19929.
μ_c =		C=	

The calculational method is described in T. Amano and E. Hirota, 1974, J. Mol. Spect. **53**, 346. The value of $\gamma(1)$ was fixed at -156.51 MHz and $\rho(1)$ was set to zero. Both electric dipole and magnetic dipole transitions are listed in the catalog. The dipole moments were assumed to be the same as for the parent species. The data used are listed in E. Tiemann, 1974, J. Phys. Chem. Ref. Data **3**, 259.