

Species Tag:	48010	Name:	SO+
Version:	1		Ground
Date:	Dec. 1996		$^2\Pi_r$ States
Contributor:	J. C. Pearson		

Lines Listed:	194	Q(300.0)=	624.3847
Freq. (GHz) <	2291	Q(225.0)=	445.1934
Max. J:	50	Q(150.0)=	279.3410
LOGSTR0=	-8.0	Q(75.00)=	136.5347
LOGSTR1=	-8.0	Q(37.50)=	69.0386
Isotope Corr.:	-0.022	Q(18.75)=	35.3709
Egy. (cm^{-1}) >	0.0	Q(9.375)=	18.5670
$\mu_a =$	1.0	A=	
$\mu_b =$		B=	23249.1
$\mu_c =$		C=	

The data were taken from: T. Amano, T. Amano and H. E. Warner, 1992, J. Mol. Spectrosc. **146**, 519. The A value was fixed to the electronic emission value of I. W. Milkman, J. C. Ghoi, J. L. Hardwick and J. T. Moseley, 1988, J. Mol. Spectrosc. **130**, 20.

The dipole is unknown so a unit dipole was used in the calculations.

There have been several tentitively reportes of SO+ in the interstellar medium, however no convincing assignment has been published to date.