

Species Tag:	45001	Name:	C-13-S
Version:	2		Carbon monosulfide,
Date:	Jan. 1984		<sup>13</sup> C isotope
Contributor:	R. L. Poynter		

Lines Listed:	29	Q(300.0)=	270.645
Freq. (GHz) <	1337	Q(225.0)=	203.236
Max. J:	29	Q(150.0)=	135.550
LOGSTR0=	-3.7	Q(75.00)=	67.936
LOGSTR1=	-2.1	Q(37.50)=	34.127
Isotope Corr.:	-1.977	Q(18.75)=	17.235
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	8.790
$\mu_a$ =	1.957	A=	
$\mu_b$ =		B=	23123.856
$\mu_c$ =		C=	

The experimental measurements were reported by R. C. Mockler and G. R. Bird, 1955, Phys. Rev. **98**, 1837, and M. Bogey, C. Demuyneck, and J. L. Destombes, 1982, J. Mol. Spect. **95**, 35. The dipole moment was assumed to be the same as for the parent species. The maximum J and frequency were limited by the estimated uncertainty in the predicted lines.