

Species Tag:	56007	Name:	CCS
Version:	1		Dicarbon monosulfide,
Date:	Nov. 1993		CCS $^3\Sigma^-$ radical
Contributor:	E. A. Cohen		

Lines Listed:	563	Q(300.0)=	2844.129
Freq. (GHz) <	2032	Q(225.0)=	2020.090
Max. J:	99	Q(150.0)=	1396.403
LOGSTR0=	-8.0	Q(75.00)=	643.888
LOGSTR1=	-8.0	Q(37.50)=	314.781
Isotope Corr.:	0.0	Q(18.75)=	138.873
Egy. ( $\text{cm}^{-1}$ ) >	0.0	Q(9.375)=	56.463
$\mu_a =$	2.9	A=	
$\mu_b =$		B=	6477.75036(27)
$\mu_c =$		C=	

The measurements were taken from S. Yamamoto *et al.*, 1990, *Astrophys. J.* **361**, 318. The dipole moment was quoted in this paper from an *ab initio* calculation by A. Murakami. The relative weights of the reported measurements have been chosen to reproduce the molecular parameters in the referenced paper. An assigned uncertainty of 20 kHz for a line given unit weight in the paper produces approximately the same  $1\sigma$  uncertainties for calculated transitions as reported in the reference. Note that N is not a good quantum number and that in this calculation the naming of the  $N_J = 2_1$  and  $0_1$  is the reverse of that in the reference.