

Species Tag:	92001	Name:	C5S
Version:	1		
Date:	Jan. 1996		X $^1\Sigma^+$
Contributor:	J. C. Pearson		

Lines Listed:	99	Q(300.0)=	5227.015
Freq. (GHz) <	183	Q(225.0)=	4371.654
Max. J:	99	Q(150.0)=	3219.957
LOGSTR0=	-7.2	Q(75.00)=	1689.457
LOGSTR1=	-5.8	Q(37.50)=	847.178
Isotope Corr.:	-0.046	Q(18.75)=	423.753
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	212.042
μ_a =	1.0	A=	
μ_b =		B=	922.7
μ_c =		C=	

The experimental measurements are from: Y. Kasai, O. Kinichi, Y. Oshima, Y. Hirahara, Y. Endo, K. Kawaguchi and A. Murakami, 1993, *Astrophys. J.* **410**, L45.

The dipole is not known so the calculation has been done with unit dipole. The dipole is believed to be at least 3 Debye.