

Species Tag:	62006	Name:	C5D
Version:	1		2,4-Pentadiynylidyne
Date:	Jan. 1996		deuterium isotope,
Contributor:	J. C. Pearson		X $^2\Pi$ states

Lines Listed:	4436	Q(300.0)=	30492.8367
Freq. (GHz) <	1303	Q(225.0)=	22913.4567
Max. J:	99	Q(150.0)=	14870.1208
LOGSTR0=	-10.0	Q(75.00)=	6766.2080
LOGSTR1=	-10.0	Q(37.50)=	2903.8713
Isotope Corr.:	-3.824	Q(18.75)=	1207.1955
Egy. (cm^{-1}) >	0.0	Q(9.375)=	537.6068
μ_a =	4.881	A=	
μ_b =		B=	2262.1
μ_c =		C=	

The observed lines are from: T. Hirota, H. Ozawa, Y. Sekimoto and S. Yamamoto, 1995, J. Mol. Spect. **174**, 196. C. A. Gottlieb, J. C. Pearson, D. R. Woodward and P. Thaddeus, 1988, Private Communication.

The dipole was calculated by D. E. Woon, 1995, Private Communication.