

Species Tag:	88001	Name:	C6O
Version:	1		Hexacarbon monoxide
Date:	April 1996		X $^3\Sigma^-$
Contributor:	H. S. P. Müller		

Lines Listed:	567	Q(300.0)=	21997.6444
Freq. (GHz) <	208	Q(225.0)=	16479.0126
Max. J:	99	Q(150.0)=	10960.8936
LOGSTR0=	-9.5	Q(75.00)=	5443.4866
LOGSTR1=	-7.0	Q(37.50)=	2685.5413
Isotope Corr.:		Q(18.75)=	1307.7628
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	621.0766
μ_a =	3.630	A=	
μ_b =		B=	849.7571
μ_c =		C=	

The data were taken from Y. Ohshima, Y. Endo, and T. Ogata, 1995, J. Chem. Phys. **102** 1493.

The dipole moment is from an *ab initio* calculation: N. Moazzen-Ahmadi and F. Zerbetto, 1995, J. Chem. Phys. **103**, 6343.

The partition function has been calculated up to $J = 360$ because of the low rotational constant.