

Species Tag:	46012	Name:	HOC-13-O+
Version:	1		Protonated $^{13}\text{CO}_2$
Date:	March 1995		
Contributor:	H. M. Pickett		

Lines Listed:	1735	Q(300.0)=	2372.466
Freq. (GHz) <	9983	Q(225.0)=	1694.338
Max. J:	30	Q(150.0)=	998.160
LOGSTR0=	-7.9	Q(75.00)=	365.763
LOGSTR1=	-8.0	Q(37.50)=	129.658
Isotope Corr.:	0.0	Q(18.75)=	46.720
Egy. (cm^{-1}) >	0.0	Q(9.375)=	19.266
μ_a =	2.0	A=	789184.928
μ_b =	2.8	B=	10772.897
μ_c =		C=	10608.499

The line measurements are from M. Bogey, C. Demuynek, J. L. Destombes, and A. Krupnov, 1988, *J. Mol. Struct.* **190**, 465 and M. Bogey, C. Demuynek, and J. L. Destombes, 1986, *J. Chem. Phys.* **84**, 10. The dipole moments are based on calculations by S. Green *et al.*, 1976, *Chem. Phys.* **17**, 479, but have not been corrected for any shift in inertial axes with substitution.