

Species Tag:	30002	Name:	HC-13-O+
Version:	2		Formyl cation
Date:	Mar. 2007		Oxomethylum,
Contributor:	B. J. Drouin		X $^1\Sigma^+$
			^{13}C isotope
Lines Listed:	40	Q(300.0)=	144.5147
Freq. (GHz) <	3561	Q(225.0)=	108.4564
Max. J:	40	Q(150.0)=	72.4065
LOGSTR0=	-10.0	Q(75.00)=	36.3666
LOGSTR1=	-8.0	Q(37.50)=	18.3516
Isotope Corr.:	-1.955	Q(18.75)=	9.3479
Egy. (cm^{-1}) >	0.0	Q(9.375)=	4.8522
$\mu_a =$	3.888	A=	
$\mu_b =$		B=	43377.32
$\mu_c =$		C=	

Two lines of this molecule have been measured by R. C. Woods, R. J. Saykally, T. A. Dixon, P. G. Szanto, and T. Anderson, 1976, 31st Symposium on Molecular Spectroscopy, Columbus, Ohio, and by M. Bogey, C. Demuynck, and J. L. Destombes, 1981, *Mol. Phys.* **43**, 1043. Remaining data is from V. Lattanzi, A. Walters, B. J. Drouin and J.C. Pearson, 2007, *Astrophys. J.* **662**. The dipole moment was assumed to be the same as for the parent species.