

Species Tag:	30010	Name:	HOC-13+
Version:	1		Hydroxymethylidynium,
Date:	Jan. 1996		X $^1\Sigma^+$ ,
Contributor:	J. C. Pearson		$^{13}\text{C}$ isotope
Lines Listed:	40	Q(300.0)=	146.236
Freq. (GHz) <	3400	Q(225.0)=	109.740
Max. J:	40	Q(150.0)=	73.258
LOGSTR0=	-3.2	Q(75.00)=	36.790
LOGSTR1=	-3.2	Q(37.50)=	18.563
Isotope Corr.:	-1.955	Q(18.75)=	9.453
Egy. ( $\text{cm}^{-1}$ ) >	0.0	Q(9.375)=	4.905
$\mu_a$ =	4.0	A=	
$\mu_b$ =		B=	42876.6
$\mu_c$ =		C=	

The observed line is from: C. S. Gudeman and R. C. Woods, 1982, Phys. Rev. Lett. **48**, 1344. The dipole was estimated by Gudeman and Woods.

Since it is impossible to get a meaningful least squares fit of one line, the D constant was taken from the normal species with uncertainty increased according to the ratio of the B constants and the B constant was assigned the ground states uncertainty.