

Species Tag:	31002	Name:	H2C-13-O
Version:	1		Formaldehyde,
Date:	Jan. 1980		<sup>13</sup> C isotope
Contributor:	R. L. Poynter		
Lines Listed:	601	Q(300.0)=	2949.850
Freq. (GHz) <	2985	Q(225.0)=	1925.307
Max. J:	30	Q(150.0)=	1047.611
LOGSTR0=	-9.2	Q(75.00)=	370.937
LOGSTR1=	-6.2	Q(37.50)=	131.856
Isotope Corr.:	-1.995	Q(18.75)=	45.783
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	14.129
$\mu_a$ =	2.331	A=	281930.85
$\mu_b$ =		B=	37811.92
$\mu_c$ =		C=	33213.19

The experimental measurements were analyzed using the methods described in W. H. Kirchhoff, 1972, J. Mol. Spect. **41**, 333. The measurements were taken from: D. Dangoisse, E. Willemot, and J. Bellet, 1978, J. Mol. Spect. **71**, 414. D. R. Johnson, F. Lovas, and W. H. Kirchhoff, 1972, J. Phys. Chem. Ref. Data **1**, 1011. R. B. Lawrence and M. W. P. Strandberg, 1951, Phys. Rev. **83**, 363. R. Nerf, 1972, Astrophys. J. **174**, 467. T. Oka, H. Hirakawa, and K. Shimoda, 1960, J. Phys. Soc. Jap. **15**, 2265. T. Oka, T. Takagi, and Y. Morino, 1964, J. Mol. Spect. **14**, 27. K. D. Tucker, G. R. Tomasevich, and P. Thaddeus, 1972, Astrophys. J. **174**, 463, and 1971, Astrophys. J. **169**, 429. The dipole moment was assumed to be the same as for the parent H<sub>2</sub>CO.