

Species Tag:	32004	Name:	H2CO-18
Version:	1		Formaldehyde,
Date:	Feb. 1980		¹⁸ O isotope
Contributor:	R. L. Poynter		

Lines Listed:	449	Q(300.0)=	3017.171
Freq. (GHz) <	1424	Q(225.0)=	1959.747
Max. J:	20	Q(150.0)=	1066.842
LOGSTR0=	-8.8	Q(75.00)=	379.228
LOGSTR1=	-9.3	Q(37.50)=	134.865
Isotope Corr.:	0	Q(18.75)=	46.806
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	14.441
μ_a =	-2.331	A=	281993.0
μ_b =		B=	36903.6
μ_c =		C=	32514.7

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.

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.

R. D. Tucker, G. R. Tomasevich, and P. Thaddeus, 1972, *Astrophys. J.* **174**, 463, 1971, and *Astrophys. J.* **169**, 429.

The dipole moment was assumed to be the same as for the parent species.