

Species Tag: 46003 Name: H2CS  
Version: 1 Thioformaldehyde  
Date: Jan. 1980  
Contributor: R. L. Poynter

Lines Listed: 517 Q(300.0)= 5984.115  
Freq. (GHz) < 938 Q(225.0)= 3760.971  
Max. J: 27 Q(150.0)= 2088.815  
LOGSTR0= -9.1 Q(75.00)= 750.067  
LOGSTR1= -10.0 Q(37.50)= 265.644  
Isotope Corr.: -0.022 Q(18.75)= 91.180  
Egy. ( $\text{cm}^{-1}$ ) > 0.0 Q(9.375)= 27.523  
 $\mu_a$  = 1.649 A= 291291.641  
 $\mu_b$  = B= 17699.628  
 $\mu_c$  = C= 16651.830

The experimental measurements were analyzed using the methods described in W. H. Kirchhoff, 1972, J. Mol. Spect. **41**, 333. The measurements and other references were taken from D. R. Johnson, F. J. Lovas, and W. H. Kirchhoff, 1972, J. Phys. Chem. Ref. Data **1**, 1011. The dipole moment was taken from B. Fabricant, D. Krieger, and J. S. Muenter, 1977, J. Chem. Phys. **67**, 1576.