

Species Tag:	45005	Name:	HCS+
Version:	1		Thioformyl cation /
Date:	Jan. 1990		Thioxomethylum,
Contributor:	R. L. Poynter		X $^1\Sigma^+$
Lines Listed:	64	Q(300.0)=	293.495
Freq. (GHz) <	2709	Q(225.0)=	220.141
Max. J:	64	Q(150.0)=	146.859
LOGSTR0=	-4.4	Q(75.00)=	73.587
LOGSTR1=	-6.3	Q(37.50)=	36.957
Isotope Corr.:	-0.022	Q(18.75)=	18.647
Egy. (cm^{-1}) >	0.0	Q(9.375)=	9.495
$\mu_a =$	1.86	A=	10691.406(43)
$\mu_b =$		B=	
$\mu_c =$		C=	

The measured lines were taken from P. Thaddeus *et al.*, 1981, *Astrophys. J. Lett.* Ed. **246**, L41, and C.S. Gudeman *et al.*, 1981, *Astrophys. J. Lett.* Ed. **246**, L47. The dipole moment was obtained from a CI calculation reported in the Gudeman paper.