

Species Tag:	67001	Name:	OCl-35-O
Version:	2		Chlorine dioxide, X 2B_1
Date:	June 1997		^{35}Cl isotope
Contributor:	H. S. P. Müller		

Lines Listed:	57232	Q(300.0)=	53692.691
Freq. (GHz) <	3430	Q(225.0)=	34883.128
Max. J:	80	Q(150.0)=	19012.112
LOGSTR0=	-8.3	Q(75.00)=	6760.418
LOGSTR1=	-7.3	Q(37.50)=	2421.250
Isotope Corr.:	-0.122	Q(18.75)=	879.102
Egy. (cm^{-1}) >		Q(9.375)=	327.910
μ_a =		A=	52081.249
μ_b =	1.79195	B=	9952.605
μ_c =		C=	8334.219

The lines were taken from (1) M. Tanoura, K. Chiba, K. Tanaka, and T. Tanaka, 1982, *J. Mol. Spect.* **95**, 157 and (2) H. S. P. Müller, G. O. Sørensen, M. Birk, and R. R. Friedl, 1997, *J. Mol. Spect.* **186**, 177. The Hamiltonian is the same as used in (2). The fit is a combined one for both isotopomers. The archived files are consequently for both isotopomers; a parameter file from a fit using Watson's A reduction is archived as oclO.A.par. The dipole moment is from (3) K. Tanaka and T. Tanaka, 1983, *J. Mol. Spect.* **98**, 425.