

Species Tag:	113001	Name:	OBr-81-O
Version:	1		Bromine dioxide, X 2B_1
Date:	June 1997		^{81}Br isotope
Contributor:	H. S. P. Müller		

Lines Listed:	52631	Q(300.0)=	92550.906
Freq. (GHz) <	2000	Q(225.0)=	60143.825
Max. J:	80	Q(150.0)=	32761.294
LOGSTR0=	-8.5	Q(75.00)=	11630.398
LOGSTR1=	-6.3	Q(37.50)=	4152.689
Isotope Corr.:	-0.306	Q(18.75)=	1498.684
Egy. (cm^{-1}) >		Q(9.375)=	552.340
μ_a =		A=	27824.891
μ_b =	2.81	B=	8233.255
μ_c =		C=	6335.137

The lines, the Hamiltonian, and the fitting are described in H. S. P. Müller, C. E. Miller, and E. A. Cohen, 1997, J. Chem. Phys. **107**, 8292. The dipole moment was also from that study. The parameters used in the combined fit of both isotopomers and all observed vibrational states are archived under tag no. 111001.