

Species Tag:	97001	Name:	Br-81-O
Version:	2		Bromine monoxide, $v = 0$
Date:	Aug. 2000		^{81}Br isotope,
Contributor:	E. A. Cohen		X_1 $^2\Pi_{3/2}$ and X_2 $^2\Pi_{1/2}$ states

Lines Listed:	1892	Q(300.0)=	3957.594
Freq. (GHz) <	2164	Q(225.0)=	2944.406
Max. J:	86.5	Q(150.0)=	1957.963
LOGSTR0=	-8.0	Q(75.00)=	977.877
LOGSTR1=	-8.0	Q(37.50)=	488.157
Isotope Corr.:	-0.306	Q(18.75)=	243.324
Egy. (cm^{-1}) >	0.0	Q(9.375)=	120.855
$\mu_a =$	1.780	A=	
$\mu_b =$		B=	12726.305
$\mu_c =$		C=	

The spectrum was calculated from a combined fit of rotational spectra of all four isotopic species $^{79,81}\text{Br}^{16,18}\text{O}$ as well as available infrared spectra. The fit is described by B. J. Drouin, *et al.* 2001, *J. Mol. Spectrosc.* **205**, 128-138. The data and parameter files have been deposited with the journal. Note that the quantum number field has been changed. In this version it is N , Λ , v , $J + 1/2$, F .