

Species Tag:	18001	Name:	OD
Version:	1		Hydroxyl radical,
Date:	May 1983		X $^2\Pi$ states
Contributor:	H. M. Pickett		deuterium isotope

Lines Listed:	912	Q(300.0)=	212.422
Freq. (GHz) <	9926	Q(225.0)=	153.391
Max. J:	17	Q(150.0)=	97.477
LOGSTR0=	-10.3	Q(75.00)=	48.967
LOGSTR1=	-10.3	Q(37.50)=	30.896
Isotope Corr.:	-3.824	Q(18.75)=	25.021
Egy. ( $\text{cm}^{-1}$ ) >	0.0	Q(9.375)=	24.010
$\mu_a$ =	1.653	A=	
$\mu_b$ =		B=	296312.
$\mu_c$ =		C=	

The microwave data have been reported in R. A. Beaudet and R. L. Poynter, 1978, J. Phys. Chem. Ref. Data **7**, 311. Additional data have been reported in J. M. Brown and J. E. Schubert, 1982, J. Mol. Spect. **95**, 194. Predictions of the rotational lines were included in the fit. The calculation involved fitting the spectra to effective parameters for the two  $^2\Pi$  states.