

Species Tag:	21001	Name:	HDO-18
Version:	1		Water,
Date:	Jan. 1991		singly deuterated ¹⁸ O
Contributor:	E. A. Cohen		isotope

Lines Listed:	952	Q(300.0)=	148.730
Freq. (GHz) <	9981	Q(225.0)=	96.783
Max. J:	13	Q(150.0)=	52.954
LOGSTR0=	-8.9	Q(75.00)=	19.081
LOGSTR1=	-8.8	Q(37.50)=	7.034
Isotope Corr.:	-6.2130	Q(18.75)=	2.740
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	1.341
μ_a =	0.6715	A=	692844.04
μ_b =	1.7261	B=	271457.501
μ_c =		C=	190812.982

We have used G. Steenbeckeliers' microwave data as compiled by F. J. Lovas, 1978, J. Phys. Chem. Ref. Data **7**, 1445. These data have been combined with energy levels derived by R. A. Toth, private communication, from new high-resolution infrared spectra to produce the fit upon which the calculation is based. The dipole moment components were estimated from those of HDO.