

Species Tag:	20001	Name:	D2O
Version:	2		Water,
Date:	Dec. 1989		doubly deuterated
Contributor:	H. M. Pickett		
	R. L. Poynter		
Lines Listed:	1137	Q(300.0)=	1044.720
Freq. (GHz) <	9998	Q(225.0)=	679.517
Max. J:	18	Q(150.0)=	371.193
LOGSTR0=	-9.3	Q(75.00)=	133.107
LOGSTR1=	-11.5	Q(37.50)=	48.562
Isotope Corr.:	-7.648	Q(18.75)=	18.557
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	8.644
μ_a =		A=	462278.8
μ_b =	1.8545	B=	218038.4
μ_c =		C=	145258.0

The far-infrared data used in this fit are from J. W. C. Johns, 1985, *J. Opt. Soc. Am. B Opt. Phys.* **2**, 1340.

The dipole moment is from T. R. Dyke and J. S. Muentner, 1973, *J. Chem. Phys.* **59**, 3125.

The microwave and submillimeter lines are from: J. Bellet and G. Steenbeckeliers, 1970, *Compt. Rend. Acad. Sci.* **271B**, 1208. W. S. Benedict *et al.*, 1970, *J. Chem. Phys.* **53**, 2565. H. Bluysen, 1978, Thesis, Nijmegen. G. Eriandsson and J. Cox, 1956, *J. Chem. Phys.* **25**, 778. C. K. Jen, D. R. Bianco, and J. T. Massey, 1953, *J. Chem. Phys.* **21**, 520. J. K. Messer, F. C. De Lucia, and P. Helminger, 1984, *J. Mol. Spect.* **105**, 139. G. Steenbeckeliers and J. Bellet, 1970, *Compt. Rend. Acad. Sci.* **270B**, 1039. G. Steenbeckeliers and J. Bellet, 1970, *J. Mol. Spect.* **45**, 10. D. A. Stephenson and R. G. Strauch, 1970, *J. Mol. Spect.* **35**, 494. J. Verhoeven, H. Bluysen, and A. Dymanus, 1968, *Phys. Letters* **26A**, 424.