

Species Tag:	65002	Name:	H18ONO2
Version:	1		<sup>18</sup> O - Nitric acid
Date:	Dec. 2005		
Contributor:	B. J. Drouin		

Lines Listed:	40392	Q(300.0)=	29571.5321
Freq. (GHz) <	1800	Q(225.0)=	19202.2163
Max. J:	99	Q(150.0)=	10450.4907
LOGSTR0=	-7.0	Q(75.00)=	3695.7274
LOGSTR1=	-7.0	Q(37.50)=	1308.0623
Isotope Corr.:	-2.702	Q(18.75)=	463.6179
Egy. (cm <sup>-1</sup> ) >	0.0	Q(9.375)=	164.7553
$\mu_a$ =	1.828	A=	12970.7833
$\mu_b$ =	1.175	B=	11274.0159
$\mu_c$ =		C=	6023.1679

Frequencies from A. P. Cox and J. M. Riveros, 1965, J. Chem. Phys. **42**, 3106; M. E. Ott, M. B. Craddock and K. R. Leopold, 2005, J. Mol. Spec. 229(2), 286-289; and B. J. Drouin *et. al*, J. Mol. Spec. *accepted Dec. 2005* are fit. Nitrogen quadrupole coupling has been ignored. The dipole moment was taken from the remeasurements report by Cox for the main isotopomer and rotated into the inertial frame of the isotopologue. The vibrational partitioning has been ignored in the catalog prediction.