Species Tag:	30011	Name:	NO+
Version:	1		Nitrosyl cation,
Date:	Jan. 1996		X $^1\Sigma^+$
Contributor:	J. C. Pearson		
Lines Listed:	154	Q(300.0)=	315.814
Freq. (GHz) <	3675	Q(225.0)=	237.103
Max. J:	30	Q(150.0)=	158.382
LOGSTR0=	-8.0	Q(75.00)=	79.685
LOGSTR1=	-8.0	Q(37.50)=	40.351
Isotope Corr.:	0.0	Q(18.75)=	20.699
Egy. (cm^{-1}) >	0.0	Q(9.375)=	10.898
μ_a =	0.5	A=	
μ_b =		B=	59597.1
μ_c =		C=	

The experimental measurements were reported by W. C. Bowman, E. Herbst and F. C. De Lucia, 1982, J. Chem. Phys. **77**, 4261. The dipole moment has been calculated to be 0.66(38) Debye by Ch. Jungen and H. Lefebvre-Brion, 1970, J. Mol. Spect. **33**, 520. Another calculation by F. P. Billingsley, 1973, Chem. Phys. Lett. **23**, 160 placed the value at 0.31 Debye. An intermediate value of 0.5 was used in the calculation.