

Species Tag:	63007	Name:	PS
Version:	1		$nu=0,1$
Date:	Jan. 1997		$^2\Pi_r$ States
Contributor:	J. C. Pearson		

Lines Listed:	2340	Q(300.0)=	3522.0557
Freq. (GHz) <	1733	Q(225.0)=	2406.1374
Max. J:	99	Q(150.0)=	1476.0583
LOGSTR0=	-10.0	Q(75.00)=	708.1562
LOGSTR1=	-10.0	Q(37.50)=	354.8808
Isotope Corr.:	-0.022	Q(18.75)=	179.0140
Egy. (cm^{-1}) >	0.0	Q(9.375)=	91.1080
$\mu_a =$	2.0	A=	
$\mu_b =$		B=	8895.8
$\mu_c =$		C=	

The data were taken from: M. Ohishi, S. Yamamoto, S. Saito, K. Kawaguchi, H. Suzuki, N. Kaifu, S-I Ishikawa, S. Takano, T. Tsujo and W. Unno, 1988, *Astrophys. J.* **329**, 511 and K. Kawaguchi, E. Hirota, M. Ohishi, H. Suzuki, S. Takano, S. Yamamoto and S. Saito, 1988, *J. Mol. Spectrosc.* **130**, 81. The ground state A value was fixed to the electronic emission value of N. A. Narasimham and T. K. Balasubramanian, 1971, *J. Mol. Spectrosc.* **37**, 371.

The dipole is unknown so the 2.0 Debye estimate of Ohishi *et al.* dipole was used in the calculations.