

Molecular spectroscopic constants (cm^{-1}) of the B $^3\Sigma_u^-$ state $v = 0 - 17$ of $^{18}\text{O}_2$. Parameters in square brackets have interpolated values.

v	T(v)	B	10^5D	λ	$-\gamma$	$-10^4\gamma_{\text{D}}$
2	50660.44(8)	0.6996(9)	0.44	[1.70]	[0.019]	
3	51268.75(7)	0.6876(4)	0.44	[1.71]	[0.019]	
4	51856.02(10)	0.6737(6)	0.44	[1.73]	[0.020]	
5	52421.45(8)	0.6604(3)	0.48	[1.76]	[0.020]	
6	52960.30(10)	0.6451(7)	0.55(8)	[1.79]	[0.021]	
7	53473.87(9)	0.6313(7)	0.66(10)	[1.82]	[0.021]	
8	53959.67(3)	0.6124(2)	0.62(3)	[1.86]	0.017(1)	
9	54416.32(7)	0.5931(4)	0.72(4)	[1.92]	0.020(2)	
10	54840.51(10)	0.5724(7)	0.82(9)	[1.99]	[0.024]	
11	55230.80(3)	0.5471(2)	0.76(3)	2.04(3)	0.027(1)	
12	55584.79(1)	0.5214(1)	0.94(1)	2.29(1)	0.043(1)	0.12(2)
13	55899.88(2)	0.4928(1)	1.18(2)	2.46(2)	0.059(2)	0.11(3)
14	56174.43(2)	0.4607(2)	1.39(2)	2.64(2)	0.071(3)	0.31(5)
15	56408.35(2)	0.4251(2)	1.57(2)	2.96(2)	0.101(2)	0.43(4)
16	56602.74(4)	0.3872(3)	1.76(6)	3.48(2)	0.148(4)	0.36(9)
17	56760.51(3)	0.3493(3)	2.29(6)	4.24(3)	0.207(4)	0.9(1)
18	56885.81(4)	0.3113(8)	3.65(3)	5.21(3)	0.306(3)	

References:

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