

The Term Values of the  $b'(v) \ ^1\Sigma_u^+$  Level of  $^{15}\text{N}_2$ . Values with B are averaged of all blended lines.

J	$v = 1$	$v = 2$	$v = 3$	$v = 4$	$v = 5$	$v = 6$	$v = 8$	$v = 9$
0	104419.9	105128.7	105824.1	106567.6	107227.0	107874.9B	109383.1	110022.4
1	104422.0	105131.0	105826.5	106570.0	107229.3	107877.4B	109385.6B	110024.5
2	104426.3	105135.0B	105830.8	106574.6	107233.9	107881.4B	109389.5	110028.6
3	104432.6	105141.7	105837.0	106581.6	107240.5	107888.7B	109396.1	110035.1
4	104441.2	105150.2	105845.9	106591.0	107249.1	107897.3	109404.6	110043.4
5	104452.1	105160.7	105856.6	106602.8	107259.9	107908.6B	109415.5	110053.8
6	104465.0	105173.6	105869.7	106617.0	107272.8	107922.1	109428.3	110066.3
7	104480.0	105188.7B	105884.7	106634.1	107288.1	107938.0	109443.4	110080.8
8	104497.4	105205.6	105902.0	106652.9	107305.4	107955.8	109460.6	110097.7
9	104516.8		105921.3	106673.5	107325.2	107976.3	109480.1	110116.4
10	104538.6	105246.3	105943.0	106699.2	107346.7	107998.4	109501.7	110137.2
11				106726.7B	107370.5		109525.4	110160.2
12				106758.1B	107396.6		109551.4	110185.3
13								110212.3
14								110241.5

  

J	$v = 10$	$v = 11$	$v = 12$	$v = 13$	$v = 14$	$v = 15$	$v = 16$	$v = 17$
0	110717.5B	111348.7	111991.2	112627.8	113255.0	113871.9	114473.5	115057.6
1	110719.6	111350.8	111993.2	112629.8	113256.8	113873.2	114475.3	115059.2
2	110723.9	111354.9	111997.2	112633.9	113260.7	113877.2	114479.4	115063.2
3	110730.8	111361.0	112003.3	112640.0	113266.8	113883.1	114485.5	115069.3
4	110739.9	111369.2	112011.3	112648.2	113274.5	113890.8	114493.3	115077.1
5	110751.3	111379.4	112021.3	112658.6	113284.4	113900.5	114503.2	115087.1
6	110765.2	111391.7	112033.3	112672.1	113296.2	113912.3	114515.1	115099.0
7	110781.7	111406.1	112047.4	112684.0	113310.0	113926.1	114528.8	115112.9
8	110800.8	111422.6	112063.5		113325.8	113941.7	114544.5	115128.8
9	110822.7	111441.1	112081.5		113343.6	113959.3	114562.2	115146.6
10	110847.8	111462.0	112101.5		113363.3	113978.9	114581.6	115166.4
11	110868.6		112123.6		113385.0	114000.4	114603.1	115188.0
12			112147.6		113408.8	114023.8	114626.5	115211.9
13			112173.7		113434.4	114049.3	114651.9	115239.1
14			112201.6		113462.2	114076.6	114679.1	115271.8
15			112231.8		113492.0	114105.9	114708.3	115301.7
16			112263.7		113524.5	114136.9	114739.3	
17						114170.2		
18						114205.0		

J	$v = 18$	$v = 19$	$v = 20$	$v = 21$	$v = 24$	$v = 25$
0	115992.9B	116328.8B	116869.6	117359.1	119065.1B	119493.0
1	115995.6B	116331.4B	116871.5	117361.0	119066.8	119494.4
2	116000.9B	116336.2B	116875.6	117365.1	119070.7	119498.9
3	116008.5B	116343.7B	116881.9	117371.3	119076.2	119505.1
4	116019.4B	116353.7B	116889.9	117379.5	119084.0	119513.4
5	116032.7	116365.8	116900.1	117389.8	119093.7	119523.7
6	116048.7	116380.7	116912.3	117402.0	119105.4	119536.0
7	116067.2	116398.0	116926.6	117416.3	119119.2	119550.5
8	116088.5	116417.9	116942.9	117432.6	119135.0	119566.9
9	116112.1	116440.4	116961.3	117451.0	119152.7	119585.4
10	116138.5	116465.2	116981.8	117471.3	119172.6	119605.7
11	116167.3	116489.9	117004.3	117493.4	119193.9	119628.2
12	116198.9	116519.6	117028.9	117517.9	119218.0	119652.3
13	116232.4	116551.7	117055.8			
14	116268.7	116585.0	117084.8			
15	116307.2		117116.0			
16	116347.4		117149.8			