

The Term Values of the $b'(v) \ ^1\Sigma_u^+$ Level of N_2 . Values with B are averaged of all blended lines.

J	$v = 1$	$v = 2$	$v = 3$	$v = 4$	$v = 5$	$v = 6$	$v = 7$	$v = 8$
0	104417.9	105150.7	105868.9B	106646.5	107325.8	107998.5B	108851.8	
1	104420.2	105153.1	105871.3	106648.9	107328.1	108000.9B	108954.5	109546.1
2	104425.1	105157.6	105876.0	106654.1	107333.0	108005.3B	108959.9	109550.7
3	104431.8	105164.5	105883.0	106661.7	107339.9	108012.9B	108968.1	109557.2
4	104441.1	105173.8	105892.2	106672.0	107349.2	108022.4	108979.1	109566.7
5	104452.6	105185.3	105903.8	106684.7	107360.7	108034.3B	108992.6	109578.1
6	104466.5	105199.1	105917.8	106700.3	107374.7	108048.7B	109009.1	109591.9
7	104482.6	105215.0	105933.8	106718.2	107390.9	108065.5B	109028.2	109608.0
8	104501.1	105233.2	105952.4	106738.7	107409.4	108084.5B	109050.5	109626.4
9	104522.2	105254.0	105973.2	106762.8	107430.2	108106.1	109075.5	109647.3
10	104546.2	105276.8	105996.4	106789.8	107453.4	108129.8	109103.4	109670.4
11	104566.6	105302.0	106021.7	106820.1	107478.9	108156.1	109134.4	109695.9
12	104596.1B	105329.5	106049.2	106853.5	107506.8	108184.5	109168.3	109723.6
13	104625.9	105359.1	106079.3		107536.9	108215.2		109753.6
14	104658.7B	105391.2	106111.5		107569.3	108248.5		109786.3
15	104692.6	105425.4	106146.0		107604.0	108283.6		109821.2
16		105461.7	106183.0		107641.1	108321.2		109858.6
17		105500.5	106222.5		107680.6	108361.1		109898.4
18		105541.5	106265.5B		107722.3	108403.1		109941.1
19		105584.8	106303.7		107766.5	108447.5		109986.1
20		105630.1			107812.9	108494.1		110033.8
21		105677.9			107861.9	108543.0		110084.4
22		105727.8			107913.4			110136.9B
23					107967.0			110193.6
24								110252.9
25								110321.4

J	$v = 9$	$v = 10$	$v = 11$	$v = 12$	$v = 13$	$v = 14$	$v = 15$	$v = 16$
0	110196.5	110942.2	111580.9	112238.4	112907.7B	113540.4	114169.3B	114753.78
1	110198.7	110944.6	111583.0	112240.4	112910.1	113542.2	114171.6	114756.44
2	110203.3	110949.6	111587.4	112244.7	112914.7	113546.5	114175.7	114762.08
3	110210.1	110957.0	111594.0	112251.2	112921.8	113552.9	114182.0	114770.09
4	110219.1	110967.0	111602.7	112259.7	112931.3	113561.3	114190.4	114780.53B
5	110230.3	110979.6	111613.7	112270.4	112943.7B	113571.8	114200.8	114793.13
6	110243.8	110994.8	111626.8	112283.3	112958.5	113584.5	114213.5	114807.90
7	110259.5	111012.7	111642.2	112298.3	112977.5	113599.3	114228.1	114824.74
8	110277.5	111033.6	111659.7	112315.5	113000.7	113616.3	114244.9	114843.57
9	110297.7	111057.4	111679.5	112334.6	112998.5	113635.3	114263.7	114864.30
10	110320.1	111084.4	111701.3	112356.2	113026.2B	113656.4	114284.6	114886.78
11	110344.7	111115.1	111725.6	112379.7	113055.7	113679.7	114307.7	114911.48
12	110371.7	111149.6	111752.5	112405.3	113088.4	113704.9	114332.8	114937.69
13	110400.7	111189.1	111781.7	112433.2	113125.7	113732.7	114359.9	114965.91
14	110432.1	111230.8	111815.1	112463.1		113762.3	114389.1	114996.01
15	110465.6		111840.4	112495.1		113794.1	114420.3	115027.97
16	110501.3		111877.0	112529.4		113828.6	114453.6	115061.90
17	110539.2		111915.2	112565.6		113866.1	114489.0	115097.77
18	110579.3		111955.0	112604.1		113909.9B	114526.4	115135.56
19	110621.6		111997.4	112644.6		113935.5	114565.9	115175.27
20	110666.0		112041.8	112687.3		113979.8	114607.3	115216.96
21	110713.0		112088.6	112732.0		114025.1	114650.9	115260.55
22	110761.9		112138.0	112778.9		114071.8	114696.4	115306.16
23	110813.3		112189.8	112828.0		114121.4	114744.0	115353.58
24			112244.3	112879.4		114172.9	114793.5	115403.02
25			112299.7	112932.5		114227.2	114845.2	
26			111362.4	112988.2		114284.4	114898.8	
27			111421.2	113045.7		114344.1B		
28						114402.4		
29						114458.2		
30						114526.9		

J	$v = 17$	$v = 18$	$v = 19$	$v = 20$	$v = 21$	$v = 22$	$v = 23$	$v = 24$
0	115369.2	116206.5	116682.4	117204.6	117680.2B		118967.7	119429.4
1	115371.4	116209.0	116684.5	117206.7	117684.1	118487.0	118969.9	119431.4
2	115375.9	116214.2	116688.9	117211.0	117687.2B	118491.6	118973.9	119435.7
3	115382.5	116221.9	116695.5	117217.5	117695.2B	118498.1	118980.2	119442.1
4	115391.3	116232.3	116704.1	117226.1	117704.7	118507.0	118988.4	119450.5
5	115402.3	116245.4	116715.0	117236.9	117716.0	118518.0	118999.0	119461.0
6	115415.5	116261.1	116728.1	117249.8	117730.1	118531.3	119011.8	119473.8
7	115431.0	116279.5	116743.4	117264.9	117746.3	118547.0	119026.7	119488.5
8	115448.5	116300.6	116760.9	117282.0	117764.9	118564.8	119043.8	119505.3
9	115468.3	116324.5	116781.1	117300.7	117785.9	118584.9	119063.4	119524.2
10	115490.2	116351.2	116802.2	117321.2	117809.4	118607.3	119086.9	119545.1
11	115514.4	116380.7	116826.4	117344.3	117834.4	118632.1	119107.0	119568.0
12	115540.7	116413.2	116854.0	117369.7	117862.2	118659.2	119136.0	119593.0
13	115569.6	116448.6	116881.8	117397.2	117891.7	118688.9	119160.0	119619.9
14	115601.4	116487.3	116912.8	117426.9	117923.1	118721.0	119194.4	119649.1
15	115637.9	116528.8	116946.2	117458.5	117956.9	118755.7	119231.6	119679.7
16	115656.3		116982.0	117492.1	117992.8	118793.0		119712.5
17	115696.2		117020.4	117527.8	118030.5	118832.8		119747.6
18	115736.0		117061.5	117565.7	118070.1	118875.6		119784.4
19	115777.1		117105.1	117605.4	118111.5	118921.5		119823.6
20	115820.2		117151.7	117647.4	118154.7	118970.4B		
21	115865.3		117201.1	117692.3	118200.0			
22	115912.6		117253.8		118247.2			
23	115962.4		117309.9					
24	116014.9		117269.8					

J	$v = 25$	$v = 26$	$v = 27$	$v = 28$	$v = 32$	$v = 33$	$v = 34$
0	119834.6	120584.2	121033.7	121453.2B	123232.6	123576.0B	123882.4
1	119836.9	120586.4	121037.1B	121457.0B	123234.4	123577.8	123884.0
2	119841.5	120590.8	121041.1B	121463.3	123237.6	123581.3	123887.8
3	119848.2	120597.5	121047.1	121470.9	123243.2	123586.5	123893.4
4	119857.3	120606.1	121054.9	121480.7	123249.7	123593.6	123901.0
5	119868.7	120616.9	121065.0	121492.7B	123258.7	123602.3	123910.1
6	119882.6	120629.8	121077.6		123269.0	123613.0	123921.3
7	119898.7	120644.7	121090.7		123281.2	123625.5	123934.3
8	119917.2	120661.7			123293.4	123638.3	123948.7
9	119938.1	120681.0			123310.0	123654.2	123965.5
10		120702.2			123332.3	123672.0	
11		120725.4					
12		120751.0					
13	120041.7	120778.5					
14	120073.6	120808.2					
15	120107.3	120874.5					
16	120143.0						
17	120180.5						
18	120220.1						
19	120261.0						
20	120304.0						
21	120348.2						
22	120394.8						

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