

$c'_m(v) \ ^1\Sigma_u^+ - X(v) \ ^1\Sigma_g^+$ **Band of the $^{14}\text{N}_2$. Values with B are blended lines.**

J	$c'_4(0) - X(0)$		$c'_4(1) - X(0)$		$c'_4(2) - X(0)$	
	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)
0	104326.4		106371.8		108547.4	
1	104330.1	104318.6	106374.6B	106364.4	108549.5B	108540.4B
2	104333.7	104314.5	106377.0B	106359.7	108549.5B	108535.2B
3	104337.2	104310.3	106379.0B	106354.7	108549.5B	108528.9B
4	104340.6	104305.9	106379.8B	106349.0	108547.4B	108521.7
5	104343.8	104301.5	106379.8B	106342.8	108544.5	108513.4
6	104346.7	104296.8	106379.8B	106335.9	108540.5B	108503.6
7	104349.5	104292.0	106379.0B	106328.4	108535.2B	108492.7
8	104351.9	104287.0	106377.0B	106320.1	108528.9B	108480.7
9	104353.1	104281.8	106374.6	106311.1	108520.9	108467.5
10	104360.4B	104276.2	106370.6	106301.3	108511.7	108453.1
11	104360.4B	104269.5	106465.6	106290.7	108501.2	108437.3
12	104361.9	104268.8	106359.7B	106279.1	108489.5	108420.2
13	104363.1	104261.1	106352.2B	106266.4	108476.2	108402.0
14	104364.5	104254.6	106342.8B	106252.3	108461.4	108382.1
15	104365.5B	104248.0	106331.1	106236.4	108445.0	
16	104365.5B	104241.2	106317.6	106219.3	108427.0	
17	104365.5B	104234.0	106301.3	106200.1	108407.2	
18	104365.5B	104226.6	106282.5	106178.7	108385.6	108287.7
19	104365.4B	104218.7		106154.5		108258.7B
20	104363.1B	104210.4		106127.8		108230.5
21	104360.4B	104201.5				
22	104356.6	104192.0				
23	104351.9B	104181.5				
24		104170.2				
25		104157.5				

J	$c'_4(3) - X(0)$		$c'_4(4) - X(0)$		$c'_4(6) - X(0)$	
	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)
0	110659.8B		112771.1		116810.2	
1	110662.5B	110652.4	112773.8B	112763.9	116813.3	116802.7
2	110664.6B	110647.9	112776.0B	112759.1B	116816.0	116798.3
3	110664.6B	110642.4	112777.2B	112754.0	116818.1	116793.5
4	110664.6B	110636.1	112777.2B	112748.0	116819.9	116788.1
5	110664.6B	110629.0	112777.2B	112741.2	116821.1	116782.4
6	110662.5B	110621.0	112776.0B	112733.7	116022.0	116776.2
7	110659.8B	110612.4	112773.8B	112725.4	116822.0B	116769.5
8	110656.4	110602.8	112770.4	112716.2	116823.2	116762.3
9	110652.0	110592.2	112765.4	112706.0	116822.0B	116754.4
10	110646.2	110580.7	112759.1B	112694.7	116820.9B	116747.7
11	110639.1	110568.3	112749.8	112682.0	116820.3B	116738.6
12	110630.8	110554.7	112738.0	112667.3	116818.1B	116729.2
13	110621.1B	110539.8B	112723.0	112650.4	116815.9B	116720.7
14	110609.2	110523.4B	112704.5	112630.8B	116813.2B	116710.8
15	110595.4	110505.6	112682.8	112607.7		116700.4
16	110579.3	110486.0B	112658.3	112581.3		116689.8
17	110561.0	110464.5B	112630.8B	112551.6		
18	110539.7B	110440.4B	112601.4	112519.3		
19	110516.2B	110413.9B	112569.5	112494.0		
20	110489.9	110385.1	112535.3	112446.6		
21	110460.7	110353.6	112499.1B	112406.8		
22	110428.9	110319.3B	112460.7	112364.7		
23		110282.2	112420.3	112320.4		
24		110242.4	112378.0	112274.2		
25			112333.6			
26			112287.2			

J	$c'_4(7) - X(0)$		$c'_4(8) - X(0)$		$c'_4(9) - X(0)$	
	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)
0	118770.8		120689.0		123664.3	
1	118771.7	118762.8	120691.5	120681.7	123669.3	123655.9
2	118774.2B	118758.3	120693.6	120677.3	123674.5	123652.5
3	118776.2	118751.8	120694.8		123680.1	123649.5
4	118777.3B	118746.4		120665.8	123685.8	123646.8
5	118777.3B	118740.2		120659.1	123691.6	123644.5
6	118777.3B	118733.3	120695.0	120651.7	123697.5	123642.2
7	118777.3B	118726.0	120694.1	120643.6	123703.5	123640.0
8		118718.0	120692.2	120635.3	123709.3	123638.0
9		118709.8	120689.5	120626.0	123715.3	123635.9
10			120687.2	120616.4	123721.1	123633.9
11				120606.5	123726.8	123631.8
12				120595.8	123732.3	123629.6

J	$c'_4(0) - X(1)$		$c'_4(1) - X(1)$	
	R(J)	P(J)	R(J)	P(J)
0	101996.7		106371.8	
1	102000.4	101988.8	106374.3B	106364.4
2	102004.2	101984.8	106376.9B	106363.9B
3	102007.4	101980.7	106378.9B	106359.6
4	102011.1	101976.5	106379.5B	106349.0
5	102014.4	101972.2	106379.5B	106342.6B
6	102017.7	101967.8	106379.5B	106335.8
7	102020.6	101963.2	106378.9B	106328.2
8		101958.5	106376.9B	106320.0
9		101953.7	106374.3B	106311.0
10		101948.4	106370.6	
11		101943.3	106365.6	
12			106363.9B	
13			106352.3	
14			106342.6B	
15			106331.3	
16			106317.7	

J	$c'_5(0) - X(0)$		$c'_5(1) - X(0)$		$c'_5(2) - X(0)$	
	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)
0	115852.3B		118072.7B		120194.2B	
1	115853.5B	115845.5	118074.2B		120194.2B	120190.7
2	115853.5B	115840.3	118074.2B	118061.7	120194.2B	120182.2
3	115852.3B	115833.7B	118072.7B	118054.8	120191.3	120175.0
4	115849.9	115825.8B	118069.7	118046.6	120187.1	120166.0
5	115845.8	115816.3B	118065.3	118036.9	120181.3	120155.3
6	115840.5	115806.0	118059.4	118026.0	120173.8	120143.1B
7	115833.8B	115794.2	118052.0	118013.5	120165.1	120129.1B
8	115825.8B	115781.0	118043.2	117999.6	120154.4	120114.1
9	115816.3B	115766.4	118033.2	117984.1	120143.1B	120097.2
10	115805.0	115750.3	118015.9	117967.6	120129.1B	120078.8
11	115792.3	115732.6				120058.9
12	115777.9	115713.5	117994.8			120038.2
13	115761.8	115692.9	117979.6	117906.4B		
14	115744.1	115670.5	117962.9	117887.3		
15	115724.8	115646.6	117945.0	117864.7		
16	115704.2	115620.8	117926.2	117839.8		
17	115683.2	115594.1	117906.4B	117814.0		
18	115662.6	115565.1	117885.9	117787.2		
19				117759.1		
20			117846.3			
21			117815.5			

J	$c'_6(0) - X(0)$		$c'_6(1) - X(0)$
	R(J)	P(J)	P(J)
0	119944.6		
1	119948.6	119936.6	
2	119952.4	119932.6	
3	119956.3	119928.6	
4	119960.4	119924.7	
5	119964.5	119920.7	
6	119968.3	119916.7	
7	119972.3	119912.8	
8	119976.1	119908.7	
9	119980.0	119904.7	
10	119983.9	119900.7	
11	119987.6	119896.6	
12	119991.4	119892.4	122055.5B
13	119994.9	119888.3	122047.3B
14	119998.3	119884.0	122041.9
15		119879.7	122051.4
16		119875.2	122044.3
17			122037.8
18		119866.8	122031.8

J	$c'_7(0) - X(0)$		$c'_8(0) - X(0)$		$c'_9(0) - X(0)$	
	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)
0	121870.6		122971.0		123664.3	
1	121874.7	121862.4	122974.2		123669.3	123655.9
2	121879.1	121858.7	122979.8	122957.3	123674.5	123652.5
3	121883.4	121854.9	122983.5	122953.9	123680.1	123649.5
4	121887.9	121851.2	122989.7	122951.2	123685.8	123646.8
5	121892.4	121847.7	122995.5	122948.2	123691.6	123644.5
6	121897.0	121844.1	123000.4	122945.6	123697.5	123642.2
7	121901.6	121840.7	123004.2	122942.6	123703.5	123640.0
8	121906.0	121837.3	123008.6	122939.6	123709.3	123638.0
9	121910.3	121833.9	123010.4	122936.1	123715.3	123635.9
10	121914.7	121830.3	123012.1	122931.8	123721.1	123633.9
11	121918.6	121826.9		122927.0	123726.8	123631.8
12	121922.0	121823.0		122920.6	123732.3	123629.6
13		121819.1		122912.7		
14		121815.0				
15		121810.0				
16		121804.5				
17		121797.7				

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