$b'(v)\ ^1\Sigma_u^+ \leftarrow X(v)\ ^1\Sigma_g^+$ **Band of the** ^{15}**N**$_2$**. Values with B are blended lines.**

	(1,0) band		(2,0) band		(3,0) band		(4,0) band	
J	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)
0	104422.2B		105131.2B		105826.7B		106570.6B	
1	104422.2B	104416.1	105131.2B	105124.9	105826.7B	105820.4	106570.6B	106563.9
2	104422.2B	104410.9	105130.7	105119.8	105826.7B	105815.4	106570.6B	106558.8
3	104419.2B	104404.0	105127.7B	105112.7B	105823.6	105808.5	106568.7	106552.3
4	104415.0	104395.5	105123.6	105104.4	105819.6	105799.9	106565.7	106544.4
5	104409.3	104385.5	105117.8	105094.5	105813.9	105790.1	106561.3	106535.2
6	104401.9	104374.0	105110.7B		105806.6	105778.5	106556.1	106524.8B
7	104393.4		105101.6	105069.6	105798.0	105765.6	106548.9	106513.0B
8	104383.1				105787.5	105750.9	106539.8	
9	104371.4		105093.9		105775.9	105734.8	106532.0	
10							106522.4B	
11							106513.0B	

	(5,0) band		(6,0) band		(8,0) band		(9,0) band	
J	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)
0	107229.8B		107877.5B		109385.8B		110024.4	
1	107229.8B	107223.3	107877.5B		109385.8B	109379.3	110024.8	110018.7
2	107229.8B	107218.1	107877.5B		109385.0	109374.2B	110023.9	110013.5
3	107226.8	107211.6	107875.0	107859.3B	109382.3	109367.2	110021.0	110006.4
4	107222.7	107203.3	107871.2B	107851.5B	109378.4	109358.9	110016.6	109997.9
5	107217.2B	107193.3	107866.2B	107841.6B	109372.5	109348.8	110010.6	109987.6
6	107210.1	107181.9	107859.3B	107830.9B	109365.4	109337.4	110002.7	109975.8
7	107201.4B	107168.8	107851.5B	107818.1	109356.5	109324.3	109993.6	109962.3
8	107191.3	107154.4	107841.6B	107804.3	109346.3	109309.6	109982.6	109947.2
9	107179.5	107138.3	107830.9B	107788.7	109334.5	109293.5	109970.1	109930.5
10	107166.3B	107121.0		107772.0	109321.1	109275.9	109955.9	109912.2
11	107151.4	107101.6		107753.3	109306.3	109256.6	109940.1	109892.1
12		107080.8					109922.7	109870.6
13		107058.8					109903.6	109847.3
14								109822.3
15								109795.8

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| | (10,0) band | | (11,0) band | | (12,0) band | | (13,0) band | |
J	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)
0	110719.9B		111351.2B		111993.4B		112630.1B	
1	110719.9B	110713.8B	111351.2B	111345.0	111993.4B	111987.5	112630.1B	112624.1
2	110719.9B	110708.5	111349.8B	111339.6	111992.3	111982.0	112629.2B	112618.7
3	110717.6	110701.6	111347.0	111332.6	111989.0	111974.9	112625.9	112611.6
4	110713.8B	110693.6	111342.3	111323.9	111984.2	111966.0	112621.5	112602.8
5	110709.5	110684.1	111336.0	111313.5	111977.6	111955.5	112616.3	112592.5
6	110703.7	110673.2	111328.1	111301.4	111969.4	111943.2	112606.0	112580.6
7	110696.7	110661.2	111318.6	111287.7	111959.4	111929.3		112568.1
8	110688.9	110647.9	111307.3	111272.4	111947.7	111913.6		
9	110680.6	110633.6	111294.8	111255.6B	111934.4	111896.3		
10	110664.3	110618.4		111236.9	111919.3	111877.2		
11		110602.6			111902.5	111856.4		
12					111884.1	111834.0		
13					111863.8B	111809.7		
14					111841.9	111783.8		
15					111818.2	111756.1		

| | (14,0) band | | (15,0) band | | (16,0) band | | (17,0) band | |
J	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)	R(J)	P(J)
0	113257.0B		113873.3B		114475.5B		115059.4B	
1	113257.0B	113251.3	113873.3B	113868.2B	114475.5B	114469.8	115059.4B	115053.9B
2	113255.7	113245.6	113872.0	113862.1	114474.5	114464.2	115058.3	115048.0
3	113252.2	113238.4	113868.2B	113854.9		114457.1	115054.7	115040.9
4	113247.3	113229.5	113863.3	113845.8	114466.1B	114448.2	115049.9	115032.0
5	113240.5	113218.8	113856.6B	113835.0	114459.5B	114437.6	115043.2	115021.4
6	113232.0	113206.3	113848.0	113822.5	114450.8	114425.2	115034.8	115009.1
7	113221.8	113192.2	113837.7	113808.3	114440.5	114411.0	115024.7	114995.0
9	113196.2	113158.7	113811.7	113774.5	114414.4	114377.3	114999.3	114961.7
10	113180.7	113139.3	113796.1	113755.0	114398.9	114357.8	114983.9	114942.4
11	113163.7	113118.2	113778.7	113733.8	114381.5B	114336.6	114966.8	114921.3
12	113144.7	113095.3	113759.6	113710.8	114362.2	114313.4	114949.4	114898.2
13	113124.1	113070.4B	113738.6	113685.9	114341.2	114288.6	114933.9	114874.0
14	113102.0	113044.6B	113716.0	113659.4	114318.4	114262.0	114911.8	
15	113078.9	113016.7	113691.4	113631.1	114293.7	114233.6		
16		112987.2	113665.3			114203.4		
17		112956.5	113637.0					

J	(18,0) band R(J)	P(J)	(19,0) band R(J)	P(J)	(20,0) band R(J)	P(J)	(21,0) band R(J)	P(J)
0	115995.7B		116331.5B		116871.8B		117361.3B	
1	115997.3B	115989.1B	116332.5B	116325.0B	116871.8B	116865.8	117361.3B	117355.4
2	115997.3B	115984.4B	116332.5B	116320.1B	116871.0	116860.4	117361.3B	117349.8
3	115997.3B	115978.4B	116331.5B	116313.9B	116867.6	116853.3	117357.2	117342.8
4	115995.7B	115971.4B	116328.8	116306.6B	116862.9	116844.5	117352.6	117334.2
5	115992.9	115963.5B	116325.0B	116297.9B	116856.5	116834.1	117346.3	117323.8
6	115989.1B	115954.7	116320.1B	116287.6	116848.5	116822.0	117338.3	117311.8
7	115984.4B	115944.6	116313.9B	116276.7	116838.9	116808.4	117328.6	117298.0
8	115978.4B	115933.5	116306.6B	116264.2	116827.6	116792.9	117317.2	117282.6
9	115971.4B	115921.3	116297.9B	116250.7	116814.7	116775.8	117304.1	117265.5
10	115963.5B	115907.8	116285.6	116236.1	116800.1	116757.1	117289.1	117246.7
11	115954.0	115893.4	116274.4	116220.0	116783.8	116736.6	117272.8	117226.1
12	115942.7	115877.6	116262.1	116201.6B	116766.1	116714.6		
13	115930.8	115860.8	116247.1	116181.7	116746.9	116690.9		
14	115917.3	115842.6		116161.8	116726.1	116665.4B		
15	115901.8	115823.1			116704.1	116639.3		
16								
17						116582.0		

J	(24,0) band R(J)	P(J)	(25,0) band R(J)	P(J)
0	119066.1B		119494.9B	
1	119066.1B	119061.4B	119494.9B	119489.3
2	119066.1B	119055.6	119494.9B	119483.2
3	119061.4B	119048.4	119491.1	119476.6
4	119056.5	119039.1	119486.6	119467.9
5	119049.5	119028.2	119480.4	119457.7
6	119041.1	119015.7	119472.5	119445.6
7	119030.9	119001.6	119462.9	119432.0
8	119019.0	118985.6	119451.7	119416.8
9	119005.2	118968.0	119438.3	119399.8
10	118989.6		119423.9	119381.2
11	118972.9	118927.7	119407.2	119360.8