Observed emission bands of N_2 [$o_m(v)\ ^1\Pi_u \rightarrow\ X(v)\ ^1\Sigma_g^+$] in the vuv region, cm^{-1} . Values with B are blended.

	o_3(0,0) Band			o_3(0,1) Band		
J	R(J)	Q(J)	P(J)	R(J)	Q(J)	P(J)
0				103355.97B		
1					103353.10B	
2					103344.06B	
3					103349.08	103339.52B
4				103364.67B	103347.87B	103333.55B
5				103364.67B	103344.06B	103325.65
6				103364.67B	103341.15	103321.13B
7	105692.00B			103363.47B	103337.26B	103313.15
8	105692.00B				103333.55B	103305.50
9	105689.56				103328.28B	103296.74
10	105685.57B			103358.42B	103322.15B	103287.75B
11	105683.69			103355.97B	103315.94	103277.48B
12	105679.91			103352.50B	103309.97B	103267.68B
13				103347.87B	103301.69	103256.95B
14	105670.08B			103343.18B	103293.82B	103245.23B
15	105662.12			103337.26B	103285.21B	103233.24
16				103330.72B	103275.17B	103221.01B
17	105645.29			103321.13B	103266.26B	103207.34
18				103319.48	103255.79	103192.89
19	105633.10B			103309.97B	103244.86	103175.69B
20	105623.08			103300.61B	103232.17B	103165.99
21					103219.18B	103148.66B
22					103205.22	103131.33

	o_3(0,2) Band			o_3(0,3) Band		
J	R(J)	Q(J)	P(J)	R(J)	Q(J)	P(J)
0	101055.21B			98782.41		
1	101059.52B	101051.42B		98786.55B	98779.84B	
2	101059.52B	101049.84B	101042.39B	98787.87B	98777.26B	98772.00B
3	101061.29B	101048.88B	101039.14B	98787.87B	98776.13	98767.01B
4	101064.25B	101046.22B		98791.78B	98774.69B	98760.06B
5	101064.25B	101044.61B	101025.55B	98791.78B	98772.00B	98753.85B
6	101064.25B	101040.16B	101020.26	98791.78B	98768.66B	98749.37B
7	101063.12B	101037.06B	101013.68B	98791.78B	98764.61B	98741.51B
8	101063.12B		101005.55	98791.78B		98733.91B
9	101061.29B	101027.75	100996.86B	98787.87B	98758.14B	98726.00B
10	101059.52B	101022.83B	100988.99B	98787.87B	98751.76B	98717.65
11	101056.94B	101016.85B	100979.67B	98786.55B	98746.87	98709.12B
12	101053.83	101010.64B	100969.54	98783.65B	98741.51B	98699.54

	o_3(0,2) Band			o_3(0,3) Band		
J	R(J)	Q(J)	P(J)	R(J)	Q(J)	P(J)
13	101049.84B	101003.94	100959.07B	98779.84B	98733.91B	98689.51
14	101045.33B	100996.86B	100948.14	98777.26B	98727.05	98679.08
15	101040.16B	100988.99B	100936.71B	98772.00B	98720.36B	98668.71B
16	101034.13B	100979.67B	100924.43	98767.01B	98711.56	98656.70B
17	101025.55B	100970.64B	100911.75B	98758.14B	98703.74B	98644.03B
18	101024.39B	100960.67B	100897.89B	98758.14B	98693.92	98630.78
19	101015.58	100950.24B	100880.25B	98749.37B	98683.90B	
20	101006.63B	100938.72B	100872.09B	98741.51B	98673.10B	98606.79
21		100926.22	100855.51B		98661.33B	98590.44B
22		100911.75B	100838.98B		98649.12B	98575.10

	o_3(1,3) Band			o_3(1,4) Band		
J	R(J)	Q(J)	P(J)	R(J)	Q(J)	P(J)
0	100747.88B			98504.45B		
1	100750.08B	100743.80B		98506.87B	98499.84B	
2	100751.68B	100742.52B	100736.94B		98499.84B	
3	100751.68B	100739.88B	100731.03B			98487.37
4	100751.68B	100736.94B	100725.15B			98480.74B
5	100751.68B	100733.36B	100716.66B		98489.00B	98474.44
6	100751.68B	100728.84	100709.19B		98482.60	
7	100750.08B	100723.66	$b(0)$	98506.87B	98480.74B	98458.30
8	100750.08B	100720.09B	100691.94B	98506.87B	98477.40	98449.68
9	100750.08B	100714.81	$b(0)$	98506.87B		98441.08B
10	100747.88B	100711.06B	100676.09B	98506.87B	98470.10	98434.11
11	100746.48	100705.60B	$b(0)$	98504.45B	98463.74	98426.64B
12	100743.80B	100699.28B	100657.71B		98459.15	98417.84B
13	100742.52B	100694.73	100649.90B		98453.12	98408.87B
14	100739.88B	100688.78B	100639.99	98499.84B	98448.07	98399.02B
15	100736.94B	100683.20B	100631.02B		98444.36B	98390.35B
16	100733.36B	100676.09B	100620.04		98434.99B	98380.49
17	100729.20	100669.14B	100608.20B		98430.54B	98370.74B
18	100725.15B	100660.75B	100598.55		98423.33B	98360.39B
19		100653.05				98350.84B
20		100645.01	100574.83		98408.87B	98336.79B
21		100636.64B				
22		100627.34				

	o_3(2,4) Band			o_3(2,5) Band		
J	R(J)	Q(J)	P(J)	R(J)	Q(J)	P(J)
0	100418.47B			98201.78B		
1		100413.02B				
2	100422.39B	100413.02B	100405.95B	98208.68B		98190.95B
3	100424.78B	100411.46B	100401.00	98210.81B	98196.16B	98186.62B
4	100428.20B	100409.63	100396.36	98212.40B	98195.06	98180.92B
5	100428.20B	100408.22B	100390.52B	98213.72B	98192.86	
6	100428.98B	100405.95B	100383.72B	98214.80B	98190.95B	98169.43B
7	100428.98B	100401.70B		98214.80B	98187.66	
8	100428.98B	100398.49B	100371.67B	98214.80B	98185.24B	98158.38B
9	100428.98B	100394.34B		98214.80B	98180.92B	98150.73B
10	100428.20B	100390.52B	100356.65	98214.80B	98177.58B	98144.40B
11	100426.33B	100386.33B	100347.79B	98213.72B	98174.71B	98135.48B
12	100424.78B	100380.18B	100339.70B	98212.40B	98168.29	98127.56
13	100422.39B	100373.38	100329.77	98210.81B	98162.64B	98117.89B
14		100369.57	100321.35	98208.68B	98158.38B	98109.76B
15	100415.78	100362.36B	100312.01		98150.73B	98100.90
16	100411.46B	100354.92B	100300.95	98201.78B	98144.40B	98090.00B
17	100408.22B	100347.79B	100289.43B			98079.84
18	100401.70B	100339.70B	100276.76			98068.52
19	100394.34B	100329.24	100265.61			
20		100317.98B	100252.82			
21			100237.54			
22			100217.46B			

	o_3(3,6) Band			o_3(3,7) Band		
J	R(J)	Q(J)	P(J)	R(J)	Q(J)	P(J)
0	97902.11B			95744.99B		
1		97897.57B				
2	97906.84B	97897.57B	97890.84B		95733.97B	
3	97909.10B	97896.03	97885.23B		95737.82B	95728.55B
4	97911.77	97894.74	97880.10B		95737.82B	95723.29B
5	97912.68B	97893.43	97877.26B	95756.24B	95736.23	95719.30B
6	97914.76B	97890.84B	97869.99B	95758.13B	95734.89	95713.86
7	97914.76B	97888.25	97863.42B	95758.13B		95708.11B
8	97916.32B	97885.23B	97857.82	95760.35B	95729.79B	95701.61B
9	97916.32B			95760.35B	95726.09	95695.18B
10	97916.32B	97878.10	97844.29	95760.35B	95723.29B	
11	97914.76B	97874.36B	97836.24B	95760.35B	95719.30B	
12	97912.68B	97869.99B	97828.78B	95758.13B	95715.46	95673.38B
13		97865.23B		95754.33B	95710.83	95665.67B
14		97860.39	97811.07		95706.36B	95657.23
15		97854.73			95701.61B	95646.89B
16					95695.18B	
17		97842.50			95690.88	
18		97836.24B			95685.15B	

	o_3(3,8) Band			o_3(4,1) Band		
J	R(J)	Q(J)	P(J)	R(J)	Q(J)	P(J)
0	93615.31B			110979.91B		
1	93619.40B	93612.23B		110982.88B	110975.97B	
2	93621.05B	93612.23B	93604.22B	110985.63B	110975.97B	110969.41B
3			93599.09B	110987.67B	110973.27B	110962.96B
4	93626.93B		93594.99B	110989.36B	110971.98B	110958.73B
5	93626.93B	93607.78B	93592.00B	110989.36B	110969.41B	110952.64
6	93629.23B		93585.89B	110989.36B	110966.37B	110946.01B
7		93604.22B	93579.19B	110989.36B	110962.96B	110938.85B
8	93632.44B	93602.74B		110989.36B	110958.73B	110931.67B
9	93632.44B	93599.09B	93567.90B	110989.36B	110954.35B	110924.17B
10	93632.44B	93597.44B	93562.23B	110987.67B	110949.36	110915.13
11			93554.82B	110985.63B	110943.54	110906.54
12	93632.44B		93548.89B	110982.88B	110937.42	110896.94B
13	93629.23B	93585.89B		110979.91B	110931.67B	110886.75
14		93581.54B	93533.69B	110975.97B	110924.17B	110876.41
15		93577.88B	93522.64B	110971.98B	110916.69	110865.50
16		93572.68B		110966.37B	110909.00B	110853.80
17		93567.90			110900.62B	110841.68
18		93562.23B			110891.47B	110827.23
19					1110882.39	
20					1110872.68	

	o_3(4,2) Band			o_3(4,4) Band		
J	R(J)	Q(J)	P(J)	R(J)	Q(J)	P(J)
0	108679.28B					
1	$c_3(2)$	$c_3(2)$		104166.60B	104158.19B	
2	108683.58B	$c_3(2)$	108668.80B		104158.19B	
3	$c_3(2)$	108673.14	108662.73B	104170.15B		104146.26B
4	108688.24B	$c_3(2)$	108657.73	104173.11B		
5	108689.96B	108668.80B	108651.64B	104174.65B	104152.62B	
6	108689.96B	$c_3(2)$	108645.40B	104174.65B	104150.31	104130.89
7	108689.96B	108662.73B	$c_3(2)$	104176.63B	104147.86B	
8	108689.96B	108658.75	$c_3(2)$	104176.63B	104146.26B	
9	108689.96B	108654.65	108624.22	104176.63B		
10	108688.24B	108649.86	108615.58B	104176.63B		
11	$c_3(2)$	108645.40B	108607.24	104174.65B		
12	108683.58B	$c_3(2)$	108598.13	104173.11B		
13	$c_3(2)$	108633.19	108588.17B	104171.76		
14	$c_3(2)$	108626.63B	108578.64B	104170.15B		104069.85B
15		108619.75	108568.27B	104166.60B		
16		108612.45B	108557.35		104105.59	104051.39B
17			108545.26	104152.62B		
18			108532.44		104092.24	104027.89B
19						104011.68
20					104077.51	

	o_3(4,5) Band			o_3(4,7) Band		
J	R(J)	Q(J)	P(J)	R(J)	Q(J)	P(J)
0	101948.24B			97604.05		
1	101951.00	101944.09B		97607.22	97599.46B	
2	101953.48B	101944.09B	101936.43B	97610.12	97599.46B	97593.96B
3	101956.06	101941.68B	$b(2)$	97612.66	97599.46B	97589.89B
4	101958.39B	101941.68B		97614.99	97597.68	97584.65B
5	101960.92B	101939.21	101922.28B	97618.08B	97596.17	97580.84B
6	101960.92B	101936.43B	101916.03B	97618.08B	97593.96B	97574.24B
7	101960.92B	101934.40B		97620.51	97592.08B	97569.88B
8	101963.10B	$b(2)$		97621.65B	97590.34B	97562.59B
9	101963.10B	101928.52B	$b(2)$	97622.62B	97587.41	97556.50B
10	101963.10B		101890.06	97622.62B	97584.65B	97550.13B
11	101963.10B	$b(2)$	101883.12	97622.62B	97580.84B	97543.79
12	101960.92B	101916.03B	101874.85	97622.62B	97577.74	97536.94
13		101911.39B	101867.56	97622.62B	97574.24B	97528.80B
14		101906.49	101858.89	97621.65B	97569.88B	97522.17
15					97565.78	97514.34
16					97561.22	97506.09
17					97556.50B	
18					97551.08	

	o_3(4,8) Band			o_3(4,9) Band		
J	R(J)	Q(J)	P(J)	R(J)	Q(J)	P(J)
0	95476.52B			93376.22		
1	95479.10B	95471.62B		93379.50	93371.94B	
2	95482.07B	95471.62B	95465.03B	93382.51	93371.94B	93364.86B
3	95484.45	95471.03B	95460.66B	93385.48	93371.94B	93360.71B
4	95487.49B	95469.84	95455.37B	93387.72	93370.47	93356.66B
5	95489.15	95468.45	95451.12B	93390.22B	93369.50B	93352.71B
6	95491.13	95466.87	95446.24B	93392.29	93368.07	93347.51
7	95492.92	95465.03B	95441.63B	93394.22B	93366.60B	93342.99B
8	95494.52B	95463.06	95435.73B	93395.82	93364.86B	93337.52
9	95494.52B	95460.66B	95429.02B	93397.51	93362.73B	93332.02B
10	95496.57	95458.04B	95424.06	93398.77	93360.71B	93326.34B
11	95497.28B	95455.37B	95417.87	93400.12	93358.10B	93320.05B
12	95497.28B	95452.25B	95411.31B	93400.98B	93355.38	93314.70
13		95449.02	95404.46B	93400.98B	93352.71B	93308.54B
14		95445.45	95397.61	93400.98B	93349.76B	93301.79B
15		95441.63B			93346.49	93295.26B
16		95437.53B			93342.99B	93288.01
17		95433.64			93339.45	
18		95429.02B			93335.84B	
19					93332.02B	
20					93327.79	

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