The Term Values of the $o_3(v)$ $^1\Pi_u$ Level of $^{14}N_2$. Values with B are averaged of all blended lines.

A: The $o_3(v)$ $^1\Pi_u$ level.

	$v=0$		$v=1$		$v=2$	
J	Π^-	Π^+	Π^-	Π^+	Π^-	Π^+
1	105686.1	105686.3	107651.9B	107652.0B	109564.4	109564.9
2	105692.8	105693.1	107657.5B	107658.6B	109571.9	109571.7
3	105703.1	105703.1	107667.2B	107667.1	109582.1	109582.2
4	105716.5	105716.5	107679.6B	107679.3B	109595.7	109596.2
5	105733.7B	105733.3B	107694.5B	107694.4B	109612.6B	109613.1
6	105753.7	105753.7	107713.1B	107713.3	109633.2	109633.2
7	105777.3	105777.1	107735.8	107735.7	109657.2B	109657.2
8	105804.3	105804.1	107762.6	107762.1	109684.6	109684.3
9	105835.1	105834.6	107792.9	107792.8	109714.9B	109715.0
10	105868.6B	105868.1	107827.1	107826.9	109748.8	109749.0
11	105905.9	105905.3	107864.4B	107864.4	109786.7B	109786.7B
12	105946.4	105945.6	107906.0	107905.8	109827.6B	109827.3B
13	105990.4	105989.1	107950.3	107950.4	109871.4	109871.3
14	106037.7	106036.4	107998.9	107998.4	109919.8	109919.7
15	106088.5	106086.7	108051.0B	108050.1	109970.1	109970.0B
16	106142.1	106140.0	108105.2B	108105.0	110024.8	110024.6
17	106199.1	106196.6	108164.5	108164.1	110081.6	110081.6
18	106259.5	106254.0	108226.6	108225.7	110143.7	110143.1
19	106322.9	106323.0	108292.2	108291.1	110206.0	110205.5
20	106389.3	106388.5	108361.1	108359.9	110270.9	110270.5
21	106459.1	106458.1	108433.7	108431.7	110335.0	110335.1
22	106531.4	106530.0	108509.5	108507.3	110395.6	110395.4
23	106606.8	106604.8	108588.8	108585.7	110452.8	110452.8
24	106684.4	106682.5	108671.9	108666.1	110509.7	110510.6
25	106764.7	106762.7	108757.7	108751.7	110567.9	110568.4
26	106846.7B	106845.5B	108847.2		110627.8	110629.0
27	106931.5	106929.6			110689.8B	110691.5
28	107017.6	107016.08			110754.1	110755.0
29	107105.3	107104.5B				110822.1
30		107193.1				

	$v = 3$		$v = 4$		$v = 5$	
J	Π^-	Π^+	Π^-	Π^+	Π^-	Π^+
1	111450.7	111450.8	113310.2	113310.3	115177.3B	115177.2B
2	111457.5	111457.4	113317.2	113317.2	115183.7	115183.7B
3	111467.8	111467.7	113327.6	113327.7	115192.7	115191.9B
4	111481.3	111481.6	113341.5	113341.6	115204.9B	115204.9
5	111498.0B	111498.2	113358.5	113358.6	115219.5B	115220.0B
6	111518.7	111518.7	113379.1	113379.2	115235.0	115237.1
7	111542.6	111542.7	113403.1	113403.3	115255.6	115256.4
8	111569.8	111569.6	113431.0B	113430.9		
9	111600.5	111600.4	113461.4B	113461.9B		
10	111634.1	111634.2	113496.0	113496.4B		
11	111672.0	111671.5	113533.8	113534.3		
12	111712.9	111711.9	113575.1	113575.4		
13	111757.0	111755.7B	113619.8	113620.2		
14	111804.7	111800.4	113668.2	113668.0B		
15	111855.8	111858.4	113720.1B	113719.6		
16	111910.1	111911.8	113774.8B	113774.2		
17	111967.8	111969.0	113832.9	113831.4		
18	112029.1	112029.8	113895.3	113887.7		
19	112093.1	112094.1	113960.2	113967.3B		
20	112161.0	112161.9	114029.9	114027.6		
21	112232.1	112232.9	114099.3	114100.0		
22	112306.2	112307.4	114167.3			
23	112383.1		114218.0	114217.3		
24	112461.9					
25	112538.0	112535.9				
26		112600.1				
27		112658.7				
28		112723.1				
29	112788.4					
30	112852.6					

B: The $o_4(v)$ $^1\Pi_u$ level.

	$v = 0$	
J	Π^-	Π^+
1	122157.8B	122158.8
2	122165.7	122166.0
3	122176.4	122176.4
4	122189.8	122191.3
5	122207.1B	122207.9
6	122228.0	122228.5
7	122252.2	122253.0
8	122279.7B	122280.6
9	122310.8	122312.5
10	122345.3	122347.5B
11	122389.0	122386.6B
12	122425.1	122428.9B
13	122470.3	122476.8
14	122518.6	122511.2
15	122570.7	122565.0B
16	122625.7B	122621.7B
17	122684.6B	122681.2B
18	122746.7B	122743.8B
19	122810.7B	122910.0B
20	122881.9	122880.5B
21	122954.6	
22	123029.5B	
23	123109.9B	
24	123193.1B	
25	123279.4B	
26	123369.3B	
27	123463.4B	

References:

High Resolution Absorption Spectrum of N_2 in the Vacuum-UV Region, $o_{3,4}$ $^1\Pi_u - X\,^1\Sigma_g^+$ Bands, K. Yoshino, oY. Tanaka, P.K. Carroll and P. Mitchell, J. Mol. Spectros. **54**, 87-109 (1975).