

Line oscillator strengths of the $c'_4(0) \ ^1\Sigma_u^+ \leftarrow X(0) \ ^1\Sigma_g^+$ and $b'(1) \ ^1\Sigma_u^+ \leftarrow X(0) \ ^1\Sigma_g^+$ bands of N_2

J	$c'_4(0) - X(0)$		$b'(1) - X(0)$	
	R(J)	P(J)	R(J)	P(J)
0	0.150(15)			
1	0.089(13)	0.051(10)		
2	0.075(8)	0.056(6)		
3	0.075(8)	0.060(6)		
4	0.071(11)	0.064(13)		
5	0.069(7)	0.063(6)		
6	0.069(14)	0.064(13)		
7	0.061(12)	0.064(6)		
8	0.064(10)	0.069(14)		
9	0.057(6)	0.066(10)	0.010(2)	0.0013(3)
10	0.050(10)	0.071(11)	0.015(3)	0.0036(7)
11	0.056(11)	0.068(7)		0.011(2)
12	0.061(12)	0.061(12)		0.018(3)
13	0.065(13)	0.081(8)		
14	0.065(13)	0.080(12)		
15	0.068(14)	0.085(9)		
16	0.065(13)	0.082(8)		
17	0.068(14)	0.094(8)		
18	0.067(13)	0.084(8)		
19	0.070(14)	0.088(9)		
20	0.062(12)	0.079(8)		
21	0.066(13)	0.084(17)		
22	0.065(13)	0.081(12)		
23		0.076(15)		
24		0.068(14)		
25		0.066(13)		

(): Estimated uncertainties in units of last quored decimal place.

References:

G. Stark, K. Yoshino, K.P. Huber, M.-C. Chan, P.L. Smith, and K. Ito, *Astrophys. J.* **531**, 321 (2000).