

Term values for the upper levels EUV bands at 104.84 nm and 106.55 nm of O<sub>2</sub>, cm<sup>-1</sup> .  
The term values are relative to the  $N'' = J'' = 0$ .

${}^3\Pi_u^- \leftarrow X {}^3\Sigma_g^-$ bands at 104.84nm						
J	${}^3\Pi_0^-$		${}^3\Pi_1^-$		${}^3\Pi_2^-$	
	<i>e</i>	<i>f</i>	<i>e</i>	<i>f</i>	<i>e</i>	<i>f</i>
0		95285.28				
1	95928.28		95363.59			
2		95294.78		95370.42		95484.39
3	95304.30		95382.10		95494.38	
4		95316.10		95391.89		95507.58
5	95331.22		95409.80		95523.60	
6		95350.64		95430.34		95543.93
7	95372.04		95452.14		95566.62	
8		95394.89		95481.30		95591.59
9	95423.90				95622.68	
10		95451.29				95653.83
11	95484.71				95688.51	
12						95726.61
13					95769.53	
14						95814.00

${}^3\Pi_u^- \leftarrow X {}^3\Sigma_g^-$ bands at 106.55nm						
J	${}^3\Pi_0^-$		${}^3\Pi_1^-$		${}^3\Pi_2^-$	
	<i>e</i>	<i>f</i>	<i>e</i>	<i>f</i>	<i>e</i>	<i>f</i>
0		93760.68				
1	93763.60		93855.30			
2		93769.58		93861.47		93958.57
3	93778.39		93870.66		93968.23	
4		93790.67		93883.26		93980.98
5	93805.32		93898.61		93997.07	
6		93823.72		93917.43		94016.24
7	93844.41		93939.03		94038.40	
8		93868.65		93964.15		94064.19
9	93895.36		93991.88		94092.88	
10		93925.68		94023.11		94124.85
11	93958.46		94057.01		94160.00	
12		94994.86		94094.53		94198.39
13	94033.79		94134.91		94239.87	
14		94076.18		94178.50		94284.80
15	94121.09		94224.66		94332.36	
16		94169.56		94274.86		94383.56
17	94220.56		94327.38		94437.58	
18		94275.46				94494.78

Molecular constants for the  ${}^3\Pi_u$  upper states EUV bands at 104.84 nm and 106.55 nm of  $\text{O}_2$ ,  $\text{cm}^{-1}$ .

	106.55 nm	104.84 nm
$T_v({}^3\Pi_0) = T_v - A + 2\lambda/3 - 2\gamma$	93757.44	95282.10
$T_v({}^3\Pi_1) = T_v - 4\lambda/3 - 2\gamma$	93848.88	95357.47
$T_v({}^3\Pi_2) = T_v + A + 2\lambda/3$	93952.19	95477.47
B	1.5519	1.616
$D \times 10^6$	5.5	5.3
$\gamma$	0.0	0.0
$o+p+q$	0.102	0.05
$p+2q$	-0.012	0.0
q	0.0035	0.022

References:

*Identification of Two  ${}^3\Pi_u \leftarrow X {}^3\Pi_g^-$  Transitions of  ${}^{16}\text{O}_2$  near 93850 and 95360  $\text{cm}^{-1}$* , K. Ito, K.P. Huber, K. Yoshino, M. Ogawa, and Y. Morioka, J. Molec. Spectrosc. **171**, 1-12 (1995).