

**The observed wavelength of the  $d(7) \ ^3\Delta^i - X(0) \ ^1\Sigma^+$  band of CO and recommended line oscillator strengths ( $f$ ).**

$J''$	${}^O P(J'')$			${}^P Q(J'')$			${}^S R(J'')$		
	WN cm $^{-1}$	WL nm	$f$ $10^{-6}$	WN cm $^{-1}$	WL nm	$f$ $10^{-6}$	WN cm $^{-1}$	WL nm	$f$ $10^{-6}$
0							68299.18	146.4146	14.9
1				68295.67	146.4222	7.46	68300.60	146.4116	7.46
2	68288.03	146.4385	1.49	68292.90	146.4281	7.46	68300.60	146.4116	5.89
3	68281.41	146.4527	2.12	68288.92	146.4366	7.38	68299.18	146.4146	5.20
4	68273.54	146.4696	2.46	68283.58	146.4481	7.31	68295.91	146.4217	4.79
5	68264.38	146.4893	2.65	68276.87	146.4625	7.17	68291.86	146.4303	4.51
6	68253.72	146.5122	2.76	68268.87	146.4796	7.08	68286.24	146.4424	4.29
7	68241.90	146.5375	2.83	68259.30	146.5002	6.97	68279.42	146.4570	4.11
8	68228.65	146.5660	2.87	68248.78	146.5228	6.85	68271.29	146.4745	3.97
9	68214.01	146.5975	2.88	68236.37	146.5494	6.74	68261.23	146.4961	3.83
10	68198.12	146.6316	2.88	68222.91	146.5783	6.62	68250.06	146.5200	3.73
11	68180.59	146.6693		68208.14	146.6101		68237.83	146.5462	
12	68161.82	146.7097		68191.55	146.6457		68223.74	146.5765	
13	68141.72	146.7530		68173.62	146.6843		68208.14	146.6101	
14	68120.01	146.7997		68154.68	146.7251		68191.55	146.6457	
15	68097.04	146.8493		68134.10	146.7694		68173.62	146.6843	
16	68072.56	146.9021		68111.96	146.8171		68153.79	146.7270	
17	68046.70	146.9579		68088.57	146.8675		68132.77	146.7723	
18	68019.41	147.0169		68063.71	146.9212		68110.36	146.8205	
19	67990.72	147.0789		68037.33	146.9781		68086.34	146.8723	
20	67960.64	147.1440		68009.48	147.0383		68060.81	146.9274	
21	67929.03	147.2125		67980.29	147.1015		68033.97	146.9854	
22	67895.93	147.2842		67949.36	147.1684				
23	67861.39	147.3592		67917.47	147.2375		67975.56	147.1183	
24				67883.76	147.3106		67944.58	147.1788	
25	67787.83	147.5191		67848.70	147.3868		67911.68	147.2501	
26				67812.19	147.4661		67876.52	147.3264	

WN: Wavenumber

WL: Wavelength

References:

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