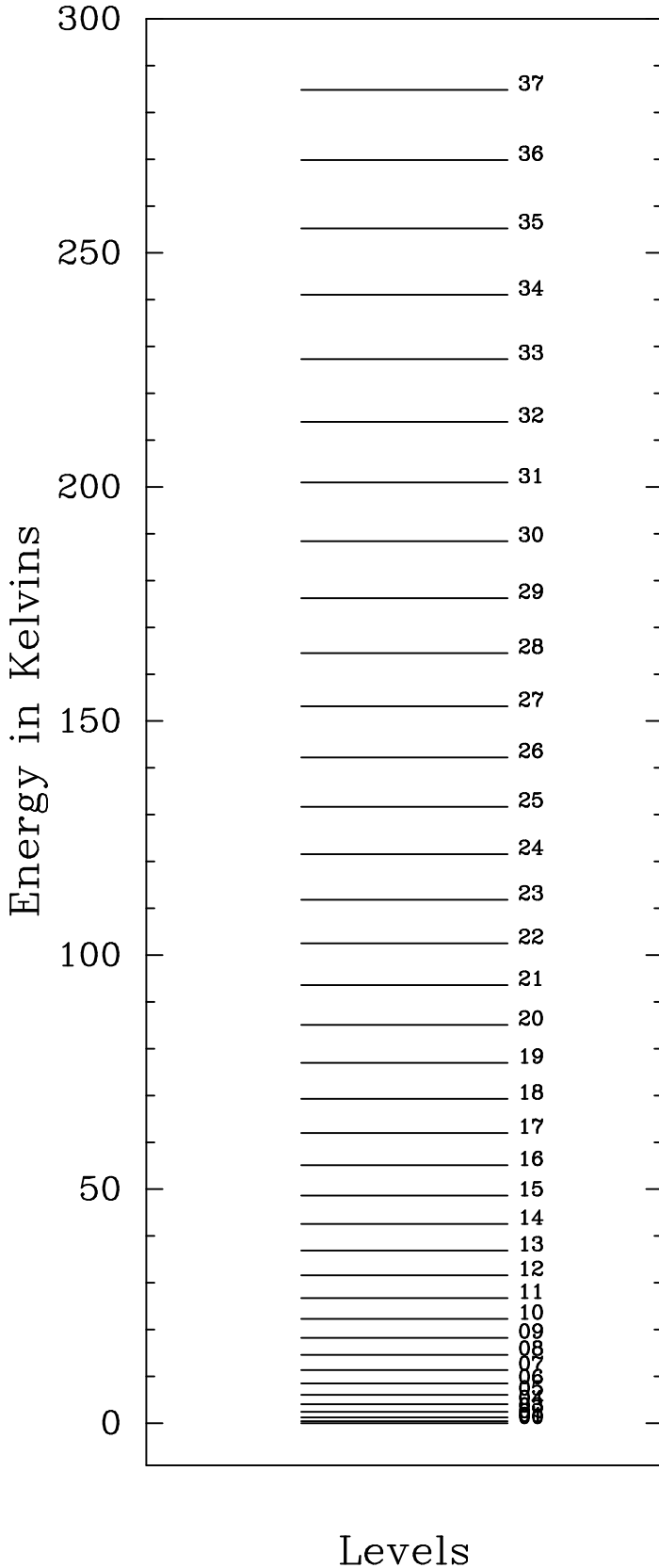


DC₃N

B(rot): 4.22158 GHz De = 4.5300E-07 GHz Dipole Mom = 3.724 Debye



Quantum Numbers			Level Degeneracy	Energy Above Ground (Kelvins)
J	K	K1		
00			1.	0.00
01			3.	0.41
02			5.	1.22
03			7.	2.43
04			9.	4.05
05			11.	6.08
06			13.	8.51
07			15.	11.35
08			17.	14.59
09			19.	18.23
10			21.	22.29
11			23.	26.74
12			25.	31.61
13			27.	36.87
14			29.	42.55
15			31.	48.62
16			33.	55.11
17			35.	61.99
18			37.	69.29
19			39.	76.99

QN(up)			QN(low)			Freq	A(U-L)	B(L-U)	Log(Tau)
J	K	K1	J	K	K1	(GHz)			relative
01			00			8.443	3.24E-08	1.09E+10	-1.04
02			01			16.886	3.11E-07	7.30E+09	-0.44
03			02			25.329	1.12E-06	6.57E+09	-0.10
04			03			33.773	2.76E-06	6.26E+09	0.14
05			04			42.216	5.52E-06	6.08E+09	0.32
06			05			50.659	9.69E-06	5.97E+09	0.47
07			06			59.102	1.56E-05	5.89E+09	0.58
08			07			67.544	2.34E-05	5.84E+09	0.68
09			08			75.987	3.35E-05	5.80E+09	0.75
10			09			84.430	4.63E-05	5.76E+09	0.82
11			10			92.872	6.18E-05	5.73E+09	0.87
12			11			101.315	8.06E-05	5.71E+09	0.91
13			12			109.757	1.03E-04	5.69E+09	0.94
14			13			118.199	1.29E-04	5.68E+09	0.97
15			14			126.641	1.59E-04	5.66E+09	0.99
16			15			135.083	1.93E-04	5.65E+09	1.00
17			16			143.525	2.32E-04	5.64E+09	1.00
18			17			151.966	2.76E-04	5.63E+09	1.00
19			18			160.408	3.25E-04	5.62E+09	0.99
20			19			168.849	3.79E-04	5.61E+09	0.98
21			20			177.290	4.39E-04	5.61E+09	0.96
22			21			185.730	5.06E-04	5.60E+09	0.94
23			22			194.171	5.78E-04	5.60E+09	0.91
24			23			202.611	6.58E-04	5.59E+09	0.88
25			24			211.051	7.44E-04	5.59E+09	0.84
26			25			219.490	8.37E-04	5.58E+09	0.80
27			26			227.930	9.38E-04	5.58E+09	0.76
28			27			236.369	1.05E-03	5.57E+09	0.71
29			28			244.807	1.16E-03	5.57E+09	0.65