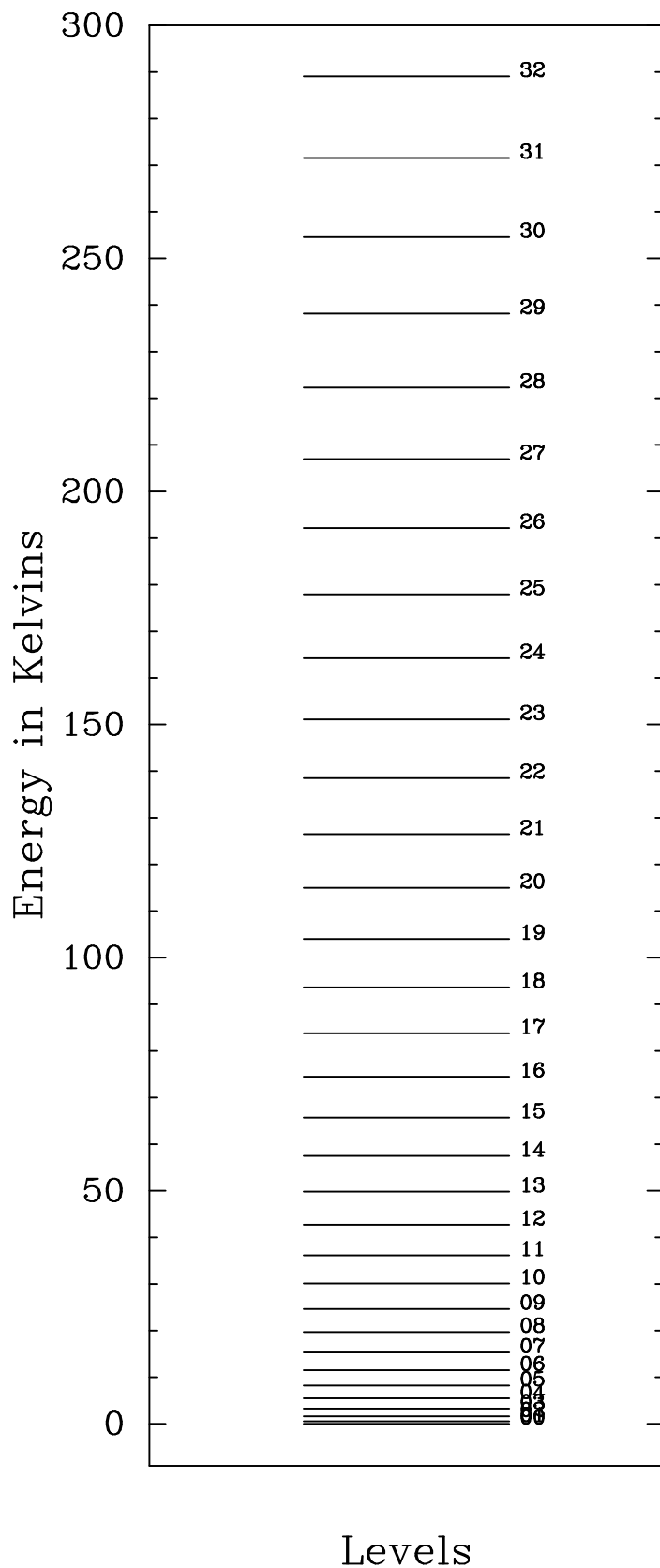


^{18}OCS

B(rot): 5.70486 GHz De = 1.1353E-06 GHz Dipole Mom = 0.715 Debye



Quantum Numbers			Level Degeneracy	Energy Above Ground (Kelvins)
J	K	K1		
00			1.	0.00
01			3.	0.55
02			5.	1.64
03			7.	3.29
04			9.	5.48
05			11.	8.21
06			13.	11.50
07			15.	15.33
08			17.	19.71
09			19.	24.64
10			21.	30.12
11			23.	36.14
12			25.	42.71
13			27.	49.83
14			29.	57.49
15			31.	65.71
16			33.	74.47
17			35.	83.77
18			37.	93.63
19			39.	104.03

QN(up)			Freq (GHz)	A(U-L)	B(L-U)	Log(Tau) relative
J	K	K1				
01	00		11.410	2.95E-09	4.04E+08	-0.91
02	01		22.819	2.83E-08	2.69E+08	-0.31
03	02		34.229	1.02E-07	2.42E+08	0.03
04	03		45.639	2.51E-07	2.31E+08	0.27
05	04		57.048	5.02E-07	2.24E+08	0.44
06	05		68.457	8.81E-07	2.20E+08	0.58
07	06		79.866	1.41E-06	2.17E+08	0.69
08	07		91.275	2.13E-06	2.15E+08	0.77
09	08		102.684	3.05E-06	2.14E+08	0.84
10	09		114.093	4.21E-06	2.12E+08	0.90
11	10		125.501	5.63E-06	2.11E+08	0.94
12	11		136.909	7.33E-06	2.11E+08	0.97
13	12		148.316	9.35E-06	2.10E+08	0.99
14	13		159.724	1.17E-05	2.09E+08	1.00
15	14		171.130	1.44E-05	2.09E+08	1.00
16	15		182.537	1.75E-05	2.08E+08	0.99
17	16		193.943	2.11E-05	2.08E+08	0.98
18	17		205.348	2.51E-05	2.08E+08	0.96
19	18		216.754	2.95E-05	2.07E+08	0.94
20	19		228.158	3.45E-05	2.07E+08	0.90
21	20		239.562	4.00E-05	2.07E+08	0.86
22	21		250.965	4.60E-05	2.06E+08	0.82
23	22		262.369	5.26E-05	2.06E+08	0.77
24	23		273.771	5.98E-05	2.06E+08	0.71
25	24		285.172	6.76E-05	2.06E+08	0.65
26	25		296.573	7.61E-05	2.06E+08	0.58
27	26		307.973	8.53E-05	2.06E+08	0.51
28	27		319.373	9.52E-05	2.05E+08	0.44
29	28		330.771	1.06E-04	2.05E+08	0.35