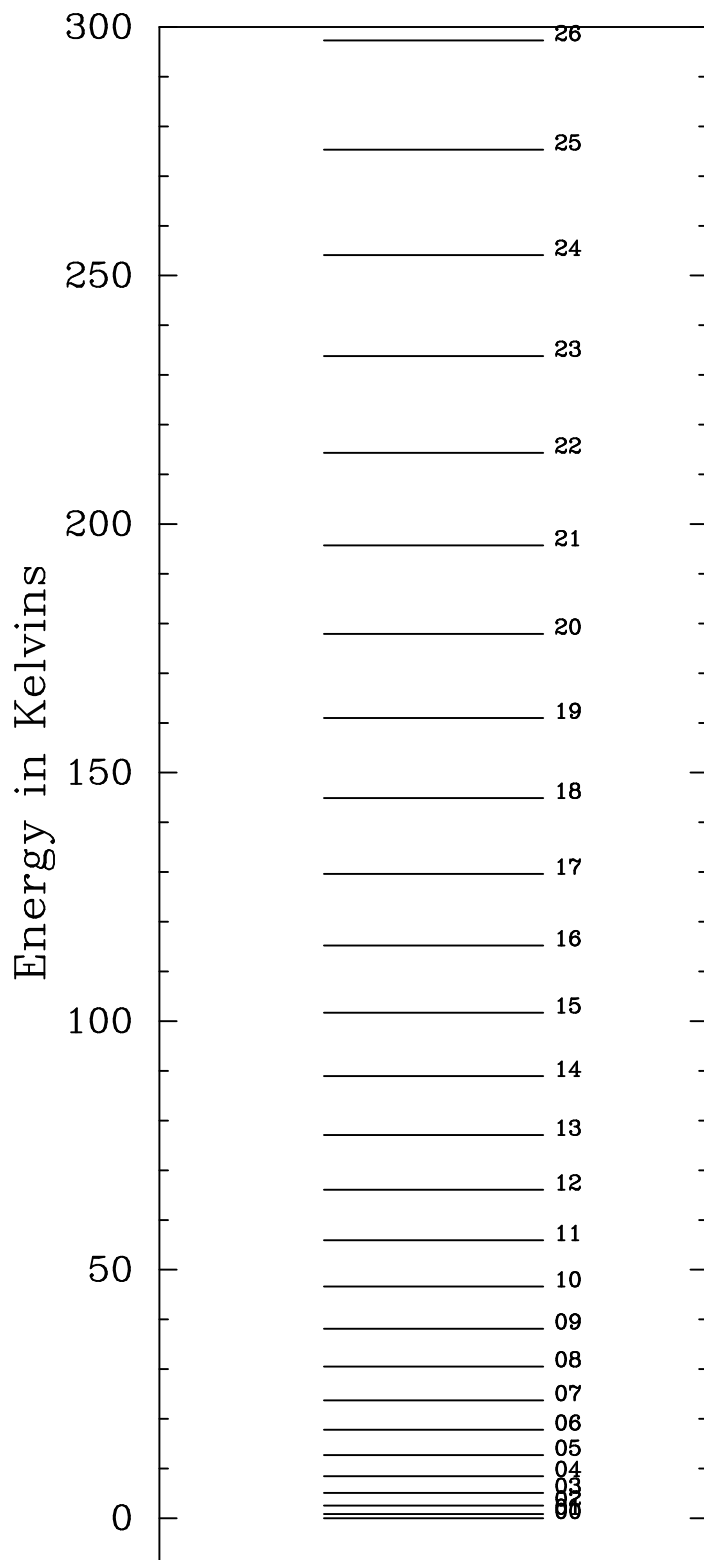


Si³⁴S

B(rot): 8.82886 GHz De = 5.8700E-06 GHz Dipole Mom = 1.730 Debye



Quantum Numbers			Level Degeneracy	Energy Above Ground (Kelvins)
J	K	K1		
00			1.	0.00
01			3.	0.85
02			5.	2.54
03			7.	5.08
04			9.	8.47
05			11.	12.71
06			13.	17.80
07			15.	23.73
08			17.	30.51
09			19.	38.13
10			21.	46.61
11			23.	55.93
12			25.	66.09
13			27.	77.11
14			29.	88.97
15			31.	101.68
16			33.	115.23
17			35.	129.63
18			37.	144.88
19			39.	160.97

QN(up)			QN(low)			Freq (GHz)	A(U-L)	B(L-U)	Log(Tau) relative
J	K	K1	J	K	K1				
01			00			17.658	6.39E-08	2.36E+09	-0.72
02			01			35.315	6.14E-07	1.58E+09	-0.13
03			02			52.973	2.22E-06	1.42E+09	0.21
04			03			70.629	5.46E-06	1.35E+09	0.44
05			04			88.286	1.09E-05	1.31E+09	0.60
06			05			105.941	1.91E-05	1.29E+09	0.73
07			06			123.596	3.07E-05	1.27E+09	0.82
08			07			141.250	4.62E-05	1.26E+09	0.89
09			08			158.902	6.62E-05	1.25E+09	0.94
10			09			176.554	9.13E-05	1.24E+09	0.98
11			10			194.204	1.22E-04	1.24E+09	0.99
12			11			211.852	1.59E-04	1.23E+09	1.00
13			12			229.499	2.03E-04	1.23E+09	0.99
14			13			247.144	2.54E-04	1.23E+09	0.97
15			14			264.787	3.13E-04	1.22E+09	0.95
16			15			282.427	3.81E-04	1.22E+09	0.91
17			16			300.066	4.57E-04	1.22E+09	0.86
18			17			317.702	5.43E-04	1.22E+09	0.80
19			18			335.336	6.40E-04	1.21E+09	0.73
20			19			352.967	7.47E-04	1.21E+09	0.66
21			20			370.595	8.66E-04	1.21E+09	0.58
22			21			388.220	9.96E-04	1.21E+09	0.49
23			22			405.842	1.14E-03	1.21E+09	0.39
24			23			423.460	1.30E-03	1.21E+09	0.28
25			24			441.077	1.47E-03	1.21E+09	0.16
26			25			458.688	1.65E-03	1.20E+09	0.04

Levels