

ClF3 Mon Jan 08 14:56:38 2001

LINES REQUESTED = 329 NUMBER OF PARAMETERS = 38 NUMBER OF ITERATIONS = 3

	parameters	value	a priori error		
1	1	10000	1.3748294310800E+004	1.000000E+017	A(35)
2	2	20000	4.6117541979199E+003	1.000000E+017	B(35)
3	3	30000	3.4486003973167E+003	1.000000E+017	C(35)
4	4	10011	1.3653579069105E+004	1.000000E+017	A(37)
5	5	20011	4.6119032315170E+003	1.000000E+017	B(37)
6	6	30011	3.4426914142594E+003	1.000000E+017	C(37)
7	7	200	-1.0865008168231E-003	1.000000E+017	-DelJ(35)
8	8	211	-1.0826351371325E-003	1.000000E+017	-DelJ(37)
9	9	1100	-9.9686638837852E-003	1.000000E+017	-DelJK(35)
10	10	1111	-9.8188601867477E-003	1.000000E+017	-DelJK(37)
11	11	2000	-2.4211926656506E-002	1.000000E+017	-DelK(35)
12	12	2011	-2.3011691730111E-002	1.000000E+017	-DelK(37)
13	13	40100	-2.3150080709616E-004	1.000000E+017	-delJ(35)
14	14	40111	-2.3336169626160E-004	1.000000E+017	-delJ(37)
15	15	41000	-5.6874420348454E-003	1.000000E+018	-delK(35)
16	16	41011	-5.6611187754337E-003	1.000000E+018	-delK(37)
17	17	399	9.0817688306982E-011	1.000000E+017	PhiJ(all)
18	18	1299	1.3273152562644E-008	1.000000E+017	PhiJK(all)
19	19	2199	-1.0865272370693E-007	1.000000E+017	PhiKJ(all)
20	20	3000	9.7557974779053E-008	1.000000E+017	PhiK(35)
21	20	-3011	9.0410035419730E-008	0.926731	PhiK(37)
22	21	40299	-3.3257430945416E-011	1.000000E+017	phiJ(all)
23	22	41199	1.0018553240159E-008	1.000000E+017	phiJK(all)
24	23	42099	1.2921378474638E-007	1.000000E+017	phiK(all)
25	24	110010000	-8.2028139476667E+001	1.000000E+017	Xaa(35)
26	24	-110030000	8.2028139476667E+001	-1.000000	Xcc(35)
27	25	110020000	-6.5359003551508E+001	1.000000E+017	Xbb(35)
28	25	-110030000	6.5359003551508E+001	-1.000000	Xcc(35)
29	26	110010011	-6.4646413743908E+001	1.000000E+017	Xaa(37)
30	26	-110030011	6.4646413743908E+001	-1.000000	Xcc(37)
31	27	110020011	-5.1526440018821E+001	1.000000E+017	Xbb(37)
32	27	-110030011	5.1526440018821E+001	-1.000000	Xcc(37)
33	28	10010000	1.8027881469156E-002	1.000000E+017	Caa(35)
34	28	-10010011	1.5006818973526E-002	0.832423	Caa(37)
35	29	10020000	3.3161292740912E-003	1.000000E+017	Cbb(35)
36	29	-10020011	2.7604215056682E-003	0.832423	Cbb(37)
37	30	10030000	1.9832297221531E-003	1.000000E+017	Ccc(35)
38	30	-10030011	1.6508855726718E-003	0.832423	Ccc(37)

38 parameters read, 30 independent parameters

ENERGY SORT OF WANG SUB-BLOCKS

PROLATE ROTOR

V KMIN KMAX ESYMWT SPINS

0	0	60	-1	1.5
1	0	60	-1	1.5

Maximum Dimension for Hamiltonian = 124

- I: Isotopomer; 0 is (35)ClF3, 1 is (37)ClF3
- F is rounded (up) to the nearest integer
- avg o-c is the intensity weighted average of the observed minus calculated frequencies if two or more lines overlap
- frequencies, uncertainties, and values of parameters are given in units of megahertz

	J"	Ka"Kc"	I	F"	J'	Ka'Kc'	I	F'	exp.freq.	exp.unc.	obs-calc	avg o-c	weight
1:	2	0	2	0	3	1	1	0	3	6859.947	0.015	0.00650	
2:	2	0	2	0	2	1	1	0	1	6863.782	0.013	0.00635	
3:	2	0	2	0	3	1	1	0	2	6876.331	0.019	0.01116	
4:	2	0	2	0	4	1	1	0	3	6883.525	0.017	0.01109	
5:	2	0	2	0	1	1	1	0	1	6887.322	0.016	0.00627	
6:	2	0	2	0	2	1	1	0	2	6893.172	0.021	0.00867	
7:	2	0	2	0	1	1	1	0	2	6916.707	0.008	0.00359	
8:	2	0	2	1	3	1	1	1	3	6945.428	0.014	-0.00284	
9:	2	0	2	1	3	1	1	1	2	6958.340	0.017	-0.00233	
10:	2	0	2	1	4	1	1	1	3	6964.043	0.015	-0.00089	
11:	2	0	2	1	1	1	1	1	1	6967.069	0.014	0.01054	
12:	2	0	2	1	2	1	1	1	2	6971.633	0.017	-0.00485	

13:	1	1	0	1	2	1	0	1	1	3	10230.832	0.010	-0.00070		
14:	1	1	0	0	1	1	0	1	0	1	10242.282	0.005	0.00167		
15:	1	1	0	1	2	1	0	1	1	2	10247.000	0.010	0.00252		
16:	1	1	0	0	1	1	0	1	0	2	10279.189	0.009	-0.00226		
17:	1	1	0	0	3	1	0	1	0	3	10288.183	0.003	-0.00010		
18:	1	1	0	0	2	1	0	1	0	1	10308.665	0.100	0.05137	0.01018	0.4809
19:	1	1	0	0	3	1	0	1	0	2	10308.665	0.100	-0.02796	0.01018	0.5191
20:	1	1	0	0	2	1	0	1	0	3	10325.016	0.008	0.00130		
21:	1	1	0	0	2	1	0	1	0	2	10345.530	0.010	0.00544		
22:	2	1	1	1	1	2	0	2	1	1	11454.733	0.012	-0.00374		
23:	2	1	1	1	2	2	0	2	1	1	11467.618	0.029	0.00349		
24:	2	1	1	1	1	2	0	2	1	2	11473.303	0.142	-0.02327		
25:	2	1	1	1	4	2	0	2	1	4	11477.198	0.006	0.00065		
26:	2	1	1	1	2	2	0	2	1	2	11486.210	0.005	0.00596		
27:	2	1	1	1	3	2	0	2	1	4	11490.081	0.013	-0.00377		
28:	2	1	1	1	3	2	0	2	1	2	11495.406	0.004	0.00372		
29:	2	1	1	1	4	2	0	2	1	3	11495.817	0.021	0.00661		
30:	2	1	1	1	2	2	0	2	1	3	11499.501	0.006	0.00143		
31:	2	1	1	1	3	2	0	2	1	3	11508.696	0.010	-0.00181		
32:	2	1	1	0	1	2	0	2	0	1	11527.025	0.015	0.01365		
33:	2	1	1	0	2	2	0	2	0	1	11543.343	0.010	0.00091		
34:	2	1	1	0	1	2	0	2	0	2	11550.550	0.013	-0.00144		
35:	2	1	1	0	4	2	0	2	0	4	11555.460	0.005	0.00158		
36:	2	1	1	0	2	2	0	2	0	2	11566.884	0.006	0.00182		
37:	2	1	1	0	3	2	0	2	0	4	11571.814	0.006	-0.00010		
38:	2	1	1	0	3	2	0	2	0	2	11578.548	0.007	0.00397		
39:	2	1	1	0	2	2	0	2	0	3	11583.727	0.005	0.00133		
40:	2	1	1	0	3	2	0	2	0	3	11595.389	0.007	0.00148		
41:	3	1	2	1	2	3	0	3	1	2	13565.239	0.010	-0.00547		
42:	3	1	2	1	3	3	0	3	1	2	13573.264	0.009	0.00281		
43:	3	1	2	1	5	3	0	3	1	5	13579.298	0.008	-0.00412		
44:	3	1	2	1	4	3	0	3	1	5	13587.347	0.049	0.02690	0.00031	0.5106
45:	3	1	2	1	2	3	0	3	1	3	13587.347	0.049	-0.02744	0.00031	0.4894
46:	3	1	2	1	3	3	0	3	1	3	13595.385	0.003	-0.00616		
47:	3	1	2	1	4	3	0	3	1	3	13599.141	0.007	-0.00127		
48:	3	1	2	1	5	3	0	3	1	4	13601.456	0.006	-0.00158		
49:	3	1	2	1	3	3	0	3	1	4	13605.721	0.012	-0.00346		
50:	3	1	2	1	4	3	0	3	1	4	13609.475	0.008	-0.00057		
51:	3	1	2	0	2	3	0	3	0	2	13623.775	0.009	-0.00476		
52:	3	1	2	0	3	3	0	3	0	2	13633.956	0.008	-0.00175		
53:	3	1	2	0	5	3	0	3	0	5	13641.558	0.012	-0.00415		
54:	3	1	2	0	4	3	0	3	0	5	13651.754	0.011	0.00174	0.00040	0.5122
55:	3	1	2	0	2	3	0	3	0	3	13651.754	0.011	-0.00101	0.00040	0.4878
56:	3	1	2	0	3	3	0	3	0	3	13661.933	0.006	0.00001		
57:	3	1	2	0	4	3	0	3	0	3	13666.701	0.010	0.00565		
58:	3	1	2	0	5	3	0	3	0	4	13669.568	0.031	-0.00406		
59:	3	1	2	0	3	3	0	3	0	4	13675.000	0.007	0.00019		
60:	3	1	2	0	4	3	0	3	0	4	13679.760	0.015	-0.00217		
61:	3	0	3	0	2	2	1	2	0	1	15677.957	0.008	0.01844		
62:	3	0	3	0	3	2	1	2	0	2	15686.858	0.010	0.01938		
63:	3	0	3	0	5	2	1	2	0	4	15691.215	0.005	0.00168		
64:	3	0	3	0	4	2	1	2	0	3	15700.060	0.006	0.00408		
65:	3	0	3	0	3	2	1	2	0	3	15713.128	0.007	0.00527		
66:	3	0	3	1	3	2	1	2	1	2	15761.498	0.010	0.00417		
67:	3	0	3	1	5	2	1	2	1	4	15764.987	0.010	0.00056		
68:	3	0	3	1	4	2	1	2	1	3	15771.888	0.009	0.00665		
69:	4	1	3	1	3	4	0	4	1	3	16686.710	0.018	0.00252		
70:	4	1	3	1	4	4	0	4	1	3	16691.772	0.033	-0.00435		
71:	4	1	3	1	4	4	0	4	1	4	16718.198	0.006	-0.00190		
72:	4	1	3	0	3	4	0	4	0	3	16719.820	0.019	0.00544		
73:	4	1	3	1	4	4	0	4	1	5	16727.466	0.018	-0.00564		
74:	4	1	3	1	5	4	0	4	1	5	16729.263	0.016	0.00241		
75:	4	1	3	0	4	4	0	4	0	4	16759.643	0.008	-0.00113		
76:	4	1	3	0	4	4	0	4	0	5	16771.354	0.008	-0.00188		
77:	1	1	1	1	2	0	0	0	1	2	17085.911	0.006	0.00121		
78:	1	1	1	1	3	0	0	0	1	2	17098.825	0.020	0.00373		
79:	1	1	1	1	1	0	0	0	1	2	17109.079	0.005	0.00028		
80:	1	1	1	0	2	0	0	0	0	2	17183.757	0.007	0.00024		
81:	1	1	1	0	3	0	0	0	0	2	17200.136	0.006	-0.00011		
82:	1	1	1	0	1	0	0	0	0	2	17213.147	0.010	0.00256		
83:	2	1	2	1	3	1	0	1	1	3	23957.650	0.100	0.04708		
84:	2	1	2	1	2	1	0	1	1	1	23965.230	0.100	-0.16955		
85:	2	1	2	1	3	1	0	1	1	2	23973.870	0.100	0.10230		
86:	2	1	2	1	4	1	0	1	1	3	23986.750	0.100	0.09671		
87:	2	1	2	1	1	1	0	1	1	1	23994.550	0.100	0.09105	0.07447	0.4391
88:	2	1	2	1	2	1	0	1	1	2	23994.550	0.100	0.06149	0.07447	0.5609
89:	2	1	2	0	2	1	0	1	0	1	24073.440	0.100	-0.04587		
90:	2	1	2	0	3	1	0	1	0	2	24084.000	0.100	-0.11269		
91:	2	1	2	0	4	1	0	1	0	3	24100.420	0.100	-0.03533		
92:	2	1	2	0	1	1	0	1	0	1	24110.320	0.100	-0.04117	-0.06116	0.4388
93:	2	1	2	0	2	1	0	1	0	2	24110.320	0.100	-0.07680	-0.06116	0.5612

94:	6	2	4	1	5	6	1	5	1	5	24111.820	0.100	0.11007		
95:	6	2	4	1	7	6	1	5	1	7	24118.200	0.100	0.00044		
96:	5	2	3	0	4	5	1	4	0	4	24308.650	0.100	-0.05064		
97:	5	2	3	0	7	5	1	4	0	7	24309.120	0.100	0.03589		
98:	5	2	3	0	5	5	1	4	0	5	24310.050	0.100	0.05647		
99:	5	2	3	0	6	5	1	4	0	6	24310.480	0.100	0.11202		
100:	6	2	4	0	8	6	1	5	0	8	24321.860	0.100	0.04836		
101:	6	2	4	0	6	6	1	5	0	6	24326.600	0.100	-0.06069		
102:	6	2	4	0	7	6	1	5	0	7	24328.150	0.100	-0.02089		
103:	7	2	5	0	6	7	1	6	0	6	25365.840	0.100	0.20570		
104:	7	2	5	0	9	7	1	6	0	9	25368.110	0.100	0.09064		
105:	17	5	12	0	18	17	4	13	0	18	66942.539	0.030	0.00247		
106:	17	5	12	0	17	17	4	13	0	17	66943.200	0.030	0.00156		
107:	17	5	12	0	19	17	4	13	0	19	66950.355	0.030	0.00644		
108:	17	5	12	0	16	17	4	13	0	16	66951.002	0.030	0.00279		
109:	18	12	7	0	17	19	11	8	0	18	67900.637	0.020	0.01778	0.01774	0.7500
110:	18	12	6	0	17	19	11	9	0	18	67900.637	0.020	0.01762	0.01774	0.2500
111:	18	12	7	0	20	19	11	8	0	21	67901.124	0.030	-0.01451	-0.01455	0.7504
112:	18	12	6	0	20	19	11	9	0	21	67901.124	0.030	-0.01467	-0.01455	0.2496
113:	10	4	7	1	9	10	3	8	1	9	67905.342	0.010	0.00446		
114:	18	12	7	0	18	19	11	8	0	19	67906.127	0.010	0.01254	-0.00019	0.1954
115:	18	12	6	0	18	19	11	9	0	19	67906.127	0.010	0.01238	-0.00019	0.0652
116:	10	4	7	1	12	10	3	8	1	12	67906.127	0.010	-0.00466	-0.00019	0.7394
117:	18	12	7	0	19	19	11	8	0	20	67906.618	0.030	0.02638	0.02634	0.7493
118:	18	12	6	0	19	19	11	9	0	20	67906.618	0.030	0.02622	0.02634	0.2507
119:	10	4	7	1	10	10	3	8	1	10	67910.557	0.010	0.00517		
120:	10	4	7	1	11	10	3	8	1	11	67911.286	0.010	0.00021		
121:	27	8	19	0	26	26	9	18	0	25	67975.854	0.020	0.08506	-0.00657	0.3511
122:	27	8	19	0	29	26	9	18	0	28	67975.854	0.020	-0.01290	-0.00657	0.3924
123:	9	4	6	0	8	9	3	7	0	8	67975.854	0.020	-0.12231	-0.00657	0.2565
124:	9	4	6	0	11	9	3	7	0	11	67977.009	0.020	0.01138		
125:	27	8	19	0	27	26	9	18	0	26	67977.855	0.020	0.06238	0.00556	0.4905
126:	27	8	19	0	28	26	9	18	0	27	67977.855	0.020	-0.04914	0.00556	0.5095
127:	9	4	6	0	9	9	3	7	0	9	67982.126	0.020	0.00532		
128:	9	4	6	0	10	9	3	7	0	10	67983.099	0.020	0.00218		
129:	39	13	26	0	41	38	14	25	0	40	68000.680	0.010	0.03296	0.00174	0.2599
130:	39	13	26	0	38	38	14	25	0	37	68000.680	0.010	0.01125	0.00174	0.2406
131:	39	13	26	0	40	38	14	25	0	39	68000.680	0.010	-0.01739	0.00174	0.2524
132:	39	13	26	0	39	38	14	25	0	38	68000.680	0.010	-0.02081	0.00174	0.2470
133:	17	3	14	1	17	17	2	15	1	17	68001.864	0.010	0.00481		
134:	17	3	14	1	18	17	2	15	1	18	68003.398	0.010	-0.00114		
135:	20	6	14	0	21	20	5	15	0	21	86821.402	0.025	0.01842		
136:	20	6	14	0	20	20	5	15	0	20	86821.971	0.025	-0.00814		
137:	8	5	4	0	8	8	4	5	0	8	86824.203	0.015	0.01225		
138:	8	5	4	0	9	8	4	5	0	9	86825.364	0.015	0.00271		
139:	17	4	14	0	16	17	3	15	0	16	86858.691	0.020	-0.00423		
140:	17	4	14	0	19	17	3	15	0	19	86859.851	0.020	-0.00836		
141:	10	2	9	0	11	9	1	8	0	10	86934.629	0.010	0.00275		
142:	10	2	9	0	10	9	1	8	0	9	86936.425	0.020	-0.00590		
143:	10	2	9	0	12	9	1	8	0	11	86948.765	0.025	-0.00543		
144:	10	2	9	0	9	9	1	8	0	8	86950.538	0.025	-0.01150		
145:	30	6	25	0	31	29	7	22	0	30	89243.003	0.020	0.00289		
146:	30	6	25	0	30	29	7	22	0	29	89243.981	0.020	-0.00433		
147:	17	2	15	0	16	17	1	16	0	16	92541.279	0.010	0.00622		
148:	17	2	15	0	17	17	1	16	0	17	92562.791	0.020	-0.00679		
149:	17	2	15	0	18	17	1	16	0	18	92564.643	0.010	-0.00717		
150:	22	4	19	0	21	22	3	20	0	21	116424.281	0.015	0.00420		
151:	22	4	19	0	24	22	3	20	0	24	116425.235	0.015	-0.00897		
152:	9	5	5	0	8	8	4	4	0	7	159909.048	0.030	-0.02528		
153:	9	5	5	0	11	8	4	4	0	10	159909.484	0.030	-0.00425		
154:	9	5	5	0	9	8	4	4	0	8	159911.178	0.030	-0.02256		
155:	9	5	5	0	10	8	4	4	0	9	159911.590	0.030	0.00315		
156:	9	5	4	0	8	8	4	5	0	7	160051.110	0.030	0.02602		
157:	9	5	4	0	11	8	4	5	0	10	160051.677	0.030	0.05878		
158:	9	5	4	0	9	8	4	5	0	8	160053.885	0.030	-0.00169		
159:	9	5	4	0	10	8	4	5	0	9	160054.460	0.030	0.06585		
160:	11	4	7	0	10	10	3	8	0	9	160127.576	0.020	0.02464		
161:	11	4	7	0	13	10	3	8	0	12	160128.950	0.010	-0.00632		
162:	11	4	7	0	11	10	3	8	0	10	160136.981	0.010	-0.00634		
163:	11	4	7	0	12	10	3	8	0	11	160138.344	0.010	-0.00604		
164:	21	2	19	1	21	20	3	18	1	20	161379.487	0.010	0.00920	-0.00085	0.4884
165:	21	2	19	1	22	20	3	18	1	21	161379.487	0.010	-0.01044	-0.00085	0.5116
166:	21	2	19	1	20	20	3	18	1	19	161380.481	0.010	0.01226	0.00056	0.4653
167:	21	2	19	1	23	20	3	18	1	22	161380.481	0.010	-0.00962	0.00056	0.5347
168:	21	2	19	0	21	20	3	18	0	20	161601.318	0.010	0.01074	-0.00322	0.4879
169:	21	2	19	0	22	20	3	18	0	21	161601.318	0.010	-0.01652	-0.00322	0.5121
170:	21	2	19	0	20	20	3	18	0	19	161602.535	0.010	0.01267	-0.00306	0.4643
171:	21	2	19	0	23	20	3	18	0	22	161602.535	0.010	-0.01670	-0.00306	0.5357
172:	14	4	11	0	15	13	3	10	0	14	161728.950	0.010	-0.00754		
173:	14	4	11	0	14	13	3	10	0	13	161730.719	0.010	-0.01026		
174:	14	4	11	0	16	13	3	10	0	15	161745.607	0.010	0.00655		
175:	14	4	11	0	13	13	3	10	0	12	161747.374	0.010	0.00668		

176:	22	1	21	1	22	21	2	20	1	21	161835.361	0.010	0.03051	-0.00471	0.4880
177:	22	1	21	1	23	21	2	20	1	22	161835.361	0.010	-0.03829	-0.00471	0.5120
178:	22	1	21	1	21	21	2	20	1	20	161836.182	0.010	0.03526	-0.00349	0.4652
179:	22	1	21	1	24	21	2	20	1	23	161836.182	0.010	-0.03720	-0.00349	0.5348
180:	22	2	21	1	22	21	1	20	1	21	161874.147	0.010	0.03330	-0.00058	0.4891
181:	22	2	21	1	23	21	1	20	1	22	161874.147	0.010	-0.03301	-0.00058	0.5109
182:	22	2	21	1	21	21	1	20	1	20	161875.004	0.010	0.04032	0.00284	0.4664
183:	22	2	21	1	24	21	1	20	1	23	161875.004	0.010	-0.02991	0.00284	0.5336
184:	34	10	25	0	35	34	9	26	0	35	169346.813	0.010	0.00119	-0.00728	0.5075
185:	34	10	25	0	34	34	9	26	0	34	169346.813	0.010	-0.01602	-0.00728	0.4925
186:	34	10	25	0	36	34	9	26	0	36	169347.470	0.010	-0.00164	-0.00512	0.5220
187:	34	10	25	0	33	34	9	26	0	33	169347.470	0.010	-0.00891	-0.00512	0.4780
188:	32	10	22	0	34	32	9	23	0	34	169445.628	0.010	0.03462	-0.00528	0.5229
189:	32	10	22	0	31	32	9	23	0	31	169445.628	0.010	-0.04901	-0.00528	0.4771
190:	41	10	32	0	40	41	9	33	0	40	169462.063	0.010	0.06255	0.00518	0.4819
191:	41	10	32	0	43	41	9	33	0	43	169462.063	0.010	-0.04817	0.00518	0.5181
192:	41	10	32	0	41	41	9	33	0	41	169464.718	0.010	0.05987	0.00662	0.4940
193:	41	10	32	0	42	41	9	33	0	42	169464.718	0.010	-0.04536	0.00662	0.5060
194:	23	4	19	1	22	22	5	18	1	21	169554.597	0.020	-0.01347		
195:	23	4	19	1	25	22	5	18	1	24	169555.046	0.020	0.00236		
196:	23	4	19	1	23	22	5	18	1	22	169561.029	0.020	-0.00721		
197:	23	4	19	1	24	22	5	18	1	23	169561.478	0.020	0.00655		
198:	34	6	29	0	33	34	5	30	0	33	169925.176	0.020	-0.00410		
199:	34	6	29	0	36	34	5	30	0	36	169925.632	0.020	0.00585		
200:	34	6	29	0	35	34	5	30	0	35	169935.413	0.020	0.00813		
201:	40	7	33	0	39	40	6	34	0	39	169945.520	0.020	-0.00861		
202:	40	7	33	0	42	40	6	34	0	42	169945.958	0.020	0.00079		
203:	34	8	26	1	33	33	9	25	1	32	169946.735	0.030	-0.01680	-0.01680	0.5892
204:	34	8	26	1	33	33	9	25	1	32	169946.735	0.020	-0.01680	-0.01680	0.4108
205:	34	8	26	1	36	33	9	25	1	35	169947.131	0.020	0.01033	0.01033	0.5892
206:	34	8	26	1	36	33	9	25	1	35	169947.131	0.020	0.01033	0.01033	0.4108
207:	66	20	47	0	68	65	21	44	0	67	169948.678	0.020	0.00096	-0.00437	0.5112
208:	66	20	47	0	65	65	21	44	0	64	169948.678	0.020	-0.00995	-0.00437	0.4888
209:	66	20	47	0	66	65	21	44	0	65	169949.188	0.020	0.00557	0.00323	0.4957
210:	66	20	47	0	67	65	21	44	0	66	169949.188	0.020	0.00092	0.00323	0.5043
211:	41	27	14	0	40	42	26	17	0	41	169950.506	0.030	0.08836	0.00085	0.4826
212:	41	27	14	0	43	42	26	17	0	44	169950.506	0.030	-0.08078	0.00085	0.5174
213:	34	8	26	1	34	33	9	25	1	33	169956.058	0.030	-0.01525	-0.01525	0.5889
214:	34	8	26	1	34	33	9	25	1	33	169956.058	0.030	-0.01525	-0.01525	0.4111
215:	40	7	33	0	40	40	6	34	0	40	169956.717	0.020	-0.00852		
216:	40	7	33	0	41	40	6	34	0	41	169957.155	0.020	0.01146		
217:	34	6	29	1	33	34	5	30	1	33	170135.174	0.020	-0.01436		
218:	34	6	29	1	36	34	5	30	1	36	170135.549	0.020	0.00991		
219:	34	6	29	1	34	34	5	30	1	34	170142.857	0.020	-0.01951		
220:	34	6	29	1	35	34	5	30	1	35	170143.226	0.020	0.01126		
221:	40	11	29	0	41	40	10	30	0	41	170336.358	0.030	0.13137	0.03773	0.5060
222:	40	11	29	0	40	40	10	30	0	40	170336.358	0.030	-0.05818	0.03773	0.4940
223:	40	11	29	0	42	40	10	30	0	42	170341.647	0.040	0.09090	0.00771	0.5186
224:	40	11	29	0	39	40	10	30	0	39	170341.647	0.040	-0.08189	0.00771	0.4814
225:	19	4	16	1	20	18	3	15	1	19	170565.068	0.040	0.00553		
226:	19	4	16	1	19	18	3	15	1	18	170565.800	0.030	-0.00302		
227:	19	4	16	1	21	18	3	15	1	20	170574.883	0.020	0.01259		
228:	19	4	16	1	18	18	3	15	1	17	170575.601	0.030	-0.00037		
229:	31	7	24	1	30	30	8	23	1	29	171006.573	0.020	0.00660		
230:	31	7	24	1	33	30	8	23	1	32	171007.075	0.020	0.01376		
231:	37	6	31	1	36	37	5	32	1	36	171008.763	0.030	-0.00616		
232:	37	6	31	1	39	37	5	32	1	39	171009.135	0.030	0.01776		
233:	37	6	31	1	38	37	5	32	1	38	171017.509	0.030	0.04009		
234:	42	10	33	1	41	42	9	34	1	41	171168.559	0.010	0.05616	0.00044	0.4816
235:	42	10	33	1	44	42	9	34	1	44	171168.559	0.010	-0.05132	0.00044	0.5184
236:	42	10	33	1	42	42	9	34	1	42	171171.367	0.010	0.05450	-0.00106	0.4945
237:	42	10	33	1	43	42	9	34	1	43	171171.367	0.010	-0.05541	-0.00106	0.5055
238:	64	15	49	0	66	64	14	50	0	66	171179.546	0.030	0.03489	-0.00972	0.5117
239:	64	15	49	0	63	64	14	50	0	63	171179.546	0.030	-0.05647	-0.00972	0.4883
240:	32	4	28	0	31	32	3	29	0	31	171246.011	0.020	-0.00998		
241:	32	4	28	0	34	32	3	29	0	34	171246.530	0.020	-0.00992		
242:	32	4	28	0	32	32	3	29	0	32	171256.820	0.020	0.00910		
243:	32	4	28	0	33	32	3	29	0	33	171257.324	0.020	0.00955		
244:	40	7	33	1	39	40	6	34	1	39	171274.231	0.030	-0.02082		
245:	40	7	33	1	42	40	6	34	1	42	171274.579	0.030	-0.00381		
246:	40	7	33	1	40	40	6	34	1	40	171282.854	0.030	-0.02124		
247:	40	7	33	1	41	40	6	34	1	41	171283.205	0.030	0.00731		
248:	26	1	25	0	25	26	0	26	0	25	171357.008	0.010	0.00417		
249:	26	1	25	0	28	26	0	26	0	28	171357.767	0.020	-0.00328		
250:	26	2	25	0	25	26	1	26	0	25	171358.482	0.010	0.00798		
251:	26	2	25	0	28	26	1	26	0	28	171359.241	0.010	0.00061		
252:	31	10	22	1	32	31	9	23	1	32	171362.693	0.020	0.01778	0.00787	0.5090
253:	31	10	22	1	31	31	9	23	1	31	171362.693	0.020	-0.00240	0.00787	0.4910
254:	31	10	22	1	33	31	9	23	1	33	171363.244	0.020	0.01237	0.01145	0.5247
255:	31	10	22	1	30	31	9	23	1	30	171363.244	0.020	0.01042	0.01145	0.4753

256:	26	1	25	0	26	26	0	26	0	26	171370.145	0.010	0.00004		
257:	26	1	25	0	27	26	0	26	0	27	171370.894	0.020	-0.00829		
258:	26	2	25	0	26	26	1	26	0	26	171371.610	0.010	-0.00375		
259:	26	2	25	0	27	26	1	26	0	27	171372.366	0.010	-0.00500		
260:	32	4	28	1	31	32	3	29	1	31	171393.344	0.020	0.00207		
261:	32	4	28	1	34	32	3	29	1	34	171393.743	0.020	-0.00538		
262:	32	4	28	1	32	32	3	29	1	32	171401.762	0.020	-0.01107		
263:	32	4	28	1	33	32	3	29	1	33	171402.180	0.020	0.01289		
264:	30	10	20	1	32	30	9	21	1	32	171655.208	0.030	-0.00203	-0.01574	0.5236
265:	30	10	20	1	29	30	9	21	1	29	171655.208	0.030	-0.03080	-0.01574	0.4764
266:	11	5	6	0	11	10	4	7	0	10	176208.133	0.020	-0.01009		
267:	11	5	6	0	12	10	4	7	0	11	176208.569	0.020	0.00900		
268:	27	10	17	0	27	27	9	18	0	27	177743.644	0.020	0.07182	-0.01218	0.2450
269:	27	10	17	0	28	27	9	18	0	28	177743.644	0.020	0.06964	-0.01218	0.2542
270:	27	10	17	0	26	27	9	18	0	26	177743.644	0.020	-0.08338	-0.01218	0.2368
271:	27	10	17	0	29	27	9	18	0	29	177743.644	0.020	-0.10507	-0.01218	0.2640
272:	25	10	16	1	24	25	9	17	1	24	177759.309	0.030	0.00148	-0.02384	0.4716
273:	25	10	16	1	27	25	9	17	1	27	177759.309	0.030	-0.04644	-0.02384	0.5284
274:	25	10	16	1	25	25	9	17	1	25	177759.677	0.040	0.02566	0.01039	0.4891
275:	25	10	16	1	26	25	9	17	1	26	177759.677	0.040	-0.00423	0.01039	0.5109
276:	51	10	41	0	50	51	9	42	0	50	177760.424	0.040	-0.01648		
277:	51	10	41	0	53	51	9	42	0	53	177760.775	0.040	0.00373		
278:	51	10	41	0	51	51	9	42	0	51	177771.491	0.040	-0.02201		
279:	51	10	41	0	52	51	9	42	0	52	177771.846	0.040	0.00869		
280:	27	10	18	0	27	27	9	19	0	27	177895.751	0.020	0.01529	0.00015	0.2450
281:	27	10	18	0	26	27	9	19	0	26	177895.751	0.020	0.00578	0.00015	0.2368
282:	27	10	18	0	28	27	9	19	0	28	177895.751	0.020	0.00481	0.00015	0.2542
283:	27	10	18	0	29	27	9	19	0	29	177895.751	0.020	-0.02343	0.00015	0.2639
284:	42	9	34	1	41	42	8	35	1	41	177897.309	0.040	0.11812	0.01243	0.4826
285:	42	9	34	1	44	42	8	35	1	44	177897.309	0.040	-0.08614	0.01243	0.5174
286:	39	14	26	0	39	38	13	25	0	38	573165.619	0.040	0.02296	0.00343	0.2467
287:	39	14	26	0	38	38	13	25	0	37	573165.619	0.040	0.01183	0.00343	0.2401
288:	39	14	26	0	40	38	13	25	0	39	573165.619	0.040	0.00708	0.00343	0.2533
289:	39	14	26	0	41	38	13	25	0	40	573165.619	0.040	-0.02645	0.00343	0.2599
290:	39	14	25	0	39	38	13	26	0	38	573172.358	0.030	0.01714	-0.00004	0.2468
291:	39	14	25	0	38	38	13	26	0	37	573172.358	0.030	0.01088	-0.00004	0.2407
292:	39	14	25	0	40	38	13	26	0	39	573172.358	0.030	0.00106	-0.00004	0.2530
293:	39	14	25	0	41	38	13	26	0	40	573172.358	0.030	-0.02758	-0.00004	0.2596
294:	42	13	30	0	43	41	12	29	0	42	573711.078	0.070	-0.00245	-0.00960	0.5060
295:	42	13	30	0	42	41	12	29	0	41	573711.078	0.070	-0.01691	-0.00960	0.4940
296:	42	13	30	0	41	41	12	29	0	40	573711.961	0.070	0.05275	0.05043	0.4820
297:	42	13	30	0	44	41	12	29	0	43	573711.961	0.070	0.04827	0.05043	0.5180
298:	34	16	19	0	33	33	15	18	0	32	574124.969	0.050	0.33013	-0.00163	0.1794
299:	34	16	18	0	33	33	15	19	0	32	574124.969	0.050	0.32987	-0.00163	0.0598
300:	34	16	19	0	36	33	15	18	0	35	574124.969	0.050	0.26016	-0.00163	0.1959
301:	34	16	18	0	36	33	15	19	0	35	574124.969	0.050	0.25991	-0.00163	0.0653
302:	34	16	19	0	34	33	15	18	0	33	574124.969	0.050	-0.27531	-0.00163	0.1846
303:	34	16	18	0	34	33	15	19	0	33	574124.969	0.050	-0.27556	-0.00163	0.0615
304:	34	16	19	0	35	33	15	18	0	34	574124.969	0.050	-0.31843	-0.00163	0.1902
305:	34	16	18	0	35	33	15	19	0	34	574124.969	0.050	-0.31869	-0.00163	0.0633
306:	82	2	81	0	82	81	1	80	0	81	574504.454	0.030	0.04700	0.00012	0.1865
307:	82	1	81	0	82	81	2	80	0	81	574504.454	0.030	0.04700	0.00012	0.0621
308:	82	2	81	0	83	81	1	80	0	82	574504.454	0.030	0.03148	0.00012	0.1889
309:	82	1	81	0	83	81	2	80	0	82	574504.454	0.030	0.03148	0.00012	0.0629
310:	82	2	81	0	81	81	1	80	0	80	574504.454	0.030	-0.02906	0.00012	0.1842
311:	82	1	81	0	81	81	2	80	0	80	574504.454	0.030	-0.02906	0.00012	0.0614
312:	82	2	81	0	84	81	1	80	0	83	574504.454	0.030	-0.04863	0.00012	0.1905
313:	82	1	81	0	84	81	2	80	0	83	574504.454	0.030	-0.04863	0.00012	0.0636
314:	27	19	8	0	26	26	18	9	0	25	576292.152	0.060	-0.01142	-0.05229	0.3545
315:	27	19	9	0	26	26	18	8	0	25	576292.152	0.060	-0.01142	-0.05229	0.1182
316:	27	19	8	0	29	26	18	9	0	28	576292.152	0.060	-0.08893	-0.05229	0.3952
317:	27	19	9	0	29	26	18	8	0	28	576292.152	0.060	-0.08893	-0.05229	0.1321
318:	27	19	8	0	27	26	18	9	0	26	576293.102	0.060	0.03346	0.01093	0.3679
319:	27	19	9	0	27	26	18	8	0	26	576293.102	0.060	0.03346	0.01093	0.1228
320:	27	19	8	0	28	26	18	9	0	27	576293.102	0.060	-0.01077	0.01093	0.3819
321:	27	19	9	0	28	26	18	8	0	27	576293.102	0.060	-0.01077	0.01093	0.1274
322:	40	14	27	0	40	39	13	26	0	39	580689.658	0.020	0.06160	0.00146	0.2467
323:	40	14	27	0	41	39	13	26	0	40	580689.658	0.020	0.04932	0.00146	0.2530
324:	40	14	27	0	39	39	13	26	0	38	580689.658	0.020	-0.03465	0.00146	0.2409
325:	40	14	27	0	42	39	13	26	0	41	580689.658	0.020	-0.06891	0.00146	0.2594
326:	40	14	26	0	40	39	13	27	0	39	580702.807	0.040	0.06350	0.00762	0.2463
327:	40	14	26	0	41	39	13	27	0	40	580702.807	0.040	0.05086	0.00762	0.2530
328:	40	14	26	0	39	39	13	27	0	38	580702.807	0.040	-0.02377	0.00762	0.2409
329:	40	14	26	0	42	39	13	27	0	41	580702.807	0.040	-0.05836	0.00762	0.2598

			value of parameter (estimated uncertainty)
1	10000	A(35)	13748.29431 (44)
2	20000	B(35)	4611.754198 (168)
3	30000	C(35)	3448.600397 (142)
4	10011	A(37)	13653.57907 (76)
5	20011	B(37)	4611.903232 (299)
6	30011	C(37)	3442.691414 (290)
7	200	-DelJ(35)	-1.086501 (120)E-03
8	211	-DelJ(37)	-1.082635 (261)E-03
9	1100	-DelJK(35)	-9.96866 (61)E-03
10	1111	-DelJK(37)	-9.81886 (121)E-03
11	2000	-DelK(35)	-0.0242119 (33)
12	2011	-DelK(37)	-0.0230117 (88)
13	40100	-delJ(35)	-0.231501 (41)E-03
14	40111	-delJ(37)	-0.233362 (44)E-03
15	41000	-delK(35)	-5.68744 (90)E-03
16	41011	-delK(37)	-5.66112 (135)E-03
17	399	PhiJ(all)	0.0908 (263)E-09
18	1299	PhiJK(all)	0.01327 (157)E-06
19	2199	PhiKJ(all)	-0.1087 (52)E-06
20	3000	PhiK(35)	0.0976 (34)E-06
21	40299	phiJ(all)	-0.0333 (108)E-09
22	41199	phiJK(all)	0.01002 (92)E-06
23	42099	phiK(all)	0.1292 (188)E-06
24	110010000	Xaa(35)	-82.0281 (90)
25	110020000	Xbb(35)	-65.3590 (101)
26	110010011	Xaa(37)	-64.6464 (119)
27	110020011	Xbb(37)	-51.5264 (102)
28	10010000	Caa(35)	0.01803 (152)
29	10020000	Cbb(35)	3.32 (58)E-03
30	10030000	Ccc(35)	1.98 (60)E-03

MICROWAVE AVG = 0.002812 MHz,
MICROWAVE RMS = 0.028484 MHz,
END OF ITERATION 1 OLD, NEW RMS ERROR= 0.58882
ClF3

Mon Jan 08 14:56:57 2001