Appendix III: Transitions of ν_1 of $C^{35}Cl_2{}^{37}ClF$ (in cm^{-1}).

J'	K'_a	K'_c	J	K_a	K_c	$\tilde{\nu}_0^{\rm exp}/cm^{-1}$	o-c
16	4	12	17	5	12	1077.8623	2
16	5	12	17	6	12	1077.8623	2
16	6	11	17	7	11	1077.8756	2
16	5	11	17	6	11	1077.8756	2
16	7	10	17	8	10	1077.8877	1
16	6	10	17	7	10	1077.8877	1
16	8	9	17	9	9	1077.8992	4
16	7	9	17	8	9	1077.8992	4
16	9	8	17	10	8	1077.9092	3
16	8	8	17	9	8	1077.9092	3
16	16	1	17	17	1	1077.9125	1
16	16	0	17	17	0	1077.9125	0
16	10	7	17	11	7	1077.9181	0
16	9	7	17	10	7	1077.9181	0
16	15	2	17	16	2	1077.9249	−1
16	11	6	17	12	6	1077.9265	0
16	15	1	17	16	1	1077.9265	−1
16	10	6	17	11	6	1077.9265	−1
16	14	3	17	15	3	1077.9353	2
16	11	5	17	12	5	1077.9353	−1
16	14	2	17	15	2	1077.9452	−1
16	12	4	17	13	4	1077.9478	−3
16	13	3	17	14	3	1077.9559	−2
15	2	13	16	3	13	1078.0135	−1
15	3	13	16	4	13	1078.0135	−1
15	3	12	16	4	12	1078.0279	−1
15	4	12	16	5	12	1078.0279	−1
15	5	11	16	6	11	1078.0406	−6
15	4	11	16	5	11	1078.0406	−6
15	6	10	16	7	10	1078.0538	4
15	5	10	16	6	10	1078.0538	4
15	7	9	16	8	9	1078.0645	0
15	6	9	16	7	9	1078.0645	0
15	8	8	16	9	8	1078.0748	3
15	7	8	16	8	8	1078.0748	3
15	15	1	16	16	1	1078.0807	0
15	15	0	16	16	0	1078.0807	−1
15	9	7	16	10	7	1078.0834	−2
15	8	7	16	9	7	1078.0834	−2
15	10	6	16	11	6	1078.0916	−2
15	9	6	16	10	6	1078.0916	−3
15	14	2	16	15	2	1078.0930	−2
15	14	1	16	15	1	1078.0954	0
15	11	5	16	12	5	1078.0997	5
15	10	5	16	11	5	1078.0997	−4
15	13	3	16	14	3	1078.1016	−8
15	12	4	16	13	4	1078.1039	−1
15	11	4	16	12	4	1078.1117	4
15	13	2	16	14	2	1078.1141	2
15	12	3	16	13	3	1078.1212	−1
14	0	14	15	1	14	1078.1635	−3
14	1	14	15	2	14	1078.1635	−3
14	1	13	15	2	13	1078.1785	−7
14	2	13	15	3	13	1078.1785	−7
14	2	12	15	3	12	1078.1932	−4
14	3	12	15	4	12	1078.1932	−4
14	3	11	15	4	11	1078.2067	−1
14	4	11	15	5	11	1078.2067	−1
14	5	10	15	6	10	1078.2189	0
14	4	10	15	5	10	1078.2189	0
14	6	9	15	7	9	1078.2301	1
14	5	9	15	6	9	1078.2301	1
14	7	8	15	8	8	1078.2402	2
14	6	8	15	7	8	1078.2402	2
14	14	1	15	15	1	1078.2490	3
14	14	0	15	15	0	1078.2490	1
14	8	7	15	9	7	1078.2490	1
14	7	7	15	8	7	1078.2490	1
14	9	6	15	10	6	1078.2572	2
14	8	6	15	9	6	1078.2572	1
14	13	2	15	14	2	1078.2600	−10
14	13	1	15	14	1	1078.2649	8
14	10	5	15	11	5	1078.2649	7
14	9	5	15	10	5	1078.2649	1
14	11	4	15	12	4	1078.2698	3
14	10	4	15	11	4	1078.2744	−2
14	11	3	15	12	3	1078.2854	−2
13	0	13	14	1	13	1078.3446	0
13	1	13	14	2	13	1078.3446	0
13	1	12	14	2	12	1078.3589	−1
13	2	12	14	3	12	1078.3589	−1
13	2	11	14	3	11	1078.3722	0
13	3	11	14	4	11	1078.3722	0
13	3	10	14	4	10	1078.3845	2
13	4	10	14	5	10	1078.3845	2
13	5	9	14	6	9	1078.3955	2
13	4	9	14	5	9	1078.3955	2
13	6	8	14	7	8	1078.4057	5
13	5	8	14	6	8	1078.4057	5
13	7	7	14	8	7	1078.4145	4
13	6	7	14	7	7	1078.4145	4
13	13	1	14	14	1	1078.4166	1
13	13	0	14	14	0	1078.4166	−2
13	8	6	14	9	6	1078.4223	2
13	7	6	14	8	6	1078.4223	2
13	12	2	14	13	2	1078.4283	−2
13	8	5	14	9	5	1078.4293	−1
13	12	1	14	13	1	1078.4325	−1
13	11	3	14	12	3	1078.4351	−4
13	9	4	14	10	4	1078.4382	2
13	11	2	14	12	2	1078.4487	0
13	10	3	14	11	3	1078.4487	−6
12	0	12	13	1	12	1078.5238	−4
12	1	12	13	2	12	1078.5238	−4
12	1	11	13	2	11	1078.5376	2
12	2	11	13	3	11	1078.5376	2
12	3	10	13	4	10	1078.5496	2
12	2	10	13	3	10	1078.5496	2
12	4	9	13	5	9	1078.5607	3
12	3	9	13	4	9	1078.5607	3
12	5	8	13	6	8	1078.5706	3
12	4	8	13	5	8	1078.5706	3
12	6	7	13	7	7	1078.5795	4
12	5	7	13	6	7	1078.5795	4
12	12	1	13	13	1	1078.5839	−1
12	12	0	13	13	0	1078.5839	−5
12	7	6	13	8	6	1078.5873	3
12	6	6	13	7	6	1078.5873	3
12	8	5	13	9	5	1078.5943	4
12	7	5	13	8	5	1078.5943	3

o-c (observed minus calculated) is in 10^{-4} cm^{-1}

Continued (1) Appendix III: Transitions of ν_1 of $C^{35}Cl_2{}^{37}ClF$ (in cm^{-1}).

J'	K'_a	K'_c	J	K_a	K_c	$\tilde{\nu}_0^{\rm exp}/cm^{-1}$	o-c
12	11	1	13	12	1	1078.6014	6
12	10	3	13	11	3	1078.6014	1
12	8	4	13	9	4	1078.6014	−2
12	9	3	13	10	3	1078.6125	1
12	10	2	13	11	2	1078.6141	−5
11	0	11	12	1	11	1078.7022	−1
11	1	11	12	2	11	1078.7022	−1
11	1	10	12	2	10	1078.7143	0
11	2	10	12	3	10	1078.7143	0
11	3	9	12	4	9	1078.7253	0
11	2	9	12	3	9	1078.7253	0
11	4	8	12	5	8	1078.7351	0
11	3	8	12	4	8	1078.7351	0
11	5	7	12	6	7	1078.7435	−4
11	4	7	12	5	7	1078.7435	−4
11	11	1	12	12	1	1078.7513	0
11	6	6	12	7	6	1078.7513	−3
11	5	6	12	6	6	1078.7513	−4
11	11	0	12	12	0	1078.7513	−6
11	7	5	12	8	5	1078.7580	−4
11	6	5	12	7	5	1078.7580	−5
11	10	2	12	11	2	1078.7619	−3
11	8	4	12	9	4	1078.7640	−2
11	10	1	12	11	1	1078.7692	6
11	8	3	12	9	3	1078.7742	−9
9	6	4	10	7	4	1079.0921	−6
9	5	4	10	6	4	1079.0921	−9
9	7	2	10	8	2	1079.1075	−3
8	3	6	9	4	6	1079.2445	−1
8	2	6	9	3	6	1079.2445	−1
8	4	5	9	5	5	1079.2515	4
8	3	5	9	4	5	1079.2515	4
8	8	1	9	9	1	1079.2515	3
8	5	4	9	6	4	1079.2559	−7
8	4	4	9	5	4	1079.2559	−9
8	7	2	9	8	2	1079.2597	1
8	6	3	9	7	3	1079.2597	−8
8	5	3	9	6	3	1079.2622	−8
8	6	2	9	7	2	1079.2707	−2
7	3	5	8	4	5	1079.4151	1
7	2	5	8	3	5	1079.4151	1
7	4	4	8	5	4	1079.4199	−5
7	3	4	8	4	4	1079.4199	−6
7	5	3	8	6	3	1079.4241	−4
7	6	2	8	7	2	1079.4241	−4
7	6	1	8	7	1	1079.4329	0
7	5	2	8	6	2	1079.4329	−5
5	5	1	6	6	1	1079.7476	−5
5	3	3	6	4	3	1079.7503	−12
5	5	0	6	6	0	1079.7503	−13
5	4	2	6	5	2	1079.7524	−8
4	2	2	5	3	2	1079.9195	0
13	0	13	13	1	13	1080.6155	9
13	1	13	13	0	13	1080.6155	9
12	1	12	12	0	12	1080.6325	6
12	0	12	12	1	12	1080.6325	6
11	1	11	11	0	11	1080.6481	2
11	0	11	11	1	11	1080.6481	2
10	1	10	10	0	10	1080.6629	3
10	0	10	10	1	10	1080.6629	3
9	0	9	9	1	9	1080.6759	1
9	1	9	9	0	9	1080.6759	1
8	0	8	8	1	8	1080.6875	−2
8	1	8	8	0	8	1080.6875	−2
7	0	7	7	1	7	1080.6963	−19
7	1	7	7	0	7	1080.6963	−19
6	0	6	6	1	6	1080.7069	−3
6	1	6	6	0	6	1080.7069	−3
5	0	5	5	1	5	1080.7145	−5
5	1	5	5	0	5	1080.7145	−5
4	0	4	4	1	4	1080.7203	−10
4	1	4	4	0	4	1080.7203	−10
2	0	2	2	1	2	1080.7289	−8
2	1	2	2	0	2	1080.7289	−11
3	3	0	2	2	0	1081.2175	−10
4	4	0	3	3	0	1081.3807	2
5	2	3	4	1	3	1081.5339	−6
5	3	3	4	2	3	1081.5339	−8
5	4	1	4	3	1	1081.5339	−11
6	2	4	5	1	4	1081.6912	−1
6	3	4	5	2	4	1081.6912	−1
6	3	3	5	2	3	1081.6950	1
6	4	2	5	3	2	1081.6950	−1
6	4	3	5	3	3	1081.6950	−2
6	5	1	5	4	1	1081.6950	−2
6	5	2	5	4	2	1081.6991	−1
6	6	1	5	5	1	1081.7075	−1
7	1	6	6	0	6	1081.8409	3
7	2	6	6	1	6	1081.8409	3
7	2	5	6	1	5	1081.8468	1
7	3	5	6	2	5	1081.8468	1
7	3	4	6	2	4	1081.8517	0
7	4	4	6	3	4	1081.8517	0
7	4	3	6	3	3	1081.8552	3
7	5	3	6	4	3	1081.8552	−3
7	6	1	6	5	1	1081.8552	−3
7	6	2	6	5	2	1081.8599	−3
7	7	0	6	6	0	1081.8666	−9
8	1	7	7	0	7	1081.9937	3
8	2	7	7	1	7	1081.9937	3
8	2	6	7	1	6	1082.0009	2
8	3	6	7	2	6	1082.0009	2
8	3	5	7	2	5	1082.0068	0
8	4	5	7	3	5	1082.0068	0
8	4	4	7	3	4	1082.0117	1
8	5	4	7	4	4	1082.0117	0
8	6	2	7	5	2	1082.0117	−12
8	5	3	7	4	3	1082.0157	13
8	6	3	7	5	3	1082.0157	1
8	7	1	7	6	1	1082.0157	−2
8	7	2	7	6	2	1082.0210	0
8	8	0	7	7	0	1082.0296	−2
9	1	8	8	0	8	1082.1455	7
9	2	8	8	1	8	1082.1455	7
9	2	7	8	1	7	1082.1539	6
9	3	7	8	2	7	1082.1539	6
9	3	6	8	2	6	1082.1594	−12
9	4	6	8	3	6	1082.1594	−12
9	4	5	8	3	5	1082.1671	5
9	5	5	8	4	5	1082.1671	5

o-c (observed minus calculated) is in 10^{-4} cm^{-1}

Continued (2) Appendix III: Transitions of ν_1 of $C^{35}Cl_2{}^{37}ClF$ (in cm^{-1}).

J'	K'_a	K'_c	J	K_a	K_c	$\tilde{\nu}_0^{\rm exp}/cm^{-1}$	o-c
9	5	4	8	4	4	1082.1716	3
9	6	4	8	5	4	1082.1716	2
9	7	2	8	6	2	1082.1716	1
9	7	3	8	6	3	1082.1763	8
9	8	1	8	7	1	1082.1763	−2
9	8	2	8	7	2	1082.1807	−11
9	9	0	8	8	0	1082.1923	2
9	9	1	8	8	1	1082.1923	−11
10	1	9	9	0	9	1082.2955	7
10	2	9	9	1	9	1082.2955	7
10	2	8	9	1	8	1082.3051	6
10	3	8	9	2	8	1082.3051	6
10	3	7	9	2	7	1082.3132	3
10	4	7	9	3	7	1082.3132	3
10	4	6	9	3	6	1082.3203	2
10	5	6	9	4	6	1082.3203	2
10	5	5	9	4	5	1082.3264	2
10	6	5	9	5	5	1082.3264	2
10	8	2	9	7	2	1082.3307	6
10	6	4	9	5	4	1082.3307	1
10	7	4	9	6	4	1082.3307	−2
10	7	3	9	6	3	1082.3307	−11
10	9	1	9	8	1	1082.3372	−1
10	9	2	9	8	2	1082.3423	−1
10	10	0	9	9	0	1082.3545	4
10	10	1	9	9	1	1082.3545	−5
11	1	10	10	0	10	1082.4437	2
11	2	10	10	1	10	1082.4437	2
11	2	9	10	1	9	1082.4544	2
11	3	9	10	2	9	1082.4544	2
11	3	8	10	2	8	1082.4638	−1
11	4	8	10	3	8	1082.4638	−1
11	4	7	10	3	7	1082.4723	0
11	5	7	10	4	7	1082.4723	0
11	5	6	10	4	6	1082.4795	0
11	6	6	10	5	6	1082.4795	0
11	6	5	10	5	5	1082.4852	−2
11	7	5	10	6	5	1082.4852	−2
11	9	2	10	8	2	1082.4896	9
11	7	4	10	6	4	1082.4896	1
11	8	3	10	7	3	1082.4896	−1
11	8	4	10	7	4	1082.4896	−5
11	9	3	10	8	3	1082.4947	0
11	10	1	10	9	1	1082.4982	−1
11	10	2	10	9	2	1082.5029	0
11	11	0	10	10	0	1082.5161	3
11	11	1	10	10	1	1082.5161	−3
12	2	10	11	1	10	1082.6026	−1
12	3	10	11	2	10	1082.6026	−1
12	3	9	11	2	9	1082.6134	0
12	4	9	11	3	9	1082.6134	0
12	4	8	11	3	8	1082.6233	3
12	5	8	11	4	8	1082.6233	3
12	5	7	11	4	7	1082.6315	1
12	6	7	11	5	7	1082.6315	1
12	6	6	11	5	6	1082.6386	1
12	7	6	11	6	6	1082.6386	1
12	7	5	11	6	5	1082.6445	2
12	8	5	11	7	5	1082.6445	1
12	9	3	11	8	3	1082.6475	4
12	10	2	11	9	2	1082.6475	0
12	8	4	11	7	4	1082.6475	−5
12	10	3	11	9	3	1082.6539	−2
12	11	1	11	10	1	1082.6593	0
12	11	2	11	10	2	1082.6632	−2
12	12	0	11	11	0	1082.6768	−4
12	12	1	11	11	1	1082.6768	−8
13	4	9	12	3	9	1082.7721	−3
13	5	9	12	4	9	1082.7721	−3
13	5	8	12	4	8	1082.7815	−4
13	6	8	12	5	8	1082.7815	−4
13	6	7	12	5	7	1082.7899	−3
13	7	7	12	6	7	1082.7899	−3
13	7	6	12	6	6	1082.7967	−6
13	8	6	12	7	6	1082.7967	−6
13	8	5	12	7	5	1082.8023	−6
13	9	5	12	8	5	1082.8023	−7
13	9	4	12	8	4	1082.8055	−5
13	11	2	12	10	2	1082.8055	−9
13	11	3	12	10	3	1082.8127	−7
13	12	1	12	11	1	1082.8205	0
13	12	2	12	11	2	1082.8233	−4
13	13	0	12	12	0	1082.8379	−4
13	13	1	12	12	1	1082.8379	−7
14	5	9	13	4	9	1082.9309	−1
14	6	9	13	5	9	1082.9309	−1
14	6	8	13	5	8	1082.9405	0
14	7	8	13	6	8	1082.9405	0
14	7	7	13	6	7	1082.9485	−3
14	8	7	13	7	7	1082.9485	−3
14	8	6	13	7	6	1082.9557	−1
14	9	6	13	8	6	1082.9557	−1
14	9	5	13	8	5	1082.9609	−3
14	11	3	13	10	3	1082.9609	−4
14	10	5	13	9	5	1082.9609	−5
14	12	2	13	11	2	1082.9655	0
14	11	4	13	10	4	1082.9655	−6
14	12	3	13	11	3	1082.9717	−9
14	13	1	13	12	1	1082.9817	3
14	13	2	13	12	2	1082.9849	9
14	14	0	13	13	0	1082.9991	−1
14	14	1	13	13	1	1082.9991	−2
15	4	11	14	3	11	1083.0667	−2
15	5	11	14	4	11	1083.0667	−2
15	6	9	14	5	9	1083.0893	−1
15	7	9	14	6	9	1083.0893	−1
15	7	8	14	6	8	1083.0983	−6
15	8	8	14	7	8	1083.0983	−6
16	4	12	15	3	12	1083.2115	−5
16	5	12	15	4	12	1083.2115	−5
16	5	11	15	4	11	1083.2257	7
16	6	11	15	5	11	1083.2257	7
16	6	10	15	5	10	1083.2365	−4
16	7	10	15	6	10	1083.2365	−4
16	7	9	15	6	9	1083.2481	6
16	8	9	15	7	9	1083.2481	6
16	8	8	15	7	8	1083.2577	8
16	9	8	15	8	8	1083.2577	8
16	9	7	15	8	7	1083.2659	8
16	10	7	15	9	7	1083.2659	8

o-c (observed minus calculated) is in 10^{-4} cm^{-1}

Continued (3) Appendix III: Transitions of ν_1 of $C^{35}Cl_2{}^{37}ClF$ (in cm^{-1}).

J'	K'_a	K'_c	J	K_a	K_c	$\tilde{\nu}_0^{\rm exp}/cm^{-1}$	o-c
16	10	6	15	9	6	1083.2723	5
16	11	6	15	10	6	1083.2723	5
16	11	5	15	10	5	1083.2775	9
16	12	4	15	11	4	1083.2775	5
16	12	5	15	11	5	1083.2775	2
16	14	2	15	13	2	1083.2851	6
16	14	3	15	13	3	1083.2915	8
16	15	1	15	14	1	1083.3037	10
16	15	2	15	14	2	1083.3037	−3
16	16	0	15	15	0	1083.3209	7
16	16	1	15	15	1	1083.3209	7
17	5	13	16	4	13	1083.3557	−1
17	4	13	16	3	13	1083.3557	−1
17	6	12	16	5	12	1083.3695	−5
17	5	12	16	4	12	1083.3695	−5
17	6	11	16	5	11	1083.3823	−7
17	7	11	16	6	11	1083.3823	−7
17	7	10	16	6	10	1083.3945	−3
17	8	10	16	7	10	1083.3945	−3
17	8	9	16	7	9	1083.4047	−7
17	9	9	16	8	9	1083.4047	−7
17	9	8	16	8	8	1083.4141	−7
17	10	8	16	9	8	1083.4141	−7
17	10	7	16	9	7	1083.4221	−7
17	11	7	16	10	7	1083.4221	−7
17	11	6	16	10	6	1083.4287	−7
17	12	6	16	11	6	1083.4287	−8
17	14	3	16	13	3	1083.4319	−7
17	13	4	16	12	4	1083.4319	−11
17	15	2	16	14	2	1083.4431	−11
17	15	3	16	14	3	1083.4485	−12
17	16	1	16	15	1	1083.4623	−5
17	17	0	16	16	0	1083.4793	−10
17	17	1	16	16	1	1083.4793	−10
18	9	9	17	8	9	1083.5631	1
18	10	9	17	9	9	1083.5631	1
18	10	8	17	9	8	1083.5720	−4
18	11	8	17	10	8	1083.5720	−4
18	11	7	17	10	7	1083.5806	3
18	12	7	17	11	7	1083.5806	3
18	12	6	17	11	6	1083.5869	2
18	13	6	17	12	6	1083.5869	1
18	14	4	17	13	4	1083.5900	12
18	15	4	17	14	4	1083.5985	2
18	16	2	17	15	2	1083.6037	−2
18	17	1	17	16	1	1083.6229	2
18	17	2	17	16	2	1083.6229	−4
18	18	0	17	17	0	1083.6395	−6
18	18	1	17	17	1	1083.6395	−6
19	7	13	18	6	13	1083.6707	−3
19	6	13	18	5	13	1083.6707	−3
19	8	12	18	7	12	1083.6847	−4
19	7	12	18	6	12	1083.6847	−4
19	8	11	18	7	11	1083.6977	−4
19	9	11	18	8	11	1083.6977	−4
19	9	10	18	8	10	1083.7087	−11
19	10	10	18	9	10	1083.7087	−11
19	10	9	18	9	9	1083.7197	−6
19	11	9	18	10	9	1083.7197	−6
19	11	8	18	10	8	1083.7295	0
19	12	8	18	11	8	1083.7295	−1
19	12	7	18	11	7	1083.7373	−1
19	13	7	18	12	7	1083.7373	−1
19	13	6	18	12	6	1083.7437	1
19	14	6	18	13	6	1083.7437	−1
19	15	4	18	14	4	1083.7437	−6
19	16	3	18	15	3	1083.7483	6
19	15	5	18	14	5	1083.7483	−9
19	16	4	18	15	4	1083.7559	−1
19	17	2	18	16	2	1083.7635	−2
19	17	3	18	16	3	1083.7671	−2
19	18	1	18	17	1	1083.7823	0
19	18	2	18	17	2	1083.7823	−4
19	19	0	18	18	0	1083.7999	2
19	19	1	18	18	1	1083.7999	2
20	6	14	19	5	14	1083.8119	−10
20	7	14	19	6	14	1083.8119	−10
20	8	13	19	7	13	1083.8277	−5
20	7	13	19	6	13	1083.8277	−5
20	8	12	19	7	12	1083.8431	8
20	9	12	19	8	12	1083.8431	8
20	9	11	19	8	11	1083.8563	11
20	10	11	19	9	11	1083.8563	11
20	10	10	19	9	10	1083.8665	−4
20	11	10	19	10	10	1083.8665	−4
20	11	9	19	10	9	1083.8782	8
20	12	9	19	11	9	1083.8782	8
20	12	8	19	11	8	1083.8863	−3
20	13	8	19	12	8	1083.8863	−3
20	13	7	19	12	7	1083.8933	−10
20	14	7	19	13	7	1083.8933	−10
20	16	4	19	15	4	1083.8989	−9
20	17	3	19	16	3	1083.9047	−9
20	17	4	19	16	4	1083.9129	−8
20	18	2	19	17	2	1083.9225	−7
20	19	1	19	18	1	1083.9421	5
20	19	2	19	18	2	1083.9421	3
20	20	0	19	19	0	1083.9603	13
20	20	1	19	19	1	1083.9603	12
21	9	13	20	8	13	1083.9857	6
21	8	13	20	7	13	1083.9857	6
21	10	11	20	9	11	1084.0109	−12
21	11	11	20	10	11	1084.0109	−12
21	11	10	20	10	10	1084.0223	−15
21	12	10	20	11	10	1084.0223	−15
21	12	9	20	11	9	1084.0341	−1
21	13	9	20	12	9	1084.0341	−1
21	14	7	20	13	7	1084.0497	−11
21	15	7	20	14	7	1084.0497	−12
21	17	4	20	16	4	1084.0555	1

o-c (observed minus calculated) is in 10^{-4} cm^{-1}