

Table 9 (complete):Experimental measurements of line parameters obtained around 3.4 μm .

*	Vibrational assignment					Position			Diff	S_{obs}	S_{calc}	%
	Upper state				Lower state							
241	v1-0	41	3	A	42	3	A	2930.3387	-0.030	0.308E-01	0.317E-01	-2.9
241	v1-0	40	-5	E	41	-5	E	2930.3533	0.100	0.131E-01	0.126E-01	3.9
241	v1-0	41	-2	E	42	-2	E	2930.5832	-0.150	0.160E-01	0.178E-01	-11.3
241	v1-0	39	6	A	40	6	A	2930.6168	-0.170	0.219E-01	0.223E-01	-1.8
241	v1-0	40	4	E	41	4	E	2930.8306	-0.570	0.152E-01	0.157E-01	-2.7
242	v1-0	39	6	A	40	6	A	2931.1457	1.900	0.207E-01	0.206E-01	0.4
241	v1-0	40	3	A	41	3	A	2931.2065	-0.220	0.353E-01	0.371E-01	-5.2
241	v1-0	39	-5	E	40	-5	E	2931.2196	0.240	0.138E-01	0.146E-01	-5.7
242	v1-0	40	4	E	41	4	E	2931.3629	-0.770	0.151E-01	0.149E-01	1.9
241	v1-0	40	-2	E	41	-2	E	2931.4529	-0.250	0.187E-01	0.209E-01	-11.3
241	v1-0	39	4	E	40	4	E	2931.6980	0.020	0.172E-01	0.182E-01	-5.9
241	v1-0	39	3	A	40	3	A	2932.0748	-0.170	0.433E-01	0.432E-01	0.3
241	v1-0	38	-5	E	39	-5	E	2932.0871	-0.210	0.163E-01	0.169E-01	-3.7
242	v1-0	39	4	E	40	4	E	2932.2170	0.100	0.159E-01	0.173E-01	-8.9
241	v1-0	39	-2	E	40	-2	E	2932.3236	0.010	0.304E-01	0.243E-01	20.1
241	v1-0	37	6	A	38	6	A	2932.3536	-0.220	0.303E-01	0.298E-01	1.7
241	v1-0	38	4	E	39	4	E	2932.5665	-0.230	0.258E-01	0.211E-01	18.2
241	v1-0	38	3	A	39	3	A	2932.9437	-0.010	0.462E-01	0.501E-01	-8.4
241	v1-0	37	-5	E	38	-5	E	2932.9551	0.170	0.196E-01	0.195E-01	0.4
242	v1-0	38	4	E	39	4	E	2933.0720	0.740	0.238E-01	0.201E-01	15.9
241	v1-0	38	-2	E	39	-2	E	2933.1944	-0.110	0.289E-01	0.281E-01	2.5
241	v1-0	36	6	A	37	6	A	2933.2225	-0.050	0.330E-01	0.341E-01	-3.5
241	v1-0	37	4	E	38	4	E	2933.4360	-0.160	0.249E-01	0.243E-01	2.4
241	v1-0	33	9	A	34	9	A	2933.5933	0.030	0.174E-01	0.196E-01	-12.3
241	v1-0	37	3	A	38	3	A	2933.8135	0.010	0.553E-01	0.577E-01	-4.3
241	v1-0	36	-5	E	37	-5	E	2933.8241	0.080	0.221E-01	0.224E-01	-1.3
242	v1-0	35	7	E	36	7	E	2933.8573	1.160	0.132E-01	0.129E-01	2.0
242	v1-0	37	4	E	38	4	E	2933.9277	0.900	0.265E-01	0.231E-01	12.5
241	v1-0	37	-2	E	38	-2	E	2934.0661	-0.080	0.309E-01	0.325E-01	-4.9
241	v1-0	35	6	A	36	6	A	2934.0917	0.500	0.381E-01	0.390E-01	-2.2
241	v1-0	36	4	E	37	4	E	2934.3053	1.200	0.379E-01	0.279E-01	26.3

241	v1-0	32	9	A	33	9	A	2934.4516	-0.080	0.206E-01	0.221E-01	-7.2
241	v1-0	36	3	A	37	3	A	2934.6836	0.540	0.639E-01	0.662E-01	-3.6
241	v1-0	35	-5	E	36	-5	E	2934.6935	0.580	0.258E-01	0.255E-01	1.0
242	v1-0	34	7	E	35	7	E	2934.7144	-0.380	0.159E-01	0.147E-01	7.6
242	v1-0	36	4	E	37	4	E	2934.7843	0.610	0.257E-01	0.266E-01	-3.3
241	v1-0	36	-2	E	37	-2	E	2934.9382	0.210	0.371E-01	0.372E-01	-0.3
241	v1-0	34	6	A	35	6	A	2934.9627	0.010	0.430E-01	0.442E-01	-2.8
241	v1-0	30	10	E	31	10	E	2934.9909	0.160	0.718E-02	0.719E-02	-0.2
241	v1-0	35	4	E	36	4	E	2935.1762	0.440	0.318E-01	0.319E-01	-0.2
241	v1-0	31	9	A	32	9	A	2935.3106	-0.390	0.231E-01	0.247E-01	-7.2
241	v1-0	35	3	A	36	3	A	2935.5551	0.440	0.743E-01	0.756E-01	-1.7
241	v1-0	34	-5	E	35	-5	E	2935.5619	3.260	0.306E-01	0.290E-01	5.2
242	v1-0	35	4	E	36	4	E	2935.6416	1.360	0.339E-01	0.303E-01	10.5
242	v1-0	36	0	A1	37	0	A2	2935.6666	1.590	0.414E-01	0.398E-01	3.9
241	v1-0	35	-2	E	36	-2	E	2935.8111	0.310	0.421E-01	0.425E-01	-0.9
241	v1-0	33	6	A	34	6	A	2935.8339	-0.090	0.478E-01	0.499E-01	-4.4
241	v1-0	29	10	E	30	10	E	2935.8621	0.030	0.743E-02	0.794E-02	-6.9
242	v1-0	35	3	A	36	3	A	2936.0201	1.300	0.877E-01	0.724E-01	17.4
241	v1-0	34	4	E	35	4	E	2936.0483	-0.230	0.355E-01	0.362E-01	-1.9
241	v1-0	30	9	A	31	9	A	2936.1700	-0.270	0.248E-01	0.276E-01	-11.0
242	v1-0	35	0	A2	36	0	A1	2936.5236	1.210	0.476E-01	0.454E-01	4.6
241	v1-0	34	-2	E	35	-2	E	2936.6855	-0.320	0.504E-01	0.483E-01	4.3
241	v1-0	32	6	A	33	6	A	2936.7058	-0.090	0.560E-01	0.561E-01	-0.2
241	v1-0	28	10	E	29	10	E	2936.7340	-0.040	0.103E-01	0.870E-02	15.6
241	v1-0	29	9	A	30	9	A	2937.0300	0.010	0.270E-01	0.305E-01	-12.9
242	v1-0	31	7	E	32	7	E	2937.2864	-0.040	0.236E-01	0.209E-01	11.5
241	v1-0	33	3	A	34	3	A	2937.3007	-0.510	0.922E-01	0.969E-01	-5.1
242	v1-0	33	4	E	34	4	E	2937.3598	0.110	0.402E-01	0.389E-01	3.1
242	v1-0	34	0	A1	35	0	A2	2937.3828	-0.270	0.542E-01	0.516E-01	4.9
241	v1-0	33	-2	E	34	-2	E	2937.5596	-0.050	0.534E-01	0.545E-01	-2.2
241	v1-0	31	6	A	32	6	A	2937.5784	-0.050	0.676E-01	0.626E-01	7.4
241	v1-0	27	10	E	28	10	E	2937.6064	-0.470	0.988E-02	0.948E-02	4.0
242	v1-0	32	-5	E	33	-5	E	2937.7306	1.860	0.383E-01	0.348E-01	9.2
242	v1-0	33	3	A	34	3	A	2937.7396	0.930	0.104E+00	0.930E-01	11.0
241	v1-0	32	4	E	33	4	E	2937.7937	-0.020	0.509E-01	0.459E-01	9.7
241	v1-0	28	9	A	29	9	A	2937.8906	0.040	0.294E-01	0.335E-01	-14.0

242	v1-0	30	7	E	31	7	E	2938.1453	-0.710	0.246E-01	0.233E-01	5.4
242	v1-0	32	4	E	33	4	E	2938.2193	0.710	0.514E-01	0.438E-01	14.8
242	v1-0	33	0	A2	34	0	A1	2938.2414	-0.480	0.741E-01	0.583E-01	21.3
241	v1-0	32	-2	E	33	-2	E	2938.4347	-0.140	0.627E-01	0.613E-01	2.2
241	v1-0	30	6	A	31	6	A	2938.4512	0.370	0.743E-01	0.695E-01	6.4
241	v1-0	26	10	E	27	10	E	2938.4797	-0.220	0.106E-01	0.102E-01	3.7
242	v1-0	31	-5	E	32	-5	E	2938.5902	1.000	0.394E-01	0.389E-01	1.3
242	v1-0	32	3	A	33	3	A	2938.5996	0.270	0.105E+00	0.104E+00	0.6
241	v1-0	31	4	E	32	4	E	2938.6677	-0.270	0.588E-01	0.513E-01	12.8
241	v1-0	27	9	A	28	9	A	2938.7521	-0.080	0.323E-01	0.366E-01	-13.2
242	v1-0	30	9	A	31	6	A	2938.8557	-0.490	0.672E-01	0.651E-01	3.2
242	v1-0	32	-2	E	33	-2	E	2938.8620	-0.640	0.677E-01	0.592E-01	12.6
242	v1-0	31	4	E	32	4	E	2939.0795	1.290	0.462E-01	0.489E-01	-6.0
241	v1-0	31	-2	E	32	-2	E	2939.3100	-0.040	0.707E-01	0.686E-01	3.0
241	v1-0	29	6	A	30	6	A	2939.3228	2.470	0.800E-01	0.768E-01	4.0
241	v1-0	25	10	E	26	10	E	2939.3529	-0.340	0.110E-01	0.110E-01	0.1
242	v1-0	31	3	A	32	3	A	2939.4603	0.280	0.112E+00	0.117E+00	-4.2
241	v1-0	30	4	E	31	4	E	2939.5453	-4.000	0.605E-01	0.570E-01	5.8
241	v1-0	26	9	A	27	9	A	2939.6136	0.660	0.320E-01	0.397E-01	-23.9
242	v1-0	29	6	A	30	6	A	2939.7162	0.120	0.828E-01	0.719E-01	13.1
242	v1-0	31	-2	E	32	-2	E	2939.7239	-0.080	0.701E-01	0.662E-01	5.6
242	v1-0	28	7	E	29	7	E	2939.8652	-0.570	0.337E-01	0.283E-01	15.9
241	v1-0	30	-2	E	31	-2	E	2940.1863	-0.090	0.786E-01	0.763E-01	3.0
241	v1-0	28	6	A	29	6	A	2940.1982	1.680	0.851E-01	0.843E-01	0.8
241	v1-0	24	10	E	25	10	E	2940.2270	-0.020	0.122E-01	0.117E-01	4.1
242	v1-0	29	-5	E	30	-5	E	2940.3114	1.090	0.461E-01	0.479E-01	-3.9
242	v1-0	30	3	A	31	3	A	2940.3217	0.240	0.127E+00	0.130E+00	-2.0
241	v1-0	25	9	A	26	9	A	2940.4775	-0.090	0.362E-01	0.427E-01	-18.0
242	v1-0	30	-2	E	31	-2	E	2940.5863	-0.010	0.731E-01	0.736E-01	-0.8
241	v1-0	29	-2	E	30	-2	E	2941.0627	-0.100	0.894E-01	0.844E-01	5.6
241	v1-0	27	6	A	28	6	A	2941.0747	0.410	0.894E-01	0.921E-01	-3.0
241	v1-0	23	10	E	24	10	E	2941.1016	-0.170	0.110E-01	0.123E-01	-12.3
242	v1-0	28	-5	E	29	-5	E	2941.1730	0.590	0.536E-01	0.526E-01	1.7
242	v1-0	29	3	A	30	3	A	2941.1836	0.170	0.152E+00	0.144E+00	5.7
241	v1-0	24	9	A	25	9	A	2941.3414	0.030	0.402E-01	0.456E-01	-13.4
242	v1-0	27	6	A	28	6	A	2941.4397	0.090	0.931E-01	0.863E-01	7.3

242	v1-0	29	-2	E	30	-2	E	2941.4493	0.190	0.808E-01	0.815E-01	-0.8
242	v1-0	26	7	E	27	7	E	2941.5878	-0.070	0.405E-01	0.336E-01	17.0
241	v1-0	28	-2	E	29	-2	E	2941.9398	0.000	0.905E-01	0.928E-01	-2.6
241	v1-0	26	6	A	27	6	A	2941.9506	0.350	0.980E-01	0.999E-01	-1.9
241	v1-0	22	10	E	23	10	E	2941.9768	-0.080	0.120E-01	0.129E-01	-7.8
242	v1-0	27	-5	E	28	-5	E	2942.0353	0.600	0.661E-01	0.576E-01	12.9
242	v1-0	28	3	A	29	3	A	2942.0462	0.110	0.162E+00	0.158E+00	2.5
241	v1-0	23	9	A	24	9	A	2942.2065	-0.220	0.457E-01	0.482E-01	-5.5
242	v1-0	26	9	A	27	6	A	2942.3027	-0.010	0.106E+00	0.936E-01	11.3
242	v1-0	28	-2	E	29	-2	E	2942.3129	0.330	0.922E-01	0.897E-01	2.8
242	v1-0	25	7	E	26	7	E	2942.4501	-0.760	0.390E-01	0.363E-01	6.9
242	v1-0	27	4	E	28	4	E	2942.5267	-0.480	0.744E-01	0.725E-01	2.6
241	v1-0	27	-2	E	28	-2	E	2942.8180	-0.630	0.980E-01	0.102E+00	-3.7
241	v1-0	25	6	A	26	6	A	2942.8273	0.130	0.105E+00	0.108E+00	-2.3
241	v1-0	21	10	E	22	10	E	2942.8526	0.320	0.136E-01	0.134E-01	1.7
242	v1-0	26	-5	E	27	-5	E	2942.8981	0.740	0.654E-01	0.626E-01	4.4
242	v1-0	27	3	A	28	3	A	2942.9093	0.160	0.167E+00	0.173E+00	-3.9
241	v1-0	22	9	A	23	9	A	2943.0729	-0.350	0.472E-01	0.506E-01	-7.4
242	v1-0	25	6	A	26	6	A	2943.1665	-0.070	0.105E+00	0.101E+00	4.2
242	v1-0	27	-2	E	28	-2	E	2943.1769	0.250	0.978E-01	0.982E-01	-0.4
242	v1-0	24	7	E	25	7	E	2943.3130	-0.550	0.408E-01	0.389E-01	4.8
242	v1-0	26	4	E	27	4	E	2943.3900	-0.210	0.859E-01	0.788E-01	8.3
242	v1-0	27	0	A2	28	0	A1	2943.4079	-0.450	0.114E+00	0.109E+00	4.9
241	v1-0	26	-2	E	27	-2	E	2943.6965	-1.010	0.108E+00	0.111E+00	-2.5
241	v1-0	24	6	A	25	6	A	2943.7044	0.100	0.114E+00	0.115E+00	-1.0
241	v1-0	20	10	E	21	10	E	2943.7283	0.340	0.147E-01	0.137E-01	6.6
242	v1-0	25	-5	E	26	-5	E	2943.7616	0.490	0.741E-01	0.676E-01	8.7
242	v1-0	26	3	A	27	3	A	2943.7730	0.200	0.192E+00	0.188E+00	1.7
241	v1-0	21	9	A	22	9	A	2943.9400	-0.280	0.529E-01	0.526E-01	0.5
242	v1-0	24	6	A	25	6	A	2944.0316	-0.180	0.120E+00	0.108E+00	10.0
242	v1-0	26	-2	E	27	-2	E	2944.0415	0.350	0.105E+00	0.107E+00	-1.8
242	v1-0	23	7	E	24	7	E	2944.1765	-1.450	0.551E-01	0.414E-01	24.8
242	v1-0	26	0	A1	27	0	A2	2944.2713	-0.420	0.119E+00	0.118E+00	0.2
241	v1-0	25	-2	E	26	-2	E	2944.5747	-0.620	0.120E+00	0.120E+00	0.1
241	v1-0	23	6	A	24	6	A	2944.5817	0.450	0.127E+00	0.123E+00	3.5
241	v1-0	19	10	E	20	10	E	2944.6065	-0.620	0.150E-01	0.139E-01	7.4

242	v1-0	24	-5	E	25	-5	E	2944.6256	0.250	0.866E-01	0.726E-01	16.1
242	v1-0	25	3	A	26	3	A	2944.6373	0.090	0.208E+00	0.204E+00	2.0
242	v1-0	23	6	A	24	6	A	2944.8984	-0.330	0.123E+00	0.114E+00	7.5
242	v1-0	25	-2	E	26	-2	E	2944.9066	0.240	0.119E+00	0.116E+00	2.6
242	v1-0	24	4	E	25	4	E	2945.1184	-0.220	0.907E-01	0.916E-01	-1.0
242	v1-0	25	0	A2	26	0	A1	2945.1352	-0.430	0.131E+00	0.128E+00	1.9
241	v1-0	24	-2	E	25	-2	E	2945.4543	6.110	0.128E+00	0.129E+00	-0.9
241	v1-0	22	6	A	23	6	A	2945.4599	0.510	0.130E+00	0.130E+00	-0.3
242	v1-0	23	-5	E	24	-5	E	2945.4902	0.250	0.832E-01	0.775E-01	6.8
242	v1-0	24	3	A	25	3	A	2945.5020	0.010	0.222E+00	0.219E+00	1.3
242	v1-0	21	7	E	22	7	E	2945.9052	-0.730	0.596E-01	0.460E-01	22.9
242	v1-0	23	4	E	24	4	E	2945.9833	-0.260	0.103E+00	0.978E-01	4.6
242	v1-0	24	0	A1	25	0	A2	2945.9998	-0.560	0.138E+00	0.138E+00	0.3
241	v1-0	23	-2	E	24	-2	E	2946.3342	-1.460	0.137E+00	0.138E+00	-0.3
241	v1-0	21	6	A	22	6	A	2946.3352	3.960	0.135E+00	0.137E+00	-1.1
242	v1-0	23	3	A	24	3	A	2946.3673	-0.200	0.253E+00	0.234E+00	7.3
241	v1-0	18	9	A	19	9	A	2946.5490	0.080	0.550E-01	0.556E-01	-1.0
242	v1-0	23	-2	E	24	-2	E	2946.6382	0.210	0.134E+00	0.133E+00	0.6
242	v1-0	20	7	E	21	7	E	2946.7704	0.220	0.619E-01	0.478E-01	22.7
242	v1-0	22	4	E	23	4	E	2946.8488	-0.240	0.104E+00	0.104E+00	-0.2
242	v1-0	23	0	A2	24	0	A1	2946.8648	-0.330	0.149E+00	0.148E+00	1.1
241	v1-0	22	-2	E	23	-2	E	2947.2139	-1.150	0.148E+00	0.146E+00	1.3
242	v1-0	22	-2	E	23	-2	E	2947.5046	0.390	0.145E+00	0.141E+00	2.3
242	v1-0	21	4	E	22	4	E	2947.7148	-0.020	0.131E+00	0.109E+00	16.2
242	v1-0	22	0	A1	23	0	A2	2947.7305	-0.300	0.158E+00	0.157E+00	0.6
241	v1-0	15	10	E	16	10	E	2948.1203	-2.710	0.125E-01	0.125E-01	-0.1
241	v1-0	16	9	A	17	9	A	2948.2951	0.050	0.506E-01	0.539E-01	-6.5
242	v1-0	19	6	A	20	6	A	2948.3387	0.260	0.142E+00	0.138E+00	2.5
242	v1-0	21	-2	E	22	-2	E	2948.3715	0.200	0.157E+00	0.149E+00	4.7
242	v1-0	20	4	E	21	4	E	2948.5813	-0.260	0.122E+00	0.115E+00	6.0
242	v1-0	21	0	A2	22	0	A1	2948.5966	-0.220	0.162E+00	0.166E+00	-2.3
242	v1-0	19	-5	E	20	-5	E	2948.9537	-0.160	0.978E-01	0.939E-01	3.9
242	v1-0	20	3	A	21	3	A	2948.9661	-0.040	0.286E+00	0.276E+00	3.8
241	v1-0	15	9	A	16	9	A	2949.1699	0.040	0.493E-01	0.517E-01	-4.8
242	v1-0	19	4	E	20	4	E	2949.4482	-0.300	0.119E+00	0.119E+00	-0.5
242	v1-0	20	0	A1	21	0	A2	2949.4633	-0.270	0.170E+00	0.174E+00	-2.6

242	v1-0	18	-5	E	19	-5	E	2949.8208	-0.460	0.968E-01	0.967E-01	0.1
242	v1-0	19	3	A	20	3	A	2949.8333	-0.140	0.289E+00	0.287E+00	0.6
242	v1-0	16	7	E	17	7	E	2950.2362	-0.860	0.574E-01	0.512E-01	10.7
242	v1-0	18	4	E	19	4	E	2950.3156	-0.280	0.124E+00	0.123E+00	0.8
242	v1-0	19	0	A2	20	0	A1	2950.3304	-0.160	0.180E+00	0.182E+00	-1.2
242	v1-0	17	-5	E	18	-5	E	2950.6883	-0.390	0.104E+00	0.988E-01	4.8
242	v1-0	18	3	A	19	3	A	2950.7009	-0.290	0.299E+00	0.297E+00	0.9
241	v1-0	13	9	A	14	9	A	2950.9238	0.140	0.435E-01	0.441E-01	-1.5
242	v1-0	16	6	A	17	6	A	2950.9479	-0.020	0.151E+00	0.147E+00	2.6
242	v1-0	18	-2	E	19	-2	E	2950.9746	-0.420	0.192E+00	0.169E+00	11.6
242	v1-0	15	7	E	16	7	E	2951.1038	0.040	0.654E-01	0.507E-01	22.6
242	v1-0	17	4	E	18	4	E	2951.1834	-0.360	0.133E+00	0.126E+00	5.1
242	v1-0	18	0	A1	19	0	A2	2951.1980	-0.140	0.187E+00	0.188E+00	-0.6
242	v1-0	17	3	A	18	3	A	2951.5689	-0.230	0.302E+00	0.305E+00	-0.9
241	v1-0	12	9	A	13	9	A	2951.8025	0.190	0.390E-01	0.384E-01	1.4
242	v1-0	16	-2	E	17	-2	E	2952.7119	0.050	0.200E+00	0.178E+00	11.4
242	v1-0	13	7	E	14	7	E	2952.8403	-0.260	0.590E-01	0.472E-01	20.0
242	v1-0	16	0	A1	17	0	A2	2952.9345	-0.130	0.194E+00	0.198E+00	-2.2
242	v1-0	12	7	E	13	7	E	2953.7091	0.070	0.547E-01	0.442E-01	19.1
242	v1-0	14	4	E	15	4	E	2953.7893	0.690	0.135E+00	0.128E+00	4.9
242	v1-0	12	6	A	13	6	A	2954.4245	-0.280	0.144E+00	0.134E+00	7.1
242	v1-0	11	7	E	12	7	E	2954.5783	-0.190	0.511E-01	0.402E-01	21.2
242	v1-0	13	3	A	14	3	A	2955.0449	-0.500	0.343E+00	0.310E+00	9.5
242	v1-0	11	6	A	12	6	A	2955.2943	-0.540	0.125E+00	0.124E+00	0.6
242	v1-0	12	4	E	13	4	E	2955.5284	-0.320	0.136E+00	0.123E+00	9.5
242	v1-0	12	3	A	13	3	A	2955.9148	-0.160	0.331E+00	0.304E+00	8.2
242	v1-0	10	6	A	11	6	A	2956.1645	-0.750	0.120E+00	0.113E+00	5.8
242	v1-0	12	-2	E	13	-2	E	2956.1905	0.110	0.196E+00	0.176E+00	10.0
242	v1-0	9	7	E	10	7	E	2956.3178	-0.070	0.272E-01	0.288E-01	-5.6
242	v1-0	11	4	E	12	4	E	2956.3985	-0.560	0.119E+00	0.118E+00	0.4
242	v1-0	10	-5	E	11	-5	E	2956.7720	-0.770	0.864E-01	0.825E-01	4.4
242	v1-0	11	3	A	12	3	A	2956.7850	-0.350	0.297E+00	0.294E+00	1.0
242	v1-0	11	-2	E	12	-2	E	2957.0610	-0.010	0.191E+00	0.172E+00	9.9
242	v1-0	10	4	E	11	4	E	2957.2689	-0.700	0.107E+00	0.112E+00	-4.6
242	v1-0	11	0	A2	12	0	A1	2957.2825	0.190	0.193E+00	0.194E+00	-0.7
242	v1-0	9	-5	E	10	-5	E	2957.6425	-0.740	0.726E-01	0.745E-01	-2.6

242	v1-0	10	3	A	11	3	A	2957.6555	-0.360	0.273E+00	0.281E+00	-2.7
242	v1-0	8	6	A	9	6	A	2957.9056	-0.940	0.748E-01	0.802E-01	-7.2
242	v1-0	10	-2	E	11	-2	E	2957.9317	-0.040	0.170E+00	0.165E+00	2.9
242	v1-0	9	4	E	10	4	E	2958.1396	-0.650	0.972E-01	0.103E+00	-6.1
242	v1-0	10	0	A1	11	0	A2	2958.1531	0.140	0.189E+00	0.187E+00	1.1
242	v1-0	7	6	A	8	6	A	2958.7765	-0.890	0.541E-01	0.585E-01	-8.0
242	v1-0	9	-2	E	10	-2	E	2958.8027	-0.100	0.151E+00	0.156E+00	-3.3
242	v1-0	8	4	E	9	4	E	2959.0105	-0.770	0.967E-01	0.927E-01	4.1
242	v1-0	9	0	A2	10	0	A1	2959.0241	0.120	0.179E+00	0.179E+00	-0.2
242	v1-0	7	-5	E	8	-5	E	2959.3844	-0.760	0.567E-01	0.527E-01	7.1
242	v1-0	8	3	A	9	3	A	2959.3975	-0.420	0.255E+00	0.242E+00	5.0
242	v1-0	6	-5	E	7	-5	E	2960.2557	-0.730	0.391E-01	0.385E-01	1.6
242	v1-0	7	3	A	8	3	A	2960.2689	-0.440	0.216E+00	0.217E+00	-0.4
241	v1-0	7	-2	E	8	-2	E	2960.4571	0.030	0.133E+00	0.136E+00	-2.4
242	v1-0	7	-2	E	8	-2	E	2960.5454	-0.050	0.133E+00	0.133E+00	0.0
241	v1-0	7	1	E	8	1	E	2960.6233	0.070	0.149E+00	0.153E+00	-2.6
242	v1-0	7	1	E	8	1	E	2960.7115	0.160	0.145E+00	0.150E+00	-3.3
242	v1-0	6	4	E	7	4	E	2960.7533	-1.230	0.849E-01	0.653E-01	23.1
242	v1-0	7	0	A2	8	0	A1	2960.7668	0.230	0.161E+00	0.156E+00	3.4
241	v1-0	6	-2	E	7	-2	E	2961.3424	0.070	0.121E+00	0.121E+00	0.2
242	v1-0	6	-2	E	7	-2	E	2961.4172	-0.170	0.117E+00	0.118E+00	-1.2
241	v1-0	6	1	E	7	1	E	2961.5087	0.060	0.135E+00	0.138E+00	-2.2
242	v1-0	6	1	E	7	1	E	2961.5832	0.210	0.130E+00	0.135E+00	-4.2
242	v1-0	6	0	A1	7	0	A2	2961.6386	0.180	0.138E+00	0.141E+00	-2.0
241	v1-0	5	3	A	6	3	A	2961.9513	-0.160	0.151E+00	0.155E+00	-2.4
242	v1-0	5	3	A	6	3	A	2962.0124	-0.440	0.149E+00	0.152E+00	-1.6
242	v1-0	5	1	E	6	1	E	2962.4552	-0.090	0.112E+00	0.119E+00	-5.6
241	v1-0	4	-2	E	5	-2	E	2963.1141	-0.100	0.818E-01	0.834E-01	-2.0
242	v1-0	4	-2	E	5	-2	E	2963.1613	-0.070	0.808E-01	0.817E-01	-1.1
241	v1-0	3	3	A	4	3	A	2963.7230	-0.140	0.617E-01	0.633E-01	-2.4
242	v1-0	3	3	A	4	3	A	2963.7568	-0.370	0.604E-01	0.620E-01	-2.5
241	v1-0	3	-2	E	4	-2	E	2964.0001	-0.080	0.591E-01	0.609E-01	-3.0
242	v1-0	3	-2	E	4	-2	E	2964.0337	0.000	0.538E-01	0.597E-01	-11.0
241	v1-0	3	1	E	4	1	E	2964.1662	0.210	0.782E-01	0.816E-01	-4.4
241	v1-0	2	-2	E	3	-2	E	2964.8870	-0.710	0.347E-01	0.344E-01	0.9
242	v1-0	2	-2	E	3	-2	E	2964.9063	-0.100	0.328E-01	0.338E-01	-3.1

241	v1-0	1	1	E	2	1	E	2965.9400	-0.750	0.334E-01	0.336E-01	-0.6	
242	v1-0	1	1	E	2	1	E	2965.9453	0.470	0.297E-01	0.331E-01	-11.3	
241	v1-0	1	0	A2	2	0	A1	2965.9949	-0.270	0.432E-01	0.459E-01	-6.2	
242	v1-0	1	0	A2	2	0	A1	2966.0008	0.080	0.478E-01	0.451E-01	5.6	
242	v1-0	1	0	A2	0	0	A1	2968.6202	0.000	0.230E-01	0.230E-01	0.1	
241	v1-0	2	1	E	1	1	E	2969.4871	-0.450	0.329E-01	0.339E-01	-3.2	
242	v1-0	2	0	A1	1	0	A2	2969.4936	0.560	0.455E-01	0.458E-01	-0.5	
242	v1-0	3	-2	E	2	-2	E	2970.1452	0.070	0.346E-01	0.345E-01	0.4	
241	v1-0	3	-2	E	2	-2	E	2970.2072	-0.060	0.338E-01	0.349E-01	-3.3	
242	v1-0	3	0	A2	2	0	A1	2970.3671	0.010	0.680E-01	0.681E-01	-0.3	
241	v1-0	3	1	E	2	1	E	2970.3735	0.200	0.616E-01	0.598E-01	2.9	
241	v1-0	3	0	A2	2	0	A1	2970.4293	0.030	0.693E-01	0.689E-01	0.5	
242	v1-0	4	3	A	3	3	A	2970.7414	-0.620	0.678E-01	0.637E-01	6.0	
242	v1-0	4	-2	E	3	-2	E	2971.0188	-0.280	0.646E-01	0.614E-01	5.0	
241	v1-0	4	-2	E	3	-2	E	2971.0944	-0.070	0.609E-01	0.620E-01	-1.8	
242	v1-0	4	1	E	3	1	E	2971.1852	0.330	0.791E-01	0.823E-01	-4.0	
242	v1-0	5	4	E	4	4	E	2971.2267	-0.750	0.256E-01	0.274E-01	-7.2	
242	v1-0	4	0	A1	3	0	A2	2971.2407	0.320	0.883E-01	0.898E-01	-1.7	
241	v1-0	4	1	E	3	1	E	2971.2608	0.220	0.822E-01	0.830E-01	-1.0	
242	v1-0	5	1	E	4	1	E	2972.0589	0.370	0.103E+00	0.112E+00	-8.5	
242	v1-0	6	4	E	5	4	E	2972.1003	-0.690	0.448E-01	0.498E-01	-11.3	
242	v1-0	5	0	A2	4	0	A1	2972.1144	0.260	0.105E+00	0.110E+00	-5.0	
241	v1-0	10	9	A	9	9	A	2972.1565	1.310	0.119E-01	0.109E-01	8.4	
242	v1-0	7	-5	E	6	-5	E	2972.4748	-0.870	0.357E-01	0.406E-01	-13.6	
242	v1-0	8	6	A	7	6	A	2972.7383	-0.790	0.600E-01	0.624E-01	-4.0	
242	v1-0	6	-2	E	5	-2	E	2972.7661	-0.300	0.127E+00	0.105E+00	17.4	
242	v1-0	6	1	E	5	1	E	2972.9327	0.450	0.146E+00	0.139E+00	4.7	
*	242	v1-0	10	-8	E	9	-8	E	2972.9343	-1.150			
242	v1-0	7	4	E	6	4	E	2972.9739	-0.540	0.683E-01	0.687E-01	-0.7	
242	v1-0	6	0	A1	5	0	A2	2972.9882	0.250	0.133E+00	0.130E+00	2.2	
241	v1-0	11	9	A	10	9	A	2973.0477	-0.690	0.242E-01	0.197E-01	18.7	
242	v1-0	8	-5	E	7	-5	E	2973.3484	-0.750	0.550E-01	0.561E-01	-2.0	
242	v1-0	7	3	A	6	3	A	2973.3624	-0.550	0.204E+00	0.196E+00	3.8	
242	v1-0	9	6	A	8	6	A	2973.6118	-0.930	0.925E-01	0.863E-01	6.6	
242	v1-0	7	1	E	6	1	E	2973.8065	0.260	0.171E+00	0.163E+00	4.5	
*	242	v1-0	11	-8	E	10	-8	E	2973.8081	-1.340			

242	v1-0	8	4	E	7	4	E	2973.8477	-0.720	0.836E-01	0.850E-01	-1.7
242	v1-0	7	0	A2	6	0	A1	2973.8621	0.130	0.151E+00	0.148E+00	2.3
241	v1-0	12	9	A	11	9	A	2973.9364	-0.400	0.326E-01	0.267E-01	18.1
242	v1-0	9	-5	E	8	-5	E	2974.2222	-0.720	0.762E-01	0.693E-01	9.1
242	v1-0	8	3	A	7	3	A	2974.2361	-0.370	0.220E+00	0.229E+00	-4.2
242	v1-0	10	6	A	9	6	A	2974.4854	-0.820	0.112E+00	0.107E+00	5.0
242	v1-0	8	-2	E	7	-2	E	2974.5137	-0.090	0.136E+00	0.140E+00	-3.1
241	v1-0	14	10	E	13	10	E	2974.6618	0.070	0.113E-01	0.105E-01	6.9
242	v1-0	9	4	E	8	4	E	2974.7214	-0.530	0.979E-01	0.990E-01	-1.2
242	v1-0	8	0	A1	7	0	A2	2974.7359	0.230	0.160E+00	0.164E+00	-2.6
241	v1-0	13	9	A	12	9	A	2974.8267	-0.220	0.328E-01	0.321E-01	2.0
242	v1-0	9	3	A	8	3	A	2975.1099	-0.390	0.253E+00	0.258E+00	-2.1
242	v1-0	11	6	A	10	6	A	2975.3589	-0.520	0.127E+00	0.123E+00	3.1
242	v1-0	9	-2	E	8	-2	E	2975.3875	-0.120	0.154E+00	0.155E+00	-0.9
242	v1-0	10	4	E	9	4	E	2975.5952	-0.710	0.108E+00	0.111E+00	-2.6
242	v1-0	9	0	A2	8	0	A1	2975.6099	0.180	0.163E+00	0.179E+00	-9.5
242	v1-0	11	-5	E	10	-5	E	2975.9697	-0.610	0.107E+00	0.898E-01	16.0
242	v1-0	10	3	A	9	3	A	2975.9838	-0.450	0.282E+00	0.283E+00	-0.3
242	v1-0	12	6	A	11	6	A	2976.2324	-0.080	0.143E+00	0.137E+00	3.7
242	v1-0	10	-2	E	9	-2	E	2976.2613	-0.090	0.163E+00	0.167E+00	-2.5
242	v1-0	11	4	E	10	4	E	2976.4690	-0.670	0.119E+00	0.121E+00	-2.0
242	v1-0	10	0	A1	9	0	A2	2976.4838	0.160	0.180E+00	0.191E+00	-6.5
242	v1-0	11	3	A	10	3	A	2976.8576	-0.370	0.299E+00	0.304E+00	-1.4
242	v1-0	11	-2	E	10	-2	E	2977.1350	-0.020	0.173E+00	0.178E+00	-2.8
241	v1-0	17	10	E	16	10	E	2977.3250	2.150	0.147E-01	0.140E-01	5.0
242	v1-0	12	4	E	11	4	E	2977.3428	-0.890	0.132E+00	0.129E+00	2.0
242	v1-0	11	0	A2	10	0	A1	2977.3577	0.120	0.205E+00	0.202E+00	1.4
242	v1-0	13	-5	E	12	-5	E	2977.7172	-0.550	0.106E+00	0.104E+00	2.5
242	v1-0	12	3	A	11	3	A	2977.7314	-0.360	0.320E+00	0.320E+00	-0.1
242	v1-0	12	-2	E	11	-2	E	2978.0088	-0.290	0.198E+00	0.186E+00	5.9
242	v1-0	12	0	A1	11	0	A2	2978.2317	0.070	0.205E+00	0.210E+00	-2.8
241	v1-0	17	9	A	16	9	A	2978.3964	0.050	0.446E-01	0.420E-01	5.9
242	v1-0	14	-5	E	13	-5	E	2978.5910	-0.560	0.108E+00	0.108E+00	-0.2
242	v1-0	13	3	A	12	3	A	2978.6052	-0.310	0.329E+00	0.333E+00	-1.4
242	v1-0	13	-2	E	12	-2	E	2978.8824	-0.030	0.201E+00	0.193E+00	4.2
242	v1-0	16	7	E	15	7	E	2979.0082	-0.730	0.663E-01	0.584E-01	11.9

242	v1-0	14	4	E	13	4	E	2979.0903	-0.560	0.139E+00	0.140E+00	-0.7
242	v1-0	15	-5	E	14	-5	E	2979.4647	-0.500	0.106E+00	0.111E+00	-5.3
242	v1-0	14	3	A	13	3	A	2979.4789	-0.240	0.333E+00	0.343E+00	-2.8
242	v1-0	16	6	A	15	6	A	2979.7254	-0.330	0.162E+00	0.168E+00	-3.2
242	v1-0	14	0	A1	13	0	A2	2979.9795	0.000	0.221E+00	0.221E+00	0.0
242	v1-0	16	-5	E	15	-5	E	2980.3384	-0.410	0.110E+00	0.113E+00	-3.1
242	v1-0	15	3	A	14	3	A	2980.3526	-0.210	0.339E+00	0.348E+00	-2.9
241	v1-0	21	10	E	20	10	E	2980.8805	-0.800	0.170E-01	0.147E-01	13.6
242	v1-0	16	-2	E	15	-2	E	2981.5030	0.230	0.212E+00	0.201E+00	5.4
242	v1-0	19	7	E	18	7	E	2981.6295	-0.180	0.665E-01	0.599E-01	10.0
242	v1-0	17	4	E	16	4	E	2981.7112	-0.280	0.142E+00	0.145E+00	-2.5
242	v1-0	16	0	A1	15	0	A2	2981.7272	0.100	0.221E+00	0.224E+00	-1.2
241	v1-0	22	10	E	21	10	E	2981.7686	-0.120	0.161E-01	0.143E-01	11.3
241	v1-0	21	9	A	20	9	A	2981.9786	-0.540	0.453E-01	0.391E-01	13.8
242	v1-0	18	-5	E	17	-5	E	2982.0856	-0.410	0.112E+00	0.114E+00	-1.3
242	v1-0	17	3	A	16	3	A	2982.0998	-0.100	0.350E+00	0.350E+00	-0.1
242	v1-0	17	-2	E	16	-2	E	2982.3763	0.180	0.211E+00	0.200E+00	5.4
242	v1-0	20	7	E	19	7	E	2982.5032	-0.410	0.580E-01	0.591E-01	-1.8
242	v1-0	17	0	A2	16	0	A1	2982.6010	-0.120	0.216E+00	0.222E+00	-3.1
241	v1-0	22	9	A	21	9	A	2982.8759	-0.120	0.435E-01	0.372E-01	14.4
242	v1-0	19	-5	E	18	-5	E	2982.9591	-0.260	0.111E+00	0.112E+00	-0.9
242	v1-0	18	3	A	17	3	A	2982.9733	-0.070	0.347E+00	0.346E+00	0.3
242	v1-0	18	-2	E	17	-2	E	2983.2494	-0.030	0.194E+00	0.197E+00	-1.8
242	v1-0	21	7	E	20	7	E	2983.3768	-0.120	0.549E-01	0.578E-01	-5.3
242	v1-0	19	4	E	18	4	E	2983.4581	-0.480	0.146E+00	0.142E+00	2.9
242	v1-0	18	0	A1	17	0	A2	2983.4747	0.070	0.217E+00	0.219E+00	-1.1
241	v1-0	24	10	E	23	10	E	2983.5447	-0.570	0.155E-01	0.133E-01	14.2
241	v1-0	23	9	A	22	9	A	2983.7734	0.000	0.392E-01	0.350E-01	10.6
242	v1-0	20	-5	E	19	-5	E	2983.8325	-0.050	0.108E+00	0.110E+00	-2.0
242	v1-0	19	3	A	18	3	A	2983.8467	-0.180	0.333E+00	0.340E+00	-2.0
242	v1-0	22	7	E	21	7	E	2984.2504	-0.540	0.551E-01	0.560E-01	-1.7
242	v1-0	20	4	E	19	4	E	2984.3314	-0.290	0.132E+00	0.138E+00	-5.0
242	v1-0	19	0	A2	18	0	A1	2984.3483	-0.150	0.210E+00	0.214E+00	-2.0
241	v1-0	25	10	E	24	10	E	2984.4326	0.360	0.134E-01	0.126E-01	5.9
241	v1-0	24	9	A	23	9	A	2984.6714	0.050	0.377E-01	0.327E-01	13.2
242	v1-0	22	6	A	21	6	A	2984.9872	-0.470	0.149E+00	0.147E+00	1.5

242	v1-0	20	-2	E	19	-2	E	2984.9953	0.370	0.186E+00	0.188E+00	-1.0
242	v1-0	20	0	A1	19	0	A2	2985.2219	-0.240	0.192E+00	0.208E+00	-8.7
241	v1-0	26	10	E	25	10	E	2985.3206	-0.510	0.151E-01	0.119E-01	21.5
242	v1-0	21	3	A	20	3	A	2985.5931	-0.230	0.320E+00	0.320E+00	0.0
242	v1-0	21	-2	E	20	-2	E	2985.8680	0.270	0.172E+00	0.182E+00	-5.6
242	v1-0	22	4	E	21	4	E	2986.0777	-0.180	0.129E+00	0.129E+00	-0.3
242	v1-0	21	0	A2	20	0	A1	2986.0953	-0.250	0.196E+00	0.201E+00	-2.6
242	v1-0	23	-5	E	22	-5	E	2986.4521	0.120	0.103E+00	0.984E-01	4.8
242	v1-0	24	6	A	23	6	A	2986.7241	-0.040	0.132E+00	0.140E+00	-6.5
242	v1-0	22	-2	E	21	-2	E	2986.7405	0.320	0.166E+00	0.174E+00	-5.3
242	v1-0	23	4	E	22	4	E	2986.9507	-0.310	0.114E+00	0.123E+00	-7.8
242	v1-0	24	-5	E	23	-5	E	2987.3251	0.270	0.952E-01	0.935E-01	1.7
242	v1-0	23	3	A	22	3	A	2987.3389	0.000	0.284E+00	0.294E+00	-3.3
241	v1-0	27	9	A	26	9	A	2987.3671	-0.160	0.359E-01	0.253E-01	29.6
242	v1-0	25	6	A	24	6	A	2987.5956	-0.040	0.129E+00	0.133E+00	-3.8
242	v1-0	24	4	E	23	4	E	2987.8235	-0.290	0.107E+00	0.117E+00	-9.9
242	v1-0	23	0	A2	22	0	A1	2987.8419	-0.340	0.174E+00	0.184E+00	-5.4
242	v1-0	25	-5	E	24	-5	E	2988.1979	0.570	0.932E-01	0.884E-01	5.2
242	v1-0	24	3	A	23	3	A	2988.2116	0.060	0.276E+00	0.278E+00	-1.0
241	v1-0	28	9	A	27	9	A	2988.2657	-0.160	0.295E-01	0.229E-01	22.4
242	v1-0	25	4	E	24	4	E	2988.6961	-0.280	0.103E+00	0.110E+00	-7.5
242	v1-0	24	0	A1	23	0	A2	2988.7150	-0.420	0.170E+00	0.174E+00	-2.4
241	v1-0	30	10	E	29	10	E	2988.8684	-0.120	0.130E-01	0.868E-02	33.0
242	v1-0	25	3	A	24	3	A	2989.0841	-0.040	0.264E+00	0.262E+00	0.4
241	v1-0	29	9	A	28	9	A	2989.1643	0.200	0.308E-01	0.206E-01	33.3
241	v1-0	30	9	A	29	9	A	2990.0628	-0.150	0.223E-01	0.184E-01	17.8
242	v1-0	28	9	A	27	6	A	2990.2120	0.020	0.974E-01	0.109E+00	-12.2
242	v1-0	26	-2	E	25	-2	E	2990.2283	0.320	0.137E+00	0.139E+00	-1.1
242	v1-0	29	7	E	28	7	E	2990.3630	-0.880	0.402E-01	0.369E-01	8.1
242	v1-0	27	4	E	26	4	E	2990.4409	-0.330	0.981E-01	0.965E-01	1.7
242	v1-0	26	0	A1	25	0	A2	2990.4607	-0.320	0.150E+00	0.153E+00	-2.0
242	v1-0	28	-5	E	27	-5	E	2990.8155	0.940	0.721E-01	0.718E-01	0.4
241	v1-0	31	9	A	30	9	A	2990.9609	-0.170	0.197E-01	0.163E-01	17.4
242	v1-0	29	6	A	28	6	A	2991.0842	-0.100	0.870E-01	0.101E+00	-16.0
242	v1-0	27	-2	E	26	-2	E	2991.0996	0.300	0.119E+00	0.129E+00	-8.8
242	v1-0	27	0	A2	26	0	A1	2991.3334	-0.520	0.146E+00	0.143E+00	2.3

241	v1-0	29	6	A	28	6	A	2991.4921	2.660	0.107E+00	0.974E-01	8.7
242	v1-0	29	-5	E	28	-5	E	2991.6877	0.900	0.672E-01	0.662E-01	1.5
242	v1-0	28	3	A	27	3	A	2991.7004	0.260	0.211E+00	0.212E+00	-0.3
241	v1-0	32	9	A	31	9	A	2991.8585	-0.080	0.191E-01	0.144E-01	24.7
242	v1-0	30	9	A	29	6	A	2991.9563	-0.200	0.927E-01	0.926E-01	0.0
242	v1-0	28	-2	E	27	-2	E	2991.9707	0.160	0.122E+00	0.120E+00	2.0
242	v1-0	29	4	E	28	4	E	2992.1849	-1.070	0.908E-01	0.824E-01	9.3
242	v1-0	28	0	A1	27	0	A2	2992.2059	-0.230	0.143E+00	0.132E+00	7.5
241	v1-0	28	-2	E	27	-2	E	2992.3727	-0.080	0.126E+00	0.116E+00	8.4
241	v1-0	30	6	A	29	6	A	2992.3800	0.430	0.922E-01	0.892E-01	3.3
241	v1-0	34	10	E	33	10	E	2992.4118	-0.240	0.811E-02	0.568E-02	30.0
242	v1-0	29	3	A	28	3	A	2992.5720	-0.010	0.198E+00	0.195E+00	1.5
241	v1-0	33	9	A	32	9	A	2992.7560	-0.040	0.173E-01	0.126E-01	27.4
242	v1-0	31	6	A	30	6	A	2992.8283	0.000	0.884E-01	0.846E-01	4.4
242	v1-0	29	-2	E	28	-2	E	2992.8415	0.060	0.110E+00	0.110E+00	0.0
242	v1-0	29	0	A2	28	0	A1	2993.0783	-0.340	0.114E+00	0.121E+00	-6.1
241	v1-0	29	-2	E	28	-2	E	2993.2569	-0.130	0.111E+00	0.106E+00	4.3
241	v1-0	31	6	A	30	6	A	2993.2660	-0.110	0.844E-01	0.812E-01	3.8
242	v1-0	32	9	A	31	6	A	2993.7002	-0.370	0.800E-01	0.767E-01	4.1
242	v1-0	30	-2	E	29	-2	E	2993.7120	-0.060	0.103E+00	0.101E+00	2.1
242	v1-0	33	7	E	32	7	E	2993.8533	-0.320	0.292E-01	0.254E-01	13.0
242	v1-0	31	4	E	30	4	E	2993.9282	1.570	0.849E-01	0.688E-01	19.0
242	v1-0	30	0	A1	29	0	A2	2993.9504	-0.270	0.109E+00	0.111E+00	-2.0
241	v1-0	30	-2	E	29	-2	E	2994.1409	-0.240	0.995E-01	0.971E-01	2.5
241	v1-0	32	6	A	31	6	A	2994.1512	-0.100	0.757E-01	0.735E-01	2.8
242	v1-0	32	-5	E	31	-5	E	2994.3032	1.160	0.500E-01	0.502E-01	-0.4
242	v1-0	31	3	A	30	3	A	2994.3147	0.280	0.167E+00	0.163E+00	2.3
242	v1-0	31	-2	E	30	-2	E	2994.5822	-0.220	0.920E-01	0.917E-01	0.4
242	v1-0	34	7	E	33	7	E	2994.7255	-0.430	0.204E-01	0.228E-01	-12.0
242	v1-0	32	4	E	31	4	E	2994.7994	0.880	0.612E-01	0.623E-01	-1.9
242	v1-0	31	0	A2	30	0	A1	2994.8224	-0.320	0.115E+00	0.101E+00	12.4
241	v1-0	31	-2	E	30	-2	E	2995.0242	-0.010	0.891E-01	0.882E-01	1.0
241	v1-0	33	6	A	32	6	A	2995.0362	-0.200	0.793E-01	0.662E-01	16.5
241	v1-0	37	10	E	36	10	E	2995.0667	-0.090	0.343E-02	0.386E-02	-12.6
242	v1-0	33	-5	E	32	-5	E	2995.1746	1.170	0.475E-01	0.453E-01	4.7
242	v1-0	32	3	A	31	3	A	2995.1856	0.420	0.152E+00	0.148E+00	3.3

242	v1-0	35	7	E	34	7	E	2995.5975	-0.730	0.230E-01	0.204E-01	11.4
242	v1-0	33	4	E	32	4	E	2995.6705	-0.040	0.688E-01	0.562E-01	18.4
242	v1-0	32	0	A1	31	0	A2	2995.6942	-0.350	0.102E+00	0.915E-01	10.3
241	v1-0	32	-2	E	31	-2	E	2995.9075	-0.110	0.811E-01	0.797E-01	1.8
241	v1-0	34	6	A	33	6	A	2995.9209	-0.080	0.603E-01	0.593E-01	1.7
242	v1-0	34	-5	E	33	-5	E	2996.0459	1.320	0.547E-01	0.406E-01	25.7
242	v1-0	33	3	A	32	3	A	2996.0562	0.070	0.132E+00	0.133E+00	-0.9
242	v1-0	35	6	A	34	6	A	2996.3152	-2.580	0.604E-01	0.555E-01	8.1
242	v1-0	33	-2	E	32	-2	E	2996.3218	-0.740	0.767E-01	0.748E-01	2.5
242	v1-0	34	4	E	33	4	E	2996.5413	-0.080	0.485E-01	0.504E-01	-4.0
242	v1-0	33	0	A2	32	0	A1	2996.5658	-0.350	0.787E-01	0.824E-01	-4.7
241	v1-0	33	-2	E	32	-2	E	2996.7902	-0.130	0.729E-01	0.716E-01	1.7
241	v1-0	35	6	A	34	6	A	2996.8060	-0.720	0.538E-01	0.528E-01	1.8
242	v1-0	35	-5	E	34	-5	E	2996.9169	1.280	0.386E-01	0.362E-01	6.0
242	v1-0	34	3	A	33	3	A	2996.9266	0.220	0.115E+00	0.119E+00	-3.2
242	v1-0	34	-2	E	33	-2	E	2997.1910	-0.880	0.613E-01	0.670E-01	-9.3
242	v1-0	37	7	E	36	7	E	2997.3398	1.200	0.146E-01	0.160E-01	-9.5
242	v1-0	34	0	A1	33	0	A2	2997.4372	0.000	0.690E-01	0.739E-01	-7.0
241	v1-0	34	-2	E	33	-2	E	2997.6728	-0.140	0.750E-01	0.640E-01	14.6
241	v1-0	36	6	A	35	6	A	2997.6906	-1.160	0.516E-01	0.468E-01	9.3
242	v1-0	35	3	A	34	3	A	2997.7967	0.220	0.102E+00	0.106E+00	-3.8
241	v1-0	35	-2	E	34	-2	E	2998.5554	-0.830	0.559E-01	0.570E-01	-2.0
241	v1-0	37	6	A	36	6	A	2998.5733	-0.050	0.481E-01	0.413E-01	14.3
242	v1-0	36	3	A	35	3	A	2998.6665	0.370	0.902E-01	0.943E-01	-4.6
242	v1-0	37	4	E	36	4	E	2999.1508	0.690	0.346E-01	0.352E-01	-1.7
241	v1-0	36	-2	E	35	-2	E	2999.4371	-0.870	0.512E-01	0.504E-01	1.5
241	v1-0	38	6	A	37	6	A	2999.4561	0.090	0.375E-01	0.362E-01	3.4
242	v1-0	38	4	E	37	4	E	3000.0206	0.250	0.308E-01	0.310E-01	-0.5
242	v4-1	13	-2	A	14	3	A	3003.0290	2.120	0.465E-01	0.496E-01	-6.7
242	v4-1	12	-2	A	13	3	A	3003.9190	1.330	0.482E-01	0.505E-01	-4.6
242	v4-1	8	-2	A	9	3	A	3007.4593	0.420	0.485E-01	0.477E-01	1.5
242	v4-1	7	-2	A	8	3	A	3008.3408	0.060	0.498E-01	0.461E-01	7.4
242	3v6-1	15	-2	A	16	3	A	3009.8564	-4.880	0.124E-01	0.141E-01	-13.3
241	v4-1	12	-1	E	13	-2	E	3012.4296	-0.030	0.228E-01	0.243E-01	-6.6
242	v4-1	26	-2	A	26	3	A	3014.7871	0.810	0.368E-01	0.332E-01	9.7
241	v4-1	13	0	E	14	1	E	3019.7447	-0.040	0.194E-01	0.207E-01	-6.5

241	3v6-1	13	-1	E	14	-2	E	3019.8116	0.310	0.943E-02	0.660E-02	30.0
242	v4-1	28	1	A1	29	0	A2	3020.1880	4.830	0.206E-01	0.241E-01	-17.0
242	3v6-1	20	1	A1	21	0	A2	3020.6317	-2.510	0.206E-01	0.220E-01	-6.7
242	3v6-1	29	-1	E	29	-2	E	3022.4401	-4.030	0.114E-01	0.108E-01	5.6
242	3v6-1	11	-2	A	11	3	A	3024.2276	-2.110	0.139E-01	0.163E-01	-17.1
241	3v6-1	19	-2	A	19	3	A	3024.2946	0.180	0.151E-01	0.140E-01	7.6
241	3v6-1	16	0	E	17	1	E	3024.3046	0.240	0.121E-01	0.945E-02	21.8
241	v4-1	8	0	E	9	1	E	3024.3173	-0.390	0.193E-01	0.181E-01	6.1
241	3v6-1	13	-2	A	13	3	A	3025.0817	0.150	0.118E-01	0.121E-01	-3.2
241	v4-1	23	1	A2	24	0	A1	3025.1445	0.020	0.240E-01	0.229E-01	4.3
241	3v6-1	12	-2	A	12	3	A	3025.1878	-0.630	0.112E-01	0.115E-01	-3.0
241	v4-1	7	0	E	8	1	E	3025.2232	-0.380	0.159E-01	0.169E-01	-6.5
242	3v6-1	10	0	E	11	1	E	3029.4347	4.030	0.108E-01	0.114E-01	-4.7
242	3v6-1	19	2	E	20	1	E	3029.4567	-8.490	0.878E-02	0.872E-02	0.6
242	3v6-1	21	0	E	21	1	E	3031.1529	1.390	0.243E-01	0.212E-01	12.6
242	3v6-1	14	-1	E	14	-2	E	3031.1798	-0.280	0.135E-01	0.160E-01	-18.8
242	3v6-1	20	0	E	20	1	E	3031.2429	1.600	0.257E-01	0.228E-01	11.2
242	v4-1	12	0	E	12	1	E	3031.7407	-0.330	0.333E-01	0.291E-01	12.8
242	v4-1	11	-1	E	10	-2	E	3033.2274	0.010	0.130E-01	0.987E-02	23.8
242	v4-1	23	2	E	24	1	E	3033.2468	2.050	0.183E-01	0.176E-01	3.6
242	v4-1	14	1	A1	15	0	A2	3033.4778	1.260	0.334E-01	0.311E-01	7.1
242	v4-1	13	1	A2	14	0	A1	3034.4171	1.970	0.314E-01	0.300E-01	4.2
242	3v6-1	5	1	A2	6	0	A1	3034.7333	-2.910	0.158E-01	0.148E-01	6.1
242	3v6-1	22	1	A2	22	0	A1	3038.9530	0.000	0.371E-01	0.325E-01	12.5
242	3v6-1	11	0	E	11	1	E	3038.9718	3.520	0.195E-01	0.215E-01	-10.4
242	3v6-1	17	1	A1	17	0	A2	3039.4233	0.590	0.506E-01	0.452E-01	10.8
242	v4-1	6	1	A1	7	0	A2	3040.8844	4.690	0.166E-01	0.170E-01	-2.7
242	v4-1	1	1	A2	0	0	A1	3040.9073	-3.320	0.686E-02	0.599E-02	12.7
242	3v6-1	6	2	E	7	1	E	3041.7478	-0.940	0.460E-02	0.503E-02	-9.6
242	v4-1	22	-3	E	23	-2	E	3042.4850	0.270	0.156E-01	0.146E-01	6.4
242	v4-1	13	2	E	14	1	E	3042.5252	-0.980	0.148E-01	0.150E-01	-1.2
242	v4-1	25	1	A1	25	0	A2	3045.8773	0.660	0.537E-01	0.541E-01	-0.7
242	v4-1	18	1	A2	18	0	A1	3046.3932	3.170	0.659E-01	0.658E-01	0.1
242	v4-1	13	1	A1	13	0	A2	3046.7094	4.560	0.595E-01	0.620E-01	-4.2
242	3v6-1	15	2	E	15	1	E	3047.3143	0.140	0.200E-01	0.183E-01	8.7
241	3v6-1	10	2	E	10	1	E	3048.3091	-0.650	0.240E-01	0.251E-01	-4.9

241	v4-1	9	1	A2	8	0	A1	3048.3437	0.690	0.271E-01	0.301E-01	-10.9	
242	3v6-1	11	1	A2	10	0	A1	3049.3330	-0.340	0.308E-01	0.219E-01	28.8	
242	v4-1	5	1	A2	4	0	A1	3051.3938	5.300	0.197E-01	0.176E-01	10.7	
242	3v6-1	4	2	E	3	1	E	3051.4090	-1.100	0.110E-01	0.827E-02	24.8	
242	3v6-1	5	2	E	4	1	E	3052.2558	-1.370	0.120E-01	0.889E-02	25.8	
242	v4-1	20	4	A	21	3	A	3052.6612	-1.140	0.244E-01	0.261E-01	-7.1	
242	v4-1	26	2	E	26	1	E	3053.9836	3.950	0.296E-01	0.290E-01	2.2	
242	v4-1	23	2	E	23	1	E	3054.1696	1.850	0.329E-01	0.338E-01	-2.7	
242	v4-1	22	2	E	22	1	E	3054.2318	0.830	0.343E-01	0.351E-01	-2.4	
242	v4-1	14	1	A1	13	0	A2	3058.7848	1.680	0.332E-01	0.341E-01	-2.6	
242	v4-1	26	-1	E	25	1	E	3060.2332	-1.180	0.980E-02	0.970E-02	1.0	
242	v4-1	6	2	E	5	1	E	3060.2439	2.890	0.150E-01	0.162E-01	-7.6	
242	v4-1	16	1	A1	15	0	A2	3060.3835	0.700	0.340E-01	0.351E-01	-3.3	
242	v4-1	22	-3	E	22	-2	E	3062.5377	-0.120	0.331E-01	0.358E-01	-8.1	
242	3v6-1	18	4	A	18	3	A	3062.5531	-2.640	0.218E-01	0.181E-01	16.9	
242	v4-1	16	5	E	17	4	E	3064.6375	-2.330	0.107E-01	0.983E-02	8.0	
242	v4-1	22	1	A1	21	0	A2	3065.1269	0.660	0.337E-01	0.323E-01	4.1	
242	v4-1	15	5	E	16	4	E	3065.5413	-1.960	0.906E-02	0.940E-02	-3.7	
242	v4-1	13	2	E	12	1	E	3066.0883	-0.720	0.218E-01	0.223E-01	-2.5	
242	v4-1	14	2	E	13	1	E	3066.9107	-1.260	0.219E-01	0.226E-01	-3.3	
242	v4-1	16	2	E	15	1	E	3068.5480	-1.480	0.219E-01	0.227E-01	-3.5	
242	v4-1	27	1	A2	26	0	A1	3069.0605	3.690	0.245E-01	0.250E-01	-2.1	
242	v4-1	7	-3	E	6	-2	E	3069.2529	1.440	0.229E-01	0.235E-01	-2.8	
241	v4-1	10	-3	E	9	-2	E	3072.4169	-0.450	0.220E-01	0.221E-01	-0.6	
242	v4-1	21	2	E	20	1	E	3072.6077	0.320	0.207E-01	0.203E-01	1.8	
242	v4-1	11	-3	E	10	-2	E	3072.6249	-0.130	0.260E-01	0.266E-01	-2.1	
242	3v6-1	11	4	A	10	3	A	3072.8775	-0.320	0.228E-01	0.153E-01	32.7	
242	v4-1	22	2	E	21	1	E	3073.4158	1.250	0.219E-01	0.195E-01	11.0	
242	3v6-1	12	4	A	11	3	A	3073.6691	0.010	0.219E-01	0.146E-01	33.3	
241	v4-1	20	-3	E	19	-2	E	3080.7621	-0.450	0.224E-01	0.220E-01	1.9	
242	v4-1	22	-3	E	21	-2	E	3081.7209	-0.160	0.229E-01	0.219E-01	4.1	
242	v4-1	12	4	A	11	3	A	3081.7428	-1.430	0.577E-01	0.602E-01	-4.3	
242	v4-1	13	4	A	12	3	A	3082.5827	-1.770	0.587E-01	0.601E-01	-2.3	
242	v4-1	14	4	A	13	3	A	3083.4206	-1.750	0.608E-01	0.596E-01	2.0	
242	v4-1	7	5	E	6	4	E	3085.8126	-0.190	0.469E-01	0.469E-01	0.1	
*	242	v4-1	27	-3	E	26	-2	E	3085.8136	-1.190			

242	v4-1	20	4	A	19	3	A	3088.4151	-1.010	0.517E-01	0.503E-01	2.7	
242	v4-1	12	5	E	11	4	E	3090.0598	-2.260	0.284E-01	0.310E-01	-9.2	
242	v4-1	22	4	A	21	3	A	3090.0704	-0.230	0.463E-01	0.455E-01	1.7	
242	v4-1	24	4	A	23	3	A	3091.7227	0.490	0.412E-01	0.402E-01	2.2	
242	v4-1	14	5	E	13	4	E	3091.7450	-2.280	0.292E-01	0.302E-01	-3.5	
242	v4-1	16	5	E	15	4	E	3093.4235	-2.370	0.282E-01	0.288E-01	-2.1	
242	v4-1	7	-6	E	6	-5	E	3094.1269	-1.110	0.322E-01	0.315E-01	2.3	
242	v4-1	17	5	E	16	4	E	3094.2605	-1.640	0.274E-01	0.279E-01	-1.7	
242	v4-1	11	-6	E	10	-5	E	3097.5348	-1.680	0.295E-01	0.303E-01	-2.6	
242	v4-1	22	5	E	21	4	E	3098.4274	-0.670	0.233E-01	0.221E-01	5.3	
242	v4-1	14	-6	E	13	-5	E	3100.0710	-1.920	0.279E-01	0.286E-01	-2.7	
241	v4-1	14	-6	E	13	-5	E	3100.5732	-1.310	0.255E-01	0.263E-01	-3.1	
241	v4-1	15	-6	E	14	-5	E	3101.4242	-0.750	0.252E-01	0.257E-01	-2.2	
241	v4-1	25	5	E	24	4	E	3101.5467	1.460	0.303E-01	0.318E-01	-5.2	
*	241	v4-1	35	4	A	34	3	A	3101.5468	1.360			
241	v4-1	16	-6	E	15	-5	E	3102.2742	-0.010	0.257E-01	0.250E-01	2.6	
241	v4-1	7	7	A	6	6	A	3102.8402	0.330	0.563E-01	0.526E-01	6.5	
241	3v6-1	21	7	A	20	6	A	3105.3705	-1.090	0.674E-02	0.716E-02	-6.2	
241	v4-1	10	7	A	9	6	A	3105.4326	-0.170	0.491E-01	0.505E-01	-2.8	
241	v4-1	11	7	A	10	6	A	3106.2914	0.490	0.488E-01	0.498E-01	-2.0	
241	v4-1	12	7	A	11	6	A	3107.1492	0.690	0.482E-01	0.489E-01	-1.5	

In Column 1, "241" and "242" refer to the $\text{CH}_3^{35}\text{Cl}$ and $\text{CH}_3^{37}\text{Cl}$ isotopic species, respectively (HITRAN notation). Column 2 gives assignment for the upper vibrational states ($v_1=0$, $v_4=1$ and $3v_6=1$ stand for ($v_1=1$; $\ell=0$), ($v_4=1$; $\ell=1$) and ($v_6=3$; $\ell=1$), respectively). Columns 3 to 8 give the upper and lower J , K rotational quantum numbers and symmetry types. Note that "A" stands for overlapping $A_1 \leftarrow A_2$ and $A_2 \leftarrow A_1$ transitions. Columns 9 and 10 give the calculated line positions (in cm^{-1}) and differences between experimental and calculated line positions in 10^{-3}cm^{-1} , respectively. Columns 11 and 12 are the observed and calculated line intensities for a pure $\text{CH}_3^{35}\text{Cl}$ and $\text{CH}_3^{37}\text{Cl}$ isotopic species at 296 K in $\text{cm}^{-2}\cdot\text{atm}^{-1}$. % is the difference (in percent) between experimental and calculated line intensities [$100 \times (S_{\text{obs}} - S_{\text{calc}}) / S_{\text{obs}}$].

An asterisk (*) corresponds to a transition overlapped with the previous one: the quoted calculated and measured intensities are for the total intensity of the overlapping lines.