

Supplementary material S1

Line list of transitions of the ν_1 fundamental band of chlorine dioxide ($^{16}\text{O}^{35}\text{Cl}^{16}\text{O}$).

Electronic supplementary material S1 to:

High resolution spectroscopy of asymmetric top molecules in nonsinglet electronic states: The ν_3 fundamental of chlorine dioxide ($^{16}\text{O}^{35}\text{Cl}^{16}\text{O}$) free radical in the X^2B_1 electronic ground state

- ^{a)} Quantum numbers of the upper vibrational state denoted with a single prime ('); $J' = N' + 1/2$ is denoted as "+", $J = N - 1/2$ is denoted as "-".
- ^{b)} Quantum numbers of the ground vibrational state denoted with a double prime (""); $J'' = N'' + 1/2$ is denoted as "+", $J = N - 1/2$ is denoted as "-".
- ^{c)} Experimental wavenumber ν (in cm^{-1}).
- ^{d)} Transmittance (in %)
- ^{e)} Difference ($\nu_{\text{exp}} - \nu_{\text{calc}}$) (in 10^{-4} cm^{-1}).
- ^{f)} Number of spectrum .

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
64	12	52	+	64	14	51	+	1029.3279	99.0	-9	II
55	6	50	-	56	8	49	-	1029.5265	99.4	4	II
70	5	65	+	71	7	64	+	1031.2231	99.0	2	II
62	7	55	-	63	9	54	-	1031.7641	99.5	3	II
71	3	69	-	71	3	68	-	1034.4652	99.0	6	II
60	11	49	-	60	13	48	-	1036.0478	99.3	2	II
72	1	71	-	71	3	68	-	1038.6342	99.5	-2	II
62	7	55	+	63	9	54	+	1038.7564	99.0	-5	II
63	5	59	-	64	5	60	-	1038.8764	99.0	-19	II
56	6	50	-	57	8	49	-	1040.8613	99.3	-7	II
56	6	50	+	57	8	49	+	1040.8728	99.2	2	II
54	6	48	-	55	8	47	-	1042.0572	99.2	0	II
60	10	50	+	60	12	49	+	1042.6537	99.0	-2	II
58	10	48	-	58	12	47	-	1042.6776	99.0	-7	II
64	10	54	-	64	12	53	-	1042.7282	98.9	1	II
66	10	56	-	66	12	55	-	1042.8938	98.9	-8	II
66	7	59	-	67	7	60	-	1046.9433	98.9	-1	II
52	9	43	-	52	11	42	-	1049.4418	98.7	-2	II
54	9	45	-	54	11	44	-	1049.4586	98.7	-8	II
56	9	47	-	56	11	46	-	1049.5422	97.9	7	II
84	0	84	-	85	0	85	-	1052.4100	97.9	4	II
83	1	83	+	84	1	84	+	1053.2062	98.7	4	II
66	5	61	-	67	5	62	-	1053.8240	99.3	2	II
81	1	81	-	82	1	82	-	1054.7751	96.6	3	II
80	0	80	-	81	0	81	-	1055.5576	96.4	3	II
79	1	79	-	80	1	80	-	1056.3378	95.9	3	II
79	1	79	+	80	1	80	+	1056.3378	95.9	-21	II
78	0	78	-	79	0	79	-	1057.1150	89.1	3	II
78	0	78	+	79	0	79	+	1057.1171	92.5	1	II
76	1	75	+	77	1	76	+	1057.7683	98.5	9	II
76	1	75	+	77	1	76	+	1057.7683	98.5	9	II
77	1	77	-	78	1	78	-	1057.8894	95.2	-1	II
77	1	77	+	78	1	78	+	1057.8894	95.2	-16	II
58	8	50	-	58	10	49	-	1058.4733	97.8	-4	II
76	0	76	-	77	0	77	-	1058.6613	94.4	2	II
74	1	73	-	75	1	74	-	1059.3081	92.9	-3	II
75	1	75	+	76	1	76	+	1059.4302	92.3	-11	II
75	1	75	-	76	1	76	-	1059.4302	92.3	-2	II
60	8	52	+	60	10	51	+	1059.5104	98.5	-4	II
72	2	70	-	73	2	71	-	1059.9805	86.7	14	II
66	10	56	-	67	10	57	-	1059.9835	87.7	-6	II
66	10	56	-	67	10	57	-	1059.9835	87.7	-6	II
74	0	74	-	75	0	75	-	1060.1967	90.5	1	II
74	0	74	+	75	0	75	+	1060.1967	90.5	-9	II
66	7	59	+	67	9	58	+	1060.5658	98.8	-1	II
65	12	54	-	66	12	55	-	1060.6268	95.0	2	II
65	11	55	+	66	11	56	+	1060.8176	91.1	-7	II
65	11	55	+	66	11	56	+	1060.8176	91.1	-7	II
64	14	50	-	65	14	51	-	1060.9090	95.5	0	II
73	1	73	-	74	1	74	-	1060.9602	90.2	-2	II
73	1	73	+	74	1	74	+	1060.9602	90.2	-7	II
66	6	60	-	67	6	61	-	1061.1783	98.0	3	II
64	13	51	-	65	13	52	-	1061.2061	87.3	0	II
64	12	52	+	65	12	53	+	1061.4554	90.9	9	II
70	2	68	-	71	2	69	-	1061.5084	91.8	-3	II
70	2	68	+	71	2	69	+	1061.5084	91.8	1	II
71	2	70	+	72	2	71	+	1061.6052	77.4	17	II
64	11	53	+	65	11	54	+	1061.6446	82.2	-4	II
64	11	53	-	65	11	54	-	1061.6446	82.2	-20	II
64	10	54	+	65	10	55	+	1061.7195	85.5	-14	II
72	0	72	+	73	0	73	+	1061.7195	85.5	-22	II
64	10	54	-	65	10	55	-	1061.7195	85.5	-15	II
72	0	72	-	73	0	73	-	1061.7195	85.5	-17	II
63	14	50	-	64	14	51	-	1061.7271	92.7	-3	II
76	1	75	-	76	3	74	-	1061.8316	97.6	-2	II
63	13	51	+	64	13	52	+	1062.0255	94.5	2	II
63	13	51	-	64	13	52	-	1062.0281	91.2	-7	II
68	3	65	+	69	3	66	+	1062.1965	95.6	1	II
70	1	69	+	71	1	70	+	1062.3623	72.6	-6	II
70	1	69	-	71	1	70	-	1062.3623	72.6	-3	II
71	1	71	-	72	1	72	-	1062.4792	85.2	-2	II
71	1	71	+	72	1	72	+	1062.4792	85.2	-4	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
63	11	53	+	64	11	54	+	1062.4900	87.8	-3	II
62	14	48	-	63	14	49	-	1062.5426	92.8	3	II
62	13	49	-	63	13	50	-	1062.8476	74.2	-3	II
62	8	54	-	63	8	55	-	1062.9940	87.8	3	II
62	12	50	-	63	12	51	-	1063.1097	85.7	1	II
69	2	68	-	70	2	69	-	1063.1173	85.6	-21	II
69	2	68	+	70	2	69	+	1063.1173	85.6	-22	II
70	0	70	+	71	0	71	+	1063.2347	82.0	-3	II
70	0	70	-	71	0	71	-	1063.2347	82.0	-1	II
62	11	51	+	63	11	52	+	1063.3143	83.4	1	II
62	11	51	-	63	11	52	-	1063.3143	83.4	-15	II
61	14	48	-	62	14	49	-	1063.3539	87.2	0	II
74	1	73	+	74	3	72	+	1063.4144	96.2	-5	II
64	5	59	+	65	5	60	+	1063.5861	86.6	-4	II
65	5	61	-	66	5	62	-	1063.6605	91.9	-3	II
61	13	49	+	62	13	50	+	1063.6605	91.9	5	II
61	13	49	-	62	13	50	-	1063.6629	91.9	-5	II
68	1	67	-	69	1	68	-	1063.8717	83.2	-18	II
61	12	50	+	62	12	51	+	1063.9280	90.3	-1	II
61	12	50	-	62	12	51	-	1063.9297	90.9	-9	II
69	1	69	+	70	1	70	+	1063.9857	46.8	-18	II
69	1	69	-	70	1	70	-	1063.9857	46.8	-19	II
61	11	51	+	62	11	52	+	1064.1467	84.2	-1	II
60	14	46	-	61	14	47	-	1064.1624	91.4	3	II
61	10	52	+	62	10	53	+	1064.3126	75.2	-7	II
61	10	52	+	62	10	53	+	1064.3126	75.2	-7	II
60	13	47	-	61	13	48	-	1064.4751	90.8	-3	II
67	2	66	-	68	2	67	-	1064.6235	79.6	-15	II
67	2	66	+	68	2	67	+	1064.6235	79.6	-14	II
68	0	68	+	69	0	69	+	1064.7374	78.6	-2	II
68	0	68	-	69	0	69	-	1064.7374	78.6	-1	II
60	12	48	+	61	12	49	+	1064.7446	88.7	2	II
60	8	52	-	61	8	53	-	1064.7618	84.2	4	II
72	1	71	-	72	3	70	-	1064.9148	88.5	-3	II
74	2	72	+	74	4	71	+	1064.9263	97.7	2	II
60	11	49	-	61	11	50	-	1064.9660	80.1	-12	II
60	11	49	+	61	11	50	+	1064.9660	80.1	3	II
60	10	50	+	61	10	51	+	1065.1083	76.7	-8	II
60	10	50	-	61	10	51	-	1065.1083	76.7	-11	II
59	13	47	+	60	13	48	+	1065.2809	88.7	5	II
59	13	47	-	60	13	48	-	1065.2836	73.6	-3	II
65	3	63	+	66	3	64	+	1065.2836	73.6	-20	II
65	3	63	-	66	3	64	-	1065.2836	73.6	-26	II
66	1	65	+	67	1	66	+	1065.3757	78.8	21	II
67	1	67	-	68	1	68	-	1065.4844	58.7	-4	II
67	1	67	+	68	1	68	+	1065.4844	58.7	-2	II
68	5	63	-	69	5	64	-	1065.5476	98.3	1	II
59	12	48	+	60	12	49	+	1065.5576	85.5	0	II
71	2	70	+	71	2	69	+	1065.7190	79.3	-10	II
62	4	58	+	63	4	59	+	1065.9107	63.2	3	II
59	10	50	+	60	10	51	+	1065.9644	61.1	-8	II
59	10	50	-	60	10	51	-	1065.9644	61.1	-14	II
58	13	45	+	59	13	46	+	1066.0849	39.7	-5	II
65	2	64	+	66	2	65	+	1066.1190	69.9	-5	II
65	2	64	-	66	2	65	-	1066.1190	69.9	-7	II
66	0	66	-	67	0	67	-	1066.2291	61.1	-1	II
66	0	66	+	67	0	67	+	1066.2291	61.1	1	II
59	8	52	+	60	8	53	+	1066.3224	70.8	-5	II
58	12	46	+	59	12	47	+	1066.3666	83.5	0	II
58	12	46	-	59	12	47	-	1066.3685	82.7	-7	II
58	7	51	-	59	7	52	-	1066.3941	46.8	-5	II
58	7	51	+	59	7	52	+	1066.3941	46.8	2	II
72	2	70	+	72	4	69	+	1066.4774	95.6	-14	II
58	8	50	-	59	8	51	-	1066.5342	80.5	5	II
58	8	50	+	59	8	51	+	1066.5380	77.6	11	II
60	5	55	+	61	5	56	+	1066.5578	71.5	13	II
60	5	55	-	61	5	56	-	1066.5578	71.5	-19	II
57	14	44	-	58	14	45	-	1066.5664	89.2	2	II
58	11	47	-	59	11	48	-	1066.6012	68.3	-8	II
61	5	57	+	62	5	58	+	1066.6631	80.0	-5	II
61	5	57	-	62	5	58	-	1066.6680	68.0	28	II
62	3	59	-	63	3	60	-	1066.7121	76.0	-12	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
62	3	59	+	63	3	60	+	1066.7121	76.0	-3	II
58	10	48	+	59	10	49	+	1066.7665	66.5	-5	II
58	10	48	-	59	10	49	-	1066.7665	66.5	-10	II
58	9	49	+	59	9	50	+	1066.7937	77.5	-5	II
58	9	49	-	59	9	50	-	1066.7937	77.5	9	II
64	1	63	+	65	1	64	+	1066.8619	63.5	-10	II
64	1	63	-	65	1	64	-	1066.8619	63.5	-12	II
57	13	45	+	58	13	46	+	1066.8870	87.0	3	II
57	13	45	-	58	13	46	-	1066.8900	86.9	-2	II
65	1	65	-	66	1	66	-	1066.9708	63.4	-3	II
65	1	65	+	66	1	66	+	1066.9708	63.4	0	II
57	12	46	-	58	12	47	-	1067.1740	81.1	-9	II
56	14	42	+	57	14	43	+	1067.3570	86.5	6	II
56	14	42	-	57	14	43	-	1067.3610	77.9	0	II
59	6	54	-	60	6	55	-	1067.3959	75.6	2	II
60	4	56	+	61	4	57	+	1067.3986	76.2	1	II
57	11	47	+	58	11	48	+	1067.4131	75.7	3	II
57	11	47	-	58	11	48	-	1067.4131	75.7	-13	II
61	4	58	+	62	4	59	+	1067.4555	72.1	-6	II
62	2	60	+	63	2	61	+	1067.5189	70.1	-10	II
57	10	48	+	58	10	49	+	1067.6020	48.9	2	II
63	2	62	-	64	2	63	-	1067.6020	48.9	-17	II
57	10	48	-	58	10	49	-	1067.6020	48.9	-5	II
63	2	62	+	64	2	63	+	1067.6020	48.9	-14	II
56	13	43	+	57	13	44	+	1067.6851	72.6	5	II
56	13	43	-	57	13	44	-	1067.6878	78.6	-3	II
64	0	64	-	65	0	65	-	1067.7100	62.0	-1	II
64	0	64	+	65	0	65	+	1067.7100	62.0	1	II
57	9	49	-	58	9	50	-	1067.7487	60.0	0	II
57	9	49	+	58	9	50	+	1067.7487	60.0	3	II
55	15	41	-	56	15	42	-	1067.7884	85.2	12	II
57	8	50	+	58	8	51	+	1067.9291	54.7	-6	II
56	12	44	+	57	12	45	+	1067.9741	59.8	0	II
56	12	44	-	57	12	45	-	1067.9772	46.6	5	II
58	5	53	+	59	5	54	+	1068.0119	72.0	-19	II
56	7	49	-	57	7	50	-	1068.0497	66.5	8	II
56	7	49	+	57	7	50	+	1068.0510	67.2	3	II
55	14	42	+	56	14	43	+	1068.1482	63.7	6	II
59	5	55	+	60	5	56	+	1068.1506	73.2	2	II
59	5	55	-	60	5	56	-	1068.1506	73.2	-13	II
60	3	57	+	61	3	58	+	1068.1957	73.3	-4	II
56	11	45	+	57	11	46	+	1068.2191	71.1	3	II
61	3	59	-	62	3	60	-	1068.2583	67.3	-15	II
61	3	59	+	62	3	60	+	1068.2583	67.3	-11	II
57	7	51	+	58	7	52	+	1068.2922	68.0	2	II
56	8	48	-	57	8	49	-	1068.2942	69.9	2	II
57	7	51	-	58	7	52	-	1068.2942	69.9	8	II
56	8	48	+	57	8	49	+	1068.2980	73.0	7	II
62	1	61	+	63	1	62	+	1068.3411	48.8	-2	II
62	1	61	-	63	1	62	-	1068.3411	48.8	-4	II
56	10	46	-	57	10	47	-	1068.4041	54.2	-7	II
56	10	46	+	57	10	47	+	1068.4041	54.2	-1	II
63	1	63	+	64	1	64	+	1068.4463	96.1	2	I
63	1	63	-	64	1	64	-	1068.4463	96.1	-1	I
55	13	43	+	56	13	44	+	1068.4795	44.1	5	II
56	9	47	+	57	9	48	+	1068.4795	44.1	5	II
54	15	39	-	55	15	40	-	1068.5730	82.0	6	II
55	12	44	+	56	12	45	+	1068.7719	20.8	-4	II
58	4	54	+	59	4	55	+	1068.8745	69.7	6	II
58	4	54	-	59	4	55	-	1068.8745	69.7	-11	II
57	6	52	+	58	6	53	+	1068.8916	70.0	8	II
54	14	40	+	55	14	41	+	1068.9349	66.2	-6	II
59	4	56	+	60	4	57	+	1068.9349	66.2	2	II
59	4	56	-	60	4	57	-	1068.9349	66.2	-6	II
54	14	40	-	55	14	41	-	1068.9403	83.1	1	II
60	2	58	-	61	2	59	-	1068.9953	64.3	-12	II
60	2	58	+	61	2	59	+	1068.9953	64.3	-8	II
55	11	45	+	56	11	46	+	1069.0230	71.7	3	II
61	2	60	+	62	2	61	+	1069.0787	18.4	22	II
62	0	62	-	63	0	63	-	1069.1800	93.7	1	I
62	0	62	+	63	0	63	+	1069.1800	93.7	3	I
55	10	46	-	56	10	47	-	1069.2230	58.4	-8	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
55	10	46	+	56	10	47	+	1069.2230	58.4	-1	II
54	13	41	+	55	13	42	+	1069.2701	74.2	2	II
54	13	41	-	55	13	42	-	1069.2735	80.3	-1	II
55	9	47	-	56	9	48	-	1069.3752	43.5	-4	II
55	9	47	+	56	9	48	+	1069.3752	43.5	-12	II
56	5	51	-	57	5	52	-	1069.4529	17.3	-20	II
56	5	51	+	57	5	52	+	1069.4529	17.3	17	II
55	8	48	+	56	8	49	+	1069.5344	49.4	-4	II
55	8	48	-	56	8	49	-	1069.5344	49.4	-4	II
54	12	42	+	55	12	43	+	1069.5669	76.3	0	II
54	12	42	-	55	12	43	-	1069.5693	76.6	-3	II
57	5	53	+	58	5	54	+	1069.6277	64.7	5	II
57	5	53	-	58	5	54	-	1069.6277	64.7	-9	II
58	3	55	+	59	3	56	+	1069.6690	63.4	3	II
58	3	55	-	59	3	56	-	1069.6690	63.4	-5	II
53	14	40	+	54	14	41	+	1069.7205	81.2	5	II
53	14	40	-	54	14	41	-	1069.7245	74.0	-2	II
59	3	57	-	60	3	58	-	1069.7298	54.5	-7	II
59	3	57	+	60	3	58	+	1069.7298	54.5	-3	II
54	7	47	-	55	7	48	-	1069.7348	64.3	2	II
54	7	47	+	55	7	48	+	1069.7375	63.1	6	II
66	4	62	-	67	4	63	-	1069.7658	91.1	-2	II
60	1	59	+	61	1	60	+	1069.8089	51.8	-2	II
60	1	59	-	61	1	60	-	1069.8089	51.8	-4	II
54	11	43	+	55	11	44	+	1069.8217	67.7	3	II
55	7	49	+	56	7	50	+	1069.8396	53.0	-4	II
55	7	49	-	56	7	50	-	1069.8396	53.0	-12	II
61	1	61	-	62	1	62	-	1069.9109	90.6	1	I
61	1	61	+	62	1	62	+	1069.9109	90.6	4	I
54	6	48	+	55	6	49	+	1069.9679	59.8	-1	II
54	10	44	+	55	10	45	+	1070.0223	42.2	0	II
54	10	44	-	55	10	45	-	1070.0223	42.2	-7	II
54	8	46	-	55	8	47	-	1070.0288	58.0	3	II
54	8	46	+	55	8	47	+	1070.0319	58.6	4	II
53	13	41	+	54	13	42	+	1070.0576	73.5	2	II
65	2	64	-	65	2	63	-	1070.2203	98.1	-9	II
65	2	64	+	65	2	63	+	1070.2649	89.4	6	II
67	3	65	-	67	3	64	-	1070.2806	98.3	17	II
56	4	52	+	57	4	53	+	1070.3369	57.9	10	II
56	4	52	-	57	4	53	-	1070.3369	57.9	-7	II
53	12	42	+	54	12	43	+	1070.3580	74.6	1	II
53	12	42	-	54	12	43	-	1070.3604	74.5	-3	II
55	6	50	-	56	6	51	-	1070.3848	62.9	-7	II
57	4	54	-	58	4	55	-	1070.4017	36.1	-16	II
57	4	54	+	58	4	55	+	1070.4017	36.1	-8	II
58	2	56	+	59	2	57	+	1070.4610	94.8	-3	I
58	2	56	-	59	2	57	-	1070.4610	94.8	-7	I
52	14	38	+	53	14	39	+	1070.5018	76.8	6	II
52	14	38	-	53	14	39	-	1070.5061	78.3	1	II
59	2	58	+	60	2	59	+	1070.5387	46.8	-1	II
59	2	58	-	60	2	59	-	1070.5387	46.8	-3	II
53	11	43	+	54	11	44	+	1070.6174	66.2	3	II
60	0	60	+	61	0	61	+	1070.6386	93.8	-1	I
60	0	60	-	61	0	61	-	1070.6386	93.8	-3	I
53	10	44	+	54	10	45	+	1070.8289	91.0	3	II
53	10	44	-	54	10	45	-	1070.8289	91.0	-5	II
52	13	39	+	53	13	40	+	1070.8412	60.5	-1	II
54	5	49	-	55	5	50	-	1070.8733	52.2	-5	II
54	5	49	+	55	5	50	+	1070.8733	52.2	35	II
51	15	37	+	52	15	38	+	1070.9037	79.7	10	II
53	9	45	+	54	9	46	+	1070.9898	41.9	0	II
53	9	45	-	54	9	46	-	1070.9898	41.9	1	II
55	5	51	+	56	5	52	+	1071.0952	59.5	8	II
55	5	51	-	56	5	52	-	1071.0952	59.5	-5	II
56	3	53	+	57	3	54	+	1071.1310	13.7	7	II
56	3	53	-	57	3	54	-	1071.1326	16.4	16	II
53	8	46	+	54	8	47	+	1071.1356	31.5	-2	II
53	8	46	-	54	8	47	-	1071.1356	31.5	0	II
52	12	40	+	53	12	41	+	1071.1453	71.1	0	II
52	12	40	-	53	12	41	-	1071.1479	69.2	-2	II
57	3	55	+	58	3	56	+	1071.1894	48.4	-6	II
57	3	55	-	58	3	56	-	1071.1894	48.4	-9	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
58	1	57	—	59	1	58	—	1071.2661	33.8	0	II
58	1	57	+	59	1	58	+	1071.2661	33.8	2	II
51	14	38	+	52	14	39	+	1071.2795	75.2	5	II
51	14	38	—	52	14	39	—	1071.2840	64.7	1	II
59	1	59	+	60	1	60	+	1071.3643	92.1	3	I
59	1	59	—	60	1	60	—	1071.3643	92.1	0	I
53	7	47	—	54	7	48	—	1071.3895	23.1	-11	II
53	7	47	+	54	7	48	+	1071.3895	23.1	-7	II
52	11	41	+	53	11	42	+	1071.4088	63.0	2	II
52	6	46	+	53	6	47	+	1071.4903	84.6	-22	I
52	6	46	—	53	6	47	—	1071.4903	84.6	-36	I
51	13	39	+	52	13	40	+	1071.6225	22.7	6	II
52	10	42	+	53	10	43	+	1071.6225	22.7	-1	II
52	10	42	—	53	10	43	—	1071.6225	22.7	-9	II
51	13	39	—	52	13	40	—	1071.6257	69.2	-1	II
50	15	35	+	51	15	36	+	1071.6757	78.3	9	II
50	15	35	—	51	15	36	—	1071.6816	77.2	5	II
52	8	44	—	53	8	45	—	1071.7294	95.6	2	I
52	8	44	+	53	8	45	+	1071.7316	95.4	-1	I
52	9	43	+	53	9	44	+	1071.7623	37.1	0	II
52	9	43	—	53	9	44	—	1071.7623	37.1	4	II
54	4	50	—	55	4	51	—	1071.7825	9.1	-26	II
54	4	50	+	55	4	51	+	1071.7825	9.1	-8	II
65	3	63	—	65	3	62	—	1071.7978	93.7	-29	II
55	4	52	—	56	4	53	—	1071.8601	44.5	-2	II
55	4	52	+	56	4	53	+	1071.8601	44.5	5	II
53	6	48	+	54	6	49	+	1071.8746	94.1	-2	I
53	6	48	—	54	6	49	—	1071.8746	94.1	-14	I
56	2	54	—	57	2	55	—	1071.9141	84.6	-19	II
51	12	40	+	52	12	41	+	1071.9291	68.1	0	II
51	12	40	—	52	12	41	—	1071.9318	68.3	-2	II
57	2	56	+	58	2	57	+	1071.9901	85.2	-2	II
57	2	56	—	58	2	57	—	1071.9901	85.2	-3	II
50	14	36	+	51	14	37	+	1072.0538	73.4	4	II
50	14	36	—	51	14	37	—	1072.0589	61.2	3	II
58	0	58	—	59	0	59	—	1072.0869	92.0	0	I
58	0	58	+	59	0	59	+	1072.0869	92.0	1	I
43	24	20	+	44	24	21	+	1072.1498	88.3	-3	II
43	24	20	—	44	24	21	—	1072.1717	95.0	-5	II
51	11	41	+	52	11	42	+	1072.1966	60.4	1	II
51	11	41	—	52	11	42	—	1072.1982	60.4	-3	II
62	7	55	—	62	9	54	—	1072.2700	89.9	6	II
52	5	47	+	53	5	48	+	1072.2742	39.6	-9	II
52	5	47	—	53	5	48	—	1072.2787	51.1	-4	II
50	13	37	+	51	13	38	+	1072.3992	68.7	2	II
50	13	37	—	51	13	38	—	1072.4030	69.9	-1	II
51	10	42	—	52	10	43	—	1072.4186	94.0	-8	I
51	10	42	+	52	10	43	+	1072.4186	94.0	2	I
49	15	35	+	50	15	36	+	1072.4444	75.5	7	II
49	15	35	—	50	15	36	—	1072.4502	75.3	0	II
53	5	49	+	54	5	50	+	1072.5518	94.6	-11	I
54	3	51	—	55	3	52	—	1072.5810	47.7	-18	II
54	3	51	+	55	3	52	+	1072.5810	47.7	6	II
51	9	43	—	52	9	44	—	1072.5898	91.6	2	I
51	9	43	+	52	9	44	+	1072.5898	91.6	2	I
64	2	62	+	64	4	61	+	1072.6020	91.9	3	II
55	3	53	+	56	3	54	+	1072.6388	92.7	-2	I
55	3	53	—	56	3	54	—	1072.6388	92.7	-5	I
50	12	38	—	51	12	39	—	1072.7120	88.9	-3	I
56	1	55	+	57	1	56	+	1072.7120	88.9	1	I
56	1	55	—	57	1	56	—	1072.7120	88.9	0	I
51	8	44	—	52	8	45	—	1072.7299	91.8	1	I
51	8	44	+	52	8	45	+	1072.7299	91.8	-3	I
57	1	57	+	58	1	58	+	1072.8073	80.4	7	I
57	1	57	—	58	1	58	—	1072.8073	80.4	4	I
43	23	21	—	44	23	22	—	1072.8195	65.1	-5	II
49	14	36	+	50	14	37	+	1072.8249	70.7	3	II
49	14	36	—	50	14	37	—	1072.8300	69.9	1	II
42	24	18	—	43	24	19	—	1072.9041	91.0	-5	II
51	7	45	—	52	7	46	—	1072.9419	90.7	-2	I
51	7	45	+	52	7	46	+	1072.9419	90.7	-2	I
50	11	39	—	51	11	40	—	1072.9818	40.2	-8	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
50	6	44	+	51	6	45	+	1073.0529	89.7	0	I
50	6	44	-	51	6	45	-	1073.0529	89.7	-2	I
50	7	43	-	51	7	44	-	1073.1510	46.9	2	II
50	7	43	+	51	7	44	+	1073.1550	43.7	4	II
49	13	37	+	50	13	38	+	1073.1729	51.9	1	II
49	13	37	-	50	13	38	-	1073.1765	53.5	-4	II
50	10	40	-	51	10	41	-	1073.2062	37.4	-7	II
50	10	40	+	51	10	41	+	1073.2062	37.4	3	II
48	15	33	+	49	15	34	+	1073.2100	70.0	6	II
52	4	48	+	53	4	49	+	1073.2132	44.6	-11	II
52	4	48	-	53	4	49	-	1073.2162	31.8	-1	II
48	15	33	-	49	15	34	-	1073.2162	31.8	2	II
53	4	50	+	54	4	51	+	1073.3051	42.3	-8	II
53	4	50	-	54	4	51	-	1073.3066	42.4	0	II
63	3	61	+	63	3	60	+	1073.3592	91.4	4	I
54	2	52	-	55	2	53	-	1073.3592	91.4	-3	I
54	2	52	+	55	2	53	+	1073.3592	91.4	0	I
50	9	41	+	51	9	42	+	1073.3646	89.9	-30	I
51	6	46	+	52	6	47	+	1073.3646	89.9	-5	I
50	9	41	-	51	9	42	-	1073.3646	89.9	-29	I
51	6	46	-	52	6	47	-	1073.3646	89.9	-15	I
50	8	42	-	51	8	43	-	1073.3958	93.9	18	I
50	8	42	+	51	8	43	+	1073.3958	93.9	-2	I
55	2	54	+	56	2	55	+	1073.4309	90.8	1	I
55	2	54	-	56	2	55	-	1073.4309	90.8	0	I
49	12	38	+	50	12	39	+	1073.4859	57.9	-1	II
49	12	38	-	50	12	39	-	1073.4888	50.6	-3	II
56	0	56	-	57	0	57	-	1073.5241	76.8	1	I
56	0	56	+	57	0	57	+	1073.5241	76.8	2	I
42	23	19	+	43	23	20	+	1073.5327	90.7	-3	II
47	16	32	-	48	16	33	-	1073.5639	3.7	1	II
48	14	34	+	49	14	35	+	1073.5925	61.7	1	II
48	14	34	-	49	14	35	-	1073.5979	68.4	0	II
41	24	18	+	42	24	19	+	1073.6100	85.2	-5	II
64	7	57	-	65	7	58	-	1073.6150	87.4	-2	II
50	5	45	+	51	5	46	+	1073.6768	26.6	-6	II
50	5	45	-	51	5	46	-	1073.6805	29.9	-5	II
39	26	14	-	40	26	15	-	1073.6926	82.3	-1	II
49	11	39	+	50	11	40	+	1073.7610	53.2	1	II
49	11	39	-	50	11	40	-	1073.7628	53.3	-2	II
33	31	3	-	34	31	4	-	1073.9221	90.3	-3	II
48	13	35	+	49	13	36	+	1073.9430	59.0	0	II
48	13	35	-	49	13	36	-	1073.9472	60.5	-1	II
47	15	33	+	48	15	34	+	1073.9724	68.6	6	II
47	15	33	-	48	15	34	-	1073.9789	68.7	3	II
49	10	40	-	50	10	41	-	1073.9928	35.8	-8	II
49	10	40	+	50	10	41	+	1073.9928	35.8	4	II
51	5	47	+	52	5	48	+	1074.0053	91.2	16	I
51	5	47	-	52	5	48	-	1074.0053	91.2	5	I
52	3	49	-	53	3	50	-	1074.0181	92.7	-14	I
52	3	49	+	53	3	50	+	1074.0181	92.7	-7	I
53	3	51	+	54	3	52	+	1074.0770	88.5	-1	I
53	3	51	-	54	3	52	-	1074.0770	88.5	-3	I
54	1	53	-	55	1	54	-	1074.1470	89.7	0	II
54	1	53	+	55	1	54	+	1074.1470	89.7	0	II
49	9	41	+	50	9	42	+	1074.1750	76.4	8	I
55	1	55	+	56	1	56	+	1074.2383	86.5	0	II
55	1	55	-	56	1	56	-	1074.2383	86.5	-2	II
48	12	36	+	49	12	37	+	1074.2591	57.8	0	II
48	12	36	-	49	12	37	-	1074.2623	56.5	-1	II
41	23	19	-	42	23	20	-	1074.2843	76.0	-12	II
49	8	42	+	50	8	43	+	1074.3152	88.1	0	I
49	8	42	-	50	8	43	-	1074.3152	88.1	1	I
47	14	34	+	48	14	35	+	1074.3572	64.8	2	II
47	14	34	-	48	14	35	-	1074.3626	64.4	1	II
39	25	15	+	40	25	16	+	1074.3763	80.5	9	II
64	3	61	+	64	5	60	+	1074.3895	71.8	-1	II
10	4	6	+	11	6	5	+	1074.4593	94.0	3	I
49	7	43	-	50	7	44	-	1074.4939	85.7	-2	I
49	7	43	+	50	7	44	+	1074.4939	85.7	-5	I
48	11	37	+	49	11	38	+	1074.5381	15.3	5	II
50	4	46	+	51	4	47	+	1074.6265	37.3	-9	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
50	4	46	—	51	4	47	—	1074.6299	21.5	3	II
48	6	42	—	49	6	43	—	1074.6465	89.2	2	I
48	6	42	+	49	6	43	+	1074.6465	89.2	-5	I
59	2	58	—	59	2	57	—	1074.6761	52.2	0	II
47	13	35	+	48	13	36	+	1074.7100	57.1	1	II
47	13	35	—	48	13	36	—	1074.7143	56.7	0	II
59	2	58	+	59	2	57	+	1074.7201	88.5	-5	II
46	15	31	—	47	15	32	—	1074.7385	64.9	4	II
51	4	48	+	52	4	49	+	1074.7411	91.5	-6	I
51	4	48	—	52	4	49	—	1074.7411	91.5	-12	I
42	21	21	+	43	21	22	+	1074.7524	86.5	-6	II
48	10	38	+	49	10	39	+	1074.7733	31.1	5	II
48	10	38	—	49	10	39	—	1074.7733	31.1	-7	II
52	2	50	+	53	2	51	+	1074.7918	89.8	0	I
52	2	50	—	53	2	51	—	1074.7918	89.8	-2	I
48	7	41	—	49	7	42	—	1074.8519	29.1	-3	II
48	7	41	+	49	7	42	+	1074.8560	6.7	1	II
49	6	44	+	50	6	45	+	1074.8561	83.1	-1	I
49	6	44	—	50	6	45	—	1074.8561	83.1	-7	I
53	2	52	—	54	2	53	—	1074.8606	87.3	1	I
53	2	52	+	54	2	53	+	1074.8606	87.3	1	I
61	3	59	+	61	3	58	+	1074.8656	74.0	10	II
41	22	20	+	42	22	21	+	1074.8887	74.8	-6	I
41	22	20	—	42	22	21	—	1074.9085	85.6	-7	II
48	9	39	—	49	9	40	—	1074.9503	84.6	-18	I
48	9	39	+	49	9	40	+	1074.9503	84.6	-17	I
54	0	54	—	55	0	55	—	1074.9503	84.6	2	I
54	0	54	+	55	0	55	+	1074.9503	84.6	3	I
68	3	65	—	67	5	62	—	1074.9503	84.6	1	I
48	8	40	—	49	8	41	—	1075.0254	83.6	5	I
48	8	40	+	49	8	41	+	1075.0254	83.6	-10	I
47	12	36	+	48	12	37	+	1075.0288	16.6	1	II
47	12	36	—	48	12	37	—	1075.0320	50.3	-2	II
45	16	30	—	46	16	31	—	1075.0764	70.2	6	II
48	5	43	+	49	5	44	+	1075.0899	90.3	-3	I
48	5	43	—	49	5	44	—	1075.0930	90.7	-1	I
46	14	32	+	47	14	33	+	1075.1185	58.4	3	II
46	14	32	—	47	14	33	—	1075.1239	61.0	-1	II
16	5	11	+	16	7	10	+	1075.1594	82.2	-2	II
47	11	37	+	48	11	38	+	1075.3105	44.9	-1	II
47	11	37	—	48	11	38	—	1075.3128	46.7	-2	II
50	3	47	—	51	3	48	—	1075.4466	86.7	9	I
50	3	47	+	51	3	48	+	1075.4466	86.7	17	I
49	5	45	—	50	5	46	—	1075.4490	26.4	-2	II
46	13	33	+	47	13	34	+	1075.4726	26.0	-7	II
46	13	33	—	47	13	34	—	1075.4785	6.4	5	II
45	15	31	+	46	15	32	+	1075.4870	41.2	0	II
41	21	21	+	42	21	22	+	1075.4870	41.2	0	II
41	21	21	—	42	21	22	—	1075.5044	85.7	-8	I
51	3	49	—	52	3	50	—	1075.5044	85.7	-2	I
51	3	49	+	52	3	50	+	1075.5044	85.7	1	I
47	10	38	+	48	10	39	+	1075.5506	14.5	-3	II
52	1	51	—	53	1	52	—	1075.5712	87.1	0	I
52	1	51	+	53	1	52	+	1075.5712	87.1	0	I
33	29	5	—	34	29	6	—	1075.6277	54.3	-1	II
53	1	53	+	54	1	54	+	1075.6592	83.9	2	I
53	1	53	—	54	1	54	—	1075.6592	83.9	1	I
47	9	39	—	48	9	40	—	1075.7437	84.7	1	I
47	9	39	+	48	9	40	+	1075.7437	84.7	4	I
35	27	9	+	36	27	10	+	1075.7665	56.0	1	II
38	24	14	+	39	24	15	+	1075.7807	91.6	1	II
46	12	34	+	47	12	35	+	1075.7948	50.0	0	II
46	12	34	—	47	12	35	—	1075.7981	44.8	-3	II
38	24	14	—	39	24	15	—	1075.8066	80.4	-5	II
37	25	13	+	38	25	14	+	1075.8103	94.8	0	II
44	16	28	+	45	16	29	+	1075.8188	63.6	6	II
44	16	28	—	45	16	29	—	1075.8274	67.3	3	II
45	14	32	+	46	14	33	+	1075.8762	56.9	1	II
45	14	32	—	46	14	33	—	1075.8817	25.6	-3	II
47	8	40	+	48	8	41	+	1075.8895	70.5	5	I
47	8	40	—	48	8	41	—	1075.8895	70.5	3	I
48	4	44	+	49	4	45	+	1076.0206	91.0	-7	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
48	4	44	—	49	4	45	—	1076.0240	91.2	1	I
47	7	41	+	48	7	42	+	1076.0447	86.0	-4	I
47	7	41	—	48	7	42	—	1076.0447	86.0	1	I
41	20	22	+	42	20	23	+	1076.0557	62.6	-11	II
46	11	35	+	47	11	36	+	1076.0799	43.4	0	II
46	11	35	—	47	11	36	—	1076.0822	42.6	-2	II
49	4	46	+	50	4	47	+	1076.1667	89.3	-4	I
49	4	46	—	50	4	47	—	1076.1667	89.3	-11	I
50	2	48	+	51	2	49	+	1076.2133	87.4	1	I
50	2	48	—	51	2	49	—	1076.2133	87.4	-2	I
45	13	33	+	46	13	34	+	1076.2335	51.5	1	II
45	13	33	—	46	13	34	—	1076.2383	45.9	0	II
44	15	29	—	45	15	30	—	1076.2473	62.8	1	II
46	6	40	—	47	6	41	—	1076.2671	88.8	-1	I
46	6	40	+	47	6	41	+	1076.2700	89.8	2	I
51	2	50	+	52	2	51	+	1076.2791	84.0	0	I
51	2	50	—	52	2	51	—	1076.2791	84.0	0	I
59	3	57	—	59	3	56	—	1076.3179	95.7	-3	II
46	10	36	—	47	10	37	—	1076.3247	25.6	-6	II
46	10	36	+	47	10	37	+	1076.3247	25.6	8	II
47	6	42	+	48	6	43	+	1076.3489	85.5	-1	I
47	6	42	—	48	6	43	—	1076.3489	85.5	-4	I
52	0	52	—	53	0	53	—	1076.3653	78.6	1	I
52	0	52	+	53	0	53	+	1076.3653	78.6	1	I
33	28	6	+	34	28	7	+	1076.3915	97.6	-2	II
38	23	15	+	39	23	16	+	1076.4389	90.9	0	II
46	9	37	—	47	9	38	—	1076.5176	86.7	-1	I
46	9	37	+	47	9	38	+	1076.5176	86.7	3	I
46	5	41	—	47	5	42	—	1076.5283	81.0	1	I
46	5	41	+	47	5	42	+	1076.5283	81.0	20	I
46	7	39	—	47	7	40	—	1076.5283	81.0	-8	I
46	7	39	+	47	7	40	+	1076.5327	90.0	1	I
45	12	34	+	46	12	35	+	1076.5583	92.2	8	I
43	16	28	+	44	16	29	+	1076.5668	64.4	7	II
43	16	28	—	44	16	29	—	1076.5755	55.5	2	II
46	8	38	+	47	8	39	+	1076.6261	86.8	-5	I
46	8	38	—	47	8	39	—	1076.6261	86.8	5	I
44	14	30	+	45	14	31	+	1076.6308	53.2	1	II
44	14	30	—	45	14	31	—	1076.6369	54.8	0	II
61	4	58	+	61	4	57	+	1076.7311	92.4	-5	II
45	11	35	+	46	11	36	+	1076.8455	39.4	0	II
45	11	35	—	46	11	36	—	1076.8481	36.1	-1	II
48	3	45	—	49	3	46	—	1076.8587	73.7	-5	I
48	3	45	+	49	3	46	+	1076.8587	73.7	4	I
47	5	43	—	48	5	44	—	1076.8886	87.3	-1	II
47	5	43	+	48	5	44	+	1076.8886	87.3	8	II
49	3	47	—	50	3	48	—	1076.9205	85.9	-4	I
49	3	47	+	50	3	48	+	1076.9205	85.9	-2	I
39	21	19	+	40	21	20	+	1076.9460	83.3	-3	II
50	1	49	+	51	1	50	+	1076.9844	84.1	0	II
50	1	49	—	51	1	50	—	1076.9844	84.1	0	II
43	15	29	+	44	15	30	+	1076.9899	30.7	6	II
44	13	31	+	45	13	32	+	1076.9899	30.7	-3	II
44	13	31	—	45	13	32	—	1076.9951	44.2	-1	II
43	15	29	—	44	15	30	—	1076.9971	48.1	1	II
51	1	51	—	52	1	52	—	1077.0687	81.1	0	I
51	1	51	+	52	1	52	+	1077.0687	81.1	1	I
45	10	36	—	46	10	37	—	1077.0949	89.9	-6	I
45	10	36	+	46	10	37	+	1077.0949	89.9	10	I
37	23	15	+	38	23	16	+	1077.1584	88.6	0	II
37	23	15	—	38	23	16	—	1077.1837	90.4	0	II
33	27	7	—	34	27	8	—	1077.2137	90.4	1	II
36	24	12	+	37	24	13	+	1077.2137	90.4	1	II
35	25	11	+	36	25	12	+	1077.2347	93.2	2	II
36	24	12	—	37	24	13	—	1077.2423	93.3	1	II
35	25	11	—	36	25	12	—	1077.2669	87.1	1	II
45	9	37	—	46	9	38	—	1077.2968	85.1	-1	I
45	9	37	+	46	9	38	+	1077.2968	85.1	4	I
42	16	26	+	43	16	27	+	1077.3112	47.3	4	II
44	12	32	+	45	12	33	+	1077.3167	88.8	1	II
44	12	32	—	45	12	33	—	1077.3204	88.6	0	I
42	16	26	—	43	16	27	—	1077.3204	88.6	1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
43	14	30	+	44	14	31	+	1077.3821	47.7	1	II
43	14	30	-	44	14	31	-	1077.3885	28.3	0	II
46	4	42	+	47	4	43	+	1077.3960	88.8	-6	I
46	4	42	-	47	4	43	-	1077.3995	89.0	0	I
45	8	38	-	46	8	39	-	1077.4511	67.5	8	I
45	8	38	+	46	8	39	+	1077.4511	67.5	4	I
54	6	48	+	54	8	47	+	1077.5150	83.7	3	II
47	4	44	-	48	4	45	-	1077.5823	86.5	-10	I
47	4	44	+	48	4	45	+	1077.5823	86.5	-3	I
45	7	39	-	46	7	40	-	1077.5915	79.7	3	I
45	7	39	+	46	7	40	+	1077.5915	79.7	-4	I
44	11	33	-	45	11	34	-	1077.6106	78.6	2	I
48	2	46	-	49	2	47	-	1077.6234	82.6	-3	I
48	2	46	+	49	2	47	+	1077.6234	82.6	-1	I
38	21	17	+	39	21	18	+	1077.6715	83.3	-1	II
49	2	48	+	50	2	49	+	1077.6870	81.7	1	I
49	2	48	-	50	2	49	-	1077.6870	81.7	1	I
42	15	27	+	43	15	28	+	1077.7355	46.2	0	II
42	15	27	-	43	15	28	-	1077.7436	25.4	-1	II
43	13	31	+	44	13	32	+	1077.7436	25.4	1	II
43	13	31	-	44	13	32	-	1077.7485	94.9	-2	I
66	6	60	-	66	8	59	-	1077.7593	93.2	-2	II
50	0	50	+	51	0	51	+	1077.7695	79.3	0	I
50	0	50	-	51	0	51	-	1077.7695	79.3	0	I
45	6	40	-	46	6	41	-	1077.8438	80.1	-1	I
45	6	40	+	46	6	41	+	1077.8438	80.1	-2	I
44	10	34	+	45	10	35	+	1077.8597	24.0	2	II
44	10	34	-	45	10	35	-	1077.8609	24.5	-3	II
36	23	13	-	37	23	14	-	1077.9021	76.6	6	II
44	6	38	-	45	6	39	-	1077.9089	88.6	0	I
44	6	38	+	45	6	39	+	1077.9125	88.1	1	I
35	24	12	-	36	24	13	-	1077.9560	89.4	2	II
33	26	8	-	34	26	9	-	1077.9631	94.0	3	II
44	5	39	+	45	5	40	+	1077.9942	78.0	2	I
44	5	39	-	45	5	40	-	1077.9942	78.0	-5	I
41	16	26	+	42	16	27	+	1078.0529	55.3	5	II
44	9	35	-	45	9	36	-	1078.0650	83.5	-3	I
44	9	35	+	45	9	36	+	1078.0650	83.5	3	I
43	12	32	+	44	12	33	+	1078.0722	93.1	0	I
43	12	32	-	44	12	33	-	1078.0761	93.1	-1	II
42	14	28	+	43	14	29	+	1078.1301	46.3	1	II
42	14	28	-	43	14	29	-	1078.1367	45.2	-1	II
44	7	37	-	45	7	38	-	1078.1730	88.8	2	I
44	8	36	+	45	8	37	+	1078.2000	82.6	-4	II
44	8	36	-	45	8	37	-	1078.2000	82.6	3	II
38	20	18	+	39	20	19	+	1078.2457	77.6	-2	II
46	3	43	-	47	3	44	-	1078.2591	13.8	3	II
45	5	41	-	46	5	42	-	1078.3253	69.7	1	I
47	3	45	+	48	3	46	+	1078.3253	69.7	-7	I
45	5	41	+	46	5	42	+	1078.3253	69.7	8	I
47	3	45	-	48	3	46	-	1078.3253	69.7	-10	I
43	11	33	+	44	11	34	+	1078.3661	91.6	1	I
43	11	33	-	44	11	34	-	1078.3691	90.2	2	I
48	1	47	+	49	1	48	+	1078.3866	75.8	0	I
48	1	47	-	49	1	48	-	1078.3866	75.8	0	I
37	21	17	+	38	21	18	+	1078.3941	79.2	0	II
37	21	17	-	38	21	18	-	1078.4151	74.8	-1	II
49	1	49	-	50	1	50	-	1078.4674	76.6	0	I
49	1	49	+	50	1	50	+	1078.4674	76.6	0	I
41	15	27	+	42	15	28	+	1078.4789	47.8	2	II
41	15	27	-	42	15	28	-	1078.4872	45.5	1	II
42	13	29	-	43	13	30	-	1078.4988	93.7	-1	I
36	22	14	-	37	22	15	-	1078.5325	85.1	-1	II
35	23	13	+	36	23	14	+	1078.5895	63.2	6	II
39	18	22	-	40	18	23	-	1078.5946	85.4	7	II
35	23	13	-	36	23	14	-	1078.6166	86.5	1	II
43	10	34	+	44	10	35	+	1078.6218	22.1	1	II
43	10	34	-	44	10	35	-	1078.6231	22.4	-3	II
34	24	10	+	35	24	11	+	1078.6357	91.6	2	II
33	25	9	+	34	25	10	+	1078.6492	76.0	13	II
34	24	10	-	35	24	11	-	1078.6665	86.4	-2	II
44	4	40	+	45	4	41	+	1078.7568	84.7	-5	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
38	19	19	+	39	19	20	+	1078.7912	40.2	-6	II
40	16	24	+	41	16	25	+	1078.7912	40.2	4	II
40	16	24	-	41	16	25	-	1078.8011	49.4	0	II
42	12	30	+	43	12	31	+	1078.8241	91.9	-3	I
42	12	30	-	43	12	31	-	1078.8286	91.9	0	II
43	9	35	-	44	9	36	-	1078.8340	83.1	-4	I
43	9	35	+	44	9	36	+	1078.8340	83.1	3	I
41	14	28	+	42	14	29	+	1078.8749	42.9	1	II
41	14	28	-	42	14	29	-	1078.8818	45.2	-1	II
58	6	52	+	58	8	51	+	1078.9409	93.9	4	II
45	4	42	-	46	4	43	-	1078.9889	78.5	-7	I
45	4	42	+	46	4	43	+	1078.9889	78.5	-1	I
43	8	36	-	44	8	37	-	1078.9970	79.5	0	I
43	8	36	+	44	8	37	+	1078.9970	79.5	-2	I
46	2	44	+	47	2	45	+	1079.0225	80.9	1	II
46	2	44	-	47	2	45	-	1079.0225	80.9	-2	II
47	2	46	-	48	2	47	-	1079.0836	75.4	0	I
47	2	46	+	48	2	47	+	1079.0836	75.4	0	I
36	21	15	+	37	21	16	+	1079.1135	78.1	-2	II
42	11	31	+	43	11	32	+	1079.1209	90.9	0	I
42	11	31	-	43	11	32	-	1079.1241	90.3	1	I
43	7	37	-	44	7	38	-	1079.1316	78.9	3	I
43	7	37	+	44	7	38	+	1079.1316	78.9	-4	I
36	21	15	-	37	21	16	-	1079.1364	25.5	8	II
48	0	48	-	49	0	49	-	1079.1627	75.0	0	I
48	0	48	+	49	0	49	+	1079.1627	75.0	0	I
29	28	2	-	30	28	3	-	1079.2187	47.8	-1	II
40	15	25	+	41	15	26	+	1079.2187	47.8	1	II
35	22	14	+	36	22	15	+	1079.2238	85.6	0	II
40	15	25	-	41	15	26	-	1079.2273	49.6	0	II
41	13	29	+	42	13	30	+	1079.2401	93.1	0	I
41	13	29	-	42	13	30	-	1079.2458	93.7	0	I
55	3	53	-	55	3	52	-	1079.2948	98.6	1	I
34	23	11	+	35	23	12	+	1079.3000	89.2	0	II
30	27	3	-	31	27	4	-	1079.3101	91.8	3	II
31	26	6	+	32	26	7	+	1079.3241	92.3	0	II
34	23	11	-	35	23	12	-	1079.3285	76.3	-3	II
43	6	38	-	44	6	39	-	1079.3401	75.3	0	I
55	3	53	+	55	3	52	+	1079.3401	75.3	4	I
43	6	38	+	44	6	39	+	1079.3401	75.3	-4	I
32	25	7	+	33	25	8	+	1079.3507	83.0	2	II
31	26	6	-	32	26	7	-	1079.3650	47.8	-8	II
42	10	32	+	43	10	33	+	1079.3796	82.8	-2	I
42	10	32	-	43	10	33	-	1079.3817	85.0	0	I
42	5	37	+	43	5	38	+	1079.4952	73.0	-1	I
37	19	19	+	38	19	20	+	1079.5172	15.0	2	II
39	16	24	+	40	16	25	+	1079.5264	51.8	3	II
39	16	24	-	40	16	25	-	1079.5369	49.7	2	II
42	6	36	-	43	6	37	-	1079.5576	85.0	0	I
42	6	36	+	43	6	37	+	1079.5618	85.6	1	I
41	12	30	+	42	12	31	+	1079.5732	91.8	0	I
41	12	30	-	42	12	31	-	1079.5775	91.6	-1	I
42	9	33	+	43	9	34	+	1079.5957	81.4	5	I
42	9	33	-	43	9	34	-	1079.5957	81.4	-3	I
40	14	26	+	41	14	27	+	1079.6165	39.2	1	II
40	14	26	-	41	14	27	-	1079.6236	42.0	-1	II
44	3	41	+	45	3	42	+	1079.6415	84.1	-4	I
44	3	41	-	45	3	42	-	1079.6434	84.6	2	I
62	5	57	-	62	7	56	-	1079.6901	60.3	1	II
36	20	16	+	37	20	17	+	1079.6903	60.3	-3	II
36	20	16	-	37	20	17	-	1079.7099	72.5	-5	II
45	3	43	-	46	3	44	-	1079.7206	79.0	-2	I
45	3	43	+	46	3	44	+	1079.7206	79.0	1	I
42	8	34	+	43	8	35	+	1079.7509	77.2	-2	I
42	8	34	-	43	8	35	-	1079.7509	77.2	1	I
43	5	39	+	44	5	40	+	1079.7599	78.2	0	I
43	5	39	-	44	5	40	-	1079.7599	78.2	-4	I
46	1	45	+	47	1	46	+	1079.7779	74.8	1	I
46	1	45	-	47	1	46	-	1079.7779	74.8	1	I
42	7	35	+	43	7	36	+	1079.7809	83.8	-20	I
42	7	35	-	43	7	36	-	1079.7809	83.8	3	I
35	21	15	+	36	21	16	+	1079.8303	80.3	0	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
47	1	47	+	48	1	48	+	1079.8552	72.8	0	I
47	1	47	-	48	1	48	-	1079.8552	72.8	0	I
41	11	31	+	42	11	32	+	1079.8713	77.7	-9	I
41	11	31	-	42	11	32	-	1079.8753	89.6	-1	I
29	27	3	+	30	27	4	+	1079.9554	45.6	13	II
39	15	25	+	40	15	26	+	1079.9554	45.6	1	II
40	13	27	+	41	13	28	+	1079.9833	92.7	-1	I
40	13	27	-	41	13	28	-	1079.9892	92.9	-1	I
29	27	3	-	30	27	4	-	1080.0031	91.6	-6	II
33	23	11	+	34	23	12	+	1080.0092	66.3	10	II
31	25	7	+	32	25	8	+	1080.0494	41.4	-9	II
30	26	4	-	31	26	5	-	1080.0641	82.0	5	II
31	25	7	-	32	25	8	-	1080.0895	93.6	4	II
68	7	61	+	69	9	60	+	1080.1124	83.8	1	I
42	4	38	+	43	4	39	+	1080.1124	83.8	-3	I
42	4	38	-	43	4	39	-	1080.1156	83.5	0	I
41	10	32	-	42	10	33	-	1080.1363	88.0	-1	I
36	19	17	+	37	19	18	+	1080.2389	66.1	-2	II
38	16	22	+	39	16	23	+	1080.2584	47.9	2	II
38	16	22	-	39	16	23	-	1080.2693	51.0	0	II
40	12	28	-	41	12	29	-	1080.3230	87.1	-1	II
41	9	33	-	42	9	34	-	1080.3552	77.1	-8	I
41	9	33	+	42	9	34	+	1080.3552	77.1	2	I
39	14	26	-	40	14	27	-	1080.3621	36.8	-1	II
43	4	40	-	44	4	41	-	1080.3873	72.8	-4	I
43	4	40	+	44	4	41	+	1080.3873	72.8	3	I
44	2	42	-	45	2	43	-	1080.4102	72.8	-1	I
44	2	42	+	45	2	43	+	1080.4102	72.8	3	I
45	2	44	-	46	2	45	-	1080.4695	73.6	1	I
45	2	44	+	46	2	45	+	1080.4695	73.6	0	I
41	8	34	+	42	8	35	+	1080.5283	74.8	-1	I
41	8	34	-	42	8	35	-	1080.5283	74.8	0	I
51	2	50	+	51	2	49	+	1080.5283	74.8	-6	I
46	0	46	+	47	0	47	+	1080.5448	69.7	-1	I
46	0	46	-	47	0	47	-	1080.5448	69.7	0	I
34	21	13	+	35	21	14	+	1080.5448	69.7	6	I
34	21	13	-	35	21	14	-	1080.5679	80.1	-1	II
40	11	29	+	41	11	30	+	1080.6198	88.0	-1	I
40	11	29	-	41	11	30	-	1080.6233	90.0	-1	I
33	22	12	+	34	22	13	+	1080.6454	69.1	-4	II
41	7	35	-	42	7	36	-	1080.6625	72.4	1	I
33	22	12	-	34	22	13	-	1080.6733	72.6	0	II
38	15	23	+	39	15	24	+	1080.6890	37.8	1	II
38	15	23	-	39	15	24	-	1080.6982	42.7	-1	II
39	13	27	+	40	13	28	+	1080.7233	92.2	0	I
39	13	27	-	40	13	28	-	1080.7297	90.7	2	I
32	23	9	-	33	23	10	-	1080.7455	84.6	3	II
30	25	5	+	31	25	6	+	1080.7477	83.9	3	II
31	24	8	+	32	24	9	+	1080.7477	83.9	1	II
31	24	8	-	32	24	9	-	1080.7838	91.9	2	II
30	25	5	-	31	25	6	-	1080.7885	49.9	3	II
59	5	55	-	59	5	54	-	1080.8322	85.2	-2	II
41	6	36	+	42	6	37	+	1080.8370	72.5	-4	I
41	6	36	-	42	6	37	-	1080.8370	72.5	3	I
40	10	30	+	41	10	31	+	1080.8850	86.8	-1	I
35	19	17	+	36	19	18	+	1080.9580	68.1	-3	II
35	19	17	-	36	19	18	-	1080.9763	34.7	-6	II
37	16	22	-	38	16	23	-	1080.9988	94.8	0	I
42	3	39	+	43	3	40	+	1081.0090	81.4	-4	I
42	3	39	-	43	3	40	-	1081.0113	81.1	4	I
40	5	35	-	41	5	36	-	1081.0271	54.4	6	I
40	5	35	+	41	5	36	+	1081.0271	54.4	-13	I
39	12	28	+	40	12	29	+	1081.0603	90.0	0	I
39	12	28	-	40	12	29	-	1081.0653	80.0	1	I
38	14	24	+	39	14	25	+	1081.0893	89.3	-3	I
38	14	24	-	39	14	25	-	1081.0979	88.7	4	I
43	3	41	-	44	3	42	-	1081.1044	74.7	-1	I
43	3	41	+	44	3	42	+	1081.1044	74.7	1	I
40	9	31	+	41	9	32	+	1081.1097	79.6	4	II
40	9	31	-	41	9	32	-	1081.1097	79.6	-7	II
44	1	43	-	45	1	44	-	1081.1581	70.0	1	I
44	1	43	+	45	1	44	+	1081.1581	70.0	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
41	5	37	+	42	5	38	+	1081.1957	69.6	1	I
41	5	37	-	42	5	38	-	1081.1957	69.6	-1	I
40	6	34	-	41	6	35	-	1081.1957	69.6	-20	I
40	6	34	+	41	6	35	+	1081.2018	81.8	1	I
45	1	45	-	46	1	46	-	1081.2319	66.2	0	I
45	1	45	+	46	1	46	+	1081.2319	66.2	-1	I
33	21	13	+	34	21	14	+	1081.2549	76.9	0	II
40	8	32	-	41	8	33	-	1081.2809	73.0	0	I
33	21	13	-	34	21	14	-	1081.2809	73.0	9	I
40	8	32	+	41	8	33	+	1081.2809	73.0	-1	I
27	27	1	+	28	27	2	+	1081.3290	84.5	1	II
40	7	33	+	41	7	34	+	1081.3546	71.4	-16	I
40	7	33	-	41	7	34	-	1081.3546	71.4	1	I
55	4	52	-	55	4	51	-	1081.3640	18.8	3	II
39	11	29	+	40	11	30	+	1081.3640	88.7	-1	I
39	11	29	-	40	11	30	-	1081.3676	88.7	-1	II
28	26	2	+	29	26	3	+	1081.4026	89.6	-3	II
37	15	23	+	38	15	24	+	1081.4193	93.3	2	I
37	15	23	-	38	15	24	-	1081.4295	92.2	5	I
30	24	6	+	31	24	7	+	1081.4462	87.5	1	II
38	13	25	+	39	13	26	+	1081.4600	91.0	0	I
38	13	25	-	39	13	26	-	1081.4664	91.2	0	I
40	4	36	+	41	4	37	+	1081.4760	78.8	1	I
40	4	36	-	41	4	37	-	1081.4780	77.4	-1	I
39	10	30	+	40	10	31	+	1081.6321	85.9	0	I
39	10	30	-	40	10	31	-	1081.6344	86.6	-1	I
34	19	15	+	35	19	16	+	1081.6740	35.1	-5	II
34	19	15	-	35	19	16	-	1081.6935	59.0	-4	II
36	16	20	+	37	16	21	+	1081.7135	34.5	4	II
36	16	20	-	37	16	21	-	1081.7251	46.2	0	II
41	4	38	+	42	4	39	+	1081.7777	69.8	-3	I
42	2	40	+	43	2	41	+	1081.7858	73.4	2	I
42	2	40	-	43	2	41	-	1081.7858	73.4	-3	I
38	12	26	+	39	12	27	+	1081.7991	83.9	4	II
38	12	26	-	39	12	27	-	1081.8039	89.1	1	I
37	14	24	+	38	14	25	+	1081.8216	76.8	3	I
37	14	24	-	38	14	25	-	1081.8295	76.8	-1	I
33	20	14	+	34	20	15	+	1081.8354	69.8	0	II
43	2	42	-	44	2	43	-	1081.8443	68.7	1	I
43	2	42	+	44	2	43	+	1081.8443	68.7	0	I
39	9	31	+	40	9	32	+	1081.8612	78.9	6	I
39	9	31	-	40	9	32	-	1081.8612	78.9	-7	I
44	0	44	+	45	0	45	+	1081.9161	65.1	-1	I
44	0	44	-	45	0	45	-	1081.9161	65.1	0	I
32	21	11	+	33	21	12	+	1081.9625	73.5	-2	II
39	8	32	-	40	8	33	-	1082.0437	71.0	-1	I
39	8	32	+	40	8	33	+	1082.0437	71.0	1	I
31	22	10	+	32	22	11	+	1082.0567	73.8	3	II
38	11	27	+	39	11	28	+	1082.1049	82.9	2	I
38	11	27	-	39	11	28	-	1082.1080	84.8	-5	I
28	25	3	+	29	25	4	+	1082.1325	35.1	-8	II
29	24	6	+	30	24	7	+	1082.1420	90.0	2	II
27	26	2	-	28	26	3	-	1082.1420	90.0	2	II
36	15	21	+	37	15	22	+	1082.1466	32.7	3	II
36	15	21	-	37	15	22	-	1082.1565	32.0	-1	II
28	25	3	-	29	25	4	-	1082.1778	84.9	-9	II
39	7	33	+	40	7	34	+	1082.1826	68.5	-4	I
39	7	33	-	40	7	34	-	1082.1826	68.5	3	I
29	24	6	-	30	24	7	-	1082.1826	68.5	9	I
37	13	25	+	38	13	26	+	1082.1932	90.5	0	I
37	13	25	-	38	13	26	-	1082.1999	90.5	-1	I
39	6	34	+	40	6	35	+	1082.3323	68.0	-5	I
39	6	34	-	40	6	35	-	1082.3323	68.0	4	I
40	3	37	+	41	3	38	+	1082.3584	76.9	-4	I
40	3	37	-	41	3	38	-	1082.3609	78.5	3	I
38	10	28	+	39	10	29	+	1082.3756	84.3	1	I
38	10	28	-	39	10	29	-	1082.3780	84.3	-1	I
33	19	15	-	34	19	16	-	1082.4076	63.2	-3	II
35	16	20	+	36	16	21	+	1082.4359	41.8	1	II
35	16	20	-	36	16	21	-	1082.4484	43.7	0	II
41	3	39	-	42	3	40	-	1082.4776	70.6	-3	I
41	3	39	+	42	3	40	+	1082.4776	70.6	1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
42	1	41	+	43	1	42	+	1082.5273	66.4	0	I
42	1	41	-	43	1	42	-	1082.5273	66.4	1	I
37	12	26	+	38	12	27	+	1082.5338	88.4	0	I
37	12	26	-	38	12	27	-	1082.5392	88.5	0	I
32	20	12	+	33	20	13	+	1082.5438	67.2	-6	I
1 36	14	22	+	37	14	23	+	1082.5498	91.0	0	I
36	14	22	-	37	14	23	-	1082.5585	90.7	0	I
32	20	12	-	33	20	13	-	1082.5682	72.2	-2	II
38	5	33	-	39	5	34	-	1082.5852	77.8	0	I
43	1	43	+	44	1	44	+	1082.5976	62.7	-1	I
43	1	43	-	44	1	44	-	1082.5976	62.7	0	I
38	9	29	+	39	9	30	+	1082.6089	51.7	16	I
38	9	29	-	39	9	30	-	1082.6089	51.7	2	I
39	5	35	+	40	5	36	+	1082.6326	65.6	-2	I
39	5	35	-	40	5	36	-	1082.6326	65.6	-1	I
57	5	53	-	57	5	52	-	1082.6458	95.2	11	II
31	21	11	+	32	21	12	+	1082.6684	45.5	6	II
34	17	17	-	35	17	18	-	1082.7058	94.3	0	I
38	8	30	-	39	8	31	-	1082.7920	68.8	-1	I
38	8	30	+	39	8	31	+	1082.7920	68.8	1	I
38	6	32	-	39	6	33	-	1082.8143	79.3	0	I
38	6	32	+	39	6	33	+	1082.8179	79.5	0	I
26	26	0	-	27	26	1	-	1082.8293	93.5	-3	II
28	24	4	+	29	24	5	+	1082.8354	90.0	6	II
37	11	27	+	38	11	28	+	1082.8418	81.7	0	I
37	11	27	-	38	11	28	-	1082.8458	63.9	0	I
29	23	7	-	30	23	8	-	1082.8500	62.9	5	II
38	4	34	-	39	4	35	-	1082.8604	67.5	-6	I
38	4	34	+	39	4	35	+	1082.8604	67.5	6	I
35	15	21	+	36	15	22	+	1082.8692	76.8	-10	I
38	7	31	-	39	7	32	-	1082.8988	70.0	6	I
38	7	31	+	39	7	32	+	1082.8988	70.0	-6	I
36	13	23	+	37	13	24	+	1082.9231	87.2	-1	I
36	13	23	-	37	13	24	-	1082.9303	89.5	-1	I
53	4	50	+	53	4	49	+	1083.0029	80.4	-3	II
32	19	13	+	33	19	14	+	1083.0975	50.3	-2	II
37	10	28	+	38	10	29	+	1083.1149	77.1	-3	I
37	10	28	-	38	10	29	-	1083.1182	80.5	2	I
40	2	38	-	41	2	39	-	1083.1490	69.4	-5	I
40	2	38	+	41	2	39	+	1083.1490	69.4	1	I
34	16	18	+	35	16	19	+	1083.1554	36.4	0	II
39	4	36	+	40	4	37	+	1083.1637	68.3	2	I
39	4	36	-	40	4	37	-	1083.1637	68.3	-3	I
34	16	18	-	35	16	19	-	1083.1686	38.2	0	II
41	2	40	-	42	2	41	-	1083.2081	63.4	0	I
41	2	40	+	42	2	41	+	1083.2081	63.4	0	I
31	20	12	+	32	20	13	+	1083.2507	61.5	0	II
36	12	24	+	37	12	25	+	1083.2653	86.3	-2	I
36	12	24	-	37	12	25	-	1083.2711	87.8	0	I
42	0	42	+	43	0	43	+	1083.2762	56.7	-2	I
42	0	42	-	43	0	43	-	1083.2762	56.7	-1	I
35	14	22	-	36	14	23	-	1083.2841	91.4	-1	II
37	9	29	+	38	9	30	+	1083.3513	77.9	6	I
37	9	29	-	38	9	30	-	1083.3513	77.9	-10	I
30	21	9	+	31	21	10	+	1083.3698	65.2	0	II
33	17	17	+	34	17	18	+	1083.4062	38.6	3	II
33	17	17	-	34	17	18	-	1083.4219	41.5	0	II
29	22	8	-	30	22	9	-	1083.4890	84.3	1	II
26	25	1	+	27	25	2	+	1083.5085	73.2	2	II
27	24	4	+	28	24	5	+	1083.5248	93.1	0	II
37	8	30	+	38	8	31	+	1083.5431	68.4	2	II
37	8	30	-	38	8	31	-	1083.5431	68.4	-3	II
27	24	4	-	28	24	5	-	1083.5697	88.6	6	II
36	11	25	+	37	11	26	+	1083.5754	86.3	-1	I
36	11	25	-	37	11	26	-	1083.5797	86.6	0	I
34	15	19	+	35	15	20	+	1083.5910	29.5	0	II
34	15	19	-	35	15	20	-	1083.6023	32.8	-1	II
35	13	23	+	36	13	24	+	1083.6498	87.0	0	I
38	3	35	+	39	3	36	+	1083.6893	51.6	-8	I
37	7	31	-	38	7	32	-	1083.6893	51.6	5	I
37	7	31	+	38	7	32	+	1083.6893	51.6	0	I
38	3	35	-	39	3	36	-	1083.6925	71.6	3	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
31	19	13	+	32	19	14	+	1083.8049	61.8	0	II
37	6	32	-	38	6	33	-	1083.8237	64.4	4	I
37	6	32	+	38	6	33	+	1083.8237	64.4	-5	I
31	19	13	-	32	19	14	-	1083.8271	52.6	-3	II
39	3	37	+	40	3	38	+	1083.8406	65.9	1	I
39	3	37	-	40	3	38	-	1083.8406	65.9	-2	I
36	10	26	+	37	10	27	+	1083.8513	82.8	0	I
36	10	26	-	37	10	27	-	1083.8543	81.7	0	I
33	16	18	-	34	16	19	-	1083.8854	58.2	-4	I
40	1	39	-	41	1	40	-	1083.8854	58.2	1	I
40	1	39	+	41	1	40	+	1083.8854	58.2	1	I
41	1	41	+	42	1	42	+	1083.9523	57.3	-1	I
41	1	41	-	42	1	42	-	1083.9523	57.3	0	I
30	20	10	-	31	20	11	-	1083.9800	70.9	-1	II
35	12	24	+	36	12	25	+	1083.9936	86.7	-1	I
34	14	20	+	35	14	21	+	1083.9971	89.1	1	I
35	12	24	-	36	12	25	-	1083.9995	86.5	-1	I
34	14	20	-	35	14	21	-	1084.0066	23.9	-1	II
37	5	33	+	38	5	34	+	1084.0713	59.1	-3	I
37	5	33	-	38	5	34	-	1084.0713	59.1	1	I
36	9	27	+	37	9	28	+	1084.0900	76.8	1	I
36	9	27	-	37	9	28	-	1084.0900	76.8	-16	I
29	21	9	-	30	21	10	-	1084.0995	72.4	-1	II
32	17	15	+	33	17	16	+	1084.1185	34.0	3	II
32	17	15	-	33	17	16	-	1084.1357	34.0	7	II
36	5	31	-	37	5	32	-	1084.1629	72.7	0	I
36	5	31	+	37	5	32	+	1084.1667	72.6	0	I
25	25	1	+	26	25	2	+	1084.1910	95.9	-6	II
27	23	5	+	28	23	6	+	1084.1983	89.6	1	II
26	24	2	+	27	24	3	+	1084.2121	91.2	0	II
27	23	5	-	28	23	6	-	1084.2393	86.9	2	II
25	25	1	-	26	25	2	-	1084.2450	92.4	-3	II
26	24	2	-	27	24	3	-	1084.2591	93.8	2	II
36	4	32	+	37	4	33	+	1084.2726	55.0	-1	I
36	4	32	-	37	4	33	-	1084.2726	55.0	-1	I
36	8	28	-	37	8	29	-	1084.2851	67.0	-3	I
36	8	28	+	37	8	29	+	1084.2851	67.0	3	I
35	11	25	+	36	11	26	+	1084.3056	83.9	0	I
35	11	25	-	36	11	26	-	1084.3099	82.1	-2	I
34	13	21	+	35	13	22	+	1084.3731	14.4	-1	II
34	13	21	-	35	13	22	-	1084.3810	17.7	-1	II
36	6	30	-	37	6	31	-	1084.3979	75.8	1	I
36	6	30	+	37	6	31	+	1084.4007	75.6	-1	I
36	7	29	+	37	7	30	+	1084.4161	61.2	-4	I
36	7	29	-	37	7	30	-	1084.4161	61.2	4	I
38	2	36	-	39	2	37	-	1084.4994	65.6	-5	I
38	2	36	+	39	2	37	+	1084.4994	65.6	2	I
30	19	11	+	31	19	12	+	1084.5090	59.4	0	II
30	19	11	-	31	19	12	-	1084.5326	61.2	-1	II
37	4	34	-	38	4	35	-	1084.5454	60.5	-2	I
37	4	34	+	38	4	35	+	1084.5454	60.5	2	I
39	2	38	+	40	2	39	+	1084.5609	58.7	0	I
39	2	38	-	40	2	39	-	1084.5609	58.7	0	I
35	10	26	+	36	10	27	+	1084.5838	80.3	1	I
32	16	16	+	33	16	17	+	1084.5838	80.3	-14	I
51	4	48	-	51	4	47	-	1084.5838	80.3	-7	I
35	10	26	-	36	10	27	-	1084.5868	81.3	-1	I
32	16	16	-	33	16	17	-	1084.5997	81.3	-1	I
40	0	40	+	41	0	41	+	1084.6255	54.6	-1	I
40	0	40	-	41	0	41	-	1084.6255	54.6	0	I
29	20	10	+	30	20	11	+	1084.6541	69.4	1	II
29	20	10	-	30	20	11	-	1084.6816	70.6	0	II
33	14	20	+	34	14	21	+	1084.7158	82.1	0	II
34	12	22	+	35	12	23	+	1084.7185	85.7	-1	II
34	12	22	-	35	12	23	-	1084.7252	81.3	3	I
33	14	20	-	34	14	21	-	1084.7252	81.3	-7	I
45	2	44	-	45	2	43	-	1084.7475	82.5	-7	I
28	21	7	+	29	21	8	+	1084.7653	76.7	1	II
28	21	7	-	29	21	8	-	1084.7976	75.3	1	II
35	9	27	+	36	9	28	+	1084.8272	74.2	18	I
31	17	15	+	32	17	16	+	1084.8272	74.2	-1	I
35	9	27	-	36	9	28	-	1084.8272	74.2	-1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
31	17	15	—	32	17	16	—	1084.8451	44.2	0	II
27	22	6	—	28	22	7	—	1084.8804	83.5	1	II
26	23	3	+	27	23	4	+	1084.8866	89.7	0	II
26	23	3	—	27	23	4	—	1084.9301	80.8	2	II
36	3	33	+	37	3	34	+	1085.0062	70.0	-3	I
36	3	33	—	37	3	34	—	1085.0089	70.9	1	I
35	8	28	—	36	8	29	—	1085.0264	64.8	-4	I
35	8	28	+	36	8	29	+	1085.0264	64.8	4	I
34	11	23	—	35	11	24	—	1085.0366	3.8	-5	II
30	18	12	+	31	18	13	+	1085.0366	3.8	10	II
30	18	12	—	31	18	13	—	1085.0564	41.8	-3	II
33	13	21	—	34	13	22	—	1085.1015	87.9	-1	II
35	7	29	+	36	7	30	+	1085.1808	59.7	-2	I
35	7	29	—	36	7	30	—	1085.1808	59.7	2	I
37	3	35	—	38	3	36	—	1085.1940	58.3	-3	I
37	3	35	+	38	3	36	+	1085.1940	58.3	1	I
29	19	11	+	30	19	12	+	1085.2102	61.3	0	II
38	1	37	—	39	1	38	—	1085.2321	56.4	0	I
38	1	37	+	39	1	38	+	1085.2321	56.4	0	I
31	16	16	+	32	16	17	+	1085.2959	48.9	6	I
39	1	39	+	40	1	40	+	1085.2959	48.9	-1	I
39	1	39	—	40	1	40	—	1085.2959	48.9	0	I
35	6	30	—	36	6	31	—	1085.3086	58.8	5	I
35	6	30	+	36	6	31	+	1085.3086	58.8	-4	I
34	10	24	+	35	10	25	+	1085.3123	78.5	-2	I
34	10	24	—	35	10	25	—	1085.3161	80.5	0	I
28	20	8	+	29	20	9	+	1085.3511	69.0	0	II
28	20	8	—	29	20	9	—	1085.3804	69.4	0	II
32	14	18	+	33	14	19	+	1085.4314	89.3	0	I
33	12	22	+	34	12	23	+	1085.4401	84.3	1	I
32	14	18	—	33	14	19	—	1085.4417	87.3	-3	I
33	12	22	—	34	12	23	—	1085.4467	84.8	0	I
27	21	7	+	28	21	8	+	1085.4588	70.7	3	II
35	5	31	+	36	5	32	+	1085.5114	54.8	-4	I
35	5	31	—	36	5	32	—	1085.5114	54.8	3	I
30	17	13	+	31	17	14	+	1085.5335	39.9	1	II
30	17	13	—	31	17	14	—	1085.5521	41.4	0	II
34	9	25	+	35	9	26	+	1085.5572	77.3	2	I
34	9	25	—	35	9	26	—	1085.5592	76.3	0	I
26	22	4	—	27	22	5	—	1085.5720	79.5	2	II
24	24	0	+	25	24	1	+	1085.5777	90.7	-3	II
24	24	0	—	25	24	1	—	1085.6316	92.6	7	II
34	4	30	—	35	4	31	—	1085.7119	73.2	-11	I
34	4	30	+	35	4	31	+	1085.7165	68.0	-1	I
31	15	17	—	32	15	18	—	1085.7473	57.6	-1	I
34	5	29	—	35	5	30	—	1085.7473	57.6	-3	I
34	5	29	+	35	5	30	+	1085.7517	66.7	-1	I
33	11	23	+	34	11	24	+	1085.7553	77.5	0	I
34	8	26	+	35	8	27	+	1085.7609	55.2	1	I
33	11	23	—	34	11	24	—	1085.7609	55.2	4	I
34	8	26	—	35	8	27	—	1085.7609	55.2	-9	I
32	13	19	+	33	13	20	+	1085.8100	87.1	1	I
32	13	19	—	33	13	20	—	1085.8188	88.1	-1	I
36	2	34	+	37	2	35	+	1085.8356	62.5	3	I
36	2	34	—	37	2	35	—	1085.8356	62.5	-6	I
37	2	36	+	38	2	37	+	1085.9027	53.2	0	I
37	2	36	—	38	2	37	—	1085.9027	53.2	0	I
34	7	27	—	35	7	28	—	1085.9103	56.7	2	I
34	7	27	+	35	7	28	+	1085.9103	56.7	-2	I
35	4	32	+	36	4	33	+	1085.9250	54.0	0	I
35	4	32	—	36	4	33	—	1085.9250	54.0	-2	I
34	6	28	—	35	6	29	—	1085.9459	70.0	3	I
34	6	28	+	35	6	29	+	1085.9477	69.5	-3	I
38	0	38	+	39	0	39	+	1085.9636	49.1	-1	I
38	0	38	—	39	0	39	—	1085.9636	49.1	0	I
30	16	14	+	31	16	15	+	1086.0024	32.6	0	II
30	16	14	—	31	16	15	—	1086.0186	33.9	0	II
33	10	24	+	34	10	25	+	1086.0377	80.2	0	I
33	10	24	—	34	10	25	—	1086.0415	80.2	0	I
27	20	8	+	28	20	9	+	1086.0453	67.4	0	II
27	20	8	—	28	20	9	—	1086.0763	69.5	0	II
31	14	18	+	32	14	19	+	1086.1436	89.3	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
26	21	5	+	27	21	6	+	1086.1487	75.5	0	II
31	14	18	-	32	14	19	-	1086.1550	88.5	1	I
32	12	20	+	33	12	21	+	1086.1580	84.5	-1	I
32	12	20	-	33	12	21	-	1086.1652	85.1	0	I
26	21	5	-	27	21	6	-	1086.1852	74.8	2	II
29	17	13	+	30	17	14	+	1086.2366	93.1	0	I
29	17	13	-	30	17	14	-	1086.2563	77.3	2	I
24	23	1	+	25	23	2	+	1086.2563	77.3	16	I
33	9	25	+	34	9	26	+	1086.2848	72.0	-2	I
33	9	25	-	34	9	26	-	1086.2873	76.4	-1	I
34	3	31	+	35	3	32	+	1086.3160	66.0	-1	I
34	3	31	-	35	3	32	-	1086.3181	65.8	2	I
28	18	10	+	29	18	11	+	1086.4364	37.2	-3	II
30	15	15	+	31	15	16	+	1086.4419	18.2	-2	II
30	15	15	-	31	15	16	-	1086.4561	23.5	-1	II
28	18	10	-	29	18	11	-	1086.4598	27.8	-5	II
32	11	21	+	33	11	22	+	1086.4749	82.0	-1	I
32	11	21	-	33	11	22	-	1086.4805	82.5	0	I
33	8	26	+	34	8	27	+	1086.4936	62.5	4	I
33	8	26	-	34	8	27	-	1086.4936	62.5	-7	I
31	13	19	+	32	13	20	+	1086.5233	86.7	-1	I
31	13	19	-	32	13	20	-	1086.5328	85.9	1	I
35	3	33	+	36	3	34	+	1086.5385	54.9	2	I
35	3	33	-	36	3	34	-	1086.5385	54.9	-2	I
36	1	35	+	37	1	36	+	1086.5675	49.5	-1	I
36	1	35	-	37	1	36	-	1086.5675	49.5	-2	I
27	19	9	+	28	19	10	+	1086.6035	57.7	0	II
37	1	37	+	38	1	38	+	1086.6286	46.8	-1	I
37	1	37	-	38	1	38	-	1086.6286	46.8	0	I
33	7	27	-	34	7	28	-	1086.6570	55.7	0	I
33	7	27	+	34	7	28	+	1086.6570	55.7	0	I
29	16	14	+	30	16	15	+	1086.7064	92.6	1	I
29	16	14	-	30	16	15	-	1086.7236	92.3	1	I
26	20	6	+	27	20	7	+	1086.7365	69.1	0	II
32	10	22	+	33	10	23	+	1086.7593	76.5	-1	I
32	10	22	-	33	10	23	-	1086.7635	62.2	0	I
26	20	6	-	27	20	7	-	1086.7696	48.0	2	II
33	6	28	-	34	6	29	-	1086.7837	71.1	1	I
33	6	28	+	34	6	29	+	1086.7875	76.3	6	I
25	21	5	+	26	21	6	+	1086.8361	78.9	0	II
30	14	16	+	31	14	17	+	1086.8526	87.4	-1	I
30	14	16	-	31	14	17	-	1086.8645	89.6	-1	I
31	12	20	+	32	12	21	+	1086.8729	79.9	1	I
31	12	20	-	32	12	21	-	1086.8807	79.7	3	I
24	22	2	+	25	22	3	+	1086.9022	86.5	2	II
28	17	11	+	29	17	12	+	1086.9364	92.9	1	I
24	22	2	-	25	22	3	-	1086.9468	12.2	-2	II
33	5	29	+	34	5	30	+	1086.9518	50.6	-5	I
33	5	29	-	34	5	30	-	1086.9518	50.6	4	I
28	17	11	-	29	17	12	-	1086.9572	92.6	0	II
32	9	23	+	33	9	24	+	1087.0092	75.0	0	I
32	9	23	-	33	9	24	-	1087.0118	74.8	0	I
29	15	15	+	30	15	16	+	1087.1471	89.7	1	I
34	2	32	-	35	2	33	-	1087.1571	57.6	1	I
34	2	32	+	35	2	33	+	1087.1571	57.6	11	I
27	18	10	-	28	18	11	-	1087.1571	57.6	-8	I
32	4	28	-	33	4	29	-	1087.1872	63.4	2	I
32	4	28	+	33	4	29	+	1087.1893	60.6	0	I
31	11	21	-	32	11	22	-	1087.1972	81.3	1	I
32	8	24	-	33	8	25	-	1087.2207	62.2	-10	I
32	8	24	+	33	8	25	+	1087.2207	62.2	3	I
35	2	34	+	36	2	35	+	1087.2336	42.7	0	I
30	13	17	+	31	13	18	+	1087.2336	42.7	1	I
35	2	34	-	36	2	35	-	1087.2336	42.7	-1	I
30	13	17	-	31	13	18	-	1087.2434	86.3	-1	I
36	0	36	+	37	0	37	+	1087.2907	44.2	-1	I
36	0	36	-	37	0	37	-	1087.2907	44.2	0	I
33	4	30	+	34	4	31	+	1087.3045	48.3	-1	I
33	4	30	-	34	4	31	-	1087.3045	48.3	0	I
32	5	27	-	33	5	28	-	1087.3240	65.8	1	I
32	5	27	+	33	5	28	+	1087.3281	66.8	0	I
32	7	25	+	33	7	26	+	1087.3840	50.3	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
32	7	25	—	33	7	26	—	1087.3840	50.3	0	I
28	16	12	+	29	16	13	+	1087.4070	86.0	-1	I
32	6	26	+	33	6	27	+	1087.4604	59.4	-10	I
32	6	26	—	33	6	27	—	1087.4604	59.4	7	I
31	10	22	+	32	10	23	+	1087.4774	77.8	0	I
31	10	22	—	32	10	23	—	1087.4819	78.4	0	I
24	21	3	+	25	21	4	+	1087.5205	82.1	1	II
29	14	16	+	30	14	17	+	1087.5584	87.6	0	I
29	14	16	—	30	14	17	—	1087.5712	85.2	1	I
30	12	18	+	31	12	19	+	1087.5840	81.8	-2	I
23	22	2	+	24	22	3	+	1087.5840	81.8	14	I
30	12	18	—	31	12	19	—	1087.5920	71.1	-2	I
41	2	40	+	41	2	39	+	1087.6073	91.7	9	I
32	3	29	—	33	3	30	—	1087.6319	54.6	-7	I
27	17	11	+	28	17	12	+	1087.6319	54.6	-13	I
32	3	29	+	33	3	30	+	1087.6319	54.6	8	I
27	17	11	—	28	17	12	—	1087.6554	93.3	0	I
31	9	23	+	32	9	24	+	1087.7296	59.7	0	I
31	9	23	—	32	9	24	—	1087.7319	65.3	-6	I
26	18	8	+	27	18	9	+	1087.8254	92.9	-2	I
28	15	13	+	29	15	14	+	1087.8487	89.5	0	I
26	18	8	—	27	18	9	—	1087.8520	95.1	-1	I
28	15	13	—	29	15	14	—	1087.8644	90.4	0	I
33	3	31	—	34	3	32	—	1087.8754	48.9	-2	I
33	3	31	+	34	3	32	+	1087.8754	48.9	2	I
34	1	33	—	35	1	34	—	1087.8916	44.6	-2	I
34	1	33	+	35	1	34	+	1087.8916	44.6	0	I
30	11	19	+	31	11	20	+	1087.9040	80.0	0	I
30	11	19	—	31	11	20	—	1087.9104	80.3	0	I
44	4	40	+	44	6	39	+	1087.9262	96.8	1	I
29	13	17	+	30	13	18	+	1087.9404	84.5	0	I
31	8	24	—	32	8	25	—	1087.9450	61.2	-9	I
31	8	24	+	32	8	25	+	1087.9450	61.2	6	I
35	1	35	+	36	1	36	+	1087.9503	37.6	0	I
29	13	17	—	30	13	18	—	1087.9503	37.6	-7	I
35	1	35	—	36	1	36	—	1087.9503	37.6	1	I
25	19	7	+	26	19	8	+	1087.9845	62.7	0	II
25	19	7	—	26	19	8	—	1088.0160	64.9	0	II
47	4	44	+	47	4	43	+	1088.0769	94.8	4	I
27	16	12	+	28	16	13	+	1088.1047	91.0	1	I
24	20	4	+	25	20	5	+	1088.1100	71.0	1	II
31	7	25	+	32	7	26	+	1088.1171	51.8	1	I
31	7	25	—	32	7	26	—	1088.1171	51.8	-1	I
24	20	4	—	25	20	5	—	1088.1473	66.9	1	II
30	10	20	+	31	10	21	+	1088.1919	76.8	-1	I
30	10	20	—	31	10	21	—	1088.1968	77.3	1	I
23	21	3	—	24	21	4	—	1088.2480	47.7	23	I
31	6	26	+	32	6	27	+	1088.2480	47.7	-4	I
31	6	26	—	32	6	27	—	1088.2480	47.7	4	I
28	14	14	+	29	14	15	+	1088.2609	71.8	-2	I
28	14	14	—	29	14	15	—	1088.2747	84.6	2	I
29	12	18	+	30	12	19	+	1088.2921	81.7	-1	I
29	12	18	—	30	12	19	—	1088.3008	76.8	-1	I
22	22	0	—	23	22	1	—	1088.3119	90.1	5	II
26	17	9	+	27	17	10	+	1088.3268	93.3	0	I
26	17	9	—	27	17	10	—	1088.3497	73.5	-7	I
31	5	27	+	32	5	28	+	1088.3907	47.1	-5	I
31	5	27	—	32	5	28	—	1088.3907	47.1	6	I
30	9	21	+	31	9	22	+	1088.4463	73.2	0	I
30	9	21	—	31	9	22	—	1088.4496	73.1	1	I
32	2	30	—	33	2	31	—	1088.4600	55.8	-13	I
32	2	30	+	33	2	31	+	1088.4600	55.8	0	I
25	18	8	+	26	18	9	+	1088.5154	48.7	0	II
25	18	8	—	26	18	9	—	1088.5436	43.7	1	I
27	15	13	+	28	15	14	+	1088.5474	80.9	3	I
33	2	32	—	34	2	33	—	1088.5539	44.3	-1	I
33	2	32	+	34	2	33	+	1088.5539	44.3	1	I
27	15	13	—	28	15	14	—	1088.5644	80.8	5	I
34	0	34	—	35	0	35	—	1088.6068	39.0	0	I
34	0	34	+	35	0	35	+	1088.6068	39.0	-1	I
29	11	19	+	30	11	20	+	1088.6133	78.3	-1	I
29	11	19	—	30	11	20	—	1088.6202	80.0	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
28	13	15	—	29	13	16	—	1088.6552	83.4	0	II
30	8	22	—	31	8	23	—	1088.6644	65.6	-15	I
30	8	22	+	31	8	23	+	1088.6644	65.6	3	I
24	19	5	+	25	19	6	+	1088.6705	57.3	0	II
31	4	28	—	32	4	29	—	1088.6848	32.8	3	I
31	4	28	+	32	4	29	+	1088.6848	32.8	0	I
30	4	26	+	31	4	27	+	1088.6848	32.8	-13	I
24	19	5	—	25	19	6	—	1088.7040	57.2	-1	II
23	20	4	+	24	20	5	+	1088.7922	77.5	1	II
26	16	10	+	27	16	11	+	1088.7992	90.8	0	I
26	16	10	—	27	16	11	—	1088.8198	92.3	-1	I
23	20	4	—	24	20	5	—	1088.8320	73.9	1	II
30	7	23	—	31	7	24	—	1088.8388	50.5	-2	I
30	7	23	+	31	7	24	+	1088.8388	50.5	2	I
30	5	25	—	31	5	26	—	1088.8770	63.5	0	I
22	21	1	+	23	21	2	+	1088.8806	62.4	4	I
30	5	25	+	31	5	26	+	1088.8806	62.4	-1	I
29	10	20	+	30	10	21	+	1088.9029	75.2	-1	I
29	10	20	—	30	10	21	—	1088.9081	75.8	0	I
22	21	1	—	23	21	2	—	1088.9265	77.8	-6	II
30	6	24	+	31	6	25	+	1088.9444	49.9	-6	I
30	6	24	—	31	6	25	—	1088.9444	49.9	6	I
27	14	14	+	28	14	15	+	1088.9605	85.1	1	I
30	3	27	—	31	3	28	—	1088.9646	40.9	-3	I
30	3	27	+	31	3	28	+	1088.9646	40.9	2	I
39	2	38	—	39	2	37	—	1088.9646	40.9	1	I
27	14	14	—	28	14	15	—	1088.9745	85.4	-3	I
28	12	16	+	29	12	17	+	1088.9969	82.2	0	I
25	17	9	+	26	17	10	+	1089.0174	93.2	0	I
25	17	9	—	26	17	10	—	1089.0418	88.6	-7	I
29	9	21	+	30	9	22	+	1089.1594	71.8	0	I
29	9	21	—	30	9	22	—	1089.1634	55.5	4	I
31	3	29	—	32	3	30	—	1089.2048	27.4	-11	I
32	1	31	+	33	1	32	+	1089.2048	27.4	10	I
31	3	29	+	32	3	30	+	1089.2048	27.4	-8	I
32	1	31	—	33	1	32	—	1089.2048	27.4	8	I
24	18	6	—	25	18	7	—	1089.2323	49.5	1	II
26	15	11	+	27	15	12	+	1089.2422	78.8	-3	I
33	1	33	+	34	1	34	+	1089.2607	34.2	-1	I
33	1	33	—	34	1	34	—	1089.2607	34.2	0	I
26	15	11	—	27	15	12	—	1089.2607	34.2	3	I
28	11	17	—	29	11	18	—	1089.3266	78.5	0	I
27	13	15	+	28	13	16	+	1089.3442	84.5	0	I
23	19	5	+	24	19	6	+	1089.3536	64.9	2	II
27	13	15	—	28	13	16	—	1089.3562	85.2	0	I
29	8	22	+	30	8	23	+	1089.3802	66.3	1	I
29	8	22	—	30	8	23	—	1089.3820	67.5	-1	I
23	19	5	—	24	19	6	—	1089.3898	85.9	4	I
22	20	2	+	23	20	3	+	1089.4712	79.2	0	II
25	16	10	+	26	16	11	+	1089.4905	29.1	1	II
22	20	2	—	23	20	3	—	1089.5125	27.1	-14	II
25	16	10	—	26	16	11	—	1089.5125	27.1	2	II
29	7	23	+	30	7	24	+	1089.5610	50.0	3	I
29	7	23	—	30	7	24	—	1089.5610	50.0	-4	I
28	10	18	+	29	10	19	+	1089.6104	72.7	-1	I
28	10	18	—	29	10	19	—	1089.6160	74.7	0	I
26	14	12	+	27	14	13	+	1089.6568	83.5	2	I
26	14	12	—	27	14	13	—	1089.6719	87.5	0	I
29	6	24	—	30	6	25	—	1089.6982	37.4	3	I
27	12	16	+	28	12	17	+	1089.6982	37.4	1	I
29	6	24	+	30	6	25	+	1089.6982	37.4	-3	I
27	12	16	—	28	12	17	—	1089.7084	77.8	3	I
24	17	7	—	25	17	8	—	1089.7318	93.8	1	I
30	2	28	—	31	2	29	—	1089.7471	54.5	-15	I
30	2	28	+	31	2	29	+	1089.7471	54.5	1	I
29	5	25	—	30	5	26	—	1089.8254	40.0	5	I
29	5	25	+	30	5	26	+	1089.8254	40.0	-6	I
31	2	30	—	32	2	31	—	1089.8636	39.5	-1	I
31	2	30	+	32	2	31	+	1089.8636	39.5	1	I
28	9	19	+	29	9	20	+	1089.8688	70.2	-1	I
28	9	19	—	29	9	20	—	1089.8727	71.9	0	I
23	18	6	+	24	18	7	+	1089.8853	30.4	-4	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
32	0	32	+	33	0	33	+	1089.9117	36.3	-1	I
32	0	32	-	33	0	33	-	1089.9117	36.3	0	I
23	18	6	-	24	18	7	-	1089.9180	52.9	0	II
25	15	11	+	26	15	12	+	1089.9345	89.5	0	I
25	15	11	-	26	15	12	-	1089.9541	54.0	4	I
27	11	17	+	28	11	18	+	1090.0218	78.1	0	I
27	11	17	-	28	11	18	-	1090.0298	77.9	1	I
22	19	3	+	23	19	4	+	1090.0333	62.9	1	II
26	13	13	+	27	13	14	+	1090.0412	83.0	-1	I
26	13	13	-	27	13	14	-	1090.0538	77.6	-3	I
29	4	26	+	30	4	27	+	1090.0662	38.5	-3	I
29	4	26	-	30	4	27	-	1090.0662	38.5	3	I
22	19	3	-	23	19	4	-	1090.0718	60.8	0	II
28	8	20	+	29	8	21	+	1090.0922	65.8	1	I
28	8	20	-	29	8	21	-	1090.0944	67.5	0	I
24	16	8	+	25	16	9	+	1090.1787	91.9	1	I
28	4	24	-	29	4	25	-	1090.1955	58.7	0	I
24	16	8	-	25	16	9	-	1090.1995	57.9	-28	I
28	4	24	+	29	4	25	+	1090.1995	57.9	0	I
28	7	21	-	29	7	22	-	1090.2758	50.2	-5	I
28	7	21	+	29	7	22	+	1090.2758	50.2	4	I
27	10	18	+	28	10	19	+	1090.3143	72.9	0	I
28	3	25	+	29	3	26	+	1090.3234	39.6	-6	I
28	3	25	-	29	3	26	-	1090.3234	39.6	2	I
25	14	12	+	26	14	13	+	1090.3496	86.8	1	I
23	17	7	+	24	17	8	+	1090.3891	92.9	-1	I
28	5	23	-	29	5	24	-	1090.3970	51.7	-1	I
28	5	23	+	29	5	24	+	1090.3970	51.7	-30	I
26	12	14	+	27	12	15	+	1090.3970	51.7	8	I
28	6	22	+	29	6	23	+	1090.4024	40.1	-4	I
28	6	22	-	29	6	23	-	1090.4024	40.1	3	I
26	12	14	-	27	12	15	-	1090.4067	78.6	-1	I
23	17	7	-	24	17	8	-	1090.4179	94.0	0	I
30	1	29	+	31	1	30	+	1090.5038	38.1	2	I
30	1	29	-	31	1	30	-	1090.5038	38.1	-2	I
29	3	27	+	30	3	28	+	1090.5316	37.5	1	I
29	3	27	-	30	3	28	-	1090.5316	37.5	-1	I
31	1	31	+	32	1	32	+	1090.5602	33.4	-1	I
31	1	31	-	32	1	32	-	1090.5602	33.4	0	I
22	18	4	+	23	18	5	+	1090.5663	92.9	0	I
27	9	19	+	28	9	20	+	1090.5746	68.0	0	I
27	9	19	-	28	9	20	-	1090.5789	68.8	0	I
22	18	4	-	23	18	5	-	1090.6010	95.6	1	I
24	15	9	+	25	15	10	+	1090.6235	77.2	1	I
24	15	9	-	25	15	10	-	1090.6439	90.4	-1	I
21	19	3	+	22	19	4	+	1090.7100	62.5	1	II
26	11	15	+	27	11	16	+	1090.7210	77.1	0	I
26	11	15	-	27	11	16	-	1090.7295	77.8	1	I
25	13	13	+	26	13	14	+	1090.7350	84.0	0	I
25	13	13	-	26	13	14	-	1090.7495	58.4	7	I
27	8	20	+	28	8	21	+	1090.8004	66.0	0	I
27	8	20	-	28	8	21	-	1090.8031	67.1	1	I
20	20	0	+	21	20	1	+	1090.8205	95.9	4	I
23	16	8	-	24	16	9	-	1090.8889	92.4	-1	I
27	7	21	+	28	7	22	+	1090.9886	51.3	5	I
27	7	21	-	28	7	22	-	1090.9886	51.3	-6	I
26	10	16	+	27	10	17	+	1091.0150	70.7	2	I
28	2	26	-	29	2	27	-	1091.0210	38.8	2	I
26	10	16	-	27	10	17	-	1091.0210	38.8	-3	I
24	14	10	+	25	14	11	+	1091.0391	85.6	0	I
24	14	10	-	25	14	11	-	1091.0567	86.4	0	I
22	17	5	+	23	17	6	+	1091.0703	94.6	-1	I
25	12	14	+	26	12	15	+	1091.0913	73.0	4	I
25	12	14	-	26	12	15	-	1091.1022	77.9	0	I
22	17	5	-	23	17	6	-	1091.1022	77.9	9	I
27	6	22	-	28	6	23	-	1091.1335	40.4	1	I
27	6	22	+	28	6	23	+	1091.1335	40.4	-1	I
29	2	28	+	30	2	29	+	1091.1632	35.2	1	I
29	2	28	-	30	2	29	-	1091.1632	35.2	-1	I
30	0	30	+	31	0	31	+	1091.2055	31.7	-1	I
30	0	30	-	31	0	31	-	1091.2055	31.7	0	I
21	18	4	+	22	18	5	+	1091.2444	93.6	7	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
27	5	23	+	28	5	24	+	1091.2536	46.9	-5	I
27	5	23	-	28	5	24	-	1091.2536	46.9	8	I
26	9	17	+	27	9	18	+	1091.2765	62.9	-2	I
21	18	4	-	22	18	5	-	1091.2814	68.9	4	I
26	9	17	-	27	9	18	-	1091.2814	68.9	1	I
23	15	9	+	24	15	10	+	1091.3093	89.6	2	I
23	15	9	-	24	15	10	-	1091.3314	77.4	2	I
20	19	1	+	21	19	2	+	1091.3838	76.8	2	II
25	11	15	+	26	11	16	+	1091.4167	75.3	1	I
24	13	11	+	25	13	12	+	1091.4257	66.3	3	I
25	11	15	-	26	11	16	-	1091.4257	66.3	-1	I
24	13	11	-	25	13	12	-	1091.4403	82.5	1	I
27	4	24	-	28	4	25	-	1091.4488	35.6	4	I
27	4	24	+	28	4	25	+	1091.4488	35.6	-4	I
26	8	18	-	27	8	19	-	1091.5047	60.2	-31	I
26	8	18	+	27	8	19	+	1091.5047	60.2	-1	I
22	16	6	+	23	16	7	+	1091.5455	91.8	-1	I
22	16	6	-	23	16	7	-	1091.5728	92.3	0	I
26	7	19	-	27	7	20	-	1091.6960	51.2	-7	I
26	7	19	+	27	7	20	+	1091.6960	51.2	7	I
26	3	23	+	27	3	24	+	1091.7114	32.4	-1	I
26	3	23	-	27	3	24	-	1091.7114	32.4	15	I
26	4	22	+	27	4	23	+	1091.7185	42.5	1	I
25	10	16	-	26	10	17	-	1091.7185	42.5	-4	I
23	14	10	+	24	14	11	+	1091.7255	86.3	0	I
23	14	10	-	24	14	11	-	1091.7445	86.3	1	I
21	17	5	+	22	17	6	+	1091.7486	93.1	2	I
24	12	12	+	25	12	13	+	1091.7821	76.0	0	I
21	17	5	-	22	17	6	-	1091.7821	76.0	4	I
28	1	27	-	29	1	28	-	1091.7907	35.5	-3	I
28	1	27	+	29	1	28	+	1091.7907	35.5	2	I
24	12	12	-	25	12	13	-	1091.7944	75.5	-1	I
35	2	34	-	35	2	33	-	1091.7944	75.5	0	I
26	6	20	-	27	6	21	-	1091.8380	38.8	1	I
26	6	20	+	27	6	21	+	1091.8380	38.8	-1	I
29	1	29	+	30	1	30	+	1091.8486	29.6	-1	I
29	1	29	-	30	1	30	-	1091.8486	29.6	0	I
27	3	25	-	28	3	26	-	1091.8546	32.7	0	I
27	3	25	+	28	3	26	+	1091.8546	32.7	0	I
26	5	21	-	27	5	22	-	1091.8818	53.0	4	I
26	5	21	+	27	5	22	+	1091.8834	53.1	-3	I
43	4	40	+	43	4	39	+	1091.8923	97.2	8	I
20	18	2	+	21	18	3	+	1091.9179	56.2	0	II
25	9	17	+	26	9	18	+	1091.9753	68.0	0	I
25	9	17	-	26	9	18	-	1091.9804	69.7	1	I
22	15	7	+	23	15	8	+	1091.9917	89.0	0	I
22	15	7	-	23	15	8	-	1092.0155	89.6	1	I
19	19	1	+	20	19	2	+	1092.0534	82.4	-6	II
19	19	1	-	20	19	2	-	1092.1027	53.6	2	II
24	11	13	+	25	11	14	+	1092.1089	74.4	0	I
23	13	11	+	24	13	12	+	1092.1125	82.4	0	I
24	11	13	-	25	11	14	-	1092.1188	76.2	0	I
23	13	11	-	24	13	12	-	1092.1286	84.6	0	I
25	8	18	+	26	8	19	+	1092.2054	65.5	0	I
25	8	18	-	26	8	19	-	1092.2089	66.1	1	I
21	16	6	+	22	16	7	+	1092.2243	91.9	1	I
21	16	6	-	22	16	7	-	1092.2535	92.7	0	I
26	2	24	-	27	2	25	-	1092.2840	43.2	-9	I
26	2	24	+	27	2	25	+	1092.2840	43.2	5	I
25	7	19	-	26	7	20	-	1092.3999	54.4	-12	I
25	7	19	+	26	7	20	+	1092.3999	54.4	5	I
24	10	14	+	25	10	15	+	1092.4052	70.7	0	I
22	14	8	+	23	14	9	+	1092.4086	84.0	-1	I
24	10	14	-	25	10	15	-	1092.4132	68.4	3	I
20	17	3	+	21	17	4	+	1092.4238	29.8	5	II
22	14	8	-	23	14	9	-	1092.4292	87.2	1	I
27	2	26	+	28	2	27	+	1092.4534	28.1	2	I
27	2	26	-	28	2	27	-	1092.4534	28.1	0	I
20	17	3	-	21	17	4	-	1092.4592	47.2	-1	II
23	12	12	+	24	12	13	+	1092.4701	79.7	0	I
23	12	12	-	24	12	13	-	1092.4834	76.9	1	I
28	0	28	+	29	0	29	+	1092.4880	27.8	-1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
28	0	28	—	29	0	29	—	1092.4880	27.8	0	I
25	6	20	+	26	6	21	+	1092.5529	38.1	1	I
25	6	20	—	26	6	21	—	1092.5529	38.1	-1	I
19	18	2	+	20	18	3	+	1092.5892	70.3	2	II
19	18	2	—	20	18	3	—	1092.6330	64.5	4	II
21	15	7	+	22	15	8	+	1092.6714	29.9	5	I
24	9	15	+	25	9	16	+	1092.6714	29.9	12	I
25	5	21	+	26	5	22	+	1092.6714	29.9	-7	I
25	5	21	—	26	5	22	—	1092.6714	29.9	2	I
24	9	15	—	25	9	16	—	1092.6760	64.5	1	I
21	15	7	—	22	15	8	—	1092.6967	90.0	1	I
23	11	13	+	24	11	14	+	1092.7974	68.6	-4	I
23	11	13	—	24	11	14	—	1092.8086	76.4	1	I
22	13	9	—	23	13	10	—	1092.8138	83.5	0	I
25	4	22	—	26	4	23	—	1092.8313	33.1	5	I
25	4	22	+	26	4	23	+	1092.8313	33.1	-5	I
24	8	16	+	25	8	17	+	1092.9023	64.5	0	I
24	8	16	—	25	8	17	—	1092.9062	65.4	1	I
20	16	4	—	21	16	5	—	1092.9313	31.1	-1	II
26	1	25	+	27	1	26	+	1093.0635	32.5	3	I
26	1	25	—	27	1	26	—	1093.0635	32.5	-4	I
21	14	8	+	22	14	9	+	1093.0886	87.2	0	II
23	10	14	+	24	10	15	+	1093.0952	68.6	0	I
19	17	3	+	20	17	4	+	1093.0952	68.6	3	I
24	7	17	+	25	7	18	+	1093.0991	56.0	2	I
24	7	17	—	25	7	18	—	1093.1009	57.4	-1	I
37	3	35	—	37	3	34	—	1093.1035	68.9	5	I
23	10	14	—	24	10	15	—	1093.1035	68.9	-1	I
21	14	8	—	22	14	9	—	1093.1108	86.8	1	I
24	3	21	+	25	3	22	+	1093.1218	48.0	-25	I
24	3	21	—	25	3	22	—	1093.1218	48.0	1	I
27	1	27	—	28	1	28	—	1093.1258	22.0	-2	I
27	1	27	+	28	1	28	+	1093.1258	22.0	-3	I
19	17	3	—	20	17	4	—	1093.1339	54.0	-1	II
37	3	35	+	37	3	34	+	1093.1548	78.4	0	I
22	12	10	+	23	12	11	+	1093.1548	78.4	0	I
22	12	10	—	23	12	11	—	1093.1692	80.1	0	I
25	3	23	—	26	3	24	—	1093.1765	29.2	1	I
25	3	23	+	26	3	24	+	1093.1765	29.2	-1	I
59	7	53	—	59	7	52	—	1093.1967	88.2	2	II
24	4	20	—	25	4	21	—	1093.2237	52.4	0	I
24	4	20	+	25	4	21	+	1093.2278	50.0	0	I
33	2	32	—	33	2	31	—	1093.2384	90.9	-6	I
24	6	18	—	25	6	19	—	1093.2531	28.3	-3	I
24	6	18	+	25	6	19	+	1093.2531	28.3	1	I
59	7	53	+	59	7	52	+	1093.2648	76.6	9	II
24	5	19	+	25	5	20	+	1093.3331	41.8	-8	I
24	5	19	—	25	5	20	—	1093.3331	41.8	7	I
20	15	5	+	21	15	6	+	1093.3471	91.1	1	I
23	9	15	+	24	9	16	+	1093.3616	63.2	1	I
23	9	15	—	24	9	16	—	1093.3678	69.1	1	I
20	15	5	—	21	15	6	—	1093.3754	86.1	6	I
21	13	9	+	22	13	10	+	1093.4770	84.0	0	I
22	11	11	+	23	11	12	+	1093.4833	75.9	0	I
22	11	11	—	23	11	12	—	1093.4954	67.7	4	I
21	13	9	—	22	13	10	—	1093.4954	67.7	-4	I
24	2	22	—	25	2	23	—	1093.5519	32.6	-5	I
24	2	22	+	25	2	23	+	1093.5519	32.6	4	I
19	16	4	+	20	16	5	+	1093.5719	39.8	0	II
23	8	16	+	24	8	17	+	1093.5955	62.9	0	I
23	8	16	—	24	8	17	—	1093.5998	64.6	1	I
19	16	4	—	20	16	5	—	1093.6064	42.4	0	II
25	2	24	—	26	2	25	—	1093.7349	27.7	-1	I
25	2	24	+	26	2	25	+	1093.7349	27.7	1	I
26	0	26	—	27	0	27	—	1093.7593	25.4	0	I
26	0	26	+	27	0	27	+	1093.7593	25.4	0	I
20	14	6	+	21	14	7	+	1093.7651	85.8	-1	I
22	10	12	+	23	10	13	+	1093.7820	64.9	3	I
20	14	6	—	21	14	7	—	1093.7894	65.2	1	I
23	7	17	+	24	7	18	+	1093.7949	57.5	1	I
23	7	17	—	24	7	18	—	1093.7972	59.2	0	I
18	17	1	—	19	17	2	—	1093.8059	64.5	0	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
21	12	10	+	22	12	11	+	1093.8362	75.5	1	I
21	12	10	-	22	12	11	-	1093.8518	81.1	1	I
41	4	38	-	41	4	37	-	1093.8903	95.4	6	I
64	6	58	+	65	6	59	+	1093.9407	97.5	5	II
23	6	18	-	24	6	19	-	1093.9559	38.8	-4	I
23	6	18	+	24	6	19	+	1093.9559	38.8	4	I
19	15	5	+	20	15	6	+	1094.0197	28.5	0	II
19	15	5	-	20	15	6	-	1094.0494	64.2	-7	I
22	9	13	+	23	9	14	+	1094.0494	64.2	1	I
22	9	13	-	23	9	14	-	1094.0563	69.5	1	I
23	5	19	-	24	5	20	-	1094.0779	32.2	3	I
23	5	19	+	24	5	20	+	1094.0779	32.2	-3	I
20	13	7	+	21	13	8	+	1094.1542	83.7	-1	II
21	11	11	+	22	11	12	+	1094.1654	75.7	0	I
20	13	7	-	21	13	8	-	1094.1749	82.5	2	I
21	11	11	-	22	11	12	-	1094.1782	76.3	0	I
23	4	20	+	24	4	21	+	1094.2120	33.0	-5	I
23	4	20	-	24	4	21	-	1094.2120	33.0	6	I
18	16	2	+	19	16	3	+	1094.2408	50.1	0	II
18	16	2	-	19	16	3	-	1094.2785	49.7	0	II
22	8	14	+	23	8	15	+	1094.2851	60.1	1	I
22	8	14	-	23	8	15	-	1094.2898	63.6	1	I
24	1	23	-	25	1	24	-	1094.3214	32.3	-4	I
24	1	23	+	25	1	24	+	1094.3214	32.3	4	I
25	1	25	-	26	1	26	-	1094.3924	24.1	0	I
25	1	25	+	26	1	26	+	1094.3924	24.1	0	I
17	17	1	+	18	17	2	+	1094.4286	81.6	1	I
19	14	6	+	20	14	7	+	1094.4386	89.0	0	I
19	14	6	-	20	14	7	-	1094.4649	62.1	1	I
21	10	12	+	22	10	13	+	1094.4649	62.1	1	I
21	10	12	-	22	10	13	-	1094.4750	71.5	1	I
17	17	1	-	18	17	2	-	1094.4750	71.5	0	I
22	7	15	+	23	7	16	+	1094.4866	57.8	1	I
22	7	15	-	23	7	16	-	1094.4894	58.3	1	I
23	3	21	-	24	3	22	-	1094.4984	24.5	2	I
23	3	21	+	24	3	22	+	1094.4984	24.5	-2	I
20	12	8	+	21	12	9	+	1094.5140	80.4	0	I
20	12	8	-	21	12	9	-	1094.5309	78.1	-2	I
22	3	19	-	23	3	20	-	1094.5539	49.0	0	I
22	3	19	+	23	3	20	+	1094.5573	46.3	0	I
22	6	16	-	23	6	17	-	1094.6500	38.1	-5	I
22	6	16	+	23	6	17	+	1094.6500	38.1	6	I
18	15	3	+	19	15	4	+	1094.6893	33.1	0	II
22	4	18	-	23	4	19	-	1094.7096	49.1	1	I
22	4	18	+	23	4	19	+	1094.7131	40.3	1	I
18	15	3	-	19	15	4	-	1094.7223	31.8	-1	II
21	9	13	+	22	9	14	+	1094.7335	68.1	0	I
21	9	13	-	22	9	14	-	1094.7412	69.4	1	I
22	5	17	+	23	5	18	+	1094.7545	32.7	-4	I
22	5	17	-	23	5	18	-	1094.7545	32.7	4	I
19	13	7	+	20	13	8	+	1094.8283	83.9	1	I
22	2	20	+	23	2	21	+	1094.8354	25.3	0	I
22	2	20	-	23	2	21	-	1094.8354	25.3	-1	I
20	11	9	+	21	11	10	+	1094.8441	75.3	0	I
19	13	7	-	20	13	8	-	1094.8506	84.7	-1	I
20	11	9	-	21	11	10	-	1094.8580	75.7	-1	I
32	31	1	+	32	31	2	+	1094.8902	95.7	2	II
17	16	2	+	18	16	3	+	1094.9064	96.2	-1	I
17	16	2	-	18	16	3	-	1094.9479	81.4	1	I
21	8	14	+	22	8	15	+	1094.9707	63.4	0	I
21	8	14	-	22	8	15	-	1094.9761	62.7	0	I
23	2	22	+	24	2	23	+	1095.0092	25.0	1	I
23	2	22	-	24	2	23	-	1095.0092	25.0	-1	I
24	0	24	-	25	0	25	-	1095.0192	23.3	0	I
24	0	24	+	25	0	25	+	1095.0192	23.3	0	I
18	14	4	+	19	14	5	+	1095.1086	89.8	0	I
18	14	4	-	19	14	5	-	1095.1373	89.7	0	I
20	10	10	+	21	10	11	+	1095.1445	69.2	1	I
20	10	10	-	21	10	11	-	1095.1555	73.1	1	I
21	7	15	+	22	7	16	+	1095.1746	58.4	0	I
21	7	15	-	22	7	16	-	1095.1779	59.3	1	I
19	12	8	+	20	12	9	+	1095.1887	78.5	2	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
19	12	8	—	20	12	9	—	1095.2074	79.7	1	I
27	1	27	+	27	1	26	+	1095.3213	98.2	3	I
21	6	16	—	22	6	17	—	1095.3422	41.2	-10	I
21	6	16	+	22	6	17	+	1095.3422	41.2	4	I
17	15	3	+	18	15	4	+	1095.3560	90.3	5	I
17	15	3	—	18	15	4	—	1095.3918	94.2	-1	I
20	9	11	+	21	9	12	+	1095.4142	67.6	0	I
20	9	11	—	21	9	12	—	1095.4228	69.1	1	I
21	5	17	—	22	5	18	—	1095.4701	30.5	1	I
21	5	17	+	22	5	18	+	1095.4701	30.5	-1	I
18	13	5	+	19	13	6	+	1095.4989	85.8	1	I
19	11	9	+	20	11	10	+	1095.5194	75.3	-1	I
18	13	5	—	19	13	6	—	1095.5234	85.9	0	I
19	11	9	—	20	11	10	—	1095.5349	77.7	0	I
22	1	21	—	23	1	22	—	1095.5635	30.4	-5	I
22	1	21	+	23	1	22	+	1095.5635	30.4	5	I
21	4	18	—	22	4	19	—	1095.5883	31.1	5	I
21	4	18	+	22	4	19	+	1095.5883	31.1	-4	I
16	16	0	—	17	16	1	—	1095.6145	84.8	1	I
23	1	23	—	24	1	24	—	1095.6479	19.8	0	I
23	1	23	+	24	1	24	+	1095.6479	19.8	0	I
20	8	12	+	21	8	13	+	1095.6528	60.1	0	I
20	8	12	—	21	8	13	—	1095.6587	54.4	-1	I
45	5	41	—	45	5	40	—	1095.6587	54.4	5	I
33	30	4	—	33	30	3	—	1095.6931	85.3	13	II
17	14	4	+	18	14	5	+	1095.7754	91.2	0	I
19	10	10	+	20	10	11	+	1095.8208	20.8	3	I
21	3	19	+	22	3	20	+	1095.8208	20.8	-4	I
21	3	19	—	22	3	20	—	1095.8208	20.8	3	I
19	10	10	—	20	10	11	—	1095.8328	73.7	1	I
20	7	13	+	21	7	14	+	1095.8587	50.9	1	I
20	7	13	—	21	7	14	—	1095.8626	56.8	2	I
18	12	6	—	19	12	7	—	1095.8805	82.8	1	I
20	3	17	—	21	3	18	—	1095.9996	45.8	-1	I
20	3	17	+	21	3	18	+	1096.0037	45.3	0	I
16	15	1	+	17	15	2	+	1096.0184	89.1	1	II
20	6	14	+	21	6	15	+	1096.0289	41.3	6	I
20	6	14	—	21	6	15	—	1096.0289	41.3	-12	I
26	2	24	—	26	4	23	—	1096.0525	86.0	3	I
3	1	3	+	4	3	2	+	1096.0525	86.0	1	I
39	4	36	+	39	4	35	+	1096.0652	98.5	-6	I
19	9	11	+	20	9	12	+	1096.0914	67.5	0	I
19	9	11	—	20	9	12	—	1096.1009	69.6	1	I
20	2	18	—	21	2	19	—	1096.1424	28.0	5	I
20	2	18	+	21	2	19	+	1096.1424	28.0	-5	I
20	5	15	—	21	5	16	—	1096.1508	29.3	1	I
20	5	15	+	21	5	16	+	1096.1508	29.3	0	I
20	4	16	—	21	4	17	—	1096.1621	43.6	1	I
20	4	16	+	21	4	17	+	1096.1648	42.2	1	I
18	11	7	+	19	11	8	+	1096.1915	74.9	1	I
18	11	7	—	19	11	8	—	1096.2084	77.7	1	I
22	0	22	+	23	0	23	+	1096.2673	19.1	-1	I
22	0	22	—	23	0	23	—	1096.2673	19.1	-2	I
21	2	20	—	22	2	21	—	1096.2777	22.6	0	I
21	2	20	+	22	2	21	+	1096.2777	22.6	0	I
35	29	7	+	35	29	6	+	1096.3239	88.4	0	II
19	8	12	+	20	8	13	+	1096.3313	62.4	1	I
19	8	12	—	20	8	13	—	1096.3381	58.0	0	I
16	14	2	+	17	14	3	+	1096.4389	92.7	2	I
16	14	2	—	17	14	3	—	1096.4737	91.1	0	I
18	10	8	+	19	10	9	+	1096.4932	70.8	0	I
18	10	8	—	19	10	9	—	1096.5069	71.9	2	I
33	29	5	—	33	29	4	—	1096.5184	42.3	-6	II
17	12	6	+	18	12	7	+	1096.5277	83.0	0	I
19	7	13	+	20	7	14	+	1096.5389	54.3	0	I
19	7	13	—	20	7	14	—	1096.5435	57.6	2	I
17	12	6	—	18	12	7	—	1096.5508	76.5	4	I
32	29	3	+	32	29	4	+	1096.5819	93.0	1	II
19	6	14	+	20	6	15	+	1096.7117	47.3	-1	I
19	6	14	—	20	6	15	—	1096.7140	53.5	-1	I
15	15	1	—	16	15	2	—	1096.7224	96.4	1	I
18	9	9	+	19	9	10	+	1096.7651	63.6	1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
18	9	9	—	19	9	10	—	1096.7755	69.5	1	I
20	1	19	+	21	1	20	+	1096.7914	28.1	5	I
20	1	19	—	21	1	20	—	1096.7914	28.1	-5	I
29	29	1	+	29	29	0	+	1096.8159	86.3	-4	II
16	13	3	+	17	13	4	+	1096.8300	83.1	-1	I
19	5	15	—	20	5	16	—	1096.8469	29.3	-1	I
19	5	15	+	20	5	16	+	1096.8469	29.3	3	I
16	13	3	—	17	13	4	—	1096.8599	70.5	-1	I
17	11	7	+	18	11	8	+	1096.8599	70.5	1	I
17	11	7	—	18	11	8	—	1096.8787	78.6	1	I
21	1	21	+	22	1	22	+	1096.8928	20.2	-1	I
21	1	21	—	22	1	22	—	1096.8928	20.2	-1	I
19	4	16	—	20	4	17	—	1096.9575	29.4	5	I
19	4	16	+	20	4	17	+	1096.9575	29.4	-2	I
18	8	10	+	19	8	11	+	1097.0061	64.2	0	I
18	8	10	—	19	8	11	—	1097.0138	63.2	1	I
15	14	2	+	16	14	3	+	1097.0988	94.0	1	I
15	14	2	—	16	14	3	—	1097.1377	91.6	2	I
19	3	17	—	20	3	18	—	1097.1439	24.2	5	I
19	3	17	+	20	3	18	+	1097.1439	24.2	-3	I
17	10	8	+	18	10	9	+	1097.1624	72.4	1	I
17	10	8	—	18	10	9	—	1097.1776	75.5	1	I
16	12	4	+	17	12	5	+	1097.1925	76.5	4	I
18	7	11	+	19	7	12	+	1097.2154	57.6	1	I
18	7	11	—	19	7	12	—	1097.2205	60.1	1	I
18	6	12	+	19	6	13	+	1097.3906	53.8	1	I
18	6	12	—	19	6	13	—	1097.3933	55.1	0	I
17	9	9	+	18	9	10	+	1097.4353	62.1	2	I
17	9	9	—	18	9	10	—	1097.4488	46.0	21	I
18	3	15	—	19	3	16	—	1097.4488	46.0	-1	I
18	3	15	+	19	3	16	+	1097.4532	44.6	0	I
18	2	16	—	19	2	17	—	1097.4730	38.9	3	I
18	2	16	+	19	2	17	+	1097.4745	38.9	-2	I
15	13	3	+	16	13	4	+	1097.4907	74.4	1	I
20	0	20	+	21	0	21	+	1097.5036	19.9	1	I
20	0	20	—	21	0	21	—	1097.5036	19.9	-1	I
18	5	13	—	19	5	14	—	1097.5251	26.4	-4	I
16	11	5	+	17	11	6	+	1097.5251	26.4	2	I
18	5	13	+	19	5	14	+	1097.5251	26.4	3	I
19	2	18	+	20	2	19	+	1097.5422	21.0	0	I
19	2	18	—	20	2	19	—	1097.5422	21.0	1	I
16	11	5	—	17	11	6	—	1097.5456	69.4	-2	I
18	4	14	—	19	4	15	—	1097.5800	36.1	11	I
18	4	14	+	19	4	15	+	1097.5800	36.1	-6	I
29	28	2	+	29	28	1	+	1097.6232	77.6	-5	II
29	28	2	—	29	28	1	—	1097.6455	54.4	2	II
17	8	10	+	18	8	11	+	1097.6772	64.3	0	I
17	8	10	—	18	8	11	—	1097.6858	54.1	0	I
37	27	11	—	37	27	10	—	1097.7061	89.1	2	II
28	28	0	—	28	28	1	—	1097.7208	76.0	-1	II
14	14	0	+	15	14	1	+	1097.7553	96.6	1	I
43	26	18	—	43	26	17	—	1097.7729	96.2	0	II
14	14	0	—	15	14	1	—	1097.7976	94.1	-10	I
16	10	6	+	17	10	7	+	1097.8281	75.3	0	I
16	10	6	—	17	10	7	—	1097.8451	75.8	1	I
15	12	4	+	16	12	5	+	1097.8534	78.0	3	I
15	12	4	—	16	12	5	—	1097.8818	82.5	4	I
17	7	11	+	18	7	12	+	1097.8880	59.8	0	I
17	7	11	—	18	7	12	—	1097.8940	61.6	1	I
68	5	63	—	68	7	62	—	1097.9140	31.1	2	II
23	1	23	—	23	1	22	—	1097.9685	94.9	-2	I
18	1	17	+	19	1	18	+	1098.0108	26.7	4	I
18	1	17	—	19	1	18	—	1098.0108	26.7	-4	I
17	6	12	+	18	6	13	+	1098.0656	54.7	1	I
17	6	12	—	18	6	13	—	1098.0690	56.0	1	I
16	9	7	+	17	9	8	+	1098.1016	69.1	1	I
16	9	7	—	17	9	8	—	1098.1149	71.7	1	I
19	1	19	—	20	1	20	—	1098.1275	21.1	0	I
19	1	19	+	20	1	20	+	1098.1275	21.1	0	I
14	13	1	+	15	13	2	+	1098.1476	92.9	0	I
32	27	5	+	32	27	6	+	1098.1548	88.8	2	II
32	27	5	—	32	27	6	—	1098.1739	76.3	3	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
15	11	5	+	16	11	6	+	1098.1864	68.4	-1	I
17	5	13	+	18	5	14	+	1098.2074	37.4	6	I
17	5	13	-	18	5	14	-	1098.2074	37.4	-6	I
39	26	14	-	39	26	13	-	1098.2283	87.0	8	II
31	27	5	+	31	27	4	+	1098.2401	55.9	5	II
31	27	5	-	31	27	4	-	1098.2596	88.9	5	II
17	4	14	+	18	4	15	+	1098.3166	27.9	-2	I
17	4	14	-	18	4	15	-	1098.3166	27.9	3	I
16	8	8	+	17	8	9	+	1098.3448	65.2	0	I
16	8	8	-	17	8	9	-	1098.3547	67.2	1	I
29	27	3	+	29	27	2	+	1098.4011	67.4	-2	II
37	26	12	+	37	26	11	+	1098.4218	75.6	0	II
29	27	3	-	29	27	2	-	1098.4218	75.6	-1	II
43	25	19	+	43	25	18	+	1098.4507	88.2	1	II
17	3	15	+	18	3	16	+	1098.4663	27.6	-4	I
17	3	15	-	18	3	16	-	1098.4663	27.6	5	I
28	27	1	+	28	27	2	+	1098.4780	82.5	-1	II
15	10	6	+	16	10	7	+	1098.4904	76.9	0	I
15	10	6	-	16	10	7	-	1098.5097	72.8	3	I
14	12	2	+	15	12	3	+	1098.5097	72.8	-10	I
14	12	2	-	15	12	3	-	1098.5425	89.3	0	I
27	27	1	+	27	27	0	+	1098.5519	75.0	-3	II
16	7	9	+	17	7	10	+	1098.5569	61.0	0	I
16	7	9	-	17	7	10	-	1098.5638	62.5	1	I
27	27	1	-	27	27	0	-	1098.5741	73.7	2	II
35	26	10	+	35	26	9	+	1098.6201	88.2	-4	II
35	26	10	-	35	26	9	-	1098.6378	88.2	5	II
41	25	17	+	41	25	16	+	1098.6876	89.9	1	II
18	0	18	+	19	0	19	+	1098.7272	20.6	1	I
18	0	18	-	19	0	19	-	1098.7272	20.6	-1	I
16	6	10	+	17	6	11	+	1098.7364	53.7	0	I
16	6	10	-	17	6	11	-	1098.7406	57.3	1	I
15	9	7	+	16	9	8	+	1098.7646	67.7	1	I
15	9	7	-	16	9	8	-	1098.7796	73.1	1	I
17	2	16	+	18	2	17	+	1098.8041	22.4	-1	I
17	2	16	-	18	2	17	-	1098.8041	22.4	2	I
16	2	14	-	17	2	15	-	1098.8242	45.0	1	I
16	2	14	+	17	2	15	+	1098.8270	42.7	0	I
14	11	3	+	15	11	4	+	1098.8445	83.2	-1	I
14	11	3	-	15	11	4	-	1098.8712	84.4	1	I
16	5	11	-	17	5	12	-	1098.8799	43.1	-10	I
16	3	13	-	17	3	14	-	1098.8880	48.2	0	I
16	3	13	+	17	3	14	+	1098.8918	46.0	0	I
32	26	6	+	32	26	7	+	1098.8974	80.7	-2	II
39	25	15	+	39	25	14	+	1098.9128	87.9	-1	II
32	26	6	-	32	26	7	-	1098.9155	83.2	-1	II
16	4	12	+	17	4	13	+	1098.9635	29.9	-4	I
16	4	12	-	17	4	13	-	1098.9635	29.9	4	I
31	26	6	+	31	26	5	+	1098.9844	87.1	0	II
31	26	6	-	31	26	5	-	1099.0038	71.0	10	II
15	8	8	+	16	8	9	+	1099.0087	66.8	0	I
15	8	8	-	16	8	9	-	1099.0200	68.2	1	I
30	26	4	-	30	26	5	-	1099.0869	76.4	-4	II
43	24	20	-	43	24	19	-	1099.1290	77.3	-6	II
37	25	13	-	37	25	12	-	1099.1422	87.1	0	II
14	10	4	+	15	10	5	+	1099.1489	76.7	-1	I
13	12	2	+	14	12	3	+	1099.1646	92.2	-1	I
14	10	4	-	15	10	5	-	1099.1708	79.9	1	I
13	12	2	-	14	12	3	-	1099.2008	92.5	1	I
15	7	9	+	16	7	10	+	1099.2221	62.0	0	I
15	7	9	-	16	7	10	-	1099.2320	21.5	20	I
16	1	15	-	17	1	16	-	1099.2320	21.5	-4	I
16	1	15	+	17	1	16	+	1099.2320	21.5	1	I
27	26	2	+	27	26	1	+	1099.3039	74.8	0	II
27	26	2	-	27	26	1	-	1099.3245	79.6	2	II
35	25	11	+	35	25	10	+	1099.3296	86.1	1	II
35	25	11	-	35	25	10	-	1099.3460	69.1	6	II
17	1	17	-	18	1	18	-	1099.3525	20.9	0	I
17	1	17	+	18	1	18	+	1099.3525	20.9	0	I
41	24	18	-	41	24	17	-	1099.3706	90.0	-3	II
26	26	0	+	26	26	1	+	1099.3766	40.0	-2	II
26	26	0	-	26	26	1	-	1099.3979	64.1	0	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
21	1	21	+	21	1	20	+	1099.4035	57.0	-5	I
15	6	10	+	16	6	11	+	1099.4035	57.0	0	I
15	6	10	-	16	6	11	-	1099.4085	59.4	1	I
14	9	5	+	15	9	6	+	1099.4240	73.7	0	I
14	9	5	-	15	9	6	-	1099.4411	75.4	1	I
25	2	24	-	25	2	23	-	1099.4991	86.1	-6	I
13	11	3	+	14	11	4	+	1099.4991	86.1	-1	I
33	25	9	+	33	25	8	+	1099.5207	77.4	0	II
13	11	3	-	14	11	4	-	1099.5293	87.0	1	I
15	5	11	+	16	5	12	+	1099.5505	49.2	2	I
15	5	11	-	16	5	12	-	1099.5526	51.5	0	I
39	24	16	+	39	24	15	+	1099.5865	91.0	-3	II
39	24	16	-	39	24	15	-	1099.6004	82.9	-3	II
32	25	7	+	32	25	8	+	1099.6121	82.6	1	II
32	25	7	-	32	25	8	-	1099.6290	75.0	0	II
15	4	12	+	16	4	13	+	1099.6631	28.0	1	I
15	4	12	-	16	4	13	-	1099.6631	28.0	0	I
14	8	6	+	15	8	7	+	1099.6690	67.5	0	I
14	8	6	-	15	8	7	-	1099.6819	69.7	1	I
31	25	7	+	31	25	6	+	1099.7004	56.7	-1	II
38	24	14	-	38	24	15	-	1099.7112	87.2	-1	II
31	25	7	-	31	25	6	-	1099.7182	83.5	3	II
43	23	21	+	43	23	20	+	1099.7552	89.3	-3	II
43	23	21	-	43	23	20	-	1099.7674	91.5	-5	II
15	3	13	+	16	3	14	+	1099.7864	27.5	-1	I
15	3	13	-	16	3	14	-	1099.7864	27.5	5	I
13	10	4	+	14	10	5	+	1099.8043	80.0	1	I
12	12	0	+	13	12	1	+	1099.8151	94.7	0	I
13	10	4	-	14	10	5	-	1099.8289	83.0	1	I
29	25	5	+	29	25	4	+	1099.8692	76.3	1	II
14	7	7	+	15	7	8	+	1099.8835	63.1	0	I
29	25	5	-	29	25	4	-	1099.8877	45.7	4	II
14	7	7	-	15	7	8	-	1099.8928	64.8	1	I
36	24	12	+	36	24	13	+	1099.9092	85.1	2	II
16	0	16	+	17	0	17	+	1099.9374	21.7	2	I
16	0	16	-	17	0	17	-	1099.9374	21.7	-2	I
28	25	3	+	28	25	4	+	1099.9492	75.5	1	II
28	25	3	-	28	25	4	-	1099.9680	78.5	2	II
41	23	19	+	41	23	18	+	1100.0004	54.5	0	II
41	23	19	-	41	23	18	-	1100.0132	52.7	1	II
27	25	3	+	27	25	2	+	1100.0262	68.2	-2	II
35	24	12	-	35	24	11	-	1100.0262	68.2	6	II
27	25	3	-	27	25	2	-	1100.0450	62.1	-5	II
15	2	14	-	16	2	15	-	1100.0651	19.6	4	I
15	2	14	+	16	2	15	+	1100.0651	19.6	0	I
14	6	8	+	15	6	9	+	1100.0651	19.6	-14	I
14	6	8	-	15	6	9	-	1100.0724	59.7	1	I
13	9	5	+	14	9	6	+	1100.0799	75.0	1	I
13	9	5	-	14	9	6	-	1100.0996	73.2	3	I
26	25	1	+	26	25	2	+	1100.0996	73.2	-11	I
34	24	10	+	34	24	11	+	1100.1095	82.2	1	II
26	25	1	-	26	25	2	-	1100.1204	86.5	-1	I
34	24	10	-	34	24	11	-	1100.1247	82.1	1	II
12	11	1	+	13	11	2	+	1100.1501	90.5	0	I
25	25	1	+	25	25	0	+	1100.1722	67.2	0	II
47	6	42	+	47	6	41	+	1100.1725	96.9	-10	I
12	11	1	-	13	11	2	-	1100.1847	89.7	1	I
14	2	12	-	15	2	13	-	1100.1908	46.7	1	I
14	2	12	+	15	2	13	+	1100.1943	44.5	0	I
33	24	10	+	33	24	9	+	1100.2052	77.7	0	II
14	5	9	+	15	5	10	+	1100.2155	53.3	1	I
14	5	9	-	15	5	10	-	1100.2184	54.6	1	I
39	23	17	-	39	23	16	-	1100.2463	86.2	-2	II
14	3	11	-	15	3	12	-	1100.3021	49.0	2	I
14	3	11	+	15	3	12	+	1100.3049	46.4	0	I
14	4	10	-	15	4	11	-	1100.3190	29.6	-1	I
14	4	10	+	15	4	11	+	1100.3190	29.6	2	I
13	8	6	+	14	8	7	+	1100.3256	69.4	0	I
13	8	6	-	14	8	7	-	1100.3406	70.6	1	I
38	23	15	-	38	23	16	-	1100.3585	86.9	-2	II
31	24	8	+	31	24	7	+	1100.3883	79.5	1	II
31	24	8	-	31	24	7	-	1100.4047	79.8	2	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
12	10	2	+	13	10	3	+	1100.4558	83.2	0	I
14	1	13	-	15	1	14	-	1100.4669	24.6	1	I
14	1	13	+	15	1	14	+	1100.4669	24.6	-3	I
30	24	6	+	30	24	7	+	1100.4750	65.1	-5	II
12	10	2	-	13	10	3	-	1100.4841	85.1	0	I
30	24	6	-	30	24	7	-	1100.4926	50.1	5	II
13	7	7	+	14	7	8	+	1100.5412	65.2	1	I
13	7	7	-	14	7	8	-	1100.5520	65.6	1	I
29	24	6	+	29	24	5	+	1100.5609	52.3	11	II
36	23	13	+	36	23	14	+	1100.5609	52.3	1	II
15	1	15	-	16	1	16	-	1100.5688	21.3	1	I
15	1	15	+	16	1	16	+	1100.5688	21.3	0	I
29	24	6	-	29	24	5	-	1100.5769	71.8	1	II
41	22	20	+	41	22	19	+	1100.6166	62.9	2	II
41	22	20	-	41	22	19	-	1100.6288	56.1	5	II
28	24	4	+	28	24	5	+	1100.6413	71.2	1	II
28	24	4	-	28	24	5	-	1100.6589	67.8	1	II
35	23	13	+	35	23	12	+	1100.6640	80.4	1	II
35	23	13	-	35	23	12	-	1100.6787	55.4	7	II
64	14	50	-	64	14	51	-	1100.6847	79.3	-3	II
27	24	4	+	27	24	3	+	1100.7199	62.4	2	II
13	6	8	+	14	6	9	+	1100.7257	59.4	0	I
13	6	8	-	14	6	9	-	1100.7326	51.2	-1	I
12	9	3	+	13	9	4	+	1100.7326	51.2	5	I
27	24	4	-	27	24	3	-	1100.7401	19.9	23	II
12	9	3	-	13	9	4	-	1100.7547	79.6	1	I
34	23	11	+	34	23	12	+	1100.7639	69.6	-4	II
34	23	11	-	34	23	12	-	1100.7788	61.8	2	II
11	11	1	+	12	11	2	+	1100.7974	42.6	-2	II
26	24	2	+	26	24	3	+	1100.7974	42.6	19	II
26	24	2	-	26	24	3	-	1100.8142	68.2	2	II
19	1	19	+	19	1	18	+	1100.8269	94.1	-1	I
11	11	1	-	12	11	2	-	1100.8369	92.8	-3	I
33	23	11	+	33	23	10	+	1100.8618	75.9	1	II
39	22	18	-	39	22	17	-	1100.8647	86.7	-3	II
25	24	2	+	25	24	1	+	1100.8684	59.7	1	II
13	5	9	+	14	5	10	+	1100.8773	54.8	0	I
33	23	11	-	33	23	10	-	1100.8773	54.8	5	I
13	5	9	-	14	5	10	-	1100.8811	57.2	1	I
25	24	2	-	25	24	1	-	1100.8874	56.5	0	II
63	14	50	-	63	14	49	-	1100.8912	81.9	-2	II
24	24	0	+	24	24	1	+	1100.9384	60.1	1	II
24	24	0	-	24	24	1	-	1100.9581	60.5	0	II
38	22	16	+	38	22	17	+	1100.9665	83.8	0	II
32	23	9	-	32	23	10	-	1100.9718	62.0	8	II
12	8	4	+	13	8	5	+	1100.9787	72.2	1	I
13	4	10	+	14	4	11	+	1100.9952	31.4	9	I
13	4	10	-	14	4	11	-	1100.9952	31.4	-3	I
12	8	4	-	13	8	5	-	1100.9952	31.4	-7	I
31	23	9	+	31	23	8	+	1101.0475	43.7	-2	II
31	23	9	-	31	23	8	-	1101.0630	77.4	1	II
37	22	16	+	37	22	15	+	1101.0768	73.2	-4	II
42	21	21	+	42	21	22	+	1101.0814	77.6	1	II
13	3	11	+	14	3	12	+	1101.1017	27.1	0	I
13	3	11	-	14	3	12	-	1101.1017	27.1	3	I
14	0	14	+	15	0	15	+	1101.1338	23.4	2	I
14	0	14	-	15	0	15	-	1101.1338	23.4	-2	I
30	23	7	-	30	23	8	-	1101.1522	60.3	4	II
23	2	22	-	23	2	21	-	1101.1747	98.0	-10	I
12	7	5	+	13	7	6	+	1101.1952	67.2	1	I
12	7	5	-	13	7	6	-	1101.2079	69.9	1	I
41	21	21	-	41	21	20	-	1101.2165	52.8	-2	II
29	23	7	+	29	23	6	+	1101.2219	53.5	0	II
23	2	22	+	23	2	21	+	1101.2273	55.0	7	II
29	23	7	-	29	23	6	-	1101.2380	70.9	1	II
35	22	14	+	35	22	13	+	1101.2897	80.1	0	II
35	22	14	-	35	22	13	-	1101.3025	57.3	-2	II
28	23	5	+	28	23	6	+	1101.3047	59.9	0	II
28	23	5	-	28	23	6	-	1101.3203	41.2	-8	II
13	2	12	-	14	2	13	-	1101.3251	25.5	3	I
13	2	12	+	14	2	13	+	1101.3251	25.5	-2	I
11	9	3	+	12	9	4	+	1101.3809	52.7	3	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
12	6	6	+	13	6	7	+	1101.3809	52.7	-1	I
27	23	5	+	27	23	4	+	1101.3845	52.6	0	II
12	6	6	-	13	6	7	-	1101.3895	64.3	1	I
27	23	5	-	27	23	4	-	1101.4014	60.1	0	II
11	9	3	-	12	9	4	-	1101.4070	82.3	1	II
39	21	19	+	39	21	18	+	1101.4449	85.1	-2	II
39	21	19	-	39	21	18	-	1101.4561	86.2	-4	II
26	23	3	+	26	23	4	+	1101.4616	55.0	1	II
26	23	3	-	26	23	4	-	1101.4789	61.7	0	II
60	14	46	-	60	14	47	-	1101.4902	66.2	2	II
33	22	12	+	33	22	11	+	1101.4902	66.2	-1	II
33	22	12	-	33	22	11	-	1101.5045	40.9	6	II
12	5	7	+	13	5	8	+	1101.5345	54.3	0	I
12	5	7	-	13	5	8	-	1101.5393	59.7	1	I
25	23	3	-	25	23	2	-	1101.5535	37.1	1	II
12	2	10	-	13	2	11	-	1101.5661	49.6	0	I
12	2	10	+	13	2	11	+	1101.5700	47.0	0	I
32	22	10	+	32	22	11	+	1101.5862	68.6	1	II
32	22	10	-	32	22	11	-	1101.6002	66.6	2	II
24	23	1	+	24	23	2	+	1101.6068	53.1	1	II
24	23	1	-	24	23	2	-	1101.6252	18.1	1	II
11	8	4	+	12	8	5	+	1101.6279	75.2	0	I
61	13	49	-	61	13	48	-	1101.6413	78.4	-1	II
12	4	8	+	13	4	9	+	1101.6501	42.0	3	I
12	4	8	-	13	4	9	-	1101.6501	42.0	-13	I
11	8	4	-	12	8	5	-	1101.6501	42.0	18	I
23	23	1	+	23	23	0	+	1101.6747	38.2	-2	II
12	3	9	+	13	3	10	+	1101.6828	40.6	-8	I
37	21	17	-	37	21	16	-	1101.6832	40.6	-10	I
31	22	10	-	31	22	9	-	1101.6937	40.4	6	II
23	23	1	-	23	23	0	-	1101.6937	40.4	-2	II
12	1	11	-	13	1	12	-	1101.7223	33.4	7	I
12	1	11	+	13	1	12	+	1101.7223	33.4	-9	I
10	10	0	+	11	10	1	+	1101.7480	93.4	2	I
62	12	50	+	62	12	51	+	1101.7543	95.3	-17	II
62	12	50	-	62	12	51	-	1101.7614	45.2	3	II
30	22	8	+	30	22	9	+	1101.7690	60.8	2	II
13	1	13	-	14	1	14	-	1101.7773	20.1	0	I
13	1	13	+	14	1	14	+	1101.7773	20.1	-1	I
10	10	0	-	11	10	1	-	1101.7864	92.9	2	I
36	21	15	-	36	21	16	-	1101.7938	55.6	2	II
63	11	53	-	63	11	52	-	1101.8197	66.1	-4	II
60	13	47	-	60	13	48	-	1101.8400	75.8	9	II
11	7	5	+	12	7	6	+	1101.8454	69.2	0	I
11	7	5	-	12	7	6	-	1101.8605	71.3	1	I
29	22	8	-	29	22	7	-	1101.8707	64.1	1	II
63	10	54	-	63	10	53	-	1101.8769	96.8	8	II
35	21	15	+	35	21	14	+	1101.8876	71.1	-2	II
35	21	15	-	35	21	14	-	1101.8999	69.7	-1	II
28	22	6	+	28	22	7	+	1101.9400	60.4	2	II
28	22	6	-	28	22	7	-	1101.9551	60.2	1	II
61	12	50	+	61	12	49	+	1101.9551	60.2	-12	II
61	12	50	-	61	12	49	-	1101.9594	94.2	-20	II
66	10	56	-	66	10	57	-	1101.9642	11.7	-7	II
34	21	13	+	34	21	14	+	1101.9908	53.8	-1	II
34	21	13	-	34	21	14	-	1102.0033	68.4	1	II
39	20	20	+	39	20	19	+	1102.0100	75.8	-3	II
45	6	40	-	45	6	39	-	1102.0155	92.7	2	I
27	22	6	+	27	22	5	+	1102.0208	48.3	0	II
10	9	1	+	11	9	2	+	1102.0253	85.9	-1	I
11	6	6	+	12	6	7	+	1102.0324	64.8	0	I
27	22	6	-	27	22	5	-	1102.0368	33.0	3	II
55	15	41	-	55	15	40	-	1102.0368	33.0	0	II
11	6	6	-	12	6	7	-	1102.0427	66.8	1	II
10	9	1	-	11	9	2	-	1102.0565	87.6	1	I
62	11	51	+	62	11	52	+	1102.0635	53.9	-4	II
62	11	51	-	62	11	52	-	1102.0674	61.4	-18	II
33	21	13	+	33	21	12	+	1102.0902	28.4	-8	II
26	22	4	+	26	22	5	+	1102.0990	54.1	1	II
33	21	13	-	33	21	12	-	1102.1035	60.7	-2	II
26	22	4	-	26	22	5	-	1102.1151	57.0	0	II
38	20	18	+	38	20	19	+	1102.1270	23.2	2	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
60	12	48	+	60	12	49	+	1102.1578	93.1	8	II
25	22	4	+	25	22	3	+	1102.1742	40.2	1	II
11	5	7	+	12	5	8	+	1102.1878	58.5	1	I
32	21	11	+	32	21	12	+	1102.1878	58.5	-7	I
25	22	4	-	25	22	3	-	1102.1939	61.2	28	I
11	5	7	-	12	5	8	-	1102.1939	61.2	0	I
32	21	11	-	32	21	12	-	1102.2041	24.8	31	II
54	15	39	-	54	15	40	-	1102.2122	5.6	9	II
56	14	42	+	56	14	43	+	1102.2355	87.9	11	II
56	14	42	-	56	14	43	-	1102.2402	72.2	-1	II
37	20	18	+	37	20	17	+	1102.2402	72.2	-1	II
24	22	2	+	24	22	3	+	1102.2463	47.4	1	II
24	22	2	-	24	22	3	-	1102.2634	44.1	1	II
10	8	2	+	11	8	3	+	1102.2736	79.5	1	I
31	21	11	+	31	21	10	+	1102.2824	64.2	2	II
31	21	11	-	31	21	10	-	1102.2977	81.1	23	I
10	8	2	-	11	8	3	-	1102.2977	81.1	1	I
11	4	8	+	12	4	9	+	1102.3097	47.6	0	I
11	4	8	-	12	4	9	-	1102.3123	52.7	0	I
12	0	12	-	13	0	13	-	1102.3170	23.7	-3	I
23	22	2	+	23	22	1	+	1102.3170	23.7	15	I
12	0	12	+	13	0	13	+	1102.3170	23.7	2	I
23	22	2	-	23	22	1	-	1102.3331	42.9	0	II
27	3	25	-	27	3	24	-	1102.3421	97.0	1	I
59	12	48	+	59	12	47	+	1102.3514	74.5	-2	I
59	12	48	-	59	12	47	-	1102.3572	82.8	5	II
36	20	16	-	36	20	17	-	1102.3616	75.0	-3	II
30	21	9	+	30	21	10	+	1102.3718	42.4	-15	II
53	15	39	-	53	15	38	-	1102.3818	36.1	-6	II
22	22	0	+	22	22	1	+	1102.3818	36.1	0	II
30	21	9	-	30	21	10	-	1102.3868	62.9	0	II
22	22	0	-	22	22	1	-	1102.4000	40.0	0	II
11	3	9	+	12	3	10	+	1102.4095	30.0	1	I
11	3	9	-	12	3	10	-	1102.4095	30.0	0	I
55	14	42	-	55	14	41	-	1102.4187	73.0	-9	II
35	20	16	+	35	20	15	+	1102.4580	73.0	-3	II
29	21	9	-	29	21	8	-	1102.4753	59.5	1	II
10	7	3	+	11	7	4	+	1102.4917	74.1	0	I
10	7	3	-	11	7	4	-	1102.5097	71.5	-1	I
28	21	7	+	28	21	8	+	1102.5468	45.3	2	II
58	12	46	-	58	12	47	-	1102.5493	36.1	-2	II
28	21	7	-	28	21	8	-	1102.5585	27.5	-22	II
39	19	21	-	39	19	20	-	1102.5585	27.5	5	II
11	2	10	+	12	2	11	+	1102.5845	28.6	-2	I
11	2	10	-	12	2	11	-	1102.5845	28.6	3	I
49	16	34	-	49	16	33	-	1102.6168	58.0	0	II
27	21	7	+	27	21	6	+	1102.6287	47.5	0	II
27	21	7	-	27	21	6	-	1102.6429	45.7	-3	II
55	8	48	-	55	8	47	-	1102.6429	45.7	-11	II
33	20	14	+	33	20	13	+	1102.6640	17.7	0	II
9	9	1	+	10	9	2	+	1102.6641	87.7	-22	I
38	19	19	+	38	19	20	+	1102.6660	23.5	-1	II
10	6	4	+	11	6	5	+	1102.6799	66.6	0	I
10	6	4	-	11	6	5	-	1102.6924	70.0	0	I
9	9	1	-	10	9	2	-	1102.7037	91.9	4	I
51	15	37	+	51	15	36	+	1102.7081	41.3	-2	II
26	21	5	+	26	21	6	+	1102.7081	41.3	3	II
51	15	37	-	51	15	36	-	1102.7148	63.6	0	II
26	21	5	-	26	21	6	-	1102.7227	27.8	-1	II
57	12	46	-	57	12	45	-	1102.7376	93.8	-1	II
32	20	12	+	32	20	13	+	1102.7623	61.1	0	II
53	14	40	+	53	14	39	+	1102.7623	61.1	5	II
53	14	40	-	53	14	39	-	1102.7674	59.9	-4	II
48	16	32	-	48	16	33	-	1102.7706	45.0	3	II
55	13	43	+	55	13	42	+	1102.7706	45.0	5	II
32	20	12	-	32	20	13	-	1102.7743	47.0	1	II
25	21	5	+	25	21	4	+	1102.7841	44.0	1	II
10	5	5	+	11	5	6	+	1102.8368	62.1	0	I
10	5	5	-	11	5	6	-	1102.8447	65.7	1	I
31	20	12	+	31	20	11	+	1102.8572	11.6	-3	II
24	21	3	+	24	21	4	+	1102.8572	11.6	0	II
31	20	12	-	31	20	11	-	1102.8696	57.6	0	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
50	15	35	+	50	15	36	+	1102.8696	57.6	2	II
50	15	35	-	50	15	36	-	1102.8759	73.4	-3	I
9	8	2	+	10	8	3	+	1102.9152	82.0	1	II
47	16	32	-	47	16	31	-	1102.9212	88.1	7	II
23	21	3	+	23	21	2	+	1102.9301	88.3	27	I
10	2	8	-	11	2	9	-	1102.9416	50.8	1	I
9	8	2	-	10	8	3	-	1102.9451	45.1	9	I
23	21	3	-	23	21	2	-	1102.9451	45.1	14	I
10	2	8	+	11	2	9	+	1102.9451	45.1	-1	I
30	20	10	+	30	20	11	+	1102.9492	32.3	-5	II
10	4	6	+	11	4	7	+	1102.9600	55.0	1	I
10	4	6	-	11	4	7	-	1102.9634	57.7	0	I
11	1	11	-	12	1	12	-	1102.9797	25.6	1	I
11	1	11	+	12	1	12	+	1102.9797	25.6	-1	I
10	1	9	-	11	1	10	-	1102.9966	48.3	2	I
22	21	1	+	22	21	2	+	1102.9966	48.3	20	I
10	1	9	+	11	1	10	+	1102.9988	46.0	-1	I
22	21	1	-	22	21	2	-	1103.0115	21.4	0	II
35	19	17	-	35	19	16	-	1103.0115	21.4	-1	II
10	3	7	-	11	3	8	-	1103.0265	31.9	1	I
10	3	7	+	11	3	8	+	1103.0265	31.9	-1	I
49	15	35	+	49	15	34	+	1103.0265	31.9	-3	I
57	11	47	-	57	11	46	-	1103.0332	67.0	-11	II
29	20	10	+	29	20	9	+	1103.0389	40.5	0	II
39	18	22	+	39	18	21	+	1103.0588	23.0	-1	II
21	21	1	+	21	21	0	+	1103.0588	23.0	0	II
39	18	22	-	39	18	21	-	1103.0682	89.1	2	II
21	21	1	-	21	21	0	-	1103.0762	25.5	-1	II
55	12	44	+	55	12	43	+	1103.0996	45.7	-2	II
55	12	44	-	55	12	43	-	1103.1050	22.5	2	II
34	19	15	-	34	19	16	-	1103.1170	67.2	-3	II
53	13	41	+	53	13	40	+	1103.1203	93.1	-7	II
28	20	8	+	28	20	9	+	1103.1252	34.2	1	II
53	13	41	-	53	13	40	-	1103.1252	34.2	-13	II
9	7	3	+	10	7	4	+	1103.1343	74.3	0	I
28	20	8	-	28	20	9	-	1103.1379	46.1	-2	II
9	7	3	-	10	7	4	-	1103.1562	79.8	1	I
57	9	49	-	57	9	48	-	1103.1889	90.5	-5	II
48	15	33	-	48	15	34	-	1103.1889	90.5	4	II
57	9	49	+	57	9	48	+	1103.1911	93.0	0	II
33	19	15	+	33	19	14	+	1103.2089	15.5	-2	II
27	20	8	+	27	20	7	+	1103.2089	15.5	7	II
27	20	8	-	27	20	7	-	1103.2215	43.5	-1	II
56	11	45	+	56	11	46	+	1103.2215	43.5	1	II
50	14	36	+	50	14	37	+	1103.2594	89.8	3	II
57	10	48	+	57	10	47	+	1103.2656	81.9	-12	II
50	14	36	-	50	14	37	-	1103.2656	81.9	5	II
54	12	42	+	54	12	43	+	1103.2784	88.7	1	II
26	20	6	+	26	20	7	+	1103.2881	65.2	-2	I
52	13	39	-	52	13	40	-	1103.2972	46.1	4	II
26	20	6	-	26	20	7	-	1103.3023	11.5	2	II
32	19	13	+	32	19	14	+	1103.3084	58.7	-1	II
32	19	13	-	32	19	14	-	1103.3196	44.8	1	II
9	6	4	+	10	6	5	+	1103.3234	71.0	0	I
47	15	33	+	47	15	32	+	1103.3339	87.9	5	II
9	6	4	-	10	6	5	-	1103.3389	73.6	1	I
44	16	28	-	44	16	29	-	1103.3518	84.4	2	II
25	20	6	+	25	20	5	+	1103.3654	91.1	-1	I
25	20	6	-	25	20	5	-	1103.3801	81.2	5	I
55	11	45	+	55	11	44	+	1103.4009	83.8	0	II
55	11	45	-	55	11	44	-	1103.4048	38.5	-8	II
31	19	13	+	31	19	12	+	1103.4048	38.5	-1	II
31	19	13	-	31	19	12	-	1103.4160	40.3	-1	II
49	14	36	-	49	14	35	-	1103.4235	38.3	-7	II
24	20	4	+	24	20	5	+	1103.4395	29.6	0	II
53	12	42	+	53	12	41	+	1103.4540	34.6	8	II
24	20	4	-	24	20	5	-	1103.4540	34.6	-1	II
51	13	39	+	51	13	38	+	1103.4588	37.1	5	II
53	12	42	-	53	12	41	-	1103.4588	37.1	6	II
51	13	39	-	51	13	38	-	1103.4644	29.0	7	II
9	5	5	+	10	5	6	+	1103.4819	63.5	0	I
46	15	31	+	46	15	32	+	1103.4819	63.5	5	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
10	0	10	—	11	0	11	—	1103.4912	19.2	17	I
10	0	10	+	11	0	11	+	1103.4912	19.2	1	I
9	5	5	—	10	5	6	—	1103.4912	19.2	-5	I
30	19	11	—	30	19	12	—	1103.5103	21.2	7	II
23	20	4	+	23	20	3	+	1103.5103	21.2	-1	II
56	10	46	+	56	10	47	+	1103.5200	19.8	1	II
23	20	4	—	23	20	3	—	1103.5259	16.1	3	II
8	8	0	+	9	8	1	+	1103.5523	88.5	-4	I
22	20	2	+	22	20	3	+	1103.5787	24.0	1	II
54	11	43	—	54	11	44	—	1103.5883	16.6	6	II
29	19	11	+	29	19	10	+	1103.5883	16.6	0	II
8	8	0	—	9	8	1	—	1103.5883	16.6	1	II
22	20	2	—	22	20	3	—	1103.5941	26.8	-1	II
29	19	11	—	29	19	10	—	1103.5999	47.9	-1	II
9	4	6	+	10	4	7	+	1103.6084	57.4	1	I
9	4	6	—	10	4	7	—	1103.6134	63.0	1	I
50	13	37	+	50	13	38	+	1103.6220	55.0	1	II
45	15	31	+	45	15	30	+	1103.6268	66.5	6	II
50	13	37	—	50	13	38	—	1103.6268	66.5	-5	II
52	12	40	—	52	12	41	—	1103.6307	42.8	9	II
45	15	31	—	45	15	30	—	1103.6336	52.4	6	II
21	20	2	+	21	20	1	+	1103.6437	85.1	1	I
21	20	2	—	21	20	1	—	1103.6595	85.6	-3	I
28	19	9	+	28	19	10	+	1103.6750	13.5	-4	II
15	1	15	—	15	1	14	—	1103.6829	86.4	-2	I
28	19	9	—	28	19	10	—	1103.6873	43.1	-1	II
20	20	0	+	20	20	1	+	1103.7066	40.2	-2	I
9	3	7	+	10	3	8	+	1103.7066	40.2	4	I
9	3	7	—	10	3	8	—	1103.7066	40.2	-9	I
20	20	0	—	20	20	1	—	1103.7223	88.2	-1	I
47	14	34	—	47	14	33	—	1103.7327	86.0	1	II
41	16	26	+	41	16	25	+	1103.7460	36.5	-5	II
41	16	26	—	41	16	25	—	1103.7533	58.1	-6	II
27	19	9	+	27	19	8	+	1103.7595	38.4	0	II
8	7	1	+	9	7	2	+	1103.7725	75.7	-4	I
27	19	9	—	27	19	8	—	1103.7725	75.7	7	I
49	13	37	—	49	13	36	—	1103.7884	68.8	8	II
8	7	1	—	9	7	2	—	1103.7997	84.7	-1	I
9	2	8	+	10	2	9	+	1103.8424	32.4	-18	I
9	2	8	—	10	2	9	—	1103.8424	32.4	3	I
26	19	7	—	26	19	8	—	1103.8530	93.2	-1	I
40	16	24	+	40	16	25	+	1103.8739	33.2	-2	II
54	10	44	—	54	10	45	—	1103.8771	28.8	6	I
46	14	32	—	46	14	33	—	1103.8816	67.8	-1	II
40	16	24	—	40	16	25	—	1103.8816	67.8	1	II
43	15	29	+	43	15	28	+	1103.9064	40.2	2	II
25	19	7	+	25	19	6	+	1103.9184	26.5	0	II
52	11	41	+	52	11	42	+	1103.9316	13.9	2	II
25	19	7	—	25	19	6	—	1103.9316	13.9	1	II
48	13	35	+	48	13	36	+	1103.9392	74.5	1	II
48	13	35	—	48	13	36	—	1103.9443	45.1	-3	II
50	12	38	+	50	12	39	+	1103.9575	26.2	-1	II
50	12	38	—	50	12	39	—	1103.9623	61.8	1	I
8	6	2	+	9	6	3	+	1103.9623	61.8	-8	I
8	6	2	—	9	6	3	—	1103.9824	77.5	1	I
24	19	5	+	24	19	6	+	1103.9934	28.0	1	II
39	16	24	+	39	16	23	+	1103.9973	27.5	-12	II
39	16	24	—	39	16	23	—	1104.0067	19.5	6	II
24	19	5	—	24	19	6	—	1104.0067	19.5	-1	II
30	18	12	+	30	18	13	+	1104.0180	35.9	-5	II
45	14	32	+	45	14	31	+	1104.0220	76.5	3	II
30	18	12	—	30	18	13	—	1104.0285	44.2	-5	II
45	14	32	—	45	14	31	—	1104.0285	44.2	8	II
53	10	44	—	53	10	43	—	1104.0285	44.2	-10	II
25	3	23	—	25	3	22	—	1104.0317	56.2	-1	II
42	15	27	+	42	15	28	+	1104.0416	78.9	3	II
42	15	27	—	42	15	28	—	1104.0485	64.6	5	II
23	19	5	+	23	19	4	+	1104.0652	17.3	0	II
47	13	35	+	47	13	34	+	1104.0931	33.1	5	II
51	11	41	—	51	11	40	—	1104.1040	93.5	-4	II
29	18	12	+	29	18	11	+	1104.1094	41.6	-2	II
38	16	22	+	38	16	23	+	1104.1199	12.2	2	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
34	17	17	—	34	17	18	—	1104.1200	12.2	-7	II
29	18	12	—	29	18	11	—	1104.1200	12.2	-3	II
8	5	3	+	9	5	4	+	1104.1230	65.7	0	I
38	16	22	—	38	16	23	—	1104.1268	45.1	-6	II
22	19	3	+	22	19	4	+	1104.1353	69.4	14	I
8	5	3	—	9	5	4	—	1104.1353	69.4	-2	I
22	19	3	—	22	19	4	—	1104.1482	19.5	-1	II
44	14	30	—	44	14	31	—	1104.1704	69.9	0	II
9	1	9	—	10	1	10	—	1104.1772	29.1	2	I
9	1	9	+	10	1	10	+	1104.1772	29.1	-1	I
28	18	10	+	28	18	11	+	1104.1976	25.3	0	II
21	19	3	+	21	19	2	+	1104.1998	87.4	0	I
28	18	10	—	28	18	11	—	1104.2083	38.1	-3	II
52	10	42	+	52	10	43	+	1104.2145	18.0	-16	II
33	17	17	+	33	17	16	+	1104.2145	18.0	-17	II
21	19	3	—	21	19	2	—	1104.2146	87.8	0	I
33	17	17	—	33	17	16	—	1104.2257	28.9	4	II
37	16	22	+	37	16	21	+	1104.2381	96.5	3	I
46	13	33	+	46	13	34	+	1104.2430	82.1	1	II
37	16	22	—	37	16	21	—	1104.2460	92.2	4	I
8	4	4	+	9	4	5	+	1104.2512	59.2	2	I
8	4	4	—	9	4	5	—	1104.2580	59.2	1	I
20	19	1	+	20	19	2	+	1104.2626	86.0	0	I
50	11	39	+	50	11	40	+	1104.2660	82.5	-1	II
50	11	39	—	50	11	40	—	1104.2709	88.6	1	II
48	12	36	+	48	12	37	+	1104.2776	81.3	6	I
20	19	1	—	20	19	2	—	1104.2776	81.3	-3	I
27	18	10	+	27	18	9	+	1104.2825	71.2	0	I
48	12	36	—	48	12	37	—	1104.2825	71.2	5	I
8	1	7	—	9	1	8	—	1104.2857	53.3	2	I
8	1	7	+	9	1	8	+	1104.2884	45.7	-2	I
27	18	10	—	27	18	9	—	1104.2937	85.6	0	I
8	2	6	—	9	2	7	—	1104.3045	56.3	1	I
51	8	44	+	51	8	43	+	1104.3072	53.3	8	I
8	2	6	+	9	2	7	+	1104.3072	53.3	0	I
43	14	30	—	43	14	29	—	1104.3102	14.4	4	II
32	17	15	+	32	17	16	+	1104.3177	45.2	1	II
19	19	1	+	19	19	0	+	1104.3223	84.7	0	I
32	17	15	—	32	17	16	—	1104.3271	48.6	3	II
8	3	5	+	9	3	6	+	1104.3380	46.9	4	I
19	19	1	—	19	19	0	—	1104.3380	46.9	-2	I
8	3	5	—	9	3	6	—	1104.3380	46.9	-16	I
36	16	20	+	36	16	21	+	1104.3527	60.6	1	II
26	18	8	+	26	18	9	+	1104.3641	91.4	-3	I
26	18	8	—	26	18	9	—	1104.3758	92.2	-1	I
45	13	33	+	45	13	32	+	1104.3899	79.9	0	II
7	7	1	+	8	7	2	+	1104.4078	79.2	6	I
31	17	15	+	31	17	14	+	1104.4159	27.9	1	II
39	15	25	+	39	15	24	+	1104.4270	29.4	-2	II
39	15	25	—	39	15	24	—	1104.4342	37.7	1	II
7	7	1	—	8	7	2	—	1104.4390	88.6	-20	I
25	18	8	+	25	18	7	+	1104.4429	20.7	-3	II
25	18	8	—	25	18	7	—	1104.4549	27.7	-1	II
35	16	20	+	35	16	19	+	1104.4644	61.8	1	II
35	16	20	—	35	16	19	—	1104.4723	61.9	0	II
30	17	13	+	30	17	14	+	1104.5115	21.2	6	II
24	18	6	+	24	18	7	+	1104.5190	18.4	2	II
24	18	6	—	24	18	7	—	1104.5307	17.9	-3	II
44	13	31	—	44	13	32	—	1104.5397	71.2	7	I
38	15	23	+	38	15	24	+	1104.5498	52.7	4	II
50	10	40	+	50	10	41	+	1104.5498	52.7	-1	II
38	15	23	—	38	15	24	—	1104.5563	62.7	0	II
41	14	28	+	41	14	27	+	1104.5729	45.5	3	II
34	16	18	+	34	16	19	+	1104.5729	45.5	0	II
41	14	28	—	41	14	27	—	1104.5787	71.9	-1	II
34	16	18	—	34	16	19	—	1104.5809	57.3	0	II
48	11	37	+	48	11	38	+	1104.5875	77.0	0	II
46	12	34	—	46	12	35	—	1104.5875	77.0	-3	II
23	18	6	+	23	18	5	+	1104.5915	17.8	0	II
48	11	37	—	48	11	38	—	1104.5915	17.8	-5	II
7	6	2	+	8	6	3	+	1104.5986	81.1	0	I
23	18	6	—	23	18	5	—	1104.6037	85.8	-4	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
29	17	13	—	29	17	12	—	1104.6126	40.5	0	II
7	6	2	—	8	6	3	—	1104.6227	66.5	-4	I
22	18	4	+	22	18	5	+	1104.6612	85.3	1	I
8	0	8	—	9	0	9	—	1104.6654	32.4	1	I
8	0	8	+	9	0	9	+	1104.6654	32.4	-2	I
43	13	31	+	43	13	30	+	1104.6739	12.7	1	II
22	18	4	—	22	18	5	—	1104.6740	86.2	0	I
43	13	31	—	43	13	30	—	1104.6784	46.9	-9	II
33	16	18	+	33	16	17	+	1104.6784	46.9	2	II
33	16	18	—	33	16	17	—	1104.6863	54.1	-1	II
28	17	11	+	28	17	12	+	1104.6918	35.9	1	II
28	17	11	—	28	17	12	—	1104.7018	24.2	1	II
40	14	26	+	40	14	27	+	1104.7018	24.2	-4	II
40	14	26	—	40	14	27	—	1104.7092	41.3	8	II
49	10	40	—	49	10	39	—	1104.7122	54.7	2	II
21	18	4	+	21	18	3	+	1104.7275	85.5	0	I
45	12	34	—	45	12	33	—	1104.7359	96.2	1	I
21	18	4	—	21	18	3	—	1104.7408	87.6	-1	II
47	11	37	—	47	11	36	—	1104.7473	88.5	-1	II
7	5	3	+	8	5	4	+	1104.7598	75.5	0	I
27	17	11	+	27	17	10	+	1104.7763	70.5	-12	I
7	5	3	—	8	5	4	—	1104.7763	70.5	2	I
32	16	16	+	32	16	17	+	1104.7804	44.8	0	II
27	17	11	—	27	17	10	—	1104.7872	13.2	-4	II
32	16	16	—	32	16	17	—	1104.7872	13.2	-13	II
20	18	2	+	20	18	3	+	1104.7910	82.6	1	I
36	15	21	—	36	15	22	—	1104.7910	82.6	-3	I
20	18	2	—	20	18	3	—	1104.8048	85.9	0	I
42	13	29	+	42	13	30	+	1104.8115	93.8	7	I
39	14	26	—	39	14	25	—	1104.8346	67.7	-2	II
19	18	2	+	19	18	1	+	1104.8512	82.7	0	I
26	17	9	+	26	17	10	+	1104.8601	90.9	1	I
19	18	2	—	19	18	1	—	1104.8656	83.9	-1	II
48	10	38	+	48	10	39	+	1104.8705	23.6	-11	II
26	17	9	—	26	17	10	—	1104.8705	23.6	0	II
48	10	38	—	48	10	39	—	1104.8753	74.9	-5	II
31	16	16	+	31	16	15	+	1104.8797	38.3	2	II
7	4	4	+	8	4	5	+	1104.8900	68.0	0	I
7	4	4	—	8	4	5	—	1104.8993	70.7	0	I
35	15	21	—	35	15	20	—	1104.9038	50.6	-1	II
18	18	0	+	18	18	1	+	1104.9085	81.4	0	I
18	18	0	—	18	18	1	—	1104.9234	82.1	-1	I
25	17	9	+	25	17	8	+	1104.9396	90.6	1	I
41	13	29	—	41	13	28	—	1104.9504	88.5	3	I
25	17	9	—	25	17	8	—	1104.9504	88.5	1	I
38	14	24	—	38	14	25	—	1104.9581	96.6	2	I
30	16	14	+	30	16	15	+	1104.9754	93.0	0	I
30	16	14	—	30	16	15	—	1104.9842	72.1	2	I
7	3	5	+	8	3	6	+	1104.9894	62.2	0	I
7	3	5	—	8	3	6	—	1104.9931	65.5	0	I
34	15	19	+	34	15	20	+	1105.0061	48.8	0	II
34	15	19	—	34	15	20	—	1105.0135	51.5	0	II
24	17	7	+	24	17	8	+	1105.0165	82.2	5	I
43	12	32	+	43	12	31	+	1105.0165	82.2	-1	I
24	17	7	—	24	17	8	—	1105.0270	89.1	-1	II
45	11	35	+	45	11	34	+	1105.0438	59.9	-3	II
45	11	35	—	45	11	34	—	1105.0492	53.6	7	II
29	16	14	+	29	16	13	+	1105.0681	92.5	0	I
29	16	14	—	29	16	13	—	1105.0770	91.4	1	I
37	14	24	—	37	14	23	—	1105.0770	91.4	-8	I
23	17	7	+	23	17	6	+	1105.0894	84.1	1	I
7	2	6	—	8	2	7	—	1105.0973	39.3	-2	I
7	2	6	+	8	2	7	+	1105.0973	39.3	3	I
33	15	19	+	33	15	18	+	1105.1124	50.2	0	II
48	9	39	+	48	9	40	+	1105.1464	90.7	1	II
48	9	39	—	48	9	40	—	1105.1503	90.7	-3	II
22	17	5	+	22	17	6	+	1105.1593	84.2	-2	I
42	12	30	—	42	12	31	—	1105.1593	84.2	-2	I
28	16	12	—	28	16	13	—	1105.1668	91.3	1	I
22	17	5	—	22	17	6	—	1105.1712	87.2	0	I
46	10	36	+	46	10	37	+	1105.1806	79.0	1	II
36	14	22	+	36	14	23	+	1105.1882	96.0	1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
44	11	33	—	44	11	34	—	1105.1940	94.3	-1	I
35	5	31	—	35	5	30	—	1105.1940	94.3	5	I
39	13	27	+	39	13	26	+	1105.2025	96.7	3	I
39	13	27	—	39	13	26	—	1105.2077	97.2	-2	I
32	15	17	+	32	15	18	+	1105.2154	87.2	1	I
32	15	17	—	32	15	18	—	1105.2220	84.5	-9	I
35	5	31	+	35	5	30	+	1105.2220	84.5	6	I
21	17	5	+	21	17	4	+	1105.2267	84.0	1	I
6	6	0	+	7	6	1	+	1105.2298	88.8	1	I
21	17	5	—	21	17	4	—	1105.2387	86.0	0	I
27	16	12	+	27	16	11	+	1105.2442	91.2	1	I
27	16	12	—	27	16	11	—	1105.2533	91.8	-1	I
6	6	0	—	7	6	1	—	1105.2617	91.1	2	I
47	9	39	+	47	9	38	+	1105.2678	79.5	8	I
47	9	39	—	47	9	38	—	1105.2715	78.2	11	I
20	17	3	+	20	17	4	+	1105.2905	83.5	-1	I
20	17	3	—	20	17	4	—	1105.3031	84.2	-1	I
35	14	22	—	35	14	21	—	1105.3082	94.2	2	I
31	15	17	+	31	15	16	+	1105.3152	41.8	0	II
31	15	17	—	31	15	16	—	1105.3228	43.3	-1	II
26	16	10	+	26	16	11	+	1105.3273	89.7	-2	I
43	11	33	+	43	11	32	+	1105.3319	95.4	2	I
38	13	25	—	38	13	26	—	1105.3319	95.4	1	I
26	16	10	—	26	16	11	—	1105.3369	88.8	-1	I
47	8	40	+	47	8	39	+	1105.3369	88.8	4	I
47	8	40	—	47	8	39	—	1105.3369	88.8	3	I
43	11	33	—	43	11	32	—	1105.3369	88.8	7	I
19	17	3	+	19	17	2	+	1105.3517	76.1	2	I
19	17	3	—	19	17	2	—	1105.3645	81.4	-1	I
7	1	7	—	8	1	8	—	1105.3706	35.2	1	I
7	1	7	+	8	1	8	+	1105.3706	35.2	-1	I
6	5	1	+	7	5	2	+	1105.3923	80.8	0	I
18	17	1	+	18	17	2	+	1105.4087	49.5	-6	I
6	5	1	—	7	5	2	—	1105.4140	77.8	1	I
25	16	10	—	25	16	9	—	1105.4177	84.6	2	I
34	14	20	—	34	14	21	—	1105.4177	84.6	-5	I
18	17	1	—	18	17	2	—	1105.4229	80.3	-1	I
50	8	42	+	50	8	43	+	1105.4381	96.4	1	I
46	9	37	+	46	9	38	+	1105.4463	94.7	-7	I
46	9	37	—	46	9	38	—	1105.4521	90.9	11	I
37	13	25	—	37	13	24	—	1105.4521	90.9	-4	I
17	17	1	+	17	17	0	+	1105.4640	76.6	0	I
44	10	34	+	44	10	35	+	1105.4782	78.1	19	II
17	17	1	—	17	17	0	—	1105.4782	78.1	0	II
24	16	8	+	24	16	9	+	1105.4848	88.3	0	I
24	16	8	—	24	16	9	—	1105.4947	89.0	-1	I
29	15	15	+	29	15	14	+	1105.5048	73.6	-5	I
54	8	46	—	54	8	47	—	1105.5129	19.9	-7	II
33	14	20	+	33	14	19	+	1105.5187	40.8	1	II
33	14	20	—	33	14	19	—	1105.5243	70.7	-10	I
6	4	2	+	7	4	3	+	1105.5243	70.7	1	I
6	4	2	—	7	4	3	—	1105.5371	75.6	1	I
39	12	28	+	39	12	27	+	1105.5483	97.3	-1	I
36	13	23	+	36	13	24	+	1105.5644	95.7	2	I
36	13	23	—	36	13	24	—	1105.5691	85.7	-9	I
23	16	8	—	23	16	7	—	1105.5691	85.7	1	I
6	1	5	—	7	1	6	—	1105.5820	59.1	2	I
6	1	5	+	7	1	6	+	1105.5850	57.2	0	I
28	15	13	+	28	15	14	+	1105.5956	91.7	-1	I
28	15	13	—	28	15	14	—	1105.6037	91.4	0	I
41	11	31	—	41	11	30	—	1105.6114	94.4	10	I
32	14	18	+	32	14	19	+	1105.6220	61.3	-3	I
6	3	3	+	7	3	4	+	1105.6220	61.3	2	I
43	10	34	—	43	10	33	—	1105.6220	61.3	-9	I
32	14	18	—	32	14	19	—	1105.6278	65.9	-13	I
6	3	3	—	7	3	4	—	1105.6278	65.9	3	I
6	2	4	—	7	2	5	—	1105.6410	40.7	3	I
6	2	4	+	7	2	5	+	1105.6410	40.7	-4	I
22	16	6	—	22	16	7	—	1105.6410	40.7	8	I
38	12	26	+	38	12	27	+	1105.6731	97.2	0	I
35	13	23	+	35	13	22	+	1105.6784	93.0	0	I
38	12	26	—	38	12	27	—	1105.6784	93.0	2	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
27	15	13	+	27	15	12	+	1105.6829	89.2	2	I
27	15	13	—	27	15	12	—	1105.6909	68.0	-1	I
21	16	6	+	21	16	5	+	1105.6972	83.2	-1	I
21	16	6	—	21	16	5	—	1105.7081	85.2	-1	I
31	14	18	+	31	14	17	+	1105.7227	72.2	-2	I
31	14	18	—	31	14	17	—	1105.7298	93.6	0	I
40	11	29	+	40	11	30	+	1105.7388	94.5	8	I
44	9	35	+	44	9	36	+	1105.7388	94.5	-6	I
20	16	4	+	20	16	5	+	1105.7618	81.8	0	I
42	10	32	—	42	10	33	—	1105.7618	81.8	-9	I
26	15	11	+	26	15	12	+	1105.7666	88.7	-1	I
26	15	11	—	26	15	12	—	1105.7733	81.9	-20	I
20	16	4	—	20	16	5	—	1105.7733	81.9	1	I
34	13	21	+	34	13	22	+	1105.7884	82.7	-9	I
37	12	26	+	37	12	25	+	1105.7948	93.2	3	I
34	13	21	—	34	13	22	—	1105.7948	93.2	-3	I
56	8	48	+	56	8	49	+	1105.7997	96.9	-2	I
37	12	26	—	37	12	25	—	1105.7997	96.9	1	I
19	16	4	+	19	16	3	+	1105.8232	79.5	0	I
30	14	16	—	30	14	17	—	1105.8272	91.0	-1	I
19	16	4	—	19	16	3	—	1105.8350	81.6	0	I
6	0	6	+	7	0	7	+	1105.8511	44.6	-6	I
6	0	6	—	7	0	7	—	1105.8511	44.6	7	I
25	15	11	—	25	15	10	—	1105.8562	87.8	-1	I
39	11	29	+	39	11	28	+	1105.8664	95.9	-3	I
39	6	34	—	39	6	33	—	1105.8664	95.9	6	I
39	11	29	—	39	11	28	—	1105.8716	96.9	3	I
18	16	2	+	18	16	3	+	1105.8816	79.2	0	I
18	16	2	—	18	16	3	—	1105.8939	78.3	0	I
41	10	32	+	41	10	31	+	1105.8939	78.3	-10	I
33	13	21	+	33	13	20	+	1105.8970	41.9	0	II
33	13	21	—	33	13	20	—	1105.9029	45.3	0	II
29	14	16	+	29	14	15	+	1105.9147	83.3	2	I
29	14	16	—	29	14	15	—	1105.9216	91.5	0	I
24	15	9	+	24	15	10	+	1105.9252	82.7	-1	I
24	15	9	—	24	15	10	—	1105.9340	83.5	-2	I
17	16	2	+	17	16	1	+	1105.9368	75.5	0	I
17	16	2	—	17	16	1	—	1105.9496	77.7	0	I
16	16	0	+	16	16	1	+	1105.9889	73.6	0	I
38	11	27	—	38	11	28	—	1105.9968	67.0	1	II
32	13	19	+	32	13	20	+	1106.0020	70.0	6	I
16	16	0	—	16	16	1	—	1106.0020	70.0	-2	I
28	14	14	+	28	14	15	+	1106.0056	89.2	2	I
23	15	9	—	23	15	8	—	1106.0088	84.4	-2	I
28	14	14	—	28	14	15	—	1106.0127	90.6	0	I
42	9	33	+	42	9	34	+	1106.0204	87.8	-5	I
5	5	1	+	6	5	2	+	1106.0204	87.8	3	I
35	12	24	+	35	12	23	+	1106.0277	94.0	2	I
40	10	30	+	40	10	31	+	1106.0277	94.0	0	I
35	12	24	—	35	12	23	—	1106.0331	92.6	4	I
5	5	1	—	6	5	2	—	1106.0500	91.8	2	I
22	15	7	+	22	15	8	+	1106.0712	85.0	0	I
22	15	7	—	22	15	8	—	1106.0807	85.4	0	I
27	14	14	+	27	14	13	+	1106.0932	90.6	0	I
27	14	14	—	27	14	13	—	1106.1007	89.1	1	I
31	13	19	+	31	13	18	+	1106.1024	31.0	-3	II
31	13	19	—	31	13	18	—	1106.1087	39.9	-1	II
37	11	27	+	37	11	26	+	1106.1143	96.1	-1	I
37	11	27	—	37	11	26	—	1106.1191	96.8	2	I
34	12	22	+	34	12	23	+	1106.1394	79.1	3	I
21	15	7	+	21	15	6	+	1106.1394	79.1	0	I
21	15	7	—	21	15	6	—	1106.1492	83.0	-1	I
5	4	2	+	6	4	3	+	1106.1539	78.3	0	I
41	9	33	+	41	9	32	+	1106.1539	78.3	-3	I
39	10	30	+	39	10	29	+	1106.1574	54.7	2	II
39	10	30	—	39	10	29	—	1106.1616	60.0	3	I
5	4	2	—	6	4	3	—	1106.1721	82.9	-1	I
26	14	12	+	26	14	13	+	1106.1780	86.8	2	I
26	14	12	—	26	14	13	—	1106.1853	89.5	-1	I
30	13	17	+	30	13	18	+	1106.2008	92.0	1	I
20	15	5	+	20	15	6	+	1106.2046	80.5	1	I
20	15	5	—	20	15	6	—	1106.2146	81.4	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
36	11	25	+	36	11	26	+	1106.2335	97.1	3	I
36	11	25	−	36	11	26	−	1106.2378	96.4	1	I
33	12	22	+	33	12	21	+	1106.2475	41.2	0	II
33	12	22	−	33	12	21	−	1106.2528	44.7	0	II
5	3	3	+	6	3	4	+	1106.2568	70.9	1	I
19	15	5	+	19	15	4	+	1106.2663	58.3	-2	I
5	3	3	−	6	3	4	−	1106.2663	58.3	6	I
19	15	5	−	19	15	4	−	1106.2768	77.8	-1	I
38	10	28	+	38	10	29	+	1106.2834	96.1	0	I
42	8	34	+	42	8	35	+	1106.2834	96.1	2	I
42	8	34	−	42	8	35	−	1106.2874	94.3	2	I
38	10	28	−	38	10	29	−	1106.2874	94.3	-1	I
40	9	31	+	40	9	32	+	1106.2909	95.4	7	I
29	13	17	+	29	13	16	+	1106.2954	91.5	-1	I
29	13	17	−	29	13	16	−	1106.3018	92.4	0	I
18	15	3	+	18	15	4	+	1106.3253	77.5	0	I
18	15	3	−	18	15	4	−	1106.3365	72.9	2	I
24	14	10	−	24	14	11	−	1106.3463	59.7	9	I
5	2	4	+	6	2	5	+	1106.3463	59.7	-1	I
35	11	25	+	35	11	24	+	1106.3491	61.9	4	I
5	2	4	−	6	2	5	−	1106.3491	61.9	2	I
32	12	20	+	32	12	21	+	1106.3522	76.4	-4	I
32	12	20	−	32	12	21	−	1106.3579	94.2	-1	I
58	8	50	+	58	8	51	+	1106.3649	80.7	0	II
41	8	34	+	41	8	33	+	1106.3649	80.7	-2	II
17	15	3	+	17	15	2	+	1106.3810	74.2	0	I
28	13	15	+	28	13	16	+	1106.3870	86.2	0	I
17	15	3	−	17	15	2	−	1106.3925	72.7	1	I
58	8	50	−	58	8	51	−	1106.4028	43.7	-9	II
37	10	28	+	37	10	27	+	1106.4062	96.3	0	I
23	14	10	+	23	14	9	+	1106.4125	83.2	0	I
23	14	10	−	23	14	9	−	1106.4207	84.2	0	I
16	15	1	+	16	15	2	+	1106.4334	71.8	0	I
34	11	23	+	34	11	24	+	1106.4615	75.2	6	I
27	13	15	+	27	13	14	+	1106.4750	80.9	-4	I
27	13	15	−	27	13	14	−	1106.4827	58.1	8	I
15	15	1	+	15	15	0	+	1106.4827	58.1	-1	I
15	15	1	−	15	15	0	−	1106.4952	69.8	-1	I
36	10	26	+	36	10	27	+	1106.5260	96.1	3	I
40	8	32	+	40	8	33	+	1106.5395	74.2	12	I
40	8	32	−	40	8	33	−	1106.5418	75.2	-1	I
21	14	8	+	21	14	7	+	1106.5531	76.1	0	I
30	12	18	+	30	12	19	+	1106.5531	76.1	1	I
26	13	13	+	26	13	14	+	1106.5603	39.1	-2	I
5	1	5	−	6	1	6	−	1106.5603	39.1	1	I
21	14	8	−	21	14	7	−	1106.5603	39.1	-15	I
5	1	5	+	6	1	6	+	1106.5603	39.1	2	I
26	13	13	−	26	13	14	−	1106.5673	87.7	0	I
33	11	23	+	33	11	22	+	1106.5698	36.0	-2	II
33	11	23	−	33	11	22	−	1106.5748	27.7	2	II
27	4	24	−	27	4	23	−	1106.6072	94.5	1	I
20	14	6	+	20	14	7	+	1106.6188	79.7	0	I
20	14	6	−	20	14	7	−	1106.6277	81.7	0	I
39	8	32	+	39	8	31	+	1106.6424	83.8	-4	I
35	10	26	+	35	10	25	+	1106.6424	83.8	6	I
25	13	13	−	25	13	12	−	1106.6490	83.4	-4	I
29	12	18	+	29	12	17	+	1106.6490	83.4	7	I
29	12	18	−	29	12	17	−	1106.6539	91.7	-1	I
37	9	29	+	37	9	28	+	1106.6698	96.8	1	I
32	11	21	+	32	11	22	+	1106.6756	93.9	-1	I
32	11	21	−	32	11	22	−	1106.6810	75.5	6	I
19	14	6	+	19	14	5	+	1106.6810	75.5	-1	I
19	14	6	−	19	14	5	−	1106.6906	77.5	1	I
24	13	11	+	24	13	12	+	1106.7213	84.4	1	I
39	7	33	−	39	7	32	−	1106.7213	84.4	-3	I
39	7	33	+	39	7	32	+	1106.7213	84.4	0	I
24	13	11	−	24	13	12	−	1106.7283	86.7	-1	I
18	14	4	+	18	14	5	+	1106.7404	68.8	0	I
28	12	16	+	28	12	17	+	1106.7404	68.8	-1	I
28	12	16	−	28	12	17	−	1106.7461	90.1	-1	I
18	14	4	−	18	14	5	−	1106.7501	77.0	0	I
34	10	24	+	34	10	25	+	1106.7547	52.3	-1	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
34	10	24	—	34	10	25	—	1106.7588	53.2	0	II
31	11	21	+	31	11	20	+	1106.7784	82.5	4	I
4	4	0	+	5	4	1	+	1106.7784	82.5	-3	I
31	11	21	—	31	11	20	—	1106.7828	92.4	0	I
23	13	11	+	23	13	10	+	1106.7966	47.3	-3	I
17	14	4	+	17	14	3	+	1106.7966	47.3	2	I
17	14	4	—	17	14	3	—	1106.8064	68.8	-2	I
23	13	11	—	23	13	10	—	1106.8064	68.8	23	I
4	4	0	—	5	4	1	—	1106.8064	68.8	8	I
42	7	35	—	42	7	36	—	1106.8122	96.3	-2	I
21	3	19	—	21	3	18	—	1106.8122	96.3	-1	I
21	3	19	+	21	3	18	+	1106.8403	95.3	-11	I
16	14	2	+	16	14	3	+	1106.8493	71.2	0	I
16	14	2	—	16	14	3	—	1106.8599	71.7	0	I
33	10	24	+	33	10	23	+	1106.8642	91.9	0	I
22	13	9	+	22	13	10	+	1106.8691	79.8	-1	I
33	10	24	—	33	10	23	—	1106.8691	79.8	7	I
4	1	3	—	5	1	4	—	1106.8787	67.4	-1	I
4	3	1	+	5	3	2	+	1106.8819	56.6	-12	I
4	1	3	+	5	1	4	+	1106.8819	56.6	3	I
30	11	19	—	30	11	20	—	1106.8819	56.6	-1	I
15	14	2	+	15	14	1	+	1106.8989	63.9	-2	I
35	9	27	—	35	9	26	—	1106.9106	56.0	2	I
15	14	2	—	15	14	1	—	1106.9106	56.0	4	I
26	12	14	—	26	12	15	—	1106.9209	88.0	-1	I
21	13	9	+	21	13	8	+	1106.9386	56.8	1	I
4	2	2	+	5	2	3	+	1106.9386	56.8	1	I
4	2	2	—	5	2	3	—	1106.9423	73.9	1	I
21	13	9	—	21	13	8	—	1106.9458	53.6	-3	I
14	14	0	+	14	14	1	+	1106.9458	53.6	1	I
14	14	0	—	14	14	1	—	1106.9573	66.9	0	I
32	10	22	+	32	10	23	+	1106.9709	31.4	4	II
29	11	19	+	29	11	18	+	1106.9733	88.0	1	I
29	11	19	—	29	11	18	—	1106.9781	91.2	1	I
25	12	14	+	25	12	13	+	1106.9976	87.4	1	I
25	12	14	—	25	12	13	—	1107.0042	73.1	6	I
20	13	7	+	20	13	8	+	1107.0042	73.1	-3	I
20	13	7	—	20	13	8	—	1107.0124	80.2	0	I
34	9	25	+	34	9	26	+	1107.0203	57.7	-1	I
34	9	25	—	34	9	26	—	1107.0239	53.2	-1	II
36	8	28	+	36	8	29	+	1107.0286	87.0	-6	I
36	8	28	—	36	8	29	—	1107.0316	86.0	-8	II
37	7	31	—	37	7	30	—	1107.0434	90.0	-6	I
37	7	31	+	37	7	30	+	1107.0434	90.0	9	I
4	0	4	+	5	0	5	+	1107.0556	63.8	-2	I
4	0	4	—	5	0	5	—	1107.0556	63.8	21	I
19	13	7	+	19	13	6	+	1107.0671	74.2	-1	I
28	11	17	—	28	11	18	—	1107.0705	87.1	-2	II
24	12	12	+	24	12	13	+	1107.0759	72.0	-9	I
19	13	7	—	19	13	6	—	1107.0759	72.0	4	I
24	12	12	—	24	12	13	—	1107.0830	85.3	1	I
18	13	5	+	18	13	6	+	1107.1269	74.7	0	I
33	9	25	+	33	9	24	+	1107.1305	91.7	1	I
18	13	5	—	18	13	6	—	1107.1354	74.3	-1	I
35	8	28	+	35	8	27	+	1107.1411	94.9	-4	I
35	6	30	+	35	6	29	+	1107.1530	82.5	-1	I
23	12	12	+	23	12	11	+	1107.1530	82.5	1	I
23	12	12	—	23	12	11	—	1107.1595	80.7	4	I
27	11	17	—	27	11	16	—	1107.1595	80.7	-7	I
31	5	27	—	31	5	26	—	1107.1730	92.0	10	I
30	10	20	+	30	10	21	+	1107.1730	92.0	-2	I
30	10	20	—	30	10	21	—	1107.1776	93.4	2	I
17	13	5	+	17	13	4	+	1107.1834	72.3	0	I
17	13	5	—	17	13	4	—	1107.1923	74.7	0	I
60	8	52	+	60	8	53	+	1107.2257	82.6	-1	I
22	12	10	+	22	12	11	+	1107.2257	82.6	0	I
48	7	41	+	48	7	42	+	1107.2322	82.8	1	I
22	12	10	—	22	12	11	—	1107.2322	82.8	0	I
32	9	23	+	32	9	24	+	1107.2367	67.9	-6	I
16	13	3	+	16	13	4	+	1107.2367	67.9	1	I
26	11	15	+	26	11	16	+	1107.2412	84.1	-1	I
32	9	23	—	32	9	24	—	1107.2412	84.1	3	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
26	11	15	—	26	11	16	—	1107.2460	65.8	-4	I
16	13	3	—	16	13	4	—	1107.2460	65.8	1	I
34	8	26	—	34	8	27	—	1107.2615	72.6	-5	I
29	10	20	+	29	10	19	+	1107.2696	91.7	-1	I
29	10	20	—	29	10	19	—	1107.2740	92.2	1	I
15	13	3	+	15	13	2	+	1107.2867	66.5	0	I
21	12	10	+	21	12	9	+	1107.2961	62.7	9	I
15	13	3	—	15	13	2	—	1107.2961	62.7	-4	I
21	12	10	—	21	12	9	—	1107.3020	82.0	0	I
35	7	29	—	35	7	28	—	1107.3193	92.6	-9	I
25	11	15	+	25	11	14	+	1107.3240	80.3	-2	I
25	11	15	—	25	11	14	—	1107.3295	85.0	0	I
14	13	1	+	14	13	2	+	1107.3336	63.9	0	I
31	9	23	—	31	9	22	—	1107.3439	62.8	-5	I
14	13	1	—	14	13	2	—	1107.3439	62.8	0	I
28	10	18	+	28	10	19	+	1107.3619	75.5	-8	I
20	12	8	+	20	12	9	+	1107.3619	75.5	3	I
33	8	26	+	33	8	25	+	1107.3684	75.9	9	I
20	12	8	—	20	12	9	—	1107.3684	75.9	-2	I
13	13	1	+	13	13	0	+	1107.3774	60.8	0	I
13	13	1	—	13	13	0	—	1107.3882	63.4	0	I
24	11	13	+	24	11	14	+	1107.4039	85.7	0	I
24	11	13	—	24	11	14	—	1107.4093	85.4	0	I
19	12	8	+	19	12	7	+	1107.4247	74.7	-2	I
19	12	8	—	19	12	7	—	1107.4320	78.8	0	I
30	9	21	+	30	9	22	+	1107.4411	91.1	1	I
30	9	21	—	30	9	22	—	1107.4448	91.6	2	I
27	10	18	+	27	10	17	+	1107.4525	88.0	-1	I
27	10	18	—	27	10	17	—	1107.4574	54.0	4	I
32	8	24	+	32	8	25	+	1107.4760	94.5	-1	I
32	8	24	—	32	8	25	—	1107.4802	82.7	10	I
23	11	13	+	23	11	12	+	1107.4802	82.7	-1	I
23	11	13	—	23	11	12	—	1107.4852	68.8	-7	I
18	12	6	+	18	12	7	+	1107.4852	68.8	3	I
34	7	27	—	34	7	28	—	1107.4923	74.8	3	I
18	12	6	—	18	12	7	—	1107.4923	74.8	0	I
3	3	1	+	4	3	2	+	1107.5055	88.0	0	I
26	10	16	—	26	10	17	—	1107.5417	66.2	-20	I
17	12	6	+	17	12	5	+	1107.5417	66.2	0	I
29	9	21	—	29	9	20	—	1107.5417	66.2	2	I
17	12	6	—	17	12	5	—	1107.5495	72.9	0	I
22	11	11	+	22	11	12	+	1107.5536	81.5	0	I
33	6	28	+	33	6	27	+	1107.5592	82.1	5	I
22	11	11	—	22	11	12	—	1107.5592	82.1	0	I
33	7	27	—	33	7	26	—	1107.5647	93.3	0	I
25	4	22	—	25	4	21	—	1107.5647	93.3	1	I
31	8	24	—	31	8	23	—	1107.5834	83.6	9	I
3	2	2	+	4	2	3	+	1107.5873	74.5	-2	I
3	2	2	—	4	2	3	—	1107.5954	62.5	-12	I
16	12	4	+	16	12	5	+	1107.5954	62.5	1	I
16	12	4	—	16	12	5	—	1107.6034	71.7	0	I
21	11	11	+	21	11	10	+	1107.6233	74.5	-4	I
21	11	11	—	21	11	10	—	1107.6295	79.8	1	I
28	9	19	—	28	9	20	—	1107.6353	91.6	2	I
15	12	4	+	15	12	3	+	1107.6457	67.1	0	I
15	12	4	—	15	12	3	—	1107.6543	66.3	1	I
30	8	22	+	30	8	23	+	1107.6803	93.4	-1	I
30	8	22	—	30	8	23	—	1107.6837	94.0	1	I
14	12	2	+	14	12	3	+	1107.6929	63.0	0	I
32	7	25	+	32	7	26	+	1107.6963	77.2	10	I
20	11	9	—	20	11	10	—	1107.6963	77.2	0	I
14	12	2	—	14	12	3	—	1107.7020	59.9	2	I
24	10	14	—	24	10	15	—	1107.7074	86.4	1	I
27	9	19	+	27	9	18	+	1107.7217	90.9	-1	I
27	9	19	—	27	9	18	—	1107.7257	90.7	2	I
13	12	2	+	13	12	1	+	1107.7370	61.3	0	I
3	1	3	—	4	1	4	—	1107.7463	47.7	2	I
13	12	2	—	13	12	1	—	1107.7463	47.7	-1	I
19	11	9	+	19	11	8	+	1107.7539	77.8	0	I
19	11	9	—	19	11	8	—	1107.7602	78.4	1	I
12	12	0	+	12	12	1	+	1107.7778	52.4	0	I
29	8	22	+	29	8	21	+	1107.7778	52.4	3	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
31	7	25	+	31	7	24	+	1107.7842	79.7	9	I
23	10	14	—	23	10	13	—	1107.7842	79.7	0	I
12	12	0	—	12	12	1	—	1107.7877	58.3	0	I
29	5	25	+	29	5	24	+	1107.7976	95.5	-2	I
26	9	17	+	26	9	18	+	1107.8088	86.0	1	I
18	11	7	+	18	11	8	+	1107.8142	72.5	-1	I
18	11	7	—	18	11	8	—	1107.8206	58.6	-1	I
19	3	17	—	19	3	16	—	1107.8364	96.1	-1	I
22	10	12	+	22	10	13	+	1107.8531	83.0	0	I
19	3	17	+	19	3	16	+	1107.8580	82.1	2	I
22	10	12	—	22	10	13	—	1107.8580	82.1	1	I
31	6	26	+	31	6	25	+	1107.8711	59.3	-9	I
17	11	7	+	17	11	6	+	1107.8711	59.3	-3	I
28	8	20	+	28	8	21	+	1107.8711	59.3	-6	I
17	11	7	—	17	11	6	—	1107.8781	66.7	0	I
25	9	17	+	25	9	16	+	1107.8925	88.9	0	I
25	9	17	—	25	9	16	—	1107.8963	86.3	0	I
16	11	5	+	16	11	6	+	1107.9252	67.2	-2	I
21	10	12	—	21	10	11	—	1107.9284	79.4	0	I
34	6	28	—	34	6	29	—	1107.9284	79.4	-2	I
16	11	5	—	16	11	6	—	1107.9324	71.7	0	I
24	9	15	—	24	9	16	—	1107.9778	50.3	9	I
15	11	5	—	15	11	4	—	1107.9834	69.2	0	I
20	10	10	+	20	10	11	+	1107.9905	79.4	-1	I
20	10	10	—	20	10	11	—	1107.9958	81.8	1	I
32	6	26	+	32	6	27	+	1108.0073	96.0	1	I
14	11	3	+	14	11	4	+	1108.0236	64.9	0	I
14	11	3	—	14	11	4	—	1108.0312	66.4	0	I
23	9	15	+	23	9	14	+	1108.0500	79.3	-1	I
26	8	18	+	26	8	19	+	1108.0500	79.3	2	I
26	8	18	—	26	8	19	—	1108.0542	66.2	11	I
23	9	15	—	23	9	14	—	1108.0542	66.2	0	I
19	10	10	+	19	10	9	+	1108.0542	66.2	-3	I
19	10	10	—	19	10	9	—	1108.0597	79.7	0	I
13	11	3	+	13	11	2	+	1108.0678	62.5	0	I
13	11	3	—	13	11	2	—	1108.0759	64.4	0	I
28	7	21	+	28	7	22	+	1108.0850	93.6	1	I
12	11	1	+	12	11	2	+	1108.1089	58.6	0	I
12	11	1	—	12	11	2	—	1108.1174	58.1	-1	I
18	10	8	—	18	10	9	—	1108.1206	75.1	0	I
29	6	24	+	29	6	23	+	1108.1242	80.3	-4	I
22	9	13	+	22	9	14	+	1108.1242	80.3	1	I
22	9	13	—	22	9	14	—	1108.1282	84.4	0	I
25	8	18	—	25	8	17	—	1108.1368	73.9	-4	I
30	6	24	+	30	6	25	+	1108.1415	85.9	3	I
11	11	1	+	11	11	0	+	1108.1467	53.0	0	I
11	11	1	—	11	11	0	—	1108.1559	57.0	0	I
17	10	8	+	17	10	7	+	1108.1727	50.7	1	I
2	1	1	+	3	1	2	+	1108.1727	50.7	2	I
27	7	21	+	27	7	20	+	1108.1727	50.7	-7	I
2	1	1	—	3	1	2	—	1108.1727	50.7	-5	I
17	10	8	—	17	10	7	—	1108.1782	75.1	0	I
21	9	13	+	21	9	12	+	1108.1949	82.6	1	I
21	9	13	—	21	9	12	—	1108.1985	81.2	-5	I
24	8	16	+	24	8	17	+	1108.2149	63.8	1	I
24	8	16	—	24	8	17	—	1108.2149	63.8	-32	I
16	10	6	+	16	10	7	+	1108.2268	72.3	0	I
27	5	23	—	27	5	22	—	1108.2327	71.0	5	I
16	10	6	—	16	10	7	—	1108.2327	71.0	0	I
26	7	19	+	26	7	20	+	1108.2625	75.4	-4	I
20	9	11	+	20	9	12	+	1108.2625	75.4	2	I
20	9	11	—	20	9	12	—	1108.2664	75.3	-2	I
26	7	19	—	26	7	20	—	1108.2664	75.3	7	I
2	0	2	—	3	0	3	—	1108.2720	80.9	2	I
23	4	20	+	23	4	19	+	1108.2746	73.5	-6	I
2	0	2	+	3	0	3	+	1108.2746	73.5	0	I
15	10	6	+	15	10	5	+	1108.2777	68.2	-1	I
15	10	6	—	15	10	5	—	1108.2839	71.1	0	I
23	8	16	+	23	8	15	+	1108.2926	85.5	3	I
23	8	16	—	23	8	15	—	1108.2960	85.6	3	I
28	6	22	+	28	6	23	+	1108.2960	85.6	-12	I
28	6	22	—	28	6	23	—	1108.3003	47.6	0	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
14	10	4	+	14	10	5	+	1108.3257	58.0	2	I
19	9	11	+	19	9	10	+	1108.3257	58.0	-7	I
14	10	4	-	14	10	5	-	1108.3317	60.9	-3	I
19	9	11	-	19	9	10	-	1108.3317	60.9	8	I
27	6	22	+	27	6	21	+	1108.3382	92.5	9	I
25	7	19	+	25	7	18	+	1108.3466	89.5	2	I
25	7	19	-	25	7	18	-	1108.3490	90.4	-2	I
22	8	14	+	22	8	15	+	1108.3667	82.4	1	I
13	10	4	+	13	10	3	+	1108.3703	43.5	2	I
22	8	14	-	22	8	15	-	1108.3703	43.5	2	I
13	10	4	-	13	10	3	-	1108.3768	61.5	-1	I
18	9	9	+	18	9	10	+	1108.3870	65.9	-4	I
18	9	9	-	18	9	10	-	1108.3919	79.2	0	I
12	10	2	+	12	10	3	+	1108.4113	58.8	0	I
12	10	2	-	12	10	3	-	1108.4186	63.1	0	I
24	7	17	-	24	7	18	-	1108.4309	90.2	0	I
21	8	14	+	21	8	13	+	1108.4376	84.3	0	I
21	8	14	-	21	8	13	-	1108.4413	84.7	2	I
17	9	9	+	17	9	8	+	1108.4451	75.0	0	I
17	9	9	-	17	9	8	-	1108.4495	45.5	-3	I
11	10	2	+	11	10	1	+	1108.4495	45.5	1	I
11	10	2	-	11	10	1	-	1108.4588	49.7	17	I
26	6	20	-	26	6	21	-	1108.4588	49.7	-31	I
26	6	20	+	26	6	21	+	1108.4588	49.7	-4	I
10	10	0	+	10	10	1	+	1108.4842	51.5	0	I
10	10	0	-	10	10	1	-	1108.4925	54.5	0	I
16	9	7	+	16	9	8	+	1108.4995	73.2	0	I
16	9	7	-	16	9	8	-	1108.5049	61.2	5	I
23	7	17	+	23	7	16	+	1108.5049	61.2	-8	I
20	8	12	+	20	8	13	+	1108.5049	61.2	-4	I
23	7	17	-	23	7	16	-	1108.5088	76.5	3	I
20	8	12	-	20	8	13	-	1108.5088	76.5	-1	I
25	6	20	-	25	6	19	-	1108.5249	91.2	2	I
25	5	21	+	25	5	20	+	1108.5507	66.7	1	I
25	5	21	-	25	5	20	-	1108.5507	66.7	10	I
15	9	7	+	15	9	6	+	1108.5507	66.7	-1	I
15	9	7	-	15	9	6	-	1108.5559	72.3	0	I
19	8	12	+	19	8	11	+	1108.5692	67.7	-6	I
19	8	12	-	19	8	11	-	1108.5735	66.1	1	I
22	7	15	-	22	7	16	-	1108.5809	65.1	-24	I
22	7	15	+	22	7	16	+	1108.5809	65.1	4	I
14	9	5	+	14	9	6	+	1108.5987	68.2	0	I
14	9	5	-	14	9	6	-	1108.6041	68.8	0	I
17	3	15	+	17	3	14	+	1108.6175	88.5	3	I
24	6	18	+	24	6	19	+	1108.6175	88.5	0	I
24	6	18	-	24	6	19	-	1108.6175	88.5	-26	I
18	8	10	+	18	8	11	+	1108.6308	77.5	-1	I
18	8	10	-	18	8	11	-	1108.6349	81.1	1	I
13	9	5	+	13	9	4	+	1108.6435	65.7	0	I
13	9	5	-	13	9	4	-	1108.6492	65.7	1	I
21	7	15	-	21	7	14	-	1108.6545	85.7	-1	I
12	9	3	+	12	9	4	+	1108.6850	45.1	0	I
12	9	3	-	12	9	4	-	1108.6909	57.0	-1	I
17	8	10	+	17	8	9	+	1108.6909	57.0	20	I
23	6	18	-	23	6	17	-	1108.6909	57.0	11	I
17	8	10	-	17	8	9	-	1108.6909	57.0	-19	I
20	7	13	+	20	7	14	+	1108.7231	50.9	34	I
11	9	3	+	11	9	2	+	1108.7231	50.9	-1	I
20	7	13	-	20	7	14	-	1108.7231	50.9	4	I
11	9	3	-	11	9	2	-	1108.7297	58.2	1	I
16	8	8	+	16	8	9	+	1108.7437	75.7	0	I
16	8	8	-	16	8	9	-	1108.7477	77.1	0	I
10	9	1	+	10	9	2	+	1108.7583	52.1	0	I
10	9	1	-	10	9	2	-	1108.7652	56.3	1	I
22	6	16	-	22	6	17	-	1108.7688	72.4	-11	I
22	6	16	+	22	6	17	+	1108.7688	72.4	14	I
19	7	13	+	19	7	12	+	1108.7848	75.8	4	I
23	5	19	+	23	5	18	+	1108.7848	75.8	-3	I
23	5	19	-	23	5	18	-	1108.7848	75.8	-8	I
9	9	1	+	9	9	0	+	1108.7900	48.2	0	I
15	8	8	-	15	8	7	-	1108.7976	48.5	-17	I
9	9	1	-	9	9	0	-	1108.7976	48.5	1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
15	8	8	+	15	8	7	+	1108.7976	48.5	25	I
28	5	23	-	28	5	24	-	1108.8136	96.5	2	I
21	6	16	+	21	6	15	+	1108.8362	88.2	1	I
21	6	16	-	21	6	15	-	1108.8384	88.6	0	I
14	8	6	+	14	8	7	+	1108.8433	70.2	1	I
18	7	11	+	18	7	12	+	1108.8478	65.7	19	I
18	7	11	-	18	7	12	-	1108.8478	65.7	-12	I
14	8	6	-	14	8	7	-	1108.8478	65.7	1	I
24	5	19	+	24	5	20	+	1108.8597	94.2	-1	I
24	5	19	-	24	5	20	-	1108.8640	94.5	0	I
13	8	6	+	13	8	5	+	1108.8881	68.9	0	I
13	8	6	-	13	8	5	-	1108.8929	69.2	0	I
17	7	11	+	17	7	10	+	1108.9042	74.3	2	I
20	6	14	-	20	6	15	-	1108.9074	70.6	-11	I
17	7	11	-	17	7	10	-	1108.9074	70.6	1	I
20	6	14	+	20	6	15	+	1108.9074	70.6	14	I
1	1	1	+	2	1	2	+	1108.9199	67.2	-2	I
12	8	4	+	12	8	5	+	1108.9299	64.2	0	I
12	8	4	-	12	8	5	-	1108.9348	63.4	1	I
16	7	9	+	16	7	10	+	1108.9590	77.8	0	I
16	7	9	-	16	7	10	-	1108.9648	52.0	25	I
22	5	17	-	22	5	18	-	1108.9648	52.0	0	I
21	5	17	-	21	5	16	-	1108.9685	49.7	-9	I
19	6	14	+	19	6	13	+	1108.9685	49.7	-16	I
11	8	4	+	11	8	3	+	1108.9685	49.7	2	I
21	5	17	+	21	5	16	+	1108.9685	49.7	4	I
11	8	4	-	11	8	3	-	1108.9733	57.0	-2	I
19	6	14	-	19	6	13	-	1108.9733	57.0	8	I
10	8	2	+	10	8	3	+	1109.0035	58.6	0	I
10	8	2	-	10	8	3	-	1109.0094	55.9	3	I
15	7	9	+	15	7	8	+	1109.0094	55.9	-12	I
15	7	9	-	15	7	8	-	1109.0141	77.2	1	I
18	6	12	+	18	6	13	+	1109.0353	48.4	31	I
18	6	12	-	18	6	13	-	1109.0353	48.4	6	I
9	8	2	+	9	8	1	+	1109.0353	48.4	-1	I
9	8	2	-	9	8	1	-	1109.0415	57.6	0	I
14	7	7	+	14	7	8	+	1109.0590	74.6	0	I
14	7	7	-	14	7	8	-	1109.0627	45.0	2	I
8	8	0	+	8	8	1	+	1109.0640	45.0	-2	I
8	8	0	-	8	8	1	-	1109.0707	52.9	0	I
20	5	15	+	20	5	16	+	1109.0772	74.0	-9	I
19	4	16	-	19	4	15	-	1109.0808	67.5	9	I
20	5	15	-	20	5	16	-	1109.0808	67.5	2	I
17	6	12	+	17	6	11	+	1109.0906	82.9	2	I
17	6	12	-	17	6	11	-	1109.0931	82.0	2	I
13	7	7	+	13	7	6	+	1109.1042	72.2	0	I
13	7	7	-	13	7	6	-	1109.1079	73.3	0	I
19	5	15	+	19	5	14	+	1109.1186	81.7	8	I
19	5	15	-	19	5	14	-	1109.1186	81.7	-9	I
16	6	10	-	16	6	11	-	1109.1459	58.3	-23	I
12	7	5	+	12	7	6	+	1109.1459	58.3	-1	I
16	6	10	+	16	6	11	+	1109.1459	58.3	3	I
12	7	5	-	12	7	6	-	1109.1497	67.8	-2	I
11	7	5	+	11	7	4	+	1109.1846	66.0	0	I
11	7	5	-	11	7	4	-	1109.1888	69.0	0	I
15	6	10	+	15	6	9	+	1109.1974	71.8	0	I
18	5	13	-	18	5	14	-	1109.1974	71.8	1	I
15	6	10	-	15	6	9	-	1109.2001	80.1	0	I
10	7	3	+	10	7	4	+	1109.2200	61.4	1	I
10	7	3	-	10	7	4	-	1109.2244	64.0	0	I
17	5	13	-	17	5	12	-	1109.2461	68.1	-6	I
14	6	8	+	14	6	9	+	1109.2461	68.1	1	I
14	6	8	-	14	6	9	-	1109.2486	74.8	-1	I
9	7	3	+	9	7	2	+	1109.2520	58.7	-1	I
9	7	3	-	9	7	2	-	1109.2568	61.3	0	I
8	7	1	+	8	7	2	+	1109.2809	55.0	0	I
8	7	1	-	8	7	2	-	1109.2861	57.9	0	I
13	6	8	+	13	6	7	+	1109.2915	72.8	2	I
13	6	8	-	13	6	7	-	1109.2943	74.9	1	I
17	4	14	+	17	4	13	+	1109.3021	82.8	-2	I
17	4	14	-	17	4	13	-	1109.3021	82.8	2	I
16	5	11	-	16	5	12	-	1109.3064	42.8	-9	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
7	7	1	+	7	7	0	+	1109.3064	42.8	0	I
7	7	1	-	7	7	0	-	1109.3121	53.7	0	I
12	6	6	+	12	6	7	+	1109.3334	74.8	0	I
12	6	6	-	12	6	7	-	1109.3364	76.1	0	I
15	5	11	+	15	5	10	+	1109.3548	83.9	3	I
11	6	6	+	11	6	5	+	1109.3721	70.2	0	I
11	6	6	-	11	6	5	-	1109.3752	71.1	-1	I
14	5	9	-	14	5	10	-	1109.4074	61.1	6	I
10	6	4	+	10	6	5	+	1109.4074	61.1	-2	I
10	6	4	-	10	6	5	-	1109.4110	71.0	0	I
18	4	14	+	18	4	15	+	1109.4329	91.4	0	I
18	4	14	-	18	4	15	-	1109.4398	60.7	26	I
9	6	4	+	9	6	3	+	1109.4398	60.7	0	I
20	4	16	+	20	4	17	+	1109.4435	63.6	-2	I
9	6	4	-	9	6	3	-	1109.4435	63.6	1	I
15	4	12	-	15	4	11	-	1109.4564	74.3	-5	I
15	4	12	+	15	4	11	+	1109.4564	74.3	2	I
8	6	2	+	8	6	3	+	1109.4686	58.4	-2	I
8	6	2	-	8	6	3	-	1109.4727	64.5	0	I
13	3	11	+	13	3	10	+	1109.4792	83.5	-6	I
16	4	12	+	16	4	13	+	1109.4792	83.5	3	I
7	6	2	+	7	6	1	+	1109.4943	45.5	-1	I
12	5	7	-	12	5	8	-	1109.4943	45.5	1	I
7	6	2	-	7	6	1	-	1109.4988	55.2	0	I
0	0	0	+	1	0	1	-	1109.4988	55.2	56	I
6	6	0	+	6	6	1	+	1109.5168	51.3	0	I
6	6	0	-	6	6	1	-	1109.5217	55.9	0	I
11	5	7	+	11	5	6	+	1109.5308	74.9	1	I
11	5	7	-	11	5	6	-	1109.5329	77.4	-2	I
14	4	10	-	14	4	11	-	1109.5520	84.3	-1	I
22	4	18	+	22	4	19	+	1109.5583	90.2	5	I
10	5	5	+	10	5	6	+	1109.5666	72.2	2	I
22	4	18	-	22	4	19	-	1109.5692	65.0	1	I
10	5	5	-	10	5	6	-	1109.5692	65.0	3	I
9	5	5	+	9	5	4	+	1109.5988	71.8	1	I
9	5	5	-	9	5	4	-	1109.6013	74.2	0	I
12	4	8	-	12	4	9	-	1109.6278	58.7	-3	I
8	5	3	+	8	5	4	+	1109.6278	58.7	0	I
8	5	3	-	8	5	4	-	1109.6305	68.5	-1	I
7	5	3	+	7	5	2	+	1109.6537	62.4	1	I
7	5	3	-	7	5	2	-	1109.6570	58.8	2	I
11	4	8	+	11	4	7	+	1109.6570	58.8	-10	I
6	5	1	+	6	5	2	+	1109.6762	58.8	1	I
6	5	1	-	6	5	2	-	1109.6796	53.9	0	I
5	5	1	+	5	5	0	+	1109.6954	52.5	1	I
5	5	1	-	5	5	0	-	1109.6992	50.3	-1	I
10	4	6	-	10	4	7	-	1109.6992	50.3	1	I
9	4	6	-	9	4	5	-	1109.7300	63.9	0	I
3	1	3	-	3	1	2	-	1109.7432	97.1	3	I
8	4	4	+	8	4	5	+	1109.7583	73.9	2	I
7	2	6	+	7	2	5	+	1109.7737	72.5	-3	I
7	4	4	+	7	4	3	+	1109.7840	71.7	3	I
6	4	2	+	6	4	3	+	1109.8062	57.9	-2	I
9	3	7	-	9	3	6	-	1109.8062	57.9	2	I
9	3	7	+	9	3	6	+	1109.8062	57.9	6	I
5	4	2	+	5	4	1	+	1109.8259	56.0	1	I
5	4	2	-	5	4	1	-	1109.8282	62.3	-2	I
24	4	20	+	24	4	21	+	1109.8282	62.3	-2	I
4	4	0	+	4	4	1	+	1109.8418	52.8	0	I
10	3	7	+	10	3	8	+	1109.8418	52.8	3	I
24	4	20	-	24	4	21	-	1109.8448	58.8	-9	I
4	4	0	-	4	4	1	-	1109.8448	58.8	-1	I
10	3	7	-	10	3	8	-	1109.8448	58.8	6	I
12	3	9	+	12	3	10	+	1109.8487	88.0	-1	I
12	3	9	-	12	3	10	-	1109.8536	91.1	0	I
8	3	5	+	8	3	6	+	1109.8713	68.1	1	I
8	3	5	-	8	3	6	-	1109.8713	68.1	-17	I
7	3	5	+	7	3	4	+	1109.8786	59.5	-9	I
6	3	3	+	6	3	4	+	1109.9104	76.5	4	I
5	3	3	+	5	3	2	+	1109.9271	70.4	6	I
14	3	11	+	14	3	12	+	1109.9356	91.9	2	I
4	3	1	+	4	3	2	+	1109.9420	52.6	-16	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
3	3	1	+	3	3	0	+	1109.9563	63.2	1	I
3	2	2	-	3	2	1	-	1110.0217	73.6	-4	I
3	2	2	+	3	2	1	+	1110.0217	73.6	2	I
4	2	2	-	4	2	3	-	1110.0402	62.0	-2	I
6	2	4	+	6	2	5	+	1110.0834	88.6	4	I
6	2	4	-	6	2	5	-	1110.0877	91.6	-1	I
8	2	6	+	8	2	7	+	1110.2317	92.8	2	I
8	2	6	-	8	2	7	-	1110.2409	92.1	-1	I
2	1	1	+	2	1	2	+	1110.2409	92.1	10	I
26	4	22	-	26	4	23	-	1110.3329	95.9	8	I
18	3	15	+	18	3	16	+	1110.5624	96.4	-4	I
18	3	15	-	18	3	16	-	1110.5830	96.5	-2	I
4	1	3	+	4	1	4	+	1110.5890	82.4	-7	I
36	5	31	-	36	5	32	-	1110.5980	91.9	2	I
46	6	40	+	46	6	41	+	1110.8965	79.6	-3	I
28	4	24	-	28	4	25	-	1111.0615	97.5	3	I
12	2	10	-	12	2	11	-	1111.0733	73.5	4	I
56	7	49	+	56	7	50	+	1111.2526	95.9	-4	II
2	0	2	+	1	0	1	+	1111.3138	6.0	2	II
56	7	49	-	56	7	50	-	1111.3169	33.4	-1	II
2	0	2	-	1	0	1	-	1111.3169	33.4	-2	II
2	1	1	+	1	1	0	+	1111.3566	87.0	0	I
3	1	3	-	2	1	2	-	1111.8186	79.8	-6	I
3	2	2	-	2	2	1	-	1111.8467	80.3	-14	I
3	2	2	+	2	2	1	+	1111.8637	54.0	-6	I
8	1	7	+	8	1	8	+	1111.8830	95.5	-8	I
8	1	7	-	8	1	8	-	1111.9147	85.7	-8	I
22	3	19	-	22	3	20	-	1112.0848	97.6	4	I
4	3	1	+	3	3	0	+	1112.3944	87.8	1	I
4	2	2	-	3	2	1	-	1112.4659	83.6	0	I
4	2	2	+	3	2	1	+	1112.4722	78.7	0	I
4	0	4	-	3	0	3	-	1112.4976	71.0	-28	I
4	0	4	+	3	0	3	+	1112.4976	71.0	1	I
4	1	3	+	3	1	2	+	1112.6008	71.6	1	I
4	1	3	-	3	1	2	-	1112.6034	76.6	-1	I
16	2	14	-	16	2	15	-	1112.7323	96.3	3	I
10	1	9	+	10	1	10	+	1112.8078	60.0	4	I
10	1	9	-	10	1	10	-	1112.8463	82.8	9	I
5	4	2	-	4	4	1	-	1112.8676	90.8	-2	I
5	4	2	+	4	4	1	+	1112.8889	88.6	0	I
40	5	35	+	40	5	36	+	1112.9136	84.9	5	I
5	1	5	-	4	1	4	-	1112.9547	52.1	1	I
5	1	5	+	4	1	4	+	1112.9547	52.1	-1	I
5	3	3	-	4	3	2	-	1112.9763	83.3	0	I
5	3	3	+	4	3	2	+	1112.9869	78.6	0	I
5	2	4	-	4	2	3	-	1113.0446	75.0	1	I
5	2	4	+	4	2	3	+	1113.0475	70.8	-1	I
24	3	21	+	24	3	22	+	1113.1196	83.7	-17	I
32	4	28	-	32	4	29	-	1113.2420	80.7	1	I
6	5	1	-	5	5	0	-	1113.3288	90.8	-3	I
6	5	1	+	5	5	0	+	1113.3522	76.9	9	I
6	4	2	-	5	4	1	-	1113.4651	83.0	0	I
6	4	2	+	5	4	1	+	1113.4782	79.8	-1	I
6	3	3	-	5	3	2	-	1113.5740	75.0	0	I
6	3	3	+	5	3	2	+	1113.5797	71.8	-1	I
6	0	6	+	5	0	5	+	1113.6455	58.7	2	I
6	0	6	-	5	0	5	-	1113.6455	58.7	-19	I
6	2	4	-	5	2	3	-	1113.6849	51.0	-4	I
6	2	4	+	5	2	3	+	1113.6849	51.0	3	I
7	6	2	-	6	6	1	-	1113.7589	91.9	-1	I
7	6	2	+	6	6	1	+	1113.7815	89.3	-1	I
6	1	5	+	5	1	4	+	1113.8263	59.6	-1	I
6	1	5	-	5	1	4	-	1113.8306	66.1	0	I
50	6	44	+	50	6	45	+	1113.8537	69.7	1	I
7	5	3	-	6	5	2	-	1113.9224	73.8	0	I
7	5	3	+	6	5	2	+	1113.9374	81.6	0	I
7	4	4	-	6	4	3	-	1114.0576	76.2	0	I
7	4	4	+	6	4	3	+	1114.0661	69.6	1	I
7	1	7	-	6	1	6	-	1114.0691	39.6	-3	I
7	1	7	+	6	1	6	+	1114.0691	39.6	1	I
8	7	1	-	7	7	0	-	1114.1571	92.0	-1	I
7	3	5	-	6	3	4	-	1114.1647	68.9	1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
7	3	5	+	6	3	4	+	1114.1677	63.2	0	I
8	7	1	+	7	7	0	+	1114.1821	50.7	20	I
7	2	6	+	6	2	5	+	1114.2156	43.5	0	I
7	2	6	-	6	2	5	-	1114.2156	43.5	-2	I
8	6	2	-	7	6	1	-	1114.3485	83.6	0	I
8	6	2	+	7	6	1	+	1114.3641	71.3	-5	I
26	3	23	+	26	3	24	+	1114.3757	92.3	3	I
8	5	3	-	7	5	2	-	1114.5113	77.5	0	I
8	5	3	+	7	5	2	+	1114.5216	73.9	0	I
9	8	2	-	8	8	1	-	1114.5262	87.9	22	I
9	8	2	+	8	8	1	+	1114.5468	91.1	0	I
32	31	1	-	31	31	0	-	1114.5963	80.7	3	II
8	4	4	-	7	4	3	-	1114.6466	68.8	0	I
8	4	4	+	7	4	3	+	1114.6518	67.5	-1	I
9	7	3	-	8	7	2	-	1114.7434	74.9	3	I
8	0	8	+	7	0	7	+	1114.7513	40.8	5	I
8	0	8	-	7	0	7	-	1114.7513	40.8	-7	I
8	3	5	-	7	3	4	-	1114.7607	40.0	3	I
9	7	3	+	8	7	2	+	1114.7607	40.0	6	I
8	3	5	+	7	3	4	+	1114.7607	40.0	-6	I
10	9	1	-	9	9	0	-	1114.8594	92.4	1	I
10	9	1	+	9	9	0	+	1114.8821	88.7	1	I
8	2	6	+	7	2	5	+	1114.9085	57.7	0	I
8	2	6	-	7	2	5	-	1114.9121	61.0	0	I
9	6	4	-	8	6	3	-	1114.9339	78.7	0	I
9	6	4	+	8	6	3	+	1114.9454	76.9	-1	I
8	1	7	+	7	1	6	+	1115.0274	55.5	0	I
8	1	7	-	7	1	6	-	1115.0318	59.3	0	I
9	5	5	-	8	5	4	-	1115.0966	70.2	0	I
9	5	5	+	8	5	4	+	1115.1035	67.3	0	I
10	8	2	-	9	8	1	-	1115.1063	82.4	-1	I
10	8	2	+	9	8	1	+	1115.1237	84.8	-1	I
33	31	3	+	32	31	2	+	1115.1410	92.5	0	II
9	1	9	+	8	1	8	+	1115.1634	31.5	2	I
11	10	2	-	10	10	1	-	1115.1634	31.5	1	I
9	1	9	-	8	1	8	-	1115.1634	31.5	-3	I
11	10	2	+	10	10	1	+	1115.1858	88.2	0	I
9	4	6	-	8	4	5	-	1115.2324	53.1	1	I
9	4	6	+	8	4	5	+	1115.2352	61.1	-1	I
10	7	3	-	9	7	2	-	1115.3251	79.6	0	I
10	7	3	+	9	7	2	+	1115.3391	31.4	13	I
9	3	7	+	8	3	6	+	1115.3391	31.4	-1	I
9	3	7	-	8	3	6	-	1115.3391	31.4	-3	I
9	2	8	-	8	2	7	-	1115.3647	44.0	-9	I
9	2	8	+	8	2	7	+	1115.3647	44.0	-1	I
11	9	3	-	10	9	2	-	1115.4383	88.0	-1	I
11	9	3	+	10	9	2	+	1115.4562	86.0	1	I
10	6	4	-	9	6	3	-	1115.5155	73.1	0	I
10	6	4	+	9	6	3	+	1115.5239	71.3	0	I
52	6	46	+	52	6	47	+	1115.5829	86.8	9	II
52	6	46	-	52	6	47	-	1115.6523	94.5	-5	II
13	12	2	-	12	12	1	-	1115.6784	64.6	4	I
10	5	5	-	9	5	4	-	1115.6784	64.6	-1	I
10	5	5	+	9	5	4	+	1115.6832	60.1	1	I
11	8	4	-	10	8	3	-	1115.6832	60.1	-18	I
11	8	4	+	10	8	3	+	1115.6985	78.3	1	I
12	10	2	-	11	10	1	-	1115.7391	89.8	0	I
12	10	2	+	11	10	1	+	1115.7569	88.6	-1	I
10	0	10	+	9	0	9	+	1115.8162	14.6	2	I
10	4	6	-	9	4	5	-	1115.8162	14.6	4	I
10	0	10	-	9	0	9	-	1115.8162	14.6	4	I
14	13	1	-	13	13	0	-	1115.8886	96.0	-2	I
27	26	2	-	26	26	1	-	1115.8931	82.1	5	II
11	7	5	-	10	7	4	-	1115.9034	75.8	0	I
11	7	5	+	10	7	4	+	1115.9128	73.5	0	I
10	3	7	-	9	3	6	-	1115.9415	47.4	-13	I
10	3	7	+	9	3	6	+	1115.9415	47.4	4	I
33	30	4	-	32	30	3	-	1115.9791	94.7	-1	II
13	11	3	-	12	11	2	-	1116.0086	78.6	-2	I
12	9	3	-	11	9	2	-	1116.0138	76.2	0	I
12	9	3	+	11	9	2	+	1116.0273	76.9	-4	I
13	11	3	+	12	11	2	+	1116.0273	76.9	6	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
26	25	1	—	25	25	0	—	1116.0688	62.5	9	II
15	14	2	—	14	14	1	—	1116.0690	96.4	0	I
26	25	1	+	25	25	0	+	1116.0812	95.9	-2	II
11	6	6	—	10	6	5	—	1116.0939	68.9	0	I
11	6	6	+	10	6	5	+	1116.0998	67.8	-1	I
10	2	8	+	9	2	7	+	1116.1383	52.9	0	I
10	2	8	—	9	2	7	—	1116.1435	55.7	0	I
10	1	9	+	9	1	8	+	1116.1980	51.0	0	I
10	1	9	—	9	1	8	—	1116.2022	53.1	-1	I
25	24	2	—	24	24	1	—	1116.2144	13.7	-2	II
11	1	11	+	10	1	10	+	1116.2375	25.0	1	I
29	27	3	+	28	27	2	+	1116.2375	25.0	17	I
16	15	1	+	15	15	0	+	1116.2375	25.0	-9	I
11	1	11	—	10	1	10	—	1116.2375	25.0	-3	I
14	12	2	—	13	12	1	—	1116.2476	90.9	1	I
11	5	7	—	10	5	6	—	1116.2576	60.3	2	I
11	5	7	+	10	5	6	+	1116.2601	44.9	-1	I
12	8	4	—	11	8	3	—	1116.2601	44.9	1	I
12	8	4	+	11	8	3	+	1116.2697	59.2	-6	I
13	10	4	—	12	10	3	—	1116.3113	85.3	0	I
13	10	4	+	12	10	3	+	1116.3255	84.4	0	I
24	23	1	—	23	23	0	—	1116.3333	30.7	6	II
17	16	2	—	16	16	1	—	1116.3370	89.9	-4	I
24	23	1	+	23	23	0	+	1116.3478	21.8	4	II
11	4	8	+	10	4	7	+	1116.3953	33.1	-2	I
11	4	8	—	10	4	7	—	1116.3953	33.1	0	I
23	22	2	—	22	22	1	—	1116.4220	80.8	2	II
23	22	2	+	22	22	1	+	1116.4372	97.6	1	I
18	17	1	+	17	17	0	+	1116.4448	77.3	-1	II
15	13	3	—	14	13	2	—	1116.4554	93.2	0	I
15	13	3	+	14	13	2	+	1116.4726	82.8	-2	I
12	7	5	—	11	7	4	—	1116.4782	68.3	-1	I
19	18	2	—	18	18	1	—	1116.4853	68.1	5	I
12	7	5	+	11	7	4	+	1116.4853	68.1	0	I
11	2	10	+	10	2	9	+	1116.4915	41.6	-3	I
11	2	10	—	10	2	9	—	1116.4915	41.6	-16	I
11	3	9	—	10	3	8	—	1116.4995	44.3	-14	I
11	3	9	+	10	3	8	+	1116.4995	44.3	3	I
20	19	1	—	19	19	0	—	1116.5129	82.9	-6	II
20	19	1	+	19	19	0	+	1116.5307	86.9	-2	II
14	11	3	—	13	11	2	—	1116.5784	70.6	5	I
13	9	5	—	12	9	4	—	1116.5856	79.0	0	I
14	11	3	+	13	11	2	+	1116.5923	86.5	0	I
13	9	5	+	12	9	4	+	1116.5964	78.6	-1	I
27	25	3	—	26	25	2	—	1116.6057	96.7	-14	II
16	14	2	—	15	14	1	—	1116.6326	94.5	0	I
16	14	2	+	15	14	1	+	1116.6495	94.6	-2	I
12	6	6	—	11	6	5	—	1116.6691	65.0	0	I
12	6	6	+	11	6	5	+	1116.6730	64.1	-1	I
26	24	2	—	25	24	1	—	1116.7568	6.4	14	II
26	24	2	+	25	24	1	+	1116.7675	94.6	0	II
17	15	3	—	16	15	2	—	1116.7790	96.3	-3	I
17	15	3	+	16	15	2	+	1116.7962	89.5	2	I
15	12	4	—	14	12	3	—	1116.8135	89.2	0	I
15	12	4	+	14	12	3	+	1116.8287	71.4	7	I
12	5	7	—	11	5	6	—	1116.8340	43.5	7	I
13	8	6	—	12	8	5	—	1116.8340	43.5	24	I
12	5	7	+	11	5	6	+	1116.8340	43.5	-8	I
13	8	6	+	12	8	5	+	1116.8394	68.6	-1	I
12	0	12	—	11	0	11	—	1116.8517	24.4	6	I
12	0	12	+	11	0	11	+	1116.8517	24.4	-1	I
14	10	4	—	13	10	3	—	1116.8801	81.5	1	I
14	10	4	+	13	10	3	+	1116.8909	75.3	-4	I
18	16	2	—	17	16	1	—	1116.8954	88.6	-2	I
18	16	2	+	17	16	1	+	1116.9125	73.8	6	I
24	22	2	—	23	22	1	—	1116.9651	63.8	-9	II
29	26	4	—	28	26	3	—	1116.9651	63.8	-5	II
12	4	8	—	11	4	7	—	1116.9750	37.1	-5	I
12	4	8	+	11	4	7	+	1116.9750	37.1	3	I
19	17	3	—	18	17	2	—	1116.9814	64.8	-3	II
19	17	3	+	18	17	2	+	1116.9984	38.7	9	II
16	13	3	—	15	13	2	—	1117.0184	91.6	-1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
23	21	3	—	22	21	2	—	1117.0284	88.3	4	I
16	13	3	+	15	13	2	+	1117.0324	87.7	-5	I
20	18	2	—	19	18	1	—	1117.0378	70.4	0	II
13	7	7	—	12	7	6	—	1117.0500	68.6	0	I
13	7	7	+	12	7	6	+	1117.0549	66.5	-1	I
20	18	2	+	19	18	1	+	1117.0549	66.5	18	I
22	20	2	—	21	20	1	—	1117.0607	69.9	-1	II
22	20	2	+	21	20	1	+	1117.0731	8.0	-19	II
21	19	3	+	20	19	2	+	1117.0795	88.9	6	I
12	3	9	+	11	3	8	+	1117.1235	50.4	-1	I
12	3	9	—	11	3	8	—	1117.1270	53.3	-1	I
28	25	3	—	27	25	2	—	1117.1434	85.2	1	I
15	11	5	—	14	11	4	—	1117.1434	85.2	0	I
14	9	5	—	13	9	4	—	1117.1542	68.6	3	I
15	11	5	+	14	11	4	+	1117.1542	68.6	-9	I
14	9	5	+	13	9	4	+	1117.1622	70.7	-2	I
17	14	4	—	16	14	3	—	1117.1928	92.6	-1	I
17	14	4	+	16	14	3	+	1117.2069	90.6	-1	I
13	6	8	—	12	6	7	—	1117.2433	51.0	21	I
13	6	8	+	12	6	7	+	1117.2433	51.0	-4	I
27	24	4	—	26	24	3	—	1117.2923	22.9	0	I
13	1	13	—	12	1	12	—	1117.2923	22.9	-2	I
13	1	13	+	12	1	12	+	1117.2923	22.9	1	I
27	24	4	+	26	24	3	+	1117.3035	88.7	3	II
12	1	11	+	11	1	10	+	1117.3314	43.0	0	I
12	1	11	—	11	1	10	—	1117.3351	43.3	0	I
18	15	3	+	17	15	2	+	1117.3507	39.3	0	II
12	2	10	+	11	2	9	+	1117.3606	44.5	-1	I
12	2	10	—	11	2	9	—	1117.3666	50.9	0	I
16	12	4	—	15	12	3	—	1117.3765	83.7	4	I
16	12	4	+	15	12	3	+	1117.3879	85.0	0	I
14	8	6	—	13	8	5	—	1117.4000	70.8	0	I
13	5	9	—	12	5	8	—	1117.4065	29.0	0	I
13	5	9	+	12	5	8	+	1117.4065	29.0	-4	I
14	8	6	+	13	8	5	+	1117.4065	29.0	7	I
15	10	6	—	14	10	5	—	1117.4453	80.4	0	I
19	16	4	—	18	16	3	—	1117.4505	41.9	1	II
15	10	6	+	14	10	5	+	1117.4542	78.2	0	I
19	16	4	+	18	16	3	+	1117.4640	50.0	0	II
30	26	4	—	29	26	3	—	1117.4974	94.9	-2	II
25	22	4	—	24	22	3	—	1117.5075	25.5	4	II
25	22	4	+	24	22	3	+	1117.5190	26.6	8	II
20	17	3	—	19	17	2	—	1117.5337	59.1	-1	II
20	17	3	+	19	17	2	+	1117.5470	40.8	-2	I
13	4	10	—	12	4	9	—	1117.5470	40.8	-9	I
13	4	10	+	12	4	9	+	1117.5470	40.8	6	I
17	13	5	—	16	13	4	—	1117.5782	89.0	0	I
24	21	3	+	23	21	2	+	1117.5830	12.0	4	II
17	13	5	+	16	13	4	+	1117.5898	77.0	-1	I
13	2	12	+	12	2	11	+	1117.5954	41.4	2	I
13	2	12	—	12	2	11	—	1117.5954	41.4	-17	I
22	19	3	—	21	19	2	—	1117.6095	25.1	-19	II
14	7	7	—	13	7	6	—	1117.6185	65.6	0	I
23	20	4	+	22	20	3	+	1117.6185	65.6	5	I
14	7	7	+	13	7	6	+	1117.6219	63.7	-1	I
22	19	3	+	21	19	2	+	1117.6219	63.7	-23	I
13	3	11	+	12	3	10	+	1117.6449	47.8	0	I
13	3	11	—	12	3	10	—	1117.6473	50.0	-1	I
29	25	5	—	28	25	4	—	1117.6757	90.0	-8	II
29	25	5	+	28	25	4	+	1117.6850	83.0	2	II
16	11	5	—	15	11	4	—	1117.7057	82.5	0	I
16	11	5	+	15	11	4	+	1117.7150	81.0	0	I
15	9	7	—	14	9	6	—	1117.7186	66.0	-4	I
15	9	7	+	14	9	6	+	1117.7255	62.1	-1	I
18	14	4	+	17	14	3	+	1117.7621	78.7	7	I
24	2	22	—	24	2	23	—	1117.7796	92.7	-10	I
14	6	8	—	13	6	7	—	1117.8109	45.5	7	I
14	6	8	+	13	6	7	+	1117.8109	45.5	-7	I
28	24	4	—	27	24	3	—	1117.8274	89.4	-1	II
35	29	7	—	34	29	6	—	1117.8485	96.9	3	II
35	29	7	+	34	29	6	+	1117.8528	97.2	-1	II
14	0	14	+	13	0	13	+	1117.8695	22.2	-2	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
14	0	14	—	13	0	13	—	1117.8695	22.2	1	I
19	15	5	—	18	15	4	—	1117.8907	35.6	-1	II
19	15	5	+	18	15	4	+	1117.9024	31.3	0	II
17	12	6	—	16	12	5	—	1117.9353	84.2	-1	I
17	12	6	+	16	12	5	+	1117.9448	83.5	-1	I
27	23	5	—	26	23	4	—	1117.9511	86.3	7	II
27	23	5	+	26	23	4	+	1117.9597	85.9	2	II
15	8	8	—	14	8	7	—	1117.9649	65.5	-1	I
15	8	8	+	14	8	7	+	1117.9693	66.6	-1	I
14	5	9	—	13	5	8	—	1117.9771	34.0	-2	I
14	5	9	+	13	5	8	+	1117.9771	34.0	3	I
20	16	4	—	19	16	3	—	1118.0018	37.7	0	II
16	10	6	—	15	10	5	—	1118.0072	77.2	0	I
16	10	6	+	15	10	5	+	1118.0140	75.0	-2	I
20	16	4	+	19	16	3	+	1118.0140	75.0	8	I
31	26	6	—	30	26	5	—	1118.0266	94.2	0	II
31	26	6	+	30	26	5	+	1118.0328	77.3	-4	II
26	22	4	—	25	22	3	—	1118.0446	59.9	-3	II
26	22	4	+	25	22	3	+	1118.0545	87.3	1	II
21	17	5	—	20	17	4	—	1118.0826	91.5	-1	I
21	17	5	+	20	17	4	+	1118.0938	88.1	-1	I
25	21	5	+	24	21	4	+	1118.1208	74.6	1	II
14	4	10	+	13	4	9	+	1118.1256	48.3	1	I
14	4	10	—	13	4	9	—	1118.1276	50.6	-2	I
18	13	5	—	17	13	4	—	1118.1343	85.1	-2	I
22	18	4	—	21	18	3	—	1118.1343	85.1	4	I
18	13	5	+	17	13	4	+	1118.1442	82.2	1	I
22	18	4	+	21	18	3	+	1118.1442	82.2	-6	I
24	20	4	—	23	20	3	—	1118.1479	34.1	2	II
23	19	5	—	22	19	4	—	1118.1552	55.2	-3	II
24	20	4	+	23	20	3	+	1118.1578	69.6	-2	II
15	7	9	—	14	7	8	—	1118.1842	58.4	3	I
15	7	9	+	14	7	8	+	1118.1859	58.9	-2	I
30	25	5	—	29	25	4	—	1118.2066	94.7	1	II
30	25	5	+	29	25	4	+	1118.2137	93.7	2	II
17	11	7	—	16	11	6	—	1118.2646	80.8	0	I
17	11	7	+	16	11	6	+	1118.2719	77.1	-1	I
16	9	7	—	15	9	6	—	1118.2809	69.0	0	I
16	9	7	+	15	9	6	+	1118.2857	71.3	0	I
19	14	6	—	18	14	5	—	1118.3031	88.3	-1	I
19	14	6	+	18	14	5	+	1118.3133	44.4	5	I
14	3	11	+	13	3	10	+	1118.3133	44.4	-1	I
14	3	11	—	13	3	10	—	1118.3184	49.1	0	I
15	1	15	—	14	1	14	—	1118.3290	22.2	-1	I
15	1	15	+	14	1	14	+	1118.3290	22.2	0	I
33	27	7	+	32	27	6	+	1118.3494	94.8	-1	II
29	24	6	—	28	24	5	—	1118.3592	92.0	2	II
29	24	6	+	28	24	5	+	1118.3665	89.5	2	II
15	6	10	—	14	6	9	—	1118.3767	37.3	2	I
15	6	10	+	14	6	9	+	1118.3767	37.3	-2	I
14	1	13	+	13	1	12	+	1118.4213	43.4	0	I
14	1	13	—	13	1	12	—	1118.4238	45.6	0	I
20	15	5	—	19	15	4	—	1118.4414	91.6	-2	I
20	15	5	+	19	15	4	+	1118.4512	91.7	0	I
28	23	5	—	27	23	4	—	1118.4831	83.6	-3	II
18	12	6	—	17	12	5	—	1118.4913	83.6	0	I
18	12	6	+	17	12	5	+	1118.4989	83.3	0	I
16	8	8	—	15	8	7	—	1118.5271	66.0	1	I
16	8	8	+	15	8	7	+	1118.5299	64.5	-1	I
15	5	11	+	14	5	10	+	1118.5442	39.4	5	I
15	5	11	—	14	5	10	—	1118.5442	39.4	-7	I
21	16	6	—	20	16	5	—	1118.5497	91.4	-2	I
21	16	6	+	20	16	5	+	1118.5607	43.3	13	I
14	2	12	+	13	2	11	+	1118.5607	43.3	-1	I
14	2	12	—	13	2	11	—	1118.5666	40.5	-3	I
17	10	8	—	16	10	7	—	1118.5666	40.5	8	I
17	10	8	+	16	10	7	+	1118.5712	73.3	-1	I
27	22	6	—	26	22	5	—	1118.5800	74.4	3	II
27	22	6	+	26	22	5	+	1118.5879	9.6	3	II
22	17	5	—	21	17	4	—	1118.6292	89.7	9	II
22	17	5	+	21	17	4	+	1118.6373	75.8	-4	I
26	21	5	—	25	21	4	—	1118.6472	75.8	-2	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
26	21	5	+	25	21	4	+	1118.6557	77.1	1	II
23	18	6	-	22	18	5	-	1118.6753	37.9	-18	I
15	2	14	+	14	2	13	+	1118.6753	37.9	3	I
15	2	14	-	14	2	13	-	1118.6753	37.9	-15	I
25	20	6	-	24	20	5	-	1118.6874	39.3	10	I
19	13	7	-	18	13	6	-	1118.6874	39.3	-1	I
15	4	12	+	14	4	11	+	1118.6874	39.3	1	I
23	18	6	+	22	18	5	+	1118.6874	39.3	13	I
15	4	12	-	14	4	11	-	1118.6897	43.6	-3	I
19	13	7	+	18	13	6	+	1118.6953	5.0	0	II
25	20	6	+	24	20	5	+	1118.6953	5.0	3	II
24	19	5	-	23	19	4	-	1118.6953	5.0	-11	II
24	19	5	+	23	19	4	+	1118.7053	66.3	1	II
31	25	7	-	30	25	6	-	1118.7332	71.9	-5	II
20	1	19	+	20	1	20	+	1118.7333	97.1	4	I
31	25	7	+	30	25	6	+	1118.7394	88.5	1	II
16	7	9	+	15	7	8	+	1118.7471	42.5	-5	I
16	7	9	-	15	7	8	-	1118.7471	42.5	8	I
15	3	13	+	14	3	12	+	1118.7733	45.7	8	I
15	3	13	-	14	3	12	-	1118.7764	48.3	0	I
18	11	7	-	17	11	6	-	1118.8202	79.2	0	I
18	11	7	+	17	11	6	+	1118.8259	78.4	0	I
17	9	9	-	16	9	8	-	1118.8395	71.3	0	I
17	9	9	+	16	9	8	+	1118.8430	69.7	-1	I
20	14	6	-	19	14	5	-	1118.8534	88.2	0	I
20	14	6	+	19	14	5	+	1118.8609	84.9	-4	I
16	0	16	+	15	0	15	+	1118.8764	21.2	-2	I
16	0	16	-	15	0	15	-	1118.8764	21.2	1	I
30	24	6	-	29	24	5	-	1118.8873	90.0	-1	II
16	6	10	-	15	6	9	-	1118.9398	36.4	-2	I
16	6	10	+	15	6	9	+	1118.9398	36.4	1	I
21	15	7	-	20	15	6	-	1118.9889	83.6	-2	I
21	15	7	+	20	15	6	+	1118.9969	91.0	0	I
29	23	7	-	28	23	6	-	1119.0135	89.7	1	II
29	23	7	+	28	23	6	+	1119.0197	88.0	1	II
19	12	8	-	18	12	7	-	1119.0439	82.2	0	I
19	12	8	+	18	12	7	+	1119.0499	77.1	-1	I
33	26	8	+	32	26	7	+	1119.0801	91.3	2	II
17	8	10	-	16	8	9	-	1119.0860	54.8	1	I
17	8	10	+	16	8	9	+	1119.0877	54.8	-1	I
22	16	6	-	21	16	5	-	1119.0950	86.1	2	I
22	16	6	+	21	16	5	+	1119.1020	86.0	-6	I
16	5	11	-	15	5	10	-	1119.1108	40.5	-4	I
28	22	6	+	27	22	5	+	1119.1178	51.5	0	II
18	10	8	-	17	10	7	-	1119.1214	72.4	1	I
18	10	8	+	17	10	7	+	1119.1252	71.5	-1	I
23	17	7	-	22	17	6	-	1119.1705	93.0	-2	I
23	17	7	+	22	17	6	+	1119.1785	94.0	2	I
27	21	7	+	26	21	6	+	1119.1879	79.2	2	II
24	18	6	-	23	18	5	-	1119.2169	57.0	-1	II
26	20	6	-	25	20	5	-	1119.2218	74.1	-1	II
24	18	6	+	23	18	5	+	1119.2246	54.5	0	II
26	20	6	+	25	20	5	+	1119.2290	68.3	1	II
25	19	7	-	24	19	6	-	1119.2340	64.7	-1	II
20	13	7	-	19	13	6	-	1119.2372	85.6	0	I
20	13	7	+	19	13	6	+	1119.2434	83.9	-1	I
56	6	50	-	56	6	51	-	1119.2563	41.0	2	II
16	4	12	+	15	4	11	+	1119.2721	48.9	-1	I
16	4	12	-	15	4	11	-	1119.2757	47.7	0	I
17	7	11	-	16	7	10	-	1119.3060	39.0	2	I
17	7	11	+	16	7	10	+	1119.3060	39.0	-2	I
17	1	17	-	16	1	16	-	1119.3492	21.2	-1	I
17	1	17	+	16	1	16	+	1119.3492	21.2	0	I
19	11	9	-	18	11	8	-	1119.3725	77.7	-1	I
19	11	9	+	18	11	8	+	1119.3769	77.1	-1	I
18	9	9	-	17	9	8	-	1119.3952	66.9	2	I
18	9	9	+	17	9	8	+	1119.3973	65.8	-2	I
21	14	8	+	20	14	7	+	1119.4067	87.6	1	I
31	24	8	-	30	24	7	-	1119.4129	90.9	2	II
31	24	8	+	30	24	7	+	1119.4177	90.8	2	II
16	1	15	+	15	1	14	+	1119.4645	35.1	3	I
16	1	15	-	15	1	14	-	1119.4645	35.1	-23	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
17	6	12	—	16	6	11	—	1119.5001	39.8	-6	I
17	6	12	+	16	6	11	+	1119.5001	39.8	5	I
16	3	13	+	15	3	12	+	1119.5119	46.5	0	I
16	3	13	—	15	3	12	—	1119.5182	47.8	-1	I
22	15	7	—	21	15	6	—	1119.5333	90.6	-1	I
30	23	7	—	29	23	6	—	1119.5399	82.5	-3	I
22	15	7	+	21	15	6	+	1119.5399	82.5	2	I
20	12	8	—	19	12	7	—	1119.5934	80.9	1	I
20	12	8	+	19	12	7	+	1119.5980	80.2	0	I
23	16	8	—	22	16	7	—	1119.6365	90.2	1	I
18	8	10	—	17	8	9	—	1119.6422	44.1	5	I
18	8	10	+	17	8	9	+	1119.6422	44.1	-5	I
23	16	8	+	22	16	7	+	1119.6424	44.1	-3	I
17	5	13	+	16	5	12	+	1119.6710	47.4	1	I
17	5	13	—	16	5	12	—	1119.6733	39.2	1	I
19	10	10	—	18	10	9	—	1119.6733	39.2	-3	I
19	10	10	+	18	10	9	+	1119.6763	68.3	-2	I
24	17	7	—	23	17	6	—	1119.7102	92.0	4	I
28	21	7	+	27	21	6	+	1119.7160	6.3	-7	II
24	17	7	+	23	17	6	+	1119.7160	82.3	0	I
16	2	14	+	15	2	13	+	1119.7280	39.7	2	I
16	2	14	—	15	2	13	—	1119.7324	28.4	-11	I
17	2	16	+	16	2	15	+	1119.7324	28.4	21	I
17	2	16	—	16	2	15	—	1119.7324	28.4	5	I
25	18	8	—	24	18	7	—	1119.7538	40.8	0	II
27	20	8	—	26	20	7	—	1119.7538	40.8	-4	II
25	18	8	+	24	18	7	+	1119.7599	38.4	0	II
27	20	8	+	26	20	7	+	1119.7599	38.4	0	II
26	19	7	—	25	19	6	—	1119.7685	96.6	0	I
26	19	7	+	25	19	6	+	1119.7744	96.2	0	I
33	25	9	—	32	25	8	—	1119.7791	92.7	3	II
21	13	9	—	20	13	8	—	1119.7837	84.8	0	I
21	13	9	+	20	13	8	+	1119.7886	84.0	0	I
17	4	14	+	16	4	13	+	1119.8172	46.2	-1	I
17	4	14	—	16	4	13	—	1119.8206	48.9	0	I
18	7	11	—	17	7	10	—	1119.8622	37.4	-2	I
18	7	11	+	17	7	10	+	1119.8622	37.4	2	I
18	0	18	+	17	0	17	+	1119.8745	20.2	-2	I
18	0	18	—	17	0	17	—	1119.8745	20.2	1	I
17	3	15	+	16	3	14	+	1119.8819	42.8	-1	I
17	3	15	—	16	3	14	—	1119.8850	45.0	-1	I
20	11	9	—	19	11	8	—	1119.9218	75.4	1	I
20	11	9	+	19	11	8	+	1119.9247	73.7	-2	I
32	24	8	—	31	24	7	—	1119.9349	87.9	-1	II
32	24	8	+	31	24	7	+	1119.9393	11.0	5	II
22	14	8	—	21	14	7	—	1119.9443	84.0	3	I
19	9	11	—	18	9	10	—	1119.9484	50.3	10	I
22	14	8	+	21	14	7	+	1119.9484	50.3	-6	I
19	9	11	+	18	9	10	+	1119.9484	50.3	-5	I
18	6	12	—	17	6	11	—	1120.0576	46.6	-11	I
18	6	12	+	17	6	11	+	1120.0576	46.6	5	I
31	23	9	—	30	23	8	—	1120.0636	58.4	-3	II
23	15	9	—	22	15	8	—	1120.0745	87.8	2	I
23	15	9	+	22	15	8	+	1120.0793	89.8	-1	I
35	26	10	—	34	26	9	—	1120.1134	95.8	7	II
35	26	10	+	34	26	9	+	1120.1153	95.5	2	II
21	12	10	—	20	12	9	—	1120.1394	80.7	0	I
21	12	10	+	20	12	9	+	1120.1429	79.4	0	I
30	22	8	—	29	22	7	—	1120.1652	77.6	1	II
30	22	8	+	29	22	7	+	1120.1691	81.0	-2	II
24	16	8	—	23	16	7	—	1120.1746	92.6	-2	I
24	16	8	+	23	16	7	+	1120.1800	91.6	1	I
19	8	12	+	18	8	11	+	1120.1946	42.7	-1	I
19	8	12	—	18	8	11	—	1120.1946	42.7	1	I
34	3	31	—	34	3	32	—	1120.2006	69.8	-2	II
20	10	10	—	19	10	9	—	1120.2233	59.1	6	I
20	10	10	+	19	10	9	+	1120.2233	59.1	-13	I
18	5	13	+	17	5	12	+	1120.2332	46.0	0	I
18	5	13	—	17	5	12	—	1120.2360	51.2	-1	I
25	17	9	—	24	17	8	—	1120.2455	92.5	-2	I
25	17	9	+	24	17	8	+	1120.2513	87.7	6	I
28	20	8	—	27	20	7	—	1120.2832	68.7	-2	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
26	18	8	—	25	18	7	—	1120.2872	93.6	-1	I
26	18	8	+	25	18	7	+	1120.2921	95.3	0	I
27	19	9	—	26	19	8	—	1120.3019	13.0	22	II
22	13	9	—	21	13	8	—	1120.3271	79.9	1	I
22	13	9	+	21	13	8	+	1120.3306	82.3	-1	I
28	2	26	+	28	2	27	+	1120.3306	82.3	7	I
19	1	19	—	18	1	18	—	1120.3545	20.9	0	I
19	1	19	+	18	1	18	+	1120.3545	20.9	-1	I
19	7	13	+	18	7	12	+	1120.4156	40.3	6	I
19	7	13	—	18	7	12	—	1120.4156	40.3	-4	I
18	4	14	+	17	4	13	+	1120.4181	43.8	-2	I
18	4	14	—	17	4	13	—	1120.4229	49.7	0	I
33	24	10	—	32	24	9	—	1120.4543	87.4	1	II
18	1	17	—	17	1	16	—	1120.4645	25.5	-4	I
21	11	11	—	20	11	10	—	1120.4645	25.5	-31	I
18	1	17	+	17	1	16	+	1120.4645	25.5	3	I
23	14	10	—	22	14	9	—	1120.4844	86.6	0	I
23	14	10	+	22	14	9	+	1120.4883	86.2	0	I
20	9	11	+	19	9	10	+	1120.4970	48.7	-4	I
20	9	11	—	19	9	10	—	1120.4970	48.7	3	I
32	23	9	—	31	23	8	—	1120.5855	86.3	10	II
32	23	9	+	31	23	8	+	1120.5874	85.8	-1	II
19	6	14	+	18	6	13	+	1120.6120	46.0	1	I
24	15	9	—	23	15	8	—	1120.6120	46.0	-1	I
19	6	14	—	18	6	13	—	1120.6120	46.0	-20	I
24	15	9	+	23	15	8	+	1120.6120	46.0	-39	I
22	12	10	—	21	12	9	—	1120.6825	77.7	1	I
22	12	10	+	21	12	9	+	1120.6849	76.2	0	I
31	22	10	+	30	22	9	+	1120.6906	12.5	0	II
25	16	10	—	24	16	9	—	1120.7134	43.2	34	I
18	3	15	+	17	3	14	+	1120.7134	43.2	0	I
25	16	10	+	24	16	9	+	1120.7134	43.2	-5	I
18	3	15	—	17	3	14	—	1120.7204	48.8	-1	I
20	8	12	—	19	8	11	—	1120.7439	40.6	-4	I
20	8	12	+	19	8	11	+	1120.7439	40.6	1	I
19	2	18	+	18	2	17	+	1120.7623	31.4	5	I
19	2	18	—	18	2	17	—	1120.7623	31.4	-9	I
21	10	12	+	20	10	11	+	1120.7692	56.3	-6	I
21	10	12	—	20	10	11	—	1120.7692	56.3	5	I
26	17	9	—	25	17	8	—	1120.7774	84.1	-10	I
26	17	9	+	25	17	8	+	1120.7824	91.3	1	I
19	5	15	+	18	5	14	+	1120.7881	50.4	0	I
19	5	15	—	18	5	14	—	1120.7914	49.9	0	I
29	20	10	—	28	20	9	—	1120.8092	70.7	-1	II
29	20	10	+	28	20	9	+	1120.8128	64.4	0	II
35	25	11	+	34	25	10	+	1120.8128	64.4	-6	II
42	4	38	+	42	4	39	+	1120.8129	96.8	6	I
27	18	10	—	26	18	9	—	1120.8174	52.1	-2	II
27	18	10	+	26	18	9	+	1120.8213	50.0	-1	II
28	19	9	—	27	19	8	—	1120.8277	61.7	-1	II
28	19	9	+	27	19	8	+	1120.8318	48.8	3	II
18	2	16	+	17	2	15	+	1120.8544	43.6	-1	I
18	2	16	—	17	2	15	—	1120.8596	44.4	0	I
20	0	20	+	19	0	19	+	1120.8637	19.4	-2	I
20	0	20	—	19	0	19	—	1120.8637	19.4	1	I
23	13	11	+	22	13	10	+	1120.8696	80.6	-1	I
23	13	11	—	22	13	10	—	1120.8696	80.6	25	I
19	4	16	+	18	4	15	+	1120.9343	48.4	-1	I
19	4	16	—	18	4	15	—	1120.9382	49.7	0	I
19	3	17	+	18	3	16	+	1120.9671	27.3	-5	I
20	7	13	—	19	7	12	—	1120.9671	27.3	2	I
20	7	13	+	19	7	12	+	1120.9671	27.3	18	I
19	3	17	—	18	3	16	—	1120.9707	44.6	0	I
34	24	10	—	33	24	9	—	1120.9707	44.6	4	I
22	11	11	+	21	11	10	+	1121.0112	63.8	-6	I
22	11	11	—	21	11	10	—	1121.0112	63.8	7	I
24	14	10	—	23	14	9	—	1121.0217	86.1	0	I
24	14	10	+	23	14	9	+	1121.0246	82.7	1	I
21	9	13	—	20	9	12	—	1121.0429	48.4	0	I
21	9	13	+	20	9	12	+	1121.0429	48.4	0	I
33	23	11	—	32	23	10	—	1121.1020	84.0	-1	II
33	23	11	+	32	23	10	+	1121.1041	86.3	0	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
37	26	12	+	36	26	11	+	1121.1383	91.9	-2	II
25	15	11	-	24	15	10	-	1121.1465	88.9	-1	I
25	15	11	+	24	15	10	+	1121.1492	89.0	-2	I
20	6	14	+	19	6	13	+	1121.1644	50.4	1	I
20	6	14	-	19	6	13	-	1121.1668	52.6	-1	I
32	22	10	-	31	22	9	-	1121.2067	83.7	2	II
32	22	10	+	31	22	9	+	1121.2088	82.9	1	II
23	12	12	-	22	12	11	-	1121.2229	72.9	7	I
23	12	12	+	22	12	11	+	1121.2229	72.9	-9	I
26	16	10	-	25	16	9	-	1121.2418	91.2	-1	I
26	16	10	+	25	16	9	+	1121.2448	91.2	0	I
31	21	11	-	30	21	10	-	1121.2834	75.5	1	II
31	21	11	+	30	21	10	+	1121.2859	71.2	3	II
21	8	14	-	20	8	13	-	1121.2905	48.2	-6	I
21	8	14	+	20	8	13	+	1121.2905	48.2	5	I
27	17	11	-	26	17	10	-	1121.3079	36.0	1	II
22	10	12	-	21	10	11	-	1121.3116	50.4	0	I
22	10	12	+	21	10	11	+	1121.3116	50.4	-2	I
27	17	11	+	26	17	10	+	1121.3116	50.4	9	I
30	20	10	-	29	20	9	-	1121.3315	30.9	-6	II
30	20	10	+	29	20	9	+	1121.3349	50.5	2	II
21	1	21	-	20	1	20	-	1121.3458	20.1	0	I
21	1	21	+	20	1	20	+	1121.3458	20.1	-1	I
20	5	15	+	19	5	14	+	1121.3492	47.4	-2	I
20	5	15	-	19	5	14	-	1121.3531	49.9	0	I
24	13	11	-	23	13	10	-	1121.4050	79.1	12	I
24	13	11	+	23	13	10	+	1121.4050	79.1	-6	I
20	1	19	-	19	1	18	-	1121.4325	23.3	-2	I
20	1	19	+	19	1	18	+	1121.4325	23.3	1	I
21	7	15	+	20	7	14	+	1121.5130	51.2	2	I
21	7	15	-	20	7	14	-	1121.5130	51.2	-18	I
23	11	13	+	22	11	12	+	1121.5504	59.8	-3	I
23	11	13	-	22	11	12	-	1121.5504	59.8	3	I
25	14	12	-	24	14	11	-	1121.5561	83.2	4	I
20	4	16	+	19	4	15	+	1121.5682	48.0	-1	I
20	4	16	-	19	4	15	-	1121.5739	50.4	0	I
22	9	13	+	21	9	12	+	1121.5857	50.1	4	I
22	9	13	-	21	9	12	-	1121.5857	50.1	-3	I
34	23	11	+	33	23	10	+	1121.6173	82.8	-4	II
34	23	11	-	33	23	10	-	1121.6173	82.8	8	II
26	15	11	+	25	15	10	+	1121.6796	87.8	-2	I
26	15	11	-	25	15	10	-	1121.6796	87.8	17	I
21	6	16	+	20	6	15	+	1121.7138	51.1	1	I
21	6	16	-	20	6	15	-	1121.7167	53.7	0	I
33	22	12	-	32	22	11	-	1121.7240	42.4	15	II
33	22	12	+	32	22	11	+	1121.7240	42.4	1	II
24	12	12	-	23	12	11	-	1121.7592	66.3	4	I
24	12	12	+	23	12	11	+	1121.7592	66.3	-4	I
21	2	20	-	20	2	19	-	1121.7710	26.3	-7	I
27	16	12	-	26	16	11	-	1121.7710	26.3	4	I
21	2	20	+	20	2	19	+	1121.7710	26.3	4	I
32	21	11	-	31	21	10	-	1121.8013	68.7	3	II
32	21	11	+	31	21	10	+	1121.8013	68.7	-12	II
22	8	14	-	21	8	13	-	1121.8343	50.0	-8	I
22	8	14	+	21	8	13	+	1121.8343	50.0	9	I
22	0	22	+	21	0	21	+	1121.8431	21.0	-1	I
22	0	22	-	21	0	21	-	1121.8431	21.0	1	I
23	10	14	+	22	10	13	+	1121.8511	52.1	2	I
23	10	14	-	22	10	13	-	1121.8511	52.1	-2	I
29	18	12	+	28	18	11	+	1121.8706	29.3	1	II
30	19	11	-	29	19	10	-	1121.8745	55.7	1	II
30	19	11	+	29	19	10	+	1121.8759	56.5	-3	II
21	5	17	+	20	5	16	+	1121.8954	50.9	-1	I
21	5	17	-	20	5	16	-	1121.8993	51.5	0	I
20	3	17	+	19	3	16	+	1121.9042	45.4	-1	I
20	3	17	-	19	3	16	-	1121.9116	47.3	-1	I
20	2	18	+	19	2	17	+	1121.9352	40.8	-1	I
25	13	13	-	24	13	12	-	1121.9394	40.7	19	I
20	2	18	-	19	2	17	-	1121.9394	40.7	-2	I
25	13	13	+	24	13	12	+	1121.9394	40.7	9	I
21	3	19	+	20	3	18	+	1122.0283	45.6	-1	I
21	3	19	-	20	3	18	-	1122.0314	44.1	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
21	4	18	+	20	4	17	+	1122.0360	46.0	3	I
21	4	18	-	20	4	17	-	1122.0404	49.6	0	I
22	7	15	+	21	7	14	+	1122.0577	57.0	1	I
22	7	15	-	21	7	14	-	1122.0601	58.0	-1	I
24	11	13	-	23	11	12	-	1122.0866	48.3	0	I
24	11	13	+	23	11	12	+	1122.0866	48.3	1	I
26	14	12	-	25	14	11	-	1122.0866	48.3	2	I
23	9	15	-	22	9	14	-	1122.1255	55.4	-7	I
23	9	15	+	22	9	14	+	1122.1255	55.4	6	I
39	26	14	-	38	26	13	-	1122.1508	93.9	0	II
27	15	13	+	26	15	12	+	1122.2065	83.9	-5	I
27	15	13	-	26	15	12	-	1122.2065	83.9	6	I
34	22	12	-	33	22	11	-	1122.2357	74.5	4	II
34	22	12	+	33	22	11	+	1122.2357	74.5	-2	II
22	6	16	+	21	6	15	+	1122.2616	54.5	0	I
22	6	16	-	21	6	15	-	1122.2650	55.7	0	I
25	12	14	-	24	12	13	-	1122.2921	63.9	0	I
25	12	14	+	24	12	13	+	1122.2921	63.9	-1	I
44	4	40	-	44	4	41	-	1122.2965	86.5	-7	I
33	21	13	-	32	21	12	-	1122.3166	14.1	10	II
23	1	23	-	22	1	22	-	1122.3240	21.9	1	I
23	1	23	+	22	1	22	+	1122.3240	21.9	-1	I
29	17	13	+	28	17	12	+	1122.3576	90.6	-6	I
29	17	13	-	28	17	12	-	1122.3576	90.6	5	I
32	20	12	-	31	20	11	-	1122.3686	53.2	4	II
32	20	12	+	31	20	11	+	1122.3686	53.2	-4	II
23	8	16	+	22	8	15	+	1122.3742	58.5	3	I
23	8	16	-	22	8	15	-	1122.3750	58.5	-10	I
22	1	21	+	21	1	20	+	1122.3814	23.7	0	I
22	1	21	-	21	1	20	-	1122.3814	23.7	-1	I
24	10	14	+	23	10	13	+	1122.3874	54.8	5	I
24	10	14	-	23	10	13	-	1122.3874	54.8	-5	I
31	19	13	+	30	19	12	+	1122.3934	39.0	-5	II
22	5	17	+	21	5	16	+	1122.4596	51.9	-1	I
22	5	17	-	21	5	16	-	1122.4642	52.5	0	I
26	13	13	+	25	13	12	+	1122.4679	69.4	-2	I
26	13	13	-	25	13	12	-	1122.4679	69.4	0	I
37	24	14	+	36	24	13	+	1122.4999	78.2	-1	I
37	24	14	-	36	24	13	-	1122.5000	78.2	-4	II
60	6	54	-	60	6	55	-	1122.5716	65.4	-5	II
52	5	47	+	52	5	48	+	1122.5782	97.6	-8	I
23	7	17	+	22	7	16	+	1122.5997	58.5	1	I
23	7	17	-	22	7	16	-	1122.6025	56.8	0	I
27	14	14	-	26	14	13	-	1122.6142	77.0	2	I
27	14	14	+	26	14	13	+	1122.6142	77.0	-2	I
25	11	15	-	24	11	14	-	1122.6196	61.2	-4	I
25	11	15	+	24	11	14	+	1122.6196	61.2	3	I
36	23	13	+	35	23	12	+	1122.6360	78.1	2	II
36	23	13	-	35	23	12	-	1122.6360	78.1	0	II
24	9	15	+	23	9	14	+	1122.6621	60.4	5	I
24	9	15	-	23	9	14	-	1122.6621	60.4	-12	I
22	4	18	+	21	4	17	+	1122.7257	49.1	0	I
22	4	18	-	21	4	17	-	1122.7324	47.4	-1	I
35	22	14	-	34	22	13	-	1122.7449	70.0	-1	II
35	22	14	+	34	22	13	+	1122.7449	70.0	0	II
23	2	22	-	22	2	21	-	1122.7587	29.5	-6	I
23	2	22	+	22	2	21	+	1122.7587	29.5	3	I
23	6	18	+	22	6	17	+	1122.8054	54.2	0	I
24	0	24	+	23	0	23	+	1122.8119	21.1	-2	I
23	6	18	-	22	6	17	-	1122.8119	21.1	28	I
24	0	24	-	23	0	23	-	1122.8119	21.1	1	I
29	16	14	-	28	16	13	-	1122.8185	72.0	1	I
29	16	14	+	28	16	13	+	1122.8185	72.0	-3	I
26	12	14	+	25	12	13	+	1122.8220	65.4	2	I
26	12	14	-	25	12	13	-	1122.8220	65.4	-3	I
34	21	13	+	33	21	12	+	1122.8269	55.9	-1	II
34	21	13	-	33	21	12	-	1122.8269	55.9	-1	II
30	17	13	-	29	17	12	-	1122.8772	19.9	2	II
30	17	13	+	29	17	12	+	1122.8772	19.9	-2	II
33	20	14	+	32	20	13	+	1122.8815	52.6	-1	II
33	20	14	-	32	20	13	-	1122.8815	52.6	0	II
24	8	16	+	23	8	15	+	1122.9116	61.3	1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
24	8	16	—	23	8	15	—	1122.9140	62.4	-1	I
25	10	16	—	24	10	15	—	1122.9207	62.0	-8	I
22	2	20	+	21	2	19	+	1122.9658	45.3	0	I
22	2	20	—	21	2	19	—	1122.9691	46.2	-4	I
23	5	19	+	22	5	18	+	1122.9920	51.7	0	I
27	13	15	—	26	13	14	—	1122.9961	46.9	10	I
23	5	19	—	22	5	18	—	1122.9961	46.9	-3	I
23	3	21	+	22	3	20	+	1123.0631	46.2	-1	I
23	3	21	—	22	3	20	—	1123.0661	45.0	2	I
22	3	19	+	21	3	18	+	1123.0687	44.3	-1	I
22	3	19	—	21	3	18	—	1123.0761	48.6	0	I
23	4	20	+	22	4	19	+	1123.1198	49.4	-1	I
23	4	20	—	22	4	19	—	1123.1242	51.1	0	I
24	7	17	+	23	7	16	+	1123.1388	48.6	-3	I
24	7	17	—	23	7	16	—	1123.1423	59.2	0	I
26	11	15	+	25	11	14	+	1123.1495	65.0	6	I
26	11	15	—	25	11	14	—	1123.1495	65.0	-7	I
25	9	17	+	24	9	16	+	1123.1955	64.6	3	I
25	9	17	—	24	9	16	—	1123.1976	63.4	1	I
29	15	15	+	28	15	14	+	1123.2524	80.3	2	I
36	22	14	—	35	22	13	—	1123.2524	80.3	8	I
29	15	15	—	28	15	14	—	1123.2524	80.3	0	I
25	1	25	+	24	1	24	+	1123.2896	23.7	-1	I
25	1	25	—	24	1	24	—	1123.2896	23.7	1	I
24	1	23	+	23	1	22	+	1123.3202	25.1	-1	I
24	1	23	—	23	1	22	—	1123.3202	25.1	-1	I
35	21	15	—	34	21	14	—	1123.3348	38.7	-4	II
35	21	15	+	34	21	14	+	1123.3348	38.7	2	II
30	16	14	+	29	16	13	+	1123.3373	84.7	1	I
30	16	14	—	29	16	13	—	1123.3373	84.7	-1	I
24	6	18	+	23	6	17	+	1123.3494	41.6	-2	I
27	12	16	—	26	12	15	—	1123.3494	41.6	-1	I
24	6	18	—	23	6	17	—	1123.3536	55.9	0	I
31	17	15	—	30	17	14	—	1123.3935	88.8	-1	I
31	17	15	+	30	17	14	+	1123.3935	88.8	2	I
33	19	15	—	32	19	14	—	1123.4201	11.9	-3	II
33	19	15	+	32	19	14	+	1123.4201	11.9	1	II
25	8	18	+	24	8	17	+	1123.4464	62.6	1	I
26	10	16	+	25	10	15	+	1123.4496	48.6	-4	I
26	10	16	—	25	10	15	—	1123.4496	48.6	-24	I
25	8	18	—	24	8	17	—	1123.4496	48.6	4	I
24	5	19	+	23	5	18	+	1123.5667	51.9	0	I
24	5	19	—	23	5	18	—	1123.5720	55.1	0	I
38	23	15	+	37	23	14	+	1123.6422	85.7	7	II
29	14	16	—	28	14	15	—	1123.6592	78.9	-4	I
29	14	16	+	28	14	15	+	1123.6592	78.9	4	I
27	11	17	—	26	11	16	—	1123.6757	44.2	-16	I
27	11	17	+	26	11	16	+	1123.6757	44.2	2	I
25	7	19	+	24	7	18	+	1123.6757	44.2	1	I
25	7	19	—	24	7	18	—	1123.6791	58.2	-2	I
25	2	24	+	24	2	23	+	1123.7276	22.9	3	I
25	2	24	—	24	2	23	—	1123.7276	22.9	-3	I
26	9	17	—	25	9	16	—	1123.7276	22.9	-9	I
26	9	17	+	25	9	16	+	1123.7276	22.9	17	I
37	22	16	+	36	22	15	+	1123.7542	78.2	6	II
26	0	26	—	25	0	25	—	1123.7697	21.6	2	I
26	0	26	+	25	0	25	+	1123.7697	21.6	-1	I
30	15	15	+	29	15	14	+	1123.7697	21.6	-4	I
36	21	15	+	35	21	14	+	1123.8396	69.9	5	II
36	21	15	—	35	21	14	—	1123.8396	69.9	-7	II
31	16	16	—	30	16	15	—	1123.8529	86.8	-5	I
31	16	16	+	30	16	15	+	1123.8529	86.8	5	I
25	6	20	+	24	6	19	+	1123.8870	56.5	0	I
24	4	20	+	23	4	19	+	1123.8911	31.7	1	I
25	6	20	—	24	6	19	—	1123.8911	31.7	-2	I
24	4	20	—	23	4	19	—	1123.8988	51.0	0	I
35	20	16	—	34	20	15	—	1123.8988	51.0	-1	I
32	17	15	+	31	17	14	+	1123.9066	89.3	5	I
32	17	15	—	31	17	14	—	1123.9066	89.3	-4	I
54	5	49	+	54	5	50	+	1123.9452	43.9	2	I
24	2	22	+	23	2	21	+	1123.9452	43.9	2	I
24	2	22	—	23	2	21	—	1123.9469	45.5	-2	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
26	8	18	+	25	8	17	+	1123.9782	49.4	-1	I
26	8	18	-	25	8	17	-	1123.9813	61.6	-2	I
27	10	18	-	26	10	17	-	1123.9813	61.6	19	I
29	13	17	+	28	13	16	+	1124.0392	78.1	7	I
29	13	17	-	28	13	16	-	1124.0392	78.1	-8	I
25	3	23	+	24	3	22	+	1124.0716	47.5	-1	I
25	3	23	-	24	3	22	-	1124.0744	44.7	3	I
25	5	21	+	24	5	20	+	1124.0762	48.4	-4	I
25	5	21	-	24	5	20	-	1124.0814	54.8	0	I
43	26	18	-	42	26	17	-	1124.1386	74.0	-19	II
30	14	16	-	29	14	15	-	1124.1767	79.6	-9	I
30	14	16	+	29	14	15	+	1124.1767	79.6	5	I
25	4	22	+	24	4	21	+	1124.1822	51.4	-1	I
25	4	22	-	24	4	21	-	1124.1867	52.6	1	I
24	3	21	+	23	3	20	+	1124.1946	48.0	0	I
24	3	21	-	23	3	20	-	1124.2014	38.8	-1	I
28	11	17	-	27	11	16	-	1124.2014	38.8	1	I
26	7	19	+	25	7	18	+	1124.2099	61.1	0	I
26	7	19	-	25	7	18	-	1124.2138	62.3	0	I
27	1	27	-	26	1	26	-	1124.2429	25.5	1	I
27	1	27	+	26	1	26	+	1124.2429	25.5	-1	I
26	1	25	+	25	1	24	+	1124.2523	24.0	1	I
27	9	19	+	26	9	18	+	1124.2523	24.0	-14	I
26	1	25	-	25	1	24	-	1124.2523	24.0	1	I
27	9	19	-	26	9	18	-	1124.2567	66.3	0	I
31	15	17	-	30	15	16	-	1124.2856	84.4	-6	I
31	15	17	+	30	15	16	+	1124.2856	84.4	8	I
37	21	17	+	36	21	16	+	1124.3409	77.5	5	II
37	21	17	-	36	21	16	-	1124.3409	77.5	-13	II
32	16	16	+	31	16	15	+	1124.3653	88.9	8	I
32	16	16	-	31	16	15	-	1124.3653	88.9	-6	I
29	12	18	+	28	12	17	+	1124.3924	78.5	4	I
36	20	16	+	35	20	15	+	1124.4011	63.6	5	II
26	6	20	+	25	6	19	+	1124.4289	58.5	0	I
35	19	17	+	34	19	16	+	1124.4336	55.6	-1	I
26	6	20	-	25	6	19	-	1124.4336	55.6	1	I
41	24	18	+	40	24	17	+	1124.4946	90.6	2	II
28	10	18	+	27	10	17	+	1124.5010	71.5	0	I
28	10	18	-	27	10	17	-	1124.5038	72.5	0	I
27	8	20	+	26	8	19	+	1124.5073	64.5	0	I
27	8	20	-	26	8	19	-	1124.5110	66.0	0	I
30	13	17	+	29	13	16	+	1124.5562	81.7	4	I
26	5	21	+	25	5	20	+	1124.6740	54.4	0	I
26	5	21	-	25	5	20	-	1124.6795	21.6	-6	I
27	2	26	-	26	2	25	-	1124.6795	21.6	0	I
27	2	26	+	26	2	25	+	1124.6795	21.6	5	I
31	14	18	+	30	14	17	+	1124.6909	84.9	3	I
28	0	28	-	27	0	27	-	1124.7161	26.4	1	I
28	0	28	+	27	0	27	+	1124.7161	26.4	-1	I
29	11	19	+	28	11	18	+	1124.7195	72.5	-1	I
29	11	19	-	28	11	18	-	1124.7220	76.0	-1	I
27	7	21	+	26	7	20	+	1124.7410	62.9	0	I
27	7	21	-	26	7	20	-	1124.7452	63.8	0	I
28	9	19	+	27	9	18	+	1124.7786	70.5	0	I
28	9	19	-	27	9	18	-	1124.7819	70.4	0	I
32	15	17	+	31	15	16	+	1124.7969	88.4	5	I
32	15	17	-	31	15	16	-	1124.7980	88.4	-2	I
43	25	19	+	42	25	18	+	1124.8182	96.4	-2	II
38	21	17	+	37	21	16	+	1124.8382	57.1	-4	II
26	2	24	+	25	2	23	+	1124.8787	36.7	5	I
26	2	24	-	25	2	23	-	1124.8787	36.7	-7	I
37	20	18	+	36	20	17	+	1124.9006	72.1	0	II
30	12	18	+	29	12	17	+	1124.9093	80.8	1	I
30	12	18	-	29	12	17	-	1124.9116	80.6	-1	I
34	17	17	-	33	17	16	-	1124.9229	40.5	-12	II
36	19	17	+	35	19	16	+	1124.9354	64.7	0	II
27	6	22	+	26	6	21	+	1124.9584	59.3	0	I
27	6	22	-	26	6	21	-	1124.9632	60.4	0	I
42	24	18	+	41	24	17	+	1124.9853	94.3	1	II
42	24	18	-	41	24	17	-	1124.9883	94.3	-1	II
29	10	20	+	28	10	19	+	1125.0220	72.9	0	I
29	10	20	-	28	10	19	-	1125.0250	74.0	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
28	8	20	+	27	8	19	+	1125.0337	65.4	0	I
28	8	20	-	27	8	19	-	1125.0376	67.1	1	I
27	3	25	+	26	3	24	+	1125.0543	47.4	0	I
27	3	25	-	26	3	24	-	1125.0569	31.9	5	I
26	4	22	+	25	4	21	+	1125.0569	31.9	-5	I
26	4	22	-	25	4	21	-	1125.0659	53.6	0	I
31	13	19	+	30	13	18	+	1125.0700	82.6	1	I
31	13	19	-	30	13	18	-	1125.0720	83.6	-2	I
41	23	19	-	40	23	18	-	1125.1299	90.5	-2	II
27	5	23	+	26	5	22	+	1125.1478	57.6	3	I
27	5	23	-	26	5	22	-	1125.1525	57.5	1	I
28	1	27	+	27	1	26	+	1125.1774	29.5	0	I
28	1	27	-	27	1	26	-	1125.1774	29.5	0	I
29	1	29	-	28	1	28	-	1125.1842	27.5	1	I
29	1	29	+	28	1	28	+	1125.1842	27.5	-1	I
32	14	18	+	31	14	17	+	1125.2019	87.1	3	I
32	14	18	-	31	14	17	-	1125.2019	88.1	-21	I
27	4	24	+	26	4	23	+	1125.2209	54.1	-1	I
27	4	24	-	26	4	23	-	1125.2253	55.2	1	I
30	11	19	+	29	11	18	+	1125.2371	76.3	2	I
30	11	19	-	29	11	18	-	1125.2398	76.5	-1	I
28	7	21	+	27	7	20	+	1125.2704	61.7	1	I
28	7	21	-	27	7	20	-	1125.2738	40.4	-9	I
26	3	23	+	25	3	22	+	1125.2738	40.4	3	I
26	3	23	-	25	3	22	-	1125.2795	51.5	-1	I
29	9	21	+	28	9	20	+	1125.3004	70.7	0	I
29	9	21	-	28	9	20	-	1125.3042	66.0	2	I
33	15	19	+	32	15	18	+	1125.3042	66.0	-5	I
33	15	19	-	32	15	18	-	1125.3067	13.1	-3	II
39	21	19	+	38	21	18	+	1125.3335	83.1	-2	II
39	21	19	-	38	21	18	-	1125.3361	83.3	-4	II
34	16	18	+	33	16	17	+	1125.3794	29.7	2	II
34	16	18	-	33	16	17	-	1125.3816	32.7	0	II
38	20	18	+	37	20	17	+	1125.3971	74.1	-4	II
31	12	20	+	30	12	19	+	1125.4233	81.0	1	I
31	12	20	-	30	12	19	-	1125.4261	78.7	0	I
37	19	19	+	36	19	18	+	1125.4340	67.8	-3	II
43	24	20	-	42	24	19	-	1125.4764	94.2	-2	II
28	6	22	+	27	6	21	+	1125.5008	61.1	0	I
28	6	22	-	27	6	21	-	1125.5062	61.9	0	I
30	10	20	+	29	10	19	+	1125.5399	75.0	0	I
30	10	20	-	29	10	19	-	1125.5433	75.1	1	I
29	8	22	+	28	8	21	+	1125.5571	67.9	0	I
29	8	22	-	28	8	21	-	1125.5613	68.7	0	I
32	13	19	+	31	13	18	+	1125.5810	85.9	1	I
32	13	19	-	31	13	18	-	1125.5833	85.4	-3	I
29	2	28	+	28	2	27	+	1125.6155	33.9	1	I
29	2	28	-	28	2	27	-	1125.6155	33.9	-2	I
30	0	30	-	29	0	29	-	1125.6508	30.2	2	I
30	0	30	+	29	0	29	+	1125.6508	30.2	-1	I
33	14	20	+	32	14	19	+	1125.7098	88.9	1	I
33	14	20	-	32	14	19	-	1125.7123	88.8	-1	I
41	22	20	+	40	22	19	+	1125.7336	87.8	-2	II
41	22	20	-	40	22	19	-	1125.7367	88.0	-4	II
31	11	21	+	30	11	20	+	1125.7513	79.3	1	I
31	11	21	-	30	11	20	-	1125.7545	79.5	0	I
28	2	26	+	27	2	25	+	1125.7776	34.8	3	I
28	2	26	-	27	2	25	-	1125.7776	34.8	-3	I
28	5	23	+	27	5	22	+	1125.7856	57.8	-1	I
28	5	23	-	27	5	22	-	1125.7929	57.6	1	I
29	7	23	+	28	7	22	+	1125.7956	63.3	-1	I
29	7	23	-	28	7	22	-	1125.8005	66.1	1	I
34	15	19	+	33	15	18	+	1125.8100	28.3	1	II
34	15	19	-	33	15	18	-	1125.8125	27.5	-1	II
30	9	21	+	29	9	20	+	1125.8193	70.1	-1	I
30	9	21	-	29	9	20	-	1125.8233	72.8	1	I
35	16	20	+	34	16	19	+	1125.8820	39.8	2	II
35	16	20	-	34	16	19	-	1125.8845	39.4	0	II
38	19	19	+	37	19	18	+	1125.9289	37.0	-10	II
32	12	20	+	31	12	19	+	1125.9342	83.6	1	I
32	12	20	-	31	12	19	-	1125.9374	82.7	1	I
49	5	45	+	49	3	46	+	1125.9899	95.2	-4	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
29	3	27	+	28	3	26	+	1126.0125	50.3	0	I
29	3	27	-	28	3	26	-	1126.0141	50.7	0	I
29	6	24	+	28	6	23	+	1126.0190	60.6	-1	I
29	6	24	-	28	6	23	-	1126.0243	62.6	1	I
31	10	22	+	30	10	21	+	1126.0548	76.7	0	I
31	10	22	-	30	10	21	-	1126.0585	76.2	0	I
30	8	22	+	29	8	21	+	1126.0778	68.8	0	I
30	8	22	-	29	8	21	-	1126.0823	69.2	0	I
33	13	21	+	32	13	20	+	1126.0885	13.4	0	II
30	1	29	+	29	1	28	+	1126.0947	33.8	0	I
30	1	29	-	29	1	28	-	1126.0947	33.8	-1	I
43	23	21	+	42	23	20	+	1126.1015	84.1	-4	II
61	7	55	+	61	5	56	+	1126.1054	85.9	5	II
43	23	21	-	42	23	20	-	1126.1054	85.9	-4	II
31	1	31	-	30	1	30	-	1126.1134	31.4	1	I
31	1	31	+	30	1	30	+	1126.1134	31.4	-1	I
55	6	50	-	55	4	51	-	1126.1245	80.3	10	II
29	5	25	+	28	5	24	+	1126.2017	59.0	-1	I
29	5	25	-	28	5	24	-	1126.2071	58.8	1	I
28	4	24	+	27	4	23	+	1126.2110	54.0	0	I
34	14	20	+	33	14	19	+	1126.2144	83.4	-1	I
28	4	24	-	27	4	23	-	1126.2198	55.7	-1	I
29	4	26	+	28	4	25	+	1126.2336	56.9	-2	I
29	4	26	-	28	4	25	-	1126.2378	56.8	1	I
32	11	21	+	31	11	20	+	1126.2625	80.6	0	I
32	11	21	-	31	11	20	-	1126.2661	81.2	0	I
28	3	25	+	27	3	24	+	1126.3000	53.7	0	I
28	3	25	-	27	3	24	-	1126.3045	55.2	-4	I
35	15	21	+	34	15	20	+	1126.3120	29.5	1	II
58	5	53	-	58	5	54	-	1126.3120	29.5	-1	II
35	15	21	-	34	15	20	-	1126.3149	19.1	-1	II
41	21	21	+	40	21	20	+	1126.3149	19.1	6	II
30	7	23	+	29	7	22	+	1126.3207	66.1	0	I
30	7	23	-	29	7	22	-	1126.3257	65.9	0	I
31	9	23	+	30	9	22	+	1126.3354	72.8	0	I
31	9	23	-	30	9	22	-	1126.3395	73.5	0	I
36	16	20	+	35	16	19	+	1126.3813	33.0	1	II
36	16	20	-	35	16	19	-	1126.3844	28.1	1	II
39	19	21	-	38	19	20	-	1126.4258	46.9	1	II
33	12	22	+	32	12	21	+	1126.4420	84.2	0	I
33	12	22	-	32	12	21	-	1126.4454	84.5	-1	I
40	2	38	+	40	2	39	+	1126.4967	98.3	-7	I
31	2	30	+	30	2	29	+	1126.5375	37.5	1	I
31	2	30	-	30	2	29	-	1126.5375	37.5	-1	I
32	10	22	-	31	10	21	-	1126.5670	51.2	-36	I
30	6	24	+	29	6	23	+	1126.5670	51.2	-3	I
32	10	22	+	31	10	21	+	1126.5670	51.2	4	I
32	0	32	+	31	0	31	+	1126.5736	23.2	-3	I
32	0	32	-	31	0	31	-	1126.5736	23.2	0	I
30	6	24	-	29	6	23	-	1126.5736	23.2	4	I
31	8	24	+	30	8	23	+	1126.5958	64.2	1	I
31	8	24	-	30	8	23	-	1126.6003	71.0	0	I
30	2	28	-	29	2	27	-	1126.6566	36.4	-2	I
30	2	28	+	29	2	27	+	1126.6566	36.4	1	I
35	14	22	+	34	14	21	+	1126.7160	90.6	0	I
35	14	22	-	34	14	21	-	1126.7194	90.5	-1	I
52	4	48	+	52	4	49	+	1126.7613	90.8	-2	II
33	11	23	+	32	11	22	+	1126.7706	81.8	0	I
33	11	23	-	32	11	22	-	1126.7745	81.6	0	I
36	1	35	-	36	1	36	-	1126.7807	98.2	-10	I
36	15	21	+	35	15	20	+	1126.8108	32.8	1	II
52	4	48	-	52	4	49	-	1126.8108	32.8	-2	II
36	15	21	-	35	15	20	-	1126.8141	32.6	-1	II
31	7	25	+	30	7	24	+	1126.8399	68.0	0	I
31	7	25	-	30	7	24	-	1126.8451	67.4	1	I
32	9	23	+	31	9	22	+	1126.8484	72.6	-1	I
32	9	23	-	31	9	22	-	1126.8528	73.4	0	I
41	20	22	+	40	20	21	+	1126.8688	66.7	-1	II
37	16	22	+	36	16	21	+	1126.8776	93.5	3	I
37	16	22	-	36	16	21	-	1126.8808	94.2	0	I
30	5	25	+	29	5	24	+	1126.9049	61.4	0	I
30	5	25	-	29	5	24	-	1126.9131	62.3	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
39	18	22	+	38	18	21	+	1126.9269	62.6	-5	II
39	18	22	-	38	18	21	-	1126.9313	97.1	1	II
31	3	29	+	30	3	28	+	1126.9477	48.5	-1	I
31	3	29	-	30	3	28	-	1126.9477	48.5	-16	I
32	1	31	-	31	1	30	-	1127.0029	38.0	-1	I
32	1	31	+	31	1	30	+	1127.0029	38.0	0	I
33	1	33	+	32	1	32	+	1127.0306	35.3	-1	I
33	1	33	-	32	1	32	-	1127.0306	35.3	1	I
31	6	26	+	30	6	25	+	1127.0682	65.5	0	I
31	6	26	-	30	6	25	-	1127.0741	60.7	3	I
33	10	24	-	32	10	23	-	1127.0797	78.5	0	I
35	13	23	+	34	13	22	+	1127.0946	87.6	1	I
35	13	23	-	34	13	22	-	1127.0984	88.5	0	I
32	8	24	+	31	8	23	+	1127.1109	71.8	0	I
32	8	24	-	31	8	23	-	1127.1158	72.7	0	I
36	14	22	+	35	14	21	+	1127.2145	88.8	1	I
31	4	28	+	30	4	27	+	1127.2189	57.1	-3	I
36	14	22	-	35	14	21	-	1127.2189	57.1	7	I
31	4	28	-	30	4	27	-	1127.2229	60.4	1	I
31	5	27	+	30	5	26	+	1127.2370	62.3	-1	I
31	5	27	-	30	5	26	-	1127.2425	63.3	1	I
60	5	55	+	60	5	56	+	1127.2480	80.0	13	II
30	3	27	+	29	3	26	+	1127.2709	57.3	-1	I
30	3	27	-	29	3	26	-	1127.2749	51.2	1	I
34	11	23	+	33	11	22	+	1127.2749	51.2	-7	I
34	11	23	-	33	11	22	-	1127.2797	81.1	0	I
37	15	23	+	36	15	22	+	1127.3065	93.2	2	I
37	15	23	-	36	15	22	-	1127.3101	93.1	0	I
30	4	26	+	29	4	25	+	1127.3355	59.1	0	I
30	4	26	-	29	4	25	-	1127.3440	60.2	-1	I
33	9	25	+	32	9	24	+	1127.3587	73.9	1	I
33	9	25	-	32	9	24	-	1127.3619	62.8	-13	I
32	7	25	+	31	7	24	+	1127.3619	62.8	3	I
32	7	25	-	31	7	24	-	1127.3671	69.4	0	I
38	16	22	+	37	16	21	+	1127.3703	41.7	1	II
38	16	22	-	37	16	21	-	1127.3742	41.1	1	II
39	17	23	-	38	17	22	-	1127.4106	34.2	1	II
42	2	40	-	42	2	41	-	1127.4319	96.0	6	I
33	2	32	-	32	2	31	-	1127.4462	39.7	0	I
33	2	32	+	32	2	31	+	1127.4462	39.7	1	I
35	12	24	-	34	12	23	-	1127.4521	85.5	-1	I
34	0	34	-	33	0	33	-	1127.4848	36.2	1	I
34	0	34	+	33	0	33	+	1127.4848	36.2	-1	I
32	2	30	-	31	2	29	-	1127.5256	42.0	-2	I
32	2	30	+	31	2	29	+	1127.5256	42.0	1	I
34	10	24	+	33	10	23	+	1127.5813	79.8	0	I
34	10	24	-	33	10	23	-	1127.5858	79.9	0	I
36	13	23	+	35	13	22	+	1127.5928	88.5	0	I
36	13	23	-	35	13	22	-	1127.5969	89.1	0	I
33	8	26	+	32	8	25	+	1127.6231	73.3	0	I
33	8	26	-	32	8	25	-	1127.6284	70.9	3	I
32	6	26	+	31	6	25	+	1127.6308	65.6	-1	I
38	1	37	+	38	1	38	+	1127.6308	65.6	-3	I
32	6	26	-	31	6	25	-	1127.6375	67.9	0	I
54	4	50	+	54	4	51	+	1127.6755	83.0	7	II
37	14	24	+	36	14	23	+	1127.7097	91.6	0	I
37	14	24	-	36	14	23	-	1127.7137	92.0	-1	I
54	4	50	-	54	4	51	-	1127.7243	97.4	12	II
35	11	25	+	34	11	24	+	1127.7776	83.4	1	I
35	11	25	-	34	11	24	-	1127.7818	83.7	-1	I
38	15	23	+	37	15	22	+	1127.7987	36.3	0	II
38	15	23	-	37	15	22	-	1127.8027	38.9	0	II
43	20	24	-	42	20	23	-	1127.8381	56.7	-4	II
34	9	25	+	33	9	24	+	1127.8637	51.0	-21	I
39	16	24	-	38	16	23	-	1127.8637	51.0	7	I
33	3	31	-	32	3	30	-	1127.8637	51.0	0	I
33	3	31	+	32	3	30	+	1127.8637	51.0	12	I
34	9	25	-	33	9	24	-	1127.8709	74.9	2	I
33	7	27	+	32	7	26	+	1127.8734	69.1	-1	I
33	7	27	-	32	7	26	-	1127.8791	70.5	1	I
34	1	33	-	33	1	32	-	1127.9009	42.0	-1	I
34	1	33	+	33	1	32	+	1127.9009	42.0	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
35	1	35	+	34	1	34	+	1127.9358	39.2	-1	I
35	1	35	-	34	1	34	-	1127.9358	39.2	1	I
36	12	24	+	35	12	23	+	1127.9464	86.5	-1	I
36	12	24	-	35	12	23	-	1127.9508	87.5	0	I
32	5	27	+	31	5	26	+	1128.0313	64.7	0	I
32	5	27	-	31	5	26	-	1128.0403	65.8	-1	I
35	10	26	+	34	10	25	+	1128.0841	80.9	0	I
35	10	26	-	34	10	25	-	1128.0886	75.1	-2	I
37	13	25	+	36	13	24	+	1128.0886	75.1	7	I
37	13	25	-	36	13	24	-	1128.0921	89.2	-2	I
33	6	28	+	32	6	27	+	1128.1045	68.9	-1	I
33	6	28	-	32	6	27	-	1128.1104	69.5	1	I
34	8	26	+	33	8	25	+	1128.1332	75.0	0	I
34	8	26	-	33	8	25	-	1128.1385	75.9	1	I
33	4	30	+	32	4	29	+	1128.1769	63.4	-2	I
33	4	30	-	32	4	29	-	1128.1803	64.1	2	I
32	3	29	+	31	3	28	+	1128.1863	59.7	0	I
32	3	29	-	31	3	28	-	1128.1889	60.4	0	I
38	14	24	+	37	14	23	+	1128.2018	91.5	2	I
38	14	24	-	37	14	23	-	1128.2059	92.0	-1	I
33	5	29	+	32	5	28	+	1128.2502	66.6	-1	I
33	5	29	-	32	5	28	-	1128.2556	66.7	1	I
36	11	25	+	35	11	24	+	1128.2764	84.9	0	I
36	11	25	-	35	11	24	-	1128.2809	84.5	0	I
39	15	25	+	38	15	24	+	1128.2879	42.0	1	II
39	15	25	-	38	15	24	-	1128.2922	39.6	0	II
44	2	42	-	44	2	43	-	1128.2983	96.4	2	II
35	2	34	+	34	2	33	+	1128.3419	45.5	1	I
35	2	34	-	34	2	33	-	1128.3419	45.5	0	I
40	16	24	+	39	16	23	+	1128.3467	47.5	3	II
40	16	24	-	39	16	23	-	1128.3510	50.7	1	II
35	9	27	+	34	9	26	+	1128.3702	78.5	0	I
35	9	27	-	34	9	26	-	1128.3752	77.3	0	I
36	0	36	+	35	0	35	+	1128.3839	40.3	-1	I
36	0	36	-	35	0	35	-	1128.3839	40.3	1	I
34	2	32	+	33	2	31	+	1128.3895	45.7	1	I
34	2	32	-	33	2	31	-	1128.3895	45.7	-2	I
34	7	27	+	33	7	26	+	1128.3938	70.1	-1	I
34	7	27	-	33	7	26	-	1128.3998	73.2	1	I
32	4	28	+	31	4	27	+	1128.4170	62.8	0	I
32	4	28	-	31	4	27	-	1128.4248	63.7	-1	I
37	12	26	+	36	12	25	+	1128.4417	87.9	0	I
37	12	26	-	36	12	25	-	1128.4463	88.4	0	I
40	1	39	+	40	1	40	+	1128.5133	99.1	3	I
38	13	25	+	37	13	24	+	1128.5799	89.5	0	I
36	10	26	+	35	10	25	+	1128.5840	75.7	1	I
38	13	25	-	37	13	24	-	1128.5840	75.7	-4	I
36	10	26	-	35	10	25	-	1128.5888	82.7	0	I
35	8	28	+	34	8	27	+	1128.6394	76.1	0	I
35	8	28	-	34	8	27	-	1128.6450	76.3	1	I
39	14	26	+	38	14	25	+	1128.6905	91.4	0	I
39	14	26	-	38	14	25	-	1128.6950	65.2	-1	I
34	6	28	+	33	6	27	+	1128.6950	65.2	0	I
34	6	28	-	33	6	27	-	1128.7024	70.9	0	I
35	3	33	+	34	3	32	+	1128.7593	56.8	4	I
35	3	33	-	34	3	32	-	1128.7593	56.8	-5	I
37	11	27	+	36	11	26	+	1128.7722	84.3	2	I
37	11	27	-	36	11	26	-	1128.7771	83.8	2	I
36	1	35	+	35	1	34	+	1128.7881	47.1	0	I
36	1	35	-	35	1	34	-	1128.7881	47.1	0	I
37	1	37	-	36	1	36	-	1128.8289	43.2	1	I
37	1	37	+	36	1	36	+	1128.8289	43.2	-1	I
41	16	26	-	40	16	25	-	1128.8345	43.2	1	II
36	9	27	+	35	9	26	+	1128.8716	80.0	0	I
36	9	27	-	35	9	26	-	1128.8769	80.4	1	I
35	7	29	+	34	7	28	+	1128.8963	73.8	0	I
35	7	29	-	34	7	28	-	1128.9022	74.5	1	I
38	12	26	+	37	12	25	+	1128.9337	89.0	-1	I
38	12	26	-	37	12	25	-	1128.9385	89.0	-1	I
34	3	31	+	33	3	30	+	1129.0530	58.3	3	I
39	13	27	+	38	13	26	+	1129.0684	91.4	-1	I
39	13	27	-	38	13	26	-	1129.0734	91.3	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
37	10	28	+	36	10	27	+	1129.0806	83.4	0	I
37	10	28	-	36	10	27	-	1129.0858	83.1	0	I
46	2	44	+	46	2	45	+	1129.1003	96.8	-6	I
35	4	32	+	34	4	31	+	1129.1075	67.5	-2	I
35	4	32	-	34	4	31	-	1129.1106	67.2	2	I
35	6	30	+	34	6	29	+	1129.1291	76.8	9	I
35	6	30	-	34	6	29	-	1129.1321	71.3	0	I
36	8	28	+	35	8	27	+	1129.1446	77.7	0	I
36	8	28	-	35	8	27	-	1129.1504	78.1	1	I
34	5	29	+	33	5	28	+	1129.1577	68.6	0	I
34	5	29	-	33	5	28	-	1129.1674	69.2	-1	I
40	14	26	+	39	14	25	+	1129.1760	35.0	0	II
40	14	26	-	39	14	25	-	1129.1808	36.5	0	II
37	2	36	-	36	2	35	-	1129.2252	50.0	0	I
37	2	36	+	36	2	35	+	1129.2252	50.0	1	I
35	5	31	+	34	5	30	+	1129.2387	70.0	-1	I
35	5	31	-	34	5	30	-	1129.2439	69.8	2	I
36	2	34	+	35	2	33	+	1129.2487	52.4	2	I
36	2	34	-	35	2	33	-	1129.2487	52.4	-2	I
41	15	27	+	40	15	26	+	1129.2564	44.3	1	II
41	15	27	-	40	15	26	-	1129.2612	43.9	-1	II
38	11	27	+	37	11	26	+	1129.2647	85.9	0	I
38	0	38	-	37	0	37	-	1129.2709	44.3	0	I
38	11	27	-	37	11	26	-	1129.2709	44.3	11	I
38	0	38	+	37	0	37	+	1129.2709	44.3	-2	I
42	16	26	+	41	16	25	+	1129.3100	57.5	4	II
42	16	26	-	41	16	25	-	1129.3149	59.3	3	II
58	4	54	+	58	4	55	+	1129.3583	97.1	4	II
37	9	29	+	36	9	28	+	1129.3701	80.8	0	I
37	9	29	-	36	9	28	-	1129.3756	81.8	1	I
36	7	29	+	35	7	28	+	1129.4187	75.5	0	I
36	7	29	-	35	7	28	-	1129.4252	75.1	1	I
34	4	30	+	33	4	29	+	1129.4464	66.9	0	I
34	4	30	-	33	4	29	-	1129.4533	67.3	-1	I
40	13	27	+	39	13	26	+	1129.5540	91.9	0	I
40	13	27	-	39	13	26	-	1129.5590	91.9	0	I
38	10	28	+	37	10	27	+	1129.5743	84.8	-1	I
38	10	28	-	37	10	27	-	1129.5797	85.0	0	I
37	3	35	+	36	3	34	+	1129.6389	59.0	4	I
37	3	35	-	36	3	34	-	1129.6389	59.0	-3	I
37	8	30	+	36	8	29	+	1129.6448	78.2	-1	I
37	8	30	-	36	8	29	-	1129.6507	78.9	0	I
41	14	28	+	40	14	27	+	1129.6585	38.6	1	II
38	1	37	-	37	1	36	-	1129.6638	49.8	0	I
41	14	28	-	40	14	27	-	1129.6638	49.8	9	I
38	1	37	+	37	1	36	+	1129.6638	49.8	0	I
39	1	39	+	38	1	38	+	1129.7099	49.0	-1	I
39	1	39	-	38	1	38	-	1129.7099	49.0	0	I
42	15	27	+	41	15	26	+	1129.7360	50.9	2	II
42	15	27	-	41	15	26	-	1129.7410	51.5	0	II
39	11	29	+	38	11	28	+	1129.7542	87.4	0	I
39	11	29	-	38	11	28	-	1129.7595	87.3	0	I
36	6	30	+	35	6	29	+	1129.7637	73.6	0	I
36	6	30	-	35	6	29	-	1129.7721	74.5	0	I
43	16	28	+	42	16	27	+	1129.7870	59.7	7	II
66	5	61	+	66	5	62	+	1129.7890	70.1	-8	II
43	16	28	-	42	16	27	-	1129.7919	50.8	3	II
66	5	61	-	66	5	62	-	1129.8380	98.8	3	II
38	9	29	+	37	9	28	+	1129.8658	82.3	0	I
38	9	29	-	37	9	28	-	1129.8715	82.7	1	I
36	3	33	+	35	3	32	+	1129.8829	56.9	4	I
36	3	33	-	35	3	32	-	1129.8829	56.9	-5	I
40	12	28	+	39	12	27	+	1129.9078	71.6	-6	I
37	7	31	+	36	7	30	+	1129.9078	71.6	1	I
37	7	31	-	36	7	30	-	1129.9139	71.5	0	I
40	12	28	-	39	12	27	-	1129.9139	71.5	2	I
48	2	46	-	48	2	47	-	1129.9799	99.1	11	I
37	4	34	+	36	4	33	+	1130.0122	70.7	-2	I
37	4	34	-	36	4	33	-	1130.0150	71.2	3	I
41	13	29	+	40	13	28	+	1130.0364	92.1	1	I
41	13	29	-	40	13	28	-	1130.0415	92.8	0	I
39	10	30	+	38	10	29	+	1130.0650	85.5	0	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
39	10	30	—	38	10	29	—	1130.0706	86.2	1	I
39	2	38	+	38	2	37	+	1130.0962	54.2	1	I
39	2	38	—	38	2	37	—	1130.0962	54.2	0	I
38	2	36	—	37	2	35	—	1130.1018	57.6	-2	I
38	2	36	+	37	2	35	+	1130.1018	57.6	1	I
37	6	32	+	36	6	31	+	1130.1303	75.9	0	I
37	6	32	—	36	6	31	—	1130.1367	73.5	3	I
40	0	40	—	39	0	39	—	1130.1459	42.7	0	I
60	4	56	+	60	4	57	+	1130.1459	42.7	-8	I
40	0	40	+	39	0	39	+	1130.1459	42.7	-1	I
38	8	30	+	37	8	29	+	1130.1459	42.7	0	I
38	8	30	—	37	8	29	—	1130.1520	80.3	0	I
60	4	56	—	60	4	57	—	1130.1928	84.4	-6	II
37	5	33	+	36	5	32	+	1130.2003	73.5	-2	I
37	5	33	—	36	5	32	—	1130.2053	74.7	2	I
43	15	29	+	42	15	28	+	1130.2124	47.8	4	II
43	15	29	—	42	15	28	—	1130.2173	52.6	0	II
40	11	29	+	39	11	28	+	1130.2406	88.9	0	I
40	11	29	—	39	11	28	—	1130.2461	89.1	0	I
44	16	28	+	43	16	27	+	1130.2602	50.9	4	II
44	16	28	—	43	16	27	—	1130.2658	54.9	5	II
36	5	31	+	35	5	30	+	1130.2701	71.8	0	I
36	5	31	—	35	5	30	—	1130.2800	71.8	-1	I
39	9	31	+	38	9	30	+	1130.3584	83.6	0	I
39	9	31	—	38	9	30	—	1130.3643	83.4	0	I
41	12	30	+	40	12	29	+	1130.3909	91.2	-1	I
41	12	30	—	40	12	29	—	1130.3963	91.5	-1	I
36	4	32	+	35	4	31	+	1130.4183	69.0	1	I
36	4	32	—	35	4	31	—	1130.4209	75.1	-10	I
38	7	31	+	37	7	30	+	1130.4381	77.6	0	I
38	7	31	—	37	7	30	—	1130.4452	79.8	1	I
39	3	37	—	38	3	36	—	1130.5032	63.5	-3	I
39	3	37	+	38	3	36	+	1130.5032	63.5	3	I
42	13	29	+	41	13	28	+	1130.5153	92.7	0	I
42	13	29	—	41	13	28	—	1130.5207	92.8	-1	I
40	1	39	—	39	1	38	—	1130.5281	57.1	0	I
40	1	39	+	39	1	38	+	1130.5281	57.1	1	I
40	10	30	+	39	10	29	+	1130.5527	86.7	-1	I
40	10	30	—	39	10	29	—	1130.5585	86.0	0	I
41	1	41	+	40	1	40	+	1130.5789	54.8	-1	I
41	1	41	—	40	1	40	—	1130.5789	54.8	0	I
43	14	30	+	42	14	29	+	1130.6134	47.3	1	II
43	14	30	—	42	14	29	—	1130.6188	48.0	-1	II
39	8	32	+	38	8	31	+	1130.6391	82.4	-1	I
39	8	32	—	38	8	31	—	1130.6454	82.4	1	I
44	15	29	+	43	15	28	+	1130.6852	55.8	4	II
38	3	35	—	37	3	34	—	1130.6910	58.6	-4	I
38	3	35	+	37	3	34	+	1130.6910	58.6	2	I
41	11	31	+	40	11	30	+	1130.7238	18.6	-2	I
45	16	30	+	44	16	29	+	1130.7296	12.9	-3	I
41	11	31	—	40	11	30	—	1130.7296	12.9	1	I
45	16	30	—	44	16	29	—	1130.7362	67.9	6	I
38	6	32	+	37	6	31	+	1130.8398	77.5	0	I
38	6	32	—	37	6	31	—	1130.8489	67.3	-2	I
40	9	31	+	39	9	30	+	1130.8489	67.3	3	I
40	9	31	—	39	9	30	—	1130.8547	85.0	1	I
42	12	30	+	41	12	29	+	1130.8704	91.5	0	I
42	12	30	—	41	12	29	—	1130.8759	92.3	-1	I
39	4	36	+	38	4	35	+	1130.8929	73.6	-1	I
39	4	36	—	38	4	35	—	1130.8954	74.2	3	I
39	7	33	+	38	7	32	+	1130.9067	79.7	-1	I
39	7	33	—	38	7	32	—	1130.9134	81.0	1	I
40	2	38	+	39	2	37	+	1130.9474	63.5	2	I
40	2	38	—	39	2	37	—	1130.9474	63.5	-1	I
62	4	58	—	62	4	59	—	1130.9550	59.4	-3	I
41	2	40	—	40	2	39	—	1130.9550	59.4	0	I
41	2	40	+	40	2	39	+	1130.9550	59.4	0	I
43	13	31	+	42	13	30	+	1130.9912	40.2	0	II
43	13	31	—	42	13	30	—	1130.9967	40.7	-1	II
42	0	42	+	41	0	41	+	1131.0088	57.4	-1	I
42	0	42	—	41	0	41	—	1131.0088	57.4	0	I
56	3	53	—	56	3	54	—	1131.0219	92.3	16	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
41	10	32	+	40	10	31	+	1131.0373	15.8	-1	II
41	10	32	-	40	10	31	-	1131.0432	17.0	0	II
44	14	30	+	43	14	29	+	1131.0860	43.9	0	II
44	14	30	-	43	14	29	-	1131.0916	51.4	-1	II
39	6	34	+	38	6	33	+	1131.1146	78.9	-1	I
39	6	34	-	38	6	33	-	1131.1209	79.2	2	I
39	5	35	+	38	5	34	+	1131.1338	76.7	-1	I
40	8	32	+	39	8	31	+	1131.1379	68.9	6	I
39	5	35	-	38	5	34	-	1131.1379	68.9	-2	I
40	8	32	-	39	8	31	-	1131.1438	83.8	0	I
45	15	31	+	44	15	30	+	1131.1548	60.3	3	II
45	15	31	-	44	15	30	-	1131.1603	60.7	1	II
42	11	31	+	41	11	30	+	1131.2040	88.9	-1	I
42	11	31	-	41	11	30	-	1131.2099	90.7	0	I
63	5	59	+	63	3	60	+	1131.3051	97.2	0	II
38	4	34	+	37	4	33	+	1131.3298	74.2	0	I
41	9	33	+	40	9	32	+	1131.3346	67.6	-6	I
38	4	34	-	37	4	33	-	1131.3346	67.6	3	I
41	9	33	-	40	9	32	-	1131.3415	85.7	1	I
43	12	32	+	42	12	31	+	1131.3466	91.5	0	I
43	12	32	-	42	12	31	-	1131.3525	60.9	1	I
41	3	39	-	40	3	38	-	1131.3525	60.9	-13	I
41	3	39	+	40	3	38	+	1131.3525	60.9	-8	I
38	5	33	-	37	5	32	-	1131.3609	75.6	-2	I
42	1	41	-	41	1	40	-	1131.3803	62.4	0	I
42	1	41	+	41	1	40	+	1131.3803	62.4	0	I
43	1	43	-	42	1	42	-	1131.4357	60.4	0	I
43	1	43	+	42	1	42	+	1131.4357	60.4	-1	I
40	7	33	+	39	7	32	+	1131.4547	81.8	-1	I
40	7	33	-	39	7	32	-	1131.4626	80.7	2	I
44	13	31	-	43	13	30	-	1131.4695	43.8	-1	II
40	3	37	+	39	3	36	+	1131.4894	65.8	2	I
40	3	37	-	39	3	36	-	1131.4894	65.8	-2	I
42	10	32	+	41	10	31	+	1131.5191	88.7	-1	I
42	10	32	-	41	10	31	-	1131.5252	89.3	0	I
45	14	32	+	44	14	31	+	1131.5554	54.6	1	II
45	14	32	-	44	14	31	-	1131.5611	54.0	-1	II
41	8	34	+	40	8	33	+	1131.6222	83.6	-2	II
46	15	31	+	45	15	30	+	1131.6222	6.8	14	II
41	8	34	-	40	8	33	-	1131.6289	84.9	0	I
47	16	32	-	46	16	31	-	1131.6672	72.0	8	II
43	11	33	+	42	11	32	+	1131.6813	91.4	1	I
43	11	33	-	42	11	32	-	1131.6872	90.7	0	I
41	4	38	+	40	4	37	+	1131.7518	77.6	-1	I
41	4	38	-	40	4	37	-	1131.7539	77.7	3	I
42	2	40	-	41	2	39	-	1131.7838	68.4	-1	I
42	2	40	+	41	2	39	+	1131.7838	68.4	2	I
43	2	42	-	42	2	41	-	1131.8016	65.2	1	I
43	2	42	+	42	2	41	+	1131.8016	65.2	1	I
44	12	32	+	43	12	31	+	1131.8199	82.5	3	I
42	9	33	+	41	9	32	+	1131.8199	82.5	-2	I
44	12	32	-	43	12	31	-	1131.8263	84.2	7	I
42	9	33	-	41	9	32	-	1131.8263	84.2	-2	I
44	0	44	-	43	0	43	-	1131.8596	62.8	0	I
44	0	44	+	43	0	43	+	1131.8596	62.8	0	I
41	7	35	-	40	7	34	-	1131.8989	84.2	0	I
40	6	34	+	39	6	33	+	1131.9225	80.6	0	I
40	6	34	-	39	6	33	-	1131.9328	77.4	0	I
45	13	33	+	44	13	32	+	1131.9328	77.4	-5	I
45	13	33	-	44	13	32	-	1131.9390	95.1	-1	I
43	10	34	+	42	10	33	+	1131.9976	89.8	-2	I
43	10	34	-	42	10	33	-	1132.0040	90.4	0	I
46	14	32	+	45	14	31	+	1132.0215	56.7	1	II
46	14	32	-	45	14	31	-	1132.0274	57.4	0	II
41	5	37	+	40	5	36	+	1132.0386	80.5	-2	I
41	5	37	-	40	5	36	-	1132.0429	80.8	4	I
41	6	36	+	40	6	35	+	1132.0762	82.0	0	I
41	6	36	-	40	6	35	-	1132.0823	82.2	1	I
47	15	33	-	46	15	32	-	1132.0902	66.3	2	II
42	8	34	+	41	8	33	+	1132.1199	85.9	-1	I
48	16	32	-	47	16	31	-	1132.1269	85.0	0	I
42	8	34	-	41	8	33	-	1132.1269	85.0	1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
44	11	33	+	43	11	32	+	1132.1550	91.9	-2	I
44	11	33	-	43	11	32	-	1132.1613	92.0	0	I
40	4	36	+	39	4	35	+	1132.1822	77.1	0	I
40	4	36	-	39	4	35	-	1132.1854	77.7	0	I
43	3	41	-	42	3	40	-	1132.1905	71.8	-2	I
43	3	41	+	42	3	40	+	1132.1905	71.8	2	I
44	1	43	+	43	1	42	+	1132.2206	67.3	0	I
44	1	43	-	43	1	42	-	1132.2206	67.3	0	I
45	1	45	+	44	1	44	+	1132.2804	63.9	0	I
45	1	45	-	44	1	44	-	1132.2804	63.9	0	I
42	3	39	+	41	3	38	+	1132.2836	70.1	2	I
42	3	39	-	41	3	38	-	1132.2836	70.1	-3	I
45	12	34	+	44	12	33	+	1132.2893	92.9	-1	I
45	12	34	-	44	12	33	-	1132.2956	93.0	0	I
43	9	35	+	42	9	34	+	1132.3007	88.8	1	I
43	9	35	-	42	9	34	-	1132.3071	88.4	0	I
66	4	62	+	66	4	63	+	1132.3702	95.6	8	II
40	5	35	+	39	5	34	+	1132.3865	79.2	0	I
40	5	35	-	39	5	34	-	1132.3954	80.0	-1	I
46	13	33	+	45	13	32	+	1132.3993	48.4	0	II
46	13	33	-	45	13	32	-	1132.4054	51.9	-1	II
44	10	34	+	43	10	33	+	1132.4721	81.6	-14	I
42	7	35	+	41	7	34	+	1132.4721	81.6	2	I
44	10	34	-	43	10	33	-	1132.4802	78.5	3	I
42	7	35	-	41	7	34	-	1132.4802	78.5	-2	I
47	14	34	+	46	14	33	+	1132.4842	58.1	1	II
47	14	34	-	46	14	33	-	1132.4903	60.9	0	II
60	3	57	-	60	3	58	-	1132.5380	97.7	3	II
48	15	33	+	47	15	32	+	1132.5440	68.6	4	II
48	15	33	-	47	15	32	-	1132.5502	70.0	3	II
43	4	40	+	42	4	39	+	1132.5934	73.9	22	I
43	4	40	-	42	4	39	-	1132.5934	73.9	9	I
43	8	36	+	42	8	35	+	1132.5934	73.9	-8	I
43	8	36	-	42	8	35	-	1132.6010	87.6	0	I
44	2	42	-	43	2	41	-	1132.6101	73.7	0	I
44	2	42	+	43	2	41	+	1132.6101	73.7	2	I
45	11	35	+	44	11	34	+	1132.6259	34.1	-1	II
45	11	35	-	44	11	34	-	1132.6323	35.1	0	II
45	2	44	+	44	2	43	+	1132.6360	70.0	0	I
45	2	44	-	44	2	43	-	1132.6360	70.0	1	I
46	0	46	+	45	0	45	+	1132.6981	68.1	0	I
46	0	46	-	45	0	45	-	1132.6981	68.1	0	I
46	12	34	+	45	12	33	+	1132.7560	44.8	-1	II
46	12	34	-	45	12	33	-	1132.7623	45.8	-1	II
44	9	35	+	43	9	34	+	1132.7806	89.8	0	I
44	9	35	-	43	9	34	-	1132.7874	89.5	1	I
47	13	35	+	46	13	34	+	1132.8620	6.5	-3	II
43	7	37	+	42	7	36	+	1132.8620	6.5	-1	II
47	13	35	-	46	13	34	-	1132.8688	7.2	3	II
43	7	37	-	42	7	36	-	1132.8688	7.2	1	II
61	4	58	-	61	2	59	-	1132.9089	93.5	-2	II
43	5	39	+	42	5	38	+	1132.9150	83.7	-3	I
43	5	39	-	42	5	38	-	1132.9191	83.9	5	I
45	10	36	+	44	10	35	+	1132.9459	27.9	-2	II
45	10	36	-	44	10	35	-	1132.9524	28.7	-1	II
42	4	38	+	41	4	37	+	1132.9825	79.9	1	I
42	4	38	-	41	4	37	-	1132.9844	80.5	1	I
49	15	35	+	48	15	34	+	1133.0005	71.1	5	II
42	6	36	+	41	6	35	+	1133.0047	83.1	1	I
45	3	43	+	44	3	42	+	1133.0152	64.9	7	I
42	6	36	-	41	6	35	-	1133.0152	64.9	-5	I
43	6	38	-	42	6	37	-	1133.0152	64.9	-27	I
43	6	38	+	42	6	37	+	1133.0152	64.9	30	I
45	3	43	-	44	3	42	-	1133.0152	64.9	4	I
46	1	45	-	45	1	44	-	1133.0488	72.1	1	I
46	1	45	+	45	1	44	+	1133.0488	72.1	0	I
44	3	41	+	43	3	40	+	1133.0750	77.0	4	I
44	3	41	-	43	3	40	-	1133.0750	77.0	-1	I
44	8	36	+	43	8	35	+	1133.0944	85.5	-6	I
44	8	36	-	43	8	35	-	1133.1024	87.8	1	I
47	1	47	+	46	1	46	+	1133.1128	70.5	0	I
56	2	54	+	56	2	55	+	1133.1128	70.5	-7	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
47	1	47	—	46	1	46	—	1133.1128	70.5	-1	I
47	12	36	+	46	12	35	+	1133.2195	49.0	-1	II
47	12	36	—	46	12	35	—	1133.2259	49.4	-1	II
45	9	37	+	44	9	36	+	1133.2544	90.8	0	I
45	9	37	—	44	9	36	—	1133.2614	90.9	1	I
62	3	59	—	62	3	60	—	1133.2711	95.8	-8	II
48	13	35	+	47	13	34	+	1133.3219	59.1	0	II
48	13	35	—	47	13	34	—	1133.3283	59.9	-1	II
42	5	37	+	41	5	36	+	1133.3657	82.3	0	I
49	14	36	+	48	14	35	+	1133.4001	66.9	2	II
49	14	36	—	48	14	35	—	1133.4065	67.2	1	II
45	4	42	+	44	4	41	+	1133.4146	80.8	19	I
46	10	36	+	45	10	35	+	1133.4146	80.8	-13	I
45	4	42	—	44	4	41	—	1133.4146	80.8	8	I
46	2	44	+	45	2	43	+	1133.4253	77.4	0	I
46	2	44	—	45	2	43	—	1133.4253	77.4	-1	I
50	15	35	+	49	15	34	+	1133.4538	74.5	6	II
47	2	46	+	46	2	45	+	1133.4583	74.2	1	I
47	2	46	—	46	2	45	—	1133.4583	74.2	2	I
44	7	37	+	43	7	36	+	1133.4933	87.1	0	I
44	7	37	—	43	7	36	—	1133.5027	87.9	-1	I
48	0	48	—	47	0	47	—	1133.5244	73.3	-1	I
48	0	48	+	47	0	47	+	1133.5244	73.3	-1	I
45	8	38	+	44	8	37	+	1133.5537	89.9	-1	I
47	11	37	+	46	11	36	+	1133.5583	41.0	0	II
45	8	38	—	44	8	37	—	1133.5609	89.4	1	I
47	11	37	—	46	11	36	—	1133.5648	39.6	-1	II
63	4	60	+	63	2	61	+	1133.5911	97.3	1	II
63	4	60	—	63	2	61	—	1133.6337	99.0	-9	II
48	12	36	+	47	12	35	+	1133.6797	52.8	-1	II
48	12	36	—	47	12	35	—	1133.6863	52.7	-1	II
46	9	37	+	45	9	36	+	1133.7304	91.2	0	I
46	9	37	—	45	9	36	—	1133.7376	91.7	1	I
44	4	40	—	43	4	39	—	1133.7442	80.4	-2	I
45	5	41	+	44	5	40	+	1133.7647	86.5	-3	I
45	5	41	—	44	5	40	—	1133.7684	86.8	5	I
49	13	37	+	48	13	36	+	1133.7783	61.5	0	II
49	13	37	—	48	13	36	—	1133.7848	63.0	0	II
45	7	39	+	44	7	38	+	1133.8138	88.8	-1	I
45	7	39	—	44	7	38	—	1133.8210	89.0	3	I
47	3	45	+	46	3	44	+	1133.8265	79.9	3	I
47	3	45	—	46	3	44	—	1133.8265	79.9	1	I
50	14	36	+	49	14	35	+	1133.8530	69.7	2	II
48	1	47	—	47	1	46	—	1133.8646	73.8	-1	I
48	1	47	+	47	1	46	+	1133.8646	73.8	-2	I
46	3	43	+	45	3	42	+	1133.8646	73.8	28	I
47	10	38	+	46	10	37	+	1133.8821	37.6	-3	II
47	10	38	—	46	10	37	—	1133.8890	38.8	-1	II
51	15	37	+	50	15	36	+	1133.9037	76.9	8	II
51	15	37	—	50	15	36	—	1133.9102	78.0	5	II
45	6	40	+	44	6	39	+	1133.9207	87.6	-1	I
45	6	40	—	44	6	39	—	1133.9265	87.8	4	I
49	1	49	+	48	1	48	+	1133.9329	75.0	0	I
49	1	49	—	48	1	48	—	1133.9329	75.0	-1	I
64	3	61	—	64	3	62	—	1133.9894	99.2	-12	II
48	11	37	+	47	11	36	+	1134.0197	47.3	-1	II
48	11	37	—	47	11	36	—	1134.0265	48.4	-1	II
46	8	38	+	45	8	37	+	1134.0643	91.0	-1	I
44	6	38	+	43	6	37	+	1134.0723	79.0	0	I
46	8	38	—	45	8	37	—	1134.0723	79.0	1	I
44	6	38	—	43	6	37	—	1134.0833	87.0	-2	I
49	12	38	+	48	12	37	+	1134.1367	57.0	-1	II
49	12	38	—	48	12	37	—	1134.1434	57.5	-1	II
47	9	39	+	46	9	38	+	1134.1967	92.4	0	I
47	9	39	—	46	9	38	—	1134.2039	92.9	1	I
47	4	44	+	46	4	43	+	1134.2197	86.0	13	I
47	4	44	—	46	4	43	—	1134.2197	86.0	5	I
48	2	46	+	47	2	45	+	1134.2295	81.5	2	I
48	2	46	—	47	2	45	—	1134.2295	81.5	1	I
50	13	37	—	49	13	36	—	1134.2380	66.4	0	II
49	2	48	+	48	2	47	+	1134.2682	79.0	0	I
49	2	48	—	48	2	47	—	1134.2682	79.0	1	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
44	5	39	+	43	5	38	+	1134.2832	85.2	1	I
44	5	39	—	43	5	38	—	1134.2898	85.1	0	I
51	14	38	+	50	14	37	+	1134.3026	73.8	3	II
51	14	38	—	50	14	37	—	1134.3093	74.6	2	II
50	0	50	+	49	0	49	+	1134.3384	77.5	0	I
50	0	50	—	49	0	49	—	1134.3384	77.5	-1	I
48	10	38	+	47	10	37	+	1134.3463	41.6	-2	II
52	15	37	+	51	15	36	+	1134.3498	78.9	5	II
48	10	38	—	47	10	37	—	1134.3533	42.4	-1	II
52	15	37	—	51	15	36	—	1134.3567	80.0	5	II
66	5	61	—	65	5	60	—	1134.4181	99.3	5	II
46	4	42	+	45	4	41	+	1134.4811	82.1	4	I
46	4	42	—	45	4	41	—	1134.4811	82.1	-3	I
49	11	39	—	48	11	38	—	1134.4849	46.9	-1	II
47	8	40	+	46	8	39	+	1134.5002	91.6	-4	I
47	8	40	—	46	8	39	—	1134.5079	92.5	2	I
46	7	39	+	45	7	38	+	1134.5217	89.8	-1	I
46	7	39	—	45	7	38	—	1134.5320	90.0	-2	I
50	12	38	+	49	12	37	+	1134.5895	87.4	-13	I
47	5	43	+	46	5	42	+	1134.5895	87.4	-1	I
47	5	43	—	46	5	42	—	1134.5925	88.6	5	I
50	12	38	—	49	12	37	—	1134.5973	59.3	-1	II
60	2	58	+	60	2	59	+	1134.6198	97.1	7	II
49	3	47	—	48	3	46	—	1134.6256	83.5	1	I
49	3	47	+	48	3	46	+	1134.6256	83.5	2	I
48	3	45	+	47	3	44	+	1134.6430	85.5	2	I
48	3	45	—	47	3	44	—	1134.6430	85.5	-2	I
60	2	58	—	60	2	59	—	1134.6623	97.2	-6	II
48	9	39	+	47	9	38	+	1134.6687	79.0	-14	I
50	1	49	+	49	1	48	+	1134.6687	79.0	2	I
50	1	49	—	49	1	48	—	1134.6687	79.0	3	I
48	9	39	—	47	9	38	—	1134.6776	93.6	1	I
51	13	39	+	50	13	38	+	1134.6812	67.4	0	II
51	13	39	—	50	13	38	—	1134.6880	69.8	0	II
51	1	51	—	50	1	50	—	1134.7407	78.9	-1	I
51	1	51	+	50	1	50	+	1134.7407	78.9	0	I
47	7	41	+	46	7	40	+	1134.7450	90.1	-1	I
52	14	38	+	51	14	37	+	1134.7490	73.7	4	II
47	7	41	—	46	7	40	—	1134.7521	90.7	3	I
52	14	38	—	51	14	37	—	1134.7557	74.9	1	II
47	6	42	+	46	6	41	+	1134.8002	89.1	-2	II
53	15	39	—	52	15	38	—	1134.8002	17.9	8	II
49	10	40	+	48	10	39	+	1134.8060	86.5	-7	I
47	6	42	—	46	6	41	—	1134.8060	86.5	7	I
49	10	40	—	48	10	39	—	1134.8136	94.5	-1	I
50	11	39	+	49	11	38	+	1134.9333	55.7	-2	II
50	11	39	—	49	11	38	—	1134.9404	55.9	-1	II
49	4	46	—	48	4	45	—	1135.0105	88.3	6	I
49	4	46	+	48	4	45	+	1135.0105	88.3	12	I
50	2	48	+	49	2	47	+	1135.0216	85.4	0	I
50	2	48	—	49	2	47	—	1135.0216	85.4	1	I
48	8	40	+	47	8	39	+	1135.0304	92.4	-1	I
51	12	40	+	50	12	39	+	1135.0391	32.7	-21	II
48	8	40	—	47	8	39	—	1135.0393	92.0	2	I
51	12	40	—	50	12	39	—	1135.0481	64.8	0	II
51	2	50	+	50	2	49	+	1135.0657	82.9	0	I
51	2	50	—	50	2	49	—	1135.0657	82.9	1	I
46	6	40	+	45	6	39	+	1135.1078	88.9	1	I
46	6	40	—	45	6	39	—	1135.1184	89.6	-3	I
49	9	41	+	48	9	40	+	1135.1273	30.7	1	II
52	13	39	+	51	13	38	+	1135.1273	30.7	-4	II
46	5	41	+	45	5	40	+	1135.1359	86.0	-5	I
52	13	39	—	51	13	38	—	1135.1361	12.9	14	II
52	0	52	—	51	0	51	—	1135.1402	78.6	1	I
46	5	41	—	45	5	40	—	1135.1402	78.6	-15	I
52	0	52	+	51	0	51	+	1135.1402	78.6	2	I
53	14	40	+	52	14	39	+	1135.1919	79.1	4	II
53	14	40	—	52	14	39	—	1135.1989	79.5	3	II
48	4	44	—	47	4	43	—	1135.2079	86.1	-2	I
48	4	44	+	47	4	43	+	1135.2079	86.1	4	I
54	15	39	—	53	15	38	—	1135.2402	85.1	10	II
50	10	40	+	49	10	39	+	1135.2651	50.4	-3	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
50	10	40	—	49	10	39	—	1135.2724	51.5	-1	II
68	3	65	+	68	3	66	+	1135.3415	99.6	5	II
62	2	60	+	62	2	61	+	1135.3503	99.1	-11	II
51	11	41	+	50	11	40	+	1135.3853	59.5	-2	II
49	5	45	+	48	5	44	+	1135.3910	25.2	-2	II
51	3	49	+	50	3	48	+	1135.4128	86.4	3	I
51	3	49	—	50	3	48	—	1135.4128	86.4	4	I
50	3	47	+	49	3	46	+	1135.4157	88.1	-3	I
50	3	47	—	49	3	46	—	1135.4157	88.1	-6	I
49	8	42	+	48	8	41	+	1135.4323	93.6	14	I
49	8	42	—	48	8	41	—	1135.4399	93.3	-1	I
52	1	51	+	51	1	50	+	1135.4601	84.6	1	I
52	1	51	—	51	1	50	—	1135.4601	84.6	3	I
52	12	40	+	51	12	39	+	1135.4885	67.9	-1	II
52	12	40	—	51	12	39	—	1135.4956	68.5	-1	II
53	1	53	+	52	1	52	+	1135.5361	83.4	0	II
53	1	53	—	52	1	52	—	1135.5361	83.4	-2	II
48	7	41	+	47	7	40	+	1135.5562	30.1	-1	II
48	7	41	—	47	7	40	—	1135.5675	30.3	-2	II
53	13	41	+	52	13	40	+	1135.5709	71.6	0	II
53	13	41	—	52	13	40	—	1135.5781	75.8	1	II
50	9	41	+	49	9	40	+	1135.6007	94.8	2	I
50	9	41	—	49	9	40	—	1135.6085	94.9	2	I
54	14	40	+	53	14	39	+	1135.6316	80.9	4	II
54	14	40	—	53	14	39	—	1135.6387	81.6	4	II
49	6	44	+	48	6	43	+	1135.6508	90.7	2	I
49	7	43	+	48	7	42	+	1135.6556	91.5	28	I
49	6	44	—	48	6	43	—	1135.6556	91.5	7	I
49	7	43	—	48	7	42	—	1135.6597	92.7	3	I
55	15	41	—	54	15	40	—	1135.6768	86.9	11	II
51	10	42	+	50	10	41	+	1135.7185	95.9	-3	I
51	10	42	—	50	10	41	—	1135.7260	95.9	-1	I
51	4	48	—	50	4	47	—	1135.7863	91.0	-6	I
51	4	48	+	50	4	47	+	1135.7863	91.0	-2	I
52	2	50	—	51	2	49	—	1135.8020	88.1	3	I
52	2	50	+	51	2	49	+	1135.8020	88.1	1	I
52	11	41	+	51	11	40	+	1135.8344	63.6	-2	II
52	11	41	—	51	11	40	—	1135.8418	64.2	-1	II
53	2	52	—	52	2	51	—	1135.8511	86.4	3	I
53	2	52	+	52	2	51	+	1135.8511	86.4	0	I
58	1	57	+	58	1	58	+	1135.8628	97.7	8	II
50	4	46	+	49	4	45	+	1135.9301	77.6	2	I
50	4	46	—	49	4	45	—	1135.9301	77.6	-3	I
48	5	43	—	47	5	42	—	1135.9301	77.6	-7	I
48	5	43	+	47	5	42	+	1135.9301	77.6	31	I
53	12	42	+	52	12	41	+	1135.9301	77.6	-17	I
54	0	54	+	53	0	53	+	1135.9301	77.6	9	I
54	0	54	—	53	0	53	—	1135.9301	77.6	8	I
53	12	42	—	52	12	41	—	1135.9398	71.1	0	II
50	8	42	+	49	8	41	+	1135.9967	94.0	-3	I
50	8	42	—	49	8	41	—	1136.0063	94.0	0	I
54	13	41	+	53	13	40	+	1136.0110	77.3	0	II
54	13	41	—	53	13	40	—	1136.0182	78.3	1	II
51	9	43	+	50	9	42	+	1136.0456	95.4	0	I
51	9	43	—	50	9	42	—	1136.0535	95.8	3	I
55	14	42	+	54	14	41	+	1136.0679	83.8	4	II
55	14	42	—	54	14	41	—	1136.0752	83.6	5	II
48	6	42	+	47	6	41	+	1136.0954	91.4	1	I
48	6	42	—	47	6	41	—	1136.1052	91.6	-1	I
52	10	42	+	51	10	41	+	1136.1720	89.9	-6	I
51	5	47	+	50	5	46	+	1136.1720	89.9	-2	I
51	5	47	—	50	5	46	—	1136.1720	89.9	-18	I
52	3	49	+	51	3	48	+	1136.1799	87.8	0	I
52	10	42	—	51	10	41	—	1136.1799	87.8	-2	I
52	3	49	—	51	3	48	—	1136.1799	87.8	-1	I
53	3	51	+	52	3	50	+	1136.1873	89.6	2	I
53	3	51	—	52	3	50	—	1136.1873	89.6	5	I
54	1	53	—	53	1	52	—	1136.2391	87.6	3	II
54	1	53	+	53	1	52	+	1136.2391	87.6	0	II
53	11	43	+	52	11	42	+	1136.2801	67.4	-2	II
53	11	43	—	52	11	42	—	1136.2875	67.7	-1	II
59	9	51	—	59	7	52	—	1136.3097	99.2	-1	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
55	1	55	+	54	1	54	+	1136.3191	87.4	0	I
55	1	55	-	54	1	54	-	1136.3191	87.4	-2	I
59	9	51	+	59	7	52	+	1136.3406	98.6	2	II
51	8	44	+	50	8	43	+	1136.3483	95.0	0	I
51	8	44	-	50	8	43	-	1136.3563	94.5	3	I
54	12	42	+	53	12	41	+	1136.3735	74.6	-2	II
54	12	42	-	53	12	41	-	1136.3809	74.1	0	II
55	13	43	+	54	13	42	+	1136.4477	80.6	1	II
55	13	43	-	54	13	42	-	1136.4549	80.6	1	II
65	3	63	-	65	1	64	-	1136.4656	96.8	-4	II
51	6	46	+	50	6	45	+	1136.4717	94.2	-1	I
51	6	46	-	50	6	45	-	1136.4763	93.9	7	I
56	14	42	+	55	14	41	+	1136.5007	83.8	4	II
56	14	42	-	55	14	41	-	1136.5082	85.6	5	II
52	9	43	+	51	9	42	+	1136.5230	55.3	0	II
52	9	43	-	51	9	42	-	1136.5315	53.9	3	II
57	15	43	+	56	15	42	+	1136.5315	53.9	5	II
51	7	45	+	50	7	44	+	1136.5345	94.0	-1	I
51	7	45	-	50	7	44	-	1136.5413	93.9	4	I
53	4	50	+	52	4	49	+	1136.5503	34.9	-1	II
53	4	50	-	52	4	49	-	1136.5503	34.9	-3	II
54	2	52	+	53	2	51	+	1136.5701	90.6	-1	I
54	2	52	-	53	2	51	-	1136.5701	90.6	3	I
50	7	43	+	49	7	42	+	1136.5901	39.4	-1	II
50	7	43	-	49	7	42	-	1136.6020	40.3	-4	II
60	1	59	+	60	1	60	+	1136.6134	97.6	-9	II
53	10	44	+	52	10	43	+	1136.6186	96.7	-4	I
55	2	54	+	54	2	53	+	1136.6240	88.3	0	I
55	2	54	-	54	2	53	-	1136.6240	88.3	3	I
52	4	48	+	51	4	47	+	1136.6527	35.2	0	II
52	4	48	-	51	4	47	-	1136.6527	35.2	-4	II
50	5	45	+	49	5	44	+	1136.6623	34.7	0	II
50	5	45	-	49	5	44	-	1136.6651	33.2	4	II
56	0	56	+	55	0	55	+	1136.7060	88.6	-1	I
56	0	56	-	55	0	55	-	1136.7060	88.6	-1	I
54	11	43	+	53	11	42	+	1136.7231	70.9	-2	II
54	11	43	-	53	11	42	-	1136.7307	71.5	0	II
55	12	44	+	54	12	43	+	1136.8111	77.7	-2	II
55	12	44	-	54	12	43	-	1136.8187	77.8	1	II
56	13	43	+	55	13	42	+	1136.8810	83.1	1	II
56	13	43	-	55	13	42	-	1136.8885	82.8	2	II
53	5	49	+	52	5	48	+	1136.9343	88.3	-4	I
54	3	51	-	53	3	50	-	1136.9343	88.3	9	I
54	3	51	+	53	3	50	+	1136.9343	19.0	9	II
57	14	44	-	56	14	43	-	1136.9371	39.0	-2	II
55	3	53	-	54	3	52	-	1136.9498	90.4	8	I
55	3	53	+	54	3	52	+	1136.9498	90.4	4	I
53	9	45	-	52	9	44	-	1136.9593	53.1	3	II
52	8	44	+	51	8	43	+	1136.9667	94.4	-4	I
52	8	44	-	51	8	43	-	1136.9771	95.7	-3	I
56	1	55	-	55	1	54	-	1137.0058	90.1	4	II
56	1	55	+	55	1	54	+	1137.0058	90.1	0	II
50	6	44	+	49	6	43	+	1137.0242	93.5	1	II
50	6	44	-	49	6	43	-	1137.0333	93.0	-15	I
54	10	44	+	53	10	43	+	1137.0683	67.6	-4	II
54	10	44	-	53	10	43	-	1137.0764	67.6	-1	II
57	1	57	-	56	1	56	-	1137.0898	90.0	-1	I
57	1	57	+	56	1	56	+	1137.0898	90.0	0	I
55	11	45	+	54	11	44	+	1137.1623	74.1	-3	II
67	3	65	-	67	1	66	-	1137.1623	74.1	-6	II
55	11	45	-	54	11	44	-	1137.1701	73.8	0	II
56	12	44	+	55	12	43	+	1137.2456	45.5	-1	II
53	8	46	+	52	8	45	+	1137.2456	45.5	-1	II
53	8	46	-	52	8	45	-	1137.2534	46.5	2	II
56	12	44	-	55	12	43	-	1137.2534	46.5	2	II
53	6	48	+	52	6	47	+	1137.2651	95.2	0	I
53	6	48	-	52	6	47	-	1137.2692	95.3	9	I
55	4	52	-	54	4	51	-	1137.3017	46.5	0	II
55	4	52	+	54	4	51	+	1137.3017	46.5	0	II
57	13	45	+	56	13	44	+	1137.3110	83.8	1	II
57	13	45	-	56	13	44	-	1137.3186	84.9	3	II
56	2	54	+	55	2	53	+	1137.3263	92.7	2	I

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
56	2	54	—	55	2	53	—	1137.3263	92.7	7	I
52	5	47	+	51	5	46	+	1137.3555	38.9	4	II
52	5	47	—	51	5	46	—	1137.3570	36.9	5	II
54	4	50	+	53	4	49	+	1137.3719	46.7	-1	II
54	4	50	—	53	4	49	—	1137.3736	46.9	12	II
57	2	56	+	56	2	55	+	1137.3844	91.6	-2	I
57	2	56	—	56	2	55	—	1137.3844	91.6	3	I
53	7	47	+	52	7	46	+	1137.3883	49.2	-1	II
53	7	47	—	52	7	46	—	1137.3948	51.0	6	II
54	9	45	+	53	9	44	+	1137.4392	64.4	0	II
54	9	45	—	53	9	44	—	1137.4482	64.8	3	II
58	0	58	—	57	0	57	—	1137.4704	91.5	0	I
58	0	58	+	57	0	57	+	1137.4704	91.5	0	I
68	2	66	—	68	2	67	—	1137.5064	71.3	3	II
55	10	46	+	54	10	45	+	1137.5066	71.3	-4	II
55	10	46	—	54	10	45	—	1137.5146	71.9	-2	II
56	11	45	+	55	11	44	+	1137.5994	77.5	-3	II
52	7	45	—	51	7	44	—	1137.6219	49.8	-2	II
56	3	53	+	55	3	52	+	1137.6767	43.2	7	II
56	3	53	—	55	3	52	—	1137.6767	43.2	10	II
57	12	46	+	56	12	45	+	1137.6767	43.2	-1	II
55	5	51	+	54	5	50	+	1137.6800	53.6	-4	II
55	5	51	—	54	5	50	—	1137.6800	53.6	-12	II
57	12	46	—	56	12	45	—	1137.6828	52.2	-15	II
57	3	55	—	56	3	54	—	1137.6995	42.1	8	II
57	3	55	+	56	3	54	+	1137.6995	42.1	2	II
58	13	45	+	57	13	44	+	1137.7377	86.9	1	II
58	1	57	+	57	1	56	+	1137.7601	34.4	-1	II
58	1	57	—	57	1	56	—	1137.7601	34.4	5	II
59	14	46	+	58	14	45	+	1137.7793	90.6	5	II
55	9	47	+	54	9	46	+	1137.8432	67.6	-1	II
59	1	59	+	58	1	58	+	1137.8478	92.3	0	I
59	1	59	—	58	1	58	—	1137.8478	92.3	-1	I
55	9	47	—	54	9	46	—	1137.8514	66.7	5	II
52	6	46	+	51	6	45	+	1137.8881	46.5	1	II
52	6	46	—	51	6	45	—	1137.8955	46.8	-1	II
54	8	46	+	53	8	45	+	1137.9432	61.4	-3	II
56	10	46	+	55	10	45	+	1137.9542	49.3	0	II
54	8	46	—	53	8	45	—	1137.9542	49.3	-6	II
56	10	46	—	55	10	45	—	1137.9621	74.6	-2	II
54	5	49	—	53	5	48	—	1138.0225	47.1	-2	II
54	5	49	+	53	5	48	+	1138.0225	47.1	5	II
57	11	47	+	56	11	46	+	1138.0322	47.9	-1	II
55	6	50	+	54	6	49	+	1138.0322	47.9	-3	II
57	11	47	—	56	11	46	—	1138.0405	50.4	5	II
57	4	54	—	56	4	53	—	1138.0405	50.4	5	II
57	4	54	+	56	4	53	+	1138.0405	50.4	1	II
58	2	56	—	57	2	55	—	1138.0700	94.4	10	I
58	2	56	+	57	2	55	+	1138.0700	94.4	2	I
56	4	52	+	55	4	51	+	1138.0868	57.8	-1	II
56	4	52	—	55	4	51	—	1138.0868	57.8	-3	II
58	12	46	+	57	12	45	+	1138.1047	84.1	-1	II
58	12	46	—	57	12	45	—	1138.1126	85.2	1	II
55	8	48	+	54	8	47	+	1138.1217	64.5	0	II
55	8	48	—	54	8	47	—	1138.1297	64.8	6	II
59	2	58	+	58	2	57	+	1138.1325	38.4	-1	II
59	2	58	—	58	2	57	—	1138.1325	38.4	6	II
59	13	47	+	58	13	46	+	1138.1610	88.1	2	II
59	13	47	—	58	13	46	—	1138.1689	89.0	5	II
70	2	68	—	70	2	69	—	1138.1829	98.2	9	II
55	7	49	+	54	7	48	+	1138.2127	60.5	0	II
55	7	49	—	54	7	48	—	1138.2189	61.5	8	II
60	0	60	—	59	0	59	—	1138.2221	93.2	-1	I
60	0	60	+	59	0	59	+	1138.2221	93.2	-1	I
56	9	47	+	55	9	46	+	1138.3518	72.1	1	II
56	9	47	—	55	9	46	—	1138.3614	72.4	3	II
57	10	48	+	56	10	47	+	1138.3820	77.5	-5	II
57	10	48	—	56	10	47	—	1138.3903	77.1	-2	II
58	3	55	+	57	3	54	+	1138.4069	60.6	-1	II
58	3	55	—	57	3	54	—	1138.4069	60.6	4	II
57	5	53	—	56	5	52	—	1138.4105	61.2	-9	II
57	5	53	+	56	5	52	+	1138.4105	61.2	-5	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
59	3	57	—	58	3	56	—	1138.4369	51.2	9	II
59	3	57	+	58	3	56	+	1138.4369	51.2	0	II
58	11	47	+	57	11	46	+	1138.4634	81.8	-4	II
58	11	47	—	57	11	46	—	1138.4716	82.7	0	II
71	3	69	+	71	1	70	+	1138.4773	98.9	2	II
60	1	59	+	59	1	58	+	1138.5018	45.1	-1	II
60	1	59	—	59	1	58	—	1138.5018	45.1	7	II
71	3	69	—	71	1	70	—	1138.5146	99.0	-3	II
59	12	48	+	58	12	47	+	1138.5292	87.0	-2	II
59	12	48	—	58	12	47	—	1138.5373	86.9	2	II
60	13	47	—	59	13	46	—	1138.5890	90.4	6	II
61	1	61	+	60	1	60	+	1138.5933	94.1	0	II
61	1	61	—	60	1	60	—	1138.5933	94.1	-1	II
54	7	47	+	53	7	46	+	1138.5970	57.6	-1	II
54	7	47	—	53	7	46	—	1138.6088	59.3	-4	II
56	5	51	+	55	5	50	+	1138.6773	57.2	5	II
56	5	51	—	55	5	50	—	1138.6773	57.2	2	II
54	6	48	+	53	6	47	+	1138.6846	55.2	2	II
57	9	49	+	56	9	48	+	1138.7200	74.7	2	II
57	9	49	—	56	9	48	—	1138.7285	75.3	8	II
59	4	56	+	58	4	55	+	1138.7663	65.2	-4	II
59	4	56	—	58	4	55	—	1138.7663	65.2	3	II
57	6	52	+	56	6	51	+	1138.7758	67.4	-2	II
66	1	65	+	66	1	66	+	1138.7950	66.6	23	II
58	4	54	—	57	4	53	—	1138.7950	66.6	-2	II
58	4	54	+	57	4	53	+	1138.7950	66.6	-2	II
60	2	58	+	59	2	57	+	1138.8011	56.1	1	II
60	2	58	—	59	2	57	—	1138.8011	56.1	11	II
58	10	48	+	57	10	47	+	1138.8289	98.5	-11	I
58	10	48	—	57	10	47	—	1138.8381	80.8	-3	II
61	2	60	—	60	2	59	—	1138.8678	50.3	6	II
61	2	60	+	60	2	59	+	1138.8680	50.3	-1	II
59	11	49	+	58	11	48	+	1138.8890	84.6	-4	II
59	11	49	—	58	11	48	—	1138.8973	84.8	0	II
56	8	48	+	55	8	47	+	1138.9252	69.5	-3	II
56	8	48	—	55	8	47	—	1138.9374	69.8	-4	II
60	12	48	+	59	12	47	+	1138.9509	89.1	-1	II
62	0	62	—	61	0	61	—	1138.9613	94.6	0	I
62	0	62	+	61	0	61	+	1138.9613	94.6	-1	I
57	8	50	+	56	8	49	+	1138.9740	72.7	0	II
57	8	50	—	56	8	49	—	1138.9815	73.2	4	II
61	13	49	+	60	13	48	+	1138.9978	91.4	3	II
57	7	51	+	56	7	50	+	1139.0070	68.3	-1	II
57	7	51	—	56	7	50	—	1139.0129	70.7	12	II
59	5	55	—	58	5	54	—	1139.1270	50.0	-3	II
59	5	55	+	58	5	54	+	1139.1270	50.0	-3	II
61	3	59	—	60	3	58	—	1139.1620	60.9	12	II
61	3	59	+	60	3	58	+	1139.1620	60.9	1	II
62	1	61	—	61	1	60	—	1139.2310	55.6	9	II
62	1	61	+	61	1	60	+	1139.2310	55.6	0	II
59	10	50	+	58	10	49	+	1139.2445	82.7	-7	II
59	10	50	—	58	10	49	—	1139.2532	83.3	-4	II
58	9	49	+	57	9	48	+	1139.2638	77.7	0	II
58	9	49	—	57	9	48	—	1139.2741	78.7	3	II
60	11	49	+	59	11	48	+	1139.3154	86.5	-4	II
63	1	63	—	62	1	62	—	1139.3262	50.6	0	II
63	1	63	+	62	1	62	+	1139.3262	50.6	1	II
60	11	49	—	59	11	48	—	1139.3262	50.6	24	II
58	5	53	+	57	5	52	+	1139.3300	68.2	19	II
61	12	50	+	60	12	49	+	1139.3687	90.4	-2	II
61	12	50	—	60	12	49	—	1139.3770	90.1	3	II
62	13	49	+	61	13	48	+	1139.4111	92.7	3	II
56	6	50	+	55	6	49	+	1139.4154	65.2	2	II
56	6	50	—	55	6	49	—	1139.4199	61.7	4	II
61	4	58	+	60	4	57	+	1139.4802	72.3	-2	II
60	4	56	—	59	4	55	—	1139.4951	74.1	2	II
60	4	56	+	59	4	55	+	1139.4952	74.1	-1	II
59	6	54	+	58	6	53	+	1139.4975	57.3	-4	II
62	2	60	+	61	2	59	+	1139.5198	65.8	1	II
68	1	67	—	68	1	68	—	1139.5314	98.8	0	II
56	7	49	+	55	7	48	+	1139.5360	66.6	0	II
56	7	49	—	55	7	48	—	1139.5469	67.3	-1	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
63	2	62	—	62	2	61	—	1139.5908	59.0	10	II
63	2	62	+	62	2	61	+	1139.5908	59.0	-1	II
64	0	64	—	63	0	63	—	1139.6879	58.5	0	II
64	0	64	+	63	0	63	+	1139.6879	58.5	-1	II
60	10	50	+	59	10	49	+	1139.6962	85.3	-9	II
60	10	50	—	59	10	49	—	1139.7053	85.2	-5	II
61	11	51	+	60	11	50	+	1139.7333	88.6	-5	II
61	11	51	—	60	11	50	—	1139.7420	88.5	1	II
59	7	53	+	58	7	52	+	1139.7719	76.5	1	II
62	12	50	+	61	12	49	+	1139.7840	91.4	-2	II
62	12	50	—	61	12	49	—	1139.7925	91.1	5	II
59	8	52	+	58	8	51	+	1139.8000	78.7	1	II
63	13	51	+	62	13	50	+	1139.8209	93.3	3	II
61	5	57	—	60	5	56	—	1139.8297	74.3	0	II
61	5	57	+	60	5	56	+	1139.8297	74.3	-4	II
62	3	59	—	61	3	58	—	1139.8326	62.8	5	II
62	3	59	+	61	3	58	+	1139.8326	62.8	-7	II
63	3	61	+	62	3	60	+	1139.8744	70.0	1	II
58	8	50	+	57	8	49	+	1139.9065	76.1	-4	II
58	8	50	—	57	8	49	—	1139.9194	76.2	-6	II
64	1	63	—	63	1	62	—	1139.9479	65.9	15	II
64	1	63	+	63	1	62	+	1139.9479	65.9	3	II
60	5	55	—	59	5	54	—	1139.9795	76.6	4	II
60	5	55	+	59	5	54	+	1139.9795	76.6	3	II
65	1	65	+	64	1	64	+	1140.0464	63.2	0	II
65	1	65	—	64	1	64	—	1140.0464	63.2	0	II
58	6	52	+	57	6	51	+	1140.0875	73.5	2	II
61	10	52	+	60	10	51	+	1140.0936	86.1	-10	II
61	10	52	—	60	10	51	—	1140.1025	87.4	-3	II
61	10	52	—	60	10	51	—	1140.1025	87.4	-3	II
62	11	51	+	61	11	50	+	1140.1556	90.3	-6	II
62	11	51	—	61	11	50	—	1140.1644	90.5	1	II
70	1	69	+	70	1	70	+	1140.1786	83.6	1	II
60	9	51	+	59	9	50	+	1140.1786	83.6	1	II
63	4	60	—	62	4	59	—	1140.1816	78.7	12	II
63	4	60	+	62	4	59	+	1140.1816	78.7	-2	II
62	4	58	—	61	4	57	—	1140.1853	79.8	4	II
62	4	58	+	61	4	57	+	1140.1853	79.8	-3	II
63	12	52	+	62	12	51	+	1140.1951	92.2	-2	II
64	2	62	+	63	2	61	+	1140.2261	72.8	1	II
65	2	64	—	64	2	63	—	1140.3011	69.7	12	II
65	2	64	+	64	2	63	+	1140.3011	69.7	-1	II
66	0	66	+	65	0	65	+	1140.4018	67.7	-3	II
66	0	66	—	65	0	65	—	1140.4018	67.7	1	II
58	7	51	+	57	7	50	+	1140.4146	74.2	1	II
58	7	51	—	57	7	50	—	1140.4243	74.8	-1	II
61	7	55	+	60	7	54	+	1140.5081	82.5	1	II
63	5	59	—	62	5	58	—	1140.5196	83.8	6	II
63	5	59	+	62	5	58	+	1140.5196	83.8	-3	II
64	3	61	—	63	3	60	—	1140.5282	81.6	16	II
64	3	61	+	63	3	60	+	1140.5282	81.6	0	II
63	11	53	+	62	11	52	+	1140.5654	83.8	0	II
65	3	63	—	64	3	62	—	1140.5742	71.9	16	II
65	3	63	+	64	3	62	+	1140.5742	71.9	-1	II
61	8	54	+	60	8	53	+	1140.5978	84.5	2	II
64	12	52	+	63	12	51	+	1140.6050	80.3	5	II
66	1	65	+	65	1	64	+	1140.6514	71.2	-1	II
60	6	54	+	59	6	53	+	1140.7137	78.1	0	II
60	6	54	—	59	6	53	—	1140.7162	79.3	11	II
67	1	67	+	66	1	66	+	1140.7539	71.9	0	II
65	10	56	—	65	8	57	—	1140.7539	71.9	-8	II
67	1	67	—	66	1	66	—	1140.7539	71.9	0	II
72	1	71	+	72	1	72	+	1140.8510	99.1	1	II
64	4	60	+	63	4	59	+	1140.8654	85.9	0	II
65	4	62	+	64	4	61	+	1140.8706	83.9	-2	II
60	8	52	+	59	8	51	+	1140.8743	81.0	-4	II
60	8	52	—	59	8	51	—	1140.8879	76.8	-4	II
66	2	64	+	65	2	63	+	1140.9197	79.6	1	II
63	10	54	—	62	10	53	—	1140.9373	91.0	-4	II
64	11	53	+	63	11	52	+	1140.9845	92.3	-8	II
64	11	53	—	63	11	52	—	1140.9937	92.9	1	II
67	2	66	+	66	2	65	+	1140.9986	76.6	0	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
67	2	66	—	66	2	65	—	1140.9986	76.6	14	II
65	12	54	+	64	12	53	+	1141.0083	94.1	-4	II
68	0	68	+	67	0	67	+	1141.1029	75.7	-1	II
68	0	68	—	67	0	67	—	1141.1029	75.7	1	II
65	5	61	+	64	5	60	+	1141.1969	88.4	-1	II
66	3	63	+	65	3	62	+	1141.2107	87.0	0	II
63	7	57	+	62	7	56	+	1141.2175	86.7	2	II
60	7	53	+	59	7	52	+	1141.2261	80.5	2	II
60	7	53	—	59	7	52	—	1141.2345	80.9	2	II
67	3	65	+	66	3	64	+	1141.2617	83.1	2	II
64	5	59	+	63	5	58	+	1141.2768	88.1	3	II
68	1	67	—	67	1	66	—	1141.3426	79.8	16	II
68	1	67	+	67	1	66	+	1141.3426	79.8	0	II
65	11	55	+	64	11	54	+	1141.3833	93.9	-7	II
65	11	55	+	64	11	54	+	1141.3833	93.9	-7	II
65	11	55	—	64	11	54	—	1141.3926	94.1	5	II
64	10	54	+	63	10	53	+	1141.4113	88.5	-17	II
64	10	54	—	63	10	53	—	1141.4213	88.7	-13	II
69	1	69	+	68	1	68	+	1141.4488	79.2	0	II
69	1	69	—	68	1	68	—	1141.4488	79.2	1	II
74	1	73	+	74	1	74	+	1141.5095	99.3	4	II
66	4	62	+	65	4	61	+	1141.5342	89.4	1	II
67	4	64	+	66	4	63	+	1141.5471	88.5	0	II
68	2	66	+	67	2	65	+	1141.5999	86.6	-5	II
69	2	68	—	68	2	67	—	1141.6835	82.3	17	II
69	2	68	+	68	2	67	+	1141.6835	82.3	1	II
65	10	56	—	64	10	55	—	1141.7562	93.3	-5	II
70	0	70	+	69	0	69	+	1141.7914	81.4	-1	II
70	0	70	—	69	0	69	—	1141.7914	81.4	2	II
62	8	54	+	61	8	53	+	1141.8117	84.1	0	II
62	8	54	—	61	8	53	—	1141.8243	86.6	-7	II
67	5	63	+	66	5	62	+	1141.8614	91.1	-1	II
68	3	65	+	67	3	64	+	1141.8811	90.1	4	II
66	5	61	+	65	5	60	+	1141.9191	90.9	6	II
69	3	67	+	68	3	66	+	1141.9363	87.0	3	II
62	7	55	+	61	7	54	+	1141.9678	85.8	5	II
62	7	55	—	61	7	54	—	1141.9748	86.4	9	II
70	1	69	+	69	1	68	+	1142.0212	84.7	3	II
70	1	69	—	69	1	68	—	1142.0212	84.7	20	II
71	1	71	+	70	1	70	+	1142.1308	84.8	0	II
71	1	71	—	70	1	70	—	1142.1308	84.8	1	II
76	1	75	+	76	1	76	+	1142.1516	99.2	-12	II
70	2	68	+	69	2	67	+	1142.2688	89.1	2	II
71	2	70	+	70	2	69	+	1142.3555	87.2	2	II
72	0	72	—	71	0	71	—	1142.4670	80.3	2	II
72	0	72	+	71	0	71	+	1142.4670	80.3	-1	II
69	5	65	+	68	5	64	+	1142.5136	94.0	1	II
71	3	69	+	70	3	68	+	1142.5973	90.5	-5	II
72	1	71	+	71	1	70	+	1142.6866	89.1	2	II
73	1	73	—	72	1	72	—	1142.7999	88.7	0	II
73	1	73	+	72	1	72	+	1142.7999	88.7	0	II
72	2	70	—	71	2	69	—	1142.9200	99.0	-11	II
72	2	70	+	71	2	69	+	1142.9244	92.4	5	II
74	0	74	—	73	0	73	—	1143.1298	88.1	3	II
74	0	74	+	73	0	73	+	1143.1298	88.1	0	II
74	1	73	+	73	1	72	+	1143.3394	90.0	5	II
74	1	73	—	73	1	72	—	1143.3394	90.0	22	II
75	1	75	+	74	1	74	+	1143.4563	91.6	1	II
75	1	75	—	74	1	74	—	1143.4563	91.6	0	II
68	7	61	+	68	7	62	+	1143.4815	95.6	6	II
76	0	76	—	75	0	75	—	1143.7797	92.0	3	II
76	0	76	+	75	0	75	+	1143.7797	92.0	2	II
76	1	75	+	75	1	74	+	1143.9753	97.2	-30	II
76	1	75	+	75	1	74	+	1143.9795	94.5	12	II
77	1	77	+	76	1	76	+	1144.0995	93.9	1	II
77	1	77	—	76	1	76	—	1144.0995	93.9	-3	II
78	0	78	+	77	0	77	+	1144.4163	95.5	-1	II
78	0	78	—	77	0	77	—	1144.4163	95.5	-1	II
79	1	79	+	78	1	78	+	1144.7300	96.1	3	II
79	1	79	—	78	1	78	—	1144.7300	96.1	-4	II
80	0	80	—	79	0	79	—	1145.0404	95.5	-2	II
80	0	80	+	79	0	79	+	1145.0404	95.5	2	II

N'	K'_a	K'_c	$J'^a)$	N''	K''_a	K''_c	$J''^b)$	ν , exp. ^{c)}	Transm. ^{d)}	δ_ν ^{e)}	Spectrum ^{f)}
		1				2		3	4	5	6
81	1	81	+	80	1	80	+	1145.3471	96.0	2	II
61	10	52	+	61	8	53	+	1145.3474	96.0	-5	II
81	1	81	-	80	1	80	-	1145.3474	96.0	-6	II
61	10	52	+	61	8	53	+	1145.3474	96.0	-5	II
83	1	83	+	82	1	82	+	1145.9505	97.9	-4	II
84	0	84	-	83	0	83	-	1146.2512	98.8	11	II
59	10	50	+	59	8	51	+	1147.3291	99.1	1	II
34	3	31	-	34	1	34	-	1153.8219	99.4	2	II
64	7	57	+	64	7	58	+	1154.1434	99.4	-1	II
61	11	51	+	61	9	52	+	1154.8096	99.0	0	II
61	11	51	-	61	9	52	-	1154.8149	98.9	-3	II
66	7	59	+	66	7	60	+	1155.9620	98.8	-5	II
31	3	29	-	30	1	30	-	1156.1616	99.3	2	II
64	6	58	+	64	6	59	+	1156.5042	99.1	3	II
70	5	65	+	69	5	64	+	1163.2763	99.4	1	II
66	7	59	-	65	5	60	-	1164.7559	98.4	-2	II
63	13	51	-	63	11	52	-	1167.2411	99.2	0	II
58	8	50	-	57	6	51	-	1167.5384	99.3	-11	II
61	13	49	-	61	11	50	-	1167.9242	99.2	-7	II
60	8	52	+	59	6	53	+	1168.7758	99.4	1	II
54	6	48	-	53	4	49	-	1171.1332	98.8	4	II
63	14	50	+	63	12	51	+	1172.9989	99.4	1	II
63	14	50	-	63	12	51	-	1173.0336	99.4	6	II
61	14	48	+	61	12	49	+	1173.5893	99.4	-4	II
60	7	53	-	59	5	54	-	1173.8367	99.7	-1	II
60	9	51	+	59	7	52	+	1173.9664	99.5	1	II
59	14	46	+	59	12	47	+	1174.1448	99.1	1	II
58	9	49	-	57	7	50	-	1174.5857	98.9	6	II
56	6	50	+	55	4	51	+	1174.8802	99.4	-4	II
56	9	47	-	55	7	48	-	1175.2881	99.5	8	II
46	3	43	-	45	1	44	-	1175.8841	99.6	0	II
49	5	45	-	48	3	46	-	1176.9260	99.3	-5	II
62	7	55	+	61	5	56	+	1177.5004	99.3	7	II
62	7	55	-	61	5	56	-	1177.6161	99.4	-5	II
58	6	52	+	57	4	53	+	1178.7395	99.4	1	II
59	15	45	+	59	13	46	+	1179.5642	99.5	-1	II
53	9	45	-	52	7	46	-	1179.9358	99.4	-3	II
55	9	47	+	54	7	48	+	1180.7608	98.9	-7	II
55	9	47	-	54	7	48	-	1180.7937	99.4	0	II
49	15	35	+	49	13	36	+	1181.6760	99.7	0	II
59	8	52	+	58	6	53	+	1181.7667	99.4	4	II
64	10	54	-	63	8	55	-	1182.6619	99.3	-5	II
64	10	54	+	63	8	55	+	1182.6849	99.1	-1	II
64	7	57	+	63	7	56	+	1183.0082	99.4	2	II
61	8	54	+	60	6	55	+	1183.9366	99.1	-1	II
61	8	54	-	60	6	55	-	1184.0074	99.5	-3	II
60	10	50	-	59	8	51	-	1184.1693	99.3	5	II
58	10	48	-	57	8	49	-	1184.6162	99.3	-6	II
58	10	48	+	57	8	49	+	1184.6182	99.3	-5	II
61	7	55	-	60	5	56	-	1186.8816	99.1	0	II
59	10	50	+	58	8	51	+	1187.1566	99.2	-4	II
59	10	50	-	58	8	51	-	1187.1841	99.4	6	II
61	10	52	+	60	8	53	+	1187.8084	99.5	-11	II
59	6	54	+	58	4	55	+	1187.8933	99.4	2	II
57	5	53	-	56	3	54	-	1188.9943	99.4	12	II
65	10	56	-	64	8	57	-	1189.4260	99.3	-1	II
65	7	59	+	64	5	60	+	1192.5357	99.5	1	II
60	11	49	+	59	9	50	+	1192.6393	99.1	2	II