

High resolution spectroscopy and first global analysis of the Tetradecad region of  
methane  $^{12}\text{CH}_4$   
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The supplementary tables contain the effective Hamiltonian parameters and the complete lists of observed transitions, with positions and intensities compared to calculation.

**TABLE A I:** Effective Hamiltonian parameters up to the Tetradecad. Standard deviation is indicated in parentheses in the unit of the last two digits; no standard deviation indicates that the parameter is fixed.

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**TABLE A II:** Experimental (*e*) and calculated (*c*) line positions for the Tetradecad–GS transitions, with assignments. The first column gives the experimental wavenumber  $\tilde{\nu}_e$ , the second the calculated wavenumber  $\tilde{\nu}_c$ , the third the experimental minus calculated wavenumber difference  $\tilde{\nu}_e - \tilde{\nu}_c$  and the last columns give the assignments in terms of rotational quantum numbers *J*, *T<sub>d</sub>* symmetries *C* and multiplicity indexes  $\alpha$ . Primes (') stand for upper state levels and double primes (") for lower state levels (see text for detailed notations).

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Table I.

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1	GS	0	2(0, 0A <sub>1</sub> )	0000A <sub>1</sub>	0000A <sub>1</sub>	5.2410445(13)
2	GS	2	4(0, 0A <sub>1</sub> )	0000A <sub>1</sub>	0000A <sub>1</sub>	-1.11018(11) × 10 <sup>-4</sup>
3	GS	2	4(4, 0A <sub>1</sub> )	0000A <sub>1</sub>	0000A <sub>1</sub>	-3.036065(35) × 10 <sup>-6</sup>
4	GS	4	6(0, 0A <sub>1</sub> )	0000A <sub>1</sub>	0000A <sub>1</sub>	6.369(35) × 10 <sup>-9</sup>
5	GS	4	6(4, 0A <sub>1</sub> )	0000A <sub>1</sub>	0000A <sub>1</sub>	-1.6778(14) × 10 <sup>-10</sup>
6	GS	4	6(6, 0A <sub>1</sub> )	0000A <sub>1</sub>	0000A <sub>1</sub>	-6.1643(27) × 10 <sup>-11</sup>
7	GS	6	8(0, 0A <sub>1</sub> )	0000A <sub>1</sub>	0000A <sub>1</sub>	-5.22(39) × 10 <sup>-13</sup>
8	GS	6	8(4, 0A <sub>1</sub> )	0000A <sub>1</sub>	0000A <sub>1</sub>	-8.51(14) × 10 <sup>-15</sup>
9	GS	6	8(6, 0A <sub>1</sub> )	0000A <sub>1</sub>	0000A <sub>1</sub>	-6.204(43) × 10 <sup>-15</sup>
10	GS	6	8(8, 0A <sub>1</sub> )	0000A <sub>1</sub>	0000A <sub>1</sub>	-5.06(14) × 10 <sup>-16</sup>
11	Dyad	0	0(0, 0A <sub>1</sub> )	0100E	0100E	1533.332557(30)
12	Dyad	2	2(0, 0A <sub>1</sub> )	0100E	0100E	-1.303(22) × 10 <sup>-2</sup>
13	Dyad	2	2(2, 0E)	0100E	0100E	-3.642(19) × 10 <sup>-2</sup>
14	Dyad	3	3(3, 0A <sub>2</sub> )	0100E	0100E	-5.463(30) × 10 <sup>-4</sup>
15	Dyad	4	4(0, 0A <sub>1</sub> )	0100E	0100E	-8.61(25) × 10 <sup>-6</sup>
16	Dyad	4	4(2, 0E)	0100E	0100E	-4.2(1.2) × 10 <sup>-7</sup>
17	Dyad	4	4(4, 0A <sub>1</sub> )	0100E	0100E	2.850(56) × 10 <sup>-6</sup>
18	Dyad	4	4(4, 0E)	0100E	0100E	-4.674(96) × 10 <sup>-6</sup>
19	Dyad	5	5(3, 0A <sub>2</sub> )	0100E	0100E	7.81(74) × 10 <sup>-9</sup>
20	Dyad	6	6(0, 0A <sub>1</sub> )	0100E	0100E	-2.37(10) × 10 <sup>-9</sup>
21	Dyad	6	6(2, 0E)	0100E	0100E	0.0
22	Dyad	6	6(4, 0A <sub>1</sub> )	0100E	0100E	-3.00(12) × 10 <sup>-10</sup>
23	Dyad	6	6(4, 0E)	0100E	0100E	-5.76(21) × 10 <sup>-10</sup>
24	Dyad	6	6(6, 0A <sub>1</sub> )	0100E	0100E	-1.676(84) × 10 <sup>-10</sup>
25	Dyad	6	6(6, 0E)	0100E	0100E	4.301(95) × 10 <sup>-10</sup>
26	Dyad	1	1(1, 0F <sub>1</sub> )	0100E	0001F <sub>2</sub>	-9.980(11)
27	Dyad	2	2(2, 0F <sub>2</sub> )	0100E	0001F <sub>2</sub>	-2.25(30) × 10 <sup>-3</sup>
28	Dyad	3	3(1, 0F <sub>1</sub> )	0100E	0001F <sub>2</sub>	3.353(63) × 10 <sup>-4</sup>
29	Dyad	3	3(3, 0F <sub>1</sub> )	0100E	0001F <sub>2</sub>	7.958(51) × 10 <sup>-4</sup>
30	Dyad	3	3(3, 0F <sub>2</sub> )	0100E	0001F <sub>2</sub>	5.778(58) × 10 <sup>-4</sup>
31	Dyad	4	4(2, 0F <sub>2</sub> )	0100E	0001F <sub>2</sub>	-6.086(95) × 10 <sup>-6</sup>
32	Dyad	4	4(4, 0F <sub>1</sub> )	0100E	0001F <sub>2</sub>	1.678(84) × 10 <sup>-6</sup>
33	Dyad	4	4(4, 0F <sub>2</sub> )	0100E	0001F <sub>2</sub>	1.149(70) × 10 <sup>-6</sup>
34	Dyad	5	5(1, 0F <sub>1</sub> )	0100E	0001F <sub>2</sub>	3.209(99) × 10 <sup>-8</sup>
35	Dyad	5	5(3, 0F <sub>1</sub> )	0100E	0001F <sub>2</sub>	6.399(86) × 10 <sup>-8</sup>
36	Dyad	5	5(3, 0F <sub>2</sub> )	0100E	0001F <sub>2</sub>	8.33(18) × 10 <sup>-8</sup>
37	Dyad	5	5(5, 0F <sub>1</sub> )	0100E	0001F <sub>2</sub>	0.0
38	Dyad	5	5(5, 1F <sub>1</sub> )	0100E	0001F <sub>2</sub>	-3.081(83) × 10 <sup>-8</sup>
39	Dyad	5	5(5, 0F <sub>2</sub> )	0100E	0001F <sub>2</sub>	-3.280(99) × 10 <sup>-8</sup>
40	Dyad	6	6(2, 0F <sub>2</sub> )	0100E	0001F <sub>2</sub>	-1.210(30) × 10 <sup>-9</sup>
41	Dyad	6	6(4, 0F <sub>1</sub> )	0100E	0001F <sub>2</sub>	6.90(23) × 10 <sup>-10</sup>
42	Dyad	6	6(4, 0F <sub>2</sub> )	0100E	0001F <sub>2</sub>	3.09(20) × 10 <sup>-10</sup>
43	Dyad	6	6(6, 0F <sub>1</sub> )	0100E	0001F <sub>2</sub>	-2.59(22) × 10 <sup>-10</sup>
44	Dyad	6	6(6, 0F <sub>2</sub> )	0100E	0001F <sub>2</sub>	0.0
45	Dyad	6	6(6, 1F <sub>2</sub> )	0100E	0001F <sub>2</sub>	2.50(12) × 10 <sup>-10</sup>
46	Dyad	0	0(0, 0A <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	1310.761373(25)
47	Dyad	1	1(1, 0F <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	10.36191(24)
48	Dyad	2	2(0, 0A <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	3.08(15) × 10 <sup>-3</sup>
49	Dyad	2	2(2, 0E)	0001F <sub>2</sub>	0001F <sub>2</sub>	-1.599(22) × 10 <sup>-2</sup>
50	Dyad	2	2(2, 0F <sub>2</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	-2.394(17) × 10 <sup>-2</sup>
51	Dyad	3	3(1, 0F <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	1.0502(44) × 10 <sup>-3</sup>
52	Dyad	3	3(3, 0F <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	7.014(42) × 10 <sup>-4</sup>
53	Dyad	4	4(0, 0A <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	3.00(17) × 10 <sup>-6</sup>
54	Dyad	4	4(2, 0E)	0001F <sub>2</sub>	0001F <sub>2</sub>	9.8(1.3) × 10 <sup>-7</sup>
55	Dyad	4	4(2, 0F <sub>2</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	-8.70(12) × 10 <sup>-6</sup>
56	Dyad	4	4(4, 0A <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	-2.446(47) × 10 <sup>-6</sup>
57	Dyad	4	4(4, 0E)	0001F <sub>2</sub>	0001F <sub>2</sub>	-5.08(13) × 10 <sup>-6</sup>
58	Dyad	4	4(4, 0F <sub>2</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	-2.88(10) × 10 <sup>-6</sup>
59	Dyad	5	5(1, 0F <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	1.5(1.1) × 10 <sup>-9</sup>
60	Dyad	5	5(3, 0F <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	4.6(1.2) × 10 <sup>-9</sup>
61	Dyad	5	5(5, 0F <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	1.80(11) × 10 <sup>-8</sup>
62	Dyad	5	5(5, 1F <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	0.0
63	Dyad	6	6(0, 0A <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	1.974(70) × 10 <sup>-9</sup>
64	Dyad	6	6(2, 0E)	0001F <sub>2</sub>	0001F <sub>2</sub>	1.12(28) × 10 <sup>-10</sup>
65	Dyad	6	6(2, 0F <sub>2</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	-7.32(27) × 10 <sup>-10</sup>
66	Dyad	6	6(4, 0A <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	1.61(10) × 10 <sup>-10</sup>
67	Dyad	6	6(4, 0E)	0001F <sub>2</sub>	0001F <sub>2</sub>	-2.03(38) × 10 <sup>-10</sup>
68	Dyad	6	6(4, 0F <sub>2</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	-6.12(45) × 10 <sup>-10</sup>
69	Dyad	6	6(6, 0A <sub>1</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	1.641(76) × 10 <sup>-10</sup>
70	Dyad	6	6(6, 0E)	0001F <sub>2</sub>	0001F <sub>2</sub>	1.73(17) × 10 <sup>-10</sup>
71	Dyad	6	6(6, 0F <sub>2</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	8.64(34) × 10 <sup>-10</sup>
72	Dyad	6	6(6, 1F <sub>2</sub> )	0001F <sub>2</sub>	0001F <sub>2</sub>	-3.2(1.9) × 10 <sup>-11</sup>
73	Pentad	0	0(0, 0A <sub>1</sub> )	1000A <sub>1</sub>	1000A <sub>1</sub>	2932.12(11)
74	Pentad	2	2(0, 0A <sub>1</sub> )	1000A <sub>1</sub>	1000A <sub>1</sub>	-3.521(22) × 10 <sup>-2</sup>
75	Pentad	4	4(0, 0A <sub>1</sub> )	1000A <sub>1</sub>	1000A <sub>1</sub>	5.65(15) × 10 <sup>-6</sup>
76	Pentad	4	4(4, 0A <sub>1</sub> )	1000A <sub>1</sub>	1000A <sub>1</sub>	-9.86(30) × 10 <sup>-7</sup>
77	Pentad	2	2(2, 0F <sub>2</sub> )	1000A <sub>1</sub>	0010F <sub>2</sub>	3.456(29) × 10 <sup>-2</sup>
78	Pentad	3	3(3, 0F <sub>2</sub> )	1000A <sub>1</sub>	0010F <sub>2</sub>	5.900(52) × 10 <sup>-4</sup>
79	Pentad	4	4(2, 0F <sub>2</sub> )	1000A <sub>1</sub>	0010F <sub>2</sub>	3.146(85) × 10 <sup>-6</sup>
80	Pentad	4	4(4, 0F <sub>2</sub> )	1000A <sub>1</sub>	0010F <sub>2</sub>	2.131(83) × 10 <sup>-6</sup>

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\}$ $C_1$	$\{s'\}$ $C_2$	Value / $\text{cm}^{-1}$
81	Pentad	5	5(3, 0F <sub>2</sub> )	1000A <sub>1</sub>	0010F <sub>2</sub>	3.16(33) × 10 <sup>-8</sup>
82	Pentad	5	5(5, 0F <sub>2</sub> )	1000A <sub>1</sub>	0010F <sub>2</sub>	-1.29(22) × 10 <sup>-8</sup>
83	Pentad	1	0(0, 0A <sub>1</sub> )	1000A <sub>1</sub>	0200A <sub>1</sub>	-49.133(92)
84	Pentad	3	2(0, 0A <sub>1</sub> )	1000A <sub>1</sub>	0200A <sub>1</sub>	3.88(32) × 10 <sup>-3</sup>
85	Pentad	5	4(0, 0A <sub>1</sub> )	1000A <sub>1</sub>	0200A <sub>1</sub>	-4.80(28) × 10 <sup>-6</sup>
86	Pentad	5	4(4, 0A <sub>1</sub> )	1000A <sub>1</sub>	0200A <sub>1</sub>	-6.47(36) × 10 <sup>-7</sup>
87	Pentad	3	2(2, 0E)	1000A <sub>1</sub>	0200E	1.163(24) × 10 <sup>-2</sup>
88	Pentad	5	4(2, 0E)	1000A <sub>1</sub>	0200E	2.529(72) × 10 <sup>-6</sup>
89	Pentad	5	4(4, 0E)	1000A <sub>1</sub>	0200E	0.0
90	Pentad	2	1(1, 0F <sub>1</sub> )	1000A <sub>1</sub>	0101F <sub>1</sub>	1.920(13)
91	Pentad	4	3(1, 0F <sub>1</sub> )	1000A <sub>1</sub>	0101F <sub>1</sub>	-4.666(93) × 10 <sup>-4</sup>
92	Pentad	4	3(3, 0F <sub>1</sub> )	1000A <sub>1</sub>	0101F <sub>1</sub>	-2.568(73) × 10 <sup>-4</sup>
93	Pentad	5	4(4, 0F <sub>1</sub> )	1000A <sub>1</sub>	0101F <sub>1</sub>	-4.643(87) × 10 <sup>-6</sup>
94	Pentad	3	2(2, 0F <sub>2</sub> )	1000A <sub>1</sub>	0101F <sub>2</sub>	1.253(28) × 10 <sup>-2</sup>
95	Pentad	4	3(3, 0F <sub>2</sub> )	1000A <sub>1</sub>	0101F <sub>2</sub>	4.370(71) × 10 <sup>-4</sup>
96	Pentad	5	4(2, 0F <sub>2</sub> )	1000A <sub>1</sub>	0101F <sub>2</sub>	1.035(17) × 10 <sup>-5</sup>
97	Pentad	5	4(4, 0F <sub>2</sub> )	1000A <sub>1</sub>	0101F <sub>2</sub>	1.484(97) × 10 <sup>-6</sup>
98	Pentad	1	0(0, 0A <sub>1</sub> )	1000A <sub>1</sub>	0002A <sub>1</sub>	-30.68(37)
99	Pentad	3	2(0, 0A <sub>1</sub> )	1000A <sub>1</sub>	0002A <sub>1</sub>	-1.818(48) × 10 <sup>-2</sup>
100	Pentad	5	4(0, 0A <sub>1</sub> )	1000A <sub>1</sub>	0002A <sub>1</sub>	1.188(29) × 10 <sup>-5</sup>
101	Pentad	5	4(4, 0A <sub>1</sub> )	1000A <sub>1</sub>	0002A <sub>1</sub>	1.48(40) × 10 <sup>-7</sup>
102	Pentad	3	2(2, 0E)	1000A <sub>1</sub>	0002E	-4.94(32) × 10 <sup>-3</sup>
103	Pentad	5	4(2, 0E)	1000A <sub>1</sub>	0002E	9.0(1.0) × 10 <sup>-7</sup>
104	Pentad	5	4(4, 0E)	1000A <sub>1</sub>	0002E	-1.91(11) × 10 <sup>-6</sup>
105	Pentad	3	2(2, 0F <sub>2</sub> )	1000A <sub>1</sub>	0002F <sub>2</sub>	-3.803(35) × 10 <sup>-2</sup>
106	Pentad	4	3(3, 0F <sub>2</sub> )	1000A <sub>1</sub>	0002F <sub>2</sub>	8.81(87) × 10 <sup>-5</sup>
107	Pentad	5	4(2, 0F <sub>2</sub> )	1000A <sub>1</sub>	0002F <sub>2</sub>	0.0
108	Pentad	5	4(4, 0F <sub>2</sub> )	1000A <sub>1</sub>	0002F <sub>2</sub>	-1.92(11) × 10 <sup>-6</sup>
109	Pentad	0	0(0, 0A <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	3018.505(12)
110	Pentad	1	1(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	1.24643(77)
111	Pentad	2	2(0, 0A <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	-3.7665(34) × 10 <sup>-2</sup>
112	Pentad	2	2(2, 0E)	0010F <sub>2</sub>	0010F <sub>2</sub>	1.3246(45) × 10 <sup>-2</sup>
113	Pentad	2	2(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	-6.620(40) × 10 <sup>-3</sup>
114	Pentad	3	3(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	1.866(20) × 10 <sup>-4</sup>
115	Pentad	3	3(3, 0F <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	3.69(14) × 10 <sup>-5</sup>
116	Pentad	4	4(0, 0A <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	-1.351(50) × 10 <sup>-6</sup>
117	Pentad	4	4(2, 0E)	0010F <sub>2</sub>	0010F <sub>2</sub>	-2.135(41) × 10 <sup>-6</sup>
118	Pentad	4	4(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	2.627(48) × 10 <sup>-6</sup>
119	Pentad	4	4(4, 0A <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	6.69(14) × 10 <sup>-7</sup>
120	Pentad	4	4(4, 0E)	0010F <sub>2</sub>	0010F <sub>2</sub>	4.431(62) × 10 <sup>-6</sup>
121	Pentad	4	4(4, 0F <sub>2</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	5.214(77) × 10 <sup>-6</sup>
122	Pentad	5	5(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	-3.33(13) × 10 <sup>-8</sup>
123	Pentad	5	5(3, 0F <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	1.397(85) × 10 <sup>-8</sup>
124	Pentad	5	5(5, 0F <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	2.110(76) × 10 <sup>-8</sup>
125	Pentad	5	5(5, 1F <sub>1</sub> )	0010F <sub>2</sub>	0010F <sub>2</sub>	-5.05(16) × 10 <sup>-8</sup>
126	Pentad	3	2(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0200A <sub>1</sub>	-1.472(19) × 10 <sup>-2</sup>
127	Pentad	4	3(3, 0F <sub>2</sub> )	0010F <sub>2</sub>	0200A <sub>1</sub>	1.163(36) × 10 <sup>-4</sup>
128	Pentad	5	4(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0200A <sub>1</sub>	0.0
129	Pentad	5	4(4, 0F <sub>2</sub> )	0010F <sub>2</sub>	0200A <sub>1</sub>	7.37(12) × 10 <sup>-6</sup>
130	Pentad	2	1(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0200E	1.5014(39)
131	Pentad	3	2(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0200E	-2.299(16) × 10 <sup>-2</sup>
132	Pentad	4	3(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0200E	1.0825(51) × 10 <sup>-3</sup>
133	Pentad	4	3(3, 0F <sub>1</sub> )	0010F <sub>2</sub>	0200E	1.144(31) × 10 <sup>-4</sup>
134	Pentad	4	3(3, 0F <sub>2</sub> )	0010F <sub>2</sub>	0200E	-9.90(29) × 10 <sup>-5</sup>
135	Pentad	5	4(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0200E	-5.25(13) × 10 <sup>-6</sup>
136	Pentad	5	4(4, 0F <sub>1</sub> )	0010F <sub>2</sub>	0200E	4.35(10) × 10 <sup>-6</sup>
137	Pentad	5	4(4, 0F <sub>2</sub> )	0010F <sub>2</sub>	0200E	0.0
138	Pentad	2	1(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>1</sub>	4.382(71) × 10 <sup>-1</sup>
139	Pentad	3	2(2, 0E)	0010F <sub>2</sub>	0101F <sub>1</sub>	-3.80(14) × 10 <sup>-3</sup>
140	Pentad	3	2(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0101F <sub>1</sub>	-2.210(24) × 10 <sup>-2</sup>
141	Pentad	4	3(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>1</sub>	1.686(59) × 10 <sup>-4</sup>
142	Pentad	4	3(3, 0A <sub>2</sub> )	0010F <sub>2</sub>	0101F <sub>1</sub>	1.343(32) × 10 <sup>-4</sup>
143	Pentad	4	3(3, 0F <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>1</sub>	-7.84(55) × 10 <sup>-5</sup>
144	Pentad	4	3(3, 0F <sub>2</sub> )	0010F <sub>2</sub>	0101F <sub>1</sub>	-2.65(63) × 10 <sup>-5</sup>
145	Pentad	5	4(2, 0E)	0010F <sub>2</sub>	0101F <sub>1</sub>	1.18(13) × 10 <sup>-6</sup>
146	Pentad	5	4(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0101F <sub>1</sub>	-7.60(17) × 10 <sup>-6</sup>
147	Pentad	5	4(4, 0E)	0010F <sub>2</sub>	0101F <sub>1</sub>	0.0
148	Pentad	5	4(4, 0F <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>1</sub>	0.0
149	Pentad	5	4(4, 0F <sub>2</sub> )	0010F <sub>2</sub>	0101F <sub>1</sub>	-1.549(15) × 10 <sup>-5</sup>
150	Pentad	1	0(0, 0A <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	-1.861(68)
151	Pentad	2	1(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	-3.093(84) × 10 <sup>-1</sup>
152	Pentad	3	2(0, 0A <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	-3.202(14) × 10 <sup>-2</sup>
153	Pentad	3	2(2, 0E)	0010F <sub>2</sub>	0101F <sub>2</sub>	-2.93(13) × 10 <sup>-3</sup>
154	Pentad	3	2(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	-2.196(20) × 10 <sup>-2</sup>
155	Pentad	4	3(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	-6.18(61) × 10 <sup>-5</sup>
156	Pentad	4	3(3, 0F <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	-1.119(57) × 10 <sup>-4</sup>
157	Pentad	4	3(3, 0F <sub>2</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	2.286(67) × 10 <sup>-4</sup>
158	Pentad	5	4(0, 0A <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	8.30(17) × 10 <sup>-6</sup>
159	Pentad	5	4(2, 0E)	0010F <sub>2</sub>	0101F <sub>2</sub>	3.88(10) × 10 <sup>-6</sup>
160	Pentad	5	4(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	-3.35(14) × 10 <sup>-6</sup>

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\}$ $C_1$	$\{s'\}$ $C_2$	Value / $\text{cm}^{-1}$
161	Pentad	5	4(4, 0A <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	-9.75(56) × 10 <sup>-7</sup>
162	Pentad	5	4(4, 0E)	0010F <sub>2</sub>	0101F <sub>2</sub>	-4.509(87) × 10 <sup>-6</sup>
163	Pentad	5	4(4, 0F <sub>1</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	-9.67(11) × 10 <sup>-6</sup>
164	Pentad	5	4(4, 0F <sub>2</sub> )	0010F <sub>2</sub>	0101F <sub>2</sub>	-6.58(13) × 10 <sup>-6</sup>
165	Pentad	3	2(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002A <sub>1</sub>	3.396(35) × 10 <sup>-2</sup>
166	Pentad	4	3(3, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002A <sub>1</sub>	1.69(11) × 10 <sup>-4</sup>
167	Pentad	5	4(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002A <sub>1</sub>	8.97(26) × 10 <sup>-6</sup>
168	Pentad	5	4(4, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002A <sub>1</sub>	-7.97(17) × 10 <sup>-6</sup>
169	Pentad	2	1(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0002E	-1.630(83) × 10 <sup>-1</sup>
170	Pentad	3	2(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002E	-1.122(36) × 10 <sup>-2</sup>
171	Pentad	4	3(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0002E	3.338(89) × 10 <sup>-4</sup>
172	Pentad	4	3(3, 0F <sub>1</sub> )	0010F <sub>2</sub>	0002E	-5.76(71) × 10 <sup>-5</sup>
173	Pentad	4	3(3, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002E	0.0
174	Pentad	5	4(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002E	6.2(2.1) × 10 <sup>-7</sup>
175	Pentad	5	4(4, 0F <sub>1</sub> )	0010F <sub>2</sub>	0002E	-7.84(20) × 10 <sup>-6</sup>
176	Pentad	5	4(4, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002E	4.73(18) × 10 <sup>-6</sup>
177	Pentad	1	0(0, 0A <sub>1</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	-19.88(13)
178	Pentad	2	1(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	0.0
179	Pentad	3	2(0, 0A <sub>1</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	2.62(23) × 10 <sup>-3</sup>
180	Pentad	3	2(2, 0E)	0010F <sub>2</sub>	0002F <sub>2</sub>	1.450(24) × 10 <sup>-2</sup>
181	Pentad	3	2(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	-9.63(32) × 10 <sup>-3</sup>
182	Pentad	4	3(1, 0F <sub>1</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	8.13(88) × 10 <sup>-5</sup>
183	Pentad	4	3(3, 0F <sub>1</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	1.848(83) × 10 <sup>-4</sup>
184	Pentad	4	3(3, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	3.034(88) × 10 <sup>-4</sup>
185	Pentad	5	4(0, 0A <sub>1</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	0.0
186	Pentad	5	4(2, 0E)	0010F <sub>2</sub>	0002F <sub>2</sub>	3.91(15) × 10 <sup>-6</sup>
187	Pentad	5	4(2, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	-3.59(16) × 10 <sup>-6</sup>
188	Pentad	5	4(4, 0A <sub>1</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	5.026(70) × 10 <sup>-6</sup>
189	Pentad	5	4(4, 0E)	0010F <sub>2</sub>	0002F <sub>2</sub>	8.16(11) × 10 <sup>-6</sup>
190	Pentad	5	4(4, 0F <sub>1</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	0.0
191	Pentad	5	4(4, 0F <sub>2</sub> )	0010F <sub>2</sub>	0002F <sub>2</sub>	0.0
192	Pentad	2	0(0, 0A <sub>1</sub> )	0200A <sub>1</sub>	0200A <sub>1</sub>	-21.519(77)
193	Pentad	4	2(0, 0A <sub>1</sub> )	0200A <sub>1</sub>	0200A <sub>1</sub>	1.25(27) × 10 <sup>-3</sup>
194	Pentad	4	2(2, 0E)	0200A <sub>1</sub>	0200E	-2.05(17) × 10 <sup>-3</sup>
195	Pentad	2	0(0, 0A <sub>1</sub> )	0200E	0200E	-1.5427(21)
196	Pentad	4	2(0, 0A <sub>1</sub> )	0200E	0200E	-8.16(23) × 10 <sup>-3</sup>
197	Pentad	4	2(2, 0E)	0200E	0200E	1.51(20) × 10 <sup>-3</sup>
198	Pentad	5	3(3, 0A <sub>2</sub> )	0200E	0200E	-2.832(32) × 10 <sup>-4</sup>
199	Pentad	3	1(1, 0F <sub>1</sub> )	0200A <sub>1</sub>	0101F <sub>1</sub>	-8.29(88) × 10 <sup>-2</sup>
200	Pentad	5	3(1, 0F <sub>1</sub> )	0200A <sub>1</sub>	0101F <sub>1</sub>	3.55(41) × 10 <sup>-5</sup>
201	Pentad	5	3(3, 0F <sub>1</sub> )	0200A <sub>1</sub>	0101F <sub>1</sub>	-6.06(45) × 10 <sup>-5</sup>
202	Pentad	4	2(2, 0F <sub>2</sub> )	0200A <sub>1</sub>	0101F <sub>2</sub>	-6.34(16) × 10 <sup>-3</sup>
203	Pentad	5	3(3, 0F <sub>2</sub> )	0200A <sub>1</sub>	0101F <sub>2</sub>	-7.49(53) × 10 <sup>-5</sup>
204	Pentad	3	1(1, 0F <sub>1</sub> )	0200E	0101F <sub>1</sub>	1.227(97) × 10 <sup>-1</sup>
205	Pentad	4	2(2, 0F <sub>2</sub> )	0200E	0101F <sub>1</sub>	-3.56(14) × 10 <sup>-3</sup>
206	Pentad	5	3(1, 0F <sub>1</sub> )	0200E	0101F <sub>1</sub>	1.321(42) × 10 <sup>-4</sup>
207	Pentad	5	3(3, 0F <sub>1</sub> )	0200E	0101F <sub>1</sub>	1.288(35) × 10 <sup>-4</sup>
208	Pentad	5	3(3, 0F <sub>2</sub> )	0200E	0101F <sub>1</sub>	-1.559(38) × 10 <sup>-4</sup>
209	Pentad	3	1(1, 0F <sub>1</sub> )	0200E	0101F <sub>2</sub>	-2.596(75) × 10 <sup>-1</sup>
210	Pentad	4	2(2, 0F <sub>2</sub> )	0200E	0101F <sub>2</sub>	6.57(21) × 10 <sup>-3</sup>
211	Pentad	5	3(1, 0F <sub>1</sub> )	0200E	0101F <sub>2</sub>	-4.93(30) × 10 <sup>-5</sup>
212	Pentad	5	3(3, 0F <sub>1</sub> )	0200E	0101F <sub>2</sub>	-7.00(26) × 10 <sup>-5</sup>
213	Pentad	5	3(3, 0F <sub>2</sub> )	0200E	0101F <sub>2</sub>	-2.55(24) × 10 <sup>-5</sup>
214	Pentad	2	0(0, 0A <sub>1</sub> )	0200A <sub>1</sub>	0002A <sub>1</sub>	-3.27(33)
215	Pentad	4	2(0, 0A <sub>1</sub> )	0200A <sub>1</sub>	0002A <sub>1</sub>	0.0
216	Pentad	4	2(2, 0E)	0200A <sub>1</sub>	0002E	-9.31(33) × 10 <sup>-3</sup>
217	Pentad	4	2(2, 0F <sub>2</sub> )	0200A <sub>1</sub>	0002F <sub>2</sub>	1.129(38) × 10 <sup>-2</sup>
218	Pentad	5	3(3, 0F <sub>2</sub> )	0200A <sub>1</sub>	0002F <sub>2</sub>	8.67(56) × 10 <sup>-5</sup>
219	Pentad	4	2(2, 0E)	0200E	0002A <sub>1</sub>	-2.51(38) × 10 <sup>-3</sup>
220	Pentad	2	0(0, 0A <sub>1</sub> )	0200E	0002E	2.80(17)
221	Pentad	4	2(0, 0A <sub>1</sub> )	0200E	0002E	-7.95(28) × 10 <sup>-3</sup>
222	Pentad	4	2(2, 0E)	0200E	0002E	9.14(31) × 10 <sup>-3</sup>
223	Pentad	5	3(3, 0A <sub>2</sub> )	0200E	0002E	-1.472(25) × 10 <sup>-4</sup>
224	Pentad	3	1(1, 0F <sub>1</sub> )	0200E	0002F <sub>2</sub>	9.7(1.4) × 10 <sup>-2</sup>
225	Pentad	4	2(2, 0F <sub>2</sub> )	0200E	0002F <sub>2</sub>	6.78(35) × 10 <sup>-3</sup>
226	Pentad	5	3(1, 0F <sub>1</sub> )	0200E	0002F <sub>2</sub>	1.98(51) × 10 <sup>-5</sup>
227	Pentad	5	3(3, 0F <sub>1</sub> )	0200E	0002F <sub>2</sub>	-4.01(47) × 10 <sup>-5</sup>
228	Pentad	5	3(3, 0F <sub>2</sub> )	0200E	0002F <sub>2</sub>	-6.30(35) × 10 <sup>-5</sup>
229	Pentad	2	0(0, 0A <sub>1</sub> )	0101F <sub>1</sub>	0101F <sub>1</sub>	1.980486(98)
230	Pentad	3	1(1, 0F <sub>1</sub> )	0101F <sub>1</sub>	0101F <sub>1</sub>	-1.1187(56) × 10 <sup>-1</sup>
231	Pentad	4	2(0, 0A <sub>1</sub> )	0101F <sub>1</sub>	0101F <sub>1</sub>	9.67(21) × 10 <sup>-3</sup>
232	Pentad	4	2(2, 0E)	0101F <sub>1</sub>	0101F <sub>1</sub>	-8.09(31) × 10 <sup>-3</sup>
233	Pentad	4	2(2, 0F <sub>2</sub> )	0101F <sub>1</sub>	0101F <sub>1</sub>	5.86(36) × 10 <sup>-3</sup>
234	Pentad	5	3(1, 0F <sub>1</sub> )	0101F <sub>1</sub>	0101F <sub>1</sub>	1.275(50) × 10 <sup>-4</sup>
235	Pentad	5	3(3, 0F <sub>1</sub> )	0101F <sub>1</sub>	0101F <sub>1</sub>	2.765(56) × 10 <sup>-4</sup>
236	Pentad	3	1(1, 0F <sub>1</sub> )	0101F <sub>1</sub>	0101F <sub>2</sub>	-2.951(25) × 10 <sup>-1</sup>
237	Pentad	4	2(2, 0E)	0101F <sub>1</sub>	0101F <sub>2</sub>	-5.660(74) × 10 <sup>-3</sup>
238	Pentad	4	2(2, 0F <sub>2</sub> )	0101F <sub>1</sub>	0101F <sub>2</sub>	-1.858(18) × 10 <sup>-2</sup>
239	Pentad	5	3(1, 0F <sub>1</sub> )	0101F <sub>1</sub>	0101F <sub>2</sub>	9.0(3.1) × 10 <sup>-6</sup>
240	Pentad	5	3(3, 0A <sub>2</sub> )	0101F <sub>1</sub>	0101F <sub>2</sub>	-1.656(18) × 10 <sup>-4</sup>

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\}$ $C_1$	$\{s'\}$ $C_2$	Value / $\text{cm}^{-1}$
241	Pentad	5	3(3, 0F <sub>1</sub> )	0101F <sub>1</sub>	0101F <sub>2</sub>	-3.52(32) × 10 <sup>-5</sup>
242	Pentad	5	3(3, 0F <sub>2</sub> )	0101F <sub>1</sub>	0101F <sub>2</sub>	-1.137(34) × 10 <sup>-4</sup>
243	Pentad	2	0(0, 0A <sub>1</sub> )	0101F <sub>2</sub>	0101F <sub>2</sub>	-14.2178(71)
244	Pentad	3	1(1, 0F <sub>1</sub> )	0101F <sub>2</sub>	0101F <sub>2</sub>	-4.306(90) × 10 <sup>-1</sup>
245	Pentad	4	2(0, 0A <sub>1</sub> )	0101F <sub>2</sub>	0101F <sub>2</sub>	3.41(14) × 10 <sup>-3</sup>
246	Pentad	4	2(2, 0E )	0101F <sub>2</sub>	0101F <sub>2</sub>	-6.67(14) × 10 <sup>-3</sup>
247	Pentad	4	2(2, 0F <sub>2</sub> )	0101F <sub>2</sub>	0101F <sub>2</sub>	9.69(10) × 10 <sup>-3</sup>
248	Pentad	5	3(1, 0F <sub>1</sub> )	0101F <sub>2</sub>	0101F <sub>2</sub>	9.29(45) × 10 <sup>-5</sup>
249	Pentad	5	3(3, 0F <sub>1</sub> )	0101F <sub>2</sub>	0101F <sub>2</sub>	3.102(52) × 10 <sup>-4</sup>
250	Pentad	3	1(1, 0F <sub>1</sub> )	0101F <sub>1</sub>	0002A <sub>1</sub>	8.28(11) × 10 <sup>-1</sup>
251	Pentad	5	3(1, 0F <sub>1</sub> )	0101F <sub>1</sub>	0002A <sub>1</sub>	5.85(42) × 10 <sup>-5</sup>
252	Pentad	5	3(3, 0F <sub>1</sub> )	0101F <sub>1</sub>	0002A <sub>1</sub>	6.27(46) × 10 <sup>-5</sup>
253	Pentad	3	1(1, 0F <sub>1</sub> )	0101F <sub>1</sub>	0002E	2.001(68) × 10 <sup>-1</sup>
254	Pentad	4	2(2, 0F <sub>2</sub> )	0101F <sub>1</sub>	0002E	-4.28(17) × 10 <sup>-3</sup>
255	Pentad	5	3(1, 0F <sub>1</sub> )	0101F <sub>1</sub>	0002E	-7.86(39) × 10 <sup>-5</sup>
256	Pentad	5	3(3, 0F <sub>1</sub> )	0101F <sub>1</sub>	0002E	9.51(38) × 10 <sup>-5</sup>
257	Pentad	5	3(3, 0F <sub>2</sub> )	0101F <sub>1</sub>	0002E	-1.061(41) × 10 <sup>-4</sup>
258	Pentad	3	1(1, 0F <sub>1</sub> )	0101F <sub>1</sub>	0002F <sub>2</sub>	-3.587(72) × 10 <sup>-1</sup>
259	Pentad	4	2(2, 0E )	0101F <sub>1</sub>	0002F <sub>2</sub>	7.21(15) × 10 <sup>-3</sup>
260	Pentad	4	2(2, 0F <sub>2</sub> )	0101F <sub>1</sub>	0002F <sub>2</sub>	-9.4(1.7) × 10 <sup>-4</sup>
261	Pentad	5	3(1, 0F <sub>1</sub> )	0101F <sub>1</sub>	0002F <sub>2</sub>	9.36(44) × 10 <sup>-5</sup>
262	Pentad	5	3(3, 0A <sub>2</sub> )	0101F <sub>1</sub>	0002F <sub>2</sub>	3.44(27) × 10 <sup>-5</sup>
263	Pentad	5	3(3, 0F <sub>1</sub> )	0101F <sub>1</sub>	0002F <sub>2</sub>	4.36(39) × 10 <sup>-5</sup>
264	Pentad	5	3(3, 0F <sub>2</sub> )	0101F <sub>1</sub>	0002F <sub>2</sub>	5.72(46) × 10 <sup>-5</sup>
265	Pentad	4	2(2, 0F <sub>2</sub> )	0101F <sub>2</sub>	0002A <sub>1</sub>	0.0
266	Pentad	5	3(3, 0F <sub>2</sub> )	0101F <sub>2</sub>	0002A <sub>1</sub>	-3.55(46) × 10 <sup>-5</sup>
267	Pentad	3	1(1, 0F <sub>1</sub> )	0101F <sub>2</sub>	0002E	2.068(70) × 10 <sup>-1</sup>
268	Pentad	4	2(2, 0F <sub>2</sub> )	0101F <sub>2</sub>	0002E	-4.40(14) × 10 <sup>-3</sup>
269	Pentad	5	3(1, 0F <sub>1</sub> )	0101F <sub>2</sub>	0002E	0.0
270	Pentad	5	3(3, 0F <sub>1</sub> )	0101F <sub>2</sub>	0002E	8.31(43) × 10 <sup>-5</sup>
271	Pentad	5	3(3, 0F <sub>2</sub> )	0101F <sub>2</sub>	0002E	0.0
272	Pentad	2	0(0, 0A <sub>1</sub> )	0101F <sub>2</sub>	0002F <sub>2</sub>	-9.766(77)
273	Pentad	3	1(1, 0F <sub>1</sub> )	0101F <sub>2</sub>	0002F <sub>2</sub>	-5.69(25) × 10 <sup>-2</sup>
274	Pentad	4	2(0, 0A <sub>1</sub> )	0101F <sub>2</sub>	0002F <sub>2</sub>	0.0
275	Pentad	4	2(2, 0E )	0101F <sub>2</sub>	0002F <sub>2</sub>	6.50(15) × 10 <sup>-3</sup>
276	Pentad	4	2(2, 0F <sub>2</sub> )	0101F <sub>2</sub>	0002F <sub>2</sub>	-1.67(16) × 10 <sup>-3</sup>
277	Pentad	5	3(1, 0F <sub>1</sub> )	0101F <sub>2</sub>	0002F <sub>2</sub>	0.0
278	Pentad	5	3(3, 0F <sub>1</sub> )	0101F <sub>2</sub>	0002F <sub>2</sub>	-3.49(30) × 10 <sup>-5</sup>
279	Pentad	5	3(3, 0F <sub>2</sub> )	0101F <sub>2</sub>	0002F <sub>2</sub>	4.96(42) × 10 <sup>-5</sup>
280	Pentad	2	0(0, 0A <sub>1</sub> )	0002A <sub>1</sub>	0002A <sub>1</sub>	-31.622(69)
281	Pentad	4	2(0, 0A <sub>1</sub> )	0002A <sub>1</sub>	0002A <sub>1</sub>	-3.35(23) × 10 <sup>-3</sup>
282	Pentad	4	2(2, 0E )	0002A <sub>1</sub>	0002E	7.53(10) × 10 <sup>-3</sup>
283	Pentad	4	2(2, 0F <sub>2</sub> )	0002A <sub>1</sub>	0002F <sub>2</sub>	-1.80(11) × 10 <sup>-3</sup>
284	Pentad	5	3(3, 0F <sub>2</sub> )	0002A <sub>1</sub>	0002F <sub>2</sub>	1.20(38) × 10 <sup>-5</sup>
285	Pentad	2	0(0, 0A <sub>1</sub> )	0002E	0002E	3.1125(21)
286	Pentad	4	2(0, 0A <sub>1</sub> )	0002E	0002E	-4.18(14) × 10 <sup>-3</sup>
287	Pentad	4	2(2, 0E )	0002E	0002E	7.38(12) × 10 <sup>-3</sup>
288	Pentad	5	3(3, 0A <sub>2</sub> )	0002E	0002E	-6.15(28) × 10 <sup>-5</sup>
289	Pentad	3	1(1, 0F <sub>1</sub> )	0002E	0002F <sub>2</sub>	8.958(54) × 10 <sup>-2</sup>
290	Pentad	4	2(2, 0F <sub>2</sub> )	0002E	0002F <sub>2</sub>	1.0774(82) × 10 <sup>-2</sup>
291	Pentad	5	3(1, 0F <sub>1</sub> )	0002E	0002F <sub>2</sub>	6.57(22) × 10 <sup>-5</sup>
292	Pentad	5	3(3, 0F <sub>1</sub> )	0002E	0002F <sub>2</sub>	7.97(20) × 10 <sup>-5</sup>
293	Pentad	5	3(3, 0F <sub>2</sub> )	0002E	0002F <sub>2</sub>	-6.14(25) × 10 <sup>-5</sup>
294	Pentad	2	0(0, 0A <sub>1</sub> )	0002F <sub>2</sub>	0002F <sub>2</sub>	-5.833(13)
295	Pentad	3	1(1, 0F <sub>1</sub> )	0002F <sub>2</sub>	0002F <sub>2</sub>	-1.722(88) × 10 <sup>-1</sup>
296	Pentad	4	2(0, 0A <sub>1</sub> )	0002F <sub>2</sub>	0002F <sub>2</sub>	-3.71(10) × 10 <sup>-3</sup>
297	Pentad	4	2(2, 0E )	0002F <sub>2</sub>	0002F <sub>2</sub>	0.0
298	Pentad	4	2(2, 0F <sub>2</sub> )	0002F <sub>2</sub>	0002F <sub>2</sub>	0.0
299	Pentad	5	3(1, 0F <sub>1</sub> )	0002F <sub>2</sub>	0002F <sub>2</sub>	-9.1(4.7) × 10 <sup>-6</sup>
300	Pentad	5	3(3, 0F <sub>1</sub> )	0002F <sub>2</sub>	0002F <sub>2</sub>	2.30(40) × 10 <sup>-5</sup>
301	Octad	2	0(0, 0A <sub>1</sub> )	1100E	1100E	0.0
302	Octad	4	2(0, 0A <sub>1</sub> )	1100E	1100E	-9.13(67) × 10 <sup>-3</sup>
303	Octad	4	2(2, 0E )	1100E	1100E	-5.22(65) × 10 <sup>-3</sup>
304	Octad	5	3(3, 0A <sub>2</sub> )	1100E	1100E	6.28(11) × 10 <sup>-4</sup>
305	Octad	3	1(1, 0F <sub>1</sub> )	1100E	1001F <sub>2</sub>	-5.82(31) × 10 <sup>-1</sup>
306	Octad	4	2(2, 0F <sub>2</sub> )	1100E	1001F <sub>2</sub>	-2.985(97) × 10 <sup>-2</sup>
307	Octad	5	3(1, 0F <sub>1</sub> )	1100E	1001F <sub>2</sub>	-7.45(11) × 10 <sup>-4</sup>
308	Octad	5	3(3, 0F <sub>1</sub> )	1100E	1001F <sub>2</sub>	-5.89(11) × 10 <sup>-4</sup>
309	Octad	5	3(3, 0F <sub>2</sub> )	1100E	1001F <sub>2</sub>	-5.650(92) × 10 <sup>-4</sup>
310	Octad	3	1(1, 0F <sub>1</sub> )	1100E	0110F <sub>1</sub>	-1.171(11)
311	Octad	4	2(2, 0F <sub>2</sub> )	1100E	0110F <sub>1</sub>	-9.25(50) × 10 <sup>-3</sup>
312	Octad	5	3(1, 0F <sub>1</sub> )	1100E	0110F <sub>1</sub>	-3.19(18) × 10 <sup>-4</sup>
313	Octad	5	3(3, 0F <sub>1</sub> )	1100E	0110F <sub>1</sub>	-8.83(18) × 10 <sup>-4</sup>
314	Octad	5	3(3, 0F <sub>2</sub> )	1100E	0110F <sub>1</sub>	7.53(18) × 10 <sup>-4</sup>
315	Octad	3	1(1, 0F <sub>1</sub> )	1100E	0110F <sub>2</sub>	-3.92(13) × 10 <sup>-1</sup>
316	Octad	4	2(2, 0F <sub>2</sub> )	1100E	0110F <sub>2</sub>	0.0
317	Octad	5	3(1, 0F <sub>1</sub> )	1100E	0110F <sub>2</sub>	7.64(16) × 10 <sup>-4</sup>
318	Octad	5	3(3, 0F <sub>1</sub> )	1100E	0110F <sub>2</sub>	7.82(18) × 10 <sup>-4</sup>
319	Octad	5	3(3, 0F <sub>2</sub> )	1100E	0110F <sub>2</sub>	-8.99(21) × 10 <sup>-4</sup>
320	Octad	4	2(2, 0E )	1100E	0011A <sub>1</sub>	7.33(54) × 10 <sup>-3</sup>

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\}$ $C_1$	$\{s'\}$ $C_2$	Value / $\text{cm}^{-1}$
321	Octad	2	0(0, 0A <sub>1</sub> )	1100E	0011E	-14.78(12)
322	Octad	4	2(0, 0A <sub>1</sub> )	1100E	0011E	0.0
323	Octad	4	2(2, 0E )	1100E	0011E	-8.2(6.1) $\times 10^{-4}$
324	Octad	5	3(3, 0A <sub>2</sub> )	1100E	0011E	1.300(79) $\times 10^{-4}$
325	Octad	3	1(1, 0F <sub>1</sub> )	1100E	0011F <sub>1</sub>	0.0
326	Octad	4	2(2, 0F <sub>2</sub> )	1100E	0011F <sub>1</sub>	-4.088(65) $\times 10^{-2}$
327	Octad	5	3(1, 0F <sub>1</sub> )	1100E	0011F <sub>1</sub>	2.09(21) $\times 10^{-4}$
328	Octad	5	3(3, 0F <sub>1</sub> )	1100E	0011F <sub>1</sub>	0.0
329	Octad	5	3(3, 0F <sub>2</sub> )	1100E	0011F <sub>1</sub>	-7.48(19) $\times 10^{-4}$
330	Octad	3	1(1, 0F <sub>1</sub> )	1100E	0011F <sub>2</sub>	2.080(27)
331	Octad	4	2(2, 0F <sub>2</sub> )	1100E	0011F <sub>2</sub>	-7.838(68) $\times 10^{-2}$
332	Octad	5	3(1, 0F <sub>1</sub> )	1100E	0011F <sub>2</sub>	4.39(13) $\times 10^{-4}$
333	Octad	5	3(3, 0F <sub>1</sub> )	1100E	0011F <sub>2</sub>	-2.05(12) $\times 10^{-4}$
334	Octad	5	3(3, 0F <sub>2</sub> )	1100E	0011F <sub>2</sub>	-2.7(1.8) $\times 10^{-5}$
335	Octad	3	0(0, 0A <sub>1</sub> )	1100E	0300E	3.265(44)
336	Octad	5	2(0, 0A <sub>1</sub> )	1100E	0300E	-7.4(2.4) $\times 10^{-4}$
337	Octad	5	2(2, 0E )	1100E	0300E	-8.29(23) $\times 10^{-3}$
338	Octad	5	2(2, 0E )	1100E	0300A <sub>1</sub>	-4.10(18) $\times 10^{-3}$
339	Octad	5	2(2, 0E )	1100E	0300A <sub>2</sub>	-7.58(22) $\times 10^{-3}$
340	Octad	4	1(1, 0F <sub>1</sub> )	1100E	0201F <sub>2</sub>	-3.06(14) $\times 10^{-1}$
341	Octad	5	2(2, 0F <sub>2</sub> )	1100E	0201F <sub>2</sub>	0.0
342	Octad	4	1(1, 0F <sub>1</sub> )	1100E	0201F <sub>1</sub>	4.50(10) $\times 10^{-1}$
343	Octad	5	2(2, 0F <sub>2</sub> )	1100E	0201F <sub>1</sub>	2.463(32) $\times 10^{-2}$
344	Octad	4	1(1, 0F <sub>1</sub> )	1100E	0201F <sub>2</sub>	-2.06(13) $\times 10^{-1}$
345	Octad	5	2(2, 0F <sub>2</sub> )	1100E	0201F <sub>2</sub>	5.72(33) $\times 10^{-3}$
346	Octad	3	0(0, 0A <sub>1</sub> )	1100E	0102E	-4.02(27)
347	Octad	5	2(0, 0A <sub>1</sub> )	1100E	0102E	1.329(49) $\times 10^{-2}$
348	Octad	5	2(2, 0E )	1100E	0102E	5.77(44) $\times 10^{-3}$
349	Octad	5	2(2, 0E )	1100E	0102A <sub>1</sub>	0.0
350	Octad	5	2(2, 0E )	1100E	0102A <sub>2</sub>	-1.281(41) $\times 10^{-2}$
351	Octad	3	0(0, 0A <sub>1</sub> )	1100E	0102E	-1.95(21)
352	Octad	5	2(0, 0A <sub>1</sub> )	1100E	0102E	-8.38(45) $\times 10^{-3}$
353	Octad	5	2(2, 0E )	1100E	0102E	8.89(36) $\times 10^{-3}$
354	Octad	4	1(1, 0F <sub>1</sub> )	1100E	0102F <sub>1</sub>	-3.21(18) $\times 10^{-1}$
355	Octad	5	2(2, 0F <sub>2</sub> )	1100E	0102F <sub>1</sub>	-2.7(3.9) $\times 10^{-4}$
356	Octad	4	1(1, 0F <sub>1</sub> )	1100E	0102F <sub>2</sub>	-1.10(21) $\times 10^{-1}$
357	Octad	5	2(2, 0F <sub>2</sub> )	1100E	0102F <sub>2</sub>	1.184(52) $\times 10^{-2}$
358	Octad	4	1(1, 0F <sub>1</sub> )	1100E	0003F <sub>2</sub>	8.25(53) $\times 10^{-1}$
359	Octad	5	2(2, 0F <sub>2</sub> )	1100E	0003F <sub>2</sub>	2.270(81) $\times 10^{-2}$
360	Octad	5	2(2, 0E )	1100E	0003A <sub>1</sub>	1.512(71) $\times 10^{-2}$
361	Octad	4	1(1, 0F <sub>1</sub> )	1100E	0003F <sub>1</sub>	5.87(28) $\times 10^{-1}$
362	Octad	5	2(2, 0F <sub>2</sub> )	1100E	0003F <sub>1</sub>	1.782(74) $\times 10^{-2}$
363	Octad	4	1(1, 0F <sub>1</sub> )	1100E	0003F <sub>2</sub>	2.10(35) $\times 10^{-1}$
364	Octad	5	2(2, 0F <sub>2</sub> )	1100E	0003F <sub>2</sub>	1.673(63) $\times 10^{-2}$
365	Octad	2	0(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	1001F <sub>2</sub>	-6.352(52)
366	Octad	3	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	1001F <sub>2</sub>	1.060(86) $\times 10^{-1}$
367	Octad	4	2(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	1001F <sub>2</sub>	9.38(45) $\times 10^{-3}$
368	Octad	4	2(2, 0E )	1001F <sub>2</sub>	1001F <sub>2</sub>	-1.306(70) $\times 10^{-2}$
369	Octad	4	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	1001F <sub>2</sub>	6.82(53) $\times 10^{-3}$
370	Octad	5	3(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	1001F <sub>2</sub>	-2.64(16) $\times 10^{-4}$
371	Octad	5	3(3, 0F <sub>1</sub> )	1001F <sub>2</sub>	1001F <sub>2</sub>	-5.00(14) $\times 10^{-4}$
372	Octad	3	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0110F <sub>1</sub>	-8.6(3.0) $\times 10^{-2}$
373	Octad	4	2(2, 0E )	1001F <sub>2</sub>	0110F <sub>1</sub>	0.0
374	Octad	4	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0110F <sub>1</sub>	-1.51(10) $\times 10^{-2}$
375	Octad	5	3(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0110F <sub>1</sub>	0.0
376	Octad	5	3(3, 0A <sub>2</sub> )	1001F <sub>2</sub>	0110F <sub>1</sub>	4.17(15) $\times 10^{-4}$
377	Octad	5	3(3, 0F <sub>1</sub> )	1001F <sub>2</sub>	0110F <sub>1</sub>	7.27(23) $\times 10^{-4}$
378	Octad	5	3(3, 0F <sub>2</sub> )	1001F <sub>2</sub>	0110F <sub>1</sub>	4.45(23) $\times 10^{-4}$
379	Octad	2	0(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0110F <sub>2</sub>	0.0
380	Octad	3	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0110F <sub>2</sub>	6.59(31) $\times 10^{-1}$
381	Octad	4	2(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0110F <sub>2</sub>	0.0
382	Octad	4	2(2, 0E )	1001F <sub>2</sub>	0110F <sub>2</sub>	2.245(94) $\times 10^{-2}$
383	Octad	4	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0110F <sub>2</sub>	1.43(12) $\times 10^{-2}$
384	Octad	5	3(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0110F <sub>2</sub>	0.0
385	Octad	5	3(3, 0F <sub>1</sub> )	1001F <sub>2</sub>	0110F <sub>2</sub>	5.35(21) $\times 10^{-4}$
386	Octad	5	3(3, 0F <sub>2</sub> )	1001F <sub>2</sub>	0110F <sub>2</sub>	1.71(33) $\times 10^{-4}$
387	Octad	4	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0011A <sub>1</sub>	-2.529(48) $\times 10^{-2}$
388	Octad	5	3(3, 0F <sub>2</sub> )	1001F <sub>2</sub>	0011A <sub>1</sub>	-5.06(20) $\times 10^{-4}$
389	Octad	3	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0011E	5.34(14) $\times 10^{-1}$
390	Octad	4	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0011E	3.47(64) $\times 10^{-3}$
391	Octad	5	3(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0011E	8.96(16) $\times 10^{-4}$
392	Octad	5	3(3, 0F <sub>1</sub> )	1001F <sub>2</sub>	0011E	-1.47(17) $\times 10^{-4}$
393	Octad	5	3(3, 0F <sub>2</sub> )	1001F <sub>2</sub>	0011E	-4.94(15) $\times 10^{-4}$
394	Octad	3	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0011F <sub>1</sub>	-9.090(97) $\times 10^{-1}$
395	Octad	4	2(2, 0E )	1001F <sub>2</sub>	0011F <sub>1</sub>	9.51(39) $\times 10^{-3}$
396	Octad	4	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0011F <sub>1</sub>	3.333(45) $\times 10^{-2}$
397	Octad	5	3(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0011F <sub>1</sub>	-1.284(13) $\times 10^{-3}$
398	Octad	5	3(3, 0A <sub>2</sub> )	1001F <sub>2</sub>	0011F <sub>1</sub>	5.952(73) $\times 10^{-4}$
399	Octad	5	3(3, 0F <sub>1</sub> )	1001F <sub>2</sub>	0011F <sub>1</sub>	9.6(1.4) $\times 10^{-5}$
400	Octad	5	3(3, 0F <sub>2</sub> )	1001F <sub>2</sub>	0011F <sub>1</sub>	3.9(1.7) $\times 10^{-5}$



Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\}$ $C_1$	$\{s'\}$ $C_2$	Value / $\text{cm}^{-1}$
401	Octad	2	0(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0011F <sub>2</sub>	1.163(96)
402	Octad	3	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0011F <sub>2</sub>	-9.81(19) × 10 <sup>-1</sup>
403	Octad	4	2(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0011F <sub>2</sub>	2.120(41) × 10 <sup>-2</sup>
404	Octad	4	2(2, 0E )	1001F <sub>2</sub>	0011F <sub>2</sub>	5.167(52) × 10 <sup>-2</sup>
405	Octad	4	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0011F <sub>2</sub>	2.730(57) × 10 <sup>-2</sup>
406	Octad	5	3(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0011F <sub>2</sub>	0.0
407	Octad	5	3(3, 0F <sub>1</sub> )	1001F <sub>2</sub>	0011F <sub>2</sub>	-1.49(12) × 10 <sup>-4</sup>
408	Octad	5	3(3, 0F <sub>2</sub> )	1001F <sub>2</sub>	0011F <sub>2</sub>	-7.54(16) × 10 <sup>-4</sup>
409	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0300E	0.0
410	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0300E	0.0
411	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0300A <sub>1</sub>	-1.603(36) × 10 <sup>-2</sup>
412	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0300A <sub>2</sub>	0.0
413	Octad	3	0(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0201F <sub>2</sub>	2.565(48)
414	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0201F <sub>2</sub>	-6.66(11) × 10 <sup>-1</sup>
415	Octad	5	2(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0201F <sub>2</sub>	1.512(18) × 10 <sup>-2</sup>
416	Octad	5	2(2, 0E )	1001F <sub>2</sub>	0201F <sub>2</sub>	-6.3(2.5) × 10 <sup>-4</sup>
417	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0201F <sub>2</sub>	0.0
418	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0201F <sub>1</sub>	0.0
419	Octad	5	2(2, 0E )	1001F <sub>2</sub>	0201F <sub>1</sub>	-8.58(18) × 10 <sup>-3</sup>
420	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0201F <sub>1</sub>	6.21(39) × 10 <sup>-3</sup>
421	Octad	3	0(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0201F <sub>2</sub>	0.0
422	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0201F <sub>2</sub>	1.4539(98)
423	Octad	5	2(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0201F <sub>2</sub>	-0.996(23) × 10 <sup>-2</sup>
424	Octad	5	2(2, 0E )	1001F <sub>2</sub>	0201F <sub>2</sub>	-1.508(28) × 10 <sup>-2</sup>
425	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0201F <sub>2</sub>	-2.526(34) × 10 <sup>-2</sup>
426	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0102E	3.05(13) × 10 <sup>-1</sup>
427	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0102E	-2.040(30) × 10 <sup>-2</sup>
428	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0102A <sub>1</sub>	-9.74(34) × 10 <sup>-3</sup>
429	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0102A <sub>2</sub>	-1.633(74) × 10 <sup>-1</sup>
430	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0102E	-3.54(12) × 10 <sup>-1</sup>
431	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0102E	6.52(38) × 10 <sup>-3</sup>
432	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0102F <sub>1</sub>	8.952(84) × 10 <sup>-1</sup>
433	Octad	5	2(2, 0E )	1001F <sub>2</sub>	0102F <sub>1</sub>	4.06(28) × 10 <sup>-3</sup>
434	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0102F <sub>1</sub>	1.252(36) × 10 <sup>-2</sup>
435	Octad	3	0(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0102F <sub>2</sub>	6.85(55) × 10 <sup>-1</sup>
436	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0102F <sub>2</sub>	0.0
437	Octad	5	2(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0102F <sub>2</sub>	-1.210(25) × 10 <sup>-2</sup>
438	Octad	5	2(2, 0E )	1001F <sub>2</sub>	0102F <sub>2</sub>	4.26(30) × 10 <sup>-3</sup>
439	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0102F <sub>2</sub>	1.001(34) × 10 <sup>-2</sup>
440	Octad	3	0(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0003F <sub>2</sub>	0.0
441	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0003F <sub>2</sub>	-1.364(93) × 10 <sup>-1</sup>
442	Octad	5	2(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0003F <sub>2</sub>	-4.00(29) × 10 <sup>-3</sup>
443	Octad	5	2(2, 0E )	1001F <sub>2</sub>	0003F <sub>2</sub>	5.6(3.4) × 10 <sup>-4</sup>
444	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0003F <sub>2</sub>	-7.81(39) × 10 <sup>-3</sup>
445	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0003A <sub>1</sub>	5.89(36) × 10 <sup>-3</sup>
446	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0003F <sub>1</sub>	-2.02(15) × 10 <sup>-1</sup>
447	Octad	5	2(2, 0E )	1001F <sub>2</sub>	0003F <sub>1</sub>	0.0
448	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0003F <sub>1</sub>	0.0
449	Octad	3	0(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0003F <sub>2</sub>	-2.996(91)
450	Octad	4	1(1, 0F <sub>1</sub> )	1001F <sub>2</sub>	0003F <sub>2</sub>	-3.84(11) × 10 <sup>-1</sup>
451	Octad	5	2(0, 0A <sub>1</sub> )	1001F <sub>2</sub>	0003F <sub>2</sub>	0.0
452	Octad	5	2(2, 0E )	1001F <sub>2</sub>	0003F <sub>2</sub>	-5.92(35) × 10 <sup>-3</sup>
453	Octad	5	2(2, 0F <sub>2</sub> )	1001F <sub>2</sub>	0003F <sub>2</sub>	9.36(48) × 10 <sup>-3</sup>
454	Octad	2	0(0, 0A <sub>1</sub> )	0110F <sub>1</sub>	0110F <sub>1</sub>	-15.188(13)
455	Octad	3	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0110F <sub>1</sub>	-2.4232(92) × 10 <sup>-1</sup>
456	Octad	4	2(0, 0A <sub>1</sub> )	0110F <sub>1</sub>	0110F <sub>1</sub>	-3.65(43) × 10 <sup>-3</sup>
457	Octad	4	2(2, 0E )	0110F <sub>1</sub>	0110F <sub>1</sub>	1.211(57) × 10 <sup>-2</sup>
458	Octad	4	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0110F <sub>1</sub>	2.734(45) × 10 <sup>-2</sup>
459	Octad	5	3(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0110F <sub>1</sub>	0.0
460	Octad	5	3(3, 0F <sub>1</sub> )	0110F <sub>1</sub>	0110F <sub>1</sub>	5.28(12) × 10 <sup>-4</sup>
461	Octad	3	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0110F <sub>2</sub>	2.341(24) × 10 <sup>-1</sup>
462	Octad	4	2(2, 0E )	0110F <sub>1</sub>	0110F <sub>2</sub>	-9.33(24) × 10 <sup>-3</sup>
463	Octad	4	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0110F <sub>2</sub>	4.07(35) × 10 <sup>-3</sup>
464	Octad	5	3(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0110F <sub>2</sub>	5.16(10) × 10 <sup>-4</sup>
465	Octad	5	3(3, 0A <sub>2</sub> )	0110F <sub>1</sub>	0110F <sub>2</sub>	6.288(71) × 10 <sup>-4</sup>
466	Octad	5	3(3, 0F <sub>1</sub> )	0110F <sub>1</sub>	0110F <sub>2</sub>	-1.481(81) × 10 <sup>-4</sup>
467	Octad	5	3(3, 0F <sub>2</sub> )	0110F <sub>1</sub>	0110F <sub>2</sub>	-4.01(10) × 10 <sup>-4</sup>
468	Octad	2	0(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0110F <sub>2</sub>	-9.057(17)
469	Octad	3	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0110F <sub>2</sub>	-6.167(32) × 10 <sup>-1</sup>
470	Octad	4	2(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0110F <sub>2</sub>	0.0
471	Octad	4	2(2, 0E )	0110F <sub>2</sub>	0110F <sub>2</sub>	6.28(15) × 10 <sup>-3</sup>
472	Octad	4	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0110F <sub>2</sub>	3.692(47) × 10 <sup>-2</sup>
473	Octad	5	3(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0110F <sub>2</sub>	0.0
474	Octad	5	3(3, 0F <sub>1</sub> )	0110F <sub>2</sub>	0110F <sub>2</sub>	0.0
475	Octad	3	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011A <sub>1</sub>	6.79(18) × 10 <sup>-1</sup>
476	Octad	5	3(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011A <sub>1</sub>	1.192(12) × 10 <sup>-3</sup>
477	Octad	5	3(3, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011A <sub>1</sub>	-3.298(99) × 10 <sup>-4</sup>
478	Octad	3	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011E	-2.02(26) × 10 <sup>-1</sup>
479	Octad	4	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0011E	3.270(55) × 10 <sup>-2</sup>
480	Octad	5	3(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011E	8.64(92) × 10 <sup>-5</sup>

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\}$ $C_1$	$\{s'\}$ $C_2$	Value / $\text{cm}^{-1}$
481	Octad	5	3(3, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011E	8.278(88) × 10 <sup>-4</sup>
482	Octad	5	3(3, 0F <sub>2</sub> )	0110F <sub>1</sub>	0011E	-2.17(12) × 10 <sup>-4</sup>
483	Octad	2	0(0, 0A <sub>1</sub> )	0110F <sub>1</sub>	0011F <sub>1</sub>	0.0
484	Octad	3	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011F <sub>1</sub>	1.523(19)
485	Octad	4	2(0, 0A <sub>1</sub> )	0110F <sub>1</sub>	0011F <sub>1</sub>	0.0
486	Octad	4	2(2, 0E )	0110F <sub>1</sub>	0011F <sub>1</sub>	3.139(59) × 10 <sup>-2</sup>
487	Octad	4	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0011F <sub>1</sub>	1.402(90) × 10 <sup>-2</sup>
488	Octad	5	3(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011F <sub>1</sub>	7.4(1.4) × 10 <sup>-5</sup>
489	Octad	5	3(3, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011F <sub>1</sub>	-1.308(12) × 10 <sup>-3</sup>
490	Octad	5	3(3, 0F <sub>2</sub> )	0110F <sub>1</sub>	0011F <sub>1</sub>	-3.29(18) × 10 <sup>-4</sup>
491	Octad	3	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011F <sub>2</sub>	-3.72(24) × 10 <sup>-1</sup>
492	Octad	4	2(2, 0E )	0110F <sub>1</sub>	0011F <sub>2</sub>	2.235(44) × 10 <sup>-2</sup>
493	Octad	4	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0011F <sub>2</sub>	-2.932(80) × 10 <sup>-2</sup>
494	Octad	5	3(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011F <sub>2</sub>	-5.90(12) × 10 <sup>-4</sup>
495	Octad	5	3(3, 0A <sub>2</sub> )	0110F <sub>1</sub>	0011F <sub>2</sub>	1.404(76) × 10 <sup>-4</sup>
496	Octad	5	3(3, 0F <sub>1</sub> )	0110F <sub>1</sub>	0011F <sub>2</sub>	2.55(14) × 10 <sup>-4</sup>
497	Octad	5	3(3, 0F <sub>2</sub> )	0110F <sub>1</sub>	0011F <sub>2</sub>	1.89(13) × 10 <sup>-4</sup>
498	Octad	4	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0011A <sub>1</sub>	-7.677(74) × 10 <sup>-2</sup>
499	Octad	5	3(3, 0F <sub>2</sub> )	0110F <sub>2</sub>	0011A <sub>1</sub>	-7.41(11) × 10 <sup>-4</sup>
500	Octad	3	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0011E	1.530(21)
501	Octad	4	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0011E	-7.693(72) × 10 <sup>-2</sup>
502	Octad	5	3(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0011E	1.93(14) × 10 <sup>-4</sup>
503	Octad	5	3(3, 0F <sub>1</sub> )	0110F <sub>2</sub>	0011E	3.61(15) × 10 <sup>-4</sup>
504	Octad	5	3(3, 0F <sub>2</sub> )	0110F <sub>2</sub>	0011E	-5.74(15) × 10 <sup>-4</sup>
505	Octad	3	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0011F <sub>1</sub>	-1.165(16)
506	Octad	4	2(2, 0E )	0110F <sub>2</sub>	0011F <sub>1</sub>	2.70(37) × 10 <sup>-3</sup>
507	Octad	4	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0011F <sub>1</sub>	4.929(75) × 10 <sup>-2</sup>
508	Octad	5	3(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0011F <sub>1</sub>	-1.215(13) × 10 <sup>-3</sup>
509	Octad	5	3(3, 0A <sub>2</sub> )	0110F <sub>2</sub>	0011F <sub>1</sub>	1.408(77) × 10 <sup>-4</sup>
510	Octad	5	3(3, 0F <sub>1</sub> )	0110F <sub>2</sub>	0011F <sub>1</sub>	-1.124(14) × 10 <sup>-3</sup>
511	Octad	5	3(3, 0F <sub>2</sub> )	0110F <sub>2</sub>	0011F <sub>1</sub>	3.54(10) × 10 <sup>-4</sup>
512	Octad	2	0(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0011F <sub>2</sub>	0.0
513	Octad	3	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0011F <sub>2</sub>	1.495(20)
514	Octad	4	2(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0011F <sub>2</sub>	0.0
515	Octad	4	2(2, 0E )	0110F <sub>2</sub>	0011F <sub>2</sub>	2.193(73) × 10 <sup>-2</sup>
516	Octad	4	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0011F <sub>2</sub>	3.804(74) × 10 <sup>-2</sup>
517	Octad	5	3(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0011F <sub>2</sub>	-6.95(15) × 10 <sup>-4</sup>
518	Octad	5	3(3, 0F <sub>1</sub> )	0110F <sub>2</sub>	0011F <sub>2</sub>	0.0
519	Octad	5	3(3, 0F <sub>2</sub> )	0110F <sub>2</sub>	0011F <sub>2</sub>	-2.74(15) × 10 <sup>-4</sup>
520	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0300E	0.0
521	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0300E	-7.59(37) × 10 <sup>-3</sup>
522	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0300A <sub>1</sub>	-2.933(75) × 10 <sup>-1</sup>
523	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0300A <sub>2</sub>	-4.39(31) × 10 <sup>-3</sup>
524	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0300E	4.15(11) × 10 <sup>-1</sup>
525	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0300E	3.317(49) × 10 <sup>-2</sup>
526	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0300A <sub>1</sub>	-3.33(35) × 10 <sup>-3</sup>
527	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0300A <sub>2</sub>	-4.80(28) × 10 <sup>-2</sup>
528	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0201F <sub>2</sub>	-7.61(13) × 10 <sup>-1</sup>
529	Octad	5	2(2, 0E )	0110F <sub>1</sub>	0201F <sub>2</sub>	1.255(38) × 10 <sup>-2</sup>
530	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0201F <sub>2</sub>	1.515(58) × 10 <sup>-2</sup>
531	Octad	3	0(0, 0A <sub>1</sub> )	0110F <sub>1</sub>	0201F <sub>1</sub>	2.208(54)
532	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0201F <sub>1</sub>	-5.5(1.1) × 10 <sup>-2</sup>
533	Octad	5	2(0, 0A <sub>1</sub> )	0110F <sub>1</sub>	0201F <sub>1</sub>	-5.24(34) × 10 <sup>-3</sup>
534	Octad	5	2(2, 0E )	0110F <sub>1</sub>	0201F <sub>1</sub>	0.0
535	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0201F <sub>1</sub>	-1.680(50) × 10 <sup>-2</sup>
536	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0201F <sub>2</sub>	-3.76(13) × 10 <sup>-1</sup>
537	Octad	5	2(2, 0E )	0110F <sub>1</sub>	0201F <sub>2</sub>	-1.355(29) × 10 <sup>-2</sup>
538	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0201F <sub>2</sub>	-7.89(46) × 10 <sup>-3</sup>
539	Octad	3	0(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0201F <sub>2</sub>	7.938(72)
540	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0201F <sub>2</sub>	3.09(17) × 10 <sup>-1</sup>
541	Octad	5	2(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0201F <sub>2</sub>	-2.630(37) × 10 <sup>-2</sup>
542	Octad	5	2(2, 0E )	0110F <sub>2</sub>	0201F <sub>2</sub>	-1.031(45) × 10 <sup>-2</sup>
543	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0201F <sub>2</sub>	0.0
544	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0201F <sub>1</sub>	4.23(14) × 10 <sup>-1</sup>
545	Octad	5	2(2, 0E )	0110F <sub>2</sub>	0201F <sub>1</sub>	1.634(36) × 10 <sup>-2</sup>
546	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0201F <sub>1</sub>	0.0
547	Octad	3	0(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0201F <sub>2</sub>	0.0
548	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0201F <sub>2</sub>	2.0(1.1) × 10 <sup>-2</sup>
549	Octad	5	2(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0201F <sub>2</sub>	2.99(32) × 10 <sup>-3</sup>
550	Octad	5	2(2, 0E )	0110F <sub>2</sub>	0201F <sub>2</sub>	-9.28(40) × 10 <sup>-3</sup>
551	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0201F <sub>2</sub>	1.188(55) × 10 <sup>-2</sup>
552	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0102E	-6.18(26) × 10 <sup>-1</sup>
553	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0102E	4.865(71) × 10 <sup>-2</sup>
554	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0102A <sub>1</sub>	1.404(25)
555	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0102A <sub>2</sub>	-1.020(74) × 10 <sup>-2</sup>
556	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0102E	-1.83(24) × 10 <sup>-1</sup>
557	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0102E	8.16(63) × 10 <sup>-3</sup>
558	Octad	3	0(0, 0A <sub>1</sub> )	0110F <sub>1</sub>	0102F <sub>1</sub>	7.4(1.4) × 10 <sup>-1</sup>
559	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0102F <sub>1</sub>	0.0
560	Octad	5	2(0, 0A <sub>1</sub> )	0110F <sub>1</sub>	0102F <sub>1</sub>	4.39(41) × 10 <sup>-3</sup>



Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\}$ $C_1$	$\{s'\}$ $C_2$	Value / $\text{cm}^{-1}$
561	Octad	5	2(2, 0E)	0110F <sub>1</sub>	0102F <sub>1</sub>	0.0
562	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0102F <sub>1</sub>	2.089(65) × 10 <sup>-2</sup>
563	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0102F <sub>2</sub>	1.170(24)
564	Octad	5	2(2, 0E)	0110F <sub>1</sub>	0102F <sub>2</sub>	-6.84(53) × 10 <sup>-3</sup>
565	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0102F <sub>2</sub>	9.44(65) × 10 <sup>-3</sup>
566	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0102E	0.0
567	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0102E	-6.285(79) × 10 <sup>-2</sup>
568	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0102A <sub>1</sub>	3.01(78) × 10 <sup>-3</sup>
569	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0102A <sub>2</sub>	3.5(2.6) × 10 <sup>-2</sup>
570	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0102E	1.38(24) × 10 <sup>-1</sup>
571	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0102E	-4.379(81) × 10 <sup>-2</sup>
572	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0102F <sub>1</sub>	-6.67(29) × 10 <sup>-1</sup>
573	Octad	5	2(2, 0E)	0110F <sub>2</sub>	0102F <sub>1</sub>	3.77(47) × 10 <sup>-3</sup>
574	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0102F <sub>1</sub>	-2.830(71) × 10 <sup>-2</sup>
575	Octad	3	0(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0102F <sub>2</sub>	5.94(17)
576	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0102F <sub>2</sub>	-4.66(24) × 10 <sup>-1</sup>
577	Octad	5	2(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0102F <sub>2</sub>	0.0
578	Octad	5	2(2, 0E)	0110F <sub>2</sub>	0102F <sub>2</sub>	0.0
579	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0102F <sub>2</sub>	-1.439(78) × 10 <sup>-2</sup>
580	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0003F <sub>2</sub>	0.0
581	Octad	5	2(2, 0E)	0110F <sub>1</sub>	0003F <sub>2</sub>	0.0
582	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0003F <sub>2</sub>	-4.16(12) × 10 <sup>-2</sup>
583	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0003A <sub>1</sub>	-1.220(26)
584	Octad	3	0(0, 0A <sub>1</sub> )	0110F <sub>1</sub>	0003F <sub>1</sub>	0.0
585	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0003F <sub>1</sub>	1.131(28)
586	Octad	5	2(0, 0A <sub>1</sub> )	0110F <sub>1</sub>	0003F <sub>1</sub>	7.71(52) × 10 <sup>-3</sup>
587	Octad	5	2(2, 0E)	0110F <sub>1</sub>	0003F <sub>1</sub>	-1.263(80) × 10 <sup>-2</sup>
588	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0003F <sub>1</sub>	4.431(74) × 10 <sup>-2</sup>
589	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>1</sub>	0003F <sub>2</sub>	6.37(26) × 10 <sup>-1</sup>
590	Octad	5	2(2, 0E)	0110F <sub>1</sub>	0003F <sub>2</sub>	3.041(70) × 10 <sup>-2</sup>
591	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>1</sub>	0003F <sub>2</sub>	1.55(10) × 10 <sup>-2</sup>
592	Octad	3	0(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0003F <sub>2</sub>	-2.65(29)
593	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0003F <sub>2</sub>	-2.066(38)
594	Octad	5	2(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0003F <sub>2</sub>	-1.327(51) × 10 <sup>-2</sup>
595	Octad	5	2(2, 0E)	0110F <sub>2</sub>	0003F <sub>2</sub>	1.116(77) × 10 <sup>-2</sup>
596	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0003F <sub>2</sub>	0.0
597	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0003A <sub>1</sub>	0.0
598	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0003F <sub>1</sub>	8.11(37) × 10 <sup>-1</sup>
599	Octad	5	2(2, 0E)	0110F <sub>2</sub>	0003F <sub>1</sub>	-2.375(77) × 10 <sup>-2</sup>
600	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0003F <sub>1</sub>	0.0
601	Octad	3	0(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0003F <sub>2</sub>	1.57(36)
602	Octad	4	1(1, 0F <sub>1</sub> )	0110F <sub>2</sub>	0003F <sub>2</sub>	7.40(32) × 10 <sup>-1</sup>
603	Octad	5	2(0, 0A <sub>1</sub> )	0110F <sub>2</sub>	0003F <sub>2</sub>	-9.0(7.0) × 10 <sup>-4</sup>
604	Octad	5	2(2, 0E)	0110F <sub>2</sub>	0003F <sub>2</sub>	0.0
605	Octad	5	2(2, 0F <sub>2</sub> )	0110F <sub>2</sub>	0003F <sub>2</sub>	-3.31(11) × 10 <sup>-2</sup>
606	Octad	2	0(0, 0A <sub>1</sub> )	0011A <sub>1</sub>	0011A <sub>1</sub>	-8.820(40)
607	Octad	4	2(0, 0A <sub>1</sub> )	0011A <sub>1</sub>	0011A <sub>1</sub>	8.802(75) × 10 <sup>-2</sup>
608	Octad	4	2(2, 0E)	0011A <sub>1</sub>	0011E	1.799(40) × 10 <sup>-2</sup>
609	Octad	3	1(1, 0F <sub>1</sub> )	0011A <sub>1</sub>	0011F <sub>1</sub>	3.991(18) × 10 <sup>-1</sup>
610	Octad	5	3(1, 0F <sub>1</sub> )	0011A <sub>1</sub>	0011F <sub>1</sub>	9.0(1.3) × 10 <sup>-5</sup>
611	Octad	5	3(3, 0F <sub>1</sub> )	0011A <sub>1</sub>	0011F <sub>1</sub>	5.893(87) × 10 <sup>-4</sup>
612	Octad	4	2(2, 0F <sub>2</sub> )	0011A <sub>1</sub>	0011F <sub>2</sub>	4.182(40) × 10 <sup>-2</sup>
613	Octad	5	3(3, 0F <sub>2</sub> )	0011A <sub>1</sub>	0011F <sub>2</sub>	9.71(14) × 10 <sup>-4</sup>
614	Octad	2	0(0, 0A <sub>1</sub> )	0011E	0011E	-5.451(32)
615	Octad	4	2(0, 0A <sub>1</sub> )	0011E	0011E	5.489(56) × 10 <sup>-2</sup>
616	Octad	4	2(2, 0E)	0011E	0011E	3.442(53) × 10 <sup>-2</sup>
617	Octad	5	3(3, 0A <sub>2</sub> )	0011E	0011E	-6.703(76) × 10 <sup>-4</sup>
618	Octad	3	1(1, 0F <sub>1</sub> )	0011E	0011F <sub>1</sub>	2.236(13) × 10 <sup>-1</sup>
619	Octad	4	2(2, 0F <sub>2</sub> )	0011E	0011F <sub>1</sub>	0.0
620	Octad	5	3(1, 0F <sub>1</sub> )	0011E	0011F <sub>1</sub>	3.576(81) × 10 <sup>-4</sup>
621	Octad	5	3(3, 0F <sub>1</sub> )	0011E	0011F <sub>1</sub>	0.0
622	Octad	5	3(3, 0F <sub>2</sub> )	0011E	0011F <sub>1</sub>	-3.41(14) × 10 <sup>-4</sup>
623	Octad	3	1(1, 0F <sub>1</sub> )	0011E	0011F <sub>2</sub>	-3.386(38) × 10 <sup>-1</sup>
624	Octad	4	2(2, 0F <sub>2</sub> )	0011E	0011F <sub>2</sub>	-1.976(38) × 10 <sup>-2</sup>
625	Octad	5	3(1, 0F <sub>1</sub> )	0011E	0011F <sub>2</sub>	-8.1(1.4) × 10 <sup>-5</sup>
626	Octad	5	3(3, 0F <sub>1</sub> )	0011E	0011F <sub>2</sub>	-7.24(11) × 10 <sup>-4</sup>
627	Octad	5	3(3, 0F <sub>2</sub> )	0011E	0011F <sub>2</sub>	2.157(86) × 10 <sup>-4</sup>
628	Octad	2	0(0, 0A <sub>1</sub> )	0011F <sub>1</sub>	0011F <sub>1</sub>	-8.962(21)
629	Octad	3	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0011F <sub>1</sub>	3.718(16) × 10 <sup>-1</sup>
630	Octad	4	2(0, 0A <sub>1</sub> )	0011F <sub>1</sub>	0011F <sub>1</sub>	-2.789(37) × 10 <sup>-2</sup>
631	Octad	4	2(2, 0E)	0011F <sub>1</sub>	0011F <sub>1</sub>	4.178(38) × 10 <sup>-2</sup>
632	Octad	4	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0011F <sub>1</sub>	4.533(53) × 10 <sup>-2</sup>
633	Octad	5	3(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0011F <sub>1</sub>	0.0
634	Octad	5	3(3, 0F <sub>1</sub> )	0011F <sub>1</sub>	0011F <sub>1</sub>	-7.59(14) × 10 <sup>-4</sup>
635	Octad	3	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0011F <sub>2</sub>	1.317(22) × 10 <sup>-1</sup>
636	Octad	4	2(2, 0E)	0011F <sub>1</sub>	0011F <sub>2</sub>	-1.047(16) × 10 <sup>-2</sup>
637	Octad	4	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0011F <sub>2</sub>	-6.80(30) × 10 <sup>-3</sup>
638	Octad	5	3(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0011F <sub>2</sub>	1.009(11) × 10 <sup>-3</sup>
639	Octad	5	3(3, 0A <sub>2</sub> )	0011F <sub>1</sub>	0011F <sub>2</sub>	-3.087(75) × 10 <sup>-4</sup>
640	Octad	5	3(3, 0F <sub>1</sub> )	0011F <sub>1</sub>	0011F <sub>2</sub>	6.87(11) × 10 <sup>-4</sup>

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\}$ $C_1$	$\{s'\}$ $C_2$	Value / $\text{cm}^{-1}$
641	Octad	5	3(3, 0F <sub>2</sub> )	0011F <sub>1</sub>	0011F <sub>2</sub>	-2.97(12) × 10 <sup>-4</sup>
642	Octad	2	0(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0011F <sub>2</sub>	-12.084(21)
643	Octad	3	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0011F <sub>2</sub>	9.114(39) × 10 <sup>-1</sup>
644	Octad	4	2(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0011F <sub>2</sub>	-4.112(39) × 10 <sup>-2</sup>
645	Octad	4	2(2, 0E)	0011F <sub>2</sub>	0011F <sub>2</sub>	3.821(45) × 10 <sup>-2</sup>
646	Octad	4	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0011F <sub>2</sub>	-6.428(56) × 10 <sup>-2</sup>
647	Octad	5	3(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0011F <sub>2</sub>	4.27(15) × 10 <sup>-4</sup>
648	Octad	5	3(3, 0F <sub>1</sub> )	0011F <sub>2</sub>	0011F <sub>2</sub>	6.40(12) × 10 <sup>-4</sup>
649	Octad	5	2(2, 0E)	0011A <sub>1</sub>	0300E	0.0
650	Octad	3	0(0, 0A <sub>1</sub> )	0011A <sub>1</sub>	0300A <sub>1</sub>	1.51(24)
651	Octad	5	2(0, 0A <sub>1</sub> )	0011A <sub>1</sub>	0300A <sub>1</sub>	-1.059(49) × 10 <sup>-2</sup>
652	Octad	3	0(0, 0A <sub>1</sub> )	0011E	0300E	0.0
653	Octad	5	2(0, 0A <sub>1</sub> )	0011E	0300E	-7.09(52) × 10 <sup>-3</sup>
654	Octad	5	2(2, 0E)	0011E	0300E	1.375(54) × 10 <sup>-2</sup>
655	Octad	5	2(2, 0E)	0011E	0300A <sub>1</sub>	-2.527(37) × 10 <sup>-2</sup>
656	Octad	5	2(2, 0E)	0011E	0300A <sub>2</sub>	-7.36(36) × 10 <sup>-3</sup>
657	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0300E	-1.468(17)
658	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0300E	1.01(47) × 10 <sup>-3</sup>
659	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0300A <sub>1</sub>	0.0
660	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0300A <sub>2</sub>	1.277(51) × 10 <sup>-2</sup>
661	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0300E	7.86(24) × 10 <sup>-1</sup>
662	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0300E	3.733(43) × 10 <sup>-2</sup>
663	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0300A <sub>1</sub>	1.243(47) × 10 <sup>-2</sup>
664	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0300A <sub>2</sub>	3.45(17) × 10 <sup>-1</sup>
665	Octad	5	2(2, 0F <sub>2</sub> )	0011A <sub>1</sub>	0201F <sub>2</sub>	4.38(33) × 10 <sup>-3</sup>
666	Octad	4	1(1, 0F <sub>1</sub> )	0011A <sub>1</sub>	0201F <sub>1</sub>	1.51(12) × 10 <sup>-1</sup>
667	Octad	5	2(2, 0F <sub>2</sub> )	0011A <sub>1</sub>	0201F <sub>2</sub>	7.62(34) × 10 <sup>-3</sup>
668	Octad	4	1(1, 0F <sub>1</sub> )	0011E	0201F <sub>2</sub>	0.0
669	Octad	5	2(2, 0F <sub>2</sub> )	0011E	0201F <sub>2</sub>	3.256(45) × 10 <sup>-2</sup>
670	Octad	4	1(1, 0F <sub>1</sub> )	0011E	0201F <sub>1</sub>	-2.685(73) × 10 <sup>-1</sup>
671	Octad	5	2(2, 0F <sub>2</sub> )	0011E	0201F <sub>1</sub>	2.056(28) × 10 <sup>-2</sup>
672	Octad	4	1(1, 0F <sub>1</sub> )	0011E	0201F <sub>2</sub>	-6.30(71) × 10 <sup>-2</sup>
673	Octad	5	2(2, 0F <sub>2</sub> )	0011E	0201F <sub>2</sub>	0.0
674	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0201F <sub>2</sub>	0.0
675	Octad	5	2(2, 0E)	0011F <sub>1</sub>	0201F <sub>2</sub>	0.0
676	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0201F <sub>2</sub>	-7.57(50) × 10 <sup>-3</sup>
677	Octad	3	0(0, 0A <sub>1</sub> )	0011F <sub>1</sub>	0201F <sub>1</sub>	0.0
678	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0201F <sub>1</sub>	-4.693(43) × 10 <sup>-1</sup>
679	Octad	5	2(0, 0A <sub>1</sub> )	0011F <sub>1</sub>	0201F <sub>1</sub>	-2.00(30) × 10 <sup>-3</sup>
680	Octad	5	2(2, 0E)	0011F <sub>1</sub>	0201F <sub>1</sub>	-6.61(30) × 10 <sup>-3</sup>
681	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0201F <sub>1</sub>	0.0
682	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0201F <sub>2</sub>	-5.397(69) × 10 <sup>-1</sup>
683	Octad	5	2(2, 0E)	0011F <sub>1</sub>	0201F <sub>2</sub>	-1.488(27) × 10 <sup>-2</sup>
684	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0201F <sub>2</sub>	-1.551(40) × 10 <sup>-2</sup>
685	Octad	3	0(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0201F <sub>2</sub>	4.982(48)
686	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0201F <sub>2</sub>	-1.559(11)
687	Octad	5	2(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0201F <sub>2</sub>	-1.441(31) × 10 <sup>-2</sup>
688	Octad	5	2(2, 0E)	0011F <sub>2</sub>	0201F <sub>2</sub>	-5.16(43) × 10 <sup>-3</sup>
689	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0201F <sub>2</sub>	2.718(38) × 10 <sup>-2</sup>
690	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0201F <sub>1</sub>	-1.996(65) × 10 <sup>-1</sup>
691	Octad	5	2(2, 0E)	0011F <sub>2</sub>	0201F <sub>1</sub>	-1.066(31) × 10 <sup>-2</sup>
692	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0201F <sub>1</sub>	4.42(37) × 10 <sup>-3</sup>
693	Octad	3	0(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0201F <sub>2</sub>	-7.97(27) × 10 <sup>-1</sup>
694	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0201F <sub>2</sub>	-4.09(39) × 10 <sup>-2</sup>
695	Octad	5	2(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0201F <sub>2</sub>	3.91(26) × 10 <sup>-3</sup>
696	Octad	5	2(2, 0E)	0011F <sub>2</sub>	0201F <sub>2</sub>	-4.91(41) × 10 <sup>-3</sup>
697	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0201F <sub>2</sub>	0.0
698	Octad	5	2(2, 0E)	0011A <sub>1</sub>	0102E	0.0
699	Octad	3	0(0, 0A <sub>1</sub> )	0011A <sub>1</sub>	0102A <sub>1</sub>	0.0
700	Octad	5	2(0, 0A <sub>1</sub> )	0011A <sub>1</sub>	0102A <sub>1</sub>	0.0
701	Octad	5	2(2, 0E)	0011A <sub>1</sub>	0102E	-1.143(32) × 10 <sup>-2</sup>
702	Octad	4	1(1, 0F <sub>1</sub> )	0011A <sub>1</sub>	0102F <sub>1</sub>	-1.01(12) × 10 <sup>-1</sup>
703	Octad	5	2(2, 0F <sub>2</sub> )	0011A <sub>1</sub>	0102F <sub>2</sub>	-2.676(47) × 10 <sup>-2</sup>
704	Octad	3	0(0, 0A <sub>1</sub> )	0011E	0102E	1.01(14)
705	Octad	5	2(0, 0A <sub>1</sub> )	0011E	0102E	-3.68(48) × 10 <sup>-3</sup>
706	Octad	5	2(2, 0E)	0011E	0102E	1.598(44) × 10 <sup>-2</sup>
707	Octad	5	2(2, 0E)	0011E	0102A <sub>1</sub>	1.285(33) × 10 <sup>-2</sup>
708	Octad	5	2(2, 0E)	0011E	0102A <sub>2</sub>	1.082(42) × 10 <sup>-2</sup>
709	Octad	3	0(0, 0A <sub>1</sub> )	0011E	0102E	-6.153(79)
710	Octad	5	2(0, 0A <sub>1</sub> )	0011E	0102E	-1.370(43) × 10 <sup>-2</sup>
711	Octad	5	2(2, 0E)	0011E	0102E	-8.01(35) × 10 <sup>-3</sup>
712	Octad	4	1(1, 0F <sub>1</sub> )	0011E	0102F <sub>1</sub>	0.0
713	Octad	5	2(2, 0F <sub>2</sub> )	0011E	0102F <sub>1</sub>	0.0
714	Octad	4	1(1, 0F <sub>1</sub> )	0011E	0102F <sub>2</sub>	0.0
715	Octad	5	2(2, 0F <sub>2</sub> )	0011E	0102F <sub>2</sub>	3.628(60) × 10 <sup>-2</sup>
716	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0102E	2.96(17) × 10 <sup>-1</sup>
717	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0102E	0.0
718	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0102A <sub>1</sub>	1.198(96) × 10 <sup>-1</sup>
719	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0102A <sub>2</sub>	1.493(42) × 10 <sup>-2</sup>
720	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0102E	-8.5(1.3) × 10 <sup>-2</sup>

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\}$ $C_1$	$\{s'\}$ $C_2$	Value / $\text{cm}^{-1}$
721	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0102E	-6.46(42) × 10 <sup>-3</sup>
722	Octad	3	0(0, 0A <sub>1</sub> )	0011F <sub>1</sub>	0102F <sub>1</sub>	2.332(70)
723	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0102F <sub>1</sub>	-3.27(11) × 10 <sup>-1</sup>
724	Octad	5	2(0, 0A <sub>1</sub> )	0011F <sub>1</sub>	0102F <sub>1</sub>	-2.63(32) × 10 <sup>-3</sup>
725	Octad	5	2(2, 0E )	0011F <sub>1</sub>	0102F <sub>1</sub>	1.253(33) × 10 <sup>-2</sup>
726	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0102F <sub>1</sub>	2.52(46) × 10 <sup>-3</sup>
727	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0102F <sub>2</sub>	0.0
728	Octad	5	2(2, 0E )	0011F <sub>1</sub>	0102F <sub>2</sub>	5.19(40) × 10 <sup>-3</sup>
729	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0102F <sub>2</sub>	-1.856(38) × 10 <sup>-2</sup>
730	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0102E	-3.10(16) × 10 <sup>-1</sup>
731	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0102E	-2.045(44) × 10 <sup>-2</sup>
732	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0102A <sub>1</sub>	1.959(44) × 10 <sup>-2</sup>
733	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0102A <sub>2</sub>	0.0
734	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0102E	0.0
735	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0102E	-1.598(48) × 10 <sup>-2</sup>
736	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0102F <sub>1</sub>	-1.35(14) × 10 <sup>-1</sup>
737	Octad	5	2(2, 0E )	0011F <sub>2</sub>	0102F <sub>1</sub>	-1.76(33) × 10 <sup>-3</sup>
738	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0102F <sub>1</sub>	-2.47(36) × 10 <sup>-3</sup>
739	Octad	3	0(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0102F <sub>2</sub>	0.0
740	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0102F <sub>2</sub>	-8.87(16) × 10 <sup>-1</sup>
741	Octad	5	2(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0102F <sub>2</sub>	1.106(32) × 10 <sup>-2</sup>
742	Octad	5	2(2, 0E )	0011F <sub>2</sub>	0102F <sub>2</sub>	-2.956(30) × 10 <sup>-2</sup>
743	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0102F <sub>2</sub>	4.45(40) × 10 <sup>-3</sup>
744	Octad	5	2(2, 0F <sub>2</sub> )	0011A <sub>1</sub>	0003F <sub>2</sub>	-8.72(65) × 10 <sup>-3</sup>
745	Octad	3	0(0, 0A <sub>1</sub> )	0011A <sub>1</sub>	0003A <sub>1</sub>	3.96(24)
746	Octad	5	2(0, 0A <sub>1</sub> )	0011A <sub>1</sub>	0003A <sub>1</sub>	-1.281(44) × 10 <sup>-2</sup>
747	Octad	4	1(1, 0F <sub>1</sub> )	0011A <sub>1</sub>	0003F <sub>1</sub>	0.0
748	Octad	5	2(2, 0F <sub>2</sub> )	0011A <sub>1</sub>	0003F <sub>2</sub>	1.97(54) × 10 <sup>-3</sup>
749	Octad	4	1(1, 0F <sub>1</sub> )	0011E	0003F <sub>2</sub>	7.19(26) × 10 <sup>-1</sup>
750	Octad	5	2(2, 0F <sub>2</sub> )	0011E	0003F <sub>2</sub>	-2.574(82) × 10 <sup>-2</sup>
751	Octad	5	2(2, 0E )	0011E	0003A <sub>1</sub>	0.0
752	Octad	4	1(1, 0F <sub>1</sub> )	0011E	0003F <sub>1</sub>	0.0
753	Octad	5	2(2, 0F <sub>2</sub> )	0011E	0003F <sub>1</sub>	-3.464(58) × 10 <sup>-2</sup>
754	Octad	4	1(1, 0F <sub>1</sub> )	0011E	0003F <sub>2</sub>	-8.76(23) × 10 <sup>-1</sup>
755	Octad	5	2(2, 0F <sub>2</sub> )	0011E	0003F <sub>2</sub>	-3.71(67) × 10 <sup>-3</sup>
756	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0003F <sub>2</sub>	9.45(23) × 10 <sup>-1</sup>
757	Octad	5	2(2, 0E )	0011F <sub>1</sub>	0003F <sub>2</sub>	0.0
758	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0003F <sub>2</sub>	0.0
759	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0003A <sub>1</sub>	2.06(18) × 10 <sup>-1</sup>
760	Octad	3	0(0, 0A <sub>1</sub> )	0011F <sub>1</sub>	0003F <sub>1</sub>	-1.638(91)
761	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0003F <sub>1</sub>	0.0
762	Octad	5	2(0, 0A <sub>1</sub> )	0011F <sub>1</sub>	0003F <sub>1</sub>	0.0
763	Octad	5	2(2, 0E )	0011F <sub>1</sub>	0003F <sub>1</sub>	0.0
764	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0003F <sub>1</sub>	5.33(42) × 10 <sup>-3</sup>
765	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>1</sub>	0003F <sub>2</sub>	0.0
766	Octad	5	2(2, 0E )	0011F <sub>1</sub>	0003F <sub>2</sub>	6.41(35) × 10 <sup>-3</sup>
767	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>1</sub>	0003F <sub>2</sub>	1.002(51) × 10 <sup>-2</sup>
768	Octad	3	0(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0003F <sub>2</sub>	-1.88(16)
769	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0003F <sub>2</sub>	2.91(23) × 10 <sup>-1</sup>
770	Octad	5	2(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0003F <sub>2</sub>	1.690(36) × 10 <sup>-2</sup>
771	Octad	5	2(2, 0E )	0011F <sub>2</sub>	0003F <sub>2</sub>	0.0
772	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0003F <sub>2</sub>	-4.58(52) × 10 <sup>-3</sup>
773	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0003A <sub>1</sub>	0.0
774	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0003F <sub>1</sub>	0.0
775	Octad	5	2(2, 0E )	0011F <sub>2</sub>	0003F <sub>1</sub>	1.302(43) × 10 <sup>-2</sup>
776	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0003F <sub>1</sub>	3.24(48) × 10 <sup>-3</sup>
777	Octad	3	0(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0003F <sub>2</sub>	-4.81(45) × 10 <sup>-1</sup>
778	Octad	4	1(1, 0F <sub>1</sub> )	0011F <sub>2</sub>	0003F <sub>2</sub>	-5.0(2.0) × 10 <sup>-2</sup>
779	Octad	5	2(0, 0A <sub>1</sub> )	0011F <sub>2</sub>	0003F <sub>2</sub>	-2.50(34) × 10 <sup>-3</sup>
780	Octad	5	2(2, 0E )	0011F <sub>2</sub>	0003F <sub>2</sub>	2.91(39) × 10 <sup>-3</sup>
781	Octad	5	2(2, 0F <sub>2</sub> )	0011F <sub>2</sub>	0003F <sub>2</sub>	5.57(43) × 10 <sup>-3</sup>
782	Octad	4	0(0, 0A <sub>1</sub> )	0300E	0300E	1.074(42)
783	Octad	4	0(0, 0A <sub>1</sub> )	0300A <sub>1</sub>	0300A <sub>1</sub>	1.289(46) × 10 <sup>-1</sup>
784	Octad	4	0(0, 0A <sub>1</sub> )	0300A <sub>2</sub>	0300A <sub>2</sub>	-1.417(12) × 10 <sup>-1</sup>
785	Octad	5	1(1, 0F <sub>1</sub> )	0300E	0201F <sub>2</sub>	0.0
786	Octad	5	1(1, 0F <sub>1</sub> )	0300E	0201F <sub>1</sub>	0.0
787	Octad	5	1(1, 0F <sub>1</sub> )	0300E	0201F <sub>2</sub>	1.965(63) × 10 <sup>-1</sup>
788	Octad	5	1(1, 0F <sub>1</sub> )	0300A <sub>1</sub>	0201F <sub>1</sub>	0.0
789	Octad	5	1(1, 0F <sub>1</sub> )	0300A <sub>2</sub>	0201F <sub>2</sub>	0.0
790	Octad	5	1(1, 0F <sub>1</sub> )	0300A <sub>2</sub>	0201F <sub>2</sub>	-5.70(19) × 10 <sup>-2</sup>
791	Octad	4	0(0, 0A <sub>1</sub> )	0300E	0102E	4.24(13)
792	Octad	4	0(0, 0A <sub>1</sub> )	0300E	0102E	-2.29(10)
793	Octad	5	1(1, 0F <sub>1</sub> )	0300E	0102F <sub>1</sub>	3.864(64) × 10 <sup>-1</sup>
794	Octad	5	1(1, 0F <sub>1</sub> )	0300E	0102F <sub>2</sub>	-1.168(67) × 10 <sup>-1</sup>
795	Octad	4	0(0, 0A <sub>1</sub> )	0300A <sub>1</sub>	0102A <sub>1</sub>	2.483(95)
796	Octad	5	1(1, 0F <sub>1</sub> )	0300A <sub>1</sub>	0102F <sub>1</sub>	0.0
797	Octad	4	0(0, 0A <sub>1</sub> )	0300A <sub>2</sub>	0102A <sub>2</sub>	0.0
798	Octad	5	1(1, 0F <sub>1</sub> )	0300A <sub>2</sub>	0102F <sub>2</sub>	1.614(54) × 10 <sup>-1</sup>
799	Octad	5	1(1, 0F <sub>1</sub> )	0300E	0003F <sub>2</sub>	3.34(13) × 10 <sup>-1</sup>
800	Octad	5	1(1, 0F <sub>1</sub> )	0300E	0003F <sub>1</sub>	0.0

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\}$ $C_1$	$\{s'\}$ $C_2$	Value / $\text{cm}^{-1}$
801	Octad	5	1(1, 0F <sub>1</sub> )	0300E	0003F <sub>2</sub>	-3.684(97) × 10 <sup>-1</sup>
802	Octad	4	0(0, 0A <sub>1</sub> )	0300A <sub>1</sub>	0003A <sub>1</sub>	0.0
803	Octad	5	1(1, 0F <sub>1</sub> )	0300A <sub>1</sub>	0003F <sub>1</sub>	-1.65(11) × 10 <sup>-1</sup>
804	Octad	5	1(1, 0F <sub>1</sub> )	0300A <sub>2</sub>	0003F <sub>2</sub>	-2.33(17) × 10 <sup>-1</sup>
805	Octad	5	1(1, 0F <sub>1</sub> )	0300A <sub>2</sub>	0003F <sub>2</sub>	0.0
806	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>2</sub>	0201F <sub>2</sub>	2.168(41)
807	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0201F <sub>2</sub>	-2.566(75) × 10 <sup>-1</sup>
808	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0201F <sub>1</sub>	1.430(41) × 10 <sup>-1</sup>
809	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>2</sub>	0201F <sub>2</sub>	-3.835(68) × 10 <sup>-1</sup>
810	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0201F <sub>2</sub>	3.116(51) × 10 <sup>-1</sup>
811	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>1</sub>	0201F <sub>1</sub>	-3.553(41) × 10 <sup>-1</sup>
812	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0201F <sub>1</sub>	0.0
813	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0201F <sub>2</sub>	0.0
814	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>2</sub>	0201F <sub>2</sub>	-2.940(98) × 10 <sup>-1</sup>
815	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0201F <sub>2</sub>	-2.38(21) × 10 <sup>-2</sup>
816	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0102E	-1.05(65) × 10 <sup>-2</sup>
817	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0102A <sub>2</sub>	-1.277(30) × 10 <sup>-1</sup>
818	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0102E	1.856(59) × 10 <sup>-1</sup>
819	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0102F <sub>1</sub>	0.0
820	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>2</sub>	0102F <sub>2</sub>	-3.77(30) × 10 <sup>-1</sup>
821	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0102F <sub>2</sub>	0.0
822	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0102E	3.19(40) × 10 <sup>-2</sup>
823	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0102A <sub>1</sub>	1.029(37) × 10 <sup>-1</sup>
824	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0102E	0.0
825	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>1</sub>	0102F <sub>1</sub>	1.255(45)
826	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0102F <sub>1</sub>	3.58(36) × 10 <sup>-2</sup>
827	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0102F <sub>2</sub>	-2.43(44) × 10 <sup>-2</sup>
828	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0102E	1.782(53) × 10 <sup>-1</sup>
829	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0102A <sub>2</sub>	-8.5(3.3) × 10 <sup>-3</sup>
830	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0102E	0.0
831	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0102F <sub>1</sub>	8.07(46) × 10 <sup>-2</sup>
832	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>2</sub>	0102F <sub>2</sub>	1.219(44)
833	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0102F <sub>2</sub>	-9.03(37) × 10 <sup>-2</sup>
834	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>2</sub>	0003F <sub>2</sub>	0.0
835	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0003F <sub>2</sub>	0.0
836	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0003F <sub>1</sub>	-1.681(54) × 10 <sup>-1</sup>
837	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>2</sub>	0003F <sub>2</sub>	1.123(68)
838	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0003F <sub>2</sub>	0.0
839	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0003F <sub>2</sub>	0.0
840	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0003A <sub>1</sub>	-2.554(52) × 10 <sup>-1</sup>
841	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>1</sub>	0003F <sub>1</sub>	0.0
842	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0003F <sub>1</sub>	-1.154(63) × 10 <sup>-1</sup>
843	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>1</sub>	0003F <sub>2</sub>	-2.00(54) × 10 <sup>-2</sup>
844	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>2</sub>	0003F <sub>2</sub>	-9.16(97) × 10 <sup>-1</sup>
845	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0003F <sub>2</sub>	-1.469(95) × 10 <sup>-1</sup>
846	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0003F <sub>1</sub>	-6.06(58) × 10 <sup>-2</sup>
847	Octad	4	0(0, 0A <sub>1</sub> )	0201F <sub>2</sub>	0003F <sub>2</sub>	0.0
848	Octad	5	1(1, 0F <sub>1</sub> )	0201F <sub>2</sub>	0003F <sub>2</sub>	6.5(5.7) × 10 <sup>-3</sup>
849	Octad	4	0(0, 0A <sub>1</sub> )	0102E	0102E	-3.85(52) × 10 <sup>-1</sup>
850	Octad	4	0(0, 0A <sub>1</sub> )	0102E	0102E	3.53(23) × 10 <sup>-1</sup>
851	Octad	5	1(1, 0F <sub>1</sub> )	0102E	0102F <sub>1</sub>	7.3(3.2) × 10 <sup>-3</sup>
852	Octad	5	1(1, 0F <sub>1</sub> )	0102E	0102F <sub>2</sub>	-5.41(35) × 10 <sup>-2</sup>
853	Octad	4	0(0, 0A <sub>1</sub> )	0102A <sub>1</sub>	0102A <sub>1</sub>	8.43(28) × 10 <sup>-1</sup>
854	Octad	5	1(1, 0F <sub>1</sub> )	0102A <sub>1</sub>	0102F <sub>1</sub>	1.128(26) × 10 <sup>-1</sup>
855	Octad	4	0(0, 0A <sub>1</sub> )	0102A <sub>2</sub>	0102A <sub>2</sub>	-3.28(44) × 10 <sup>-2</sup>
856	Octad	5	1(1, 0F <sub>1</sub> )	0102A <sub>2</sub>	0102F <sub>2</sub>	-9.55(25) × 10 <sup>-2</sup>
857	Octad	4	0(0, 0A <sub>1</sub> )	0102E	0102E	-1.74(10) × 10 <sup>-1</sup>
858	Octad	5	1(1, 0F <sub>1</sub> )	0102E	0102F <sub>1</sub>	4.80(21) × 10 <sup>-2</sup>
859	Octad	5	1(1, 0F <sub>1</sub> )	0102E	0102F <sub>2</sub>	1.183(26) × 10 <sup>-1</sup>
860	Octad	4	0(0, 0A <sub>1</sub> )	0102F <sub>1</sub>	0102F <sub>1</sub>	-7.2(1.8) × 10 <sup>-2</sup>
861	Octad	5	1(1, 0F <sub>1</sub> )	0102F <sub>1</sub>	0102F <sub>1</sub>	3.91(14) × 10 <sup>-2</sup>
862	Octad	5	1(1, 0F <sub>1</sub> )	0102F <sub>1</sub>	0102F <sub>2</sub>	-8.34(21) × 10 <sup>-2</sup>
863	Octad	4	0(0, 0A <sub>1</sub> )	0102F <sub>2</sub>	0102F <sub>2</sub>	-5.66(14) × 10 <sup>-1</sup>
864	Octad	5	1(1, 0F <sub>1</sub> )	0102F <sub>2</sub>	0102F <sub>2</sub>	0.0
865	Octad	5	1(1, 0F <sub>1</sub> )	0102E	0003F <sub>2</sub>	0.0
866	Octad	5	1(1, 0F <sub>1</sub> )	0102E	0003F <sub>1</sub>	-1.830(42) × 10 <sup>-1</sup>
867	Octad	5	1(1, 0F <sub>1</sub> )	0102E	0003F <sub>2</sub>	4.60(50) × 10 <sup>-2</sup>
868	Octad	4	0(0, 0A <sub>1</sub> )	0102A <sub>1</sub>	0003A <sub>1</sub>	-4.43(30) × 10 <sup>-1</sup>
869	Octad	5	1(1, 0F <sub>1</sub> )	0102A <sub>1</sub>	0003F <sub>1</sub>	0.0
870	Octad	5	1(1, 0F <sub>1</sub> )	0102A <sub>2</sub>	0003F <sub>2</sub>	-1.456(46) × 10 <sup>-1</sup>
871	Octad	5	1(1, 0F <sub>1</sub> )	0102A <sub>2</sub>	0003F <sub>2</sub>	-1.012(25) × 10 <sup>-1</sup>
872	Octad	5	1(1, 0F <sub>1</sub> )	0102E	0003F <sub>2</sub>	-2.594(62) × 10 <sup>-1</sup>
873	Octad	5	1(1, 0F <sub>1</sub> )	0102E	0003F <sub>1</sub>	-6.23(30) × 10 <sup>-2</sup>
874	Octad	5	1(1, 0F <sub>1</sub> )	0102E	0003F <sub>2</sub>	-5.40(31) × 10 <sup>-2</sup>
875	Octad	5	1(1, 0F <sub>1</sub> )	0102F <sub>1</sub>	0003F <sub>2</sub>	0.0
876	Octad	5	1(1, 0F <sub>1</sub> )	0102F <sub>1</sub>	0003A <sub>1</sub>	0.0
877	Octad	4	0(0, 0A <sub>1</sub> )	0102F <sub>1</sub>	0003F <sub>1</sub>	0.0
878	Octad	5	1(1, 0F <sub>1</sub> )	0102F <sub>1</sub>	0003F <sub>1</sub>	0.0
879	Octad	5	1(1, 0F <sub>1</sub> )	0102F <sub>1</sub>	0003F <sub>2</sub>	0.0
880	Octad	4	0(0, 0A <sub>1</sub> )	0102F <sub>2</sub>	0003F <sub>2</sub>	1.110(38)

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
881	Octad	5	1(1, 0F <sub>1</sub> )	0102F <sub>2</sub>	0003F <sub>2</sub>	1.258(46) × 10 <sup>-1</sup>
882	Octad	5	1(1, 0F <sub>1</sub> )	0102F <sub>2</sub>	0003F <sub>1</sub>	-1.026(27) × 10 <sup>-1</sup>
883	Octad	4	0(0, 0A <sub>1</sub> )	0102F <sub>2</sub>	0003F <sub>2</sub>	3.98(23) × 10 <sup>-1</sup>
884	Octad	5	1(1, 0F <sub>1</sub> )	0102F <sub>2</sub>	0003F <sub>2</sub>	1.288(50) × 10 <sup>-1</sup>
885	Octad	4	0(0, 0A <sub>1</sub> )	0003F <sub>2</sub>	0003F <sub>2</sub>	8.89(15) × 10 <sup>-1</sup>
886	Octad	5	1(1, 0F <sub>1</sub> )	0003F <sub>2</sub>	0003F <sub>2</sub>	0.0
887	Octad	5	1(1, 0F <sub>1</sub> )	0003F <sub>2</sub>	0003F <sub>1</sub>	6.05(29) × 10 <sup>-2</sup>
888	Octad	4	0(0, 0A <sub>1</sub> )	0003F <sub>2</sub>	0003F <sub>2</sub>	5.48(15) × 10 <sup>-1</sup>
889	Octad	5	1(1, 0F <sub>1</sub> )	0003F <sub>2</sub>	0003F <sub>2</sub>	0.0
890	Octad	4	0(0, 0A <sub>1</sub> )	0003A <sub>1</sub>	0003A <sub>1</sub>	-7.89(41) × 10 <sup>-1</sup>
891	Octad	5	1(1, 0F <sub>1</sub> )	0003A <sub>1</sub>	0003F <sub>1</sub>	5.08(20) × 10 <sup>-2</sup>
892	Octad	4	0(0, 0A <sub>1</sub> )	0003F <sub>1</sub>	0003F <sub>1</sub>	4.34(15) × 10 <sup>-1</sup>
893	Octad	5	1(1, 0F <sub>1</sub> )	0003F <sub>1</sub>	0003F <sub>1</sub>	-2.148(94) × 10 <sup>-2</sup>
894	Octad	5	1(1, 0F <sub>1</sub> )	0003F <sub>1</sub>	0003F <sub>2</sub>	4.77(11) × 10 <sup>-2</sup>
895	Octad	4	0(0, 0A <sub>1</sub> )	0003F <sub>2</sub>	0003F <sub>2</sub>	0.0
896	Octad	5	1(1, 0F <sub>1</sub> )	0003F <sub>2</sub>	0003F <sub>2</sub>	-7.61(30) × 10 <sup>-2</sup>
897	Tetradecad	2	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	2000A <sub>1</sub>	26.3(1.6)
898	Tetradecad	4	2(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	2000A <sub>1</sub>	0.0
899	Tetradecad	4	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	1010F <sub>2</sub>	0.0
900	Tetradecad	5	3(3, 0F <sub>2</sub> )	2000A <sub>1</sub>	1010F <sub>2</sub>	7.3(1.4) × 10 <sup>-4</sup>
901	Tetradecad	3	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	1200A <sub>1</sub>	12.67(51)
902	Tetradecad	5	2(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	1200A <sub>1</sub>	0.0
903	Tetradecad	5	2(2, 0E )	2000A <sub>1</sub>	1200E	0.0
904	Tetradecad	4	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	1101F <sub>1</sub>	0.0
905	Tetradecad	5	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	1101F <sub>2</sub>	0.0
906	Tetradecad	3	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	1002A <sub>1</sub>	3.3(1.2)
907	Tetradecad	5	2(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	1002A <sub>1</sub>	0.0
908	Tetradecad	5	2(2, 0E )	2000A <sub>1</sub>	1002E	0.0
909	Tetradecad	5	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	1002F <sub>2</sub>	0.0
910	Tetradecad	2	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0020A <sub>1</sub>	-86.13(31)
911	Tetradecad	4	2(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0020A <sub>1</sub>	0.0
912	Tetradecad	4	2(2, 0E )	2000A <sub>1</sub>	0020E	1.24(19) × 10 <sup>-2</sup>
913	Tetradecad	4	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	0020F <sub>2</sub>	-4.5(1.2) × 10 <sup>-3</sup>
914	Tetradecad	5	3(3, 0F <sub>2</sub> )	2000A <sub>1</sub>	0020F <sub>2</sub>	0.0
915	Tetradecad	5	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	0210F <sub>2</sub>	1.18(28) × 10 <sup>-2</sup>
916	Tetradecad	4	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0210F <sub>1</sub>	0.0
917	Tetradecad	5	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	0210F <sub>2</sub>	0.0
918	Tetradecad	5	2(2, 0E )	2000A <sub>1</sub>	0111E	0.0
919	Tetradecad	4	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0111F <sub>1</sub>	1.910(40)
920	Tetradecad	5	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	0111F <sub>2</sub>	0.0
921	Tetradecad	3	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0111A <sub>1</sub>	6.51(27)
922	Tetradecad	5	2(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0111A <sub>1</sub>	0.0
923	Tetradecad	5	2(2, 0E )	2000A <sub>1</sub>	0111E	0.0
924	Tetradecad	4	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0111F <sub>1</sub>	0.0
925	Tetradecad	5	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	0111F <sub>2</sub>	0.0
926	Tetradecad	5	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	0012F <sub>2</sub>	0.0
927	Tetradecad	4	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0012F <sub>1</sub>	0.0
928	Tetradecad	5	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	0012F <sub>2</sub>	0.0
929	Tetradecad	3	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0012A <sub>1</sub>	42.00(73)
930	Tetradecad	5	2(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0012A <sub>1</sub>	0.0
931	Tetradecad	5	2(2, 0E )	2000A <sub>1</sub>	0012E	0.0
932	Tetradecad	4	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0012F <sub>1</sub>	2.279(77)
933	Tetradecad	5	2(2, 0F <sub>2</sub> )	2000A <sub>1</sub>	0012F <sub>2</sub>	0.0
934	Tetradecad	4	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0400A <sub>1</sub>	0.0
935	Tetradecad	5	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0301F <sub>1</sub>	0.0
936	Tetradecad	5	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0301F <sub>1</sub>	0.0
937	Tetradecad	4	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0202A <sub>1</sub>	0.0
938	Tetradecad	4	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0202A <sub>1</sub>	0.0
939	Tetradecad	5	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0202F <sub>1</sub>	0.0
940	Tetradecad	5	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0103F <sub>1</sub>	0.0
941	Tetradecad	5	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0103F <sub>1</sub>	0.0
942	Tetradecad	5	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0103F <sub>1</sub>	0.0
943	Tetradecad	4	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0004A <sub>1</sub>	0.0
944	Tetradecad	4	0(0, 0A <sub>1</sub> )	2000A <sub>1</sub>	0004A <sub>1</sub>	0.0
945	Tetradecad	5	1(1, 0F <sub>1</sub> )	2000A <sub>1</sub>	0004F <sub>1</sub>	0.0
946	Tetradecad	2	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	1010F <sub>2</sub>	-68.80(25)
947	Tetradecad	3	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	1010F <sub>2</sub>	7.08(28) × 10 <sup>-1</sup>
948	Tetradecad	4	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	1010F <sub>2</sub>	0.0
949	Tetradecad	4	2(2, 0E )	1010F <sub>2</sub>	1010F <sub>2</sub>	0.0
950	Tetradecad	4	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	1010F <sub>2</sub>	0.0
951	Tetradecad	5	3(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	1010F <sub>2</sub>	0.0
952	Tetradecad	5	3(3, 0F <sub>1</sub> )	1010F <sub>2</sub>	1010F <sub>2</sub>	-7.84(35) × 10 <sup>-4</sup>
953	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	1200A <sub>1</sub>	0.0
954	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	1200E	0.0
955	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	1200E	0.0
956	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	1101F <sub>1</sub>	0.0
957	Tetradecad	5	2(2, 0E )	1010F <sub>2</sub>	1101F <sub>1</sub>	0.0
958	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	1101F <sub>1</sub>	-6.44(21) × 10 <sup>-2</sup>
959	Tetradecad	3	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	1101F <sub>2</sub>	3.36(10)
960	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	1101F <sub>2</sub>	0.0

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC')$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
961	Tetradecad	5	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	1101F <sub>2</sub>	0.0
962	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	1101F <sub>2</sub>	0.0
963	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	1101F <sub>2</sub>	0.0
964	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	1002A <sub>1</sub>	0.0
965	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	1002E	0.0
966	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	1002E	0.0
967	Tetradecad	3	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	1002F <sub>2</sub>	21.15(52)
968	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	1002F <sub>2</sub>	0.0
969	Tetradecad	5	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	1002F <sub>2</sub>	0.0
970	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	1002F <sub>2</sub>	0.0
971	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	1002F <sub>2</sub>	0.0
972	Tetradecad	4	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0020A <sub>1</sub>	2.03(43) × 10 <sup>-2</sup>
973	Tetradecad	5	3(3, 0F <sub>2</sub> )	1010F <sub>2</sub>	0020A <sub>1</sub>	-1.70(20) × 10 <sup>-3</sup>
974	Tetradecad	3	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0020E	-1.142(58)
975	Tetradecad	4	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0020E	4.70(18) × 10 <sup>-2</sup>
976	Tetradecad	5	3(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0020E	0.0
977	Tetradecad	5	3(3, 0F <sub>1</sub> )	1010F <sub>2</sub>	0020E	0.0
978	Tetradecad	5	3(3, 0F <sub>2</sub> )	1010F <sub>2</sub>	0020E	0.0
979	Tetradecad	2	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0020F <sub>2</sub>	28.14(34)
980	Tetradecad	3	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0020F <sub>2</sub>	3.078(31)
981	Tetradecad	4	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0020F <sub>2</sub>	-8.51(49) × 10 <sup>-3</sup>
982	Tetradecad	4	2(2, 0E)	1010F <sub>2</sub>	0020F <sub>2</sub>	0.0
983	Tetradecad	4	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0020F <sub>2</sub>	0.0
984	Tetradecad	5	3(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0020F <sub>2</sub>	0.0
985	Tetradecad	5	3(3, 0F <sub>1</sub> )	1010F <sub>2</sub>	0020F <sub>2</sub>	-4.82(20) × 10 <sup>-4</sup>
986	Tetradecad	5	3(3, 0F <sub>2</sub> )	1010F <sub>2</sub>	0020F <sub>2</sub>	0.0
987	Tetradecad	3	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0210F <sub>2</sub>	-4.05(29)
988	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0210F <sub>2</sub>	1.753(88) × 10 <sup>-1</sup>
989	Tetradecad	5	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0210F <sub>2</sub>	0.0
990	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0210F <sub>2</sub>	0.0
991	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0210F <sub>2</sub>	0.0
992	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0210F <sub>1</sub>	0.0
993	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0210F <sub>1</sub>	2.139(47) × 10 <sup>-2</sup>
994	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0210F <sub>1</sub>	0.0
995	Tetradecad	3	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0210F <sub>2</sub>	3.64(11)
996	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0210F <sub>2</sub>	2.30(11) × 10 <sup>-1</sup>
997	Tetradecad	5	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0210F <sub>2</sub>	0.0
998	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0210F <sub>2</sub>	0.0
999	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0210F <sub>2</sub>	0.0
1000	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0111A <sub>2</sub>	0.0
1001	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0111E	2.42(23) × 10 <sup>-1</sup>
1002	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0111E	1.766(79) × 10 <sup>-2</sup>
1003	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0111F <sub>1</sub>	0.0
1004	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0111F <sub>1</sub>	0.0
1005	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0111F <sub>1</sub>	-3.622(61) × 10 <sup>-2</sup>
1006	Tetradecad	3	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0111F <sub>2</sub>	4.189(81)
1007	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0111F <sub>2</sub>	0.0
1008	Tetradecad	5	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0111F <sub>2</sub>	0.0
1009	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0111F <sub>2</sub>	0.0
1010	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0111F <sub>2</sub>	0.0
1011	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0111A <sub>1</sub>	2.847(95) × 10 <sup>-2</sup>
1012	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0111E	-7.63(16) × 10 <sup>-1</sup>
1013	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0111E	0.0
1014	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0111F <sub>1</sub>	-4.51(27) × 10 <sup>-1</sup>
1015	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0111F <sub>1</sub>	0.0
1016	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0111F <sub>1</sub>	0.0
1017	Tetradecad	3	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0111F <sub>2</sub>	0.0
1018	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0111F <sub>2</sub>	9.29(27) × 10 <sup>-1</sup>
1019	Tetradecad	5	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0111F <sub>2</sub>	0.0
1020	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0111F <sub>2</sub>	0.0
1021	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0111F <sub>2</sub>	0.0
1022	Tetradecad	3	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	0.0
1023	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	-4.1(2.8) × 10 <sup>-2</sup>
1024	Tetradecad	5	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	0.0
1025	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0012F <sub>2</sub>	2.59(13) × 10 <sup>-2</sup>
1026	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	4.27(13) × 10 <sup>-2</sup>
1027	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>1</sub>	1.374(38)
1028	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0012F <sub>1</sub>	0.0
1029	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0012F <sub>1</sub>	0.0
1030	Tetradecad	3	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	1.5(3.2) × 10 <sup>-1</sup>
1031	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	2.411(55)
1032	Tetradecad	5	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	0.0
1033	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0012F <sub>2</sub>	0.0
1034	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	-3.96(26) × 10 <sup>-2</sup>
1035	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0012A <sub>1</sub>	0.0
1036	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0012E	-3.92(52) × 10 <sup>-1</sup>
1037	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0012E	0.0
1038	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>1</sub>	0.0
1039	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0012F <sub>1</sub>	0.0
1040	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0012F <sub>1</sub>	0.0



Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1041	Tetradecad	3	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	0.0
1042	Tetradecad	4	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	0.0
1043	Tetradecad	5	2(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	0.0
1044	Tetradecad	5	2(2, 0E)	1010F <sub>2</sub>	0012F <sub>2</sub>	-6.94(21) × 10 <sup>-2</sup>
1045	Tetradecad	5	2(2, 0F <sub>2</sub> )	1010F <sub>2</sub>	0012F <sub>2</sub>	0.0
1046	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0400E	0.0
1047	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0400E	0.0
1048	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0301F <sub>1</sub>	0.0
1049	Tetradecad	4	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0301F <sub>2</sub>	0.0
1050	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0301F <sub>2</sub>	0.0
1051	Tetradecad	4	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0301F <sub>2</sub>	0.0
1052	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0301F <sub>2</sub>	0.0
1053	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0301F <sub>1</sub>	2.12(14) × 10 <sup>-1</sup>
1054	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0202E	0.0
1055	Tetradecad	4	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0202F <sub>2</sub>	-6.99(23)
1056	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0202F <sub>2</sub>	0.0
1057	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0202E	0.0
1058	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0202A <sub>2</sub>	0.0
1059	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0202E	0.0
1060	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0202F <sub>1</sub>	0.0
1061	Tetradecad	4	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0202F <sub>2</sub>	3.47(17)
1062	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0202F <sub>2</sub>	0.0
1063	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0103F <sub>1</sub>	0.0
1064	Tetradecad	4	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0103F <sub>2</sub>	0.0
1065	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0103F <sub>2</sub>	0.0
1066	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0103E	0.0
1067	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0103F <sub>1</sub>	0.0
1068	Tetradecad	4	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0103F <sub>2</sub>	0.0
1069	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0103F <sub>2</sub>	-4.0(1.4) × 10 <sup>-1</sup>
1070	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0103F <sub>1</sub>	0.0
1071	Tetradecad	4	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0103F <sub>2</sub>	0.0
1072	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0103F <sub>2</sub>	0.0
1073	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0004E	0.0
1074	Tetradecad	4	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0004F <sub>2</sub>	0.0
1075	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0004F <sub>2</sub>	0.0
1076	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0004E	0.0
1077	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0004F <sub>1</sub>	0.0
1078	Tetradecad	4	0(0, 0A <sub>1</sub> )	1010F <sub>2</sub>	0004F <sub>2</sub>	0.0
1079	Tetradecad	5	1(1, 0F <sub>1</sub> )	1010F <sub>2</sub>	0004F <sub>2</sub>	0.0
1080	Tetradecad	4	0(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	1200A <sub>1</sub>	0.0
1081	Tetradecad	4	0(0, 0A <sub>1</sub> )	1200E	1200E	0.0
1082	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200A <sub>1</sub>	1101F <sub>1</sub>	0.0
1083	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	1101F <sub>1</sub>	0.0
1084	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	1101F <sub>2</sub>	0.0
1085	Tetradecad	4	0(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	1002A <sub>1</sub>	0.0
1086	Tetradecad	4	0(0, 0A <sub>1</sub> )	1200E	1002E	-8.98(47)
1087	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	1002F <sub>2</sub>	0.0
1088	Tetradecad	3	0(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	0020A <sub>1</sub>	-17.78(54)
1089	Tetradecad	5	2(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	0020A <sub>1</sub>	0.0
1090	Tetradecad	5	2(2, 0E)	1200A <sub>1</sub>	0020E	0.0
1091	Tetradecad	5	2(2, 0F <sub>2</sub> )	1200A <sub>1</sub>	0020F <sub>2</sub>	0.0
1092	Tetradecad	5	2(2, 0E)	1200E	0020A <sub>1</sub>	0.0
1093	Tetradecad	3	0(0, 0A <sub>1</sub> )	1200E	0020E	-5.85(21)
1094	Tetradecad	5	2(0, 0A <sub>1</sub> )	1200E	0020E	0.0
1095	Tetradecad	5	2(2, 0E)	1200E	0020E	0.0
1096	Tetradecad	4	1(1, 0F <sub>1</sub> )	1200E	0020F <sub>2</sub>	-5.49(15) × 10 <sup>-1</sup>
1097	Tetradecad	5	2(2, 0F <sub>2</sub> )	1200E	0020F <sub>2</sub>	0.0
1098	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200A <sub>1</sub>	0210F <sub>1</sub>	0.0
1099	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0210F <sub>2</sub>	0.0
1100	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0210F <sub>1</sub>	0.0
1101	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0210F <sub>2</sub>	-3.33(26) × 10 <sup>-1</sup>
1102	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200A <sub>1</sub>	0111F <sub>1</sub>	0.0
1103	Tetradecad	4	0(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	0111A <sub>1</sub>	-23.03(37)
1104	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200A <sub>1</sub>	0111F <sub>1</sub>	0.0
1105	Tetradecad	4	0(0, 0A <sub>1</sub> )	1200E	0111E	1.8(1.4) × 10 <sup>-1</sup>
1106	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0111F <sub>1</sub>	0.0
1107	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0111F <sub>2</sub>	0.0
1108	Tetradecad	4	0(0, 0A <sub>1</sub> )	1200E	0111E	0.0
1109	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0111F <sub>1</sub>	0.0
1110	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0111F <sub>2</sub>	0.0
1111	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200A <sub>1</sub>	0012F <sub>1</sub>	3.522(64)
1112	Tetradecad	4	0(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	0012A <sub>1</sub>	44.26(99)
1113	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200A <sub>1</sub>	0012F <sub>1</sub>	0.0
1114	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0012F <sub>2</sub>	0.0
1115	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0012F <sub>1</sub>	0.0
1116	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0012F <sub>2</sub>	0.0
1117	Tetradecad	4	0(0, 0A <sub>1</sub> )	1200E	0012E	0.0
1118	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0012F <sub>1</sub>	0.0
1119	Tetradecad	5	1(1, 0F <sub>1</sub> )	1200E	0012F <sub>2</sub>	0.0
1120	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	0400A <sub>1</sub>	0.0

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC')$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1121	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200E	0400E	0.0
1122	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200E	0400E	0.0
1123	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	0202A <sub>1</sub>	0.0
1124	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	0202A <sub>1</sub>	0.0
1125	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200E	0202E	0.0
1126	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200E	0202E	0.0
1127	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200E	0202E	0.0
1128	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200E	0103E	0.0
1129	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	0004A <sub>1</sub>	24.5(1.5)
1130	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200A <sub>1</sub>	0004A <sub>1</sub>	-8.9(1.8)
1131	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200E	0004E	0.0
1132	Tetradecad	5	0(0, 0A <sub>1</sub> )	1200E	0004E	0.0
1133	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	1101F <sub>1</sub>	-1.39(16)
1134	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	1101F <sub>1</sub>	1.046(34)
1135	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	1101F <sub>2</sub>	-5.33(24) × 10 <sup>-1</sup>
1136	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	1101F <sub>2</sub>	0.0
1137	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	1101F <sub>2</sub>	0.0
1138	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	1002A <sub>1</sub>	0.0
1139	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	1002E	0.0
1140	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	1002F <sub>2</sub>	-2.257(73)
1141	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	1002E	0.0
1142	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	1002F <sub>2</sub>	0.0
1143	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	1002F <sub>2</sub>	0.0
1144	Tetradecad	4	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0020A <sub>1</sub>	0.0
1145	Tetradecad	4	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0020E	0.0
1146	Tetradecad	5	2(2, 0F <sub>2</sub> )	1101F <sub>1</sub>	0020E	0.0
1147	Tetradecad	4	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0020F <sub>2</sub>	0.0
1148	Tetradecad	5	2(2, 0E)	1101F <sub>1</sub>	0020F <sub>2</sub>	0.0
1149	Tetradecad	5	2(2, 0F <sub>2</sub> )	1101F <sub>1</sub>	0020F <sub>2</sub>	2.47(13) × 10 <sup>-2</sup>
1150	Tetradecad	5	2(2, 0F <sub>2</sub> )	1101F <sub>2</sub>	0020A <sub>1</sub>	0.0
1151	Tetradecad	4	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0020E	-3.25(64) × 10 <sup>-1</sup>
1152	Tetradecad	5	2(2, 0F <sub>2</sub> )	1101F <sub>2</sub>	0020E	0.0
1153	Tetradecad	3	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0020F <sub>2</sub>	5.92(22)
1154	Tetradecad	4	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0020F <sub>2</sub>	-3.89(26) × 10 <sup>-1</sup>
1155	Tetradecad	5	2(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0020F <sub>2</sub>	0.0
1156	Tetradecad	5	2(2, 0E)	1101F <sub>2</sub>	0020F <sub>2</sub>	0.0
1157	Tetradecad	5	2(2, 0F <sub>2</sub> )	1101F <sub>2</sub>	0020F <sub>2</sub>	3.06(16) × 10 <sup>-2</sup>
1158	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0210F <sub>2</sub>	0.0
1159	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0210F <sub>1</sub>	6.1(2.2) × 10 <sup>-1</sup>
1160	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0210F <sub>1</sub>	0.0
1161	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0210F <sub>2</sub>	0.0
1162	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0210F <sub>2</sub>	0.0
1163	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0210F <sub>2</sub>	0.0
1164	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0210F <sub>1</sub>	0.0
1165	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0210F <sub>2</sub>	-4.49(19)
1166	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0210F <sub>2</sub>	0.0
1167	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0111E	-7.84(29) × 10 <sup>-1</sup>
1168	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0111F <sub>1</sub>	0.0
1169	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0111F <sub>1</sub>	6.66(16) × 10 <sup>-1</sup>
1170	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0111F <sub>2</sub>	0.0
1171	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0111A <sub>1</sub>	0.0
1172	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0111E	0.0
1173	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0111F <sub>1</sub>	3.250(72)
1174	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0111F <sub>1</sub>	0.0
1175	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0111F <sub>2</sub>	6.95(21) × 10 <sup>-1</sup>
1176	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0111A <sub>2</sub>	2.53(15) × 10 <sup>-1</sup>
1177	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0111E	0.0
1178	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0111F <sub>1</sub>	0.0
1179	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0111F <sub>2</sub>	-1.295(57)
1180	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0111F <sub>2</sub>	0.0
1181	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0111E	0.0
1182	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0111F <sub>1</sub>	0.0
1183	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0111F <sub>2</sub>	1.76(61) × 10 <sup>-1</sup>
1184	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0111F <sub>2</sub>	0.0
1185	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0012F <sub>2</sub>	0.0
1186	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0012F <sub>1</sub>	-6.17(14)
1187	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0012F <sub>1</sub>	0.0
1188	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0012F <sub>2</sub>	0.0
1189	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0012A <sub>1</sub>	0.0
1190	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0012E	0.0
1191	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0012F <sub>1</sub>	3.14(26)
1192	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0012F <sub>1</sub>	0.0
1193	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>1</sub>	0012F <sub>2</sub>	0.0
1194	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0012F <sub>2</sub>	-4.52(17)
1195	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0012F <sub>2</sub>	0.0
1196	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0012F <sub>1</sub>	0.0
1197	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0012F <sub>2</sub>	-1.06(10)
1198	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0012F <sub>2</sub>	0.0
1199	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0012E	0.0
1200	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0012F <sub>1</sub>	0.0

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1201	Tetradecad	4	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0012F <sub>2</sub>	0.0
1202	Tetradecad	5	1(1, 0F <sub>1</sub> )	1101F <sub>2</sub>	0012F <sub>2</sub>	0.0
1203	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0301F <sub>1</sub>	0.0
1204	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0301F <sub>1</sub>	0.0
1205	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0301F <sub>2</sub>	0.0
1206	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0301F <sub>2</sub>	0.0
1207	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0202F <sub>1</sub>	0.0
1208	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0202F <sub>2</sub>	0.0
1209	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0202F <sub>2</sub>	0.0
1210	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0103F <sub>1</sub>	1.144(73)
1211	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0103F <sub>1</sub>	0.0
1212	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0103F <sub>1</sub>	0.0
1213	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0103F <sub>2</sub>	0.0
1214	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0103F <sub>2</sub>	-4.02(17)
1215	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0103F <sub>2</sub>	-1.22(11)
1216	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>1</sub>	0004F <sub>1</sub>	0.0
1217	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0004F <sub>2</sub>	8.5(2.0) × 10 <sup>-1</sup>
1218	Tetradecad	5	0(0, 0A <sub>1</sub> )	1101F <sub>2</sub>	0004F <sub>2</sub>	2.36(24)
1219	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002A <sub>1</sub>	1002A <sub>1</sub>	1.28(37)
1220	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002E	1002E	6.04(15)
1221	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	1002F <sub>2</sub>	0.0
1222	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	1002F <sub>2</sub>	0.0
1223	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	1002F <sub>2</sub>	0.0
1224	Tetradecad	3	0(0, 0A <sub>1</sub> )	1002A <sub>1</sub>	0020A <sub>1</sub>	0.0
1225	Tetradecad	5	2(0, 0A <sub>1</sub> )	1002A <sub>1</sub>	0020A <sub>1</sub>	2.52(11) × 10 <sup>-1</sup>
1226	Tetradecad	5	2(2, 0E)	1002A <sub>1</sub>	0020E	0.0
1227	Tetradecad	5	2(2, 0F <sub>2</sub> )	1002A <sub>1</sub>	0020F <sub>2</sub>	0.0
1228	Tetradecad	5	2(2, 0E)	1002E	0020A <sub>1</sub>	-5.027(59) × 10 <sup>-1</sup>
1229	Tetradecad	3	0(0, 0A <sub>1</sub> )	1002E	0020E	15.9(1.5)
1230	Tetradecad	5	2(0, 0A <sub>1</sub> )	1002E	0020E	0.0
1231	Tetradecad	5	2(2, 0E)	1002E	0020E	0.0
1232	Tetradecad	4	1(1, 0F <sub>1</sub> )	1002E	0020F <sub>2</sub>	0.0
1233	Tetradecad	5	2(2, 0F <sub>2</sub> )	1002E	0020F <sub>2</sub>	0.0
1234	Tetradecad	5	2(2, 0F <sub>2</sub> )	1002F <sub>2</sub>	0020A <sub>1</sub>	0.0
1235	Tetradecad	4	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0020E	0.0
1236	Tetradecad	5	2(2, 0F <sub>2</sub> )	1002F <sub>2</sub>	0020E	0.0
1237	Tetradecad	3	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0020F <sub>2</sub>	39.26(48)
1238	Tetradecad	4	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0020F <sub>2</sub>	2.586(98)
1239	Tetradecad	5	2(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0020F <sub>2</sub>	0.0
1240	Tetradecad	5	2(2, 0E)	1002F <sub>2</sub>	0020F <sub>2</sub>	0.0
1241	Tetradecad	5	2(2, 0F <sub>2</sub> )	1002F <sub>2</sub>	0020F <sub>2</sub>	0.0
1242	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002A <sub>1</sub>	0210F <sub>1</sub>	-4.0(2.3) × 10 <sup>-1</sup>
1243	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0210F <sub>2</sub>	-3.215(58)
1244	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0210F <sub>1</sub>	1.779(79)
1245	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0210F <sub>2</sub>	-2.032(84)
1246	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0210F <sub>2</sub>	2.34(44)
1247	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0210F <sub>2</sub>	0.0
1248	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0210F <sub>1</sub>	3.110(64)
1249	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0210F <sub>2</sub>	0.0
1250	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0210F <sub>2</sub>	0.0
1251	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002A <sub>1</sub>	0111F <sub>1</sub>	0.0
1252	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002A <sub>1</sub>	0111A <sub>1</sub>	0.0
1253	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002A <sub>1</sub>	0111F <sub>1</sub>	0.0
1254	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002E	0111E	-11.03(35)
1255	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0111F <sub>1</sub>	0.0
1256	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0111F <sub>2</sub>	0.0
1257	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002E	0111E	-1.93(26)
1258	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0111F <sub>1</sub>	0.0
1259	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0111F <sub>2</sub>	-9.8(6.7) × 10 <sup>-2</sup>
1260	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0111A <sub>2</sub>	0.0
1261	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0111E	0.0
1262	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0111F <sub>1</sub>	0.0
1263	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0111F <sub>2</sub>	0.0
1264	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0111F <sub>2</sub>	0.0
1265	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0111E	0.0
1266	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0111F <sub>1</sub>	0.0
1267	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0111F <sub>2</sub>	-7.95(34)
1268	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0111F <sub>2</sub>	0.0
1269	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002A <sub>1</sub>	0012F <sub>1</sub>	0.0
1270	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002A <sub>1</sub>	0012A <sub>1</sub>	0.0
1271	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002A <sub>1</sub>	0012F <sub>1</sub>	0.0
1272	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0012F <sub>2</sub>	0.0
1273	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0012F <sub>1</sub>	3.92(23) × 10 <sup>-1</sup>
1274	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0012F <sub>2</sub>	1.085(26)
1275	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002E	0012E	3.008(98)
1276	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0012F <sub>1</sub>	-6.17(26) × 10 <sup>-1</sup>
1277	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002E	0012F <sub>2</sub>	-3.44(30) × 10 <sup>-1</sup>
1278	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0012F <sub>2</sub>	0.0
1279	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0012F <sub>2</sub>	0.0
1280	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0012F <sub>1</sub>	8.25(29) × 10 <sup>-1</sup>

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC')$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1281	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0012F <sub>2</sub>	-3.199(80)
1282	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0012F <sub>2</sub>	0.0
1283	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0012E	-4.66(23) × 10 <sup>-1</sup>
1284	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0012F <sub>1</sub>	0.0
1285	Tetradecad	4	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0012F <sub>2</sub>	0.0
1286	Tetradecad	5	1(1, 0F <sub>1</sub> )	1002F <sub>2</sub>	0012F <sub>2</sub>	4.52(33) × 10 <sup>-1</sup>
1287	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002A <sub>1</sub>	0400A <sub>1</sub>	0.0
1288	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002E	0400E	0.0
1289	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002E	0400E	0.0
1290	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0301F <sub>2</sub>	0.0
1291	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0301F <sub>2</sub>	0.0
1292	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002A <sub>1</sub>	0202A <sub>1</sub>	0.0
1293	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002A <sub>1</sub>	0202A <sub>1</sub>	0.0
1294	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002E	0202E	0.0
1295	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002E	0202E	0.0
1296	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002E	0202E	-1.336(70)
1297	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0202F <sub>2</sub>	0.0
1298	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0202F <sub>2</sub>	0.0
1299	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002E	0103E	3.29(12)
1300	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0103F <sub>2</sub>	0.0
1301	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0103F <sub>2</sub>	0.0
1302	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0103F <sub>2</sub>	-2.35(96) × 10 <sup>-1</sup>
1303	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002A <sub>1</sub>	0004A <sub>1</sub>	4.85(35)
1304	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002A <sub>1</sub>	0004A <sub>1</sub>	0.0
1305	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002E	0004E	0.0
1306	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002E	0004E	0.0
1307	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0004F <sub>2</sub>	0.0
1308	Tetradecad	5	0(0, 0A <sub>1</sub> )	1002F <sub>2</sub>	0004F <sub>2</sub>	0.0
1309	Tetradecad	2	0(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0020A <sub>1</sub>	-155.8(1.3)
1310	Tetradecad	4	2(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0020A <sub>1</sub>	-1.177(56) × 10 <sup>-1</sup>
1311	Tetradecad	4	2(2, 0E )	0020A <sub>1</sub>	0020E	0.0
1312	Tetradecad	4	2(2, 0F <sub>2</sub> )	0020A <sub>1</sub>	0020F <sub>2</sub>	6.1(1.7) × 10 <sup>-3</sup>
1313	Tetradecad	5	3(3, 0F <sub>2</sub> )	0020A <sub>1</sub>	0020F <sub>2</sub>	0.0
1314	Tetradecad	2	0(0, 0A <sub>1</sub> )	0020E	0020E	4.26(15)
1315	Tetradecad	4	2(0, 0A <sub>1</sub> )	0020E	0020E	-8.25(26) × 10 <sup>-3</sup>
1316	Tetradecad	4	2(2, 0E )	0020E	0020E	-8.05(29) × 10 <sup>-3</sup>
1317	Tetradecad	5	3(3, 0A <sub>2</sub> )	0020E	0020E	0.0
1318	Tetradecad	3	1(1, 0F <sub>1</sub> )	0020E	0020F <sub>2</sub>	0.0
1319	Tetradecad	4	2(2, 0F <sub>2</sub> )	0020E	0020F <sub>2</sub>	0.0
1320	Tetradecad	5	3(1, 0F <sub>1</sub> )	0020E	0020F <sub>2</sub>	0.0
1321	Tetradecad	5	3(3, 0F <sub>1</sub> )	0020E	0020F <sub>2</sub>	0.0
1322	Tetradecad	5	3(3, 0F <sub>2</sub> )	0020E	0020F <sub>2</sub>	0.0
1323	Tetradecad	2	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0020F <sub>2</sub>	-49.07(19)
1324	Tetradecad	3	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0020F <sub>2</sub>	-7.88(30) × 10 <sup>-1</sup>
1325	Tetradecad	4	2(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0020F <sub>2</sub>	-1.828(47) × 10 <sup>-2</sup>
1326	Tetradecad	4	2(2, 0E )	0020F <sub>2</sub>	0020F <sub>2</sub>	-5.96(54) × 10 <sup>-3</sup>
1327	Tetradecad	4	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0020F <sub>2</sub>	3.468(69) × 10 <sup>-2</sup>
1328	Tetradecad	5	3(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0020F <sub>2</sub>	0.0
1329	Tetradecad	5	3(3, 0F <sub>1</sub> )	0020F <sub>2</sub>	0020F <sub>2</sub>	0.0
1330	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020A <sub>1</sub>	0210F <sub>2</sub>	0.0
1331	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0210F <sub>1</sub>	5.08(50) × 10 <sup>-1</sup>
1332	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020A <sub>1</sub>	0210F <sub>2</sub>	0.0
1333	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0210F <sub>2</sub>	6.6(2.6) × 10 <sup>-2</sup>
1334	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0210F <sub>2</sub>	0.0
1335	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0210F <sub>1</sub>	1.95(77) × 10 <sup>-2</sup>
1336	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0210F <sub>1</sub>	0.0
1337	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0210F <sub>2</sub>	0.0
1338	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0210F <sub>2</sub>	0.0
1339	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0210F <sub>2</sub>	13.43(17)
1340	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0210F <sub>2</sub>	3.02(24) × 10 <sup>-1</sup>
1341	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0210F <sub>2</sub>	0.0
1342	Tetradecad	5	2(2, 0E )	0020F <sub>2</sub>	0210F <sub>2</sub>	0.0
1343	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0210F <sub>2</sub>	0.0
1344	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0210F <sub>1</sub>	-1.289(20)
1345	Tetradecad	5	2(2, 0E )	0020F <sub>2</sub>	0210F <sub>1</sub>	0.0
1346	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0210F <sub>1</sub>	0.0
1347	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0210F <sub>2</sub>	8.12(10)
1348	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0210F <sub>2</sub>	0.0
1349	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0210F <sub>2</sub>	0.0
1350	Tetradecad	5	2(2, 0E )	0020F <sub>2</sub>	0210F <sub>2</sub>	3.041(57) × 10 <sup>-2</sup>
1351	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0210F <sub>2</sub>	2.97(58) × 10 <sup>-3</sup>
1352	Tetradecad	5	2(2, 0E )	0020A <sub>1</sub>	0111E	-9.09(21) × 10 <sup>-2</sup>
1353	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0111F <sub>1</sub>	-1.580(36)
1354	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020A <sub>1</sub>	0111F <sub>2</sub>	0.0
1355	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0111A <sub>1</sub>	-10.81(28)
1356	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0111A <sub>1</sub>	0.0
1357	Tetradecad	5	2(2, 0E )	0020A <sub>1</sub>	0111E	0.0
1358	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0111F <sub>1</sub>	0.0
1359	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020A <sub>1</sub>	0111F <sub>2</sub>	1.594(25) × 10 <sup>-1</sup>
1360	Tetradecad	5	2(2, 0E )	0020E	0111A <sub>2</sub>	-3.54(12) × 10 <sup>-2</sup>

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1361	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020E	0111E	-5.88(21)
1362	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020E	0111E	0.0
1363	Tetradecad	5	2(2, 0E)	0020E	0111E	0.0
1364	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0111F <sub>1</sub>	2.52(42) × 10 <sup>-1</sup>
1365	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0111F <sub>1</sub>	0.0
1366	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0111F <sub>2</sub>	1.734(51)
1367	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0111F <sub>2</sub>	0.0
1368	Tetradecad	5	2(2, 0E)	0020E	0111A <sub>1</sub>	0.0
1369	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020E	0111E	0.0
1370	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020E	0111E	0.0
1371	Tetradecad	5	2(2, 0E)	0020E	0111E	-2.13(13) × 10 <sup>-2</sup>
1372	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0111F <sub>1</sub>	-1.134(50)
1373	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0111F <sub>1</sub>	0.0
1374	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0111F <sub>2</sub>	-2.009(30)
1375	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0111F <sub>2</sub>	0.0
1376	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0111A <sub>2</sub>	-1.900(28)
1377	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0111E	0.0
1378	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0111E	0.0
1379	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0111F <sub>1</sub>	0.0
1380	Tetradecad	5	2(2, 0E)	0020F <sub>2</sub>	0111F <sub>1</sub>	0.0
1381	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0111F <sub>1</sub>	0.0
1382	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0111F <sub>2</sub>	-22.80(18)
1383	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0111F <sub>2</sub>	0.0
1384	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0111F <sub>2</sub>	0.0
1385	Tetradecad	5	2(2, 0E)	0020F <sub>2</sub>	0111F <sub>2</sub>	2.76(14) × 10 <sup>-2</sup>
1386	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0111F <sub>2</sub>	0.0
1387	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0111A <sub>1</sub>	0.0
1388	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0111E	0.0
1389	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0111E	0.0
1390	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0111F <sub>1</sub>	-1.307(32)
1391	Tetradecad	5	2(2, 0E)	0020F <sub>2</sub>	0111F <sub>1</sub>	0.0
1392	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0111F <sub>1</sub>	0.0
1393	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0111F <sub>2</sub>	23.72(17)
1394	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0111F <sub>2</sub>	0.0
1395	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0111F <sub>2</sub>	0.0
1396	Tetradecad	5	2(2, 0E)	0020F <sub>2</sub>	0111F <sub>2</sub>	0.0
1397	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0111F <sub>2</sub>	0.0
1398	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020A <sub>1</sub>	0012F <sub>2</sub>	5.29(31) × 10 <sup>-2</sup>
1399	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0012F <sub>1</sub>	0.0
1400	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020A <sub>1</sub>	0012F <sub>2</sub>	0.0
1401	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0012A <sub>1</sub>	0.0
1402	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0012A <sub>1</sub>	0.0
1403	Tetradecad	5	2(2, 0E)	0020A <sub>1</sub>	0012E	0.0
1404	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0012F <sub>1</sub>	-2.300(84)
1405	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020A <sub>1</sub>	0012F <sub>2</sub>	0.0
1406	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0012F <sub>2</sub>	0.0
1407	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0012F <sub>2</sub>	0.0
1408	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0012F <sub>1</sub>	0.0
1409	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0012F <sub>1</sub>	0.0
1410	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0012F <sub>2</sub>	0.0
1411	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0012F <sub>2</sub>	3.58(33) × 10 <sup>-2</sup>
1412	Tetradecad	5	2(2, 0E)	0020E	0012A <sub>1</sub>	0.0
1413	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020E	0012E	-38.54(87)
1414	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020E	0012E	0.0
1415	Tetradecad	5	2(2, 0E)	0020E	0012E	0.0
1416	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0012F <sub>1</sub>	0.0
1417	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0012F <sub>1</sub>	0.0
1418	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020E	0012F <sub>2</sub>	0.0
1419	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020E	0012F <sub>2</sub>	0.0
1420	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	13.17(37)
1421	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	0.0
1422	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	0.0
1423	Tetradecad	5	2(2, 0E)	0020F <sub>2</sub>	0012F <sub>2</sub>	0.0
1424	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	0.0
1425	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>1</sub>	9.37(75) × 10 <sup>-1</sup>
1426	Tetradecad	5	2(2, 0E)	0020F <sub>2</sub>	0012F <sub>1</sub>	0.0
1427	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0012F <sub>1</sub>	0.0
1428	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	-6.77(23)
1429	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	3.43(52) × 10 <sup>-1</sup>
1430	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	0.0
1431	Tetradecad	5	2(2, 0E)	0020F <sub>2</sub>	0012F <sub>2</sub>	-6.83(20) × 10 <sup>-2</sup>
1432	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	0.0
1433	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0012A <sub>1</sub>	0.0
1434	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0012E	-1.585(60)
1435	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0012E	0.0
1436	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>1</sub>	-3.091(77)
1437	Tetradecad	5	2(2, 0E)	0020F <sub>2</sub>	0012F <sub>1</sub>	0.0
1438	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0012F <sub>1</sub>	0.0
1439	Tetradecad	3	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	-57.88(44)
1440	Tetradecad	4	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	2.812(80)

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC')$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1441	Tetradecad	5	2(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	0.0
1442	Tetradecad	5	2(2, 0E)	0020F <sub>2</sub>	0012F <sub>2</sub>	0.0
1443	Tetradecad	5	2(2, 0F <sub>2</sub> )	0020F <sub>2</sub>	0012F <sub>2</sub>	0.0
1444	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0400A <sub>1</sub>	-42.6(1.1)
1445	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020E	0400E	-7.61(25)
1446	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020E	0400E	0.0
1447	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0400E	0.0
1448	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0400E	0.0
1449	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0301F <sub>1</sub>	0.0
1450	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0301F <sub>1</sub>	3.572(90)
1451	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0301F <sub>1</sub>	0.0
1452	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0301F <sub>2</sub>	0.0
1453	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0301F <sub>2</sub>	0.0
1454	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0301F <sub>1</sub>	0.0
1455	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0301F <sub>1</sub>	0.0
1456	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0301F <sub>2</sub>	0.0
1457	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0301F <sub>2</sub>	0.0
1458	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0301F <sub>2</sub>	-3.09(11)
1459	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0301F <sub>2</sub>	-2.45(18) $\times 10^{-1}$
1460	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0301F <sub>1</sub>	3.049(76) $\times 10^{-1}$
1461	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0202A <sub>1</sub>	12.81(59)
1462	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0202A <sub>1</sub>	-2.44(47)
1463	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0202F <sub>1</sub>	9.37(59) $\times 10^{-1}$
1464	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020E	0202E	7.22(66)
1465	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0202F <sub>2</sub>	0.0
1466	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020E	0202E	-19.52(46)
1467	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020E	0202E	0.0
1468	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0202F <sub>1</sub>	0.0
1469	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0202F <sub>2</sub>	0.0
1470	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0202E	0.0
1471	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0202F <sub>2</sub>	1.26(20)
1472	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0202F <sub>2</sub>	0.0
1473	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0202E	0.0
1474	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0202A <sub>2</sub>	0.0
1475	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0202E	0.0
1476	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0202F <sub>1</sub>	0.0
1477	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0202F <sub>2</sub>	0.0
1478	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0202F <sub>2</sub>	0.0
1479	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0103F <sub>1</sub>	0.0
1480	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0103F <sub>1</sub>	0.0
1481	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0103F <sub>1</sub>	0.0
1482	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0103F <sub>1</sub>	0.0
1483	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0103F <sub>2</sub>	0.0
1484	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020E	0103E	0.0
1485	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0103F <sub>1</sub>	0.0
1486	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0103F <sub>2</sub>	0.0
1487	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0103F <sub>1</sub>	0.0
1488	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0103F <sub>2</sub>	0.0
1489	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0103F <sub>1</sub>	0.0
1490	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0103F <sub>2</sub>	0.0
1491	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0103F <sub>2</sub>	0.0
1492	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0103E	0.0
1493	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0103F <sub>1</sub>	0.0
1494	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0103F <sub>2</sub>	0.0
1495	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0103F <sub>2</sub>	0.0
1496	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0103F <sub>1</sub>	0.0
1497	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0103F <sub>2</sub>	0.0
1498	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0103F <sub>2</sub>	0.0
1499	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0004A <sub>1</sub>	-27.28(99)
1500	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020A <sub>1</sub>	0004A <sub>1</sub>	4.3(1.0)
1501	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020A <sub>1</sub>	0004F <sub>1</sub>	0.0
1502	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020E	0004E	0.0
1503	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0004F <sub>2</sub>	0.0
1504	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020E	0004E	0.0
1505	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0004F <sub>1</sub>	0.0
1506	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020E	0004F <sub>2</sub>	0.0
1507	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0004E	0.0
1508	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0004F <sub>2</sub>	-20.95(15)
1509	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0004F <sub>2</sub>	0.0
1510	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0004E	0.0
1511	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0004F <sub>1</sub>	0.0
1512	Tetradecad	4	0(0, 0A <sub>1</sub> )	0020F <sub>2</sub>	0004F <sub>2</sub>	-1.10(38)
1513	Tetradecad	5	1(1, 0F <sub>1</sub> )	0020F <sub>2</sub>	0004F <sub>2</sub>	0.0
1514	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0210F <sub>2</sub>	4.7(2.1) $\times 10^{-1}$
1515	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0210F <sub>2</sub>	0.0
1516	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0210F <sub>1</sub>	0.0
1517	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0210F <sub>2</sub>	0.0
1518	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0210F <sub>2</sub>	0.0
1519	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0210F <sub>1</sub>	0.0
1520	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0210F <sub>1</sub>	0.0



Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1521	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0210F <sub>2</sub>	$-4.6(4.2) \times 10^{-3}$
1522	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0210F <sub>2</sub>	-1.076(42)
1523	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0210F <sub>2</sub>	0.0
1524	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111A <sub>2</sub>	0.0
1525	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111E	0.0
1526	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>1</sub>	0.0
1527	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>2</sub>	0.0
1528	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>2</sub>	0.0
1529	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111E	0.0
1530	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>1</sub>	$1.05(14) \times 10^{-1}$
1531	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>2</sub>	0.0
1532	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>2</sub>	0.0
1533	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0111E	0.0
1534	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0111F <sub>1</sub>	-1.641(55)
1535	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0111F <sub>1</sub>	0.0
1536	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0111F <sub>2</sub>	0.0
1537	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0111A <sub>1</sub>	0.0
1538	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0111E	0.0
1539	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0111F <sub>1</sub>	4.324(61)
1540	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0111F <sub>1</sub>	0.0
1541	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0111F <sub>2</sub>	0.0
1542	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111A <sub>2</sub>	0.0
1543	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111E	0.0
1544	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>1</sub>	0.0
1545	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>2</sub>	-3.158(55)
1546	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>2</sub>	0.0
1547	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111E	0.0
1548	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>1</sub>	0.0
1549	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>2</sub>	0.0
1550	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0111F <sub>2</sub>	0.0
1551	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	16.61(33)
1552	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	0.0
1553	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>1</sub>	0.0
1554	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	0.0
1555	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	0.0
1556	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012E	1.064(49)
1557	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>1</sub>	0.0
1558	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	7.26(29)
1559	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	0.0
1560	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0012F <sub>2</sub>	0.0
1561	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0012F <sub>1</sub>	0.0
1562	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0012F <sub>1</sub>	0.0
1563	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0012F <sub>2</sub>	0.0
1564	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0012A <sub>1</sub>	0.0
1565	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0012E	0.0
1566	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0012F <sub>1</sub>	$4.5(2.8) \times 10^{-1}$
1567	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0012F <sub>1</sub>	0.0
1568	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>1</sub>	0012F <sub>2</sub>	0.0
1569	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	-13.80(37)
1570	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	0.0
1571	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>1</sub>	0.0
1572	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	4.24(21)
1573	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	0.0
1574	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012E	0.0
1575	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>1</sub>	0.0
1576	Tetradecad	4	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	0.0
1577	Tetradecad	5	1(1, 0F <sub>1</sub> )	0210F <sub>2</sub>	0012F <sub>2</sub>	0.0
1578	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0301F <sub>2</sub>	0.0
1579	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0301F <sub>2</sub>	0.0
1580	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0301F <sub>1</sub>	0.0
1581	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0301F <sub>1</sub>	0.0
1582	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0301F <sub>2</sub>	0.0
1583	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0301F <sub>2</sub>	0.0
1584	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0202F <sub>2</sub>	0.0
1585	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0202F <sub>2</sub>	0.0
1586	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0202F <sub>1</sub>	0.0
1587	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0202F <sub>2</sub>	0.0
1588	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0202F <sub>2</sub>	0.0
1589	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0103F <sub>2</sub>	0.0
1590	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0103F <sub>2</sub>	0.0
1591	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0103F <sub>2</sub>	0.0
1592	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0103F <sub>1</sub>	0.0
1593	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0103F <sub>1</sub>	0.0
1594	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0103F <sub>1</sub>	0.0
1595	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0103F <sub>2</sub>	0.0
1596	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0103F <sub>2</sub>	0.0
1597	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0103F <sub>2</sub>	0.0
1598	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0004F <sub>2</sub>	0.0
1599	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0004F <sub>2</sub>	0.0
1600	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>1</sub>	0004F <sub>1</sub>	0.0

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1601	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0004F <sub>2</sub>	0.0
1602	Tetradecad	5	0(0, 0A <sub>1</sub> )	0210F <sub>2</sub>	0004F <sub>2</sub>	0.0
1603	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111A <sub>2</sub>	0111A <sub>2</sub>	-8.95(39) × 10 <sup>-1</sup>
1604	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111A <sub>2</sub>	0111F <sub>2</sub>	0.0
1605	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111A <sub>2</sub>	0111F <sub>2</sub>	0.0
1606	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111E	0111E	0.0
1607	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0111F <sub>1</sub>	0.0
1608	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0111F <sub>2</sub>	0.0
1609	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111E	0111E	0.0
1610	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0111F <sub>1</sub>	0.0
1611	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0111F <sub>2</sub>	0.0
1612	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0111F <sub>1</sub>	-1.109(21)
1613	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0111F <sub>1</sub>	0.0
1614	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0111F <sub>2</sub>	0.0
1615	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0111A <sub>1</sub>	0.0
1616	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0111E	0.0
1617	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0111F <sub>1</sub>	3.4(1.4) × 10 <sup>-2</sup>
1618	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0111F <sub>1</sub>	0.0
1619	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0111F <sub>2</sub>	0.0
1620	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0111F <sub>2</sub>	0.0
1621	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0111F <sub>2</sub>	0.0
1622	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0111E	0.0
1623	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0111F <sub>1</sub>	0.0
1624	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0111F <sub>2</sub>	-2.99(32) × 10 <sup>-1</sup>
1625	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0111F <sub>2</sub>	0.0
1626	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111A <sub>1</sub>	0111A <sub>1</sub>	0.0
1627	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111A <sub>1</sub>	0111F <sub>1</sub>	0.0
1628	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111E	0111E	0.0
1629	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0111F <sub>1</sub>	-4.79(56) × 10 <sup>-2</sup>
1630	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0111F <sub>2</sub>	0.0
1631	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0111F <sub>1</sub>	2.125(28)
1632	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0111F <sub>1</sub>	0.0
1633	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0111F <sub>2</sub>	0.0
1634	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0111F <sub>2</sub>	0.0
1635	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0111F <sub>2</sub>	2.25(11) × 10 <sup>-1</sup>
1636	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111A <sub>2</sub>	0012F <sub>2</sub>	1.604(28)
1637	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111A <sub>2</sub>	0012F <sub>2</sub>	0.0
1638	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111A <sub>2</sub>	0012F <sub>2</sub>	0.0
1639	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0012F <sub>2</sub>	4.27(21) × 10 <sup>-1</sup>
1640	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0012F <sub>1</sub>	0.0
1641	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0012F <sub>2</sub>	0.0
1642	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111E	0012E	5.41(13)
1643	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0012F <sub>1</sub>	0.0
1644	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0012F <sub>2</sub>	0.0
1645	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>2</sub>	0.0
1646	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>1</sub>	0.0
1647	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>1</sub>	-0.997(26)
1648	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>2</sub>	-6.05(19) × 10 <sup>-1</sup>
1649	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012A <sub>1</sub>	3.35(29) × 10 <sup>-1</sup>
1650	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012E	0.0
1651	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>1</sub>	0.0
1652	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>1</sub>	4.08(17) × 10 <sup>-1</sup>
1653	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>2</sub>	6.30(23) × 10 <sup>-1</sup>
1654	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	6.31(11)
1655	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	0.0
1656	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>1</sub>	-2.59(24) × 10 <sup>-1</sup>
1657	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	2.827(93)
1658	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	0.0
1659	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012E	5.24(24) × 10 <sup>-1</sup>
1660	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>1</sub>	0.0
1661	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	-1.960(95)
1662	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	3.66(21) × 10 <sup>-1</sup>
1663	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111A <sub>1</sub>	0012F <sub>1</sub>	0.0
1664	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111A <sub>1</sub>	0012A <sub>1</sub>	5.64(28)
1665	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111A <sub>1</sub>	0012F <sub>1</sub>	0.0
1666	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0012F <sub>2</sub>	0.0
1667	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0012F <sub>1</sub>	0.0
1668	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0012F <sub>2</sub>	0.0
1669	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111E	0012E	-1.77(10)
1670	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0012F <sub>1</sub>	0.0
1671	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111E	0012F <sub>2</sub>	0.0
1672	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>2</sub>	3.68(27) × 10 <sup>-1</sup>
1673	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>1</sub>	-3.234(67)
1674	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>1</sub>	0.0
1675	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>2</sub>	-1.043(29)
1676	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012A <sub>1</sub>	0.0
1677	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012E	0.0
1678	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>1</sub>	-3.05(11)
1679	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>1</sub>	1.68(31) × 10 <sup>-1</sup>
1680	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>1</sub>	0012F <sub>2</sub>	0.0

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1681	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	0.0
1682	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	1.009(26)
1683	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>1</sub>	5.75(22) × 10 <sup>-1</sup>
1684	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	-6.69(10)
1685	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	0.0
1686	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012E	0.0
1687	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>1</sub>	0.0
1688	Tetradecad	4	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	0.0
1689	Tetradecad	5	1(1, 0F <sub>1</sub> )	0111F <sub>2</sub>	0012F <sub>2</sub>	0.0
1690	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0400E	0.0
1691	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0400E	0.0
1692	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111A <sub>1</sub>	0400A <sub>1</sub>	-7.86(31)
1693	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0400E	0.0
1694	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0400E	0.0
1695	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0301F <sub>1</sub>	0.0
1696	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0301F <sub>1</sub>	0.0
1697	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0301F <sub>2</sub>	0.0
1698	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0301F <sub>2</sub>	0.0
1699	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0301F <sub>1</sub>	0.0
1700	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0301F <sub>1</sub>	0.0
1701	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0301F <sub>2</sub>	0.0
1702	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0301F <sub>2</sub>	0.0
1703	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111A <sub>2</sub>	0202A <sub>2</sub>	-3.94(25)
1704	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0202E	0.0
1705	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0202E	5.33(16)
1706	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0202E	0.0
1707	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0202F <sub>1</sub>	0.0
1708	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0202F <sub>2</sub>	0.0
1709	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0202F <sub>2</sub>	0.0
1710	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111A <sub>1</sub>	0202A <sub>1</sub>	0.0
1711	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111A <sub>1</sub>	0202A <sub>1</sub>	-3.75(34)
1712	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0202E	0.0
1713	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0202E	0.0
1714	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0202E	0.0
1715	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0202F <sub>1</sub>	0.0
1716	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0202F <sub>2</sub>	-1.21(13)
1717	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0202F <sub>2</sub>	-2.25(12)
1718	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0103E	0.0
1719	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0103F <sub>1</sub>	1.70(12)
1720	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0103F <sub>1</sub>	0.0
1721	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0103F <sub>1</sub>	0.0
1722	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0103F <sub>2</sub>	0.0
1723	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0103F <sub>2</sub>	0.0
1724	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0103F <sub>2</sub>	0.0
1725	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0103E	0.0
1726	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0103F <sub>1</sub>	0.0
1727	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0103F <sub>1</sub>	0.0
1728	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0103F <sub>1</sub>	2.22(17)
1729	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0103F <sub>2</sub>	-11.67(37)
1730	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0103F <sub>2</sub>	0.0
1731	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0103F <sub>2</sub>	-2.81(20)
1732	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0004E	7.11(40)
1733	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0004E	-1.29(43)
1734	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0004F <sub>1</sub>	0.0
1735	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0004F <sub>2</sub>	-5.3(4.9) × 10 <sup>-1</sup>
1736	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0004F <sub>2</sub>	0.0
1737	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111A <sub>1</sub>	0004A <sub>1</sub>	0.0
1738	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111A <sub>1</sub>	0004A <sub>1</sub>	0.0
1739	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0004E	0.0
1740	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111E	0004E	0.0
1741	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>1</sub>	0004F <sub>1</sub>	0.0
1742	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0004F <sub>2</sub>	0.0
1743	Tetradecad	5	0(0, 0A <sub>1</sub> )	0111F <sub>2</sub>	0004F <sub>2</sub>	-3.4(3.2) × 10 <sup>-1</sup>
1744	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	0.0
1745	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	0.0
1746	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>1</sub>	0.0
1747	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	-3.692(45)
1748	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	3.80(15) × 10 <sup>-1</sup>
1749	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012E	0.0
1750	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>1</sub>	0.0
1751	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	-7.60(56) × 10 <sup>-1</sup>
1752	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	3.87(12) × 10 <sup>-1</sup>
1753	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0012F <sub>1</sub>	-1.19(19) × 10 <sup>-1</sup>
1754	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>1</sub>	0012F <sub>1</sub>	0.0
1755	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>1</sub>	0012F <sub>2</sub>	0.0
1756	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>1</sub>	0012A <sub>1</sub>	0.0
1757	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>1</sub>	0012E	0.0
1758	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0012F <sub>1</sub>	0.0
1759	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>1</sub>	0012F <sub>1</sub>	0.0
1760	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>1</sub>	0012F <sub>2</sub>	0.0

Table I (continued).

Parameter	Polyad	Order	$\Omega(K, nC)$	$\{s\} C_1$	$\{s'\} C_2$	Value / $\text{cm}^{-1}$
1761	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	0.0
1762	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	4.36(20) × 10 <sup>-1</sup>
1763	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012E	0.0
1764	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>1</sub>	0.0
1765	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	0.0
1766	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	0.0
1767	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012A <sub>1</sub>	0012A <sub>1</sub>	15.67(42)
1768	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012A <sub>1</sub>	0012F <sub>1</sub>	0.0
1769	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012E	0012E	-1.139(54)
1770	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012E	0012F <sub>1</sub>	0.0
1771	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012E	0012F <sub>2</sub>	0.0
1772	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0012F <sub>1</sub>	7.26(68) × 10 <sup>-1</sup>
1773	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>1</sub>	0012F <sub>1</sub>	0.0
1774	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>1</sub>	0012F <sub>2</sub>	-2.09(13) × 10 <sup>-1</sup>
1775	Tetradecad	4	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	2.03(78) × 10 <sup>-1</sup>
1776	Tetradecad	5	1(1, 0F <sub>1</sub> )	0012F <sub>2</sub>	0012F <sub>2</sub>	-1.012(26)
1777	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012A <sub>1</sub>	0400A <sub>1</sub>	0.0
1778	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012E	0400E	0.0
1779	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012E	0400E	0.0
1780	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0301F <sub>2</sub>	0.0
1781	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0301F <sub>2</sub>	2.24(13)
1782	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0301F <sub>1</sub>	3.27(15)
1783	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0301F <sub>1</sub>	0.0
1784	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0301F <sub>2</sub>	0.0
1785	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0301F <sub>2</sub>	0.0
1786	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0301F <sub>1</sub>	2.51(14)
1787	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0301F <sub>1</sub>	0.0
1788	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0301F <sub>2</sub>	0.0
1789	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0301F <sub>2</sub>	0.0
1790	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0202F <sub>2</sub>	0.0
1791	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0202F <sub>2</sub>	0.0
1792	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0202F <sub>1</sub>	1.405(36)
1793	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0202F <sub>2</sub>	0.0
1794	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0202F <sub>2</sub>	-6.64(24) × 10 <sup>-1</sup>
1795	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012A <sub>1</sub>	0202A <sub>1</sub>	0.0
1796	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012A <sub>1</sub>	0202A <sub>1</sub>	0.0
1797	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012E	0202E	0.0
1798	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012E	0202E	0.0
1799	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012E	0202E	0.0
1800	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0202F <sub>1</sub>	1.55(33) × 10 <sup>-1</sup>
1801	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0202F <sub>2</sub>	0.0
1802	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0202F <sub>2</sub>	0.0
1803	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0103F <sub>2</sub>	0.0
1804	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0103F <sub>2</sub>	0.0
1805	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0103F <sub>2</sub>	0.0
1806	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0103F <sub>1</sub>	5.09(22)
1807	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0103F <sub>1</sub>	1.701(95)
1808	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0103F <sub>1</sub>	0.0
1809	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0103F <sub>2</sub>	2.65(16)
1810	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0103F <sub>2</sub>	0.0
1811	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0103F <sub>2</sub>	0.0
1812	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012E	0103E	-1.51(12)
1813	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0103F <sub>1</sub>	0.0
1814	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0103F <sub>1</sub>	0.0
1815	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0103F <sub>1</sub>	0.0
1816	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0103F <sub>2</sub>	0.0
1817	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0103F <sub>2</sub>	1.02(12)
1818	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0103F <sub>2</sub>	0.0
1819	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0004F <sub>2</sub>	0.0
1820	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0004F <sub>2</sub>	-1.199(75)
1821	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0004F <sub>1</sub>	0.0
1822	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0004F <sub>2</sub>	0.0
1823	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0004F <sub>2</sub>	0.0
1824	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012A <sub>1</sub>	0004A <sub>1</sub>	0.0
1825	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012A <sub>1</sub>	0004A <sub>1</sub>	-1.40(40)
1826	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012E	0004E	0.0
1827	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012E	0004E	0.0
1828	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>1</sub>	0004F <sub>1</sub>	0.0
1829	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0004F <sub>2</sub>	0.0
1830	Tetradecad	5	0(0, 0A <sub>1</sub> )	0012F <sub>2</sub>	0004F <sub>2</sub>	0.0

Table II.

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
4885.742900	4885.730076	12.824	$0.1052 \times 10^{-4}$	$0.1009 \times 10^{-4}$	4.256	12	$A_1$	2	11	$A_2$	2
4889.844500	4889.821208	23.292	$0.3151 \times 10^{-5}$	$0.3618 \times 10^{-5}$	-12.905	12	$F_1$	2	11	$F_2$	4
4890.399800	4890.400683	-0.883	$0.3173 \times 10^{-5}$	$0.3450 \times 10^{-5}$	-8.036	12	$F_2$	1	11	$F_1$	5
4892.521900	4892.502122	19.778	$0.7104 \times 10^{-5}$	$0.8221 \times 10^{-5}$	-13.589	12	$A_2$	1	11	$A_1$	2
4892.861500	4892.848815	12.685	$0.1830 \times 10^{-5}$	$0.2073 \times 10^{-5}$	-11.741	12	$F_2$	3	11	$F_1$	6
4896.946000	4896.936543	9.457	$0.2303 \times 10^{-5}$	$0.2636 \times 10^{-5}$	-12.630	12	$E$	2	11	$E$	4
4897.184600	4897.169411	15.189	$0.2848 \times 10^{-5}$	$0.3384 \times 10^{-5}$	-15.849	12	$F_2$	2	11	$F_1$	7
4909.426000	4909.414987	11.013	$0.5211 \times 10^{-5}$	$0.5473 \times 10^{-5}$	-4.785	11	$E$	2	10	$E$	2
4909.760900	4909.754067	6.833	$0.8078 \times 10^{-5}$	$0.8825 \times 10^{-5}$	-8.463	11	$F_1$	3	10	$F_2$	4
4913.769500	4913.770808	-1.308	$0.4386 \times 10^{-5}$	$0.4772 \times 10^{-5}$	-8.084	11	$E$	1	10	$E$	3
4913.965700	4913.971058	-5.358	$0.6025 \times 10^{-5}$	$0.6536 \times 10^{-5}$	-7.813	11	$F_2$	2	10	$F_1$	3
4914.634800	4914.651868	-17.068	$0.1158 \times 10^{-4}$	$0.1269 \times 10^{-4}$	-8.769	11	$A_2$	1	10	$A_1$	2
4916.849700	4916.839866	9.834	$0.5289 \times 10^{-5}$	$0.5759 \times 10^{-5}$	-8.165	11	$F_2$	3	10	$F_1$	4
4921.571300	4921.568271	3.029	$0.1323 \times 10^{-5}$	$0.1331 \times 10^{-5}$	-0.629	13	$A_1$	1	12	$A_2$	4
4921.644700	4921.635074	9.626	$0.4007 \times 10^{-5}$	$0.4506 \times 10^{-5}$	-11.080	11	$F_1$	2	10	$F_2$	6
4925.333000	4925.334543	-1.543	$0.1029 \times 10^{-4}$	$0.1142 \times 10^{-4}$	-9.903	12	$A_1$	1	11	$A_2$	3
4925.474500	4925.463624	10.876	$0.3946 \times 10^{-5}$	$0.4521 \times 10^{-5}$	-12.719	12	$E$	1	11	$E$	5
4925.522400	4925.509025	13.375	$0.5854 \times 10^{-5}$	$0.6701 \times 10^{-5}$	-12.645	12	$F_1$	1	11	$F_2$	8
4927.715800	4927.687216	28.584	$0.1178 \times 10^{-4}$	$0.1203 \times 10^{-4}$	-2.056	10	$A_1$	1	9	$A_2$	1
4928.343000	4928.328535	14.465	$0.6713 \times 10^{-5}$	$0.6562 \times 10^{-5}$	2.303	10	$F_1$	2	9	$F_2$	2
4928.708300	4928.702280	6.020	$0.5062 \times 10^{-5}$	$0.4976 \times 10^{-5}$	1.737	10	$E$	2	9	$E$	2
4934.296000	4934.296364	-0.364	$0.1454 \times 10^{-4}$	$0.1508 \times 10^{-4}$	-3.586	10	$F_2$	3	9	$F_1$	3
4936.881500	4936.889749	-8.249	$0.2816 \times 10^{-5}$	$0.2972 \times 10^{-5}$	-5.258	10	$F_1$	2	9	$F_2$	3
4936.957000	4936.965230	-8.230	$0.9896 \times 10^{-5}$	$0.1029 \times 10^{-4}$	-3.822	10	$F_1$	1	9	$F_2$	3
4937.620500	4937.633465	-12.965	$0.1152 \times 10^{-4}$	$0.1236 \times 10^{-4}$	-6.768	10	$F_2$	2	9	$F_1$	4
4940.672900	4940.668405	4.495	$0.5380 \times 10^{-5}$	$0.5891 \times 10^{-5}$	-8.672	10	$E$	2	9	$E$	3
4943.858100	4943.836862	21.238	$0.4717 \times 10^{-5}$	$0.4354 \times 10^{-5}$	8.328	9	$A_2$	1	8	$A_1$	1
4945.195400	4945.196892	-1.492	$0.1290 \times 10^{-4}$	$0.1416 \times 10^{-4}$	-8.923	10	$A_1$	1	9	$A_2$	2
4946.263100	4946.267957	-4.857	$0.1100 \times 10^{-4}$	$0.1163 \times 10^{-4}$	-5.423	11	$F_1$	1	10	$F_2$	7
4946.356100	4946.352957	3.143	$0.1088 \times 10^{-4}$	$0.1171 \times 10^{-4}$	-7.074	11	$F_2$	1	10	$F_1$	6
4954.285900	4954.275328	10.572	$0.1417 \times 10^{-4}$	$0.1419 \times 10^{-4}$	-0.153	9	$F_1$	3	8	$F_2$	2
4955.518200	4955.517933	0.267	$0.1658 \times 10^{-4}$	$0.1637 \times 10^{-4}$	1.303	9	$F_2$	2	8	$F_1$	2
4958.460800	4958.465001	-4.201	$0.3672 \times 10^{-4}$	$0.3683 \times 10^{-4}$	-0.286	9	$A_2$	1	8	$A_1$	2
4959.532400	4959.541763	-9.363	$0.3474 \times 10^{-4}$	$0.3546 \times 10^{-4}$	-2.044	9	$A_1$	1	8	$A_2$	1
4960.034700	4960.044997	-10.297	$0.3699 \times 10^{-5}$	$0.3759 \times 10^{-5}$	-1.587	9	$F_1$	3	8	$F_2$	3
4960.084500	4960.094717	-10.217	$0.1608 \times 10^{-4}$	$0.1611 \times 10^{-4}$	-0.195	9	$F_1$	2	8	$F_2$	3
4960.514700	4960.527712	-13.012	$0.1227 \times 10^{-4}$	$0.1259 \times 10^{-4}$	-2.505	9	$E$	1	8	$E$	2
4961.783900	4961.778924	4.976	$0.1938 \times 10^{-5}$	$0.1723 \times 10^{-5}$	12.483	11	$F_2$	2	10	$F_1$	9
4962.043100	4962.041048	2.052	$0.2365 \times 10^{-5}$	$0.2301 \times 10^{-5}$	2.763	11	$A_2$	1	10	$A_1$	4
4965.374000	4965.370944	3.056	$0.6610 \times 10^{-5}$	$0.6743 \times 10^{-5}$	-1.970	9	$F_2$	2	8	$F_1$	3
4966.625200	4966.634613	-9.413	$0.1133 \times 10^{-4}$	$0.1223 \times 10^{-4}$	-7.370	10	$E$	1	9	$E$	4
4966.647800	4966.653321	-5.521	$0.1863 \times 10^{-4}$	$0.1864 \times 10^{-4}$	-0.042	10	$F_2$	1	9	$F_1$	6
4966.686100	4966.684356	1.744	$0.3107 \times 10^{-4}$	$0.3214 \times 10^{-4}$	-3.318	10	$A_2$	1	9	$A_1$	2
4968.956300	4968.952473	3.827	$0.5698 \times 10^{-5}$	$0.6095 \times 10^{-5}$	-6.521	9	$F_1$	3	8	$F_2$	4
4974.727100	4974.713482	13.618	$0.5964 \times 10^{-5}$	$0.6289 \times 10^{-5}$	-5.166	8	$F_2$	2	7	$F_1$	1
4978.970200	4978.967631	2.569	$0.1973 \times 10^{-4}$	$0.1912 \times 10^{-4}$	3.202	8	$E$	2	7	$E$	1
4980.106700	4980.106430	0.270	$0.2129 \times 10^{-4}$	$0.2063 \times 10^{-4}$	3.196	8	$F_2$	2	7	$F_1$	2
4980.146900	4980.146825	0.075	$0.4225 \times 10^{-5}$	$0.4048 \times 10^{-5}$	4.362	8	$F_2$	1	7	$F_1$	2
4981.049200	4981.049560	-0.360	$0.2035 \times 10^{-5}$	$0.2176 \times 10^{-5}$	-6.459	10	$F_1$	1	9	$F_2$	8
4982.128600	4982.121834	6.766	$0.1993 \times 10^{-5}$	$0.1963 \times 10^{-5}$	1.533	10	$F_2$	2	9	$F_1$	9

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
4982.472300	4982.481814	-9.514	$0.2931 \times 10^{-4}$	$0.2885 \times 10^{-4}$	1.584	8	$F_1$	2	7	$F_2$	2
4982.987100	4982.997026	-9.926	$0.4071 \times 10^{-5}$	$0.4042 \times 10^{-5}$	0.709	8	$F_2$	2	7	$F_1$	3
4983.027200	4983.037421	-10.221	$0.2259 \times 10^{-4}$	$0.2244 \times 10^{-4}$	0.659	8	$F_2$	1	7	$F_1$	3
4986.419400	4986.425001	-5.601	$0.2760 \times 10^{-4}$	$0.2799 \times 10^{-4}$	-1.408	9	$F_2$	1	8	$F_1$	5
4986.517600	4986.528509	-10.909	$0.2691 \times 10^{-4}$	$0.2702 \times 10^{-4}$	-0.409	9	$F_1$	1	8	$F_2$	5
4994.113400	4994.110131	3.269	$0.6314 \times 10^{-5}$	$0.6104 \times 10^{-5}$	3.441	9	$A_1$	1	8	$A_2$	2
5001.157900	5001.173693	-15.793	$0.3824 \times 10^{-5}$	$0.3780 \times 10^{-5}$	1.172	9	$A_1$	1	8	$A_2$	3
5001.848000	5001.846741	1.259	$0.1421 \times 10^{-5}$	$0.1464 \times 10^{-5}$	-2.933	9	$F_1$	2	8	$F_2$	8
5002.349400	5002.349365	0.035	$0.4374 \times 10^{-4}$	$0.4116 \times 10^{-4}$	6.269	7	$F_1$	2	6	$F_2$	1
5003.348800	5003.347470	1.330	$0.2362 \times 10^{-4}$	$0.2228 \times 10^{-4}$	6.028	7	$E$	1	6	$E$	1
5004.394500	5004.399589	-5.089	$0.3917 \times 10^{-4}$	$0.3788 \times 10^{-4}$	3.419	7	$F_2$	2	6	$F_1$	1
5005.172100	5005.180157	-8.057	$0.6153 \times 10^{-4}$	$0.5979 \times 10^{-4}$	2.906	7	$A_2$	1	6	$A_1$	1
5005.689200	5005.695174	-5.974	$0.2632 \times 10^{-4}$	$0.2565 \times 10^{-4}$	2.630	8	$E$	1	7	$E$	3
5005.818700	5005.827664	-8.964	$0.3750 \times 10^{-4}$	$0.3731 \times 10^{-4}$	0.506	8	$F_1$	1	7	$F_2$	4
5006.101300	5006.116872	-15.572	$0.6074 \times 10^{-4}$	$0.6012 \times 10^{-4}$	1.027	8	$A_1$	1	7	$A_2$	2
5009.911100	5009.896517	14.583	$0.5649 \times 10^{-5}$	$0.4735 \times 10^{-5}$	19.314	11	$A_2$	1	10	$A_1$	7
5013.245000	5013.245596	-0.596	$0.4695 \times 10^{-5}$	$0.4333 \times 10^{-5}$	8.364	8	$F_1$	2	7	$F_2$	5
5022.686500	5022.682443	4.057	$0.1798 \times 10^{-5}$	$0.1834 \times 10^{-5}$	-1.949	8	$F_1$	2	7	$F_2$	6
5024.352100	5024.354615	-2.515	$0.4949 \times 10^{-4}$	$0.4805 \times 10^{-4}$	3.004	7	$F_2$	1	6	$F_1$	3
5025.151400	5025.152605	-1.205	$0.9448 \times 10^{-4}$	$0.9011 \times 10^{-4}$	4.851	6	$A_1$	1	5	$A_2$	1
5025.194700	5025.209435	-14.735	$0.4430 \times 10^{-4}$	$0.4282 \times 10^{-4}$	3.446	7	$F_1$	1	6	$F_2$	4
5025.605500	5025.596632	8.868	$0.8844 \times 10^{-5}$	$0.7795 \times 10^{-5}$	13.452	10	$A_1$	1	9	$A_2$	5
5025.911200	5025.913695	-2.495	$0.5340 \times 10^{-4}$	$0.5109 \times 10^{-4}$	4.521	6	$F_1$	1	5	$F_2$	1
5026.612000	5026.616030	-4.030	$0.4942 \times 10^{-4}$	$0.4714 \times 10^{-4}$	4.844	6	$F_2$	2	5	$F_1$	1
5028.789900	5028.795307	-5.407	$0.2958 \times 10^{-5}$	$0.1720 \times 10^{-5}$	71.966	10	$F_2$	1	10	$F_1$	3
5029.440700	5029.458515	-17.815	$0.5695 \times 10^{-5}$	$0.3201 \times 10^{-5}$	77.911	10	$A_2$	1	10	$A_1$	2
5034.601300	5034.594293	7.007	$0.5627 \times 10^{-5}$	$0.4767 \times 10^{-5}$	18.029	9	$F_1$	1	8	$F_2$	12
5041.424000	5041.432565	-8.565	$0.4181 \times 10^{-5}$	$0.2817 \times 10^{-5}$	48.445	9	$F_1$	1	9	$F_2$	3
5041.844800	5041.837822	6.978	$0.2189 \times 10^{-4}$	$0.2081 \times 10^{-4}$	5.200	6	$E$	1	5	$E$	1
5041.920700	5041.916965	3.735	$0.1141 \times 10^{-3}$	$0.1084 \times 10^{-3}$	5.249	6	$A_2$	1	5	$A_1$	1
5042.070000	5042.083187	-13.187	$0.4903 \times 10^{-5}$	$0.3165 \times 10^{-5}$	54.918	9	$F_2$	1	9	$F_1$	4
5043.053400	5043.059178	-5.778	$0.3525 \times 10^{-5}$	$0.2877 \times 10^{-5}$	22.536	6	$F_2$	2	5	$F_1$	3
5043.075400	5043.080894	-5.494	$0.5270 \times 10^{-4}$	$0.5082 \times 10^{-4}$	3.697	6	$F_2$	1	5	$F_1$	3
5045.463100	5045.476135	-13.035	$0.1309 \times 10^{-4}$	$0.1247 \times 10^{-4}$	4.977	6	$E$	1	5	$E$	2
5045.808800	5045.809055	-0.255	$0.1316 \times 10^{-4}$	$0.1286 \times 10^{-4}$	2.370	8	$F_2$	1	7	$F_1$	10
5046.378400	5046.383364	-4.964	$0.2274 \times 10^{-5}$	$0.2001 \times 10^{-5}$	13.626	8	$E$	2	7	$E$	6
5046.465000	5046.469006	-4.006	$0.5377 \times 10^{-5}$	$0.4641 \times 10^{-5}$	15.852	8	$E$	1	7	$E$	6
5046.605500	5046.610912	-5.412	$0.2124 \times 10^{-5}$	$0.2146 \times 10^{-5}$	-1.026	8	$F_1$	2	7	$F_2$	9
5046.676500	5046.681970	-5.470	$0.7175 \times 10^{-5}$	$0.6750 \times 10^{-5}$	6.296	8	$F_1$	1	7	$F_2$	9
5047.509500	5047.504766	4.734	$0.1498 \times 10^{-4}$	$0.1339 \times 10^{-4}$	11.906	8	$A_1$	1	7	$A_2$	4
5047.765100	5047.765810	-0.710	$0.6238 \times 10^{-4}$	$0.5856 \times 10^{-4}$	6.526	5	$F_1$	2	4	$F_2$	1
5048.122400	5048.123990	-1.590	$0.3939 \times 10^{-4}$	$0.3724 \times 10^{-4}$	5.771	5	$E$	1	4	$E$	1
5053.632800	5053.642276	-9.476	$0.8998 \times 10^{-5}$	$0.6433 \times 10^{-5}$	39.868	8	$A_1$	1	8	$A_2$	1
5054.156100	5054.166265	-10.165	$0.6260 \times 10^{-5}$	$0.4325 \times 10^{-5}$	44.750	8	$F_1$	1	8	$F_2$	3
5054.578200	5054.591027	-12.827	$0.4511 \times 10^{-5}$	$0.3166 \times 10^{-5}$	42.480	8	$E$	1	8	$E$	2
5056.728300	5056.726972	1.328	$0.3626 \times 10^{-4}$	$0.3449 \times 10^{-4}$	5.122	7	$A_2$	1	6	$A_1$	4
5057.079100	5057.075981	3.119	$0.6224 \times 10^{-5}$	$0.6545 \times 10^{-5}$	-4.905	12	$A_1$	1	12	$A_2$	4
5057.536700	5057.539564	-2.864	$0.8200 \times 10^{-5}$	$0.7634 \times 10^{-5}$	7.413	7	$F_2$	2	6	$F_1$	7
5057.574200	5057.577583	-3.383	$0.9245 \times 10^{-5}$	$0.8308 \times 10^{-5}$	11.274	7	$F_2$	1	6	$F_1$	7
5058.605000	5058.609527	-4.527	$0.1112 \times 10^{-4}$	$0.1025 \times 10^{-4}$	8.481	7	$F_1$	1	6	$F_2$	8



Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5059.875300	5059.873374	1.926	$0.7033 \times 10^{-4}$	$0.6612 \times 10^{-4}$	6.373	5 $F_2$	1	4	$F_1$	1	
5061.286800	5061.296788	-9.988	$0.5000 \times 10^{-4}$	$0.4615 \times 10^{-4}$	8.333	5 $F_1$	1	4	$F_2$	2	
5064.066500	5064.067038	-0.538	$0.2490 \times 10^{-5}$	$0.2259 \times 10^{-5}$	10.215	7 $E$	1	6	$E$	6	
5066.154000	5066.163590	-9.590	$0.6740 \times 10^{-5}$	$0.4930 \times 10^{-5}$	36.715	7 $F_1$	1	7	$F_2$	2	
5066.686000	5066.696731	-10.731	$0.6970 \times 10^{-5}$	$0.5692 \times 10^{-5}$	22.461	7 $F_2$	1	7	$F_1$	3	
5066.702800	5066.705184	-2.384	$0.9057 \times 10^{-5}$	$0.8052 \times 10^{-5}$	12.483	6 $F_2$	2	5	$F_1$	6	
5066.724700	5066.726900	-2.200	$0.1447 \times 10^{-4}$	$0.1414 \times 10^{-4}$	2.338	6 $F_2$	1	5	$F_1$	6	
5067.075500	5067.068678	6.822	$0.6285 \times 10^{-5}$	$0.6979 \times 10^{-5}$	-9.950	11 $F_2$	1	11	$F_1$	11	
5069.167800	5069.166799	1.001	$0.6466 \times 10^{-4}$	$0.6049 \times 10^{-4}$	6.889	4 $F_2$	1	3	$F_1$	1	
5069.761300	5069.761865	-0.565	$0.1101 \times 10^{-4}$	$0.1001 \times 10^{-4}$	10.024	6 $E$	1	5	$E$	4	
5073.583700	5073.562808	20.892	$0.1189 \times 10^{-4}$	$0.1158 \times 10^{-4}$	2.638	11 $A_2$	1	11	$A_1$	4	
5074.470400	5074.483258	-12.858	$0.4259 \times 10^{-5}$	$0.3954 \times 10^{-5}$	7.709	6 $F_1$	1	5	$F_2$	6	
5076.606800	5076.603173	3.627	$0.1393 \times 10^{-4}$	$0.1234 \times 10^{-4}$	12.897	10 $F_2$	1	10	$F_1$	9	
5076.850600	5076.847695	2.905	$0.1837 \times 10^{-4}$	$0.2135 \times 10^{-4}$	-13.943	10 $A_2$	1	10	$A_1$	4	
5077.010800	5077.011756	-0.956	$0.1857 \times 10^{-5}$	$0.1882 \times 10^{-5}$	-1.314	6 $F_2$	2	5	$F_1$	8	
5077.140900	5077.138064	2.836	$0.5309 \times 10^{-4}$	$0.4492 \times 10^{-4}$	18.197	4 $E$	1	3	$E$	1	
5077.295100	5077.294687	0.413	$0.3445 \times 10^{-4}$	$0.3146 \times 10^{-4}$	9.488	5 $F_1$	1	4	$F_2$	4	
5077.644000	5077.649092	-5.092	$0.7464 \times 10^{-5}$	$0.5673 \times 10^{-5}$	31.570	6 $F_2$	1	6	$F_1$	1	
5078.406600	5078.414485	-7.885	$0.2095 \times 10^{-4}$	$0.1645 \times 10^{-4}$	27.394	6 $A_2$	1	6	$A_1$	1	
5078.888600	5078.889309	-0.709	$0.4834 \times 10^{-4}$	$0.4483 \times 10^{-4}$	7.830	4 $F_1$	1	3	$F_2$	2	
5080.740900	5080.739163	1.737	$0.8611 \times 10^{-5}$	$0.8022 \times 10^{-5}$	7.337	5 $E$	1	4	$E$	3	
5081.514300	5081.506717	7.583	$0.1098 \times 10^{-4}$	$0.1139 \times 10^{-4}$	-3.559	10 $F_2$	2	10	$F_1$	10	
5082.224400	5082.216935	7.465	$0.9580 \times 10^{-5}$	$0.9968 \times 10^{-5}$	-3.894	10 $F_1$	1	10	$F_2$	10	
5082.564500	5082.559619	4.881	$0.6033 \times 10^{-5}$	$0.5095 \times 10^{-5}$	18.412	5 $F_1$	2	4	$F_2$	5	
5083.254200	5083.244444	9.756	$0.1647 \times 10^{-4}$	$0.1800 \times 10^{-4}$	-8.507	10 $A_1$	1	10	$A_2$	3	
5083.566700	5083.564616	2.084	$0.2129 \times 10^{-5}$	$0.1804 \times 10^{-5}$	18.011	7 $F_1$	2	6	$F_2$	11	
5085.516500	5085.516895	-0.395	$0.1759 \times 10^{-4}$	$0.2055 \times 10^{-4}$	-14.404	9 $F_1$	1	9	$F_2$	8	
5086.578400	5086.571557	6.843	$0.1546 \times 10^{-4}$	$0.1986 \times 10^{-4}$	-22.146	9 $F_2$	1	9	$F_1$	9	
5086.686800	5086.682059	4.741	$0.1425 \times 10^{-3}$	$0.1353 \times 10^{-3}$	5.343	4 $A_1$	1	3	$A_2$	2	
5088.213800	5088.210644	3.156	$0.1148 \times 10^{-4}$	$0.4129 \times 10^{-5}$	178.002	8 $A_1$	1	8	$A_2$	2	
5088.726600	5088.730605	-4.005	$0.5194 \times 10^{-5}$	$0.3412 \times 10^{-5}$	52.206	5 $F_1$	1	5	$F_2$	1	
5089.420900	5089.424855	-3.955	$0.1032 \times 10^{-4}$	$0.8277 \times 10^{-5}$	24.679	5 $F_2$	1	5	$F_1$	1	
5089.487800	5089.488331	-0.531	$0.1142 \times 10^{-4}$	$0.1211 \times 10^{-4}$	-5.720	9 $E$	1	9	$E$	6	
5089.816800	5089.813718	3.082	$0.1040 \times 10^{-3}$	$0.9578 \times 10^{-4}$	8.582	3 $A_2$	1	2	$A_1$	1	
5090.116100	5090.114512	1.588	$0.1489 \times 10^{-4}$	$0.1594 \times 10^{-4}$	-6.583	9 $F_1$	2	9	$F_2$	9	
5091.557300	5091.555350	1.950	$0.2434 \times 10^{-4}$	$0.2200 \times 10^{-4}$	10.649	4 $F_1$	1	3	$F_2$	3	
5092.853000	5092.850412	2.588	$0.1528 \times 10^{-5}$	$0.1147 \times 10^{-5}$	33.232	6 $F_1$	1	5	$F_2$	8	
5093.565700	5093.561322	4.378	$0.1183 \times 10^{-4}$	$0.1022 \times 10^{-4}$	15.711	6 $A_1$	1	5	$A_2$	3	
5093.764200	5093.766603	-2.403	$0.1883 \times 10^{-5}$	$0.1883 \times 10^{-5}$	0.015	5 $E$	1	4	$E$	4	
5093.890500	5093.888250	2.250	$0.3068 \times 10^{-5}$	$0.2687 \times 10^{-5}$	14.190	4 $F_2$	1	3	$F_1$	3	
5094.113900	5094.110122	3.778	$0.6028 \times 10^{-4}$	$0.5598 \times 10^{-4}$	7.681	3 $F_2$	1	2	$F_1$	1	
5095.258900	5095.274206	-15.306	$0.3660 \times 10^{-4}$	$0.4841 \times 10^{-4}$	-24.401	8 $A_1$	1	8	$A_2$	3	
5095.919200	5095.918289	0.911	$0.2034 \times 10^{-4}$	$0.2678 \times 10^{-4}$	-24.057	8 $F_1$	1	8	$F_2$	8	
5096.335100	5096.320600	14.500	$0.2169 \times 10^{-5}$	$0.1769 \times 10^{-5}$	22.596	8 $E$	2	8	$E$	5	
5096.420100	5096.406242	13.858	$0.1337 \times 10^{-4}$	$0.1695 \times 10^{-4}$	-21.113	8 $E$	1	8	$E$	5	
5096.926600	5096.927372	-0.772	$0.1670 \times 10^{-4}$	$0.1038 \times 10^{-4}$	60.921	7 $F_1$	1	7	$F_2$	5	
5097.446000	5097.448378	-2.378	$0.2481 \times 10^{-4}$	$0.2554 \times 10^{-4}$	-2.867	8 $F_2$	1	8	$F_1$	7	
5098.578800	5098.576761	2.039	$0.4037 \times 10^{-5}$	$0.3967 \times 10^{-5}$	1.760	5 $F_2$	1	4	$F_1$	5	
5100.128800	5100.130011	-1.211	$0.4484 \times 10^{-5}$	$0.3644 \times 10^{-5}$	23.054	4 $F_1$	1	4	$F_2$	1	
5100.474800	5100.469197	5.603	$0.7860 \times 10^{-4}$	$0.6762 \times 10^{-4}$	16.243	3 $F_1$	1	2	$F_2$	2	

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5103.360600	5103.358118	2.482	$0.5240 \times 10^{-5}$	$0.5764 \times 10^{-5}$	-9.085	4	$F_2$	1	3	$F_1$	4
5104.046600	5104.043892	2.708	$0.5490 \times 10^{-5}$	$0.5376 \times 10^{-5}$	2.125	4	$E$	1	3	$E$	2
5104.281600	5104.283623	-2.023	$0.5906 \times 10^{-4}$	$0.5788 \times 10^{-4}$	2.047	7	$A_2$	1	7	$A_1$	2
5104.621100	5104.614078	7.022	$0.2772 \times 10^{-5}$	$0.1794 \times 10^{-5}$	54.552	5	$E$	1	5	$E$	1
5105.862500	5105.868002	-5.502	$0.3021 \times 10^{-5}$	$0.2660 \times 10^{-5}$	13.574	5	$F_2$	1	5	$F_1$	3
5106.367000	5106.364219	2.781	$0.2072 \times 10^{-4}$	$0.2646 \times 10^{-4}$	-21.703	7	$F_1$	1	7	$F_2$	6
5111.071100	5111.069957	1.143	$0.4056 \times 10^{-5}$	$0.3605 \times 10^{-5}$	12.501	3	$F_2$	1	3	$F_1$	1
5112.114800	5112.090171	24.629	$0.1427 \times 10^{-4}$	$0.9586 \times 10^{-5}$	48.866	6	$F_2$	2	6	$F_1$	5
5112.088000	5112.093434	-5.434		$0.2522 \times 10^{-4}$		5	$F_1$	1	5	$F_2$	3
5112.805300	5112.801493	3.807	$0.9257 \times 10^{-5}$	$0.8712 \times 10^{-5}$	6.261	3	$F_2$	1	2	$F_1$	2
5113.575400	5113.570316	5.084	$0.4722 \times 10^{-4}$	$0.4401 \times 10^{-4}$	7.291	2	$F_2$	1	1	$F_1$	2
5113.636500	5113.646409	-9.909	$0.9421 \times 10^{-5}$	$0.8530 \times 10^{-5}$	10.442	4	$F_1$	1	4	$F_2$	2
5114.934900	5114.929087	5.813	$0.4895 \times 10^{-5}$	$0.4022 \times 10^{-5}$	21.703	5	$F_2$	1	4	$F_1$	7
5117.403900	5117.399729	4.171	$0.3591 \times 10^{-5}$	$0.2842 \times 10^{-5}$	26.351	3	$F_1$	1	2	$F_2$	3
5117.864000	5117.857816	6.184	$0.3591 \times 10^{-4}$	$0.3322 \times 10^{-4}$	8.091	2	$E$	1	1	$E$	1
5118.688600	5118.689395	-0.795	$0.1228 \times 10^{-3}$	$0.9214 \times 10^{-4}$	33.273	4	$A_1$	1	4	$A_2$	1
5120.787500	5120.788224	-0.724	$0.1463 \times 10^{-4}$	$0.1234 \times 10^{-4}$	18.582	3	$F_1$	1	3	$F_2$	2
5122.285100	5122.279805	5.295	$0.2145 \times 10^{-5}$	$0.2248 \times 10^{-5}$	-4.573	7	$F_1$	2	6	$F_2$	16
5122.952700	5122.945111	7.589	$0.2362 \times 10^{-5}$	$0.2598 \times 10^{-5}$	-9.089	7	$E$	1	6	$E$	10
5124.717200	5124.703164	14.036	$0.6397 \times 10^{-5}$	$0.6269 \times 10^{-5}$	2.036	10	$A_2$	1	10	$A_1$	7
5125.544400	5125.544568	-0.168		$0.3944 \times 10^{-5}$		2	$F_2$	1	2	$F_1$	1
5126.016700	5126.013599	3.101		$0.1618 \times 10^{-4}$		6	$A_1$	1	5	$A_2$	4
5128.512700	5128.506461	6.239		$0.2624 \times 10^{-5}$		8	$F_1$	2	8	$F_2$	12
5129.430500	5129.430347	0.153	$0.2248 \times 10^{-4}$	$0.2514 \times 10^{-4}$	-10.593	7	$F_2$	2	7	$F_1$	10
5129.468100	5129.468365	-0.265	$0.7337 \times 10^{-5}$	$0.5614 \times 10^{-5}$	30.692	7	$F_2$	1	7	$F_1$	10
5129.512700	5129.514008	-1.308	$0.2674 \times 10^{-4}$	$0.2150 \times 10^{-4}$	24.372	5	$F_2$	1	5	$F_1$	6
5129.644100	5129.644308	-0.208		$0.2167 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	4
5129.962400	5129.961299	1.101	$0.8734 \times 10^{-4}$	$0.8766 \times 10^{-4}$	-0.361	6	$A_2$	1	6	$A_1$	4
5129.997500	5129.988580	8.920	$0.2708 \times 10^{-4}$	$0.2648 \times 10^{-4}$	2.265	9	$A_1$	1	9	$A_2$	5
5130.030300	5130.034504	-4.204		$0.2540 \times 10^{-4}$		7	$E$	1	7	$E$	6
5130.231500	5130.236997	-5.497	$0.2804 \times 10^{-4}$	$0.2637 \times 10^{-4}$	6.325	7	$F_1$	2	7	$F_2$	9
5130.680200	5130.672738	7.462	$0.1720 \times 10^{-5}$	$0.1689 \times 10^{-5}$	1.806	7	$E$	1	6	$E$	11
5130.764400	5130.767351	-2.951	$0.3780 \times 10^{-4}$	$0.3661 \times 10^{-4}$	3.252	6	$F_2$	2	6	$F_1$	7
5130.767870	5130.767351	0.519		$0.3661 \times 10^{-4}$		6	$F_2$	2	6	$F_1$	7
5130.786000	5130.789068	-3.068	$0.1080 \times 10^{-4}$	$0.1182 \times 10^{-4}$	-8.627	6	$F_2$	1	6	$F_1$	7
5130.845400	5130.842691	2.709	$0.7236 \times 10^{-5}$	$0.7137 \times 10^{-5}$	1.380	5	$F_1$	2	4	$F_2$	9
5131.787000	5131.791238	-4.238	$0.4056 \times 10^{-4}$	$0.3958 \times 10^{-4}$	2.476	6	$F_1$	1	6	$F_2$	8
5132.538200	5132.538121	0.079	$0.3356 \times 10^{-4}$	$0.3074 \times 10^{-4}$	9.179	5	$E$	1	5	$E$	4
5132.882600	5132.876454	6.146	$0.1902 \times 10^{-4}$	$0.1779 \times 10^{-4}$	6.936	1	$F_1$	1	0	$F_2$	1
5133.102000	5133.100311	1.689	$0.3325 \times 10^{-4}$	$0.2909 \times 10^{-4}$	14.298	4	$E$	1	4	$E$	3
5133.456400	5133.454264	2.136	$0.5213 \times 10^{-4}$	$0.4649 \times 10^{-4}$	12.121	3	$F_1$	1	3	$F_2$	3
5134.412500	5134.411704	0.796	$0.1764 \times 10^{-4}$	$0.1792 \times 10^{-4}$	-1.539	7	$F_1$	2	7	$F_2$	11
5134.927000	5134.923821	3.179	$0.2260 \times 10^{-4}$	$0.2133 \times 10^{-4}$	5.968	4	$F_1$	1	4	$F_2$	5
5135.203910	5135.215060	-11.150		$0.1054 \times 10^{-3}$		6	$A_1$	1	6	$A_2$	3
5135.291600	5135.290982	0.618	$0.6750 \times 10^{-5}$	$0.5522 \times 10^{-5}$	22.235	4	$E$	1	3	$E$	4
5135.794000	5135.791409	2.591	$0.3931 \times 10^{-4}$	$0.3463 \times 10^{-4}$	13.511	3	$F_2$	1	3	$F_1$	3
5135.949600	5135.947268	2.332	$0.2574 \times 10^{-5}$	$0.2624 \times 10^{-5}$	-1.922	4	$F_2$	1	3	$F_1$	7
5136.179300	5136.183693	-4.393	$0.2679 \times 10^{-5}$	$0.6640 \times 10^{-5}$	-59.654	7	$A_2$	1	8	$A_1$	2
5136.386000	5136.395280	-9.280	$0.2330 \times 10^{-5}$	$0.2090 \times 10^{-5}$	11.489	6	$F_1$	1	5	$F_2$	12
5137.272900	5137.285588	-12.688	$0.6065 \times 10^{-4}$	$0.5971 \times 10^{-4}$	1.571	5	$F_1$	2	5	$F_2$	6

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5137.527200	5137.524397	2.803	$0.4007 \times 10^{-4}$	$0.3689 \times 10^{-4}$	8.625	2	$E$	1	2	$E$	2
5137.867700	5137.858138	9.562		$0.1990 \times 10^{-5}$		7	$F_1$	2	6	$F_2$	18
5139.318000	5139.318611	-0.611	$0.6368 \times 10^{-4}$	$0.5714 \times 10^{-4}$	11.444	4	$F_2$	1	4	$F_1$	4
5139.820300	5139.820581	-0.281	$0.3878 \times 10^{-5}$	$0.4397 \times 10^{-5}$	-11.810	5	$F_2$	1	5	$F_1$	8
5139.984400	5139.986909	-2.509	$0.6943 \times 10^{-5}$	$0.6078 \times 10^{-5}$	14.238	5	$F_1$	2	4	$F_2$	10
5140.323500	5140.324967	-1.467	$0.3126 \times 10^{-5}$	$0.9953 \times 10^{-6}$	214.078	4	$A_1$	1	5	$A_2$	1
5143.603600	5143.603599	0.001	$0.1264 \times 10^{-4}$	$0.1269 \times 10^{-4}$	-0.432	4	$F_2$	1	3	$F_1$	8
5144.028400	5144.019555	8.845	$0.2379 \times 10^{-5}$	$0.3103 \times 10^{-5}$	-23.325	6	$A_1$	1	5	$A_2$	5
5144.239600	5144.235938	3.662	$0.6730 \times 10^{-4}$	$0.6238 \times 10^{-4}$	7.891	2	$F_2$	1	2	$F_1$	2
5144.885300	5144.884990	0.310	$0.8785 \times 10^{-5}$	$0.8691 \times 10^{-5}$	1.083	3	$F_2$	1	2	$F_1$	3
5145.138500	5145.133884	4.616	$0.4915 \times 10^{-4}$	$0.4581 \times 10^{-4}$	7.286	1	$F_1$	1	1	$F_2$	1
5145.263100	5145.261277	1.823	$0.3679 \times 10^{-4}$	$0.3479 \times 10^{-4}$	5.740	3	$F_2$	1	3	$F_1$	4
5146.125100	5146.127751	-2.651	$0.1759 \times 10^{-4}$	$0.2058 \times 10^{-4}$	-14.541	4	$E$	1	4	$E$	4
5146.618800	5146.617551	1.249	$0.1586 \times 10^{-3}$	$0.1488 \times 10^{-3}$	6.576	3	$A_2$	1	3	$A_1$	1
5147.249900	5147.249336	0.564	$0.2755 \times 10^{-4}$	$0.2744 \times 10^{-4}$	0.398	3	$A_2$	1	2	$A_1$	2
5150.031400	5150.031068	0.332	$0.5903 \times 10^{-5}$	$0.6115 \times 10^{-5}$	-3.470	2	$F_2$	1	1	$F_1$	3
5150.927100	5150.924664	2.436	$0.5940 \times 10^{-5}$	$0.4258 \times 10^{-5}$	39.491	4	$F_2$	1	4	$F_1$	5
5152.866800	5152.859676	7.124	$0.4073 \times 10^{-5}$	$0.4972 \times 10^{-5}$	-18.079	4	$F_1$	1	4	$F_2$	6
5153.622000	5153.618590	3.410	$0.4015 \times 10^{-4}$	$0.5261 \times 10^{-4}$	-23.680	4	$A_1$	1	4	$A_2$	2
5154.303700	5154.303017	0.683	$0.2508 \times 10^{-4}$	$0.2430 \times 10^{-4}$	3.192	4	$F_2$	1	4	$F_1$	6
5155.654900	5155.652741	2.159	$0.1933 \times 10^{-4}$	$0.1699 \times 10^{-4}$	13.769	5	$F_1$	2	5	$F_2$	8
5155.668500	5155.667321	1.179	$0.4553 \times 10^{-5}$	$0.6296 \times 10^{-5}$	-27.679	5	$F_1$	1	5	$F_2$	8
5156.327300	5156.329676	-2.376	$0.2500 \times 10^{-4}$	$0.2598 \times 10^{-4}$	-3.761	5	$E$	1	5	$E$	6
5156.804200	5156.802017	2.183	$0.1242 \times 10^{-4}$	$0.1191 \times 10^{-4}$	4.289	6	$F_1$	1	6	$F_2$	11
5157.111300	5157.118085	-6.785	$0.2515 \times 10^{-4}$	$0.2386 \times 10^{-4}$	5.418	6	$F_2$	2	6	$F_1$	10
5157.154500	5157.153169	1.331		$0.2962 \times 10^{-5}$		9	$A_1$	1	9	$A_2$	6
5157.715700	5157.709819	5.881	$0.2002 \times 10^{-4}$	$0.2375 \times 10^{-4}$	-15.704	4	$F_1$	1	4	$F_2$	7
5157.772300	5157.771233	1.067	$0.6627 \times 10^{-5}$	$0.5370 \times 10^{-5}$	23.408	8	$F_1$	2	8	$F_2$	15
5157.797000	5157.802392	-5.392	$0.1250 \times 10^{-4}$	$0.1210 \times 10^{-4}$	3.309	7	$F_2$	2	7	$F_1$	13
5158.333500	5158.351194	-17.694	$0.4085 \times 10^{-4}$	$0.3740 \times 10^{-4}$	9.223	7	$A_2$	1	7	$A_1$	4
5158.505900	5158.518023	-12.123	$0.4325 \times 10^{-5}$	$0.4017 \times 10^{-5}$	7.669	9	$E$	1	9	$E$	12
5161.095800	5161.090534	5.266	$0.8790 \times 10^{-4}$	$0.8032 \times 10^{-4}$	9.432	0	$A_1$	1	1	$A_2$	1
5162.497300	5162.491087	6.213	$0.1722 \times 10^{-5}$	$0.1197 \times 10^{-5}$	43.869	3	$F_1$	1	2	$F_2$	6
5162.886100	5162.902046	-15.946	$0.6307 \times 10^{-5}$	$0.4295 \times 10^{-5}$	46.851	6	$A_1$	1	7	$A_2$	2
5164.612400	5164.614664	-2.264		$0.5201 \times 10^{-6}$		7	$A_2$	1	6	$A_1$	7
5165.827600	5165.828216	-0.616	$0.4472 \times 10^{-5}$	$0.2042 \times 10^{-5}$	119.017	7	$E$	1	6	$E$	14
5166.234600	5166.235484	-0.884	$0.2101 \times 10^{-5}$	$0.6273 \times 10^{-6}$	234.927	7	$F_1$	1	6	$F_2$	20
5166.501400	5166.498466	2.934	$0.1664 \times 10^{-4}$	$0.1912 \times 10^{-4}$	-12.992	3	$F_1$	1	3	$F_2$	5
5167.227500	5167.225855	1.645	$0.1067 \times 10^{-4}$	$0.6136 \times 10^{-5}$	73.882	2	$F_2$	1	3	$F_1$	3
5167.281700	5167.276990	4.710	$0.8876 \times 10^{-5}$	$0.1009 \times 10^{-4}$	-12.067	4	$F_2$	1	4	$F_1$	7
5167.569300	5167.567905	1.395	$0.4704 \times 10^{-5}$	$0.1008 \times 10^{-5}$	366.885	6	$F_2$	2	5	$F_1$	16
5168.444900	5168.444483	0.417	$0.4868 \times 10^{-5}$	$0.4985 \times 10^{-5}$	-2.353	1	$F_1$	1	1	$F_2$	2
5169.797700	5169.793845	3.855	$0.5133 \times 10^{-4}$	$0.4541 \times 10^{-4}$	13.040	1	$F_1$	1	2	$F_2$	3
5170.316700	5170.312668	4.032		$0.1549 \times 10^{-5}$		5	$F_1$	2	4	$F_2$	12
5170.652900	5170.654566	-1.666	$0.5490 \times 10^{-5}$	$0.1558 \times 10^{-5}$	252.464	5	$E$	1	4	$E$	9
5170.731300	5170.725479	5.821	$0.1998 \times 10^{-4}$	$0.2192 \times 10^{-4}$	-8.846	3	$F_2$	1	3	$F_1$	6
5172.323000	5172.315993	7.007	$0.1217 \times 10^{-4}$	$0.5781 \times 10^{-5}$	110.512	5	$F_1$	2	4	$F_2$	13
5172.904300	5172.892713	11.587	$0.1489 \times 10^{-5}$	$0.7025 \times 10^{-6}$	111.952	4	$F_1$	1	3	$F_2$	9
5173.138800	5173.138404	0.396	$0.2708 \times 10^{-4}$	$0.2081 \times 10^{-4}$	30.111	2	$E$	1	2	$E$	3
5173.781500	5173.782747	-1.247	$0.1155 \times 10^{-4}$	$0.4332 \times 10^{-5}$	166.647	4	$F_2$	1	3	$F_1$	10

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5174.107100	5174.106565	0.535	$0.3858 \times 10^{-5}$	$0.1661 \times 10^{-5}$	132.325	5	$F_2$	1	4	$F_1$	12
5175.400500	5175.410994	-10.494		$0.8990 \times 10^{-5}$		4	$F_2$	1	4	$F_1$	8
5176.319664	5176.319436	0.228		$0.1317 \times 10^{-4}$		2	$F_2$	1	2	$F_1$	3
5176.697600	5176.695723	1.877		$0.1540 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	4
5177.381000	5177.377784	3.216	$0.1346 \times 10^{-4}$	$0.6813 \times 10^{-5}$	97.574	2	$E$	1	3	$E$	2
5177.515700	5177.517950	-2.250	$0.1955 \times 10^{-4}$	$0.2513 \times 10^{-4}$	-22.216	6	$A_2$	1	7	$A_1$	2
5177.580100	5177.590394	-10.294	$0.1801 \times 10^{-4}$	$0.1651 \times 10^{-4}$	9.113	4	$E$	1	4	$E$	6
5177.851500	5177.850426	1.074	$0.4159 \times 10^{-5}$	$0.3753 \times 10^{-5}$	10.819	3	$F_2$	1	3	$F_1$	7
5178.326000	5178.324175	1.825	$0.1982 \times 10^{-4}$	$0.8441 \times 10^{-5}$	134.798	3	$A_2$	1	2	$A_1$	3
5179.474400	5179.473316	1.084	$0.2786 \times 10^{-5}$	$0.3606 \times 10^{-5}$	-22.743	7	$F_1$	2	8	$F_2$	8
5179.549600	5179.545930	3.670	$0.4589 \times 10^{-5}$	$0.7205 \times 10^{-5}$	-36.304	6	$F_1$	1	7	$F_2$	6
5179.821000	5179.828022	-7.022	$0.1114 \times 10^{-4}$	$0.1106 \times 10^{-4}$	0.699	3	$F_1$	1	3	$F_2$	6
5179.985600	5179.971740	13.860	$0.4012 \times 10^{-5}$	$0.4624 \times 10^{-5}$	-13.238	7	$E$	1	8	$E$	5
5180.212800	5180.215729	-2.929	$0.3758 \times 10^{-5}$	$0.2379 \times 10^{-5}$	57.984	3	$F_1$	1	2	$F_2$	7
5180.472400	5180.465617	6.783	$0.2767 \times 10^{-5}$	$0.2695 \times 10^{-5}$	2.655	8	$F_2$	2	9	$F_1$	9
5181.033300	5181.030435	2.865	$0.3772 \times 10^{-5}$	$0.2755 \times 10^{-5}$	36.899	9	$A_2$	1	10	$A_1$	4
5181.066800	5181.069669	-2.869	$0.5013 \times 10^{-5}$	$0.6447 \times 10^{-5}$	-22.245	7	$F_2$	2	8	$F_1$	7
5181.105900	5181.107688	-1.788	$0.2674 \times 10^{-5}$	$0.2378 \times 10^{-5}$	12.424	7	$F_2$	1	8	$F_1$	7
5181.222000	5181.221770	0.230	$0.2508 \times 10^{-4}$	$0.2874 \times 10^{-4}$	-12.728	3	$F_2$	1	4	$F_1$	4
5184.116700	5184.115001	1.699	$0.4783 \times 10^{-5}$	$0.4294 \times 10^{-5}$	11.395	8	$F_1$	2	9	$F_2$	9
5184.509100	5184.508908	0.192	$0.7339 \times 10^{-5}$	$0.7859 \times 10^{-5}$	-6.613	3	$F_1$	1	3	$F_2$	7
5184.611200	5184.608932	2.268	$0.6258 \times 10^{-5}$	$0.3487 \times 10^{-5}$	79.458	2	$F_2$	1	1	$F_1$	4
5184.898800	5184.899269	-0.469	$0.1228 \times 10^{-4}$	$0.1398 \times 10^{-4}$	-12.136	4	$E$	1	5	$E$	4
5185.459500	5185.458567	0.933	$0.1429 \times 10^{-3}$	$0.1575 \times 10^{-3}$	-9.298	3	$A_2$	1	4	$A_1$	3
5186.555000	5186.546228	8.772	$0.2335 \times 10^{-5}$	$0.1281 \times 10^{-5}$	82.305	9	$F_1$	3	10	$F_2$	10
5187.202400	5187.199764	2.636	$0.8668 \times 10^{-4}$	$0.9540 \times 10^{-4}$	-9.137	2	$F_2$	1	3	$F_1$	5
5188.035700	5188.035399	0.301	$0.7104 \times 10^{-4}$	$0.5958 \times 10^{-4}$	19.235	3	$A_2$	1	3	$A_1$	2
5188.114300	5188.113755	0.545	$0.2151 \times 10^{-4}$	$0.1638 \times 10^{-4}$	31.333	2	$F_2$	1	2	$F_1$	4
5189.636700	5189.649789	-13.089	$0.6576 \times 10^{-5}$	$0.6657 \times 10^{-5}$	-1.224	4	$F_1$	1	5	$F_2$	6
5190.973300	5190.969111	4.189	$0.6732 \times 10^{-4}$	$0.7408 \times 10^{-4}$	-9.129	2	$E$	1	3	$E$	3
5191.046500	5191.046468	0.032		$0.3313 \times 10^{-4}$		1	$F_1$	1	2	$F_2$	4
5192.168400	5192.168483	-0.083	$0.6693 \times 10^{-4}$	$0.7031 \times 10^{-4}$	-4.806	4	$F_2$	1	5	$F_1$	8
5192.347500	5192.351111	-3.611	$0.1472 \times 10^{-4}$	$0.1682 \times 10^{-4}$	-12.502	4	$F_1$	1	4	$F_2$	10
5192.830000	5192.827823	2.177	$0.3699 \times 10^{-4}$	$0.3392 \times 10^{-4}$	9.049	3	$F_2$	1	4	$F_1$	5
5193.407400	5193.406010	1.390	$0.2892 \times 10^{-4}$	$0.2993 \times 10^{-4}$	-3.381	1	$F_1$	1	2	$F_2$	5
5193.575500	5193.576176	-0.676		$0.5957 \times 10^{-5}$		5	$F_2$	1	6	$F_1$	7
5193.968300	5193.965198	3.102	$0.1406 \times 10^{-4}$	$0.9046 \times 10^{-5}$	55.423	3	$F_2$	1	3	$F_1$	9
5194.589700	5194.593567	-3.867	$0.1478 \times 10^{-4}$	$0.1436 \times 10^{-4}$	2.916	5	$F_1$	2	6	$F_2$	8
5194.602200	5194.608148	-5.948	$0.3131 \times 10^{-5}$	$0.3423 \times 10^{-5}$	-8.542	5	$F_1$	1	6	$F_2$	8
5194.726000	5194.736047	-10.047	$0.1396 \times 10^{-4}$	$0.6587 \times 10^{-5}$	111.928	2	$E$	1	1	$E$	2
5194.766300	5194.758590	7.710	$0.4609 \times 10^{-4}$	$0.4658 \times 10^{-4}$	-1.054	3	$F_1$	1	4	$F_2$	6
5195.393700	5195.396399	-2.699	$0.2456 \times 10^{-4}$	$0.1562 \times 10^{-4}$	57.267	1	$F_1$	1	1	$F_2$	3
5195.866900	5195.866479	0.421	$0.2862 \times 10^{-4}$	$0.2177 \times 10^{-4}$	31.481	4	$F_2$	1	4	$F_1$	10
5196.206900	5196.206175	0.725	$0.3953 \times 10^{-4}$	$0.4120 \times 10^{-4}$	-4.057	3	$F_2$	1	4	$F_1$	6
5197.420100	5197.424350	-4.250	$0.1077 \times 10^{-4}$	$0.4620 \times 10^{-5}$	133.103	3	$F_2$	1	2	$F_1$	6
5198.866900	5198.867260	-0.360	$0.5774 \times 10^{-4}$	$0.4274 \times 10^{-4}$	35.098	0	$A_1$	1	1	$A_2$	2
5199.179400	5199.192699	-13.299	$0.3149 \times 10^{-4}$	$0.9099 \times 10^{-5}$	246.094	3	$F_1$	1	2	$F_2$	8
5199.203700	5199.212190	-8.490	$0.1857 \times 10^{-4}$	$0.2086 \times 10^{-4}$	-10.968	5	$F_1$	1	5	$F_2$	12
5199.614500	5199.608733	5.767	$0.7219 \times 10^{-4}$	$0.7646 \times 10^{-4}$	-5.581	3	$F_1$	1	4	$F_2$	7
5199.703300	5199.728576	-25.276	$0.6882 \times 10^{-4}$	$0.1656 \times 10^{-4}$	315.468	4	$A_1$	1	3	$A_2$	4

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5199.819600	5199.806631	12.969	$0.5123 \times 10^{-4}$	$0.7545 \times 10^{-5}$	578.990	7	$A_2$	1	6	$A_1$	8
5200.099500	5200.099948	-0.448	$0.3562 \times 10^{-4}$	$0.3316 \times 10^{-4}$	7.409	5	$E$	1	6	$E$	6
5200.251500	5200.259779	-8.279	$0.1080 \times 10^{-4}$	$0.5217 \times 10^{-5}$	107.014	1	$F_1$	1	0	$F_2$	2
5200.279200	5200.274121	5.079	$0.4829 \times 10^{-5}$	$0.2646 \times 10^{-5}$	82.514	4	$F_1$	1	4	$F_2$	11
5200.517200	5200.529619	-12.419	$0.3281 \times 10^{-4}$	$0.8334 \times 10^{-5}$	293.696	4	$F_1$	1	3	$F_2$	10
5200.809300	5200.817826	-8.526	$0.6153 \times 10^{-5}$	$0.1141 \times 10^{-5}$	439.122	5	$F_2$	1	4	$F_1$	13
5200.917500	5200.937473	-19.973	$0.3990 \times 10^{-4}$	$0.6756 \times 10^{-5}$	490.596	5	$F_1$	1	4	$F_2$	14
5200.956300	5200.960543	-4.243	$0.1414 \times 10^{-4}$	$0.3137 \times 10^{-5}$	350.707	6	$F_2$	2	5	$F_1$	18
5200.976900	5200.982260	-5.360	$0.2459 \times 10^{-4}$	$0.2375 \times 10^{-5}$	935.267	6	$F_2$	1	5	$F_1$	18
5201.045500	5201.047980	-2.480	$0.1971 \times 10^{-4}$	$0.1639 \times 10^{-4}$	20.250	5	$E$	1	5	$E$	9
5201.151600	5201.154885	-3.285	$0.8695 \times 10^{-5}$	$0.3008 \times 10^{-5}$	189.107	4	$F_2$	1	3	$F_1$	12
5201.460300	5201.444877	15.423	$0.2103 \times 10^{-4}$	$0.8237 \times 10^{-5}$	155.317	6	$A_1$	1	6	$A_2$	6
5201.529100	5201.528424	0.676	$0.1369 \times 10^{-4}$	$0.3517 \times 10^{-5}$	289.304	5	$E$	1	4	$E$	10
5201.558000	5201.560663	-2.663	$0.1596 \times 10^{-4}$	$0.4532 \times 10^{-5}$	252.182	2	$F_2$	1	1	$F_1$	5
5202.165200	5202.159924	5.276		$0.1577 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	6
5202.621800	5202.609406	12.394	$0.1052 \times 10^{-4}$	$0.5491 \times 10^{-5}$	91.570	6	$F_1$	1	6	$F_2$	17
5202.762000	5202.656861	105.139	$0.1328 \times 10^{-4}$	$0.1678 \times 10^{-5}$	691.342	10	$F_1$	1	9	$F_2$	36
5203.286800	5203.291159	-4.359	$0.3753 \times 10^{-5}$	$0.3344 \times 10^{-5}$	12.220	6	$E$	1	7	$E$	6
5203.469200	5203.474399	-5.199	$0.1319 \times 10^{-4}$	$0.1154 \times 10^{-4}$	14.255	6	$F_1$	1	7	$F_2$	9
5203.528900	5203.517844	11.056	$0.1717 \times 10^{-4}$	$0.3793 \times 10^{-5}$	352.660	4	$E$	1	3	$E$	7
5203.937100	5203.929392	7.708	$0.4841 \times 10^{-5}$	$0.3913 \times 10^{-5}$	23.728	6	$E$	1	6	$E$	11
5203.980000	5203.963389	16.611		$0.2122 \times 10^{-5}$		3	$F_2$	1	2	$F_1$	7
5204.294500	5204.289940	4.560	$0.7254 \times 10^{-4}$	$0.7315 \times 10^{-4}$	-0.839	6	$A_1$	1	7	$A_2$	4
5204.541600	5204.536183	5.417		$0.4889 \times 10^{-5}$		5	$F_2$	1	4	$F_1$	14
5205.484200	5205.475022	9.178	$0.6659 \times 10^{-4}$	$0.7982 \times 10^{-5}$	734.254	6	$A_2$	1	5	$A_1$	5
5205.586183	5205.579297	6.886		$0.1528 \times 10^{-5}$		6	$F_2$	2	5	$F_1$	19
5205.609883	5205.601013	8.870		$0.2627 \times 10^{-5}$		6	$F_2$	1	5	$F_1$	19
5205.852100	5205.838668	13.432		$0.3376 \times 10^{-6}$		4	$F_1$	1	3	$F_2$	11
5205.904300	5205.913735	-9.435	$0.1616 \times 10^{-4}$	$0.1277 \times 10^{-4}$	26.511	6	$F_2$	2	6	$F_1$	15
5205.932683	5205.921806	10.877		$0.1604 \times 10^{-5}$		5	$F_1$	2	4	$F_2$	15
5205.948432	5205.936386	12.046		$0.6999 \times 10^{-6}$		5	$F_1$	1	4	$F_2$	15
5206.980100	5206.975004	5.096		$0.1428 \times 10^{-5}$		6	$F_1$	1	5	$F_2$	18
5207.650200	5207.649105	1.095	$0.2931 \times 10^{-4}$	$0.2952 \times 10^{-4}$	-0.711	6	$F_1$	1	7	$F_2$	11
5208.018400	5208.016942	1.458	$0.8533 \times 10^{-4}$	$0.8637 \times 10^{-4}$	-1.202	4	$F_1$	1	5	$F_2$	8
5208.074900	5208.069497	5.403	$0.1823 \times 10^{-4}$	$0.8840 \times 10^{-5}$	106.221	2	$E$	1	2	$E$	5
5208.158900	5208.156523	2.377	$0.1384 \times 10^{-4}$	$0.5995 \times 10^{-5}$	130.864	2	$F_2$	1	2	$F_1$	5
5208.500900	5208.497496	3.404	$0.9265 \times 10^{-5}$	$0.7889 \times 10^{-5}$	17.445	6	$F_2$	2	6	$F_1$	16
5208.625800	5208.624874	0.926	$0.6336 \times 10^{-5}$	$0.7148 \times 10^{-5}$	-11.355	2	$E$	1	3	$E$	4
5208.688600	5208.690825	-2.225	$0.4971 \times 10^{-4}$	$0.5294 \times 10^{-4}$	-6.098	4	$E$	1	5	$E$	6
5208.738200	5208.733684	4.516	$0.1876 \times 10^{-3}$	$0.1997 \times 10^{-3}$	-6.069	4	$A_1$	1	5	$A_2$	3
5209.185500	5209.180149	5.351	$0.1222 \times 10^{-4}$	$0.1255 \times 10^{-4}$	-2.595	3	$F_2$	1	4	$F_1$	7
5209.286400	5209.284872	1.528	$0.2762 \times 10^{-4}$	$0.2874 \times 10^{-4}$	-3.908	2	$F_2$	1	3	$F_1$	7
5211.028100	5211.040322	-12.222	$0.4607 \times 10^{-4}$	$0.4452 \times 10^{-4}$	3.477	7	$A_2$	1	7	$A_1$	6
5211.104800	5211.095540	9.260	$0.5959 \times 10^{-5}$	$0.6108 \times 10^{-5}$	-2.441	6	$F_1$	1	6	$F_2$	18
5212.139700	5212.132546	7.154	$0.2676 \times 10^{-4}$	$0.2864 \times 10^{-4}$	-6.557	7	$F_1$	2	8	$F_2$	12
5212.395100	5212.385551	9.549	$0.5490 \times 10^{-5}$	$0.3896 \times 10^{-5}$	40.926	9	$F_1$	3	9	$F_2$	24
5212.444800	5212.435271	9.529	$0.5179 \times 10^{-5}$	$0.4885 \times 10^{-5}$	6.027	9	$F_1$	2	9	$F_2$	24
5214.530700	5214.529452	1.248	$0.1167 \times 10^{-4}$	$0.3637 \times 10^{-5}$	220.866	2	$F_2$	1	1	$F_1$	6
5214.628500	5214.629415	-0.915		$0.9563 \times 10^{-5}$		7	$F_1$	1	7	$F_2$	20
5214.695800	5214.694635	1.165		$0.8543 \times 10^{-5}$		7	$F_2$	1	7	$F_1$	20

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5214.803600	5214.791628	11.972	$0.3410 \times 10^{-4}$	$0.1576 \times 10^{-4}$	116.432	3	$F_1$	1	3	$F_2$	9
5214.891372	5214.885203	6.169	$0.9786 \times 10^{-5}$	$0.6373 \times 10^{-5}$	53.558	1	$F_1$	1	2	$F_2$	6
5215.684000	5215.685906	-1.906	$0.1381 \times 10^{-4}$	$0.7062 \times 10^{-5}$	95.542	3	$F_2$	1	3	$F_1$	10
5215.827800	5215.809230	18.570	$0.5155 \times 10^{-4}$	$0.5071 \times 10^{-4}$	1.658	7	$A_2$	1	8	$A_1$	5
5216.264929	5216.268010	-3.081		$0.1310 \times 10^{-5}$		2	$E$	1	1	$E$	3
5216.275363	5216.275533	-0.170		$0.3204 \times 10^{-5}$		1	$F_1$	1	1	$F_2$	4
5216.461000	5216.446783	14.217	$0.1306 \times 10^{-4}$	$0.1368 \times 10^{-4}$	-4.538	4	$F_1$	1	5	$F_2$	9
5216.941000	5216.941204	-0.204	$0.2838 \times 10^{-5}$	$0.2475 \times 10^{-5}$	14.657	2	$F_2$	1	3	$F_1$	8
5217.011600	5217.013057	-1.457	$0.6583 \times 10^{-4}$	$0.1476 \times 10^{-4}$	346.151	3	$A_2$	1	2	$A_1$	4
5219.620900	5219.618927	1.973	$0.7995 \times 10^{-4}$	$0.8486 \times 10^{-4}$	-5.791	5	$F_1$	1	6	$F_2$	11
5219.919700	5219.926909	-7.209	$0.7552 \times 10^{-4}$	$0.7952 \times 10^{-4}$	-5.030	5	$F_2$	1	6	$F_1$	10
5219.991600	5219.983658	7.942	$0.1392 \times 10^{-4}$	$0.1334 \times 10^{-4}$	4.353	8	$F_2$	2	9	$F_1$	15
5220.168500	5220.150313	18.187	$0.1158 \times 10^{-4}$	$0.9200 \times 10^{-5}$	25.874	8	$E$	2	9	$E$	10
5220.207300	5220.193605	13.695	$0.9093 \times 10^{-5}$	$0.1047 \times 10^{-4}$	-13.169	8	$F_2$	1	8	$F_1$	23
5221.382700	5221.387204	-4.504	$0.2036 \times 10^{-4}$	$0.3555 \times 10^{-5}$	472.641	3	$F_2$	1	2	$F_1$	8
5221.814100	5221.784376	29.724	$0.7652 \times 10^{-4}$	$0.3392 \times 10^{-4}$	125.612	4	$A_1$	1	4	$A_2$	4
5222.502700	5222.481657	21.043	$0.1369 \times 10^{-4}$	$0.1360 \times 10^{-4}$	0.654	8	$F_2$	1	9	$F_1$	16
5222.682200	5222.676869	5.331		$0.1388 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	12
5223.013100	5223.015714	-2.614	$0.1797 \times 10^{-4}$	$0.7788 \times 10^{-5}$	130.728	4	$E$	1	4	$E$	9
5223.288700	5223.297366	-8.666	$0.4477 \times 10^{-4}$	$0.5545 \times 10^{-5}$	707.348	4	$F_2$	1	3	$F_1$	13
5224.098400	5224.089093	9.307	$0.4912 \times 10^{-5}$	$0.4883 \times 10^{-5}$	0.591	8	$A_1$	1	9	$A_2$	5
5225.107486	5225.105807	1.679		$0.1058 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	9
5225.403300	5225.399644	3.656	$0.1433 \times 10^{-4}$	$0.1111 \times 10^{-4}$	28.988	2	$F_2$	1	3	$F_1$	9
5225.579100	5225.587729	-8.629	$0.1162 \times 10^{-4}$	$0.1432 \times 10^{-5}$	711.616	3	$F_1$	1	2	$F_2$	9
5225.645500	5225.645271	0.229	$0.2691 \times 10^{-4}$	$0.2356 \times 10^{-4}$	14.197	3	$F_2$	1	4	$F_1$	9
5226.454200	5226.454467	-0.267		$0.2528 \times 10^{-7}$		4	$F_2$	1	4	$F_1$	12
5227.182300	5227.194405	-12.105	$0.4545 \times 10^{-4}$	$0.3822 \times 10^{-5}$	1089.171	5	$F_1$	2	4	$F_2$	16
5227.491300	5227.487660	3.640	$0.1292 \times 10^{-4}$	$0.9548 \times 10^{-5}$	35.310	2	$E$	1	3	$E$	5
5227.696000	5227.697284	-1.284	$0.1050 \times 10^{-3}$	$0.1054 \times 10^{-3}$	-0.425	3	$A_2$	1	4	$A_1$	5
5227.827000	5227.803985	23.015	$0.5495 \times 10^{-4}$	$0.1122 \times 10^{-5}$	4797.882	9	$A_2$	1	8	$A_1$	13
5227.984200	5227.995728	-11.528	$0.8428 \times 10^{-4}$	$0.5467 \times 10^{-5}$	1441.484	6	$A_1$	1	5	$A_2$	7
5228.493000	5228.507249	-14.249	$0.1385 \times 10^{-4}$	$0.1318 \times 10^{-5}$	950.855	4	$E$	1	3	$E$	8
5228.855300	5228.858796	-3.496	$0.9054 \times 10^{-5}$	$0.2539 \times 10^{-5}$	256.545	2	$F_2$	1	2	$F_1$	6
5228.899800	5228.885904	13.896	$0.1702 \times 10^{-4}$	$0.1452 \times 10^{-4}$	17.187	9	$A_2$	1	10	$A_1$	7
5229.471000	5229.483714	-12.714	$0.2608 \times 10^{-4}$	$0.1826 \times 10^{-5}$	1328.389	5	$E$	1	4	$E$	11
5229.693900	5229.663329	30.571	$0.4254 \times 10^{-4}$	$0.1713 \times 10^{-4}$	148.271	5	$F_1$	1	5	$F_2$	15
5230.377100	5230.376730	0.370		$0.1393 \times 10^{-4}$		5	$F_2$	1	5	$F_1$	16
5231.046200	5231.051896	-5.696	$0.6515 \times 10^{-4}$	$0.6713 \times 10^{-4}$	-2.947	6	$F_2$	1	7	$F_1$	13
5231.568200	5231.585522	-17.322	$0.1099 \times 10^{-3}$	$0.1163 \times 10^{-3}$	-5.510	6	$A_2$	1	7	$A_1$	4
5231.644500	5231.658598	-14.098	$0.1223 \times 10^{-4}$	$0.1145 \times 10^{-5}$	968.387	4	$F_1$	1	3	$F_2$	12
5232.607400	5232.609845	-2.445	$0.4494 \times 10^{-5}$	$0.2157 \times 10^{-5}$	108.337	1	$F_1$	1	2	$F_2$	7
5233.987700	5234.007333	-19.633	$0.2980 \times 10^{-4}$	$0.1241 \times 10^{-5}$	2300.709	6	$F_2$	2	5	$F_1$	20
5234.189500	5234.189709	-0.209	$0.5115 \times 10^{-5}$	$0.2089 \times 10^{-5}$	144.839	2	$E$	1	2	$E$	6
5235.413900	5235.397835	16.065	$0.1598 \times 10^{-5}$	$0.3432 \times 10^{-6}$	365.574	2	$F_2$	1	2	$F_1$	7
5235.611700	5235.636711	-25.011	$0.1734 \times 10^{-4}$	$0.7395 \times 10^{-6}$	2244.749	5	$F_2$	1	4	$F_1$	15
5237.510200	5237.505547	4.653	$0.3525 \times 10^{-4}$	$0.1325 \times 10^{-4}$	166.072	6	$F_2$	1	6	$F_1$	18
5237.769300	5237.769638	-0.338	$0.2243 \times 10^{-4}$	$0.1619 \times 10^{-4}$	38.552	3	$F_2$	1	4	$F_1$	10
5237.846500	5237.848992	-2.492	$0.6451 \times 10^{-4}$	$0.2248 \times 10^{-4}$	186.957	6	$A_2$	1	6	$A_1$	7
5237.884400	5237.889418	-5.018	$0.1652 \times 10^{-4}$	$0.7752 \times 10^{-6}$	2031.085	4	$A_1$	1	3	$A_2$	5
5239.842500	5239.834229	8.271	$0.7315 \times 10^{-5}$	$0.1085 \times 10^{-4}$	-32.602	4	$E$	1	5	$E$	8



Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5240.280000	5240.320032	-40.032	$0.3065 \times 10^{-4}$	$0.3672 \times 10^{-6}$	8247.993	6	$A_2$	1	5	$A_1$	6
5240.706400	5240.701290	5.110	$0.4770 \times 10^{-5}$	$0.8210 \times 10^{-5}$	-41.903	4	$F_1$	1	5	$F_2$	11
5240.959100	5240.965117	-6.017	$0.1966 \times 10^{-4}$	$0.1508 \times 10^{-5}$	1203.914	3	$A_2$	1	3	$A_1$	3
5241.187500	5241.185961	1.539	$0.1315 \times 10^{-5}$	$0.4565 \times 10^{-5}$	-71.196	4	$A_1$	1	5	$A_2$	4
5241.453400	5241.453009	0.391	$0.4448 \times 10^{-4}$	$0.4666 \times 10^{-4}$	-4.680	7	$F_1$	1	8	$F_2$	15
5242.023700	5242.022433	1.267	$0.4110 \times 10^{-4}$	$0.4262 \times 10^{-4}$	-3.561	7	$F_2$	1	8	$F_1$	14
5242.178900	5242.173035	5.865	$0.2346 \times 10^{-4}$	$0.1749 \times 10^{-4}$	34.135	3	$F_1$	1	4	$F_2$	11
5242.415400	5242.428534	-13.134	$0.4736 \times 10^{-5}$	$0.1289 \times 10^{-5}$	267.433	3	$F_1$	1	3	$F_2$	10
5243.055639	5243.058044	-2.405		$0.2606 \times 10^{-5}$		3	$F_2$	1	3	$F_1$	12
5243.069600	5243.078032	-8.432	$0.1682 \times 10^{-4}$	$0.3208 \times 10^{-6}$	5142.362	5	$F_1$	1	4	$F_2$	17
5243.656700	5243.655858	0.842	$0.4594 \times 10^{-4}$	$0.4961 \times 10^{-4}$	-7.403	4	$F_2$	1	5	$F_1$	13
5244.813400	5244.809286	4.114	$0.3286 \times 10^{-4}$	$0.1242 \times 10^{-4}$	164.580	7	$F_2$	1	7	$F_1$	24
5245.114700	5245.118896	-4.196	$0.3645 \times 10^{-4}$	$0.5589 \times 10^{-6}$	6421.685	7	$A_2$	1	6	$A_1$	9
5247.751200	5247.737582	13.618		$0.2448 \times 10^{-5}$		3	$F_1$	1	3	$F_2$	11
5249.613900	5249.613891	0.009	$0.4428 \times 10^{-5}$	$0.9563 \times 10^{-6}$	363.039	2	$E$	1	3	$E$	6
5251.254700	5251.253682	1.018		$0.4332 \times 10^{-4}$		8	$A_1$	1	9	$A_2$	6
5251.553253	5251.561811	-8.558		$0.3246 \times 10^{-5}$		4	$F_1$	1	5	$F_2$	12
5251.732200	5251.739748	-7.548		$0.2277 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	11
5252.569000	5252.581338	-12.338	$0.2398 \times 10^{-4}$	$0.2590 \times 10^{-4}$	-7.406	8	$E$	1	9	$E$	12
5253.157000	5253.165729	-8.729	$0.1163 \times 10^{-4}$	$0.5781 \times 10^{-6}$	1911.746	4	$F_2$	1	4	$F_1$	13
5253.268100	5253.287094	-18.994	$0.5566 \times 10^{-5}$	$0.1456 \times 10^{-5}$	282.293	4	$F_1$	1	4	$F_2$	14
5253.406800	5253.409128	-2.328	$0.1769 \times 10^{-4}$	$0.1396 \times 10^{-4}$	26.748	4	$E$	1	5	$E$	9
5253.890100	5253.889573	0.527	$0.9333 \times 10^{-5}$	$0.2021 \times 10^{-5}$	361.883	4	$E$	1	4	$E$	10
5254.443200	5254.431138	12.062	$0.4580 \times 10^{-5}$	$0.4116 \times 10^{-5}$	11.271	4	$F_2$	1	5	$F_1$	15
5256.718500	5256.714952	3.548	$0.2375 \times 10^{-4}$	$0.1720 \times 10^{-4}$	38.110	4	$F_1$	1	5	$F_2$	14
5258.299100	5258.286007	13.093	$0.9786 \times 10^{-5}$	$0.2153 \times 10^{-5}$	354.572	4	$F_1$	1	4	$F_2$	15
5258.324440	5258.319535	4.905		$0.3494 \times 10^{-4}$		5	$F_1$	2	6	$F_2$	16
5258.986300	5258.978022	8.278	$0.1639 \times 10^{-4}$	$0.1691 \times 10^{-4}$	-3.091	5	$E$	1	6	$E$	10
5259.201200	5259.191917	9.283	$0.4230 \times 10^{-4}$	$0.3148 \times 10^{-4}$	34.391	4	$A_1$	1	5	$A_2$	5
5259.892500	5259.880657	11.843	$0.2459 \times 10^{-4}$	$0.6909 \times 10^{-5}$	255.895	4	$A_1$	1	4	$A_2$	5
5263.177200	5263.180992	-3.792	$0.1713 \times 10^{-4}$	$0.2592 \times 10^{-6}$	6507.898	5	$F_1$	2	5	$F_2$	17
5263.339900	5263.356470	-16.570	$0.5840 \times 10^{-5}$	$0.2964 \times 10^{-6}$	1870.494	5	$E$	1	5	$E$	11
5263.764300	5263.769368	-5.068		$0.2918 \times 10^{-5}$		5	$F_2$	1	5	$F_1$	18
5265.175500	5265.115513	59.987	$0.1311 \times 10^{-4}$	$0.5061 \times 10^{-5}$	159.064	10	$E$	1	10	$E$	24
5265.242500	5265.185578	56.922	$0.1883 \times 10^{-4}$	$0.7568 \times 10^{-5}$	148.798	10	$F_2$	1	10	$F_1$	34
5265.383400	5265.335263	48.137	$0.3041 \times 10^{-4}$	$0.1231 \times 10^{-4}$	147.065	10	$A_2$	1	10	$A_1$	13
5265.423900	5265.411735	12.165	$0.9157 \times 10^{-5}$	$0.8733 \times 10^{-5}$	4.852	5	$F_1$	2	6	$F_2$	17
5266.586300	5266.579108	7.192	$0.3290 \times 10^{-5}$	$0.5806 \times 10^{-6}$	466.667	3	$F_1$	1	4	$F_2$	13
5266.713400	5266.705648	7.752	$0.9350 \times 10^{-5}$	$0.9687 \times 10^{-5}$	-3.475	5	$E$	1	6	$E$	11
5268.357100	5268.357626	-0.526		$0.1886 \times 10^{-5}$		3	$F_2$	1	4	$F_1$	12
5268.712700	5268.722560	-9.860	$0.1706 \times 10^{-4}$	$0.1357 \times 10^{-4}$	25.709	5	$F_2$	1	6	$F_1$	15
5269.798200	5269.791914	6.286		$0.3606 \times 10^{-5}$		5	$F_1$	1	5	$F_2$	18
5270.892000	5270.902350	-10.350	$0.1357 \times 10^{-4}$	$0.8105 \times 10^{-5}$	67.428	3	$A_2$	1	4	$A_1$	6
5271.093300	5271.115592	-22.292	$0.2615 \times 10^{-4}$	$0.2762 \times 10^{-4}$	-5.325	10	$A_2$	1	11	$A_1$	6
5271.310100	5271.306321	3.779	$0.7880 \times 10^{-5}$	$0.5742 \times 10^{-5}$	37.234	5	$F_2$	1	6	$F_1$	16
5271.354700	5271.371596	-16.896	$0.1422 \times 10^{-4}$	$0.1589 \times 10^{-4}$	-10.490	10	$F_2$	1	11	$F_1$	24
5271.462800	5271.478645	-15.845	$0.9896 \times 10^{-5}$	$0.1050 \times 10^{-4}$	-5.788	10	$E$	1	11	$E$	16
5271.619400	5271.600148	19.252	$0.1418 \times 10^{-4}$	$0.1882 \times 10^{-4}$	-24.660	6	$F_1$	1	7	$F_2$	17
5271.768100	5271.757913	10.187	$0.6013 \times 10^{-4}$	$0.7340 \times 10^{-4}$	-18.081	6	$A_1$	1	7	$A_2$	7
5271.843600	5271.839334	4.266	$0.1724 \times 10^{-4}$	$0.3843 \times 10^{-8}$	448517.400	6	$A_1$	1	6	$A_2$	7

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5273.055200	5273.040959	14.241		$0.6127 \times 10^{-5}$		6	$A_2$	1	6	$A_1$	8
5273.921700	5273.912449	9.251	$0.2129 \times 10^{-4}$	$0.1704 \times 10^{-4}$	24.948	5	$F_1$	1	6	$F_2$	18
5284.262500	5284.274650	-12.150		$0.2496 \times 10^{-4}$		6	$A_2$	1	7	$A_1$	6
5301.860500	5301.861127	-0.627	$0.4081 \times 10^{-5}$	$0.1920 \times 10^{-5}$	112.529	5	$E$	1	6	$E$	14
5302.218800	5302.219524	-0.724	$0.6862 \times 10^{-5}$	$0.4195 \times 10^{-5}$	63.586	5	$F_1$	2	6	$F_2$	20
5303.763500	5303.749201	14.299		$0.9632 \times 10^{-6}$		5	$F_1$	2	4	$F_2$	20
5303.866300	5303.852915	13.385		$0.7834 \times 10^{-5}$		7	$F_2$	1	8	$F_1$	23
5305.641100	5305.646240	-5.140		$0.4235 \times 10^{-6}$		5	$F_2$	1	4	$F_1$	19
5306.444300	5306.435761	8.539		$0.1513 \times 10^{-4}$		8	$F_1$	2	9	$F_2$	24
5311.863800	5311.878717	-14.917		$0.3622 \times 10^{-6}$		4	$F_1$	1	3	$F_2$	14
5312.028000	5312.036170	-8.170		$0.9373 \times 10^{-6}$		4	$A_1$	1	3	$A_2$	6
5312.726400	5312.639842	86.558		$0.3239 \times 10^{-5}$		9	$F_1$	3	9	$F_2$	38
5312.777200	5312.689562	87.638	$0.1525 \times 10^{-4}$	$0.6579 \times 10^{-5}$	131.799	9	$F_1$	2	9	$F_2$	38
5318.665600	5318.682307	-16.707		$0.4061 \times 10^{-7}$		5	$F_1$	2	4	$F_2$	22
5322.429700	5322.388740	40.960	$0.1824 \times 10^{-4}$	$0.8648 \times 10^{-5}$	110.906	8	$F_1$	2	8	$F_2$	34
5322.497600	5322.459798	37.802		$0.4299 \times 10^{-5}$		8	$F_1$	1	8	$F_2$	34
5322.604300	5322.596492	7.808		$0.1229 \times 10^{-6}$		4	$F_2$	1	3	$F_1$	16
5326.856200	5326.854926	1.274		$0.5750 \times 10^{-7}$		4	$E$	1	3	$E$	10
5336.701400	5336.705329	-3.929		$0.1827 \times 10^{-4}$		6	$A_1$	1	5	$A_2$	12
5340.741969	5340.731431	10.538		$0.1626 \times 10^{-5}$		6	$F_2$	1	5	$F_1$	34
5343.156411	5343.168090	-11.679		$0.3534 \times 10^{-5}$		4	$A_1$	1	5	$A_2$	7
5348.941500	5348.944321	-2.821		$0.4669 \times 10^{-6}$		6	$F_2$	2	5	$F_1$	37
5348.964381	5348.966038	-1.657		$0.1658 \times 10^{-5}$		6	$F_2$	1	5	$F_1$	37
5352.141963	5352.153561	-11.598		$0.5859 \times 10^{-5}$		5	$F_2$	1	4	$F_1$	26
5355.436400	5355.458085	-21.685		$0.3258 \times 10^{-5}$		5	$F_2$	1	4	$F_1$	27
5357.989800	5357.994143	-4.343	$0.1398 \times 10^{-5}$	$0.1457 \times 10^{-5}$	-4.042	4	$F_2$	1	4	$F_1$	19
5363.563232	5363.577651	-14.419		$0.2411 \times 10^{-5}$		4	$F_2$	1	3	$F_1$	22
5367.911000	5367.873181	37.819		$0.1198 \times 10^{-3}$		7	$A_2$	1	8	$A_1$	11
5368.036400	5367.996095	40.305		$0.1307 \times 10^{-4}$		7	$F_2$	2	8	$F_1$	26
5368.074000	5368.034113	39.887	$0.6436 \times 10^{-4}$	$0.5958 \times 10^{-4}$	8.020	7	$F_2$	1	8	$F_1$	26
5368.131200	5368.089740	41.460	$0.7833 \times 10^{-4}$	$0.7309 \times 10^{-4}$	7.167	7	$F_1$	1	8	$F_2$	27
5369.506900	5369.504444	2.456		$0.6380 \times 10^{-4}$		7	$F_2$	2	8	$F_1$	27
5369.544800	5369.542463	2.337		$0.1447 \times 10^{-4}$		7	$F_2$	1	8	$F_1$	27
5370.195500	5370.190576	4.924	$0.8606 \times 10^{-5}$	$0.5759 \times 10^{-5}$	49.446	4	$F_2$	1	3	$F_1$	23
5371.028600	5371.046508	-17.908	$0.3699 \times 10^{-4}$	$0.3262 \times 10^{-4}$	13.409	4	$F_1$	1	4	$F_2$	22
5371.106000	5371.097869	8.131		$0.1730 \times 10^{-5}$		3	$F_2$	1	3	$F_1$	17
5371.496200	5371.416039	80.161		$0.7024 \times 10^{-5}$		6	$F_2$	2	5	$F_1$	39
5371.518300	5371.437755	80.545		$0.3521 \times 10^{-5}$		6	$F_2$	1	5	$F_1$	39
5373.129700	5373.164686	-34.986	$0.2652 \times 10^{-4}$	$0.9103 \times 10^{-5}$	191.330	4	$F_1$	1	3	$F_2$	21
5373.523000	5373.483773	39.227	$0.7092 \times 10^{-4}$	$0.6240 \times 10^{-4}$	13.647	6	$E$	1	7	$E$	17
5373.550500	5373.513286	37.214		$0.7017 \times 10^{-5}$		6	$F_2$	2	7	$F_1$	27
5373.571300	5373.535002	36.298	$0.9367 \times 10^{-4}$	$0.8584 \times 10^{-4}$	9.124	6	$F_2$	1	7	$F_1$	27
5374.687900	5374.666598	21.302	$0.1937 \times 10^{-3}$	$0.1651 \times 10^{-3}$	17.314	6	$A_2$	1	7	$A_1$	9
5379.527700	5379.518192	9.508	$0.5426 \times 10^{-4}$	$0.2781 \times 10^{-4}$	95.120	4	$F_2$	1	4	$F_1$	22
5379.636400	5379.640206	-3.806		$0.7689 \times 10^{-4}$		3	$A_2$	1	3	$A_1$	5
5383.005100	5383.026027	-20.927	$0.1569 \times 10^{-4}$	$0.1165 \times 10^{-4}$	34.686	3	$F_2$	1	2	$F_1$	14
5385.499700	5385.540856	-41.156		$0.5459 \times 10^{-5}$		4	$F_2$	1	3	$F_1$	24
5388.012300	5387.992240	20.060		$0.5892 \times 10^{-5}$		4	$F_1$	1	3	$F_2$	23
5387.985945	5387.998559	-12.614		$0.7461 \times 10^{-4}$		4	$F_2$	1	5	$F_1$	23
5389.869434	5389.861879	7.555		$0.1834 \times 10^{-4}$		3	$F_1$	1	2	$F_2$	17

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5395.680260	5395.764910	-84.650		$0.9122 \times 10^{-5}$		3	$F_1$	1	2	$F_2$	18
5395.941900	5395.934097	7.803		$0.6549 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	16
5398.026500	5398.012317	14.183	$0.1079 \times 10^{-3}$	$0.1088 \times 10^{-3}$	-0.790	3	$F_1$	1	4	$F_2$	20
5398.273900	5398.295813	-21.913		$0.1947 \times 10^{-4}$		7	$F_2$	2	6	$F_1$	49
5398.312500	5398.333832	-21.332		$0.2158 \times 10^{-4}$		7	$F_2$	1	6	$F_1$	49
5399.171600	5399.165817	5.783	$0.3645 \times 10^{-3}$	$0.3767 \times 10^{-3}$	-3.245	3	$A_2$	1	4	$A_1$	8
5399.568000	5399.559582	8.418		$0.9296 \times 10^{-4}$		4	$A_1$	1	5	$A_2$	9
5399.893000	5399.897302	-4.302	$0.1209 \times 10^{-3}$	$0.1346 \times 10^{-3}$	-10.169	3	$F_2$	1	4	$F_1$	19
5400.190100	5400.188818	1.282	$0.8535 \times 10^{-4}$	$0.7510 \times 10^{-4}$	13.645	2	$E$	1	3	$E$	10
5401.746000	5401.792098	-46.098	$0.4164 \times 10^{-4}$	$0.3552 \times 10^{-4}$	17.242	2	$E$	1	2	$E$	10
5402.539700	5402.532315	7.385		$0.1360 \times 10^{-3}$		2	$F_2$	1	3	$F_1$	17
5403.245900	5403.216518	29.382	$0.5781 \times 10^{-4}$	$0.6811 \times 10^{-4}$	-15.126	1	$F_1$	1	2	$F_2$	13
5403.527200	5403.518539	8.661	$0.1006 \times 10^{-4}$	$0.5904 \times 10^{-5}$	70.389	5	$F_2$	1	5	$F_1$	34
5403.585900	5403.614370	-28.470		$0.9031 \times 10^{-5}$		5	$E$	1	5	$E$	21
5404.489700	5404.501464	-11.764		$0.9089 \times 10^{-5}$		4	$F_2$	1	4	$F_1$	26
5405.465800	5405.480810	-15.010	$0.4761 \times 10^{-4}$	$0.2832 \times 10^{-4}$	68.121	3	$F_2$	1	3	$F_1$	22
5406.407000	5406.441409	-34.409	$0.1116 \times 10^{-3}$	$0.5560 \times 10^{-4}$	100.728	3	$A_2$	1	3	$A_1$	6
5407.785300	5407.805988	-20.688	$0.2681 \times 10^{-4}$	$0.5627 \times 10^{-5}$	376.467	4	$F_2$	1	4	$F_1$	27
5410.633000	5410.599304	33.696		$0.2735 \times 10^{-5}$		5	$F_1$	2	4	$F_2$	35
5410.647900	5410.613884	34.016		$0.4907 \times 10^{-5}$		5	$F_1$	1	4	$F_2$	35
5411.687600	5411.695564	-7.964	$0.7131 \times 10^{-4}$	$0.5914 \times 10^{-4}$	20.582	1	$F_1$	1	1	$F_2$	8
5412.100800	5412.093735	7.065		$0.1030 \times 10^{-4}$		3	$F_2$	1	3	$F_1$	23
5414.439500	5414.460473	-20.973	$0.7718 \times 10^{-4}$	$0.4131 \times 10^{-4}$	86.850	2	$F_2$	1	2	$F_1$	14
5415.030400	5415.063600	-33.200	$0.6353 \times 10^{-4}$	$0.3156 \times 10^{-4}$	101.313	3	$F_1$	1	3	$F_2$	21
5416.131600	5416.135085	-3.485	$0.2512 \times 10^{-4}$	$0.1691 \times 10^{-4}$	48.553	4	$F_2$	1	3	$F_1$	28
5417.423800	5417.464792	-40.992	$0.1289 \times 10^{-3}$	$0.9808 \times 10^{-4}$	31.420	1	$F_1$	1	2	$F_2$	15
5419.131000	5419.121400	9.600	$0.2901 \times 10^{-3}$	$0.2485 \times 10^{-3}$	16.745	0	$A_1$	1	1	$A_2$	4
5419.385400	5419.384420	0.980	$0.5693 \times 10^{-4}$	$0.4643 \times 10^{-4}$	22.608	1	$F_1$	1	0	$F_2$	4
5421.082800	5421.032254	50.546	$0.1378 \times 10^{-3}$	$0.1261 \times 10^{-3}$	9.262	4	$A_1$	1	4	$A_2$	9
5421.430200	5421.421351	8.849	$0.1207 \times 10^{-4}$	$0.1310 \times 10^{-5}$	821.122	3	$F_2$	1	4	$F_1$	22
5421.780300	5421.765894	14.406	$0.9925 \times 10^{-4}$	$0.1308 \times 10^{-3}$	-24.118	4	$A_1$	1	3	$A_2$	10
5423.127800	5423.150682	-22.882	$0.6216 \times 10^{-4}$	$0.5893 \times 10^{-4}$	5.477	3	$F_1$	1	2	$F_2$	20
5425.557800	5425.518108	39.692	$0.9372 \times 10^{-4}$	$0.7429 \times 10^{-4}$	26.148	1	$F_1$	1	1	$F_2$	9
5427.087000	5427.011748	75.252	$0.2703 \times 10^{-3}$	$0.2032 \times 10^{-3}$	33.001	3	$A_2$	1	2	$A_1$	8
5429.750400	5429.696812	53.588	$0.7300 \times 10^{-4}$	$0.5433 \times 10^{-4}$	34.362	2	$E$	1	1	$E$	8
5429.722700	5429.735941	-13.241	$0.9414 \times 10^{-4}$	$0.7248 \times 10^{-4}$	29.884	3	$F_2$	1	2	$F_1$	19
5429.911600	5429.891155	20.445		$0.8351 \times 10^{-4}$		3	$F_1$	1	3	$F_2$	23
5432.785800	5432.777621	8.179	$0.5756 \times 10^{-4}$	$0.5742 \times 10^{-4}$	0.243	1	$F_1$	1	2	$F_2$	16
5434.304400	5434.224863	79.537	$0.7092 \times 10^{-4}$	$0.9094 \times 10^{-4}$	-22.014	5	$F_2$	1	5	$F_1$	39
5436.455800	5436.454837	0.963		$0.8695 \times 10^{-5}$		4	$F_1$	1	4	$F_2$	33
5436.900300	5436.915256	-14.956	$0.7437 \times 10^{-4}$	$0.6306 \times 10^{-4}$	17.941	2	$F_2$	1	3	$F_1$	22
5441.240300	5441.241993	-1.693	$0.5974 \times 10^{-4}$	$0.5906 \times 10^{-4}$	1.147	2	$F_2$	1	2	$F_1$	17
5442.157000	5442.162564	-5.564	$0.7339 \times 10^{-4}$	$0.3346 \times 10^{-4}$	119.314	3	$F_1$	1	4	$F_2$	27
5443.210900	5443.254702	-43.802		$0.2179 \times 10^{-4}$		2	$E$	1	2	$E$	12
5443.535500	5443.528181	7.319	$0.1808 \times 10^{-4}$	$0.2756 \times 10^{-4}$	-34.389	2	$F_2$	1	3	$F_1$	23
5444.038000	5444.002291	35.709	$0.6569 \times 10^{-4}$	$0.6521 \times 10^{-4}$	0.737	4	$E$	1	3	$E$	20
5444.195300	5444.144215	51.085	$0.1129 \times 10^{-3}$	$0.1069 \times 10^{-3}$	5.613	4	$F_1$	1	3	$F_2$	29
5445.739695	5445.741180	-1.485		$0.1674 \times 10^{-3}$		4	$A_1$	1	3	$A_2$	11
5446.393000	5446.404622	-11.622	$0.3882 \times 10^{-4}$	$0.2299 \times 10^{-4}$	68.852	3	$F_2$	1	4	$F_1$	26
5447.061100	5447.095027	-33.927	$0.2994 \times 10^{-3}$	$0.2662 \times 10^{-3}$	12.451	8	$F_2$	1	7	$F_1$	71

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5448.075500	5448.159026	-83.526	$0.7665 \times 10^{-5}$	$0.9022 \times 10^{-5}$	-15.043	1	$F_1$	1	2	$F_2$	18
5448.171200	5448.162543	8.657	$0.6515 \times 10^{-4}$	$0.3392 \times 10^{-4}$	92.079	8	$F_1$	2	7	$F_2$	69
5448.243200	5448.233602	9.598	$0.2669 \times 10^{-3}$	$0.2582 \times 10^{-3}$	3.358	8	$F_1$	1	7	$F_2$	69
5449.372000	5449.307363	64.637	$0.1953 \times 10^{-3}$	$0.1764 \times 10^{-3}$	10.741	3	$A_2$	1	4	$A_1$	11
5449.688000	5449.709146	-21.146		$0.5933 \times 10^{-5}$		3	$F_2$	1	4	$F_1$	27
5450.521500	5450.507129	14.371		$0.1909 \times 10^{-3}$		8	$F_1$	2	7	$F_2$	71
5450.595000	5450.578187	16.813	$0.8746 \times 10^{-4}$	$0.8127 \times 10^{-4}$	7.618	8	$F_1$	1	7	$F_2$	71
5451.873300	5451.877691	-4.391		$0.3883 \times 10^{-4}$		4	$A_1$	1	5	$A_2$	12
5455.876700	5455.866442	10.258	$0.5575 \times 10^{-4}$	$0.1466 \times 10^{-4}$	280.243	4	$F_2$	1	5	$F_1$	34
5455.946000	5455.975519	-29.519	$0.4680 \times 10^{-4}$	$0.2770 \times 10^{-4}$	68.930	4	$E$	1	5	$E$	21
5457.156000	5457.120812	35.188		$0.1576 \times 10^{-3}$		6	$A_2$	1	5	$A_1$	17
5457.723000	5457.702159	20.841	$0.1233 \times 10^{-3}$	$0.1019 \times 10^{-3}$	20.990	6	$F_2$	1	5	$F_1$	55
5457.918500	5457.905358	13.142	$0.8200 \times 10^{-4}$	$0.7253 \times 10^{-4}$	13.058	6	$E$	1	5	$E$	34
5458.033900	5458.038243	-4.343		$0.5248 \times 10^{-5}$		3	$F_2$	1	3	$F_1$	28
5458.835600	5458.878461	-42.861		$0.5176 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	24
5461.156536	5461.170387	-13.851		$0.3327 \times 10^{-5}$		2	$F_2$	1	2	$F_1$	19
5463.000500	5462.963505	36.995	$0.5715 \times 10^{-4}$	$0.5562 \times 10^{-4}$	2.754	4	$F_1$	1	4	$F_2$	35
5463.262900	5463.234360	28.540	$0.9311 \times 10^{-4}$	$0.8843 \times 10^{-4}$	5.295	4	$A_1$	1	4	$A_2$	11
5464.927000	5464.936620	-9.620		$0.2143 \times 10^{-3}$		11	$E$	1	10	$E$	88
5465.127500	5465.079665	47.835		$0.3115 \times 10^{-3}$		11	$F_2$	2	10	$F_1$	128
5468.214900	5468.303878	-88.978		$0.5631 \times 10^{-5}$		9	$F_1$	3	8	$F_2$	96
5468.265300	5468.353597	-88.297		$0.2216 \times 10^{-4}$		9	$F_1$	2	8	$F_2$	96
5469.675400	5469.642935	32.465	$0.1476 \times 10^{-3}$	$0.1290 \times 10^{-3}$	14.455	7	$F_2$	2	6	$F_1$	63
5469.713200	5469.680954	32.246	$0.2478 \times 10^{-3}$	$0.2186 \times 10^{-3}$	13.380	7	$F_2$	1	6	$F_1$	63
5470.162800	5470.170642	-7.842	$0.1678 \times 10^{-4}$	$0.1001 \times 10^{-4}$	67.603	7	$F_1$	2	6	$F_2$	67
5470.216800	5470.226333	-9.533	$0.4418 \times 10^{-3}$	$0.3937 \times 10^{-3}$	12.226	7	$F_1$	1	6	$F_2$	67
5472.646300	5472.678919	-32.619	$0.1531 \times 10^{-3}$	$0.1528 \times 10^{-3}$	0.193	7	$F_2$	2	6	$F_1$	65
5472.684300	5472.716937	-32.637	$0.2342 \times 10^{-3}$	$0.2216 \times 10^{-3}$	5.685	7	$F_2$	1	6	$F_1$	65
5477.222100	5477.269462	-47.362		$0.4626 \times 10^{-6}$		10	$F_1$	2	9	$F_2$	118
5477.296700	5477.344942	-48.242	$0.5243 \times 10^{-3}$	$0.4654 \times 10^{-3}$	12.667	10	$F_1$	1	9	$F_2$	118
5477.600900	5477.527951	72.949		$0.4471 \times 10^{-3}$		10	$F_2$	2	9	$F_1$	121
5478.355300	5478.353752	1.548	$0.9896 \times 10^{-5}$	$0.2593 \times 10^{-4}$	-61.836	3	$F_1$	1	4	$F_2$	33
5478.875000	5478.894304	-19.304	$0.5118 \times 10^{-4}$	$0.5256 \times 10^{-4}$	-2.629	7	$F_2$	2	6	$F_1$	66
5478.913900	5478.932323	-18.423	$0.2118 \times 10^{-4}$	$0.1676 \times 10^{-4}$	26.396	7	$F_2$	1	6	$F_1$	66
5479.475200	5479.533564	-58.364		$0.6028 \times 10^{-4}$		8	$E$	2	7	$E$	56
5479.559100	5479.619206	-60.106		$0.7502 \times 10^{-5}$		8	$E$	1	7	$E$	56
5483.938100	5483.915983	22.117		$0.5759 \times 10^{-4}$		9	$F_1$	3	8	$F_2$	104
5483.989400	5483.965702	23.698		$0.8685 \times 10^{-5}$		9	$F_1$	2	8	$F_2$	104
5484.076200	5484.054024	22.176	$0.7679 \times 10^{-5}$	$0.3852 \times 10^{-6}$	1893.307	9	$F_1$	1	8	$F_2$	104
5484.509800	5484.571799	-61.999	$0.1557 \times 10^{-4}$	$0.1292 \times 10^{-5}$	1104.941	9	$F_2$	2	8	$F_1$	103
5484.654700	5484.716514	-61.814		$0.5493 \times 10^{-5}$		9	$F_2$	1	8	$F_1$	103
5491.559000	5491.562227	-3.227	$0.1421 \times 10^{-3}$	$0.1078 \times 10^{-3}$	31.870	6	$F_2$	2	5	$F_1$	57
5491.580500	5491.583943	-3.443	$0.3770 \times 10^{-3}$	$0.3591 \times 10^{-3}$	4.981	6	$F_2$	1	5	$F_1$	57
5491.856300	5491.839926	16.374	$0.3848 \times 10^{-3}$	$0.3438 \times 10^{-3}$	11.938	6	$E$	1	5	$E$	37
5493.446900	5493.367768	79.132	$0.6542 \times 10^{-3}$	$0.6466 \times 10^{-3}$	1.174	7	$A_2$	1	6	$A_1$	24
5493.724300	5493.748097	-23.797	$0.3229 \times 10^{-3}$	$0.2745 \times 10^{-3}$	17.618	7	$F_2$	2	6	$F_1$	67
5493.762100	5493.786116	-24.016		$0.2267 \times 10^{-4}$		7	$F_2$	1	6	$F_1$	67
5493.989400	5494.001301	-11.901		$0.1807 \times 10^{-3}$		7	$E$	1	6	$E$	47
5494.227700	5494.225564	2.136	$0.1955 \times 10^{-3}$	$0.1660 \times 10^{-3}$	17.748	6	$F_1$	1	5	$F_2$	54
5494.349300	5494.338319	10.981	$0.2154 \times 10^{-3}$	$0.1932 \times 10^{-3}$	11.483	6	$F_2$	2	5	$F_1$	58

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5494.371000	5494.360036	10.964	$0.1842 \times 10^{-3}$	$0.1673 \times 10^{-3}$	10.133	6	$F_2$	1	5	$F_1$	58
5494.421000	5494.379172	41.828	$0.7868 \times 10^{-3}$	$0.7820 \times 10^{-3}$	0.609	6	$A_2$	1	5	$A_1$	19
5496.212500	5496.220739	-8.239		$0.3308 \times 10^{-4}$		8	$F_2$	2	7	$F_1$	93
5497.058000	5496.995052	62.948		$0.6568 \times 10^{-4}$		7	$F_2$	2	6	$F_1$	69
5497.096000	5497.033070	62.930		$0.5166 \times 10^{-5}$		7	$F_2$	1	6	$F_1$	69
5498.821300	5498.805719	15.581		$0.1641 \times 10^{-3}$		8	$E$	2	7	$E$	61
5498.907500	5498.891361	16.139	$0.7143 \times 10^{-3}$	$0.7649 \times 10^{-3}$	-6.620	8	$E$	1	7	$E$	61
5499.091300	5499.018845	72.455		$0.4200 \times 10^{-4}$		8	$F_1$	2	7	$F_2$	92
5499.161800	5499.089903	71.897	$0.1771 \times 10^{-2}$	$0.1484 \times 10^{-2}$	19.353	8	$F_1$	1	7	$F_2$	92
5499.337200	5499.203523	133.677	$0.3736 \times 10^{-2}$	$0.2648 \times 10^{-2}$	41.082	8	$A_1$	1	7	$A_2$	33
5499.506500	5499.568938	-62.438		$0.2345 \times 10^{-3}$		8	$E$	1	7	$E$	62
5501.673096	5501.640131	32.965		$0.7647 \times 10^{-4}$		8	$F_2$	2	7	$F_1$	96
5501.715400	5501.680526	34.874	$0.9835 \times 10^{-3}$	$0.8719 \times 10^{-3}$	12.802	8	$F_2$	1	7	$F_1$	96
5506.392517	5506.394656	-2.139		$0.1632 \times 10^{-5}$		7	$E$	1	6	$E$	52
5506.635370	5506.630894	4.476		$0.3074 \times 10^{-4}$		7	$F_2$	2	6	$F_1$	74
5506.675645	5506.752407	-76.762		$0.4748 \times 10^{-4}$		7	$A_2$	1	6	$A_1$	26
5506.766711	5506.769947	-3.236		$0.2630 \times 10^{-6}$		7	$F_2$	2	6	$F_1$	75
5507.745607	5507.677864	67.743		$0.4360 \times 10^{-4}$		7	$F_1$	2	6	$F_2$	81
5509.336200	5509.307290	28.910	$0.2569 \times 10^{-3}$	$0.8842 \times 10^{-4}$	190.554	7	$F_2$	2	6	$F_1$	76
5509.375800	5509.345309	30.491		$0.9651 \times 10^{-4}$		7	$F_2$	1	6	$F_1$	76
5509.562685	5509.633895	-71.210		$0.2794 \times 10^{-4}$		6	$F_1$	1	5	$F_2$	57
5511.710600	5511.715903	-5.303		$0.4554 \times 10^{-3}$		7	$A_2$	1	6	$A_1$	27
5511.819100	5511.852134	-33.034	$0.1935 \times 10^{-2}$	$0.2091 \times 10^{-2}$	-7.467	7	$F_1$	1	6	$F_2$	83
5511.841000	5511.885183	-44.183	$0.2131 \times 10^{-2}$	$0.1391 \times 10^{-2}$	53.217	7	$F_2$	1	6	$F_1$	79
5511.933851	5511.932162	1.689		$0.2872 \times 10^{-3}$		6	$F_2$	2	5	$F_1$	62
5511.955261	5511.953878	1.383		$0.2101 \times 10^{-4}$		6	$F_2$	1	5	$F_1$	62
5512.616200	5512.708683	-92.483	$0.1580 \times 10^{-2}$	$0.1638 \times 10^{-2}$	-3.557	7	$F_1$	2	6	$F_2$	84
5513.287400	5513.263845	23.555	$0.5358 \times 10^{-3}$	$0.5580 \times 10^{-3}$	-3.975	5	$F_1$	1	4	$F_2$	47
5513.379500	5513.284269	95.231		$0.8663 \times 10^{-3}$		7	$E$	1	6	$E$	56
5513.760484	5513.789209	-28.725		$0.1147 \times 10^{-2}$		7	$F_2$	2	6	$F_1$	80
5515.231500	5515.268964	-37.464	$0.1805 \times 10^{-3}$	$0.1286 \times 10^{-3}$	40.376	5	$E$	1	4	$E$	32
5515.295754	5515.363170	-67.416		$0.1215 \times 10^{-3}$		6	$F_2$	2	5	$F_1$	64
5515.318100	5515.384886	-66.786	$0.2072 \times 10^{-3}$	$0.1342 \times 10^{-3}$	54.359	6	$F_2$	1	5	$F_1$	64
5515.540800	5515.523838	16.962	$0.4673 \times 10^{-3}$	$0.4188 \times 10^{-3}$	11.581	5	$F_2$	1	4	$F_1$	46
5517.372685	5517.336183	36.502		$0.1527 \times 10^{-9}$		2	$E$	1	3	$E$	20
5519.343100	5519.336312	6.788		$0.4134 \times 10^{-4}$		6	$F_1$	1	5	$F_2$	63
5519.595900	5519.601151	-5.251	$0.1253 \times 10^{-3}$	$0.1262 \times 10^{-3}$	-0.752	5	$F_2$	1	4	$F_1$	47
5519.681300	5519.673388	7.912	$0.4085 \times 10^{-3}$	$0.3667 \times 10^{-3}$	11.394	5	$F_1$	2	4	$F_2$	49
5519.695000	5519.687968	7.032		$0.5810 \times 10^{-4}$		5	$F_1$	1	4	$F_2$	49
5520.687246	5520.654800	32.446		$0.8419 \times 10^{-6}$		6	$F_1$	1	5	$F_2$	64
5523.231200	5523.225900	5.300	$0.4404 \times 10^{-3}$	$0.4717 \times 10^{-3}$	-6.635	6	$F_2$	2	5	$F_1$	68
5523.310500	5523.234309	76.191	$0.8195 \times 10^{-3}$	$0.5858 \times 10^{-3}$	39.896	6	$E$	1	5	$E$	44
5523.252900	5523.247616	5.284	$0.1575 \times 10^{-2}$	$0.1408 \times 10^{-2}$	11.824	6	$F_2$	1	5	$F_1$	68
5523.336300	5523.438083	-101.783	$0.4134 \times 10^{-2}$	$0.3974 \times 10^{-2}$	4.037	6	$A_2$	1	5	$A_1$	21
5524.303500	5524.216087	87.413	$0.8978 \times 10^{-3}$	$0.1010 \times 10^{-2}$	-11.119	6	$E$	1	5	$E$	45
5524.411500	5524.341844	69.656	$0.8171 \times 10^{-3}$	$0.7158 \times 10^{-3}$	14.147	6	$F_2$	2	5	$F_1$	69
5524.432700	5524.363560	69.140	$0.8049 \times 10^{-3}$	$0.9074 \times 10^{-3}$	-11.297	6	$F_2$	1	5	$F_1$	69
5524.726900	5524.655252	71.648		$0.3124 \times 10^{-2}$		6	$A_1$	1	5	$A_2$	25
5526.283760	5526.242963	40.797		$0.2352 \times 10^{-3}$		7	$F_2$	2	6	$F_1$	83
5526.322148	5526.280981	41.167		$0.4051 \times 10^{-4}$		7	$F_2$	1	6	$F_1$	83

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5530.525200	5530.212552	312.648	$0.1326 \times 10^{-2}$	$0.1193 \times 10^{-2}$	11.127	5	$E$	1	4	$E$	34
5530.333800	5530.374163	-40.363	$0.1108 \times 10^{-2}$	$0.8707 \times 10^{-3}$	27.247	5	$F_1$	2	4	$F_2$	51
5530.682507	5530.716319	-33.812		$0.8431 \times 10^{-4}$		7	$F_2$	2	7	$F_1$	71
5530.719994	5530.754338	-34.344		$0.5776 \times 10^{-4}$		7	$F_2$	1	7	$F_1$	71
5532.308343	5532.284962	23.381		$0.1826 \times 10^{-3}$		5	$F_1$	2	4	$F_2$	52
5532.503132	5532.542765	-39.633		$0.7703 \times 10^{-4}$		5	$E$	1	4	$E$	35
5534.340300	5534.376333	-36.033	$0.1238 \times 10^{-2}$	$0.1157 \times 10^{-2}$	7.004	5	$F_1$	2	4	$F_2$	54
5534.354800	5534.390913	-36.113	$0.7902 \times 10^{-3}$	$0.6514 \times 10^{-3}$	21.315	5	$F_1$	1	4	$F_2$	54
5534.508400	5534.505524	2.876	$0.1189 \times 10^{-2}$	$0.1042 \times 10^{-2}$	14.156	4	$A_1$	1	3	$A_2$	14
5534.491500	5534.519285	-27.785	$0.1331 \times 10^{-2}$	$0.9541 \times 10^{-3}$	39.509	5	$F_2$	1	4	$F_1$	52
5535.140900	5535.186791	-45.891	$0.1387 \times 10^{-2}$	$0.1464 \times 10^{-2}$	-5.267	5	$F_2$	1	4	$F_1$	53
5535.381000	5535.390881	-9.881		$0.1243 \times 10^{-3}$		5	$F_1$	2	4	$F_2$	55
5535.396400	5535.405461	-9.061	$0.1964 \times 10^{-2}$	$0.1895 \times 10^{-2}$	3.616	5	$F_1$	1	4	$F_2$	55
5535.655448	5535.628035	27.413		$0.5208 \times 10^{-3}$		5	$E$	1	4	$E$	36
5535.716760	5535.648910	67.850		$0.4342 \times 10^{-4}$		6	$F_2$	2	5	$F_1$	73
5535.888200	5535.884392	3.808	$0.5260 \times 10^{-3}$	$0.4768 \times 10^{-3}$	10.315	4	$F_1$	1	3	$F_2$	36
5537.841310	5537.878026	-36.716		$0.2384 \times 10^{-3}$		6	$F_2$	2	5	$F_1$	74
5537.863003	5537.899742	-36.739		$0.4457 \times 10^{-4}$		6	$F_2$	1	5	$F_1$	74
5538.264601	5538.214376	50.225		$0.2338 \times 10^{-3}$		5	$E$	1	4	$E$	37
5538.610900	5538.550360	60.540		$0.3261 \times 10^{-3}$		5	$F_1$	2	4	$F_2$	56
5538.895932	5538.830236	65.696		$0.1521 \times 10^{-3}$		4	$F_2$	1	3	$F_1$	38
5539.476700	5539.462948	13.752	$0.5015 \times 10^{-3}$	$0.4449 \times 10^{-3}$	12.730	4	$E$	1	3	$E$	25
5540.631311	5540.597633	33.678		$0.3385 \times 10^{-5}$		6	$F_1$	1	5	$F_2$	72
5542.328267	5542.260328	67.939		$0.2055 \times 10^{-4}$		4	$E$	1	3	$E$	26
5542.247244	5542.340568	-93.324		$0.1810 \times 10^{-4}$		4	$F_2$	1	3	$F_1$	39
5542.903052	5542.870722	32.330		$0.9151 \times 10^{-4}$		6	$F_2$	2	6	$F_1$	63
5542.924103	5542.892439	31.664		$0.4706 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	63
5543.192532	5543.200263	-7.731		$0.2558 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	57
5543.207500	5543.214844	-7.344		$0.3029 \times 10^{-5}$		5	$F_1$	1	4	$F_2$	57
5543.398829	5543.408043	-9.214		$0.5586 \times 10^{-4}$		6	$F_1$	1	6	$F_2$	67
5543.842742	5543.765335	77.407		$0.3921 \times 10^{-3}$		4	$F_2$	1	3	$F_1$	40
5543.943166	5543.941864	1.302		$0.2619 \times 10^{-5}$		5	$F_2$	1	4	$F_1$	54
5544.976600	5545.105125	-128.525	$0.2544 \times 10^{-2}$	$0.2636 \times 10^{-2}$	-3.498	4	$F_2$	1	3	$F_1$	41
5545.895360	5545.928422	-33.062		$0.1248 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	65
5545.978000	5545.963103	14.897	$0.1776 \times 10^{-2}$	$0.1740 \times 10^{-2}$	2.046	4	$E$	1	3	$E$	27
5546.194900	5546.218516	-23.616	$0.4819 \times 10^{-2}$	$0.4557 \times 10^{-2}$	5.754	4	$A_1$	1	3	$A_2$	15
5549.342784	5549.351063	-8.279		$0.2034 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	59
5549.357000	5549.365643	-8.643		$0.7872 \times 10^{-5}$		5	$F_1$	1	4	$F_2$	59
5550.881782	5550.893352	-11.570		$0.6138 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	60
5550.894847	5550.907933	-13.086		$0.2643 \times 10^{-5}$		5	$F_1$	1	4	$F_2$	60
5552.029547	5552.031357	-1.810		$0.6164 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	61
5552.042000	5552.045937	-3.937		$0.5639 \times 10^{-4}$		5	$F_1$	1	4	$F_2$	61
5552.104000	5552.122091	-18.091		$0.9399 \times 10^{-4}$		6	$F_2$	2	6	$F_1$	66
5552.123708	5552.143807	-20.099		$0.1475 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	66
5552.754303	5552.751198	3.105		$0.3250 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	62
5552.767851	5552.765779	2.072		$0.9496 \times 10^{-4}$		5	$F_1$	1	4	$F_2$	62
5554.139826	5554.103820	36.006		$0.5526 \times 10^{-5}$		3	$F_1$	1	2	$F_2$	28
5554.369280	5554.371051	-1.771	$0.1359 \times 10^{-3}$	$0.1047 \times 10^{-3}$	29.797	5	$F_2$	1	5	$F_1$	57
5554.632647	5554.616182	16.465		$0.4336 \times 10^{-4}$		5	$E$	1	5	$E$	37
5555.255116	5555.233803	21.313		$0.4122 \times 10^{-4}$		3	$F_2$	1	2	$F_1$	25



Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5556.330000	5556.323953	6.047	$0.4404 \times 10^{-2}$	$0.4223 \times 10^{-2}$	4.295	3	$A_2$	1	2	$A_1$	11
5556.437000	5556.476242	-39.242	$0.2691 \times 10^{-2}$	$0.2581 \times 10^{-2}$	4.259	3	$F_1$	1	2	$F_2$	29
5556.524997	5556.539753	-14.756		$0.9209 \times 10^{-5}$		4	$F_2$	1	3	$F_1$	44
5556.575000	5556.590436	-15.436	$0.2691 \times 10^{-2}$	$0.2560 \times 10^{-2}$	5.113	3	$F_2$	1	2	$F_1$	26
5557.031920	5557.027893	4.027	$0.1429 \times 10^{-3}$	$0.1254 \times 10^{-3}$	13.993	5	$F_1$	2	5	$F_2$	54
5557.158164	5557.147144	11.020		$0.2528 \times 10^{-4}$		5	$F_2$	1	5	$F_1$	58
5557.699140	5557.665122	34.018	$0.1703 \times 10^{-3}$	$0.1646 \times 10^{-3}$	3.441	3	$F_1$	1	2	$F_2$	30
5558.839000	5558.835897	3.103		$0.7889 \times 10^{-5}$		7	$E$	1	6	$E$	67
5561.835000	5561.810046	24.954		$0.4622 \times 10^{-4}$		7	$F_2$	2	6	$F_1$	98
5561.873226	5561.848065	25.161		$0.3625 \times 10^{-4}$		7	$F_2$	1	6	$F_1$	98
5563.127000	5563.184704	-57.704		$0.7488 \times 10^{-5}$		7	$E$	1	7	$E$	56
5563.210210	5563.201177	9.033	$0.2068 \times 10^{-3}$	$0.3118 \times 10^{-3}$	-33.672	7	$F_1$	2	6	$F_2$	103
5563.525070	5563.599080	-74.010	$0.2591 \times 10^{-3}$	$0.2471 \times 10^{-3}$	4.853	3	$F_2$	1	2	$F_1$	27
5563.971500	5564.003936	-32.436		$0.1975 \times 10^{-3}$		4	$F_2$	1	3	$F_1$	48
5564.724070	5564.775753	-51.683	$0.1717 \times 10^{-3}$	$0.2274 \times 10^{-3}$	-24.484	10	$A_1$	1	10	$A_2$	41
5565.638500	5565.613466	25.034		$0.4509 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	47
5566.681700	5566.602096	79.604		$0.1731 \times 10^{-3}$		6	$A_2$	1	6	$A_1$	24
5566.952912	5566.975884	-22.972		$0.4838 \times 10^{-5}$		6	$F_2$	2	6	$F_1$	67
5566.975096	5566.997601	-22.505		$0.1228 \times 10^{-3}$		6	$F_2$	1	6	$F_1$	67
5567.191300	5567.173770	17.530	$0.1862 \times 10^{-2}$	$0.1701 \times 10^{-2}$	9.488	2	$F_2$	1	1	$F_1$	18
5567.247000	5567.257956	-10.956		$0.8459 \times 10^{-4}$		6	$E$	1	6	$E$	47
5567.294900	5567.293373	1.527	$0.1187 \times 10^{-2}$	$0.1138 \times 10^{-2}$	4.306	2	$E$	1	1	$E$	11
5567.592700	5567.630112	-37.412	$0.1113 \times 10^{-3}$	$0.1405 \times 10^{-3}$	-20.799	4	$E$	1	4	$E$	32
5567.888800	5567.871741	17.059	$0.5382 \times 10^{-4}$	$0.4064 \times 10^{-4}$	32.415	4	$F_2$	1	4	$F_1$	46
5570.285921	5570.222839	63.082		$0.8229 \times 10^{-4}$		6	$F_2$	2	6	$F_1$	69
5570.306931	5570.244555	62.376		$0.3869 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	69
5571.944400	5571.949054	-4.654	$0.1135 \times 10^{-3}$	$0.1017 \times 10^{-3}$	11.598	4	$F_2$	1	4	$F_1$	47
5572.046920	5572.037589	9.331	$0.4726 \times 10^{-4}$	$0.4598 \times 10^{-4}$	2.774	4	$F_1$	1	4	$F_2$	49
5572.380950	5572.450805	-69.855		$0.1328 \times 10^{-4}$		5	$F_1$	1	5	$F_2$	57
5574.743125	5574.740987	2.138		$0.1762 \times 10^{-3}$		5	$F_2$	1	5	$F_1$	62
5574.956150	5574.888506	67.644	$0.8790 \times 10^{-4}$	$0.7396 \times 10^{-4}$	18.850	3	$F_2$	1	2	$F_1$	29
5574.989200	5574.975256	13.944	$0.1480 \times 10^{-2}$	$0.1666 \times 10^{-2}$	-11.149	9	$A_1$	1	9	$A_2$	39
5576.071012	5576.039302	31.710		$0.3753 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	68
5577.495010	5577.485322	9.688	$0.7095 \times 10^{-3}$	$0.6096 \times 10^{-3}$	16.394	1	$F_1$	1	0	$F_2$	7
5577.788619	5577.783307	5.312		$0.5633 \times 10^{-4}$		3	$F_1$	1	3	$F_2$	36
5577.818457	5577.851778	-33.321		$0.2285 \times 10^{-3}$		5	$E$	1	4	$E$	46
5577.990200	5577.966192	24.008		$0.1521 \times 10^{-2}$		8	$F_1$	2	8	$F_2$	104
5577.979000	5577.979918	-0.918		$0.8790 \times 10^{-5}$		4	$F_2$	1	3	$F_1$	50
5578.106570	5578.171994	-65.424		$0.4542 \times 10^{-4}$		5	$F_2$	1	5	$F_1$	64
5578.276920	5578.280096	-3.176		$0.3108 \times 10^{-3}$		5	$F_1$	2	4	$F_2$	70
5578.549600	5578.610575	-60.975	$0.1223 \times 10^{-2}$	$0.1472 \times 10^{-2}$	-16.933	8	$F_2$	2	8	$F_1$	103
5578.676600	5578.670175	6.425	$0.9394 \times 10^{-3}$	$0.9791 \times 10^{-3}$	-4.050	8	$E$	2	8	$E$	70
5579.004350	5578.982023	22.327	$0.7625 \times 10^{-4}$	$0.9896 \times 10^{-4}$	-22.951	4	$F_2$	1	3	$F_1$	51
5579.353100	5579.360501	-7.401	$0.2618 \times 10^{-2}$	$0.2165 \times 10^{-2}$	20.915	7	$A_2$	1	7	$A_1$	29
5579.650370	5579.651311	-0.941		$0.2850 \times 10^{-3}$		6	$E$	1	6	$E$	52
5579.887000	5579.880397	6.603		$0.8319 \times 10^{-3}$		6	$F_2$	1	6	$F_1$	74
5579.875100	5579.882426	-7.326		$0.1121 \times 10^{-2}$		7	$F_2$	2	7	$F_1$	93
5579.952220	5579.903914	48.306	$0.1073 \times 10^{-3}$	$0.1161 \times 10^{-3}$	-7.587	10	$F_2$	1	10	$F_1$	128
5579.911400	5579.986735	-75.335	$0.1700 \times 10^{-2}$	$0.1687 \times 10^{-2}$	0.798	6	$A_2$	1	6	$A_1$	26
5579.996010	5579.997734	-1.724		$0.2022 \times 10^{-4}$		6	$F_2$	2	6	$F_1$	75

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5580.017640	5580.019450	-1.810	$0.5421 \times 10^{-3}$	$0.1161 \times 10^{-3}$	366.725	6	$F_2$	1	6	$F_1$	75
5580.800380	5580.733394	66.986	$0.1570 \times 10^{-3}$	$0.1361 \times 10^{-3}$	15.394	3	$F_2$	1	3	$F_1$	38
5580.984780	5580.915266	69.514		$0.1601 \times 10^{-4}$		6	$F_1$	1	6	$F_2$	81
5581.764430	5581.812277	-47.847		$0.1138 \times 10^{-3}$		9	$F_1$	1	9	$F_2$	118
5582.051020	5581.977673	73.347		$0.1466 \times 10^{-3}$		9	$F_2$	1	9	$F_1$	121
5582.141000	5582.138641	2.359		$0.2316 \times 10^{-4}$		5	$F_1$	2	5	$F_2$	63
5582.158771	5582.153222	5.549		$0.3671 \times 10^{-4}$		5	$F_1$	1	5	$F_2$	63
5582.565090	5582.535077	30.013		$0.1277 \times 10^{-2}$		6	$F_2$	2	6	$F_1$	76
5582.586240	5582.556794	29.446		$0.1836 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	76
5582.885660	5582.573700	311.960	$0.1855 \times 10^{-3}$	$0.1543 \times 10^{-3}$	20.197	4	$E$	1	4	$E$	34
5582.699530	5582.738365	-38.835		$0.6602 \times 10^{-3}$		4	$F_1$	1	4	$F_2$	51
5583.071146	5583.134436	-63.290		$0.7696 \times 10^{-4}$		7	$E$	1	7	$E$	62
5583.490600	5583.457130	33.470		$0.8439 \times 10^{-3}$		5	$F_1$	2	5	$F_2$	64
5583.505000	5583.471710	33.290	$0.7584 \times 10^{-3}$	$0.8104 \times 10^{-3}$	-6.421	5	$F_1$	1	5	$F_2$	64
5584.150184	5584.243727	-93.543		$0.5353 \times 10^{-5}$		3	$F_2$	1	3	$F_1$	39
5584.673400	5584.649164	24.236	$0.2275 \times 10^{-2}$	$0.2659 \times 10^{-2}$	-14.445	4	$F_1$	1	4	$F_2$	52
5584.865300	5584.903913	-38.613	$0.1783 \times 10^{-2}$	$0.1876 \times 10^{-2}$	-4.956	4	$E$	1	4	$E$	35
5584.946200	5584.950231	-4.031		$0.1134 \times 10^{-2}$		6	$A_2$	1	6	$A_1$	27
5585.031090	5585.074951	-43.861		$0.4614 \times 10^{-5}$		6	$F_2$	2	6	$F_1$	79
5585.374290	5585.339836	34.454		$0.2361 \times 10^{-3}$		7	$F_2$	1	7	$F_1$	96
5585.485290	5585.410587	74.703		$0.3146 \times 10^{-3}$		4	$F_2$	1	3	$F_1$	54
5585.667800	5585.529793	138.007	$0.3596 \times 10^{-2}$	$0.3128 \times 10^{-2}$	14.952	3	$F_1$	1	3	$F_2$	37
5585.747300	5585.668494	78.806	$0.2789 \times 10^{-2}$	$0.2699 \times 10^{-2}$	3.327	3	$F_2$	1	3	$F_1$	40
5585.852006	5585.946085	-94.079		$0.2098 \times 10^{-4}$		6	$F_1$	1	6	$F_2$	84
5586.085990	5586.010565	75.425		$0.2084 \times 10^{-3}$		5	$E$	1	5	$E$	44
5586.040760	5586.034724	6.036		$0.3735 \times 10^{-4}$		5	$F_2$	1	5	$F_1$	68
5586.119600	5586.160911	-41.311	$0.5333 \times 10^{-2}$	$0.5261 \times 10^{-2}$	1.366	3	$A_2$	1	3	$A_1$	11
5586.604600	5586.553251	51.349	$0.1842 \times 10^{-2}$	$0.1807 \times 10^{-2}$	1.936	2	$E$	1	2	$E$	18
5586.691000	5586.668248	22.752	$0.2740 \times 10^{-2}$	$0.2645 \times 10^{-2}$	3.597	2	$F_2$	1	2	$F_1$	25
5586.840000	5586.867187	-27.187	$0.8122 \times 10^{-3}$	$0.1168 \times 10^{-2}$	-30.447	4	$F_2$	1	4	$F_1$	52
5587.080460	5586.992343	88.117		$0.6515 \times 10^{-4}$		5	$E$	1	5	$E$	45
5586.989000	5587.016996	-27.996		$0.2810 \times 10^{-5}$		6	$F_2$	2	6	$F_1$	80
5587.198200	5587.188611	9.589		$0.1791 \times 10^{-2}$		1	$F_1$	1	1	$F_2$	15
5587.264000	5587.205578	58.422		$0.6445 \times 10^{-4}$		8	$A_1$	1	7	$A_2$	44
5587.487120	5587.534694	-47.574	$0.2997 \times 10^{-3}$	$0.2092 \times 10^{-3}$	43.288	4	$F_2$	1	4	$F_1$	53
5587.747350	5587.755082	-7.732	$0.7102 \times 10^{-4}$	$0.4052 \times 10^{-4}$	75.290	4	$F_1$	1	4	$F_2$	55
5588.015000	5587.989183	25.817	$0.5348 \times 10^{-4}$	$0.1676 \times 10^{-4}$	219.104	4	$E$	1	4	$E$	36
5588.306000	5588.311466	-5.466		$0.1641 \times 10^{-4}$		7	$F_1$	2	6	$F_2$	109
5588.361000	5588.367156	-6.156		$0.1880 \times 10^{-4}$		7	$F_1$	1	6	$F_2$	109
5588.810460	5588.813140	-2.680	$0.6688 \times 10^{-3}$	$0.7388 \times 10^{-3}$	-9.475	3	$A_2$	1	2	$A_1$	14
5591.292000	5591.474247	-182.247	$0.1238 \times 10^{-2}$	$0.1363 \times 10^{-2}$	-9.157	3	$A_2$	1	3	$A_1$	12
5593.122690	5593.089986	32.704	$0.2065 \times 10^{-3}$	$0.2008 \times 10^{-3}$	2.819	3	$F_2$	1	2	$F_1$	33
5594.353148	5594.378180	-25.032		$0.4152 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	73
5594.993100	5594.978017	15.083	$0.3726 \times 10^{-3}$	$0.1806 \times 10^{-3}$	106.281	5	$F_1$	2	4	$F_2$	74
5594.960030	5595.033526	-73.496	$0.1066 \times 10^{-3}$	$0.6740 \times 10^{-4}$	58.170	2	$F_2$	1	2	$F_1$	27
5595.556225	5595.564465	-8.240		$0.1032 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	57
5596.291240	5596.289767	1.473		$0.7738 \times 10^{-6}$		4	$F_2$	1	4	$F_1$	54
5596.569380	5596.538492	30.888	$0.8851 \times 10^{-4}$	$0.7665 \times 10^{-4}$	15.468	7	$F_2$	2	6	$F_1$	109
5596.607119	5596.576511	30.608		$0.2760 \times 10^{-4}$		7	$F_2$	1	6	$F_1$	109
5597.141000	5597.144041	-3.041	$0.3107 \times 10^{-2}$	$0.3089 \times 10^{-2}$	0.575	0	$A_1$	1	1	$A_2$	7

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5597.260000	5597.311831	-51.831		$0.4164 \times 10^{-4}$		7	<i>E</i>	1	6	<i>E</i>	76
5597.999150	5598.034015	-34.865	$0.1040 \times 10^{-3}$	$0.1036 \times 10^{-3}$	0.338	5	<i>F</i> <sub>2</sub>	1	4	<i>F</i> <sub>1</sub>	70
5598.429030	5598.442911	-13.881		$0.1100 \times 10^{-3}$		3	<i>F</i> <sub>2</sub>	1	3	<i>F</i> <sub>1</sub>	44
5598.524468	5598.457734	66.734		$0.5784 \times 10^{-5}$		5	<i>F</i> <sub>2</sub>	1	5	<i>F</i> <sub>1</sub>	73
5598.765950	5598.787669	-21.719		$0.3853 \times 10^{-5}$		6	<i>F</i> <sub>2</sub>	2	5	<i>F</i> <sub>1</sub>	96
5598.788300	5598.809385	-21.085		$0.4883 \times 10^{-5}$		6	<i>F</i> <sub>2</sub>	1	5	<i>F</i> <sub>1</sub>	96
5599.511865	5599.470750	41.115		$0.2091 \times 10^{-4}$		6	<i>F</i> <sub>2</sub>	2	6	<i>F</i> <sub>1</sub>	83
5599.532741	5599.492466	40.275		$0.7950 \times 10^{-4}$		6	<i>F</i> <sub>2</sub>	1	6	<i>F</i> <sub>1</sub>	83
5600.654387	5600.686850	-32.463		$0.7957 \times 10^{-6}$		5	<i>F</i> <sub>2</sub>	1	5	<i>F</i> <sub>1</sub>	74
5600.849310	5600.861677	-12.367		$0.9447 \times 10^{-4}$		7	<i>F</i> <sub>2</sub>	2	7	<i>F</i> <sub>1</sub>	103
5600.887130	5600.899696	-12.566		$0.4298 \times 10^{-3}$		7	<i>F</i> <sub>2</sub>	1	7	<i>F</i> <sub>1</sub>	103
5600.963788	5600.932507	31.281		$0.3036 \times 10^{-3}$		4	<i>F</i> <sub>2</sub>	1	3	<i>F</i> <sub>1</sub>	57
5601.707131	5601.715264	-8.133		$0.3382 \times 10^{-4}$		4	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	59
5602.383089	5602.161693	221.396	$0.1787 \times 10^{-3}$	$0.1271 \times 10^{-3}$	40.624	5	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	77
5603.247270	5603.257554	-10.284		$0.5910 \times 10^{-5}$		4	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	60
5603.434000	5603.399963	34.037		$0.5665 \times 10^{-4}$		5	<i>F</i> <sub>1</sub>	2	5	<i>F</i> <sub>2</sub>	72
5603.447960	5603.414543	33.417	$0.4959 \times 10^{-3}$	$0.4677 \times 10^{-3}$	6.034	5	<i>F</i> <sub>1</sub>	1	5	<i>F</i> <sub>2</sub>	72
5604.016530	5604.011825	4.705		$0.5378 \times 10^{-4}$		4	<i>F</i> <sub>2</sub>	1	3	<i>F</i> <sub>1</sub>	58
5604.393330	5604.395558	-2.228		$0.3011 \times 10^{-3}$		4	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	61
5604.455510	5604.452672	2.838		$0.1834 \times 10^{-3}$		3	<i>F</i> <sub>2</sub>	1	2	<i>F</i> <sub>1</sub>	36
5604.603714	5604.634174	-30.460		$0.2921 \times 10^{-4}$		6	<i>F</i> <sub>2</sub>	2	5	<i>F</i> <sub>1</sub>	99
5604.625400	5604.655890	-30.490	$0.2532 \times 10^{-3}$	$0.2575 \times 10^{-3}$	-1.659	6	<i>F</i> <sub>2</sub>	1	5	<i>F</i> <sub>1</sub>	99
5604.661000	5604.726260	-65.260		$0.4596 \times 10^{-6}$		5	<i>F</i> <sub>2</sub>	1	4	<i>F</i> <sub>1</sub>	73
5605.119060	5605.115400	3.660	$0.4220 \times 10^{-3}$	$0.2633 \times 10^{-3}$	60.291	4	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	62
5605.714677	5605.679547	35.130	$0.6155 \times 10^{-5}$	$0.1020 \times 10^{-4}$	-39.628	5	<i>F</i> <sub>2</sub>	1	6	<i>F</i> <sub>1</sub>	63
5605.873526	5605.907094	-33.568		$0.1680 \times 10^{-3}$		3	<i>F</i> <sub>2</sub>	1	3	<i>F</i> <sub>1</sub>	48
5606.203660	5606.210372	-6.712	$0.1974 \times 10^{-4}$	$0.3050 \times 10^{-4}$	-35.278	5	<i>F</i> <sub>1</sub>	2	6	<i>F</i> <sub>2</sub>	67
5606.390740	5606.322952	67.788		$0.8386 \times 10^{-4}$		2	<i>F</i> <sub>2</sub>	1	2	<i>F</i> <sub>1</sub>	29
5606.340416	5606.339961	0.455		$0.7579 \times 10^{-5}$		6	<i>E</i>	1	5	<i>E</i>	63
5606.536041	5606.497936	38.105	$0.2843 \times 10^{-2}$	$0.2847 \times 10^{-2}$	-0.136	1	<i>F</i> <sub>1</sub>	1	2	<i>F</i> <sub>2</sub>	28
5606.595000	5606.573077	21.923		$0.5553 \times 10^{-4}$		5	<i>F</i> <sub>1</sub>	2	4	<i>F</i> <sub>2</sub>	79
5606.610480	5606.587657	22.823	$0.1380 \times 10^{-3}$	$0.1031 \times 10^{-3}$	33.910	5	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	79
5606.905800	5606.924950	-19.150		$0.6009 \times 10^{-5}$		6	<i>A</i> <sub>1</sub>	1	5	<i>A</i> <sub>2</sub>	34
5607.018474	5606.976825	41.649		$0.2253 \times 10^{-5}$		4	<i>F</i> <sub>2</sub>	1	3	<i>F</i> <sub>1</sub>	59
5606.993428	5606.977330	16.098		$0.1113 \times 10^{-4}$		4	<i>E</i>	1	5	<i>E</i>	37
5607.153410	5607.138943	14.467	$0.3953 \times 10^{-3}$	$0.3170 \times 10^{-3}$	24.695	5	<i>F</i> <sub>2</sub>	1	4	<i>F</i> <sub>1</sub>	75
5607.276520	5607.356173	-79.653	$0.2000 \times 10^{-3}$	$0.1788 \times 10^{-3}$	11.839	3	<i>F</i> <sub>1</sub>	1	2	<i>F</i> <sub>2</sub>	41
5607.534000	5607.512381	21.619		$0.1811 \times 10^{-5}$		3	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	47
5607.658274	5607.652081	6.193	$0.9754 \times 10^{-3}$	$0.9162 \times 10^{-3}$	6.465	4	<i>A</i> <sub>1</sub>	1	3	<i>A</i> <sub>2</sub>	22
5608.792070	5608.742212	49.858	$0.3393 \times 10^{-3}$	$0.3291 \times 10^{-3}$	3.089	4	<i>F</i> <sub>1</sub>	1	3	<i>F</i> <sub>2</sub>	58
5608.829137	5608.870358	-41.221		$0.1698 \times 10^{-4}$		1	<i>F</i> <sub>1</sub>	1	2	<i>F</i> <sub>2</sub>	29
5609.001520	5609.081700	-80.180	$0.2926 \times 10^{-3}$	$0.3027 \times 10^{-3}$	-3.322	2	<i>F</i> <sub>2</sub>	1	1	<i>F</i> <sub>1</sub>	25
5609.182260	5609.170522	11.738	$0.1873 \times 10^{-3}$	$0.1974 \times 10^{-3}$	-5.138	4	<i>E</i>	1	3	<i>E</i>	39
5609.396060	5609.392095	3.965	$0.1717 \times 10^{-4}$	$0.1211 \times 10^{-4}$	41.811	4	<i>F</i> <sub>1</sub>	1	5	<i>F</i> <sub>2</sub>	54
5609.507740	5609.495047	12.693	$0.3337 \times 10^{-4}$	$0.3487 \times 10^{-4}$	-4.313	4	<i>F</i> <sub>2</sub>	1	5	<i>F</i> <sub>1</sub>	58
5609.664670	5609.688322	-23.652		$0.3574 \times 10^{-4}$		3	<i>F</i> <sub>1</sub>	1	2	<i>F</i> <sub>2</sub>	42
5609.792790	5609.774900	17.890		$0.1603 \times 10^{-4}$		3	<i>F</i> <sub>2</sub>	1	4	<i>F</i> <sub>1</sub>	46
5610.092000	5610.059238	32.762		$0.1101 \times 10^{-4}$		1	<i>F</i> <sub>1</sub>	1	2	<i>F</i> <sub>2</sub>	30
5610.691090	5610.521208	169.882	$0.2517 \times 10^{-3}$	$0.2920 \times 10^{-3}$	-13.792	3	<i>F</i> <sub>2</sub>	1	2	<i>F</i> <sub>1</sub>	38
5612.810560	5612.796840	13.720		$0.1015 \times 10^{-4}$		2	<i>E</i>	1	3	<i>E</i>	25

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5613.846190	5613.852213	-6.023	$0.1409 \times 10^{-4}$	$0.1041 \times 10^{-5}$	1253.921	3	$F_2$	1	4	$F_1$	47
5613.945050	5613.936504	8.546		$0.2303 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	49
5614.912920	5614.930915	-17.995		$0.5430 \times 10^{-4}$		5	$F_2$	1	6	$F_1$	66
5615.663467	5615.594220	69.247		$0.2357 \times 10^{-2}$		2	$E$	1	3	$E$	26
5615.586571	5615.678173	-91.602	$0.3667 \times 10^{-2}$	$0.3379 \times 10^{-2}$	8.514	2	$F_2$	1	3	$F_1$	39
5616.807400	5616.861895	-54.495	$0.3190 \times 10^{-3}$	$0.3074 \times 10^{-3}$	3.762	1	$F_1$	1	0	$F_2$	9
5617.182405	5617.102940	79.465		$0.3367 \times 10^{-7}$		2	$F_2$	1	3	$F_1$	40
5619.310400	5619.296995	13.405		$0.8884 \times 10^{-7}$		2	$E$	1	3	$E$	27
5619.882530	5619.883077	-0.547	$0.1032 \times 10^{-3}$	$0.9501 \times 10^{-4}$	8.615	3	$F_2$	1	3	$F_1$	50
5620.907550	5620.885181	22.369		$0.4045 \times 10^{-4}$		3	$F_2$	1	3	$F_1$	51
5624.558810	5624.524432	34.378		$0.3349 \times 10^{-3}$		2	$F_2$	1	2	$F_1$	33
5624.596705	5624.637279	-40.574		$0.1169 \times 10^{-3}$		3	$F_1$	1	4	$F_2$	51
5624.728482	5624.800426	-71.944		$0.2589 \times 10^{-4}$		4	$F_1$	1	5	$F_2$	57
5626.568630	5626.548078	20.552		$0.4765 \times 10^{-5}$		3	$F_1$	1	4	$F_2$	52
5627.386900	5627.313746	73.154		$0.2158 \times 10^{-3}$		3	$F_2$	1	3	$F_1$	54
5628.434351	5628.403504	30.847	$0.5008 \times 10^{-3}$	$0.5399 \times 10^{-3}$	-7.234	4	$F_1$	1	4	$F_2$	68
5628.602675	5628.639449	-36.774		$0.3420 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	54
5629.392000	5629.437852	-45.852		$0.3309 \times 10^{-4}$		3	$F_2$	1	4	$F_1$	53
5629.644867	5629.653997	-9.130		$0.1203 \times 10^{-5}$		3	$F_1$	1	4	$F_2$	55
5629.762150	5629.784709	-22.559		$0.1365 \times 10^{-5}$		5	$F_2$	1	6	$F_1$	67
5629.861668	5629.877357	-15.689		$0.3193 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	44
5630.022000	5630.034212	-12.212		$0.4461 \times 10^{-6}$		5	$E$	1	6	$E$	47
5630.180000	5630.212927	-32.927	$0.2892 \times 10^{-3}$	$0.2174 \times 10^{-3}$	33.034	4	$E$	1	4	$E$	46
5630.453360	5630.519897	-66.537		$0.8432 \times 10^{-4}$		4	$F_2$	1	5	$F_1$	64
5630.641530	5630.644298	-2.768		$0.2280 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	70
5630.884492	5630.861685	22.807		$0.7857 \times 10^{-3}$		1	$F_1$	1	1	$F_2$	20
5632.094888	5632.092552	2.336		$0.3363 \times 10^{-3}$		6	$E$	1	6	$E$	67
5632.562010	5632.586928	-24.918		$0.5894 \times 10^{-3}$		6	$F_2$	1	6	$F_1$	97
5633.093000	5633.031663	61.337		$0.3206 \times 10^{-3}$		5	$F_2$	1	6	$F_1$	69
5634.508240	5634.502843	5.397		$0.1226 \times 10^{-2}$		4	$F_1$	1	5	$F_2$	63
5635.086013	5635.059550	26.463		$0.6510 \times 10^{-5}$		6	$F_2$	1	6	$F_1$	98
5635.854900	5635.821331	33.569		$0.4474 \times 10^{-3}$		4	$F_1$	1	5	$F_2$	64
5635.890180	5635.887118	3.062	$0.3530 \times 10^{-4}$	$0.5520 \times 10^{-4}$	-36.054	2	$F_2$	1	2	$F_1$	36
5636.447005	5636.438578	8.427		$0.2218 \times 10^{-4}$		6	$F_1$	1	6	$F_2$	103
5636.382270	5636.441359	-59.089		$0.2623 \times 10^{-3}$		6	$E$	1	7	$E$	56
5637.308111	5637.341540	-33.429		$0.4351 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	48
5637.455000	5637.463379	-8.379	$0.7339 \times 10^{-5}$	$0.7318 \times 10^{-5}$	0.281	3	$F_1$	1	4	$F_2$	57
5638.193310	5638.192926	0.384	$0.1863 \times 10^{-4}$	$0.8166 \times 10^{-7}$	22713.749	3	$F_2$	1	4	$F_1$	54
5638.445990	5638.371714	74.276		$0.2010 \times 10^{-4}$		4	$E$	1	5	$E$	44
5638.386935	5638.382627	4.308		$0.2945 \times 10^{-4}$		4	$F_2$	1	5	$F_1$	68
5642.427050	5642.427567	-0.517		$0.1492 \times 10^{-2}$		5	$E$	1	6	$E$	52
5642.804573	5642.806559	-1.986	$0.8301 \times 10^{-3}$	$0.3481 \times 10^{-2}$	-76.152	5	$F_2$	1	6	$F_1$	75
5642.868424	5642.835666	32.758		$0.7665 \times 10^{-4}$		3	$F_2$	1	3	$F_1$	57
5643.152330	5643.228411	-76.081	$0.1908 \times 10^{-2}$	$0.1674 \times 10^{-2}$	14.002	0	$A_1$	1	1	$A_2$	9
5643.607530	5643.614178	-6.648		$0.3853 \times 10^{-5}$		3	$F_1$	1	4	$F_2$	59
5643.786000	5643.717595	68.405		$0.2858 \times 10^{-4}$		5	$F_1$	2	6	$F_2$	81
5643.800113	5643.732175	67.938		$0.8951 \times 10^{-3}$		5	$F_1$	1	6	$F_2$	81
5645.146490	5645.156468	-9.978		$0.1693 \times 10^{-3}$		3	$F_1$	1	4	$F_2$	60
5645.373120	5645.343902	29.218		$0.2377 \times 10^{-4}$		5	$F_2$	1	6	$F_1$	76
5645.918330	5645.914984	3.346		$0.2056 \times 10^{-3}$		3	$F_2$	1	3	$F_1$	58

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5646.293520	5646.294473	-0.953		$0.7088 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	61
5646.719640	5646.742382	-22.742	$0.1349 \times 10^{-3}$	$0.1767 \times 10^{-3}$	-23.669	4	$F_1$	1	4	$F_2$	73
5647.017670	5647.014314	3.356		$0.6643 \times 10^{-5}$		3	$F_1$	1	4	$F_2$	62
5647.356000	5647.342219	13.781		$0.1099 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	74
5648.671000	5648.762994	-91.994		$0.3109 \times 10^{-4}$		5	$F_1$	1	6	$F_2$	84
5648.921523	5648.879983	41.540		$0.5668 \times 10^{-5}$		3	$F_2$	1	3	$F_1$	59
5650.347280	5650.381918	-34.638	$0.7068 \times 10^{-4}$	$0.4389 \times 10^{-4}$	61.035	4	$F_2$	1	4	$F_1$	70
5650.874110	5650.805637	68.473	$0.4249 \times 10^{-4}$	$0.3983 \times 10^{-4}$	6.686	4	$F_2$	1	5	$F_1$	73
5651.317150	5651.317522	-0.372	$0.2137 \times 10^{-3}$	$0.1687 \times 10^{-3}$	26.707	2	$F_2$	1	3	$F_1$	50
5652.141040	5652.088762	52.278	$0.3408 \times 10^{-3}$	$0.4160 \times 10^{-3}$	-18.082	4	$F_2$	1	4	$F_1$	71
5652.341970	5652.319627	22.343		$0.8653 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	51
5652.587380	5652.594829	-7.449	$0.6945 \times 10^{-3}$	$0.1791 \times 10^{-2}$	-61.231	6	$A_2$	1	7	$A_1$	29
5652.998266	5653.034753	-36.487		$0.8623 \times 10^{-5}$		4	$F_2$	1	5	$F_1$	74
5653.102920	5653.110213	-7.293		$0.9799 \times 10^{-3}$		6	$F_2$	2	7	$F_1$	93
5653.124440	5653.131929	-7.489		$0.2077 \times 10^{-3}$		6	$F_2$	1	7	$F_1$	93
5654.732530	5654.511314	221.216	$0.1434 \times 10^{-3}$	$0.1147 \times 10^{-3}$	25.001	4	$F_1$	1	4	$F_2$	77
5655.729000	5655.713514	15.486		$0.2778 \times 10^{-4}$		6	$E$	1	7	$E$	61
5655.799000	5655.764164	34.836		$0.1531 \times 10^{-3}$		4	$F_1$	1	5	$F_2$	72
5656.328899	5656.391091	-62.192	$0.2055 \times 10^{-4}$	$0.1371 \times 10^{-3}$	-85.006	6	$E$	1	7	$E$	62
5657.008400	5657.074163	-65.763		$0.2229 \times 10^{-3}$		4	$F_2$	1	4	$F_1$	73
5658.584000	5658.551321	32.679		$0.2821 \times 10^{-4}$		6	$F_2$	1	7	$F_1$	96
5658.962430	5658.937278	25.152	$0.3479 \times 10^{-4}$	$0.4031 \times 10^{-4}$	-13.685	4	$F_1$	1	4	$F_2$	79
5659.669567	5659.750289	-80.722		$0.2734 \times 10^{-4}$		1	$F_1$	1	2	$F_2$	41
5661.543000	5661.548867	-5.867		$0.1193 \times 10^{-3}$		6	$F_1$	1	6	$F_2$	109
5661.570000	5661.596493	-26.493		$0.2922 \times 10^{-5}$		5	$F_2$	1	5	$F_1$	96
5662.058793	5662.082438	-23.645	$0.8734 \times 10^{-3}$	$0.8809 \times 10^{-3}$	-0.848	1	$F_1$	1	2	$F_2$	42
5662.210000	5662.272262	-62.262		$0.7825 \times 10^{-4}$		7	$F_2$	2	8	$F_1$	103
5662.328529	5662.321315	7.214		$0.1400 \times 10^{-3}$		7	$E$	1	8	$E$	70
5665.891829	5665.896905	-5.076		$0.2855 \times 10^{-4}$		5	$F_1$	2	5	$F_2$	93
5665.905713	5665.911485	-5.772		$0.9089 \times 10^{-5}$		5	$F_1$	1	5	$F_2$	93
5667.239658	5667.186216	53.442		$0.1521 \times 10^{-2}$		9	$A_2$	1	10	$A_1$	42
5667.413255	5667.442999	-29.744		$0.8679 \times 10^{-5}$		5	$F_2$	1	5	$F_1$	99
5669.088699	5669.075769	12.930		$0.4443 \times 10^{-4}$		8	$A_1$	1	9	$A_2$	39
5669.114757	5669.116217	-1.460		$0.3058 \times 10^{-4}$		5	$E$	1	5	$E$	63
5669.114884	5669.167700	-52.816		$0.1228 \times 10^{-2}$		9	$A_1$	1	10	$A_2$	41
5669.176144	5669.181594	-5.450		$0.1649 \times 10^{-4}$		6	$F_1$	1	6	$F_2$	113
5669.329866	5669.340383	-10.517		$0.2039 \times 10^{-4}$		5	$F_1$	2	5	$F_2$	94
5669.343000	5669.354963	-11.963		$0.6783 \times 10^{-5}$		5	$F_1$	1	5	$F_2$	94
5669.521000	5669.530020	-9.020		$0.6650 \times 10^{-5}$		6	$E$	1	6	$E$	75
5669.819750	5669.787995	31.755	$0.5693 \times 10^{-4}$	$0.5964 \times 10^{-4}$	-4.544	6	$F_2$	1	6	$F_1$	109
5670.334850	5670.302418	32.432		$0.8488 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	68
5670.517440	5670.568486	-51.046	$0.4010 \times 10^{-4}$	$0.3406 \times 10^{-4}$	17.741	6	$E$	1	6	$E$	76
5672.540380	5672.543212	-2.832	$0.2020 \times 10^{-3}$	$0.1720 \times 10^{-3}$	17.452	3	$F_1$	1	4	$F_2$	70
5674.098576	5674.111181	-12.605		$0.5259 \times 10^{-4}$		6	$F_2$	1	7	$F_1$	103
5674.300524	5674.270111	30.413		$0.1666 \times 10^{-3}$		2	$F_2$	1	3	$F_1$	57
5675.595920	5675.594784	1.136	$0.3197 \times 10^{-4}$	$0.4150 \times 10^{-4}$	-22.966	7	$F_1$	2	7	$F_2$	127
5677.340151	5677.337939	2.212		$0.5295 \times 10^{-4}$		6	$F_2$	2	6	$F_1$	111
5677.353000	5677.349430	3.570		$0.8283 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	58
5677.362000	5677.359655	2.345		$0.6295 \times 10^{-5}$		6	$F_2$	1	6	$F_1$	111
5677.521330	5677.495709	25.621	$0.2324 \times 10^{-4}$	$0.1792 \times 10^{-4}$	29.707	7	$F_2$	2	7	$F_1$	132

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5677.559850	5677.533728	26.122	$0.9901 \times 10^{-5}$	$0.1045 \times 10^{-4}$	-5.214	7	$F_2$	1	7	$F_1$	132
5680.356370	5680.314429	41.941		$0.3019 \times 10^{-3}$		2	$F_2$	1	3	$F_1$	59
5682.515590	5682.504414	11.176	$0.1855 \times 10^{-3}$	$0.2262 \times 10^{-3}$	-17.976	2	$E$	1	3	$E$	39
5686.030120	5686.039177	-9.057	$0.1165 \times 10^{-3}$	$0.3823 \times 10^{-4}$	204.745	7	$A_2$	1	7	$A_1$	42
5686.253900	5686.228626	25.274		$0.9202 \times 10^{-5}$		7	$F_2$	2	7	$F_1$	136
5687.531400	5687.519040	12.360		$0.6380 \times 10^{-6}$		13	$F_2$	3	12	$F_1$	284
5687.858780	5687.840258	18.522		$0.6589 \times 10^{-4}$		10	$A_1$	1	9	$A_2$	70
5688.435180	5688.460190	-25.010	$0.8697 \times 10^{-4}$	$0.8180 \times 10^{-4}$	6.316	9	$F_1$	3	8	$F_2$	180
5688.715190	5688.713354	1.836	$0.2157 \times 10^{-3}$	$0.2031 \times 10^{-3}$	6.185	9	$A_1$	1	8	$A_2$	58
5689.254625	5689.241133	13.492		$0.3082 \times 10^{-6}$		3	$F_1$	1	4	$F_2$	74
5692.249920	5692.285077	-35.157		$0.2390 \times 10^{-4}$		3	$F_2$	1	4	$F_1$	70
5694.044260	5693.991920	52.340		$0.1112 \times 10^{-3}$		3	$F_2$	1	4	$F_1$	71
5694.871180	5694.868807	2.373		$0.4104 \times 10^{-4}$		5	$E$	1	6	$E$	67
5695.349710	5695.374037	-24.327		$0.5718 \times 10^{-4}$		5	$F_2$	1	6	$F_1$	97
5696.632330	5696.410228	222.102	$0.3870 \times 10^{-4}$	$0.3997 \times 10^{-4}$	-3.166	3	$F_1$	1	4	$F_2$	77
5696.205832	5696.417883	-212.051	$0.1510 \times 10^{-2}$	$0.1729 \times 10^{-2}$	-12.679	3	$A_2$	1	4	$A_1$	27
5697.386730	5697.390846	-4.116	$0.8032 \times 10^{-4}$	$0.1058 \times 10^{-3}$	-24.079	12	$F_2$	2	11	$F_1$	267
5698.912500	5698.977321	-64.821		$0.5139 \times 10^{-3}$		3	$F_2$	1	4	$F_1$	73
5699.248360	5699.240907	7.453		$0.2430 \times 10^{-4}$		5	$F_1$	2	6	$F_2$	103
5699.261690	5699.255488	6.202	$0.8372 \times 10^{-4}$	$0.8316 \times 10^{-4}$	0.672	5	$F_1$	1	6	$F_2$	103
5700.860501	5700.836192	24.309		$0.8699 \times 10^{-3}$		3	$F_1$	1	4	$F_2$	79
5701.497092	5701.277817	219.275	$0.4472 \times 10^{-3}$	$0.5596 \times 10^{-3}$	-20.093	10	$E$	1	9	$E$	141
5701.404729	5701.390004	14.725		$0.5523 \times 10^{-4}$		3	$F_2$	1	4	$F_1$	75
5701.565590	5701.390703	174.887	$0.7694 \times 10^{-3}$	$0.8415 \times 10^{-3}$	-8.570	10	$F_2$	1	9	$F_1$	217
5701.719177	5701.632941	86.236	$0.1225 \times 10^{-2}$	$0.1408 \times 10^{-2}$	-13.019	10	$A_2$	1	9	$A_1$	69
5701.798244	5701.807580	-9.336		$0.4332 \times 10^{-4}$		12	$F_1$	3	11	$F_2$	264
5702.283400	5702.291193	-7.793		$0.2696 \times 10^{-4}$		12	$F_1$	1	11	$F_2$	264
5702.417000	5702.428882	-11.882	$0.3670 \times 10^{-4}$	$0.4816 \times 10^{-4}$	-23.800	9	$F_1$	3	8	$F_2$	188
5702.467370	5702.478602	-11.232	$0.3281 \times 10^{-4}$	$0.3062 \times 10^{-4}$	7.151	9	$F_1$	2	8	$F_2$	188
5704.202259	5704.168363	33.896		$0.1230 \times 10^{-3}$		8	$F_2$	2	7	$F_1$	162
5704.420890	5704.357478	63.412		$0.1506 \times 10^{-3}$		8	$F_1$	2	7	$F_2$	158
5705.405410	5705.406404	-0.994	$0.1290 \times 10^{-3}$	$0.8090 \times 10^{-4}$	59.448	8	$F_2$	1	7	$F_1$	163
5709.198821	5709.205569	-6.748	$0.2752 \times 10^{-4}$	$0.2435 \times 10^{-4}$	13.042	11	$F_1$	3	10	$F_2$	243
5709.291600	5709.298111	-6.511	$0.6625 \times 10^{-4}$	$0.9795 \times 10^{-4}$	-32.362	11	$F_1$	2	10	$F_2$	243
5709.881200	5709.910242	-29.042		$0.9091 \times 10^{-4}$		11	$E$	2	10	$E$	163
5710.340212	5710.290187	50.025	$0.1169 \times 10^{-3}$	$0.1077 \times 10^{-3}$	8.581	11	$F_1$	3	10	$F_2$	244
5710.466759	5710.468952	-2.193		$0.7466 \times 10^{-4}$		11	$F_1$	3	10	$F_2$	245
5711.456194	5711.473066	-16.872		$0.2520 \times 10^{-4}$		8	$F_1$	1	7	$F_2$	161
5712.349282	5712.339472	9.810		$0.7660 \times 10^{-3}$		10	$F_1$	1	9	$F_2$	213
5712.944000	5712.930799	13.201		$0.4811 \times 10^{-5}$		8	$F_2$	1	7	$F_1$	166
5713.081460	5713.072991	8.469		$0.1136 \times 10^{-4}$		11	$F_2$	2	10	$F_1$	239
5713.369350	5713.384656	-15.306		$0.1542 \times 10^{-3}$		8	$A_1$	1	7	$A_2$	57
5713.922786	5713.944396	-21.610		$0.8751 \times 10^{-3}$		4	$F_2$	1	5	$F_1$	96
5714.295811	5714.276268	19.543		$0.1278 \times 10^{-2}$		9	$F_1$	1	8	$F_2$	192
5714.334132	5714.333023	1.109		$0.1170 \times 10^{-2}$		10	$A_1$	1	9	$A_2$	74
5714.647308	5714.649552	-2.244		$0.1269 \times 10^{-2}$		9	$F_2$	1	8	$F_1$	188
5714.727646	5714.710238	17.408		$0.9199 \times 10^{-4}$		11	$A_2$	1	10	$A_1$	84
5716.328577	5716.300746	27.831		$0.1087 \times 10^{-3}$		4	$F_2$	1	5	$F_1$	97
5716.554410	5716.521260	33.150		$0.1292 \times 10^{-3}$		8	$F_2$	2	7	$F_1$	167
5717.047922	5717.099635	-51.713		$0.6169 \times 10^{-3}$		10	$F_1$	2	9	$F_2$	214



Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$	
5717.112346	5717.123411	-11.065		$0.1330 \times 10^{-3}$			8	$F_2$	1	7	$F_1$	168
5717.514972	5717.577766	-62.794		$0.3671 \times 10^{-3}$			10	$E$	2	9	$E$	143
5718.422316	5718.502905	-80.589		$0.4965 \times 10^{-3}$			10	$F_2$	3	9	$F_1$	220
5719.148850	5719.172385	-23.535	$0.1515 \times 10^{-3}$	$0.1551 \times 10^{-3}$	-2.312	7	$F_1$	2	6	$F_2$	141	
5719.544520	5719.492679	51.841	$0.1439 \times 10^{-3}$	$0.1142 \times 10^{-3}$	26.019	7	$E$	1	6	$E$	93	
5719.760032	5719.790901	-30.869		$0.1128 \times 10^{-4}$			4	$F_2$	1	5	$F_1$	99
5719.879160	5719.876863	2.297	$0.1744 \times 10^{-3}$	$0.1627 \times 10^{-3}$	7.210	7	$F_2$	2	6	$F_1$	135	
5720.410129	5720.443349	-33.220	$0.2603 \times 10^{-3}$	$0.1970 \times 10^{-3}$	32.165	7	$A_2$	1	6	$A_1$	49	
5721.129680	5721.150702	-21.022	$0.1357 \times 10^{-3}$	$0.1573 \times 10^{-3}$	-13.717	10	$F_2$	3	9	$F_1$	222	
5721.476079	5721.477365	-1.286	$0.3376 \times 10^{-3}$	$0.2095 \times 10^{-3}$	61.163	4	$E$	1	5	$E$	63	
5721.500294	5721.515574	-15.280	$0.8535 \times 10^{-4}$	$0.9761 \times 10^{-4}$	-12.561	10	$F_1$	2	9	$F_2$	216	
5721.694509	5721.704584	-10.075		$0.3801 \times 10^{-3}$			4	$F_1$	1	5	$F_2$	94
5721.754669	5721.719005	35.664		$0.4785 \times 10^{-4}$			7	$F_1$	1	6	$F_2$	142
5722.079404	5722.097312	-17.908		$0.7955 \times 10^{-3}$			4	$A_1$	1	5	$A_2$	34
5722.569020	5722.601541	-32.521	$0.1548 \times 10^{-3}$	$0.1394 \times 10^{-3}$	11.027	7	$F_2$	1	6	$F_1$	137	
5723.308733	5723.292673	16.060	$0.7014 \times 10^{-3}$	$0.7446 \times 10^{-3}$	-5.802	9	$E$	1	8	$E$	129	
5723.484000	5723.493971	-9.971		$0.1643 \times 10^{-4}$			11	$F_2$	2	10	$F_1$	249
5723.653110	5723.663150	-10.040	$0.2359 \times 10^{-4}$	$0.7034 \times 10^{-4}$	-66.463	11	$F_2$	1	10	$F_1$	249	
5723.975174	5723.959868	15.306	$0.1137 \times 10^{-2}$	$0.1182 \times 10^{-2}$	-3.838	9	$F_1$	2	8	$F_2$	194	
5724.346790	5724.351196	-4.406	$0.1273 \times 10^{-3}$	$0.6249 \times 10^{-4}$	103.728	5	$F_1$	2	6	$F_2$	109	
5724.358000	5724.365777	-7.777		$0.1028 \times 10^{-4}$			5	$F_1$	1	6	$F_2$	109
5726.505397	5726.497223	8.174	$0.3175 \times 10^{-4}$	$0.2306 \times 10^{-4}$	37.690	10	$F_1$	2	9	$F_2$	219	
5726.684150	5726.682282	1.868	$0.1853 \times 10^{-2}$	$0.1933 \times 10^{-2}$	-4.148	9	$A_1$	1	8	$A_2$	62	
5726.836321	5726.847828	-11.507	$0.2833 \times 10^{-2}$	$0.3047 \times 10^{-2}$	-7.038	8	$A_1$	1	7	$A_2$	59	
5727.334592	5727.351600	-17.008	$0.1736 \times 10^{-2}$	$0.1798 \times 10^{-2}$	-3.460	8	$F_1$	1	7	$F_2$	167	
5727.404171	5727.402151	2.020	$0.3860 \times 10^{-4}$	$0.3581 \times 10^{-4}$	7.792	10	$F_2$	3	9	$F_1$	225	
5727.520279	5727.517491	2.788	$0.2464 \times 10^{-4}$	$0.2198 \times 10^{-4}$	12.113	10	$F_2$	2	9	$F_1$	225	
5727.616399	5727.636757	-20.358	$0.1120 \times 10^{-2}$	$0.1187 \times 10^{-2}$	-5.655	8	$E$	1	7	$E$	111	
5728.338313	5728.333232	5.081	$0.1388 \times 10^{-2}$	$0.1020 \times 10^{-2}$	36.013	9	$F_1$	3	8	$F_2$	195	
5728.760510	5728.754926	5.584	$0.9815 \times 10^{-4}$	$0.7338 \times 10^{-4}$	33.747	7	$F_1$	1	6	$F_2$	144	
5729.260672	5729.268329	-7.657		$0.9779 \times 10^{-3}$			9	$F_2$	2	8	$F_1$	191
5730.261618	5730.284569	-22.951	$0.1784 \times 10^{-2}$	$0.1779 \times 10^{-2}$	0.255	9	$A_2$	1	8	$A_1$	69	
5730.725723	5730.754293	-28.570		$0.2542 \times 10^{-3}$			7	$F_1$	2	6	$F_2$	145
5730.768639	5730.784426	-15.787		$0.3459 \times 10^{-4}$			7	$F_2$	1	6	$F_1$	139
5730.796620	5730.834637	-38.017		$0.9695 \times 10^{-4}$			7	$E$	1	6	$E$	97
5731.151650	5731.126564	25.086	$0.2336 \times 10^{-3}$	$0.1667 \times 10^{-3}$	40.111	7	$A_2$	1	6	$A_1$	50	
5731.977311	5731.983923	-6.612	$0.8516 \times 10^{-3}$	$0.6780 \times 10^{-3}$	25.600	5	$F_1$	2	6	$F_2$	113	
5731.992000	5731.998503	-6.503		$0.3706 \times 10^{-4}$			5	$F_1$	1	6	$F_2$	113
5732.299712	5732.306275	-6.563	$0.4807 \times 10^{-3}$	$0.3651 \times 10^{-3}$	31.672	5	$E$	1	6	$E$	75	
5732.603672	5732.576747	26.925		$0.1770 \times 10^{-3}$			7	$F_1$	1	6	$F_2$	146
5732.653010	5732.647572	5.438		$0.6271 \times 10^{-3}$			7	$A_2$	1	6	$A_1$	51
5732.755515	5732.755834	-0.319	$0.3065 \times 10^{-3}$	$0.2979 \times 10^{-3}$	2.895	7	$F_2$	2	6	$F_1$	141	
5732.792000	5732.793852	-1.852		$0.1181 \times 10^{-4}$			7	$F_2$	1	6	$F_1$	141
5733.293500	5733.344742	-51.242	$0.1741 \times 10^{-3}$	$0.1452 \times 10^{-3}$	19.898	5	$E$	1	6	$E$	76	
5734.074000	5734.066023	7.977	$0.2446 \times 10^{-4}$	$0.3449 \times 10^{-4}$	-29.071	9	$F_1$	2	8	$F_2$	197	
5734.233445	5734.284366	-50.921	$0.2420 \times 10^{-3}$	$0.2582 \times 10^{-3}$	-6.270	6	$A_1$	1	5	$A_2$	41	
5734.625981	5734.635678	-9.697		$0.1647 \times 10^{-3}$			6	$F_1$	1	5	$F_2$	115
5735.097750	5735.088963	8.787	$0.1669 \times 10^{-3}$	$0.1665 \times 10^{-3}$	0.268	6	$F_2$	2	5	$F_1$	120	
5735.408843	5735.410912	-2.069	$0.1524 \times 10^{-2}$	$0.1563 \times 10^{-2}$	-2.509	8	$F_2$	1	7	$F_1$	172	
5736.679800	5736.684847	-5.047	$0.7613 \times 10^{-4}$	$0.7192 \times 10^{-4}$	5.851	6	$F_2$	1	5	$F_1$	121	

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5738.047204	5738.049704	-2.500	$0.1330 \times 10^{-2}$	$0.1349 \times 10^{-2}$	-1.421	8	$F_1$	2	7	$F_2$	169
5738.789330	5738.792749	-3.419		$0.3290 \times 10^{-4}$		6	$F_2$	2	5	$F_1$	122
5738.811230	5738.814465	-3.235	$0.5267 \times 10^{-4}$	$0.5540 \times 10^{-4}$	-4.920	6	$F_2$	1	5	$F_1$	122
5738.960000	5738.949383	10.617	$0.1223 \times 10^{-4}$	$0.1552 \times 10^{-4}$	-21.186	9	$F_1$	2	8	$F_2$	200
5739.190990	5739.196540	-5.550	$0.1079 \times 10^{-3}$	$0.9947 \times 10^{-4}$	8.473	10	$E$	2	9	$E$	155
5739.339000	5739.371953	-32.953	$0.1712 \times 10^{-4}$	$0.2418 \times 10^{-4}$	-29.198	6	$F_1$	1	5	$F_2$	117
5739.690478	5739.710864	-20.386	$0.2312 \times 10^{-2}$	$0.2409 \times 10^{-2}$	-4.037	7	$F_1$	1	6	$F_2$	148
5739.847554	5739.830766	16.788	$0.9649 \times 10^{-3}$	$0.9829 \times 10^{-3}$	-1.827	8	$E$	2	7	$E$	113
5740.149508	5740.146763	2.745	$0.6092 \times 10^{-3}$	$0.5495 \times 10^{-3}$	10.856	5	$F_2$	1	6	$F_1$	111
5740.561774	5740.283232	278.542	$0.5796 \times 10^{-3}$	$0.1189 \times 10^{-3}$	387.300	5	$F_1$	1	6	$F_2$	116
5740.457596	5740.474275	-16.679	$0.2313 \times 10^{-2}$	$0.2323 \times 10^{-2}$	-0.448	7	$F_2$	1	6	$F_1$	142
5740.904601	5740.906444	-1.843	$0.1517 \times 10^{-2}$	$0.1476 \times 10^{-2}$	2.790	8	$F_2$	2	7	$F_1$	174
5743.572690	5743.556224	16.466		$0.5843 \times 10^{-4}$		6	$E$	1	5	$E$	79
5743.675010	5743.663203	11.807	$0.6706 \times 10^{-4}$	$0.5477 \times 10^{-4}$	22.445	6	$F_2$	1	5	$F_1$	123
5744.048260	5743.990752	57.508		$0.3640 \times 10^{-3}$		6	$A_1$	1	7	$A_2$	44
5745.191826	5745.209071	-17.245	$0.9676 \times 10^{-4}$	$0.9192 \times 10^{-4}$	5.267	8	$F_1$	2	7	$F_2$	171
5745.244268	5745.265639	-21.371	$0.3577 \times 10^{-3}$	$0.3475 \times 10^{-3}$	2.945	6	$F_1$	1	5	$F_2$	119
5745.401000	5745.401854	-0.854		$0.2245 \times 10^{-4}$		8	$E$	1	7	$E$	114
5745.553442	5745.573971	-20.529	$0.1170 \times 10^{-2}$	$0.1100 \times 10^{-2}$	6.389	6	$A_1$	1	5	$A_2$	42
5746.610000	5746.612830	-2.830		$0.1669 \times 10^{-4}$		7	$F_2$	2	6	$F_1$	143
5746.850050	5746.880581	-30.531	$0.2121 \times 10^{-3}$	$0.2045 \times 10^{-3}$	3.738	6	$F_2$	2	5	$F_1$	125
5746.872248	5746.902297	-30.049	$0.2958 \times 10^{-3}$	$0.2353 \times 10^{-3}$	25.701	6	$F_2$	1	5	$F_1$	125
5746.915041	5746.923613	-8.572	$0.3374 \times 10^{-2}$	$0.3545 \times 10^{-2}$	-4.817	7	$A_2$	1	6	$A_1$	52
5747.669970	5747.665861	4.109	$0.4039 \times 10^{-3}$	$0.3816 \times 10^{-3}$	5.841	10	$A_1$	1	9	$A_2$	81
5747.826712	5747.839365	-12.653	$0.3366 \times 10^{-3}$	$0.2968 \times 10^{-3}$	13.428	6	$F_2$	2	5	$F_1$	126
5747.846886	5747.861082	-14.196		$0.2333 \times 10^{-4}$		6	$F_2$	1	5	$F_1$	126
5748.153046	5748.088351	64.695		$0.8549 \times 10^{-3}$		9	$A_1$	1	8	$A_2$	66
5748.833660	5748.832185	1.475	$0.6510 \times 10^{-3}$	$0.5699 \times 10^{-3}$	14.238	6	$F_1$	1	7	$F_2$	127
5748.872800	5748.870734	2.066	$0.2080 \times 10^{-2}$	$0.2005 \times 10^{-2}$	3.744	7	$F_2$	2	6	$F_1$	144
5749.070676	5749.059347	11.329		$0.1876 \times 10^{-4}$		8	$A_1$	1	7	$A_2$	61
5749.293326	5749.290703	2.623		$0.7114 \times 10^{-3}$		7	$E$	1	6	$E$	99
5749.718770	5749.742259	-23.489	$0.1333 \times 10^{-3}$	$0.1439 \times 10^{-3}$	-7.364	5	$F_1$	2	4	$F_2$	97
5750.123871	5750.113329	10.542		$0.4213 \times 10^{-4}$		9	$F_2$	2	8	$F_1$	205
5750.255280	5750.255562	-0.282	$0.8528 \times 10^{-4}$	$0.9924 \times 10^{-4}$	-14.068	5	$E$	1	4	$E$	65
5750.750211	5750.723496	26.715	$0.6006 \times 10^{-3}$	$0.5252 \times 10^{-3}$	14.353	6	$F_2$	2	7	$F_1$	132
5750.771590	5750.745213	26.377		$0.2969 \times 10^{-4}$		6	$F_2$	1	7	$F_1$	132
5750.974252	5751.023818	-49.566		$0.6410 \times 10^{-3}$		7	$E$	1	6	$E$	100
5751.445850	5751.447716	-1.866	$0.1225 \times 10^{-3}$	$0.1350 \times 10^{-3}$	-9.283	5	$F_2$	1	4	$F_1$	94
5751.959190	5751.972868	-13.678	$0.6219 \times 10^{-4}$	$0.6244 \times 10^{-4}$	-0.404	5	$F_1$	1	4	$F_2$	98
5752.097926	5752.116710	-18.784	$0.1930 \times 10^{-2}$	$0.1989 \times 10^{-2}$	-2.959	6	$E$	1	5	$E$	81
5752.134930	5752.149469	-14.539	$0.1797 \times 10^{-2}$	$0.1816 \times 10^{-2}$	-1.053	7	$F_1$	2	6	$F_2$	151
5752.188500	5752.205160	-16.660		$0.2954 \times 10^{-7}$		7	$F_1$	1	6	$F_2$	151
5752.643208	5752.656105	-12.897	$0.2740 \times 10^{-2}$	$0.2907 \times 10^{-2}$	-5.738	6	$F_2$	1	5	$F_1$	127
5752.848039	5752.825055	22.984		$0.1256 \times 10^{-3}$		9	$F_1$	3	8	$F_2$	211
5752.876468	5752.914051	-37.583		$0.1466 \times 10^{-2}$		9	$A_2$	1	8	$A_1$	74
5753.574835	5753.530608	44.227	$0.1268 \times 10^{-3}$	$0.1255 \times 10^{-3}$	1.032	5	$F_2$	1	4	$F_1$	95
5753.611675	5753.627720	-16.045	$0.5688 \times 10^{-3}$	$0.4200 \times 10^{-3}$	35.433	9	$F_2$	2	8	$F_1$	208
5753.758000	5753.772436	-14.436		$0.2172 \times 10^{-4}$		9	$F_2$	1	8	$F_1$	208
5754.005557	5754.000028	5.529	$0.3885 \times 10^{-2}$	$0.4452 \times 10^{-2}$	-12.727	6	$A_2$	1	5	$A_1$	39
5755.710700	5755.719689	-8.989	$0.1514 \times 10^{-3}$	$0.8883 \times 10^{-4}$	70.431	7	$E$	1	6	$E$	101

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5757.043507	5757.031173	12.334	$0.4827 \times 10^{-3}$	$0.4461 \times 10^{-3}$	8.203	9	$F_1$	3	8	$F_2$	214
5757.093893	5757.080892	13.001	$0.1313 \times 10^{-3}$	$0.1289 \times 10^{-3}$	1.869	9	$F_1$	2	8	$F_2$	214
5757.185350	5757.180977	4.373	$0.1780 \times 10^{-3}$	$0.1464 \times 10^{-3}$	21.549	7	$F_2$	2	6	$F_1$	145
5757.221339	5757.218995	2.344		$0.5166 \times 10^{-4}$		7	$F_2$	1	6	$F_1$	145
5757.544967	5757.539208	5.759		$0.1943 \times 10^{-3}$		8	$A_1$	1	7	$A_2$	63
5757.891000	5757.884500	6.500		$0.1415 \times 10^{-4}$		7	$E$	1	6	$E$	102
5758.364586	5758.379501	-14.915		$0.3094 \times 10^{-4}$		6	$E$	1	5	$E$	82
5758.497710	5758.471694	26.016	$0.1612 \times 10^{-3}$	$0.1558 \times 10^{-3}$	3.438	5	$F_2$	1	4	$F_1$	96
5758.584850	5758.567495	17.355	$0.1661 \times 10^{-3}$	$0.1514 \times 10^{-3}$	9.711	5	$F_1$	1	4	$F_2$	99
5758.863050	5758.873904	-10.854	$0.1010 \times 10^{-3}$	$0.1058 \times 10^{-3}$	-4.498	8	$F_2$	2	7	$F_1$	183
5758.906000	5758.914299	-8.299	$0.4668 \times 10^{-4}$	$0.4730 \times 10^{-4}$	-1.315	8	$F_2$	1	7	$F_1$	183
5758.926620	5758.928414	-1.794	$0.3481 \times 10^{-3}$	$0.3130 \times 10^{-3}$	11.226	8	$F_1$	2	7	$F_2$	179
5759.263227	5759.273505	-10.278	$0.1025 \times 10^{-2}$	$0.7848 \times 10^{-3}$	30.614	6	$A_2$	1	7	$A_1$	42
5759.464427	5759.472935	-8.508	$0.3009 \times 10^{-3}$	$0.3049 \times 10^{-3}$	-1.299	5	$E$	1	4	$E$	67
5759.503573	5759.478129	25.444		$0.4856 \times 10^{-3}$		6	$F_2$	1	7	$F_1$	136
5759.585151	5759.523511	61.640		$0.3743 \times 10^{-3}$		6	$E$	1	7	$E$	88
5760.152375	5760.148407	3.968	$0.9923 \times 10^{-3}$	$0.9549 \times 10^{-3}$	3.914	5	$F_1$	2	4	$F_2$	100
5760.198339	5760.194610	3.729	$0.2127 \times 10^{-2}$	$0.2196 \times 10^{-2}$	-3.122	6	$F_2$	2	5	$F_1$	128
5760.259592	5760.274595	-15.003		$0.7648 \times 10^{-5}$		12	$F_2$	2	12	$F_1$	246
5760.402440	5760.416177	-13.737		$0.1049 \times 10^{-4}$		12	$F_2$	1	12	$F_1$	246
5761.336950	5761.329493	7.457	$0.1395 \times 10^{-2}$	$0.1429 \times 10^{-2}$	-2.379	6	$F_1$	1	5	$F_2$	122
5761.379920	5761.385625	-5.705	$0.1095 \times 10^{-3}$	$0.9342 \times 10^{-4}$	17.211	5	$F_1$	2	4	$F_2$	101
5761.393450	5761.400206	-6.756		$0.1073 \times 10^{-3}$		5	$F_1$	1	4	$F_2$	101
5762.821380	5762.823157	-1.777		$0.2445 \times 10^{-4}$		7	$F_2$	2	6	$F_1$	149
5762.857600	5762.861176	-3.576	$0.7513 \times 10^{-4}$	$0.7768 \times 10^{-4}$	-3.281	7	$F_2$	1	6	$F_1$	149
5763.290769	5763.241765	49.004		$0.7013 \times 10^{-3}$		8	$F_2$	2	7	$F_1$	186
5763.307270	5763.330640	-23.370	$0.1115 \times 10^{-2}$	$0.1112 \times 10^{-2}$	0.263	6	$F_1$	1	5	$F_2$	123
5763.595612	5763.603246	-7.634	$0.4125 \times 10^{-2}$	$0.4447 \times 10^{-2}$	-7.244	6	$A_1$	1	5	$A_2$	44
5763.889200	5763.872618	16.582	$0.1577 \times 10^{-3}$	$0.1523 \times 10^{-3}$	3.544	8	$A_1$	1	7	$A_2$	65
5764.478622	5764.492802	-14.180	$0.3344 \times 10^{-2}$	$0.3507 \times 10^{-2}$	-4.640	5	$F_1$	1	4	$F_2$	102
5765.019350	5765.039263	-19.913	$0.1257 \times 10^{-3}$	$0.9863 \times 10^{-4}$	27.448	4	$F_2$	1	3	$F_1$	77
5765.904020	5765.915561	-11.541		$0.1072 \times 10^{-3}$		4	$E$	1	3	$E$	49
5766.037494	5766.025762	11.732	$0.2813 \times 10^{-2}$	$0.2951 \times 10^{-2}$	-4.662	5	$F_2$	1	4	$F_1$	98
5766.694380	5766.499243	195.137	$0.2359 \times 10^{-3}$	$0.1654 \times 10^{-3}$	42.650	8	$F_2$	2	7	$F_1$	188
5766.734430	5766.539638	194.792	$0.2310 \times 10^{-3}$	$0.2322 \times 10^{-3}$	-0.514	8	$F_2$	1	7	$F_1$	188
5766.976120	5766.991460	-15.340	$0.1171 \times 10^{-3}$	$0.1146 \times 10^{-3}$	2.188	4	$F_1$	1	3	$F_2$	73
5767.163640	5767.153428	10.212	$0.1098 \times 10^{-3}$	$0.1229 \times 10^{-3}$	-10.670	6	$F_2$	2	5	$F_1$	130
5767.182599	5767.175144	7.455		$0.2473 \times 10^{-4}$		6	$F_2$	1	5	$F_1$	130
5767.705328	5767.741268	-35.940		$0.4331 \times 10^{-3}$		9	$F_1$	1	8	$F_2$	220
5767.961040	5767.890399	70.641		$0.1373 \times 10^{-3}$		7	$E$	1	6	$E$	104
5768.287620	5768.234995	52.625		$0.7314 \times 10^{-4}$		7	$F_2$	2	6	$F_1$	151
5768.361264	5768.345157	16.107		$0.2307 \times 10^{-4}$		6	$F_1$	1	5	$F_2$	124
5768.841032	5768.781078	59.954	$0.1219 \times 10^{-3}$	$0.9732 \times 10^{-4}$	25.255	4	$F_1$	1	3	$F_2$	74
5768.913649	5768.895900	17.749		$0.8497 \times 10^{-4}$		6	$F_1$	1	5	$F_2$	125
5769.304803	5769.309974	-5.171		$0.6373 \times 10^{-4}$		5	$F_1$	1	4	$F_2$	103
5769.821350	5769.843191	-21.841	$0.1007 \times 10^{-3}$	$0.9023 \times 10^{-4}$	11.598	5	$F_2$	1	4	$F_1$	99
5769.974000	5769.973635	0.365		$0.1012 \times 10^{-3}$		7	$E$	1	6	$E$	105
5770.826447	5770.817225	9.222		$0.4455 \times 10^{-4}$		8	$F_2$	2	7	$F_1$	190
5770.868020	5770.857620	10.400		$0.6576 \times 10^{-3}$		8	$F_2$	1	7	$F_1$	190
5771.832000	5771.810166	21.834	$0.1223 \times 10^{-3}$	$0.1295 \times 10^{-3}$	-5.581	8	$F_2$	2	7	$F_1$	191

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5771.873260	5771.850560	22.700		$0.5560 \times 10^{-4}$		8	$F_2$	1	7	$F_1$	191
5771.951940	5771.956459	-4.519	$0.1174 \times 10^{-3}$	$0.1125 \times 10^{-3}$	4.319	8	$E$	2	7	$E$	125
5772.035573	5772.042101	-6.528		$0.2559 \times 10^{-4}$		8	$E$	1	7	$E$	125
5772.145775	5772.141466	4.309	$0.1389 \times 10^{-2}$	$0.1405 \times 10^{-2}$	-1.142	5	$E$	1	4	$E$	69
5772.970101	5772.944422	25.679		$0.2669 \times 10^{-5}$		4	$F_2$	1	3	$F_1$	79
5773.087971	5773.100718	-12.747	$0.1064 \times 10^{-3}$	$0.1382 \times 10^{-3}$	-23.035	7	$F_1$	2	6	$F_2$	160
5773.144869	5773.156409	-11.540		$0.5516 \times 10^{-4}$		7	$F_1$	1	6	$F_2$	160
5773.193028	5773.202162	-9.134		$0.2637 \times 10^{-3}$		7	$E$	1	6	$E$	106
5773.281650	5773.271442	10.208	$0.4154 \times 10^{-3}$	$0.4708 \times 10^{-3}$	-11.772	4	$F_1$	1	3	$F_2$	75
5773.582000	5773.566889	15.111		$0.1004 \times 10^{-4}$		6	$F_1$	1	5	$F_2$	127
5773.624113	5773.648225	-24.112	$0.1569 \times 10^{-2}$	$0.1641 \times 10^{-2}$	-4.411	4	$A_1$	1	3	$A_2$	28
5773.838216	5773.840983	-2.767	$0.2867 \times 10^{-2}$	$0.2853 \times 10^{-2}$	0.480	5	$F_1$	2	4	$F_2$	104
5774.164318	5774.119682	44.636	$0.7963 \times 10^{-3}$	$0.7402 \times 10^{-3}$	7.574	4	$E$	1	3	$E$	50
5774.408490	5774.386513	21.977		$0.6317 \times 10^{-3}$		7	$F_1$	2	6	$F_2$	162
5774.465000	5774.442204	22.796		$0.1006 \times 10^{-4}$		7	$F_1$	1	6	$F_2$	162
5774.677838	5774.647218	30.620	$0.1591 \times 10^{-2}$	$0.1568 \times 10^{-2}$	1.486	4	$F_2$	1	3	$F_1$	80
5775.175700	5775.184468	-8.768		$0.8386 \times 10^{-4}$		5	$F_2$	1	4	$F_1$	100
5775.924560	5775.959823	-35.263		$0.3522 \times 10^{-3}$		8	$E$	1	7	$E$	126
5776.079250	5776.110197	-30.947	$0.2561 \times 10^{-4}$	$0.2144 \times 10^{-4}$	19.438	7	$F_1$	2	6	$F_2$	163
5776.133820	5776.165887	-32.067	$0.7427 \times 10^{-4}$	$0.8759 \times 10^{-4}$	-15.210	7	$F_1$	1	6	$F_2$	163
5776.471260	5776.444332	26.928	$0.9135 \times 10^{-3}$	$0.7926 \times 10^{-3}$	15.249	7	$F_2$	2	6	$F_1$	156
5776.508255	5776.482351	25.904	$0.3459 \times 10^{-4}$	$0.3951 \times 10^{-4}$	-12.462	7	$F_2$	1	6	$F_1$	156
5776.701170	5776.692725	8.445		$0.1293 \times 10^{-4}$		9	$E$	1	9	$E$	130
5777.158694	5777.131704	26.990		$0.1759 \times 10^{-2}$		8	$A_1$	1	7	$A_2$	67
5777.381171	5777.390815	-9.644	$0.4389 \times 10^{-2}$	$0.5217 \times 10^{-2}$	-15.866	4	$A_1$	1	3	$A_2$	29
5778.158897	5778.144812	14.085	$0.3124 \times 10^{-2}$	$0.3242 \times 10^{-2}$	-3.642	4	$F_1$	1	3	$F_2$	77
5778.338725	5778.347140	-8.415	$0.1604 \times 10^{-3}$	$0.1640 \times 10^{-3}$	-2.213	6	$F_1$	1	5	$F_2$	128
5778.380764	5778.384522	-3.758	$0.7899 \times 10^{-3}$	$0.8406 \times 10^{-3}$	-6.029	4	$E$	1	3	$E$	51
5778.698510	5778.709312	-10.802		$0.2418 \times 10^{-4}$		10	$F_1$	2	10	$F_2$	223
5778.774040	5778.784792	-10.752	$0.1388 \times 10^{-3}$	$0.1149 \times 10^{-3}$	20.807	10	$F_1$	1	10	$F_2$	223
5778.884145	5778.875072	9.073	$0.2786 \times 10^{-2}$	$0.2763 \times 10^{-2}$	0.845	7	$A_2$	1	6	$A_1$	56
5779.037280	5779.019475	17.805		$0.7084 \times 10^{-5}$		5	$F_2$	1	4	$F_1$	101
5779.436317	5779.441155	-4.838		$0.4042 \times 10^{-3}$		7	$E$	1	6	$E$	109
5779.608798	5779.574779	34.019	$0.5820 \times 10^{-3}$	$0.5213 \times 10^{-3}$	11.654	7	$F_2$	2	6	$F_1$	158
5779.644472	5779.612798	31.674		$0.1184 \times 10^{-4}$		7	$F_2$	1	6	$F_1$	158
5779.911352	5779.902768	8.584		$0.1830 \times 10^{-3}$		5	$F_1$	2	4	$F_2$	105
5779.927000	5779.917348	9.652		$0.1213 \times 10^{-4}$		5	$F_1$	1	4	$F_2$	105
5780.492200	5780.479564	12.636		$0.1487 \times 10^{-3}$		5	$E$	1	4	$E$	71
5780.780250	5780.803285	-23.035	$0.9920 \times 10^{-4}$	$0.1039 \times 10^{-3}$	-4.525	3	$F_2$	1	2	$F_1$	50
5780.854850	5780.870782	-15.932		$0.4291 \times 10^{-4}$		4	$F_2$	1	3	$F_1$	81
5781.084020	5781.070355	13.665	$0.3990 \times 10^{-3}$	$0.3792 \times 10^{-3}$	5.211	5	$F_2$	1	4	$F_1$	102
5781.609811	5781.600493	9.318	$0.1032 \times 10^{-2}$	$0.9744 \times 10^{-3}$	5.910	4	$E$	1	3	$E$	52
5781.847970	5781.844223	3.747	$0.9282 \times 10^{-4}$	$0.9623 \times 10^{-4}$	-3.548	3	$F_1$	1	2	$F_2$	56
5782.332390	5782.340166	-7.776	$0.3572 \times 10^{-4}$	$0.4009 \times 10^{-4}$	-10.890	6	$F_2$	2	5	$F_1$	136
5782.402470	5782.404498	-2.028	$0.1505 \times 10^{-3}$	$0.1264 \times 10^{-3}$	19.034	7	$F_1$	2	6	$F_2$	166
5782.457510	5782.460188	-2.678		$0.2331 \times 10^{-4}$		7	$F_1$	1	6	$F_2$	166
5782.485360	5782.510399	-25.039		$0.7436 \times 10^{-4}$		8	$F_1$	2	8	$F_2$	180
5782.556020	5782.581457	-25.437		$0.5826 \times 10^{-3}$		8	$F_1$	1	8	$F_2$	180
5782.772608	5782.777517	-4.909	$0.1899 \times 10^{-3}$	$0.1502 \times 10^{-3}$	26.422	6	$F_1$	1	5	$F_2$	129
5782.815139	5782.813867	1.272	$0.1471 \times 10^{-2}$	$0.1651 \times 10^{-2}$	-10.895	8	$A_1$	1	8	$A_2$	58

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5783.019560	5783.006060	13.500	$0.1658 \times 10^{-2}$	$0.1424 \times 10^{-2}$	16.442	6	$A_1$	1	5	$A_2$	46
5783.100348	5783.080603	19.745		$0.4884 \times 10^{-4}$		5	$F_1$	1	4	$F_2$	106
5784.188080	5784.180386	7.694	$0.2432 \times 10^{-2}$	$0.1833 \times 10^{-2}$	32.649	6	$A_1$	1	5	$A_2$	47
5784.301249	5784.335263	-34.014	$0.1241 \times 10^{-2}$	$0.1296 \times 10^{-2}$	-4.245	6	$F_1$	1	5	$F_2$	130
5784.612470	5784.584755	27.715		$0.1142 \times 10^{-5}$		5	$E$	1	4	$E$	72
5784.708963	5784.693202	15.761		$0.7046 \times 10^{-5}$		5	$F_1$	2	4	$F_2$	107
5784.723000	5784.707783	15.217		$0.5269 \times 10^{-5}$		5	$F_1$	1	4	$F_2$	107
5785.240924	5785.237245	3.679	$0.2725 \times 10^{-2}$	$0.2723 \times 10^{-2}$	0.070	4	$F_2$	1	3	$F_1$	82
5785.322846	5785.318173	4.673		$0.4622 \times 10^{-4}$		7	$F_2$	2	6	$F_1$	161
5785.359990	5785.356192	3.798		$0.6949 \times 10^{-3}$		7	$F_2$	1	6	$F_1$	161
5786.435417	5786.453183	-17.766	$0.1683 \times 10^{-2}$	$0.1645 \times 10^{-2}$	2.329	6	$F_2$	2	5	$F_1$	138
5786.457949	5786.474900	-16.951	$0.1480 \times 10^{-3}$	$0.1055 \times 10^{-3}$	40.332	6	$F_2$	1	5	$F_1$	138
5786.969083	5786.980665	-11.582	$0.1812 \times 10^{-2}$	$0.1841 \times 10^{-2}$	-1.565	3	$F_1$	1	2	$F_2$	57
5787.237000	5787.251540	-14.540		$0.1901 \times 10^{-4}$		4	$F_2$	1	3	$F_1$	83
5787.258810	5787.261359	-2.549		$0.4508 \times 10^{-4}$		7	$F_2$	1	6	$F_1$	162
5787.332890	5787.320241	12.649	$0.6953 \times 10^{-4}$	$0.6785 \times 10^{-4}$	2.472	7	$F_1$	1	6	$F_2$	168
5787.397400	5787.406648	-9.248		$0.1383 \times 10^{-3}$		6	$F_1$	1	5	$F_2$	132
5787.878660	5787.849796	28.864	$0.5473 \times 10^{-4}$	$0.3762 \times 10^{-4}$	45.475	3	$F_1$	1	2	$F_2$	58
5788.049000	5787.983563	65.437		$0.2277 \times 10^{-4}$		7	$F_1$	2	7	$F_2$	158
5788.103653	5788.039254	64.399	$0.1145 \times 10^{-2}$	$0.1163 \times 10^{-2}$	-1.546	7	$F_1$	1	7	$F_2$	158
5788.055000	5788.058312	-3.312		$0.4956 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	108
5788.067520	5788.072892	-5.372	$0.1818 \times 10^{-3}$	$0.2010 \times 10^{-3}$	-9.564	5	$F_1$	1	4	$F_2$	108
5788.220882	5788.199612	21.270	$0.2845 \times 10^{-3}$	$0.2865 \times 10^{-3}$	-0.689	5	$F_2$	1	4	$F_1$	104
5788.287489	5788.252064	35.425	$0.2063 \times 10^{-2}$	$0.2044 \times 10^{-2}$	0.953	3	$F_2$	1	2	$F_1$	51
5789.026487	5789.027696	-1.209		$0.1629 \times 10^{-3}$		7	$F_2$	2	7	$F_1$	163
5789.064475	5789.065715	-1.240	$0.1624 \times 10^{-2}$	$0.1445 \times 10^{-2}$	12.351	7	$F_2$	1	7	$F_1$	163
5789.205031	5789.145336	59.695	$0.3875 \times 10^{-2}$	$0.4250 \times 10^{-2}$	-8.832	3	$A_2$	1	2	$A_1$	21
5789.423030	5789.437907	-14.877	$0.1527 \times 10^{-3}$	$0.1408 \times 10^{-3}$	8.432	6	$E$	1	5	$E$	90
5789.525500	5789.518676	6.824	$0.2194 \times 10^{-3}$	$0.1880 \times 10^{-3}$	16.710	6	$F_2$	1	5	$F_1$	139
5789.577640	5789.655881	-78.241		$0.4813 \times 10^{-3}$		7	$A_2$	1	7	$A_1$	51
5789.775610	5789.755954	19.656		$0.2149 \times 10^{-3}$		7	$F_2$	2	7	$F_1$	164
5789.813200	5789.793973	19.227		$0.8718 \times 10^{-4}$		7	$F_2$	1	7	$F_1$	164
5790.272000	5790.264260	7.740		$0.3893 \times 10^{-2}$		6	$A_1$	1	6	$A_2$	45
5790.410403	5790.400050	10.353	$0.1957 \times 10^{-3}$	$0.2042 \times 10^{-3}$	-4.142	4	$F_2$	1	3	$F_1$	84
5790.387670	5790.404059	-16.389	$0.2291 \times 10^{-2}$	$0.2036 \times 10^{-2}$	12.545	6	$F_1$	1	6	$F_2$	140
5790.448142	5790.444367	3.775	$0.1976 \times 10^{-2}$	$0.1817 \times 10^{-2}$	8.729	6	$F_2$	2	6	$F_1$	134
5791.455000	5791.493733	-38.733		$0.1315 \times 10^{-4}$		6	$F_2$	2	5	$F_1$	140
5791.477750	5791.515450	-37.700	$0.1426 \times 10^{-2}$	$0.1268 \times 10^{-2}$	12.470	6	$F_2$	1	5	$F_1$	140
5791.781300	5791.780396	0.904	$0.3961 \times 10^{-3}$	$0.4278 \times 10^{-3}$	-7.418	3	$F_2$	1	2	$F_1$	52
5792.164330	5792.173038	-8.708	$0.4171 \times 10^{-3}$	$0.4247 \times 10^{-3}$	-1.790	4	$E$	1	3	$E$	53
5792.250490	5792.232205	18.285		$0.2429 \times 10^{-3}$		9	$A_1$	1	9	$A_2$	70
5792.386046	5792.409787	-23.741		$0.1616 \times 10^{-3}$		6	$F_1$	1	6	$F_2$	141
5792.417487	5792.416644	0.843	$0.1107 \times 10^{-2}$	$0.9662 \times 10^{-3}$	14.568	6	$E$	1	5	$E$	91
5792.575384	5792.575264	0.120	$0.4648 \times 10^{-4}$	$0.6318 \times 10^{-4}$	-26.438	7	$E$	1	6	$E$	114
5792.577000	5792.575264	1.736		$0.6318 \times 10^{-4}$		7	$E$	1	6	$E$	114
5792.799615	5792.749334	50.281	$0.6691 \times 10^{-3}$	$0.6874 \times 10^{-3}$	-2.662	6	$E$	1	6	$E$	93
5792.747740	5792.753802	-6.062		$0.9293 \times 10^{-4}$		6	$A_1$	1	5	$A_2$	49
5792.902165	5792.898762	3.403	$0.1989 \times 10^{-2}$	$0.1925 \times 10^{-2}$	3.306	3	$F_1$	1	2	$F_2$	59
5793.107143	5793.104650	2.493	$0.3679 \times 10^{-3}$	$0.3140 \times 10^{-3}$	17.173	6	$F_2$	2	6	$F_1$	135
5793.129032	5793.126367	2.665	$0.1248 \times 10^{-2}$	$0.1256 \times 10^{-2}$	-0.622	6	$F_2$	1	6	$F_1$	135

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5793.156761	5793.195968	-39.207	$0.1661 \times 10^{-2}$	$0.1511 \times 10^{-2}$	9.961	5	$F_1$	2	4	$F_2$	109
5793.250265	5793.237212	13.053	$0.4819 \times 10^{-3}$	$0.4231 \times 10^{-3}$	13.900	4	$F_1$	1	3	$F_2$	80
5793.348903	5793.335993	12.910	$0.8164 \times 10^{-4}$	$0.7672 \times 10^{-4}$	6.412	7	$F_2$	2	6	$F_1$	167
5793.390058	5793.458804	-68.746		$0.1043 \times 10^{-2}$		5	$E$	1	4	$E$	73
5793.644300	5793.677677	-33.377	$0.3890 \times 10^{-2}$	$0.4054 \times 10^{-2}$	-4.037	6	$A_2$	1	6	$A_1$	49
5793.772000	5793.764485	7.515		$0.3044 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	110
5793.788450	5793.779065	9.385	$0.4183 \times 10^{-3}$	$0.4090 \times 10^{-3}$	2.274	5	$F_1$	1	4	$F_2$	110
5794.197030	5794.221737	-24.707	$0.5089 \times 10^{-3}$	$0.3939 \times 10^{-3}$	29.185	5	$F_2$	1	4	$F_1$	105
5794.258055	5794.258290	-0.235	$0.1791 \times 10^{-2}$	$0.1227 \times 10^{-2}$	45.988	3	$F_2$	1	2	$F_1$	53
5794.673244	5794.663474	9.770	$0.3308 \times 10^{-3}$	$0.2801 \times 10^{-3}$	18.080	6	$F_2$	2	6	$F_1$	136
5794.694762	5794.685191	9.571	$0.9585 \times 10^{-3}$	$0.9212 \times 10^{-3}$	4.046	6	$F_2$	1	6	$F_1$	136
5794.877375	5794.838009	39.366	$0.9167 \times 10^{-3}$	$0.9566 \times 10^{-3}$	-4.176	6	$E$	1	6	$E$	94
5794.937454	5794.900716	36.738	$0.1914 \times 10^{-3}$	$0.1732 \times 10^{-3}$	10.525	6	$F_1$	1	6	$F_2$	142
5795.011270	5795.028093	-16.823		$0.2065 \times 10^{-4}$		7	$F_1$	2	7	$F_2$	161
5795.066450	5795.083784	-17.334		$0.3020 \times 10^{-4}$		7	$F_1$	1	7	$F_2$	161
5795.201850	5795.158456	43.394	$0.2125 \times 10^{-3}$	$0.2056 \times 10^{-3}$	3.340	4	$A_1$	1	3	$A_2$	30
5795.368820	5795.333659	35.161	$0.4690 \times 10^{-4}$	$0.5262 \times 10^{-4}$	-10.871	5	$F_2$	1	4	$F_1$	106
5795.553813	5795.518129	35.684	$0.2853 \times 10^{-2}$	$0.2824 \times 10^{-2}$	1.022	5	$F_1$	2	5	$F_2$	114
5795.565497	5795.541609	23.888	$0.1679 \times 10^{-2}$	$0.1710 \times 10^{-2}$	-1.822	5	$E$	1	5	$E$	77
5795.758585	5795.791310	-32.725	$0.1135 \times 10^{-3}$	$0.1033 \times 10^{-3}$	9.870	6	$F_2$	2	6	$F_1$	137
5795.780384	5795.813026	-32.642	$0.2782 \times 10^{-3}$	$0.2534 \times 10^{-3}$	9.795	6	$F_2$	1	6	$F_1$	137
5795.950786	5795.951729	-0.943	$0.9661 \times 10^{-3}$	$0.9892 \times 10^{-3}$	-2.335	7	$A_2$	1	7	$A_1$	52
5796.036000	5796.040789	-4.789		$0.3674 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	111
5796.051463	5796.055369	-3.906	$0.2845 \times 10^{-3}$	$0.2696 \times 10^{-3}$	5.523	5	$F_1$	1	4	$F_2$	111
5796.168750	5796.207274	-38.524		$0.7441 \times 10^{-5}$		6	$F_1$	1	5	$F_2$	136
5796.296160	5796.243617	52.543		$0.3985 \times 10^{-4}$		6	$E$	1	5	$E$	93
5796.468120	5796.479092	-10.972		$0.8465 \times 10^{-4}$		8	$F_1$	2	8	$F_2$	188
5796.538560	5796.550150	-11.590	$0.1533 \times 10^{-3}$	$0.1322 \times 10^{-3}$	15.928	8	$F_1$	1	8	$F_2$	188
5796.566300	5796.552091	14.209	$0.2337 \times 10^{-3}$	$0.2215 \times 10^{-3}$	5.492	7	$F_2$	2	7	$F_1$	166
5796.604040	5796.590109	13.931	$0.3227 \times 10^{-3}$	$0.3243 \times 10^{-3}$	-0.502	7	$F_2$	1	7	$F_1$	166
5797.171466	5797.166427	5.039	$0.2833 \times 10^{-2}$	$0.3139 \times 10^{-2}$	-9.747	3	$A_2$	1	2	$A_1$	22
5797.212320	5797.225116	-12.796		$0.8441 \times 10^{-5}$		6	$E$	1	5	$E$	94
5797.403800	5797.409831	-6.031	$0.3956 \times 10^{-3}$	$0.2845 \times 10^{-3}$	39.057	5	$F_1$	2	4	$F_2$	112
5797.423000	5797.438008	-15.008		$0.3052 \times 10^{-3}$		5	$F_1$	2	5	$F_2$	115
5797.439263	5797.452588	-13.325	$0.7129 \times 10^{-3}$	$0.7121 \times 10^{-3}$	0.112	5	$F_1$	1	5	$F_2$	115
5797.906756	5797.897788	8.968	$0.2303 \times 10^{-2}$	$0.2297 \times 10^{-2}$	0.278	5	$F_2$	1	5	$F_1$	120
5797.973979	5797.966866	7.113	$0.1724 \times 10^{-3}$	$0.1443 \times 10^{-3}$	19.435	4	$F_1$	1	3	$F_2$	81
5798.224980	5798.208653	16.327	$0.1057 \times 10^{-3}$	$0.1088 \times 10^{-3}$	-2.875	4	$E$	1	3	$E$	54
5798.626784	5798.634012	-7.228	$0.1020 \times 10^{-2}$	$0.1022 \times 10^{-2}$	-0.150	2	$E$	1	1	$E$	21
5798.680423	5798.662125	18.298	$0.1234 \times 10^{-2}$	$0.1147 \times 10^{-2}$	7.580	5	$F_2$	1	4	$F_1$	107
5799.081820	5799.072476	9.344	$0.4939 \times 10^{-4}$	$0.6316 \times 10^{-4}$	-21.803	3	$F_1$	1	2	$F_2$	60
5799.152207	5799.158388	-6.181	$0.1351 \times 10^{-2}$	$0.1256 \times 10^{-2}$	7.568	5	$F_1$	1	4	$F_2$	113
5799.313460	5799.340797	-27.337	$0.6050 \times 10^{-3}$	$0.4863 \times 10^{-3}$	24.397	5	$E$	1	5	$E$	78
5799.466580	5799.471956	-5.376	$0.6843 \times 10^{-3}$	$0.7005 \times 10^{-3}$	-2.309	5	$F_2$	1	5	$F_1$	121
5799.923503	5799.921096	2.407	$0.2498 \times 10^{-2}$	$0.2484 \times 10^{-2}$	0.546	5	$F_1$	1	5	$F_2$	116
5800.215630	5800.182946	32.684		$0.5306 \times 10^{-4}$		7	$F_2$	2	7	$F_1$	167
5800.732360	5800.744703	-12.343		$0.6323 \times 10^{-4}$		7	$F_2$	2	7	$F_1$	168
5800.771430	5800.782722	-11.292		$0.5659 \times 10^{-3}$		7	$F_2$	1	7	$F_1$	168
5800.835404	5800.830991	4.413	$0.2926 \times 10^{-2}$	$0.3113 \times 10^{-2}$	-6.017	4	$F_2$	1	4	$F_1$	93
5801.211885	5801.201159	10.726	$0.2542 \times 10^{-2}$	$0.2232 \times 10^{-2}$	13.887	2	$F_2$	1	1	$F_1$	36



Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5801.599730	5801.601573	-1.843	$0.1024 \times 10^{-3}$	$0.9791 \times 10^{-4}$	4.583	5	$F_2$	1	5	$F_1$	122
5801.689929	5801.706334	-16.405	$0.7447 \times 10^{-3}$	$0.7720 \times 10^{-3}$	-3.536	3	$F_2$	1	2	$F_1$	54
5801.838207	5801.821304	16.903	$0.2398 \times 10^{-2}$	$0.2422 \times 10^{-2}$	-0.985	4	$A_1$	1	3	$A_2$	31
5801.907963	5801.899132	8.831		$0.4167 \times 10^{-5}$		5	$F_1$	2	4	$F_2$	114
5801.941880	5801.936637	5.243		$0.9025 \times 10^{-4}$		6	$F_1$	1	6	$F_2$	144
5802.082778	5802.106460	-23.682	$0.9120 \times 10^{-3}$	$0.9458 \times 10^{-3}$	-3.578	4	$F_1$	1	4	$F_2$	97
5802.140710	5802.174283	-33.573	$0.8631 \times 10^{-4}$	$0.8497 \times 10^{-4}$	1.580	5	$F_1$	2	5	$F_2$	117
5802.153590	5802.188863	-35.273	$0.3400 \times 10^{-4}$	$0.3709 \times 10^{-4}$	-8.331	5	$F_1$	1	5	$F_2$	117
5802.501857	5802.530842	-28.985	$0.1352 \times 10^{-2}$	$0.1348 \times 10^{-2}$	0.271	4	$F_2$	1	3	$F_1$	86
5802.616932	5802.616710	0.222	$0.2133 \times 10^{-2}$	$0.2128 \times 10^{-2}$	0.228	4	$E$	1	4	$E$	65
5802.714400	5802.706760	7.640		$0.1152 \times 10^{-3}$		5	$F_2$	1	4	$F_1$	109
5802.750843	5802.774004	-23.161	$0.1376 \times 10^{-2}$	$0.1079 \times 10^{-2}$	27.486	4	$F_1$	1	3	$F_2$	82
5803.185170	5803.214798	-29.628	$0.5933 \times 10^{-3}$	$0.5996 \times 10^{-3}$	-1.053	4	$E$	1	3	$E$	55
5803.354446	5803.335816	18.630	$0.8034 \times 10^{-3}$	$0.7456 \times 10^{-3}$	7.749	2	$F_2$	1	1	$F_1$	37
5803.793720	5803.795619	-1.899	$0.4205 \times 10^{-3}$	$0.3913 \times 10^{-3}$	7.450	4	$F_2$	1	4	$F_1$	94
5803.960000	5803.991694	-31.694		$0.1691 \times 10^{-3}$		6	$F_1$	1	6	$F_2$	145
5803.979500	5803.995910	-16.410		$0.6289 \times 10^{-3}$		6	$F_2$	1	6	$F_1$	139
5804.054410	5804.091291	-36.881	$0.3591 \times 10^{-3}$	$0.3506 \times 10^{-3}$	2.431	6	$E$	1	6	$E$	97
5804.308905	5804.322489	-13.584	$0.2525 \times 10^{-2}$	$0.2632 \times 10^{-2}$	-4.074	4	$F_1$	1	4	$F_2$	98
5804.384916	5804.360892	24.024	$0.1385 \times 10^{-2}$	$0.1511 \times 10^{-2}$	-8.353	6	$A_2$	1	6	$A_1$	50
5804.609120	5804.585413	23.707	$0.6830 \times 10^{-3}$	$0.6653 \times 10^{-3}$	2.656	3	$F_1$	1	2	$F_2$	61
5804.968469	5804.984358	-15.889	$0.6764 \times 10^{-2}$	$0.6568 \times 10^{-2}$	2.983	4	$A_1$	1	4	$A_2$	30
5805.716280	5805.742256	-25.976		$0.3482 \times 10^{-4}$		6	$A_1$	1	5	$A_2$	51
5805.785000	5805.758458	26.542		$0.6687 \times 10^{-4}$		6	$F_1$	1	6	$F_2$	146
5805.925080	5805.878511	46.569		$0.6834 \times 10^{-4}$		4	$F_2$	1	4	$F_1$	95
5805.983400	5805.983621	-0.221	$0.3878 \times 10^{-4}$	$0.3594 \times 10^{-4}$	7.902	6	$F_2$	2	6	$F_1$	141
5806.122597	5806.139501	-16.904	$0.5950 \times 10^{-2}$	$0.5784 \times 10^{-2}$	2.872	3	$A_2$	1	3	$A_1$	22
5806.184000	5806.185039	-1.039	$0.2446 \times 10^{-4}$	$0.2287 \times 10^{-4}$	6.937	4	$F_1$	1	3	$F_2$	83
5806.476276	5806.458773	17.503	$0.1259 \times 10^{-2}$	$0.1330 \times 10^{-2}$	-5.373	2	$E$	1	1	$E$	22
5806.923632	5806.942422	-18.790	$0.2486 \times 10^{-2}$	$0.2515 \times 10^{-2}$	-1.168	3	$F_2$	1	3	$F_1$	77
5807.072630	5807.100648	-28.018	$0.3594 \times 10^{-4}$	$0.2112 \times 10^{-4}$	70.206	5	$F_1$	2	4	$F_2$	118
5808.028000	5808.003188	24.812		$0.4156 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	119
5808.043000	5808.067968	-24.968	$0.2202 \times 10^{-3}$	$0.2408 \times 10^{-3}$	-8.558	5	$F_1$	2	5	$F_2$	119
5808.060000	5808.082549	-22.549	$0.4281 \times 10^{-3}$	$0.3928 \times 10^{-3}$	8.975	5	$F_1$	1	5	$F_2$	119
5808.602410	5808.568136	34.274		$0.1033 \times 10^{-4}$		4	$F_1$	1	3	$F_2$	84
5808.575370	5808.640373	-65.003		$0.1128 \times 10^{-4}$		4	$F_2$	1	3	$F_1$	88
5808.874896	5808.890374	-15.478	$0.3205 \times 10^{-2}$	$0.3430 \times 10^{-2}$	-6.551	3	$F_1$	1	3	$F_2$	73
5809.155033	5809.157404	-2.371	$0.9698 \times 10^{-3}$	$0.9350 \times 10^{-3}$	3.725	3	$F_2$	1	3	$F_1$	78
5809.645410	5809.705346	-59.936		$0.6152 \times 10^{-3}$		4	$A_1$	1	3	$A_2$	32
5809.851070	5809.824243	26.827	$0.4291 \times 10^{-3}$	$0.4296 \times 10^{-3}$	-0.110	3	$F_1$	1	2	$F_2$	62
5810.459960	5810.452483	7.477		$0.2722 \times 10^{-3}$		2	$F_2$	1	1	$F_1$	38
5810.635480	5810.648190	-12.710		$0.1111 \times 10^{-4}$		5	$F_2$	1	5	$F_1$	126
5810.742040	5810.679993	62.047	$0.2303 \times 10^{-3}$	$0.2510 \times 10^{-3}$	-8.233	3	$F_1$	1	3	$F_2$	74
5810.846660	5810.819596	27.064	$0.2987 \times 10^{-3}$	$0.2928 \times 10^{-3}$	2.005	4	$F_2$	1	4	$F_1$	96
5810.933340	5810.917116	16.224	$0.8183 \times 10^{-3}$	$0.8066 \times 10^{-3}$	1.454	4	$F_1$	1	4	$F_2$	99
5811.469251	5811.436956	32.295	$0.1373 \times 10^{-2}$	$0.1360 \times 10^{-2}$	0.981	4	$A_1$	1	4	$A_2$	31
5811.704285	5811.673789	30.496	$0.1353 \times 10^{-2}$	$0.1363 \times 10^{-2}$	-0.760	3	$A_2$	1	2	$A_1$	23
5811.817000	5811.820552	-3.552		$0.5554 \times 10^{-3}$		3	$F_2$	1	2	$F_1$	56
5811.826000	5811.834083	-8.083	$0.6116 \times 10^{-3}$	$0.7514 \times 10^{-3}$	-18.606	4	$E$	1	4	$E$	67
5812.215543	5812.237731	-22.188	$0.2772 \times 10^{-2}$	$0.2891 \times 10^{-2}$	-4.115	2	$F_2$	1	2	$F_1$	50

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5812.516080	5812.512609	3.471	$0.1884 \times 10^{-3}$	$0.1948 \times 10^{-3}$	-3.281	4	$F_1$	1	4	$F_2$	100
5812.643829	5812.622957	20.872	$0.1378 \times 10^{-2}$	$0.1296 \times 10^{-2}$	6.293	1	$F_1$	1	0	$F_2$	13
5813.245950	5813.256247	-10.297	$0.5150 \times 10^{-4}$	$0.4555 \times 10^{-4}$	13.074	10	$F_2$	2	10	$F_1$	233
5813.516560	5813.454026	62.534		$0.4887 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	122
5813.527000	5813.468606	58.394		$0.1525 \times 10^{-4}$		5	$F_1$	1	4	$F_2$	122
5813.743000	5813.749827	-6.827		$0.3672 \times 10^{-5}$		4	$F_1$	1	4	$F_2$	101
5813.802819	5813.820517	-17.698	$0.2202 \times 10^{-2}$	$0.2271 \times 10^{-2}$	-3.022	2	$E$	1	2	$E$	37
5814.213780	5814.229670	-15.890		$0.2312 \times 10^{-3}$		2	$F_2$	1	1	$F_1$	39
5814.230000	5814.235822	-5.822		$0.1785 \times 10^{-4}$		3	$F_1$	1	2	$F_2$	63
5814.340000	5814.400465	-60.465		$0.1004 \times 10^{-4}$		4	$E$	1	3	$E$	59
5814.560000	5814.559972	0.028		$0.1290 \times 10^{-5}$		3	$F_2$	1	2	$F_1$	57
5814.717310	5814.715217	2.093	$0.4883 \times 10^{-4}$	$0.5537 \times 10^{-4}$	-11.804	4	$E$	1	4	$E$	68
5814.814070	5814.812561	1.509		$0.8820 \times 10^{-4}$		9	$A_1$	1	9	$A_2$	73
5814.874000	5814.847581	26.419	$0.4800 \times 10^{-3}$	$0.4277 \times 10^{-3}$	12.227	3	$F_2$	1	3	$F_1$	79
5814.937570	5814.932352	5.218	$0.6456 \times 10^{-4}$	$0.6838 \times 10^{-4}$	-5.588	9	$F_1$	2	9	$F_2$	211
5815.034740	5815.026342	8.398	$0.5429 \times 10^{-4}$	$0.5809 \times 10^{-4}$	-6.543	9	$E$	1	9	$E$	142
5815.180168	5815.170356	9.812	$0.1122 \times 10^{-2}$	$0.1088 \times 10^{-2}$	3.105	3	$F_1$	1	3	$F_2$	75
5816.168410	5816.192265	-23.855	$0.5130 \times 10^{-5}$	$0.5511 \times 10^{-5}$	-6.911	3	$F_2$	1	2	$F_1$	58
5816.581050	5816.550376	30.674	$0.3767 \times 10^{-3}$	$0.3778 \times 10^{-3}$	-0.286	3	$F_2$	1	3	$F_1$	80
5816.635500	5816.642719	-7.219	$0.1013 \times 10^{-3}$	$0.9061 \times 10^{-4}$	11.799	8	$F_1$	2	8	$F_2$	193
5816.799390	5816.799539	-0.149	$0.1531 \times 10^{-3}$	$0.1409 \times 10^{-3}$	8.676	8	$F_2$	1	8	$F_1$	189
5816.826073	5816.842423	-16.350		$0.1947 \times 10^{-5}$		4	$F_1$	1	4	$F_2$	102
5817.755725	5817.762967	-7.242	$0.2300 \times 10^{-2}$	$0.2307 \times 10^{-2}$	-0.298	1	$F_1$	1	1	$F_2$	30
5818.385800	5818.373665	12.135		$0.1513 \times 10^{-4}$		4	$F_2$	1	4	$F_1$	98
5818.561670	5818.555051	6.619	$0.5079 \times 10^{-3}$	$0.4821 \times 10^{-3}$	5.353	7	$A_2$	1	7	$A_1$	53
5819.030370	5819.032203	-1.833	$0.1547 \times 10^{-4}$	$0.1091 \times 10^{-4}$	41.813	7	$F_2$	2	7	$F_1$	172
5819.203230	5819.188594	14.636	$0.6652 \times 10^{-3}$	$0.6566 \times 10^{-3}$	1.306	2	$E$	1	2	$E$	38
5819.499230	5819.510369	-11.139	$0.1696 \times 10^{-3}$	$0.1585 \times 10^{-3}$	7.022	6	$F_1$	1	6	$F_2$	149
5819.721846	5819.686510	35.336	$0.9609 \times 10^{-3}$	$0.9351 \times 10^{-3}$	2.757	2	$F_2$	1	2	$F_1$	51
5819.840660	5819.840617	0.043	$0.3369 \times 10^{-3}$	$0.3222 \times 10^{-3}$	4.567	6	$F_2$	2	6	$F_1$	143
5819.859717	5819.862333	-2.616		$0.4163 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	143
5820.057250	5820.043726	13.524		$0.1705 \times 10^{-4}$		3	$F_1$	1	3	$F_2$	77
5820.782310	5820.787412	-5.102	$0.3139 \times 10^{-3}$	$0.2918 \times 10^{-3}$	7.576	5	$F_1$	2	5	$F_2$	121
5820.793000	5820.801993	-8.993		$0.6499 \times 10^{-4}$		5	$F_1$	1	5	$F_2$	121
5821.142810	5821.155757	-12.947	$0.3953 \times 10^{-3}$	$0.3787 \times 10^{-3}$	4.386	5	$E$	1	5	$E$	82
5821.305320	5821.493327	-188.007	$0.1012 \times 10^{-3}$	$0.8419 \times 10^{-4}$	20.204	3	$F_1$	1	2	$F_2$	65
5821.652840	5821.659595	-6.755	$0.1468 \times 10^{-3}$	$0.1464 \times 10^{-3}$	0.288	4	$F_1$	1	4	$F_2$	103
5821.835890	5821.771457	64.433		$0.1137 \times 10^{-3}$		2	$F_2$	1	1	$F_1$	40
5821.965000	5821.966718	-1.718		$0.2340 \times 10^{-6}$		3	$F_1$	1	2	$F_2$	66
5822.171955	5822.191094	-19.139	$0.8450 \times 10^{-3}$	$0.8244 \times 10^{-3}$	2.494	4	$F_2$	1	4	$F_1$	99
5822.759270	5822.773941	-14.671	$0.5705 \times 10^{-3}$	$0.5890 \times 10^{-3}$	-3.141	3	$F_2$	1	3	$F_1$	81
5822.795898	5822.774809	21.089	$0.1219 \times 10^{-2}$	$0.1135 \times 10^{-2}$	7.432	1	$F_1$	1	1	$F_2$	31
5822.959630	5822.978919	-19.289		$0.1089 \times 10^{-4}$		4	$F_2$	1	3	$F_1$	97
5823.906750	5823.826270	80.480		$0.1892 \times 10^{-3}$		4	$F_1$	1	3	$F_2$	92
5824.090083	5824.127098	-37.015	$0.2870 \times 10^{-2}$	$0.3010 \times 10^{-2}$	-4.642	3	$A_2$	1	3	$A_1$	23
5824.432770	5824.507323	-74.553		$0.5640 \times 10^{-3}$		4	$A_1$	1	3	$A_2$	34
5824.649780	5824.678061	-28.281	$0.1220 \times 10^{-4}$	$0.6267 \times 10^{-5}$	94.677	10	$E$	2	10	$E$	163
5825.205480	5825.155269	50.211	$0.1975 \times 10^{-4}$	$0.2852 \times 10^{-4}$	-30.755	10	$F_1$	1	10	$F_2$	244
5825.570100	5825.553059	17.041	$0.1178 \times 10^{-3}$	$0.1185 \times 10^{-3}$	-0.551	10	$A_1$	1	10	$A_2$	79
5825.691797	5825.692736	-0.939	$0.9132 \times 10^{-3}$	$0.9158 \times 10^{-3}$	-0.289	2	$F_2$	1	2	$F_1$	53

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5825.905994	5825.920347	-14.353		$0.1866 \times 10^{-4}$		9	$F_1$	3	9	$F_2$	216
5826.203000	5826.205185	-2.185	$0.7339 \times 10^{-5}$	$0.6382 \times 10^{-5}$	14.988	4	$F_1$	1	4	$F_2$	104
5826.412590	5826.461587	-48.997	$0.2556 \times 10^{-3}$	$0.1285 \times 10^{-3}$	98.917	4	$F_1$	1	3	$F_2$	93
5826.499370	5826.517646	-18.276		$0.4440 \times 10^{-4}$		8	$E$	1	8	$E$	131
5826.694790	5826.708287	-13.497	$0.1880 \times 10^{-4}$	$0.1837 \times 10^{-4}$	2.342	8	$F_2$	1	8	$F_1$	192
5826.893370	5826.841244	52.126		$0.1899 \times 10^{-3}$		4	$F_2$	1	3	$F_1$	98
5826.972480	5826.982407	-9.927		$0.1423 \times 10^{-4}$		11	$F_1$	2	11	$F_2$	264
5827.142940	5827.140403	2.537		$0.2151 \times 10^{-4}$		3	$F_2$	1	3	$F_1$	82
5827.523590	5827.532370	-8.780		$0.4363 \times 10^{-4}$		4	$F_2$	1	4	$F_1$	100
5827.570000	5827.583081	-13.081		$0.1360 \times 10^{-4}$		8	$F_2$	1	8	$F_1$	193
5827.638020	5827.625946	12.074		$0.3993 \times 10^{-4}$		10	$F_1$	1	10	$F_2$	246
5827.671980	5827.687490	-15.510	$0.1275 \times 10^{-4}$	$0.9849 \times 10^{-5}$	29.452	7	$F_2$	2	7	$F_1$	175
5827.708952	5827.725508	-16.556		$0.2749 \times 10^{-4}$		7	$F_2$	1	7	$F_1$	175
5827.788380	5827.779821	8.559		$0.6215 \times 10^{-4}$		10	$F_2$	2	10	$F_1$	239
5828.002200	5828.012737	-10.537		$0.3500 \times 10^{-4}$		7	$F_1$	2	7	$F_2$	170
5828.060740	5828.068428	-7.688		$0.4142 \times 10^{-4}$		7	$F_1$	1	7	$F_2$	170
5828.660580	5828.633196	27.384	$0.3552 \times 10^{-4}$	$0.3254 \times 10^{-4}$	9.143	8	$E$	2	8	$E$	132
5828.747160	5828.718838	28.322		$0.4218 \times 10^{-6}$		8	$E$	1	8	$E$	132
5828.872000	5828.890847	-18.847		$0.2721 \times 10^{-4}$		7	$F_1$	1	7	$F_2$	171
5829.136530	5829.154698	-18.168		$0.3799 \times 10^{-4}$		3	$F_2$	1	3	$F_1$	83
5829.534100	5829.516884	17.216		$0.3992 \times 10^{-4}$		10	$A_2$	1	10	$A_1$	84
5829.868540	5829.864354	4.186	$0.1113 \times 10^{-1}$	$0.6403 \times 10^{-2}$	73.812	0	$A_1$	1	1	$A_2$	13
5829.973960	5829.962252	11.708		$0.2937 \times 10^{-4}$		5	$F_2$	1	5	$F_1$	130
5830.178000	5830.112861	65.139		$0.1913 \times 10^{-5}$		3	$F_2$	1	2	$F_1$	62
5830.407040	5830.412878	-5.838	$0.8066 \times 10^{-4}$	$0.9222 \times 10^{-4}$	-12.531	7	$F_2$	2	7	$F_1$	177
5830.433658	5830.430480	3.178		$0.4465 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	145
5830.909640	5830.901996	7.644		$0.4877 \times 10^{-4}$		9	$F_1$	3	9	$F_2$	219
5831.057670	5831.059022	-1.352	$0.3290 \times 10^{-4}$	$0.3005 \times 10^{-4}$	9.479	6	$F_2$	2	6	$F_1$	146
5831.076000	5831.080738	-4.738		$0.1920 \times 10^{-5}$		6	$F_2$	1	6	$F_1$	146
5831.165780	5831.147486	18.294	$0.1065 \times 10^{-3}$	$0.1024 \times 10^{-3}$	3.955	5	$F_1$	2	5	$F_2$	124
5831.178000	5831.162066	15.934		$0.1712 \times 10^{-4}$		5	$F_1$	1	5	$F_2$	124
5831.383360	5831.367378	15.982	$0.1016 \times 10^{-3}$	$0.1185 \times 10^{-3}$	-14.283	4	$F_2$	1	4	$F_1$	101
5831.497870	5831.453488	44.382	$0.4046 \times 10^{-4}$	$0.3404 \times 10^{-4}$	18.845	1	$F_1$	1	1	$F_2$	32
5831.637440	5831.633406	4.034	$0.1423 \times 10^{-4}$	$0.1327 \times 10^{-4}$	7.208	6	$F_1$	1	6	$F_2$	153
5831.713000	5831.698229	14.771		$0.9455 \times 10^{-5}$		5	$F_1$	2	5	$F_2$	125
5831.727870	5831.712810	15.060	$0.3846 \times 10^{-4}$	$0.4359 \times 10^{-4}$	-11.767	5	$F_1$	1	5	$F_2$	125
5832.118820	5832.111285	7.535		$0.4273 \times 10^{-4}$		5	$F_2$	1	5	$F_1$	131
5832.274732	5832.266970	7.762		$0.4399 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	105
5832.313750	5832.303209	10.541	$0.2343 \times 10^{-3}$	$0.2511 \times 10^{-3}$	-6.684	3	$F_2$	1	3	$F_1$	84
5832.565153	5832.489520	75.633		$0.2304 \times 10^{-5}$		3	$F_1$	1	2	$F_2$	69
5832.852690	5832.840712	11.978	$0.2202 \times 10^{-3}$	$0.2192 \times 10^{-3}$	0.462	4	$E$	1	4	$E$	71
5832.960700	5832.949873	10.827	$0.1218 \times 10^{-3}$	$0.1243 \times 10^{-3}$	-2.009	8	$F_1$	2	8	$F_2$	200
5833.072230	5833.105825	-33.595		$0.1477 \times 10^{-3}$		7	$F_2$	2	7	$F_1$	178
5833.123084	5833.140780	-17.696		$0.6839 \times 10^{-5}$		2	$F_2$	1	2	$F_1$	54
5833.284980	5833.290251	-5.271	$0.1422 \times 10^{-3}$	$0.1399 \times 10^{-3}$	1.652	2	$E$	1	2	$E$	40
5833.430910	5833.418258	12.652		$0.3070 \times 10^{-4}$		4	$F_2$	1	4	$F_1$	102
5834.242008	5834.238339	3.669	$0.2576 \times 10^{-2}$	$0.2667 \times 10^{-2}$	-3.407	1	$F_1$	1	2	$F_2$	56
5835.149780	5835.136127	13.653	$0.2413 \times 10^{-3}$	$0.2338 \times 10^{-3}$	3.222	3	$F_1$	1	3	$F_2$	80
5835.308605	5835.392756	-84.151	$0.1980 \times 10^{-2}$	$0.2028 \times 10^{-2}$	-2.358	6	$A_1$	1	6	$A_2$	50
5835.449800	5835.430224	19.576		$0.1352 \times 10^{-3}$		4	$F_1$	1	4	$F_2$	106

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5835.975383	5836.000309	-24.926	$0.8783 \times 10^{-3}$	$0.9529 \times 10^{-3}$	-7.829	4	$F_2$	1	4	$F_1$	103
5836.047610	5836.050944	-3.334	$0.3100 \times 10^{-3}$	$0.3541 \times 10^{-3}$	-12.448	6	$F_2$	2	6	$F_1$	149
5836.067942	5836.072661	-4.719		$0.9588 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	149
5836.386380	5836.369218	17.162	$0.2919 \times 10^{-3}$	$0.2994 \times 10^{-3}$	-2.490	5	$F_1$	2	5	$F_2$	127
5836.905793	5836.903174	2.619	$0.1275 \times 10^{-2}$	$0.1329 \times 10^{-2}$	-4.084	3	$A_2$	1	3	$A_1$	24
5836.973290	5836.945904	27.386	$0.2941 \times 10^{-3}$	$0.3096 \times 10^{-3}$	-5.014	4	$E$	1	4	$E$	72
5837.076940	5837.057404	19.536		$0.2271 \times 10^{-3}$		4	$F_1$	1	4	$F_2$	107
5837.582590	5837.557436	25.154	$0.3892 \times 10^{-3}$	$0.3929 \times 10^{-3}$	-0.945	3	$F_2$	1	3	$F_1$	85
5838.074850	5838.085460	-10.610	$0.1993 \times 10^{-4}$	$0.5083 \times 10^{-4}$	-60.789	10	$F_2$	3	10	$F_1$	249
5838.357567	5838.376868	-19.301	$0.8535 \times 10^{-3}$	$0.7664 \times 10^{-3}$	11.367	2	$F_2$	1	3	$F_1$	77
5839.240404	5839.249453	-9.049		$0.1977 \times 10^{-2}$		2	$E$	1	3	$E$	49
5839.363380	5839.374781	-11.401	$0.4751 \times 10^{-3}$	$0.5221 \times 10^{-3}$	-9.010	1	$F_1$	1	2	$F_2$	57
5839.871916	5839.865780	6.136		$0.4463 \times 10^{-5}$		3	$F_1$	1	3	$F_2$	81
5840.273693	5840.243912	29.781	$0.2303 \times 10^{-2}$	$0.2093 \times 10^{-2}$	10.040	1	$F_1$	1	2	$F_2$	58
5840.418810	5840.422513	-3.703	$0.5257 \times 10^{-4}$	$0.5350 \times 10^{-4}$	-1.739	4	$F_1$	1	4	$F_2$	108
5840.588674	5840.591850	-3.176	$0.2422 \times 10^{-2}$	$0.2382 \times 10^{-2}$	1.698	2	$F_2$	1	3	$F_1$	78
5841.217520	5841.147054	70.466		$0.1367 \times 10^{-3}$		6	$E$	1	6	$E$	104
5841.155880	5841.164050	-8.170	$0.2671 \times 10^{-3}$	$0.2619 \times 10^{-3}$	1.976	5	$F_1$	1	5	$F_2$	128
5841.517429	5841.462782	54.647		$0.6428 \times 10^{-4}$		6	$F_2$	2	6	$F_1$	151
5841.538490	5841.484498	53.992		$0.1365 \times 10^{-3}$		6	$F_2$	1	6	$F_1$	151
5842.478000	5842.468667	9.333		$0.1311 \times 10^{-4}$		6	$F_1$	1	6	$F_2$	158
5842.526000	5842.535590	-9.590		$0.1061 \times 10^{-3}$		7	$F_2$	2	7	$F_1$	183
5842.550000	5842.554499	-4.499		$0.1424 \times 10^{-4}$		7	$F_1$	2	7	$F_2$	179
5842.563290	5842.573609	-10.319	$0.1230 \times 10^{-3}$	$0.1269 \times 10^{-3}$	-3.054	7	$F_2$	1	7	$F_1$	183
5842.609210	5842.610190	-0.980	$0.1782 \times 10^{-3}$	$0.1883 \times 10^{-3}$	-5.389	7	$F_1$	1	7	$F_2$	179
5842.738810	5842.734150	4.660	$0.4448 \times 10^{-3}$	$0.4436 \times 10^{-3}$	0.281	3	$F_2$	1	4	$F_1$	93
5842.904000	5842.972216	-68.216	$0.4903 \times 10^{-3}$	$0.4612 \times 10^{-3}$	6.318	1	$F_1$	1	1	$F_2$	33
5843.228902	5843.230289	-1.387		$0.5582 \times 10^{-4}$		6	$E$	1	6	$E$	105
5843.254000	5843.254998	-0.998	$0.1712 \times 10^{-3}$	$0.1916 \times 10^{-3}$	-10.631	2	$F_2$	1	2	$F_1$	56
5843.582070	5843.535387	46.683		$0.5051 \times 10^{-4}$		1	$F_1$	1	1	$F_2$	34
5843.664950	5843.669470	-4.520	$0.1698 \times 10^{-3}$	$0.1212 \times 10^{-3}$	40.102	9	$E$	1	9	$E$	155
5843.981711	5844.005374	-23.663	$0.2162 \times 10^{-2}$	$0.2221 \times 10^{-2}$	-2.677	3	$F_1$	1	4	$F_2$	97
5844.201860	5844.192500	9.360		$0.1376 \times 10^{-3}$		8	$F_2$	1	8	$F_1$	205
5844.403708	5844.434001	-30.293		$0.9861 \times 10^{-4}$		3	$F_2$	1	3	$F_1$	86
5844.650330	5844.672919	-22.589	$0.1098 \times 10^{-3}$	$0.1067 \times 10^{-3}$	2.893	3	$F_1$	1	3	$F_2$	82
5844.898600	5844.905240	-6.640	$0.5749 \times 10^{-3}$	$0.4681 \times 10^{-3}$	22.828	2	$E$	1	2	$E$	41
5845.297590	5845.292878	4.712	$0.4805 \times 10^{-3}$	$0.5068 \times 10^{-3}$	-5.198	1	$F_1$	1	2	$F_2$	59
5845.407730	5845.430296	-22.566	$0.1434 \times 10^{-3}$	$0.1285 \times 10^{-3}$	11.617	2	$E$	1	1	$E$	26
5845.520000	5845.560169	-40.169		$0.6540 \times 10^{-5}$		4	$F_1$	1	4	$F_2$	109
5845.589088	5845.594427	-5.339		$0.4036 \times 10^{-5}$		5	$F_1$	1	5	$F_2$	129
5845.697070	5845.698777	-1.707	$0.3738 \times 10^{-2}$	$0.2427 \times 10^{-2}$	54.008	3	$F_2$	1	4	$F_1$	94
5845.749800	5845.819952	-70.152		$0.5655 \times 10^{-4}$		4	$E$	1	4	$E$	73
5845.994060	5845.994418	-0.358	$0.6576 \times 10^{-3}$	$0.5573 \times 10^{-3}$	17.995	2	$F_2$	1	2	$F_1$	57
5846.051200	5846.107855	-56.655	$0.1626 \times 10^{-3}$	$0.1634 \times 10^{-3}$	-0.516	2	$F_2$	1	1	$F_1$	44
5846.140000	5846.128686	11.314		$0.3532 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	110
5846.207856	5846.221403	-13.547	$0.9049 \times 10^{-3}$	$0.8912 \times 10^{-3}$	1.539	3	$F_1$	1	4	$F_2$	98
5846.309464	5846.282027	27.437	$0.1749 \times 10^{-2}$	$0.1787 \times 10^{-2}$	-2.151	2	$F_2$	1	3	$F_1$	79
5846.377420	5846.386685	-9.265	$0.7828 \times 10^{-2}$	$0.5312 \times 10^{-2}$	47.367	3	$A_2$	1	4	$A_1$	36
5846.543990	5846.569640	-25.650	$0.5140 \times 10^{-4}$	$0.4649 \times 10^{-4}$	10.562	4	$F_2$	1	4	$F_1$	105
5846.731030	5846.772995	-41.965	$0.1248 \times 10^{-3}$	$0.1181 \times 10^{-3}$	5.687	3	$F_2$	1	3	$F_1$	87

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5847.498210	5847.453573	44.637		$0.1506 \times 10^{-2}$		2	$E$	1	3	$E$	50
5847.602680	5847.626711	-24.031	$0.2999 \times 10^{-3}$	$0.2854 \times 10^{-3}$	5.096	2	$F_2$	1	2	$F_1$	58
5847.717380	5847.681562	35.818	$0.3824 \times 10^{-4}$	$0.3815 \times 10^{-4}$	0.245	4	$F_2$	1	4	$F_1$	106
5847.825372	5847.781670	43.702	$0.2882 \times 10^{-3}$	$0.2800 \times 10^{-3}$	2.915	3	$F_2$	1	4	$F_1$	95
5847.806820	5847.821681	-14.861		$0.9300 \times 10^{-4}$		5	$E$	1	5	$E$	88
5848.015730	5847.984822	30.908	$0.4597 \times 10^{-3}$	$0.4370 \times 10^{-3}$	5.185	2	$F_2$	1	3	$F_1$	80
5848.082667	5848.083954	-1.287	$0.9130 \times 10^{-3}$	$0.8271 \times 10^{-3}$	10.386	3	$F_1$	1	3	$F_2$	83
5848.401510	5848.404990	-3.480	$0.1969 \times 10^{-3}$	$0.2039 \times 10^{-3}$	-3.415	4	$F_1$	1	4	$F_2$	111
5849.243970	5849.262008	-18.038	$0.1157 \times 10^{-3}$	$0.8701 \times 10^{-4}$	32.973	5	$F_2$	1	5	$F_1$	138
5849.405570	5849.456728	-51.158	$0.4227 \times 10^{-2}$	$0.4763 \times 10^{-2}$	-11.248	4	$A_1$	1	5	$A_2$	41
5849.699320	5849.672119	27.201	$0.9350 \times 10^{-4}$	$0.7545 \times 10^{-4}$	23.917	6	$F_2$	2	6	$F_1$	156
5849.765000	5849.774032	-9.032		$0.3923 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	112
5849.785000	5849.802209	-17.209		$0.1708 \times 10^{-2}$		4	$F_1$	1	5	$F_2$	115
5850.213307	5850.223558	-10.251		$0.6822 \times 10^{-4}$		5	$F_1$	1	5	$F_2$	132
5850.254812	5850.245690	9.122	$0.4095 \times 10^{-3}$	$0.4056 \times 10^{-3}$	0.965	4	$F_2$	1	5	$F_1$	120
5850.500502	5850.467050	33.452	$0.1341 \times 10^{-2}$	$0.1478 \times 10^{-2}$	-9.251	3	$F_1$	1	3	$F_2$	84
5850.478357	5850.543531	-65.174	$0.1471 \times 10^{-2}$	$0.1505 \times 10^{-2}$	-2.274	3	$F_2$	1	3	$F_1$	88
5851.029790	5851.010028	19.762	$0.2750 \times 10^{-4}$	$0.3032 \times 10^{-4}$	-9.296	4	$F_2$	1	4	$F_1$	107
5851.093310	5851.081382	11.928	$0.2091 \times 10^{-4}$	$0.1878 \times 10^{-4}$	11.354	8	$F_1$	2	8	$F_2$	214
5851.477370	5851.466592	10.778	$0.4944 \times 10^{-4}$	$0.5512 \times 10^{-4}$	-10.309	1	$F_1$	1	2	$F_2$	60
5851.502050	5851.508009	-5.959	$0.9323 \times 10^{-4}$	$0.1106 \times 10^{-3}$	-15.705	4	$F_1$	1	4	$F_2$	113
5851.676750	5851.701946	-25.196	$0.1517 \times 10^{-2}$	$0.1481 \times 10^{-2}$	2.414	4	$E$	1	5	$E$	78
5851.814270	5851.819858	-5.588	$0.2235 \times 10^{-2}$	$0.2113 \times 10^{-2}$	5.770	4	$F_2$	1	5	$F_1$	121
5851.724583	5851.919637	-195.054	$0.1940 \times 10^{-2}$	$0.1832 \times 10^{-2}$	5.923	3	$A_2$	1	3	$A_1$	25
5852.062310	5852.057808	4.502	$0.7261 \times 10^{-4}$	$0.7146 \times 10^{-4}$	1.609	9	$A_1$	1	9	$A_2$	81
5852.117400	5852.109400	8.000	$0.3087 \times 10^{-3}$	$0.2353 \times 10^{-3}$	31.173	6	$A_2$	1	6	$A_1$	56
5852.199730	5852.214163	-14.433	$0.2698 \times 10^{-4}$	$0.1970 \times 10^{-4}$	36.985	5	$E$	1	5	$E$	90
5852.273400	5852.270718	2.682	$0.6730 \times 10^{-3}$	$0.6773 \times 10^{-3}$	-0.630	4	$F_1$	1	5	$F_2$	116
5852.311050	5852.305785	5.265	$0.2084 \times 10^{-4}$	$0.1214 \times 10^{-4}$	71.623	5	$F_2$	1	5	$F_1$	139
5852.512474	5852.480543	31.931	$0.4024 \times 10^{-2}$	$0.4490 \times 10^{-2}$	-10.386	3	$A_2$	1	4	$A_1$	37
5852.749873	5852.722755	27.118	$0.2028 \times 10^{-2}$	$0.2026 \times 10^{-2}$	0.122	3	$F_2$	1	4	$F_1$	96
5852.832830	5852.816030	16.800	$0.7723 \times 10^{-3}$	$0.6695 \times 10^{-3}$	15.362	3	$F_1$	1	4	$F_2$	99
5852.858000	5852.824282	33.718		$0.1305 \times 10^{-3}$		6	$F_2$	1	6	$F_1$	158
5852.845810	5852.853652	-7.842		$0.2547 \times 10^{-3}$		5	$F_1$	1	5	$F_2$	133
5853.190000	5853.206388	-16.388	$0.1223 \times 10^{-3}$	$0.7360 \times 10^{-4}$	66.173	5	$F_1$	2	6	$F_2$	140
5853.203442	5853.220969	-17.527		$0.3636 \times 10^{-3}$		5	$F_1$	1	6	$F_2$	140
5853.257601	5853.253192	4.409	$0.8839 \times 10^{-3}$	$0.7941 \times 10^{-3}$	11.311	5	$F_2$	1	6	$F_1$	134
5853.946760	5853.949476	-2.716	$0.5495 \times 10^{-3}$	$0.5349 \times 10^{-3}$	2.727	4	$F_2$	1	5	$F_1$	122
5854.166451	5854.151804	14.647	$0.1811 \times 10^{-2}$	$0.1263 \times 10^{-2}$	43.362	4	$E$	1	4	$E$	75
5854.192477	5854.208387	-15.910	$0.1418 \times 10^{-2}$	$0.1307 \times 10^{-2}$	8.510	2	$F_2$	1	3	$F_1$	81
5854.272713	5854.263333	9.380	$0.1650 \times 10^{-2}$	$0.1754 \times 10^{-2}$	-5.944	4	$F_1$	1	4	$F_2$	114
5854.415000	5854.411523	3.477	$0.1101 \times 10^{-2}$	$0.9208 \times 10^{-3}$	19.570	3	$F_1$	1	4	$F_2$	100
5854.440875	5854.430677	10.198	$0.3985 \times 10^{-2}$	$0.3797 \times 10^{-2}$	4.962	4	$A_1$	1	4	$A_2$	35
5854.527638	5854.516930	10.708		$0.2012 \times 10^{-3}$		7	$F_2$	1	7	$F_1$	190
5854.504700	5854.538484	-33.784	$0.1223 \times 10^{-3}$	$0.1073 \times 10^{-3}$	13.948	4	$F_1$	1	5	$F_2$	117
5854.943461	5854.934385	9.076	$0.1398 \times 10^{-2}$	$0.1235 \times 10^{-2}$	13.229	2	$E$	1	3	$E$	52
5854.981156	5854.982462	-1.306		$0.6284 \times 10^{-3}$		4	$F_1$	1	4	$F_2$	115
5855.060708	5855.054663	6.045		$0.2891 \times 10^{-3}$		4	$F_2$	1	4	$F_1$	109
5855.189500	5855.212116	-22.616		$0.1165 \times 10^{-3}$		5	$F_1$	2	6	$F_2$	141
5855.202960	5855.226696	-23.736		$0.1915 \times 10^{-2}$		5	$F_1$	1	6	$F_2$	141

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5855.493469	5855.471852	21.617		$0.4567 \times 10^{-4}$		7	$F_2$	2	7	$F_1$	191
5855.530970	5855.509871	21.099	$0.1116 \times 10^{-3}$	$0.9459 \times 10^{-4}$	17.979	7	$F_2$	1	7	$F_1$	191
5855.575823	5855.525590	50.233	$0.8533 \times 10^{-3}$	$0.6753 \times 10^{-3}$	26.355	5	$E$	1	6	$E$	93
5855.602590	5855.607598	-5.008	$0.6945 \times 10^{-4}$	$0.7724 \times 10^{-4}$	-10.088	7	$E$	1	7	$E$	125
5855.642728	5855.648741	-6.013		$0.7631 \times 10^{-7}$		3	$F_1$	1	4	$F_2$	101
5855.905000	5855.880498	24.502		$0.6393 \times 10^{-4}$		4	$F_2$	1	4	$F_1$	111
5855.917000	5855.913475	3.525		$0.4512 \times 10^{-3}$		5	$F_2$	1	6	$F_1$	135
5856.045000	5856.051491	-6.491		$0.1336 \times 10^{-3}$		5	$F_1$	2	5	$F_2$	135
5856.059757	5856.066072	-6.315		$0.7219 \times 10^{-3}$		5	$F_1$	1	5	$F_2$	135
5856.638974	5856.630511	8.463	$0.6615 \times 10^{-3}$	$0.6758 \times 10^{-3}$	-2.119	0	$A_1$	1	1	$A_2$	14
5856.753385	5856.806870	-53.485	$0.7278 \times 10^{-3}$	$0.6159 \times 10^{-3}$	18.172	6	$E$	1	6	$E$	110
5857.001708	5856.979529	22.179		$0.1563 \times 10^{-4}$		1	$F_1$	1	2	$F_2$	61
5857.050368	5857.061078	-10.710	$0.1737 \times 10^{-2}$	$0.1757 \times 10^{-2}$	-1.126	5	$F_2$	1	5	$F_1$	142
5857.482477	5857.472299	10.178	$0.1155 \times 10^{-2}$	$0.1138 \times 10^{-2}$	1.488	5	$F_2$	1	6	$F_1$	136
5857.570090	5857.562566	7.524		$0.2023 \times 10^{-3}$		4	$F_2$	1	4	$F_1$	112
5857.653610	5857.614265	39.345	$0.6405 \times 10^{-3}$	$0.6194 \times 10^{-3}$	3.402	5	$E$	1	6	$E$	94
5857.738000	5857.703045	34.955	$0.2202 \times 10^{-2}$	$0.2230 \times 10^{-2}$	-1.258	5	$F_1$	2	6	$F_2$	142
5857.750000	5857.717625	32.375		$0.1005 \times 10^{-3}$		5	$F_1$	1	6	$F_2$	142
5858.571900	5858.567677	4.223		$0.5817 \times 10^{-3}$		6	$F_2$	1	6	$F_1$	161
5858.576428	5858.574849	1.579		$0.1667 \times 10^{-3}$		2	$F_2$	1	3	$F_1$	82
5858.710001	5858.693628	16.373		$0.9802 \times 10^{-3}$		4	$E$	1	5	$E$	79
5858.808893	5858.798214	10.679	$0.2394 \times 10^{-2}$	$0.2016 \times 10^{-2}$	18.770	4	$F_2$	1	5	$F_1$	123
5858.972240	5859.009603	-37.363		$0.7834 \times 10^{-3}$		5	$F_1$	2	5	$F_2$	136
5859.071750	5859.019873	51.877		$0.1118 \times 10^{-2}$		5	$E$	1	5	$E$	93
5858.985860	5859.024183	-38.323		$0.1207 \times 10^{-2}$		5	$F_1$	1	5	$F_2$	136
5859.225400	5859.200741	24.659		$0.1133 \times 10^{-2}$		5	$F_1$	2	5	$F_2$	137
5859.251572	5859.215322	36.250		$0.5600 \times 10^{-3}$		5	$F_1$	1	5	$F_2$	137
5859.435365	5859.464850	-29.485		$0.3500 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	118
5859.490420	5859.525320	-34.900		$0.6176 \times 10^{-4}$		7	$E$	1	7	$E$	126
5859.988640	5860.001372	-12.732		$0.3095 \times 10^{-3}$		5	$E$	1	5	$E$	94
5860.288593	5860.276823	11.770		$0.1205 \times 10^{-4}$		3	$F_2$	1	4	$F_1$	98
5860.410710	5860.432170	-21.460	$0.6072 \times 10^{-3}$	$0.5875 \times 10^{-3}$	3.354	4	$F_1$	1	5	$F_2$	119
5860.487919	5860.435165	52.754	$0.1692 \times 10^{-2}$	$0.1210 \times 10^{-2}$	39.886	6	$A_1$	1	6	$A_2$	52
5860.449664	5860.451127	-1.463	$0.8592 \times 10^{-3}$	$0.6796 \times 10^{-3}$	26.423	6	$F_2$	2	6	$F_1$	162
5860.513641	5860.501951	11.690	$0.9989 \times 10^{-3}$	$0.7458 \times 10^{-3}$	33.928	6	$F_1$	1	6	$F_2$	168
5860.574460	5860.589144	-14.684		$0.4803 \times 10^{-4}$		2	$F_2$	1	3	$F_1$	83
5860.726594	5860.746333	-19.739	$0.2202 \times 10^{-2}$	$0.1909 \times 10^{-2}$	15.327	4	$A_1$	1	5	$A_2$	42
5861.094000	5861.057837	36.163		$0.5650 \times 10^{-3}$		6	$F_2$	2	7	$F_1$	162
5861.114000	5861.079553	34.447		$0.7543 \times 10^{-3}$		6	$F_2$	1	7	$F_1$	162
5861.285260	5861.220964	64.296	$0.1736 \times 10^{-3}$	$0.1868 \times 10^{-3}$	-7.055	6	$F_1$	1	7	$F_2$	158
5861.612680	5861.547307	65.373	$0.9017 \times 10^{-4}$	$0.8907 \times 10^{-4}$	1.236	2	$F_2$	1	2	$F_1$	62
5861.987500	5861.959272	28.228	$0.6116 \times 10^{-4}$	$0.6807 \times 10^{-4}$	-10.154	2	$E$	1	2	$E$	45
5862.275810	5862.277199	-1.389		$0.5690 \times 10^{-4}$		6	$F_2$	1	7	$F_1$	163
5862.368280	5862.382570	-14.290	$0.5228 \times 10^{-3}$	$0.7655 \times 10^{-3}$	-31.707	6	$F_2$	2	6	$F_1$	164
5862.390130	5862.404286	-14.156		$0.5011 \times 10^{-3}$		6	$F_2$	1	6	$F_1$	164
5862.809543	5862.890209	-80.666		$0.1780 \times 10^{-2}$		6	$A_2$	1	7	$A_1$	51
5863.002620	5862.983741	18.879	$0.8846 \times 10^{-3}$	$0.7542 \times 10^{-3}$	17.293	6	$F_2$	2	7	$F_1$	164
5862.984820	5862.996093	-11.273	$0.8621 \times 10^{-4}$	$0.7588 \times 10^{-4}$	13.617	4	$F_2$	1	5	$F_1$	126
5863.026710	5863.005457	21.253		$0.4507 \times 10^{-3}$		6	$F_2$	1	7	$F_1$	164
5862.903165	5863.062636	-159.471	$0.9734 \times 10^{-3}$	$0.9890 \times 10^{-3}$	-1.582	6	$F_1$	1	7	$F_2$	159



Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5863.551722	5863.558510	-6.788	$0.2630 \times 10^{-2}$	$0.2687 \times 10^{-2}$	-2.109	3	$F_1$	1	4	$F_2$	103
5863.748190	5863.737655	10.535	$0.2906 \times 10^{-3}$	$0.2908 \times 10^{-3}$	-0.085	2	$F_2$	1	3	$F_1$	84
5864.079280	5864.094252	-14.972	$0.7070 \times 10^{-2}$	$0.1789 \times 10^{-2}$	295.230	3	$F_2$	1	4	$F_1$	99
5864.744792	5864.738966	5.826	$0.1364 \times 10^{-2}$	$0.1316 \times 10^{-2}$	3.660	5	$F_1$	2	6	$F_2$	144
5864.758000	5864.753547	4.453		$0.6480 \times 10^{-4}$		5	$F_1$	1	6	$F_2$	144
5864.862000	5864.882077	-20.077		$0.5912 \times 10^{-4}$		3	$F_2$	1	3	$F_1$	97
5865.498500	5865.506930	-8.430		$0.2292 \times 10^{-5}$		2	$E$	1	3	$E$	53
5865.803730	5865.725184	78.546	$0.5698 \times 10^{-4}$	$0.6836 \times 10^{-4}$	-16.643	3	$F_1$	1	3	$F_2$	92
5865.878890	5865.818227	60.663	$0.3310 \times 10^{-4}$	$0.3455 \times 10^{-4}$	-4.193	4	$F_1$	1	4	$F_2$	122
5865.830870	5865.831919	-1.049		$0.9496 \times 10^{-4}$		6	$E$	1	6	$E$	114
5866.166750	5866.192175	-25.425		$0.2890 \times 10^{-3}$		7	$F_1$	1	8	$F_2$	180
5866.576740	5866.563780	12.960		$0.6656 \times 10^{-4}$		6	$F_2$	2	6	$F_1$	167
5866.596000	5866.585496	10.504		$0.2636 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	167
5866.626026	5866.629938	-3.912	$0.4037 \times 10^{-3}$	$0.4053 \times 10^{-3}$	-0.399	1	$F_1$	1	2	$F_2$	63
5866.730341	5866.729911	0.430	$0.1321 \times 10^{-2}$	$0.1042 \times 10^{-2}$	26.744	12	$A_1$	1	11	$A_2$	118
5866.777419	5866.808604	-31.185	$0.1016 \times 10^{-2}$	$0.8976 \times 10^{-3}$	13.186	5	$F_1$	1	6	$F_2$	145
5866.830319	5866.867547	-37.228	$0.4203 \times 10^{-3}$	$0.4173 \times 10^{-3}$	0.715	5	$E$	1	6	$E$	97
5867.234866	5867.254115	-19.249		$0.9727 \times 10^{-5}$		4	$E$	1	5	$E$	81
5867.348780	5867.377819	-29.039		$0.5117 \times 10^{-3}$		7	$F_2$	2	7	$F_1$	196
5867.386840	5867.415838	-28.998		$0.2091 \times 10^{-3}$		7	$F_2$	1	7	$F_1$	196
5867.776000	5867.791116	-15.116		$0.9986 \times 10^{-7}$		4	$F_2$	1	5	$F_1$	127
5868.102147	5868.104099	-1.952	$0.3369 \times 10^{-3}$	$0.3112 \times 10^{-3}$	8.276	3	$F_1$	1	4	$F_2$	104
5868.290598	5868.256524	34.074		$0.8720 \times 10^{-3}$		12	$A_2$	1	11	$A_1$	111
5868.248449	5868.265494	-17.045	$0.8386 \times 10^{-3}$	$0.6518 \times 10^{-3}$	28.663	6	$F_1$	1	7	$F_2$	161
5868.336980	5868.312763	24.217	$0.2806 \times 10^{-3}$	$0.4807 \times 10^{-3}$	-41.621	12	$F_2$	3	11	$F_1$	350
5868.586610	5868.560787	25.823		$0.4739 \times 10^{-4}$		5	$F_1$	2	6	$F_2$	146
5869.030170	5869.059802	-29.632		$0.4103 \times 10^{-3}$		3	$A_2$	1	4	$A_1$	38
5869.095050	5869.103890	-8.840		$0.3733 \times 10^{-3}$		1	$F_1$	1	2	$F_2$	64
5869.185122	5869.186056	-0.934	$0.1677 \times 10^{-2}$	$0.1688 \times 10^{-2}$	-0.638	6	$A_2$	1	7	$A_1$	52
5869.341170	5869.306605	34.565		$0.1463 \times 10^{-3}$		12	$A_1$	2	11	$A_2$	120
5869.793620	5869.779877	13.743	$0.1456 \times 10^{-3}$	$0.2051 \times 10^{-3}$	-29.006	6	$F_2$	2	7	$F_1$	166
5869.815562	5869.801594	13.968	$0.4178 \times 10^{-3}$	$0.3866 \times 10^{-3}$	8.071	6	$F_2$	1	7	$F_1$	166
5870.155607	5870.169831	-14.224		$0.1717 \times 10^{-2}$		6	$A_1$	1	7	$A_2$	57
5870.678540	5870.670398	8.142		$0.2371 \times 10^{-3}$		8	$E$	2	9	$E$	130
5870.764885	5870.756040	8.845		$0.4542 \times 10^{-6}$		8	$E$	1	9	$E$	130
5871.144540	5871.146722	-2.182		$0.3871 \times 10^{-3}$		7	$F_2$	2	7	$F_1$	199
5871.179990	5871.184741	-4.751		$0.1211 \times 10^{-3}$		7	$F_2$	1	7	$F_1$	199
5871.557000	5871.542545	14.455		$0.2264 \times 10^{-5}$		2	$E$	1	3	$E$	54
5872.618778	5872.602719	16.059	$0.2630 \times 10^{-2}$	$0.2572 \times 10^{-2}$	2.256	3	$A_2$	1	4	$A_1$	39
5872.828010	5872.832042	-4.032		$0.5753 \times 10^{-2}$		4	$A_1$	1	5	$A_2$	43
5873.144955	5873.151614	-6.659	$0.2777 \times 10^{-2}$	$0.2755 \times 10^{-2}$	0.795	4	$F_1$	1	5	$F_2$	121
5873.285960	5873.270536	15.424	$0.6825 \times 10^{-3}$	$0.7110 \times 10^{-3}$	-4.005	3	$F_2$	1	4	$F_1$	101
5873.444460	5873.410733	33.727		$0.2716 \times 10^{-3}$		6	$F_2$	2	7	$F_1$	167
5873.464112	5873.432450	31.662		$0.4150 \times 10^{-3}$		6	$F_2$	1	7	$F_1$	167
5873.503888	5873.516906	-13.018	$0.1691 \times 10^{-2}$	$0.1636 \times 10^{-2}$	3.365	4	$E$	1	5	$E$	82
5873.698880	5873.887443	-188.563	$0.9989 \times 10^{-4}$	$0.4075 \times 10^{-4}$	145.149	1	$F_1$	1	2	$F_2$	65
5874.173150	5874.165884	7.266		$0.5061 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	105
5874.360050	5874.360834	-0.784	$0.5959 \times 10^{-4}$	$0.8742 \times 10^{-4}$	-31.831	1	$F_1$	1	2	$F_2$	66
5875.264331	5875.288511	-24.180		$0.5145 \times 10^{-3}$		8	$F_2$	1	8	$F_1$	221
5875.374310	5875.309677	64.633		$0.1434 \times 10^{-3}$		7	$A_2$	1	7	$A_1$	65

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5875.334523	5875.321417	13.106		$0.2334 \times 10^{-5}$		3	$F_2$	1	4	$F_1$	102
5875.839840	5875.868447	-28.607	$0.4734 \times 10^{-4}$	$0.5370 \times 10^{-4}$	-11.851	2	$F_2$	1	3	$F_1$	86
5876.517090	5876.548690	-31.600		$0.3052 \times 10^{-3}$		2	$E$	1	3	$E$	55
5878.165500	5878.207441	-41.941	$0.1004 \times 10^{-2}$	$0.7990 \times 10^{-3}$	25.653	2	$F_2$	1	3	$F_1$	87
5878.473850	5878.497170	-23.320	$0.1879 \times 10^{-3}$	$0.1704 \times 10^{-3}$	10.287	4	$F_1$	1	5	$F_2$	123
5878.767239	5878.775608	-8.369	$0.5289 \times 10^{-3}$	$0.4234 \times 10^{-3}$	24.916	4	$A_1$	1	5	$A_2$	44
5878.820140	5878.812261	7.879	$0.8624 \times 10^{-4}$	$0.1395 \times 10^{-4}$	518.171	11	$F_2$	2	10	$F_1$	313
5878.972101	5878.956318	15.783		$0.1667 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	107
5878.931065	5878.968995	-37.930	$0.1415 \times 10^{-2}$	$0.1354 \times 10^{-2}$	4.533	11	$F_1$	1	10	$F_2$	320
5878.988153	5878.981441	6.712	$0.1279 \times 10^{-2}$	$0.1337 \times 10^{-2}$	-4.373	11	$F_2$	1	10	$F_1$	313
5879.109490	5879.093744	15.746	$0.2141 \times 10^{-2}$	$0.2104 \times 10^{-2}$	1.752	11	$A_2$	1	10	$A_1$	109
5879.179120	5879.160283	18.837	$0.2111 \times 10^{-3}$	$0.1800 \times 10^{-3}$	17.277	9	$E$	1	9	$E$	167
5879.310300	5879.317793	-7.493		$0.1171 \times 10^{-2}$		11	$F_2$	2	10	$F_1$	314
5879.425443	5879.457659	-32.216		$0.7982 \times 10^{-3}$		11	$E$	1	10	$E$	213
5879.534785	5879.577301	-42.516		$0.6143 \times 10^{-5}$		11	$F_1$	2	10	$F_2$	321
5879.643620	5879.620807	22.813	$0.2488 \times 10^{-3}$	$0.2158 \times 10^{-3}$	15.312	2	$E$	1	3	$E$	56
5879.684298	5879.689265	-4.967	$0.1162 \times 10^{-2}$	$0.1176 \times 10^{-2}$	-1.232	11	$F_2$	3	10	$F_1$	315
5879.803453	5879.749464	53.989		$0.4430 \times 10^{-5}$		11	$F_1$	3	10	$F_2$	322
5880.148162	5880.160867	-12.705	$0.3476 \times 10^{-3}$	$0.2981 \times 10^{-3}$	16.589	7	$F_1$	1	8	$F_2$	188
5881.805000	5881.776387	28.613		$0.4783 \times 10^{-4}$		11	$F_2$	3	10	$F_1$	316
5881.856445	5881.795615	60.830		$0.8985 \times 10^{-4}$		11	$A_2$	1	10	$A_1$	110
5881.911768	5881.977977	-66.209		$0.5536 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	88
5882.300000	5882.312698	-12.698		$0.8673 \times 10^{-5}$		5	$F_1$	2	6	$F_2$	149
5882.318218	5882.327278	-9.060		$0.3064 \times 10^{-2}$		5	$F_1$	1	6	$F_2$	149
5882.648593	5882.649441	-0.848	$0.2730 \times 10^{-2}$	$0.2593 \times 10^{-2}$	5.281	5	$F_2$	1	6	$F_1$	143
5883.103441	5883.114086	-10.645	$0.3621 \times 10^{-3}$	$0.6132 \times 10^{-3}$	-40.951	9	$F_1$	3	10	$F_2$	223
5883.152970	5883.163805	-10.835		$0.6253 \times 10^{-4}$		9	$F_1$	2	10	$F_2$	223
5883.240710	5883.252127	-11.417		$0.2025 \times 10^{-4}$		9	$F_1$	1	10	$F_2$	223
5883.527810	5883.511687	16.123	$0.3540 \times 10^{-3}$	$0.3839 \times 10^{-3}$	-7.789	4	$F_1$	1	5	$F_2$	124
5884.078845	5884.062431	16.414	$0.5717 \times 10^{-4}$	$0.4381 \times 10^{-4}$	30.487	4	$F_1$	1	5	$F_2$	125
5884.128613	5884.144028	-15.415		$0.7082 \times 10^{-6}$		6	$F_1$	1	7	$F_2$	167
5884.465700	5884.459188	6.512		$0.2130 \times 10^{-3}$		4	$F_2$	1	5	$F_1$	131
5884.961070	5884.883636	77.434	$0.1472 \times 10^{-3}$	$0.1632 \times 10^{-3}$	-9.826	1	$F_1$	1	2	$F_2$	69
5884.907640	5884.907345	0.295	$0.7794 \times 10^{-4}$	$0.4584 \times 10^{-4}$	70.013	5	$F_2$	1	6	$F_1$	144
5885.299000	5885.299182	-0.182		$0.5357 \times 10^{-4}$		10	$F_2$	2	9	$F_1$	291
5885.392560	5885.405929	-13.369		$0.1993 \times 10^{-6}$		11	$F_2$	2	12	$F_1$	246
5886.350720	5886.332719	18.001	$0.5984 \times 10^{-3}$	$0.5710 \times 10^{-3}$	4.806	8	$A_1$	1	9	$A_2$	70
5887.417110	5887.459084	-41.974		$0.3181 \times 10^{-3}$		3	$F_1$	1	4	$F_2$	109
5887.673900	5887.734357	-60.457		$0.1017 \times 10^{-3}$		2	$E$	1	3	$E$	59
5888.038740	5888.027601	11.139	$0.1694 \times 10^{-3}$	$0.1609 \times 10^{-3}$	5.287	3	$F_1$	1	4	$F_2$	110
5888.177400	5888.189200	-11.800		$0.3823 \times 10^{-4}$		5	$F_1$	2	6	$F_2$	151
5888.189620	5888.203780	-14.160		$0.9601 \times 10^{-4}$		5	$F_1$	1	6	$F_2$	151
5888.448910	5888.472798	-23.888	$0.5969 \times 10^{-3}$	$0.5519 \times 10^{-3}$	8.159	3	$F_2$	1	4	$F_1$	105
5888.748675	5888.733419	15.256		$0.2682 \times 10^{-4}$		4	$F_1$	1	5	$F_2$	127
5889.016691	5889.045302	-28.611	$0.1826 \times 10^{-2}$	$0.1916 \times 10^{-2}$	-4.679	3	$A_2$	1	4	$A_1$	40
5889.093114	5889.106729	-13.615		$0.3243 \times 10^{-4}$		7	$A_2$	1	6	$A_1$	68
5889.096900	5889.106729	-9.829		$0.3243 \times 10^{-4}$		7	$A_2$	1	6	$A_1$	68
5889.198550	5889.218383	-19.833	$0.3961 \times 10^{-4}$	$0.4124 \times 10^{-4}$	-3.952	14	$F_1$	3	13	$F_2$	420
5889.313150	5889.317082	-3.932		$0.2779 \times 10^{-4}$		7	$F_2$	2	6	$F_1$	189
5889.619580	5889.584721	34.859	$0.3239 \times 10^{-3}$	$0.3114 \times 10^{-3}$	4.019	3	$F_2$	1	4	$F_1$	106

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5889.665110	5889.677686	-12.576	$0.4912 \times 10^{-4}$	$0.4676 \times 10^{-4}$	5.045	14	$F_2$	3	13	$F_1$	429
5890.299580	5890.303904	-4.324	$0.2080 \times 10^{-3}$	$0.1852 \times 10^{-3}$	12.331	3	$F_1$	1	4	$F_2$	111
5890.524780	5890.530563	-5.783		$0.5739 \times 10^{-4}$		14	$A_1$	1	13	$A_2$	144
5891.377562	5891.354586	22.976	$0.2273 \times 10^{-2}$	$0.2069 \times 10^{-2}$	9.868	10	$F_1$	1	9	$F_2$	285
5891.341965	5891.356159	-14.194	$0.2193 \times 10^{-2}$	$0.2134 \times 10^{-2}$	2.777	10	$F_2$	2	9	$F_1$	294
5891.456671	5891.529933	-73.262		$0.3523 \times 10^{-2}$		10	$A_1$	1	9	$A_2$	99
5891.582759	5891.563425	19.334	$0.2096 \times 10^{-2}$	$0.2042 \times 10^{-2}$	2.665	10	$F_1$	2	9	$F_2$	286
5891.613970	5891.595935	18.035	$0.1450 \times 10^{-2}$	$0.1417 \times 10^{-2}$	2.308	10	$E$	2	9	$E$	192
5891.645029	5891.659655	-14.626	$0.2222 \times 10^{-2}$	$0.2104 \times 10^{-2}$	5.630	10	$F_2$	3	9	$F_1$	295
5891.663139	5891.672946	-9.807		$0.4801 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	112
5891.742290	5891.752600	-10.310	$0.1141 \times 10^{-2}$	$0.1099 \times 10^{-2}$	3.790	5	$E$	1	6	$E$	101
5891.754710	5891.759726	-5.016	$0.9898 \times 10^{-3}$	$0.1213 \times 10^{-2}$	-18.370	5	$F_1$	2	6	$F_2$	152
5891.766740	5891.774307	-7.567		$0.1969 \times 10^{-3}$		5	$F_1$	1	6	$F_2$	152
5891.796160	5891.789379	6.781	$0.4665 \times 10^{-2}$	$0.3854 \times 10^{-2}$	21.051	6	$A_2$	1	7	$A_1$	53
5892.278210	5892.281706	-3.496		$0.1776 \times 10^{-3}$		6	$F_2$	1	7	$F_1$	172
5892.929902	5892.913187	16.715	$0.1142 \times 10^{-3}$	$0.1378 \times 10^{-3}$	-17.104	3	$F_2$	1	4	$F_1$	107
5893.221624	5893.217588	4.036		$0.4075 \times 10^{-4}$		5	$F_2$	1	6	$F_1$	145
5893.399728	5893.406924	-7.196		$0.1087 \times 10^{-3}$		3	$F_1$	1	4	$F_2$	113
5893.503750	5893.513671	-9.921		$0.1751 \times 10^{-4}$		4	$F_1$	1	5	$F_2$	128
5893.863360	5893.867847	-4.487	$0.5876 \times 10^{-3}$	$0.4980 \times 10^{-3}$	18.001	5	$F_2$	1	6	$F_1$	146
5893.921514	5893.917410	4.104	$0.4090 \times 10^{-3}$	$0.3751 \times 10^{-3}$	9.025	5	$E$	1	6	$E$	102
5894.443398	5894.435735	7.663	$0.8969 \times 10^{-3}$	$0.8767 \times 10^{-3}$	2.303	5	$F_1$	2	6	$F_2$	153
5894.455000	5894.450315	4.685		$0.1344 \times 10^{-3}$		5	$F_1$	1	6	$F_2$	153
5895.123500	5895.124791	-1.291		$0.1266 \times 10^{-4}$		13	$F_1$	2	12	$F_2$	392
5896.120400	5896.115067	5.333	$0.5896 \times 10^{-5}$	$0.6382 \times 10^{-5}$	-7.620	2	$E$	1	3	$E$	62
5896.171940	5896.162248	9.692	$0.1422 \times 10^{-3}$	$0.1282 \times 10^{-3}$	10.957	3	$F_1$	1	4	$F_2$	114
5896.296631	5896.316523	-19.892		$0.9171 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	97
5896.754490	5896.738561	15.929		$0.1795 \times 10^{-4}$		6	$E$	1	7	$E$	113
5896.881470	5896.881376	0.094	$0.2652 \times 10^{-3}$	$0.2994 \times 10^{-3}$	-11.410	3	$F_1$	1	4	$F_2$	115
5896.963740	5896.957821	5.919	$0.5103 \times 10^{-4}$	$0.5968 \times 10^{-4}$	-14.496	3	$F_2$	1	4	$F_1$	109
5897.038500	5897.025121	13.379		$0.2725 \times 10^{-4}$		6	$F_2$	2	5	$F_1$	167
5897.200650	5897.193365	7.285	$0.2747 \times 10^{-4}$	$0.3365 \times 10^{-4}$	-18.358	6	$F_1$	1	5	$F_2$	160
5897.472360	5897.489391	-17.031		$0.7483 \times 10^{-4}$		6	$A_1$	1	5	$A_2$	57
5897.489080	5897.496893	-7.813		$0.4778 \times 10^{-4}$		4	$F_2$	1	5	$F_1$	136
5897.808500	5897.783657	24.843		$0.1526 \times 10^{-5}$		3	$F_2$	1	4	$F_1$	111
5897.939120	5897.944048	-4.928		$0.1826 \times 10^{-3}$		4	$F_1$	1	5	$F_2$	129
5898.191870	5898.178422	13.448		$0.5916 \times 10^{-3}$		4	$A_1$	1	5	$A_2$	46
5898.855500	5898.859769	-4.269		$0.1379 \times 10^{-4}$		5	$F_2$	1	6	$F_1$	149
5899.326962	5899.318480	8.482	$0.9384 \times 10^{-3}$	$0.8656 \times 10^{-3}$	8.413	4	$F_2$	1	5	$F_1$	137
5899.359300	5899.352748	6.552		$0.5048 \times 10^{-4}$		4	$A_1$	1	5	$A_2$	47
5899.971000	5899.924833	46.167	$0.7828 \times 10^{-3}$	$0.9592 \times 10^{-3}$	-18.392	3	$A_2$	1	4	$A_1$	42
5900.167960	5900.182829	-14.869	$0.4122 \times 10^{-3}$	$0.3994 \times 10^{-3}$	3.217	4	$E$	1	5	$E$	88
5900.316976	5900.324495	-7.519	$0.2219 \times 10^{-2}$	$0.2234 \times 10^{-2}$	-0.692	7	$F_1$	1	8	$F_2$	193
5900.458421	5900.458849	-0.428	$0.2018 \times 10^{-2}$	$0.2046 \times 10^{-2}$	-1.374	7	$F_2$	1	8	$F_1$	189
5900.492250	5900.495526	-3.276	$0.5465 \times 10^{-4}$	$0.5177 \times 10^{-4}$	5.553	13	$E$	2	12	$E$	263
5900.644780	5900.647935	-3.155	$0.6818 \times 10^{-4}$	$0.6765 \times 10^{-4}$	0.783	13	$F_2$	3	12	$F_1$	389
5900.899166	5900.915277	-16.111	$0.1314 \times 10^{-2}$	$0.1290 \times 10^{-2}$	1.891	6	$F_2$	2	7	$F_1$	175
5900.920000	5900.936993	-16.993	$0.2936 \times 10^{-3}$	$0.2352 \times 10^{-3}$	24.854	6	$F_2$	1	7	$F_1$	175
5900.989540	5900.986660	2.880	$0.1380 \times 10^{-3}$	$0.1364 \times 10^{-3}$	1.155	13	$A_2$	1	12	$A_1$	136
5901.240747	5901.250139	-9.392		$0.9617 \times 10^{-3}$		6	$F_1$	1	7	$F_2$	170

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5901.336430	5901.363764	-27.334	$0.2280 \times 10^{-3}$	$0.1574 \times 10^{-3}$	44.829	3	$F_1$	1	4	$F_2$	118
5901.530460	5901.531438	-0.978	$0.4359 \times 10^{-4}$	$0.5460 \times 10^{-4}$	-20.170	13	$F_2$	2	12	$F_1$	390
5901.591023	5901.609911	-18.888		$0.3794 \times 10^{-4}$		4	$F_2$	1	5	$F_1$	138
5901.640270	5901.633630	6.640	$0.4929 \times 10^{-4}$	$0.5990 \times 10^{-4}$	-17.714	13	$F_1$	3	12	$F_2$	395
5901.657000	5901.642134	14.866		$0.2024 \times 10^{-4}$		7	$F_1$	1	8	$F_2$	194
5902.054620	5902.072557	-17.937		$0.5429 \times 10^{-4}$		6	$F_1$	1	7	$F_2$	171
5902.221840	5902.224007	-2.167		$0.1575 \times 10^{-3}$		6	$E$	1	7	$E$	114
5902.291810	5902.266304	25.506		$0.1595 \times 10^{-3}$		3	$F_1$	1	4	$F_2$	119
5902.563300	5902.573179	-9.879		$0.1066 \times 10^{-3}$		4	$F_1$	1	5	$F_2$	132
5902.728110	5902.754434	-26.324	$0.5519 \times 10^{-4}$	$0.5207 \times 10^{-4}$	5.999	13	$A_1$	1	12	$A_2$	128
5902.793343	5902.802645	-9.302		$0.1759 \times 10^{-2}$		6	$A_1$	1	7	$A_2$	60
5902.949170	5902.918594	30.576	$0.4000 \times 10^{-2}$	$0.3508 \times 10^{-2}$	14.035	9	$F_1$	1	8	$F_2$	260
5902.964140	5902.923172	40.968	$0.3856 \times 10^{-2}$	$0.3512 \times 10^{-2}$	9.786	9	$F_2$	1	8	$F_1$	255
5903.103560	5903.118604	-15.044		$0.9132 \times 10^{-3}$		6	$A_2$	1	7	$A_1$	54
5903.158330	5903.167777	-9.447	$0.2454 \times 10^{-2}$	$0.2297 \times 10^{-2}$	6.847	9	$E$	1	8	$E$	174
5903.179570	5903.181369	-1.799	$0.3613 \times 10^{-2}$	$0.3427 \times 10^{-2}$	5.423	9	$F_1$	2	8	$F_2$	261
5903.286410	5903.225224	61.186	$0.5822 \times 10^{-2}$	$0.5759 \times 10^{-2}$	1.085	9	$A_1$	1	8	$A_2$	83
5903.337670	5903.316374	21.296	$0.3780 \times 10^{-2}$	$0.3408 \times 10^{-2}$	10.928	9	$F_1$	3	8	$F_2$	262
5903.362780	5903.346606	16.174	$0.3496 \times 10^{-2}$	$0.3419 \times 10^{-2}$	2.249	9	$F_2$	2	8	$F_1$	256
5903.384190	5903.371997	12.193	$0.5734 \times 10^{-2}$	$0.5691 \times 10^{-2}$	0.756	9	$A_2$	1	8	$A_1$	91
5903.633970	5903.640665	-6.695	$0.6299 \times 10^{-3}$	$0.6034 \times 10^{-3}$	4.389	6	$F_2$	2	7	$F_1$	177
5903.656390	5903.662382	-5.992		$0.1818 \times 10^{-3}$		6	$F_2$	1	7	$F_1$	177
5904.559301	5904.575312	-16.011		$0.3835 \times 10^{-4}$		4	$E$	1	5	$E$	90
5904.641443	5904.630237	11.206	$0.8817 \times 10^{-3}$	$0.7668 \times 10^{-3}$	14.982	6	$F_1$	1	7	$F_2$	172
5904.657985	5904.653687	4.298		$0.5008 \times 10^{-4}$		4	$F_2$	1	5	$F_1$	139
5905.125840	5905.112998	12.842	$0.1969 \times 10^{-4}$	$0.1755 \times 10^{-4}$	12.184	5	$E$	1	4	$E$	90
5905.162330	5905.137754	24.576		$0.2480 \times 10^{-3}$		6	$F_1$	1	7	$F_2$	173
5905.180000	5905.172915	7.085		$0.2763 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	136
5905.193760	5905.203273	-9.513		$0.1429 \times 10^{-3}$		4	$F_1$	1	5	$F_2$	133
5905.284340	5905.270996	13.344		$0.6607 \times 10^{-4}$		5	$F_1$	2	6	$F_2$	158
5905.296000	5905.285577	10.423		$0.9160 \times 10^{-5}$		5	$F_1$	1	6	$F_2$	158
5905.855502	5905.844522	10.980	$0.1469 \times 10^{-2}$	$0.1438 \times 10^{-2}$	2.165	6	$A_1$	1	7	$A_2$	61
5905.950961	5905.969445	-18.484		$0.2465 \times 10^{-5}$		5	$F_1$	1	4	$F_2$	137
5906.005163	5906.006545	-1.382		$0.5603 \times 10^{-4}$		5	$E$	1	6	$E$	105
5906.051000	5906.026449	24.551		$0.9303 \times 10^{-5}$		5	$F_2$	1	4	$F_1$	131
5906.298860	5906.333612	-34.752		$0.8130 \times 10^{-4}$		6	$F_2$	2	7	$F_1$	178
5906.612120	5906.650461	-38.341	$0.9937 \times 10^{-4}$	$0.9808 \times 10^{-4}$	1.316	4	$F_2$	1	5	$F_1$	140
5907.276350	5907.278466	-2.116		$0.3414 \times 10^{-4}$		9	$A_1$	1	10	$A_2$	77
5907.554460	5907.554048	0.412	$0.8389 \times 10^{-4}$	$0.8872 \times 10^{-4}$	-5.440	4	$E$	1	5	$E$	91
5907.776890	5907.717141	59.749		$0.2126 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	122
5907.919433	5907.926164	-6.731	$0.1320 \times 10^{-2}$	$0.1334 \times 10^{-2}$	-1.075	4	$A_1$	1	5	$A_2$	49
5907.978820	5908.003262	-24.442		$0.1851 \times 10^{-5}$		7	$A_2$	1	8	$A_1$	69
5908.409400	5908.415693	-6.293	$0.3019 \times 10^{-3}$	$0.3032 \times 10^{-3}$	-0.423	4	$F_1$	1	5	$F_2$	135
5908.914670	5908.913074	1.596	$0.2848 \times 10^{-2}$	$0.2922 \times 10^{-2}$	-2.528	8	$A_1$	1	9	$A_2$	73
5909.008691	5909.003900	4.791	$0.1590 \times 10^{-2}$	$0.1611 \times 10^{-2}$	-1.307	8	$F_1$	1	9	$F_2$	211
5909.098416	5909.089656	8.760	$0.1114 \times 10^{-2}$	$0.1085 \times 10^{-2}$	2.626	8	$E$	1	9	$E$	142
5909.129870	5909.140449	-10.579	$0.3799 \times 10^{-3}$	$0.4598 \times 10^{-3}$	-17.383	5	$F_1$	2	6	$F_2$	160
5909.226770	5909.235073	-8.303	$0.2698 \times 10^{-3}$	$0.2963 \times 10^{-3}$	-8.949	5	$E$	1	6	$E$	106
5909.396886	5909.408980	-12.094		$0.5043 \times 10^{-5}$		4	$F_2$	1	5	$F_1$	142
5910.064390	5910.083144	-18.754		$0.3013 \times 10^{-3}$		7	$E$	1	8	$E$	131

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5910.125101	5910.143183	-18.082	$0.2879 \times 10^{-2}$	$0.3120 \times 10^{-2}$	-7.715	7	$A_2$	1	8	$A_1$	70
5910.316101	5910.329578	-13.477	$0.9003 \times 10^{-3}$	$0.9701 \times 10^{-3}$	-7.196	7	$F_2$	2	8	$F_1$	192
5910.353740	5910.367597	-13.857	$0.9898 \times 10^{-4}$	$0.1025 \times 10^{-3}$	-3.440	7	$F_2$	1	8	$F_1$	192
5910.447000	5910.426244	20.756		$0.2141 \times 10^{-4}$		5	$F_1$	2	6	$F_2$	162
5910.462860	5910.440824	22.036	$0.1747 \times 10^{-3}$	$0.1375 \times 10^{-3}$	27.091	5	$F_1$	1	6	$F_2$	162
5910.801000	5910.790033	10.967		$0.1981 \times 10^{-5}$		8	$F_1$	1	9	$F_2$	213
5911.228360	5911.242391	-14.031		$0.2166 \times 10^{-3}$		7	$F_2$	1	8	$F_1$	193
5911.334460	5911.373804	-39.344		$0.3452 \times 10^{-4}$		4	$F_1$	1	5	$F_2$	136
5911.588300	5911.564943	23.357		$0.1624 \times 10^{-4}$		4	$F_1$	1	5	$F_2$	137
5911.611620	5911.614470	-2.850	$0.1962 \times 10^{-3}$	$0.2427 \times 10^{-3}$	-19.148	12	$A_1$	2	11	$A_2$	124
5911.701490	5911.692597	8.893		$0.1882 \times 10^{-3}$		7	$F_1$	2	8	$F_2$	197
5911.756916	5911.748288	8.628		$0.1211 \times 10^{-3}$		7	$F_1$	1	8	$F_2$	197
5911.798540	5911.799068	-0.528	$0.1134 \times 10^{-3}$	$0.1319 \times 10^{-3}$	-14.036	12	$F_1$	3	11	$F_2$	359
5911.984350	5911.982634	1.716	$0.1062 \times 10^{-3}$	$0.1137 \times 10^{-3}$	-6.619	12	$F_2$	3	11	$F_1$	364
5912.117690	5912.149927	-32.237	$0.3640 \times 10^{-3}$	$0.2243 \times 10^{-3}$	62.271	5	$F_1$	2	6	$F_2$	163
5912.312107	5912.284336	27.771	$0.5382 \times 10^{-3}$	$0.4913 \times 10^{-3}$	9.540	7	$E$	1	8	$E$	132
5912.378977	5912.347614	31.363	$0.2583 \times 10^{-3}$	$0.2987 \times 10^{-3}$	-13.537	7	$F_1$	2	8	$F_2$	198
5912.348612	5912.362521	-13.909	$0.2794 \times 10^{-3}$	$0.2400 \times 10^{-3}$	16.411	4	$E$	1	5	$E$	94
5912.434259	5912.403304	30.955		$0.1020 \times 10^{-3}$		7	$F_1$	1	8	$F_2$	198
5912.506780	5912.480944	25.836		$0.2036 \times 10^{-3}$		5	$F_2$	1	6	$F_1$	156
5912.755270	5912.759506	-4.236	$0.5991 \times 10^{-3}$	$0.5064 \times 10^{-3}$	18.305	7	$F_2$	2	8	$F_1$	194
5912.825950	5912.825484	0.466		$0.4119 \times 10^{-5}$		8	$A_1$	1	9	$A_2$	74
5913.597350	5913.584077	13.273		$0.2020 \times 10^{-4}$		4	$F_2$	1	3	$F_1$	107
5913.734790	5913.745121	-10.331		$0.2722 \times 10^{-3}$		4	$F_2$	1	5	$F_1$	145
5913.841000	5913.844052	-3.052		$0.5306 \times 10^{-4}$		12	$F_1$	2	11	$F_2$	360
5913.867870	5913.869749	-1.879		$0.5384 \times 10^{-4}$		12	$F_2$	1	11	$F_1$	366
5913.948440	5913.954312	-5.872		$0.3893 \times 10^{-5}$		4	$F_1$	1	3	$F_2$	102
5914.043297	5914.075569	-32.272		$0.5837 \times 10^{-5}$		4	$E$	1	3	$E$	69
5914.330860	5914.324382	6.478		$0.2707 \times 10^{-3}$		6	$A_1$	1	7	$A_2$	63
5914.384560	5914.364929	19.631		$0.1304 \times 10^{-3}$		4	$F_2$	1	5	$F_1$	146
5914.752330	5914.740039	12.291		$0.8577 \times 10^{-2}$		8	$A_1$	1	7	$A_2$	80
5914.768360	5914.749117	19.243	$0.5260 \times 10^{-2}$	$0.5145 \times 10^{-2}$	2.232	8	$F_1$	1	7	$F_2$	226
5914.776810	5914.754306	22.504	$0.3464 \times 10^{-2}$	$0.3430 \times 10^{-2}$	0.990	8	$E$	1	7	$E$	151
5914.917850	5914.928609	-10.759	$0.5186 \times 10^{-2}$	$0.5085 \times 10^{-2}$	1.995	8	$F_2$	1	7	$F_1$	231
5915.000650	5914.983337	17.313	$0.5282 \times 10^{-2}$	$0.5077 \times 10^{-2}$	4.030	8	$F_1$	2	7	$F_2$	227
5915.045150	5915.043457	1.693		$0.3372 \times 10^{-2}$		8	$E$	2	7	$E$	152
5915.061900	5915.059873	2.027	$0.4861 \times 10^{-2}$	$0.5055 \times 10^{-2}$	-3.842	8	$F_2$	2	7	$F_1$	232
5915.645220	5915.611391	33.829	$0.7665 \times 10^{-4}$	$0.6126 \times 10^{-4}$	25.114	5	$F_2$	1	6	$F_1$	158
5915.755110	5915.763377	-8.267		$0.1380 \times 10^{-3}$		6	$F_2$	2	7	$F_1$	183
5915.775000	5915.785093	-10.093		$0.2909 \times 10^{-4}$		6	$F_2$	1	7	$F_1$	183
5915.788690	5915.791901	-3.211	$0.1282 \times 10^{-3}$	$0.1355 \times 10^{-3}$	-5.401	6	$F_1$	1	7	$F_2$	179
5915.966110	5916.028368	-62.258		$0.1011 \times 10^{-4}$		8	$E$	2	9	$E$	143
5916.586840	5916.575958	10.882	$0.3205 \times 10^{-3}$	$0.2922 \times 10^{-3}$	9.696	7	$F_1$	2	8	$F_2$	200
5916.642634	5916.631649	10.985		$0.1410 \times 10^{-4}$		7	$F_1$	1	8	$F_2$	200
5917.620685	5917.627016	-6.331		$0.1107 \times 10^{-2}$		9	$F_1$	1	10	$F_2$	240
5917.696054	5917.705969	-9.915	$0.1153 \times 10^{-2}$	$0.1135 \times 10^{-2}$	1.548	9	$F_2$	1	10	$F_1$	233
5918.179610	5918.190024	-10.414	$0.1801 \times 10^{-4}$	$0.1841 \times 10^{-4}$	-2.193	11	$F_1$	3	10	$F_2$	331
5918.439000	5918.444228	-5.228		$0.2318 \times 10^{-4}$		5	$F_1$	2	6	$F_2$	166
5918.455600	5918.458809	-3.209	$0.5769 \times 10^{-3}$	$0.5202 \times 10^{-3}$	10.902	5	$F_1$	1	6	$F_2$	166
5918.524680	5918.534033	-9.353	$0.2904 \times 10^{-4}$	$0.2642 \times 10^{-4}$	9.935	11	$F_1$	1	10	$F_2$	331

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5919.530650	5919.583125	-52.475	$0.6400 \times 10^{-4}$	$0.7192 \times 10^{-4}$	-11.014	5	$E$	1	6	$E$	110
5919.628797	5919.650220	-21.423	$0.8286 \times 10^{-3}$	$0.9267 \times 10^{-3}$	-10.586	8	$F_2$	1	9	$F_1$	222
5919.955550	5919.970557	-15.007	$0.3393 \times 10^{-3}$	$0.3669 \times 10^{-3}$	-7.529	8	$F_1$	2	9	$F_2$	216
5920.026155	5920.041615	-15.460		$0.1544 \times 10^{-3}$		8	$F_1$	1	9	$F_2$	216
5920.674488	5920.657792	16.696	$0.7256 \times 10^{-3}$	$0.5000 \times 10^{-3}$	45.133	6	$A_1$	1	7	$A_2$	65
5920.797742	5920.796165	1.577	$0.3080 \times 10^{-3}$	$0.2876 \times 10^{-3}$	7.104	8	$F_2$	1	9	$F_1$	223
5920.887730	5920.914618	-26.888		$0.3948 \times 10^{-3}$		4	$A_1$	1	5	$A_2$	51
5921.205560	5921.189513	16.047		$0.8128 \times 10^{-5}$		11	$F_1$	2	10	$F_2$	332
5921.358500	5921.354785	3.715		$0.1150 \times 10^{-3}$		5	$F_2$	1	6	$F_1$	161
5922.520620	5922.506532	14.088		$0.2011 \times 10^{-4}$		3	$A_2$	1	2	$A_1$	28
5922.656880	5922.656462	0.418		$0.5985 \times 10^{-5}$		3	$F_2$	1	2	$F_1$	71
5923.235980	5923.236101	-0.121	$0.1287 \times 10^{-3}$	$0.1277 \times 10^{-3}$	0.794	11	$E$	2	10	$E$	221
5923.258710	5923.259952	-1.242	$0.1112 \times 10^{-3}$	$0.1135 \times 10^{-3}$	-2.041	5	$F_2$	1	6	$F_1$	162
5923.316000	5923.304281	11.719		$0.5427 \times 10^{-5}$		5	$F_1$	2	6	$F_2$	168
5923.330830	5923.318861	11.969	$0.4553 \times 10^{-4}$	$0.4761 \times 10^{-4}$	-4.359	5	$F_1$	1	6	$F_2$	168
5923.946720	5923.937680	9.040	$0.1604 \times 10^{-3}$	$0.1592 \times 10^{-3}$	0.730	11	$F_1$	2	10	$F_2$	334
5924.628170	5924.685248	-57.078		$0.1473 \times 10^{-3}$		6	$A_2$	1	7	$A_1$	60
5924.900672	5924.889924	10.748		$0.5549 \times 10^{-4}$		11	$E$	1	10	$E$	222
5924.917786	5924.906073	11.713		$0.8422 \times 10^{-4}$		11	$F_2$	2	10	$F_1$	326
5924.946023	5924.933397	12.626		$0.1465 \times 10^{-3}$		11	$A_2$	1	10	$A_1$	114
5924.960873	5924.952205	8.668	$0.3063 \times 10^{-3}$	$0.2923 \times 10^{-3}$	4.783	8	$F_1$	2	9	$F_2$	219
5925.022213	5925.023264	-1.051		$0.7579 \times 10^{-5}$		8	$F_1$	1	9	$F_2$	219
5925.177233	5925.191394	-14.161		$0.7039 \times 10^{-4}$		5	$F_2$	1	6	$F_1$	164
5925.863250	5925.861274	1.976	$0.1813 \times 10^{-3}$	$0.1814 \times 10^{-3}$	-0.082	8	$F_2$	2	9	$F_1$	225
5926.466350	5926.460452	5.898	$0.7427 \times 10^{-2}$	$0.7022 \times 10^{-2}$	5.765	7	$F_1$	1	6	$F_2$	201
5926.484000	5926.474524	9.476	$0.7202 \times 10^{-2}$	$0.7018 \times 10^{-2}$	2.628	7	$F_2$	1	6	$F_1$	193
5926.575350	5926.587807	-12.457	$0.1177 \times 10^{-1}$	$0.1161 \times 10^{-1}$	1.382	7	$A_2$	1	6	$A_1$	70
5926.624650	5926.629675	-5.025	$0.6627 \times 10^{-2}$	$0.6954 \times 10^{-2}$	-4.705	7	$F_2$	2	6	$F_1$	194
5926.647230	5926.652534	-5.304		$0.4632 \times 10^{-2}$		7	$E$	1	6	$E$	133
5926.677750	5926.688661	-10.911	$0.6750 \times 10^{-2}$	$0.6935 \times 10^{-2}$	-2.665	7	$F_1$	2	6	$F_2$	202
5927.716940	5927.706698	10.242		$0.2657 \times 10^{-4}$		6	$F_2$	2	7	$F_1$	190
5927.822450	5927.813792	8.658		$0.7585 \times 10^{-4}$		7	$F_2$	2	8	$F_1$	205
5927.860730	5927.851811	8.919		$0.6919 \times 10^{-4}$		7	$F_2$	1	8	$F_1$	205
5928.445170	5928.449664	-4.494		$0.8833 \times 10^{-4}$		9	$F_1$	2	10	$F_2$	243
5928.531290	5928.537986	-6.696		$0.9133 \times 10^{-4}$		9	$F_1$	1	10	$F_2$	243
5928.608960	5928.608175	0.785	$0.4254 \times 10^{-4}$	$0.3588 \times 10^{-4}$	18.562	5	$E$	1	6	$E$	114
5928.723140	5928.699639	23.501	$0.7192 \times 10^{-4}$	$0.7175 \times 10^{-4}$	0.242	6	$F_2$	2	7	$F_1$	191
5928.743142	5928.721355	21.787	$0.2921 \times 10^{-3}$	$0.2309 \times 10^{-3}$	26.494	6	$F_2$	1	7	$F_1$	191
5928.859870	5928.864253	-4.383	$0.2299 \times 10^{-3}$	$0.2079 \times 10^{-3}$	10.558	6	$E$	1	7	$E$	125
5929.121700	5929.150991	-29.291	$0.4883 \times 10^{-3}$	$0.5245 \times 10^{-3}$	-6.898	9	$E$	1	10	$E$	163
5929.384080	5929.372604	11.476		$0.6458 \times 10^{-5}$		5	$F_2$	1	6	$F_1$	167
5929.535880	5929.484562	51.318		$0.2069 \times 10^{-4}$		9	$F_1$	3	10	$F_2$	244
5929.584040	5929.534282	49.758	$0.4318 \times 10^{-3}$	$0.5787 \times 10^{-3}$	-25.382	9	$F_1$	2	10	$F_2$	244
5929.665160	5929.663327	1.833		$0.7158 \times 10^{-4}$		9	$F_1$	3	10	$F_2$	245
5929.711960	5929.713047	-1.087		$0.4784 \times 10^{-4}$		9	$F_1$	2	10	$F_2$	245
5929.962251	5929.945006	17.245	$0.1019 \times 10^{-2}$	$0.1069 \times 10^{-2}$	-4.699	9	$A_1$	1	10	$A_2$	79
5930.310260	5930.315275	-5.015	$0.2251 \times 10^{-4}$	$0.2342 \times 10^{-4}$	-3.897	10	$E$	2	9	$E$	196
5930.412730	5930.415806	-3.076	$0.3582 \times 10^{-4}$	$0.3751 \times 10^{-4}$	-4.508	10	$F_2$	1	9	$F_1$	301
5930.524890	5930.501350	23.540		$0.9449 \times 10^{-4}$		7	$F_1$	2	8	$F_2$	211
5930.595090	5930.632743	-37.653		$0.1135 \times 10^{-3}$		7	$A_2$	1	8	$A_1$	74



Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5930.774890	5930.781836	-6.946	$0.6118 \times 10^{-4}$	$0.5610 \times 10^{-4}$	9.048	10	$F_1$	2	9	$F_2$	293
5930.851470	5930.857316	-5.846		$0.4126 \times 10^{-4}$		10	$F_1$	1	9	$F_2$	293
5931.312120	5931.328183	-16.063	$0.1066 \times 10^{-3}$	$0.4863 \times 10^{-4}$	119.186	7	$F_2$	2	8	$F_1$	208
5931.348800	5931.366202	-17.402		$0.2361 \times 10^{-5}$		7	$F_2$	1	8	$F_1$	208
5931.967180	5931.955239	11.941		$0.3179 \times 10^{-3}$		9	$F_1$	3	10	$F_2$	246
5932.017010	5932.004959	12.051		$0.8925 \times 10^{-4}$		9	$F_1$	2	10	$F_2$	246
5932.094270	5932.084827	9.443		$0.2510 \times 10^{-3}$		9	$F_2$	2	10	$F_1$	239
5932.746370	5932.781975	-35.605		$0.4518 \times 10^{-4}$		6	$E$	1	7	$E$	126
5933.716735	5933.699625	17.110		$0.9949 \times 10^{-3}$		9	$A_2$	1	10	$A_1$	84
5933.943160	5933.916879	26.281		$0.5347 \times 10^{-4}$		6	$A_1$	1	7	$A_2$	67
5934.447960	5934.453779	-5.819		$0.2816 \times 10^{-3}$		10	$F_2$	3	9	$F_1$	303
5934.626850	5934.680823	-53.973		$0.3556 \times 10^{-3}$		5	$F_2$	1	6	$F_1$	172
5934.775460	5934.763158	12.302	$0.7293 \times 10^{-4}$	$0.6990 \times 10^{-4}$	4.334	7	$F_1$	1	8	$F_2$	214
5934.817340	5934.818225	-0.885	$0.1590 \times 10^{-3}$	$0.1477 \times 10^{-3}$	7.622	10	$E$	2	9	$E$	198
5934.934770	5934.931132	3.638		$0.2027 \times 10^{-3}$		10	$F_1$	2	9	$F_2$	295
5935.006775	5935.006612	0.163		$0.2338 \times 10^{-4}$		10	$F_1$	1	9	$F_2$	295
5935.117558	5935.110334	7.224	$0.3811 \times 10^{-3}$	$0.3851 \times 10^{-3}$	-1.027	10	$A_1$	1	9	$A_2$	102
5935.917200	5935.902894	14.306	$0.1132 \times 10^{-3}$	$0.1175 \times 10^{-3}$	-3.632	10	$F_1$	1	9	$F_2$	296
5935.955850	5935.939065	16.785	$0.1256 \times 10^{-3}$	$0.1286 \times 10^{-3}$	-2.348	10	$F_2$	2	9	$F_1$	304
5937.226020	5937.229008	-2.988	$0.2064 \times 10^{-3}$	$0.2008 \times 10^{-3}$	2.778	10	$F_2$	2	11	$F_1$	267
5937.341890	5937.346428	-4.538		$0.4534 \times 10^{-4}$		10	$F_2$	1	11	$F_1$	267
5937.642540	5937.647143	-4.603	$0.6258 \times 10^{-4}$	$0.3999 \times 10^{-4}$	56.495	8	$E$	2	9	$E$	155
5937.727290	5937.732785	-5.495		$0.2046 \times 10^{-4}$		8	$E$	1	9	$E$	155
5938.057270	5938.056981	0.289	$0.6214 \times 10^{-2}$	$0.5914 \times 10^{-2}$	5.076	6	$E$	1	5	$E$	111
5938.065550	5938.065478	0.072	$0.8734 \times 10^{-2}$	$0.8866 \times 10^{-2}$	-1.489	6	$F_2$	1	5	$F_1$	172
5938.094640	5938.091874	2.766	$0.1567 \times 10^{-1}$	$0.1476 \times 10^{-1}$	6.176	6	$A_2$	1	5	$A_1$	53
5938.168070	5938.179193	-11.123	$0.9480 \times 10^{-2}$	$0.8807 \times 10^{-2}$	7.643	6	$F_2$	2	5	$F_1$	173
5938.190100	5938.203644	-13.544	$0.8878 \times 10^{-2}$	$0.8798 \times 10^{-2}$	0.906	6	$F_1$	1	5	$F_2$	164
5938.208200	5938.225213	-17.013	$0.1450 \times 10^{-1}$	$0.1465 \times 10^{-1}$	-1.031	6	$A_1$	1	5	$A_2$	58
5941.211220	5941.209536	1.684	$0.2708 \times 10^{-4}$	$0.2439 \times 10^{-4}$	11.014	9	$A_2$	1	8	$A_1$	93
5941.670620	5941.679467	-8.847	$0.2283 \times 10^{-3}$	$0.2573 \times 10^{-3}$	-11.264	10	$F_1$	2	11	$F_2$	264
5941.745820	5941.754947	-9.127	$0.4367 \times 10^{-4}$	$0.3871 \times 10^{-4}$	12.814	10	$F_1$	1	11	$F_2$	264
5942.102600	5942.101586	1.014	$0.2522 \times 10^{-4}$	$0.2271 \times 10^{-4}$	11.036	9	$F_2$	2	8	$F_1$	262
5942.246200	5942.246301	-0.101	$0.5010 \times 10^{-4}$	$0.5678 \times 10^{-4}$	-11.772	9	$F_2$	1	8	$F_1$	262
5942.432060	5942.433210	-1.150	$0.4019 \times 10^{-4}$	$0.3590 \times 10^{-4}$	11.957	9	$F_1$	1	8	$F_2$	267
5942.494380	5942.505807	-11.427	$0.7772 \times 10^{-4}$	$0.5226 \times 10^{-4}$	48.718	9	$F_2$	2	10	$F_1$	249
5942.593780	5942.598703	-4.923	$0.2207 \times 10^{-3}$	$0.2161 \times 10^{-3}$	2.107	9	$A_1$	1	8	$A_2$	85
5943.871020	5943.868341	2.679		$0.1821 \times 10^{-4}$		9	$F_1$	3	8	$F_2$	268
5943.919980	5943.918061	1.919	$0.2432 \times 10^{-4}$	$0.2462 \times 10^{-4}$	-1.214	9	$F_1$	2	8	$F_2$	268
5944.007380	5944.006383	0.997	$0.1544 \times 10^{-4}$	$0.1547 \times 10^{-4}$	-0.215	9	$F_1$	1	8	$F_2$	268
5944.172800	5944.172407	0.393	$0.3131 \times 10^{-4}$	$0.2782 \times 10^{-4}$	12.536	9	$E$	1	8	$E$	179
5945.241980	5945.279521	-37.541		$0.1072 \times 10^{-4}$		7	$F_1$	2	8	$F_2$	220
5945.687720	5945.698441	-10.721	$0.5813 \times 10^{-3}$	$0.6123 \times 10^{-3}$	-5.058	9	$A_2$	1	8	$A_1$	94
5945.924820	5945.931067	-6.247	$0.2987 \times 10^{-3}$	$0.3103 \times 10^{-3}$	-3.725	9	$F_2$	2	8	$F_1$	264
5946.090961	5946.095239	-4.278	$0.2681 \times 10^{-3}$	$0.2733 \times 10^{-3}$	-1.885	9	$F_1$	3	8	$F_2$	269
5946.140830	5946.144958	-4.128	$0.3288 \times 10^{-4}$	$0.2725 \times 10^{-4}$	20.664	9	$F_1$	2	8	$F_2$	269
5946.161690	5946.158321	3.369	$0.1301 \times 10^{-3}$	$0.1209 \times 10^{-3}$	7.594	8	$A_1$	1	9	$A_2$	81
5946.847649	5946.838573	9.076		$0.2737 \times 10^{-3}$		9	$A_1$	1	8	$A_2$	86
5946.918176	5946.905862	12.314	$0.1475 \times 10^{-3}$	$0.1655 \times 10^{-3}$	-10.856	9	$F_1$	2	8	$F_2$	270
5946.943063	5946.929575	13.488	$0.9825 \times 10^{-4}$	$0.1190 \times 10^{-3}$	-17.431	9	$E$	1	8	$E$	180

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5948.141780	5948.129559	12.221		$0.8196 \times 10^{-5}$		11	$F_2$	2	12	$F_1$	284
5948.609470	5948.544005	65.465		$0.7821 \times 10^{-3}$		6	$A_2$	1	7	$A_1$	65
5949.527240	5949.528842	-1.602	$0.1050 \times 10^{-1}$	$0.1028 \times 10^{-1}$	2.173	5	$F_1$	1	4	$F_2$	139
5949.552530	5949.556176	-3.646	$0.1062 \times 10^{-1}$	$0.1026 \times 10^{-1}$	3.490	5	$F_2$	1	4	$F_1$	134
5949.608140	5949.621516	-13.376	$0.6869 \times 10^{-2}$	$0.6813 \times 10^{-2}$	0.824	5	$E$	1	4	$E$	93
5949.619160	5949.634757	-15.597	$0.1019 \times 10^{-1}$	$0.1021 \times 10^{-1}$	-0.244	5	$F_1$	2	4	$F_2$	140
5950.665610	5950.737599	-71.989	$0.3166 \times 10^{-4}$	$0.2932 \times 10^{-4}$	7.970	12	$A_1$	2	11	$A_2$	129
5951.098350	5951.072258	26.092		$0.4135 \times 10^{-4}$		12	$A_2$	1	11	$A_1$	121
5953.048940	5953.058621	-9.681		$0.8056 \times 10^{-6}$		1	$F_1$	1	1	$F_2$	42
5953.982188	5953.978159	4.029		$0.2255 \times 10^{-4}$		8	$E$	2	7	$E$	155
5954.068200	5954.063801	4.399	$0.4859 \times 10^{-4}$	$0.4744 \times 10^{-4}$	2.416	8	$E$	1	7	$E$	155
5954.091376	5954.090908	0.468		$0.3655 \times 10^{-5}$		2	$F_2$	1	2	$F_1$	71
5954.096620	5954.095071	1.549	$0.9563 \times 10^{-4}$	$0.7323 \times 10^{-4}$	30.581	8	$F_1$	2	7	$F_2$	232
5954.168370	5954.166129	2.241	$0.4492 \times 10^{-4}$	$0.4680 \times 10^{-4}$	-4.016	8	$F_1$	1	7	$F_2$	232
5954.230499	5954.248342	-17.843		$0.4880 \times 10^{-5}$		2	$E$	1	2	$E$	51
5955.234190	5955.240430	-6.240		$0.9403 \times 10^{-4}$		8	$A_1$	1	7	$A_2$	82
5955.458900	5955.468815	-9.915	$0.4673 \times 10^{-4}$	$0.5304 \times 10^{-4}$	-11.890	8	$F_1$	2	7	$F_2$	233
5955.499161	5955.487236	11.925		$0.7452 \times 10^{-5}$		3	$F_2$	1	3	$F_1$	107
5955.701850	5955.709796	-7.946		$0.2830 \times 10^{-4}$		8	$F_2$	2	7	$F_1$	238
5955.741420	5955.750191	-8.771	$0.2808 \times 10^{-4}$	$0.2861 \times 10^{-4}$	-1.863	8	$F_2$	1	7	$F_1$	238
5955.848420	5955.853226	-4.806	$0.2059 \times 10^{-4}$	$0.1877 \times 10^{-4}$	9.711	3	$F_1$	1	3	$F_2$	102
5956.127490	5956.180744	-53.254	$0.3819 \times 10^{-5}$	$0.3776 \times 10^{-5}$	1.148	3	$F_2$	1	3	$F_1$	108
5957.080130	5957.090963	-10.833	$0.3909 \times 10^{-3}$	$0.3735 \times 10^{-3}$	4.649	8	$F_2$	2	7	$F_1$	239
5957.174700	5957.182759	-8.059	$0.2515 \times 10^{-3}$	$0.2440 \times 10^{-3}$	3.072	8	$E$	2	7	$E$	156
5957.484724	5957.474146	10.578		$0.1567 \times 10^{-4}$		4	$E$	1	4	$E$	90
5957.544677	5957.537116	7.561		$0.1831 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	136
5957.814950	5957.811284	3.666	$0.1977 \times 10^{-3}$	$0.2104 \times 10^{-3}$	-6.036	8	$F_1$	2	7	$F_2$	234
5957.898620	5957.892102	6.518	$0.2160 \times 10^{-3}$	$0.2263 \times 10^{-3}$	-4.533	8	$F_2$	1	7	$F_1$	240
5958.146040	5958.136840	9.200	$0.8054 \times 10^{-4}$	$0.7390 \times 10^{-4}$	8.984	4	$A_1$	1	4	$A_2$	42
5958.170000	5958.168763	1.237		$0.7148 \times 10^{-5}$		11	$F_1$	3	10	$F_2$	346
5958.299029	5958.319066	-20.037		$0.1668 \times 10^{-4}$		4	$F_1$	1	4	$F_2$	137
5958.450530	5958.453491	-2.961	$0.1986 \times 10^{-4}$	$0.1836 \times 10^{-4}$	8.146	11	$F_2$	3	10	$F_1$	339
5958.886470	5958.909803	-23.333		$0.2214 \times 10^{-4}$		7	$F_2$	2	8	$F_1$	221
5958.924440	5958.947822	-23.382		$0.1720 \times 10^{-4}$		7	$F_2$	1	8	$F_1$	221
5959.804000	5959.827953	-23.953		$0.3482 \times 10^{-4}$		11	$F_1$	2	10	$F_2$	348
5959.849110	5959.833945	15.165	$0.4602 \times 10^{-4}$	$0.4574 \times 10^{-4}$	0.618	5	$F_2$	1	5	$F_1$	167
5960.002000	5959.995694	6.306		$0.2851 \times 10^{-5}$		5	$F_1$	2	5	$F_2$	160
5960.015630	5960.010274	5.356	$0.3320 \times 10^{-4}$	$0.2988 \times 10^{-4}$	11.107	5	$F_1$	1	5	$F_2$	160
5960.866970	5960.867016	-0.046	$0.1833 \times 10^{-1}$	$0.1790 \times 10^{-1}$	2.385	4	$A_1$	1	3	$A_2$	40
5960.884600	5960.887609	-3.009		$0.1073 \times 10^{-1}$		4	$F_1$	1	3	$F_2$	105
5960.896650	5960.902581	-5.931		$0.7146 \times 10^{-2}$		4	$E$	1	3	$E$	70
5960.933308	5960.944903	-11.595	$0.1033 \times 10^{-1}$	$0.1069 \times 10^{-1}$	-3.361	4	$F_2$	1	3	$F_1$	110
5961.279030	5961.210368	68.662		$0.5931 \times 10^{-5}$		5	$F_2$	1	5	$F_1$	169
5961.207297	5961.269042	-61.745	$0.3190 \times 10^{-5}$	$0.2873 \times 10^{-5}$	11.025	5	$F_1$	2	5	$F_2$	162
5961.718900	5961.744085	-25.185		$0.4089 \times 10^{-3}$		7	$A_2$	1	8	$A_1$	80
5962.330320	5962.341057	-10.737	$0.1169 \times 10^{-3}$	$0.1229 \times 10^{-3}$	-4.880	6	$A_2$	1	6	$A_1$	68
5962.409464	5962.409679	-0.215		$0.3798 \times 10^{-5}$		4	$F_2$	1	3	$F_1$	111
5962.539000	5962.544869	-5.869		$0.9094 \times 10^{-5}$		6	$F_2$	2	6	$F_1$	189
5962.561760	5962.566585	-4.825	$0.5277 \times 10^{-4}$	$0.5281 \times 10^{-4}$	-0.077	6	$F_2$	1	6	$F_1$	189
5964.931100	5964.917307	13.793	$0.1843 \times 10^{-4}$	$0.1774 \times 10^{-4}$	3.902	6	$F_2$	2	6	$F_1$	191

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5964.952750	5964.939024	13.726	$0.3474 \times 10^{-4}$	$0.2585 \times 10^{-4}$	34.368	6	$F_2$	1	6	$F_1$	191
5965.456560	5965.455036	1.524	$0.4347 \times 10^{-4}$	$0.3982 \times 10^{-4}$	9.171	10	$F_1$	1	9	$F_2$	306
5965.741181	5965.728864	12.317	$0.5326 \times 10^{-4}$	$0.7540 \times 10^{-5}$	606.365	10	$A_1$	1	9	$A_2$	106
5965.768091	5965.760146	7.945	$0.5250 \times 10^{-4}$	$0.5402 \times 10^{-4}$	-2.816	7	$F_2$	2	6	$F_1$	198
5965.807141	5965.798164	8.977	$0.7280 \times 10^{-4}$	$0.7475 \times 10^{-4}$	-2.610	7	$F_2$	1	6	$F_1$	198
5966.050000	5966.041375	8.625		$0.9945 \times 10^{-5}$		10	$F_1$	2	9	$F_2$	307
5966.739132	5966.755807	-16.675		$0.5996 \times 10^{-4}$		7	$F_1$	1	6	$F_2$	207
5966.990115	5967.003572	-13.457		$0.6740 \times 10^{-4}$		7	$E$	1	6	$E$	137
5967.276220	5967.289937	-13.717	$0.2958 \times 10^{-4}$	$0.3428 \times 10^{-4}$	-13.705	7	$F_2$	2	6	$F_1$	199
5967.311550	5967.327956	-16.406		$0.6215 \times 10^{-5}$		7	$F_2$	1	6	$F_1$	199
5967.793470	5967.792659	0.811		$0.4579 \times 10^{-4}$		10	$F_1$	2	9	$F_2$	309
5968.231120	5968.241827	-10.707	$0.3926 \times 10^{-3}$	$0.4135 \times 10^{-3}$	-5.063	7	$F_1$	2	6	$F_2$	208
5968.581967	5968.625597	-43.630	$0.4377 \times 10^{-4}$	$0.3646 \times 10^{-4}$	20.047	7	$F_1$	1	7	$F_2$	223
5968.718270	5968.720559	-2.289	$0.1745 \times 10^{-3}$	$0.1653 \times 10^{-3}$	5.540	7	$E$	1	6	$E$	138
5968.774330	5968.775654	-1.324	$0.2218 \times 10^{-3}$	$0.2492 \times 10^{-3}$	-11.010	7	$F_2$	2	6	$F_1$	200
5968.811370	5968.840703	-29.333		$0.4154 \times 10^{-5}$		9	$E$	1	8	$E$	183
5968.856670	5968.857250	-0.580	$0.4037 \times 10^{-3}$	$0.4455 \times 10^{-3}$	-9.378	7	$A_2$	1	6	$A_1$	72
5968.937380	5968.933795	3.585	$0.3567 \times 10^{-4}$	$0.2216 \times 10^{-4}$	60.999	7	$F_2$	2	7	$F_1$	228
5968.976850	5968.971814	5.036	$0.4670 \times 10^{-4}$	$0.2601 \times 10^{-4}$	79.551	7	$F_2$	1	7	$F_1$	228
5969.147030	5969.133190	13.840	$0.5179 \times 10^{-4}$	$0.4813 \times 10^{-4}$	7.607	10	$F_2$	3	9	$F_1$	318
5969.621370	5969.562219	59.151		$0.8904 \times 10^{-4}$		7	$A_2$	1	7	$A_1$	71
5970.878000	5970.890691	-12.691		$0.1260 \times 10^{-5}$		9	$F_1$	3	8	$F_2$	276
5972.095210	5972.095431	-0.221	$0.9905 \times 10^{-2}$	$0.9769 \times 10^{-2}$	1.394	3	$F_1$	1	2	$F_2$	80
5972.111780	5972.115477	-3.697	$0.9494 \times 10^{-2}$	$0.9755 \times 10^{-2}$	-2.672	3	$F_2$	1	2	$F_1$	72
5972.133740	5972.140560	-6.820	$0.1630 \times 10^{-1}$	$0.1624 \times 10^{-1}$	0.400	3	$A_2$	1	2	$A_1$	29
5973.158770	5973.137955	20.815		$0.1105 \times 10^{-3}$		8	$E$	2	9	$E$	167
5973.244140	5973.223598	20.542	$0.6625 \times 10^{-4}$	$0.2410 \times 10^{-4}$	174.848	8	$E$	1	9	$E$	167
5975.717920	5975.713007	4.913		$0.3548 \times 10^{-5}$		9	$F_1$	3	8	$F_2$	282
5975.854000	5975.851048	2.952		$0.2252 \times 10^{-6}$		9	$F_1$	1	8	$F_2$	282
5976.338590	5976.345147	-6.557		$0.1291 \times 10^{-6}$		9	$F_2$	2	8	$F_1$	275
5976.473230	5976.455427	17.803	$0.4254 \times 10^{-4}$	$0.2439 \times 10^{-4}$	74.432	9	$A_1$	1	8	$A_2$	91
5976.605290	5976.591311	13.979	$0.1021 \times 10^{-3}$	$0.7208 \times 10^{-4}$	41.648	9	$F_1$	3	8	$F_2$	283
5976.895710	5976.879053	16.657		$0.7219 \times 10^{-4}$		9	$F_2$	2	8	$F_1$	276
5976.954096	5976.943619	10.477		$0.1278 \times 10^{-4}$		6	$F_1$	1	5	$F_2$	168
5977.067229	5977.058292	8.937		$0.2170 \times 10^{-4}$		6	$F_2$	2	5	$F_1$	176
5977.088752	5977.080008	8.744		$0.1406 \times 10^{-4}$		6	$F_2$	1	5	$F_1$	176
5977.402360	5977.388919	13.441	$0.2206 \times 10^{-3}$	$0.2175 \times 10^{-3}$	1.439	6	$A_2$	1	5	$A_1$	54
5978.019150	5978.018577	0.573	$0.2391 \times 10^{-3}$	$0.2655 \times 10^{-4}$	800.545	8	$A_1$	1	7	$A_2$	84
5978.048425	5978.060698	-12.273		$0.3001 \times 10^{-4}$		6	$F_2$	2	5	$F_1$	177
5978.063240	5978.062041	1.199	$0.1418 \times 10^{-3}$	$0.1337 \times 10^{-4}$	960.378	8	$F_1$	1	7	$F_2$	237
5978.068500	5978.082415	-13.915		$0.5030 \times 10^{-4}$		6	$F_2$	1	5	$F_1$	177
5978.143640	5978.137554	6.086	$0.9257 \times 10^{-4}$	$0.1427 \times 10^{-4}$	548.611	8	$E$	1	7	$E$	159
5978.350210	5978.364540	-14.330	$0.4866 \times 10^{-4}$	$0.3881 \times 10^{-4}$	25.371	6	$E$	1	5	$E$	114
5978.500000	5978.489515	10.485		$0.2380 \times 10^{-4}$		10	$A_1$	1	9	$A_2$	109
5978.608000	5978.620371	-12.371		$0.7945 \times 10^{-4}$		6	$F_1$	1	5	$F_2$	169
5979.300740	5979.309634	-8.894	$0.6170 \times 10^{-3}$	$0.6776 \times 10^{-3}$	-8.941	6	$A_1$	1	5	$A_2$	60
5979.599000	5979.605646	-6.646	$0.2461 \times 10^{-3}$	$0.2710 \times 10^{-3}$	-9.178	6	$F_1$	1	5	$F_2$	170
5979.708030	5979.713466	-5.436	$0.2307 \times 10^{-3}$	$0.2620 \times 10^{-3}$	-11.944	6	$F_2$	2	5	$F_1$	178
5979.730000	5979.735182	-5.182		$0.1164 \times 10^{-4}$		6	$F_2$	1	5	$F_1$	178
5981.821120	5981.823916	-2.796		$0.1648 \times 10^{-3}$		10	$A_2$	1	10	$A_1$	108

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5983.183530	5983.181148	2.382	$0.4685 \times 10^{-2}$	$0.4724 \times 10^{-2}$	-0.828	2	$E$	1	1	$E$	30
5983.193690	5983.192855	0.835	$0.6972 \times 10^{-2}$	$0.7080 \times 10^{-2}$	-1.528	2	$F_2$	1	1	$F_1$	51
5985.422840	5985.398853	23.987	$0.6564 \times 10^{-4}$	$0.3678 \times 10^{-6}$	17748.007	7	$A_2$	1	6	$A_1$	73
5985.792020	5985.779174	12.846		$0.1302 \times 10^{-4}$		9	$F_1$	3	8	$F_2$	287
5985.863000	5985.858896	4.104		$0.1576 \times 10^{-4}$		8	$F_2$	2	7	$F_1$	252
5985.904000	5985.899291	4.709	$0.7339 \times 10^{-5}$	$0.1691 \times 10^{-5}$	334.095	8	$F_2$	1	7	$F_1$	252
5986.021920	5986.015376	6.544	$0.2581 \times 10^{-3}$	$0.1442 \times 10^{-3}$	78.983	10	$A_1$	1	10	$A_2$	103
5987.015645	5987.009234	6.411		$0.1110 \times 10^{-4}$		7	$F_1$	1	6	$F_2$	212
5987.010000	5987.012377	-2.377		$0.2241 \times 10^{-5}$		7	$E$	1	6	$E$	140
5987.067870	5987.057174	10.696		$0.2450 \times 10^{-5}$		7	$F_2$	2	6	$F_1$	204
5987.106570	5987.095192	11.378	$0.1419 \times 10^{-3}$	$0.9748 \times 10^{-5}$	1355.668	7	$F_2$	1	6	$F_1$	204
5987.289450	5987.286694	2.756		$0.7283 \times 10^{-5}$		8	$E$	2	7	$E$	165
5987.326940	5987.323659	3.281		$0.1495 \times 10^{-4}$		8	$F_2$	2	7	$F_1$	253
5987.383100	5987.391100	-8.000	$0.8369 \times 10^{-4}$	$0.1103 \times 10^{-3}$	-24.124	9	$A_2$	1	8	$A_1$	100
5987.378564	5987.409461	-30.897		$0.5992 \times 10^{-5}$		2	$E$	1	3	$E$	69
5987.564450	5987.615190	-50.740		$0.1020 \times 10^{-4}$		2	$F_2$	1	3	$F_1$	108
5988.543480	5988.536400	7.080	$0.2122 \times 10^{-3}$	$0.3315 \times 10^{-5}$	6300.486	7	$F_1$	2	6	$F_2$	213
5988.627284	5988.612645	14.639		$0.1096 \times 10^{-4}$		5	$E$	1	4	$E$	95
5988.693625	5988.679472	14.153		$0.3144 \times 10^{-4}$		5	$F_2$	1	4	$F_1$	137
5988.782909	5988.773379	9.530		$0.1292 \times 10^{-5}$		7	$E$	1	6	$E$	141
5988.801000	5988.797411	3.589		$0.3151 \times 10^{-5}$		7	$F_2$	2	6	$F_1$	205
5988.819660	5988.828184	-8.524		$0.1297 \times 10^{-4}$		7	$A_2$	1	6	$A_1$	74
5989.469990	5989.475930	-5.940	$0.6791 \times 10^{-4}$	$0.7425 \times 10^{-4}$	-8.534	5	$F_2$	1	4	$F_1$	138
5989.723572	5989.731198	-7.626		$0.5103 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	143
5989.736964	5989.745778	-8.814		$0.3366 \times 10^{-4}$		5	$F_1$	1	4	$F_2$	143
5990.154990	5990.143147	11.843		$0.4927 \times 10^{-4}$		7	$A_2$	1	6	$A_1$	75
5990.276340	5990.279600	-3.260	$0.9110 \times 10^{-4}$	$0.5764 \times 10^{-4}$	58.057	7	$F_2$	1	6	$F_1$	206
5990.349300	5990.370663	-21.363	$0.2075 \times 10^{-3}$	$0.1420 \times 10^{-3}$	46.173	7	$F_1$	1	6	$F_2$	214
5990.517770	5990.522174	-4.404	$0.2215 \times 10^{-3}$	$0.2507 \times 10^{-3}$	-11.660	5	$F_1$	2	4	$F_2$	144
5990.575760	5990.579768	-4.008		$0.1696 \times 10^{-3}$		5	$E$	1	4	$E$	96
5993.402210	5993.392595	9.615	$0.8413 \times 10^{-4}$	$0.2369 \times 10^{-4}$	255.083	7	$E$	1	6	$E$	144
5993.382949	5993.398120	-15.171	$0.3765 \times 10^{-3}$	$0.1499 \times 10^{-3}$	151.189	7	$A_2$	1	6	$A_1$	76
5993.518033	5993.483365	34.668	$0.2972 \times 10^{-3}$	$0.1293 \times 10^{-3}$	129.900	11	$A_2$	1	11	$A_1$	111
5993.576076	5993.551921	24.155		$0.3365 \times 10^{-4}$		11	$F_2$	2	11	$F_1$	350
5993.594569	5993.601595	-7.026	$0.2035 \times 10^{-3}$	$0.7919 \times 10^{-4}$	156.961	7	$F_2$	2	6	$F_1$	210
5993.873435	5993.878462	-5.027		$0.3199 \times 10^{-4}$		7	$F_1$	2	6	$F_2$	218
5993.911902	5993.897509	14.393		$0.2898 \times 10^{-4}$		7	$E$	1	6	$E$	145
5993.915513	5993.900390	15.123		$0.1916 \times 10^{-4}$		10	$A_2$	1	10	$A_1$	109
5994.143800	5994.139548	4.252	$0.2701 \times 10^{-2}$	$0.2709 \times 10^{-2}$	-0.307	1	$F_1$	1	0	$F_2$	18
5994.308000	5994.349841	-41.841		$0.1322 \times 10^{-5}$		10	$F_1$	1	10	$F_2$	321
5994.453767	5994.456830	-3.063		$0.2472 \times 10^{-7}$		6	$E$	1	5	$E$	116
5994.833880	5994.822685	11.195		$0.7528 \times 10^{-6}$		6	$F_2$	2	5	$F_1$	180
5994.856020	5994.844401	11.619	$0.2894 \times 10^{-4}$	$0.1241 \times 10^{-6}$	23214.360	6	$F_2$	1	5	$F_1$	180
5994.994830	5995.007855	-13.025		$0.5916 \times 10^{-4}$		8	$F_2$	2	7	$F_1$	256
5995.707000	5995.683879	23.121		$0.2383 \times 10^{-5}$		9	$F_1$	3	9	$F_2$	285
5995.849370	5995.921881	-72.511		$0.4278 \times 10^{-4}$		9	$A_1$	1	9	$A_2$	99
5995.991452	5995.996870	-5.418		$0.1341 \times 10^{-5}$		6	$F_1$	1	5	$F_2$	173
5996.121220	5996.116681	4.539	$0.1633 \times 10^{-3}$	$0.5052 \times 10^{-5}$	3132.650	6	$E$	1	5	$E$	117
5996.138600	5996.135687	2.913		$0.1032 \times 10^{-5}$		6	$F_2$	2	5	$F_1$	181
5996.162440	5996.157403	5.037	$0.2329 \times 10^{-3}$	$0.7868 \times 10^{-5}$	2859.945	6	$F_2$	1	5	$F_1$	181

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
5996.202494	5996.200063	2.431	$0.6043 \times 10^{-3}$	$0.1789 \times 10^{-4}$	3277.545	6	$A_2$	1	5	$A_1$	55
5996.348850	5996.382339	-33.489		$0.7655 \times 10^{-4}$		10	$F_1$	2	10	$F_2$	323
5996.857660	5996.833512	24.148		$0.2624 \times 10^{-5}$		7	$F_2$	2	6	$F_1$	212
5996.899051	5996.974705	-75.654		$0.9021 \times 10^{-4}$		10	$E$	2	10	$E$	215
5997.175000	5997.173874	1.126		$0.6841 \times 10^{-5}$		6	$A_1$	1	5	$A_2$	62
5997.267327	5997.263039	4.288		$0.3376 \times 10^{-5}$		6	$F_1$	1	5	$F_2$	174
5997.321000	5997.314834	6.166		$0.3465 \times 10^{-5}$		6	$F_2$	2	5	$F_1$	182
5997.339463	5997.336550	2.913		$0.2782 \times 10^{-6}$		6	$F_2$	1	5	$F_1$	182
5997.553153	5997.504224	48.929		$0.2883 \times 10^{-2}$		11	$A_2$	1	11	$A_1$	112
5997.823440	5997.826447	-3.007		$0.1701 \times 10^{-3}$		12	$F_1$	2	12	$F_2$	381
5998.228400	5998.232533	-4.133		$0.1890 \times 10^{-2}$		10	$E$	2	10	$E$	217
5998.240500	5998.286678	-46.178		$0.1934 \times 10^{-3}$		10	$F_1$	2	10	$F_2$	326
5998.280400	5998.288295	-7.895	$0.5074 \times 10^{-2}$	$0.5856 \times 10^{-2}$	-13.351	10	$A_1$	1	10	$A_2$	105
5998.320610	5998.320448	0.162		$0.1974 \times 10^{-3}$		10	$F_1$	1	10	$F_2$	325
5998.441156	5998.409258	31.898		$0.1374 \times 10^{-3}$		10	$F_2$	1	10	$F_1$	317
5998.440956	5998.430788	10.168		$0.1782 \times 10^{-2}$		10	$E$	1	10	$E$	216
5998.441356	5998.440421	0.935	$0.4435 \times 10^{-2}$	$0.5488 \times 10^{-2}$	-19.182	10	$A_2$	1	10	$A_1$	111
5998.577080	5998.587919	-10.839	$0.2249 \times 10^{-4}$	$0.1999 \times 10^{-4}$	12.509	7	$F_2$	1	7	$F_1$	231
5998.681000	5998.665113	15.887		$0.1414 \times 10^{-4}$		7	$F_1$	1	7	$F_2$	227
5999.270530	5999.290450	-19.920		$0.9829 \times 10^{-5}$		12	$F_2$	1	12	$F_1$	377
5999.445071	5999.436030	9.041		$0.3483 \times 10^{-5}$		3	$F_1$	1	4	$F_2$	136
5999.474300	5999.463706	10.594	$0.8195 \times 10^{-2}$	$0.9328 \times 10^{-2}$	-12.142	9	$A_2$	1	9	$A_1$	95
5999.519000	5999.513245	5.755	$0.8562 \times 10^{-2}$	$0.9150 \times 10^{-2}$	-6.425	9	$A_1$	1	9	$A_2$	100
5999.543000	5999.560054	-17.054	$0.3425 \times 10^{-2}$	$0.3592 \times 10^{-2}$	-4.638	9	$E$	1	9	$E$	193
5999.625400	5999.606764	18.636		$0.4264 \times 10^{-2}$		9	$F_2$	1	9	$F_1$	296
5999.634300	5999.640433	-6.133	$0.4428 \times 10^{-2}$	$0.1199 \times 10^{-3}$	3594.418	9	$F_1$	1	9	$F_2$	289
5999.779990	5999.788104	-8.114	$0.4391 \times 10^{-4}$	$0.4953 \times 10^{-4}$	-11.350	8	$F_2$	1	7	$F_1$	257
5999.810120	5999.822134	-12.014	$0.6111 \times 10^{-4}$	$0.5101 \times 10^{-4}$	19.803	6	$A_2$	1	6	$A_1$	70
5999.855240	5999.853798	1.442	$0.1387 \times 10^{-3}$	$0.7898 \times 10^{-4}$	75.614	6	$F_2$	1	5	$F_1$	183
5999.885640	5999.894838	-9.198	$0.1332 \times 10^{-3}$	$0.7722 \times 10^{-4}$	72.500	6	$E$	1	5	$E$	118
6000.070470	6000.099646	-29.176	$0.5563 \times 10^{-4}$	$0.7470 \times 10^{-4}$	-25.530	12	$F_1$	2	12	$F_2$	384
6000.198430	6000.217981	-19.551	$0.1299 \times 10^{-4}$	$0.1573 \times 10^{-4}$	-17.418	3	$F_1$	1	4	$F_2$	137
6000.245120	6000.235681	9.439	$0.2337 \times 10^{-3}$	$0.1750 \times 10^{-3}$	33.528	6	$A_2$	1	5	$A_1$	56
6000.271144	6000.259169	11.975		$0.2179 \times 10^{-4}$		6	$F_2$	2	5	$F_1$	184
6000.303430	6000.277510	25.920		$0.5753 \times 10^{-5}$		3	$F_2$	1	4	$F_1$	131
6000.483120	6000.479987	3.133		$0.5014 \times 10^{-5}$		4	$F_2$	1	3	$F_1$	113
6000.456500	6000.488226	-31.726		$0.4357 \times 10^{-4}$		12	$E$	2	12	$E$	256
6000.640770	6000.640359	0.411		$0.3905 \times 10^{-2}$		8	$E$	2	8	$E$	175
6000.661280	6000.658916	2.364	$0.7843 \times 10^{-2}$	$0.5988 \times 10^{-2}$	30.972	8	$F_1$	2	8	$F_2$	263
6000.745080	6000.737323	7.757	$0.4359 \times 10^{-2}$	$0.3752 \times 10^{-2}$	16.185	8	$E$	1	8	$E$	176
6000.748320	6000.740979	7.341	$0.7041 \times 10^{-2}$	$0.5794 \times 10^{-2}$	21.531	8	$F_1$	1	8	$F_2$	264
6000.748480	6000.744798	3.682	$0.1159 \times 10^{-1}$	$0.1266 \times 10^{-1}$	-8.426	8	$A_1$	1	8	$A_2$	84
6000.763000	6000.760037	2.963		$0.6175 \times 10^{-4}$		4	$E$	1	3	$E$	72
6000.975337	6000.988018	-12.681		$0.1875 \times 10^{-4}$		5	$F_2$	1	5	$F_1$	173
6001.005043	6001.020554	-15.511		$0.6809 \times 10^{-5}$		5	$F_1$	1	5	$F_2$	164
6001.036440	6001.036401	0.039	$0.3586 \times 10^{-4}$	$0.3796 \times 10^{-4}$	-5.537	4	$F_1$	1	3	$F_2$	108
6001.210730	6001.206717	4.013	$0.1720 \times 10^{-4}$	$0.1272 \times 10^{-4}$	35.170	7	$F_1$	2	6	$F_2$	221
6001.401320	6001.399049	2.271	$0.1799 \times 10^{-3}$	$0.2023 \times 10^{-3}$	-11.091	4	$F_2$	1	3	$F_1$	114
6001.653470	6001.655355	-1.885	$0.1027 \times 10^{-1}$	$0.1055 \times 10^{-1}$	-2.673	7	$F_1$	2	7	$F_2$	228
6001.676450	6001.668341	8.109	$0.7391 \times 10^{-2}$	$0.7007 \times 10^{-2}$	5.476	7	$E$	1	7	$E$	153

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6001.665770	6001.677285	-11.515	$0.1027 \times 10^{-1}$	$0.1001 \times 10^{-1}$	2.615	7	$F_2$	2	7	$F_1$	233
6001.686040	6001.699122	-13.082	$0.1705 \times 10^{-1}$	$0.1733 \times 10^{-1}$	-1.633	7	$A_2$	1	7	$A_1$	72
6001.739190	6001.735349	3.841	$0.9079 \times 10^{-2}$	$0.9806 \times 10^{-2}$	-7.416	7	$F_2$	1	7	$F_1$	234
6001.741720	6001.742499	-0.779	$0.9345 \times 10^{-2}$	$0.1023 \times 10^{-1}$	-8.652	7	$F_1$	1	7	$F_2$	229
6001.923776	6001.902986	20.790		$0.3210 \times 10^{-5}$		6	$F_2$	2	5	$F_1$	186
6001.985620	6001.998959	-13.339		$0.6422 \times 10^{-5}$		4	$F_1$	1	4	$F_2$	140
6002.072440	6002.066568	5.872		$0.4788 \times 10^{-5}$		9	$A_1$	1	9	$A_2$	101
6002.212970	6002.216002	-3.032	$0.1883 \times 10^{-3}$	$0.5033 \times 10^{-4}$	274.115	6	$A_1$	1	5	$A_2$	63
6002.363560	6002.363590	-0.030	$0.6534 \times 10^{-4}$	$0.1417 \times 10^{-4}$	360.978	6	$F_1$	1	5	$F_2$	178
6002.517200	6002.521956	-4.756	$0.2231 \times 10^{-1}$	$0.2188 \times 10^{-1}$	1.976	6	$A_1$	1	6	$A_2$	65
6002.530500	6002.531867	-1.367	$0.1335 \times 10^{-1}$	$0.1308 \times 10^{-1}$	2.033	6	$F_1$	1	6	$F_2$	203
6002.534280	6002.543470	-9.190	$0.1371 \times 10^{-1}$	$0.1298 \times 10^{-1}$	5.591	6	$F_2$	2	6	$F_1$	195
6002.592200	6002.581520	10.680	$0.2006 \times 10^{-1}$	$0.2148 \times 10^{-1}$	-6.625	6	$A_2$	1	6	$A_1$	71
6002.584780	6002.597230	-12.450	$0.1204 \times 10^{-1}$	$0.1279 \times 10^{-1}$	-5.899	6	$F_2$	1	6	$F_1$	196
6002.596910	6002.601906	-4.996	$0.8080 \times 10^{-2}$	$0.8556 \times 10^{-2}$	-5.567	6	$E$	1	6	$E$	134
6002.782658	6002.786523	-3.865		$0.3086 \times 10^{-5}$		3	$F_1$	1	3	$F_2$	105
6002.836833	6002.848061	-11.228		$0.6899 \times 10^{-5}$		3	$F_2$	1	3	$F_1$	110
6003.058240	6003.068258	-10.018		$0.4296 \times 10^{-4}$		7	$E$	1	6	$E$	147
6003.250100	6003.253200	-3.100	$0.1527 \times 10^{-1}$	$0.1508 \times 10^{-1}$	1.294	5	$F_1$	2	5	$F_2$	165
6003.254420	6003.260860	-6.440	$0.1030 \times 10^{-1}$	$0.1003 \times 10^{-1}$	2.674	5	$E$	1	5	$E$	112
6003.298150	6003.299443	-1.293	$0.1312 \times 10^{-1}$	$0.1492 \times 10^{-1}$	-12.047	5	$F_2$	1	5	$F_1$	174
6003.310660	6003.316676	-6.016	$0.1513 \times 10^{-1}$	$0.1487 \times 10^{-1}$	1.726	5	$F_1$	1	5	$F_2$	166
6003.523750	6003.529558	-5.808	$0.1979 \times 10^{-3}$	$0.5363 \times 10^{-4}$	269.007	6	$F_2$	2	5	$F_1$	187
6003.544943	6003.551274	-6.331		$0.2050 \times 10^{-5}$		6	$F_2$	1	5	$F_1$	187
6003.836820	6003.839269	-2.449	$0.1603 \times 10^{-1}$	$0.1594 \times 10^{-1}$	0.579	4	$F_2$	1	4	$F_1$	135
6003.869010	6003.870306	-1.296	$0.1017 \times 10^{-1}$	$0.1056 \times 10^{-1}$	-3.735	4	$E$	1	4	$E$	94
6003.878560	6003.880946	-2.386	$0.1527 \times 10^{-1}$	$0.1582 \times 10^{-1}$	-3.492	4	$F_1$	1	4	$F_2$	141
6003.892130	6003.895982	-3.852	$0.2569 \times 10^{-1}$	$0.2632 \times 10^{-1}$	-2.401	4	$A_1$	1	4	$A_2$	43
6004.104110	6004.107990	-3.880	$0.2835 \times 10^{-4}$	$0.5900 \times 10^{-6}$	4704.711	5	$E$	1	4	$E$	97
6004.292580	6004.292366	0.214	$0.2488 \times 10^{-1}$	$0.2537 \times 10^{-1}$	-1.921	3	$A_2$	1	3	$A_1$	32
6004.313360	6004.312837	0.523	$0.1485 \times 10^{-1}$	$0.1517 \times 10^{-1}$	-2.120	3	$F_2$	1	3	$F_1$	111
6004.328640	6004.329166	-0.526	$0.1483 \times 10^{-1}$	$0.1514 \times 10^{-1}$	-2.067	3	$F_1$	1	3	$F_2$	106
6004.448000	6004.446291	1.709		$0.3427 \times 10^{-6}$		5	$F_1$	2	4	$F_2$	146
6004.462230	6004.460871	1.359	$0.6444 \times 10^{-4}$	$0.5647 \times 10^{-6}$	11311.628	5	$F_1$	1	4	$F_2$	146
6004.644350	6004.641255	3.095	$0.1239 \times 10^{-1}$	$0.1265 \times 10^{-1}$	-2.041	2	$F_2$	1	2	$F_1$	73
6004.652530	6004.650354	2.176	$0.8249 \times 10^{-2}$	$0.8425 \times 10^{-2}$	-2.088	2	$E$	1	2	$E$	53
6004.862840	6004.858389	4.451	$0.8242 \times 10^{-2}$	$0.8409 \times 10^{-2}$	-1.982	1	$F_1$	1	1	$F_2$	43
6005.049020	6005.052010	-2.990		$0.2618 \times 10^{-5}$		4	$F_2$	1	4	$F_1$	136
6005.396126	6005.397894	-1.768	$0.3997 \times 10^{-3}$	$0.4771 \times 10^{-5}$	8278.267	5	$F_1$	1	4	$F_2$	147
6005.413797	6005.401441	12.356	$0.3589 \times 10^{-3}$	$0.7074 \times 10^{-4}$	407.349	6	$A_1$	1	5	$A_2$	64
6005.460677	6005.469889	-9.212	$0.3951 \times 10^{-3}$	$0.6953 \times 10^{-5}$	5582.794	5	$F_2$	1	4	$F_1$	141
6005.963880	6005.950086	13.794	$0.6194 \times 10^{-4}$	$0.9838 \times 10^{-5}$	529.623	6	$F_1$	1	5	$F_2$	180
6006.067053	6006.058424	8.629	$0.1627 \times 10^{-3}$	$0.8923 \times 10^{-4}$	82.328	7	$A_2$	1	6	$A_1$	77
6006.147957	6006.150567	-2.610	$0.3701 \times 10^{-3}$	$0.3887 \times 10^{-5}$	9421.139	5	$F_1$	2	4	$F_2$	148
6006.166082	6006.166199	-0.117	$0.2427 \times 10^{-3}$	$0.2505 \times 10^{-5}$	9590.347	5	$E$	1	4	$E$	98
6006.212862	6006.204949	7.913		$0.1199 \times 10^{-5}$		6	$E$	1	5	$E$	121
6006.524000	6006.524468	-0.468		$0.8665 \times 10^{-6}$		6	$F_2$	2	5	$F_1$	188
6006.548084	6006.546184	1.900	$0.9003 \times 10^{-5}$	$0.6918 \times 10^{-6}$	1201.400	6	$F_2$	1	5	$F_1$	188
6006.653000	6006.650445	2.555		$0.4738 \times 10^{-5}$		7	$F_2$	2	6	$F_1$	215
6006.690010	6006.688464	1.546	$0.1216 \times 10^{-3}$	$0.5756 \times 10^{-4}$	111.255	7	$F_2$	1	6	$F_1$	215



Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6006.955760	6006.956687	-0.927	$0.1230 \times 10^{-3}$	$0.6459 \times 10^{-4}$	90.441	7	$F_1$	1	6	$F_2$	223
6009.241689	6009.244210	-2.521		$0.3458 \times 10^{-5}$		6	$F_1$	1	5	$F_2$	181
6009.547190	6009.544138	3.052	$0.2032 \times 10^{-3}$	$0.7526 \times 10^{-4}$	170.002	5	$F_1$	1	4	$F_2$	149
6009.808898	6009.819922	-11.024	$0.2461 \times 10^{-3}$	$0.8613 \times 10^{-4}$	185.717	6	$A_1$	1	5	$A_2$	65
6009.893563	6009.889730	3.833	$0.1900 \times 10^{-3}$	$0.6661 \times 10^{-4}$	185.264	5	$F_2$	1	4	$F_1$	142
6010.217707	6010.203467	14.240		$0.1074 \times 10^{-4}$		5	$F_1$	2	4	$F_2$	150
6010.231000	6010.218047	12.953		$0.8177 \times 10^{-5}$		5	$F_1$	1	4	$F_2$	150
6010.287750	6010.271134	16.616	$0.9543 \times 10^{-5}$	$0.5098 \times 10^{-5}$	87.205	5	$F_2$	1	4	$F_1$	143
6010.574070	6010.574580	-0.510	$0.1613 \times 10^{-3}$	$0.4973 \times 10^{-4}$	224.382	6	$F_1$	1	5	$F_2$	182
6010.661210	6010.678181	-16.971	$0.1901 \times 10^{-4}$	$0.2006 \times 10^{-5}$	847.747	5	$E$	1	4	$E$	100
6010.721412	6010.732088	-10.676	$0.9304 \times 10^{-5}$	$0.8598 \times 10^{-8}$	108116.212	5	$F_2$	1	4	$F_1$	144
6011.110280	6011.108518	1.762	$0.5864 \times 10^{-4}$	$0.7757 \times 10^{-5}$	655.914	5	$F_1$	2	4	$F_2$	151
6011.209370	6011.206090	3.280	$0.1464 \times 10^{-3}$	$0.4981 \times 10^{-4}$	193.903	6	$F_2$	2	5	$F_1$	189
6011.230700	6011.227806	2.894	$0.3332 \times 10^{-4}$	$0.5853 \times 10^{-5}$	469.287	6	$F_2$	1	5	$F_1$	189
6011.606710	6011.589551	17.159	$0.1122 \times 10^{-4}$	$0.1265 \times 10^{-4}$	-11.281	3	$F_1$	1	2	$F_2$	82
6011.831000	6011.824833	6.167		$0.8469 \times 10^{-7}$		4	$E$	1	3	$E$	73
6011.993952	6011.982923	11.029	$0.6202 \times 10^{-4}$	$0.6289 \times 10^{-4}$	-1.389	3	$F_2$	1	2	$F_1$	74
6012.089486	6012.086535	2.951	$0.4041 \times 10^{-3}$	$0.1093 \times 10^{-3}$	269.838	6	$A_2$	1	5	$A_1$	58
6012.188438	6012.176899	11.539	$0.1883 \times 10^{-3}$	$0.2093 \times 10^{-3}$	-10.021	3	$A_2$	1	2	$A_1$	30
6012.367840	6012.359896	7.944		$0.7478 \times 10^{-5}$		4	$F_1$	1	5	$F_2$	160
6012.644910	6012.661753	-16.843	$0.3572 \times 10^{-4}$	$0.4718 \times 10^{-4}$	-24.284	4	$A_1$	1	5	$A_2$	57
6013.395286	6013.386785	8.501		$0.2847 \times 10^{-5}$		6	$F_2$	2	5	$F_1$	190
6013.418990	6013.408501	10.489	$0.1808 \times 10^{-3}$	$0.5511 \times 10^{-4}$	228.073	6	$F_2$	1	5	$F_1$	190
6013.627090	6013.558271	68.819	$0.3371 \times 10^{-4}$	$0.2550 \times 10^{-4}$	32.188	4	$F_2$	1	5	$F_1$	169
6013.570950	6013.561260	9.690	$0.1475 \times 10^{-3}$	$0.3947 \times 10^{-4}$	273.687	6	$E$	1	5	$E$	123
6013.788260	6013.792079	-3.819	$0.1657 \times 10^{-3}$	$0.2398 \times 10^{-4}$	591.100	5	$E$	1	4	$E$	101
6013.946000	6013.946129	-0.129	$0.1694 \times 10^{-3}$	$0.2675 \times 10^{-4}$	533.277	5	$F_1$	2	4	$F_2$	152
6013.958000	6013.960709	-2.709		$0.1302 \times 10^{-5}$		5	$F_1$	1	4	$F_2$	152
6013.997760	6013.996501	1.259	$0.4164 \times 10^{-4}$	$0.3533 \times 10^{-6}$	11685.691	4	$F_1$	1	3	$F_2$	109
6014.613261	6014.625033	-11.772	$0.7726 \times 10^{-3}$	$0.5410 \times 10^{-5}$	14179.930	4	$A_1$	1	3	$A_2$	41
6014.885069	6014.895090	-10.021	$0.4281 \times 10^{-3}$	$0.3396 \times 10^{-5}$	12506.712	4	$F_1$	1	3	$F_2$	110
6014.939176	6014.955710	-16.534	$0.3205 \times 10^{-3}$	$0.2671 \times 10^{-5}$	11898.816	4	$E$	1	3	$E$	74
6015.341522	6015.348605	-7.083	$0.4741 \times 10^{-3}$	$0.2943 \times 10^{-5}$	16007.545	4	$F_2$	1	3	$F_1$	117
6015.459008	6015.454486	4.522	$0.7427 \times 10^{-4}$	$0.8241 \times 10^{-5}$	801.219	5	$F_1$	2	4	$F_2$	153
6015.664190	6015.658871	5.319	$0.1506 \times 10^{-1}$	$0.1525 \times 10^{-1}$	-1.241	0	$A_1$	1	1	$A_2$	18
6018.333940	6018.340243	-6.303	$0.2079 \times 10^{-3}$	$0.3743 \times 10^{-4}$	455.455	5	$F_1$	2	4	$F_2$	154
6018.952114	6018.948454	3.660	$0.1452 \times 10^{-3}$	$0.2523 \times 10^{-4}$	475.448	5	$E$	1	4	$E$	102
6019.401609	6019.398927	2.682	$0.3347 \times 10^{-3}$	$0.8141 \times 10^{-4}$	311.121	4	$A_1$	1	3	$A_2$	42
6019.557701	6019.552864	4.837	$0.1527 \times 10^{-3}$	$0.3506 \times 10^{-4}$	335.504	4	$F_1$	1	3	$F_2$	111
6019.748336	6019.739721	8.615	$0.3085 \times 10^{-3}$	$0.4930 \times 10^{-4}$	525.784	5	$F_2$	1	4	$F_1$	148
6019.808557	6019.800818	7.739	$0.4169 \times 10^{-4}$	$0.6731 \times 10^{-5}$	519.417	4	$F_2$	1	3	$F_1$	118
6019.836249	6019.837153	-0.904	$0.9876 \times 10^{-4}$	$0.2243 \times 10^{-4}$	340.218	4	$E$	1	3	$E$	75
6020.081403	6020.088158	-6.755	$0.1712 \times 10^{-4}$	$0.3841 \times 10^{-5}$	345.702	4	$F_1$	1	3	$F_2$	112
6020.229609	6020.237263	-7.654	$0.1667 \times 10^{-4}$	$0.1571 \times 10^{-5}$	960.870	4	$F_2$	1	3	$F_1$	119
6020.381000	6020.384804	-3.804		$0.2220 \times 10^{-6}$		4	$E$	1	3	$E$	76
6020.736353	6020.722315	14.038	$0.2757 \times 10^{-3}$	$0.4653 \times 10^{-4}$	492.574	5	$F_1$	1	4	$F_2$	155
6022.745480	6022.723035	22.445	$0.2370 \times 10^{-4}$	$0.2193 \times 10^{-4}$	8.065	2	$F_2$	1	1	$F_1$	52
6023.383980	6023.384965	-0.985	$0.1676 \times 10^{-4}$	$0.6282 \times 10^{-7}$	26581.462	3	$F_2$	1	2	$F_1$	75
6024.207458	6024.208231	-0.773	$0.2762 \times 10^{-3}$	$0.2197 \times 10^{-4}$	1157.253	4	$F_2$	1	3	$F_1$	120
6024.356096	6024.374738	-18.642	$0.4802 \times 10^{-3}$	$0.1232 \times 10^{-5}$	38867.505	3	$F_1$	1	2	$F_2$	84

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6024.376274	6024.383898	-7.624		$0.2058 \times 10^{-5}$		4	$F_1$	1	3	$F_2$	114
6024.591677	6024.604011	-12.334	$0.4841 \times 10^{-3}$	$0.1192 \times 10^{-5}$	40509.133	3	$F_2$	1	2	$F_1$	76
6024.791979	6024.800044	-8.065	$0.8511 \times 10^{-3}$	$0.1806 \times 10^{-5}$	47037.213	3	$A_2$	1	2	$A_1$	31
6025.115295	6025.122260	-6.965	$0.3870 \times 10^{-4}$	$0.1781 \times 10^{-5}$	2073.401	4	$E$	1	3	$E$	77
6025.348000	6025.353693	-5.693		$0.4958 \times 10^{-5}$		5	$F_2$	1	6	$F_1$	189
6026.227230	6026.223793	3.437	$0.1473 \times 10^{-1}$	$0.1496 \times 10^{-1}$	-1.552	1	$F_1$	1	2	$F_2$	81
6026.861763	6026.868626	-6.863	$0.2388 \times 10^{-3}$	$0.2043 \times 10^{-4}$	1068.818	4	$F_2$	1	3	$F_1$	122
6027.525037	6027.520968	4.069	$0.2904 \times 10^{-3}$	$0.2072 \times 10^{-4}$	1301.429	4	$E$	1	3	$E$	78
6027.741100	6027.726132	14.968		$0.4369 \times 10^{-4}$		5	$F_2$	1	6	$F_1$	191
6028.022948	6028.013553	9.395	$0.3890 \times 10^{-3}$	$0.3079 \times 10^{-4}$	1163.554	4	$F_1$	1	3	$F_2$	115
6028.553895	6028.541241	12.654	$0.6243 \times 10^{-3}$	$0.5230 \times 10^{-4}$	1093.749	4	$A_1$	1	3	$A_2$	43
6029.556400	6029.563915	-7.515	$0.9551 \times 10^{-4}$	$0.1636 \times 10^{-4}$	483.641	3	$F_1$	1	2	$F_2$	85
6029.655550	6029.670131	-14.581	$0.5345 \times 10^{-4}$	$0.6231 \times 10^{-5}$	757.783	3	$F_2$	1	2	$F_1$	77
6030.032907	6030.033537	-0.630		$0.3455 \times 10^{-5}$		3	$F_2$	1	2	$F_1$	78
6030.130020	6030.129660	0.360	$0.2933 \times 10^{-4}$	$0.2142 \times 10^{-4}$	36.919	12	$F_1$	3	12	$F_2$	392
6030.612830	6030.613273	-0.443		$0.1168 \times 10^{-4}$		12	$F_1$	1	12	$F_2$	392
6031.545600	6031.575933	-30.333	$0.7647 \times 10^{-4}$	$0.5420 \times 10^{-4}$	41.088	10	$A_1$	1	10	$A_2$	107
6031.915468	6031.952963	-37.495	$0.3503 \times 10^{-4}$	$0.3979 \times 10^{-4}$	-11.966	13	$F_2$	2	13	$F_1$	427
6033.206000	6033.220698	-14.698		$0.3152 \times 10^{-4}$		12	$F_1$	2	12	$F_2$	393
6033.248540	6033.254276	-5.736		$0.4072 \times 10^{-4}$		12	$E$	2	12	$E$	262
6033.418010	6033.425384	-7.374	$0.3885 \times 10^{-4}$	$0.3174 \times 10^{-4}$	22.406	9	$F_1$	3	9	$F_2$	292
6033.433000	6033.442287	-9.287		$0.2080 \times 10^{-4}$		9	$F_2$	2	9	$F_1$	300
6034.142825	6034.157830	-15.005	$0.2549 \times 10^{-3}$	$0.1258 \times 10^{-7}$	-100.000	2	$E$	1	1	$E$	31
6034.230422	6034.236473	-6.051		$0.1266 \times 10^{-5}$		2	$E$	1	3	$E$	70
6034.289573	6034.298659	-9.086	$0.4085 \times 10^{-3}$	$0.1425 \times 10^{-7}$	-100.000	2	$F_2$	1	1	$F_1$	53
6034.590000	6034.598577	-8.577		$0.3870 \times 10^{-5}$		3	$F_2$	1	2	$F_1$	79
6034.641800	6034.629624	12.176	$0.4541 \times 10^{-4}$	$0.4191 \times 10^{-4}$	8.360	11	$E$	1	11	$E$	239
6034.740473	6034.727169	13.304	$0.1713 \times 10^{-3}$	$0.1327 \times 10^{-3}$	29.109	11	$F_1$	2	11	$F_2$	358
6034.776546	6034.764441	12.105	$0.8888 \times 10^{-3}$	$0.3305 \times 10^{-4}$	2588.936	3	$A_2$	1	2	$A_1$	32
6035.024600	6035.046495	-21.895	$0.5169 \times 10^{-4}$	$0.4970 \times 10^{-4}$	4.011	13	$F_1$	3	13	$F_2$	420
6035.695080	6035.681690	13.390	$0.5575 \times 10^{-4}$	$0.5031 \times 10^{-4}$	10.821	10	$A_2$	1	10	$A_1$	113
6035.746252	6035.747283	-1.031		$0.1603 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	111
6035.902190	6035.886573	15.617	$0.5700 \times 10^{-4}$	$0.5173 \times 10^{-4}$	10.185	10	$F_1$	2	10	$F_2$	332
6035.976710	6035.962053	14.657	$0.1118 \times 10^{-3}$	$0.1088 \times 10^{-3}$	2.791	10	$F_1$	1	10	$F_2$	332
6036.070009	6036.070446	-0.437	$0.3398 \times 10^{-3}$	$0.1318 \times 10^{-4}$	2478.049	3	$F_2$	1	2	$F_1$	80
6036.136442	6036.120626	15.816		$0.3954 \times 10^{-3}$		10	$A_1$	1	10	$A_2$	108
6036.163268	6036.174068	-10.800	$0.1286 \times 10^{-3}$	$0.1208 \times 10^{-3}$	6.489	13	$F_1$	2	13	$F_2$	421
6036.198830	6036.205454	-6.624	$0.2155 \times 10^{-3}$	$0.2054 \times 10^{-3}$	4.903	13	$A_1$	1	13	$A_2$	144
6036.285000	6036.282740	2.260	$0.1274 \times 10^{-3}$	$0.1175 \times 10^{-3}$	8.448	12	$A_2$	1	12	$A_1$	136
6036.344259	6036.345377	-1.118	$0.3907 \times 10^{-4}$	$0.3278 \times 10^{-4}$	19.191	8	$F_1$	2	8	$F_2$	267
6036.413893	6036.416436	-2.543		$0.2824 \times 10^{-4}$		8	$F_1$	1	8	$F_2$	267
6036.547050	6036.541297	5.753		$0.1560 \times 10^{-4}$		3	$F_1$	1	2	$F_2$	88
6036.653600	6036.654114	-0.514	$0.1254 \times 10^{-1}$	$0.1301 \times 10^{-1}$	-3.612	2	$E$	1	3	$E$	71
6036.658400	6036.657405	0.995	$0.1931 \times 10^{-1}$	$0.1951 \times 10^{-1}$	-1.008	2	$F_2$	1	3	$F_1$	112
6036.694440	6036.699216	-4.776	$0.1488 \times 10^{-3}$	$0.1532 \times 10^{-3}$	-2.850	8	$A_1$	1	8	$A_2$	85
6036.774710	6036.764852	9.858	$0.3053 \times 10^{-4}$	$0.2894 \times 10^{-4}$	5.497	9	$F_2$	2	9	$F_1$	302
6036.841110	6036.832799	8.311	$0.7965 \times 10^{-4}$	$0.7073 \times 10^{-4}$	12.607	7	$F_1$	2	7	$F_2$	231
6036.921130	6036.909567	11.563		$0.4348 \times 10^{-4}$		9	$F_2$	1	9	$F_1$	302
6036.974928	6036.973895	1.033		$0.3990 \times 10^{-4}$		11	$F_1$	2	11	$F_2$	359
6037.001701	6037.001786	-0.085	$0.1527 \times 10^{-3}$	$0.1680 \times 10^{-3}$	-9.120	12	$F_2$	1	12	$F_1$	390

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6037.078100	6037.081070		-2.970	$0.5842 \times 10^{-4}$		11	$F_2$	3	11	$F_1$	364
6037.219000	6037.221793		-2.793	$0.2144 \times 10^{-4}$		11	$F_2$	2	11	$F_1$	364
6037.235980	6037.228041		7.939	$0.8137 \times 10^{-4}$		9	$F_1$	3	9	$F_2$	294
6037.286406	6037.277761		8.645	$0.1778 \times 10^{-3}$	7.867	9	$F_1$	2	9	$F_2$	294
6037.514000	6037.514573		-0.573	$0.9271 \times 10^{-5}$		5	$E$	1	6	$E$	132
6037.632200	6037.629299		2.901	$0.4961 \times 10^{-4}$	-1.585	7	$E$	1	7	$E$	155
6037.724273	6037.721156		3.117	$0.1735 \times 10^{-4}$		7	$F_1$	2	7	$F_2$	232
6037.740720	6037.740696		0.024	$0.4543 \times 10^{-3}$	10.898	11	$A_2$	1	11	$A_1$	116
6037.777662	6037.776847		0.815	$0.3821 \times 10^{-4}$	-8.844	7	$F_1$	1	7	$F_2$	232
6037.874560	6037.866208		8.352	$0.2247 \times 10^{-3}$	9.865	11	$F_2$	2	11	$F_1$	365
6037.913230	6037.902048		11.182	$0.2096 \times 10^{-3}$	47.407	11	$E$	1	11	$E$	240
6038.003450	6038.003920		-0.470	$0.4538 \times 10^{-4}$	7.980	10	$E$	2	10	$E$	221
6038.150435	6038.150079		0.356	$0.8457 \times 10^{-4}$	6.906	8	$E$	2	8	$E$	179
6038.234937	6038.262144		-27.207	$0.5854 \times 10^{-3}$	4.483	12	$A_1$	1	12	$A_2$	128
6038.234937	6038.264899		-29.962	$0.3513 \times 10^{-3}$	4.813	12	$F_1$	1	12	$F_2$	396
6038.234937	6038.266190		-31.253	$0.2341 \times 10^{-3}$	4.862	12	$E$	1	12	$E$	264
6038.330388	6038.318774		11.614	$0.1739 \times 10^{-3}$	13.906	6	$A_1$	1	6	$A_2$	66
6038.391474	6038.392700		-1.226	$0.1868 \times 10^{-4}$	2.356	8	$F_2$	2	8	$F_1$	263
6038.411693	6038.402831		8.862	$0.5318 \times 10^{-4}$	8.585	6	$F_1$	1	6	$F_2$	206
6038.432345	6038.433095		-0.750	$0.3141 \times 10^{-3}$	8.532	8	$F_2$	1	8	$F_1$	263
6038.492283	6038.486021		6.262	$0.1108 \times 10^{-4}$		6	$E$	1	6	$E$	136
6038.565415	6038.562473		2.942	$0.2816 \times 10^{-3}$	6.158	10	$F_2$	2	10	$F_1$	325
6038.644944	6038.634740		10.204	$0.5399 \times 10^{-4}$	6.650	10	$F_1$	2	10	$F_2$	334
6038.720670	6038.710220		10.450	$0.2333 \times 10^{-3}$	10.121	10	$F_1$	1	10	$F_2$	334
6038.867480	6038.874126		-6.646	$0.3183 \times 10^{-4}$		9	$F_2$	2	9	$F_1$	303
6038.997000	6038.987933		9.067	$0.1967 \times 10^{-4}$		6	$F_2$	2	6	$F_1$	198
6039.020700	6039.009649		11.051	$0.2135 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	198
6039.020161	6039.023159		-2.998	$0.5008 \times 10^{-3}$	6.207	11	$F_1$	1	11	$F_2$	360
6039.027731	6039.028680		-0.949	$0.4717 \times 10^{-3}$	0.469	11	$F_2$	1	11	$F_1$	366
6039.086601	6039.094900		-8.299	$0.4803 \times 10^{-4}$		7	$F_1$	2	7	$F_2$	233
6039.290145	6039.291155		-1.010	$0.1719 \times 10^{-3}$	0.618	9	$E$	1	9	$E$	198
6039.338480	6039.335905		2.575	$0.5223 \times 10^{-4}$	3.263	9	$F_1$	3	9	$F_2$	295
6039.363494	6039.371483		-7.989	$0.1822 \times 10^{-3}$	13.530	7	$F_2$	2	7	$F_1$	238
6039.387190	6039.385625		1.565	$0.2247 \times 10^{-3}$	7.809	9	$F_1$	2	9	$F_2$	295
6039.401181	6039.409501		-8.320	$0.9526 \times 10^{-4}$		7	$F_2$	1	7	$F_1$	238
6039.509617	6039.502282		7.335	$0.5040 \times 10^{-3}$	7.319	9	$A_1$	1	9	$A_2$	102
6039.657966	6039.665976		-8.010	$0.8604 \times 10^{-3}$	9.175	7	$A_2$	1	7	$A_1$	74
6039.735000	6039.724941		10.059	$0.4063 \times 10^{-3}$		10	$E$	1	10	$E$	222
6039.705701	6039.729430		-23.729	$0.2178 \times 10^{-5}$		2	$E$	1	1	$E$	32
6039.742000	6039.730322		11.678	$0.6068 \times 10^{-3}$		10	$F_2$	1	10	$F_1$	326
6039.753000	6039.740044		12.956	$0.1010 \times 10^{-2}$		10	$A_2$	1	10	$A_1$	114
6039.758300	6039.745948		12.352	$0.5041 \times 10^{-4}$		5	$F_1$	2	5	$F_2$	168
6039.876860	6039.867116		9.744	$0.1814 \times 10^{-4}$	10.480	5	$F_2$	1	5	$F_1$	176
6039.894560	6039.907717		-13.157	$0.1431 \times 10^{-5}$		2	$F_2$	1	1	$F_1$	54
6039.924400	6039.937518		-13.118	$0.5686 \times 10^{-4}$		6	$F_1$	1	6	$F_2$	207
6039.962952	6039.969844		-6.892	$0.2042 \times 10^{-4}$		8	$F_2$	2	8	$F_1$	264
6040.004120	6040.010238		-6.118	$0.1970 \times 10^{-3}$	21.269	8	$F_2$	1	8	$F_1$	264
6040.142780	6040.145448		-2.668	$0.2515 \times 10^{-3}$	8.042	8	$F_1$	2	8	$F_2$	269
6040.248407	6040.260227		-11.820	$0.1224 \times 10^{-3}$	26.202	6	$E$	1	6	$E$	137
6040.384314	6040.370229		14.085	$0.7440 \times 10^{-3}$	3.689	9	$F_1$	1	9	$F_2$	296

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6040.405451	6040.388788	16.663	$0.7454 \times 10^{-3}$	$0.7149 \times 10^{-3}$	4.262	9	$F_2$	1	9	$F_1$	304
6040.504788	6040.517724	-12.936	$0.2441 \times 10^{-3}$	$0.2165 \times 10^{-3}$	12.756	6	$F_2$	2	6	$F_1$	199
6040.526456	6040.539441	-12.985	$0.1575 \times 10^{-3}$	$0.1428 \times 10^{-3}$	10.315	6	$F_2$	1	6	$F_1$	199
6040.742610	6040.752649	-10.039	$0.1178 \times 10^{-3}$	$0.1113 \times 10^{-3}$	5.826	7	$F_2$	2	7	$F_1$	239
6040.780000	6040.790668	-10.668		$0.1389 \times 10^{-4}$		7	$F_2$	1	7	$F_1$	239
6040.826070	6040.833899	-7.829	$0.1276 \times 10^{-3}$	$0.1141 \times 10^{-3}$	11.864	7	$E$	1	7	$E$	156
6040.855770	6040.869523	-13.753	$0.2818 \times 10^{-4}$	$0.2775 \times 10^{-4}$	1.533	5	$F_2$	1	5	$F_1$	177
6040.947928	6040.939086	8.842	$0.1394 \times 10^{-2}$	$0.1314 \times 10^{-2}$	6.053	8	$A_1$	1	8	$A_2$	86
6040.989537	6040.977410	12.127	$0.8080 \times 10^{-3}$	$0.7563 \times 10^{-3}$	6.833	8	$F_1$	1	8	$F_2$	270
6041.006166	6040.992890	13.276	$0.5255 \times 10^{-3}$	$0.5049 \times 10^{-3}$	4.075	8	$E$	1	8	$E$	180
6041.042650	6041.027375	15.275		$0.1398 \times 10^{-4}$		4	$F_2$	1	4	$F_1$	137
6041.127330	6041.140795	-13.465	$0.1184 \times 10^{-3}$	$0.1137 \times 10^{-3}$	4.146	5	$E$	1	5	$E$	114
6041.409000	6041.422700	-13.700		$0.4244 \times 10^{-4}$		5	$F_1$	2	5	$F_2$	169
6041.422978	6041.437280	-14.302	$0.2693 \times 10^{-3}$	$0.2301 \times 10^{-3}$	17.039	5	$F_1$	1	5	$F_2$	169
6041.468888	6041.479228	-10.340	$0.7599 \times 10^{-4}$	$0.7055 \times 10^{-4}$	7.707	6	$F_1$	1	6	$F_2$	208
6041.496613	6041.493060	3.553	$0.7753 \times 10^{-3}$	$0.7424 \times 10^{-3}$	4.427	7	$F_1$	1	7	$F_2$	234
6041.518860	6041.513394	5.466		$0.3587 \times 10^{-4}$		7	$F_2$	2	7	$F_1$	240
6041.557837	6041.551412	6.425	$0.7273 \times 10^{-3}$	$0.6972 \times 10^{-3}$	4.319	7	$F_2$	1	7	$F_1$	240
6041.765000	6041.807308	-42.308		$0.2723 \times 10^{-4}$		6	$F_1$	1	7	$F_2$	223
6041.817830	6041.823833	-6.003	$0.5000 \times 10^{-4}$	$0.4667 \times 10^{-4}$	7.144	4	$F_2$	1	4	$F_1$	138
6041.973947	6041.977214	-3.267	$0.4081 \times 10^{-3}$	$0.4063 \times 10^{-3}$	0.435	6	$E$	1	6	$E$	138
6042.023037	6042.025157	-2.120	$0.5994 \times 10^{-3}$	$0.5710 \times 10^{-3}$	4.971	6	$F_2$	1	6	$F_1$	200
6042.091111	6042.091577	-0.466	$0.1182 \times 10^{-2}$	$0.1034 \times 10^{-2}$	14.284	6	$A_2$	1	6	$A_1$	72
6042.168000	6042.161582	6.418	$0.4215 \times 10^{-4}$	$0.3951 \times 10^{-4}$	6.682	6	$F_2$	2	7	$F_1$	228
6042.187221	6042.183299	3.922		$0.1774 \times 10^{-4}$		6	$F_2$	1	7	$F_1$	228
6042.386867	6042.383146	3.721	$0.3787 \times 10^{-4}$	$0.3365 \times 10^{-4}$	12.529	3	$F_2$	1	3	$F_1$	113
6042.415355	6042.422556	-7.201	$0.3814 \times 10^{-3}$	$0.3741 \times 10^{-3}$	1.953	5	$F_1$	1	5	$F_2$	170
6042.439134	6042.449032	-9.898	$0.7457 \times 10^{-3}$	$0.7423 \times 10^{-3}$	0.453	4	$A_1$	1	4	$A_2$	44
6042.517056	6042.522290	-5.234	$0.4389 \times 10^{-3}$	$0.4357 \times 10^{-3}$	0.731	5	$F_2$	1	5	$F_1$	178
6042.855689	6042.796547	59.142		$0.1274 \times 10^{-3}$		6	$A_2$	1	7	$A_1$	71
6042.881821	6042.886375	-4.554	$0.1969 \times 10^{-3}$	$0.2057 \times 10^{-3}$	-4.266	4	$F_1$	1	4	$F_2$	144
6042.935493	6042.935315	0.178		$0.1964 \times 10^{-3}$		3	$F_1$	1	3	$F_2$	108
6043.233250	6043.220491	12.759	$0.4572 \times 10^{-4}$	$0.4905 \times 10^{-4}$	-6.786	2	$E$	1	2	$E$	54
6043.304090	6043.302208	1.882	$0.7476 \times 10^{-4}$	$0.7781 \times 10^{-4}$	-3.914	3	$F_2$	1	3	$F_1$	114
6043.429080	6043.417369	11.711	$0.3493 \times 10^{-4}$	$0.3655 \times 10^{-4}$	-4.430	2	$F_2$	1	2	$F_1$	74
6043.573000	6043.547741	25.259	$0.6813 \times 10^{-5}$	$0.8044 \times 10^{-5}$	-15.300	1	$F_1$	1	1	$F_2$	44
6044.122840	6044.127394	-4.554	$0.1524 \times 10^{-3}$	$0.2986 \times 10^{-6}$	50930.142	1	$F_1$	1	0	$F_2$	19
6045.106078	6045.102811	3.267	$0.3591 \times 10^{-3}$	$0.4835 \times 10^{-5}$	7326.877	2	$F_2$	1	1	$F_1$	55
6045.559041	6045.559165	-0.124	$0.2366 \times 10^{-3}$	$0.3077 \times 10^{-5}$	7590.113	2	$E$	1	1	$E$	33
6045.740190	6045.742427	-2.237		$0.5239 \times 10^{-5}$		3	$F_2$	1	4	$F_1$	135
6046.942770	6046.946565	-3.795	$0.2153 \times 10^{-1}$	$0.2219 \times 10^{-1}$	-2.993	3	$F_1$	1	4	$F_2$	142
6046.952120	6046.955168	-3.048	$0.2153 \times 10^{-1}$	$0.2217 \times 10^{-1}$	-2.892	3	$F_2$	1	4	$F_1$	136
6046.964700	6046.965367	-0.667	$0.3582 \times 10^{-1}$	$0.3691 \times 10^{-1}$	-2.966	3	$A_2$	1	4	$A_1$	51
6051.617910	6051.652317	-34.407	$0.8342 \times 10^{-4}$	$0.8404 \times 10^{-4}$	-0.738	6	$A_1$	1	7	$A_2$	79
6052.056480	6052.052423	4.057	$0.4443 \times 10^{-4}$	$0.3326 \times 10^{-4}$	33.578	6	$F_1$	1	7	$F_2$	225
6052.267000	6052.253233	13.767	$0.3173 \times 10^{-4}$	$0.2977 \times 10^{-4}$	6.582	6	$F_2$	2	7	$F_1$	230
6053.355896	6053.370175	-14.279		$0.6496 \times 10^{-5}$		4	$F_1$	1	5	$F_2$	164
6053.379455	6053.397575	-18.120		$0.2028 \times 10^{-4}$		4	$A_1$	1	5	$A_2$	58
6053.738957	6053.737763	1.194		$0.3616 \times 10^{-6}$		4	$F_1$	1	4	$F_2$	145
6053.773364	6053.773674	-0.310		$0.1130 \times 10^{-5}$		6	$F_1$	1	6	$F_2$	209

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6053.818592	6053.810166	8.426		$0.3035 \times 10^{-6}$		3	$F_2$	1	3	$F_1$	115
6053.913770	6053.914643	-0.873	$0.2120 \times 10^{-4}$	$0.3304 \times 10^{-5}$	541.589	6	$F_2$	2	6	$F_1$	201
6053.929852	6053.927556	2.296		$0.1328 \times 10^{-5}$		4	$F_2$	1	4	$F_1$	139
6053.938390	6053.939273	-0.883		$0.1944 \times 10^{-5}$		5	$E$	1	5	$E$	115
6053.946000	6053.945230	0.770		$0.9191 \times 10^{-5}$		7	$A_2$	1	7	$A_1$	75
6054.432502	6054.428607	3.895	$0.4878 \times 10^{-3}$	$0.6271 \times 10^{-5}$	7678.128	1	$F_1$	1	1	$F_2$	45
6054.817710	6054.819411	-1.701	$0.6757 \times 10^{-3}$	$0.1303 \times 10^{-4}$	5086.492	2	$F_2$	1	2	$F_1$	75
6055.070355	6055.061827	8.528	$0.4912 \times 10^{-3}$	$0.9316 \times 10^{-5}$	5172.715	2	$E$	1	2	$E$	55
6055.085031	6055.097761	-12.730	$0.1221 \times 10^{-2}$	$0.3867 \times 10^{-4}$	3057.298	3	$A_2$	1	3	$A_1$	33
6055.452946	6055.464635	-11.689	$0.1018 \times 10^{-4}$	$0.1925 \times 10^{-5}$	428.719	6	$F_1$	1	6	$F_2$	210
6055.527942	6055.531268	-3.326	$0.7293 \times 10^{-3}$	$0.2342 \times 10^{-4}$	3013.465	3	$F_2$	1	3	$F_1$	116
6055.616000	6055.622009	-6.009	$0.1776 \times 10^{-4}$	$0.1007 \times 10^{-4}$	76.298	4	$E$	1	5	$E$	112
6055.802000	6055.808666	-6.666	$0.4893 \times 10^{-5}$	$0.2206 \times 10^{-5}$	121.783	7	$F_2$	2	7	$F_1$	242
6055.899156	6055.895416	3.740	$0.7647 \times 10^{-3}$	$0.2322 \times 10^{-4}$	3193.020	3	$F_1$	1	3	$F_2$	109
6056.001932	6056.012778	-10.846	$0.6529 \times 10^{-3}$	$0.3616 \times 10^{-4}$	1705.454	4	$F_2$	1	4	$F_1$	140
6056.024602	6056.038457	-13.855		$0.5043 \times 10^{-6}$		2	$F_2$	1	2	$F_1$	76
6056.125000	6056.135714	-10.714		$0.4730 \times 10^{-5}$		7	$F_1$	2	7	$F_2$	235
6056.465778	6056.469138	-3.360	$0.4340 \times 10^{-3}$	$0.2402 \times 10^{-4}$	1706.942	4	$E$	1	4	$E$	97
6056.784463	6056.794005	-9.542	$0.1236 \times 10^{-3}$	$0.2845 \times 10^{-5}$	4243.851	3	$F_1$	1	3	$F_2$	110
6056.813680	6056.810492	3.188	$0.5866 \times 10^{-3}$	$0.3084 \times 10^{-4}$	1802.288	4	$F_1$	1	4	$F_2$	146
6056.840288	6056.847870	-7.582	$0.5248 \times 10^{-3}$	$0.5224 \times 10^{-4}$	904.677	5	$F_1$	2	5	$F_2$	172
6057.080270	6057.088425	-8.155	$0.3750 \times 10^{-1}$	$0.3802 \times 10^{-1}$	-1.363	4	$A_1$	1	5	$A_2$	59
6057.092690	6057.100460	-7.770	$0.2258 \times 10^{-1}$	$0.2277 \times 10^{-1}$	-0.855	4	$F_1$	1	5	$F_2$	167
6057.100560	6057.108965	-8.405	$0.1515 \times 10^{-1}$	$0.1517 \times 10^{-1}$	-0.113	4	$E$	1	5	$E$	113
6057.126490	6057.131010	-4.520	$0.2270 \times 10^{-1}$	$0.2270 \times 10^{-1}$	-0.004	4	$F_2$	1	5	$F_1$	175
6057.232198	6057.233086	-0.888		$0.3109 \times 10^{-4}$		5	$E$	1	5	$E$	116
6057.526214	6057.517789	8.425	$0.1502 \times 10^{-2}$	$0.6660 \times 10^{-4}$	2155.112	4	$A_1$	1	4	$A_2$	45
6057.532708	6057.531071	1.637		$0.1191 \times 10^{-3}$		6	$A_1$	1	6	$A_2$	67
6057.642736	6057.631509	11.227	$0.4418 \times 10^{-3}$	$0.4186 \times 10^{-4}$	955.322	5	$F_2$	1	5	$F_1$	180
6057.744817	6057.747516	-2.699	$0.1359 \times 10^{-3}$	$0.6232 \times 10^{-5}$	2080.828	4	$F_1$	1	4	$F_2$	147
6057.806822	6057.817792	-10.970		$0.3291 \times 10^{-6}$		4	$F_2$	1	4	$F_1$	141
6057.971813	6057.965133	6.680	$0.3476 \times 10^{-3}$	$0.6305 \times 10^{-4}$	451.346	6	$F_1$	1	6	$F_2$	211
6058.325851	6058.311770	14.081	$0.2811 \times 10^{-3}$	$0.4904 \times 10^{-4}$	473.148	6	$F_2$	2	6	$F_1$	202
6058.347846	6058.333486	14.360		$0.8196 \times 10^{-5}$		6	$F_2$	1	6	$F_1$	202
6058.514000	6058.514769	-0.769		$0.4998 \times 10^{-5}$		4	$F_1$	1	4	$F_2$	148
6058.527000	6058.527348	-0.348	$0.7339 \times 10^{-4}$	$0.5325 \times 10^{-5}$	1278.188	4	$E$	1	4	$E$	98
6058.658145	6058.633181	24.964	$0.5274 \times 10^{-3}$	$0.8281 \times 10^{-4}$	536.868	6	$A_2$	1	6	$A_1$	73
6058.759867	6058.742220	17.647	$0.2143 \times 10^{-3}$	$0.7443 \times 10^{-4}$	187.931	7	$F_1$	2	7	$F_2$	236
6058.810218	6058.813780	-3.562	$0.6647 \times 10^{-3}$	$0.4069 \times 10^{-4}$	1533.559	5	$F_1$	1	5	$F_2$	173
6058.897004	6058.892937	4.067	$0.3809 \times 10^{-4}$	$0.2866 \times 10^{-5}$	1228.915	5	$E$	1	5	$E$	117
6059.396760	6059.374212	22.548	$0.1597 \times 10^{-3}$	$0.5035 \times 10^{-4}$	217.204	7	$F_2$	2	7	$F_1$	243
6059.434770	6059.412230	22.540	$0.5098 \times 10^{-4}$	$0.1316 \times 10^{-4}$	287.360	7	$F_2$	1	7	$F_1$	243
6059.751090	6059.728366	22.724	$0.1235 \times 10^{-3}$	$0.7957 \times 10^{-4}$	55.214	8	$F_2$	2	8	$F_1$	267
6060.082110	6060.079949	2.161		$0.1271 \times 10^{-4}$		5	$F_1$	1	5	$F_2$	174
6060.128140	6060.123659	4.481	$0.1769 \times 10^{-3}$	$0.2165 \times 10^{-4}$	717.217	5	$F_2$	1	5	$F_1$	182
6060.203703	6060.210853	-7.150	$0.1398 \times 10^{-3}$	$0.1321 \times 10^{-4}$	958.689	6	$F_2$	2	6	$F_1$	203
6060.225871	6060.232569	-6.698	$0.3009 \times 10^{-3}$	$0.1939 \times 10^{-4}$	1451.750	6	$F_2$	1	6	$F_1$	203
6060.269274	6060.269032	0.242	$0.3180 \times 10^{-3}$	$0.2093 \times 10^{-4}$	1419.031	6	$E$	1	6	$E$	140
6060.317217	6060.306677	10.540		$0.8676 \times 10^{-5}$		6	$F_2$	1	6	$F_1$	204
6060.324181	6060.314275	9.906	$0.1174 \times 10^{-3}$	$0.6515 \times 10^{-4}$	80.208	8	$F_1$	2	8	$F_2$	273

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6060.561320	6060.550500	10.820	$0.1115 \times 10^{-3}$	$0.1358 \times 10^{-3}$	-17.916	9	$A_2$	1	9	$A_1$	97
6060.763070	6060.792352	-29.282	$0.1348 \times 10^{-4}$	$0.4974 \times 10^{-6}$	2610.123	1	$F_1$	1	1	$F_2$	46
6060.894870	6060.897135	-2.265	$0.6456 \times 10^{-4}$	$0.6878 \times 10^{-4}$	-6.129	9	$F_2$	2	9	$F_1$	307
6061.041850	6061.041851	-0.001		$0.3782 \times 10^{-5}$		9	$F_2$	1	9	$F_1$	307
6061.090160	6061.104577	-14.417	$0.9597 \times 10^{-4}$	$0.2496 \times 10^{-5}$	3744.974	2	$F_2$	1	2	$F_1$	77
6061.146100	6061.156729	-10.629	$0.5729 \times 10^{-4}$	$0.5877 \times 10^{-4}$	-2.521	9	$F_1$	3	9	$F_2$	299
6061.195850	6061.206449	-10.599		$0.7776 \times 10^{-5}$		9	$F_1$	2	9	$F_2$	299
6061.241770	6061.244295	-2.525	$0.4144 \times 10^{-4}$	$0.2058 \times 10^{-5}$	1913.396	2	$E$	1	2	$E$	56
6061.369570	6061.390382	-20.812	$0.1065 \times 10^{-3}$	$0.1123 \times 10^{-3}$	-5.161	9	$A_1$	1	9	$A_2$	104
6061.458680	6061.451778	6.902	$0.5610 \times 10^{-4}$	$0.2478 \times 10^{-5}$	2163.654	3	$F_1$	1	3	$F_2$	111
6061.462323	6061.467983	-5.660		$0.7256 \times 10^{-6}$		2	$F_2$	1	2	$F_1$	78
6061.672147	6061.672758	-0.611		$0.3902 \times 10^{-5}$		7	$F_1$	1	7	$F_2$	237
6061.711830	6061.703977	7.853	$0.2363 \times 10^{-3}$	$0.8158 \times 10^{-5}$	2796.685	3	$F_2$	1	3	$F_1$	118
6061.740416	6061.745881	-5.465	$0.7802 \times 10^{-4}$	$0.1458 \times 10^{-4}$	435.257	7	$F_2$	2	7	$F_1$	244
6061.781126	6061.778165	2.961		$0.1036 \times 10^{-4}$		7	$F_1$	1	7	$F_2$	238
6061.879692	6061.878035	1.657		$0.1564 \times 10^{-4}$		3	$A_2$	1	3	$A_1$	34
6061.912784	6061.926067	-13.283	$0.6483 \times 10^{-3}$	$0.7591 \times 10^{-4}$	754.092	7	$A_2$	1	7	$A_1$	76
6061.979420	6061.987072	-7.652		$0.3583 \times 10^{-5}$		3	$F_1$	1	3	$F_2$	112
6062.050052	6062.046914	3.138		$0.3445 \times 10^{-4}$		6	$F_2$	1	6	$F_1$	205
6062.082000	6062.089347	-7.347		$0.1918 \times 10^{-5}$		3	$F_1$	1	3	$F_2$	113
6062.133000	6062.140421	-7.421	$0.1957 \times 10^{-4}$	$0.3795 \times 10^{-7}$	51463.114	3	$F_2$	1	3	$F_1$	119
6062.243980	6062.237633	6.347		$0.1458 \times 10^{-5}$		4	$F_2$	1	4	$F_1$	142
6062.582408	6062.567668	14.740	$0.1772 \times 10^{-3}$	$0.1139 \times 10^{-4}$	1455.120	4	$F_1$	1	4	$F_2$	150
6062.658349	6062.666286	-7.937		$0.3208 \times 10^{-5}$		5	$F_2$	1	6	$F_1$	194
6062.638093	6062.683412	-45.319		$0.2685 \times 10^{-4}$		4	$A_1$	1	4	$A_2$	46
6062.824980	6062.852583	-27.603	$0.6664 \times 10^{-3}$	$0.7915 \times 10^{-6}$	84099.072	8	$A_1$	1	8	$A_2$	87
6062.856236	6062.886246	-30.010	$0.3711 \times 10^{-3}$	$0.2080 \times 10^{-6}$	178349.447	8	$F_1$	1	8	$F_2$	274
6062.873380	6062.904017	-30.637	$0.2476 \times 10^{-3}$	$0.5788 \times 10^{-7}$	427686.248	8	$E$	1	8	$E$	183
6063.022850	6063.039329	-16.479		$0.3917 \times 10^{-7}$		4	$E$	1	4	$E$	100
6063.082770	6063.067994	14.776		$0.1002 \times 10^{-4}$		5	$F_2$	1	5	$F_1$	184
6063.067900	6063.079991	-12.091		$0.1443 \times 10^{-5}$		4	$F_2$	1	4	$F_1$	144
6063.154494	6063.139578	14.916		$0.4437 \times 10^{-5}$		5	$F_1$	2	5	$F_2$	175
6063.169711	6063.154158	15.553	$0.1888 \times 10^{-3}$	$0.1738 \times 10^{-4}$	986.014	5	$F_1$	1	5	$F_2$	175
6063.390860	6063.377475	13.385		$0.1085 \times 10^{-4}$		6	$A_2$	1	6	$A_1$	75
6063.460785	6063.455655	5.130		$0.7745 \times 10^{-6}$		4	$F_2$	1	4	$F_1$	145
6063.485898	6063.491085	-5.187	$0.2537 \times 10^{-3}$	$0.1058 \times 10^{-4}$	2297.658	6	$F_2$	1	6	$F_1$	206
6063.532751	6063.552373	-19.622	$0.3100 \times 10^{-4}$	$0.1583 \times 10^{-6}$	19478.501	6	$F_1$	1	6	$F_2$	214
6063.614560	6063.582856	31.704		$0.1575 \times 10^{-4}$		5	$E$	1	5	$E$	119
6063.756874	6063.741751	15.123	$0.2843 \times 10^{-3}$	$0.2643 \times 10^{-4}$	975.593	8	$F_2$	1	8	$F_1$	269
6064.000930	6063.983667	17.263		$0.2372 \times 10^{-4}$		1	$F_1$	1	2	$F_2$	82
6064.324974	6064.313049	11.925		$0.3947 \times 10^{-4}$		6	$A_1$	1	6	$A_2$	68
6064.375696	6064.370340	5.356	$0.9746 \times 10^{-3}$	$0.2406 \times 10^{-4}$	3950.045	0	$A_1$	1	1	$A_2$	19
6064.570242	6064.533491	36.751	$0.3026 \times 10^{-3}$	$0.2959 \times 10^{-4}$	922.767	6	$F_2$	2	6	$F_1$	208
6064.730547	6064.711811	18.736		$0.2347 \times 10^{-6}$		5	$F_2$	1	5	$F_1$	186
6064.788610	6064.812205	-23.595		$0.1438 \times 10^{-5}$		8	$E$	2	8	$E$	184
6064.875670	6064.897847	-22.177		$0.2897 \times 10^{-4}$		8	$E$	1	8	$E$	184
6064.929410	6064.940901	-11.491	$0.6970 \times 10^{-4}$	$0.3557 \times 10^{-6}$	19494.343	8	$F_1$	2	8	$F_2$	276
6064.999662	6065.011959	-12.297		$0.3852 \times 10^{-4}$		8	$F_1$	1	8	$F_2$	276
6065.166880	6065.165919	0.961	$0.7743 \times 10^{-4}$	$0.1192 \times 10^{-5}$	6397.370	5	$F_1$	2	5	$F_2$	178
6065.271260	6065.264668	6.592	$0.1045 \times 10^{-3}$	$0.5584 \times 10^{-6}$	18615.135	5	$E$	1	5	$E$	120



Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6065.343180	6065.352295	-9.115		$0.2014 \times 10^{-4}$		5	$F_2$	1	6	$F_1$	195
6065.649444	6065.660935	-11.491		$0.1588 \times 10^{-6}$		1	$F_1$	1	1	$F_2$	47
6065.958375	6065.972600	-14.225	$0.4609 \times 10^{-3}$	$0.1794 \times 10^{-6}$	256833.071	2	$E$	1	2	$E$	57
6066.024147	6066.033023	-8.876	$0.4956 \times 10^{-3}$	$0.1525 \times 10^{-6}$	324953.349	2	$F_2$	1	2	$F_1$	79
6066.110721	6066.111390	-0.669	$0.3875 \times 10^{-3}$	$0.8473 \times 10^{-7}$	457240.999	3	$F_2$	1	3	$F_1$	120
6066.148834	6066.153227	-4.393	$0.2649 \times 10^{-3}$	$0.7023 \times 10^{-7}$	377103.582	4	$E$	1	4	$E$	101
6066.165665	6066.168060	-2.395		$0.1352 \times 10^{-4}$		6	$A_1$	1	6	$A_2$	69
6066.274974	6066.282812	-7.838	$0.6441 \times 10^{-3}$	$0.4231 \times 10^{-6}$	152143.812	3	$F_1$	1	3	$F_2$	114
6066.309483	6066.310330	-0.847	$0.4467 \times 10^{-3}$	$0.3397 \times 10^{-6}$	131385.560	4	$F_1$	1	4	$F_2$	152
6066.332223	6066.338382	-6.159	$0.3261 \times 10^{-3}$	$0.2623 \times 10^{-6}$	124220.761	5	$F_2$	1	5	$F_1$	187
6066.615835	6066.632448	-16.613		$0.1679 \times 10^{-6}$		6	$A_2$	1	6	$A_1$	76
6066.707797	6066.708410	-0.613	$0.1267 \times 10^{-2}$	$0.2210 \times 10^{-5}$	57241.023	4	$A_1$	1	4	$A_2$	47
6066.844580	6066.851098	-6.518	$0.1387 \times 10^{-3}$	$0.7779 \times 10^{-6}$	17730.411	6	$F_2$	1	6	$F_1$	210
6067.081860	6067.092307	-10.447	$0.2171 \times 10^{-1}$	$0.2150 \times 10^{-1}$	0.988	5	$F_1$	1	6	$F_2$	204
6067.099820	6067.112777	-12.957	$0.2207 \times 10^{-1}$	$0.2144 \times 10^{-1}$	2.917	5	$F_2$	1	6	$F_1$	197
6067.148480	6067.153221	-4.741	$0.1429 \times 10^{-1}$	$0.1424 \times 10^{-1}$	0.378	5	$E$	1	6	$E$	135
6067.155540	6067.161836	-6.296	$0.2141 \times 10^{-1}$	$0.2133 \times 10^{-1}$	0.362	5	$F_1$	2	6	$F_2$	205
6067.520000	6067.498865	21.135	$0.2416 \times 10^{-3}$	$0.8322 \times 10^{-6}$	28931.937	8	$F_1$	2	8	$F_2$	280
6067.502380	6067.504892	-2.512	$0.8787 \times 10^{-4}$	$0.2715 \times 10^{-7}$	323513.402	2	$F_2$	1	2	$F_1$	80
6067.562004	6067.560227	1.777		$0.3334 \times 10^{-6}$		6	$F_2$	2	6	$F_1$	211
6067.591030	6067.569923	21.107		$0.3791 \times 10^{-4}$		8	$F_1$	1	8	$F_2$	280
6067.583428	6067.581943	1.485		$0.1630 \times 10^{-5}$		6	$F_2$	1	6	$F_1$	211
6067.822803	6067.818687	4.116		$0.2365 \times 10^{-6}$		4	$F_1$	1	4	$F_2$	153
6067.978840	6067.981708	-2.868		$0.1716 \times 10^{-6}$		4	$F_2$	1	4	$F_1$	146
6068.152585	6068.175434	-22.849	$0.9086 \times 10^{-3}$	$0.6173 \times 10^{-7}$	-100.000	3	$A_2$	1	3	$A_1$	35
6068.778730	6068.766996	11.734		$0.6343 \times 10^{-6}$		5	$F_1$	1	5	$F_2$	180
6068.765500	6068.771784	-6.284		$0.2797 \times 10^{-7}$		3	$F_2$	1	3	$F_1$	122
6068.989315	6068.981205	8.110		$0.5182 \times 10^{-6}$		5	$E$	1	5	$E$	121
6069.520628	6069.520582	0.046	$0.1693 \times 10^{-3}$	$0.1197 \times 10^{-6}$	141320.957	7	$F_2$	2	7	$F_1$	252
6069.560069	6069.558601	1.468		$0.3239 \times 10^{-5}$		7	$F_2$	1	7	$F_1$	252
6069.766490	6069.763216	3.274	$0.5407 \times 10^{-4}$	$0.4917 \times 10^{-8}$	-100.000	8	$F_1$	2	8	$F_2$	282
6069.786000	6069.784329	1.671	$0.7339 \times 10^{-5}$	$0.1491 \times 10^{-7}$	49115.401	9	$F_1$	3	9	$F_2$	306
6069.835284	6069.834049	1.235		$0.7384 \times 10^{-7}$		9	$F_1$	2	9	$F_2$	306
6069.896690	6069.911427	-14.737	$0.3552 \times 10^{-3}$	$0.8549 \times 10^{-8}$	-100.000	4	$F_2$	1	4	$F_1$	147
6069.922300	6069.912467	9.833		$0.2523 \times 10^{-8}$		3	$F_1$	1	3	$F_2$	115
6070.023509	6070.026660	-3.151	$0.3667 \times 10^{-3}$	$0.2769 \times 10^{-5}$	13141.920	7	$A_2$	1	7	$A_1$	78
6070.085400	6070.061299	24.101		$0.1856 \times 10^{-5}$		6	$F_2$	2	6	$F_1$	212
6070.107000	6070.083015	23.985		$0.6804 \times 10^{-6}$		6	$F_2$	1	6	$F_1$	212
6070.132719	6070.120812	11.907	$0.2830 \times 10^{-3}$	$0.9309 \times 10^{-5}$	2940.058	9	$A_1$	1	9	$A_2$	106
6070.376880	6070.383924	-7.044	$0.1925 \times 10^{-3}$	$0.4081 \times 10^{-5}$	4617.429	8	$F_2$	2	8	$F_1$	275
6070.416030	6070.424318	-8.288	$0.1435 \times 10^{-4}$	$0.1713 \times 10^{-5}$	737.826	8	$F_2$	1	8	$F_1$	275
6070.504650	6070.495868	8.782	$0.3371 \times 10^{-4}$	$0.1341 \times 10^{-5}$	2414.254	9	$F_1$	2	9	$F_2$	307
6070.574660	6070.555940	18.720	$0.9365 \times 10^{-4}$	$0.2294 \times 10^{-4}$	308.237	8	$A_1$	1	8	$A_2$	91
6070.656000	6070.641521	14.479		$0.9510 \times 10^{-9}$		8	$F_1$	2	8	$F_2$	283
6070.699370	6070.704444	-5.074	$0.8912 \times 10^{-4}$	$0.1451 \times 10^{-8}$	-100.000	4	$F_1$	1	4	$F_2$	154
6071.215510	6071.184627	30.883	$0.1506 \times 10^{-3}$	$0.5658 \times 10^{-5}$	2561.889	9	$F_1$	3	9	$F_2$	308
6071.313730	6071.309602	4.128	$0.1049 \times 10^{-3}$	$0.1169 \times 10^{-8}$	-100.000	4	$E$	1	4	$E$	102
6071.353070	6071.322669	30.401	$0.1171 \times 10^{-4}$	$0.9914 \times 10^{-5}$	18.111	9	$F_1$	1	9	$F_2$	308
6071.536630	6071.525214	11.416	$0.1234 \times 10^{-4}$	$0.1320 \times 10^{-4}$	-6.527	6	$A_1$	1	7	$A_2$	80
6071.790300	6071.799404	-9.104		$0.2337 \times 10^{-5}$		6	$F_2$	1	7	$F_1$	231

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6071.848510	6071.843671	4.839	$0.3577 \times 10^{-4}$	$0.6297 \times 10^{-6}$	5580.365	8	$F_2$	2	8	$F_1$	277
6071.887080	6071.884066	3.014		$0.6516 \times 10^{-5}$		8	$F_2$	1	8	$F_1$	277
6071.952240	6071.951252	0.988		$0.1104 \times 10^{-4}$		6	$E$	1	7	$E$	152
6071.975890	6071.981962	-6.072	$0.1550 \times 10^{-3}$	$0.1304 \times 10^{-6}$	118722.094	5	$E$	1	5	$E$	122
6072.043730	6072.046539	-2.809	$0.2072 \times 10^{-3}$	$0.1580 \times 10^{-6}$	131035.157	5	$F_1$	2	5	$F_2$	181
6072.093854	6072.087624	6.230		$0.5035 \times 10^{-10}$		4	$F_2$	1	4	$F_1$	148
6072.248000	6072.247152	0.848		$0.3079 \times 10^{-5}$		9	$F_1$	2	9	$F_2$	309
6072.336640	6072.335474	1.166	$0.2107 \times 10^{-4}$	$0.8961 \times 10^{-5}$	135.119	9	$F_1$	1	9	$F_2$	309
6072.500850	6072.495516	5.334	$0.1094 \times 10^{-3}$	$0.3808 \times 10^{-5}$	2772.803	9	$F_2$	2	9	$F_1$	317
6072.959600	6072.958365	1.235	$0.3241 \times 10^{-4}$	$0.1429 \times 10^{-5}$	2167.958	10	$F_1$	2	10	$F_2$	346
6073.033270	6073.033845	-0.575		$0.9513 \times 10^{-5}$		10	$F_1$	1	10	$F_2$	346
6073.086490	6073.071936	14.554	$0.1537 \times 10^{-4}$	$0.2704 \times 10^{-8}$	568368.745	4	$F_1$	1	4	$F_2$	155
6073.296254	6073.301043	-4.789	$0.2586 \times 10^{-4}$	$0.8929 \times 10^{-5}$	189.605	10	$F_2$	2	10	$F_1$	339
6073.376660	6073.376909	-0.249	$0.4719 \times 10^{-4}$	$0.8306 \times 10^{-8}$	568010.642	5	$F_1$	2	5	$F_2$	182
6073.391500	6073.391490	0.010	$0.3153 \times 10^{-4}$	$0.1421 \times 10^{-8}$	-100.000	5	$F_1$	1	5	$F_2$	182
6073.407801	6073.421790	-13.989	$0.3112 \times 10^{-3}$	$0.1217 \times 10^{-4}$	2457.452	9	$A_2$	1	9	$A_1$	101
6073.482917	6073.485419	-2.502		$0.7757 \times 10^{-7}$		8	$F_2$	1	8	$F_1$	278
6073.636870	6073.656736	-19.866		$0.3763 \times 10^{-4}$		10	$A_2$	1	10	$A_1$	119
6073.743000	6073.757624	-14.624		$0.3973 \times 10^{-5}$		8	$F_1$	2	8	$F_2$	285
6073.819290	6073.817591	1.699		$0.8426 \times 10^{-4}$		2	$F_2$	1	3	$F_1$	113
6074.017350	6074.014914	2.436	$0.5688 \times 10^{-4}$	$0.1275 \times 10^{-7}$	445880.420	5	$F_2$	1	5	$F_1$	189
6074.099560	6074.093929	5.631	$0.4470 \times 10^{-4}$	$0.4717 \times 10^{-4}$	-5.238	2	$E$	1	3	$E$	72
6074.362330	6074.359067	3.263	$0.9605 \times 10^{-4}$	$0.5659 \times 10^{-6}$	16873.086	6	$F_2$	2	6	$F_1$	213
6074.448310	6074.444119	4.191	$0.8550 \times 10^{-4}$	$0.4634 \times 10^{-6}$	18351.518	6	$F_1$	1	6	$F_2$	221
6074.736228	6074.726693	9.535	$0.8741 \times 10^{-3}$	$0.4691 \times 10^{-4}$	1763.212	1	$F_1$	1	2	$F_2$	83
6074.917661	6074.933450	-15.789	$0.1879 \times 10^{-3}$	$0.7392 \times 10^{-4}$	154.177	6	$A_2$	1	7	$A_1$	72
6075.053655	6075.036537	17.118	$0.2943 \times 10^{-3}$	$0.7384 \times 10^{-6}$	39755.986	6	$A_1$	1	6	$A_2$	70
6075.786250	6075.786237	0.013		$0.9862 \times 10^{-7}$		6	$F_1$	1	6	$F_2$	222
6075.877670	6075.882531	-4.861	$0.1437 \times 10^{-4}$	$0.1795 \times 10^{-5}$	700.429	9	$F_2$	2	9	$F_1$	320
6075.995620	6076.002145	-6.525	$0.1627 \times 10^{-4}$	$0.7239 \times 10^{-5}$	124.740	10	$F_1$	1	10	$F_2$	349
6076.108778	6076.123871	-15.093	$0.9032 \times 10^{-3}$	$0.5232 \times 10^{-5}$	17162.265	0	$A_1$	1	1	$A_2$	20
6076.205980	6076.195610	10.370		$0.4403 \times 10^{-7}$		5	$F_2$	1	5	$F_1$	190
6076.314350	6076.324913	-10.563		$0.1953 \times 10^{-7}$		6	$E$	1	6	$E$	147
6076.469790	6076.474669	-4.879		$0.3344 \times 10^{-4}$		10	$A_2$	1	10	$A_1$	120
6076.701190	6076.727426	-26.236	$0.5695 \times 10^{-4}$	$0.1666 \times 10^{-5}$	3318.713	10	$F_2$	3	10	$F_1$	342
6076.749299	6076.768854	-19.555		$0.1034 \times 10^{-6}$		1	$F_1$	1	2	$F_2$	84
6076.927000	6076.939746	-12.746	$0.1197 \times 10^{-1}$	$0.1253 \times 10^{-1}$	-4.485	6	$E$	1	7	$E$	154
6076.935010	6076.947524	-12.514		$0.1876 \times 10^{-1}$		6	$F_2$	1	7	$F_1$	235
6076.953830	6076.973634	-19.804		$0.3120 \times 10^{-1}$		6	$A_2$	1	7	$A_1$	73
6077.029070	6077.033468	-4.398	$0.1995 \times 10^{-1}$	$0.1858 \times 10^{-1}$	7.385	6	$F_2$	2	7	$F_1$	236
6077.047000	6077.052022	-5.022	$0.1836 \times 10^{-1}$	$0.1857 \times 10^{-1}$	-1.111	6	$F_1$	1	7	$F_2$	230
6077.062910	6077.067431	-4.521	$0.3046 \times 10^{-1}$	$0.3090 \times 10^{-1}$	-1.410	6	$A_1$	1	7	$A_2$	81
6077.125000	6077.154254	-29.254	$0.4893 \times 10^{-4}$	$0.9655 \times 10^{-5}$	406.785	9	$A_1$	1	9	$A_2$	108
6078.026000	6078.023870	2.130		$0.8811 \times 10^{-6}$		11	$F_1$	3	11	$F_2$	376
6078.100840	6078.088740	12.100	$0.8134 \times 10^{-4}$	$0.8742 \times 10^{-6}$	9204.658	7	$F_1$	2	7	$F_2$	248
6078.184160	6078.137242	46.918		$0.1794 \times 10^{-5}$		11	$E$	2	11	$E$	251
6078.960369	6078.975705	-15.336		$0.4830 \times 10^{-5}$		11	$F_2$	2	11	$F_1$	383
6079.129240	6079.144885	-15.645	$0.1952 \times 10^{-4}$	$0.1659 \times 10^{-4}$	17.688	11	$F_2$	1	11	$F_1$	383
6079.301090	6079.292752	8.338	$0.7975 \times 10^{-4}$	$0.6517 \times 10^{-6}$	12137.764	6	$A_2$	1	6	$A_1$	77
6079.878758	6079.878232	0.526		$0.9934 \times 10^{-7}$		6	$F_2$	2	6	$F_1$	215

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6079.882880	6079.878690	4.190		$0.1329 \times 10^{-5}$		8	$F_2$	1	8	$F_1$	280
6080.785642	6080.796589	-10.947		$0.6491 \times 10^{-5}$		7	$E$	1	8	$E$	174
6080.859531	6080.863634	-4.103		$0.3653 \times 10^{-5}$		7	$F_1$	1	8	$F_2$	261
6081.066953	6081.048359	18.594		$0.1689 \times 10^{-4}$		7	$F_1$	1	8	$F_2$	262
6081.102970	6081.090689	12.281	$0.6899 \times 10^{-4}$	$0.5077 \times 10^{-4}$	35.874	7	$A_2$	1	8	$A_1$	91
6081.358810	6081.371838	-13.028		$0.8122 \times 10^{-6}$		8	$F_2$	2	8	$F_1$	281
6081.398670	6081.412233	-13.563		$0.1370 \times 10^{-6}$		8	$F_2$	1	8	$F_1$	281
6081.949280	6081.958031	-8.751		$0.6951 \times 10^{-8}$		1	$F_1$	1	2	$F_2$	85
6082.270670	6082.291826	-21.156	$0.2309 \times 10^{-4}$	$0.3978 \times 10^{-6}$	5703.728	1	$F_1$	1	2	$F_2$	86
6082.890755	6082.881462	9.293		$0.2756 \times 10^{-5}$		9	$A_1$	1	9	$A_2$	109
6082.947500	6082.930534	16.966	$0.1674 \times 10^{-4}$	$0.1550 \times 10^{-4}$	7.994	3	$F_2$	1	4	$F_1$	137
6083.359716	6083.369178	-9.462	$0.3591 \times 10^{-3}$	$0.3799 \times 10^{-3}$	-5.466	3	$A_2$	1	4	$A_1$	52
6083.402000	6083.409396	-7.396		$0.3717 \times 10^{-6}$		7	$F_2$	2	7	$F_1$	257
6083.440135	6083.447415	-7.280		$0.4620 \times 10^{-6}$		7	$F_2$	1	7	$F_1$	257
6083.643270	6083.642965	0.305	$0.1676 \times 10^{-3}$	$0.1932 \times 10^{-3}$	-13.263	8	$F_2$	2	9	$F_1$	291
6083.721160	6083.726992	-5.832	$0.1498 \times 10^{-3}$	$0.1617 \times 10^{-3}$	-7.341	3	$F_2$	1	4	$F_1$	138
6083.860380	6083.803470	56.910	$0.1089 \times 10^{-3}$	$0.1275 \times 10^{-3}$	-14.563	8	$F_1$	2	9	$F_2$	284
6083.838580	6083.805911	32.669	$0.1172 \times 10^{-3}$	$0.1236 \times 10^{-3}$	-5.144	8	$E$	2	9	$E$	190
6083.987070	6083.994313	-7.243	$0.1105 \times 10^{-3}$	$0.1196 \times 10^{-3}$	-7.637	3	$F_1$	1	4	$F_2$	143
6084.286830	6084.161378	125.452	$0.1488 \times 10^{-3}$	$0.1344 \times 10^{-3}$	10.683	8	$F_2$	1	9	$F_1$	292
6084.337050	6084.336311	0.739		$0.1116 \times 10^{-5}$		7	$F_2$	1	8	$F_1$	257
6084.781100	6084.785289	-4.189		$0.1634 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	144
6085.165743	6085.158725	7.018	$0.7271 \times 10^{-3}$	$0.6793 \times 10^{-4}$	970.304	2	$E$	1	3	$E$	73
6085.251907	6085.244612	7.295	$0.1074 \times 10^{-2}$	$0.1017 \times 10^{-3}$	956.167	2	$F_2$	1	3	$F_1$	115
6086.003920	6086.006656	-2.736		$0.8591 \times 10^{-4}$		9	$A_2$	1	10	$A_1$	108
6086.217000	6086.230047	-13.047	$0.7339 \times 10^{-5}$	$0.1487 \times 10^{-5}$	393.406	10	$F_1$	1	10	$F_2$	354
6086.623270	6086.631868	-8.598	$0.1565 \times 10^{-1}$	$0.1532 \times 10^{-1}$	2.133	7	$F_1$	1	8	$F_2$	265
6086.634520	6086.648718	-14.198	$0.1553 \times 10^{-1}$	$0.1527 \times 10^{-1}$	1.735	7	$F_2$	1	8	$F_1$	259
6086.745180	6086.735503	9.677	$0.2579 \times 10^{-1}$	$0.2523 \times 10^{-1}$	2.208	7	$A_2$	1	8	$A_1$	92
6086.779080	6086.781341	-2.261		$0.1504 \times 10^{-1}$		7	$F_2$	2	8	$F_1$	260
6086.797520	6086.802655	-5.135		$0.1002 \times 10^{-1}$		7	$E$	1	8	$E$	177
6086.829720	6086.830292	-0.572	$0.1459 \times 10^{-1}$	$0.1499 \times 10^{-1}$	-2.660	7	$F_1$	2	8	$F_2$	266
6086.962500	6086.965714	-3.214		$0.2421 \times 10^{-5}$		2	$F_2$	1	3	$F_1$	116
6087.183355	6087.199363	-16.008	$0.8120 \times 10^{-3}$	$0.1428 \times 10^{-4}$	5587.953	1	$F_1$	1	2	$F_2$	87
6088.272000	6088.289602	-17.602		$0.9618 \times 10^{-6}$		2	$E$	1	3	$E$	74
6088.939940	6088.935413	4.527		$0.1329 \times 10^{-6}$		1	$F_1$	1	2	$F_2$	88
6089.291456	6089.226938	64.518		$0.5079 \times 10^{-5}$		8	$F_2$	2	9	$F_1$	293
6089.685840	6089.699942	-14.102	$0.1789 \times 10^{-4}$	$0.2087 \times 10^{-4}$	-14.281	8	$F_2$	2	9	$F_1$	294
6089.949480	6090.022394	-72.914	$0.4538 \times 10^{-4}$	$0.5695 \times 10^{-4}$	-20.315	8	$A_1$	1	9	$A_2$	99
6090.066016	6090.046537	19.479		$0.1390 \times 10^{-4}$		8	$E$	2	9	$E$	192
6090.110180	6090.089466	20.714	$0.1687 \times 10^{-4}$	$0.2224 \times 10^{-4}$	-24.160	8	$F_1$	1	9	$F_2$	286
6090.145570	6090.159173	-13.603	$0.4927 \times 10^{-4}$	$0.5269 \times 10^{-4}$	-6.499	8	$F_2$	1	9	$F_1$	295
6090.414060	6090.407324	6.736		$0.2083 \times 10^{-3}$		9	$A_1$	1	10	$A_2$	103
6092.122012	6092.110149	11.863	$0.1010 \times 10^{-4}$	$0.1119 \times 10^{-4}$	-9.743	4	$F_1$	1	5	$F_2$	168
6092.225280	6092.215019	10.261	$0.5761 \times 10^{-4}$	$0.5522 \times 10^{-4}$	4.333	4	$F_2$	1	5	$F_1$	176
6093.168209	6093.171045	-2.836	$0.1421 \times 10^{-4}$	$0.2607 \times 10^{-7}$	54403.801	2	$E$	1	3	$E$	75
6093.205670	6093.217426	-11.756	$0.2967 \times 10^{-3}$	$0.3029 \times 10^{-3}$	-2.042	4	$F_2$	1	5	$F_1$	177
6093.488540	6093.501944	-13.404	$0.1696 \times 10^{-3}$	$0.1717 \times 10^{-3}$	-1.239	4	$E$	1	5	$E$	114
6093.568000	6093.574867	-6.867	$0.7043 \times 10^{-4}$	$0.8310 \times 10^{-6}$	8375.757	2	$F_2$	1	3	$F_1$	119
6093.619000	6093.613758	5.242	$0.1547 \times 10^{-3}$	$0.4376 \times 10^{-4}$	253.486	8	$A_1$	1	9	$A_2$	100

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6093.607000	6093.623369	-16.369		$0.3081 \times 10^{-4}$		8	<i>E</i>	1	9	<i>E</i>	193
6093.715770	6093.718696	-2.926	$0.4059 \times 10^{-4}$	$0.3771 \times 10^{-6}$	10664.300	2	<i>E</i>	1	3	<i>E</i>	76
6093.774330	6093.786901	-12.571	$0.1772 \times 10^{-3}$	$0.1849 \times 10^{-3}$	-4.188	4	<i>F</i> <sub>1</sub>	1	5	<i>F</i> <sub>2</sub>	169
6094.473603	6094.481995	-8.392	$0.2708 \times 10^{-3}$	$0.2859 \times 10^{-3}$	-5.277	4	<i>A</i> <sub>1</sub>	1	5	<i>A</i> <sub>2</sub>	60
6094.763920	6094.772177	-8.257	$0.2613 \times 10^{-4}$	$0.2561 \times 10^{-4}$	2.011	4	<i>F</i> <sub>1</sub>	1	5	<i>F</i> <sub>2</sub>	170
6095.639840	6095.636677	3.163	$0.1153 \times 10^{-2}$	$0.1711 \times 10^{-3}$	573.911	3	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	145
6095.832156	6095.830714	1.442	$0.1123 \times 10^{-2}$	$0.1679 \times 10^{-3}$	568.928	3	<i>F</i> <sub>2</sub>	1	4	<i>F</i> <sub>1</sub>	139
6096.168360	6096.167082	1.278	$0.2006 \times 10^{-1}$	$0.1946 \times 10^{-1}$	3.074	8	<i>A</i> <sub>1</sub>	1	9	<i>A</i> <sub>2</sub>	101
6096.174730	6096.181696	-6.966	$0.1204 \times 10^{-1}$	$0.1166 \times 10^{-1}$	3.297	8	<i>F</i> <sub>1</sub>	1	9	<i>F</i> <sub>2</sub>	290
6096.180500	6096.190541	-10.041	$0.7596 \times 10^{-2}$	$0.7764 \times 10^{-2}$	-2.161	8	<i>E</i>	1	9	<i>E</i>	194
6096.255433	6096.252318	3.115	$0.2088 \times 10^{-2}$	$0.3086 \times 10^{-3}$	576.533	3	<i>A</i> <sub>2</sub>	1	4	<i>A</i> <sub>1</sub>	53
6096.372380	6096.352242	20.138	$0.1179 \times 10^{-1}$	$0.1140 \times 10^{-1}$	3.392	8	<i>F</i> <sub>2</sub>	1	9	<i>F</i> <sub>1</sub>	298
6096.424580	6096.427589	-3.009	$0.1163 \times 10^{-1}$	$0.1132 \times 10^{-1}$	2.711	8	<i>F</i> <sub>1</sub>	2	9	<i>F</i> <sub>2</sub>	291
6096.485130	6096.478535	6.595	$0.8876 \times 10^{-2}$	$0.7499 \times 10^{-2}$	18.356	8	<i>E</i>	2	9	<i>E</i>	195
6096.501040	6096.495686	5.354	$0.1041 \times 10^{-1}$	$0.1123 \times 10^{-1}$	-7.311	8	<i>F</i> <sub>2</sub>	2	9	<i>F</i> <sub>1</sub>	299
6097.544782	6097.545836	-1.054		$0.1615 \times 10^{-7}$		2	<i>F</i> <sub>2</sub>	1	3	<i>F</i> <sub>1</sub>	120
6097.831744	6097.824097	7.647		$0.2315 \times 10^{-6}$		9	<i>F</i> <sub>2</sub>	2	10	<i>F</i> <sub>1</sub>	313
6097.904900	6097.915937	-11.037	$0.7058 \times 10^{-4}$	$0.1057 \times 10^{-4}$	567.828	3	<i>F</i> <sub>2</sub>	1	4	<i>F</i> <sub>1</sub>	140
6098.099599	6098.083131	16.468		$0.3355 \times 10^{-4}$		9	<i>A</i> <sub>2</sub>	1	10	<i>A</i> <sub>1</sub>	109
6098.447886	6098.456151	-8.265	$0.6468 \times 10^{-3}$	$0.2073 \times 10^{-4}$	3019.842	2	<i>E</i>	1	3	<i>E</i>	77
6098.463128	6098.474685	-11.557	$0.9817 \times 10^{-3}$	$0.3229 \times 10^{-4}$	2940.620	2	<i>F</i> <sub>2</sub>	1	3	<i>F</i> <sub>1</sub>	121
6098.712590	6098.709407	3.183	$0.1649 \times 10^{-4}$	$0.2465 \times 10^{-5}$	568.949	3	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	146
6099.643000	6099.646430	-3.430	$0.1691 \times 10^{-4}$	$0.2593 \times 10^{-5}$	552.119	3	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	147
6099.709670	6099.720951	-11.281	$0.1534 \times 10^{-4}$	$0.2192 \times 10^{-5}$	599.838	3	<i>F</i> <sub>2</sub>	1	4	<i>F</i> <sub>1</sub>	141
6100.199860	6100.206230	-6.370	$0.6312 \times 10^{-4}$	$0.1976 \times 10^{-5}$	3093.914	2	<i>F</i> <sub>2</sub>	1	3	<i>F</i> <sub>1</sub>	122
6100.342508	6100.290041	52.467	$0.6806 \times 10^{-3}$	$0.7737 \times 10^{-3}$	-12.035	9	<i>A</i> <sub>1</sub>	1	10	<i>A</i> <sub>2</sub>	104
6100.410285	6100.413683	-3.398	$0.7985 \times 10^{-5}$	$0.1776 \times 10^{-5}$	349.709	3	<i>F</i> <sub>1</sub>	1	4	<i>F</i> <sub>2</sub>	148
6100.846039	6100.785002	61.037	$0.1368 \times 10^{-2}$	$0.1472 \times 10^{-2}$	-7.085	9	<i>A</i> <sub>2</sub>	1	10	<i>A</i> <sub>1</sub>	110
6100.755357	6100.787112	-31.755	$0.4098 \times 10^{-3}$	$0.4779 \times 10^{-3}$	-14.253	9	<i>F</i> <sub>1</sub>	3	10	<i>F</i> <sub>2</sub>	323
6100.804921	6100.836832	-31.911	$0.1436 \times 10^{-3}$	$0.1331 \times 10^{-3}$	7.859	9	<i>F</i> <sub>1</sub>	2	10	<i>F</i> <sub>2</sub>	323
6100.858452	6100.854860	3.592		$0.1642 \times 10^{-5}$		2	<i>E</i>	1	3	<i>E</i>	78
6100.891190	6100.925154	-33.964	$0.2711 \times 10^{-4}$	$0.7758 \times 10^{-4}$	-65.054	9	<i>F</i> <sub>1</sub>	1	10	<i>F</i> <sub>2</sub>	323
6100.956536	6100.928946	27.590	$0.7672 \times 10^{-3}$	$0.8275 \times 10^{-3}$	-7.284	9	<i>F</i> <sub>2</sub>	2	10	<i>F</i> <sub>1</sub>	316
6101.101160	6101.073661	27.499		$0.4531 \times 10^{-4}$		9	<i>F</i> <sub>2</sub>	1	10	<i>F</i> <sub>1</sub>	316
6101.215984	6101.205161	10.823	$0.4665 \times 10^{-4}$	$0.4081 \times 10^{-4}$	14.324	5	<i>F</i> <sub>1</sub>	2	6	<i>F</i> <sub>2</sub>	206
6101.228000	6101.219741	8.259		$0.1120 \times 10^{-4}$		5	<i>F</i> <sub>1</sub>	1	6	<i>F</i> <sub>2</sub>	206
6101.269311	6101.262277	7.034	$0.6270 \times 10^{-4}$	$0.6216 \times 10^{-4}$	0.861	5	<i>E</i>	1	6	<i>E</i>	136
6101.371251	6101.447635	-76.384	$0.4609 \times 10^{-3}$	$0.5629 \times 10^{-3}$	-18.125	9	<i>E</i>	1	10	<i>E</i>	215
6101.487747	6101.526598	-38.851		$0.3215 \times 10^{-3}$		9	<i>F</i> <sub>1</sub>	3	10	<i>F</i> <sub>2</sub>	324
6101.537506	6101.576317	-38.811	$0.5446 \times 10^{-3}$	$0.6964 \times 10^{-3}$	-21.797	9	<i>F</i> <sub>1</sub>	2	10	<i>F</i> <sub>2</sub>	324
6101.805563	6101.796757	8.806	$0.3425 \times 10^{-5}$	$0.3853 \times 10^{-5}$	-11.111	5	<i>F</i> <sub>2</sub>	1	6	<i>F</i> <sub>1</sub>	198
6102.672216	6102.680242	-8.026		$0.1536 \times 10^{-3}$		9	<i>A</i> <sub>1</sub>	1	10	<i>A</i> <sub>2</sub>	105
6102.643667	6102.691452	-47.785		$0.1927 \times 10^{-6}$		9	<i>F</i> <sub>1</sub>	3	10	<i>F</i> <sub>2</sub>	326
6102.698296	6102.699460	-1.164	$0.7577 \times 10^{-4}$	$0.7381 \times 10^{-4}$	2.651	9	<i>F</i> <sub>1</sub>	2	10	<i>F</i> <sub>2</sub>	325
6102.726584	6102.739847	-13.263	$0.4580 \times 10^{-3}$	$0.4520 \times 10^{-3}$	1.339	5	<i>F</i> <sub>1</sub>	2	6	<i>F</i> <sub>2</sub>	207
6102.784816	6102.787783	-2.967		$0.1737 \times 10^{-5}$		9	<i>F</i> <sub>1</sub>	1	10	<i>F</i> <sub>2</sub>	325
6103.023596	6103.036483	-12.887	$0.2396 \times 10^{-3}$	$0.2395 \times 10^{-3}$	0.056	5	<i>E</i>	1	6	<i>E</i>	137
6103.313505	6103.326549	-13.044	$0.2899 \times 10^{-3}$	$0.2939 \times 10^{-3}$	-1.365	5	<i>F</i> <sub>2</sub>	1	6	<i>F</i> <sub>1</sub>	199
6104.145030	6104.140792	4.238		$0.9018 \times 10^{-8}$		3	<i>F</i> <sub>2</sub>	1	4	<i>F</i> <sub>1</sub>	142
6104.284160	6104.296138	-11.978	$0.2309 \times 10^{-3}$	$0.2219 \times 10^{-3}$	4.034	5	<i>F</i> <sub>1</sub>	1	6	<i>F</i> <sub>2</sub>	208

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6104.479925	6104.466583	13.342		$0.3602 \times 10^{-7}$		3	$F_1$	1	4	$F_2$	150
6104.748987	6104.753469	-4.482		$0.8676 \times 10^{-5}$		5	$E$	1	6	$E$	138
6104.808886	6104.812265	-3.379		$0.9330 \times 10^{-5}$		5	$F_2$	1	6	$F_1$	200
6104.990810	6104.973753	17.057	$0.8198 \times 10^{-4}$	$0.3456 \times 10^{-5}$	2272.264	3	$A_2$	1	4	$A_1$	54
6105.365000	6105.358814	6.186		$0.1066 \times 10^{-5}$		3	$F_2$	1	4	$F_1$	145
6105.369380	6105.371634	-2.254	$0.1512 \times 10^{-3}$	$0.6771 \times 10^{-6}$	22232.122	3	$F_1$	1	4	$F_2$	151
6105.538431	6105.542282	-3.851		$0.9290 \times 10^{-5}$		9	$F_1$	2	10	$F_2$	327
6105.625730	6105.630604	-4.874	$0.8562 \times 10^{-2}$	$0.8113 \times 10^{-2}$	5.540	9	$F_1$	1	10	$F_2$	327
6105.625730	6105.633259	-7.529	$0.8562 \times 10^{-2}$	$0.8151 \times 10^{-2}$	5.037	9	$F_2$	1	10	$F_1$	320
6106.044080	6106.041627	2.453		$0.4088 \times 10^{-3}$		4	$A_1$	1	5	$A_2$	61
6106.037000	6106.043499	-6.499	$0.5338 \times 10^{-2}$	$0.4906 \times 10^{-2}$	8.806	9	$E$	1	10	$E$	218
6106.040000	6106.054043	-14.043	$0.7608 \times 10^{-2}$	$0.7180 \times 10^{-2}$	5.956	9	$F_1$	2	10	$F_2$	328
6106.055000	6106.075584	-20.584	$0.1262 \times 10^{-1}$	$0.1268 \times 10^{-1}$	-0.451	9	$A_1$	1	10	$A_2$	106
6106.128347	6106.142366	-14.019		$0.8405 \times 10^{-5}$		9	$F_1$	1	10	$F_2$	328
6106.193670	6106.193639	0.031		$0.2358 \times 10^{-3}$		4	$F_1$	1	5	$F_2$	171
6106.220720	6106.223042	-2.322		$0.7068 \times 10^{-2}$		9	$F_1$	3	10	$F_2$	329
6106.250350	6106.254885	-4.535	$0.7652 \times 10^{-2}$	$0.7253 \times 10^{-2}$	5.505	9	$F_2$	2	10	$F_1$	321
6106.283830	6106.285108	-1.278	$0.1275 \times 10^{-1}$	$0.1205 \times 10^{-1}$	5.774	9	$A_2$	1	10	$A_1$	112
6106.298000	6106.300421	-2.421		$0.1518 \times 10^{-3}$		4	$E$	1	5	$E$	115
6107.166932	6107.172055	-5.123	$0.1160 \times 10^{-2}$	$0.2649 \times 10^{-3}$	337.871	4	$F_2$	1	5	$F_1$	179
6108.208330	6108.209245	-0.915	$0.1166 \times 10^{-4}$	$0.3455 \times 10^{-6}$	3274.991	3	$F_1$	1	4	$F_2$	152
6108.324920	6108.290012	34.908		$0.4340 \times 10^{-7}$		10	$A_2$	1	11	$A_1$	111
6108.400000	6108.376170	23.830		$0.4719 \times 10^{-8}$		10	$F_2$	1	11	$F_1$	350
6109.205660	6109.212072	-6.412	$0.3513 \times 10^{-4}$	$0.8438 \times 10^{-5}$	316.334	4	$F_1$	1	5	$F_2$	172
6109.262130	6109.227451	34.679		$0.4435 \times 10^{-4}$		10	$A_1$	1	11	$A_2$	120
6109.592172	6109.594234	-2.062	$0.6483 \times 10^{-4}$	$0.1438 \times 10^{-4}$	350.975	4	$E$	1	5	$E$	116
6109.721455	6109.717601	3.854	$0.8964 \times 10^{-3}$	$0.4352 \times 10^{-4}$	1959.964	3	$F_1$	1	4	$F_2$	153
6109.882088	6109.884866	-2.778	$0.9959 \times 10^{-3}$	$0.4986 \times 10^{-4}$	1897.249	3	$F_2$	1	4	$F_1$	146
6110.035950	6110.044478	-8.528	$0.1963 \times 10^{-2}$	$0.1000 \times 10^{-3}$	1862.052	3	$A_2$	1	4	$A_1$	55
6110.074276	6110.070200	4.076		$0.4166 \times 10^{-4}$		6	$F_1$	1	7	$F_2$	231
6110.153303	6110.147797	5.506	$0.9893 \times 10^{-4}$	$0.9892 \times 10^{-4}$	0.005	6	$F_2$	2	7	$F_1$	237
6110.176366	6110.169514	6.852	$0.1242 \times 10^{-4}$	$0.1132 \times 10^{-4}$	9.731	6	$F_2$	1	7	$F_1$	237
6110.892000	6110.885954	6.046		$0.9738 \times 10^{-5}$		6	$E$	1	7	$E$	155
6110.962400	6110.958557	3.843	$0.3256 \times 10^{-4}$	$0.3230 \times 10^{-4}$	0.794	6	$F_1$	1	7	$F_2$	232
6111.159420	6111.163401	-3.981	$0.3860 \times 10^{-4}$	$0.9409 \times 10^{-5}$	310.261	4	$F_1$	1	5	$F_2$	173
6111.257490	6111.254086	3.404	$0.2299 \times 10^{-4}$	$0.5805 \times 10^{-5}$	296.055	4	$E$	1	5	$E$	117
6111.296670	6111.292414	4.256	$0.1393 \times 10^{-4}$	$0.4084 \times 10^{-5}$	241.119	4	$F_2$	1	5	$F_1$	181
6111.797440	6111.814586	-17.146	$0.1230 \times 10^{-3}$	$0.6613 \times 10^{-5}$	1759.892	3	$F_2$	1	4	$F_1$	147
6112.018293	6112.025604	-7.311	$0.1110 \times 10^{-2}$	$0.1060 \times 10^{-2}$	4.766	6	$A_1$	1	7	$A_2$	82
6112.359647	6112.310871	48.776		$0.9058 \times 10^{-4}$		10	$A_2$	1	11	$A_1$	112
6112.324344	6112.332301	-7.957	$0.5074 \times 10^{-3}$	$0.5101 \times 10^{-3}$	-0.527	6	$F_1$	1	7	$F_2$	233
6112.347640	6112.346236	1.404	$0.3929 \times 10^{-4}$	$0.1736 \times 10^{-4}$	126.299	4	$A_1$	1	5	$A_2$	62
6112.434594	6112.429570	5.024		$0.3327 \times 10^{-5}$		4	$F_1$	1	5	$F_2$	174
6112.592070	6112.599270	-7.200		$0.3891 \times 10^{-3}$		6	$F_2$	2	7	$F_1$	238
6112.594799	6112.603359	-8.560		$0.1114 \times 10^{-4}$		3	$F_1$	1	4	$F_2$	154
6112.607987	6112.620986	-12.999		$0.4678 \times 10^{-4}$		6	$F_2$	1	7	$F_1$	238
6112.892314	6112.900304	-7.990	$0.5825 \times 10^{-3}$	$0.5829 \times 10^{-3}$	-0.061	6	$A_2$	1	7	$A_1$	74
6113.970930	6113.980436	-9.506	$0.4506 \times 10^{-4}$	$0.4471 \times 10^{-4}$	0.784	6	$F_2$	2	7	$F_1$	239
6113.991700	6114.002152	-10.452	$0.2075 \times 10^{-3}$	$0.2256 \times 10^{-3}$	-8.020	6	$F_2$	1	7	$F_1$	239
6114.082210	6114.090553	-8.343	$0.1652 \times 10^{-3}$	$0.1681 \times 10^{-3}$	-1.720	6	$E$	1	7	$E$	156

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6114.677000	6114.370065	306.935	$0.1076 \times 10^{-1}$	$0.9062 \times 10^{-2}$	18.739	10	$A_2$	1	11	$A_1$	113
6114.496000	6114.479371	16.629		$0.8651 \times 10^{-2}$		10	$A_1$	1	11	$A_2$	121
6114.747980	6114.741181	6.799		$0.3755 \times 10^{-5}$		6	$F_2$	2	7	$F_1$	240
6114.984805	6114.970850	13.955		$0.1085 \times 10^{-6}$		3	$F_1$	1	4	$F_2$	155
6115.022082	6115.032242	-10.160		$0.8052 \times 10^{-7}$		4	$E$	1	5	$E$	118
6115.430970	6115.415897	15.073	$0.3809 \times 10^{-5}$	$0.5954 \times 10^{-7}$	6297.707	4	$F_2$	1	5	$F_1$	184
6115.516600	6115.503779	12.821	$0.5585 \times 10^{-5}$	$0.1083 \times 10^{-6}$	5058.153	4	$F_1$	1	5	$F_2$	175
6116.592054	6116.590584	1.470	$0.9727 \times 10^{-3}$	$0.2937 \times 10^{-3}$	231.203	5	$F_1$	1	6	$F_2$	209
6116.722467	6116.723467	-1.000	$0.8991 \times 10^{-3}$	$0.2760 \times 10^{-3}$	225.804	5	$F_2$	1	6	$F_1$	201
6117.080380	6117.059714	20.666	$0.3909 \times 10^{-4}$	$0.1731 \times 10^{-5}$	2158.375	4	$F_2$	1	5	$F_1$	186
6117.385150	6117.388363	-3.213	$0.1799 \times 10^{-3}$	$0.6841 \times 10^{-6}$	26196.369	4	$A_1$	1	5	$A_2$	63
6117.529850	6117.530121	-0.271	$0.7836 \times 10^{-4}$	$0.1279 \times 10^{-5}$	6028.553	4	$F_1$	1	5	$F_2$	178
6117.632290	6117.625817	6.473	$0.4555 \times 10^{-4}$	$0.1377 \times 10^{-5}$	3208.516	4	$E$	1	5	$E$	120
6118.079172	6118.088434	-9.262	$0.6652 \times 10^{-3}$	$0.2163 \times 10^{-3}$	207.491	5	$E$	1	6	$E$	139
6118.256198	6118.266964	-10.766	$0.9783 \times 10^{-3}$	$0.3193 \times 10^{-3}$	206.411	5	$F_1$	2	6	$F_2$	210
6118.470916	6118.447800	23.116	$0.2850 \times 10^{-3}$	$0.3075 \times 10^{-3}$	-7.323	10	$F_2$	3	11	$F_1$	358
6118.703223	6118.680560	22.663		$0.1747 \times 10^{-3}$		10	$F_2$	1	11	$F_1$	358
6118.928922	6118.928228	0.694	$0.2365 \times 10^{-3}$	$0.2311 \times 10^{-3}$	2.342	7	$A_2$	1	8	$A_1$	93
6119.803060	6119.802048	1.012	$0.2527 \times 10^{-4}$	$0.2816 \times 10^{-4}$	-10.251	7	$F_2$	2	8	$F_1$	262
6119.841646	6119.840067	1.579	$0.8354 \times 10^{-5}$	$0.8101 \times 10^{-5}$	3.118	7	$F_2$	1	8	$F_1$	262
6119.970350	6119.971462	-1.112	$0.6052 \times 10^{-4}$	$0.5931 \times 10^{-4}$	2.045	7	$F_1$	2	8	$F_2$	267
6120.020480	6120.027153	-6.673	$0.1143 \times 10^{-4}$	$0.8965 \times 10^{-5}$	27.492	7	$F_1$	1	8	$F_2$	267
6120.585900	6120.573803	12.097	$0.1064 \times 10^{-2}$	$0.7089 \times 10^{-4}$	1401.017	4	$A_1$	1	5	$A_2$	64
6120.775000	6120.767463	7.537		$0.9672 \times 10^{-5}$		5	$F_1$	2	6	$F_2$	211
6120.788300	6120.782043	6.257		$0.8927 \times 10^{-5}$		5	$F_1$	1	6	$F_2$	211
6121.130226	6121.116617	13.609	$0.8477 \times 10^{-3}$	$0.5166 \times 10^{-4}$	1541.026	4	$F_1$	1	5	$F_2$	180
6121.353083	6121.342353	10.730	$0.5986 \times 10^{-3}$	$0.3892 \times 10^{-4}$	1437.831	4	$E$	1	5	$E$	121
6121.545739	6121.544635	1.104	$0.6251 \times 10^{-3}$	$0.6118 \times 10^{-3}$	2.170	7	$F_1$	2	8	$F_2$	268
6121.682593	6121.681195	1.398	$0.1150 \times 10^{-2}$	$0.7874 \times 10^{-4}$	1360.503	4	$F_2$	1	5	$F_1$	188
6121.801752	6121.801219	0.533	$0.3741 \times 10^{-3}$	$0.3649 \times 10^{-3}$	2.514	7	$E$	1	8	$E$	179
6122.053802	6122.054387	-0.585	$0.4142 \times 10^{-3}$	$0.4058 \times 10^{-3}$	2.070	7	$F_2$	2	8	$F_1$	263
6122.090798	6122.092405	-1.607	$0.6184 \times 10^{-4}$	$0.6112 \times 10^{-4}$	1.183	7	$F_2$	1	8	$F_1$	263
6122.658568	6122.661545	-2.977		$0.7266 \times 10^{-3}$		11	$F_1$	3	12	$F_2$	381
6123.002832	6122.993274	9.558		$0.1112 \times 10^{-4}$		5	$F_1$	2	6	$F_2$	212
6123.002832	6123.005554	-2.722		$0.1448 \times 10^{-2}$		11	$F_1$	1	12	$F_2$	381
6123.012500	6123.019677	-7.177		$0.2462 \times 10^{-4}$		5	$F_2$	1	6	$F_1$	203
6123.046000	6123.045288	0.712	$0.1920 \times 10^{-4}$	$0.8884 \times 10^{-5}$	116.119	5	$E$	1	6	$E$	140
6123.106114	6123.093785	12.329		$0.1086 \times 10^{-5}$		5	$F_2$	1	6	$F_1$	204
6123.341219	6123.376514	-35.295		$0.6691 \times 10^{-4}$		11	$F_2$	3	12	$F_1$	376
6123.406345	6123.417134	-10.789	$0.5546 \times 10^{-3}$	$0.5832 \times 10^{-3}$	-4.901	7	$A_2$	1	8	$A_1$	94
6123.482054	6123.517237	-35.183		$0.2076 \times 10^{-2}$		11	$F_2$	2	12	$F_1$	376
6123.624220	6123.631530	-7.310		$0.6087 \times 10^{-4}$		7	$F_2$	2	8	$F_1$	264
6123.661453	6123.669549	-8.096		$0.2212 \times 10^{-3}$		7	$F_2$	1	8	$F_1$	264
6123.652866	6123.686416	-33.550		$0.1442 \times 10^{-6}$		11	$F_2$	1	12	$F_1$	376
6123.824000	6123.827224	-3.224		$0.2499 \times 10^{-3}$		7	$F_1$	1	8	$F_2$	269
6124.119275	6124.139479	-20.204		$0.3655 \times 10^{-3}$		11	$F_2$	3	12	$F_1$	377
6124.260092	6124.280202	-20.110	$0.1187 \times 10^{-2}$	$0.9724 \times 10^{-3}$	22.075	11	$F_2$	2	12	$F_1$	377
6124.338941	6124.343110	-4.169	$0.1809 \times 10^{-3}$	$0.1118 \times 10^{-4}$	1518.209	4	$E$	1	5	$E$	122
6124.407256	6124.410741	-3.485		$0.1476 \times 10^{-4}$		4	$F_1$	1	5	$F_2$	181
6124.428910	6124.449381	-20.471		$0.7493 \times 10^{-4}$		11	$F_2$	1	12	$F_1$	377



Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6124.597660	6124.590711	6.949	$0.1246 \times 10^{-4}$	$0.1546 \times 10^{-4}$	-19.417	5	$F_1$	1	6	$F_2$	213
6124.906058	6124.934744	-28.686	$0.1081 \times 10^{-2}$	$0.1344 \times 10^{-2}$	-19.574	11	$F_1$	3	12	$F_2$	384
6124.981519	6124.992284	-10.765	$0.7300 \times 10^{-3}$	$0.4449 \times 10^{-4}$	1540.864	4	$A_1$	1	5	$A_2$	65
6125.250014	6125.278753	-28.739		$0.2268 \times 10^{-3}$		11	$F_1$	1	12	$F_2$	384
6125.410337	6125.441816	-31.479	$0.3777 \times 10^{-3}$	$0.4694 \times 10^{-3}$	-19.538	11	$E$	2	12	$E$	256
6125.563944	6125.595267	-31.323	$0.2835 \times 10^{-3}$	$0.2132 \times 10^{-3}$	32.950	11	$E$	1	12	$E$	256
6125.742269	6125.703559	38.710	$0.5465 \times 10^{-3}$	$0.7203 \times 10^{-3}$	-24.134	11	$F_2$	3	12	$F_1$	378
6125.742712	6125.741111	1.601	$0.1951 \times 10^{-3}$	$0.6023 \times 10^{-5}$	3139.093	4	$F_1$	1	5	$F_2$	182
6125.883266	6125.844282	38.984		$0.1040 \times 10^{-3}$		11	$F_2$	2	12	$F_1$	378
6126.051330	6126.013461	37.869		$0.8919 \times 10^{-5}$		11	$F_2$	1	12	$F_1$	378
6126.274049	6126.278193	-4.144	$0.9683 \times 10^{-5}$	$0.1287 \times 10^{-5}$	652.647	5	$F_2$	1	6	$F_1$	206
6126.336170	6126.354703	-18.533	$0.1102 \times 10^{-4}$	$0.1002 \times 10^{-5}$	999.578	5	$F_1$	2	6	$F_2$	214
6126.365390	6126.362817	2.573	$0.2958 \times 10^{-4}$	$0.1807 \times 10^{-5}$	1537.252	4	$F_2$	1	5	$F_1$	189
6127.067429	6127.065389	2.040	$0.5267 \times 10^{-3}$	$0.2117 \times 10^{-3}$	148.803	6	$E$	1	7	$E$	157
6127.103485	6127.100320	3.165	$0.7606 \times 10^{-3}$	$0.3082 \times 10^{-3}$	146.798	6	$F_2$	1	7	$F_1$	241
6127.181525	6127.179558	1.967	$0.1195 \times 10^{-2}$	$0.4895 \times 10^{-3}$	144.123	6	$A_2$	1	7	$A_1$	75
6127.468380	6127.475593	-7.213	$0.7621 \times 10^{-4}$	$0.7145 \times 10^{-4}$	6.668	8	$F_1$	2	9	$F_2$	292
6127.513050	6127.521459	-8.409	$0.1028 \times 10^{-3}$	$0.9888 \times 10^{-4}$	3.961	8	$F_2$	1	9	$F_1$	300
6128.553112	6128.543512	9.600		$0.2198 \times 10^{-6}$		4	$F_2$	1	5	$F_1$	190
6128.638740	6128.642169	-3.429	$0.3386 \times 10^{-4}$	$0.3490 \times 10^{-4}$	-2.980	8	$F_2$	2	9	$F_1$	301
6128.680090	6128.682564	-2.474	$0.2791 \times 10^{-4}$	$0.3398 \times 10^{-4}$	-17.868	8	$F_2$	1	9	$F_1$	301
6128.708000	6128.698664	9.336	$0.7339 \times 10^{-5}$	$0.3339 \times 10^{-6}$	2097.643	4	$E$	1	5	$E$	123
6128.762590	6128.765877	-3.287	$0.6466 \times 10^{-4}$	$0.6693 \times 10^{-4}$	-3.394	8	$E$	2	9	$E$	196
6128.846310	6128.851519	-5.209	$0.1199 \times 10^{-4}$	$0.8340 \times 10^{-5}$	43.759	8	$E$	1	9	$E$	196
6129.028968	6129.036453	-7.485	$0.7736 \times 10^{-3}$	$0.3426 \times 10^{-3}$	125.799	6	$F_2$	2	7	$F_1$	242
6129.363668	6129.373116	-9.448	$0.7398 \times 10^{-3}$	$0.3372 \times 10^{-3}$	119.402	6	$F_1$	1	7	$F_2$	235
6129.434968	6129.425505	9.463	$0.1677 \times 10^{-4}$	$0.1159 \times 10^{-5}$	1346.352	5	$E$	1	6	$E$	144
6129.889459	6129.903144	-13.685	$0.1310 \times 10^{-2}$	$0.6057 \times 10^{-3}$	116.290	6	$A_1$	1	7	$A_2$	83
6129.943633	6129.930420	13.213		$0.1259 \times 10^{-6}$		5	$E$	1	6	$E$	145
6129.927781	6129.932773	-4.992	$0.2429 \times 10^{-4}$	$0.3342 \times 10^{-5}$	626.710	5	$F_1$	1	6	$F_2$	218
6130.371550	6130.369051	2.499	$0.2725 \times 10^{-4}$	$0.4783 \times 10^{-5}$	469.783	5	$F_2$	1	6	$F_1$	211
6130.814157	6130.803628	10.529	$0.6429 \times 10^{-3}$	$0.6266 \times 10^{-3}$	2.606	8	$F_2$	2	9	$F_1$	302
6131.050446	6131.042206	8.240	$0.3562 \times 10^{-3}$	$0.3457 \times 10^{-3}$	3.023	8	$E$	2	9	$E$	197
6131.136894	6131.127848	9.046	$0.1684 \times 10^{-4}$	$0.1811 \times 10^{-4}$	-7.010	8	$E$	1	9	$E$	197
6131.286967	6131.278250	8.717	$0.4822 \times 10^{-3}$	$0.4804 \times 10^{-3}$	0.383	8	$F_1$	2	9	$F_2$	294
6131.356619	6131.349309	7.310	$0.1359 \times 10^{-4}$	$0.1492 \times 10^{-4}$	-8.920	8	$F_1$	1	9	$F_2$	294
6131.997955	6131.979621	18.334	$0.3454 \times 10^{-4}$	$0.1729 \times 10^{-4}$	99.753	6	$F_1$	1	7	$F_2$	236
6132.045327	6132.032758	12.569	$0.6461 \times 10^{-3}$	$0.4122 \times 10^{-4}$	1467.422	5	$F_1$	1	6	$F_2$	219
6132.361418	6132.355442	5.976		$0.3714 \times 10^{-2}$		12	$A_1$	1	13	$A_2$	137
6132.622277	6132.601999	20.278		$0.4420 \times 10^{-5}$		6	$F_2$	2	7	$F_1$	243
6132.644120	6132.623715	20.405	$0.1818 \times 10^{-4}$	$0.8799 \times 10^{-5}$	106.622	6	$F_2$	1	7	$F_1$	243
6132.893856	6132.870123	23.733	$0.7762 \times 10^{-3}$	$0.5580 \times 10^{-4}$	1290.949	5	$F_2$	1	6	$F_1$	212
6133.354153	6133.342431	11.722	$0.8386 \times 10^{-3}$	$0.5591 \times 10^{-4}$	1399.882	5	$E$	1	6	$E$	146
6133.458721	6133.457173	1.548	$0.2256 \times 10^{-3}$	$0.2223 \times 10^{-3}$	1.495	8	$F_1$	1	9	$F_2$	295
6133.511870	6133.502866	9.004	$0.1052 \times 10^{-2}$	$0.8838 \times 10^{-4}$	1090.294	5	$F_1$	2	6	$F_2$	220
6133.609737	6133.602795	6.942	$0.3953 \times 10^{-3}$	$0.3840 \times 10^{-3}$	2.934	8	$A_1$	1	9	$A_2$	102
6134.804940	6134.803752	1.188	$0.3591 \times 10^{-4}$	$0.3059 \times 10^{-4}$	17.409	6	$A_1$	1	7	$A_2$	84
6134.855380	6134.854469	0.911	$0.2290 \times 10^{-4}$	$0.1904 \times 10^{-4}$	20.254	6	$F_1$	1	7	$F_2$	237
6134.967760	6134.973668	-5.908	$0.3547 \times 10^{-4}$	$0.2086 \times 10^{-4}$	70.052	6	$F_2$	2	7	$F_1$	244
6134.989830	6134.995384	-5.554	$0.1990 \times 10^{-4}$	$0.1026 \times 10^{-4}$	94.042	6	$F_2$	1	7	$F_1$	244

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6135.147950	6135.160395	-12.445	$0.1609 \times 10^{-3}$	$0.8281 \times 10^{-4}$	94.291	6	$A_2$	1	7	$A_1$	76
6135.937090	6135.967880	-30.790	$0.9695 \times 10^{-4}$	$0.1071 \times 10^{-3}$	-9.491	9	$A_1$	1	10	$A_2$	107
6135.977445	6136.008582	-31.137	$0.7462 \times 10^{-4}$	$0.7254 \times 10^{-4}$	2.869	9	$F_1$	2	10	$F_2$	330
6135.991197	6136.022790	-31.593		$0.5762 \times 10^{-4}$		9	$E$	1	10	$E$	219
6137.171449	6137.167891	3.558	$0.3288 \times 10^{-3}$	$0.2447 \times 10^{-4}$	1243.957	5	$F_2$	1	6	$F_1$	213
6137.264741	6137.261028	3.713	$0.3413 \times 10^{-3}$	$0.2616 \times 10^{-4}$	1204.474	5	$F_1$	1	6	$F_2$	221
6137.375756	6137.384400	-8.644	$0.7907 \times 10^{-4}$	$0.7778 \times 10^{-4}$	1.661	9	$F_1$	3	10	$F_2$	331
6137.426840	6137.434119	-7.279		$0.3918 \times 10^{-4}$		9	$F_1$	2	10	$F_2$	331
6137.534727	6137.528274	6.453	$0.5991 \times 10^{-3}$	$0.3111 \times 10^{-3}$	92.554	7	$F_1$	1	8	$F_2$	271
6137.569723	6137.563550	6.173	$0.5661 \times 10^{-3}$	$0.2985 \times 10^{-3}$	89.642	7	$F_2$	1	8	$F_1$	265
6138.587120	6138.588566	-1.446	$0.3180 \times 10^{-4}$	$0.2364 \times 10^{-5}$	1245.352	5	$F_1$	2	6	$F_2$	222
6138.602090	6138.603146	-1.056	$0.8797 \times 10^{-4}$	$0.6581 \times 10^{-5}$	1236.684	5	$F_1$	1	6	$F_2$	222
6139.091580	6139.101169	-9.589	$0.6013 \times 10^{-4}$	$0.4380 \times 10^{-5}$	1272.798	5	$E$	1	6	$E$	147
6139.821446	6139.823711	-2.265	$0.1045 \times 10^{-2}$	$0.6097 \times 10^{-3}$	71.386	7	$A_2$	1	8	$A_1$	95
6139.878624	6139.864431	14.193	$0.1028 \times 10^{-2}$	$0.1028 \times 10^{-2}$	0.015	9	$A_2$	1	10	$A_1$	113
6140.103000	6140.103801	-0.801		$0.3256 \times 10^{-3}$		7	$F_2$	2	8	$F_1$	266
6140.304200	6140.291346	12.854		$0.4529 \times 10^{-3}$		9	$F_1$	3	10	$F_2$	332
6140.299000	6140.300336	-1.336		$0.2079 \times 10^{-3}$		7	$E$	1	8	$E$	181
6140.358170	6140.341066	17.104		$0.3452 \times 10^{-4}$		9	$F_1$	2	10	$F_2$	332
6140.443500	6140.429388	14.112		$0.7031 \times 10^{-5}$		9	$F_1$	1	10	$F_2$	332
6140.527920	6140.512574	15.346	$0.7361 \times 10^{-3}$	$0.7482 \times 10^{-3}$	-1.616	9	$A_1$	1	10	$A_2$	108
6141.236248	6141.243319	-7.071	$0.5666 \times 10^{-3}$	$0.3480 \times 10^{-3}$	62.831	7	$F_1$	2	8	$F_2$	272
6141.430485	6141.497539	-67.054		$0.1945 \times 10^{-2}$		13	$A_2$	1	14	$A_1$	149
6142.366631	6142.368983	-2.352	$0.2806 \times 10^{-3}$	$0.2799 \times 10^{-3}$	0.256	9	$F_1$	2	10	$F_2$	333
6142.475911	6142.476850	-0.939	$0.2176 \times 10^{-3}$	$0.2001 \times 10^{-3}$	8.766	9	$E$	1	10	$E$	221
6142.688055	6142.687057	0.998		$0.1936 \times 10^{-6}$		5	$F_2$	1	6	$F_1$	215
6142.773021	6142.770086	2.935		$0.2165 \times 10^{-4}$		6	$F_2$	1	7	$F_1$	252
6142.939780	6142.940727	-0.947	$0.9529 \times 10^{-5}$	$0.5434 \times 10^{-6}$	1653.429	5	$F_1$	2	6	$F_2$	223
6143.015140	6143.012195	2.945	$0.1873 \times 10^{-3}$	$0.1879 \times 10^{-3}$	-0.318	9	$F_2$	1	10	$F_1$	325
6143.101000	6143.089233	11.767		$0.5214 \times 10^{-5}$		9	$F_1$	2	10	$F_2$	334
6143.187690	6143.177555	10.135	$0.1941 \times 10^{-3}$	$0.1880 \times 10^{-3}$	3.236	9	$F_1$	1	10	$F_2$	334
6143.258320	6143.260988	-2.668	$0.4724 \times 10^{-4}$	$0.4976 \times 10^{-4}$	-5.064	6	$A_2$	1	7	$A_1$	78
6143.412883	6143.390053	22.830		$0.8852 \times 10^{-5}$		7	$F_2$	2	8	$F_1$	267
6143.449985	6143.428071	21.914		$0.2133 \times 10^{-5}$		7	$F_2$	1	8	$F_1$	267
6143.936433	6143.922784	13.649		$0.6507 \times 10^{-5}$		9	$A_2$	1	10	$A_1$	114
6144.198143	6144.194489	3.654	$0.3185 \times 10^{-3}$	$0.1467 \times 10^{-4}$	2071.577	6	$E$	1	7	$E$	165
6144.215918	6144.213132	2.786		$0.1114 \times 10^{-4}$		6	$F_2$	2	7	$F_1$	253
6144.237980	6144.234849	3.131	$0.4372 \times 10^{-3}$	$0.1966 \times 10^{-4}$	2123.892	6	$F_2$	1	7	$F_1$	253
6145.039902	6145.016979	22.923	$0.1046 \times 10^{-2}$	$0.5918 \times 10^{-4}$	1667.403	6	$A_2$	1	7	$A_1$	79
6145.272968	6145.254085	18.883	$0.7351 \times 10^{-3}$	$0.6706 \times 10^{-4}$	996.233	6	$F_2$	2	7	$F_1$	254
6145.295413	6145.275802	19.611		$0.3277 \times 10^{-5}$		6	$F_2$	1	7	$F_1$	254
6145.472397	6145.459055	13.342	$0.8763 \times 10^{-3}$	$0.8381 \times 10^{-4}$	945.544	6	$F_1$	1	7	$F_2$	247
6145.638805	6145.630639	8.166	$0.1553 \times 10^{-2}$	$0.1514 \times 10^{-3}$	925.596	6	$A_1$	1	7	$A_2$	87
6146.441723	6146.469515	-27.792		$0.1180 \times 10^{-4}$		7	$E$	1	8	$E$	183
6147.377230	6147.363042	14.188	$0.3073 \times 10^{-4}$	$0.2793 \times 10^{-4}$	10.028	7	$F_2$	2	8	$F_1$	269
6147.415720	6147.401061	14.659	$0.3405 \times 10^{-4}$	$0.1970 \times 10^{-4}$	72.843	7	$F_2$	1	8	$F_1$	269
6147.987820	6147.979872	7.948	$0.7530 \times 10^{-3}$	$0.4715 \times 10^{-3}$	59.694	8	$A_1$	1	9	$A_2$	103
6148.002982	6147.993333	9.649		$0.2763 \times 10^{-3}$		8	$F_1$	1	9	$F_2$	297
6148.442360	6148.463345	-20.985		$0.1645 \times 10^{-4}$		7	$E$	1	8	$E$	184
6148.557000	6148.566986	-9.986	$0.1253 \times 10^{-4}$	$0.1261 \times 10^{-4}$	-0.634	7	$F_1$	2	8	$F_2$	276

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6149.067039	6149.059366	7.673	$0.4695 \times 10^{-3}$	$0.4803 \times 10^{-3}$	-2.252	10	$F_2$	3	11	$F_1$	363
6149.254592	6149.243992	10.600	$0.2990 \times 10^{-3}$	$0.2962 \times 10^{-3}$	0.938	10	$E$	2	11	$E$	239
6149.438066	6149.424228	13.838	$0.3638 \times 10^{-3}$	$0.3740 \times 10^{-3}$	-2.739	10	$F_1$	2	11	$F_2$	358
6150.238921	6150.235954	2.967	$0.4788 \times 10^{-3}$	$0.4287 \times 10^{-4}$	1016.791	6	$A_2$	1	7	$A_1$	80
6150.259525	6150.252690	6.835	$0.3457 \times 10^{-3}$	$0.2931 \times 10^{-4}$	1079.290	6	$F_2$	1	7	$F_1$	255
6150.270377	6150.260995	9.382		$0.2148 \times 10^{-4}$		6	$E$	1	7	$E$	166
6150.911100	6150.908031	3.069	$0.4198 \times 10^{-3}$	$0.3175 \times 10^{-3}$	32.213	8	$F_2$	1	9	$F_1$	305
6151.152633	6151.147394	5.239	$0.3398 \times 10^{-3}$	$0.2726 \times 10^{-3}$	24.674	8	$F_1$	2	9	$F_2$	298
6151.202000	6151.180640	21.360		$0.1161 \times 10^{-4}$		7	$F_1$	1	8	$F_2$	280
6151.338628	6151.326141	12.487	$0.3694 \times 10^{-4}$	$0.3290 \times 10^{-5}$	1022.850	6	$F_1$	1	7	$F_2$	248
6151.533000	6151.535316	-2.316	$0.4717 \times 10^{-3}$	$0.4670 \times 10^{-3}$	1.005	10	$A_1$	1	11	$A_2$	124
6151.669610	6151.670955	-1.345		$0.3193 \times 10^{-4}$		10	$F_1$	2	11	$F_2$	359
6151.746110	6151.746435	-0.325	$0.2314 \times 10^{-3}$	$0.2250 \times 10^{-3}$	2.860	10	$F_1$	1	11	$F_2$	359
6151.811000	6151.813282	-2.282		$0.3607 \times 10^{-5}$		10	$F_2$	3	11	$F_1$	364
6151.883535	6151.897329	-13.794		$0.9017 \times 10^{-5}$		6	$F_2$	2	7	$F_1$	256
6151.904686	6151.919045	-14.359		$0.2688 \times 10^{-5}$		6	$F_2$	1	7	$F_1$	256
6151.929620	6151.928622	0.998	$0.2328 \times 10^{-3}$	$0.2341 \times 10^{-3}$	-0.573	10	$F_2$	2	11	$F_1$	364
6152.504090	6152.502722	1.368	$0.2579 \times 10^{-3}$	$0.2017 \times 10^{-3}$	27.859	8	$E$	2	9	$E$	200
6152.525539	6152.516416	9.123		$0.5876 \times 10^{-5}$		10	$E$	2	11	$E$	240
6152.547005	6152.547342	-0.337		$0.2448 \times 10^{-3}$		10	$A_2$	1	11	$A_1$	116
6152.698209	6152.690457	7.752	$0.1306 \times 10^{-3}$	$0.1433 \times 10^{-3}$	-8.831	10	$F_2$	1	11	$F_1$	365
6152.714662	6152.714526	0.136	$0.3633 \times 10^{-3}$	$0.2914 \times 10^{-3}$	24.653	8	$F_2$	2	9	$F_1$	306
6152.747697	6152.737065	10.632	$0.9035 \times 10^{-4}$	$0.9725 \times 10^{-4}$	-7.094	10	$E$	1	11	$E$	240
6153.395792	6153.389301	6.491	$0.8802 \times 10^{-5}$	$0.7597 \times 10^{-5}$	15.861	7	$F_1$	2	8	$F_2$	282
6153.448940	6153.444992	3.948	$0.3789 \times 10^{-4}$	$0.9353 \times 10^{-5}$	305.113	7	$F_1$	1	8	$F_2$	282
6154.076220	6154.083629	-7.409	$0.2456 \times 10^{-4}$	$0.7901 \times 10^{-5}$	210.859	7	$F_2$	1	8	$F_1$	275
6154.336990	6154.323296	13.694	$0.5363 \times 10^{-4}$	$0.1172 \times 10^{-4}$	357.416	7	$F_1$	1	8	$F_2$	283
6154.633500	6154.617534	15.966		$0.1310 \times 10^{-4}$		7	$F_2$	1	8	$F_1$	276
6154.934481	6154.935912	-1.431	$0.1025 \times 10^{-4}$	$0.8901 \times 10^{-5}$	15.159	8	$F_2$	2	9	$F_1$	307
6154.976164	6154.976306	-0.142		$0.8407 \times 10^{-5}$		8	$F_2$	1	9	$F_1$	307
6155.196015	6155.206938	-10.923	$0.1443 \times 10^{-4}$	$0.1119 \times 10^{-4}$	28.921	8	$F_1$	2	9	$F_2$	299
6155.211000	6155.211945	-0.945		$0.1019 \times 10^{-4}$		11	$F_1$	3	12	$F_2$	392
6155.268210	6155.277997	-9.787	$0.1446 \times 10^{-4}$	$0.6437 \times 10^{-5}$	124.632	8	$F_1$	1	9	$F_2$	299
6155.304020	6155.304487	-0.467	$0.3356 \times 10^{-4}$	$0.3128 \times 10^{-4}$	7.290	11	$F_1$	2	12	$F_2$	392
6155.470400	6155.490895	-20.495		$0.2368 \times 10^{-4}$		8	$A_1$	1	9	$A_2$	104
6155.509660	6155.505357	4.303		$0.2015 \times 10^{-4}$		7	$F_2$	2	8	$F_1$	277
6155.543640	6155.543376	0.264		$0.1908 \times 10^{-4}$		7	$F_2$	1	8	$F_1$	277
6156.584489	6156.577930	6.559	$0.8386 \times 10^{-3}$	$0.8487 \times 10^{-4}$	888.121	7	$A_2$	1	8	$A_1$	99
6157.103846	6157.106710	-2.864	$0.3579 \times 10^{-3}$	$0.4275 \times 10^{-4}$	737.150	7	$F_2$	2	8	$F_1$	278
6157.141641	6157.144729	-3.088	$0.9093 \times 10^{-4}$	$0.2204 \times 10^{-5}$	4024.807	7	$F_2$	1	8	$F_1$	278
6157.368910	6157.383709	-14.799	$0.5172 \times 10^{-4}$	$0.7984 \times 10^{-5}$	547.776	7	$F_1$	2	8	$F_2$	285
6157.425302	6157.439400	-14.098		$0.7638 \times 10^{-5}$		7	$F_1$	1	8	$F_2$	285
6157.862899	6157.849498	13.401	$0.4029 \times 10^{-3}$	$0.3498 \times 10^{-4}$	1051.762	7	$E$	1	8	$E$	190
6157.904241	6157.898585	5.656	$0.6331 \times 10^{-3}$	$0.6397 \times 10^{-4}$	889.713	7	$F_1$	2	8	$F_2$	286
6157.960104	6157.954276	5.828		$0.6622 \times 10^{-6}$		7	$F_1$	1	8	$F_2$	286
6158.041658	6158.055796	-14.138		$0.3789 \times 10^{-3}$		11	$F_1$	3	12	$F_2$	393
6158.102157	6158.101254	0.903	$0.2339 \times 10^{-3}$	$0.1340 \times 10^{-4}$	1645.737	7	$F_2$	2	8	$F_1$	279
6158.140076	6158.139273	0.803	$0.1631 \times 10^{-3}$	$0.3195 \times 10^{-5}$	5004.360	7	$F_2$	1	8	$F_1$	279
6158.201780	6158.207867	-6.087		$0.2242 \times 10^{-3}$		11	$E$	2	12	$E$	262
6158.367170	6158.367649	-0.479		$0.3246 \times 10^{-3}$		11	$F_2$	3	12	$F_1$	388

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6158.453412	6158.446746	6.666		$0.2327 \times 10^{-3}$		9	$F_1$	1	10	$F_2$	335
6161.110460	6161.114356	-3.896	$0.1206 \times 10^{-3}$	$0.1149 \times 10^{-3}$	4.959	11	$E$	1	12	$E$	263
6161.255460	6161.258454	-2.994	$0.1732 \times 10^{-3}$	$0.1725 \times 10^{-3}$	0.408	11	$F_2$	2	12	$F_1$	389
6161.512204	6161.509581	2.623	$0.3036 \times 10^{-3}$	$0.3027 \times 10^{-3}$	0.302	11	$A_2$	1	12	$A_1$	136
6161.890508	6161.886895	3.613	$0.1943 \times 10^{-3}$	$0.1733 \times 10^{-3}$	12.139	9	$E$	1	10	$E$	223
6161.944448	6161.940479	3.969	$0.2378 \times 10^{-3}$	$0.2371 \times 10^{-3}$	0.299	9	$F_1$	2	10	$F_2$	336
6162.063914	6162.059156	4.758	$0.3489 \times 10^{-3}$	$0.3626 \times 10^{-3}$	-3.779	9	$A_1$	1	10	$A_2$	109
6162.160571	6162.160717	-0.146	$0.9896 \times 10^{-4}$	$0.1031 \times 10^{-3}$	-4.035	11	$F_2$	1	12	$F_1$	390
6162.240110	6162.233215	6.895	$0.8274 \times 10^{-4}$	$0.1047 \times 10^{-3}$	-20.980	11	$F_1$	1	12	$F_2$	395
6163.523344	6163.511159	12.185	$0.2963 \times 10^{-3}$	$0.2959 \times 10^{-4}$	901.267	7	$F_1$	1	8	$F_2$	287
6163.541010	6163.538001	3.009	$0.2627 \times 10^{-3}$	$0.2655 \times 10^{-4}$	889.371	7	$F_2$	1	8	$F_1$	280
6163.776590	6163.773038	3.552	$0.2162 \times 10^{-3}$	$0.2235 \times 10^{-3}$	-3.278	9	$F_1$	3	10	$F_2$	337
6163.827710	6163.822758	4.952	$0.2150 \times 10^{-4}$	$0.2408 \times 10^{-4}$	-10.700	9	$F_1$	2	10	$F_2$	337
6163.906736	6163.905597	1.139	$0.4161 \times 10^{-5}$	$0.6268 \times 10^{-5}$	-33.619	8	$F_1$	1	9	$F_2$	306
6164.119330	6164.117377	1.953	$0.2085 \times 10^{-3}$	$0.2248 \times 10^{-3}$	-7.230	9	$F_2$	2	10	$F_1$	328
6164.233460	6164.221325	12.135		$0.7472 \times 10^{-4}$		8	$A_1$	1	9	$A_2$	106
6164.504172	6164.496358	7.814		$0.6800 \times 10^{-5}$		8	$F_1$	2	9	$F_2$	307
6164.579311	6164.567416	11.895	$0.1392 \times 10^{-4}$	$0.1254 \times 10^{-4}$	11.012	8	$F_1$	1	9	$F_2$	307
6164.629511	6164.634894	-5.383	$0.3623 \times 10^{-3}$	$0.3977 \times 10^{-3}$	-8.905	9	$A_2$	1	10	$A_1$	115
6165.019675	6165.033524	-13.849	$0.7312 \times 10^{-4}$	$0.7213 \times 10^{-5}$	913.667	7	$F_2$	2	8	$F_1$	281
6165.101487	6165.109792	-8.305	$0.3014 \times 10^{-3}$	$0.2577 \times 10^{-4}$	1069.750	7	$A_2$	1	8	$A_1$	100
6166.319790	6166.318700	1.090	$0.9238 \times 10^{-4}$	$0.1722 \times 10^{-4}$	436.347	8	$F_1$	1	9	$F_2$	309
6166.541610	6166.534292	7.318	$0.2379 \times 10^{-4}$	$0.1010 \times 10^{-4}$	135.626	8	$F_2$	2	9	$F_1$	317
6166.579570	6166.574687	4.883	$0.3511 \times 10^{-4}$	$0.9839 \times 10^{-5}$	256.845	8	$F_2$	1	9	$F_1$	317
6166.868466	6166.914960	-46.494	$0.4467 \times 10^{-3}$	$0.4701 \times 10^{-3}$	-4.982	12	$A_1$	2	13	$A_2$	142
6167.136345	6167.173904	-37.559	$0.2281 \times 10^{-3}$	$0.2427 \times 10^{-3}$	-6.018	12	$F_2$	3	13	$F_1$	427
6167.280450	6167.308136	-27.686		$0.4022 \times 10^{-3}$		12	$A_2$	1	13	$A_1$	138
6167.605550	6167.592313	13.237	$0.1881 \times 10^{-4}$	$0.5715 \times 10^{-5}$	229.123	8	$F_2$	2	9	$F_1$	318
6167.644930	6167.632708	12.222	$0.8323 \times 10^{-4}$	$0.1008 \times 10^{-4}$	725.741	8	$F_2$	1	9	$F_1$	318
6168.908112	6168.910805	-2.693		$0.2987 \times 10^{-3}$		10	$A_2$	1	11	$A_1$	117
6169.920920	6169.921307	-0.387		$0.7391 \times 10^{-5}$		8	$F_2$	2	9	$F_1$	320
6169.956820	6169.961702	-4.882	$0.2149 \times 10^{-3}$	$0.2315 \times 10^{-4}$	828.304	8	$F_2$	1	9	$F_1$	320
6170.039680	6170.070333	-30.653	$0.1016 \times 10^{-3}$	$0.1018 \times 10^{-3}$	-0.153	12	$E$	2	13	$E$	281
6170.288920	6170.298946	-10.026	$0.2188 \times 10^{-3}$	$0.2606 \times 10^{-4}$	739.637	8	$E$	2	9	$E$	209
6170.374900	6170.384588	-9.688		$0.1032 \times 10^{-5}$		8	$E$	1	9	$E$	209
6170.446630	6170.466974	-20.344	$0.1172 \times 10^{-3}$	$0.1206 \times 10^{-3}$	-2.827	12	$F_1$	2	13	$F_2$	420
6170.780385	6170.792554	-12.169	$0.1181 \times 10^{-3}$	$0.1227 \times 10^{-3}$	-3.758	12	$F_2$	1	13	$F_1$	429
6171.225449	6171.254767	-29.318	$0.2632 \times 10^{-3}$	$0.8598 \times 10^{-5}$	2961.251	8	$A_1$	1	9	$A_2$	108
6171.651670	6171.662549	-10.879	$0.6564 \times 10^{-4}$	$0.7044 \times 10^{-4}$	-6.817	12	$F_1$	1	13	$F_2$	421
6171.707070	6171.713164	-6.094	$0.1101 \times 10^{-3}$	$0.1181 \times 10^{-3}$	-6.742	12	$A_1$	1	13	$A_2$	144
6172.808780	6172.822317	-13.537		$0.1131 \times 10^{-4}$		10	$F_1$	2	11	$F_2$	361
6172.851370	6172.862584	-11.214	$0.1740 \times 10^{-3}$	$0.1961 \times 10^{-3}$	-11.267	10	$F_2$	2	11	$F_1$	368
6172.885660	6172.897797	-12.137	$0.1466 \times 10^{-3}$	$0.1726 \times 10^{-3}$	-15.083	10	$F_1$	1	11	$F_2$	361
6174.906843	6174.904443	2.400	$0.2791 \times 10^{-3}$	$0.3532 \times 10^{-3}$	-20.977	10	$A_1$	1	11	$A_2$	125
6175.126510	6175.132630	-6.120	$0.1214 \times 10^{-3}$	$0.1559 \times 10^{-3}$	-22.115	10	$F_1$	2	11	$F_2$	362
6175.202060	6175.208110	-6.050	$0.2564 \times 10^{-4}$	$0.2323 \times 10^{-4}$	10.381	10	$F_1$	1	11	$F_2$	362
6176.992501	6176.981975	10.526	$0.3770 \times 10^{-3}$	$0.4009 \times 10^{-4}$	840.414	8	$A_1$	1	9	$A_2$	109
6177.016284	6177.014559	1.725		$0.2262 \times 10^{-4}$		8	$F_1$	1	9	$F_2$	314
6177.028102	6177.032008	-3.906		$0.1454 \times 10^{-4}$		8	$E$	1	9	$E$	211
6177.413736	6177.412858	0.878		$0.4499 \times 10^{-5}$		9	$F_1$	2	10	$F_2$	346

Table II (continued).

$\tilde{\nu}_e/\text{cm}^{-1}$	$\tilde{\nu}_c/\text{cm}^{-1}$	$\tilde{\nu}_e - \tilde{\nu}_c/10^{-3}\text{cm}^{-1}$	$I_e/\text{cm}^{-2}\text{atm}^{-1}$	$I_c/\text{cm}^{-2}\text{atm}^{-1}$	$I_e - I_c/\%$	$J''$	$C''$	$\alpha''$	$J'$	$C'$	$\alpha'$
6177.501480	6177.501180	0.300		$0.2041 \times 10^{-4}$		9	$F_1$	1	10	$F_2$	346
6177.601903	6177.606050	-4.147		$0.1011 \times 10^{-4}$		9	$F_2$	2	10	$F_1$	339
6177.747480	6177.750766	-3.286	$0.3848 \times 10^{-4}$	$0.2101 \times 10^{-4}$	83.148	9	$F_2$	1	10	$F_1$	339
6177.821440	6177.839476	-18.036		$0.4017 \times 10^{-4}$		9	$A_2$	1	10	$A_1$	119
6178.906774	6178.929786	-23.012		$0.1331 \times 10^{-4}$		9	$F_1$	3	10	$F_2$	348
6179.043530	6179.067828	-24.298	$0.2198 \times 10^{-4}$	$0.8040 \times 10^{-7}$	27239.212	9	$F_1$	1	10	$F_2$	348
6180.324750	6180.331438	-6.688	$0.8352 \times 10^{-4}$	$0.2789 \times 10^{-4}$	199.412	9	$F_1$	3	10	$F_2$	349
6180.374020	6180.381158	-7.138	$0.9817 \times 10^{-4}$	$0.1443 \times 10^{-4}$	580.278	9	$F_1$	2	10	$F_2$	349
6180.594733	6180.611676	-16.943	$0.4462 \times 10^{-3}$	$0.1267 \times 10^{-3}$	252.208	9	$A_1$	1	10	$A_2$	113
6180.650721	6180.657409	-6.688	$0.3298 \times 10^{-3}$	$0.8440 \times 10^{-4}$	290.750	9	$A_2$	1	10	$A_1$	120
6181.121500	6181.147773	-26.273	$0.1370 \times 10^{-3}$	$0.3014 \times 10^{-4}$	354.543	9	$F_2$	2	10	$F_1$	342
6181.400290	6181.405572	-5.282		$0.1717 \times 10^{-4}$		9	$F_1$	3	10	$F_2$	350
6183.632920	6183.635378	-2.458	$0.6292 \times 10^{-4}$	$0.1010 \times 10^{-4}$	522.707	9	$F_1$	3	10	$F_2$	351
6183.683330	6183.685097	-1.767	$0.6121 \times 10^{-4}$	$0.1314 \times 10^{-4}$	365.991	9	$F_1$	2	10	$F_2$	351
6183.801840	6183.859741	-57.901		$0.2376 \times 10^{-3}$		11	$A_2$	1	12	$A_1$	137
6184.397668	6184.416398	-18.730	$0.1202 \times 10^{-3}$	$0.1039 \times 10^{-4}$	1057.346	9	$F_2$	2	10	$F_1$	344
6184.490596	6184.502861	-12.265	$0.2522 \times 10^{-3}$	$0.2058 \times 10^{-4}$	1125.310	9	$A_2$	1	10	$A_1$	121
6184.539138	6184.561114	-21.976		$0.1853 \times 10^{-5}$		9	$F_2$	1	10	$F_1$	344
6189.828430	6189.899492	-71.062		$0.1482 \times 10^{-3}$		12	$A_1$	1	13	$A_2$	145
6190.586430	6190.658445	-72.015	$0.1034 \times 10^{-3}$	$0.4980 \times 10^{-4}$	107.641	10	$A_1$	1	11	$A_2$	129
6190.685020	6190.697382	-12.362	$0.1585 \times 10^{-3}$	$0.1634 \times 10^{-4}$	870.298	9	$F_1$	1	10	$F_2$	354
6190.705990	6190.723051	-17.061	$0.1513 \times 10^{-3}$	$0.1561 \times 10^{-4}$	869.214	9	$F_2$	1	10	$F_1$	346
6191.132090	6191.105746	26.344		$0.4276 \times 10^{-4}$		10	$A_2$	1	11	$A_1$	121
6191.746695	6191.777292	-30.597	$0.3156 \times 10^{-4}$	$0.2584 \times 10^{-4}$	22.135	10	$F_2$	3	11	$F_1$	381
6191.862947	6191.892632	-29.685		$0.1307 \times 10^{-4}$		10	$F_2$	2	11	$F_1$	381
6191.979965	6192.010052	-30.087		$0.3136 \times 10^{-6}$		10	$F_2$	1	11	$F_1$	381
6192.066190	6192.122447	-56.257	$0.4834 \times 10^{-4}$	$0.3281 \times 10^{-4}$	47.338	10	$E$	2	11	$E$	250
6192.286180	6192.343096	-56.916		$0.6751 \times 10^{-7}$		10	$E$	1	11	$E$	250
6192.816866	6192.813472	3.394	$0.1027 \times 10^{-3}$	$0.4418 \times 10^{-4}$	132.478	10	$F_1$	2	11	$F_2$	376
6192.891969	6192.888952	3.017	$0.5265 \times 10^{-4}$	$0.1718 \times 10^{-4}$	206.433	10	$F_1$	1	11	$F_2$	376
6192.950430	6192.905061	45.369	$0.3317 \times 10^{-4}$	$0.4376 \times 10^{-5}$	658.012	10	$E$	2	11	$E$	251
6193.552771	6193.567194	-14.423	$0.1338 \times 10^{-3}$	$0.3117 \times 10^{-4}$	329.195	10	$F_2$	3	11	$F_1$	383
6204.547000	6204.588914	-41.914		$0.6805 \times 10^{-5}$		10	$E$	1	11	$E$	255
6204.560100	6204.597461	-37.361		$0.1009 \times 10^{-4}$		10	$F_2$	1	11	$F_1$	388
6204.573600	6204.614956	-41.356		$0.1641 \times 10^{-4}$		10	$A_2$	1	11	$A_1$	124