Synthesis, High Resolution Millimeter-Wave Spectroscopy and *ab initio* Calculations of Ethylmercury Hydride

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Title running head: Rotational Spectrum of ethylmercury hydride

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Table S1. The calculated molecular structure of ethanemercurol at the MP2/cc-pVTZ-PP level.

atom	N_A	N_B	N_C	bond/pm	angle/°	dihedral/°
C1						
C2	1			153.06		
Hg3	2	1		207.77	113.6	
H4	1	2	3	109.09	111.3	-180
H5	1	2	3	108.89	111.7	60
H6	1	2	3	108.89	111.7	-60
H7	2	1	3	109.07	110.2	-121
H8	2	1	3	109.07	110.2	121
H9	3	2	1	161.49	179.6	0

Table S2. Harmonic vibrational frequencies of ethanemercurol calculated at the MP2/cc-pVTZ-PP level in the C_s point group. Intensities in km.mol^{-1} are reported between parentheses.

sym.	ν_n/cm^{-1}		
A"	ν_1	3159.3	(30.4)
	ν_2	3129.3	(3.2)
	ν_3	1522.3	(6.8)
	ν_4	1269.3	(1.5)
	ν_5	980.1	(2.7)
	ν_6	725.9	(14.8)
	ν_7	536.1	(1.4)
	ν_8	233.3	(0.0)
A'	ν_9	3140.0	(24.5)
	ν_{10}	3078.8	(16.3)
	ν_{11}	3062.7	(41.8)
	ν_{12}	2116.3	(407.6)
	ν_{13}	1513.7	(1.0)
	ν_{14}	1466.9	(0.4)
	ν_{15}	1413.2	(5.6)
	ν_{16}	1235.2	(18.6)
	ν_{17}	1052.6	(6.2)
	ν_{18}	985.7	(0.9)
	ν_{19}	637.4	(12.7)
	ν_{20}	519.9	(0.4)
	ν_{21}	198.8	(0.2)

Table S3. Line assignments and observed frequencies of the ^{202}Hg isotope of ethylmercury hidride. The order of the quantum numbers for a level is $J',K_a',K_c'\ J'',K_a'',K_c''$.

			obs	o-c	error	blends o-c	wt
1:	22 1 22	21 1 21	115521.0200	0.0152	0.030		
2:	19 1 19	18 0 18	115535.2310	0.0359	0.050		
3:	24 0 24	23 1 23	115553.9490	0.0282	0.030		
4:	22 0 22	21 0 21	116400.0610	0.0105	0.030		
5:	22 2 21	21 2 20	117316.3390	0.0177	0.030		
6:	22 6 16	21 6 15	117594.6170	0.0252	0.030	0.0254	0.50
7:	22 6 17	21 6 16	117594.6170	0.0255	0.030	0.0254	0.50
8:	22 5 17	21 5 16	117596.9300	0.0069	0.030	0.0211	0.50
9:	22 5 18	21 5 17	117596.9300	0.0352	0.030	0.0211	0.50
10:	22 7 16	21 7 15	117601.3930	0.0218	0.030	0.0219	0.50
11:	22 7 15	21 7 14	117601.3930	0.0218	0.030	0.0219	0.50
12:	22 8 14	21 8 13	117614.0570	0.0110	0.030	0.0110	0.50
13:	22 8 15	21 8 14	117614.0570	0.0110	0.030	0.0110	0.50
14:	22 4 19	21 4 18	117615.4740	0.0413	0.030		
15:	22 4 18	21 4 17	117617.5000	-0.0307	0.030		
16:	22 9 13	21 9 12	117631.1360	0.0036	0.030	0.0037	0.50
17:	22 9 14	21 9 13	117631.1360	0.0036	0.030	0.0037	0.50
18:	22 3 20	21 3 19	117640.6850	0.0050	0.030		
19:	22 10 13	21 10 12	117651.8730	0.0161	0.030	0.0162	0.50
20:	22 10 12	21 10 11	117651.8730	0.0161	0.030	0.0162	0.50
21:	22 11 11	21 11 10	117675.8120	0.0341	0.030	0.0342	0.50
22:	22 11 12	21 11 11	117675.8120	0.0341	0.030	0.0342	0.50
23:	22 12 10	21 12 9	117702.6320	0.0094	0.050	0.0095	0.50
24:	22 12 11	21 12 10	117702.6320	0.0094	0.050	0.0095	0.50
25:	22 3 19	21 3 18	117720.7160	-0.0051	0.030		
26:	22 13 9	21 13 8	117732.2350	0.0245	0.030	0.0246	0.50
27:	22 13 10	21 13 9	117732.2350	0.0245	0.030	0.0246	0.50
28:	22 14 8	21 14 7	117764.4540	0.0402	0.030	0.0403	0.50
29:	22 14 9	21 14 8	117764.4540	0.0402	0.030	0.0403	0.50
30:	32 3 29	32 2 30	117787.2540	0.0255	0.050		
31:	22 15 8	21 15 7	117799.1660	0.0298	0.050	0.0299	0.50
32:	22 15 7	21 15 6	117799.1660	0.0298	0.050	0.0299	0.50
33:	22 16 7	21 16 6	117836.3270	0.0261	0.050	0.0261	0.50
34:	22 16 6	21 16 5	117836.3270	0.0261	0.050	0.0261	0.50
35:	22 2 20	21 2 19	118425.4050	0.0144	0.030		
36:	22 1 21	21 1 20	118891.4390	0.0149	0.030		
37:	31 3 28	31 2 29	119092.3740	0.0847	0.050		
38:	20 1 20	19 0 19	119846.9820	-0.0125	0.030		
39:	23 1 23	22 1 22	120744.8680	-0.0101	0.030		
40:	52 2 50	52 1 51	120917.4780	0.0044	0.050		
41:	25 0 25	24 1 24	121565.1910	0.0295	0.030		
42:	29 3 26	29 2 27	121598.1050	0.0822	0.050		
43:	23 0 23	22 0 22	121599.4100	-0.0009	0.030		
44:	23 2 22	22 2 21	122623.8230	0.0048	0.030		
45:	23 6 17	22 6 16	122937.6510	0.0086	0.030	0.0088	0.50
46:	23 6 18	22 6 17	122937.6510	0.0090	0.030	0.0088	0.50
47:	23 5 18	22 5 17	122941.6340	-0.0156	0.030	0.0056	0.50
48:	23 5 19	22 5 18	122941.6340	0.0267	0.030	0.0056	0.50
49:	23 7 16	22 7 15	122943.8130	0.0045	0.030	0.0046	0.50
50:	23 7 17	22 7 16	122943.8130	0.0045	0.030	0.0046	0.50
51:	23 8 15	22 8 14	122956.4750	0.0056	0.030	0.0057	0.50
52:	23 8 16	22 8 15	122956.4750	0.0056	0.030	0.0057	0.50
53:	23 4 20	22 4 19	122963.7060	0.0355	0.030		
54:	23 4 19	22 4 18	122966.5030	-0.0327	0.030		
55:	23 9 15	22 9 14	122973.9470	0.0157	0.030	0.0158	0.50
56:	23 9 14	22 9 13	122973.9470	0.0157	0.030	0.0158	0.50
57:	23 3 21	22 3 20	122989.7230	0.0111	0.030		

58:	23	10	14	22	10	13	122995.3250	0.0124	0.030	0.0124	0.50
59:	23	10	13	22	10	12	122995.3250	0.0124	0.030	0.0124	0.50
60:	23	11	12	22	11	11	123020.1310	0.0203	0.030	0.0203	0.50
61:	23	11	13	22	11	12	123020.1310	0.0203	0.030	0.0203	0.50
62:	23	12	12	22	12	11	123048.0190	0.0027	0.030	0.0027	0.50
63:	23	12	11	22	12	10	123048.0190	0.0027	0.030	0.0027	0.50
64:	23	13	11	22	13	10	123078.8380	0.0127	0.030	0.0127	0.50
65:	23	13	10	22	13	9	123078.8380	0.0127	0.030	0.0127	0.50
66:	23	3	20	22	3	19	123089.3580	0.0114	0.030		
67:	23	14	10	22	14	9	123112.3670	-0.0273	0.050	-0.0273	0.50
68:	23	14	9	22	14	8	123112.3670	-0.0273	0.050	-0.0273	0.50
69:	23	15	8	22	15	7	123148.5680	-0.0480	0.050	-0.0480	0.50
70:	23	15	9	22	15	8	123148.5680	-0.0480	0.050	-0.0480	0.50
71:	23	16	8	22	16	7	123187.4100	0.0045	0.030	0.0046	0.50
72:	23	16	7	22	16	6	123187.4100	0.0045	0.030	0.0046	0.50
73:	23	17	7	22	17	6	123228.6730	-0.0185	0.030	-0.0186	0.50
74:	23	17	6	22	17	5	123228.6730	-0.0185	0.030	-0.0186	0.50
75:	23	18	6	22	18	5	123272.4460	0.0335	0.050	0.0336	0.50
76:	23	18	5	22	18	4	123272.4460	0.0335	0.050	0.0336	0.50
77:	23	19	5	22	19	4	123318.5830	0.0712	0.030	0.0713	0.50
78:	23	19	4	22	19	3	123318.5830	0.0712	0.030	0.0713	0.50
79:	23	2	21	22	2	20	123868.5980	0.0060	0.030		
80:	27	3	24	27	2	25	123908.4660	-0.0181	0.050		
81:	21	1	21	20	0	20	124163.9840	-0.0255	0.030		
82:	23	1	22	22	1	21	124251.2990	0.0007	0.030		
83:	24	1	24	23	1	23	125965.8300	0.0033	0.030		
84:	24	0	24	23	0	23	126791.5270	0.0018	0.030		
85:	32	1	31	31	2	30	127340.5540	-0.0872	0.050		
86:	26	0	26	25	1	25	127538.0660	0.0097	0.030		
87:	24	2	23	23	2	22	127928.0610	0.0049	0.030		
88:	24	6	19	23	6	18	128280.4000	-0.0009	0.030	-0.0012	0.50
89:	24	6	18	23	6	17	128280.4000	-0.0015	0.030	-0.0012	0.50
90:	24	7	17	23	7	16	128285.8300	-0.0021	0.030	-0.0021	0.50
91:	24	7	18	23	7	17	128285.8300	-0.0021	0.030	-0.0021	0.50
92:	24	5	19	23	5	18	128286.2660	-0.0296	0.030	0.0015	0.50
93:	24	5	20	23	5	19	128286.2660	0.0327	0.030	0.0015	0.50
94:	24	8	16	23	8	15	128298.4040	0.0030	0.030	0.0030	0.50
95:	24	8	17	23	8	16	128298.4040	0.0030	0.030	0.0030	0.50
96:	24	4	21	23	4	20	128312.1450	0.0271	0.030		
97:	24	4	20	23	4	19	128315.9410	-0.0364	0.050		
98:	24	9	15	23	9	14	128316.2210	0.0355	0.050	0.0355	0.50
99:	24	9	16	23	9	15	128316.2210	0.0355	0.050	0.0355	0.50
100:	24	3	22	23	3	21	128338.2850	-0.0219	0.030	0.0428	0.47
101:	24	10	15	23	10	14	128338.2850	0.0990	0.030	0.0428	0.27
102:	24	10	14	23	10	13	128338.2850	0.0990	0.030	0.0428	0.27
103:	24	11	13	23	11	12	128363.8220	-0.0114	0.050	-0.0114	0.50
104:	24	11	14	23	11	13	128363.8220	-0.0114	0.050	-0.0114	0.50
105:	24	12	13	23	12	12	128392.7900	0.0111	0.030	0.0112	0.50
106:	24	12	12	23	12	11	128392.7900	0.0111	0.030	0.0112	0.50
107:	24	13	12	23	13	11	128424.8230	0.0303	0.050	0.0303	0.50
108:	24	13	11	23	13	10	128424.8230	0.0303	0.050	0.0303	0.50
109:	24	14	11	23	14	10	128459.7070	-0.0074	0.030	-0.0075	0.50
110:	24	14	10	23	14	9	128459.7070	-0.0074	0.030	-0.0075	0.50
111:	24	3	21	23	3	20	128461.0910	0.0055	0.030		
112:	22	1	22	21	0	21	128492.1480	-0.0396	0.030		
113:	24	15	9	23	15	8	128497.4200	-0.0050	0.030	-0.0050	0.50
114:	24	15	10	23	15	9	128497.4200	-0.0050	0.030	-0.0050	0.50
115:	24	16	9	23	16	8	128537.8420	0.0114	0.030	0.0114	0.50
116:	24	16	8	23	16	7	128537.8420	0.0114	0.030	0.0114	0.50
117:	24	17	7	23	17	6	128580.8620	0.0084	0.030	0.0085	0.50
118:	24	17	8	23	17	7	128580.8620	0.0084	0.030	0.0085	0.50
119:	24	18	6	23	18	5	128626.4270	0.0005	0.050	0.0006	0.50
120:	24	18	7	23	18	6	128626.4270	0.0005	0.050	0.0006	0.50
121:	24	19	6	23	19	5	128674.5210	0.0322	0.050	0.0323	0.50
122:	24	19	5	23	19	4	128674.5210	0.0322	0.050	0.0323	0.50
123:	24	20	4	23	20	3	128725.0070	0.0230	0.050	0.0231	0.50
124:	24	20	5	23	20	4	128725.0070	0.0230	0.050	0.0231	0.50

125:	24	21	3	23	21	2	128777.8900	0.0315	0.030	0.0315	0.50
126:	24	21	4	23	21	3	128777.8900	0.0315	0.030	0.0315	0.50
127:	24	2	22	23	2	21	129314.8050	-0.0035	0.050		
128:	24	1	23	23	1	22	129604.5290	0.0018	0.050		
129:	25	1	25	24	1	24	131183.8490	-0.0017	0.050		
130:	25	0	25	24	0	24	131977.0620	-0.0052	0.050		
131:	23	1	23	22	0	22	132836.9810	-0.0343	0.030		
132:	25	2	24	24	2	23	133228.9210	0.0045	0.030		
133:	27	0	27	26	1	26	133470.3670	-0.0071	0.030		
134:	25	6	19	24	6	18	133622.8550	-0.0007	0.030	-0.0003	0.50
135:	25	6	20	24	6	19	133622.8550	0.0001	0.030	-0.0003	0.50
136:	25	7	18	24	7	17	133627.4230	-0.0005	0.030	-0.0005	0.50
137:	25	7	19	24	7	18	133627.4230	-0.0005	0.030	-0.0005	0.50
138:	25	5	21	24	5	20	133630.8140	0.0464	0.030	0.0013	0.50
139:	25	5	20	24	5	19	133630.8140	-0.0437	0.030	0.0013	0.50
140:	25	8	17	24	8	16	133639.8170	-0.0021	0.030	-0.0021	0.50
141:	25	8	18	24	8	17	133639.8170	-0.0021	0.030	-0.0021	0.50
142:	25	9	16	24	9	15	133657.8750	0.0040	0.030	0.0041	0.50
143:	25	9	17	24	9	16	133657.8750	0.0040	0.030	0.0041	0.50
144:	25	4	22	24	4	21	133660.7810	0.0171	0.030		
145:	25	4	21	24	4	20	133665.8800	-0.0175	0.030		
146:	25	10	15	24	10	14	133680.4700	0.0187	0.030	0.0187	0.50
147:	25	10	16	24	10	15	133680.4700	0.0187	0.030	0.0187	0.50
148:	25	3	23	24	3	22	133686.3240	0.0009	0.030		
149:	25	11	14	24	11	13	133706.9200	0.0007	0.030	0.0007	0.50
150:	25	11	15	24	11	14	133706.9200	0.0007	0.030	0.0007	0.50
151:	25	12	13	24	12	12	133736.8740	-0.0085	0.030	-0.0085	0.50
152:	25	12	14	24	12	13	133736.8740	-0.0085	0.030	-0.0085	0.50
153:	25	13	12	24	13	11	133770.0960	0.0118	0.030	0.0119	0.50
154:	25	13	13	24	13	12	133770.0960	0.0118	0.030	0.0119	0.50
155:	25	14	11	24	14	10	133806.3750	0.0297	0.030	0.0297	0.50
156:	25	14	12	24	14	11	133806.3750	0.0297	0.030	0.0297	0.50
157:	25	3	22	24	3	21	133836.1970	-0.0145	0.030		
158:	25	15	10	24	15	9	133845.5110	-0.0228	0.030	-0.0228	0.50
159:	25	15	11	24	15	10	133845.5110	-0.0228	0.030	-0.0228	0.50
160:	25	16	9	24	16	8	133887.5820	0.0353	0.030	0.0353	0.50
161:	25	16	10	24	16	9	133887.5820	0.0353	0.030	0.0353	0.50
162:	25	17	8	24	17	7	133932.2920	-0.0069	0.030	-0.0070	0.50
163:	25	17	9	24	17	8	133932.2920	-0.0069	0.030	-0.0070	0.50
164:	25	2	23	24	2	22	134763.1620	-0.0006	0.030		
165:	21	3	19	21	2	20	134845.4830	0.0208	0.050		
166:	25	1	24	24	1	23	134950.6790	-0.0072	0.030		
167:	22	3	20	22	2	21	135169.8100	-0.0108	0.050		
168:	23	3	21	23	2	22	135535.6920	-0.0225	0.050		
169:	26	1	26	25	1	25	136398.9570	-0.0038	0.030		
170:	26	3	24	26	2	25	136910.7040	0.0085	0.050		
171:	26	0	26	25	0	25	137156.7370	-0.0084	0.030		
172:	24	1	24	23	0	23	137203.4030	-0.0279	0.030		
173:	27	3	25	27	2	26	137470.6690	0.0233	0.050		
174:	26	2	25	25	2	24	138526.2810	-0.0041	0.030		
175:	29	3	27	29	2	28	138758.9030	-0.0332	0.050		
176:	26	6	20	25	6	19	138964.9920	0.0003	0.030	0.0011	0.50
177:	26	6	21	25	6	20	138964.9920	0.0018	0.030	0.0011	0.50
178:	26	7	19	25	7	18	138968.5630	-0.0010	0.030	-0.0010	0.50
179:	26	7	20	25	7	19	138968.5630	-0.0010	0.030	-0.0010	0.50
180:	26	5	22	25	5	21	138975.2640	0.0596	0.030	-0.0047	0.50
181:	26	5	21	25	5	20	138975.2640	-0.0690	0.030	-0.0047	0.50
182:	26	8	18	25	8	17	138980.7000	-0.0017	0.030	-0.0017	0.50
183:	26	8	19	25	8	18	138980.7000	-0.0017	0.030	-0.0017	0.50
184:	26	9	18	25	9	17	138998.9530	-0.0104	0.030	-0.0105	0.50
185:	26	9	17	25	9	16	138998.9530	-0.0104	0.030	-0.0105	0.50
186:	26	4	23	25	4	22	139009.5970	0.0035	0.030		
187:	26	4	22	25	4	21	139016.3360	-0.0068	0.030		
188:	26	10	16	25	10	15	139022.0800	-0.0028	0.030	-0.0029	0.50
189:	26	10	17	25	10	16	139022.0800	-0.0028	0.030	-0.0029	0.50
190:	26	3	24	25	3	23	139033.6160	0.0075	0.030		
191:	26	11	16	25	11	15	139049.3610	0.0196	0.050	0.0197	0.50

192:	26	11	15	25	11	14	139049.3610	0.0196	0.050	0.0197	0.50
193:	26	12	15	25	12	14	139080.3010	0.0013	0.030	0.0013	0.50
194:	26	12	14	25	12	13	139080.3010	0.0013	0.030	0.0013	0.50
195:	26	13	14	25	13	13	139114.6770	0.0056	0.030	0.0056	0.50
196:	26	13	13	25	13	12	139114.6770	0.0056	0.030	0.0056	0.50
197:	26	14	12	25	14	11	139152.2510	-0.0068	0.030	-0.0068	0.50
198:	26	14	13	25	14	12	139152.2510	-0.0068	0.030	-0.0068	0.50
199:	26	15	11	25	15	10	139192.9220	0.0089	0.030	0.0090	0.50
200:	26	15	12	25	15	11	139192.9220	0.0089	0.030	0.0090	0.50
201:	26	3	23	25	3	22	139215.0040	-0.0001	0.030		
202:	26	16	11	25	16	10	139236.5170	-0.0069	0.030	-0.0069	0.50
203:	26	16	10	25	16	9	139236.5170	-0.0069	0.030	-0.0069	0.50
204:	26	17	9	25	17	8	139282.9980	0.0000	0.030	0.0000	0.50
205:	26	17	10	25	17	9	139282.9980	0.0000	0.030	0.0000	0.50
206:	26	18	8	25	18	7	139332.2700	0.0136	0.050	0.0137	0.50
207:	26	18	9	25	18	8	139332.2700	0.0136	0.050	0.0137	0.50
208:	28	0	28	27	1	27	139360.5840	0.0120	0.030		
209:	26	19	7	25	19	6	139384.1090	-0.1197	0.050		
210:	26	20	6	25	20	5	139438.8300	-0.0206	0.050	-0.0207	0.50
211:	26	20	7	25	20	6	139438.8300	-0.0206	0.050	-0.0207	0.50
212:	30	3	28	30	2	29	139492.2700	-0.0598	0.050		
213:	26	21	6	25	21	5	139496.1020	0.0405	0.050	0.0405	0.50
214:	26	21	5	25	21	4	139496.1020	0.0405	0.050	0.0405	0.50
215:	26	2	24	25	2	23	140212.7190	-0.0184	0.030		
216:	26	1	25	25	1	24	140289.3320	-0.0130	0.030		
217:	27	2	26	26	2	25	143820.0530	0.0001	0.030		
218:	27	6	22	26	6	21	144306.7880	-0.0052	0.030	-0.0064	0.50
219:	27	6	21	26	6	20	144306.7880	-0.0075	0.030	-0.0064	0.50
220:	27	7	20	26	7	19	144309.2310	-0.0038	0.030	-0.0039	0.50
221:	27	7	21	26	7	20	144309.2310	-0.0038	0.030	-0.0039	0.50
222:	27	5	23	26	5	22	144319.6170	0.0791	0.030	-0.0113	0.50
223:	27	5	22	26	5	21	144319.6170	-0.1017	0.030	-0.0113	0.50
224:	27	8	19	26	8	18	144321.0200	-0.0068	0.030	-0.0068	0.50
225:	27	8	20	26	8	19	144321.0200	-0.0068	0.030	-0.0068	0.50
226:	27	9	18	26	9	17	144339.4310	-0.0079	0.030	-0.0079	0.50
227:	27	9	19	26	9	18	144339.4310	-0.0079	0.030	-0.0079	0.50
228:	27	4	24	26	4	23	144358.5860	-0.0013	0.030		
229:	27	10	17	26	10	16	144363.0450	-0.0100	0.030	-0.0100	0.50
230:	27	10	18	26	10	17	144363.0450	-0.0100	0.030	-0.0100	0.50
231:	27	4	23	26	4	22	144367.3440	-0.0218	0.030		
232:	27	3	25	26	3	24	144379.9930	-0.0100	0.030		
233:	27	11	16	26	11	15	144391.0710	-0.0017	0.030	-0.0017	0.50
234:	27	11	17	26	11	16	144391.0710	-0.0017	0.030	-0.0017	0.50
235:	27	12	15	26	12	14	144422.9980	-0.0045	0.030	-0.0045	0.50
236:	27	12	16	26	12	15	144422.9980	-0.0045	0.030	-0.0045	0.50
237:	27	13	14	26	13	13	144458.5240	-0.0019	0.030	-0.0020	0.50
238:	27	13	15	26	13	14	144458.5240	-0.0019	0.030	-0.0020	0.50
239:	27	14	13	26	14	12	144497.4140	-0.0091	0.030	-0.0091	0.50
240:	27	14	14	26	14	13	144497.4140	-0.0091	0.030	-0.0091	0.50
241:	27	15	13	26	15	12	144539.5130	-0.0203	0.030	-0.0203	0.50
242:	27	15	12	26	15	11	144539.5130	-0.0203	0.030	-0.0203	0.50
243:	27	16	11	26	16	10	144584.7240	-0.0086	0.030	-0.0087	0.50
244:	27	16	12	26	16	11	144584.7240	-0.0086	0.030	-0.0087	0.50
245:	27	3	24	26	3	23	144597.7200	-0.0239	0.030		
246:	27	17	10	26	17	9	144632.9240	0.0034	0.030	0.0034	0.50
247:	27	17	11	26	17	10	144632.9240	0.0034	0.030	0.0034	0.50
248:	27	18	9	26	18	8	144683.9950	-0.0167	0.050	-0.0168	0.50
249:	27	18	10	26	18	9	144683.9950	-0.0167	0.050	-0.0168	0.50
250:	27	20	7	26	20	6	144794.6370	0.0279	0.050	0.0279	0.50
251:	27	20	8	26	20	7	144794.6370	0.0279	0.050	0.0279	0.50
252:	27	21	6	26	21	5	144853.9810	-0.0008	0.050	-0.0008	0.50
253:	27	21	7	26	21	6	144853.9810	-0.0008	0.050	-0.0008	0.50
254:	29	0	29	28	1	28	145207.7900	0.0343	0.050		
255:	36	3	34	36	2	35	145284.8050	-0.0849	0.050		
256:	27	1	26	26	1	25	145620.0540	-0.0179	0.030		
257:	27	2	25	26	2	24	145662.5840	-0.0166	0.030		
258:	40	2	39	40	1	40	146073.5980	-0.0195	0.050		

259:	28	1	28	27	1	27	146820.5200	-0.0060	0.030		
260:	28	0	28	27	0	27	147501.3640	-0.0104	0.030		
261:	28	2	27	27	2	26	149110.1170	0.0015	0.030		
262:	28	6	22	27	6	21	149648.2420	-0.0119	0.030	-0.0102	0.50
263:	28	6	23	27	6	22	149648.2420	-0.0085	0.030	-0.0102	0.50
264:	28	7	22	27	7	21	149649.4090	-0.0081	0.030	-0.0081	0.50
265:	28	7	21	27	7	20	149649.4090	-0.0081	0.030	-0.0081	0.50
266:	28	8	20	27	8	19	149660.7640	-0.0083	0.030	-0.0084	0.50
267:	28	8	21	27	8	20	149660.7640	-0.0083	0.030	-0.0084	0.50
268:	28	5	23	27	5	22	149663.8760	-0.1366	0.030	-0.0111	0.50
269:	28	5	24	27	5	23	149663.8760	0.1144	0.030	-0.0111	0.50
270:	28	9	20	27	9	19	149679.2620	-0.0109	0.030	-0.0110	0.50
271:	28	9	19	27	9	18	149679.2620	-0.0109	0.030	-0.0110	0.50
272:	28	10	19	27	10	18	149703.3350	-0.0069	0.030	-0.0069	0.50
273:	28	10	18	27	10	17	149703.3350	-0.0069	0.030	-0.0069	0.50
274:	28	4	25	27	4	24	149707.7190	-0.0023	0.030		
275:	28	4	24	27	4	23	149719.0140	-0.0111	0.030		
276:	28	3	26	27	3	25	149725.3300	-0.0088	0.030		
277:	28	11	17	27	11	16	149732.0750	-0.0115	0.030	-0.0115	0.50
278:	28	11	18	27	11	17	149732.0750	-0.0115	0.030	-0.0115	0.50
279:	28	12	17	27	12	16	149764.9550	-0.0082	0.030	-0.0083	0.50
280:	28	12	16	27	12	15	149764.9550	-0.0082	0.030	-0.0083	0.50
281:	28	13	16	27	13	15	149801.6220	0.0025	0.030	0.0026	0.50
282:	28	13	15	27	13	14	149801.6220	0.0025	0.030	0.0026	0.50
283:	28	14	14	27	14	13	149841.8030	-0.0093	0.030	-0.0093	0.50
284:	28	14	15	27	14	14	149841.8030	-0.0093	0.030	-0.0093	0.50
285:	28	15	13	27	15	12	149885.3630	-0.0023	0.030	-0.0024	0.50
286:	28	15	14	27	15	13	149885.3630	-0.0023	0.030	-0.0024	0.50
287:	28	16	12	27	16	11	149932.1510	0.0078	0.030	0.0078	0.50
288:	28	16	13	27	16	12	149932.1510	0.0078	0.030	0.0078	0.50
289:	28	17	11	27	17	10	149982.0360	-0.0007	0.030	-0.0007	0.50
290:	28	17	12	27	17	11	149982.0360	-0.0007	0.030	-0.0007	0.50
291:	28	3	25	27	3	24	149984.7290	0.0211	0.030		
292:	28	20	9	27	20	8	150149.5570	0.0137	0.050	0.0138	0.50
293:	28	20	8	27	20	7	150149.5570	0.0137	0.050	0.0138	0.50
294:	28	21	8	27	21	7	150211.0970	0.0232	0.050	0.0232	0.50
295:	28	21	7	27	21	6	150211.0970	0.0232	0.050	0.0232	0.50
296:	27	1	27	26	0	26	150472.0520	-0.0291	0.030		
297:	40	3	38	40	2	39	150607.5930	-0.0497	0.050		
298:	28	1	27	27	1	26	150942.4230	-0.0158	0.030		
299:	30	0	30	29	1	29	151011.6240	-0.0029	0.030		
300:	28	2	26	27	2	25	151111.8020	-0.0231	0.030		
301:	29	1	29	28	1	28	152027.0380	-0.0067	0.030		
302:	29	0	29	28	0	28	152667.7030	-0.0068	0.030		
303:	42	3	40	42	2	41	153739.7260	-0.0091	0.030		
304:	29	2	28	28	2	27	154396.3720	-0.0022	0.030		
305:	28	1	28	27	0	27	154961.3240	-0.0045	0.030		
306:	29	7	23	28	7	22	154989.0610	-0.0309	0.050	-0.0310	0.50
307:	29	7	22	28	7	21	154989.0610	-0.0310	0.050	-0.0310	0.50
308:	29	6	24	28	6	23	154989.3320	-0.0161	0.050	-0.0186	0.50
309:	29	6	23	28	6	22	154989.3320	-0.0210	0.050	-0.0186	0.50
310:	29	8	22	28	8	21	154999.9080	-0.0081	0.030	-0.0081	0.50
311:	29	8	21	28	8	20	154999.9080	-0.0081	0.030	-0.0081	0.50
312:	29	9	21	28	9	20	155018.4350	-0.0063	0.030	-0.0064	0.50
313:	29	9	20	28	9	19	155018.4350	-0.0063	0.030	-0.0064	0.50
314:	29	10	19	28	10	18	155042.9130	-0.0047	0.030	-0.0047	0.50
315:	29	10	20	28	10	19	155042.9130	-0.0047	0.030	-0.0047	0.50
316:	29	4	26	28	4	25	155056.9570	-0.0091	0.030		
317:	29	3	27	28	3	26	155069.4220	-0.0194	0.030		
318:	29	4	25	28	4	24	155071.3640	-0.0225	0.030		
319:	29	11	19	28	11	18	155072.3310	-0.0248	0.030	-0.0248	0.50
320:	29	11	18	28	11	17	155072.3310	-0.0248	0.030	-0.0248	0.50
321:	29	12	17	28	12	16	155106.1470	-0.0071	0.030	-0.0072	0.50
322:	29	12	18	28	12	17	155106.1470	-0.0071	0.030	-0.0072	0.50
323:	29	13	16	28	13	15	155143.9170	-0.0063	0.030	-0.0064	0.50
324:	29	13	17	28	13	16	155143.9170	-0.0063	0.030	-0.0064	0.50
325:	29	14	15	28	14	14	155185.3840	-0.0123	0.030	-0.0123	0.50

326:	29	14	16	28	14	15	155185.3840	-0.0123	0.030	-0.0123	0.50
327:	29	15	14	28	15	13	155230.3650	-0.0146	0.030	-0.0146	0.50
328:	29	15	15	28	15	14	155230.3650	-0.0146	0.030	-0.0146	0.50
329:	29	16	13	28	16	12	155278.7250	-0.0007	0.050	-0.0007	0.50
330:	29	16	14	28	16	13	155278.7250	-0.0007	0.050	-0.0007	0.50
331:	29	17	13	28	17	12	155330.3400	0.0236	0.030	0.0237	0.50
332:	29	17	12	28	17	11	155330.3400	0.0236	0.030	0.0237	0.50
333:	29	3	26	28	3	25	155376.1510	-0.0125	0.030		
334:	29	18	12	28	18	11	155385.0510	-0.0013	0.030	-0.0013	0.50
335:	29	18	11	28	18	10	155385.0510	-0.0013	0.030	-0.0013	0.50
336:	43	3	41	43	2	42	155426.3600	0.0660	0.050		
337:	29	19	10	28	19	9	155442.8270	-0.0201	0.050	-0.0201	0.50
338:	29	19	11	28	19	10	155442.8270	-0.0201	0.050	-0.0201	0.50
339:	29	20	9	28	20	8	155503.6040	-0.0186	0.030	-0.0186	0.50
340:	29	20	10	28	20	9	155503.6040	-0.0186	0.030	-0.0186	0.50
341:	29	21	8	28	21	7	155567.3130	0.0066	0.030	0.0066	0.50
342:	29	21	9	28	21	8	155567.3130	0.0066	0.030	0.0066	0.50
343:	29	22	7	28	22	6	155633.8340	0.0043	0.050	0.0044	0.50
344:	29	22	8	28	22	7	155633.8340	0.0043	0.050	0.0044	0.50
345:	29	23	7	28	23	6	155703.1240	-0.0019	0.050	-0.0020	0.50
346:	29	23	6	28	23	5	155703.1240	-0.0019	0.050	-0.0020	0.50
347:	29	24	5	28	24	4	155775.0240	-0.1067	0.050	-0.1067	0.50
348:	29	24	6	28	24	5	155775.0240	-0.1067	0.050	-0.1067	0.50
349:	29	25	5	28	25	4	155849.8270	0.0469	0.050	0.0469	0.50
350:	29	25	4	28	25	3	155849.8270	0.0469	0.050	0.0469	0.50
351:	16	2	15	15	1	14	156041.5660	0.0593	0.050		
352:	29	1	28	28	1	27	156256.0120	-0.0149	0.030		
353:	29	2	27	28	2	26	156559.4860	-0.0216	0.030		
354:	31	0	31	30	1	30	156772.4170	-0.0013	0.030		
355:	44	3	42	44	2	43	157193.8970	0.0920	0.050		
356:	30	1	30	29	1	29	157230.7760	0.0012	0.030		
357:	30	0	30	29	0	29	157830.9100	-0.0059	0.030		
358:	29	1	29	28	0	28	159486.9870	-0.0119	0.030		
359:	30	2	29	29	2	28	159678.7350	-0.0019	0.030		
360:	30	7	23	29	7	22	160328.2320	-0.0084	0.030	-0.0084	0.50
361:	30	7	24	29	7	23	160328.2320	-0.0084	0.030	-0.0084	0.50
362:	30	6	25	29	6	24	160330.0650	-0.0071	0.030	-0.0107	0.50
363:	30	6	24	29	6	23	160330.0650	-0.0143	0.030	-0.0107	0.50
364:	30	8	22	29	8	21	160338.4270	-0.0090	0.030	-0.0090	0.50
365:	30	8	23	29	8	22	160338.4270	-0.0090	0.030	-0.0090	0.50
366:	30	5	26	29	5	25	160351.8980	0.0463	0.030		
367:	30	5	25	29	5	24	160352.2540	-0.0648	0.030		
368:	30	9	21	29	9	20	160356.9140	-0.0057	0.030	-0.0057	0.50
369:	30	9	22	29	9	21	160356.9140	-0.0057	0.030	-0.0057	0.50
370:	30	10	20	29	10	19	160381.7520	-0.0045	0.030	-0.0046	0.50
371:	30	10	21	29	10	20	160381.7520	-0.0045	0.030	-0.0046	0.50
372:	30	4	27	29	4	26	160406.2790	-0.0077	0.030		
373:	30	11	19	29	11	18	160411.8120	-0.0416	0.030	-0.0416	0.50
374:	30	11	20	29	11	19	160411.8120	-0.0416	0.030	-0.0416	0.50
375:	30	3	28	29	3	27	160412.1240	-0.0066	0.030		
376:	30	4	26	29	4	25	160424.5050	-0.0182	0.030		
377:	30	12	19	29	12	18	160446.5400	-0.0073	0.030	-0.0073	0.50
378:	30	12	18	29	12	17	160446.5400	-0.0073	0.030	-0.0073	0.50
379:	30	13	17	29	13	16	160485.3980	-0.0112	0.030	-0.0112	0.50
380:	30	13	18	29	13	17	160485.3980	-0.0112	0.030	-0.0112	0.50
381:	30	14	16	29	14	15	160528.1280	-0.0181	0.030	-0.0182	0.50
382:	30	14	17	29	14	16	160528.1280	-0.0181	0.030	-0.0182	0.50
383:	30	15	16	29	15	15	160574.5340	-0.0127	0.030	-0.0128	0.50
384:	30	15	15	29	15	14	160574.5340	-0.0127	0.030	-0.0128	0.50
385:	30	16	15	29	16	14	160624.4350	-0.0155	0.030	-0.0155	0.50
386:	30	16	14	29	16	13	160624.4350	-0.0155	0.030	-0.0155	0.50
387:	30	17	13	29	17	12	160677.7220	-0.0074	0.030	-0.0074	0.50
388:	30	17	14	29	17	13	160677.7220	-0.0074	0.030	-0.0074	0.50
389:	30	18	12	29	18	11	160734.2610	-0.0158	0.030	-0.0158	0.50
390:	30	18	13	29	18	12	160734.2610	-0.0158	0.030	-0.0158	0.50
391:	30	3	27	29	3	26	160772.3410	-0.0206	0.030		
392:	30	19	12	29	19	11	160793.9870	-0.0132	0.030	-0.0133	0.50

393:	30	19	11	29	19	10	160793.9870	-0.0132	0.030	-0.0133	0.50
394:	30	20	10	29	20	9	160856.8000	-0.0165	0.030	-0.0165	0.50
395:	30	20	11	29	20	10	160856.8000	-0.0165	0.030	-0.0165	0.50
396:	30	21	10	29	21	9	160922.6300	-0.0189	0.030	-0.0190	0.50
397:	30	21	9	29	21	8	160922.6300	-0.0189	0.030	-0.0190	0.50
398:	30	22	9	29	22	8	160991.4380	0.0129	0.030	0.0129	0.50
399:	30	22	8	29	22	7	160991.4380	0.0129	0.030	0.0129	0.50
400:	30	26	5	29	26	4	161294.5920	-0.0038	0.050	-0.0039	0.50
401:	30	26	4	29	26	3	161294.5920	-0.0038	0.050	-0.0039	0.50
402:	30	1	29	29	1	28	161560.4260	-0.0079	0.030		
403:	30	2	28	29	2	27	162004.7630	-0.0209	0.030		
404:	31	1	31	30	1	30	162431.7680	0.0040	0.030		
405:	32	0	32	31	1	31	162490.8250	0.0018	0.030		
406:	31	0	31	30	0	30	162991.5650	-0.0012	0.030		
407:	37	1	36	36	2	35	163134.6320	-0.0039	0.050		
408:	30	1	30	29	0	29	164050.0610	-0.0028	0.030		
409:	31	2	30	30	2	29	164957.1260	0.0085	0.030		
410:	31	7	24	30	7	23	165666.8400	-0.0034	0.030	-0.0034	0.50
411:	31	7	25	30	7	24	165666.8400	-0.0033	0.030	-0.0034	0.50
412:	31	6	25	30	6	24	165670.4110	-0.0079	0.030	-0.0028	0.50
413:	31	6	26	30	6	25	165670.4110	0.0024	0.030	-0.0028	0.50
414:	31	8	23	30	8	22	165676.3040	-0.0056	0.030	-0.0056	0.50
415:	31	8	24	30	8	23	165676.3040	-0.0056	0.030	-0.0056	0.50
416:	31	9	22	30	9	21	165694.6820	-0.0016	0.030	-0.0016	0.50
417:	31	9	23	30	9	22	165694.6820	-0.0016	0.030	-0.0016	0.50
418:	31	5	27	30	5	26	165695.7520	0.0493	0.030		
419:	31	5	26	30	5	25	165696.2780	-0.0517	0.030		
420:	31	10	21	30	10	20	165719.8310	-0.0015	0.030	-0.0015	0.50
421:	31	10	22	30	10	21	165719.8310	-0.0015	0.030	-0.0015	0.50
422:	31	11	20	30	11	19	165750.5460	-0.0068	0.030	-0.0068	0.50
423:	31	11	21	30	11	20	165750.5460	-0.0068	0.030	-0.0068	0.50
424:	31	3	29	30	3	28	165753.2240	0.0023	0.030		
425:	31	4	28	30	4	27	165755.6240	-0.0182	0.030		
426:	31	4	27	30	4	26	165778.5100	-0.0068	0.030		
427:	31	12	19	30	12	18	165786.1080	-0.0069	0.030	-0.0069	0.50
428:	31	12	20	30	12	19	165786.1080	-0.0069	0.030	-0.0069	0.50
429:	31	13	19	30	13	18	165826.0380	-0.0105	0.030	-0.0105	0.50
430:	31	13	18	30	13	17	165826.0380	-0.0105	0.030	-0.0105	0.50
431:	31	14	17	30	14	16	165870.0060	-0.0268	0.050	-0.0268	0.50
432:	31	14	18	30	14	17	165870.0060	-0.0268	0.050	-0.0268	0.50
433:	31	15	16	30	15	15	165917.8260	-0.0113	0.030	-0.0113	0.50
434:	31	15	17	30	15	16	165917.8260	-0.0113	0.030	-0.0113	0.50
435:	31	16	16	30	16	15	165969.2720	-0.0157	0.030	-0.0158	0.50
436:	31	16	15	30	16	14	165969.2720	-0.0157	0.030	-0.0158	0.50
437:	31	17	15	30	17	14	166024.2300	-0.0158	0.030	-0.0159	0.50
438:	31	17	14	30	17	13	166024.2300	-0.0158	0.030	-0.0159	0.50
439:	31	18	13	30	18	12	166082.5910	-0.0061	0.030	-0.0062	0.50
440:	31	18	14	30	18	13	166082.5910	-0.0061	0.030	-0.0062	0.50
441:	31	19	12	30	19	11	166144.2430	0.0002	0.030	0.0003	0.50
442:	31	19	13	30	19	12	166144.2430	0.0002	0.030	0.0003	0.50
443:	31	3	28	30	3	27	166173.5240	-0.0042	0.030		
444:	31	20	11	30	20	10	166209.0930	-0.0013	0.030	-0.0013	0.50
445:	31	20	12	30	20	11	166209.0930	-0.0013	0.030	-0.0013	0.50
446:	31	21	10	30	21	9	166277.0440	-0.0267	0.030	-0.0267	0.50
447:	31	21	11	30	21	10	166277.0440	-0.0267	0.030	-0.0267	0.50
448:	31	23	9	30	23	8	166422.0970	0.0013	0.030	0.0014	0.50
449:	31	23	8	30	23	7	166422.0970	0.0013	0.030	0.0014	0.50
450:	31	25	7	30	25	6	166578.7450	0.0059	0.050	0.0059	0.50
451:	31	25	6	30	25	5	166578.7450	0.0059	0.050	0.0059	0.50
452:	31	1	30	30	1	29	166855.2750	-0.0070	0.030		
453:	31	2	29	30	2	28	167446.8280	-0.0114	0.030		
454:	32	1	32	31	1	31	167630.0780	0.0134	0.030		
455:	32	0	32	31	0	31	168150.1750	0.0061	0.030		
456:	33	0	33	32	1	32	168167.9340	0.0120	0.030		
457:	31	1	31	30	0	30	168650.9200	0.0081	0.030		
458:	32	2	31	31	2	30	170231.4540	0.0174	0.030		
459:	32	7	26	31	7	25	171004.8850	0.0033	0.030	0.0032	0.50

460:	32	7	25	31	7	24	171004.8850	0.0031	0.030	0.0032	0.50
461:	32	6	27	31	6	26	171010.3540	0.0105	0.030	0.0032	0.50
462:	32	6	26	31	6	25	171010.3540	-0.0042	0.030	0.0032	0.50
463:	32	8	24	31	8	23	171013.5210	0.0062	0.030	0.0063	0.50
464:	32	8	25	31	8	24	171013.5210	0.0062	0.030	0.0063	0.50
465:	32	9	23	31	9	22	171031.7170	0.0083	0.030	0.0084	0.50
466:	32	9	24	31	9	23	171031.7170	0.0083	0.030	0.0084	0.50
467:	32	5	28	31	5	27	171039.4510	0.0381	0.030		
468:	32	5	27	31	5	26	171040.2140	-0.0325	0.030		
469:	32	10	22	31	10	21	171057.1230	0.0034	0.030	0.0034	0.50
470:	32	10	23	31	10	22	171057.1230	0.0034	0.030	0.0034	0.50
471:	45	4	41	45	3	42	171061.4000	-0.0375	0.050		
472:	32	11	22	31	11	21	171088.4250	-0.0013	0.030	-0.0014	0.50
473:	32	11	21	31	11	20	171088.4250	-0.0013	0.030	-0.0014	0.50
474:	32	3	30	31	3	29	171092.5320	0.0057	0.030		
475:	32	4	29	31	4	28	171104.9920	0.0069	0.030		
476:	32	12	20	31	12	19	171124.8370	0.0080	0.030	0.0080	0.50
477:	32	12	21	31	12	20	171124.8370	0.0080	0.030	0.0080	0.50
478:	32	4	28	31	4	27	171133.4650	0.0074	0.030		
479:	32	13	20	31	13	19	171165.8040	-0.0086	0.030	-0.0086	0.50
480:	32	13	19	31	13	18	171165.8040	-0.0086	0.030	-0.0086	0.50
481:	32	14	18	31	14	17	171211.0470	0.0197	0.030	0.0198	0.50
482:	32	14	19	31	14	18	171211.0470	0.0197	0.030	0.0198	0.50
483:	32	15	17	31	15	16	171260.2180	-0.0038	0.030	-0.0038	0.50
484:	32	15	18	31	15	17	171260.2180	-0.0038	0.030	-0.0038	0.50
485:	32	16	16	31	16	15	171313.2560	0.0483	0.030	0.0484	0.50
486:	32	16	17	31	16	16	171313.2560	0.0483	0.030	0.0484	0.50
487:	32	17	16	31	17	15	171369.8270	-0.0086	0.030	-0.0086	0.50
488:	32	17	15	31	17	14	171369.8270	-0.0086	0.030	-0.0086	0.50
489:	32	18	15	31	18	14	171429.9660	-0.0169	0.030	-0.0169	0.50
490:	32	18	14	31	18	13	171429.9660	-0.0169	0.030	-0.0169	0.50
491:	32	19	14	31	19	13	171493.5290	-0.0150	0.030	-0.0151	0.50
492:	32	19	13	31	19	12	171493.5290	-0.0150	0.030	-0.0151	0.50
493:	32	20	12	31	20	11	171560.4170	-0.0082	0.030	-0.0082	0.50
494:	32	20	13	31	20	12	171560.4170	-0.0082	0.030	-0.0082	0.50
495:	32	3	29	31	3	28	171579.8590	0.0036	0.030		
496:	32	21	11	31	21	10	171630.5300	-0.0106	0.030	-0.0107	0.50
497:	32	21	12	31	21	11	171630.5300	-0.0106	0.030	-0.0107	0.50
498:	32	23	9	31	23	8	171780.2730	0.1164	0.050	0.1165	0.50
499:	32	23	10	31	23	9	171780.2730	0.1164	0.050	0.1165	0.50
500:	32	24	9	31	24	8	171859.5180	0.0120	0.050	0.0121	0.50
501:	32	24	8	31	24	7	171859.5180	0.0120	0.050	0.0121	0.50
502:	32	25	7	31	25	6	171941.7750	-0.0105	0.050	-0.0106	0.50
503:	32	25	8	31	25	7	171941.7750	-0.0105	0.050	-0.0106	0.50
504:	32	1	31	31	1	30	172140.2360	0.0095	0.030		
505:	44	4	40	44	3	41	172467.9610	0.0511	0.050		
506:	33	1	33	32	1	32	172825.7530	0.0200	0.030		
507:	32	2	30	31	2	29	172884.9100	-0.0061	0.030		
508:	32	1	32	31	0	31	173289.4170	0.0067	0.030		
509:	33	0	33	32	0	32	173307.1790	0.0157	0.030		
510:	34	0	34	33	1	33	173805.1280	0.0190	0.030		
511:	33	2	32	32	2	31	175501.6500	0.0276	0.030		
512:	41	4	37	41	3	38	176204.4940	-0.0065	0.050		
513:	33	7	27	32	7	26	176342.3520	0.0158	0.030	0.0158	0.50
514:	33	7	26	32	7	25	176342.3520	0.0156	0.030	0.0158	0.50
515:	33	6	27	32	6	26	176349.9550	0.0717	0.030	0.0103	0.27
516:	33	6	28	32	6	27	176349.9550	0.0924	0.030	0.0103	0.27
517:	33	8	25	32	8	24	176349.9550	-0.0738	0.030	0.0103	0.23
518:	33	8	26	32	8	25	176349.9550	-0.0738	0.030	0.0103	0.23
519:	33	9	24	32	9	23	176367.9860	0.0159	0.030	0.0159	0.50
520:	33	9	25	32	9	24	176367.9860	0.0159	0.030	0.0159	0.50
521:	33	5	29	32	5	28	176383.0330	0.0604	0.030		
522:	33	5	28	32	5	27	176384.0530	-0.0178	0.030		
523:	33	10	23	32	10	22	176393.6120	0.0202	0.030	0.0203	0.50
524:	33	10	24	32	10	23	176393.6120	0.0202	0.030	0.0203	0.50
525:	33	11	22	32	11	21	176425.4570	0.0098	0.030	0.0099	0.50
526:	33	11	23	32	11	22	176425.4570	0.0098	0.030	0.0099	0.50

527:	33	3	31	32	3	30	176429.8750	0.0215	0.030	
528:	33	4	30	32	4	29	176454.2720	0.0108	0.030	
529:	33	12	22	32	12	21	176462.6820	0.0204	0.030	0.0204 0.50
530:	33	12	21	32	12	20	176462.6820	0.0204	0.030	0.0204 0.50
531:	33	4	29	32	4	28	176489.4690	0.0235	0.030	
532:	33	13	20	32	13	19	176504.6770	0.0039	0.030	0.0039 0.50
533:	33	13	21	32	13	20	176504.6770	0.0039	0.030	0.0039 0.50
534:	33	14	19	32	14	18	176551.1110	0.0107	0.030	0.0108 0.50
535:	33	14	20	32	14	19	176551.1110	0.0107	0.030	0.0108 0.50
536:	33	15	19	32	15	18	176601.6870	0.0162	0.030	0.0163 0.50
537:	33	15	18	32	15	17	176601.6870	0.0162	0.030	0.0163 0.50
538:	33	16	17	32	16	16	176656.1840	0.0036	0.030	0.0037 0.50
539:	33	16	18	32	16	17	176656.1840	0.0036	0.030	0.0037 0.50
540:	33	17	16	32	17	15	176714.4650	-0.0035	0.030	-0.0036 0.50
541:	33	17	17	32	17	16	176714.4650	-0.0035	0.030	-0.0036 0.50
542:	33	18	15	32	18	14	176776.3860	-0.0178	0.030	-0.0179 0.50
543:	33	18	16	32	18	15	176776.3860	-0.0178	0.030	-0.0179 0.50
544:	33	20	14	32	20	13	176910.8220	0.0433	0.030	0.0434 0.50
545:	33	20	13	32	20	12	176910.8220	0.0433	0.030	0.0434 0.50
546:	33	21	12	32	21	11	176983.0250	-0.0031	0.030	-0.0031 0.50
547:	33	21	13	32	21	12	176983.0250	-0.0031	0.030	-0.0031 0.50
548:	33	3	30	32	3	29	176991.5020	0.0101	0.030	
549:	33	23	11	32	23	10	177137.2400	0.0132	0.050	0.0133 0.50
550:	33	23	10	32	23	9	177137.2400	0.0132	0.050	0.0133 0.50
551:	40	4	36	40	3	37	177285.3130	-0.0424	0.050	
552:	33	25	9	32	25	8	177303.8330	-0.0020	0.050	-0.0020 0.50
553:	33	25	8	32	25	7	177303.8330	-0.0020	0.050	-0.0020 0.50
554:	33	26	7	32	26	6	177391.5730	-0.0309	0.050	-0.0309 0.50
555:	33	26	8	32	26	7	177391.5730	-0.0309	0.050	-0.0309 0.50
556:	33	1	32	32	1	31	177414.9870	0.0216	0.030	
557:	33	1	33	32	0	32	177964.9560	-0.0183	0.050	
558:	34	1	34	33	1	33	178018.8610	0.0330	0.030	
559:	39	4	35	39	3	36	178284.3950	-0.0101	0.050	
560:	33	2	31	32	2	30	178318.3250	0.0090	0.030	
561:	34	0	34	33	0	33	178462.9480	0.0280	0.030	

Table S4. Line assignments and observed frequencies of the ^{200}Hg isotope of ethylmercury hidride. The order of the quantum numbers for a level is $J',K_a',K_c'\ J'',K_a'',K_c''$.

						obs	o-c	error	blends o-c	wt
1:	22	6	16	21	6	15	117719.3570	-0.0014	0.030	
2:	22	5	18	21	5	17	117721.7330	0.0166	0.030	0.0023 0.50
3:	22	5	17	21	5	16	117721.7330	-0.0120	0.030	0.0023 0.50
4:	22	7	15	21	7	14	117726.1120	-0.0014	0.030	-0.0015 0.50
5:	22	7	16	21	7	15	117726.1120	-0.0014	0.030	-0.0015 0.50
6:	22	8	15	21	8	14	117738.7720	-0.0088	0.050	-0.0089 0.50
7:	22	8	14	21	8	13	117738.7720	-0.0088	0.050	-0.0089 0.50
8:	22	4	18	21	4	17	117742.4470	-0.0352	0.030	
9:	22	9	13	21	9	12	117755.8950	0.0245	0.030	0.0246 0.50
10:	22	9	14	21	9	13	117755.8950	0.0245	0.030	0.0246 0.50
11:	22	3	20	21	3	19	117765.7070	0.0318	0.030	
12:	22	10	12	21	10	11	117776.6380	0.0323	0.030	0.0324 0.50
13:	22	10	13	21	10	12	117776.6380	0.0323	0.030	0.0324 0.50
14:	22	11	11	21	11	10	117800.5410	-0.0018	0.030	-0.0019 0.50
15:	22	11	12	21	11	11	117800.5410	-0.0018	0.030	-0.0019 0.50
16:	22	12	11	21	12	10	117827.4180	0.0096	0.030	0.0097 0.50
17:	22	12	10	21	12	9	117827.4180	0.0096	0.030	0.0097 0.50
18:	22	3	19	21	3	18	117846.2430	0.0191	0.030	
19:	22	13	9	21	13	8	117857.0610	0.0402	0.030	0.0402 0.50
20:	22	13	10	21	13	9	117857.0610	0.0402	0.030	0.0402 0.50

21:	22	14	8	21	14	7	117889.3180	0.0661	0.030	0.0661	0.50
22:	22	14	9	21	14	8	117889.3180	0.0661	0.030	0.0661	0.50
23:	22	15	8	21	15	7	117924.0400	0.0348	0.030	0.0348	0.50
24:	22	15	7	21	15	6	117924.0400	0.0348	0.030	0.0348	0.50
25:	22	16	6	21	16	5	117961.2110	0.0074	0.030	0.0075	0.50
26:	22	16	7	21	16	6	117961.2110	0.0074	0.030	0.0075	0.50
27:	22	2	20	21	2	19	118553.3850	0.0053	0.030		
28:	22	1	21	21	1	20	119018.0180	0.0026	0.030		
29:	20	1	20	19	0	19	119935.4970	-0.0383	0.050		
30:	30	3	27	30	2	28	120314.1020	0.0882	0.050		
31:	23	1	23	22	1	22	120870.1650	0.0097	0.030		
32:	25	0	25	24	1	24	121723.4510	0.0501	0.030		
33:	23	0	23	22	0	22	121724.8840	0.0060	0.030		
34:	28	3	25	28	2	26	122735.4820	0.1187	0.050		
35:	23	2	22	22	2	21	122753.0800	0.0107	0.030		
36:	23	6	17	22	6	16	123068.0910	0.0074	0.030	0.0077	0.50
37:	23	6	18	22	6	17	123068.0910	0.0078	0.030	0.0077	0.50
38:	23	5	19	22	5	18	123072.1380	0.0256	0.030	0.0042	0.50
39:	23	5	18	22	5	17	123072.1380	-0.0172	0.030	0.0042	0.50
40:	23	7	16	22	7	15	123074.2420	0.0218	0.030	0.0219	0.50
41:	23	7	17	22	7	16	123074.2420	0.0218	0.030	0.0219	0.50
42:	23	8	16	22	8	15	123086.8840	0.0132	0.030	0.0132	0.50
43:	23	8	15	22	8	14	123086.8840	0.0132	0.030	0.0132	0.50
44:	23	4	20	22	4	19	123094.3460	0.0432	0.030		
45:	23	4	19	22	4	18	123097.1710	-0.0215	0.030		
46:	23	9	14	22	9	13	123104.3470	0.0126	0.030	0.0127	0.50
47:	23	9	15	22	9	14	123104.3470	0.0126	0.030	0.0127	0.50
48:	23	3	21	22	3	20	123120.3990	0.0052	0.030		
49:	23	10	14	22	10	13	123125.7410	0.0154	0.030	0.0154	0.50
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264:	28	18	11	27	18	10	150193.9350	-0.0023	0.030	-0.0024	0.50
265:	28	19	10	27	19	9	150249.8970	0.0485	0.030	0.0486	0.50
266:	28	19	9	27	19	8	150249.8970	0.0485	0.030	0.0486	0.50
267:	28	20	9	27	20	8	150308.6480	0.0157	0.030	0.0158	0.50
268:	28	20	8	27	20	7	150308.6480	0.0157	0.030	0.0158	0.50
269:	28	21	7	27	21	6	150370.2510	0.0306	0.050	0.0307	0.50
270:	28	21	8	27	21	7	150370.2510	0.0306	0.050	0.0307	0.50
271:	28	22	7	27	22	6	150434.5430	-0.0045	0.050	-0.0045	0.50
272:	28	22	6	27	22	5	150434.5430	-0.0045	0.050	-0.0045	0.50
273:	27	1	27	26	0	26	150596.7070	-0.0319	0.030		
274:	28	1	27	27	1	26	151101.8980	-0.0167	0.030		
275:	30	0	30	29	1	29	151193.9700	0.0224	0.050		
276:	28	2	26	27	2	25	151275.4200	-0.0159	0.030		
277:	29	1	29	28	1	28	152184.3330	-0.0037	0.030		
278:	41	3	39	41	2	40	152191.5740	-0.0231	0.050		
279:	29	0	29	28	0	28	152824.3720	-0.0015	0.030		
280:	29	2	28	28	2	27	154558.5500	-0.0033	0.030		
281:	28	1	28	27	0	27	155091.7190	0.0011	0.050		
282:	29	7	23	28	7	22	155153.4550	-0.0623	0.030	-0.0623	0.50
283:	29	7	22	28	7	21	155153.4550	-0.0623	0.030	-0.0623	0.50
284:	29	6	23	28	6	22	155153.8450	-0.0047	0.030	-0.0023	0.50
285:	29	6	24	28	6	23	155153.8450	0.0002	0.030	-0.0023	0.50
286:	29	8	21	28	8	20	155164.2850	-0.0216	0.030	-0.0216	0.50
287:	29	8	22	28	8	21	155164.2850	-0.0216	0.030	-0.0216	0.50
288:	29	9	20	28	9	19	155182.8090	-0.0100	0.030	-0.0101	0.50

289:	29	9	21	28	9	20	155182.8090	-0.0100	0.030	-0.0101	0.50
290:	29	10	19	28	10	18	155207.2920	-0.0054	0.030	-0.0054	0.50
291:	29	10	20	28	10	19	155207.2920	-0.0054	0.030	-0.0054	0.50
292:	29	4	26	28	4	25	155221.8300	-0.0021	0.030		
293:	29	3	27	28	3	26	155234.1390	-0.0110	0.030		
294:	29	4	25	28	4	24	155236.3410	-0.0341	0.030		
295:	29	11	18	28	11	17	155236.7980	0.0499	0.030	0.0500	0.50
296:	29	11	19	28	11	18	155236.7980	0.0499	0.030	0.0500	0.50
297:	29	12	18	28	12	17	155270.5520	-0.0149	0.030	-0.0150	0.50
298:	29	12	17	28	12	16	155270.5520	-0.0149	0.030	-0.0150	0.50
299:	29	13	17	28	13	16	155308.3580	-0.0052	0.030	-0.0052	0.50
300:	29	13	16	28	13	15	155308.3580	-0.0052	0.030	-0.0052	0.50
301:	29	14	15	28	14	14	155349.8440	-0.0247	0.030	-0.0247	0.50
302:	29	14	16	28	14	15	155349.8440	-0.0247	0.030	-0.0247	0.50
303:	29	15	15	28	15	14	155394.8840	-0.0053	0.030	-0.0053	0.50
304:	29	15	14	28	15	13	155394.8840	-0.0053	0.030	-0.0053	0.50
305:	29	16	14	28	16	13	155443.2680	-0.0090	0.030	-0.0090	0.50
306:	29	16	13	28	16	12	155443.2680	-0.0090	0.030	-0.0090	0.50
307:	29	17	13	28	17	12	155494.9360	0.0228	0.050	0.0229	0.50
308:	29	17	12	28	17	11	155494.9360	0.0228	0.050	0.0229	0.50
309:	29	3	26	28	3	25	155542.7500	-0.0146	0.030		
310:	29	18	11	28	18	10	155549.7020	0.0037	0.030	0.0037	0.50
311:	29	18	12	28	18	11	155549.7020	0.0037	0.030	0.0037	0.50
312:	29	19	10	28	19	9	155607.5310	-0.0147	0.030	-0.0147	0.50
313:	29	19	11	28	19	10	155607.5310	-0.0147	0.030	-0.0147	0.50
314:	29	20	10	28	20	9	155668.3730	-0.0043	0.030	-0.0043	0.50
315:	29	20	9	28	20	8	155668.3730	-0.0043	0.030	-0.0043	0.50
316:	29	21	8	28	21	7	155732.1130	-0.0075	0.030	-0.0075	0.50
317:	29	21	9	28	21	8	155732.1130	-0.0075	0.030	-0.0075	0.50
318:	29	22	8	28	22	7	155798.7170	0.0104	0.050	0.0104	0.50
319:	29	22	7	28	22	6	155798.7170	0.0104	0.050	0.0104	0.50
320:	29	23	6	28	23	5	155868.0460	-0.0231	0.050	-0.0231	0.50
321:	29	23	7	28	23	6	155868.0460	-0.0231	0.050	-0.0231	0.50
322:	29	24	5	28	24	4	155940.1700	0.0264	0.050	0.0265	0.50
323:	29	24	6	28	24	5	155940.1700	0.0264	0.050	0.0265	0.50
324:	36	1	35	35	2	34	156291.0110	-0.0013	0.050		
325:	29	1	28	28	1	27	156420.8440	-0.0140	0.030		
326:	29	2	27	28	2	26	156728.9490	-0.0226	0.030		
327:	31	0	31	30	1	30	156959.2650	0.0027	0.050		
328:	30	1	30	29	1	29	157393.3780	-0.0024	0.030		
329:	30	0	30	29	0	29	157992.8030	-0.0036	0.030		
330:	29	1	29	28	0	28	159623.2240	-0.0085	0.030		
331:	30	2	29	29	2	28	159846.3510	-0.0077	0.030		
332:	30	7	24	29	7	23	160498.3180	-0.0161	0.030	-0.0162	0.50
333:	30	7	23	29	7	22	160498.3180	-0.0162	0.030	-0.0162	0.50
334:	30	6	25	29	6	24	160500.2430	-0.0033	0.030	-0.0070	0.50
335:	30	6	24	29	6	23	160500.2430	-0.0106	0.030	-0.0070	0.50
336:	30	8	23	29	8	22	160508.4810	-0.0084	0.030	-0.0084	0.50
337:	30	8	22	29	8	21	160508.4810	-0.0084	0.030	-0.0084	0.50
338:	30	5	26	29	5	25	160522.2360	0.0567	0.030		
339:	30	5	25	29	5	24	160522.5870	-0.0643	0.050		
340:	30	9	21	29	9	20	160526.9460	-0.0110	0.030	-0.0111	0.50
341:	30	9	22	29	9	21	160526.9460	-0.0110	0.030	-0.0111	0.50
342:	30	10	20	29	10	19	160551.7900	-0.0039	0.030	-0.0039	0.50
343:	30	10	21	29	10	20	160551.7900	-0.0039	0.030	-0.0039	0.50
344:	30	4	27	29	4	26	160576.8560	-0.0077	0.030		
345:	30	11	20	29	11	19	160581.8840	-0.0183	0.030	-0.0184	0.50
346:	30	11	19	29	11	18	160581.8840	-0.0183	0.030	-0.0184	0.50
347:	30	3	28	29	3	27	160582.4770	-0.0099	0.030		
348:	30	4	26	29	4	25	160595.2390	-0.0161	0.030		
349:	30	12	19	29	12	18	160616.6030	-0.0132	0.030	-0.0132	0.50
350:	30	12	18	29	12	17	160616.6030	-0.0132	0.030	-0.0132	0.50
351:	30	13	17	29	13	16	160655.4960	-0.0092	0.030	-0.0092	0.50
352:	30	13	18	29	13	17	160655.4960	-0.0092	0.030	-0.0092	0.50
353:	30	14	17	29	14	16	160698.2610	-0.0141	0.030	-0.0141	0.50
354:	30	14	16	29	14	15	160698.2610	-0.0141	0.030	-0.0141	0.50
355:	30	15	15	29	15	14	160744.7000	-0.0137	0.030	-0.0138	0.50

356:	30	15	16	29	15	15	160744.7000	-0.0137	0.030	-0.0138	0.50
357:	30	16	15	29	16	14	160794.6500	-0.0100	0.030	-0.0100	0.50
358:	30	16	14	29	16	13	160794.6500	-0.0100	0.030	-0.0100	0.50
359:	30	17	14	29	17	13	160847.9680	-0.0176	0.030	-0.0176	0.50
360:	30	17	13	29	17	12	160847.9680	-0.0176	0.030	-0.0176	0.50
361:	30	18	13	29	18	12	160904.5810	-0.0025	0.030	-0.0026	0.50
362:	30	18	12	29	18	11	160904.5810	-0.0025	0.030	-0.0026	0.50
363:	30	3	27	29	3	26	160944.9100	-0.0166	0.030		
364:	30	19	12	29	19	11	160964.3560	-0.0051	0.030	-0.0052	0.50
365:	30	19	11	29	19	10	160964.3560	-0.0051	0.030	-0.0052	0.50
366:	30	20	11	29	20	10	161027.2320	-0.0032	0.030	-0.0033	0.50
367:	30	20	10	29	20	9	161027.2320	-0.0032	0.030	-0.0033	0.50
368:	30	21	10	29	21	9	161093.1330	0.0040	0.030	0.0040	0.50
369:	30	21	9	29	21	8	161093.1330	0.0040	0.030	0.0040	0.50
370:	51	4	47	51	3	48	161104.5760	-0.0444	0.050		
371:	30	22	8	29	22	7	161161.9750	0.0051	0.030	0.0052	0.50
372:	30	22	9	29	22	8	161161.9750	0.0051	0.030	0.0052	0.50
373:	30	23	8	29	23	7	161233.6870	-0.0011	0.050	-0.0012	0.50
374:	30	23	7	29	23	6	161233.6870	-0.0011	0.050	-0.0012	0.50
375:	30	24	7	29	24	6	161308.1890	-0.0272	0.050	-0.0273	0.50
376:	30	24	6	29	24	5	161308.1890	-0.0272	0.050	-0.0273	0.50
377:	30	25	6	29	25	5	161385.5430	0.0554	0.050	0.0555	0.50
378:	30	25	5	29	25	4	161385.5430	0.0554	0.050	0.0555	0.50
379:	30	1	29	29	1	28	161730.5660	-0.0146	0.030		
380:	30	2	28	29	2	27	162180.0560	-0.0131	0.030		
381:	31	1	31	30	1	30	162599.6840	0.0060	0.030		
382:	32	0	32	31	1	31	162682.1530	0.0214	0.050		
383:	31	0	31	30	0	30	163158.6950	0.0000	0.030		
384:	37	1	36	36	2	35	163418.4170	0.0254	0.050		
385:	30	1	30	29	0	29	164192.2310	-0.0084	0.050		
386:	31	2	30	30	2	29	165130.1690	0.0002	0.030		
387:	31	7	24	30	7	23	165842.6070	0.0015	0.030	0.0016	0.50
388:	31	7	25	30	7	24	165842.6070	0.0016	0.030	0.0016	0.50
389:	31	6	25	30	6	24	165846.2590	-0.0123	0.030	-0.0071	0.50
390:	31	6	26	30	6	25	165846.2590	-0.0018	0.030	-0.0071	0.50
391:	31	8	24	30	8	23	165852.0350	0.0095	0.030	0.0096	0.50
392:	31	8	23	30	8	22	165852.0350	0.0095	0.030	0.0096	0.50
393:	31	9	23	30	9	22	165870.3690	-0.0107	0.030	-0.0107	0.50
394:	31	9	22	30	9	21	165870.3690	-0.0107	0.030	-0.0107	0.50
395:	31	5	27	30	5	26	165871.7610	0.0360	0.030		
396:	31	5	26	30	5	25	165872.3060	-0.0527	0.030		
397:	31	10	22	30	10	21	165895.5230	-0.0033	0.030	-0.0034	0.50
398:	31	10	21	30	10	20	165895.5230	-0.0033	0.030	-0.0034	0.50
399:	31	11	21	30	11	20	165926.2390	-0.0178	0.030	-0.0179	0.50
400:	31	11	20	30	11	19	165926.2390	-0.0178	0.030	-0.0179	0.50
401:	31	3	29	30	3	28	165929.2060	-0.0106	0.030		
402:	31	4	27	30	4	26	165954.9990	-0.0007	0.030		
403:	31	12	19	30	12	18	165961.8180	-0.0205	0.030	-0.0205	0.50
404:	31	12	20	30	12	19	165961.8180	-0.0205	0.030	-0.0205	0.50
405:	31	13	18	30	13	17	166001.7910	-0.0082	0.030	-0.0082	0.50
406:	31	13	19	30	13	18	166001.7910	-0.0082	0.030	-0.0082	0.50
407:	31	14	17	30	14	16	166045.7990	-0.0178	0.030	-0.0178	0.50
408:	31	14	18	30	14	17	166045.7990	-0.0178	0.030	-0.0178	0.50
409:	31	15	17	30	15	16	166093.6550	-0.0050	0.030	-0.0050	0.50
410:	31	15	16	30	15	15	166093.6550	-0.0050	0.030	-0.0050	0.50
411:	31	16	15	30	16	14	166145.1450	-0.0088	0.030	-0.0089	0.50
412:	31	16	16	30	16	15	166145.1450	-0.0088	0.030	-0.0089	0.50
413:	31	17	14	30	17	13	166200.1310	-0.0288	0.030	-0.0288	0.50
414:	31	17	15	30	17	14	166200.1310	-0.0288	0.030	-0.0288	0.50
415:	31	18	13	30	18	12	166258.5560	-0.0069	0.030	-0.0070	0.50
416:	31	18	14	30	18	13	166258.5560	-0.0069	0.030	-0.0070	0.50
417:	31	19	12	30	19	11	166320.2890	0.0247	0.050	0.0247	0.50
418:	31	19	13	30	19	12	166320.2890	0.0247	0.050	0.0247	0.50
419:	31	3	28	30	3	27	166352.0760	-0.0061	0.030		
420:	31	20	11	30	20	10	166385.1620	-0.0132	0.030	-0.0133	0.50
421:	31	20	12	30	20	11	166385.1620	-0.0132	0.030	-0.0133	0.50
422:	31	21	10	30	21	9	166453.2170	0.0022	0.030	0.0022	0.50

423:	31	21	11	30	21	10	166453.2170	0.0022	0.030	0.0022	0.50
424:	31	22	9	30	22	8	166524.3080	0.0016	0.030	0.0017	0.50
425:	31	22	10	30	22	9	166524.3080	0.0016	0.030	0.0017	0.50
426:	31	23	8	30	23	7	166598.3960	0.0191	0.050	0.0191	0.50
427:	31	23	9	30	23	8	166598.3960	0.0191	0.050	0.0191	0.50
428:	31	1	30	30	1	29	167030.6930	-0.0111	0.030		
429:	32	1	32	31	1	31	167803.2960	0.0138	0.030		
430:	32	0	32	31	0	31	168322.5520	0.0047	0.030		
431:	33	0	33	32	1	32	168363.6570	0.0055	0.050		
432:	31	1	31	30	0	30	168799.1040	-0.0067	0.050		
433:	32	2	31	31	2	30	170409.9190	0.0150	0.030		
434:	38	1	37	37	2	36	170513.8270	0.0938	0.050		
435:	32	7	26	31	7	25	171186.3230	0.0113	0.030	0.0112	0.50
436:	32	7	25	31	7	24	171186.3230	0.0111	0.030	0.0112	0.50
437:	32	6	26	31	6	25	171191.9040	0.0147	0.030	0.0222	0.50
438:	32	6	27	31	6	26	171191.9040	0.0296	0.030	0.0222	0.50
439:	32	8	24	31	8	23	171194.8970	0.0047	0.030	0.0048	0.50
440:	32	8	25	31	8	24	171194.8970	0.0047	0.030	0.0048	0.50
441:	32	9	23	31	9	22	171213.0720	0.0095	0.030	0.0095	0.50
442:	32	9	24	31	9	23	171213.0720	0.0095	0.030	0.0095	0.50
443:	32	5	28	31	5	27	171221.1880	0.0566	0.030		
444:	32	5	27	31	5	26	171221.9390	-0.0350	0.030		
445:	32	10	23	31	10	22	171238.4690	0.0001	0.030	0.0002	0.50
446:	32	10	22	31	10	21	171238.4690	0.0001	0.030	0.0002	0.50
447:	32	11	22	31	11	21	171269.7760	-0.0084	0.030	-0.0084	0.50
448:	32	11	21	31	11	20	171269.7760	-0.0084	0.030	-0.0084	0.50
449:	32	3	30	31	3	29	171274.1620	0.0118	0.030		
450:	32	4	29	31	4	28	171286.9180	-0.0684	0.030		
451:	32	12	21	31	12	20	171306.2160	0.0100	0.030	0.0101	0.50
452:	32	12	20	31	12	19	171306.2160	0.0100	0.030	0.0101	0.50
453:	32	4	28	31	4	27	171315.7060	0.0059	0.030		
454:	32	13	19	31	13	18	171347.2100	-0.0065	0.030	-0.0065	0.50
455:	32	13	20	31	13	19	171347.2100	-0.0065	0.030	-0.0065	0.50
456:	32	14	18	31	14	17	171392.4670	0.0023	0.030	0.0023	0.50
457:	32	14	19	31	14	18	171392.4670	0.0023	0.030	0.0023	0.50
458:	32	15	18	31	15	17	171441.6930	-0.0055	0.030	-0.0055	0.50
459:	32	15	17	31	15	16	171441.6930	-0.0055	0.030	-0.0055	0.50
460:	32	16	16	31	16	15	171494.7190	-0.0096	0.030	-0.0097	0.50
461:	32	16	17	31	16	16	171494.7190	-0.0096	0.030	-0.0097	0.50
462:	32	17	15	31	17	14	171551.4000	-0.0055	0.030	-0.0056	0.50
463:	32	17	16	31	17	15	171551.4000	-0.0055	0.030	-0.0056	0.50
464:	32	18	15	31	18	14	171611.5940	-0.0120	0.030	-0.0121	0.50
465:	32	18	14	31	18	13	171611.5940	-0.0120	0.030	-0.0121	0.50
466:	32	19	13	31	19	12	171675.2150	-0.0093	0.030	-0.0094	0.50
467:	32	19	14	31	19	13	171675.2150	-0.0093	0.030	-0.0094	0.50
468:	32	20	12	31	20	11	171742.1470	-0.0196	0.030	-0.0197	0.50
469:	32	20	13	31	20	12	171742.1470	-0.0196	0.030	-0.0197	0.50
470:	32	3	29	31	3	28	171764.4260	0.0030	0.030		
471:	32	21	11	31	21	10	171812.3390	-0.0080	0.030	-0.0080	0.50
472:	32	21	12	31	21	11	171812.3390	-0.0080	0.030	-0.0080	0.50
473:	32	22	10	31	22	9	171885.6910	0.0059	0.030	0.0060	0.50
474:	32	22	11	31	22	10	171885.6910	0.0059	0.030	0.0060	0.50
475:	32	23	9	31	23	8	171962.0860	-0.0180	0.050	-0.0181	0.50
476:	32	23	10	31	23	9	171962.0860	-0.0180	0.050	-0.0181	0.50
477:	32	24	8	31	24	7	172041.5410	0.0111	0.050	0.0112	0.50
478:	32	24	9	31	24	8	172041.5410	0.0111	0.050	0.0112	0.50
479:	32	25	8	31	25	7	172123.8770	-0.0129	0.050	-0.0129	0.50
480:	32	25	7	31	25	6	172123.8770	-0.0129	0.050	-0.0129	0.50
481:	32	26	7	31	26	6	172209.0950	-0.0178	0.050	-0.0178	0.50
482:	32	26	6	31	26	5	172209.0950	-0.0178	0.050	-0.0178	0.50
483:	32	1	31	31	1	30	172320.8910	0.0074	0.030		
484:	33	1	33	32	1	32	173004.2720	0.0223	0.030		
485:	32	2	30	31	2	29	173071.7440	0.0020	0.030		
486:	32	1	32	31	0	31	173443.7130	0.0151	0.050		
487:	33	0	33	32	0	32	173484.8220	0.0199	0.030		
488:	34	0	34	33	1	33	174005.2540	0.0229	0.030		
489:	33	2	32	32	2	31	175685.5150	0.0225	0.030		

490:	33	7	27	32	7	26	176529.4430	0.0089	0.030	0.0089	0.50
491:	33	7	26	32	7	25	176529.4430	0.0087	0.030	0.0089	0.50
492:	33	6	28	32	6	27	176537.0910	0.0184	0.030	0.0217	0.37
493:	33	8	26	32	8	25	176537.0910	0.0235	0.030	0.0217	0.32
494:	33	8	25	32	8	24	176537.0910	0.0235	0.030	0.0217	0.32
495:	33	9	25	32	9	24	176554.9980	0.0172	0.030	0.0172	0.50
496:	33	9	24	32	9	23	176554.9980	0.0172	0.030	0.0172	0.50
497:	33	5	29	32	5	28	176570.4320	0.0430	0.030		
498:	33	5	28	32	5	27	176571.4810	-0.0179	0.030		
499:	33	10	23	32	10	22	176580.6080	0.0128	0.030	0.0128	0.50
500:	33	10	24	32	10	23	176580.6080	0.0128	0.030	0.0128	0.50
501:	33	11	22	32	11	21	176612.4570	-0.0008	0.030	-0.0008	0.50
502:	33	11	23	32	11	22	176612.4570	-0.0008	0.030	-0.0008	0.50
503:	33	3	31	32	3	30	176617.1100	0.0143	0.030		
504:	33	4	30	32	4	29	176641.9900	0.0148	0.030		
505:	33	12	22	32	12	21	176649.7580	0.0676	0.030	0.0676	0.50
506:	33	12	21	32	12	20	176649.7580	0.0676	0.030	0.0676	0.50
507:	33	4	29	32	4	28	176677.4700	0.0131	0.030		
508:	33	13	21	32	13	20	176691.7350	0.0064	0.030	0.0064	0.50
509:	33	13	20	32	13	19	176691.7350	0.0064	0.030	0.0064	0.50
510:	33	14	19	32	14	18	176738.2000	0.0105	0.030	0.0105	0.50
511:	33	14	20	32	14	19	176738.2000	0.0105	0.030	0.0105	0.50
512:	33	15	19	32	15	18	176788.8020	0.0022	0.030	0.0022	0.50
513:	33	15	18	32	15	17	176788.8020	0.0022	0.030	0.0022	0.50
514:	33	16	17	32	16	16	176843.3540	-0.0005	0.030	-0.0005	0.50
515:	33	16	18	32	16	17	176843.3540	-0.0005	0.030	-0.0005	0.50
516:	33	17	16	32	17	15	176901.7070	0.0142	0.030	0.0142	0.50
517:	33	17	17	32	17	16	176901.7070	0.0142	0.030	0.0142	0.50
518:	33	18	15	32	18	14	176963.6820	-0.0004	0.030	-0.0005	0.50
519:	33	18	16	32	18	15	176963.6820	-0.0004	0.030	-0.0005	0.50
520:	33	19	14	32	19	13	177029.2030	-0.0079	0.030	-0.0080	0.50
521:	33	19	15	32	19	14	177029.2030	-0.0079	0.030	-0.0080	0.50
522:	33	20	13	32	20	12	177098.1710	-0.0076	0.030	-0.0076	0.50
523:	33	20	14	32	20	13	177098.1710	-0.0076	0.030	-0.0076	0.50
524:	33	21	12	32	21	11	177170.4870	-0.0077	0.030	-0.0078	0.50
525:	33	21	13	32	21	12	177170.4870	-0.0077	0.030	-0.0078	0.50
526:	33	3	30	32	3	29	177182.1090	0.0123	0.030		
527:	33	22	12	32	22	11	177246.0770	0.0020	0.030	0.0021	0.50
528:	33	22	11	32	22	10	177246.0770	0.0020	0.030	0.0021	0.50
529:	33	23	11	32	23	10	177324.8510	0.0124	0.030	0.0124	0.50
530:	33	23	10	32	23	9	177324.8510	0.0124	0.030	0.0124	0.50
531:	33	24	10	32	24	9	177406.6960	-0.0122	0.030	-0.0123	0.50
532:	33	24	9	32	24	8	177406.6960	-0.0122	0.030	-0.0123	0.50
533:	33	1	32	32	1	31	177600.8340	0.0164	0.030		
534:	33	1	33	32	0	32	178125.4180	0.0177	0.030		
535:	34	1	34	33	1	33	178202.6750	0.0351	0.030		
536:	33	2	31	32	2	30	178510.8700	0.0109	0.030		
537:	34	0	34	33	0	33	178645.8600	0.0307	0.030		

Table S5. Line assignments and observed frequencies of the ^{199}Hg isotope of ethylmercury hidride. The order of the quantum numbers for a level is $J',K_a',K_c'\ J'',K_a'',K_c''$.

							obs	o-c	error	blends o-c	wt
1:	22	1	22	21	1	21	115701.7120	0.0078	0.030		
2:	22	0	22	21	0	21	116581.2950	0.0140	0.030		
3:	22	2	21	21	2	20	117502.7730	0.0188	0.030		
4:	22	6	17	21	6	16	117782.6220	0.0160	0.030	0.0160	0.50
5:	22	6	16	21	6	15	117782.6220	0.0158	0.030	0.0160	0.50
6:	22	5	17	21	5	16	117785.0230	0.0022	0.030	0.0166	0.50
7:	22	5	18	21	5	17	117785.0230	0.0309	0.030	0.0166	0.50

8:	22	7	15	21	7	14	117789.3500	0.0013	0.050	0.0013	0.50
9:	22	7	16	21	7	15	117789.3500	0.0013	0.050	0.0013	0.50
10:	22	8	14	21	8	13	117802.0090	-0.0031	0.030	-0.0031	0.50
11:	22	8	15	21	8	14	117802.0090	-0.0031	0.030	-0.0031	0.50
12:	22	4	19	21	4	18	117803.7480	0.0494	0.030		
13:	22	4	18	21	4	17	117805.7970	-0.0269	0.030		
14:	22	9	13	21	9	12	117819.1180	0.0149	0.050	0.0149	0.50
15:	22	9	14	21	9	13	117819.1180	0.0149	0.050	0.0149	0.50
16:	22	3	20	21	3	19	117829.0330	-0.0052	0.050		
17:	22	10	12	21	10	11	117839.8790	0.0356	0.030	0.0357	0.50
18:	22	10	13	21	10	12	117839.8790	0.0356	0.030	0.0357	0.50
19:	22	11	12	21	11	11	117863.8300	0.0416	0.030	0.0416	0.50
20:	22	11	11	21	11	10	117863.8300	0.0416	0.030	0.0416	0.50
21:	22	12	10	21	12	9	117890.6430	-0.0208	0.030	-0.0209	0.50
22:	22	12	11	21	12	10	117890.6430	-0.0208	0.030	-0.0209	0.50
23:	22	3	19	21	3	18	117909.8480	0.0012	0.030		
24:	22	2	20	21	2	19	118618.2670	-0.0004	0.050		
25:	22	1	21	21	1	20	119082.1900	0.0037	0.030		
26:	23	1	23	22	1	22	120933.6570	-0.0003	0.030		
27:	23	0	23	22	0	22	121788.4760	0.0025	0.030		
28:	23	2	22	22	2	21	122818.6020	0.0166	0.030		
29:	23	6	18	22	6	17	123134.2130	0.0055	0.030	0.0053	0.50
30:	23	6	17	22	6	16	123134.2130	0.0051	0.030	0.0053	0.50
31:	23	5	19	22	5	18	123138.2930	0.0237	0.030	0.0022	0.50
32:	23	5	18	22	5	17	123138.2930	-0.0193	0.030	0.0022	0.50
33:	23	7	17	22	7	16	123140.3340	0.0046	0.030	0.0046	0.50
34:	23	7	16	22	7	15	123140.3340	0.0046	0.030	0.0046	0.50
35:	23	8	15	22	8	14	123152.9850	0.0103	0.030	0.0104	0.50
36:	23	8	16	22	8	15	123152.9850	0.0103	0.030	0.0104	0.50
37:	23	4	20	22	4	19	123160.5640	0.0398	0.030		
38:	23	4	19	22	4	18	123163.4050	-0.0215	0.030		
39:	23	9	15	22	9	14	123170.4530	0.0142	0.030	0.0142	0.50
40:	23	9	14	22	9	13	123170.4530	0.0142	0.030	0.0142	0.50
41:	23	3	21	22	3	20	123186.6560	0.0164	0.030		
42:	23	10	13	22	10	12	123191.8530	0.0182	0.030	0.0183	0.50
43:	23	10	14	22	10	13	123191.8530	0.0182	0.030	0.0183	0.50
44:	23	11	12	22	11	11	123216.6710	0.0143	0.030	0.0143	0.50
45:	23	11	13	22	11	12	123216.6710	0.0143	0.030	0.0143	0.50
46:	23	12	12	22	12	11	123244.5920	-0.0013	0.050	-0.0014	0.50
47:	23	12	11	22	12	10	123244.5920	-0.0013	0.050	-0.0014	0.50
48:	23	13	10	22	13	9	123275.4490	0.0093	0.050	0.0094	0.50
49:	23	13	11	22	13	10	123275.4490	0.0093	0.050	0.0094	0.50
50:	23	3	20	22	3	19	123287.2340	0.0068	0.030		
51:	23	14	9	22	14	8	123309.0860	0.0347	0.030	0.0348	0.50
52:	23	14	10	22	14	9	123309.0860	0.0347	0.030	0.0348	0.50
53:	23	15	8	22	15	7	123345.3370	0.0165	0.050	0.0166	0.50
54:	23	15	9	22	15	8	123345.3370	0.0165	0.050	0.0166	0.50
55:	23	2	21	22	2	20	124070.4790	0.0029	0.030		
56:	21	1	21	20	0	20	124304.4790	-0.0171	0.050		
57:	23	1	22	22	1	21	124450.4460	0.0049	0.030		
58:	24	1	24	23	1	23	126162.6710	-0.0027	0.030		
59:	24	0	24	23	0	23	126988.4090	-0.0026	0.030		
60:	26	0	26	25	1	25	127784.1540	0.0065	0.050		
61:	24	2	23	23	2	22	128131.1440	0.0042	0.030		
62:	24	6	18	23	6	17	128485.5210	0.0023	0.030	0.0027	0.50
63:	24	6	19	23	6	18	128485.5210	0.0029	0.030	0.0027	0.50
64:	24	7	18	23	7	17	128490.9030	0.0066	0.030	0.0067	0.50
65:	24	7	17	23	7	16	128490.9030	0.0066	0.030	0.0067	0.50
66:	24	5	20	23	5	19	128491.5000	0.0380	0.030	0.0064	0.50
67:	24	5	19	23	5	18	128491.5000	-0.0253	0.030	0.0064	0.50
68:	24	8	17	23	8	16	128503.4540	0.0092	0.030	0.0092	0.50
69:	24	8	16	23	8	15	128503.4540	0.0092	0.030	0.0092	0.50
70:	24	4	21	23	4	20	128517.5920	0.0295	0.030		
71:	24	9	16	23	9	15	128521.2250	-0.0038	0.050	-0.0038	0.50
72:	24	9	15	23	9	14	128521.2250	-0.0038	0.050	-0.0038	0.50
73:	24	4	20	23	4	19	128521.4650	-0.0070	0.050		
74:	24	10	14	23	10	13	128543.2500	0.0075	0.030	0.0075	0.50

75:	24	10	15	23	10	14	128543.2500	0.0075	0.030	0.0075	0.50
76:	24	3	22	23	3	21	128543.8060	0.0065	0.030		
77:	24	11	13	23	11	12	128568.9060	-0.0074	0.050	-0.0074	0.50
78:	24	11	14	23	11	13	128568.9060	-0.0074	0.050	-0.0074	0.50
79:	24	12	13	23	12	12	128597.8660	-0.0241	0.050	-0.0241	0.50
80:	24	12	12	23	12	11	128597.8660	-0.0241	0.050	-0.0241	0.50
81:	22	1	22	21	0	21	128639.9810	-0.0085	0.050		
82:	24	3	21	23	3	20	128667.7370	-0.0116	0.030		
83:	24	15	9	23	15	8	128702.6940	0.0269	0.050	0.0269	0.50
84:	24	15	10	23	15	9	128702.6940	0.0269	0.050	0.0269	0.50
85:	24	17	7	23	17	6	128786.2350	0.0268	0.050	0.0268	0.50
86:	24	17	8	23	17	7	128786.2350	0.0268	0.050	0.0268	0.50
87:	24	18	7	23	18	6	128831.8740	0.0294	0.050	0.0295	0.50
88:	24	18	6	23	18	5	128831.8740	0.0294	0.050	0.0295	0.50
89:	24	19	6	23	19	5	128880.0450	0.0699	0.050	0.0699	0.50
90:	24	19	5	23	19	4	128880.0450	0.0699	0.050	0.0699	0.50
91:	21	3	18	21	2	19	129195.9720	0.0281	0.050		
92:	24	2	22	23	2	21	129525.6920	0.0070	0.030		
93:	24	1	23	23	1	22	129812.0010	-0.0045	0.030		
94:	25	1	25	24	1	24	131388.7540	-0.0003	0.030		
95:	23	1	23	22	0	22	132992.3390	-0.0269	0.050		
96:	25	2	24	24	2	23	133440.3000	0.0016	0.030		
97:	25	6	20	24	6	19	133836.5420	0.0177	0.030	0.0173	0.50
98:	25	6	19	24	6	18	133836.5420	0.0168	0.030	0.0173	0.50
99:	25	7	19	24	7	18	133841.0290	-0.0018	0.030	-0.0019	0.50
100:	25	7	18	24	7	17	133841.0290	-0.0018	0.030	-0.0019	0.50
101:	25	5	20	24	5	19	133844.6070	-0.0495	0.030	-0.0037	0.50
102:	25	5	21	24	5	20	133844.6070	0.0421	0.030	-0.0037	0.50
103:	25	8	18	24	8	17	133853.4020	0.0013	0.030	0.0013	0.50
104:	25	8	17	24	8	16	133853.4020	0.0013	0.030	0.0013	0.50
105:	25	9	16	24	9	15	133871.4480	-0.0009	0.030	-0.0010	0.50
106:	25	9	17	24	9	16	133871.4480	-0.0009	0.030	-0.0010	0.50
107:	25	4	22	24	4	21	133874.8210	0.0184	0.030		
108:	25	4	21	24	4	20	133879.9960	-0.0066	0.050		
109:	25	10	15	24	10	14	133894.0430	0.0020	0.030	0.0020	0.50
110:	25	10	16	24	10	15	133894.0430	0.0020	0.030	0.0020	0.50
111:	25	3	23	24	3	22	133900.3750	0.0006	0.030		
112:	25	11	14	24	11	13	133920.5380	0.0062	0.030	0.0063	0.50
113:	25	11	15	24	11	14	133920.5380	0.0062	0.030	0.0063	0.50
114:	25	12	13	24	12	12	133950.5400	0.0135	0.030	0.0135	0.50
115:	25	12	14	24	12	13	133950.5400	0.0135	0.030	0.0135	0.50
116:	25	13	12	24	13	11	133983.7720	0.0053	0.030	0.0053	0.50
117:	25	13	13	24	13	12	133983.7720	0.0053	0.030	0.0053	0.50
118:	25	14	11	24	14	10	134020.0720	-0.0006	0.030	-0.0007	0.50
119:	25	14	12	24	14	11	134020.0720	-0.0006	0.030	-0.0007	0.50
120:	25	3	22	24	3	21	134051.6580	-0.0292	0.030		
121:	25	15	11	24	15	10	134059.3420	0.0303	0.030	0.0303	0.50
122:	25	15	10	24	15	9	134059.3420	0.0303	0.030	0.0303	0.50
123:	25	17	8	24	17	7	134146.2010	0.0077	0.050	0.0078	0.50
124:	25	17	9	24	17	8	134146.2010	0.0077	0.050	0.0078	0.50
125:	25	18	8	24	18	7	134193.6960	0.0181	0.050	0.0182	0.50
126:	25	18	7	24	18	6	134193.6960	0.0181	0.050	0.0182	0.50
127:	25	2	23	24	2	22	134983.0010	-0.0077	0.050		
128:	25	1	24	24	1	23	135166.4530	0.0010	0.030		
129:	26	1	26	25	1	25	136611.9060	-0.0041	0.030		
130:	24	1	24	23	0	23	137366.5740	0.0078	0.050		
131:	26	0	26	25	0	25	137369.2690	-0.0112	0.030		
132:	26	2	25	25	2	24	138745.9430	-0.0036	0.030		
133:	26	6	21	25	6	20	139187.2010	-0.0115	0.030	-0.0123	0.50
134:	26	6	20	25	6	19	139187.2010	-0.0130	0.030	-0.0123	0.50
135:	26	7	19	25	7	18	139190.6770	-0.0373	0.030	-0.0373	0.50
136:	26	7	20	25	7	19	139190.6770	-0.0373	0.030	-0.0373	0.50
137:	26	5	22	25	5	21	139197.6370	0.0645	0.030	-0.0008	0.50
138:	26	5	21	25	5	20	139197.6370	-0.0661	0.030	-0.0008	0.50
139:	26	8	18	25	8	17	139202.8210	0.0006	0.030	0.0007	0.50
140:	26	8	19	25	8	18	139202.8210	0.0006	0.030	0.0007	0.50
141:	26	9	17	25	9	16	139221.0800	0.0048	0.030	0.0048	0.50

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142: 26  9 18   25  9 17      139221.0800   0.0048  0.030   0.0048 0.50
143: 26  4 23   25  4 22      139232.2380   0.0088  0.030
144: 26  4 22   25  4 21      139239.0490  -0.0168  0.030
145: 26 10 16   25 10 15      139244.1940  -0.0103  0.030  -0.0104 0.50
146: 26 10 17   25 10 16      139244.1940  -0.0103  0.030  -0.0104 0.50
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368:	31	16	16	30	16	15	166234.3140	0.0127	0.030	0.0128 0.50
369:	31	16	15	30	16	14	166234.3140	0.0127	0.030	0.0128 0.50
370:	31	17	15	30	17	14	166289.3310	-0.0002	0.030	-0.0002 0.50
371:	31	17	14	30	17	13	166289.3310	-0.0002	0.030	-0.0002 0.50
372:	31	18	14	30	18	13	166347.7510	-0.0101	0.050	-0.0102 0.50
373:	31	18	13	30	18	12	166347.7510	-0.0101	0.050	-0.0102 0.50
374:	31	19	12	30	19	11	166409.4830	-0.0091	0.030	-0.0091 0.50
375:	31	19	13	30	19	12	166409.4830	-0.0091	0.030	-0.0091 0.50
376:	31	3	28	30	3	27	166442.5970	-0.0081	0.030	
377:	31	20	11	30	20	10	166474.4560	0.0199	0.050	0.0199 0.50
378:	31	20	12	30	20	11	166474.4560	0.0199	0.050	0.0199 0.50
379:	31	21	10	30	21	9	166542.5300	0.0179	0.050	0.0179 0.50
380:	31	21	11	30	21	10	166542.5300	0.0179	0.050	0.0179 0.50
381:	31	22	9	30	22	8	166613.6330	-0.0114	0.050	-0.0114 0.50
382:	31	22	10	30	22	9	166613.6330	-0.0114	0.050	-0.0114 0.50
383:	31	23	9	30	23	8	166687.7860	0.0253	0.050	0.0254 0.50
384:	31	23	8	30	23	7	166687.7860	0.0253	0.050	0.0254 0.50
385:	31	1	30	30	1	29	167119.6130	-0.0063	0.030	
386:	31	2	29	30	2	28	167719.6970	-0.0104	0.030	
387:	32	1	32	31	1	31	167891.1040	0.0099	0.030	
388:	32	0	32	31	0	31	168409.9330	0.0018	0.030	
389:	32	2	31	31	2	30	170500.3820	0.0168	0.030	
390:	38	1	37	37	2	36	170660.6430	0.0213	0.050	
391:	32	7	25	31	7	24	171278.2910	0.0058	0.030	0.0059 0.50
392:	32	7	26	31	7	25	171278.2910	0.0060	0.030	0.0059 0.50
393:	32	6	26	31	6	25	171283.9370	0.0231	0.030	0.0306 0.50
394:	32	6	27	31	6	26	171283.9370	0.0381	0.030	0.0306 0.50
395:	32	8	25	31	8	24	171286.9180	0.0793	0.050	0.0794 0.50
396:	32	8	24	31	8	23	171286.9180	0.0793	0.050	0.0794 0.50
397:	32	9	24	31	9	23	171305.0070	0.0104	0.050	0.0104 0.50
398:	32	9	23	31	9	22	171305.0070	0.0104	0.050	0.0104 0.50
399:	32	5	27	31	5	26	171314.0570	-0.0415	0.030	
400:	32	10	22	31	10	21	171330.4000	-0.0001	0.030	-0.0002 0.50
401:	32	10	23	31	10	22	171330.4000	-0.0001	0.030	-0.0002 0.50
402:	32	11	21	31	11	20	171361.7220	0.0023	0.030	0.0024 0.50
403:	32	11	22	31	11	21	171361.7220	0.0023	0.030	0.0024 0.50
404:	32	3	30	31	3	29	171366.2300	0.0126	0.030	
405:	32	4	29	31	4	28	171379.2520	0.0026	0.030	
406:	32	12	20	31	12	19	171398.0680	-0.0820	0.050	-0.0820 0.50
407:	32	12	21	31	12	20	171398.0680	-0.0820	0.050	-0.0820 0.50
408:	32	4	28	31	4	27	171408.0890	0.0020	0.030	
409:	32	13	19	31	13	18	171439.1700	-0.0034	0.030	-0.0034 0.50

410:	32	13	20	31	13	19	171439.1700	-0.0034	0.030	-0.0034	0.50
411:	32	14	18	31	14	17	171484.4390	0.0012	0.030	0.0013	0.50
412:	32	14	19	31	14	18	171484.4390	0.0012	0.030	0.0013	0.50
413:	32	15	17	31	15	16	171533.6950	0.0042	0.030	0.0043	0.50
414:	32	15	18	31	15	17	171533.6950	0.0042	0.030	0.0043	0.50
415:	32	16	16	31	16	15	171586.7360	-0.0067	0.030	-0.0068	0.50
416:	32	16	17	31	16	16	171586.7360	-0.0067	0.030	-0.0068	0.50
417:	32	17	15	31	17	14	171643.4440	-0.0003	0.030	-0.0003	0.50
418:	32	17	16	31	17	15	171643.4440	-0.0003	0.030	-0.0003	0.50
419:	32	19	13	31	19	12	171767.3240	0.0029	0.030	0.0029	0.50
420:	32	19	14	31	19	13	171767.3240	0.0029	0.030	0.0029	0.50
421:	32	20	13	31	20	12	171834.2860	-0.0111	0.030	-0.0112	0.50
422:	32	20	12	31	20	11	171834.2860	-0.0111	0.030	-0.0112	0.50
423:	32	3	29	31	3	28	171857.9960	0.0006	0.030		
424:	32	21	12	31	21	11	171904.5030	-0.0121	0.030	-0.0121	0.50
425:	32	21	11	31	21	10	171904.5030	-0.0121	0.030	-0.0121	0.50
426:	32	23	10	31	23	9	172054.4180	0.0567	0.050	0.0568	0.50
427:	32	23	9	31	23	8	172054.4180	0.0567	0.050	0.0568	0.50
428:	32	24	9	31	24	8	172133.8570	0.0169	0.050	0.0170	0.50
429:	32	24	8	31	24	7	172133.8570	0.0169	0.050	0.0170	0.50
430:	32	1	31	31	1	30	172412.4630	0.0117	0.030		
431:	33	1	33	32	1	32	173094.7630	0.0135	0.030		
432:	32	2	30	31	2	29	173166.4500	-0.0025	0.030		
433:	32	1	32	31	0	31	173521.9420	0.0181	0.050		
434:	33	0	33	32	0	32	173574.8670	0.0124	0.030		
435:	43	4	39	43	3	40	173680.9740	-0.0079	0.050		
436:	34	0	34	33	1	33	174106.6800	0.0121	0.050		
437:	33	2	32	32	2	31	175778.7200	0.0278	0.030		
438:	33	7	26	32	7	25	176624.3120	0.0310	0.030	0.0311	0.50
439:	33	7	27	32	7	26	176624.3120	0.0312	0.030	0.0311	0.50
440:	33	8	26	32	8	25	176631.9550	0.0711	0.050	0.0156	0.23
441:	33	6	28	32	6	27	176631.9550	-0.0212	0.050	0.0156	0.27
442:	33	6	27	32	6	26	176631.9550	-0.0422	0.050	0.0156	0.27
443:	33	8	25	32	8	24	176631.9550	0.0711	0.050	0.0156	0.23
444:	33	5	29	32	5	28	176665.4570	0.0595	0.030		
445:	33	5	28	32	5	27	176666.4900	-0.0235	0.030		
446:	33	10	24	32	10	23	176675.4020	0.0089	0.030	0.0090	0.50
447:	33	10	23	32	10	22	176675.4020	0.0089	0.030	0.0090	0.50
448:	33	11	23	32	11	22	176707.2650	0.0062	0.030	0.0063	0.50
449:	33	11	22	32	11	21	176707.2650	0.0062	0.030	0.0063	0.50
450:	33	3	31	32	3	30	176712.0200	0.0095	0.030		
451:	33	4	30	32	4	29	176737.1550	0.0209	0.030		
452:	33	12	21	32	12	20	176744.5130	0.0132	0.030	0.0133	0.50
453:	33	12	22	32	12	21	176744.5130	0.0132	0.030	0.0133	0.50
454:	33	4	29	32	4	28	176772.7730	0.0043	0.030		
455:	33	13	20	32	13	19	176786.5570	0.0063	0.030	0.0064	0.50
456:	33	13	21	32	13	20	176786.5570	0.0063	0.030	0.0064	0.50
457:	33	14	20	32	14	19	176833.0260	-0.0017	0.030	-0.0018	0.50
458:	33	14	19	32	14	18	176833.0260	-0.0017	0.030	-0.0018	0.50
459:	33	15	19	32	15	18	176883.6580	0.0005	0.030	0.0005	0.50
460:	33	15	18	32	15	17	176883.6580	0.0005	0.030	0.0005	0.50
461:	33	16	18	32	16	17	176938.2440	0.0094	0.030	0.0095	0.50
462:	33	16	17	32	16	16	176938.2440	0.0094	0.030	0.0095	0.50
463:	33	17	17	32	17	16	176996.5920	-0.0059	0.030	-0.0059	0.50
464:	33	17	16	32	17	15	176996.5920	-0.0059	0.030	-0.0059	0.50
465:	33	19	15	32	19	14	177124.1680	-0.0075	0.030	-0.0075	0.50
466:	33	19	14	32	19	13	177124.1680	-0.0075	0.030	-0.0075	0.50
467:	33	20	13	32	20	12	177193.1910	0.0130	0.050	0.0131	0.50
468:	33	20	14	32	20	13	177193.1910	0.0130	0.050	0.0131	0.50
469:	33	21	12	32	21	11	177265.5020	-0.0308	0.050	-0.0308	0.50
470:	33	21	13	32	21	12	177265.5020	-0.0308	0.050	-0.0308	0.50
471:	33	3	30	32	3	29	177278.7410	0.0103	0.030		
472:	33	22	11	32	22	10	177341.1460	-0.0101	0.030	-0.0101	0.50
473:	33	22	12	32	22	11	177341.1460	-0.0101	0.030	-0.0101	0.50
474:	33	23	10	32	23	9	177419.9390	-0.0292	0.050	-0.0293	0.50
475:	33	23	11	32	23	10	177419.9390	-0.0292	0.050	-0.0293	0.50
476:	33	24	10	32	24	9	177501.9150	0.0225	0.050	0.0225	0.50

477:	33	24	9	32	24	8	177501.9150	0.0225	0.050	0.0225	0.50		
478:	33	1	32	32	1	31	177695.0370	0.0195	0.030				
479:	39	1	38	38	2	37	177720.6180	0.0762	0.050				
480:	33	1	33	32	0	32	178206.7680	0.0258	0.050				
481:	34	1	34	33	1	33	178295.8530	0.0274	0.030				
482:	33	2	31	32	2	30	178608.4780	0.0111	0.030				
483:	34	0	34	33	0	33	178738.5830	0.0275	0.030				

Table S6. Line assignments and observed frequencies of the ^{201}Hg isotope of ethylmercury hidride. The order of the quantum numbers for a level is *J',K_a',K_c',(F'+1/2) J'',K_a'',K_c'',(F''+1/2)*.

								obs	o-c	error	blends o-c	wt
1:	22	1	22	22	21	1	21	21	115579.8180	-0.0016	0.050		
2:	22	1	22	24	21	1	21	23	115581.3070	-0.0105	0.050		
3:	22	0	22	22	21	0	21	21	116458.7240	0.0419	0.050		
4:	22	0	22	23	21	0	21	22	116459.3100	0.0268	0.050		
5:	22	0	22	21	21	0	21	20	116459.9020	0.0051	0.050		
6:	22	0	22	24	21	0	21	23	116460.9800	0.0784	0.050		
7:	22	2	21	22	21	2	20	21	117377.0080	0.0974	0.050		
8:	22	2	21	21	21	2	20	20	117377.6840	-0.1644	0.050	-0.1157	0.48
9:	22	2	21	23	21	2	20	22	117377.6840	-0.0705	0.050	-0.1157	0.52
10:	22	2	21	24	21	2	20	23	117378.8120	0.0906	0.050		
11:	22	6	16	21	21	6	15	20	117659.3440	-0.0244	0.050	-0.0138	0.17
12:	22	6	17	21	21	6	16	20	117659.3440	-0.0242	0.050	-0.0138	0.17
13:	22	7	16	23	21	7	15	22	117659.3440	-0.0296	0.050	-0.0138	0.17
14:	22	7	15	23	21	7	14	22	117659.3440	-0.0296	0.050	-0.0138	0.17
15:	22	7	16	22	21	7	15	21	117659.3440	0.0144	0.050	-0.0138	0.16
16:	22	7	15	22	21	7	14	21	117659.3440	0.0144	0.050	-0.0138	0.16
17:	22	8	14	21	21	8	13	20	117681.2900	-0.0852	0.050	-0.0036	0.17
18:	22	8	15	21	21	8	14	20	117681.2900	-0.0852	0.050	-0.0036	0.17
19:	22	4	18	24	21	4	17	23	117681.2900	0.0679	0.050	-0.0036	0.27
20:	22	8	15	24	21	8	14	23	117681.2900	0.0176	0.050	-0.0036	0.20
21:	22	8	14	24	21	8	13	23	117681.2900	0.0176	0.050	-0.0036	0.20
22:	22	1	21	22	21	1	20	21	118953.4740	-0.0863	0.050		
23:	22	1	21	21	21	1	20	20	118954.3490	0.0637	0.050	0.0183	0.48
24:	22	1	21	23	21	1	20	22	118954.3490	-0.0237	0.050	0.0183	0.52
25:	22	1	21	24	21	1	20	23	118955.1310	0.0313	0.050		
26:	23	1	23	23	22	1	22	22	120806.4360	0.0147	0.050		
27:	23	1	23	22	22	1	22	21	120806.8410	-0.0649	0.050		
28:	23	1	23	24	22	1	22	23	120807.2660	-0.0612	0.050		
29:	23	1	23	25	22	1	22	24	120807.8100	-0.0041	0.050		
30:	23	0	23	23	22	0	22	22	121660.7020	0.0261	0.050		
31:	23	0	23	24	22	0	22	23	121661.4870	-0.0046	0.050		
32:	23	0	23	22	22	0	22	21	121661.9620	-0.0128	0.050		
33:	23	0	23	25	22	0	22	24	121662.8040	-0.0057	0.050		
34:	23	2	22	23	22	2	21	22	122687.2760	0.0482	0.050		
35:	23	2	22	25	22	2	21	24	122688.9340	0.0354	0.050		
36:	23	6	17	23	22	6	16	22	122999.7400	-0.0086	0.050	-0.0085	0.50
37:	23	6	18	23	22	6	17	22	122999.7400	-0.0083	0.050	-0.0085	0.50
38:	23	6	17	24	22	6	16	23	123000.1710	0.1157	0.050	0.1160	0.50
39:	23	6	18	24	22	6	17	23	123000.1710	0.1161	0.050	0.1160	0.50
40:	23	8	15	24	22	8	14	23	123016.6790	0.0468	0.050	-0.0093	0.26
41:	23	8	16	23	22	8	15	22	123016.6790	-0.0701	0.050	-0.0093	0.24
42:	23	8	15	23	22	8	14	22	123016.6790	-0.0701	0.050	-0.0093	0.24
43:	23	8	16	24	22	8	15	23	123016.6790	0.0468	0.050	-0.0093	0.26
44:	23	8	15	22	22	8	14	21	123025.9040	-0.0050	0.050	0.0015	0.23
45:	23	8	15	25	22	8	14	24	123025.9040	0.0069	0.050	0.0015	0.27
46:	23	8	16	22	22	8	15	21	123025.9040	-0.0050	0.050	0.0015	0.23
47:	23	8	16	25	22	8	15	24	123025.9040	0.0069	0.050	0.0015	0.27
48:	23	4	19	23	22	4	18	22	123030.0520	-0.0155	0.050	0.0152	0.48

49:	23	4	20	25	22	4	19	24	123030.0520	0.0436	0.050	0.0152	0.52
50:	23	9	14	24	22	9	13	23	123032.8270	0.0804	0.050	0.0217	0.28
51:	23	9	15	24	22	9	14	23	123032.8270	0.0804	0.050	0.0217	0.28
52:	23	4	19	25	22	4	18	24	123032.8270	-0.0530	0.050	0.0217	0.44
53:	23	11	12	24	22	11	11	23	123075.7740	0.0003	0.050	0.0003	0.50
54:	23	11	13	24	22	11	12	23	123075.7740	0.0003	0.050	0.0003	0.50
55:	23	11	13	23	22	11	12	22	123076.7470	0.0130	0.050	0.0131	0.50
56:	23	11	12	23	22	11	11	22	123076.7470	0.0130	0.050	0.0131	0.50
57:	23	2	21	22	22	2	20	21	123934.4700	-0.0669	0.050		
58:	23	2	21	23	22	2	20	22	123934.9200	-0.0342	0.050		
59:	23	2	21	25	22	2	20	24	123935.4270	0.0662	0.050		
60:	23	1	22	23	22	1	21	22	124316.2590	0.0274	0.050		
61:	23	1	22	22	22	1	21	21	124316.9650	-0.0068	0.050	-0.0076	0.48
62:	23	1	22	24	22	1	21	23	124316.9650	-0.0084	0.050	-0.0076	0.52
63:	23	1	22	25	22	1	21	24	124317.7530	0.0375	0.050		
64:	24	1	24	24	23	1	23	23	126030.0920	0.0176	0.050		
65:	24	1	24	23	23	1	23	22	126030.5030	-0.0446	0.050		
66:	24	1	24	25	23	1	23	24	126030.8560	-0.0575	0.050		
67:	24	1	24	26	23	1	23	25	126031.3860	-0.0016	0.050		
68:	24	0	24	25	23	0	23	24	126856.1820	0.0077	0.050		
69:	24	0	24	23	23	0	23	22	126856.8300	0.1229	0.050		
70:	24	0	24	26	23	0	23	25	126857.4770	0.0077	0.050		
71:	24	6	19	24	23	6	18	23	128345.6260	-0.0095	0.050	-0.0099	0.50
72:	24	6	18	24	23	6	17	23	128345.6260	-0.0101	0.050	-0.0099	0.50
73:	24	6	19	25	23	6	18	24	128346.0770	0.1189	0.050	0.1187	0.50
74:	24	6	18	25	23	6	17	24	128346.0770	0.1183	0.050	0.1187	0.50
75:	24	5	20	24	23	5	19	23	128352.1450	0.0046	0.050	-0.0267	0.50
76:	24	5	19	24	23	5	18	23	128352.1450	-0.0581	0.050	-0.0267	0.50
77:	24	5	20	25	23	5	19	24	128352.7020	0.0968	0.050	0.0655	0.50
78:	24	5	19	25	23	5	18	24	128352.7020	0.0340	0.050	0.0655	0.50
79:	24	5	19	23	23	5	18	22	128355.2610	-0.0194	0.050	0.0118	0.50
80:	24	5	20	23	23	5	19	22	128355.2610	0.0430	0.050	0.0118	0.50
81:	24	5	19	26	23	5	18	25	128355.8380	0.0527	0.050	0.0840	0.50
82:	24	5	20	26	23	5	19	25	128355.8380	0.1152	0.050	0.0840	0.50
83:	24	8	17	24	23	8	16	23	128362.0200	0.0080	0.050	0.0265	0.24
84:	24	8	16	25	23	8	15	24	128362.0200	0.0435	0.050	0.0265	0.26
85:	24	8	17	25	23	8	16	24	128362.0200	0.0435	0.050	0.0265	0.26
86:	24	8	16	24	23	8	15	23	128362.0200	0.0080	0.050	0.0265	0.24
87:	24	8	17	26	23	8	16	25	128370.1420	0.0179	0.050	0.0433	0.27
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101:	25	1	25	26	24	1	24	25	131251.5510	-0.0237	0.050		
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478: 32 10 22 34   31 10 21 33      171149.8810  -0.1160  0.050  -0.0771 0.26
479: 32 10 23 34   31 10 22 33      171149.8810  -0.1160  0.050  -0.0771 0.26
480: 32 11 22 32   31 11 21 31      171175.3740  -0.0261  0.050  -0.0016 0.25
481: 32 11 21 32   31 11 20 31      171175.3740  -0.0261  0.050  -0.0016 0.25
482: 32 11 22 33   31 11 21 32      171175.3740   0.0228  0.050  -0.0016 0.25
483: 32 11 21 33   31 11 20 32      171175.3740   0.0228  0.050  -0.0016 0.25
484: 32 11 21 31   31 11 20 30      171181.8240  -0.0104  0.050  -0.0127 0.24
485: 32 11 21 34   31 11 20 33      171181.8240  -0.0147  0.050  -0.0127 0.26
486: 32 11 22 34   31 11 21 33      171181.8240  -0.0147  0.050  -0.0127 0.26
487: 32 11 22 31   31 11 21 30      171181.8240  -0.0104  0.050  -0.0127 0.24
488: 32 12 20 34   31 12 19 33      171218.8620   0.0323  0.050  -0.0062 0.26
489: 32 12 21 34   31 12 20 33      171218.8620   0.0323  0.050  -0.0062 0.26
490: 32 12 20 31   31 12 19 30      171218.8620  -0.0478  0.050  -0.0062 0.24
491: 32 12 21 31   31 12 20 30      171218.8620  -0.0478  0.050  -0.0062 0.24
492: 32 15 17 33   31 15 16 32      171344.2180   0.0127  0.050   0.0128 0.50
493: 32 15 18 33   31 15 17 32      171344.2180   0.0127  0.050   0.0128 0.50
494: 32 15 17 32   31 15 16 31      171344.6980   0.0335  0.050   0.0335 0.50
495: 32 15 18 32   31 15 17 31      171344.6980   0.0335  0.050   0.0335 0.50
496: 32 15 17 34   31 15 16 33      171356.2250  -0.0616  0.050  -0.0617 0.50
497: 32 15 18 34   31 15 17 33      171356.2250  -0.0616  0.050  -0.0617 0.50
498: 32 15 18 31   31 15 17 30      171356.7050   0.0371  0.050   0.0372 0.50
499: 32 15 17 31   31 15 16 30      171356.7050   0.0371  0.050   0.0372 0.50
500: 32 16 16 34   31 16 15 33      171410.0750   0.0226  0.050   0.0227 0.50
501: 32 16 17 34   31 16 16 33      171410.0750   0.0226  0.050   0.0227 0.50
502: 32 16 16 31   31 16 15 30      171410.5850   0.0349  0.050   0.0350 0.50
503: 32 16 17 31   31 16 16 30      171410.5850   0.0349  0.050   0.0350 0.50
504: 32  1 31 32   31  1 30 31      172229.3510  -0.0039  0.050
505: 32  1 31 33   31  1 30 32      172229.7370   0.0123  0.050
506: 32  1 31 31   31  1 30 30      172230.3640   0.0008  0.050
507: 32  1 31 34   31  1 30 33      172230.7750   0.0378  0.050
508: 33  1 33 33   32  1 32 32      172914.0950   0.0142  0.050
509: 33  1 33 34   32  1 32 33      172914.5010  -0.0243  0.050  -0.0020 0.52
510: 33  1 33 32   32  1 32 31      172914.5010   0.0222  0.050  -0.0020 0.48
511: 33  1 33 35   32  1 32 34      172914.9470   0.0233  0.050
512: 32  2 30 31   31  2 29 30      172977.4020   0.0109  0.050
513: 32  2 30 33   31  2 29 32      172978.0980  -0.0018  0.050
514: 33  0 33 33   32  0 32 32      173394.8380   0.0109  0.050
515: 33  0 33 34   32  0 32 33      173395.2500   0.0080  0.050
516: 33  0 33 32   32  0 32 31      173395.7230  -0.0191  0.050
517: 33  0 33 35   32  0 32 34      173396.1650   0.0075  0.050
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518:	33	2	32	33	32	2	31	32	175592.5700	-0.0134	0.050		
519:	33	2	32	35	32	2	31	34	175593.5720	-0.0112	0.050		
520:	33	9	25	34	32	9	24	33	176459.0110	-0.0409	0.050	0.0208	0.25
521:	33	9	24	33	32	9	23	32	176459.0110	0.0825	0.050	0.0208	0.25
522:	33	9	25	33	32	9	24	32	176459.0110	0.0825	0.050	0.0208	0.25
523:	33	9	24	34	32	9	23	33	176459.0110	-0.0409	0.050	0.0208	0.25
524:	33	5	29	33	32	5	28	32	176475.4570	0.0342	0.050		
525:	33	5	29	34	32	5	28	33	176475.8250	0.0756	0.050		
526:	33	5	29	32	32	5	28	31	176476.5210	-0.0080	0.050	-0.0074	0.49
527:	33	5	28	33	32	5	27	32	176476.5210	-0.0067	0.050	-0.0074	0.51
528:	33	5	28	34	32	5	27	33	176476.9390	0.0845	0.050	0.0780	0.49
529:	33	5	29	35	32	5	28	34	176476.9390	0.0717	0.050	0.0780	0.51
530:	33	5	28	32	32	5	27	31	176477.6030	-0.0282	0.050		
531:	33	5	28	35	32	5	27	34	176478.0110	0.0414	0.050		
532:	33	10	23	33	32	10	22	32	176484.1680	0.0504	0.050	0.0226	0.25
533:	33	10	23	34	32	10	22	33	176484.1680	-0.0052	0.050	0.0226	0.25
534:	33	10	24	34	32	10	23	33	176484.1680	-0.0052	0.050	0.0226	0.25
535:	33	10	24	33	32	10	23	32	176484.1680	0.0504	0.050	0.0226	0.25
536:	33	11	23	33	32	11	22	32	176515.4920	-0.0107	0.050	-0.0013	0.25
537:	33	11	22	33	32	11	21	32	176515.4920	-0.0107	0.050	-0.0013	0.25
538:	33	11	22	34	32	11	21	33	176515.4920	0.0081	0.050	-0.0013	0.25
539:	33	11	23	34	32	11	22	33	176515.4920	0.0081	0.050	-0.0013	0.25
540:	33	11	22	35	32	11	21	34	176521.3830	-0.0131	0.050	0.0007	0.26
541:	33	11	23	32	32	11	22	31	176521.3830	0.0157	0.050	0.0007	0.24
542:	33	11	22	32	32	11	21	31	176521.3830	0.0157	0.050	0.0007	0.24
543:	33	11	23	35	32	11	22	34	176521.3830	-0.0131	0.050	0.0007	0.26
544:	33	12	21	34	32	12	20	33	176552.1750	0.0686	0.050	0.0186	0.25
545:	33	12	22	34	32	12	21	33	176552.1750	0.0686	0.050	0.0186	0.25
546:	33	12	21	33	32	12	20	32	176552.1750	-0.0314	0.050	0.0186	0.25
547:	33	12	22	33	32	12	21	32	176552.1750	-0.0314	0.050	0.0186	0.25
548:	33	12	21	35	32	12	20	34	176559.1750	0.0261	0.050	0.0042	0.26
549:	33	12	22	35	32	12	21	34	176559.1750	0.0261	0.050	0.0042	0.26
550:	33	12	21	32	32	12	20	31	176559.1750	-0.0196	0.050	0.0042	0.24
551:	33	12	22	32	32	12	21	31	176559.1750	-0.0196	0.050	0.0042	0.24
552:	33	1	32	33	32	1	31	32	177506.6690	-0.0072	0.050		
553:	33	1	32	34	32	1	31	33	177507.0440	0.0251	0.050		
554:	33	1	32	32	32	1	31	31	177507.7240	0.0084	0.050		
555:	33	1	32	35	32	1	31	34	177508.0950	0.0251	0.050		
556:	34	1	34	34	33	1	33	33	178109.8070	-0.0250	0.050		
557:	34	1	34	33	33	1	33	32	178110.2520	0.0293	0.050	0.0148	0.49
558:	34	1	34	35	33	1	33	34	178110.2520	0.0008	0.050	0.0148	0.51
559:	34	1	34	36	33	1	33	35	178110.6580	0.0159	0.050		

Table S7. Line assignments and observed frequencies of the ^{198}Hg isotope of ethylmercury hidride. The order of the quantum numbers for a level is $J',K_a',K_c'\ J'',K_a'',K_c''$.

					obs	o-c	error	blends o-c		wt		
1:	22	1	22	21	1	21	115763.1200	-0.0102	0.050			
2:	22	0	22	21	0	21	116642.8670	-0.0193	0.030			
3:	22	2	21	21	2	20	117566.1780	0.0342	0.030			
4:	22	6	17	21	6	16	117846.6020	0.0717	0.030	0.0716	0.50	
5:	22	6	16	21	6	15	117846.6020	0.0714	0.030	0.0716	0.50	
6:	22	5	18	21	5	17	117848.9940	0.0491	0.050	0.0347	0.50	
7:	22	5	17	21	5	16	117848.9940	0.0201	0.050	0.0347	0.50	
8:	22	7	16	21	7	15	117853.2920	0.0317	0.030	0.0317	0.50	
9:	22	7	15	21	7	14	117853.2920	0.0317	0.030	0.0317	0.50	
10:	22	8	14	21	8	13	117865.9880	0.0682	0.030	0.0683	0.50	
11:	22	8	15	21	8	14	117865.9880	0.0682	0.030	0.0683	0.50	
12:	22	4	19	21	4	18	117867.7850	0.0756	0.050			
13:	22	4	18	21	4	17	117869.8260	-0.0178	0.050			

14:	22	9	13	21	9	12	117883.0630	0.0507	0.050	0.0507	0.50
15:	22	9	14	21	9	13	117883.0630	0.0507	0.050	0.0507	0.50
16:	22	3	20	21	3	19	117893.0790	-0.0028	0.030		
17:	22	10	12	21	10	11	117903.7450	-0.0129	0.050	-0.0129	0.50
18:	22	10	13	21	10	12	117903.7450	-0.0129	0.050	-0.0129	0.50
19:	22	11	12	21	11	11	117927.7100	-0.0013	0.050	-0.0013	0.50
20:	22	11	11	21	11	10	117927.7100	-0.0013	0.050	-0.0013	0.50
21:	22	3	19	21	3	18	117974.1560	0.0054	0.030		
22:	22	13	10	21	13	9	117984.2800	0.0455	0.050	0.0455	0.50
23:	22	13	9	21	13	8	117984.2800	0.0455	0.050	0.0455	0.50
24:	22	2	20	21	2	19	118683.8580	0.0085	0.030		
25:	22	1	21	21	1	20	119147.0680	0.0197	0.030		
26:	23	1	23	22	1	22	120997.8390	0.0083	0.030		
27:	23	0	23	22	0	22	121852.7470	0.0056	0.030		
28:	25	0	25	24	1	24	121884.6460	-0.0307	0.050		
29:	23	2	22	22	2	21	122884.8190	0.0097	0.030		
30:	23	6	18	22	6	17	123201.0540	0.0147	0.030	0.0145	0.50
31:	23	6	17	22	6	16	123201.0540	0.0143	0.030	0.0145	0.50
32:	23	5	18	22	5	17	123205.1660	-0.0115	0.030	0.0101	0.50
33:	23	5	19	22	5	18	123205.1660	0.0317	0.030	0.0101	0.50
34:	23	7	16	22	7	15	123207.1480	0.0021	0.030	0.0021	0.50
35:	23	7	17	22	7	16	123207.1480	0.0021	0.030	0.0021	0.50
36:	23	8	15	22	8	14	123219.7970	0.0113	0.030	0.0114	0.50
37:	23	8	16	22	8	15	123219.7970	0.0113	0.030	0.0114	0.50
38:	23	4	20	22	4	19	123227.4880	0.0330	0.030		
39:	23	4	19	22	4	18	123230.3460	-0.0239	0.030		
40:	23	9	14	22	9	13	123237.2520	0.0014	0.030	0.0015	0.50
41:	23	9	15	22	9	14	123237.2520	0.0014	0.030	0.0015	0.50
42:	23	3	21	22	3	20	123253.5930	-0.0041	0.030		
43:	23	10	13	22	10	12	123258.6600	0.0084	0.030	0.0085	0.50
44:	23	10	14	22	10	13	123258.6600	0.0084	0.030	0.0085	0.50
45:	23	11	12	22	11	11	123283.4940	0.0122	0.050	0.0123	0.50
46:	23	11	13	22	11	12	123283.4940	0.0122	0.050	0.0123	0.50
47:	23	12	12	22	12	11	123311.4350	0.0057	0.030	0.0057	0.50
48:	23	12	11	22	12	10	123311.4350	0.0057	0.030	0.0057	0.50
49:	23	13	11	22	13	10	123342.2950	0.0065	0.030	0.0065	0.50
50:	23	13	10	22	13	9	123342.2950	0.0065	0.030	0.0065	0.50
51:	23	3	20	22	3	19	123354.5200	0.0123	0.030		
52:	23	14	10	22	14	9	123376.0060	0.0910	0.050	0.0910	0.50
53:	23	14	9	22	14	8	123376.0060	0.0910	0.050	0.0910	0.50
54:	23	15	8	22	15	7	123412.3100	0.1093	0.050	0.1094	0.50
55:	23	15	9	22	15	8	123412.3100	0.1093	0.050	0.1094	0.50
56:	23	2	21	22	2	20	124139.1300	0.0099	0.030		
57:	21	1	21	20	0	20	124352.2760	0.0241	0.050		
58:	23	1	22	22	1	21	124518.1540	0.0020	0.030		
59:	24	1	24	23	1	23	126229.6070	0.0165	0.030		
60:	24	0	24	23	0	23	127055.3490	0.0093	0.030		
61:	24	2	23	23	2	22	128200.1860	-0.0059	0.030		
62:	34	2	33	34	1	34	128344.8220	-0.0036	0.050		
63:	24	6	18	23	6	17	128555.2460	-0.0121	0.030	-0.0118	0.50
64:	24	6	19	23	6	18	128555.2460	-0.0115	0.030	-0.0118	0.50
65:	24	5	20	23	5	19	128561.2750	0.0352	0.030	0.0034	0.50
66:	24	5	19	23	5	18	128561.2750	-0.0284	0.030	0.0034	0.50
67:	24	8	16	23	8	15	128573.1460	-0.0129	0.050	-0.0129	0.50
68:	24	8	17	23	8	16	128573.1460	-0.0129	0.050	-0.0129	0.50
69:	24	4	21	23	4	20	128587.4440	0.0295	0.030		
70:	24	9	15	23	9	14	128590.9290	-0.0137	0.030	-0.0138	0.50
71:	24	9	16	23	9	15	128590.9290	-0.0137	0.030	-0.0138	0.50
72:	24	4	20	23	4	19	128591.2900	-0.0508	0.050		
73:	24	10	14	23	10	13	128612.9700	0.0089	0.030	0.0089	0.50
74:	24	10	15	23	10	14	128612.9700	0.0089	0.030	0.0089	0.50
75:	24	3	22	23	3	21	128613.6780	0.0085	0.030		
76:	24	11	14	23	11	13	128638.6590	0.0189	0.030	0.0189	0.50
77:	24	11	13	23	11	12	128638.6590	0.0189	0.030	0.0189	0.50
78:	24	13	12	23	13	11	128699.6230	-0.0698	0.050	-0.0698	0.50
79:	24	13	11	23	13	10	128699.6230	-0.0698	0.050	-0.0698	0.50
80:	24	2	22	23	2	21	129597.3950	0.0094	0.030		

81:	24	1	23	23	1	22	129882.5480	-0.0019	0.030	
82:	25	1	25	24	1	24	131458.4200	0.0093	0.030	
83:	25	0	25	24	0	24	132251.3670	0.0033	0.030	
84:	25	2	24	24	2	23	133512.1730	0.0000	0.030	
85:	25	6	19	24	6	18	133909.1730	0.0003	0.030	0.0009 0.50
86:	25	6	20	24	6	19	133909.1730	0.0013	0.030	0.0009 0.50
87:	25	7	18	24	7	17	133913.6600	0.0030	0.030	0.0031 0.50
88:	25	7	19	24	7	18	133913.6600	0.0030	0.030	0.0031 0.50
89:	25	5	20	24	5	19	133917.3050	-0.0433	0.030	0.0027 0.50
90:	25	5	21	24	5	20	133917.3050	0.0488	0.030	0.0027 0.50
91:	25	8	18	24	8	17	133926.0170	-0.0007	0.030	-0.0008 0.50
92:	25	8	17	24	8	16	133926.0170	-0.0007	0.030	-0.0008 0.50
93:	25	9	17	24	9	16	133944.0730	0.0081	0.030	0.0081 0.50
94:	25	9	16	24	9	15	133944.0730	0.0081	0.030	0.0081 0.50
95:	25	4	22	24	4	21	133947.6030	0.0263	0.030	
96:	25	4	21	24	4	20	133952.7800	-0.0191	0.030	
97:	25	10	15	24	10	14	133966.6620	0.0011	0.030	0.0011 0.50
98:	25	10	16	24	10	15	133966.6620	0.0011	0.030	0.0011 0.50
99:	25	3	23	24	3	22	133973.1550	0.0001	0.030	
100:	25	11	15	24	11	14	133993.0780	-0.0815	0.050	-0.0815 0.50
101:	25	11	14	24	11	13	133993.0780	-0.0815	0.050	-0.0815 0.50
102:	25	12	14	24	12	13	134023.1980	0.0327	0.050	0.0328 0.50
103:	25	12	13	24	12	12	134023.1980	0.0327	0.050	0.0328 0.50
104:	25	13	12	24	13	11	134056.4240	0.0050	0.030	0.0050 0.50
105:	25	13	13	24	13	12	134056.4240	0.0050	0.030	0.0050 0.50
106:	25	14	12	24	14	11	134092.7430	0.0024	0.030	0.0025 0.50
107:	25	14	11	24	14	10	134092.7430	0.0024	0.030	0.0025 0.50
108:	25	3	22	24	3	21	134124.9500	-0.0002	0.030	
109:	25	15	11	24	15	10	134131.9970	0.0000	0.030	0.0000 0.50
110:	25	15	10	24	15	9	134131.9970	0.0000	0.030	0.0000 0.50
111:	25	16	10	24	16	9	134174.0810	-0.0036	0.050	-0.0037 0.50
112:	25	16	9	24	16	8	134174.0810	-0.0036	0.050	-0.0037 0.50
113:	25	2	23	24	2	22	135057.7540	-0.0041	0.030	
114:	25	1	24	24	1	23	135239.8090	-0.0043	0.030	
115:	26	1	26	25	1	25	136684.3000	-0.0024	0.030	
116:	26	0	26	25	0	25	137441.5290	0.0000	0.030	
117:	26	2	25	25	2	24	138820.6450	0.0077	0.030	
118:	26	6	21	25	6	20	139262.7450	-0.0230	0.030	-0.0238 0.50
119:	26	6	20	25	6	19	139262.7450	-0.0246	0.030	-0.0238 0.50
120:	26	7	20	25	7	19	139266.2280	-0.0170	0.030	-0.0171 0.50
121:	26	7	19	25	7	18	139266.2280	-0.0170	0.030	-0.0171 0.50
122:	26	5	22	25	5	21	139273.2440	0.0660	0.030	0.0003 0.50
123:	26	5	21	25	5	20	139273.2440	-0.0654	0.030	0.0003 0.50
124:	26	8	18	25	8	17	139278.3320	-0.0081	0.030	-0.0081 0.50
125:	26	8	19	25	8	18	139278.3320	-0.0081	0.030	-0.0081 0.50
126:	26	9	18	25	9	17	139296.5990	0.0064	0.030	0.0064 0.50
127:	26	9	17	25	9	16	139296.5990	0.0064	0.030	0.0064 0.50
128:	26	4	23	25	4	22	139307.9480	0.0214	0.030	
129:	26	4	22	25	4	21	139314.7790	-0.0135	0.030	
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342: 31 14 17   30 14 16      166224.9810  -0.0070  0.030  -0.0070 0.50
343: 31 15 16   30 15 15      166272.8430  -0.0268  0.030  -0.0269 0.50
344: 31 15 17   30 15 16      166272.8430  -0.0268  0.030  -0.0269 0.50
345: 31 17 14   30 17 13      166379.4740   0.0124  0.030   0.0124 0.50
346: 31 17 15   30 17 14      166379.4740   0.0124  0.030   0.0124 0.50
347: 46  2 45   46  1 46      166429.6710   0.0039  0.050
348: 31 18 13   30 18 12      166437.9020  -0.0154  0.030  -0.0154 0.50
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349:	31	18	14	30	18	13	166437.9020	-0.0154	0.030	-0.0154	0.50
350:	31	19	13	30	19	12	166499.7000	0.0243	0.050	0.0243	0.50
351:	31	19	12	30	19	11	166499.7000	0.0243	0.050	0.0243	0.50
352:	31	3	28	30	3	27	166534.0870	-0.0028	0.030		
353:	31	20	11	30	20	10	166564.5970	-0.0510	0.050	-0.0510	0.50
354:	31	20	12	30	20	11	166564.5970	-0.0510	0.050	-0.0510	0.50
355:	31	21	11	30	21	10	166632.7950	0.0416	0.050	0.0417	0.50
356:	31	21	10	30	21	9	166632.7950	0.0416	0.050	0.0417	0.50
357:	31	22	9	30	22	8	166703.9050	-0.0104	0.050	-0.0104	0.50
358:	31	22	10	30	22	9	166703.9050	-0.0104	0.050	-0.0104	0.50
359:	31	1	30	30	1	29	167209.4870	-0.0061	0.030		
360:	31	2	29	30	2	28	167812.4750	0.0005	0.030		
361:	32	1	32	31	1	31	167979.8400	0.0001	0.030		
362:	32	0	32	31	0	31	168498.2560	0.0118	0.050		
363:	33	0	33	32	1	32	168563.0920	-0.0173	0.050		
364:	32	2	31	31	2	30	170591.8100	-0.0057	0.030		
365:	32	7	26	31	7	25	171371.2520	0.0093	0.030	0.0093	0.50
366:	32	7	25	31	7	24	171371.2520	0.0091	0.030	0.0093	0.50
367:	32	6	27	31	6	26	171376.9220	0.0134	0.030	0.0059	0.50
368:	32	6	26	31	6	25	171376.9220	-0.0016	0.030	0.0059	0.50
369:	32	8	24	31	8	23	171379.7880	0.0189	0.030	0.0189	0.50
370:	32	8	25	31	8	24	171379.7880	0.0189	0.030	0.0189	0.50
371:	32	5	28	31	5	27	171406.4070	0.0492	0.030		
372:	32	5	27	31	5	26	171407.1410	-0.0685	0.030		
373:	32	10	23	31	10	22	171423.3170	0.0012	0.030	0.0013	0.50
374:	32	10	22	31	10	21	171423.3170	0.0012	0.030	0.0013	0.50
375:	32	11	21	31	11	20	171454.6470	0.0073	0.030	0.0074	0.50
376:	32	11	22	31	11	21	171454.6470	0.0073	0.030	0.0074	0.50
377:	32	3	30	31	3	29	171459.2870	0.0066	0.030		
378:	32	4	29	31	4	28	171472.5150	0.0130	0.030		
379:	32	12	20	31	12	19	171491.0830	0.0032	0.030	0.0033	0.50
380:	32	12	21	31	12	20	171491.0830	0.0032	0.030	0.0033	0.50
381:	32	4	28	31	4	27	171501.4620	0.0000	0.030		
382:	32	13	20	31	13	19	171532.1220	0.0049	0.030	0.0050	0.50
383:	32	13	19	31	13	18	171532.1220	0.0049	0.030	0.0050	0.50
384:	32	14	18	31	14	17	171577.3960	-0.0026	0.030	-0.0026	0.50
385:	32	14	19	31	14	18	171577.3960	-0.0026	0.030	-0.0026	0.50
386:	32	15	17	31	15	16	171626.6820	0.0102	0.030	0.0103	0.50
387:	32	15	18	31	15	17	171626.6820	0.0102	0.030	0.0103	0.50
388:	32	16	16	31	16	15	171679.7530	0.0066	0.030	0.0066	0.50
389:	32	16	17	31	16	16	171679.7530	0.0066	0.030	0.0066	0.50
390:	32	17	16	31	17	15	171736.4690	-0.0036	0.030	-0.0037	0.50
391:	32	17	15	31	17	14	171736.4690	-0.0036	0.030	-0.0037	0.50
392:	32	18	14	31	18	13	171796.7400	0.0129	0.030	0.0129	0.50
393:	32	18	15	31	18	14	171796.7400	0.0129	0.030	0.0129	0.50
394:	32	19	13	31	19	12	171860.3880	-0.0159	0.030	-0.0159	0.50
395:	32	19	14	31	19	13	171860.3880	-0.0159	0.030	-0.0159	0.50
396:	32	20	12	31	20	11	171927.4230	0.0137	0.030	0.0138	0.50
397:	32	20	13	31	20	12	171927.4230	0.0137	0.030	0.0138	0.50
398:	32	3	29	31	3	28	171952.5730	0.0127	0.030		
399:	32	23	9	31	23	8	172147.5780	0.0133	0.050	0.0134	0.50
400:	32	23	10	31	23	9	172147.5780	0.0133	0.050	0.0134	0.50
401:	32	25	8	31	25	7	172309.4710	-0.0523	0.050	-0.0524	0.50
402:	32	25	7	31	25	6	172309.4710	-0.0523	0.050	-0.0524	0.50
403:	32	1	31	31	1	30	172505.0120	0.0048	0.030		
404:	33	1	33	32	1	32	173186.2250	0.0125	0.030		
405:	32	2	30	31	2	29	173262.1580	-0.0065	0.030		
406:	32	1	32	31	0	31	173600.9780	-0.0220	0.050		
407:	33	0	33	32	0	32	173665.8780	0.0127	0.030		
408:	34	0	34	33	1	33	174209.1210	-0.0452	0.050		
409:	33	2	32	32	2	31	175872.9180	0.0051	0.030		
410:	33	7	27	32	7	26	176720.1850	0.0424	0.050	0.0423	0.50
411:	33	7	26	32	7	25	176720.1850	0.0421	0.050	0.0423	0.50
412:	33	9	24	32	9	23	176745.6210	0.0216	0.030	0.0216	0.50
413:	33	9	25	32	9	24	176745.6210	0.0216	0.030	0.0216	0.50
414:	33	5	29	32	5	28	176761.4790	0.0555	0.030		
415:	33	10	24	32	10	23	176771.2110	0.0052	0.030	0.0052	0.50

416:	33	10	23	32	10	22	176771.2110	0.0052	0.030	0.0052	0.50
417:	33	11	23	32	11	22	176803.0870	0.0118	0.030	0.0118	0.50
418:	33	11	22	32	11	21	176803.0870	0.0118	0.030	0.0118	0.50
419:	33	3	31	32	3	30	176807.9880	0.0351	0.030		
420:	33	4	30	32	4	29	176833.3420	0.0282	0.030		
421:	33	12	21	32	12	20	176840.3360	0.0105	0.030	0.0106	0.50
422:	33	12	22	32	12	21	176840.3360	0.0105	0.030	0.0106	0.50
423:	33	4	29	32	4	28	176869.1110	0.0114	0.030		
424:	33	13	20	32	13	19	176882.4050	0.0149	0.030	0.0150	0.50
425:	33	13	21	32	13	20	176882.4050	0.0149	0.030	0.0150	0.50
426:	33	14	19	32	14	18	176928.8930	0.0084	0.030	0.0084	0.50
427:	33	14	20	32	14	19	176928.8930	0.0084	0.030	0.0084	0.50
428:	33	15	19	32	15	18	176979.5470	0.0123	0.030	0.0123	0.50
429:	33	15	18	32	15	17	176979.5470	0.0123	0.030	0.0123	0.50
430:	33	17	16	32	17	15	177092.5270	0.0036	0.030	0.0037	0.50
431:	33	17	17	32	17	16	177092.5270	0.0036	0.030	0.0037	0.50
432:	33	18	15	32	18	14	177154.5710	0.0027	0.030	0.0027	0.50
433:	33	18	16	32	18	15	177154.5710	0.0027	0.030	0.0027	0.50
434:	33	19	14	32	19	13	177220.1760	0.0192	0.050	0.0193	0.50
435:	33	19	15	32	19	14	177220.1760	0.0192	0.050	0.0193	0.50
436:	33	20	14	32	20	13	177289.1790	-0.0100	0.030	-0.0101	0.50
437:	33	20	13	32	20	12	177289.1790	-0.0100	0.030	-0.0101	0.50
438:	33	21	12	32	21	11	177361.5260	-0.0488	0.050	-0.0488	0.50
439:	33	21	13	32	21	12	177361.5260	-0.0488	0.050	-0.0488	0.50
440:	33	3	30	32	3	29	177376.4200	0.0325	0.030		
441:	33	22	12	32	22	11	177437.1980	-0.0315	0.050	-0.0315	0.50
442:	33	22	11	32	22	10	177437.1980	-0.0315	0.050	-0.0315	0.50
443:	33	23	10	32	23	9	177516.0230	-0.0501	0.050	-0.0502	0.50
444:	33	23	11	32	23	10	177516.0230	-0.0501	0.050	-0.0502	0.50
445:	33	1	32	32	1	31	177790.2490	0.0137	0.030		
446:	33	1	33	32	0	32	178289.0180	0.0496	0.050		
447:	34	1	34	33	1	33	178390.0320	0.0279	0.030		
448:	33	2	31	32	2	30	178707.1310	0.0255	0.030		
449:	34	0	34	33	0	33	178832.2960	0.0266	0.030		

Table S8. Line assignments and observed frequencies of the ^{204}Hg isotope of ethylmercury hidride. The order of the quantum numbers for a level is $J',K_a',K_c'\ J'',K_a'',K_c''$.

						obs	o-c	error	blends o-c	wt
1:	22	1	22	21	1	21	115403.3670	0.0234	0.050		
2:	22	0	22	21	0	21	116282.0120	-0.0256	0.030		
3:	22	2	21	21	2	20	117194.9410	0.0036	0.030		
4:	22	6	17	21	6	16	117472.1920	0.0110	0.050	0.0109	0.50
5:	22	6	16	21	6	15	117472.1920	0.0108	0.050	0.0109	0.50
6:	22	5	18	21	5	17	117474.4720	0.0418	0.030	0.0278	0.50
7:	22	5	17	21	5	16	117474.4720	0.0138	0.030	0.0278	0.50
8:	22	7	16	21	7	15	117479.0000	0.0152	0.030	0.0152	0.50
9:	22	7	15	21	7	14	117479.0000	0.0151	0.030	0.0152	0.50
10:	22	8	14	21	8	13	117491.7030	0.0358	0.050	0.0359	0.50
11:	22	8	15	21	8	14	117491.7030	0.0358	0.050	0.0359	0.50
12:	22	4	19	21	4	18	117492.9040	0.0457	0.050		
13:	22	4	18	21	4	17	117494.8850	-0.0537	0.050		
14:	22	3	20	21	3	19	117518.0640	0.0184	0.030		
15:	22	10	12	21	10	11	117529.4840	0.0198	0.030	0.0199	0.50
16:	22	10	13	21	10	12	117529.4840	0.0198	0.030	0.0199	0.50
17:	22	11	12	21	11	11	117553.3580	-0.0106	0.050	-0.0106	0.50
18:	22	11	11	21	11	10	117553.3580	-0.0106	0.050	-0.0106	0.50
19:	22	3	19	21	3	18	117597.6330	0.0439	0.050		
20:	22	2	20	21	2	19	118299.8460	0.0255	0.030		
21:	22	1	21	21	1	20	118767.2400	0.0196	0.030		

22:	23	1	23	22	1	22	120621.9800	0.0230	0.030	
23:	23	0	23	22	0	22	121476.3210	0.0218	0.030	
24:	23	2	22	22	2	21	122497.0310	0.0221	0.030	
25:	23	6	18	22	6	17	122809.6710	0.0059	0.030	0.0057 0.50
26:	23	6	17	22	6	16	122809.6710	0.0055	0.030	0.0057 0.50
27:	23	5	18	22	5	17	122813.6040	-0.0052	0.030	0.0157 0.50
28:	23	5	19	22	5	18	122813.6040	0.0366	0.030	0.0157 0.50
29:	23	7	16	22	7	15	122815.8780	0.0173	0.030	0.0174 0.50
30:	23	7	17	22	7	16	122815.8780	0.0173	0.030	0.0174 0.50
31:	23	4	20	22	4	19	122835.5880	0.0821	0.030	
32:	23	4	19	22	4	18	122838.3250	-0.0221	0.030	
33:	23	9	14	22	9	13	122846.0090	0.0169	0.030	0.0169 0.50
34:	23	9	15	22	9	14	122846.0090	0.0169	0.030	0.0169 0.50
35:	23	3	21	22	3	20	122861.5060	0.0069	0.030	
36:	23	10	14	22	10	13	122867.3770	0.0136	0.030	0.0136 0.50
37:	23	10	13	22	10	12	122867.3770	0.0136	0.030	0.0136 0.50
38:	23	11	12	22	11	11	122892.2230	0.0778	0.050	0.0779 0.50
39:	23	11	13	22	11	12	122892.2230	0.0778	0.050	0.0779 0.50
40:	23	12	11	22	12	10	122919.9590	-0.0701	0.050	-0.0702 0.50
41:	23	12	12	22	12	11	122919.9590	-0.0701	0.050	-0.0702 0.50
42:	23	13	10	22	13	9	122950.7260	-0.0862	0.050	-0.0863 0.50
43:	23	13	11	22	13	10	122950.7260	-0.0862	0.050	-0.0863 0.50
44:	23	3	20	22	3	19	122960.5120	-0.0037	0.050	
45:	23	14	10	22	14	9	122984.2550	-0.0964	0.050	-0.0964 0.50
46:	23	14	9	22	14	8	122984.2550	-0.0964	0.050	-0.0964 0.50
47:	23	2	21	22	2	20	123737.1640	0.0060	0.030	
48:	23	1	22	22	1	21	124121.6520	0.0145	0.030	
49:	24	1	24	23	1	23	125837.6690	0.0154	0.030	
50:	24	0	24	23	0	23	126663.3220	0.0020	0.030	
51:	24	2	23	23	2	22	127795.8430	0.0099	0.030	
52:	24	6	19	23	6	18	128146.8710	0.0136	0.030	0.0134 0.50
53:	24	6	18	23	6	17	128146.8710	0.0130	0.030	0.0134 0.50
54:	24	7	17	23	7	16	128152.3160	-0.0070	0.030	-0.0071 0.50
55:	24	7	18	23	7	17	128152.3160	-0.0070	0.030	-0.0071 0.50
56:	24	5	19	23	5	18	128152.6700	-0.0086	0.030	0.0222 0.50
57:	24	5	20	23	5	19	128152.6700	0.0530	0.030	0.0222 0.50
58:	24	8	17	23	8	16	128164.9180	0.0126	0.030	0.0126 0.50
59:	24	8	16	23	8	15	128164.9180	0.0126	0.030	0.0126 0.50
60:	24	4	21	23	4	20	128178.3800	0.0189	0.030	
61:	24	4	20	23	4	19	128182.1630	-0.0252	0.030	
62:	24	9	15	23	9	14	128182.6950	0.0050	0.030	0.0051 0.50
63:	24	9	16	23	9	15	128182.6950	0.0050	0.030	0.0051 0.50
64:	24	3	22	23	3	21	128204.5570	0.0380	0.030	-0.0487 0.47
65:	24	10	15	23	10	14	128204.5570	-0.1242	0.030	-0.0487 0.27
66:	24	10	14	23	10	13	128204.5570	-0.1242	0.030	-0.0487 0.27
67:	24	11	14	23	11	13	128230.3350	0.0224	0.030	0.0224 0.50
68:	24	11	13	23	11	12	128230.3350	0.0224	0.030	0.0224 0.50
69:	24	12	13	23	12	12	128259.2500	0.0137	0.030	0.0138 0.50
70:	24	12	12	23	12	11	128259.2500	0.0137	0.030	0.0138 0.50
71:	24	13	11	23	13	10	128291.1730	-0.0505	0.050	-0.0505 0.50
72:	24	13	12	23	13	11	128291.1730	-0.0505	0.050	-0.0505 0.50
73:	24	3	21	23	3	20	128326.5380	0.0000	0.030	
74:	24	2	22	23	2	21	129177.5300	0.0097	0.030	
75:	24	1	23	23	1	22	129469.4380	-0.0010	0.030	
76:	25	1	25	24	1	24	131050.4380	0.0046	0.030	
77:	25	0	25	24	0	24	131843.7720	0.0018	0.030	
78:	25	2	24	24	2	23	133091.2910	-0.0007	0.030	
79:	25	6	20	24	6	19	133483.7470	0.0027	0.030	0.0023 0.50
80:	25	6	19	24	6	18	133483.7470	0.0018	0.030	0.0023 0.50
81:	25	7	18	24	7	17	133488.3980	0.0445	0.030	0.0445 0.50
82:	25	7	19	24	7	18	133488.3980	0.0445	0.030	0.0445 0.50
83:	25	5	20	24	5	19	133491.6200	-0.0428	0.030	0.0018 0.50
84:	25	5	21	24	5	20	133491.6200	0.0464	0.030	0.0018 0.50
85:	25	8	17	24	8	16	133500.7880	0.0220	0.030	0.0221 0.50
86:	25	8	18	24	8	17	133500.7880	0.0220	0.030	0.0221 0.50
87:	25	9	17	24	9	16	133518.8170	-0.0027	0.030	-0.0028 0.50
88:	25	9	16	24	9	15	133518.8170	-0.0027	0.030	-0.0028 0.50

89:	25	4	22	24	4	21	133521.4260	0.0131	0.030		
90:	25	4	21	24	4	20	133526.4950	-0.0085	0.030		
91:	25	10	15	24	10	14	133541.3100	-0.0819	0.030	-0.0820	0.50
92:	25	10	16	24	10	15	133541.3100	-0.0819	0.030	-0.0820	0.50
93:	25	3	23	24	3	22	133546.9610	-0.0028	0.030		
94:	25	11	14	24	11	13	133567.8400	-0.0042	0.030	-0.0042	0.50
95:	25	11	15	24	11	14	133567.8400	-0.0042	0.030	-0.0042	0.50
96:	25	12	13	24	12	12	133597.7850	-0.0005	0.030	-0.0006	0.50
97:	25	12	14	24	12	13	133597.7850	-0.0005	0.030	-0.0006	0.50
98:	25	14	11	24	14	10	133667.1330	-0.0567	0.050	-0.0568	0.50
99:	25	14	12	24	14	11	133667.1330	-0.0567	0.050	-0.0568	0.50
100:	25	3	22	24	3	21	133695.9030	-0.0250	0.030		
101:	25	2	23	24	2	22	134620.0300	-0.0044	0.030		
102:	25	1	24	24	1	23	134810.1970	-0.0049	0.030		
103:	26	1	26	25	1	25	136260.3000	-0.0064	0.030		
104:	26	0	26	25	0	25	137018.3560	0.0016	0.030		
105:	26	2	25	25	2	24	138383.2760	0.0047	0.030		
106:	26	6	21	25	6	20	138820.2910	-0.0212	0.030	-0.0220	0.50
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329:	32	10	22	31	10	21	170879.2080	-0.0007	0.030	-0.0008	0.50
330:	32	11	22	31	11	21	170910.4890	-0.0169	0.030	-0.0170	0.50
331:	32	11	21	31	11	20	170910.4890	-0.0169	0.030	-0.0170	0.50
332:	32	3	30	31	3	29	170914.3470	-0.0021	0.030		
333:	32	4	29	31	4	28	170926.4400	0.0049	0.030		
334:	32	12	21	31	12	20	170946.8730	-0.0156	0.030	-0.0156	0.50
335:	32	12	20	31	12	19	170946.8730	-0.0156	0.030	-0.0156	0.50
336:	32	4	28	31	4	27	170954.6750	0.0046	0.030		
337:	32	13	19	31	13	18	170987.8270	-0.0169	0.030	-0.0169	0.50
338:	32	13	20	31	13	19	170987.8270	-0.0169	0.030	-0.0169	0.50
339:	32	14	18	31	14	17	171033.0260	0.0029	0.030	0.0029	0.50
340:	32	14	19	31	14	18	171033.0260	0.0029	0.030	0.0029	0.50
341:	32	15	18	31	15	17	171082.1730	-0.0031	0.030	-0.0032	0.50
342:	32	15	17	31	15	16	171082.1730	-0.0031	0.030	-0.0032	0.50
343:	32	16	17	31	16	16	171135.1100	-0.0052	0.030	-0.0052	0.50
344:	32	16	16	31	16	15	171135.1100	-0.0052	0.030	-0.0052	0.50
345:	32	20	12	31	20	11	171382.0890	-0.0162	0.030	-0.0163	0.50
346:	32	20	13	31	20	12	171382.0890	-0.0162	0.030	-0.0163	0.50
347:	32	3	29	31	3	28	171398.8040	0.0174	0.030		
348:	32	21	11	31	21	10	171452.0880	-0.0687	0.050	-0.0688	0.50
349:	32	21	12	31	21	11	171452.0880	-0.0687	0.050	-0.0688	0.50
350:	32	22	10	31	22	9	171525.4000	0.0391	0.050	0.0392	0.50
351:	32	22	11	31	22	10	171525.4000	0.0391	0.050	0.0392	0.50
352:	32	1	31	31	1	30	171962.9850	0.0020	0.030		
353:	33	1	33	32	1	32	172650.5920	0.0009	0.030		
354:	32	2	30	31	2	29	172701.6220	0.0025	0.030		
355:	33	0	33	32	0	32	173132.8870	0.0058	0.030		
356:	33	2	32	32	2	31	175321.2560	0.0092	0.030		

357:	33	7	27	32	7	26	176158.8010	0.0132	0.030	0.0131	0.50
358:	33	7	26	32	7	25	176158.8010	0.0129	0.030	0.0131	0.50
359:	33	6	28	32	6	27	176166.2130	0.0088	0.030	-0.0013	0.50
360:	33	6	27	32	6	26	176166.2130	-0.0115	0.030	-0.0013	0.50
361:	33	8	25	32	8	24	176166.5700	0.0311	0.030	0.0311	0.50
362:	33	8	26	32	8	25	176166.5700	0.0311	0.030	0.0311	0.50
363:	33	9	24	32	9	23	176184.5150	0.0077	0.030	0.0077	0.50
364:	33	9	25	32	9	24	176184.5150	0.0077	0.030	0.0077	0.50
365:	33	5	29	32	5	28	176199.1630	0.0515	0.030		
366:	33	5	28	32	5	27	176200.1720	-0.0261	0.030		
367:	33	10	23	32	10	22	176210.1380	0.0024	0.030	0.0025	0.50
368:	33	10	24	32	10	23	176210.1380	0.0024	0.030	0.0025	0.50
369:	33	11	22	32	11	21	176241.9980	0.0151	0.030	0.0152	0.50
370:	33	11	23	32	11	22	176241.9980	0.0151	0.030	0.0152	0.50
371:	33	3	31	32	3	30	176246.1770	0.0101	0.030		
372:	33	4	30	32	4	29	176270.1210	0.0124	0.030		
373:	33	12	21	32	12	20	176279.1690	-0.0090	0.030	-0.0090	0.50
374:	33	12	22	32	12	21	176279.1690	-0.0090	0.030	-0.0090	0.50
375:	33	4	29	32	4	28	176305.0110	0.0107	0.030		
376:	33	13	21	32	13	20	176321.1550	-0.0063	0.030	-0.0063	0.50
377:	33	13	20	32	13	19	176321.1550	-0.0063	0.030	-0.0063	0.50
378:	33	15	18	32	15	17	176418.0970	0.0158	0.030	0.0158	0.50
379:	33	15	19	32	15	18	176418.0970	0.0158	0.030	0.0158	0.50
380:	33	16	17	32	16	16	176472.5520	0.0089	0.030	0.0089	0.50
381:	33	16	18	32	16	17	176472.5520	0.0089	0.030	0.0089	0.50
382:	33	18	15	32	18	14	176592.6410	-0.0161	0.030	-0.0162	0.50
383:	33	18	16	32	18	15	176592.6410	-0.0161	0.030	-0.0162	0.50
384:	33	19	15	32	19	14	176658.1060	0.0394	0.030	0.0395	0.50
385:	33	19	14	32	19	13	176658.1060	0.0394	0.030	0.0395	0.50
386:	33	21	12	32	21	11	176799.1430	0.0511	0.050	0.0512	0.50
387:	33	21	13	32	21	12	176799.1430	0.0511	0.050	0.0512	0.50
388:	33	3	30	32	3	29	176804.5400	0.0389	0.050		
389:	33	22	11	32	22	10	176874.5020	-0.0321	0.050	-0.0322	0.50
390:	33	22	12	32	22	11	176874.5020	-0.0321	0.050	-0.0322	0.50
391:	33	1	32	32	1	31	177232.6420	0.0153	0.030		
392:	33	1	33	32	0	32	177807.6070	-0.0201	0.050		
393:	34	1	34	33	1	33	177838.5030	0.0097	0.030		
394:	33	2	31	32	2	30	178129.4240	0.0143	0.030		
395:	34	0	34	33	0	33	178283.4890	0.0193	0.030		