

SPECTRA FileName: h 11-23-2011

1	I	926.226	15	H
2	I	930.748	20	H
3	I	937.803	30	H
4	I	949.743	50	H
5	I	972.537	100	H
6	I	1025.722	300	H
7	I	1215.668	1000	H
8	I	1215.674	500	H
9	I	3835.384	5	H
10	I	3889.049	6	H
11	I	3970.072	8	H
12	I	4101.740	15	H
13	I	4340.470	30	H
14	I	4861.330	80	H
15	I	6562.720	122	H
16	I	6562.852	180	H
17	I	9545.970	5	H
18	I	10049.400	7	H
19	I	10938.100	12	H
20	I	12818.100	20	H
21	I	18751.000	40	H
22	I	21655.301	5	H
23	I	26251.500	8	H
24	I	40511.602	15	H
25	I	46525.102	4	H
26	I	74578.000	6	H
27	I	123685.000	3	H

ABOVE

Hydrogen Spectra Values
from CRC Handbook

next pg are deheterodyned
Results of H using Harmonic
Divisors 1-15

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ELEMENT: h-h15

Tolerance; .25

11-23-2011

Count	FUND	Ele.	PickLo	Ele.	PickHi	Ele.	EQU	Error	HarmL_H
1	949.743	H	926.226	H	930.748	H	F2	0.0187	6 8
2	949.743	H	926.226	H	930.748	H	F2	0.1130	8 12
3	972.537	H	926.226	H	937.803	H	F2	-0.1759	6 11
4	972.537	H	926.226	H	937.803	H	F2	0.1649	7 15
5	930.748	H	926.226	H	937.803	H	F2	-0.1007	9 8
6	930.748	H	926.226	H	937.803	H	F2	0.0516	13 11
7	937.803	H	926.226	H	949.743	H	F2	0.1815	1 1
8	937.803	H	926.226	H	949.743	H	ADD	0.1815	2 2
9	1025.722	H	926.226	H	949.743	H	F2	0.2266	4 12
10	972.537	H	926.226	H	949.743	H	F2	0.1949	7 11
11	937.803	H	926.226	H	949.743	H	F2	0.0769	13 10
12	937.803	H	926.226	H	972.537	H	F2	0.0005	10 6
13	930.748	H	926.226	H	1025.722	H	F2	-0.1617	14 4
14	1025.722	H	926.226	H	3970.072	H	ADD	-0.1511	5 4
15	926.226	H	926.226	H	3970.072	H	ADD	0.1064	5 7
16	3889.049	H	926.226	H	3970.072	H	F2	0.1443	9 15
17	3835.384	H	926.226	H	3970.072	H	F2	0.1426	15 12
18	930.748	H	926.226	H	4340.470	H	F1	-0.0014	3 2
19	1215.668	H	926.226	H	4340.470	H	ADD	-0.0773	15 1
20	1215.674	H	926.226	H	4340.470	H	ADD	-0.0833	15 1
21	926.226	H	926.226	H	4861.330	H	ADD	-0.2261	6 8
22	926.226	H	926.226	H	4861.330	H	ADD	-0.1938	7 4
23	1025.722	H	926.226	H	9545.970	H	ADD	0.1230	10 13
24	949.743	H	926.226	H	9545.970	H	ADD	0.1255	12 6
25	1215.668	H	926.226	H	12818.100	H	F1	-0.0170	7 5
26	1215.674	H	926.226	H	12818.100	H	F1	-0.0229	7 5
27	937.803	H	926.226	H	21655.301	H	F1	0.2176	10 11
28	1025.722	H	930.748	H	937.803	H	F2	0.2197	3 7
29	972.537	H	930.748	H	937.803	H	F2	0.2009	6 11
30	926.226	H	930.748	H	937.803	H	F2	-0.0913	7 6
31	926.226	H	930.748	H	937.803	H	F2	-0.0255	15 11
32	1025.722	H	930.748	H	949.743	H	F2	0.0004	3 6
33	1025.722	H	930.748	H	949.743	H	ADD	0.0002	10 1
34	926.226	H	930.748	H	949.743	H	F2	-0.0439	13 8
35	937.803	H	930.748	H	949.743	H	F2	-0.2052	15 11
36	949.743	H	930.748	H	972.537	H	F2	-0.0790	8 6
37	937.803	H	930.748	H	972.537	H	F2	0.2267	10 6
38	949.743	H	930.748	H	972.537	H	F2	-0.1355	10 7
39	949.743	H	930.748	H	972.537	H	F2	-0.2109	15 9
40	1215.668	H	930.748	H	1025.722	H	F2	0.0027	2 12
41	1215.674	H	930.748	H	1025.722	H	F2	-0.0033	2 12
42	1215.674	H	930.748	H	1215.668	H	F2	-0.2251	10 13
43	1215.668	H	930.748	H	1215.674	H	F2	-0.2133	10 13
44	926.226	H	930.748	H	3970.072	H	F1	-0.1900	7 2
45	1215.668	H	930.748	H	9545.970	H	ADD	0.1200	9 6
46	1215.674	H	930.748	H	9545.970	H	ADD	0.1140	9 6
47	930.748	H	930.748	H	10049.400	H	ADD	-0.2231	12 10
48	926.226	H	930.748	H	10938.100	H	ADD	-0.2203	13 11
49	1025.722	H	930.748	H	12818.100	H	F1	0.1462	11 6
50	926.226	H	930.748	H	12818.100	H	ADD	-0.0900	15 13
51	926.226	H	930.748	H	21655.301	H	F1	-0.0659	8 11
52	937.803	H	930.748	H	21655.301	H	F1	-0.0085	10 11
53	3970.072	H	930.748	H	46525.102	H	ADD	0.0945	12 10
54	3889.049	H	930.748	H	46525.102	H	ADD	0.0542	13 3
55	1025.722	H	937.803	H	949.743	H	F2	0.1812	2 3

56	926.226 H	937.803 H	949.743 H	F2	0.2274	13	8
57	1025.722 H	937.803 H	972.537 H	F2	0.0729	5	12
58	949.743 H	937.803 H	972.537 H	F2	0.2172	10	7
59	930.748 H	937.803 H	972.537 H	F2	-0.1806	12	6
60	949.743 H	937.803 H	972.537 H	F2	0.0243	15	9
61	949.743 H	937.803 H	1025.722 H	F2	-0.1360	9	4
62	1215.674 H	937.803 H	1215.668 H	F2	0.1277	10	13
63	1215.668 H	937.803 H	1215.674 H	F2	0.1394	10	13
64	1025.722 H	937.803 H	3835.384 H	ADD	0.1099	4	14
65	1215.668 H	937.803 H	3889.049 H	ADD	-0.0758	14	1
66	1215.674 H	937.803 H	3889.049 H	ADD	-0.0818	14	1
67	949.743 H	937.803 H	3970.072 H	F1	0.1476	11	2
68	937.803 H	937.803 H	4101.740 H	ADD	-0.2296	5	8
69	3970.072 H	937.803 H	4101.740 H	F2	-0.1626	12	12
70	972.537 H	937.803 H	4340.470 H	ADD	-0.2426	5	9
71	930.748 H	937.803 H	4340.470 H	ADD	-0.1337	5	15
72	6562.852 H	937.803 H	6562.720 H	F2	0.0039	1	7
73	6562.852 H	937.803 H	6562.720 H	F2	-0.0640	2	14
74	937.803 H	937.803 H	6562.720 H	ADD	-0.2375	8	8
75	937.803 H	937.803 H	6562.720 H	ADD	-0.1357	14	2
76	6562.720 H	937.803 H	6562.852 H	F2	0.1948	2	14
77	937.803 H	937.803 H	6562.852 H	ADD	-0.2211	8	8
78	937.803 H	937.803 H	6562.852 H	ADD	-0.1263	14	2
79	937.803 H	937.803 H	10938.100 H	ADD	-0.2097	14	6
80	1025.722 H	937.803 H	12818.100 H	F1	-0.1744	11	6
81	6562.720 H	937.803 H	18751.000 H	ADD	0.2144	3	3
82	6562.852 H	937.803 H	18751.000 H	ADD	0.0825	3	3
83	3835.384 H	937.803 H	18751.000 H	ADD	0.0708	5	11
84	926.226 H	937.803 H	21655.301 H	F1	0.2385	3	10
85	3835.384 H	937.803 H	26251.500 H	ADD	0.0850	7	11
86	1215.668 H	949.743 H	1025.722 H	ADD	0.0027	1	5
87	1215.674 H	949.743 H	1025.722 H	ADD	-0.0033	1	5
88	1215.668 H	949.743 H	1215.674 H	F2	-0.2408	11	14
89	930.748 H	949.743 H	4101.740 H	ADD	-0.1276	9	2
90	972.537 H	949.743 H	4101.740 H	F1	0.1346	9	2
91	1025.722 H	949.743 H	4340.470 H	F1	0.0366	8	2
92	1025.722 H	949.743 H	6562.720 H	F1	0.2258	7	3
93	1025.722 H	949.743 H	6562.852 H	F1	0.2478	7	3
94	1025.722 H	949.743 H	10938.100 H	F1	0.2491	7	5
95	4340.470 H	949.743 H	12818.100 H	ADD	0.0684	3	14
96	949.743 H	949.743 H	12818.100 H	ADD	-0.2287	15	10
97	930.748 H	949.743 H	26251.500 H	F1	-0.2202	6	13
98	937.803 H	972.537 H	1025.722 H	F2	0.2262	12	4
99	1215.674 H	972.537 H	1215.668 H	F2	-0.0056	4	5
100	1215.668 H	972.537 H	1215.668 H	ADD	0.0026	5	1
101	1215.674 H	972.537 H	1215.668 H	ADD	-0.0034	5	1
102	1215.674 H	972.537 H	1215.668 H	F2	-0.0059	8	10
103	1215.674 H	972.537 H	1215.668 H	F2	-0.0059	12	15
104	1215.668 H	972.537 H	1215.674 H	F2	0.0057	4	5
105	1215.668 H	972.537 H	1215.674 H	ADD	0.0038	5	1
106	1215.674 H	972.537 H	1215.674 H	ADD	-0.0022	5	1
107	1215.668 H	972.537 H	1215.674 H	F2	0.0059	8	10
108	1215.668 H	972.537 H	1215.674 H	F2	0.0059	12	15
109	926.226 H	972.537 H	3835.384 H	F1	0.2021	15	2
110	3970.072 H	972.537 H	3889.049 H	ADD	0.0217	1	12
111	3970.072 H	972.537 H	3889.049 H	F2	0.0676	2	12
112	972.537 H	972.537 H	3889.049 H	ADD	-0.2198	5	5
113	972.537 H	972.537 H	3889.049 H	ADD	-0.1832	6	3
114	972.537 H	972.537 H	3889.049 H	ADD	-0.1373	8	2
115	3889.049 H	972.537 H	3970.072 H	F2	0.0183	8	14

116	937.803 H	972.537 H	4340.470 H	ADD	-0.2420	5	14
117	3835.384 H	972.537 H	4340.470 H	F2	-0.0674	13	4
118	4101.740 H	972.537 H	4340.470 H	F2	-0.1313	15	8
119	3889.049 H	972.537 H	4861.330 H	F2	0.0828	2	2
120	972.537 H	972.537 H	4861.330 H	ADD	-0.2258	6	6
121	937.803 H	972.537 H	4861.330 H	ADD	-0.1930	7	4
122	972.537 H	972.537 H	4861.330 H	ADD	-0.1355	10	2
123	1025.722 H	972.537 H	6562.720 H	ADD	0.2219	7	11
124	1215.668 H	972.537 H	6562.720 H	ADD	-0.2084	9	2
125	1215.674 H	972.537 H	6562.720 H	ADD	-0.2144	9	2
126	972.537 H	972.537 H	6562.720 H	ADD	-0.2116	9	4
127	1025.722 H	972.537 H	6562.852 H	ADD	0.2407	7	11
128	1215.668 H	972.537 H	6562.852 H	ADD	-0.1937	9	2
129	1215.674 H	972.537 H	6562.852 H	ADD	-0.1997	9	2
130	972.537 H	972.537 H	6562.852 H	ADD	-0.1970	9	4
131	4861.330 H	972.537 H	9545.970 H	ADD	0.0674	2	11
132	1215.668 H	972.537 H	10049.400 H	F1	-0.0153	12	4
133	1215.674 H	972.537 H	10049.400 H	F1	-0.0212	12	4
134	3970.072 H	972.537 H	10938.100 H	ADD	0.1401	3	3
135	3889.049 H	972.537 H	10938.100 H	ADD	0.1184	3	4
136	1215.668 H	972.537 H	10938.100 H	ADD	-0.1929	15	2
137	1215.674 H	972.537 H	10938.100 H	ADD	-0.1989	15	2
138	972.537 H	972.537 H	10938.100 H	ADD	-0.1961	15	4
139	3889.049 H	972.537 H	18751.000 H	ADD	0.0847	5	7
140	949.743 H	972.537 H	21655.301 H	F1	-0.1446	14	11
141	3889.049 H	972.537 H	26251.500 H	F1	-0.0676	1	3
142	4861.330 H	972.537 H	26251.500 H	ADD	0.1885	6	2
143	3889.049 H	972.537 H	26251.500 H	ADD	0.0991	7	7
144	4340.470 H	972.537 H	26251.500 H	F1	0.0464	14	3
145	3889.049 H	972.537 H	40511.602 H	F1	0.0215	3	5
146	3970.072 H	972.537 H	40511.602 H	F1	0.0435	6	5
147	949.743 H	1025.722 H	1215.668 H	ADD	-0.0016	2	3
148	1215.674 H	1025.722 H	1215.668 H	F2	-0.1387	11	13
149	949.743 H	1025.722 H	1215.674 H	ADD	0.0013	2	3
150	1215.668 H	1025.722 H	1215.674 H	F2	-0.1270	11	13
151	4861.330 H	1025.722 H	3835.384 H	ADD	-0.2241	1	1
152	937.803 H	1025.722 H	3835.384 H	ADD	0.2275	5	6
153	3835.384 H	1025.722 H	3889.049 H	F2	0.2473	6	14
154	3889.049 H	1025.722 H	3970.072 H	F2	-0.0266	10	15
155	949.743 H	1025.722 H	3970.072 H	F1	0.0366	12	2
156	1025.722 H	1025.722 H	4101.740 H	ADD	-0.2296	5	5
157	1025.722 H	1025.722 H	4101.740 H	ADD	-0.1913	6	3
158	3970.072 H	1025.722 H	4101.740 H	F2	-0.1528	7	10
159	1025.722 H	1025.722 H	4101.740 H	ADD	-0.1434	8	2
160	3970.072 H	1025.722 H	4101.740 H	F2	0.2131	13	12
161	949.743 H	1025.722 H	4861.330 H	ADD	-0.1694	8	3
162	1025.722 H	1025.722 H	6562.720 H	ADD	-0.2377	8	5
163	1025.722 H	1025.722 H	6562.852 H	ADD	-0.2211	8	5
164	930.748 H	1025.722 H	10049.400 H	ADD	-0.0505	12	11
165	926.226 H	1025.722 H	10049.400 H	ADD	0.1646	15	4
166	1025.722 H	1025.722 H	10938.100 H	ADD	-0.2446	12	9
167	10938.100 H	1025.722 H	12818.100 H	F2	0.0811	2	3
168	1025.722 H	1025.722 H	12818.100 H	ADD	-0.2284	15	6
169	937.803 H	1025.722 H	21655.301 H	F1	-0.0948	11	11
170	3889.049 H	1025.722 H	40511.602 H	ADD	-0.2212	12	2
171	3835.384 H	1025.722 H	46525.102 H	ADD	-0.0996	13	4
172	1215.668 H	1215.668 H	1215.674 H	ADD	0.0029	2	2
173	1215.674 H	1215.668 H	1215.674 H	ADD	-0.0031	2	2
174	972.537 H	1215.668 H	1215.674 H	F2	0.0019	10	2
175	3970.072 H	1215.668 H	3889.049 H	ADD	0.0215	1	15

176	3835.384 H	1215.668 H	3889.049 H	F2	0.0093	8	15
177	3889.049 H	1215.668 H	3970.072 H	F2	0.0576	3	7
178	972.537 H	1215.668 H	3970.072 H	ADD	-0.1612	7	3
179	3889.049 H	1215.668 H	3970.072 H	F2	0.0181	10	14
180	972.537 H	1215.668 H	4101.740 H	ADD	-0.2305	5	8
181	930.748 H	1215.668 H	4101.740 H	ADD	0.1154	5	11
182	949.743 H	1215.668 H	4101.740 H	ADD	-0.0973	12	2
183	4101.740 H	1215.668 H	4340.470 H	F2	0.0884	2	4
184	926.226 H	1215.668 H	4340.470 H	ADD	-0.2030	6	6
185	1215.668 H	1215.668 H	4861.330 H	ADD	-0.2236	6	3
186	1215.674 H	1215.668 H	4861.330 H	ADD	-0.2296	6	3
187	4340.470 H	1215.668 H	4861.330 H	F2	0.0269	7	4
188	937.803 H	1215.668 H	4861.330 H	ADD	-0.1937	7	5
189	1215.668 H	1215.668 H	4861.330 H	ADD	-0.1677	8	2
190	1215.674 H	1215.668 H	4861.330 H	ADD	-0.1737	8	2
191	4101.740 H	1215.668 H	4861.330 H	F2	0.0210	12	3
192	3889.049 H	1215.668 H	6562.720 H	F2	0.1450	1	1
193	3889.049 H	1215.668 H	6562.720 H	ADD	0.1450	2	2
194	972.537 H	1215.668 H	6562.720 H	ADD	-0.2385	8	8
195	930.748 H	1215.668 H	6562.720 H	ADD	0.1073	8	11
196	972.537 H	1215.668 H	6562.720 H	ADD	-0.2123	9	5
197	3889.049 H	1215.668 H	6562.852 H	F2	0.2109	1	1
198	3889.049 H	1215.668 H	6562.852 H	ADD	0.2109	2	2
199	972.537 H	1215.668 H	6562.852 H	ADD	-0.2220	8	8
200	930.748 H	1215.668 H	6562.852 H	ADD	0.1238	8	11
201	972.537 H	1215.668 H	6562.852 H	ADD	-0.1976	9	5
202	930.748 H	1215.668 H	9545.970 H	ADD	-0.1763	12	9
203	949.743 H	1215.668 H	10049.400 H	F1	-0.0605	11	5
204	972.537 H	1215.668 H	10049.400 H	ADD	-0.0128	12	9
205	930.748 H	1215.668 H	10049.400 H	ADD	0.2150	12	13
206	1215.674 H	1215.668 H	10049.400 H	F1	-0.0211	15	4
207	4861.330 H	1215.668 H	10938.100 H	F1	-0.1143	1	1
208	3889.049 H	1215.668 H	10938.100 H	ADD	0.1177	3	5
209	1215.668 H	1215.668 H	10938.100 H	ADD	-0.2427	12	4
210	1215.674 H	1215.668 H	10938.100 H	ADD	-0.2487	12	4
211	972.537 H	1215.668 H	10938.100 H	ADD	-0.1968	15	5
212	4861.330 H	1215.668 H	18751.000 H	ADD	0.0869	4	7
213	10938.100 H	1215.668 H	21655.301 H	ADD	0.0664	2	11
214	930.748 H	1215.668 H	21655.301 H	F1	0.0585	4	10
215	937.803 H	1215.668 H	21655.301 H	F1	-0.2276	13	11
216	3889.049 H	1215.668 H	26251.500 H	ADD	0.2224	8	2
217	4861.330 H	1215.668 H	40511.602 H	F1	0.0088	3	4
218	3970.072 H	1215.674 H	3889.049 H	ADD	0.0220	1	15
219	3835.384 H	1215.674 H	3889.049 H	F2	0.0098	8	15
220	3889.049 H	1215.674 H	3970.072 H	F2	0.0586	3	7
221	972.537 H	1215.674 H	3970.072 H	ADD	-0.1592	7	3
222	3889.049 H	1215.674 H	3970.072 H	F2	0.0183	10	14
223	972.537 H	1215.674 H	4101.740 H	ADD	-0.2297	5	8
224	930.748 H	1215.674 H	4101.740 H	ADD	0.1158	5	11
225	949.743 H	1215.674 H	4101.740 H	ADD	-0.0943	12	2
226	4101.740 H	1215.674 H	4340.470 H	F2	0.0898	2	4
227	926.226 H	1215.674 H	4340.470 H	ADD	-0.2020	6	6
228	1215.668 H	1215.674 H	4861.330 H	ADD	-0.2217	6	3
229	1215.674 H	1215.674 H	4861.330 H	ADD	-0.2277	6	3
230	4340.470 H	1215.674 H	4861.330 H	F2	0.0273	7	4
231	937.803 H	1215.674 H	4861.330 H	ADD	-0.1924	7	5
232	1215.668 H	1215.674 H	4861.330 H	ADD	-0.1648	8	2
233	1215.674 H	1215.674 H	4861.330 H	ADD	-0.1708	8	2
234	4101.740 H	1215.674 H	4861.330 H	F2	0.0215	12	3
235	3889.049 H	1215.674 H	6562.720 H	F2	0.1479	1	1

236	3889.049 H	1215.674 H	6562.720 H	ADD	0.1479	2	2
237	972.537 H	1215.674 H	6562.720 H	ADD	-0.2377	8	8
238	930.748 H	1215.674 H	6562.720 H	ADD	0.1078	8	11
239	972.537 H	1215.674 H	6562.720 H	ADD	-0.2111	9	5
240	3889.049 H	1215.674 H	6562.852 H	F2	0.2139	1	1
241	3889.049 H	1215.674 H	6562.852 H	ADD	0.2139	2	2
242	972.537 H	1215.674 H	6562.852 H	ADD	-0.2213	8	8
243	930.748 H	1215.674 H	6562.852 H	ADD	0.1243	8	11
244	972.537 H	1215.674 H	6562.852 H	ADD	-0.1964	9	5
245	930.748 H	1215.674 H	9545.970 H	ADD	-0.1756	12	9
246	949.743 H	1215.674 H	10049.400 H	F1	-0.0609	11	5
247	972.537 H	1215.674 H	10049.400 H	ADD	-0.0121	12	9
248	930.748 H	1215.674 H	10049.400 H	ADD	0.2155	12	13
249	1215.668 H	1215.674 H	10049.400 H	F1	-0.0154	15	4
250	4861.330 H	1215.674 H	10938.100 H	F1	-0.1172	1	1
251	3889.049 H	1215.674 H	10938.100 H	ADD	0.1189	3	5
252	1215.668 H	1215.674 H	10938.100 H	ADD	-0.2412	12	4
253	1215.674 H	1215.674 H	10938.100 H	ADD	-0.2472	12	4
254	972.537 H	1215.674 H	10938.100 H	ADD	-0.1956	15	5
255	4861.330 H	1215.674 H	18751.000 H	ADD	0.0874	4	7
256	10938.100 H	1215.674 H	21655.301 H	ADD	0.0664	2	11
257	930.748 H	1215.674 H	21655.301 H	F1	0.0578	4	10
258	937.803 H	1215.674 H	21655.301 H	F1	-0.2278	13	11
259	3889.049 H	1215.674 H	26251.500 H	ADD	0.2253	8	2
260	4861.330 H	1215.674 H	40511.602 H	F1	0.0078	3	4
261	926.226 H	3835.384 H	4340.470 H	ADD	-0.1288	8	10
262	937.803 H	3835.384 H	4340.470 H	F1	-0.2002	13	2
263	930.748 H	3835.384 H	6562.720 H	ADD	0.2304	13	9
264	930.748 H	3835.384 H	6562.852 H	ADD	0.2405	13	9
265	18751.000 H	3835.384 H	74578.000 H	ADD	-0.0156	5	1
266	6562.720 H	3889.049 H	4861.330 H	F2	0.0679	1	10
267	6562.852 H	3889.049 H	4861.330 H	F2	-0.0640	1	10
268	4861.330 H	3889.049 H	4861.330 H	ADD	-0.0151	5	1
269	3970.072 H	3889.049 H	4861.330 H	F2	0.0129	6	2
270	3970.072 H	3889.049 H	10938.100 H	ADD	0.0486	3	12
271	4861.330 H	3889.049 H	26251.500 H	ADD	0.0513	6	8
272	4861.330 H	3889.049 H	26251.500 H	ADD	0.0278	9	2
273	3889.049 H	3889.049 H	26251.500 H	ADD	0.0466	9	4
274	972.537 H	3970.072 H	9545.970 H	F1	0.1497	9	4
275	972.537 H	3970.072 H	10049.400 H	F1	0.0615	7	4
276	926.226 H	3970.072 H	12818.100 H	F1	0.1606	14	6
277	1215.668 H	3970.072 H	12818.100 H	ADD	-0.2124	15	11
278	1215.674 H	3970.072 H	12818.100 H	ADD	-0.2184	15	11
279	3970.072 H	3970.072 H	21655.301 H	ADD	0.0603	6	11
280	972.537 H	3970.072 H	26251.500 H	F1	0.1534	9	11
281	937.803 H	4101.740 H	4340.470 H	ADD	0.2204	9	9
282	4101.740 H	4101.740 H	6562.720 H	ADD	-0.0322	2	5
283	6562.852 H	4101.740 H	6562.720 H	F2	-0.1279	5	8
284	4101.740 H	4101.740 H	6562.852 H	ADD	0.0337	2	5
285	6562.720 H	4101.740 H	6562.852 H	F2	0.1274	5	8
286	4101.740 H	4101.740 H	10938.100 H	ADD	0.0420	3	9
287	4101.740 H	4101.740 H	10938.100 H	ADD	0.0313	4	3
288	10049.400 H	4101.740 H	10938.100 H	F2	-0.0234	10	5
289	10938.100 H	4101.740 H	12818.100 H	F2	0.0088	8	3
290	4101.740 H	4101.740 H	26251.500 H	ADD	0.0454	8	5
291	930.748 H	4340.470 H	6562.852 H	ADD	-0.2427	11	13
292	3970.072 H	4340.470 H	10049.400 H	ADD	-0.2048	3	7
293	930.748 H	4340.470 H	18751.000 H	F1	0.0523	9	8
294	4340.470 H	4340.470 H	40511.602 H	ADD	0.0547	10	15
295	4340.470 H	4340.470 H	40511.602 H	ADD	0.0391	14	3

296	3889.049 H	4340.470 H	46525.102 H	ADD	-0.1616	13	14
297	3889.049 H	4861.330 H	6562.720 H	ADD	-0.0227	2	8
298	3889.049 H	4861.330 H	6562.720 H	F2	-0.0227	4	1
299	3889.049 H	4861.330 H	6562.852 H	ADD	0.0432	2	8
300	3889.049 H	4861.330 H	6562.852 H	F2	0.0432	4	1
301	4861.330 H	4861.330 H	10938.100 H	ADD	0.0356	3	4
302	4340.470 H	4861.330 H	10938.100 H	ADD	0.0386	3	7
303	3970.072 H	4861.330 H	10938.100 H	ADD	0.0498	3	15
304	4340.470 H	4861.330 H	18751.000 H	ADD	0.0288	6	4
305	4340.470 H	4861.330 H	18751.000 H	F1	0.0420	7	2
306	972.537 H	4861.330 H	26251.500 H	F1	-0.2445	2	6
307	3889.049 H	4861.330 H	26251.500 H	F1	0.0679	5	3
308	3970.072 H	4861.330 H	26251.500 H	F1	0.0671	6	3
309	4861.330 H	4861.330 H	26251.500 H	ADD	0.0527	6	10
310	3889.049 H	4861.330 H	26251.500 H	ADD	0.0547	8	8
311	3889.049 H	4861.330 H	26251.500 H	ADD	0.0503	9	5
312	10938.100 H	4861.330 H	40511.602 H	ADD	0.0225	4	6
313	4861.330 H	4861.330 H	40511.602 H	ADD	0.0518	10	6
314	3889.049 H	4861.330 H	40511.602 H	F1	0.0667	15	5
315	9545.970 H	6562.720 H	6562.852 H	F2	-0.0693	1	11
316	6562.720 H	6562.720 H	6562.852 H	ADD	0.0659	2	2
317	6562.852 H	6562.720 H	6562.852 H	ADD	-0.0659	2	2
318	4101.740 H	6562.720 H	6562.852 H	ADD	0.0259	2	8
319	4101.740 H	6562.720 H	6562.852 H	F2	0.0259	4	1
320	4101.740 H	6562.720 H	6562.852 H	ADD	-0.0234	8	2
321	6562.720 H	6562.720 H	10938.100 H	ADD	0.1162	2	6
322	6562.852 H	6562.720 H	10938.100 H	ADD	-0.0156	2	6
323	6562.852 H	6562.720 H	10938.100 H	F2	-0.0156	3	1
324	937.803 H	6562.720 H	18751.000 H	F1	-0.2484	14	8
325	10938.100 H	6562.720 H	26251.500 H	ADD	-0.0264	3	3
326	6562.720 H	6562.720 H	26251.500 H	ADD	0.1240	5	5
327	6562.852 H	6562.720 H	26251.500 H	ADD	-0.0078	5	5
328	10938.100 H	6562.720 H	26251.500 H	ADD	-0.1289	6	1
329	6562.720 H	6562.720 H	26251.500 H	ADD	0.1030	6	3
330	6562.852 H	6562.720 H	26251.500 H	ADD	-0.0288	6	3
331	6562.720 H	6562.720 H	26251.500 H	ADD	0.0776	8	2
332	6562.852 H	6562.720 H	26251.500 H	ADD	-0.0542	8	2
333	4101.740 H	6562.720 H	26251.500 H	ADD	0.0371	8	8
334	4101.740 H	6562.720 H	26251.500 H	F1	0.0630	12	3
335	3970.072 H	6562.720 H	40511.602 H	F1	0.0916	3	4
336	6562.720 H	6562.852 H	10938.100 H	ADD	0.1382	2	6
337	6562.852 H	6562.852 H	10938.100 H	ADD	0.0063	2	6
338	6562.720 H	6562.852 H	10938.100 H	F2	0.1382	3	1
339	10938.100 H	6562.852 H	26251.500 H	ADD	0.0176	3	3
340	6562.720 H	6562.852 H	26251.500 H	ADD	0.1504	5	5
341	6562.852 H	6562.852 H	26251.500 H	ADD	0.0186	5	5
342	10938.100 H	6562.852 H	26251.500 H	ADD	0.0020	6	1
343	6562.720 H	6562.852 H	26251.500 H	ADD	0.1470	6	3
344	6562.852 H	6562.852 H	26251.500 H	ADD	0.0151	6	3
345	6562.720 H	6562.852 H	26251.500 H	ADD	0.1431	8	2
346	6562.852 H	6562.852 H	26251.500 H	ADD	0.0112	8	2
347	4101.740 H	6562.852 H	26251.500 H	ADD	0.0537	8	8
348	4101.740 H	6562.852 H	26251.500 H	F1	0.0576	12	3
349	3970.072 H	6562.852 H	40511.602 H	F1	0.0696	3	4
350	937.803 H	9545.970 H	10049.400 H	F1	0.1731	15	4
351	3889.049 H	9545.970 H	21655.301 H	ADD	0.0627	7	12
352	9545.970 H	9545.970 H	26251.500 H	ADD	0.0273	3	12
353	6562.720 H	9545.970 H	74578.000 H	ADD	0.1416	15	6
354	6562.852 H	9545.970 H	74578.000 H	ADD	0.0098	15	6
355	1215.668 H	10049.400 H	12818.100 H	F1	0.0791	13	4

356	1215.674 H	10049.400 H	12818.100 H	F1	0.0731	13	4
357	3970.072 H	10049.400 H	18751.000 H	F1	-0.1362	7	2
358	926.226 H	10049.400 H	26251.500 H	F1	-0.1664	13	10
359	1215.668 H	10049.400 H	46525.102 H	F1	0.1887	15	15
360	1215.674 H	10049.400 H	46525.102 H	F1	0.1827	15	15
361	10938.100 H	10938.100 H	18751.000 H	ADD	-0.0137	2	7
362	4340.470 H	10938.100 H	18751.000 H	ADD	0.0410	6	9
363	10938.100 H	10938.100 H	26251.500 H	ADD	0.0205	3	5
364	6562.720 H	10938.100 H	26251.500 H	ADD	0.1499	6	5
365	6562.852 H	10938.100 H	26251.500 H	ADD	0.0181	6	5
366	6562.720 H	10938.100 H	26251.500 H	ADD	0.1465	9	3
367	6562.852 H	10938.100 H	26251.500 H	ADD	0.0146	9	3
368	3970.072 H	10938.100 H	40511.602 H	F1	0.0681	5	4
369	949.743 H	10938.100 H	40511.602 H	F1	-0.0864	11	14
370	9545.970 H	12818.100 H	21655.301 H	F1	-0.1289	5	1
371	926.226 H	12818.100 H	21655.301 H	F1	-0.0397	15	8
372	949.743 H	12818.100 H	46525.102 H	F1	-0.2488	9	14
373	4340.470 H	12818.100 H	%123685.000 H	F1	-0.2349	5	11
374	937.803 H	18751.000 H	26251.500 H	F1	-0.2405	4	4
375	937.803 H	18751.000 H	26251.500 H	F1	-0.2458	10	7
376	6562.720 H	18751.000 H	26251.500 H	ADD	0.1367	14	4
377	6562.852 H	18751.000 H	26251.500 H	ADD	0.0049	14	4
378	926.226 H	18751.000 H	40511.602 H	F1	-0.2325	3	5
379	9545.970 H	21655.301 H	40511.602 H	ADD	0.0371	5	15
380	4861.330 H	21655.301 H	74578.000 H	F1	0.0469	8	6
381	3970.072 H	26251.500 H	40511.602 H	F1	0.0657	12	4
382	12818.100 H	40511.602 H	46525.102 H	ADD	0.0342	6	8
383	4340.470 H	74578.000 H	%123685.000 H	F1	-0.0669	11	8

ERROR AVERAGE: 0.11633