

Table S1: Rotational transitions of the main isotopologue of succinic acid

J	K-	K+	J	K-	K+	$\nu_{\text{obs.}}/\text{MHz}$	$\nu_{\text{calc.}}/\text{MHz}$	$\Delta\nu/\text{MHz}$
7	1	6	6	2	5	7427.54460	7427.54419	0.00041
2	1	2	1	0	1	7856.25050	7856.24989	0.00061
5	0	5	4	1	4	8799.97310	8799.97222	0.00088
10	2	8	10	1	9	8941.78610	8941.78523	0.00087
9	2	7	9	1	8	9024.35710	9024.35622	0.00088
8	2	6	8	1	7	9101.62620	9101.62776	-0.00156
7	2	5	7	1	6	9172.67290	9172.67270	0.00020
6	2	4	6	1	5	9236.66260	9236.66170	0.00090
5	2	3	5	1	4	9292.86680	9292.86620	0.00060
4	2	2	4	1	3	9340.66080	9340.66034	0.00046
3	2	1	3	1	2	9379.52130	9379.52207	-0.00077
2	2	0	2	1	1	9409.03060	9409.03369	-0.00309
2	2	1	2	1	2	9468.92320	9468.92240	0.00080
3	2	2	3	1	3	9499.00700	9499.00688	0.00012
4	2	3	4	1	4	9539.15430	9539.15085	0.00345
5	2	4	5	1	5	9589.37980	9589.38027	-0.00047
6	2	5	6	1	6	9649.72660	9649.72653	0.00007
7	2	6	7	1	7	9720.22420	9720.22570	-0.00150
8	2	7	8	1	8	9800.92130	9800.91775	0.00355
8	1	7	7	2	6	9875.70260	9875.70283	-0.00023
3	1	3	2	0	2	10196.21970	10196.21858	0.00112
6	0	6	5	1	5	11216.73870	11216.73869	0.00001
4	1	4	3	0	3	12526.31430	12526.31247	0.00183
7	0	7	6	1	6	13641.74150	13641.74319	-0.00169
2	2	1	1	1	0	14168.83013	14168.83169	-0.00156
2	2	0	1	1	1	14188.91812	14188.92235	-0.00423
5	1	5	4	0	4	14846.71375	14846.71333	0.00042
8	0	8	7	1	7	16074.44480	16074.44454	0.00026
3	2	2	2	1	1	16518.78630	16518.78721	-0.00091
6	1	6	5	0	5	17157.67732	17157.67642	0.00090
9	0	9	8	1	8	18514.23287	18514.23318	-0.00031
9	5	5	8	4	4	49643.43500	49643.43603	-0.00103
12	4	8	11	3	8	50458.15700	50458.08403	0.07297
15	3	13	14	2	12	51158.57800	51158.58574	-0.00774
7	6	2	6	5	1	51193.87800	51193.84339	0.03461

15	3	12	14	2	13	51334.46700	51334.44985	0.01715
J	K-	K+	J	K-	K+	$v_{\text{obs}}/\text{MHz}$	$v_{\text{calc}}/\text{MHz}$	$\Delta v/\text{MHz}$
10	5	6	9	4	5	52013.14500	52013.07272	0.07228
13	4	10	12	3	9	52825.94800	52825.93186	0.01614
9	9	1	9	8	2	53465.57600	53465.54463	0.03137
10	9	2	10	8	3	53466.18900	53466.17728	0.01172
11	9	3	11	8	4	53466.86800	53466.86090	0.00710
12	9	4	12	8	5	53467.58900	53467.59198	-0.00298
13	9	5	13	8	6	53468.37000	53468.36673	0.00327
14	9	6	14	8	7	53469.21400	53469.18103	0.03297
15	9	7	15	8	8	53470.06500	53470.03046	0.03454
16	9	8	16	8	9	53470.91800	53470.91030	0.00770
17	9	9	17	8	10	53471.80100	53471.81553	-0.01453
18	9	10	18	8	11	53472.71200	53472.74084	-0.02884
19	9	11	19	8	12	53473.77200	53473.68060	0.09140
20	9	12	20	8	13	53474.65900	53474.62891	0.03009
21	9	13	21	8	14	53475.58700	53475.57957	0.00743
22	9	14	22	8	15	53476.48300	53476.52612	-0.04312
23	9	15	23	8	16	53477.36500	53477.46178	-0.09678
24	9	16	24	8	17	53478.32700	53478.37952	-0.05252
25	9	17	25	8	18	53479.22600	53479.27202	-0.04602
26	9	18	26	8	19	53480.14100	53480.13169	0.00931
27	9	19	27	8	20	53480.93200	53480.95069	-0.01869
28	9	20	28	8	21	53481.73700	53481.72089	0.01611
16	3	14	15	2	13	53491.21500	53491.22985	-0.01485
11	5	7	10	4	6	54382.50400	54382.53332	-0.02932
14	4	11	13	3	10	55193.13700	55193.13414	0.00286
9	6	4	8	5	3	55933.82800	55933.81087	0.01713
7	7	1	6	6	0	57482.60900	57482.61899	-0.00999
15	4	12	14	3	11	57559.53500	57559.54918	-0.01418
10	6	5	9	5	4	58303.64100	58303.64630	-0.00530
13	5	9	12	4	8	59120.74600	59120.78574	-0.03974
8	7	2	7	6	1	59852.75000	59852.76233	-0.01233
11	6	6	10	5	5	60673.35900	60673.35273	0.00627
9	7	3	8	6	2	62222.85200	62222.83781	0.01419
17	4	14	16	3	13	62289.39800	62289.39063	0.00737
12	6	7	11	5	6	63042.96100	63042.90598	0.05502

^a $\Delta v = v_{\text{obs}} - v_{\text{calc}}$.

Table S2: Rotational transitions of the $^{13}\text{C}_2/^{13}\text{C}_3$ -isotopologue of succinic acid

J	K-	K+	J	K-	K+	$\nu_{\text{obs.}}/\text{MHz}$	$\nu_{\text{calc.}}/\text{MHz}$	$\Delta\nu/\text{MHz}$
5	0	5	4	1	4	8828.92600	8828.92601	-0.00001
4	2	2	4	1	3	9189.41340	9189.41488	-0.00148
2	1	2	1	0	1	7793.77810	7793.77881	-0.00071
3	2	1	3	1	2	9234.14010	9234.13733	0.00277
2	2	0	2	1	1	9268.17220	9268.17335	-0.00115
3	1	3	2	0	2	10122.88780	10122.88723	0.00057
6	6	1	5	5	0	48287.27300	48287.28874	-0.01574
6	6	0	5	5	1	48287.27300	48287.28874	-0.01574
9	5	5	8	4	4	49179.14100	49179.15571	-0.01471
9	5	4	8	4	5	49179.14100	49179.15636	-0.01536
7	6	2	6	5	1	50651.19100	50651.20023	-0.00923
7	6	1	6	5	2	50651.19100	50651.20023	-0.00923
10	5	6	9	4	5	51542.59400	51542.57540	0.01860
10	5	5	9	4	6	51542.59400	51542.57709	0.01691
13	4	10	12	3	9	52426.13300	52426.14166	-0.00866
13	4	9	12	3	10	52428.41000	52428.41921	-0.00921
8	6	3	7	5	2	53015.05500	53015.04662	0.00838
8	6	2	7	5	3	53015.05500	53015.04662	0.00838
11	5	7	10	4	6	53905.77300	53905.79672	-0.02372
11	5	6	10	4	7	53905.77300	53905.80065	-0.02765
14	4	11	13	3	10	54786.40200	54786.39968	0.00232
14	4	10	13	3	11	54790.04700	54790.04552	0.00148
9	6	4	8	5	3	55378.78900	55378.80554	-0.01654
9	6	3	8	5	4	55378.78900	55378.80554	-0.01654
12	5	8	11	4	7	56268.79700	56268.77808	0.01892
12	5	7	11	4	8	56268.79700	56268.78651	0.01049
7	7	1	6	6	0	56849.23800	56849.24334	-0.00534
7	7	0	6	6	1	56849.23800	56849.24334	-0.00534
15	4	12	14	3	11	57145.61300	57145.60618	0.00682
15	4	11	14	3	12	57151.23800	57151.24280	-0.00480
10	6	5	9	5	4	57742.45300	57742.45297	0.00003
10	6	4	9	5	5	57742.45300	57742.45297	0.00003
13	5	9	12	4	8	58631.48000	58631.47439	0.00561
13	5	8	12	4	9	58631.48000	58631.49125	-0.01125
8	7	2	7	6	1	59213.20700	59213.20986	-0.00286

8	7	1	7	6	2	59213.20700	59213.20986	-0.00286
J	K-	K+	J	K-	K+	$\nu_{\text{obs.}}/\text{MHz}$	$\nu_{\text{calc.}}/\text{MHz}$	$\Delta\nu/\text{MHz}$
11	6	6	10	5	5	60105.96900	60105.96317	0.00583
11	6	5	10	5	6	60105.96900	60105.96318	0.00582
14	5	10	13	4	9	60993.85200	60993.83686	0.01514
14	5	9	13	4	10	60993.85200	60993.86872	-0.01672
9	7	3	8	6	2	61577.11700	61577.10848	0.00852
9	7	2	8	6	3	61577.11700	61577.10848	0.00852
10	7	4	9	6	3	63940.92600	63940.91968	0.00632
10	7	3	9	6	4	63940.92600	63940.91968	0.00632
11	7	5	10	6	4	66304.62500	66304.62296	0.00204
11	7	4	10	6	5	66304.62500	66304.62296	0.00204
12	7	6	11	6	5	68668.21100	68668.19681	0.01419
12	7	5	11	6	6	68668.21100	68668.19681	0.01419
13	7	7	12	6	6	71031.61700	71031.61875	-0.00175
13	7	6	12	6	7	71031.61700	71031.61875	-0.00175

Table S3: Rotational transitions of the $^{13}\text{C}_1/^{13}\text{C}_4$ -isotopologue of succinic acid

J	K-	K+	J	K-	K+	$\nu_{\text{obs.}}/\text{MHz}$	$\nu_{\text{calc.}}/\text{MHz}$	$\Delta\nu/\text{MHz}$
5	0	5	4	1	4	8729.78820	8729.78773	0.00047
4	2	2	4	1	3	9357.42810	9357.42716	0.00094
2	1	2	1	0	1	7836.34400	7836.34411	-0.00011
3	2	1	3	1	2	9395.70650	9395.70637	0.00013
2	2	0	2	1	1	9424.76890	9424.76947	-0.00057
3	1	3	2	0	2	10164.04330	10164.04388	-0.00058
6	6	1	5	5	0	48803.39800	48803.39461	0.00339
6	6	0	5	5	1	48803.39800	48803.39461	0.00339
9	5	5	8	4	4	49574.70700	49574.72090	-0.01390
9	5	4	8	4	5	49574.70700	49574.72122	-0.01422
7	6	2	6	5	1	51160.76200	51160.75994	0.00206
7	6	1	6	5	2	51160.76200	51160.75994	0.00206
10	5	6	9	4	5	51931.64500	51931.63753	0.00747
10	5	5	9	4	6	51931.64500	51931.63838	0.00662
13	4	10	12	3	9	52696.27900	52696.26962	0.00938
13	4	9	12	3	10	52697.58700	52697.62805	-0.04105
8	6	3	7	5	2	53518.03500	53518.06230	-0.02730
8	6	2	7	5	3	53518.03500	53518.06230	-0.02730
9	6	4	8	5	3	55875.27700	55875.28145	-0.00445
9	6	3	8	5	4	55875.27700	55875.28145	-0.00445
12	5	8	11	4	7	56644.92600	56644.91732	0.00868
12	5	7	11	4	8	56644.92600	56644.92154	0.00446
7	7	1	6	6	0	57459.68800	57459.71916	-0.03116
7	7	0	6	6	1	57459.68800	57459.71916	-0.03116
10	6	5	9	5	4	58232.37900	58232.39595	-0.01695
10	6	4	9	5	5	58232.37900	58232.39595	-0.01695
8	7	2	7	6	1	59817.14800	59817.14028	0.00772
8	7	1	7	6	2	59817.14800	59817.14028	0.00772
13	5	9	12	4	8	59001.28100	59001.21042	0.07058
13	5	8	12	4	9	59001.28100	59001.21885	0.06215
11	6	6	10	5	5	60589.38300	60589.38317	-0.00017
11	6	5	10	5	6	60589.38300	60589.38318	-0.00018
14	5	10	13	4	9	61357.19500	61357.22147	-0.02647
9	7	3	8	6	2	62174.51600	62174.49460	0.02140

J	K-	K+	J	K-	K+	$\nu_{\text{obs.}}/\text{MHz}$	$\nu_{\text{calc.}}/\text{MHz}$	$\Delta\nu/\text{MHz}$
9	7	2	8	6	3	62174.51600	62174.49460	0.02140
10	7	4	9	6	3	64531.76600	64531.76389	0.00211
10	7	3	9	6	4	64531.76600	64531.76389	0.00211
8	8	1	7	7	0	66114.69500	66114.67842	0.01658
8	8	0	7	7	1	66114.69500	66114.67842	0.01658
11	7	5	10	6	4	66888.93800	66888.92926	0.00874
11	7	4	10	6	5	66888.93800	66888.92926	0.00874
12	7	6	11	6	5	69245.96100	69245.97107	-0.01007
12	7	5	11	6	6	69245.96100	69245.97107	-0.01007
13	7	7	12	6	6	71602.85900	71602.86901	-0.01001
13	7	6	12	6	7	71602.85900	71602.86901	-0.01001

Table S4: Rotational transitions of the $^{18}\text{O}_1/^{18}\text{O}_3$ -isotopologue of succinic acid

J	K-	K+	J	K-	K+	$\nu_{\text{obs.}}/\text{MHz}$	$\nu_{\text{calc.}}/\text{MHz}$	$\Delta\nu/\text{MHz}$
9	5	5	8	4	4	48375.11700	48375.12822	-0.01122
9	5	4	8	4	5	48375.11700	48375.12851	-0.01151
7	6	2	6	5	1	49748.67600	49748.65530	0.02070
7	6	1	6	5	2	49748.67600	49748.65530	0.02070
10	5	6	9	4	5	50718.54300	50718.55902	-0.01602
10	5	5	9	4	6	50718.54300	50718.55978	-0.01678
11	5	7	10	4	6	53061.80900	53061.81563	-0.00663
11	5	6	10	4	7	53061.80900	53061.81739	-0.00839
14	4	11	13	3	10	54023.81200	54023.78827	0.02373
14	4	10	13	3	11	54025.74600	54025.76880	-0.02280
9	6	4	8	5	3	54436.18000	54436.18396	-0.00396
9	6	3	8	5	4	54436.18000	54436.18396	-0.00396
12	5	8	11	4	7	55404.89100	55404.86544	0.02556
7	7	1	6	6	0	55808.26200	55808.26251	-0.00051
7	7	0	6	6	1	55808.26200	55808.26251	-0.00051
10	6	5	9	5	4	56779.78900	56779.79440	-0.00540
10	6	4	9	5	5	56779.78900	56779.79440	-0.00540
13	5	9	12	4	8	57747.68400	57747.67362	0.01038
13	5	8	12	4	9	57747.68400	57747.68116	0.00284
8	7	2	7	6	1	58152.17600	58152.17761	-0.00161
8	7	1	7	6	2	58152.17600	58152.17761	-0.00161
9	7	3	8	6	2	60496.03100	60496.01914	0.01186
9	7	2	8	6	3	60496.03100	60496.01914	0.01186
10	7	4	9	6	3	62839.77000	62839.76897	0.00103
10	7	3	9	6	4	62839.77000	62839.76897	0.00103
13	6	8	12	5	7	63809.74400	63809.74010	0.00390
13	6	7	12	5	8	63809.74400	63809.74012	0.00388
8	8	1	7	7	0	64210.50800	64210.49832	0.00968
8	8	0	7	7	1	64210.50800	64210.49832	0.00968
11	7	5	10	6	4	65183.39800	65183.40834	-0.01034
11	7	4	10	6	5	65183.39800	65183.40834	-0.01034
9	8	2	8	7	1	66554.44500	66554.45839	-0.01339
9	8	1	8	7	2	66554.44500	66554.45839	-0.01339
3	1	3	2	0	2	10007.12086	10007.12106	-0.00020
5	0	5	4	1	4	8777.24170	8777.24223	-0.00053

2	2	0	2	1	1	9066.82057	9066.81909	0.00148
J	K-	K+	J	K-	K+	$\nu_{\text{obs.}}/\text{MHz}$	$\nu_{\text{calc.}}/\text{MHz}$	$\Delta\nu/\text{MHz}$
3	2	1	3	1	2	9039.34820	9039.35037	-0.00217
2	1	2	1	0	1	7691.23640	7691.23490	0.00150

Table S5: Rotational transitions of the $^{18}\text{O}_2/^{18}\text{O}_4$ -isotopologue of succinic acid

J	K-	K+	J	K-	K+	$\nu_{\text{obs.}}/\text{MHz}$	$\nu_{\text{calc.}}/\text{MHz}$	$\Delta\nu/\text{MHz}$
11	5	6	10	4	7	53702.42700	53702.41860	0.00840
12	5	8	11	4	7	55994.61500	55994.58478	0.03022
12	5	7	11	4	8	55994.61500	55994.58744	0.02756
7	7	1	6	6	0	57185.97300	57185.98815	-0.01515
7	7	0	6	6	1	57185.97300	57185.98815	-0.01515
10	6	5	9	5	4	57738.06700	57738.07762	-0.01062
10	6	4	9	5	5	57738.06700	57738.07762	-0.01062
13	5	9	12	4	8	58286.53100	58286.53988	-0.00888
13	5	8	12	4	9	58286.53100	58286.54519	-0.01419
8	7	2	7	6	1	59478.92200	59478.95602	-0.03402
8	7	1	7	6	2	59478.92200	59478.95602	-0.03402
11	6	6	10	5	5	60030.63500	60030.64596	-0.01096
11	6	5	10	5	6	60030.63500	60030.64597	-0.01097
9	7	3	8	6	2	61771.87100	61771.86393	0.00707
9	7	2	8	6	3	61771.87100	61771.86393	0.00707
12	6	7	11	5	6	62323.05600	62323.07903	-0.02303
12	6	6	11	5	7	62323.05600	62323.07903	-0.02303
10	7	4	9	6	3	64064.68800	64064.69518	-0.00718
10	7	3	9	6	4	64064.68800	64064.69518	-0.00718
14	5	10	13	4	9	60578.24600	60578.24974	-0.00374
14	5	9	13	4	10	60578.24600	60578.25977	-0.01377
13	6	8	12	5	7	64615.36300	64615.35470	0.00830
13	6	7	12	5	8	64615.36300	64615.35471	0.00829
8	8	0	7	7	1	65803.72800	65803.72488	0.00312
8	8	1	7	7	0	65803.72800	65803.72488	0.00312
16	5	12	15	4	11	65160.80300	65160.79206	0.01094
16	5	11	15	4	12	65160.80300	65160.82321	-0.02021
11	7	5	10	6	4	66357.43800	66357.43255	0.00545
11	7	4	10	6	5	66357.43800	66357.43255	0.00545
14	6	9	13	5	8	66907.45900	66907.44994	0.00906
14	6	8	13	5	9	66907.45900	66907.44997	0.00903
9	8	2	8	7	1	68096.79500	68096.76367	0.03133
9	8	1	8	7	2	68096.79500	68096.76367	0.03133
5	0	5	4	1	4	8384.01550	8384.01485	0.00065
3	2	1	3	1	2	9442.84280	9442.84416	-0.00136
3	1	3	2	0	2	9990.54280	9990.54389	-0.00109
4	2	2	4	1	3	9408.51230	9408.51025	0.00205

2	1	2	1	0	1	7724.19900	7724.19874	0.00026
---	---	---	---	---	---	------------	------------	---------

Table S6: Rotational transitions of the D₁/D₂-isotopologue of succinic acid

J	K-	K+	F'	J	K-	K+	F''	$\nu_{\text{obs.}}/\text{MHz}$	$\nu_{\text{calc.}}/\text{MHz}$	$\Delta\nu/\text{MHz}$
5	0	5	6	4	1	4	5	8530.35340	8530.35222	0.00118
5	0	5	5	4	1	4	4	8530.32940	8530.33048	-0.00108
3	1	3	4	2	0	2	3	10022.26210	10022.26242	-0.00032
3	1	3	3	2	0	2	2	10022.28550	10022.28521	0.00029
2	1	2	3	1	0	1	2	7739.77960	7739.78028	-0.00068
2	1	2	2	1	0	1	1	7739.80650	7739.80576	0.00074
2	2	0	3	2	1	1	3	9397.42510	9397.42180	0.00330
2	2	0	3	2	1	1	2	9397.44360	9397.44832	-0.00472
2	2	0	1	2	1	1	1	9397.39890	9397.39847	0.00043
2	2	0	2	2	1	1	2	9397.46310	9397.46380	-0.00070
3	2	1	3	3	1	2	2	9366.16240	9366.16462	-0.00222
3	2	1	2	3	1	2	2	9366.16240	9366.16506	-0.00266
3	2	1	4	3	1	2	4	9366.17980	9366.17597	0.00383
3	2	1	3	3	1	2	4	9366.17980	9366.17564	0.00416
3	2	1	2	3	1	2	3	9366.20880	9366.20759	0.00121
3	2	1	4	3	1	2	3	9366.20880	9366.20748	0.00132
3	2	1	3	3	1	2	3	9366.20880	9366.20715	0.00165
4	2	2	5	4	1	3	5	9325.06160	9325.05994	0.00166
4	2	2	4	4	1	3	4	9325.08730	9325.08656	0.00074
4	2	2	3	4	1	3	3	9325.04940	9325.05310	-0.00370
4	2	2	4	4	1	3	5	9325.04940	9325.05275	-0.00335
14	3	12	15	13	2	11	14	48012.48400	48012.50503	-0.02103
6	6	1	7	5	5	0	6	48453.41400	48453.41423	-0.00023
6	6	0	7	5	5	1	6	48453.41400	48453.41423	-0.00023
9	5	5	10	8	4	4	9	49112.73400	49112.74813	-0.01413
9	5	4	10	8	4	5	9	49112.73400	49112.74857	-0.01457
12	4	9	13	11	3	8	12	49766.66600	49766.68368	-0.01768
12	4	8	13	11	3	9	12	49767.66500	49767.70671	-0.04171
15	3	13	16	14	2	12	15	50292.76600	50292.74965	0.01635
15	3	12	16	14	2	13	15	50490.68400	50490.67267	0.01133
7	6	2	8	6	5	1	7	50767.84800	50767.84583	0.00217
7	6	1	8	6	5	2	7	50767.84800	50767.84583	0.00217

10	5	6	11	9	4	5	10	51426.73400	51426.72620	0.00780
10	5	5	11	9	4	6	10	51426.73400	51426.72735	0.00665
13	4	10	14	12	3	9	13	52078.72900	52078.71906	0.00994
13	4	9	14	12	3	10	13	52080.43400	52080.42498	0.00902
16	3	14	17	15	2	13	16	52565.37100	52565.39401	-0.02301
16	3	13	17	15	2	14	16	52824.03900	52824.02946	0.00954
J	K-	K+	F'	J	K-	K+	F''	$\nu_{\text{obs.}}/\text{MHz}$	$\nu_{\text{calc.}}/\text{MHz}$	$\Delta\nu/\text{MHz}$
8	6	3	9	7	5	2	8	53082.21500	53082.21958	-0.00458
8	6	2	9	7	5	3	8	53082.21500	53082.21958	-0.00458
14	4	11	15	13	3	10	14	54390.02100	54390.03683	-0.01583
14	4	10	15	13	3	11	14	54392.76400	54392.76754	-0.00354
9	6	4	10	8	5	3	9	55396.51200	55396.51475	-0.00275
9	6	3	10	8	5	4	9	55396.51200	55396.51475	-0.00275
12	5	8	13	11	4	7	12	56054.13300	56054.11609	0.01691
12	5	7	13	11	4	8	12	56054.13300	56054.12180	0.01120
15	4	12	16	14	3	11	15	56700.49300	56700.48606	0.00694
15	4	11	16	14	3	12	15	56704.75500	56704.70781	0.04719
7	7	1	8	6	6	0	7	57049.95300	57049.94081	0.01219
7	7	0	8	6	6	1	7	57049.95300	57049.94081	0.01219
18	3	16	19	17	2	15	18	57084.25400	57084.24175	0.01225
18	3	15	19	17	2	16	18	57504.05900	57504.06807	-0.00907
13	5	9	14	12	4	8	13	58367.45700	58367.45210	0.00490
13	5	8	14	12	4	9	13	58367.45700	58367.46352	-0.00652
16	4	13	17	15	3	12	16	59009.86600	59009.89361	-0.02761
16	4	12	17	15	3	13	16	59016.22300	59016.22799	-0.00499
8	7	2	9	7	6	1	8	59364.42600	59364.43987	-0.01387
8	7	1	9	7	6	2	8	59364.42600	59364.43987	-0.01387
11	6	6	12	10	5	5	11	60024.78500	60024.77978	0.00522
14	5	10	15	13	4	9	14	60680.49200	60680.49338	-0.00138
14	5	9	15	13	4	10	14	60680.49200	60680.51496	-0.02296
9	7	3	10	8	6	2	9	61678.87500	61678.87855	-0.00355
15	5	11	14	14	4	10	15	62993.25800	62993.19537	0.06263
15	5	10	16	14	4	11	15	62993.25800	62993.23338	0.02462
16	5	12	17	15	4	11	16	65305.52700	65305.50688	0.02012
16	5	11	17	15	4	12	16	65305.52700	65305.57396	-0.04696
8	8	0	9	7	7	1	8	65645.07000	65645.06583	0.00417
8	8	1	9	7	7	0	8	65645.07000	65645.06583	0.00417
17	5	13	18	16	4	12	17	67617.43000	67617.37828	0.05172
17	5	12	18	16	4	13	17	67617.43000	67617.49004	-0.06004
18	5	14	19	17	4	13	18	69928.84400	69928.75285	0.09115

18	5	13	19	17	4	14	18	69928.84400	69928.93333	-0.08933
10	8	2	11	9	7	3	10	70274.15600	70274.15760	-0.00160
10	8	3	11	9	7	2	10	70274.15600	70274.15760	-0.00160