

Table S2. The observed and the obs.-calc. frequencies (MHz) of all assigned rotational transitions in toluene in order of increasing value of K-1.

TRANSITION							Observed	Obs-Calc	Error	Note	Blend components
! Errors also specify the spectrometer:											
! 0.002,0.004 = IFPAN FTMW											
! 0.005,0.01 = KIEL waveguide FT											
! 0.05 = IFPAN MMW											
! -----											
! Low-J aR0,1											
1.	1	0	1	0	0	0	4266.3395	0.0053	0.0040		
2.	2	0	2	1	0	1	8410.4988	0.0001	0.0020		
3.	3	0	3	2	0	2	12329.4745	0.0001	0.0020		
4.	4	0	4	3	0	3	15993.2737	-0.0002	0.0020		
5.	3	2	2	3	0	3	14976.8857	-0.0040	0.0050		
6.	5	0	5	4	0	4	19478.9282	0.0018	0.0050		
7.	4	2	3	4	0	4	15953.3002	-0.0001	0.0050		
8.	6	0	6	5	0	5	22902.2770	0.0009	0.0050		
9.	5	2	4	5	0	5	17535.0887	-0.0059	0.0050		
10.	7	0	7	6	0	6	26332.2052	0.0019	0.0050		
11.	6	2	5	6	0	6	19690.4802	0.0001	0.0050		
12.	8	2	7	8	0	8	25272.7876	0.0005	0.0100		
13.	47	0	47	46	0	46	166122.5690	0.0329	0.0500		
14.	48	0	48	47	0	47	169619.0860	0.0919	0.0500		
15.	49	0	49	48	0	48	173115.4600	0.0599	0.0500		
16.	59	0	59	58	0	58	208076.2780	-0.0754	0.0500		
17.E	64	0	64	63	0	63	225554.6030	0.1121	0.0500	--excl	
18.E	65	0	65	64	0	64	229050.0570	0.1433	0.0500	--excl	
19.	2	1	2	1	1	1	7764.0406	-0.0044	0.0020		
20.	2	1	1	1	1	0	9301.2799	-0.0028	0.0020		
21.	3	1	2	2	1	1	13868.4665	-0.0002	0.0020		
22.	3	1	3	2	1	2	11574.9374	0.0002	0.0020		
23.	4	1	4	3	1	3	15316.3559	0.0002	0.0020		
24.	3	1	2	3	1	3	4599.3872	0.0001	0.0020		
25.	4	1	3	3	1	2	18318.1440	0.0003	0.0020		
26.	4	1	3	4	1	4	7601.1758	0.0007	0.0020		
27.	5	1	4	4	1	3	22585.4151	0.0021	0.0050		
28.	5	1	5	4	1	4	18987.4131	0.0007	0.0050		
29.	6	1	5	5	1	4	26600.7842	0.0018	0.0050		
30.	5	1	4	5	1	5	11199.1733	-0.0025	0.0040		
31.E	5	3	3	5	1	4	24630.9440	-0.0260	0.0100	--excl	/blended
32.	6	1	6	5	1	5	22597.9042	0.0013	0.0050		
33.	6	1	5	6	1	6	15202.0546	-0.0007	0.0050		
34.	6	3	4	6	1	5	24013.5201	-0.0088	0.0100		
35.	7	1	7	6	1	6	26163.0410	-0.0004	0.0050		
36.	7	3	5	7	1	6	23966.2875	-0.0048	0.0100		
37.	8	1	7	8	1	8	23486.2807	0.0002	0.0100		
38.	8	3	6	8	1	7	24654.2837	0.0002	0.0100		
39.	9	3	7	9	1	8	26102.5281	-0.0026	0.0100		
40.	46	1	45	45	1	44	166124.5840	-0.0473	0.0500		
41.	47	1	46	46	1	45	169621.1350	0.1241	0.0500		
42.	48	1	47	47	1	46	173117.2720	-0.0716	0.0500		
43.	58	1	57	57	1	56	208077.8030	0.0331	0.0500		
44.	59	1	58	58	1	57	211573.5030	0.0105	0.0500		
45.	60	1	59	59	1	58	215069.1740	0.0222	0.0500		
46.	63	1	62	62	1	61	225555.7650	0.0274	0.0500		
47.	64	1	63	63	1	62	229051.1480	0.0165	0.0500		
48.	80	1	79	79	1	78	284967.2200	-0.0018	0.0500		
49.E	93	1	92	92	1	91	330382.8720	0.1031	0.0500	--excl	/blended
50.	3	2	1	2	2	0	13268.4949	-0.0027	0.0020		
51.	3	2	2	2	2	1	12798.9780	-0.0034	0.0050		
52.	4	2	3	3	2	2	16969.6845	-0.0001	0.0020		
53.	4	2	2	3	2	1	18040.6906	0.0016	0.0020		
54.	5	2	4	4	2	3	21060.7211	0.0005	0.0050		
55.	5	2	3	4	2	2	22905.2699	0.0019	0.0050		
56.	6	2	5	5	2	4	25057.6627	0.0011	0.0050		
57.	5	2	3	5	2	4	3507.2349	0.0003	0.0020		
58.	7	2	5	7	2	6	9583.2480	-0.0005	0.0050		
59.	8	2	6	8	2	7	13626.7634	-0.0046	0.0050		
60.	10	2	8	10	2	9	22758.9216	-0.0035	0.0050		
61.	45	2	43	44	2	42	166131.0700	-0.0235	0.0500		
62.	46	2	44	45	2	43	169627.1790	0.0206	0.0500		
63.	47	2	45	46	2	44	173123.2130	0.0144	0.0500		

64.	57	2	55	56	2	54	208081.5620	0.0040	0.0500
65.	58	2	56	57	2	55	211577.1290	-0.0055	0.0500
66.	59	2	57	58	2	56	215072.6770	0.0214	0.0500
67.	62	2	60	61	2	59	225558.8880	0.0200	0.0500
68.	63	2	61	62	2	60	229054.1520	0.0023	0.0500
69.	71	2	69	70	2	68	257013.9980	0.0191	0.0500
70.	79	2	77	78	2	76	284968.9710	-0.0257	0.0500
71.E	84	2	82	83	2	81	302438.0660	-0.0823	0.0500--excl
72.E	85	2	83	84	2	82	305931.6510	-0.0583	0.0500--excl
73.E	86	2	84	85	2	83	309425.1490	-0.0287	0.0500--excl
74.E	87	2	85	86	2	84	312918.5060	-0.0464	0.0500--excl
75.E	92	2	90	91	2	89	330383.8940	-0.0857	0.0500--excl
!									
76.	4	3	1	3	3	0	17349.6663	-0.0030	0.0050
77.	4	3	2	3	3	1	17276.9937	-0.0036	0.0050
78.	5	3	3	4	3	2	21638.4364	-0.0002	0.0050
79.	5	3	2	4	3	1	21883.4223	0.0032	0.0050
80.	6	3	3	5	3	2	26591.3467	0.0021	0.0050
81.	6	3	4	5	3	3	25983.3425	0.0012	0.0050
82.	10	3	7	10	3	8	10802.2396	0.0046	0.0050
83.	12	3	9	12	3	10	20180.3234	0.0043	0.0050
84.	44	3	41	43	3	40	166147.0540	-0.0922	0.0500
85.	45	3	42	44	3	41	169642.3470	0.0075	0.0500
86.	46	3	43	45	3	42	173137.5690	-0.0067	0.0500
87.	56	3	53	55	3	52	208090.4450	0.0170	0.0500
88.	57	3	54	56	3	53	211585.6060	-0.0216	0.0500
89.	58	3	55	57	3	54	215080.7770	-0.0163	0.0500
90.	61	3	58	60	3	57	225566.0450	-0.0091	0.0500
91.	62	3	59	61	3	58	229061.0800	0.0281	0.0500
92.	70	3	67	69	3	66	257019.0690	0.0067	0.0500
93.E	78	3	75	77	3	74	284972.9500	0.1326	0.0500--excl
94.E	83	3	80	82	3	79	302441.4880	0.1259	0.0500--excl
95.E	84	3	81	83	3	80	305934.9490	0.1346	0.0500--excl
96.E	85	3	82	84	3	81	309428.2690	0.0910	0.0500--excl
97.E	86	3	83	85	3	82	312921.6174	0.1659	0.0500--excl
98.E	91	3	88	90	3	87	330386.3840	-0.0364	0.0500--excl
!									
99.	5	4	2	4	4	1	21602.4263	0.0013	0.0050
100.	5	4	1	4	4	0	21610.5624	0.0003	0.0050
101.	6	4	3	5	4	2	26002.1409	0.0004	0.0050
102.	6	4	2	5	4	1	26038.0306	0.0009	0.0050
103.	10	2	8	9	4	5	10435.1666	0.0022	0.0100
104.	11	2	9	10	4	6	13741.2385	-0.0024	0.0100
105.	12	2	10	11	4	7	15229.1031	0.0161	0.0100
106.	13	2	11	12	4	8	14806.7501	0.0059	0.0100
107.	14	2	12	13	4	9	12630.6526	-0.0035	0.0100
108.	13	4	9	13	4	10	11441.3017	0.0012	0.0050
109.	14	4	10	14	4	11	16206.6671	-0.0011	0.0050
110.	15	4	11	15	4	12	21561.6830	0.0010	0.0050
111.	43	4	39	42	4	38	166181.2560	-0.0556	0.0500
112.	44	4	40	43	4	39	169674.4830	0.0261	0.0500
113.	45	4	41	44	4	40	173167.8100	-0.0109	0.0500
114.	55	4	51	54	4	50	208108.3240	-0.0038	0.0500
115.	56	4	52	55	4	51	211602.6850	-0.0295	0.0500
116.	57	4	53	56	4	52	215097.0940	-0.0242	0.0500
117.	60	4	56	59	4	55	225580.3490	-0.0085	0.0500
118.	61	4	57	60	4	56	229074.7780	0.0198	0.0500
119.	69	4	65	68	4	64	257029.0000	-0.0079	0.0500
120.E	77	4	73	76	4	72	284980.3900	0.1666	0.0500--excl
121.E	82	4	78	81	4	77	302447.5140	-0.0546	0.0500--excl
122.E	83	4	79	82	4	78	305940.7570	-0.0509	0.0500--excl
123.E	84	4	80	83	4	79	309433.8460	-0.1201	0.0500--excl
124.E	85	4	81	84	4	80	312926.9400	-0.1016	0.0500--excl
125.E	90	4	86	89	4	85	330391.8120	0.6933	0.0500--excl
!									
126.	6	5	1	5	5	0	25907.2399	0.0011	0.0050
127.	6	5	2	5	5	1	25906.4705	0.0005	0.0050
128.	13	3	10	12	5	7	15321.9580	0.0033	0.0100
129.	14	3	11	13	5	8	19692.9902	0.0039	0.0050
130.	15	3	12	14	5	9	22157.7171	-0.0060	0.0100
131.	16	3	13	15	5	10	22509.0012	0.0032	0.0100
132.	17	3	14	16	5	11	20825.7789	0.0004	0.0100
133.	16	5	11	16	5	12	11624.6829	0.0002	0.0050
134.	17	5	12	17	5	13	16625.1583	0.0008	0.0050
135.	42	5	37	41	5	36	166247.9780	-0.0679	0.0500
136.	43	5	38	42	5	37	169736.7660	0.0518	0.0500
137.	44	5	39	43	5	38	173226.0180	-0.0185	0.0500
138.	54	5	49	53	5	48	208141.1280	0.0163	0.0500
139.	56	5	51	55	5	50	215126.8010	-0.0163	0.0500
140.	59	5	54	58	5	53	225606.1580	0.0037	0.0500
141.	60	5	55	59	5	54	229099.3830	-0.0320	0.0500
142.	68	5	63	67	5	62	257046.6080	-0.0173	0.0500
143.	76	5	71	75	5	70	284993.2350	-0.0002	0.0500
144.E	81	5	76	80	5	75	302458.2250	-0.2264	0.0500--excl
145.E	82	5	77	81	5	76	305950.4160	-0.8996	0.0500--excl

146.E	83	5	78	82	5	77	309445.6270	1.5135	0.0500--excl	
147.E	84	5	79	83	5	78	312936.0330	-0.8095	0.0500--excl	
148.E	89	5	84	88	5	83	330400.4610	1.0917	0.0500--excl	
!										
149.	15	4	11	14	6	8	12999.4059	0.0050	0.0100	
150.	19	6	13	19	6	14	11452.1510	-0.0025	0.0050	
151.	20	6	14	20	6	15	16590.6044	0.0001	0.0050	
152.	21	6	15	21	6	16	22573.4742	0.0011	0.0050	
153.	23	4	19	22	6	16	15802.4417	-0.0125	0.0100	
154.	42	6	37	41	6	36	166247.9780	-0.0586	0.0500	
155.	43	6	37	42	6	36	173333.1960	-0.0349	0.0500	
156.	43	6	38	42	6	37	169736.7660	0.0561	0.0500	
157.	44	6	39	43	6	38	173226.0180	-0.0165	0.0500	
158.	51	6	45	50	6	44	201219.3000	-0.0239	0.0500	
159.	53	6	47	52	6	46	208197.6580	-0.0252	0.0500	
160.	54	6	48	53	6	47	211687.4810	-0.0029	0.0500	
161.	55	6	49	54	6	48	215177.6370	0.0011	0.0500	
162.	58	6	52	57	6	51	225649.8660	0.0457	0.0500	
163.	59	6	53	58	6	52	229140.9970	-0.0213	0.0500	
164.	67	6	61	66	6	60	257075.7300	-0.0483	0.0500	
165.E	75	6	69	74	6	68	285014.3600	-0.1690	0.0500--excl	
166.E	80	6	74	79	6	73	302476.0390	-0.1584	0.0500--excl	
167.E	81	6	75	80	6	74	305968.5090	0.0663	0.0500--excl	
168.E	82	6	76	81	6	75	309460.2950	-0.3527	0.0500--excl	
169.E	83	6	77	82	6	76	312952.2150	-0.5932	0.0500--excl	
170.E	88	6	82	87	6	81	330411.8760	-0.9360	0.0500--excl	
!										
171.	18	5	13	17	7	10	16125.9059	-0.0123	0.0100	
172.	22	7	15	22	7	16	11009.8539	-0.0011	0.0050	
173.	23	7	16	23	7	17	16186.0231	-0.0019	0.0050	
174.	40	7	33	39	7	32	166613.7510	-0.0049	0.0500	
175.	41	7	34	40	7	33	170068.9480	0.0000	0.0500	
176.	42	7	35	41	7	34	173529.8890	-0.0022	0.0500	
177.	43	7	37	42	7	36	173333.1960	0.0514	0.0500	
178.	53	7	46	52	7	45	211776.3670	-0.0147	0.0500	
179.	54	7	47	53	7	46	215261.5150	0.0109	0.0500	
180.	57	7	50	56	7	49	225720.8750	-0.0144	0.0500	
181.	58	7	51	57	7	50	229208.4390	-0.0161	0.0500	
182.	66	7	59	65	7	58	257121.8540	-0.0148	0.0500	
183.E	74	7	67	73	7	66	285046.4440	-1.2463	0.0500--excl	
184.E	79	7	72	78	7	71	302503.5090	-0.1662	0.0500--excl	
185.E	80	7	73	79	7	72	305994.7460	-0.1936	0.0500--excl	
186.E	81	7	74	80	7	73	309485.9980	-0.2099	0.0500--excl	
187.E	82	7	75	81	7	74	312977.0600	-0.4132	0.0500--excl	
188.E	87	7	80	86	7	79	330433.6820	0.1438	0.0500--excl	
!										
189.	25	8	17	25	8	18	10373.5939	-0.0003	0.0050	
190.	26	8	18	26	8	19	15489.5858	-0.0006	0.0050	
191.	39	8	31	38	8	30	167165.1410	-0.0003	0.0500	
192.	40	8	32	39	8	31	170529.1440	-0.0238	0.0500	
193.	40	8	33	39	8	32	166604.0330	-0.0376	0.0500	
194.	41	8	34	40	8	33	170063.8550	-0.0381	0.0500	
195.	42	8	35	41	8	34	173527.2530	-0.0285	0.0500	
196.	47	8	39	46	8	38	194575.1310	-0.0075	0.0500	
197.	48	8	40	47	8	39	198038.8320	0.0133	0.0500	
198.	51	8	43	50	8	42	208447.4780	-0.0754	0.0500	
199.	52	8	44	51	8	43	211921.6790	-0.0112	0.0500	
200.	53	8	45	52	8	44	215397.6110	-0.0090	0.0500	
201.	56	8	48	55	8	47	225834.1240	-0.0088	0.0500	
202.	57	8	49	56	8	48	229315.3690	0.0270	0.0500	
203.E	65	8	57	64	8	56	257193.5990	0.9871	0.0500--excl	
204.E	73	8	65	72	8	64	285097.7130	0.1188	0.0500--excl	/+ nearest
205.E	78	8	70	77	8	69	302544.4330	-0.2597	0.0500--excl	
206.E	79	8	71	78	8	70	306034.1380	-0.3035	0.0500--excl	
207.E	80	8	72	79	8	71	309523.9660	-0.3016	0.0500--excl	
208.E	81	8	73	80	8	72	313013.7650	-0.3943	0.0500--excl	
209.E	86	8	78	85	8	77	0.0000	-330464.2389	0.0500--excl	
!										
210.	28	9	19	28	9	20	9609.3591	0.0053	0.0050	
211.	29	9	20	29	9	21	14575.0694	-0.0004	0.0050	
212.	30	9	21	30	9	22	20800.9569	-0.0006	0.0050	
213.	37	9	28	36	9	27	166259.7780	-0.0602	0.0500	
214.	39	9	31	38	9	30	166989.4880	-0.0126	0.0500	
215.	40	9	32	39	9	31	170430.1300	-0.0031	0.0500	
216.	41	9	33	40	9	32	173869.1060	-0.0009	0.0500	
217.	46	9	37	45	9	36	194955.2820	0.0224	0.0500	
218.	47	9	39	46	9	38	194573.9370	0.0078	0.0500	
219.	48	9	40	47	9	39	198038.1320	-0.0688	0.0500	
220.	50	9	41	49	9	40	208706.4500	-0.0629	0.0500	
221.	51	9	42	50	9	41	212160.6700	-0.0229	0.0500	
222.	51	9	43	50	9	42	208447.4780	0.0032	0.0500	
223.	52	9	44	51	9	43	211921.6790	0.0278	0.0500	
224.	55	9	46	54	9	45	226013.5880	-0.0322	0.0500	
225.	56	9	47	55	9	46	229483.5250	-0.0100	0.0500	
226.E	72	9	63	71	9	62	285170.4840	-0.5102	0.0500--excl	/- nearest

227.E	77	9	68	76	9	67	302601.8700	-2.5105	0.0500	--excl
228.E	78	9	69	77	9	68	306090.7570	-1.0653	0.0500	--excl
229.E	80	9	71	79	9	70	313067.6450	0.3658	0.0500	--excl
!										
230.	26	8	18	25	10	15	12503.8790	-0.0225	0.0100	
231.	27	8	19	26	10	16	23081.7605	-0.0051	0.0100	
232.	30	8	23	29	10	20	10794.5711	0.0072	0.0100	
233.	31	8	24	30	10	21	11878.4435	-0.0027	0.0100	
234.	31	10	21	31	10	22	8772.9423	-0.0028	0.0050	
235.	33	8	26	32	10	23	11064.2479	-0.0080	0.0100	
236.	32	10	22	32	10	23	13510.8605	-0.0001	0.0050	
237.	33	10	23	33	10	24	19615.6080	0.0011	0.0050	
238.	39	10	30	38	10	29	170791.2620	-0.0005	0.0500	
239.	39	8	31	38	10	28	24222.9803	0.0044	0.0100	
240.	39	10	29	38	10	28	178439.5770	-0.0182	0.0500	
241.	45	10	35	44	10	34	195833.8270	-0.0111	0.0500	
242.	46	10	37	45	10	36	194929.4250	-0.0067	0.0500	
243.	50	10	40	49	10	39	212574.4050	0.0181	0.0500	
244.	50	10	41	49	10	40	208704.3750	-0.0661	0.0500	
245.	51	10	42	50	10	41	212159.5890	-0.0283	0.0500	
246.	54	10	44	53	10	43	226302.2440	0.0675	0.0500	
247.	55	10	45	54	10	44	229750.8880	0.0232	0.0500	
248.	55	10	46	54	10	45	226013.5880	0.0400	0.0500	
249.	56	10	47	55	10	46	229483.5250	0.0261	0.0500	
250.E	71	10	61	70	10	60	285277.0330	-0.4352	0.0500	--excl
251.E	76	10	66	75	10	65	302688.7140	-1.0681	0.0500	--excl
252.E	77	10	67	76	10	66	306173.4980	-0.2363	0.0500	--excl
!										
253.	29	9	20	28	11	17	13650.8851	-0.0021	0.0100	
254.	30	9	21	29	11	18	24660.7507	0.0064	0.0100	
255.	35	9	27	34	11	24	16924.0614	-0.0076	0.0100	
256.	35	11	24	35	11	25	12358.3524	-0.0028	0.0050	
257.	37	11	26	36	11	25	173013.6140	0.0161	0.0500	
258.	36	11	25	36	11	26	18249.3418	0.0001	0.0050	
259.E	38	9	30	37	11	27	12828.2663	0.0503	0.0100	--excl /blended
260.	38	11	28	37	11	27	169902.9770	-0.0405	0.0500	
261.	37	11	26	37	11	27	25492.7854	0.0010	0.0050	
262.	39	11	29	38	11	28	173878.7310	-0.0030	0.0500	
263.	43	11	32	42	11	31	196079.5220	0.0079	0.0500	
264.	45	11	35	44	11	34	195456.8260	0.0816	0.0500	
265.	50	11	40	49	11	39	212552.4060	0.0472	0.0500	
266.	53	11	42	52	11	41	226796.4720	-0.0074	0.0500	
267.	54	11	44	53	11	43	226300.4380	0.0651	0.0500	
268.	54	11	43	53	11	42	230196.2510	-0.0119	0.0500	
269.	55	11	45	54	11	44	229749.9910	0.0685	0.0500	
270.E	70	11	59	69	11	58	285431.2000	0.1795	0.0500	--excl
271.E	76	11	65	75	11	64	306289.8310	0.3688	0.0500	--excl
!										
272.	37	12	26	36	12	25	166158.0180	-0.0891	0.0500	
273.	38	12	27	37	12	26	170793.0880	-0.0044	0.0500	
274.	38	12	26	38	12	27	11170.4191	-0.0015	0.0050	
275.	39	12	27	39	12	28	16767.7625	0.0006	0.0050	
276.	40	12	28	40	12	29	23840.5301	0.0011	0.0050	
277.	44	12	33	43	12	32	195603.5350	-0.0263	0.0500	
278.	45	12	33	44	12	32	208348.5280	-0.0354	0.0500	
279.	49	12	38	48	12	37	213141.6730	-0.0003	0.0500	
280.	52	12	40	51	12	39	227870.6220	-0.0108	0.0500	
281.	53	12	42	52	12	41	226762.7370	0.0144	0.0500	
282.	53	12	41	52	12	40	231087.4510	0.0129	0.0500	
283.	54	12	43	53	12	42	230177.6450	0.0018	0.0500	
!										
284.	37	13	24	36	13	23	165920.4680	0.0268	0.0500	
285.	38	13	26	37	13	25	170217.4240	0.0063	0.0500	
286.	38	13	25	37	13	24	171172.2820	0.0007	0.0500	
287.	39	11	29	38	13	26	22473.1460	0.0168	0.0100	
288.	41	13	28	41	13	29	9990.3496	0.0009	0.0050	
289.	42	13	29	42	13	30	15230.6471	0.0004	0.0050	
290.	44	13	32	43	13	31	197868.9850	-0.0087	0.0500	
291.	43	13	30	43	13	31	22035.7108	0.0011	0.0050	
292.	45	13	33	44	13	32	202001.7560	0.0068	0.0500	
293.	47	13	34	46	13	33	219940.7350	-0.0254	0.0500	
294.	48	13	35	47	13	34	223279.4450	0.0203	0.0500	
295.	49	13	37	48	13	36	217056.4990	-0.0662	0.0500	
296.	50	13	37	49	13	36	228658.0360	0.0243	0.0500	
297.	50	13	38	49	13	37	220559.8730	-0.0063	0.0500	
298.	51	13	39	50	13	38	224009.2180	0.0814	0.0500	
299.	51	13	38	50	13	37	231126.2730	-0.0067	0.0500	
300.	52	13	39	51	13	38	233684.8390	-0.0130	0.0500	
301.	52	13	40	51	13	39	227424.6130	-0.0927	0.0500	
302.	53	13	41	52	13	40	230822.2310	0.0974	0.0500	
303.	54	13	42	53	13	41	234212.3550	0.0011	0.0500	
!										
304.	43	14	30	42	14	29	193468.9120	-0.0129	0.0500	
305.	43	14	29	42	14	28	195698.2460	0.0038	0.0500	
306.	44	14	31	43	14	30	198231.4210	-0.0066	0.0500	

307.	45	14	32	44	14	31	202895.2360	-0.0013	0.0500		
308.	44	14	30	44	14	31	8851.5421	0.0051	0.0050		
309.	45	14	31	45	14	32	13689.9471	0.0039	0.0050		
310.	47	14	34	46	14	33	211813.4700	0.0411	0.0500		
311.	46	14	32	46	14	33	20143.3869	-0.0010	0.0050		
312.	48	14	34	47	14	33	225368.4710	-0.0037	0.0500		
313.	48	14	35	47	14	34	216029.6300	0.0001	0.0500		
314.	49	14	35	48	14	34	230306.6610	-0.0104	0.0500		
315.E	49	14	36	48	14	35	220075.6230	-0.3190	0.0500	--excl	
316.E	50	14	37	49	14	36	223960.8900	0.3933	0.0500	--excl	
317.	50	14	36	49	14	35	234569.7510	-0.0144	0.0500		
318.	51	14	38	50	14	37	227700.9780	-0.0080	0.0500		
319.	52	14	39	51	14	38	231321.5570	-0.0164	0.0500		
320.E	53	14	40	52	14	39	234849.3570	0.1741	0.0500	--excl	
!											
321.	38	15	24	37	15	23	168244.7810	0.0194	0.0500		
322.	38	15	23	37	15	22	168260.0730	-0.0449	0.0500		
323.	39	15	24	38	15	23	173046.3260	-0.0388	0.0500		
324.	39	15	25	38	15	24	173014.8670	-0.0449	0.0500		
325.	40	15	26	39	15	25	177818.8960	0.0183	0.0500		
326.	43	15	29	42	15	28	192416.5750	0.0286	0.0500		
327.	43	15	28	42	15	27	192824.5750	0.0146	0.0500		
328.	44	15	30	43	15	29	197322.1330	0.0092	0.0500		
329.	44	15	29	43	15	28	198036.9960	0.0261	0.0500		
330.	45	15	30	44	15	29	203431.4570	-0.0039	0.0500		
331.	45	15	31	44	15	30	202223.9470	0.0077	0.0500		
332.	47	15	33	46	15	32	211917.9130	0.0331	0.0500		
333.	47	15	32	46	15	31	214940.1800	-0.0101	0.0500		
334.	48	15	34	47	15	33	216649.5310	-0.0062	0.0500		
335.	48	15	33	47	15	32	221059.9550	-0.0112	0.0500		
336.	49	15	34	48	15	33	227297.2250	-0.0186	0.0500		
337.	49	15	35	48	15	34	221262.2040	-0.0293	0.0500		
338.	48	15	33	48	15	34	12188.3439	0.0031	0.0050		
339.	50	15	36	49	15	35	225728.7370	-0.1219	0.0500		
340.	50	15	35	49	15	34	233440.3390	0.0910	0.0500		
341.	49	15	34	49	15	35	18223.3434	-0.0076	0.0050		
342.E	51	15	37	50	15	36	230030.5460	0.1455	0.0500	--excl	
343.E	50	15	35	50	15	36	25934.7992	0.0591	0.0050	--excl	
344.E	52	15	38	51	15	37	234158.4640	-0.0517	0.0500	--excl	
!											
345.	38	16	23	37	16	22	167506.3270	0.0064	0.0500		
346.	38	16	22	37	16	21	167507.6780	0.0059	0.0500		
347.	39	16	24	38	16	23	172199.9080	0.0201	0.0500		
348.	39	16	23	38	16	22	172202.9070	0.0245	0.0500		
349.	40	16	25	39	16	24	176922.3590	0.0008	0.0500		
350.	40	16	24	39	16	23	176928.8040	0.0056	0.0500		
351.	41	16	25	40	16	24	181689.1200	0.0075	0.0500		
352.	41	16	26	40	16	25	181675.6760	0.0165	0.0500		
353.	42	16	26	41	16	25	186488.8650	0.0202	0.0500		
354.	42	16	27	41	16	26	186461.6350	0.1018	0.0500		
355.	44	16	28	43	16	27	196238.1610	0.0307	0.0500		
356.	44	16	29	43	16	28	196134.6880	0.0018	0.0500		
357.	45	16	29	44	16	28	201213.1450	0.0188	0.0500		
358.	45	16	30	44	16	29	201020.2170	0.0256	0.0500		
359.	47	16	31	46	16	30	211476.9320	-0.0043	0.0500		
360.	47	16	32	46	16	31	210863.2150	0.0259	0.0500		
361.	48	16	33	47	16	32	215796.7470	0.0796	0.0500		
362.	49	16	34	48	16	33	220712.1510	-0.0973	0.0500		
363.	50	16	34	49	16	33	228254.0730	-0.0067	0.0500		
364.	50	16	35	49	16	34	225583.0780	0.0018	0.0500		
365.	51	16	35	50	16	34	234351.7010	-0.0468	0.0500		
366.	51	16	36	50	16	35	230378.0340	-0.0140	0.0500		
367.E	52	16	37	51	16	36	235063.8920	-0.9107	0.0500	--excl	
368.E	51	16	35	51	16	36	10758.6627	0.0169	0.0050	--excl	
369.E	52	16	36	52	16	37	16329.0464	1.1881	0.0050	--excl	
370.E	53	16	37	53	16	38	23635.9490	-0.1329	0.0050	--excl	
!											
371.B	38	17	22	37	17	21	166922.4020	-0.0028	0.0500	1.00000	166922.3558
372.B	38	17	21	37	17	20	166922.4020	-0.0028	0.0500	1.00000	166922.4538
373.B	39	17	22	38	17	21	171556.9060	-0.0069	0.0500	1.00000	171557.0299
374.B	39	17	23	38	17	22	171556.9060	-0.0069	0.0500	1.00000	171556.7959
375.	40	17	23	39	17	22	176215.0350	0.0341	0.0500		
376.	40	17	24	39	17	23	176214.4600	0.0009	0.0500		
377.	42	17	26	41	17	25	185606.0530	0.0210	0.0500		
378.	42	17	25	41	17	24	185608.7050	0.0114	0.0500		
379.	44	17	28	43	17	27	195111.5670	0.0221	0.0500		
380.	44	17	27	43	17	26	195123.2750	0.0265	0.0500		
381.E	45	17	28	44	17	27	199935.4000	0.0918	0.0500	--excl	
382.E	45	17	29	44	17	28	199911.8910	0.1612	0.0500	--excl	
383.	47	17	31	46	17	30	209613.5540	0.0189	0.0500		
384.	47	17	30	46	17	29	209701.9870	0.0128	0.0500		
385.	48	17	31	47	17	30	214679.2290	0.0471	0.0500		
386.	48	17	32	47	17	31	214514.5920	0.0163	0.0500		
387.E	49	17	33	48	17	32	219444.8720	-0.0808	0.0500	--excl	
388.E	49	17	32	48	17	31	219742.8910	-0.1769	0.0500	--excl	

389.E	50	17	34	49	17	33	224397.2730	0.1627	0.0500--excl		
390.E	50	17	33	49	17	32	224922.1340	0.3474	0.0500--excl		
391.E	51	17	35	50	17	34	229359.0150	0.5982	0.0500--excl		
392.E	51	17	34	50	17	33	230253.8070	-0.0233	0.0500--excl		
393.E	52	17	36	51	17	35	234310.1200	-0.1222	0.0500--excl		
394.E	54	17	37	54	17	38	9424.2137	0.2278	0.0050--excl		
395.E	55	17	38	55	17	39	14499.8365	-0.1361	0.0050--excl		
396.E	56	17	39	56	17	40	21333.4940	-0.2185	0.0050--excl		
!											
397.B	38	18	20	37	18	19	166450.1510	0.0287	0.0500	1.00000	166450.1253
398.B	38	18	21	37	18	20	166450.1510	0.0287	0.0500	1.00000	166450.1193
399.B	39	18	22	38	18	21	171039.1200	0.0218	0.0500	1.00000	171039.0905
400.B	39	18	21	38	18	20	171039.1200	0.0218	0.0500	1.00000	171039.1058
401.B	40	18	23	39	18	22	175647.2010	0.0244	0.0500	1.00000	175647.1575
402.B	40	18	22	39	18	21	175647.2010	0.0244	0.0500	1.00000	175647.1956
403.	43	18	26	42	18	25	189598.0180	0.0119	0.0500		
404.	43	18	25	42	18	24	189598.5440	0.0477	0.0500		
405.	44	18	27	43	18	26	194295.2340	0.0245	0.0500		
406.	44	18	26	43	18	25	194296.3280	0.0321	0.0500		
407.	45	18	28	44	18	27	199018.5580	-0.0447	0.0500		
408.	45	18	27	44	18	26	199020.9520	0.0042	0.0500		
409.E	46	18	28	45	18	27	203775.2120	0.2418	0.0500--excl		
410.E	46	18	29	45	18	28	203770.1980	0.1614	0.0500--excl		
411.E	47	18	29	46	18	28	208561.3850	-0.1750	0.0500--excl		
412.E	47	18	30	46	18	29	208551.4460	0.0070	0.0500--excl		
413.E	48	18	30	47	18	29	213384.8940	-0.0445	0.0500--excl		
414.E	48	18	31	47	18	30	213364.6720	-0.0129	0.0500--excl		
415.E	49	18	32	48	18	31	218211.3630	0.0081	0.0500--excl		
416.E	49	18	31	48	18	30	218250.8150	-0.0832	0.0500--excl		
417.E	50	18	33	49	18	32	223092.3750	0.0481	0.0500--excl		
418.E	50	18	32	49	18	31	223167.3750	-0.2743	0.0500--excl		
419.E	51	18	34	50	18	33	228002.9440	-4.2012	0.0500--excl	/down	
420.E	51	18	34	50	18	33	228010.6530	3.5078	0.0500--excl	/up	
421.E	51	18	33	50	18	32	228147.9270	0.8440	0.0500--excl		
422.E	52	18	35	51	18	34	232952.5250	-0.6052	0.0500--excl		
423.E	52	18	34	51	18	33	233206.3890	-0.1564	0.0500--excl		
424.E	57	18	39	57	18	40	8198.6780	-0.0275	0.0050--excl		
425.E	58	18	40	58	18	41	12772.4359	-0.2759	0.0050--excl		
426.E	59	18	41	59	18	42	19078.1852	-2.8469	0.0050--excl		
!											
427.	38	19	19	37	19	18	166060.3490	-0.0461	0.0500		
428.	39	19	20	38	19	19	170613.3620	0.0160	0.0500		
429.B	42	19	23	41	19	22	184372.4940	0.0156	0.0500	1.00000	184372.4858
430.B	42	19	24	41	19	23	184372.4940	0.0156	0.0500	1.00000	184372.4711
431.B	43	19	25	42	19	24	188995.3850	0.0333	0.0500	1.00000	188995.3338
432.B	43	19	24	42	19	23	188995.3850	0.0333	0.0500	1.00000	188995.3696
433.B	44	19	26	43	19	25	193638.2890	0.0407	0.0500	1.00000	193638.2059
434.B	44	19	25	43	19	24	193638.2890	0.0407	0.0500	1.00000	193638.2907
435.E	46	19	28	45	19	27	202989.3990	0.3627	0.0500--excl		
436.E	46	19	27	45	19	26	202989.3990	-0.0760	0.0500--excl		
437.E	47	19	28	46	19	27	207700.5050	-0.3324	0.0500--excl		
438.E	47	19	29	46	19	28	207699.7660	-0.1111	0.0500--excl		
439.E	48	19	30	47	19	29	212436.2440	-0.2670	0.0500--excl		
440.E	48	19	29	47	19	28	212438.4400	-0.1219	0.0500--excl		
441.E	49	19	30	48	19	29	217205.0220	-0.0066	0.0500--excl		
442.E	49	19	31	48	19	30	217200.7610	0.0085	0.0500--excl		
443.E	50	19	31	49	19	30	222003.1210	-0.1018	0.0500--excl		
444.E	50	19	32	49	19	31	221994.4520	-0.0636	0.0500--excl		
445.E	51	19	32	50	19	31	226835.8870	-1.1450	0.0500--excl		
446.E	51	19	33	50	19	32	226819.4960	-0.2147	0.0500--excl		
447.E	52	19	33	51	19	32	231713.8020	2.0873	0.0500--excl	/nearest	
448.E	61	19	42	61	19	43	11169.2173	0.1419	0.0050--excl		
449.E	62	19	43	62	19	44	16931.0426	8.8601	0.0050--excl		
450.E	63	19	44	63	19	45	24552.2131	-6.8114	0.0050--excl		
!											
451.	38	20	18	37	20	17	165733.5320	0.0004	0.0500		
452.	39	20	19	38	20	18	170257.2190	0.0441	0.0500		
453.	40	20	20	39	20	19	174794.8160	0.0605	0.0500		
454.B	42	20	22	41	20	21	183914.3700	0.0280	0.0500	1.00000	183914.3425
455.B	42	20	23	41	20	22	183914.3700	0.0280	0.0500	1.00000	183914.3416
456.B	43	20	24	42	20	23	188497.8170	0.0301	0.0500	1.00000	188497.7858
457.B	43	20	23	42	20	22	188497.8170	0.0301	0.0500	1.00000	188497.7881
458.B	44	20	24	43	20	23	193098.0990	0.0357	0.0500	1.00000	193098.0661
459.B	44	20	25	43	20	24	193098.0990	0.0357	0.0500	1.00000	193098.0604
460.B	45	20	26	44	20	25	197716.0400	-0.0222	0.0500	1.00000	197716.0552
461.B	45	20	25	44	20	24	197716.0400	-0.0222	0.0500	1.00000	197716.0691
462.E	46	20	26	45	20	25	202352.5330	-0.2480	0.0500--excl		
463.E	46	20	27	45	20	26	202352.5330	-0.2148	0.0500--excl		
464.E	47	20	28	46	20	27	207009.0710	-0.1462	0.0500--excl		
465.E	47	20	27	46	20	26	207009.0710	-0.2235	0.0500--excl		
466.E	48	20	29	47	20	28	211686.6230	-0.0357	0.0500--excl		
467.E	48	20	28	47	20	27	211686.6230	-0.2113	0.0500--excl		
468.E	49	20	29	48	20	28	216386.7420	-0.0466	0.0500--excl		
469.E	49	20	30	48	20	29	216386.3610	-0.0385	0.0500--excl		
470.E	50	20	30	49	20	29	221110.6850	-0.0699	0.0500--excl		

471.E	50	20	31	49	20	30	221109.8340	-0.0785	0.0500	--excl		
472.E	51	20	31	50	20	30	225860.2670	-0.3399	0.0500	--excl		
473.E	51	20	32	50	20	31	225858.6250	-0.1997	0.0500	--excl		
474.E	52	20	32	51	20	31	230638.9220	0.3239	0.0500	--excl		
475.E	52	20	33	51	20	32	230634.0870	-0.8248	0.0500	--excl		
476.E	64	20	44	64	20	45	9690.1307	-12.7069	0.0050	--excl		
477.E	65	20	45	65	20	46	14882.5027	-8.5049	0.0050	--excl		
478.E	66	20	46	66	20	47	21941.6462	-5.0167	0.0050	--excl		
!												
479.	38	21	17	37	21	16	165455.8190	0.0187	0.0500			
480.	39	21	18	38	21	17	169955.0850	-0.0183	0.0500			
481.	40	21	19	39	21	18	174466.6780	0.0447	0.0500			
482.B	42	21	22	41	21	21	183528.4240	-0.0231	0.0500		1.00000	183528.4471
483.B	42	21	21	41	21	20	183528.4240	-0.0231	0.0500		1.00000	183528.4471
484.B	43	21	23	42	21	22	188079.8550	0.0004	0.0500		1.00000	188079.8546
485.B	43	21	22	42	21	21	188079.8550	0.0004	0.0500		1.00000	188079.8547
486.B	44	21	23	43	21	22	192645.6370	-0.1092	0.0500		1.00000	192645.7464
487.B	44	21	24	43	21	23	192645.6370	-0.1092	0.0500		1.00000	192645.7461
488.E	45	21	25	44	21	24	197226.3600	-0.4338	0.0500	--excl		
489.E	45	21	24	44	21	23	197226.3600	-0.4346	0.0500	--excl		
490.E	46	21	25	45	21	24	201823.8600	0.1321	0.0500	--excl		
491.E	46	21	26	45	21	25	201823.8600	0.1342	0.0500	--excl		
492.E	47	21	26	46	21	25	206437.2120	-0.1278	0.0500	--excl		
493.E	47	21	27	46	21	26	206437.2120	-0.1224	0.0500	--excl		
494.E	48	21	27	47	21	26	211068.4230	-0.0757	0.0500	--excl		
495.E	48	21	28	47	21	27	211068.4230	-0.0628	0.0500	--excl		
496.E	49	21	29	48	21	28	215718.0890	-0.0422	0.0500	--excl		
497.E	49	21	28	48	21	27	215718.0890	-0.0725	0.0500	--excl		
498.E	51	21	31	50	21	30	225076.9250	-0.2883	0.0500	--excl		
499.E	51	21	30	50	21	29	225076.9250	-0.4445	0.0500	--excl		
500.E	67	21	46	67	21	47	8370.4152	-9.4589	0.0050	--excl		
501.E	68	21	47	68	21	48	13003.8104	-7.1107	0.0050	--excl		
502.E	69	21	48	69	21	49	19443.2900	-9.0897	0.0050	--excl		
!												
503.	38	22	16	37	22	15	165217.2740	0.0225	0.0500			
504.	39	22	17	38	22	16	169696.0400	0.0278	0.0500			
505.	40	22	18	39	22	17	174185.6290	-0.0026	0.0500			
506.	41	22	19	40	22	18	178686.5950	0.0671	0.0500			
507.B	42	22	21	41	22	20	183199.2100	0.0679	0.0500		1.00000	183199.1421
508.B	42	22	20	41	22	19	183199.2100	0.0679	0.0500		1.00000	183199.1421
509.B	43	22	22	42	22	21	187723.9000	-0.0410	0.0500		1.00000	187723.9410
510.B	43	22	21	42	22	20	187723.9000	-0.0410	0.1500		1.00000	187723.9410
511.B	44	22	23	43	22	22	192261.4210	0.0007	0.0500		1.00000	192261.4203
512.B	44	22	22	43	22	21	192261.4210	0.0007	0.0500		1.00000	192261.4203
513.B	45	22	23	44	22	22	196812.1170	0.0085	0.0500		1.00000	196812.1085
514.B	45	22	24	44	22	23	196812.1170	0.0085	0.0500		1.00000	196812.1085
515.B	46	22	24	45	22	23	201376.5760	0.0050	0.0500		1.00000	201376.5710
516.B	46	22	25	45	22	24	201376.5760	0.0050	0.0500		1.00000	201376.5709
517.B	47	22	26	46	22	25	205955.4000	-0.0151	0.0500		1.00000	205955.4150
518.B	47	22	25	46	22	24	205955.4000	-0.0151	0.0500		1.00000	205955.4153
519.B	48	22	26	47	22	25	210549.2250	-0.0714	0.0500		1.00000	210549.2968
520.B	48	22	27	47	22	26	210549.2250	-0.0714	0.0500		1.00000	210549.2960
521.E	49	22	27	48	22	26	215158.7250	-0.2007	0.0500	--excl		
522.E	49	22	28	48	22	27	215158.7250	-0.1986	0.0500	--excl		
523.E	51	22	29	50	22	28	224427.8370	-0.7543	0.0500	--excl		
524.E	51	22	30	50	22	29	224427.8370	-0.7424	0.0500	--excl		
525.E	71	22	49	71	22	50	11282.1249	-13.4729	0.0050	--excl		
526.E	72	22	50	72	22	51	17095.7688	-15.5675	0.0050	--excl		
527.E	73	22	51	73	22	52	24909.5127	-12.8014	0.0050	--excl		
!												
528.	38	23	15	37	23	14	165010.5140	0.0535	0.0500			
529.	40	23	17	39	23	16	173942.6140	0.0185	0.0500			
530.	41	23	18	40	23	17	178423.6950	0.0745	0.0500			
531.B	43	23	20	42	23	19	187417.3100	-0.1154	0.0500		1.00000	187417.4254
532.B	43	23	21	42	23	20	187417.3100	-0.1154	0.0500		1.00000	187417.4254
533.B	44	23	22	43	23	21	191930.8580	-0.1391	0.0500		1.00000	191930.9971
534.B	44	23	21	43	23	20	191930.8580	-0.1391	0.0500		1.00000	191930.9971
535.B	45	23	23	44	23	22	196456.1620	-0.0836	0.0500		1.00000	196456.2456
536.B	45	23	22	44	23	21	196456.1620	-0.0836	0.0500		1.00000	196456.2456
537.E	47	23	24	46	23	23	205543.2990	-0.3199	0.0500	--excl		
538.E	47	23	25	46	23	24	205543.2990	-0.3199	0.0500	--excl		
539.E	48	23	25	47	23	24	210106.0790	-0.6628	0.0500	--excl		
540.E	48	23	26	47	23	25	210106.0790	-0.6627	0.0500	--excl		
541.E	49	23	26	48	23	25	214681.9140	-1.6313	0.0500	--excl		
542.E	49	23	27	48	23	26	214681.9140	-1.6312	0.0500	--excl		
543.E	52	23	30	51	23	29	228501.9700	-0.2367	0.0500	--excl		
544.E	75	23	52	75	23	53	14939.1529	-8.6577	0.0050	--excl		
545.E	76	23	53	76	23	54	22078.5584	-9.9176	0.0050	--excl		
!												
546.B	38	24	14	37	24	13	164829.7730	0.0170	0.0500		1.00000	164829.7560
547.B	38	24	15	37	24	14	164829.7730	0.0170	0.0500		1.00000	164829.7560
548.B	40	24	17	39	24	16	173730.6600	0.0550	0.0500		1.00000	173730.6050
549.B	40	24	16	39	24	15	173730.6600	0.0550	0.0500		1.00000	173730.6050
550.B	41	24	17	40	24	16	178194.5940	0.0618	0.0500		1.00000	178194.5322
551.B	41	24	18	40	24	17	178194.5940	0.0618	0.0500		1.00000	178194.5322

552.E	42	24	18	41	24	17	182668.1140	0.2398	0.0500--excl		
553.E	42	24	19	41	24	18	182668.1140	0.2398	0.0500--excl		
554.E	43	24	19	42	24	18	187151.3640	0.4069	0.0500--excl		
555.E	44	24	20	43	24	19	191645.7380	1.6169	0.0500--excl		
556.E	47	24	23	46	24	22	205188.0660	0.3041	0.0500--excl		
557.E	48	24	24	47	24	23	209725.1900	0.1788	0.0500--excl		
558.E	49	24	25	48	24	24	214274.4190	0.0897	0.0500--excl		
559.E	52	24	28	51	24	27	227999.3840	-0.1881	0.0500--excl		
560.E	77	24	53	77	24	54	8357.7736	-15.6129	0.0050--excl		
561.E	78	24	54	78	24	55	12958.5753	-17.2090	0.0050--excl		
562.E	79	24	55	79	24	56	19412.6073	-19.4789	0.0050--excl		
!											
563.B	38	25	14	37	25	13	164670.6180 B	-0.1040	0.0500	1.00000	164670.7220
564.B	38	25	13	37	25	12	164670.6180 B	-0.1040	0.0500	1.00000	164670.7220
565.B	40	25	16	39	25	15	173544.2300 B	-0.0858	0.0500	1.00000	173544.3158
566.B	40	25	15	39	25	14	173544.2300 B	-0.0858	0.0500	1.00000	173544.3158
567.B	41	25	16	40	25	15	177993.3210 B	-0.0644	0.0500	1.00000	177993.3854
568.B	41	25	17	40	25	16	177993.3210 B	-0.0644	0.0500	1.00000	177993.3854
569.B	42	25	18	41	25	17	182450.9340 B	-0.0607	0.0500	1.00000	182450.9947
570.B	42	25	17	41	25	16	182450.9340 B	-0.0607	0.0500	1.00000	182450.9947
571.B	43	25	18	42	25	17	186917.3560 B	-0.0680	0.0500	1.00000	186917.4240
572.B	43	25	19	42	25	18	186917.3560 B	-0.0680	0.0500	1.00000	186917.4240
573.E	47	25	22	46	25	21	204877.6220	0.2707	0.0500--excl		
574.E	48	25	23	47	25	22	209392.8820	0.3750	0.0500--excl		
575.E	49	25	24	48	25	23	213919.0010	0.5641	0.0500--excl		
576.E	51	25	26	50	25	25	223005.6710	1.4880	0.0500--excl		
!											
577.B	38	26	13	37	26	12	164529.8610 B	-0.0031	0.0500	1.00000	164529.8641
578.B	38	26	12	37	26	11	164529.8610 B	-0.0031	0.0500	1.00000	164529.8641
579.B	40	26	15	39	26	14	173379.6040 B	0.0778	0.0500	1.00000	173379.5262
580.B	40	26	14	39	26	13	173379.6040 B	0.0778	0.0500	1.00000	173379.5262
581.B	41	26	15	40	26	14	177815.6900 B	0.1138	0.0500	1.00000	177815.5762
582.B	41	26	16	40	26	15	177815.6900 B	0.1138	0.0500	1.00000	177815.5762
583.E	42	26	16	41	26	15	182259.6810	0.2613	0.0500--excl		
584.E	42	26	17	41	26	16	182259.6810	0.2613	0.0500--excl		
585.E	43	26	18	42	26	17	186711.7380	0.4365	0.0500--excl		
586.E	43	26	17	42	26	16	186711.7380	0.4365	0.0500--excl		
587.E	47	26	21	46	26	20	204603.2500	-1.1601	0.0500--excl		
!											
588.E	40	27	13	39	27	12	173232.7460	-0.1372	0.0500--excl		
589.E	41	27	14	40	27	13	177657.3010	-0.1400	0.0500--excl		
590.E	42	27	15	41	27	14	182089.0470	-0.1016	0.0500--excl		
591.E	43	27	16	42	27	15	186528.1620	-0.0606	0.0500--excl		
592.E	47	27	20	46	27	19	204363.0200	0.2815	0.0500--excl		
593.E	48	27	21	47	27	20	208842.5790	0.4501	0.0500--excl		
594.E	49	27	22	48	27	21	213330.9710	0.6334	0.0500--excl		
!											
595.E	40	28	12	39	28	11	173101.0610	-0.6148	0.0500--excl		
596.E	41	28	13	40	28	12	177515.3790	-0.6461	0.0500--excl		
597.E	42	28	14	41	28	13	181936.2900	-0.6734	0.0500--excl		
598.E	48	28	20	47	28	19	208613.0180	0.8730	0.0500--excl		
599.E	49	28	21	48	28	20	213084.6190	-0.3010	0.0500--excl		