

Supplementary file for the paper:

Krzysztof Habdas and Zbigniew Kisiel,
"Electric Dipole Moments from Stark Effect in Supersonic Expansion:
n-propanol, n-butanol, and n-butyl cyanide"
Molecules 2023, 28, 1692. <https://doi.org/10.3390/molecules28041692>

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Table S2. This file concatenates output files resulting from fitting
rotational transition frequencies with constants in Watson's asymmetric
rotor Hamiltonian for the use as fixed parameters in
electric dipole moment determinations:

- 1/ The global fit of the literature Dreizler+Scappini, Z. Naturforsch. 36A, 1187 (1981)
data and of current measurements for the Aa conformer of n-propanol
(frequencies of A and E internal rotation components averaged when necessary).
- 1a/ Listing of frequencies measured for the A and E internal rotation
components of the rotational transitions for Aa n-propanol.
- 2/ The refit of Kawashima et al. J.Phys.Chem.A 125, 1166 (2021) data
for the TGt conformer of n-butanol
- 3/ The refit of Kawashima et al. J.Phys.Chem.A 125, 1166 (2021) data
for the GTg' conformer of n-butanol
- 4/ The refit of Ordu et al. Astron. & Astrophys. 541, A121 (2012) data
for the AA conformer of n-propyl cyanide
- 5/ The refit of Ordu et al. Astron. & Astrophys. 541, A121 (2012) data
for the GA conformer of n-propyl cyanide

NOTE: the various outputs are separated by three lines as below, so that the
text 'cut here' can be used to rapidly locate the different sections.

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ASFIT version 19a.V.2020

n-propanol, Aa or TT conformer, ground vibrational state

Fit of Watson's Hamiltonian --> reduction-A, representation-I.r :

A	=	26401.4764974393219745252	+-	0.0025350265485648334
B	=	3802.1531789144214599219	+-	0.0003565902873607968
C	=	3549.4583278831873940362	+-	0.0004838164905461915
DJ	=	0.0009788248112188652	+-	0.0000026775694140950
DJK	=	-0.0006577073339374337	+-	0.0000579831830411016
DK	=	0.1512803826900017412	+-	0.0005428756800322036
dJ	=	0.0001254751077300517	+-	0.0000009388589714995
dK	=	-0.0063189912092134490	+-	0.0001570881489515189
HJ	=	-0.0000000273188744555	+-	0.0000000049569926021
HKJ	=	-0.0001326856510995219	+-	0.0000025061301897575
hJ	=	-0.0000000075759732997	+-	0.0000000017632298045
hK	=	0.0003362441254898326	+-	0.0000185816956150952

Deviation of fit = 0.051455

Weighted deviation of fit = 1.060267

TRANSITION							Observed	Obs-Calc	Error	Note	Blend components
! H.Dreizler and F.Scappini, Z. Naturforsch. 36A, 1187-1191 (1981)											
1.	1	1	1	0	0	0	29950.8000	0.0321	0.0500		
2.	1	1	0	1	0	1	22851.9100	0.0293	0.0500		
3.	2	1	2	1	0	1	37049.7700	0.1334	0.0500		
4.	3	1	3	2	1	2	21674.3200	-0.0297	0.0500		
5.B	4	3	1	3	3	0	29410.1700 B	-0.2074	0.1500	1.0E+00	29410.4104
6.B	4	3	2	3	3	1	29410.1700 B	-0.2074	0.1500	1.0E+00	29410.3444
7.	4	2	3	3	2	2	29404.6500	0.0955	0.0500		
8.	4	1	4	3	1	3	28896.6500	0.0491	0.0500		
9.	4	0	4	3	0	3	29385.1100	-0.0123	0.0500		
10.	5	1	4	4	1	3	37379.9400	-0.0255	0.0500		
11.	5	1	5	4	1	4	36116.6500	-0.0649	0.0500		
12.	5	0	5	4	1	4	15227.3900	0.0243	0.0500		
13.	5	0	5	4	0	4	36715.4400	-0.0106	0.0500		
14.	6	0	6	5	1	5	23145.8500	-0.0072	0.0500		
15.	7	0	7	6	1	6	31153.9700	-0.0680	0.0500		

16.	10	1	9	9	2	8	12125.5900	0.0094	0.0500
17.	11	1	10	10	2	9	20798.2800	-0.0281	0.0500
18.	12	1	11	11	2	10	29577.2500	-0.0270	0.0500
19.	13	1	12	12	2	11	38458.3100	-0.0375	0.0500
20.	16	2	14	15	3	13	8490.9200	-0.0006	0.0500
21.	17	2	15	16	3	14	16936.5700	0.0106	0.0500
!									
22.	3	2	2	4	1	3	37510.4600	-0.1045	0.0500
23.	4	2	3	5	1	4	29535.1200	-0.0335	0.0500
24.	5	2	4	6	1	5	21438.2500	-0.0833	0.0500
25.	6	2	5	7	1	6	13221.7100	-0.0325	0.0500
26.	8	0	8	7	1	7	39240.5600	0.0410	0.0500
27.	10	3	8	11	2	9	31632.3400	-0.0815	0.0500
28.	11	3	9	12	2	10	23850.2100	-0.0448	0.0500
29.	12	3	10	13	2	11	15959.5900	-0.0109	0.0500
!									
30.	2	1	1	2	0	2	23106.7500	0.0414	0.0500
31.	3	1	2	3	0	3	23492.9200	0.0320	0.0500
32.	4	1	3	4	0	4	24015.1500	0.0278	0.0500
33.	5	1	4	5	0	5	24679.6600	0.0229	0.0500
34.	6	1	5	6	0	6	25494.1100	-0.0145	0.0500
35.	7	1	6	7	0	7	26467.7200	0.0702	0.0500
36.	8	1	7	8	0	8	27610.4800	-0.0302	0.0500
37.	9	1	8	9	0	9	28933.9300	-0.1014	0.0500
38.	10	1	9	10	0	10	30450.2400	-0.0489	0.0500
39.	11	1	10	11	0	11	32171.7200	-0.0284	0.0500
40.	12	1	11	12	0	12	34110.8400	0.0169	0.0500
41.	13	1	12	13	0	13	36279.3400	-0.0186	0.0500
42.E	14	1	13	14	0	14	38688.5600	0.4940	0.0500--excl
!									
43.E	15	1	14	15	1	15	30114.1000	4.3963	0.0500--excl /?
44.E	16	1	15	16	1	16	34062.0000	5.4972	0.0500--excl /?
45.E	17	1	16	17	1	17	38228.5300	5.7966	0.0500--excl /?
!									
!	IFPAN cavity FTMW								
!									
46.	1	0	1	0	0	0	7351.6088	0.0012	0.0020
!									
47.	2	1	2	1	1	1	14450.4753	-0.0010	0.0020
48.	2	0	2	1	0	1	14701.0839	0.0005	0.0020
49.	2	1	1	1	1	0	14955.9097	-0.0015	0.0020
!									
50.	4	0	4	3	1	3	7408.5151	-0.0009	0.0020 /avg
!									
51.	1	1	1	2	0	2	7898.0796	0.0027	0.0020 /avg
!									
52.	5	0	5	4	1	4	15227.3674	0.0017	0.0020 /avg
!									
!	IFPAN VDIx12 (all AE averaged, unless stated otherwise)								
!									
53.	10	1	10	9	0	9	89742.7250	-0.0340	0.0500 /AE unresolved
54.	11	1	11	10	0	10	95939.4927	-0.0415	0.0500
55.	12	1	12	11	0	11	102089.6216	-0.0454	0.0500
56.	13	1	13	12	0	12	108207.7733	-0.0305	0.0500
57.	14	1	14	13	0	13	114308.7787	0.0019	0.0500
58.	15	1	15	14	0	14	120407.1998	0.0487	0.0500
59.	16	1	16	15	0	15	126516.7618	0.0068	0.0500
!									
60.	15	0	15	14	1	14	96872.2859	-0.0081	0.0500 /AE unresolved
61.	17	0	17	16	1	16	113236.5554	0.0079	0.0500
62.	18	0	18	17	1	17	121340.8504	0.0392	0.0500
63.	19	0	19	18	1	18	129383.1961	0.0418	0.0500
64.	20	0	20	19	1	19	137358.8425	0.0839	0.0500
!									
65.	19	1	18	18	2	17	93569.3769	-0.0722	0.0500
66.	20	1	19	19	2	18	102988.0130	-0.0749	0.0500
67.	21	1	20	20	2	19	112447.6029	-0.0384	0.0500
!									
68.	4	2	3	3	1	2	96822.4473	-0.0283	0.0500
69.	5	2	4	4	1	3	103668.0949	0.1022	0.0500
70.	6	2	5	5	1	4	110387.2890	-0.0518	0.0500
71.	7	2	6	6	1	5	116981.1109	-0.0355	0.0500
!									
72.	6	2	4	5	1	5	114324.9306	-0.0418	0.0500
73.	7	2	5	6	1	6	122551.8368	0.0133	0.0500
!									
74.	18	2	17	18	1	18	90373.1356	0.0071	0.0500
75.	19	2	18	19	1	19	92873.9656	0.0436	0.0500
76.	20	2	19	20	1	20	95506.5063	0.0343	0.0500
77.	21	2	20	21	1	21	98268.9090	0.0060	0.0500
78.	22	2	21	22	1	22	101158.9583	0.0318	0.0500
!									
79.E	6	3	3	6	2	4	113511.9896	0.3587	0.0500--excl

80.E	7	3	4	7	2	5	113429.0557	0.4312	0.0500--excl
81.E	8	3	5	8	2	6	113305.4259	0.2408	0.0500--excl
82.E	9	3	6	9	2	7	113130.7757	0.1105	0.0500--excl
83.	11	3	8	11	2	9	112582.8728	0.0204	0.0500
84.	12	3	9	12	2	10	112186.5368	0.0414	0.0500
85.	13	3	10	13	2	11	111693.9803	0.0830	0.0500
86.	14	3	11	14	2	12	111095.5776	0.0645	0.0500
87.	17	3	14	17	2	15	108601.1432	0.0099	0.0500
88.	18	3	15	18	2	16	107529.1161	0.0351	0.0500
89.	19	3	16	19	2	17	106341.3584	0.0052	0.0500
!									
90.E	7	3	5	7	2	6	113690.6943	-0.5153	0.0500--excl
91.E	8	3	6	8	2	7	113740.5238	-0.2785	0.0500--excl
92.E	9	3	7	9	2	8	113811.1442	-0.1405	0.0500--excl
93.	10	3	8	10	2	9	113907.4469	-0.0853	0.0500
94.	11	3	9	11	2	10	114034.7718	-0.0214	0.0500
95.	12	3	10	12	2	11	114198.6216	-0.0175	0.0500
96.	13	3	11	13	2	12	114404.8599	-0.0510	0.0500
97.	14	3	12	14	2	13	114659.6612	-0.0020	0.0500
98.	15	3	13	15	2	14	114969.0913	-0.0148	0.0500
99.	16	3	14	16	2	15	115339.5135	-0.0329	0.0500
100.	17	3	15	17	2	16	115777.2931	-0.0354	0.0500
101.	18	3	16	18	2	17	116288.7361	-0.0387	0.0500
102.	19	3	17	19	2	18	116880.0090	-0.1194	0.0500
!									
! IFPAN WG-FTMW (all AE averaged)									
!									
103.	5	0	5	4	1	4	15227.3682	0.0025	0.0100
!									
104.	6	2	5	7	1	6	13221.7440	0.0015	0.0100
105.	7	2	5	8	1	8	14243.7981	-0.0007	0.0100
106.	8	2	6	9	1	9	8238.2854	-0.0062	0.0100
!									
107.	10	1	9	9	2	8	12125.5893	0.0087	0.0100
108.	12	1	12	11	2	9	8441.1172	0.0012	0.0100
109.	13	1	13	12	2	10	13489.7275	0.0082	0.0100
!									
110.	12	3	10	13	2	11	15959.5908	-0.0101	0.0100
111.	13	3	10	14	2	13	11734.0068	0.0297	0.0100
!									
112.	16	2	14	15	3	13	8490.9161	-0.0044	0.0100
113.	17	2	16	16	3	13	9046.0679	-0.0168	0.0100
114.	17	2	15	16	3	14	16936.5736	0.0143	0.0100
115.	18	2	17	17	3	14	15778.7901	0.0103	0.0100

Sigma	=	0.051455	103 Distinct lines in fit
Sigma.w	=	1.060267	91 Degrees of freedom

A	/MHz	26401.4765(25)	LJK	/mHz	[0.]
B	/MHz	3802.15318(36)	LKKJ	/mHz	[0.]
C	/MHz	3549.45833(48)	LK	/mHz	[0.]
DJ	/kHz	0.9788(27)	LJ	/mHz	[0.]
DJK	/kHz	-0.658(58)	LJK	/mHz	[0.]
DK	/kHz	151.28(54)	LKJ	/mHz	[0.]
dJ	/kHz	0.12548(94)	LK	/mHz	[0.]
dK	/kHz	-6.32(16)	PJ	/microHz	[0.]
HJ	/ Hz	-0.0273(50)	PJJK	/microHz	[0.]
HJK	/ Hz	[0.]	PJK	/microHz	[0.]
HKJ	/ Hz	-132.7(25)	PKJ	/microHz	[0.]
HK	/ Hz	[0.]	PKKJ	/microHz	[0.]
hJ	/ Hz	-0.0076(18)	PK	/microHz	[0.]
hJK	/ Hz	[0.]	pJ	/microHz	[0.]
hK	/ Hz	336.(19)	pJJK	/microHz	[0.]
LJ	/mHz	[0.]	pJK	/microHz	[0.]
LJJK/mHz		[0.]	pKKJ	/microHz	[0.]
			pK	/microHz	[0.]

CORRELATION COEFFICIENTS, C.ij:

	A	B	C	DJ	DJK	DK	dJ	dK
A	1.0000							
B	0.6099	1.0000						
C	0.3771	-0.1809	1.0000					
DJ	0.2747	-0.1186	0.7328	1.0000				
DJK	0.3038	-0.3219	0.5573	0.5557	1.0000			
DK	0.3406	0.6480	-0.3764	-0.1438	-0.5547	1.0000		
dJ	0.0722	0.2244	-0.3889	-0.0351	-0.1714	0.2029	1.0000	
dK	-0.0278	0.5997	-0.6538	-0.6282	-0.6887	0.6469	-0.1269	1.0000
HJ	0.1542	-0.2145	0.6432	0.9577	0.4540	-0.1141	0.0612	-0.6549
HKJ	0.4475	0.4324	-0.1908	0.0013	0.2350	0.5445	-0.1043	0.3843
hJ	0.0596	0.2771	-0.4280	-0.0935	-0.2741	0.2793	0.9751	-0.0080

hK	-0.0782	0.5758	-0.6799	-0.6365	-0.8567	0.7120	0.0934	0.9329
	HJ	HKJ	hJ	hK				
HJ	1.0000							
HKJ	-0.0544	1.0000						
hJ	-0.0080	-0.0874	1.0000					
hK	-0.6076	0.2211	0.2203	1.0000				

Mean value of |C.ij|, i.ne.j = 0.3684
Mean value of C.ij, i.ne.j = 0.0803

Distribution of values of |C.ij|, i.ne.j:

	10	20	30	40	50	60
.....						
5 <0.05 *****						
8 <0.10 *****						
5 <0.15 *****						
4 <0.20 *****						
6 <0.25 *****						
4 <0.30 *****						
3 <0.35 *****						
4 <0.40 *****						
3 <0.45 *****						
1 <0.50 *****						
1 <0.55 *****						
5 <0.60 *****						
7 <0.65 *****						
4 <0.70 *****						
2 <0.75 *****						
0 <0.80 *****						
0 <0.85 *****						
1 <0.90 *****						
1 <0.95 *****						
2 <1.00 *****						

MOST INFLUENTIAL TRANSITIONS:							Observed	Obs-Calc	hjj > 0.500
115.	18	2	17	17	3	14	15778.7901	0.0103	0.6042
114.	17	2	15	16	3	14	16936.5736	0.0143	0.5397
51.	1	1	1	2	0	2	7898.0796	0.0027	0.5337
78.	22	2	21	22	1	22	101158.9583	0.0318	0.5296

mean of all values = 0.1154

WORST FITTING LINES (line number=(o-c)/error):
111= 3.0 3= 2.7 102= -2.4 22= -2.1 69= 2.0 37= -2.0

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Internal rotation components of newly measured rotational transitions for
the Aa conformer of n-propanol and evaluation of their average frequencies.

n-propanol, Aa conformer						frequency /MHz		
						A	E	(A+E) /2
						E-A		

IFPAN supersonic expansion Fabry-Perot cavity FTMW:

4	0	4	3	1	3	7408.4275	7408.6026	7408.5151	0.1751
1	1	1	2	0	2	7897.9902	7898.1690	7898.0796	0.1788
5	0	5	4	1	4	15227.2807	15227.4543	15227.3675	0.1736

IFPAN room temperature MMW:

19	1	18	18	2	17	93569.1358	93569.6180	93569.3769	0.4822
20	1	19	19	2	18	102987.8012	102988.2248	102988.0130	0.4236
21	1	20	20	2	19	112447.3806	112447.8251	112447.6029	0.4445
4	2	3	3	1	2	96822.7307	96822.1639	96822.4473	-0.5668
5	2	4	4	1	3	103668.3869	103667.8028	103668.0949	-0.5841
6	2	5	5	1	4	110387.5698	110387.0082	110387.2890	-0.5616
7	2	6	6	1	5	116981.4026	116980.8192	116981.1109	-0.5834

6	2	4	5	1	5	114325.1758	114324.6854	114324.9306	-0.4904
7	2	5	6	1	6	122552.1001	122551.5734	122551.8368	-0.5267
18	2	17	18	1	18	90373.4469	90372.8242	90373.1356	-0.6227
19	2	18	19	1	19	92874.2683	92873.6629	92873.9656	-0.6054
20	2	19	20	1	20	95506.8086	95506.2039	95506.5063	-0.6047
21	2	20	21	1	21	98269.2169	98268.6010	98268.9090	-0.6159
22	2	21	22	1	22	101159.2784	101158.6381	101158.9583	-0.6403
8	3	5	8	2	6	113305.5472	113305.3045	113305.4259	-0.2427
9	3	6	9	2	7	113131.0429	113130.5084	113130.7757	-0.5345
11	3	8	11	2	9	112583.2208	112582.5247	112582.8728	-0.6961
12	3	9	12	2	10	112186.9266	112186.1469	112186.5368	-0.7797
13	3	10	13	2	11	111694.3613	111693.5992	111693.9803	-0.7621
14	3	11	14	2	12	111095.9925	111095.1626	111095.5776	-0.8299
17	3	14	17	2	15	108601.5450	108600.7413	108601.1432	-0.8037
18	3	15	18	2	16	107529.4943	107528.7378	107529.1161	-0.7565
19	3	16	19	2	17	106341.7500	106340.9667	106341.3584	-0.7833
7	3	5	7	2	6	113691.5818	113689.8067	113690.6943	-1.7751
8	3	6	8	2	7	113741.1985	113739.8490	113740.5238	-1.3495
9	3	7	9	2	8	113811.6992	113810.5892	113811.1442	-1.1100
10	3	8	10	2	9	113907.9304	113906.9634	113907.4469	-0.9670
11	3	9	11	2	10	114035.2530	114034.2905	114034.7718	-0.9625
12	3	10	12	2	11	114199.0373	114198.2059	114198.6216	-0.8314
13	3	11	13	2	12	114405.2590	114404.4607	114404.8599	-0.7983
14	3	12	14	2	13	114660.0728	114659.2495	114659.6612	-0.8233
15	3	13	15	2	14	114969.4997	114968.6829	114969.0913	-0.8168
16	3	14	16	2	15	115339.9161	115339.1109	115339.5135	-0.8052
17	3	15	17	2	16	115777.6934	115776.8928	115777.2931	-0.8006
18	3	16	18	2	17	116289.1346	116288.3375	116288.7361	-0.7971
19	3	17	19	2	18	116880.3882	116879.6297	116880.0090	-0.7585

IFPAN room temperature waveguide FTMW:

5	0	5	4	1	4	15227.2830	15227.4530	15227.3680	0.1700
6	2	5	7	1	6	13221.9807	13221.5072	13221.7440	-0.4735
7	2	5	8	1	8	14244.0605	14243.5358	14243.7982	-0.5247
8	2	6	9	1	9	8238.5519	8238.0189	8238.2854	-0.5330
10	1	9	9	2	8	12125.3492	12125.8294	12125.5893	0.4802
12	1	12	11	2	9	8440.8478	8441.3866	8441.1172	0.5388
13	1	13	12	2	10	13489.4549	13490.0000	13489.7275	0.5451
12	3	10	13	2	11	15960.0218	15959.1598	15959.5908	-0.8620
13	3	10	14	2	13	11734.3898	11733.6238	11734.0068	-0.7660
16	2	14	15	3	13	8490.5087	8491.3236	8490.9162	0.8149
17	2	16	16	3	13	9045.6787	9046.4570	9046.0679	0.7783
17	2	15	16	3	14	16936.1765	16936.9707	16936.5736	0.7942
18	2	17	17	3	14	15778.4059	15779.1743	15778.7901	0.7684

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ASFIT version 19a.V.2020

n-butanol, Tgt conformer

Fit of Watson's Hamiltonian --> reduction-A, representation-I.r :

A	=	12467.7415597117524157511	+-	0.0006046211760547080
B	=	2371.5177110614044977410	+-	0.0001005589392009880
C	=	2189.4793994294855110638	+-	0.0001106197995009905
DJ	=	0.0007562594175625388	+-	0.0000006645587245262
DJK	=	-0.0061802838715994879	+-	0.0000101281817585809
DK	=	0.0602546232279127791	+-	0.0001122876597563152
dJ	=	0.0001248396139415317	+-	0.0000001311436928633
dK	=	0.0020631499762923363	+-	0.0000346215608711245

Deviation of fit = 0.002171
 Weighted deviation of fit = 0.943700

TRANSITION	Observed	Obs-Calc	Error	Note	Blend components
! AE-averaged transitions, Kawashima et al. J.Phys.Chem.A 125, 1166 (2021)					

```

! 1/ only transitions with Ka <= 2 used in the fit
! 2/ measurement uncertainty set at that of the reported internal rotation fit
!
! mu_a
!
  1.    2    0    2    1    0    1    9119.5310    0.0000    0.0023
  2.    2    1    2    1    1    1    8939.9683   -0.0004    0.0023
  3.    2    1    1    1    1    0    9304.0213    0.0005    0.0023
  4.    3    0    3    2    0    2    13673.1569    0.0001    0.0023
  5.    3    1    3    2    1    2    13408.4010   -0.0002    0.0023
  6.    3    1    2    2    1    1    13954.4458    0.0018    0.0023
  7.    3    2    2    2    2    1    13683.0637    0.0057    0.0023
  8.    3    2    1    2    2    0    13692.8064   -0.0044    0.0023
  9.    4    0    4    3    0    3    18219.4341    0.0006    0.0023
 10.    4    1    4    3    1    3    17875.0009    0.0005    0.0023
 11.    4    1    3    3    1    2    18602.9337   -0.0005    0.0023
 12.    4    2    3    3    2    2    18242.0988    0.0020    0.0023
 13.    4    2    2    3    2    1    18266.4570   -0.0011    0.0023
 14.E   4    3    2    3    3    1    18249.0819    0.0264    0.0023--excl
 15.E   4    3    1    3    3    0    18249.1529   -0.0251    0.0023--excl
!
 16.    5    0    5    4    0    4    22755.9687    0.0006    0.0023
 17.    5    1    5    4    1    4    22339.2033    0.0007    0.0023
 18.    5    1    4    4    1    3    23248.8000    0.0006    0.0023
 19.    5    2    4    4    2    3    22799.4393    0.0004    0.0023
 20.    5    2    3    4    2    2    22848.0765   -0.0006    0.0023
 21.E   5    3    3    4    3    2    22813.3807    0.0469    0.0023--excl
 22.E   5    3    2    4    3    1    22813.7136   -0.0489    0.0023--excl
!
! mu_b
!
 23.    1    1    1    0    0    0    14657.1738   -0.0008    0.0023
 24.    1    1    0    1    0    1    10278.2083   -0.0013    0.0023
 25.    2    1    2    1    0    1    19036.1494    0.0001    0.0023
 26.    2    1    1    2    0    2    10462.6990   -0.0005    0.0023
 27.    3    1    3    2    0    2    23325.0204    0.0009    0.0023
 28.E   3    2    1    2    2    0    13692.8064   -0.0044    0.0023--excl /ed mu_a
 29.    2    2    1    3    1    2    16333.4451   -0.0067    0.0023
 30.?   2    2    0    3    1    3    17428.0244    0.0095    0.0023 >3*Err
 31.    3    1    2    3    0    3    10743.9883    0.0017    0.0023
 32.    4    0    4    3    1    3    8567.5696   -0.0012    0.0023
 33.    3    2    2    4    1    3    11413.5767    0.0011    0.0023
 34.    4    1    3    4    0    4    11127.4884    0.0010    0.0023
 35.    5    0    5    4    1    4    13448.5388    0.0003    0.0023
 36.    4    2    2    5    1    5    9173.0778   -0.0029    0.0023
 37.    5    1    4    5    0    5    11620.3194    0.0007    0.0023
 38.    6    0    6    5    1    5    18389.8043    0.0000    0.0023
 39.E   5    3    3    6    2    4    23430.2820   -0.0462    0.0023--excl
 40.E   5    3    2    6    2    5    23601.0022    0.0553    0.0023--excl
 41.    6    1    5    6    0    6    12231.1567    0.0000    0.0023
 42.    7    0    7    6    1    6    23380.1483    0.0005    0.0023
 43.E   6    3    4    7    2    5    18766.7172   -0.0146    0.0023--excl
 44.E   6    3    3    7    2    6    19073.6149    0.0245    0.0023--excl
 45.    7    1    6    7    0    7    12969.9990   -0.0002    0.0023
 46.    8    1    7    7    2    6    9115.7017   -0.0014    0.0023
 47.E   7    3    5    8    2    6    14054.2466   -0.0038    0.0023--excl
 48.E   7    3    4    8    2    7    14564.8297    0.0122    0.0023--excl
 49.    8    1    7    8    0    8    13847.8012    0.0001    0.0023
 50.    9    1    8    8    2    7    14449.1419    0.0000    0.0023
 51.E   8    3    6    9    2    7    9280.5781    0.0002    0.0023--excl
 52.E   8    3    5    9    2    8    10080.5965    0.0070    0.0023--excl
 53.    9    1    8    9    0    9    14875.9622   -0.0009    0.0023
 54.   10    1    9    9    2    8    19856.7786   -0.0007    0.0023
 55.   10    1    10   9    2    7    9092.4042    0.0006    0.0023
 56.   10    1    9    10    0    10   16065.6680   -0.0002    0.0023
 57.   11    1    11   10    2    8    12209.6586   -0.0010    0.0023
 58.   11    1    10   11    0    11   17427.0968    0.0004    0.0023
 59.   12    1    11   12    0    12   18968.5752    0.0002    0.0023
!
! mu_c
!
 60.    1    1    0    0    0    0    14839.2024   -0.0013    0.0023
 61.    1    1    1    1    0    1    10096.1782   -0.0024    0.0023
 62.    2    1    1    1    0    1    19582.2288   -0.0016    0.0023
 63.    2    1    2    2    0    2    9916.6191    0.0008    0.0023
 64.    2    2    1    3    1    3    17425.5702   -0.0056    0.0023
 65.    2    2    0    3    1    2    16335.8954    0.0045    0.0023
 66.    3    1    3    3    0    3    9651.8631    0.0004    0.0023
 67.    4    0    4    3    1    2    7475.4460   -0.0008    0.0023
 68.    3    2    2    4    1    4    13233.6320   -0.0014    0.0023
 69.    3    2    1    4    1    3    11425.7686    0.0011    0.0023
 70.    4    1    4    4    0    4    9307.4301    0.0005    0.0023
 71.    5    0    5    4    1    3    11628.4800   -0.0007    0.0023

```

72.	4	2	3	5	1	5	9136.5272	-0.0004	0.0023
73.	5	1	5	5	0	5	8890.6639	-0.0002	0.0023
74.	6	0	6	5	1	4	15660.1486	-0.0011	0.0023
75.E	5	3	3	6	2	5	23600.3318	-0.0435	0.0023--excl
76.E	5	3	2	6	2	4	23430.9546	0.0547	0.0023--excl
77.	6	1	6	6	0	6	8410.6797	-0.0003	0.0023
78.	7	0	7	6	1	5	19559.6696	-0.0015	0.0023
79.E	6	3	4	7	2	6	19071.8617	-0.0145	0.0023--excl
80.E	6	3	3	7	2	5	18768.4715	0.0256	0.0023--excl
81.	7	1	7	7	0	7	7878.2219	-0.0011	0.0023
82.	8	0	8	7	1	6	23315.2418	-0.0001	0.0023
83.	8	1	7	7	2	5	8810.5580	-0.0007	0.0023
84.E	7	3	5	8	2	7	14560.5324	-0.0027	0.0023--excl
85.E	7	3	4	8	2	6	14058.5451	0.0122	0.0023--excl
86.	8	1	8	8	0	8	7305.4252	-0.0008	0.0023
87.	9	1	8	8	2	6	13942.8574	0.0002	0.0023
88.E	8	3	6	9	2	8	10071.1777	0.0006	0.0023--excl
89.E	8	3	5	9	2	7	9289.9977	0.0074	0.0023--excl
90.	10	1	10	9	2	8	9883.0040	0.0012	0.0023
91.	10	1	9	9	2	7	19066.1812	0.0010	0.0023
92.	11	1	11	10	2	9	13385.6161	-0.0008	0.0023
93.	12	1	12	11	2	10	16785.8375	0.0008	0.0023

Sigma	=	0.002171	72 Distinct lines in fit
Sigma.w	=	0.943700	64 Degrees of freedom

A	/MHz	12467.74156 (60)	LJK	/mHz	[0.]
B	/MHz	2371.51771 (10)	LKKJ	/mHz	[0.]
C	/MHz	2189.47940 (11)	LK	/mHz	[0.]
DJ	/kHz	0.75626 (66)	lJ	/mHz	[0.]
DJK	/kHz	-6.180 (10)	lJK	/mHz	[0.]
DK	/kHz	60.25 (11)	lKJ	/mHz	[0.]
dJ	/kHz	0.12484 (13)	lK	/mHz	[0.]
dK	/kHz	2.063 (35)	PJ	/microHz	[0.]
HJ	/ Hz	[0.]	PJJK	/microHz	[0.]
HJK	/ Hz	[0.]	PJK	/microHz	[0.]
HKJ	/ Hz	[0.]	PKJ	/microHz	[0.]
HK	/ Hz	[0.]	PKKJ	/microHz	[0.]
hJ	/ Hz	[0.]	PK	/microHz	[0.]
hJK	/ Hz	[0.]	pJ	/microHz	[0.]
hK	/ Hz	[0.]	pJJK	/microHz	[0.]
LJ	/mHz	[0.]	pJK	/microHz	[0.]
LJJK/mHz	[0.]		pKKJ	/microHz	[0.]
			pK	/microHz	[0.]

CORRELATION COEFFICIENTS, C.ij:

	A	B	C	DJ	DJK	DK	dJ	dK
A	1.0000							
B	0.2500	1.0000						
C	0.3890	-0.1852	1.0000					
DJ	0.5509	0.5252	0.4221	1.0000				
DJK	0.5182	0.1622	0.4664	0.8309	1.0000			
DK	0.8180	0.0094	0.1296	0.2672	0.1756	1.0000		
dJ	-0.1393	0.4819	-0.4534	-0.0727	-0.3139	-0.0762	1.0000	
dK	-0.0684	0.6776	-0.7601	0.0569	-0.1758	-0.0412	0.3087	1.0000

Mean value of |C.ij|, i.ne.j = 0.3331
Mean value of C.ij, i.ne.j = 0.1698

Distribution of values of |C.ij|, i.ne.j:

	10	20	30	40	50	60
2 <0.05 **
4 <0.10 ****						
2 <0.15 **						
4 <0.20 ****						
1 <0.25 *						
1 <0.30 *						
2 <0.35 **						
1 <0.40 *						
1 <0.45 *						
3 <0.50 ***						
2 <0.55 **						
1 <0.60 *						
0 <0.65						
1 <0.70 *						
0 <0.75						
1 <0.80 *						

2 <0.85 **
0 <0.90
0 <0.95
0 <1.00

MOST INFLUENTIAL TRANSITIONS:

							Observed	Obs-Calc	hjj > 0.500
93.	12	1	12	11	2	10	16785.8375	0.0008	0.5636
57.	11	1	11	10	2	8	12209.6586	-0.0010	0.5447
59.	12	1	11	12	0	12	18968.5752	0.0002	0.5151

mean of all values = 0.1111

WORST FITTING LINES (line number=(o-c)/error):

30= 4.2 29= -2.9 7= 2.5 64= -2.4 65= 2.0 8= -1.9

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ASFIT version 19a.V.2020

n-butanol, GTg' conformer

Fit of Watson's Hamiltonian --> reduction-A, representation-I.r :

A	=	12305.0000657480122754350	+-	0.0005715598920053754
B	=	2330.5766385684919441701	+-	0.0003443007367714670
C	=	2146.2345439343439466029	+-	0.0003176364174808935
DJ	=	0.0007131166058370429	+-	0.0000015764864269479
DJK	=	-0.0025430610948640694	+-	0.0000160502414981471
DK	=	0.0730058432919195727	+-	0.0002288265755256424
dJ	=	0.0001370477996773269	+-	0.0000005840864793192
dK	=	0.0024532564759884982	+-	0.0001494107941678149

Deviation of fit = 0.001950

Weighted deviation of fit = 0.696486

TRANSITION							Observed	Obs-Calc	Error	Note	Blend components
! Transitions from Kawaashima et al. J.Phys.Chem.A 125, 1166 (2021)											
! 1/ in cases of resolved A,E splitting AE averaged transitions were used											
! 2/ measurement uncertainty set at that of the reported internal rotation fit											
! mu_a											
1.	1	0	1	0	0	0	4476.8080	-0.0003	0.0028		
2.	2	0	2	1	0	1	8951.0685	0.0000	0.0028		
3.	2	1	2	1	1	1	8769.2834	0.0016	0.0028		
4.	2	1	1	1	1	0	9137.9392	0.0016	0.0028		
5.	3	0	3	2	0	2	13420.2359	0.0000	0.0028		
6.	3	1	3	2	1	2	13152.3178	0.0003	0.0028		
7.	3	1	2	2	1	1	13705.2633	0.0003	0.0028		
8.	3	2	2	2	2	1	13430.4245	0.0069	0.0028		
9.	3	2	1	2	2	0	13440.5369	-0.0013	0.0028	/ avg	
10.	4	0	4	3	0	3	17881.7843	0.0012	0.0028		
11.	4	1	4	3	1	3	17533.4576	0.0002	0.0028		
12.	4	1	3	3	1	2	18270.5868	0.0008	0.0028		
13.	4	2	3	3	2	2	17905.1746	-0.0019	0.0028		
14.	4	2	2	3	2	1	17930.4531	-0.0023	0.0028		
15.	5	0	5	4	0	4	22333.2335	0.0016	0.0028		
16.	5	1	5	4	1	4	21912.1215	0.0013	0.0028		
17.	5	1	4	4	1	3	22833.1898	0.0011	0.0028		
18.	5	2	4	4	2	3	22378.1784	-0.0033	0.0028		
19.	5	2	3	4	2	2	22428.6454	-0.0025	0.0028		
! mu_b											
20.	1	1	1	0	0	0	14451.1688	-0.0005	0.0028		
21.	1	1	0	1	0	1	10158.6909	-0.0012	0.0028		
22.	2	1	2	1	0	1	18743.6429	0.0001	0.0028		
23.	2	1	1	2	0	2	10345.5626	0.0013	0.0028		
24.	3	1	3	2	0	2	22944.8891	-0.0027	0.0028		

25.	3	1	2	3	0	3	10630.5896	0.0012	0.0028	
26.	4	0	4	3	1	3	8357.1264	-0.0008	0.0028	
27.	4	1	3	4	0	4	11019.3919	0.0006	0.0028	
28.	5	0	5	4	1	4	13156.9014	-0.0003	0.0028	
29.	5	1	4	5	0	5	11519.3459	-0.0022	0.0028	
30.	6	0	6	5	1	5	18016.9960	0.0009	0.0028	
31.	6	1	5	6	0	6	12139.4456	0.0020	0.0028	/ avg
32.	7	0	7	6	1	6	22925.7899	0.0008	0.0028	
33.	7	1	6	7	0	7	12890.0134	0.0011	0.0028	/ avg
34.	8	1	7	7	2	6	8843.0471	0.0010	0.0028	
35.	8	1	7	8	0	8	13782.3440	-0.0011	0.0028	/ avg

!
! mu_a
!

36.	1	1	0	0	0	0	14635.5006	0.0001	0.0028	
37.	1	1	1	1	0	1	9974.3604	-0.0006	0.0028	/ avg
38.	2	1	1	1	0	1	19296.6268	-0.0030	0.0028	/ avg
39.	2	1	2	2	0	2	9792.5726	-0.0017	0.0028	
40.	3	1	2	2	0	2	24050.8256	0.0013	0.0028	
41.	3	1	3	3	0	3	9524.6563	0.0004	0.0028	
42.	4	0	4	3	1	2	7251.1930	-0.0017	0.0028	
43.	4	1	4	4	0	4	9176.3301	-0.0001	0.0028	
44.	5	0	5	4	1	3	11313.8418	0.0013	0.0028	
45.	5	1	5	5	0	5	8755.2186	0.0001	0.0028	
46.	6	0	6	5	1	4	15252.8670	0.0016	0.0028	
47.	6	1	6	6	0	6	8270.7724	0.0004	0.0028	
48.	7	0	7	6	1	5	19057.1179	0.0004	0.0028	/ avg
49.	7	1	7	7	0	7	7734.1236	0.0018	0.0028	
50.	8	0	8	7	1	6	22714.4195	-0.0025	0.0028	/ avg
51.	8	1	7	7	2	5	8526.4935	-0.0035	0.0028	
52.	8	1	8	8	0	8	7157.8148	0.0023	0.0028	
53.	9	1	8	8	2	6	13575.9004	0.0025	0.0028	

Sigma	=	0.001950	53 Distinct lines in fit
Sigma.w	=	0.696486	45 Degrees of freedom

A	/MHz	12305.00007(57)	LJK	/mHz	[0.]
B	/MHz	2330.57664(34)	LKKJ	/mHz	[0.]
C	/MHz	2146.23454(32)	LK	/mHz	[0.]
DJ	/kHz	0.7131(16)	lJ	/mHz	[0.]
DJK	/kHz	-2.543(16)	lJK	/mHz	[0.]
DK	/kHz	73.01(23)	lKJ	/mHz	[0.]
dJ	/kHz	0.13705(58)	lK	/mHz	[0.]
dK	/kHz	2.45(15)	PJ	/microHz	[0.]
HJ	/ Hz	[0.]	PJJK	/microHz	[0.]
HJK	/ Hz	[0.]	PJK	/microHz	[0.]
HKJ	/ Hz	[0.]	PKJ	/microHz	[0.]
HK	/ Hz	[0.]	PKKJ	/microHz	[0.]
hJ	/ Hz	[0.]	PK	/microHz	[0.]
hJK	/ Hz	[0.]	pJ	/microHz	[0.]
hK	/ Hz	[0.]	pJJK	/microHz	[0.]
LJ	/mHz	[0.]	pJK	/microHz	[0.]
LJJK/mHz		[0.]	pKKJ	/microHz	[0.]
			pK	/microHz	[0.]

CORRELATION COEFFICIENTS, C.ij:

	A	B	C	DJ	DJK	DK	dJ	dK
A	1.0000							
B	0.0367	1.0000						
C	0.1625	-0.8686	1.0000					
DJ	0.2089	0.7381	-0.3770	1.0000				
DJK	0.4899	-0.2311	0.4209	0.0814	1.0000			
DK	0.3471	0.1268	-0.0436	0.3075	-0.3699	1.0000		
dJ	0.1187	0.4364	-0.4563	0.1662	-0.1161	0.3666	1.0000	
dK	-0.0779	0.9539	-0.9409	0.6075	-0.3443	0.0560	0.2898	1.0000

Mean value of |C.ij|, i.ne.j = 0.3479

Mean value of C.ij, i.ne.j = 0.0746

Distribution of values of |C.ij|, i.ne.j:

	10	20	30	40	50	60
2 <0.05	**					
3 <0.10	***					
3 <0.15	***					
2 <0.20	**					
2 <0.25	**					
1 <0.30	*					

3 <0.35 ***
3 <0.40 ***
2 <0.45 **
2 <0.50 **
0 <0.55
0 <0.60
1 <0.65 *
0 <0.70
1 <0.75 *
0 <0.80
0 <0.85
1 <0.90 *
1 <0.95 *
1 <1.00 *

MOST INFLUENTIAL TRANSITIONS:

	Observed						Obs-Calc	hjj > 0.500
34.	8	1	7	7	2	6	8843.0471	0.0010 0.9529
53.	9	1	8	8	2	6	13575.9004	0.0025 0.7138
35.	8	1	7	8	0	8	13782.3440	-0.0011 0.5974
50.	8	0	8	7	1	6	22714.4195	-0.0025 0.5412

mean of all values = 0.1509

WORST FITTING LINES (line number=(o-c)/error):

8= 2.5 51= -1.3 18= -1.2 38= -1.1 24= -1.0 53= 0.9

////////////////////////////////////
//////////////////////////////////// cut here - please display and print using a fixed width font ///////////////////////////////////
////////////////////////////////////

AA_valeronitrile, A-reduction

Thu Dec 29 17:46:55 2022

										obs	o-c	error	blends o-c	wt	Notes
/ instead of : below denotes (o-c)>3*err															
1:	2	1	2	0	2	1	1	1	0	1	5125.0200	-0.0041	0.002		
2:	2	1	2	0	2	1	1	1	0	2	5125.2220	-0.0045	0.002		
3:	2	1	2	0	3	1	1	1	0	2	5125.8850	-0.0008	0.002		
4:	2	1	2	0	1	1	1	1	0	1	5126.0470	-0.0029	0.002		
5:	2	1	2	0	1	1	1	1	0	0	5126.5540	-0.0021	0.002		
6:	2	0	2	0	2	1	0	1	0	2	5194.8340	-0.0009	0.002		
7:	2	0	2	0	1	1	0	1	0	0	5194.9720	-0.0011	0.002		
8:	2	0	2	0	3	1	0	1	0	2	5195.7120	-0.0004	0.002		
9:	2	0	2	0	1	1	0	1	0	1	5197.0160	-0.0021	0.002		
10:	2	1	1	0	2	1	1	0	0	1	5265.5200	0.0000	0.002		
11:	2	1	1	0	3	1	1	0	0	2	5266.3520	-0.0003	0.002		
12:	2	1	1	0	1	1	1	0	0	0	5267.3950	-0.0013	0.002		
13:	2	1	2	0	3	3	0	3	0	4	5831.5480	-0.0058	0.002		
14:	2	1	2	0	1	3	0	3	0	2	5831.5980	-0.0031	0.002		
15/	2	1	2	0	2	3	0	3	0	3	5831.8000	-0.0062	0.002		
16:	3	1	3	0	3	2	1	2	0	2	7688.2110	-0.0011	0.002		
17:	3	1	3	0	4	2	1	2	0	3	7688.4640	-0.0001	0.002		
18:	3	0	3	0	2	2	0	2	0	1	7792.6590	-0.0035	0.002		
19:	3	0	3	0	3	2	0	2	0	2	7792.7960	-0.0007	0.002		
20:	3	0	3	0	4	2	0	2	0	3	7792.8300	-0.0010	0.002		
21:	3	1	2	0	3	2	1	1	0	2	7898.9520	-0.0007	0.002		
22:	3	1	2	0	4	2	1	1	0	3	7899.1860	-0.0023	0.002		
23:	1	1	1	0	0	2	0	2	0	1	8497.7040	-0.0035	0.003		
24:	1	1	1	0	1	2	0	2	0	1	8498.2160	0.0023	0.003		
25:	1	1	1	0	2	2	0	2	0	3	8498.4980	-0.0009	0.003		
26:	1	1	1	0	2	2	0	2	0	2	8499.3780	0.0015	0.003		
27:	1	1	1	0	1	2	0	2	0	2	8499.5750	-0.0039	0.003		
28:	4	1	4	0	4	3	1	3	0	3	10250.7850	0.0033	0.004		
29:	4	1	4	0	5	3	1	3	0	4	10250.8940	-0.0018	0.002		
30:	4	0	4	0	3	3	0	3	0	2	10389.0680	0.0019	0.003		
31:	4	0	4	0	4	3	0	3	0	3	10389.1170	-0.0046	0.003		
32:	4	0	4	0	5	3	0	3	0	4	10389.1440	-0.0007	0.003		
33:	4	1	3	0	4	3	1	2	0	4	10531.3080	-0.0005	0.002		
34:	4	1	3	0	4	3	1	2	0	3	10531.7610	-0.0002	0.002		
35:	4	1	3	0	3	3	1	2	0	2	10531.8450	-0.0046	0.004		
36:	4	1	3	0	5	3	1	2	0	4	10531.8630	-0.0020	0.002		
37:	5	1	5	0	5	4	1	4	0	4	12813.0040	-0.0008	0.002		
38:	5	1	5	0	6	4	1	4	0	5	12813.0670	-0.0015	0.002		
39:	5	1	4	0	5	4	1	3	0	4	13164.2130	0.0003	0.003		
40:	5	1	4	0	6	4	1	3	0	5	13164.2700	0.0008	0.003		

41:	1	1	0	0	1	1	0	1	0	0	13763.7780	-0.0014	0.002	
42:	1	1	0	0	0	1	0	1	0	1	13764.2830	-0.0030	0.002	
43:	1	1	0	0	2	1	0	1	0	2	13764.3855	-0.0056	0.002	
44:	1	1	0	0	1	1	0	1	0	2	13765.0050	-0.0015	0.002	
45:	1	1	0	0	2	1	0	1	0	1	13765.2085	-0.0006	0.002	
46:	1	1	0	0	1	1	0	1	0	1	13765.8220	-0.0024	0.002	
47:	1	1	1	0	0	0	0	0	0	1	16292.0040	-0.0034	0.003	
48/	1	1	1	0	2	0	0	0	0	1	16292.3020	-0.0092	0.003	
49:	1	1	1	0	1	0	0	0	0	1	16292.5090	-0.0046	0.003	
50:	2	1	2	0	1	1	0	1	0	0	18819.2380	0.0012	0.003	
51:	2	1	2	0	2	1	0	1	0	2	18819.4340	-0.0040	0.003	
52:	2	1	2	0	3	1	0	1	0	2	18820.0900	-0.0073	0.003	
!														
!	hyperfine unresolved													
!														
53:	7	1	7	1	7	6	1	6	1	6	17936.3110	-0.0058	0.003	
54:	7	0	7	1	7	6	0	6	1	6	18170.4650	-0.0032	0.003	
55:	7	2	6	1	7	6	2	5	1	6	18183.8750	0.0002	0.003	
56:	7	2	5	1	7	6	2	4	1	6	18198.9520	-0.0023	0.003	
57:	7	1	6	1	7	6	1	5	1	6	18427.9130	-0.0028	0.003	
58:	8	1	8	1	8	7	1	7	1	7	20497.2700	-0.0060	0.003	
59:	8	2	7	1	8	7	2	6	1	7	20780.6000	-0.0032	0.003	
60:	8	2	6	1	8	7	2	5	1	7	20803.2040	-0.0030	0.003	
61:	8	1	7	1	8	7	1	6	1	7	21059.0090	-0.0034	0.003	
62:	29	2	28	1	29	28	2	27	1	28	75150.3124	0.0044	0.020	
63:	29	7	23	1	29	28	7	22	1	28	75372.2122	-0.0056	0.020	-0.0057 0.50
64:	29	7	22	1	29	28	7	21	1	28	75372.2122	-0.0056	0.020	-0.0057 0.50
65:	29	8	22	1	29	28	8	21	1	28	75373.3514	0.0027	0.020	0.0027 0.50
66:	29	8	21	1	29	28	8	20	1	28	75373.3514	0.0027	0.020	0.0027 0.50
67:	29	6	23	1	29	28	6	22	1	28	75374.9918	-0.0087	0.020	-0.0082 0.50
68:	29	6	24	1	29	28	6	23	1	28	75374.9918	-0.0076	0.020	-0.0082 0.50
69:	29	9	21	1	29	28	9	20	1	28	75377.0851	-0.0011	0.020	-0.0011 0.50
70:	29	9	20	1	29	28	9	19	1	28	75377.0851	-0.0011	0.020	-0.0011 0.50
71:	29	10	19	1	29	28	10	18	1	28	75382.7668	0.0080	0.020	0.0080 0.50
72:	29	10	20	1	29	28	10	19	1	28	75382.7668	0.0080	0.020	0.0080 0.50
73:	29	5	24	1	29	28	5	23	1	28	75384.5534	-0.0290	0.020	0.0150 0.50
74:	29	5	25	1	29	28	5	24	1	28	75384.5534	0.0591	0.020	0.0150 0.50
75:	29	11	18	1	29	28	11	17	1	28	75389.9942	0.0034	0.020	0.0034 0.50
76:	29	11	19	1	29	28	11	18	1	28	75389.9942	0.0034	0.020	0.0034 0.50
77:	29	12	17	1	29	28	12	16	1	28	75398.5559	-0.0025	0.020	-0.0026 0.50
78:	29	12	18	1	29	28	12	17	1	28	75398.5559	-0.0025	0.020	-0.0026 0.50
79:	29	4	26	1	29	28	4	25	1	28	75406.0193	-0.0179	0.020	
80:	29	13	17	1	29	28	13	16	1	28	75408.3111	-0.0102	0.020	-0.0103 0.50
81:	29	13	16	1	29	28	13	15	1	28	75408.3111	-0.0102	0.020	-0.0103 0.50
82:	29	4	25	1	29	28	4	24	1	28	75410.2691	-0.0195	0.020	
83:	29	3	27	1	29	28	3	26	1	28	75418.3777	-0.0103	0.020	
84:	29	14	15	1	29	28	14	14	1	28	75419.1885	0.0011	0.020	0.0012 0.50
85:	29	14	16	1	29	28	14	15	1	28	75419.1885	0.0011	0.020	0.0012 0.50
86:	29	15	14	1	29	28	15	13	1	28	75431.1051	0.0114	0.020	0.0114 0.50
87:	29	15	15	1	29	28	15	14	1	28	75431.1051	0.0114	0.020	0.0114 0.50
88:	29	16	14	1	29	28	16	13	1	28	75443.9888	-0.0075	0.020	-0.0075 0.50
89:	29	16	13	1	29	28	16	12	1	28	75443.9888	-0.0075	0.020	-0.0075 0.50
90:	29	17	12	1	29	28	17	11	1	28	75457.8596	-0.0035	0.020	-0.0035 0.50
91:	29	17	13	1	29	28	17	12	1	28	75457.8596	-0.0035	0.020	-0.0035 0.50
92:	29	19	10	1	29	28	19	9	1	28	75488.3738	-0.0250	0.020	-0.0251 0.50
93:	29	19	11	1	29	28	19	10	1	28	75488.3738	-0.0250	0.020	-0.0251 0.50
94:	29	20	9	1	29	28	20	8	1	28	75505.0304	-0.0042	0.020	-0.0043 0.50
95:	29	20	10	1	29	28	20	9	1	28	75505.0304	-0.0042	0.020	-0.0043 0.50
96:	29	21	8	1	29	28	21	7	1	28	75522.5412	-0.0243	0.020	-0.0244 0.50
97:	29	21	9	1	29	28	21	8	1	28	75522.5412	-0.0243	0.020	-0.0244 0.50
98:	29	3	26	1	29	28	3	25	1	28	75523.4671	0.0183	0.020	
99:	29	22	7	1	29	28	22	6	1	28	75541.0000	0.0186	0.020	0.0186 0.50
100:	29	22	8	1	29	28	22	7	1	28	75541.0000	0.0186	0.020	0.0186 0.50
101:	29	25	4	1	29	28	25	3	1	28	75601.4450	-0.0096	0.020	-0.0096 0.50
102:	29	25	5	1	29	28	25	4	1	28	75601.4450	-0.0096	0.020	-0.0096 0.50
103:	40	3	38	1	40	40	2	39	1	40	75656.1573	-0.0573	0.060	
104:	29	1	28	1	29	28	1	27	1	28	76016.9392	-0.0001	0.020	
105:	29	2	27	1	29	28	2	26	1	28	76037.3632	0.0109	0.020	
106:	28	1	28	1	28	27	0	27	1	27	76461.3410	-0.0195	0.020	
107:	30	1	30	1	30	29	1	29	1	29	76630.4288	0.0018	0.020	
108:	76	3	73	1	76	76	2	74	1	76	76851.1940	-0.0576	0.060	
109:	42	3	40	1	42	42	2	41	1	42	76948.9910	0.0161	0.040	
110:	30	0	30	1	30	29	0	29	1	29	76959.1491	-0.0087	0.020	
111:	43	3	41	1	43	43	2	42	1	43	77648.3735	-0.0102	0.040	
112:	30	2	29	1	30	29	2	28	1	29	77727.9318	0.0039	0.020	
113:	30	7	24	1	30	29	7	23	1	29	77971.8829	0.0091	0.020	0.0092 0.50
114:	30	7	23	1	30	29	7	22	1	29	77971.8829	0.0091	0.020	0.0092 0.50
115:	30	8	22	1	30	29	8	21	1	29	77972.6515	0.0010	0.020	0.0010 0.50
116:	30	8	23	1	30	29	8	22	1	29	77972.6515	0.0010	0.020	0.0010 0.50
117:	30	6	25	1	30	29	6	24	1	29	77975.3583	-0.0068	0.020	-0.0076 0.50
118:	30	6	24	1	30	29	6	23	1	29	77975.3583	-0.0084	0.020	-0.0076 0.50
119:	30	9	22	1	30	29	9	21	1	29	77976.2598	0.0101	0.020	0.0101 0.50
120:	30	9	21	1	30	29	9	20	1	29	77976.2598	0.0101	0.020	0.0101 0.50

121:	30	10	21	1	30	29	10	20	1	29	77981.9226	-0.0049	0.020	-0.0049	0.50
122:	30	10	20	1	30	29	10	19	1	29	77981.9226	-0.0049	0.020	-0.0049	0.50
123:	30	5	25	1	30	29	5	24	1	29	77986.2741	-0.0641	0.020	-0.0043	0.50
124:	30	5	26	1	30	29	5	25	1	29	77986.2741	0.0555	0.020	-0.0043	0.50
125:	30	11	19	1	30	29	11	18	1	29	77989.2570	-0.0114	0.020	-0.0114	0.50
126:	30	11	20	1	30	29	11	19	1	29	77989.2570	-0.0114	0.020	-0.0114	0.50
127:	30	12	19	1	30	29	12	18	1	29	77998.0198	-0.0049	0.020	-0.0049	0.50
128:	30	12	18	1	30	29	12	17	1	29	77998.0198	-0.0049	0.020	-0.0049	0.50
129:	30	13	18	1	30	29	13	17	1	29	78008.0374	-0.0036	0.020	-0.0036	0.50
130:	30	13	17	1	30	29	13	16	1	29	78008.0374	-0.0036	0.020	-0.0036	0.50
131:	30	4	27	1	30	29	4	26	1	29	78010.0763	0.0145	0.020		
132:	30	4	26	1	30	29	4	25	1	29	78015.4673	0.0213	0.020		
133:	30	14	17	1	30	29	14	16	1	29	78019.2182	0.0027	0.020	0.0027	0.50
134:	30	14	16	1	30	29	14	15	1	29	78019.2182	0.0027	0.020	0.0027	0.50
135:	30	3	28	1	30	29	3	27	1	29	78020.7911	0.0018	0.020		
136:	30	15	15	1	30	29	15	14	1	29	78031.4899	0.0112	0.020	0.0112	0.50
137:	30	15	16	1	30	29	15	15	1	29	78031.4899	0.0112	0.020	0.0112	0.50
138:	30	16	14	1	30	29	16	13	1	29	78044.7592	-0.0228	0.020	-0.0228	0.50
139:	30	16	15	1	30	29	16	14	1	29	78044.7592	-0.0228	0.020	-0.0228	0.50
140:	30	17	13	1	30	29	17	12	1	29	78059.0949	0.0048	0.020	0.0048	0.50
141:	30	17	14	1	30	29	17	13	1	29	78059.0949	0.0048	0.020	0.0048	0.50
142:	30	18	13	1	30	29	18	12	1	29	78074.3654	-0.0110	0.020	-0.0110	0.50
143:	30	18	12	1	30	29	18	11	1	29	78074.3654	-0.0110	0.020	-0.0110	0.50
144:	30	19	12	1	30	29	19	11	1	29	78090.6137	-0.0071	0.020	-0.0071	0.50
145:	30	19	11	1	30	29	19	10	1	29	78090.6137	-0.0071	0.020	-0.0071	0.50
146:	30	20	10	1	30	29	20	9	1	29	78107.8287	0.0215	0.020	0.0215	0.50
147:	30	20	11	1	30	29	20	10	1	29	78107.8287	0.0215	0.020	0.0215	0.50
148:	30	21	10	1	30	29	21	9	1	29	78125.9026	-0.0197	0.020	-0.0197	0.50
149:	30	21	9	1	30	29	21	8	1	29	78125.9026	-0.0197	0.020	-0.0197	0.50
150:	50	1	49	1	50	50	0	50	1	50	78138.1014	-0.0163	0.020		
151:	30	3	27	1	30	29	3	26	1	29	78144.4998	-0.0212	0.020		
152:	30	22	8	1	30	29	22	7	1	29	78145.0006	0.0452	0.040	0.0453	0.50
153:	30	22	9	1	30	29	22	8	1	29	78145.0006	0.0452	0.040	0.0453	0.50
154:	30	24	6	1	30	29	24	5	1	29	78185.7741	0.0363	0.020	0.0364	0.50
155:	30	24	7	1	30	29	24	6	1	29	78185.7741	0.0363	0.020	0.0364	0.50
156:	30	25	6	1	30	29	25	5	1	29	78207.4119	-0.0589	0.040	-0.0590	0.50
157:	30	25	5	1	30	29	25	4	1	29	78207.4119	-0.0589	0.040	-0.0590	0.50
158:	30	26	4	1	30	29	26	3	1	29	78229.9965	-0.0920	0.060	-0.0921	0.50
159:	30	26	5	1	30	29	26	4	1	29	78229.9965	-0.0920	0.060	-0.0921	0.50
160:	44	3	42	1	44	44	2	43	1	44	78383.7241	-0.0093	0.040		
161:	32	0	32	1	32	31	1	31	1	31	78437.2116	-0.0415	0.040		
162:	30	1	29	1	30	29	1	28	1	29	78609.2793	-0.0093	0.020		
163:	29	1	29	1	29	28	0	28	1	28	78640.4255	-0.0058	0.020		
164:	30	2	28	1	30	29	2	27	1	29	78686.5793	0.0104	0.020		
165:	63	2	61	1	63	63	1	62	1	63	78698.3818	-0.0100	0.040		
166:	45	3	43	1	45	45	2	44	1	45	79155.4120	0.0309	0.040		
167:	31	1	31	1	31	30	1	30	1	30	79170.7763	0.0405	0.040		
168:	31	0	31	1	31	30	0	30	1	30	79481.5232	0.0185	0.040		
169:	31	2	30	1	31	30	2	29	1	30	80304.2051	-0.0101	0.020		
170:	31	7	24	1	31	30	7	23	1	30	80571.5788	-0.0127	0.020	-0.0127	0.50
171:	31	7	25	1	31	30	7	24	1	30	80571.5788	-0.0126	0.020	-0.0127	0.50
172:	31	8	24	1	31	30	8	23	1	30	80571.9398	-0.0345	0.020	-0.0345	0.50
173:	31	8	23	1	31	30	8	22	1	30	80571.9398	-0.0345	0.020	-0.0345	0.50
174:	31	9	22	1	31	30	9	21	1	30	80575.3752	-0.0328	0.020	-0.0328	0.50
175:	31	9	23	1	31	30	9	22	1	30	80575.3752	-0.0328	0.020	-0.0328	0.50
176:	31	6	25	1	31	30	6	24	1	30	80575.9090	0.0515	0.040	0.0527	0.50
177:	31	6	26	1	31	30	6	25	1	30	80575.9090	0.0538	0.040	0.0527	0.50
178:	31	10	21	1	31	30	10	20	1	30	80581.0633	-0.0086	0.020	-0.0086	0.50
179:	31	10	22	1	31	30	10	21	1	30	80581.0633	-0.0086	0.020	-0.0086	0.50
180:	31	12	19	1	31	30	12	18	1	30	80597.4539	0.0123	0.020	0.0123	0.50
181:	31	12	20	1	31	30	12	19	1	30	80597.4539	0.0123	0.020	0.0123	0.50
182:	31	13	18	1	31	30	13	17	1	30	80607.7170	0.0141	0.020	0.0141	0.50
183:	31	13	19	1	31	30	13	18	1	30	80607.7170	0.0141	0.020	0.0141	0.50
184:	31	4	28	1	31	30	4	27	1	30	80614.3517	-0.0589	0.040		
185:	31	14	17	1	31	30	14	16	1	30	80619.1584	-0.0206	0.020	-0.0207	0.50
186:	31	14	18	1	31	30	14	17	1	30	80619.1584	-0.0206	0.020	-0.0207	0.50
187:	31	4	27	1	31	30	4	26	1	30	80621.2221	0.0475	0.040		
188:	31	3	29	1	31	30	3	28	1	30	80622.9631	0.0098	0.020		
189:	31	15	16	1	31	30	15	15	1	30	80631.8100	0.0162	0.020	0.0163	0.50
190:	31	15	17	1	31	30	15	16	1	30	80631.8100	0.0162	0.020	0.0163	0.50
191:	31	16	16	1	31	30	16	15	1	30	80645.4959	0.0025	0.020	0.0026	0.50
192:	31	16	15	1	31	30	16	14	1	30	80645.4959	0.0025	0.020	0.0026	0.50
193:	31	18	13	1	31	30	18	12	1	30	80676.0062	0.0047	0.020	0.0048	0.50
194:	31	18	14	1	31	30	18	13	1	30	80676.0062	0.0047	0.020	0.0048	0.50
195:	31	19	13	1	31	30	19	12	1	30	80692.8133	0.0545	0.040	0.0546	0.50
196:	31	19	12	1	31	30	19	11	1	30	80692.8133	0.0545	0.040	0.0546	0.50
197:	31	22	10	1	31	30	22	9	1	30	80748.8197	-0.0193	0.020	-0.0193	0.50
198:	31	22	9	1	31	30	22	8	1	30	80748.8197	-0.0193	0.020	-0.0193	0.50
199:	31	3	28	1	31	30	3	27	1	30	80767.7199	-0.0402	0.020		
200:	31	23	8	1	31	30	23	7	1	30	80769.4334	0.0052	0.020	0.0053	0.50
201:	31	23	9	1	31	30	23	8	1	30	80769.4334	0.0052	0.020	0.0053	0.50
202:	31	1	30	1	31	30	1	29	1	30	81198.2334	-0.0063	0.020		
203:	33	0	33	1	33	32	1	32	1	32	81250.2650	0.0276	0.020		

204:	31	2	29	1	31	30	2	28	1	30	81335.4597	-0.0077	0.020		
205:	47	2	46	1	47	47	1	47	1	47	81678.6884	-0.0162	0.040		
206:	48	3	46	1	48	48	2	47	1	48	81690.6465	-0.0035	0.040		
207:	32	1	32	1	32	31	1	31	1	31	81710.1163	0.0021	0.020		
208:	32	0	32	1	32	31	0	31	1	31	82002.7470	0.0070	0.020		
209:	49	3	47	1	49	49	2	48	1	49	82609.7096	0.0302	0.040		
210:	32	2	31	1	32	31	2	30	1	31	82879.1415	0.0008	0.020		
211:	31	1	31	1	31	30	0	30	1	30	83047.0009	0.0094	0.020		
212:	32	8	25	1	32	31	8	24	1	31	83171.3489	0.0281	0.020	0.0020	0.25
213:	32	8	24	1	32	31	8	23	1	31	83171.3489	0.0281	0.020	0.0020	0.25
214:	32	7	26	1	32	31	7	25	1	31	83171.3489	-0.0241	0.020	0.0020	0.25
215:	32	7	25	1	32	31	7	24	1	31	83171.3489	-0.0242	0.020	0.0020	0.25
216:	32	9	23	1	32	31	9	22	1	31	83174.5467	-0.0143	0.020	-0.0143	0.50
217:	32	9	24	1	32	31	9	23	1	31	83174.5467	-0.0143	0.020	-0.0143	0.50
218:	32	6	26	1	32	31	6	25	1	31	83176.4813	0.0044	0.020	0.0061	0.50
219:	32	6	27	1	32	31	6	26	1	31	83176.4813	0.0077	0.020	0.0061	0.50
220:	32	10	22	1	32	31	10	21	1	31	83180.1868	-0.0042	0.020	-0.0043	0.50
221:	32	10	23	1	32	31	10	22	1	31	83180.1868	-0.0042	0.020	-0.0043	0.50
222:	32	11	21	1	32	31	11	20	1	31	83187.7034	-0.0032	0.020	-0.0032	0.50
223:	32	11	22	1	32	31	11	21	1	31	83187.7034	-0.0032	0.020	-0.0032	0.50
224:	32	5	28	1	32	31	5	27	1	31	83190.3941	0.0389	0.020		
225:	32	5	27	1	32	31	5	26	1	31	83190.5687	-0.0006	0.020		
226:	32	12	20	1	32	31	12	19	1	31	83196.8066	-0.0007	0.020	-0.0008	0.50
227:	32	12	21	1	32	31	12	20	1	31	83196.8066	-0.0007	0.020	-0.0008	0.50
228:	32	13	20	1	32	31	13	19	1	31	83207.2847	-0.0202	0.020	-0.0203	0.50
229:	32	13	19	1	32	31	13	18	1	31	83207.2847	-0.0202	0.020	-0.0203	0.50
230:	32	14	19	1	32	31	14	18	1	31	83219.0753	-0.0006	0.020	-0.0021	0.33
231:	32	14	18	1	32	31	14	17	1	31	83219.0753	-0.0006	0.020	-0.0021	0.33
232:	32	4	29	1	32	31	4	28	1	31	83219.0753	-0.0049	0.020	-0.0021	0.33
233:	32	3	30	1	32	31	3	29	1	31	83224.8171	-0.0016	0.020		
234:	32	4	28	1	32	31	4	27	1	31	83227.5104	-0.0027	0.020		
235:	32	15	17	1	32	31	15	16	1	31	83232.0290	-0.0075	0.020	-0.0075	0.50
236:	32	15	18	1	32	31	15	17	1	31	83232.0290	-0.0075	0.020	-0.0075	0.50
237:	32	16	16	1	32	31	16	15	1	31	83246.1305	0.0028	0.020	0.0028	0.50
238:	32	16	17	1	32	31	16	16	1	31	83246.1305	0.0028	0.020	0.0028	0.50
239:	32	17	16	1	32	31	17	15	1	31	83261.2976	-0.0093	0.020	-0.0093	0.50
240:	32	17	15	1	32	31	17	14	1	31	83261.2976	-0.0093	0.020	-0.0093	0.50
241:	32	18	14	1	32	31	18	13	1	31	83277.5400	-0.0024	0.020	-0.0024	0.50
242:	32	18	15	1	32	31	18	14	1	31	83277.5400	-0.0024	0.020	-0.0024	0.50
243:	32	19	13	1	32	31	19	12	1	31	83294.8062	-0.0036	0.020	-0.0037	0.50
244:	32	19	14	1	32	31	19	13	1	31	83294.8062	-0.0036	0.020	-0.0037	0.50
245:	32	20	12	1	32	31	20	11	1	31	83313.0995	0.0093	0.020	0.0094	0.50
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247:	32	21	11	1	32	31	21	10	1	31	83332.3965	0.0288	0.020	0.0288	0.50
248:	32	21	12	1	32	31	21	11	1	31	83332.3965	0.0288	0.020	0.0288	0.50
249:	32	22	10	1	32	31	22	9	1	31	83352.5790	-0.0505	0.040	-0.0506	0.50
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251:	32	23	10	1	32	31	23	9	1	31	83373.8653	0.0005	0.020	0.0006	0.50
252:	32	23	9	1	32	31	23	8	1	31	83373.8653	0.0005	0.020	0.0006	0.50
253:	32	3	29	1	32	31	3	28	1	31	83393.2645	-0.0131	0.020		
254:	32	24	8	1	32	31	24	7	1	31	83396.0335	-0.0298	0.020	-0.0298	0.50
255:	32	24	9	1	32	31	24	8	1	31	83396.0335	-0.0298	0.020	-0.0298	0.50
256:	79	3	76	1	79	79	2	77	1	79	83426.6779	-0.0026	0.040		
257:	32	27	5	1	32	31	27	4	1	31	83468.3220	-0.0311	0.020	-0.0312	0.50
258:	32	27	6	1	32	31	27	5	1	31	83468.3220	-0.0311	0.020	-0.0312	0.50
259:	65	2	63	1	65	65	1	64	1	65	83531.0997	0.0289	0.040		
260:	32	1	31	1	32	31	1	30	1	31	83783.6262	-0.0127	0.020		
261:	32	2	30	1	32	31	2	29	1	31	83983.7207	0.0026	0.020		
262:	33	1	33	1	33	32	1	32	1	32	84248.5773	-0.0100	0.020		
263:	33	0	33	1	33	32	0	32	1	32	84523.0880	-0.0103	0.020		
264:	32	1	32	1	32	31	0	31	1	31	85275.5219	-0.0790	0.040		
265:	33	2	32	1	33	32	2	31	1	32	85452.6636	-0.0134	0.040		
266:	52	3	50	1	52	52	2	51	1	52	85588.6270	-0.0887	0.090		
267:	33	8	26	1	33	32	8	25	1	32	85770.6902	-0.0003	0.020	-0.0003	0.50
268:	33	8	25	1	33	32	8	24	1	32	85770.6902	-0.0003	0.020	-0.0003	0.50
269:	33	7	26	1	33	32	7	25	1	32	85771.2009	-0.0196	0.020	-0.0197	0.50
270:	33	7	27	1	33	32	7	26	1	32	85771.2009	-0.0196	0.020	-0.0197	0.50
271:	33	9	24	1	33	32	9	23	1	32	85773.6905	-0.0179	0.020	-0.0180	0.50
272:	33	9	25	1	33	32	9	24	1	32	85773.6905	-0.0179	0.020	-0.0180	0.50
273:	33	6	28	1	33	32	6	27	1	32	85777.2350	0.0104	0.020	0.0081	0.50
274:	33	6	27	1	33	32	6	26	1	32	85777.2350	0.0057	0.020	0.0081	0.50
275:	33	10	24	1	33	32	10	23	1	32	85779.2935	0.0094	0.020	0.0094	0.50
276:	33	10	23	1	33	32	10	22	1	32	85779.2935	0.0094	0.020	0.0094	0.50
277:	33	11	22	1	33	32	11	21	1	32	85786.8586	-0.0059	0.020	-0.0059	0.50
278:	33	11	23	1	33	32	11	22	1	32	85786.8586	-0.0059	0.020	-0.0059	0.50
279:	33	5	29	1	33	32	5	28	1	32	85792.7849	0.0039	0.020		
280:	33	5	28	1	33	32	5	27	1	32	85793.0886	0.0250	0.020		
281:	33	12	22	1	33	32	12	21	1	32	85796.1143	-0.0061	0.020	-0.0061	0.50
282:	33	12	21	1	33	32	12	20	1	32	85796.1143	-0.0061	0.020	-0.0061	0.50
283:	33	13	21	1	33	32	13	20	1	32	85806.8380	-0.0073	0.020	-0.0073	0.50
284:	33	13	20	1	33	32	13	19	1	32	85806.8380	-0.0073	0.020	-0.0073	0.50
285:	33	14	19	1	33	32	14	18	1	32	85818.9078	0.0037	0.020	0.0038	0.50
286:	33	14	20	1	33	32	14	19	1	32	85818.9078	0.0037	0.020	0.0038	0.50

287:	33	4	30	1	33	32	4	29	1	32	85824.0575	-0.0073	0.020		
288:	33	3	31	1	33	32	3	30	1	32	85826.3343	0.0116	0.020		
289:	33	15	18	1	33	32	15	17	1	32	85832.1976	-0.0070	0.020	-0.0070	0.50
290:	33	15	19	1	33	32	15	18	1	32	85832.1976	-0.0070	0.020	-0.0070	0.50
291:	33	4	29	1	33	32	4	28	1	32	85834.5255	0.0218	0.020		
292:	33	16	18	1	33	32	16	17	1	32	85846.7196	0.0369	0.020	0.0369	0.50
293:	33	16	17	1	33	32	16	16	1	32	85846.7196	0.0369	0.020	0.0369	0.50
294:	33	17	17	1	33	32	17	16	1	32	85862.2810	-0.0105	0.020	-0.0106	0.50
295:	33	17	16	1	33	32	17	15	1	32	85862.2810	-0.0105	0.020	-0.0106	0.50
296:	33	18	16	1	33	32	18	15	1	32	85879.0065	0.0098	0.020	0.0098	0.50
297:	33	18	15	1	33	32	18	14	1	32	85879.0065	0.0098	0.020	0.0098	0.50
298:	33	19	14	1	33	32	19	13	1	32	85896.7631	-0.0082	0.020	-0.0083	0.50
299:	33	19	15	1	33	32	19	14	1	32	85896.7631	-0.0082	0.020	-0.0083	0.50
300:	33	20	14	1	33	32	20	13	1	32	85915.5762	-0.0186	0.020	-0.0187	0.50
301:	33	20	13	1	33	32	20	12	1	32	85915.5762	-0.0186	0.020	-0.0187	0.50
302:	33	21	12	1	33	32	21	11	1	32	85935.4774	0.0270	0.020	0.0270	0.50
303:	33	21	13	1	33	32	21	12	1	32	85935.4774	0.0270	0.020	0.0270	0.50
304:	33	22	12	1	33	32	22	11	1	32	85956.3162	-0.0076	0.020	-0.0077	0.50
305:	33	22	11	1	33	32	22	10	1	32	85956.3162	-0.0076	0.020	-0.0077	0.50
306:	33	23	10	1	33	32	23	9	1	32	85978.2177	0.0142	0.020	0.0143	0.50
307:	33	23	11	1	33	32	23	10	1	32	85978.2177	0.0142	0.020	0.0143	0.50
308:	33	24	9	1	33	32	24	8	1	32	86001.1245	0.0460	0.040	0.0460	0.50
309:	33	24	10	1	33	32	24	9	1	32	86001.1245	0.0460	0.040	0.0460	0.50
310:	97	5	92	1	97	97	4	93	1	97	86019.1507	-0.0274	0.040		
311:	33	3	30	1	33	32	3	29	1	32	86021.2002	0.0230	0.020		
312:	33	25	9	1	33	32	25	8	1	32	86024.9299	-0.0096	0.020	-0.0096	0.50
313:	33	25	8	1	33	32	25	7	1	32	86024.9299	-0.0096	0.020	-0.0096	0.50
314:	33	26	7	1	33	32	26	6	1	32	86049.7960	0.0183	0.020	0.0183	0.50
315:	33	26	8	1	33	32	26	7	1	32	86049.7960	0.0183	0.020	0.0183	0.50
316:	33	28	5	1	33	32	28	4	1	32	86102.3235	-0.0283	0.020	-0.0284	0.50
317:	33	28	6	1	33	32	28	5	1	32	86102.3235	-0.0283	0.020	-0.0284	0.50
318:	33	29	4	1	33	32	29	3	1	32	86130.0930	0.0215	0.020	0.0215	0.50
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320:	33	30	3	1	33	32	30	2	1	32	86158.7295	-0.0057	0.020	-0.0057	0.50
321:	33	30	4	1	33	32	30	3	1	32	86158.7295	-0.0057	0.020	-0.0057	0.50
322:	96	5	91	1	96	96	4	92	1	96	86295.2708	-0.0319	0.040		
323:	33	1	32	1	33	32	1	31	1	32	86365.3453	0.0045	0.020		
324:	33	2	31	1	33	32	2	30	1	32	86630.9902	-0.0174	0.020		
325:	34	1	34	1	34	33	1	33	1	33	86786.1941	0.0117	0.020		
326:	35	0	35	1	35	34	1	34	1	34	86820.3093	0.0443	0.040		
327:	34	0	34	1	34	33	0	33	1	33	87042.7921	0.0008	0.020		
328:	33	1	33	1	33	32	0	32	1	32	87521.4625	0.0141	0.020		
329:	54	3	52	1	54	54	2	53	1	54	87758.1790	-0.0504	0.060		
330:	34	2	33	1	34	33	2	32	1	33	88024.8016	0.0018	0.020		
331:	81	3	78	1	81	81	2	79	1	81	88118.2490	-0.0026	0.040		
332:	92	5	87	1	92	92	4	88	1	92	88273.0196	-0.0394	0.060		
333:	34	8	26	1	34	33	8	25	1	33	88370.0945	0.0102	0.020	0.0103	0.50
334:	34	8	27	1	34	33	8	26	1	33	88370.0945	0.0103	0.020	0.0103	0.50
335:	34	7	27	1	34	33	7	26	1	33	88371.1764	0.0404	0.040	0.0405	0.50
336:	34	7	28	1	34	33	7	27	1	33	88371.1764	0.0405	0.040	0.0405	0.50
337:	34	9	25	1	34	33	9	24	1	33	88372.8685	0.0184	0.020	0.0184	0.50
338:	34	9	26	1	34	33	9	25	1	33	88372.8685	0.0184	0.020	0.0184	0.50
339:	34	6	29	1	34	33	6	28	1	33	88378.1100	-0.0022	0.020	-0.0054	0.50
340:	34	6	28	1	34	33	6	27	1	33	88378.1100	-0.0086	0.020	-0.0054	0.50
341:	34	10	25	1	34	33	10	24	1	33	88378.3788	0.0286	0.020	0.0286	0.50
342:	34	10	24	1	34	33	10	23	1	33	88378.3788	0.0286	0.020	0.0286	0.50
343:	34	11	23	1	34	33	11	22	1	33	88385.9846	0.0047	0.020	0.0048	0.50
344:	34	11	24	1	34	33	11	23	1	33	88385.9846	0.0047	0.020	0.0048	0.50
345:	34	5	30	1	34	33	5	29	1	33	88395.4180	-0.0357	0.020	0.0141	0.33
346:	34	12	23	1	34	33	12	22	1	33	88395.4180	0.0389	0.020	0.0141	0.33
347:	34	12	22	1	34	33	12	21	1	33	88395.4180	0.0389	0.020	0.0141	0.33
348:	34	5	29	1	34	33	5	28	1	33	88395.8117	-0.0116	0.020		
349:	34	13	22	1	34	33	13	21	1	33	88406.3364	0.0143	0.020	0.0144	0.50
350:	34	13	21	1	34	33	13	20	1	33	88406.3364	0.0143	0.020	0.0144	0.50
351:	34	14	21	1	34	33	14	20	1	33	88418.6559	-0.0051	0.020	-0.0051	0.50
352:	34	14	20	1	34	33	14	19	1	33	88418.6559	-0.0051	0.020	-0.0051	0.50
353:	34	3	32	1	34	33	3	31	1	33	88427.3867	-0.0135	0.020		
354:	34	4	31	1	34	33	4	30	1	33	88429.3900	0.0338	0.020		
355:	34	15	19	1	34	33	15	18	1	33	88432.2859	-0.0098	0.020	-0.0098	0.50
356:	34	15	20	1	34	33	15	19	1	33	88432.2859	-0.0098	0.020	-0.0098	0.50
357:	67	2	65	1	67	67	1	66	1	67	88433.9385	0.0580	0.040		
358:	34	4	30	1	34	33	4	29	1	33	88442.2171	0.0259	0.020		
359:	34	16	18	1	34	33	16	17	1	33	88447.1585	0.0027	0.020	0.0027	0.50
360:	34	16	19	1	34	33	16	18	1	33	88447.1585	0.0027	0.020	0.0027	0.50
361:	34	17	18	1	34	33	17	17	1	33	88463.1711	-0.0191	0.020	-0.0192	0.50
362:	34	17	17	1	34	33	17	16	1	33	88463.1711	-0.0191	0.020	-0.0192	0.50
363:	34	18	16	1	34	33	18	15	1	33	88480.3726	0.0111	0.020	0.0112	0.50
364:	34	18	17	1	34	33	18	16	1	33	88480.3726	0.0111	0.020	0.0112	0.50
365:	34	19	15	1	34	33	19	14	1	33	88498.6451	0.0046	0.020	0.0047	0.50
366:	34	19	16	1	34	33	19	15	1	33	88498.6451	0.0046	0.020	0.0047	0.50
367:	34	20	14	1	34	33	20	13	1	33	88518.0086	0.0039	0.020	0.0040	0.50
368:	34	20	15	1	34	33	20	14	1	33	88518.0086	0.0039	0.020	0.0040	0.50
369:	34	21	13	1	34	33	21	12	1	33	88538.4983	0.0624	0.040	0.0625	0.50

370:	34	21	14	1	34	33	21	13	1	33	88538.4983	0.0624	0.040	0.0625	0.50
371:	34	22	12	1	34	33	22	11	1	33	88559.9279	0.0089	0.020	0.0089	0.50
372:	34	22	13	1	34	33	22	12	1	33	88559.9279	0.0089	0.020	0.0089	0.50
373:	34	23	11	1	34	33	23	10	1	33	88582.4605	0.0193	0.020	0.0194	0.50
374:	34	23	12	1	34	33	23	11	1	33	88582.4605	0.0193	0.020	0.0194	0.50
375:	34	24	10	1	34	33	24	9	1	33	88606.0305	0.0394	0.040	0.0394	0.50
376:	34	24	11	1	34	33	24	10	1	33	88606.0305	0.0394	0.040	0.0394	0.50
377:	44	8	37	1	44	45	7	38	1	45	88613.0441	-0.0194	0.040	-0.0249	0.50
378:	44	8	36	1	44	45	7	39	1	45	88613.0441	-0.0304	0.040	-0.0249	0.50
379:	34	25	9	1	34	33	25	8	1	33	88630.5916	0.0329	0.020	0.0330	0.50
380:	34	25	10	1	34	33	25	9	1	33	88630.5916	0.0329	0.020	0.0330	0.50
381:	34	3	31	1	34	33	3	30	1	33	88651.5365	-0.0141	0.020		
382:	34	26	8	1	34	33	26	7	1	33	88656.1453	0.0109	0.020	0.0109	0.50
383:	34	26	9	1	34	33	26	8	1	33	88656.1453	0.0109	0.020	0.0109	0.50
384:	34	30	4	1	34	33	30	3	1	33	88768.3897	0.0456	0.040	0.0457	0.50
385:	34	30	5	1	34	33	30	4	1	33	88768.3897	0.0456	0.040	0.0457	0.50
386:	34	1	33	1	34	33	1	32	1	33	88943.2259	0.0152	0.020		
387:	34	2	32	1	34	33	2	31	1	33	89277.0441	0.0010	0.020		
388:	35	1	35	1	35	34	1	34	1	34	89322.9251	-0.0022	0.020		
389:	55	1	54	1	55	55	0	55	1	55	89496.4430	0.0234	0.020		
390:	35	0	35	1	35	34	0	34	1	34	89562.0076	0.0016	0.020		
391:	36	0	36	1	36	35	1	35	1	35	89578.2328	-0.0090	0.020		
392:	34	1	34	1	34	33	0	33	1	33	89784.5265	-0.0058	0.020		
393:	41	1	40	1	41	40	2	39	1	40	89907.2207	0.0123	0.040		
394:	56	3	54	1	56	56	2	55	1	56	90071.9595	0.0505	0.060		
395:	52	2	51	1	52	52	1	52	1	52	90095.7922	-0.0473	0.040	-0.0473	0.50
396:	52	2	51	1	52	52	1	52	1	52	90095.7922	-0.0473	0.040	-0.0473	0.50
397:	22	2	21	1	22	21	1	20	1	21	90409.1656	-0.0113	0.040		
398:	35	2	34	1	35	34	2	33	1	34	90595.5012	0.0148	0.020		
399:	62	3	59	1	62	61	4	58	1	61	90842.4700	0.0080	0.040		
400:	35	8	28	1	35	34	8	27	1	34	90969.5206	0.0181	0.020	0.0181	0.50
401:	35	8	27	1	35	34	8	26	1	34	90969.5206	0.0181	0.020	0.0181	0.50
402:	35	7	29	1	35	34	7	28	1	34	90971.1218	0.0008	0.020	0.0008	0.50
403:	35	7	28	1	35	34	7	27	1	34	90971.1218	0.0007	0.020	0.0008	0.50
404:	35	9	26	1	35	34	9	25	1	34	90971.9674	-0.0182	0.020	-0.0182	0.50
405:	35	9	27	1	35	34	9	26	1	34	90971.9674	-0.0182	0.020	-0.0182	0.50
406:	35	10	26	1	35	34	10	25	1	34	90977.3955	0.0071	0.020	0.0071	0.50
407:	35	10	25	1	35	34	10	24	1	34	90977.3955	0.0071	0.020	0.0071	0.50
408:	35	6	29	1	35	34	6	28	1	34	90979.1238	-0.0256	0.020	-0.0213	0.50
409:	35	6	30	1	35	34	6	29	1	34	90979.1238	-0.0168	0.020	-0.0213	0.50
410:	35	11	24	1	35	34	11	23	1	34	90985.0604	0.0091	0.020	0.0092	0.50
411:	35	11	25	1	35	34	11	24	1	34	90985.0604	0.0091	0.020	0.0092	0.50
412:	35	12	24	1	35	34	12	23	1	34	90994.5909	0.0093	0.020	0.0094	0.50
413:	35	12	23	1	35	34	12	22	1	34	90994.5909	0.0093	0.020	0.0094	0.50
414:	35	5	31	1	35	34	5	30	1	34	90998.4145	0.0348	0.020		
415:	35	5	30	1	35	34	5	29	1	34	90998.8178	-0.0415	0.040		
416:	35	13	23	1	35	34	13	22	1	34	91005.7361	0.0030	0.020	0.0030	0.50
417:	35	13	22	1	35	34	13	21	1	34	91005.7361	0.0030	0.020	0.0030	0.50
418:	35	14	21	1	35	34	14	20	1	34	91018.3498	0.0049	0.020	0.0049	0.50
419:	35	14	22	1	35	34	14	21	1	34	91018.3498	0.0049	0.020	0.0049	0.50
420:	35	3	33	1	35	34	3	32	1	34	91027.9809	-0.0046	0.020		
421:	35	15	20	1	35	34	15	19	1	34	91032.3016	-0.0059	0.020	-0.0060	0.50
422:	35	15	21	1	35	34	15	20	1	34	91032.3016	-0.0059	0.020	-0.0060	0.50
423:	35	4	32	1	35	34	4	31	1	34	91034.9319	-0.0120	0.020		
424:	35	16	19	1	35	34	16	18	1	34	91047.5440	-0.0005	0.020	-0.0005	0.50
425:	35	16	20	1	35	34	16	19	1	34	91047.5440	-0.0005	0.020	-0.0005	0.50
426:	35	4	31	1	35	34	4	30	1	34	91050.6333	0.0087	0.020		
427:	35	17	18	1	35	34	17	17	1	34	91063.9952	-0.0051	0.020	-0.0052	0.50
428:	35	17	19	1	35	34	17	18	1	34	91063.9952	-0.0051	0.020	-0.0052	0.50
429:	35	18	17	1	35	34	18	16	1	34	91081.6564	0.0223	0.020	0.0224	0.50
430:	35	18	18	1	35	34	18	17	1	34	91081.6564	0.0223	0.020	0.0224	0.50
431:	35	19	16	1	35	34	19	15	1	34	91100.3929	-0.0213	0.020	-0.0214	0.50
432:	35	19	17	1	35	34	19	16	1	34	91100.3929	-0.0213	0.020	-0.0214	0.50
433:	35	20	15	1	35	34	20	14	1	34	91120.3288	0.0122	0.020	0.0123	0.50
434:	35	20	16	1	35	34	20	15	1	34	91120.3288	0.0122	0.020	0.0123	0.50
435:	35	21	14	1	35	34	21	13	1	34	91141.3184	-0.0027	0.020	-0.0027	0.50
436:	35	21	15	1	35	34	21	14	1	34	91141.3184	-0.0027	0.020	-0.0027	0.50
437:	35	22	14	1	35	34	22	13	1	34	91163.4190	0.0071	0.020	0.0072	0.50
438:	35	22	13	1	35	34	22	12	1	34	91163.4190	0.0071	0.020	0.0072	0.50
439:	35	23	12	1	35	34	23	11	1	34	91186.5866	0.0117	0.020	0.0118	0.50
440:	35	23	13	1	35	34	23	12	1	34	91186.5866	0.0117	0.020	0.0118	0.50
441:	35	24	11	1	35	34	24	10	1	34	91210.8063	0.0082	0.020	0.0083	0.50
442:	35	24	12	1	35	34	24	11	1	34	91210.8063	0.0082	0.020	0.0083	0.50
443:	43	8	36	1	43	44	7	37	1	44	91222.8284	-0.0096	0.040	-0.0136	0.50
444:	43	8	35	1	43	44	7	38	1	44	91222.8284	-0.0176	0.040	-0.0136	0.50
445:	35	25	10	1	35	34	25	9	1	34	91236.0812	0.0106	0.020	0.0106	0.50
446:	35	25	11	1	35	34	25	10	1	34	91236.0812	0.0106	0.020	0.0106	0.50
447:	35	26	9	1	35	34	26	8	1	34	91262.3795	-0.0031	0.020	-0.0031	0.50
448:	35	26	10	1	35	34	26	9	1	34	91262.3795	-0.0031	0.020	-0.0031	0.50
449:	35	3	32	1	35	34	3	31	1	34	91284.4646	-0.0110	0.020		
450:	35	27	8	1	35	34	27	7	1	34	91289.7401	0.0155	0.020	0.0155	0.50
451:	35	27	9	1	35	34	27	8	1	34	91289.7401	0.0155	0.020	0.0155	0.50
452:	35	28	7	1	35	34	28	6	1	34	91318.0812	-0.0062	0.020	-0.0063	0.50

453:	35	28	8	1	35	34	28	7	1	34	91318.0812	-0.0062	0.020	-0.0063	0.50
454:	35	1	34	1	35	34	1	33	1	34	91517.1230	-0.0051	0.020		
455:	36	1	36	1	36	35	1	35	1	35	91858.8550	0.0030	0.020		
456:	35	2	33	1	35	34	2	32	1	34	91921.5635	0.0116	0.020		
457:	35	1	35	1	35	34	0	34	1	34	92064.6406	-0.0278	0.020		
458:	36	0	36	1	36	35	0	35	1	35	92080.9025	-0.0018	0.020		
459:	37	0	37	1	37	36	1	36	1	36	92319.0019	-0.0114	0.020		
460:	83	3	80	1	83	83	2	81	1	83	93009.4779	0.0515	0.060		
461:	36	2	35	1	36	35	2	34	1	35	93164.7231	0.0059	0.020		
462:	42	1	41	1	42	41	2	40	1	41	93337.0591	0.0285	0.040		
463:	36	8	29	1	36	35	8	28	1	35	93568.9543	0.0082	0.020	0.0083	0.50
464:	36	8	28	1	36	35	8	27	1	35	93568.9543	0.0082	0.020	0.0083	0.50
465:	36	9	28	1	36	35	9	27	1	35	93571.1410	0.0261	0.020	-0.0054	0.25
466:	36	9	27	1	36	35	9	26	1	35	93571.1410	0.0261	0.020	-0.0054	0.25
467:	36	7	30	1	36	35	7	29	1	35	93571.1410	-0.0368	0.020	-0.0054	0.25
468:	36	7	29	1	36	35	7	28	1	35	93571.1410	-0.0370	0.020	-0.0054	0.25
469:	36	10	27	1	36	35	10	26	1	35	93576.3797	-0.0182	0.020	-0.0182	0.50
470:	36	10	26	1	36	35	10	25	1	35	93576.3797	-0.0182	0.020	-0.0182	0.50
471:	36	6	30	1	36	35	6	29	1	35	93580.3299	0.0039	0.020	0.0100	0.50
472:	36	6	31	1	36	35	6	30	1	35	93580.3299	0.0160	0.020	0.0100	0.50
473:	36	11	26	1	36	35	11	25	1	35	93584.0802	0.0028	0.020	0.0028	0.50
474:	36	11	25	1	36	35	11	24	1	35	93584.0802	0.0028	0.020	0.0028	0.50
475:	36	12	25	1	36	35	12	24	1	35	93593.7340	0.0078	0.020	0.0078	0.50
476:	36	12	24	1	36	35	12	23	1	35	93593.7340	0.0078	0.020	0.0078	0.50
477:	54	2	53	1	54	54	1	54	1	54	93595.0629	0.0057	0.040		
478:	36	5	32	1	36	35	5	31	1	35	93601.6294	0.0646	0.040		
479:	36	5	31	1	36	35	5	30	1	35	93602.1449	-0.0375	0.020		
480:	36	13	23	1	36	35	13	22	1	35	93605.0879	0.0113	0.020	0.0114	0.50
481:	36	13	24	1	36	35	13	23	1	35	93605.0879	0.0113	0.020	0.0114	0.50
482:	36	14	22	1	36	35	14	21	1	35	93617.9429	-0.0104	0.020	-0.0104	0.50
483:	36	14	23	1	36	35	14	22	1	35	93617.9429	-0.0104	0.020	-0.0104	0.50
484:	36	3	34	1	36	35	3	33	1	35	93627.9927	-0.0192	0.020		
485:	36	15	21	1	36	35	15	20	1	35	93632.2260	-0.0116	0.020	-0.0117	0.50
486:	36	15	22	1	36	35	15	21	1	35	93632.2260	-0.0116	0.020	-0.0117	0.50
487:	36	4	33	1	36	35	4	32	1	35	93640.8243	0.0095	0.020		
488:	36	16	21	1	36	35	16	20	1	35	93647.8535	0.0071	0.020	0.0072	0.50
489:	36	16	20	1	36	35	16	19	1	35	93647.8535	0.0071	0.020	0.0072	0.50
490:	36	4	32	1	36	35	4	31	1	35	93659.8748	0.0181	0.020		
491:	36	17	20	1	36	35	17	19	1	35	93664.7206	0.0013	0.020	0.0014	0.50
492:	36	17	19	1	36	35	17	18	1	35	93664.7206	0.0013	0.020	0.0014	0.50
493:	36	18	19	1	36	35	18	18	1	35	93682.7989	-0.0128	0.020	-0.0129	0.50
494:	36	18	18	1	36	35	18	17	1	35	93682.7989	-0.0128	0.020	-0.0129	0.50
495:	36	19	17	1	36	35	19	16	1	35	93702.0982	0.0081	0.020	0.0081	0.50
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497:	36	20	17	1	36	35	20	16	1	35	93722.5458	0.0181	0.020	0.0181	0.50
498:	36	20	16	1	36	35	20	15	1	35	93722.5458	0.0181	0.020	0.0181	0.50
499:	36	21	16	1	36	35	21	15	1	35	93744.1229	0.0195	0.020	0.0196	0.50
500:	36	21	15	1	36	35	21	14	1	35	93744.1229	0.0195	0.020	0.0196	0.50
501:	36	22	14	1	36	35	22	13	1	35	93766.7828	-0.0167	0.020	-0.0167	0.50
502:	36	22	15	1	36	35	22	14	1	35	93766.7828	-0.0167	0.020	-0.0167	0.50
503:	36	23	14	1	36	35	23	13	1	35	93790.5887	-0.0127	0.020	-0.0127	0.50
504:	36	23	13	1	36	35	23	12	1	35	93790.5887	-0.0127	0.020	-0.0127	0.50
505:	36	24	12	1	36	35	24	11	1	35	93815.5205	0.0243	0.020	0.0243	0.50
506:	36	24	13	1	36	35	24	12	1	35	93815.5205	0.0243	0.020	0.0243	0.50
507:	36	25	12	1	36	35	25	11	1	35	93841.4560	-0.0163	0.020	-0.0163	0.50
508:	36	25	11	1	36	35	25	10	1	35	93841.4560	-0.0163	0.020	-0.0163	0.50
509:	36	26	10	1	36	35	26	9	1	35	93868.4640	-0.0551	0.040	-0.0552	0.50
510:	36	26	11	1	36	35	26	10	1	35	93868.4640	-0.0551	0.040	-0.0552	0.50
511:	36	27	9	1	36	35	27	8	1	35	93896.6581	0.0312	0.020	0.0312	0.50
512:	36	27	10	1	36	35	27	9	1	35	93896.6581	0.0312	0.020	0.0312	0.50
513:	36	3	33	1	36	35	3	32	1	35	93920.0064	-0.0051	0.020		
514:	36	28	8	1	36	35	28	7	1	35	93925.7874	0.0016	0.020	0.0016	0.50
515:	36	28	9	1	36	35	28	8	1	35	93925.7874	0.0016	0.020	0.0016	0.50
516:	36	29	8	1	36	35	29	7	1	35	93955.9680	-0.0185	0.020	-0.0185	0.50
517:	36	29	7	1	36	35	29	6	1	35	93955.9680	-0.0185	0.020	-0.0185	0.50
518:	36	1	35	1	36	35	1	34	1	35	94087.0188	0.0279	0.020		
519:	36	1	36	1	36	35	0	35	1	35	94361.5322	0.0177	0.020		
520:	37	1	37	1	37	36	1	36	1	36	94393.9776	-0.0089	0.020		
521:	36	2	34	1	36	35	2	33	1	35	94564.2816	-0.0015	0.020		
522:	37	0	37	1	37	36	0	36	1	36	94599.6179	-0.0056	0.020		
523:	38	0	38	1	38	37	1	37	1	37	95043.3151	0.0107	0.020		
524:	60	3	58	1	60	60	2	59	1	60	95117.2477	0.0552	0.060		
525:	84	5	79	1	84	84	4	80	1	84	95386.5691	-0.0048	0.040		
526:	37	2	36	1	37	36	2	35	1	36	95732.4647	-0.0106	0.020		
527:	33	4	30	1	33	33	3	31	1	33	95860.2595	-0.0585	0.090		
528:	34	4	31	1	34	34	3	32	1	34	95862.2437	-0.0303	0.060		
529:	32	4	29	1	32	32	3	30	1	32	95862.5177	-0.0582	0.090		
530:	31	4	28	1	31	31	3	29	1	31	95868.4128	0.0983	0.060		
531:	35	4	32	1	35	35	3	33	1	35	95869.2606	0.0282	0.040		
532:	36	4	33	1	36	36	3	34	1	36	95882.0193	-0.0159	0.040		
533:	29	4	26	1	29	29	3	27	1	29	95887.5622	-0.0224	0.060		
534:	28	4	25	1	28	28	3	26	1	28	95899.9077	-0.0278	0.060		
535:	37	4	34	1	37	37	3	35	1	37	95901.5785	0.0024	0.040		

536:	21	4	17	1	21	21	3	18	1	21	95911.7065	0.0798	0.060		
537:	27	4	24	1	27	27	3	25	1	27	95913.3836	-0.0220	0.060		
538:	26	4	23	1	26	26	3	24	1	26	95927.5128	-0.0350	0.060		
539:	38	4	35	1	38	38	3	36	1	38	95928.8187	0.0216	0.040		
540:	25	4	22	1	25	25	3	23	1	25	95941.9488	-0.0217	0.060		
541:	20	4	16	1	20	20	3	17	1	20	95944.5197	0.0993	0.060		
542:	24	4	21	1	24	24	3	22	1	24	95956.4176	0.0816	0.060		
543:	39	4	36	1	39	39	3	37	1	39	95964.6750	-0.0111	0.040		
544:	23	4	20	1	23	23	3	21	1	23	95970.3710	0.0120	0.040		
545:	19	4	15	1	19	19	3	16	1	19	95971.6839	-0.0130	0.040		
546:	40	4	37	1	40	40	3	38	1	40	96010.2350	-0.0383	0.060		
547:	19	4	16	1	19	19	3	17	1	19	96019.0997	0.0981	0.060		
548:	18	4	15	1	18	18	3	16	1	18	96028.6618	-0.0114	0.040		
549:	17	4	14	1	17	17	3	15	1	17	96037.2316	-0.0003	0.040		
550:	16	4	13	1	16	16	3	14	1	16	96044.6814	0.0059	0.040		
551:	42	4	39	1	42	42	3	40	1	42	96134.8242	-0.0257	0.060		
552:	37	8	30	1	37	36	8	29	1	36	96168.4261	0.0106	0.020	0.0107	0.50
553:	37	8	29	1	37	36	8	28	1	36	96168.4261	0.0106	0.020	0.0107	0.50
554:	37	9	28	1	37	36	9	27	1	36	96170.2441	0.0065	0.020	0.0066	0.50
555:	37	9	29	1	37	36	9	28	1	36	96170.2441	0.0065	0.020	0.0066	0.50
556:	37	7	31	1	37	36	7	30	1	36	96171.3128	0.0041	0.020	0.0041	0.50
557:	37	7	30	1	37	36	7	29	1	36	96171.3128	0.0039	0.020	0.0041	0.50
558:	37	10	28	1	37	36	10	27	1	36	96175.3667	-0.0111	0.020	-0.0111	0.50
559:	37	10	27	1	37	36	10	26	1	36	96175.3667	-0.0111	0.020	-0.0111	0.50
560:	37	6	31	1	37	36	6	30	1	36	96181.6418	-0.0105	0.020	-0.0024	0.50
561:	37	6	32	1	37	36	6	31	1	36	96181.6418	0.0057	0.020	-0.0024	0.50
562:	37	11	26	1	37	36	11	25	1	36	96183.0697	0.0127	0.020	0.0127	0.50
563:	37	11	27	1	37	36	11	26	1	36	96183.0697	0.0127	0.020	0.0127	0.50
564:	37	12	26	1	37	36	12	25	1	36	96192.8197	0.0083	0.020	0.0083	0.50
565:	37	12	25	1	37	36	12	24	1	36	96192.8197	0.0083	0.020	0.0083	0.50
566:	37	13	25	1	37	36	13	24	1	36	96204.3679	0.0174	0.020	0.0175	0.50
567:	37	13	24	1	37	36	13	23	1	36	96204.3679	0.0174	0.020	0.0175	0.50
568:	37	5	33	1	37	36	5	32	1	36	96205.0307	0.0163	0.020		
569:	37	5	32	1	37	36	5	31	1	36	96205.7921	-0.0120	0.020		
570:	43	4	40	1	43	43	3	41	1	43	96216.0715	-0.0025	0.040		
571:	37	14	23	1	37	36	14	22	1	36	96217.4890	0.0047	0.020	0.0048	0.50
572:	37	14	24	1	37	36	14	23	1	36	96217.4890	0.0047	0.020	0.0048	0.50
573:	37	3	35	1	37	36	3	34	1	36	96227.3972	-0.0151	0.020		
574:	37	15	23	1	37	36	15	22	1	36	96232.0852	0.0014	0.020	0.0014	0.50
575:	37	15	22	1	37	36	15	21	1	36	96232.0852	0.0014	0.020	0.0014	0.50
576:	37	4	34	1	37	36	4	33	1	36	96246.9436	-0.0095	0.020		
577:	37	16	22	1	37	36	16	21	1	36	96248.0556	-0.0032	0.020	-0.0032	0.50
578:	37	16	21	1	37	36	16	20	1	36	96248.0556	-0.0032	0.020	-0.0032	0.50
579:	37	17	20	1	37	36	17	19	1	36	96265.3451	0.0008	0.020	0.0008	0.50
580:	37	17	21	1	37	36	17	20	1	36	96265.3451	0.0008	0.020	0.0008	0.50
581:	37	4	33	1	37	36	4	32	1	36	96269.9496	0.0054	0.020		
582:	37	18	20	1	37	36	18	19	1	36	96283.8880	-0.0039	0.020	-0.0039	0.50
583:	37	18	19	1	37	36	18	18	1	36	96283.8880	-0.0039	0.020	-0.0039	0.50
584:	37	19	19	1	37	36	19	18	1	36	96303.6700	0.0048	0.020	0.0049	0.50
585:	37	19	18	1	37	36	19	17	1	36	96303.6700	0.0048	0.020	0.0049	0.50
586:	37	21	16	1	37	36	21	15	1	36	96346.7703	-0.0091	0.020	-0.0092	0.50
587:	37	21	17	1	37	36	21	16	1	36	96346.7703	-0.0091	0.020	-0.0092	0.50
588:	37	22	15	1	37	36	22	14	1	36	96370.0931	0.0141	0.020	0.0141	0.50
589:	37	22	16	1	37	36	22	15	1	36	96370.0931	0.0141	0.020	0.0141	0.50
590:	37	23	14	1	37	36	23	13	1	36	96394.4843	-0.0336	0.020	-0.0336	0.50
591:	37	23	15	1	37	36	23	14	1	36	96394.4843	-0.0336	0.020	-0.0336	0.50
592:	37	24	13	1	37	36	24	12	1	36	96420.0749	-0.0076	0.020	-0.0076	0.50
593:	37	24	14	1	37	36	24	13	1	36	96420.0749	-0.0076	0.020	-0.0076	0.50
594:	41	8	34	1	41	42	7	35	1	42	96439.1100	0.0399	0.060	0.0378	0.50
595:	41	8	33	1	41	42	7	36	1	42	96439.1100	0.0357	0.060	0.0378	0.50
596:	37	25	12	1	37	36	25	11	1	36	96446.7351	-0.0255	0.020	-0.0255	0.50
597:	37	25	13	1	37	36	25	12	1	36	96446.7351	-0.0255	0.020	-0.0255	0.50
598:	61	3	59	1	61	61	2	60	1	61	96462.1675	0.0017	0.040		
599:	46	4	43	1	46	46	3	44	1	46	96549.4540	0.0304	0.040		
600:	37	3	34	1	37	36	3	33	1	36	96558.1743	-0.0214	0.020		
601:	37	30	7	1	37	36	30	6	1	36	96596.4378	-0.0421	0.040	-0.0422	0.50
602:	37	30	8	1	37	36	30	7	1	36	96596.4378	-0.0421	0.040	-0.0422	0.50
603:	37	31	6	1	37	36	31	5	1	36	96629.5829	-0.0369	0.020	-0.0369	0.50
604:	37	31	7	1	37	36	31	6	1	36	96629.5829	-0.0369	0.020	-0.0369	0.50
605:	37	1	36	1	37	36	1	35	1	36	96652.7186	0.0012	0.020		
606:	37	1	37	1	37	36	0	36	1	36	96674.6439	0.0471	0.040		
607:	47	4	44	1	47	47	3	45	1	47	96694.4056	0.0032	0.040		
608:	48	4	45	1	48	48	3	46	1	48	96858.2906	-0.0289	0.060		
609:	38	1	38	1	38	37	1	37	1	37	96928.3576	-0.0045	0.020		
610:	49	4	46	1	49	49	3	47	1	49	97042.3833	0.0018	0.040		
611:	38	0	38	1	38	37	0	37	1	37	97118.2396	-0.0379	0.020		
612:	82	5	77	1	82	82	4	78	1	82	97554.9433	0.0257	0.040		
613:	30	7	24	1	30	31	6	25	1	31	97689.4217	0.0402	0.060	0.0366	0.50
614:	30	7	23	1	30	31	6	26	1	31	97689.4217	0.0330	0.060	0.0366	0.50
615:	52	4	49	1	52	52	3	50	1	52	97727.3242	-0.0576	0.060		
616:	26	2	25	1	26	25	1	24	1	25	97732.1073	0.0317	0.040		
617:	53	4	50	1	53	53	3	51	1	53	98003.9512	0.0586	0.040		
618:	38	2	37	1	38	37	2	36	1	37	98298.7449	-0.0018	0.020		

619:	54	4	51	1	54	54	3	52	1	54	98306.4312	0.0420	0.040		
620:	38	8	31	1	38	37	8	30	1	37	98767.9064	-0.0049	0.020	-0.0049	0.50
621:	38	8	30	1	38	37	8	29	1	37	98767.9064	-0.0049	0.020	-0.0049	0.50
622:	38	9	30	1	38	37	9	29	1	37	98769.3554	0.0020	0.020	0.0020	0.50
623:	38	9	29	1	38	37	9	28	1	37	98769.3554	0.0020	0.020	0.0020	0.50
624:	38	7	31	1	38	37	7	30	1	37	98771.5105	-0.0049	0.020	-0.0048	0.50
625:	38	7	32	1	38	37	7	31	1	37	98771.5105	-0.0046	0.020	-0.0048	0.50
626:	38	10	29	1	38	37	10	28	1	37	98774.3123	-0.0149	0.020	-0.0149	0.50
627:	38	10	28	1	38	37	10	27	1	37	98774.3123	-0.0149	0.020	-0.0149	0.50
628:	38	11	28	1	38	37	11	27	1	37	98781.9832	-0.0054	0.020	-0.0054	0.50
629:	38	11	27	1	38	37	11	26	1	37	98781.9832	-0.0054	0.020	-0.0054	0.50
630:	38	6	33	1	38	37	6	32	1	37	98783.1343	0.0230	0.020	0.0121	0.50
631:	38	6	32	1	38	37	6	31	1	37	98783.1343	0.0011	0.020	0.0121	0.50
632:	38	12	27	1	38	37	12	26	1	37	98791.8339	-0.0014	0.020	-0.0014	0.50
633:	38	12	26	1	38	37	12	25	1	37	98791.8339	-0.0014	0.020	-0.0014	0.50
634:	38	13	25	1	38	37	13	24	1	37	98803.5498	-0.0030	0.020	-0.0031	0.50
635:	38	13	26	1	38	37	13	25	1	37	98803.5498	-0.0030	0.020	-0.0031	0.50
636:	38	5	34	1	38	37	5	33	1	37	98808.7692	0.0353	0.020		
637:	38	5	33	1	38	37	5	32	1	37	98809.7378	0.0010	0.020		
638:	38	14	24	1	38	37	14	23	1	37	98816.9368	0.0013	0.020	0.0014	0.50
639:	38	14	25	1	38	37	14	24	1	37	98816.9368	0.0013	0.020	0.0014	0.50
640:	38	3	36	1	38	37	3	35	1	37	98826.1171	-0.0021	0.020		
641:	38	15	23	1	38	37	15	22	1	37	98831.8496	0.0061	0.020	0.0061	0.50
642:	38	15	24	1	38	37	15	23	1	37	98831.8496	0.0061	0.020	0.0061	0.50
643:	38	16	23	1	38	37	16	22	1	37	98848.1682	-0.0112	0.020	-0.0113	0.50
644:	38	16	22	1	38	37	16	21	1	37	98848.1682	-0.0112	0.020	-0.0113	0.50
645:	38	4	35	1	38	37	4	34	1	37	98853.3385	-0.0018	0.020		
646:	38	17	22	1	38	37	17	21	1	37	98865.8577	-0.0152	0.020	-0.0152	0.50
647:	38	17	21	1	38	37	17	20	1	37	98865.8577	-0.0152	0.020	-0.0152	0.50
648:	38	4	34	1	38	37	4	33	1	37	98880.9331	-0.0148	0.020		
649:	38	18	21	1	38	37	18	20	1	37	98884.8255	-0.0462	0.040	-0.0463	0.50
650:	38	18	20	1	38	37	18	19	1	37	98884.8255	-0.0462	0.040	-0.0463	0.50
651:	38	19	19	1	38	37	19	18	1	37	98905.1137	-0.0228	0.020	-0.0228	0.50
652:	38	19	20	1	38	37	19	19	1	37	98905.1137	-0.0228	0.020	-0.0228	0.50
653:	19	6	14	1	19	20	5	15	1	20	98915.0637	0.1025	0.040	0.0987	0.50
654:	19	6	13	1	19	20	5	16	1	20	98915.0637	0.0949	0.040	0.0987	0.50
655:	38	20	18	1	38	37	20	17	1	37	98926.6041	-0.0322	0.020	-0.0322	0.50
656:	38	20	19	1	38	37	20	18	1	37	98926.6041	-0.0322	0.020	-0.0322	0.50
657:	38	21	17	1	38	37	21	16	1	37	98949.3362	-0.0104	0.020	-0.0104	0.50
658:	38	21	18	1	38	37	21	17	1	37	98949.3362	-0.0104	0.020	-0.0104	0.50
659:	38	22	17	1	38	37	22	16	1	37	98973.2355	-0.0117	0.020	-0.0117	0.50
660:	38	22	16	1	38	37	22	15	1	37	98973.2355	-0.0117	0.020	-0.0117	0.50
661:	56	4	53	1	56	56	3	54	1	56	98993.6420	-0.0415	0.060		
662:	38	23	16	1	38	37	23	15	1	37	98998.3173	-0.0039	0.020	-0.0039	0.50
663:	38	23	15	1	38	37	23	14	1	37	98998.3173	-0.0039	0.020	-0.0039	0.50
664:	38	1	38	1	38	37	0	37	1	37	99003.3617	0.0263	0.020		
665:	38	24	14	1	38	37	24	13	1	37	99024.5464	-0.0075	0.020	-0.0076	0.50
666:	38	24	15	1	38	37	24	14	1	37	99024.5464	-0.0075	0.020	-0.0076	0.50
667:	38	25	13	1	38	37	25	12	1	37	99051.9130	-0.0193	0.020	-0.0194	0.50
668:	38	25	14	1	38	37	25	13	1	37	99051.9130	-0.0193	0.020	-0.0194	0.50
669:	38	26	13	1	38	37	26	12	1	37	99080.4580	0.0133	0.020	0.0133	0.50
670:	38	26	12	1	38	37	26	11	1	37	99080.4580	0.0133	0.020	0.0133	0.50
671:	38	29	9	1	38	37	29	8	1	37	99172.6493	-0.0271	0.020	-0.0272	0.50
672:	38	29	10	1	38	37	29	9	1	37	99172.6493	-0.0271	0.020	-0.0272	0.50
673:	38	3	35	1	38	37	3	34	1	37	99199.0521	0.0117	0.020		
674:	38	1	37	1	38	37	1	36	1	37	99214.2585	0.0073	0.020		
675:	39	1	39	1	39	38	1	38	1	38	99461.9980	-0.0118	0.020		
676:	39	0	39	1	39	38	0	38	1	38	99636.9604	0.0019	0.020		
677:	58	4	55	1	58	58	3	56	1	58	99797.5646	-0.0063	0.040		
678:	38	2	36	1	38	37	2	35	1	37	99843.5107	0.0002	0.020		
679:	44	1	43	1	44	43	2	42	1	43	100135.9191	-0.0524	0.060		
680:	59	4	56	1	59	59	3	57	1	59	100245.6338	-0.0105	0.040		
681:	29	7	23	1	29	30	6	24	1	30	100293.4137	0.0484	0.040	0.0461	0.50
682:	29	7	22	1	29	30	6	25	1	30	100293.4137	0.0436	0.040	0.0461	0.50
683:	40	0	40	1	40	39	1	39	1	39	100445.6646	0.0351	0.020		
684:	39	2	38	1	39	38	2	37	1	38	100863.5170	-0.0033	0.020		
685:	61	4	58	1	61	61	3	59	1	61	101238.4698	0.0410	0.040		
686:	28	2	27	1	28	27	1	26	1	27	101250.8838	0.0094	0.040		
687:	39	1	39	1	39	38	0	38	1	38	101347.0620	-0.0055	0.020		
688:	39	8	32	1	39	38	8	31	1	38	101367.4200	-0.0143	0.020	-0.0144	0.50
689:	39	8	31	1	39	38	8	30	1	38	101367.4200	-0.0143	0.020	-0.0144	0.50
690:	39	9	31	1	39	38	9	30	1	38	101368.4590	-0.0031	0.020	-0.0032	0.50
691:	39	9	30	1	39	38	9	29	1	38	101368.4590	-0.0031	0.020	-0.0032	0.50
692:	39	7	33	1	39	38	7	32	1	38	101371.8170	0.0175	0.020	0.0174	0.50
693:	39	7	32	1	39	38	7	31	1	38	101371.8170	0.0171	0.020	0.0174	0.50
694:	39	10	29	1	39	38	10	28	1	38	101373.2394	-0.0058	0.020	-0.0059	0.50
695:	39	10	30	1	39	38	10	29	1	38	101373.2394	-0.0058	0.020	-0.0059	0.50
696:	39	11	28	1	39	38	11	27	1	38	101380.8534	-0.0175	0.020	-0.0175	0.50
697:	39	11	29	1	39	38	11	28	1	38	101380.8534	-0.0175	0.020	-0.0175	0.50
698:	39	6	34	1	39	38	6	33	1	38	101384.7476	0.0040	0.020	-0.0106	0.50
699:	39	6	33	1	39	38	6	32	1	38	101384.7476	-0.0252	0.020	-0.0106	0.50
700:	39	12	27	1	39	38	12	26	1	38	101390.7733	-0.0231	0.020	-0.0232	0.50
701:	39	12	28	1	39	38	12	27	1	38	101390.7733	-0.0231	0.020	-0.0232	0.50

702:	39	13	26	1	39	38	13	25	1	38	101402.6845	0.0027	0.020	0.0027	0.50
703:	39	13	27	1	39	38	13	26	1	38	101402.6845	0.0027	0.020	0.0027	0.50
704:	39	5	35	1	39	38	5	34	1	38	101412.7558	0.0279	0.020		
705:	39	5	34	1	39	38	5	33	1	38	101413.9775	-0.0157	0.020		
706:	39	14	25	1	39	38	14	24	1	38	101416.2949	-0.0098	0.020	-0.0098	0.50
707:	39	14	26	1	39	38	14	25	1	38	101416.2949	-0.0098	0.020	-0.0098	0.50
708:	39	3	37	1	39	38	3	36	1	38	101424.0631	-0.0027	0.020		
709:	39	15	24	1	39	38	15	23	1	38	101431.5013	-0.0132	0.020	-0.0132	0.50
710:	39	15	25	1	39	38	15	24	1	38	101431.5013	-0.0132	0.020	-0.0132	0.50
711:	39	16	23	1	39	38	16	22	1	38	101448.2177	0.0119	0.020	0.0120	0.50
712:	39	16	24	1	39	38	16	23	1	38	101448.2177	0.0119	0.020	0.0120	0.50
713:	39	4	36	1	39	38	4	35	1	38	101459.9573	0.0024	0.020		
714:	39	17	22	1	39	38	17	21	1	38	101466.2958	-0.0067	0.020	-0.0067	0.50
715:	39	17	23	1	39	38	17	22	1	38	101466.2958	-0.0067	0.020	-0.0067	0.50
716:	39	18	21	1	39	38	18	20	1	38	101485.7419	-0.0067	0.020	-0.0067	0.50
717:	39	18	22	1	39	38	18	21	1	38	101485.7419	-0.0067	0.020	-0.0067	0.50
718:	39	4	35	1	39	38	4	34	1	38	101492.9352	0.0016	0.020		
719:	39	19	20	1	39	38	19	19	1	38	101506.4895	-0.0120	0.020	-0.0120	0.50
720:	39	19	21	1	39	38	19	20	1	38	101506.4895	-0.0120	0.020	-0.0120	0.50
721:	18	6	13	1	18	19	5	14	1	19	101515.8001	0.1041	0.040	0.1019	0.50
722:	18	6	12	1	18	19	5	15	1	19	101515.8001	0.0996	0.040	0.1019	0.50
723:	39	20	19	1	39	38	20	18	1	38	101528.5550	0.0269	0.020	0.0270	0.50
724:	39	20	20	1	39	38	20	19	1	38	101528.5550	0.0269	0.020	0.0270	0.50
725:	39	21	18	1	39	38	21	17	1	38	101551.7896	-0.0122	0.020	-0.0122	0.50
726:	39	21	19	1	39	38	21	18	1	38	101551.7896	-0.0122	0.020	-0.0122	0.50
727:	39	23	16	1	39	38	23	15	1	38	101602.0350	0.0266	0.020	0.0267	0.50
728:	39	23	17	1	39	38	23	16	1	38	101602.0350	0.0266	0.020	0.0267	0.50
729:	39	24	15	1	39	38	24	14	1	38	101628.8892	-0.0181	0.020	-0.0181	0.50
730:	39	24	16	1	39	38	24	15	1	38	101628.8892	-0.0181	0.020	-0.0181	0.50
731:	39	25	14	1	39	38	25	13	1	38	101656.9747	-0.0097	0.020	-0.0098	0.50
732:	39	25	15	1	39	38	25	14	1	38	101656.9747	-0.0097	0.020	-0.0098	0.50
733:	39	26	13	1	39	38	26	12	1	38	101686.2358	0.0085	0.020	0.0085	0.50
734:	39	26	14	1	39	38	26	13	1	38	101686.2358	0.0085	0.020	0.0085	0.50
735:	39	27	12	1	39	38	27	11	1	38	101716.6133	-0.0107	0.020	-0.0108	0.50
736:	39	27	13	1	39	38	27	12	1	38	101716.6133	-0.0107	0.020	-0.0108	0.50
737:	39	28	11	1	39	38	28	10	1	38	101748.1917	0.0279	0.020	0.0279	0.50
738:	39	28	12	1	39	38	28	11	1	38	101748.1917	0.0279	0.020	0.0279	0.50
739:	39	1	38	1	39	38	1	37	1	38	101771.5562	-0.0074	0.020		
740:	39	3	36	1	39	38	3	35	1	38	101842.5283	-0.0006	0.020		
741:	39	31	8	1	39	38	31	7	1	38	101849.5367	0.0037	0.020	0.0038	0.50
742:	39	31	9	1	39	38	31	8	1	38	101849.5367	0.0037	0.020	0.0038	0.50
743:	39	34	5	1	39	38	34	4	1	38	101960.8367	0.0370	0.020	0.0371	0.50
744:	39	34	6	1	39	38	34	5	1	38	101960.8367	0.0370	0.020	0.0371	0.50
745:	40	1	40	1	40	39	1	39	1	39	101994.9581	-0.0028	0.020		
746:	40	0	40	1	40	39	0	39	1	39	102155.7631	0.0245	0.020		
747:	39	2	37	1	39	38	2	36	1	38	102479.5973	-0.0040	0.020		
748:	41	0	41	1	41	40	1	40	1	40	103125.4082	0.0670	0.040		
749:	40	8	32	1	40	39	8	31	1	39	103966.9730	-0.0122	0.020	-0.0122	0.50
750:	40	8	33	1	40	39	8	32	1	39	103966.9730	-0.0122	0.020	-0.0122	0.50
751:	40	9	31	1	40	39	9	30	1	39	103967.5521	-0.0115	0.020	-0.0115	0.50
752:	40	9	32	1	40	39	9	31	1	39	103967.5521	-0.0115	0.020	-0.0115	0.50
753:	40	10	31	1	40	39	10	30	1	39	103972.1602	0.0291	0.020	0.0128	0.25
754:	40	10	30	1	40	39	10	29	1	39	103972.1602	0.0291	0.020	0.0128	0.25
755:	40	7	34	1	40	39	7	33	1	39	103972.1602	-0.0032	0.020	0.0128	0.25
756:	40	7	33	1	40	39	7	32	1	39	103972.1602	-0.0038	0.020	0.0128	0.25
757:	40	11	29	1	40	39	11	28	1	39	103979.6788	-0.0238	0.020	-0.0239	0.50
758:	40	11	30	1	40	39	11	29	1	39	103979.6788	-0.0238	0.020	-0.0239	0.50
759:	40	6	35	1	40	39	6	34	1	39	103986.5662	0.0289	0.020	0.0097	0.50
760:	40	6	34	1	40	39	6	33	1	39	103986.5662	-0.0096	0.020	0.0097	0.50
761:	40	12	28	1	40	39	12	27	1	39	103989.7344	0.0414	0.040	0.0414	0.50
762:	40	12	29	1	40	39	12	28	1	39	103989.7344	0.0414	0.040	0.0414	0.50
763:	40	13	27	1	40	39	13	26	1	39	104001.7507	0.0154	0.020	0.0154	0.50
764:	40	13	28	1	40	39	13	27	1	39	104001.7507	0.0154	0.020	0.0154	0.50
765:	40	14	27	1	40	39	14	26	1	39	104015.5403	-0.0496	0.040	-0.0496	0.50
766:	40	14	26	1	40	39	14	25	1	39	104015.5403	-0.0496	0.040	-0.0496	0.50
767:	40	5	36	1	40	39	5	35	1	39	104017.0208	0.0200	0.020		
768:	40	5	35	1	40	39	5	34	1	39	104018.6030	0.0155	0.020		
769:	40	3	38	1	40	39	3	37	1	39	104021.2317	0.0464	0.040		
770:	40	15	25	1	40	39	15	24	1	39	104031.1898	0.0953	0.060	0.0954	0.50
771:	40	15	26	1	40	39	15	25	1	39	104031.1898	0.0953	0.060	0.0954	0.50
772:	40	16	25	1	40	39	16	24	1	39	104048.1387	0.0035	0.020	0.0035	0.50
773:	40	16	24	1	40	39	16	23	1	39	104048.1387	0.0035	0.020	0.0035	0.50
774:	40	17	23	1	40	39	17	22	1	39	104066.6914	0.0609	0.020	0.0136	0.33
775:	40	17	24	1	40	39	17	23	1	39	104066.6914	0.0609	0.020	0.0136	0.33
776:	40	4	37	1	40	39	4	36	1	39	104066.6914	-0.0810	0.020	0.0136	0.33
777:	40	18	23	1	40	39	18	22	1	39	104086.5188	-0.0009	0.020	-0.0009	0.50
778:	40	18	22	1	40	39	18	21	1	39	104086.5188	-0.0009	0.020	-0.0009	0.50
779:	40	4	36	1	40	39	4	35	1	39	104105.9319	-0.0388	0.040		
780:	40	19	21	1	40	39	19	20	1	39	104107.7403	-0.0170	0.020	-0.0170	0.50
781:	40	19	22	1	40	39	19	21	1	39	104107.7403	-0.0170	0.020	-0.0170	0.50
782:	40	20	21	1	40	39	20	20	1	39	104130.3538	0.0462	0.040	0.0463	0.50
783:	40	20	20	1	40	39	20	19	1	39	104130.3538	0.0462	0.040	0.0463	0.50
784:	40	21	19	1	40	39	21	18	1	39	104154.2157	0.0735	0.040	0.0735	0.50

785:	40	21	20	1	40	39	21	19	1	39	104154.2157	0.0735	0.040	0.0735	0.50
786:	40	22	18	1	40	39	22	17	1	39	104179.2930	0.0548	0.040		
787:	40	22	19	1	40	39	22	18	1	39	104179.3019	0.0637	0.040		
788:	40	23	18	1	40	39	23	17	1	39	104205.5871	0.0109	0.020	0.0109	0.50
789:	40	23	17	1	40	39	23	16	1	39	104205.5871	0.0109	0.020	0.0109	0.50
790:	40	24	16	1	40	39	24	15	1	39	104233.2230	0.0834	0.060	0.0834	0.50
791:	40	24	17	1	40	39	24	16	1	39	104233.2230	0.0834	0.060	0.0834	0.50
792:	40	25	16	1	40	39	25	15	1	39	104261.9595	0.0457	0.040	0.0457	0.50
793:	40	25	15	1	40	39	25	14	1	39	104261.9595	0.0457	0.040	0.0457	0.50
794:	40	1	39	1	40	39	1	38	1	39	104324.6563	-0.0010	0.020		
795:	40	29	11	1	40	39	29	10	1	39	104388.8998	0.0333	0.020	0.0334	0.50
796:	40	29	12	1	40	39	29	11	1	39	104388.8998	0.0333	0.020	0.0334	0.50
797:	40	3	37	1	40	39	3	36	1	39	104488.6987	0.0857	0.060		
798:	41	1	41	1	41	40	1	40	1	40	104527.2701	0.0234	0.020		
799:	41	0	41	1	41	40	0	40	1	40	104674.6716	-0.0011	0.020		
800:	67	4	64	1	67	67	3	65	1	67	105041.4196	-0.0087	0.040		
801:	40	2	38	1	40	39	2	37	1	39	105113.1172	0.0166	0.020		
802:	67	3	65	1	67	67	2	66	1	67	105177.4503	0.0218	0.040		
803:	75	5	70	1	75	75	4	71	1	75	105307.4014	0.0377	0.040		
804:	42	0	42	1	42	41	1	41	1	41	105791.9210	0.0260	0.020		
805:	88	3	85	1	88	88	2	86	1	88	105835.4022	0.0200	0.060		
806:	41	2	40	1	41	40	2	39	1	40	105988.5326	-0.0119	0.020		
807:	41	1	41	1	41	40	0	40	1	40	106076.5775	-0.0006	0.020		
808:	74	5	69	1	74	74	4	70	1	74	106365.2251	0.0028	0.040		
809:	41	8	34	1	41	40	8	33	1	40	106566.6233	0.0588	0.020	0.0124	0.25
810:	41	8	33	1	41	40	8	32	1	40	106566.6233	0.0588	0.020	0.0124	0.25
811:	41	9	33	1	41	40	9	32	1	40	106566.6233	-0.0340	0.020	0.0124	0.25
812:	41	9	32	1	41	40	9	31	1	40	106566.6233	-0.0340	0.020	0.0124	0.25
813:	41	10	31	1	41	40	10	30	1	40	106570.9332	-0.0504	0.040	-0.0504	0.50
814:	41	10	32	1	41	40	10	31	1	40	106570.9332	-0.0504	0.040	-0.0504	0.50
815:	41	7	35	1	41	40	7	34	1	40	106572.6201	0.0108	0.020	0.0104	0.50
816:	41	7	34	1	41	40	7	33	1	40	106572.6201	0.0099	0.020	0.0104	0.50
817:	41	11	31	1	41	40	11	30	1	40	106578.4767	-0.0056	0.020	-0.0057	0.50
818:	41	11	30	1	41	40	11	29	1	40	106578.4767	-0.0056	0.020	-0.0057	0.50
819:	41	6	36	1	41	40	6	35	1	40	106588.5329	0.0367	0.020	0.0106	0.25
820:	41	12	30	1	41	40	12	29	1	40	106588.5329	0.0096	0.020	0.0106	0.25
821:	41	12	29	1	41	40	12	28	1	40	106588.5329	0.0096	0.020	0.0106	0.25
822:	41	6	35	1	41	40	6	34	1	40	106588.5329	-0.0139	0.020	0.0106	0.25
823:	69	4	66	1	69	69	3	67	1	69	106598.3954	0.0456	0.040		
824:	41	13	29	1	41	40	13	28	1	40	106600.7327	0.0213	0.020	0.0213	0.50
825:	41	13	28	1	41	40	13	27	1	40	106600.7327	0.0213	0.020	0.0213	0.50
826:	41	14	27	1	41	40	14	26	1	40	106614.8025	0.0136	0.020	0.0137	0.50
827:	41	14	28	1	41	40	14	27	1	40	106614.8025	0.0136	0.020	0.0137	0.50
828:	41	3	39	1	41	40	3	38	1	40	106617.4359	0.0240	0.020		
829:	41	5	37	1	41	40	5	36	1	40	106621.5605	0.0044	0.020		
830:	41	5	36	1	41	40	5	35	1	40	106623.5885	0.0543	0.040		
831:	41	15	27	1	41	40	15	26	1	40	106630.5834	0.0024	0.020	0.0025	0.50
832:	41	15	26	1	41	40	15	25	1	40	106630.5834	0.0024	0.020	0.0025	0.50
833:	41	16	26	1	41	40	16	25	1	40	106647.9792	0.0138	0.020	0.0139	0.50
834:	41	16	25	1	41	40	16	24	1	40	106647.9792	0.0138	0.020	0.0139	0.50
835:	41	17	24	1	41	40	17	23	1	40	106666.8555	0.0013	0.020	0.0014	0.50
836:	41	17	25	1	41	40	17	24	1	40	106666.8555	0.0013	0.020	0.0014	0.50
837:	41	4	38	1	41	40	4	37	1	40	106673.7852	0.0195	0.020		
838:	41	18	23	1	41	40	18	22	1	40	106687.1980	0.0155	0.020	0.0156	0.50
839:	41	18	24	1	41	40	18	23	1	40	106687.1980	0.0155	0.020	0.0156	0.50
840:	41	19	22	1	41	40	19	21	1	40	106708.9086	0.0075	0.020	0.0075	0.50
841:	41	19	23	1	41	40	19	22	1	40	106708.9086	0.0075	0.020	0.0075	0.50
842:	41	4	37	1	41	40	4	36	1	40	106720.1595	0.0254	0.020		
843:	41	20	21	1	41	40	20	20	1	40	106731.9265	-0.0454	0.040	-0.0454	0.50
844:	41	20	22	1	41	40	20	21	1	40	106731.9265	-0.0454	0.040	-0.0454	0.50
845:	41	22	20	1	41	40	22	19	1	40	106782.0298	-0.0250	0.020	-0.0251	0.50
846:	41	22	19	1	41	40	22	18	1	40	106782.0298	-0.0250	0.020	-0.0251	0.50
847:	41	24	18	1	41	40	24	17	1	40	106837.2208	-0.0268	0.020	-0.0268	0.50
848:	41	24	17	1	41	40	24	16	1	40	106837.2208	-0.0268	0.020	-0.0268	0.50
849:	46	1	45	1	46	45	2	44	1	45	106839.2082	0.0277	0.040		
850:	41	25	17	1	41	40	25	16	1	40	106866.7482	0.0310	0.020	0.0311	0.50
851:	41	25	16	1	41	40	25	15	1	40	106866.7482	0.0310	0.020	0.0311	0.50
852:	41	1	40	1	41	40	1	39	1	40	106873.5543	-0.0138	0.020		
853:	41	26	15	1	41	40	26	14	1	40	106897.4693	0.0530	0.040	0.0530	0.50
854:	41	26	16	1	41	40	26	15	1	40	106897.4693	0.0530	0.040	0.0530	0.50
855:	41	27	15	1	41	40	27	14	1	40	106929.2553	-0.0768	0.040	-0.0769	0.50
856:	41	27	14	1	41	40	27	13	1	40	106929.2553	-0.0768	0.040	-0.0769	0.50
857:	41	28	13	1	41	40	28	12	1	40	106962.4607	0.0081	0.020	0.0081	0.50
858:	41	28	14	1	41	40	28	13	1	40	106962.4607	0.0081	0.020	0.0081	0.50
859:	41	29	12	1	41	40	29	11	1	40	106996.7934	0.0276	0.020	0.0276	0.50
860:	41	29	13	1	41	40	29	12	1	40	106996.7934	0.0276	0.020	0.0276	0.50
861:	42	1	42	1	42	41	1	41	1	41	107058.9379	0.0403	0.020		
862:	41	31	10	1	41	40	31	9	1	40	107068.8933	-0.0309	0.020	-0.0309	0.50
863:	41	31	11	1	41	40	31	10	1	40	107068.8933	-0.0309	0.020	-0.0309	0.50
864:	41	3	38	1	41	40	3	37	1	40	107137.2159	0.0061	0.020		
865:	42	0	42	1	42	41	0	41	1	41	107193.7888	-0.0116	0.020		
866:	41	2	39	1	41	40	2	38	1	40	107743.8596	0.0173	0.020		
867:	32	2	31	1	32	31	1	30	1	31	108066.6416	-0.0063	0.040		

868:	75	2	73	1	75	75	1	74	1	75	108127.5757	-0.0365	0.060		
869:	43	0	43	1	43	42	1	42	1	42	108446.1383	-0.0074	0.020		
870:	42	1	42	1	42	41	0	41	1	41	108460.8256	0.0225	0.020		
871:	42	2	41	1	42	41	2	40	1	41	108548.8182	0.0299	0.020		
872:	42	9	33	1	42	41	9	32	1	41	109165.7340	-0.0092	0.020	-0.0093	0.50
873:	42	9	34	1	42	41	9	33	1	41	109165.7340	-0.0092	0.020	-0.0093	0.50
874:	42	8	34	1	42	41	8	33	1	41	109166.1755	0.0027	0.020	0.0028	0.50
875:	42	8	35	1	42	41	8	34	1	41	109166.1755	0.0027	0.020	0.0028	0.50
876:	42	10	32	1	42	41	10	31	1	41	109169.8098	0.0076	0.020	0.0077	0.50
877:	42	10	33	1	42	41	10	32	1	41	109169.8098	0.0076	0.020	0.0077	0.50
878:	42	7	36	1	42	41	7	35	1	41	109173.1499	0.0110	0.020	0.0104	0.50
879:	42	7	35	1	42	41	7	34	1	41	109173.1499	0.0098	0.020	0.0104	0.50
880:	42	11	32	1	42	41	11	31	1	41	109177.1891	-0.0196	0.020	-0.0196	0.50
881:	42	11	31	1	42	41	11	30	1	41	109177.1891	-0.0196	0.020	-0.0196	0.50
882:	42	12	30	1	42	41	12	29	1	41	109187.2667	-0.0187	0.020	-0.0188	0.50
883:	42	12	31	1	42	41	12	30	1	41	109187.2667	-0.0187	0.020	-0.0188	0.50
884:	42	6	37	1	42	41	6	36	1	41	109190.6655	0.0410	0.020		
885:	42	6	36	1	42	41	6	35	1	41	109190.6775	-0.0129	0.020		
886:	42	13	29	1	42	41	13	28	1	41	109199.5965	-0.0115	0.020	-0.0116	0.50
887:	42	13	30	1	42	41	13	29	1	41	109199.5965	-0.0115	0.020	-0.0116	0.50
888:	42	3	40	1	42	41	3	39	1	41	109212.6843	0.0032	0.020		
889:	42	14	28	1	42	41	14	27	1	41	109213.9076	0.0082	0.020	0.0083	0.50
890:	42	14	29	1	42	41	14	28	1	41	109213.9076	0.0082	0.020	0.0083	0.50
891:	42	5	38	1	42	41	5	37	1	41	109226.3809	-0.0160	0.020		
892:	42	5	37	1	42	41	5	36	1	41	109228.8227	-0.0264	0.020		
893:	42	15	27	1	42	41	15	26	1	41	109229.9857	0.0140	0.020	0.0141	0.50
894:	42	15	28	1	42	41	15	27	1	41	109229.9857	0.0140	0.020	0.0141	0.50
895:	42	16	26	1	42	41	16	25	1	41	109247.7380	0.0444	0.040	0.0444	0.50
896:	42	16	27	1	42	41	16	26	1	41	109247.7380	0.0444	0.040	0.0444	0.50
897:	42	17	25	1	42	41	17	24	1	41	109266.9441	-0.0268	0.020	-0.0268	0.50
898:	42	17	26	1	42	41	17	25	1	41	109266.9441	-0.0268	0.020	-0.0268	0.50
899:	42	4	39	1	42	41	4	38	1	41	109280.9094	0.0055	0.020		
900:	42	18	24	1	42	41	18	23	1	41	109287.7489	0.0149	0.020	0.0149	0.50
901:	42	18	25	1	42	41	18	24	1	41	109287.7489	0.0149	0.020	0.0149	0.50
902:	42	19	23	1	42	41	19	22	1	41	109309.9242	-0.0058	0.020	-0.0059	0.50
903:	42	19	24	1	42	41	19	23	1	41	109309.9242	-0.0058	0.020	-0.0059	0.50
904:	42	20	22	1	42	41	20	21	1	41	109333.5200	0.0016	0.020	0.0016	0.50
905:	42	20	23	1	42	41	20	22	1	41	109333.5200	0.0016	0.020	0.0016	0.50
906:	42	4	38	1	42	41	4	37	1	41	109335.5084	0.0059	0.020		
907:	42	21	21	1	42	41	21	20	1	41	109358.4595	-0.0070	0.020	-0.0071	0.50
908:	42	21	22	1	42	41	21	21	1	41	109358.4595	-0.0070	0.020	-0.0071	0.50
909:	42	22	20	1	42	41	22	19	1	41	109384.7577	0.0093	0.020	0.0093	0.50
910:	42	22	21	1	42	41	22	20	1	41	109384.7577	0.0093	0.020	0.0093	0.50
911:	42	1	41	1	42	41	1	40	1	41	109418.4010	0.0342	0.020		
912:	42	24	19	1	42	41	24	18	1	41	109441.1951	-0.0332	0.020	-0.0333	0.50
913:	42	24	18	1	42	41	24	17	1	41	109441.1951	-0.0332	0.020	-0.0333	0.50
914:	36	8	29	1	36	37	7	30	1	37	109462.9766	-0.0122	0.040	-0.0126	0.50
915:	36	8	28	1	36	37	7	31	1	37	109462.9766	-0.0129	0.040	-0.0126	0.50
916:	42	25	17	1	42	41	25	16	1	41	109471.3755	-0.0159	0.020	-0.0159	0.50
917:	42	25	18	1	42	41	25	17	1	41	109471.3755	-0.0159	0.020	-0.0159	0.50
918:	42	26	16	1	42	41	26	15	1	41	109502.8352	0.0188	0.020	0.0188	0.50
919:	42	26	17	1	42	41	26	16	1	41	109502.8352	0.0188	0.020	0.0188	0.50
920:	42	27	15	1	42	41	27	14	1	41	109535.4524	-0.0372	0.020	-0.0372	0.50
921:	42	27	16	1	42	41	27	15	1	41	109535.4524	-0.0372	0.020	-0.0372	0.50
922:	42	28	14	1	42	41	28	13	1	41	109569.3788	-0.0195	0.020	-0.0196	0.50
923:	42	28	15	1	42	41	28	14	1	41	109569.3788	-0.0195	0.020	-0.0196	0.50
924:	43	1	43	1	43	42	1	42	1	42	109589.9577	0.0139	0.020		
925:	42	31	11	1	42	41	31	10	1	41	109678.3947	-0.0212	0.020	-0.0212	0.50
926:	42	31	12	1	42	41	31	11	1	41	109678.3947	-0.0212	0.020	-0.0212	0.50
927:	43	0	43	1	43	42	0	42	1	42	109713.2003	0.0519	0.040		
928:	33	2	32	1	33	32	1	31	1	32	109735.7021	0.0161	0.040		
929:	42	3	39	1	42	41	3	38	1	41	109788.2148	0.0140	0.020		
930:	42	35	7	1	42	41	35	6	1	41	109840.3408	0.0100	0.020	0.0100	0.50
931:	42	35	8	1	42	41	35	7	1	41	109840.3408	0.0100	0.020	0.0100	0.50
932:	42	36	6	1	42	41	36	5	1	41	109883.6634	-0.0174	0.020	-0.0175	0.50
933:	42	36	7	1	42	41	36	6	1	41	109883.6634	-0.0174	0.020	-0.0175	0.50
934:	70	3	68	1	70	70	2	69	1	70	109910.6692	-0.0153	0.040		
935:	63	2	62	1	63	63	1	63	1	63	110033.9696	0.0163	0.040		
936:	47	1	46	1	47	46	2	45	1	46	110150.0796	-0.0031	0.040		
937:	42	2	40	1	42	41	2	39	1	41	110371.6682	-0.0033	0.020		
938:	43	1	43	1	43	42	0	42	1	42	110856.9414	-0.0049	0.020		
939:	44	0	44	1	44	43	1	43	1	43	111088.9077	-0.0261	0.020		
940:	43	2	42	1	43	42	2	41	1	42	111107.5080	-0.0124	0.020		
941:	71	3	69	1	71	71	2	70	1	71	111537.8040	-0.0013	0.040		
942:	43	9	34	1	43	42	9	33	1	42	111764.7801	-0.0408	0.040	-0.0409	0.50
943:	43	9	35	1	43	42	9	34	1	42	111764.7801	-0.0408	0.040	-0.0409	0.50
944:	43	8	35	1	43	42	8	34	1	42	111765.8094	-0.0012	0.020	-0.0012	0.50
945:	43	8	36	1	43	42	8	35	1	42	111765.8094	-0.0012	0.020	-0.0012	0.50
946:	43	10	33	1	43	42	10	32	1	42	111768.5748	-0.0108	0.020	-0.0108	0.50
947:	43	10	34	1	43	42	10	33	1	42	111768.5748	-0.0108	0.020	-0.0108	0.50
948:	43	7	36	1	43	42	7	35	1	42	111773.7551	-0.0007	0.020	0.0001	0.50
949:	43	7	37	1	43	42	7	36	1	42	111773.7551	0.0008	0.020	0.0001	0.50
950:	43	11	32	1	43	42	11	31	1	42	111775.8949	0.0145	0.020	0.0145	0.50

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952:	43	12	31	1	43	42	12	30	1	42	111785.9734	-0.0046	0.020	-0.0046	0.50
953:	43	12	32	1	43	42	12	31	1	42	111785.9734	-0.0046	0.020	-0.0046	0.50
954:	43	6	38	1	43	42	6	37	1	42	111792.9751	0.0488	0.020	0.0061	0.50
955:	43	6	37	1	43	42	6	36	1	42	111792.9751	-0.0365	0.020	0.0061	0.50
956:	43	13	30	1	43	42	13	29	1	42	111798.4226	-0.0008	0.020	-0.0008	0.50
957:	43	13	31	1	43	42	13	30	1	42	111798.4226	-0.0008	0.020	-0.0008	0.50
958:	43	3	41	1	43	42	3	40	1	42	111806.9347	0.0053	0.020		
959:	43	14	30	1	43	42	14	29	1	42	111812.9295	0.0102	0.020	0.0103	0.50
960:	43	14	29	1	43	42	14	28	1	42	111812.9295	0.0102	0.020	0.0103	0.50
961:	43	15	29	1	43	42	15	28	1	42	111829.2637	-0.0004	0.020	-0.0005	0.50
962:	43	15	28	1	43	42	15	27	1	42	111829.2637	-0.0004	0.020	-0.0005	0.50
963:	43	5	39	1	43	42	5	38	1	42	111831.4921	-0.0336	0.020		
964:	43	5	38	1	43	42	5	37	1	42	111834.5789	0.0293	0.020		
965:	43	16	28	1	43	42	16	27	1	42	111847.3019	-0.0156	0.020	-0.0157	0.50
966:	43	16	27	1	43	42	16	26	1	42	111847.3019	-0.0156	0.020	-0.0157	0.50
967:	43	17	26	1	43	42	17	25	1	42	111866.9959	0.0176	0.020	0.0177	0.50
968:	43	17	27	1	43	42	17	26	1	42	111866.9959	0.0176	0.020	0.0177	0.50
969:	43	4	40	1	43	42	4	39	1	42	111888.1467	-0.0068	0.020	-0.0189	0.33
970:	43	18	26	1	43	42	18	25	1	42	111888.1467	-0.0249	0.020	-0.0189	0.33
971:	43	18	25	1	43	42	18	24	1	42	111888.1467	-0.0249	0.020	-0.0189	0.33
972:	43	19	24	1	43	42	19	23	1	42	111910.8639	0.0224	0.020	0.0225	0.50
973:	43	19	25	1	43	42	19	24	1	42	111910.8639	0.0224	0.020	0.0225	0.50
974:	43	20	24	1	43	42	20	23	1	42	111934.9410	-0.0029	0.020	-0.0030	0.50
975:	43	20	23	1	43	42	20	22	1	42	111934.9410	-0.0029	0.020	-0.0030	0.50
976:	43	4	39	1	43	42	4	38	1	42	111952.1610	0.0016	0.020		
977:	43	1	42	1	43	42	1	41	1	42	111959.1646	0.0046	0.020		
978:	43	21	22	1	43	42	21	21	1	42	111960.4595	0.0147	0.020	0.0147	0.50
979:	43	21	23	1	43	42	21	22	1	42	111960.4595	0.0147	0.020	0.0147	0.50
980:	43	23	21	1	43	42	23	20	1	42	112015.4864	-0.0473	0.040	-0.0473	0.50
981:	43	23	20	1	43	42	23	19	1	42	112015.4864	-0.0473	0.040	-0.0473	0.50
982:	43	24	20	1	43	42	24	19	1	42	112045.0827	0.0039	0.020	0.0040	0.50
983:	43	24	19	1	43	42	24	18	1	42	112045.0827	0.0039	0.020	0.0040	0.50
984:	35	8	28	1	35	36	7	29	1	36	112065.2838	-0.0678	0.060	-0.0681	0.50
985:	35	8	27	1	35	36	7	30	1	36	112065.2838	-0.0683	0.060	-0.0681	0.50
986:	68	5	63	1	68	68	4	64	1	68	112069.9793	0.0696	0.040		
987:	43	25	18	1	43	42	25	17	1	42	112075.9457	0.0121	0.020	0.0121	0.50
988:	43	25	19	1	43	42	25	18	1	42	112075.9457	0.0121	0.020	0.0121	0.50
989:	43	26	17	1	43	42	26	16	1	42	112108.0181	-0.0645	0.040	-0.0645	0.50
990:	43	26	18	1	43	42	26	17	1	42	112108.0181	-0.0645	0.040	-0.0645	0.50
991:	44	1	44	1	44	43	1	43	1	43	112120.4083	-0.0063	0.020		
992:	43	27	16	1	43	42	27	15	1	42	112141.5198	0.0081	0.020	0.0081	0.50
993:	43	27	17	1	43	42	27	16	1	42	112141.5198	0.0081	0.020	0.0081	0.50
994:	75	4	72	1	75	75	3	73	1	75	112166.2036	0.0223	0.040		
995:	43	28	15	1	43	42	28	14	1	42	112176.2004	-0.0069	0.020	-0.0070	0.50
996:	43	28	16	1	43	42	28	15	1	42	112176.2004	-0.0069	0.020	-0.0070	0.50
997:	43	29	14	1	43	42	29	13	1	42	112212.1694	0.0125	0.020	0.0125	0.50
998:	43	29	15	1	43	42	29	14	1	42	112212.1694	0.0125	0.020	0.0125	0.50
999:	44	0	44	1	44	43	0	43	1	43	112232.7257	-0.0061	0.020		
1000:	43	30	13	1	43	42	30	12	1	42	112249.3477	0.0000	0.020	0.0001	0.50
1001:	43	30	14	1	43	42	30	13	1	42	112249.3477	0.0000	0.020	0.0001	0.50
1002:	43	31	12	1	43	42	31	11	1	42	112287.7544	-0.0127	0.020	-0.0128	0.50
1003:	43	31	13	1	43	42	31	12	1	42	112287.7544	-0.0127	0.020	-0.0128	0.50
1004:	43	32	11	1	43	42	32	10	1	42	112327.4151	0.0120	0.020	0.0121	0.50
1005:	43	32	12	1	43	42	32	11	1	42	112327.4151	0.0120	0.020	0.0121	0.50
1006:	43	34	9	1	43	42	34	8	1	42	112410.2727	0.0006	0.020	0.0007	0.50
1007:	43	34	10	1	43	42	34	9	1	42	112410.2727	0.0006	0.020	0.0007	0.50
1008:	43	3	40	1	43	42	3	39	1	42	112441.4277	-0.0025	0.020		
1009:	77	2	75	1	77	77	1	76	1	77	112958.4751	-0.0447	0.060		
1010:	43	2	41	1	43	42	2	40	1	42	112996.4416	-0.0001	0.020		
1011:	35	2	34	1	35	34	1	33	1	34	113047.3754	-0.0452	0.040		
1012:	44	1	44	1	44	43	0	43	1	43	113264.1964	-0.0162	0.020		
1013:	66	1	65	1	66	66	0	66	1	66	113439.5034	-0.0359	0.020		
1014:	44	2	43	1	44	43	2	42	1	43	113664.7211	-0.0244	0.020		
1015:	66	5	61	1	66	66	4	62	1	66	113673.9102	0.0008	0.040		
1016:	45	0	45	1	45	44	1	44	1	44	113721.0345	-0.0423	0.040		
1017:	77	4	74	1	77	77	3	75	1	77	114320.5567	0.0210	0.040		
1018:	44	9	35	1	44	43	9	34	1	43	114363.8991	0.0088	0.020	0.0089	0.50
1019:	44	9	36	1	44	43	9	35	1	43	114363.8991	0.0088	0.020	0.0089	0.50
1020:	44	8	37	1	44	43	8	36	1	43	114365.4779	-0.0009	0.020	-0.0009	0.50
1021:	44	8	36	1	44	43	8	35	1	43	114365.4779	-0.0009	0.020	-0.0009	0.50
1022:	44	10	35	1	44	43	10	34	1	43	114367.3351	0.0018	0.020	0.0018	0.50
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1024:	44	7	38	1	44	43	7	37	1	43	114374.4721	0.0147	0.020	-0.0051	0.25
1025:	44	7	37	1	44	43	7	36	1	43	114374.4721	0.0125	0.020	-0.0051	0.25
1026:	44	11	34	1	44	43	11	33	1	43	114374.4721	-0.0238	0.020	-0.0051	0.25
1027:	44	11	33	1	44	43	11	32	1	43	114374.4721	-0.0238	0.020	-0.0051	0.25
1028:	44	12	33	1	44	43	12	32	1	43	114384.6007	0.0015	0.020	0.0015	0.50
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1030:	44	6	38	1	44	43	6	37	1	43	114395.4634	-0.0520	0.040	0.0030	0.50
1031:	44	6	39	1	44	43	6	38	1	43	114395.4634	0.0579	0.040	0.0030	0.50
1032:	44	13	31	1	44	43	13	30	1	43	114397.1645	0.0090	0.020	0.0091	0.50
1033:	44	13	32	1	44	43	13	31	1	43	114397.1645	0.0090	0.020	0.0091	0.50

1034:	44	3	42	1	44	43	3	41	1	43	114400.0877	-0.0075	0.020		
1035:	44	14	30	1	44	43	14	29	1	43	114411.8429	-0.0033	0.020	-0.0034	0.50
1036:	44	14	31	1	44	43	14	30	1	43	114411.8429	-0.0033	0.020	-0.0034	0.50
1037:	44	15	30	1	44	43	15	29	1	43	114428.4541	-0.0021	0.020	-0.0022	0.50
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1039:	44	5	40	1	44	43	5	39	1	43	114436.9372	-0.0068	0.020		
1040:	44	5	39	1	44	43	5	38	1	43	114440.6570	0.0032	0.020		
1041:	44	16	29	1	44	43	16	28	1	43	114446.8318	-0.0029	0.020	-0.0029	0.50
1042:	44	16	28	1	44	43	16	27	1	43	114446.8318	-0.0029	0.020	-0.0029	0.50
1043:	44	17	27	1	44	43	17	26	1	43	114466.8916	0.0181	0.020	0.0181	0.50
1044:	44	17	28	1	44	43	17	27	1	43	114466.8916	0.0181	0.020	0.0181	0.50
1045:	44	18	27	1	44	43	18	26	1	43	114488.4863	-0.0064	0.020	-0.0065	0.50
1046:	44	18	26	1	44	43	18	25	1	43	114488.4863	-0.0064	0.020	-0.0065	0.50
1047:	44	4	41	1	44	43	4	40	1	43	114495.4730	-0.0050	0.020		
1048:	44	1	43	1	44	43	1	42	1	43	114496.0961	0.0064	0.020		
1049:	44	20	24	1	44	43	20	23	1	43	114536.2656	0.0197	0.020	0.0197	0.50
1050:	44	20	25	1	44	43	20	24	1	43	114536.2656	0.0197	0.020	0.0197	0.50
1051:	44	21	23	1	44	43	21	22	1	43	114562.2942	-0.0021	0.020	-0.0021	0.50
1052:	44	21	24	1	44	43	21	23	1	43	114562.2942	-0.0021	0.020	-0.0021	0.50
1053:	44	4	40	1	44	43	4	39	1	43	114570.1855	-0.0071	0.020		
1054:	44	22	23	1	44	43	22	22	1	43	114589.7483	-0.0056	0.020	-0.0056	0.50
1055:	44	22	22	1	44	43	22	21	1	43	114589.7483	-0.0056	0.020	-0.0056	0.50
1056:	44	23	21	1	44	43	23	20	1	43	114618.5897	-0.0043	0.020	-0.0044	0.50
1057:	44	23	22	1	44	43	23	21	1	43	114618.5897	-0.0043	0.020	-0.0044	0.50
1058:	44	24	21	1	44	43	24	20	1	43	114648.7680	-0.0276	0.020	-0.0276	0.50
1059:	44	24	20	1	44	43	24	19	1	43	114648.7680	-0.0276	0.020	-0.0276	0.50
1060:	45	1	45	1	45	44	1	44	1	44	114650.3387	0.0002	0.020		
1061:	34	8	27	1	34	35	7	28	1	35	114667.0145	-0.0127	0.040	-0.0129	0.50
1062:	34	8	26	1	34	35	7	29	1	35	114667.0145	-0.0130	0.040	-0.0129	0.50
1063:	44	25	20	1	44	43	25	19	1	43	114680.3079	-0.0324	0.020	-0.0324	0.50
1064:	44	25	19	1	44	43	25	18	1	43	114680.3079	-0.0324	0.020	-0.0324	0.50
1065:	44	26	18	1	44	43	26	17	1	43	114713.2041	-0.0077	0.020	-0.0078	0.50
1066:	44	26	19	1	44	43	26	18	1	43	114713.2041	-0.0077	0.020	-0.0078	0.50
1067:	44	27	18	1	44	43	27	17	1	43	114747.3959	0.0006	0.020	0.0007	0.50
1068:	44	27	17	1	44	43	27	16	1	43	114747.3959	0.0006	0.020	0.0007	0.50
1069:	45	0	45	1	45	44	0	44	1	44	114752.5498	-0.0078	0.020		
1070:	44	28	16	1	44	43	28	15	1	43	114782.9066	0.0301	0.020	0.0302	0.50
1071:	44	28	17	1	44	43	28	16	1	43	114782.9066	0.0301	0.020	0.0302	0.50
1072:	44	29	16	1	44	43	29	15	1	43	114819.6387	-0.0034	0.020	-0.0034	0.50
1073:	44	29	15	1	44	43	29	14	1	43	114819.6387	-0.0034	0.020	-0.0034	0.50
1074:	44	31	13	1	44	43	31	12	1	43	114896.9580	-0.0167	0.020	-0.0168	0.50
1075:	44	31	14	1	44	43	31	13	1	43	114896.9580	-0.0167	0.020	-0.0168	0.50
1076:	44	32	12	1	44	43	32	11	1	43	114937.4934	-0.0224	0.020	-0.0224	0.50
1077:	44	32	13	1	44	43	32	12	1	43	114937.4934	-0.0224	0.020	-0.0224	0.50
1078:	44	33	11	1	44	43	33	10	1	43	114979.2938	0.0045	0.020	0.0046	0.50
1079:	44	33	12	1	44	43	33	11	1	43	114979.2938	0.0045	0.020	0.0046	0.50
1080:	44	34	10	1	44	43	34	9	1	43	115022.2840	0.0026	0.020	0.0026	0.50
1081:	44	34	11	1	44	43	34	10	1	43	115022.2840	0.0026	0.020	0.0026	0.50
1082:	44	3	41	1	44	43	3	40	1	43	115096.6964	-0.0097	0.020		
1083:	44	2	42	1	44	43	2	41	1	43	115618.0174	0.0042	0.020		
1084:	45	1	45	1	45	44	0	44	1	44	115681.8129	-0.0063	0.020		
1085:	23	7	17	1	23	24	6	18	1	24	115902.0093	0.0856	0.040	0.0855	0.50
1086:	23	7	16	1	23	24	6	19	1	24	115902.0093	0.0853	0.040	0.0855	0.50
1087:	45	2	44	1	45	44	2	43	1	44	116220.4674	-0.0037	0.020		
1088:	37	2	36	1	37	36	1	35	1	36	116340.4778	-0.0163	0.040		
1089:	46	0	46	1	46	45	1	45	1	45	116343.3342	-0.0289	0.020		
1090:	62	5	57	1	62	62	4	58	1	62	116395.5767	-0.0261	0.060		
1091:	79	4	76	1	79	79	3	77	1	79	116621.0939	0.0769	0.060		
1092:	49	1	48	1	49	48	2	47	1	48	116682.9466	0.0095	0.040		
1093:	8	4	5	1	8	7	3	4	1	7	116858.3178	0.0462	0.040		
1094:	45	9	36	1	45	44	9	35	1	44	116962.9593	0.0085	0.020	0.0086	0.50
1095:	45	9	37	1	45	44	9	36	1	44	116962.9593	0.0085	0.020	0.0086	0.50
1096:	45	8	38	1	45	44	8	37	1	44	116965.1751	-0.0027	0.020	-0.0028	0.50
1097:	45	8	37	1	45	44	8	36	1	44	116965.1751	-0.0028	0.020	-0.0028	0.50
1098:	45	10	35	1	45	44	10	34	1	44	116966.0492	0.0051	0.020	0.0051	0.50
1099:	45	10	36	1	45	44	10	35	1	44	116966.0492	0.0051	0.020	0.0051	0.50
1100:	45	11	35	1	45	44	11	34	1	44	116973.0600	0.0059	0.020	0.0059	0.50
1101:	45	11	34	1	45	44	11	33	1	44	116973.0600	0.0059	0.020	0.0059	0.50
1102:	45	7	39	1	45	44	7	38	1	44	116975.2536	0.0032	0.020	0.0018	0.50
1103:	45	7	38	1	45	44	7	37	1	44	116975.2536	0.0003	0.020	0.0018	0.50
1104:	61	5	56	1	61	61	4	57	1	61	116976.7118	0.0197	0.040		
1105:	45	12	34	1	45	44	12	33	1	44	116983.1534	0.0061	0.020	0.0062	0.50
1106:	45	12	33	1	45	44	12	32	1	44	116983.1534	0.0061	0.020	0.0062	0.50
1107:	45	3	43	1	45	44	3	42	1	44	116992.1161	-0.0026	0.020		
1108:	45	13	32	1	45	44	13	31	1	44	116995.7874	-0.0147	0.020	-0.0147	0.50
1109:	45	13	33	1	45	44	13	32	1	44	116995.7874	-0.0147	0.020	-0.0147	0.50
1110:	45	6	40	1	45	44	6	39	1	44	116998.1239	0.0577	0.040		
1111:	45	6	39	1	45	44	6	38	1	44	116998.1239	-0.0828	0.060		
1112:	45	14	31	1	45	44	14	30	1	44	117010.6736	-0.0047	0.020	-0.0047	0.50
1113:	45	14	32	1	45	44	14	31	1	44	117010.6736	-0.0047	0.020	-0.0047	0.50
1114:	45	15	31	1	45	44	15	30	1	44	117027.5393	-0.0061	0.020	-0.0062	0.50
1115:	45	15	30	1	45	44	15	29	1	44	117027.5393	-0.0061	0.020	-0.0062	0.50
1116:	45	1	44	1	45	44	1	43	1	44	117029.3180	-0.0138	0.020		

1117:	45	5	41	1	45	44	5	40	1	44	117042.6487	-0.0038	0.020		
1118:	45	16	30	1	45	44	16	29	1	44	117046.2358	-0.0067	0.020	-0.0067	0.50
1119:	45	16	29	1	45	44	16	28	1	44	117046.2358	-0.0067	0.020	-0.0067	0.50
1120:	45	5	40	1	45	44	5	39	1	44	117047.1812	-0.0003	0.020		
1121:	45	17	29	1	45	44	17	28	1	44	117066.6778	0.0238	0.020	0.0239	0.50
1122:	45	17	28	1	45	44	17	27	1	44	117066.6778	0.0238	0.020	0.0239	0.50
1123:	45	18	28	1	45	44	18	27	1	44	117088.6878	-0.0067	0.020	-0.0068	0.50
1124:	45	18	27	1	45	44	18	26	1	44	117088.6878	-0.0067	0.020	-0.0068	0.50
1125:	45	4	42	1	45	44	4	41	1	44	117102.8265	-0.0112	0.020		
1126:	45	19	26	1	45	44	19	25	1	44	117112.3164	0.0162	0.020	0.0162	0.50
1127:	45	19	27	1	45	44	19	26	1	44	117112.3164	0.0162	0.020	0.0162	0.50
1128:	45	20	26	1	45	44	20	25	1	44	117137.4118	-0.0093	0.020	-0.0094	0.50
1129:	45	20	25	1	45	44	20	24	1	44	117137.4118	-0.0093	0.020	-0.0094	0.50
1130:	45	21	24	1	45	44	21	23	1	44	117164.0075	-0.0108	0.020	-0.0108	0.50
1131:	45	21	25	1	45	44	21	24	1	44	117164.0075	-0.0108	0.020	-0.0108	0.50
1132:	46	1	46	1	46	45	1	45	1	45	117179.7714	0.0286	0.020		
1133:	45	4	41	1	45	44	4	40	1	44	117189.6826	-0.0113	0.020		
1134:	45	22	23	1	45	44	22	22	1	44	117192.0454	-0.0146	0.020	-0.0146	0.50
1135:	45	22	24	1	45	44	22	23	1	44	117192.0454	-0.0146	0.020	-0.0146	0.50
1136:	45	23	22	1	45	44	23	21	1	44	117221.5301	0.0101	0.020	0.0101	0.50
1137:	45	23	23	1	45	44	23	22	1	44	117221.5301	0.0101	0.020	0.0101	0.50
1138:	45	24	21	1	45	44	24	20	1	44	117252.3726	-0.0033	0.020	-0.0034	0.50
1139:	45	24	22	1	45	44	24	21	1	44	117252.3726	-0.0033	0.020	-0.0034	0.50
1140:	46	0	46	1	46	45	0	45	1	45	117272.6178	-0.0069	0.020		
1141:	45	25	21	1	45	44	25	20	1	44	117284.6526	0.0439	0.040	0.0439	0.50
1142:	45	25	20	1	45	44	25	19	1	44	117284.6526	0.0439	0.040	0.0439	0.50
1143:	45	26	19	1	45	44	26	18	1	44	117318.1970	-0.0039	0.020	-0.0039	0.50
1144:	45	26	20	1	45	44	26	19	1	44	117318.1970	-0.0039	0.020	-0.0039	0.50
1145:	45	27	19	1	45	44	27	18	1	44	117353.1554	0.0183	0.020	0.0184	0.50
1146:	45	27	18	1	45	44	27	17	1	44	117353.1554	0.0183	0.020	0.0184	0.50
1147:	45	28	17	1	45	44	28	16	1	44	117389.4248	0.0225	0.020	0.0225	0.50
1148:	45	28	18	1	45	44	28	17	1	44	117389.4248	0.0225	0.020	0.0225	0.50
1149:	60	5	55	1	60	60	4	56	1	60	117519.8997	0.0858	0.060		
1150:	67	2	66	1	67	67	1	67	1	67	117600.0107	-0.0229	0.040		
1151:	45	3	42	1	45	44	3	41	1	44	117753.7906	-0.0102	0.020		
1152:	80	4	77	1	80	80	3	78	1	80	117825.0159	-0.0112	0.040		
1153:	46	1	46	1	46	45	0	45	1	45	118108.9636	-0.0408	0.040		
1154:	45	2	43	1	45	44	2	42	1	44	118236.2582	0.0074	0.020		
1155:	46	2	45	1	46	45	2	44	1	45	118774.7029	-0.0050	0.020		
1156:	57	5	52	1	57	57	4	53	1	57	118934.5954	0.0754	0.040		
1157:	47	0	47	1	47	46	1	46	1	46	118956.5562	0.0090	0.020		
1158:	56	5	51	1	56	56	4	52	1	56	119339.6020	0.0746	0.040		
1159:	68	2	67	1	68	68	1	68	1	68	119508.6975	0.0330	0.040		
1160:	20	3	18	1	20	19	2	17	1	19	119516.7401	0.0303	0.040		
1161:	46	1	45	1	46	45	1	44	1	45	119559.0936	0.0000	0.020		
1162:	46	9	37	1	46	45	9	36	1	45	119562.0086	0.0064	0.020	0.0064	0.50
1163:	46	9	38	1	46	45	9	37	1	45	119562.0086	0.0064	0.020	0.0064	0.50
1164:	46	10	36	1	46	45	10	35	1	45	119564.7578	0.0406	0.020	0.0406	0.50
1165:	46	10	37	1	46	45	10	36	1	45	119564.7578	0.0406	0.020	0.0406	0.50
1166:	46	8	39	1	46	45	8	38	1	45	119564.8871	-0.0213	0.020	-0.0214	0.50
1167:	46	8	38	1	46	45	8	37	1	45	119564.8871	-0.0214	0.020	-0.0214	0.50
1168:	46	11	35	1	46	45	11	34	1	45	119571.5573	0.0039	0.020	0.0039	0.50
1169:	46	11	36	1	46	45	11	35	1	45	119571.5573	0.0039	0.020	0.0039	0.50
1170:	46	7	39	1	46	45	7	38	1	45	119576.1310	-0.0080	0.020	-0.0062	0.50
1171:	46	7	40	1	46	45	7	39	1	45	119576.1310	-0.0042	0.020	-0.0062	0.50
1172:	46	12	35	1	46	45	12	34	1	45	119581.6096	-0.0108	0.020	-0.0108	0.50
1173:	46	12	34	1	46	45	12	33	1	45	119581.6096	-0.0108	0.020	-0.0108	0.50
1174:	46	3	44	1	46	45	3	43	1	45	119582.9454	0.0033	0.020		
1175:	46	13	33	1	46	45	13	32	1	45	119594.3527	-0.0088	0.020	-0.0089	0.50
1176:	46	13	34	1	46	45	13	33	1	45	119594.3527	-0.0088	0.020	-0.0089	0.50
1177:	46	6	40	1	46	45	6	39	1	45	119601.0076	-0.0834	0.020	0.0060	0.50
1178:	46	6	41	1	46	45	6	40	1	45	119601.0076	0.0953	0.020	0.0060	0.50
1179:	46	14	32	1	46	45	14	31	1	45	119609.4095	-0.0037	0.020	-0.0037	0.50
1180:	46	14	33	1	46	45	14	32	1	45	119609.4095	-0.0037	0.020	-0.0037	0.50
1181:	46	15	32	1	46	45	15	31	1	45	119626.5300	0.0005	0.020	0.0005	0.50
1182:	46	15	31	1	46	45	15	30	1	45	119626.5300	0.0005	0.020	0.0005	0.50
1183:	39	2	38	1	39	38	1	37	1	38	119635.8154	0.0226	0.040		
1184:	46	16	31	1	46	45	16	30	1	45	119645.5361	-0.0024	0.020	-0.0024	0.50
1185:	46	16	30	1	46	45	16	29	1	45	119645.5361	-0.0024	0.020	-0.0024	0.50
1186:	46	5	42	1	46	45	5	41	1	45	119648.6580	0.0070	0.020		
1187:	46	5	41	1	46	45	5	40	1	45	119654.1458	-0.0084	0.020		
1188:	46	17	29	1	46	45	17	28	1	45	119666.3141	-0.0030	0.020	-0.0030	0.50
1189:	46	17	30	1	46	45	17	29	1	45	119666.3141	-0.0030	0.020	-0.0030	0.50
1190:	46	18	29	1	46	45	18	28	1	45	119688.7450	-0.0294	0.020	-0.0294	0.50
1191:	46	18	28	1	46	45	18	27	1	45	119688.7450	-0.0294	0.020	-0.0294	0.50
1192:	47	1	47	1	47	46	1	46	1	46	119708.6407	-0.0129	0.020		
1193:	46	4	43	1	46	45	4	42	1	45	119710.1856	-0.0041	0.020		
1194:	46	19	28	1	46	45	19	27	1	45	119712.8285	-0.0134	0.020	-0.0135	0.50
1195:	46	19	27	1	46	45	19	26	1	45	119712.8285	-0.0134	0.020	-0.0135	0.50
1196:	55	5	50	1	55	55	4	51	1	55	119713.9938	0.0484	0.040		
1197:	69	1	68	1	69	69	0	69	1	69	119724.2296	-0.0115	0.020		
1198:	46	20	27	1	46	45	20	26	1	45	119738.4466	-0.0204	0.020	-0.0204	0.50
1199:	46	20	26	1	46	45	20	25	1	45	119738.4466	-0.0204	0.020	-0.0204	0.50

1200:	46	21	26	1	46	45	21	25	1	45	119765.5754	-0.0324	0.020	-0.0325	0.50
1201:	46	21	25	1	46	45	21	24	1	45	119765.5754	-0.0324	0.020	-0.0325	0.50
1202:	47	0	47	1	47	46	0	46	1	46	119792.9232	-0.0035	0.020		
1203:	46	4	42	1	46	45	4	41	1	45	119810.7530	-0.0054	0.020		
1204:	46	23	24	1	46	45	23	23	1	45	119824.3058	-0.0025	0.020	-0.0025	0.50
1205:	46	23	23	1	46	45	23	22	1	45	119824.3058	-0.0025	0.020	-0.0025	0.50
1206:	46	24	22	1	46	45	24	21	1	45	119855.8284	0.0117	0.020	0.0118	0.50
1207:	46	24	23	1	46	45	24	22	1	45	119855.8284	0.0117	0.020	0.0118	0.50
1208:	46	25	21	1	46	45	25	20	1	45	119888.7211	-0.0143	0.020	-0.0144	0.50
1209:	46	25	22	1	46	45	25	21	1	45	119888.7211	-0.0143	0.020	-0.0144	0.50
1210:	50	1	49	1	50	49	2	48	1	49	119902.7275	0.0767	0.060		
1211:	46	27	20	1	46	45	27	19	1	45	119958.7111	-0.0227	0.020	-0.0228	0.50
1212:	46	27	19	1	46	45	27	18	1	45	119958.7111	-0.0227	0.020	-0.0228	0.50
1213:	46	28	19	1	46	45	28	18	1	45	119995.7446	-0.0370	0.020	-0.0371	0.50
1214:	46	28	18	1	46	45	28	17	1	45	119995.7446	-0.0370	0.020	-0.0371	0.50
1215:	76	3	74	1	76	76	2	75	1	76	119999.3179	0.0362	0.040		
1216:	54	5	49	1	54	54	4	50	1	54	120059.4635	0.0158	0.040		
1217:	46	30	17	1	46	45	30	16	1	45	120073.9453	0.0437	0.040	0.0438	0.50
1218:	46	30	16	1	46	45	30	15	1	45	120073.9453	0.0437	0.040	0.0438	0.50
1219:	46	31	16	1	46	45	31	15	1	45	120114.9579	0.0123	0.020	0.0124	0.50
1220:	46	31	15	1	46	45	31	14	1	45	120114.9579	0.0123	0.020	0.0124	0.50
1221:	46	32	14	1	46	45	32	13	1	45	120157.3062	0.0125	0.020	0.0125	0.50
1222:	46	32	15	1	46	45	32	14	1	45	120157.3062	0.0125	0.020	0.0125	0.50
1223:	46	34	12	1	46	45	34	11	1	45	120245.8869	0.0408	0.040	0.0409	0.50
1224:	46	34	13	1	46	45	34	12	1	45	120245.8869	0.0408	0.040	0.0409	0.50
1225:	46	35	11	1	46	45	35	10	1	45	120292.0086	-0.0123	0.020	-0.0123	0.50
1226:	46	35	12	1	46	45	35	11	1	45	120292.0086	-0.0123	0.020	-0.0123	0.50
1227:	53	5	48	1	53	53	4	49	1	53	120377.7002	-0.0146	0.060		
1228:	46	3	43	1	46	45	3	42	1	45	120412.4511	-0.0028	0.020		
1229:	47	1	47	1	47	46	0	46	1	46	120545.0491	0.0158	0.020		
1230:	52	5	47	1	52	52	4	48	1	52	120670.4185	0.0040	0.060		
1231:	46	2	44	1	46	45	2	43	1	45	120851.0361	0.0126	0.020		
1232:	47	2	46	1	47	46	2	45	1	46	121327.4605	-0.0093	0.020		
1233:	49	5	44	1	49	49	4	45	1	49	121411.2538	-0.0151	0.060		
1234:	48	0	48	1	48	47	1	47	1	47	121561.3476	0.0015	0.020		
1235:	48	5	43	1	48	48	4	44	1	48	121617.6034	-0.0031	0.060		
1236:	70	1	69	1	70	70	0	70	1	70	121800.3448	-0.0051	0.020		
1237:	47	5	42	1	47	47	4	43	1	47	121806.1073	0.0584	0.040		
1238:	63	5	59	1	63	63	4	60	1	63	121860.5631	0.0354	0.040		
1239:	59	5	55	1	59	59	4	56	1	59	121893.7241	0.0916	0.060		
1240:	65	5	61	1	65	65	4	62	1	65	121912.0811	0.0383	0.040		
1241:	66	5	62	1	66	66	4	63	1	66	121958.7779	0.0350	0.040		
1242:	67	5	63	1	67	67	4	64	1	67	122020.9864	0.0275	0.040		
1243:	47	1	46	1	47	46	1	45	1	46	122085.6151	0.0048	0.020		
1244:	45	5	40	1	45	45	4	41	1	45	122134.5394	-0.0028	0.060		
1245:	47	9	38	1	47	46	9	37	1	46	122161.0521	0.0078	0.020	0.0078	0.50
1246:	47	9	39	1	47	46	9	38	1	46	122161.0521	0.0078	0.020	0.0078	0.50
1247:	53	5	49	1	53	53	4	50	1	53	122161.7584	0.1312	0.060		
1248:	47	10	38	1	47	46	10	37	1	46	122163.3566	0.0050	0.020	0.0050	0.50
1249:	47	10	37	1	47	46	10	36	1	46	122163.3566	0.0050	0.020	0.0050	0.50
1250:	47	8	40	1	47	46	8	39	1	46	122164.6655	-0.0057	0.020	-0.0058	0.50
1251:	47	8	39	1	47	46	8	38	1	46	122164.6655	-0.0058	0.020	-0.0058	0.50
1252:	47	11	37	1	47	46	11	36	1	46	122169.9891	-0.0033	0.020	-0.0034	0.50
1253:	47	11	36	1	47	46	11	35	1	46	122169.9891	-0.0033	0.020	-0.0034	0.50
1254:	47	3	45	1	47	46	3	44	1	46	122172.5027	-0.0069	0.020		
1255:	47	7	40	1	47	46	7	39	1	46	122177.1239	0.0048	0.020	0.0074	0.50
1256:	47	7	41	1	47	46	7	40	1	46	122177.1239	0.0099	0.020	0.0074	0.50
1257:	47	12	35	1	47	46	12	34	1	46	122180.0131	-0.0040	0.020	-0.0040	0.50
1258:	47	12	36	1	47	46	12	35	1	46	122180.0131	-0.0040	0.020	-0.0040	0.50
1259:	47	13	34	1	47	46	13	33	1	46	122192.8349	0.0032	0.020	0.0032	0.50
1260:	47	13	35	1	47	46	13	34	1	46	122192.8349	0.0032	0.020	0.0032	0.50
1261:	47	6	41	1	47	46	6	40	1	46	122204.1332	-0.0406	0.040		
1262:	47	14	33	1	47	46	14	32	1	46	122208.0446	-0.0041	0.020	-0.0041	0.50
1263:	47	14	34	1	47	46	14	33	1	46	122208.0446	-0.0041	0.020	-0.0041	0.50
1264:	52	5	48	1	52	52	4	49	1	52	122220.5217	0.1117	0.060		
1265:	47	15	33	1	47	46	15	32	1	46	122225.4007	-0.0052	0.020	-0.0052	0.50
1266:	47	15	32	1	47	46	15	31	1	46	122225.4007	-0.0052	0.020	-0.0052	0.50
1267:	48	1	48	1	48	47	1	47	1	47	122237.0744	-0.0218	0.020		
1268:	47	16	32	1	47	46	16	31	1	46	122244.7055	-0.0147	0.020	-0.0147	0.50
1269:	47	16	31	1	47	46	16	30	1	46	122244.7055	-0.0147	0.020	-0.0147	0.50
1270:	47	5	43	1	47	46	5	42	1	46	122254.9261	-0.0117	0.020		
1271:	47	5	42	1	47	46	5	41	1	46	122261.5943	-0.0007	0.020		
1272:	47	17	31	1	47	46	17	30	1	46	122265.8709	0.0105	0.020	0.0106	0.50
1273:	47	17	30	1	47	46	17	29	1	46	122265.8709	0.0105	0.020	0.0106	0.50
1274:	51	5	47	1	51	51	4	48	1	51	122281.3141	0.0758	0.040		
1275:	47	18	29	1	47	46	18	28	1	46	122288.7113	-0.0182	0.020	-0.0182	0.50
1276:	47	18	30	1	47	46	18	29	1	46	122288.7113	-0.0182	0.020	-0.0182	0.50
1277:	47	19	29	1	47	46	19	28	1	46	122313.2679	0.0129	0.020	0.0129	0.50
1278:	47	19	28	1	47	46	19	27	1	46	122313.2679	0.0129	0.020	0.0129	0.50
1279:	48	0	48	1	48	47	0	47	1	47	122313.4540	0.0014	0.020		
1280:	47	4	44	1	47	46	4	43	1	46	122317.5059	0.0173	0.020		
1281:	47	20	27	1	47	46	20	26	1	46	122339.3574	-0.0231	0.020	-0.0232	0.50
1282:	47	20	28	1	47	46	20	27	1	46	122339.3574	-0.0231	0.020	-0.0232	0.50

1283:	50	5	46	1	50	50	4	47	1	50	122343.6021	0.1238	0.060			
1284:	47	21	27	1	47	46	21	26	1	46	122367.0411	-0.0209	0.020	-0.0209	0.50	
1285:	47	21	26	1	47	46	21	25	1	46	122367.0411	-0.0209	0.020	-0.0209	0.50	
1286:	47	22	25	1	47	46	22	24	1	46	122396.2638	0.0000	0.020	0.0001	0.50	
1287:	47	22	26	1	47	46	22	25	1	46	122396.2638	0.0000	0.020	0.0001	0.50	
1288:	47	23	24	1	47	46	23	23	1	46	122426.9156	-0.0405	0.040	-0.0406	0.50	
1289:	47	23	25	1	47	46	23	24	1	46	122426.9156	-0.0405	0.040	-0.0406	0.50	
1290:	47	4	43	1	47	46	4	42	1	46	122433.4915	0.0072	0.020			
1291:	71	5	67	1	71	71	4	68	1	71	122448.7988	0.0413	0.040			
1292:	47	24	23	1	47	46	24	22	1	46	122459.0756	-0.0390	0.020	-0.0390	0.50	
1293:	47	24	24	1	47	46	24	23	1	46	122459.0756	-0.0390	0.020	-0.0390	0.50	
1294:	42	5	37	1	42	42	4	38	1	42	122524.2595	0.0562	0.040			
1295:	47	26	22	1	47	46	26	21	1	46	122527.7617	0.0157	0.020	0.0158	0.50	
1296:	47	26	21	1	47	46	26	20	1	46	122527.7617	0.0157	0.020	0.0158	0.50	
1297:	47	5	43	1	47	47	4	44	1	47	122533.1651	0.0803	0.040			
1298:	47	27	20	1	47	46	27	19	1	46	122564.1974	0.0148	0.020	0.0148	0.50	
1299:	47	27	21	1	47	46	27	20	1	46	122564.1974	0.0148	0.020	0.0148	0.50	
1300:	47	28	19	1	47	46	28	18	1	46	122602.0373	0.0258	0.020	0.0259	0.50	
1301:	47	28	20	1	47	46	28	19	1	46	122602.0373	0.0258	0.020	0.0259	0.50	
1302:	47	29	18	1	47	46	29	17	1	46	122641.2161	-0.0012	0.020	-0.0013	0.50	
1303:	47	29	19	1	47	46	29	18	1	46	122641.2161	-0.0012	0.020	-0.0013	0.50	
1304:	45	5	41	1	45	45	4	42	1	45	122657.1870	0.0128	0.060			
1305:	47	30	17	1	47	46	30	16	1	46	122681.8071	0.0213	0.020	0.0214	0.50	
1306:	47	30	18	1	47	46	30	17	1	46	122681.8071	0.0213	0.020	0.0214	0.50	
1307:	44	5	40	1	44	44	4	41	1	44	122717.3953	0.0359	0.040			
1308:	47	31	16	1	47	46	31	15	1	46	122723.7515	0.0494	0.040	0.0494	0.50	
1309:	47	31	17	1	47	46	31	16	1	46	122723.7515	0.0494	0.040	0.0494	0.50	
1310:	47	32	15	1	47	46	32	14	1	46	122766.9262	-0.0258	0.020	-0.0259	0.50	
1311:	47	32	16	1	47	46	32	15	1	46	122766.9262	-0.0258	0.020	-0.0259	0.50	
1312:	47	33	14	1	47	46	33	13	1	46	122811.5592	0.0380	0.020	0.0381	0.50	
1313:	47	33	15	1	47	46	33	14	1	46	122811.5592	0.0380	0.020	0.0381	0.50	
1314:	39	5	34	1	39	39	4	35	1	39	122814.8647	0.0249	0.040			
1315:	42	5	38	1	42	42	4	39	1	42	122832.5652	0.0440	0.040			
1316:	47	34	13	1	47	46	34	12	1	46	122857.4081	0.0135	0.020	0.0136	0.50	
1317:	47	34	14	1	47	46	34	13	1	46	122857.4081	0.0135	0.020	0.0136	0.50	
1318:	41	5	37	1	41	41	4	38	1	41	122887.0597	0.0316	0.040			
1319:	40	5	36	1	40	40	4	37	1	40	122939.3455	0.1078	0.060			
1320:	37	5	32	1	37	37	4	33	1	37	122965.0842	0.0929	0.040			
1321:	48	1	48	1	48	47	0	47	1	47	122989.2475	0.0447	0.040			
1322:	74	5	70	1	74	74	4	71	1	74	122990.9514	0.0944	0.060			
1323:	36	5	31	1	36	36	4	32	1	36	123029.1626	0.0313	0.040			
1324:	47	3	44	1	47	46	3	43	1	46	123072.4036	0.0282	0.020			
1325:	37	5	33	1	37	37	4	34	1	37	123080.9478	0.1048	0.060			
1326:	51	1	50	1	51	50	2	49	1	50	123090.2356	0.0558	0.060			
1327:	36	5	32	1	36	36	4	33	1	36	123122.8788	0.0971	0.040			
1328:	34	5	29	1	34	34	4	30	1	34	123138.6043	0.0335	0.040			
1329:	35	5	31	1	35	35	4	32	1	35	123162.0715	0.0397	0.040			
1330:	33	5	28	1	33	33	4	29	1	33	123185.0435	0.1049	0.060			
1331:	75	5	71	1	75	75	4	72	1	75	123219.9788	0.0212	0.040			
1332:	31	5	26	1	31	31	4	27	1	31	123263.4788	0.1563	0.090			
1333:	32	5	28	1	32	32	4	29	1	32	123263.9293	0.1469	0.090			
1334:	31	5	27	1	31	31	4	28	1	31	123292.5918	0.0843	0.040			
1335:	30	5	25	1	30	30	4	26	1	30	123296.2629	0.0965	0.040			
1336:	30	5	26	1	30	30	4	27	1	30	123318.8433	0.0951	0.040			
1337:	29	5	24	1	29	29	4	25	1	29	123325.3024	0.0283	0.040			
1338:	70	2	69	1	70	70	1	70	1	70	123342.6827	0.0497	0.040	0.0705	0.50	
1339:	29	5	25	1	29	29	4	26	1	29	123342.6827	0.0913	0.040	0.0705	0.50	
1340:	28	5	24	1	28	28	4	25	1	28	123364.2467	0.1124	0.060			
1341:	21	5	16	1	21	21	4	17	1	21	123458.7836	0.0634	0.040			
1342:	21	5	17	1	21	21	4	18	1	21	123460.1359	0.0436	0.040			
1343:	47	2	45	1	47	46	2	44	1	46	123462.2225	0.0197	0.020			
1344:	19	5	14	1	19	19	4	15	1	19	123472.9449	0.0163	0.060			
1345:	19	5	15	1	19	19	4	16	1	19	123473.6545	0.1020	0.060			
1346:	76	5	72	1	76	76	4	73	1	76	123475.2272	0.0793	0.060			
1347:	18	5	13	1	18	18	4	14	1	18	123478.1987	0.0351	0.040			
1348:	18	5	14	1	18	18	4	15	1	18	123478.6433	0.0723	0.040			
1349:	16	5	11	1	16	16	4	12	1	16	123485.7318	0.1272	0.040	0.0469	0.50	
1350:	16	5	12	1	16	16	4	13	1	16	123485.7318	-0.0335	0.040	0.0469	0.50	
1351:	14	5	9	1	14	14	4	10	1	14	123489.8565	0.0179	0.090	-0.0100	0.50	
1352:	14	5	10	1	14	14	4	11	1	14	123489.8565	-0.0380	0.090	-0.0100	0.50	
1353:	48	2	47	1	48	47	2	46	1	47	123878.8077	0.0342	0.020			
1354:	48	1	47	1	48	47	1	46	1	47	124609.1436	0.0038	0.020			
1355:	48	9	40	1	48	47	9	39	1	47	124760.0864	0.0096	0.020	0.0097	0.50	
1356:	48	9	39	1	48	47	9	38	1	47	124760.0864	0.0096	0.020	0.0097	0.50	
1357:	48	3	46	1	48	47	3	45	1	47	124760.7866	0.0181	0.020			
1358:	48	10	39	1	48	47	10	38	1	47	124761.9543	0.0078	0.020	0.0078	0.50	
1359:	48	10	38	1	48	47	10	37	1	47	124761.9543	0.0078	0.020	0.0078	0.50	
1360:	48	8	40	1	48	47	8	39	1	47	124764.4820	0.0151	0.020	0.0152	0.50	
1361:	48	8	41	1	48	47	8	40	1	47	124764.4820	0.0152	0.020	0.0152	0.50	
1362:	49	1	49	1	49	48	1	48	1	48	124765.0751	-0.0191	0.020			
1363:	48	11	38	1	48	47	11	37	1	47	124768.3782	0.0082	0.020	0.0082	0.50	
1364:	48	11	37	1	48	47	11	36	1	47	124768.3782	0.0082	0.020	0.0082	0.50	
1365:	48	7	42	1	48	47	7	41	1	47	124778.2672	0.0785	0.020	0.0034	0.25	

1366:	48	7	41	1	48	47	7	40	1	47	124778.2672	0.0718	0.020	0.0034	0.25
1367:	48	12	37	1	48	47	12	36	1	47	124778.2672	-0.0682	0.020	0.0034	0.25
1368:	48	12	36	1	48	47	12	35	1	47	124778.2672	-0.0682	0.020	0.0034	0.25
1369:	48	13	36	1	48	47	13	35	1	47	124791.2401	0.0295	0.020	0.0295	0.50
1370:	48	13	35	1	48	47	13	34	1	47	124791.2401	0.0295	0.020	0.0295	0.50
1371:	48	14	35	1	48	47	14	34	1	47	124806.5908	0.0081	0.020	0.0082	0.50
1372:	48	14	34	1	48	47	14	33	1	47	124806.5908	0.0081	0.020	0.0082	0.50
1373:	48	6	43	1	48	47	6	42	1	47	124807.1576	-0.0184	0.020		
1374:	48	6	42	1	48	47	6	41	1	47	124807.4810	0.0202	0.020		
1375:	48	15	33	1	48	47	15	32	1	47	124824.1709	-0.0015	0.020	-0.0015	0.50
1376:	48	15	34	1	48	47	15	33	1	47	124824.1709	-0.0015	0.020	-0.0015	0.50
1377:	49	0	49	1	49	48	0	48	1	48	124834.2019	0.0140	0.020		
1378:	48	16	33	1	48	47	16	32	1	47	124843.7807	-0.0044	0.020	-0.0044	0.50
1379:	48	16	32	1	48	47	16	31	1	47	124843.7807	-0.0044	0.020	-0.0044	0.50
1380:	48	5	44	1	48	47	5	43	1	47	124861.5053	-0.0056	0.020		
1381:	48	17	31	1	48	47	17	30	1	47	124865.2827	0.0017	0.020	0.0017	0.50
1382:	48	17	32	1	48	47	17	31	1	47	124865.2827	0.0017	0.020	0.0017	0.50
1383:	48	5	43	1	48	47	5	42	1	47	124869.5461	0.0169	0.020		
1384:	48	18	30	1	48	47	18	29	1	47	124888.5389	-0.0183	0.020	-0.0183	0.50
1385:	48	18	31	1	48	47	18	30	1	47	124888.5389	-0.0183	0.020	-0.0183	0.50
1386:	48	19	29	1	48	47	19	28	1	47	124913.5194	-0.0170	0.020	-0.0170	0.50
1387:	48	19	30	1	48	47	19	29	1	47	124913.5194	-0.0170	0.020	-0.0170	0.50
1388:	48	4	45	1	48	47	4	44	1	47	124924.7056	0.0200	0.020		
1389:	48	20	28	1	48	47	20	27	1	47	124940.1644	0.0054	0.020	0.0055	0.50
1390:	48	20	29	1	48	47	20	28	1	47	124940.1644	0.0054	0.020	0.0055	0.50
1391:	48	21	27	1	48	47	21	26	1	47	124968.3859	0.0080	0.020	0.0080	0.50
1392:	48	21	28	1	48	47	21	27	1	47	124968.3859	0.0080	0.020	0.0080	0.50
1393:	48	22	26	1	48	47	22	25	1	47	124998.1736	0.0182	0.020	0.0182	0.50
1394:	48	22	27	1	48	47	22	26	1	47	124998.1736	0.0182	0.020	0.0182	0.50
1395:	48	23	26	1	48	47	23	25	1	47	125029.4651	0.0046	0.020	0.0047	0.50
1396:	48	23	25	1	48	47	23	24	1	47	125029.4651	0.0046	0.020	0.0047	0.50
1397:	48	4	44	1	48	47	4	43	1	47	125057.9922	0.0207	0.020		
1398:	48	25	24	1	48	47	25	23	1	47	125096.5904	0.0386	0.020	0.0386	0.50
1399:	48	25	23	1	48	47	25	22	1	47	125096.5904	0.0386	0.020	0.0386	0.50
1400:	81	5	77	1	81	81	4	78	1	81	125179.4804	0.0172	0.040		
1401:	48	28	20	1	48	47	28	19	1	47	125208.1262	0.0379	0.020	0.0379	0.50
1402:	48	28	21	1	48	47	28	20	1	47	125208.1262	0.0379	0.020	0.0379	0.50
1403:	48	29	20	1	48	47	29	19	1	47	125248.0726	-0.0322	0.020	-0.0322	0.50
1404:	48	29	19	1	48	47	29	18	1	47	125248.0726	-0.0322	0.020	-0.0322	0.50
1405:	48	30	18	1	48	47	30	17	1	47	125289.5480	0.0337	0.020	0.0338	0.50
1406:	48	30	19	1	48	47	30	18	1	47	125289.5480	0.0337	0.020	0.0338	0.50
1407:	79	3	77	1	79	79	2	78	1	79	125301.6304	0.0594	0.040		
1408:	49	1	49	1	49	48	0	48	1	48	125440.9090	0.0645	0.040		
1409:	48	36	12	1	48	47	36	11	1	47	125566.3733	-0.0078	0.020	-0.0078	0.50
1410:	48	36	13	1	48	47	36	12	1	47	125566.3733	-0.0078	0.020	-0.0078	0.50
1411:	48	38	10	1	48	47	38	9	1	47	125669.0518	-0.0630	0.040	-0.0630	0.50
1412:	48	38	11	1	48	47	38	10	1	47	125669.0518	-0.0630	0.040	-0.0630	0.50
1413:	48	39	9	1	48	47	39	8	1	47	125722.3590	-0.0035	0.020	-0.0036	0.50
1414:	48	39	10	1	48	47	39	9	1	47	125722.3590	-0.0035	0.020	-0.0036	0.50
1415:	48	3	45	1	48	47	3	44	1	47	125733.2488	-0.0016	0.020		
1416:	86	4	83	1	86	86	3	84	1	86	125765.9041	-0.0480	0.060		
1417/	97	6	91	1	97	97	5	92	1	97	125845.2120	0.1441	0.040		
1418:	48	2	46	1	48	47	2	45	1	47	126069.6711	0.0085	0.020		
1419:	52	1	51	1	52	51	2	50	1	51	126245.0845	0.0063	0.040		
1420:	19	7	12	1	19	20	6	15	1	20	126297.3900	0.1388	0.060	0.1388	0.50
1421:	19	7	13	1	19	20	6	14	1	20	126297.3900	0.1388	0.060	0.1388	0.50
1422:	49	2	48	1	49	48	2	47	1	48	126428.6509	0.0124	0.020		
1423:	23	3	21	1	23	22	2	20	1	22	126492.8837	-0.0350	0.040		
1424:	50	0	50	1	50	49	1	49	1	49	126748.4392	-0.0198	0.020		
1425:	85	5	81	1	85	85	4	82	1	85	127113.5769	0.0585	0.060		
1426:	49	1	48	1	49	48	1	47	1	48	127129.9917	0.0338	0.020		
1427:	12	4	8	1	12	11	3	9	1	11	127249.9890	0.0891	0.060		
1428:	50	1	50	1	50	49	1	49	1	49	127292.6850	0.0146	0.020		
1429:	49	3	47	1	49	48	3	46	1	48	127347.7334	0.0656	0.040		
1430:	50	0	50	1	50	49	0	49	1	49	127355.1352	0.0195	0.020		
1431:	49	9	40	1	49	48	9	39	1	48	127359.1307	0.0314	0.020	0.0314	0.50
1432:	49	9	41	1	49	48	9	40	1	48	127359.1307	0.0314	0.020	0.0314	0.50
1433:	49	10	40	1	49	48	10	39	1	48	127360.4775	-0.0233	0.020	-0.0233	0.50
1434:	49	10	39	1	49	48	10	38	1	48	127360.4775	-0.0233	0.020	-0.0233	0.50
1435:	49	8	42	1	49	48	8	41	1	48	127364.3079	0.0122	0.020	0.0122	0.50
1436:	49	8	41	1	49	48	8	40	1	48	127364.3079	0.0121	0.020	0.0122	0.50
1437:	49	11	38	1	49	48	11	37	1	48	127366.6725	-0.0119	0.020	-0.0120	0.50
1438:	49	11	39	1	49	48	11	38	1	48	127366.6725	-0.0119	0.020	-0.0120	0.50
1439:	49	12	38	1	49	48	12	37	1	48	127376.6529	0.0790	0.040	0.0790	0.50
1440:	49	12	37	1	49	48	12	36	1	48	127376.6529	0.0790	0.040	0.0790	0.50
1441:	49	7	42	1	49	48	7	41	1	48	127379.3628	-0.0073	0.020	-0.0030	0.50
1442:	49	7	43	1	49	48	7	42	1	48	127379.3628	0.0014	0.020	-0.0030	0.50
1443:	49	13	37	1	49	48	13	36	1	48	127389.4671	-0.0291	0.020	-0.0292	0.50
1444:	49	13	36	1	49	48	13	35	1	48	127389.4671	-0.0291	0.020	-0.0292	0.50
1445:	49	14	35	1	49	48	14	34	1	48	127405.0021	-0.0106	0.020	-0.0107	0.50
1446:	49	14	36	1	49	48	14	35	1	48	127405.0021	-0.0106	0.020	-0.0107	0.50
1447:	49	15	34	1	49	48	15	33	1	48	127422.8290	0.0024	0.020	0.0024	0.50
1448:	49	15	35	1	49	48	15	34	1	48	127422.8290	0.0024	0.020	0.0024	0.50

1449:	49	16	33	1	49	48	16	32	1	48	127442.7557	0.0250	0.020	0.0250	0.50
1450:	49	16	34	1	49	48	16	33	1	48	127442.7557	0.0250	0.020	0.0250	0.50
1451:	49	17	32	1	49	48	17	31	1	48	127464.6110	0.0345	0.020	0.0345	0.50
1452:	49	17	33	1	49	48	17	32	1	48	127464.6110	0.0345	0.020	0.0345	0.50
1453:	49	5	45	1	49	48	5	44	1	48	127468.3636	-0.0026	0.020		
1454:	49	5	44	1	49	48	5	43	1	48	127478.0247	0.0410	0.020		
1455:	49	18	32	1	49	48	18	31	1	48	127488.2650	0.0102	0.020	0.0102	0.50
1456:	49	18	31	1	49	48	18	30	1	48	127488.2650	0.0102	0.020	0.0102	0.50
1457:	49	19	30	1	49	48	19	29	1	48	127513.6775	-0.0059	0.020	-0.0060	0.50
1458:	49	19	31	1	49	48	19	30	1	48	127513.6775	-0.0059	0.020	-0.0060	0.50
1459:	49	4	46	1	49	48	4	45	1	48	127531.7153	-0.0144	0.020		
1460:	49	20	30	1	49	48	20	29	1	48	127540.8381	0.0388	0.020	0.0388	0.50
1461:	49	20	29	1	49	48	20	28	1	48	127540.8381	0.0388	0.020	0.0388	0.50
1462:	49	21	28	1	49	48	21	27	1	48	127569.5245	-0.0279	0.020	-0.0279	0.50
1463:	49	21	29	1	49	48	21	28	1	48	127569.5245	-0.0279	0.020	-0.0279	0.50
1464:	49	22	28	1	49	48	22	27	1	48	127599.8900	-0.0129	0.020	-0.0130	0.50
1465:	49	22	27	1	49	48	22	26	1	48	127599.8900	-0.0129	0.020	-0.0130	0.50
1466:	49	23	27	1	49	48	23	26	1	48	127631.8628	0.0447	0.040	0.0447	0.50
1467:	49	23	26	1	49	48	23	25	1	48	127631.8628	0.0447	0.040	0.0447	0.50
1468:	49	25	24	1	49	48	25	23	1	48	127700.2361	0.0009	0.020	0.0010	0.50
1469:	49	25	25	1	49	48	25	24	1	48	127700.2361	0.0009	0.020	0.0010	0.50
1470:	49	26	24	1	49	48	26	23	1	48	127736.6658	-0.0265	0.020	-0.0266	0.50
1471:	49	26	23	1	49	48	26	22	1	48	127736.6658	-0.0265	0.020	-0.0266	0.50
1472:	49	27	22	1	49	48	27	21	1	48	127774.6299	0.0070	0.020	0.0071	0.50
1473:	49	27	23	1	49	48	27	22	1	48	127774.6299	0.0070	0.020	0.0071	0.50
1474:	49	29	20	1	49	48	29	19	1	48	127854.8165	-0.0181	0.020	-0.0181	0.50
1475:	49	29	21	1	49	48	29	20	1	48	127854.8165	-0.0181	0.020	-0.0181	0.50
1476:	49	33	16	1	49	48	33	15	1	48	128032.2308	0.0125	0.020	0.0126	0.50
1477:	49	33	17	1	49	48	33	16	1	48	128032.2308	0.0125	0.020	0.0126	0.50
1478:	49	2	47	1	49	48	2	46	1	48	128673.2985	0.0198	0.020		
1479:	50	2	49	1	50	49	2	48	1	49	128977.1104	0.0232	0.020		
1480:	51	1	51	1	51	50	1	50	1	50	129819.7637	-0.0817	0.060		
1481:	51	0	51	1	51	50	0	50	1	50	129876.1735	-0.0441	0.040		
1482:	50	9	41	1	50	49	9	40	1	49	129958.1946	0.0830	0.040	0.0830	0.50
1483:	50	9	42	1	50	49	9	41	1	49	129958.1946	0.0830	0.040	0.0830	0.50
1484:	50	8	43	1	50	49	8	42	1	49	129964.2135	0.0549	0.040	0.0548	0.50
1485:	50	8	42	1	50	49	8	41	1	49	129964.2135	0.0547	0.040	0.0548	0.50
1486:	50	13	37	1	50	49	13	36	1	49	129987.6814	-0.0052	0.020	-0.0053	0.50
1487:	50	13	38	1	50	49	13	37	1	49	129987.6814	-0.0052	0.020	-0.0053	0.50
1488:	50	14	36	1	50	49	14	35	1	49	130003.3608	0.0238	0.020	0.0238	0.50
1489:	50	14	37	1	50	49	14	36	1	49	130003.3608	0.0238	0.020	0.0238	0.50
1490:	50	17	33	1	50	49	17	32	1	49	130063.6829	-0.0612	0.040	-0.0613	0.50
1491:	50	17	34	1	50	49	17	33	1	49	130063.6829	-0.0612	0.040	-0.0613	0.50
1492:	50	5	46	1	50	49	5	45	1	49	130075.4160	-0.0828	0.060		
1493:	50	20	30	1	50	49	20	29	1	49	130141.3044	0.0057	0.020	0.0057	0.50
1494:	50	20	31	1	50	49	20	30	1	49	130141.3044	0.0057	0.020	0.0057	0.50
1495:	50	25	25	1	50	49	25	24	1	49	130303.7995	0.0350	0.020	0.0351	0.50
1496:	50	25	26	1	50	49	25	25	1	49	130303.7995	0.0350	0.020	0.0351	0.50
1497:	50	27	23	1	50	49	27	22	1	49	130379.5988	-0.0091	0.020	-0.0092	0.50
1498:	50	27	24	1	50	49	27	23	1	49	130379.5988	-0.0091	0.020	-0.0092	0.50
1499:	77	12	65	1	77	76	12	64	1	76	200087.6391	-0.0371	0.060	-0.0372	0.50
1500:	77	12	66	1	77	76	12	65	1	76	200087.6391	-0.0371	0.060	-0.0372	0.50
1501:	77	11	67	1	77	76	11	66	1	76	200088.2111	0.0071	0.025	0.0071	0.50
1502:	77	11	66	1	77	76	11	65	1	76	200088.2111	0.0071	0.025	0.0071	0.50
1503:	77	13	64	1	77	76	13	63	1	76	200095.4491	-0.0468	0.060	-0.0469	0.50
1504:	77	13	65	1	77	76	13	64	1	76	200095.4491	-0.0468	0.060	-0.0469	0.50
1505:	77	10	68	1	77	76	10	67	1	76	200099.7683	0.0528	0.060	0.0528	0.50
1506:	77	10	67	1	77	76	10	66	1	76	200099.7683	0.0527	0.060	0.0528	0.50
1507:	77	14	63	1	77	76	14	62	1	76	200109.9253	-0.0342	0.060	-0.0343	0.50
1508:	77	14	64	1	77	76	14	63	1	76	200109.9253	-0.0342	0.060	-0.0343	0.50
1509:	77	9	69	1	77	76	9	68	1	76	200126.4739	-0.0146	0.025	-0.0167	0.50
1510:	77	9	68	1	77	76	9	67	1	76	200126.4739	-0.0188	0.025	-0.0167	0.50
1511:	77	15	62	1	77	76	15	61	1	76	200129.9187	-0.0045	0.025	-0.0046	0.50
1512:	77	15	63	1	77	76	15	62	1	76	200129.9187	-0.0045	0.025	-0.0046	0.50
1513:	77	16	61	1	77	76	16	60	1	76	200154.5948	0.0008	0.025	0.0008	0.50
1514:	77	16	62	1	77	76	16	61	1	76	200154.5948	0.0008	0.025	0.0008	0.50
1515:	77	8	70	1	77	76	8	69	1	76	200175.9001	0.0385	0.025	-0.0256	0.50
1516:	77	8	69	1	77	76	8	68	1	76	200175.9001	-0.0897	0.025	-0.0256	0.50
1517:	77	17	60	1	77	76	17	59	1	76	200183.3852	-0.0214	0.025	-0.0215	0.50
1518:	77	17	61	1	77	76	17	60	1	76	200183.3852	-0.0214	0.025	-0.0215	0.50
1519:	77	18	59	1	77	76	18	58	1	76	200215.9217	-0.0274	0.025	-0.0274	0.50
1520:	77	18	60	1	77	76	18	59	1	76	200215.9217	-0.0274	0.025	-0.0274	0.50
1521:	77	4	74	1	77	76	4	73	1	76	200218.3689	0.0989	0.060		
1522:	77	19	58	1	77	76	19	57	1	76	200251.9445	0.0305	0.060	0.0306	0.50
1523:	77	19	59	1	77	76	19	58	1	76	200251.9445	0.0305	0.060	0.0306	0.50
1524:	77	7	71	1	77	76	7	70	1	76	200260.5556	0.0010	0.025		
1525:	77	7	70	1	77	76	7	69	1	76	200263.3869	-0.0399	0.060		
1526:	77	20	57	1	77	76	20	56	1	76	200291.0887	0.0212	0.025	0.0212	0.50
1527:	77	20	58	1	77	76	20	57	1	76	200291.0887	0.0212	0.025	0.0212	0.50
1528:	77	21	56	1	77	76	21	55	1	76	200333.2749	0.0461	0.060	0.0462	0.50
1529:	77	21	57	1	77	76	21	56	1	76	200333.2749	0.0461	0.060	0.0462	0.50
1530:	77	22	55	1	77	76	22	54	1	76	200378.2409	-0.0143	0.025	-0.0143	0.50
1531:	77	22	56	1	77	76	22	55	1	76	200378.2409	-0.0143	0.025	-0.0143	0.50

1532:	77	6	72	1	77	76	6	71	1	76	200392.8318	0.0459	0.060		
1533:	77	23	54	1	77	76	23	53	1	76	200426.0834	0.0508	0.060	0.0508	0.50
1534:	77	23	55	1	77	76	23	54	1	76	200426.0834	0.0508	0.060	0.0508	0.50
1535:	79	0	79	1	79	78	1	78	1	78	200449.0170	-0.0401	0.060		
1536:	79	1	79	1	79	78	1	78	1	78	200467.8463	-0.0119	0.025		
1537:	79	0	79	1	79	78	0	78	1	78	200470.2292	-0.0396	0.060		
1538:	77	24	53	1	77	76	24	52	1	76	200476.5636	0.0958	0.060	0.0959	0.50
1539:	77	24	54	1	77	76	24	53	1	76	200476.5636	0.0958	0.060	0.0959	0.50
1540:	79	1	79	1	79	78	0	78	1	78	200488.9946	-0.0753	0.060		
1541:	77	5	73	1	77	76	5	72	1	76	200500.6416	-0.0015	0.025		
1542:	77	25	52	1	77	76	25	51	1	76	200529.4947	0.0113	0.025	0.0114	0.50
1543:	77	25	53	1	77	76	25	52	1	76	200529.4947	0.0113	0.025	0.0114	0.50
1544:	77	26	51	1	77	76	26	50	1	76	200585.0499	0.0357	0.060	0.0358	0.50
1545:	77	26	52	1	77	76	26	51	1	76	200585.0499	0.0357	0.060	0.0358	0.50
1546:	77	27	50	1	77	76	27	49	1	76	200642.9330	-0.0711	0.060	-0.0711	0.50
1547:	77	27	51	1	77	76	27	50	1	76	200642.9330	-0.0711	0.060	-0.0711	0.50
1548:	77	28	49	1	77	76	28	48	1	76	200703.4305	0.0263	0.025	0.0264	0.50
1549:	77	28	50	1	77	76	28	49	1	76	200703.4305	0.0263	0.025	0.0264	0.50
1550:	77	29	48	1	77	76	29	47	1	76	200766.2133	0.0429	0.060	0.0429	0.50
1551:	77	29	49	1	77	76	29	48	1	76	200766.2133	0.0429	0.060	0.0429	0.50
1552:	77	30	47	1	77	76	30	46	1	76	200831.2662	0.0030	0.025	0.0031	0.50
1553:	77	30	48	1	77	76	30	47	1	76	200831.2662	0.0030	0.025	0.0031	0.50
1554:	77	31	46	1	77	76	31	45	1	76	200898.6475	0.0020	0.025	0.0020	0.50
1555:	77	31	47	1	77	76	31	46	1	76	200898.6475	0.0020	0.025	0.0020	0.50
1556:	77	5	72	1	77	76	5	71	1	76	200931.0774	0.0009	0.025		
1557:	78	3	76	1	78	77	3	75	1	77	201662.4442	0.0165	0.025		
1558:	79	1	78	1	79	78	2	77	1	78	201772.7286	-0.0416	0.060		
1559:	77	3	74	1	77	76	3	73	1	76	201989.1199	-0.0123	0.025		
1560:	77	4	73	1	77	76	4	72	1	76	202028.2489	-0.0017	0.025		
1561:	78	2	76	1	78	77	2	75	1	77	202363.8291	0.0386	0.060		
1562:	79	2	78	1	79	78	2	77	1	78	202416.7713	-0.0530	0.060		
1563:	79	1	78	1	79	78	1	77	1	78	202486.9429	-0.0494	0.060		
1564:	78	12	66	1	78	77	12	65	1	77	202682.8121	-0.0198	0.025	-0.0198	0.50
1565:	78	12	67	1	78	77	12	66	1	77	202682.8121	-0.0198	0.025	-0.0198	0.50
1566:	78	11	67	1	78	77	11	66	1	77	202684.1363	0.0595	0.060	0.0595	0.50
1567:	78	11	68	1	78	77	11	67	1	77	202684.1363	0.0595	0.060	0.0595	0.50
1568:	78	13	65	1	78	77	13	64	1	77	202690.1944	-0.0084	0.025	-0.0084	0.50
1569:	78	13	66	1	78	77	13	65	1	77	202690.1944	-0.0084	0.025	-0.0084	0.50
1570:	78	10	69	1	78	77	10	68	1	77	202696.7194	0.0389	0.060	0.0389	0.50
1571:	78	10	68	1	78	77	10	67	1	77	202696.7194	0.0388	0.060	0.0389	0.50
1572:	78	15	63	1	78	77	15	62	1	77	202724.2165	-0.0714	0.060	-0.0715	0.50
1573:	78	15	64	1	78	77	15	63	1	77	202724.2165	-0.0714	0.060	-0.0715	0.50
1574:	78	9	70	1	78	77	9	69	1	77	202725.0862	-0.0115	0.025	-0.0142	0.50
1575:	78	9	69	1	78	77	9	68	1	77	202725.0862	-0.0168	0.025	-0.0142	0.50
1576:	78	16	62	1	78	77	16	61	1	77	202748.9987	0.0097	0.025	0.0097	0.50
1577:	78	16	63	1	78	77	16	62	1	77	202748.9987	0.0097	0.025	0.0097	0.50
1578:	78	8	71	1	78	77	8	70	1	77	202776.9358	-0.0378	0.060		
1579:	78	17	61	1	78	77	17	60	1	77	202777.9709	0.0370	0.060	0.0371	0.50
1580:	78	17	62	1	78	77	17	61	1	77	202777.9709	0.0370	0.060	0.0371	0.50
1581:	78	4	75	1	78	77	4	74	1	77	202794.6253	0.0327	0.025		
1582:	78	18	60	1	78	77	18	59	1	77	202810.6621	-0.0321	0.025	-0.0321	0.50
1583:	78	18	61	1	78	77	18	60	1	77	202810.6621	-0.0321	0.025	-0.0321	0.50
1584:	78	7	72	1	78	77	7	71	1	77	202865.5039	0.0439	0.060		
1585:	78	7	71	1	78	77	7	70	1	77	202868.8479	0.0101	0.025		
1586:	78	20	58	1	78	77	20	57	1	77	202886.4426	-0.0186	0.025	-0.0187	0.50
1587:	78	20	59	1	78	77	20	58	1	77	202886.4426	-0.0186	0.025	-0.0187	0.50
1588:	78	21	57	1	78	77	21	56	1	77	202929.0253	-0.0122	0.025	-0.0122	0.50
1589:	78	21	58	1	78	77	21	57	1	77	202929.0253	-0.0122	0.025	-0.0122	0.50
1590:	78	22	56	1	78	77	22	55	1	77	202974.4751	-0.0566	0.060	-0.0566	0.50
1591:	78	22	57	1	78	77	22	56	1	77	202974.4751	-0.0566	0.060	-0.0566	0.50
1592:	80	1	80	1	80	79	1	79	1	79	202987.6679	-0.1310	0.080		
1593:	80	0	80	1	80	79	0	79	1	79	202989.9322	-0.0070	0.080		
1594:	78	6	73	1	78	77	6	72	1	77	203001.9264	-0.0043	0.025		
1595:	78	6	72	1	78	77	6	71	1	77	203053.1807	0.0045	0.025		
1596:	78	24	54	1	78	77	24	53	1	77	203073.8116	-0.0103	0.025	-0.0103	0.50
1597:	78	24	55	1	78	77	24	54	1	77	203073.8116	-0.0103	0.025	-0.0103	0.50
1598:	78	5	74	1	78	77	5	73	1	77	203105.2278	0.0190	0.025		
1599:	78	25	53	1	78	77	25	52	1	77	203127.4438	0.0024	0.025	0.0025	0.50
1600:	78	25	54	1	78	77	25	53	1	77	203127.4438	0.0024	0.025	0.0025	0.50
1601:	79	2	78	1	79	78	1	77	1	78	203131.1228	0.0763	0.090		
1602:	87	8	80	1	87	87	7	81	1	87	203180.1906	-0.0713	0.040		
1603:	78	26	52	1	78	77	26	51	1	77	203183.5544	-0.0616	0.060	-0.0617	0.50
1604:	78	26	53	1	78	77	26	52	1	77	203183.5544	-0.0616	0.060	-0.0617	0.50
1605:	78	28	50	1	78	77	28	49	1	77	203303.4699	0.0628	0.060	0.0629	0.50
1606:	78	28	51	1	78	77	28	50	1	77	203303.4699	0.0628	0.060	0.0629	0.50
1607:	86	8	79	1	86	86	7	80	1	86	203306.7707	-0.0265	0.060		
1608:	78	29	49	1	78	77	29	48	1	77	203366.9281	0.0006	0.025	0.0007	0.50
1609:	78	29	50	1	78	77	29	49	1	77	203366.9281	0.0006	0.025	0.0007	0.50
1610/	85	8	78	1	85	85	7	79	1	85	203428.7133	-0.0830	0.025		
1611:	78	30	48	1	78	77	30	47	1	77	203432.8407	0.0323	0.025	0.0323	0.50
1612:	78	30	49	1	78	77	30	48	1	77	203432.8407	0.0323	0.025	0.0323	0.50
1613:	84	8	76	1	84	84	7	77	1	84	203491.6344	-0.1546	0.060		
1614:	78	31	47	1	78	77	31	46	1	77	203501.0119	-0.0001	0.025	-0.0002	0.50

1615:	78	31	48	1	78	77	31	47	1	77	203501.0119	-0.0001	0.025	-0.0002	0.50
1616:	78	5	73	1	78	77	5	72	1	77	203579.6578	-0.0186	0.025		
1617:	78	33	45	1	78	77	33	44	1	77	203644.2893	0.0426	0.060	0.0427	0.50
1618:	78	33	46	1	78	77	33	45	1	77	203644.2893	0.0426	0.060	0.0427	0.50
1619:	31	5	27	1	31	30	4	26	1	30	203883.9542	0.0380	0.040		
1620:	79	8	71	1	79	79	7	72	1	79	204045.6854	0.0339	0.060		
1621:	79	8	72	1	79	79	7	73	1	79	204069.4719	-0.1409	0.060		
1622:	79	3	77	1	79	78	3	76	1	78	204200.7986	0.0032	0.025		
1623/	77	8	69	1	77	77	7	70	1	77	204233.3202	-0.1891	0.060		
1624:	74	3	72	1	74	73	2	71	1	73	204299.7424	0.0443	0.090		
1625:	76	8	68	1	76	76	7	69	1	76	204320.9926	0.0463	0.060		
1626:	80	1	79	1	80	79	2	78	1	79	204358.0638	0.0145	0.040		
1627:	75	8	67	1	75	75	7	68	1	75	204404.2827	0.0119	0.060		
1628:	74	8	66	1	74	74	7	67	1	74	204483.6517	0.0166	0.060		
1629:	74	8	67	1	74	74	7	68	1	74	204493.5633	0.0151	0.060		
1630:	78	3	75	1	78	77	3	74	1	77	204557.1535	0.0313	0.025		
1631:	78	4	74	1	78	77	4	73	1	77	204689.7668	0.0122	0.025		
1632:	69	8	62	1	69	69	7	63	1	69	204829.7573	-0.0145	0.025		
1633:	79	2	77	1	79	78	2	76	1	78	204861.8141	0.0812	0.060		
1634:	80	1	79	1	80	79	1	78	1	79	205002.1439	0.0405	0.060		
1635:	65	8	57	1	65	65	7	58	1	65	205041.8838	0.0209	0.060		
1636:	61	8	53	1	61	61	7	54	1	61	205213.8839	-0.0683	0.060		
1637:	79	12	67	1	79	78	12	66	1	78	205277.8683	0.0136	0.025	0.0137	0.50
1638:	79	12	68	1	79	78	12	67	1	78	205277.8683	0.0136	0.025	0.0137	0.50
1639:	79	11	69	1	79	78	11	68	1	78	205279.8360	-0.0078	0.025	-0.0078	0.50
1640:	79	11	68	1	79	78	11	67	1	78	205279.8360	-0.0078	0.025	-0.0078	0.50
1641:	79	13	67	1	79	78	13	66	1	78	205284.7236	-0.0321	0.025	-0.0322	0.50
1642:	79	13	66	1	79	78	13	65	1	78	205284.7236	-0.0321	0.025	-0.0322	0.50
1643:	79	10	70	1	79	78	10	69	1	78	205293.5940	0.0176	0.025	0.0176	0.50
1644:	79	10	69	1	79	78	10	68	1	78	205293.5940	0.0174	0.025	0.0176	0.50
1645:	79	14	65	1	79	78	14	64	1	78	205298.7021	-0.0036	0.025	-0.0037	0.50
1646:	79	14	66	1	79	78	14	65	1	78	205298.7021	-0.0036	0.025	-0.0037	0.50
1647:	79	15	65	1	79	78	15	64	1	78	205318.4164	-0.0526	0.060	-0.0526	0.50
1648:	79	15	64	1	79	78	15	63	1	78	205318.4164	-0.0526	0.060	-0.0526	0.50
1649:	79	9	71	1	79	78	9	70	1	78	205323.6726	-0.0167	0.025	-0.0200	0.50
1650:	79	9	70	1	79	78	9	69	1	78	205323.6726	-0.0232	0.025	-0.0200	0.50
1651:	82	2	80	1	82	81	3	79	1	81	205338.0031	0.0712	0.090		
1652:	79	16	64	1	79	78	16	63	1	78	205343.2127	0.0232	0.025	0.0232	0.50
1653:	79	16	63	1	79	78	16	62	1	78	205343.2127	0.0232	0.025	0.0232	0.50
1654:	79	4	76	1	79	78	4	75	1	78	205369.0681	-0.0436	0.060		
1655:	79	17	62	1	79	78	17	61	1	78	205372.2011	-0.0562	0.060	-0.0562	0.50
1656:	79	17	63	1	79	78	17	62	1	78	205372.2011	-0.0562	0.060	-0.0562	0.50
1657:	56	8	48	1	56	56	7	49	1	56	205376.7003	-0.0528	0.025		
1658:	79	8	71	1	79	78	8	70	1	78	205378.2497	-0.0803	0.025	0.0131	0.50
1659:	79	8	72	1	79	78	8	71	1	78	205378.2497	0.1065	0.025	0.0131	0.50
1660:	55	8	47	1	55	55	7	48	1	55	205403.1938	-0.0124	0.025		
1661:	79	18	61	1	79	78	18	60	1	78	205405.1736	-0.0543	0.060	-0.0543	0.50
1662:	79	18	62	1	79	78	18	61	1	78	205405.1736	-0.0543	0.060	-0.0543	0.50
1663:	79	19	60	1	79	78	19	59	1	78	205441.7873	0.0174	0.025	0.0174	0.50
1664:	79	19	61	1	79	78	19	60	1	78	205441.7873	0.0174	0.025	0.0174	0.50
1665:	79	7	73	1	79	78	7	72	1	78	205470.5506	0.0346	0.060		
1666:	79	7	72	1	79	78	7	71	1	78	205474.5196	0.0406	0.060		
1667:	79	20	59	1	79	78	20	58	1	78	205481.6766	0.0451	0.060	0.0452	0.50
1668:	79	20	60	1	79	78	20	59	1	78	205481.6766	0.0451	0.060	0.0452	0.50
1669:	51	8	43	1	51	51	7	44	1	51	205491.2532	-0.0527	0.060	-0.0830	0.50
1670:	51	8	44	1	51	51	7	45	1	51	205491.2532	-0.1132	0.060	-0.0830	0.50
1671:	81	0	81	1	81	80	1	80	1	80	205492.8757	0.1035	0.100		
1672:	81	1	81	1	81	80	1	80	1	80	205507.4767	-0.0567	0.060		
1673:	50	8	42	1	50	50	7	43	1	50	205509.3421	0.0685	0.060	0.0001	0.33
1674:	50	8	43	1	50	50	7	44	1	50	205509.3421	0.0225	0.060	0.0001	0.33
1675:	81	0	81	1	81	80	0	80	1	80	205509.3421	-0.0909	0.060	0.0001	0.33
1676:	79	21	59	1	79	78	21	58	1	78	205524.6469	0.0292	0.060	0.0292	0.50
1677:	79	21	58	1	79	78	21	57	1	78	205524.6469	0.0292	0.060	0.0292	0.50
1678:	49	8	42	1	49	49	7	43	1	49	205525.8030	0.0078	0.060	0.0252	0.50
1679:	49	8	41	1	49	49	7	42	1	49	205525.8030	0.0426	0.060	0.0252	0.50
1680:	48	8	40	1	48	48	7	41	1	48	205540.8391	0.0043	0.025	-0.0087	0.50
1681:	48	8	41	1	48	48	7	42	1	48	205540.8391	-0.0218	0.025	-0.0087	0.50
1682:	47	8	39	1	47	47	7	40	1	47	205554.5748	0.0115	0.090	0.0018	0.50
1683:	47	8	40	1	47	47	7	41	1	47	205554.5748	-0.0080	0.090	0.0018	0.50
1684:	46	8	38	1	46	46	7	39	1	46	205567.0291	0.0180	0.060	0.0108	0.50
1685:	46	8	39	1	46	46	7	40	1	46	205567.0291	0.0035	0.060	0.0108	0.50
1686:	79	22	57	1	79	78	22	56	1	78	205570.5054	-0.0698	0.060	-0.0699	0.50
1687:	79	22	58	1	79	78	22	57	1	78	205570.5054	-0.0698	0.060	-0.0699	0.50
1688:	80	2	79	1	80	79	1	78	1	79	205582.6155	0.0449	0.090		
1689:	44	8	36	1	44	44	7	37	1	44	205588.2730	-0.0439	0.025	-0.0478	0.50
1690:	44	8	37	1	44	44	7	38	1	44	205588.2730	-0.0517	0.025	-0.0478	0.50
1691:	43	8	35	1	43	43	7	36	1	43	205597.3595	0.0618	0.060	0.0590	0.50
1692:	43	8	36	1	43	43	7	37	1	43	205597.3595	0.0561	0.060	0.0590	0.50
1693:	42	8	34	1	42	42	7	35	1	42	205605.2240	-0.0188	0.025	-0.0209	0.50
1694:	42	8	35	1	42	42	7	36	1	42	205605.2240	-0.0229	0.025	-0.0209	0.50
1695:	15	8	8	1	15	15	7	9	1	15	205606.2205	-0.0955	0.060	-0.0956	0.50
1696:	15	8	7	1	15	15	7	8	1	15	205606.2205	-0.0955	0.060	-0.0956	0.50
1697:	79	6	74	1	79	78	6	73	1	78	205611.0274	-0.1198	0.100		

1698:	41	8	33	1	41	41	7	34	1	41	205612.2443	0.0341	0.060	0.0327	0.50
1699:	41	8	34	1	41	41	7	35	1	41	205612.2443	0.0311	0.060	0.0327	0.50
1700:	18	8	11	1	18	18	7	12	1	18	205614.4668	-0.0749	0.060	-0.0750	0.50
1701:	18	8	10	1	18	18	7	11	1	18	205614.4668	-0.0749	0.060	-0.0750	0.50
1702:	19	8	11	1	19	19	7	12	1	19	205617.3339	0.0238	0.060	0.0238	0.50
1703:	19	8	12	1	19	19	7	13	1	19	205617.3339	0.0238	0.060	0.0238	0.50
1704:	40	8	32	1	40	40	7	33	1	40	205618.2208	-0.0350	0.025	-0.0361	0.50
1705:	40	8	33	1	40	40	7	34	1	40	205618.2208	-0.0371	0.025	-0.0361	0.50
1706:	79	23	56	1	79	78	23	55	1	78	205619.3551	-0.0262	0.025	-0.0262	0.50
1707:	79	23	57	1	79	78	23	56	1	78	205619.3551	-0.0262	0.025	-0.0262	0.50
1708:	21	8	13	1	21	21	7	14	1	21	205622.8030	0.0666	0.060	0.0667	0.50
1709:	21	8	14	1	21	21	7	15	1	21	205622.8030	0.0666	0.060	0.0667	0.50
1710:	39	8	31	1	39	39	7	32	1	39	205623.4626	0.0279	0.060	0.0272	0.50
1711:	39	8	32	1	39	39	7	33	1	39	205623.4626	0.0264	0.060	0.0272	0.50
1712:	22	8	15	1	22	22	7	16	1	22	205625.3118	-0.0278	0.025	-0.0278	0.50
1713:	22	8	14	1	22	22	7	15	1	22	205625.3118	-0.0278	0.025	-0.0278	0.50
1714:	38	8	30	1	38	38	7	31	1	38	205627.7502	-0.0499	0.060	-0.0657	0.25
1715:	38	8	31	1	38	38	7	32	1	38	205627.7502	-0.0509	0.060	-0.0657	0.25
1716:	23	8	15	1	23	23	7	16	1	23	205627.7502	-0.0808	0.060	-0.0657	0.25
1717:	23	8	16	1	23	23	7	17	1	23	205627.7502	-0.0808	0.060	-0.0657	0.25
1718:	24	8	16	1	24	24	7	17	1	24	205630.2767	0.0966	0.060	0.0967	0.50
1719:	24	8	17	1	24	24	7	18	1	24	205630.2767	0.0966	0.060	0.0967	0.50
1720:	37	8	29	1	37	37	7	30	1	37	205631.4000	-0.0042	0.025	-0.0046	0.50
1721:	37	8	30	1	37	37	7	31	1	37	205631.4000	-0.0049	0.025	-0.0046	0.50
1722:	36	8	28	1	36	36	7	29	1	36	205634.2434	-0.0543	0.060	-0.0662	0.25
1723:	36	8	29	1	36	36	7	30	1	36	205634.2434	-0.0547	0.060	-0.0662	0.25
1724:	26	8	19	1	26	26	7	20	1	26	205634.2434	-0.0779	0.060	-0.0662	0.25
1725:	26	8	18	1	26	26	7	19	1	26	205634.2434	-0.0779	0.060	-0.0662	0.25
1726:	27	8	20	1	27	27	7	21	1	27	205635.9863	-0.0595	0.060	-0.0595	0.50
1727:	27	8	19	1	27	27	7	20	1	27	205635.9863	-0.0595	0.060	-0.0595	0.50
1728:	28	8	21	1	28	28	7	22	1	28	205637.4357	-0.0564	0.070	-0.0564	0.50
1729:	28	8	20	1	28	28	7	21	1	28	205637.4357	-0.0563	0.070	-0.0564	0.50
1730:	34	8	26	1	34	34	7	27	1	34	205638.0703	-0.0780	0.070	-0.0781	0.50
1731:	34	8	27	1	34	34	7	28	1	34	205638.0703	-0.0782	0.070	-0.0781	0.50
1732:	29	8	21	1	29	29	7	22	1	29	205638.5676	-0.0552	0.070	-0.0553	0.50
1733:	29	8	22	1	29	29	7	23	1	29	205638.5676	-0.0553	0.070	-0.0553	0.50
1734:	33	8	25	1	33	33	7	26	1	33	205639.1077	-0.0923	0.070	-0.0924	0.50
1735:	33	8	26	1	33	33	7	27	1	33	205639.1077	-0.0924	0.070	-0.0924	0.50
1736:	32	8	24	1	32	32	7	25	1	32	205639.6656	-0.0644	0.070	-0.0907	0.25
1737:	32	8	25	1	32	32	7	26	1	32	205639.6656	-0.0645	0.070	-0.0907	0.25
1738:	31	8	23	1	31	31	7	24	1	31	205639.6656	-0.1168	0.070	-0.0907	0.25
1739:	31	8	24	1	31	31	7	25	1	31	205639.6656	-0.1169	0.070	-0.0907	0.25
1740:	79	6	73	1	79	78	6	72	1	78	205669.6289	0.0661	0.060		
1741:	79	24	55	1	79	78	24	54	1	78	205670.9705	0.0347	0.060	0.0347	0.50
1742:	79	24	56	1	79	78	24	55	1	78	205670.9705	0.0347	0.060	0.0347	0.50
1743:	79	5	75	1	79	78	5	74	1	78	205709.0083	0.0143	0.025		
1744:	79	25	54	1	79	78	25	53	1	78	205725.2112	0.0554	0.060	0.0554	0.50
1745:	79	25	55	1	79	78	25	54	1	78	205725.2112	0.0554	0.060	0.0554	0.50
1746:	79	26	53	1	79	78	26	52	1	78	205781.9019	-0.0696	0.060	-0.0696	0.50
1747:	79	26	54	1	79	78	26	53	1	78	205781.9019	-0.0696	0.060	-0.0696	0.50
1748:	79	27	52	1	79	78	27	51	1	78	205841.2673	-0.0558	0.060	-0.0559	0.50
1749:	79	27	53	1	79	78	27	52	1	78	205841.2673	-0.0558	0.060	-0.0559	0.50
1750:	79	28	51	1	79	78	28	50	1	78	205903.1486	-0.0097	0.025	-0.0097	0.50
1751:	79	28	52	1	79	78	28	51	1	78	205903.1486	-0.0097	0.025	-0.0097	0.50
1752:	79	30	49	1	79	78	30	48	1	78	206034.0714	-0.0261	0.060	-0.0262	0.50
1753:	79	30	50	1	79	78	30	49	1	78	206034.0714	-0.0261	0.060	-0.0262	0.50
1754:	79	5	74	1	79	78	5	73	1	78	206230.7058	-0.0043	0.025		
1755:	80	3	78	1	80	79	3	77	1	79	206737.7809	-0.0136	0.025		
1756:	79	3	76	1	79	78	3	75	1	78	207119.8994	-0.0265	0.060		
1757:	80	2	78	1	80	79	2	77	1	79	207359.3582	0.0824	0.060		
1758:	81	2	80	1	81	80	2	79	1	80	207459.7671	-0.0124	0.025		
1759:	81	1	80	1	81	80	1	79	1	80	207517.4733	0.1142	0.060		
1760:	80	12	68	1	80	79	12	67	1	79	207872.7704	0.0278	0.060	0.0278	0.50
1761:	80	12	69	1	80	79	12	68	1	79	207872.7704	0.0278	0.060	0.0278	0.50
1762:	80	11	69	1	80	79	11	68	1	79	207875.5217	0.0180	0.025	0.0180	0.50
1763:	80	11	70	1	80	79	11	69	1	79	207875.5217	0.0180	0.025	0.0180	0.50
1764:	80	13	67	1	80	79	13	66	1	79	207879.1959	0.0430	0.060	0.0431	0.50
1765:	80	13	68	1	80	79	13	67	1	79	207879.1959	0.0430	0.060	0.0431	0.50
1766:	80	14	66	1	80	79	14	65	1	79	207892.8163	-0.0047	0.025	-0.0048	0.50
1767:	80	14	67	1	80	79	14	66	1	79	207892.8163	-0.0047	0.025	-0.0048	0.50
1768:	80	15	65	1	80	79	15	64	1	79	207912.5045	0.0404	0.060	0.0405	0.50
1769:	80	15	66	1	80	79	15	65	1	79	207912.5045	0.0404	0.060	0.0405	0.50
1770:	80	9	72	1	80	79	9	71	1	79	207922.3098	0.0466	0.060	0.0426	0.50
1771:	80	9	71	1	80	79	9	70	1	79	207922.3098	0.0385	0.060	0.0426	0.50
1772:	80	4	77	1	80	79	4	76	1	79	207941.8150	0.0101	0.025		
1773:	80	17	63	1	80	79	17	62	1	79	207966.3595	-0.0149	0.025	-0.0150	0.50
1774:	80	17	64	1	80	79	17	63	1	79	207966.3595	-0.0149	0.025	-0.0150	0.50
1775:	80	8	73	1	80	79	8	72	1	79	207979.4616	0.0904	0.025	-0.0219	0.50
1776:	80	8	72	1	80	79	8	71	1	79	207979.4616	-0.1342	0.025	-0.0219	0.50
1777:	80	18	62	1	80	79	18	61	1	79	207999.5070	-0.0405	0.060	-0.0406	0.50
1778:	80	18	63	1	80	79	18	62	1	79	207999.5070	-0.0405	0.060	-0.0406	0.50
1779:	82	1	82	1	82	81	1	81	1	81	208026.9929	-0.0677	0.060		
1780:	82	0	82	1	82	81	0	81	1	81	208028.7604	0.0141	0.025		

1781:	81	2	80	1	81	80	1	79	1	80	208040.2350	-0.0117	0.040			
1782:	82	1	82	1	82	81	0	81	1	81	208041.8837	0.0617	0.060			
1783:	80	7	74	1	80	79	7	73	1	79	208075.7060	-0.0158	0.025			
1784:	80	20	60	1	80	79	20	59	1	79	208076.6044	0.0292	0.060	0.0292	0.50	
1785:	80	20	61	1	80	79	20	60	1	79	208076.6044	0.0292	0.060	0.0292	0.50	
1786:	80	7	73	1	80	79	7	72	1	79	208080.3800	0.0191	0.025			
1787:	80	21	59	1	80	79	21	58	1	79	208119.9197	-0.0467	0.060	-0.0467	0.50	
1788:	80	21	60	1	80	79	21	59	1	79	208119.9197	-0.0467	0.060	-0.0467	0.50	
1789:	80	22	58	1	80	79	22	57	1	79	208166.2790	-0.1039	0.060	-0.1039	0.50	
1790:	80	22	59	1	80	79	22	58	1	79	208166.2790	-0.1039	0.060	-0.1039	0.50	
1791:	80	5	76	1	80	79	5	75	1	79	208312.0477	0.1130	0.060			
1792:	80	26	54	1	80	79	26	53	1	79	208380.2174	0.1399	0.060	0.1399	0.50	
1793:	80	26	55	1	80	79	26	54	1	79	208380.2174	0.1399	0.060	0.1399	0.50	
1794:	83	2	81	1	83	82	3	80	1	82	208381.3991	-0.0436	0.090			
1795:	43	4	39	1	43	42	3	40	1	42	208406.9943	0.0473	0.040			
1796:	80	28	52	1	80	79	28	51	1	79	208502.6017	-0.0532	0.060	-0.0532	0.50	
1797:	80	28	53	1	80	79	28	52	1	79	208502.6017	-0.0532	0.060	-0.0532	0.50	
1798:	82	1	81	1	82	81	2	80	1	81	209509.8842	0.0390	0.090			
1799:	80	3	77	1	80	79	3	76	1	79	209677.5402	0.0116	0.025			
1800:	80	2	79	1	81	80	2	78	1	80	209856.5993	-0.0170	0.025			
1801:	82	2	81	1	82	81	2	80	1	81	209980.6059	-0.0247	0.025			
1802:	80	4	76	1	80	79	4	75	1	79	210004.8254	-0.0205	0.025			
1803:	82	1	81	1	82	81	1	80	1	81	210032.7347	0.0018	0.025			
1804:	81	12	69	1	81	80	12	68	1	80	210467.5014	0.0074	0.025	0.0074	0.50	
1805:	81	12	70	1	81	80	12	69	1	80	210467.5014	0.0074	0.025	0.0074	0.50	
1806:	81	11	71	1	81	80	11	70	1	80	210471.0428	-0.0122	0.025	-0.0122	0.50	
1807:	81	11	70	1	81	80	11	69	1	80	210471.0428	-0.0122	0.025	-0.0122	0.50	
1808:	81	13	68	1	81	80	13	67	1	80	210473.3726	-0.0192	0.025	-0.0193	0.50	
1809:	81	13	69	1	81	80	13	68	1	80	210473.3726	-0.0192	0.025	-0.0193	0.50	
1810:	81	14	67	1	81	80	14	66	1	80	210486.9597	0.1982	0.025	0.0003	0.25	
1811:	81	14	68	1	81	80	14	67	1	80	210486.9597	0.1982	0.025	0.0003	0.25	
1812:	81	10	72	1	81	80	10	71	1	80	210486.9597	-0.1975	0.025	0.0003	0.25	
1813:	81	10	71	1	81	80	10	70	1	80	210486.9597	-0.1978	0.025	0.0003	0.25	
1814:	81	15	66	1	81	80	15	65	1	80	210506.2761	0.0055	0.025	0.0056	0.50	
1815:	81	15	67	1	81	80	15	66	1	80	210506.2761	0.0055	0.025	0.0056	0.50	
1816:	81	4	78	1	81	80	4	77	1	80	210512.6344	-0.0183	0.025			
1817:	81	9	73	1	81	80	9	72	1	80	210520.8137	-0.0055	0.025	-0.0105	0.50	
1818:	81	9	72	1	81	80	9	71	1	80	210520.8137	-0.0154	0.025	-0.0105	0.50	
1819:	81	16	65	1	81	80	16	64	1	80	210530.9222	-0.0743	0.060	-0.0743	0.50	
1820:	81	16	66	1	81	80	16	65	1	80	210530.9222	-0.0743	0.060	-0.0743	0.50	
1821:	83	1	83	1	83	82	1	82	1	82	210546.3304	-0.0490	0.060			
1822:	83	0	83	1	83	82	0	82	1	82	210547.9195	0.0447	0.060			
1823:	83	1	83	1	83	82	0	82	1	82	210559.5598	0.1046	0.060			
1824:	81	8	74	1	81	80	8	73	1	80	210580.7506	0.0919	0.060	-0.0428	0.50	
1825:	81	8	73	1	81	80	8	72	1	80	210580.7506	-0.1774	0.060	-0.0428	0.50	
1826:	81	7	75	1	81	80	7	74	1	80	210681.0633	-0.0135	0.025			
1827:	81	7	74	1	81	80	7	73	1	80	210686.4526	-0.0424	0.060			
1828:	81	23	58	1	81	80	23	57	1	80	210811.7440	-0.0266	0.025	-0.0266	0.50	
1829:	81	23	59	1	81	80	23	58	1	80	210811.7440	-0.0266	0.025	-0.0266	0.50	
1830:	81	6	76	1	81	80	6	75	1	80	210829.5816	-0.1201	0.060			
1831:	81	24	57	1	81	80	24	56	1	80	210864.3778	-0.0524	0.060	-0.0524	0.50	
1832:	81	24	58	1	81	80	24	57	1	80	210864.3778	-0.0524	0.060	-0.0524	0.50	
1833:	81	5	77	1	81	80	5	76	1	80	210913.9599	-0.0066	0.025			
1834:	81	25	56	1	81	80	25	55	1	80	210919.8299	-0.0118	0.025	-0.0119	0.50	
1835:	81	25	57	1	81	80	25	56	1	80	210919.8299	-0.0118	0.025	-0.0119	0.50	
1836:	81	27	54	1	81	80	27	53	1	80	211038.6302	-0.0030	0.025	-0.0031	0.50	
1837:	81	27	55	1	81	80	27	54	1	80	211038.6302	-0.0030	0.025	-0.0031	0.50	
1838:	81	33	48	1	81	80	33	47	1	80	211454.9650	-0.0124	0.025	-0.0125	0.50	
1839:	81	33	49	1	81	80	33	48	1	80	211454.9650	-0.0124	0.025	-0.0125	0.50	
1840:	81	5	76	1	81	80	5	75	1	80	211540.0384	-0.0424	0.060			
1841:	34	5	29	1	34	33	4	30	1	33	211629.4472	0.0476	0.040			
1842:	81	37	44	1	81	80	37	43	1	80	211779.2373	-0.0656	0.060	-0.0657	0.50	
1843:	81	37	45	1	81	80	37	44	1	80	211779.2373	-0.0656	0.060	-0.0657	0.50	
1844:	82	3	80	1	82	81	3	79	1	81	211807.8895	0.0411	0.060			
1845:	13	7	6	1	13	12	6	7	1	12	212046.9884	0.1360	0.090	0.1360	0.50	
1846:	13	7	7	1	13	12	6	6	1	12	212046.9884	0.1360	0.090	0.1360	0.50	
1847:	83	1	82	1	83	82	2	81	1	82	212077.4669	0.0534	0.090			
1848:	81	3	78	1	81	80	3	77	1	80	212230.0288	0.0940	0.060			
1849:	82	2	80	1	82	81	2	79	1	81	212353.9934	0.0656	0.060			
1850:	83	2	82	1	83	82	2	81	1	82	212501.1511	0.0654	0.060			
1851:	83	1	82	1	83	82	1	81	1	82	212548.2468	0.0478	0.060			
1852:	81	4	77	1	81	80	4	76	1	80	212657.7816	-0.0689	0.060			
1853:	83	2	82	1	83	82	1	81	1	82	212971.8762	0.0051	0.040			
1854:	84	0	84	1	84	83	1	83	1	83	213055.2434	0.0090	0.025			
1855:	82	12	70	1	82	81	12	69	1	81	213062.1123	0.0052	0.025	0.0052	0.50	
1856:	82	12	71	1	82	81	12	70	1	81	213062.1123	0.0052	0.025	0.0052	0.50	
1857:	84	1	84	1	84	83	1	83	1	83	213065.5687	0.0800	0.060			
1858:	82	13	69	1	82	81	13	68	1	81	213067.4810	0.0100	0.025	0.0101	0.50	
1859:	82	13	70	1	82	81	13	69	1	81	213067.4810	0.0100	0.025	0.0101	0.50	
1860:	84	1	84	1	84	83	0	83	1	83	213077.0065	-0.0625	0.060			
1861:	82	14	68	1	82	81	14	67	1	81	213080.5100	-0.0147	0.025	-0.0147	0.50	
1862:	82	14	69	1	82	81	14	68	1	81	213080.5100	-0.0147	0.025	-0.0147	0.50	
1863:	82	4	79	1	82	81	4	78	1	81	213081.5423	-0.0973	0.060			

1864:	79	3	77	1	79	78	2	76	1	78	213082.4393	0.0784	0.090		
1865:	82	10	73	1	82	81	10	72	1	81	213083.8254	-0.0150	0.025	-0.0153	0.50
1866:	82	10	72	1	82	81	10	71	1	81	213083.8254	-0.0154	0.025	-0.0153	0.50
1867:	82	15	67	1	82	81	15	66	1	81	213099.8274	-0.0587	0.060	-0.0588	0.50
1868:	82	15	68	1	82	81	15	67	1	81	213099.8274	-0.0587	0.060	-0.0588	0.50
1869:	82	9	74	1	82	81	9	73	1	81	213119.3917	0.0343	0.030	0.0283	0.50
1870:	82	9	73	1	82	81	9	72	1	81	213119.3917	0.0221	0.030	0.0283	0.50
1871:	48	4	45	1	48	47	3	44	1	47	213138.3714	-0.0090	0.040		
1872:	82	17	65	1	82	81	17	64	1	81	213154.0389	0.0594	0.060	0.0594	0.50
1873:	82	17	66	1	82	81	17	65	1	81	213154.0389	0.0594	0.060	0.0594	0.50
1874:	82	8	75	1	82	81	8	74	1	81	213182.2526	0.2459	0.060	0.0848	0.50
1875:	82	8	74	1	82	81	8	73	1	81	213182.2526	-0.0763	0.060	0.0848	0.50
1876:	82	18	64	1	82	81	18	63	1	81	213187.4794	-0.0545	0.060	-0.0545	0.50
1877:	82	18	65	1	82	81	18	64	1	81	213187.4794	-0.0545	0.060	-0.0545	0.50
1878:	82	19	63	1	82	81	19	62	1	81	213224.9010	0.0093	0.025	0.0094	0.50
1879:	82	19	64	1	82	81	19	63	1	81	213224.9010	0.0093	0.025	0.0094	0.50
1880:	24	6	19	1	24	23	5	18	1	23	213258.5678	0.0073	0.090	-0.0080	0.50
1881:	24	6	18	1	24	23	5	19	1	23	213258.5678	-0.0232	0.090	-0.0080	0.50
1882:	82	20	62	1	82	81	20	61	1	81	213265.8127	0.0407	0.060	0.0407	0.50
1883:	82	20	63	1	82	81	20	62	1	81	213265.8127	0.0407	0.060	0.0407	0.50
1884:	82	7	76	1	82	81	7	75	1	81	213286.6059	0.0262	0.025		
1885:	82	7	75	1	82	81	7	74	1	81	213292.7926	-0.1013	0.060		
1886:	82	21	61	1	82	81	21	60	1	81	213309.9302	-0.0277	0.025	-0.0277	0.50
1887:	82	21	62	1	82	81	21	61	1	81	213309.9302	-0.0277	0.025	-0.0277	0.50
1888:	82	22	60	1	82	81	22	59	1	81	213357.2263	-0.0525	0.060	-0.0525	0.50
1889:	82	22	61	1	82	81	22	60	1	81	213357.2263	-0.0525	0.060	-0.0525	0.50
1890:	82	23	59	1	82	81	23	58	1	81	213407.6248	0.0267	0.060	0.0267	0.50
1891:	82	23	60	1	82	81	23	59	1	81	213407.6248	0.0267	0.060	0.0267	0.50
1892:	82	6	77	1	82	81	6	76	1	81	213439.0825	0.0949	0.060		
1893:	82	24	58	1	82	81	24	57	1	81	213460.8410	0.0361	0.060	0.0362	0.50
1894:	82	24	59	1	82	81	24	58	1	81	213460.8410	0.0361	0.060	0.0362	0.50
1895:	82	5	78	1	82	81	5	77	1	81	213515.0245	-0.0010	0.025		
1896:	82	25	57	1	82	81	25	56	1	81	213516.7671	-0.0401	0.060	-0.0402	0.50
1897:	82	25	58	1	82	81	25	57	1	81	213516.7671	-0.0401	0.060	-0.0402	0.50
1898:	82	6	76	1	82	81	6	75	1	81	213524.5237	0.1033	0.060		
1899:	82	26	56	1	82	81	26	55	1	81	213575.4816	-0.0467	0.060	-0.0468	0.50
1900:	82	26	57	1	82	81	26	56	1	81	213575.4816	-0.0467	0.060	-0.0468	0.50
1901:	82	27	55	1	82	81	27	54	1	81	213636.9803	0.0781	0.060	0.0781	0.50
1902:	82	27	56	1	82	81	27	55	1	81	213636.9803	0.0781	0.060	0.0781	0.50
1903:	82	28	54	1	82	81	28	53	1	81	213700.8593	-0.0120	0.025	-0.0120	0.50
1904:	82	28	55	1	82	81	28	54	1	81	213700.8593	-0.0120	0.025	-0.0120	0.50
1905:	82	29	53	1	82	81	29	52	1	81	213767.4787	0.0938	0.060	0.0938	0.50
1906:	82	29	54	1	82	81	29	53	1	81	213767.4787	0.0938	0.060	0.0938	0.50
1907:	82	30	52	1	82	81	30	51	1	81	213836.4704	0.0734	0.060	0.0734	0.50
1908:	82	30	53	1	82	81	30	52	1	81	213836.4704	0.0734	0.060	0.0734	0.50
1909:	82	31	51	1	82	81	31	50	1	81	213907.8655	0.0000	0.025	0.0000	0.50
1910:	82	31	52	1	82	81	31	51	1	81	213907.8655	0.0000	0.025	0.0000	0.50
1911:	35	5	31	1	35	34	4	30	1	34	214135.5837	0.0805	0.040		
1912:	82	34	48	1	82	81	34	47	1	81	214136.5004	-0.1231	0.060	-0.1231	0.50
1913:	82	34	49	1	82	81	34	48	1	81	214136.5004	-0.1231	0.060	-0.1231	0.50
1914:	83	3	81	1	83	82	3	80	1	82	214340.9287	-0.0560	0.060		
1915:	85	2	83	1	85	84	3	82	1	84	214363.6347	-0.0083	0.040		
1916:	82	3	79	1	82	81	3	78	1	81	214777.1305	-0.0410	0.060		
1917:	83	2	81	1	83	82	2	80	1	82	214851.3125	-0.0466	0.060		
1918:	84	2	83	1	84	83	2	82	1	83	215021.1265	-0.0325	0.060		
1919:	84	1	83	1	84	83	1	82	1	83	215063.7171	-0.0161	0.025		
1920:	82	4	78	1	82	81	4	77	1	81	215307.4382	-0.0342	0.060		
1921:	85	0	85	1	85	84	1	84	1	84	215575.3197	0.0112	0.025		
1922:	85	1	85	1	85	84	1	84	1	84	215584.3231	-0.0637	0.060		
1923:	85	0	85	1	85	84	0	84	1	84	215585.5520	-0.0106	0.025		
1924:	85	1	85	1	85	84	0	84	1	84	215594.6037	-0.0373	0.025		
1925:	83	4	80	1	83	82	4	79	1	82	215648.7137	-0.0399	0.060		
1926:	83	12	71	1	83	82	12	70	1	82	215656.5534	-0.0266	0.025	-0.0267	0.50
1927:	83	12	72	1	83	82	12	71	1	82	215656.5534	-0.0266	0.025	-0.0267	0.50
1928:	83	13	71	1	83	82	13	70	1	82	215661.3603	-0.0275	0.025	-0.0276	0.50
1929:	83	13	70	1	83	82	13	69	1	82	215661.3603	-0.0275	0.025	-0.0276	0.50
1930:	83	11	72	1	83	82	11	71	1	82	215661.8269	0.0007	0.025	0.0007	0.50
1931:	83	11	73	1	83	82	11	72	1	82	215661.8269	0.0007	0.025	0.0007	0.50
1932:	83	14	69	1	83	82	14	68	1	82	215674.0625	-0.0461	0.060	-0.0462	0.50
1933:	83	14	70	1	83	82	14	69	1	82	215674.0625	-0.0461	0.060	-0.0462	0.50
1934:	83	10	74	1	83	82	10	73	1	82	215680.4464	-0.0045	0.025	-0.0048	0.50
1935:	83	10	73	1	83	82	10	72	1	82	215680.4464	-0.0050	0.025	-0.0048	0.50
1936:	83	15	68	1	83	82	15	67	1	82	215693.3210	0.0124	0.025	0.0125	0.50
1937:	83	15	69	1	83	82	15	68	1	82	215693.3210	0.0124	0.025	0.0125	0.50
1938:	83	9	75	1	83	82	9	74	1	82	215717.9340	0.0564	0.025	-0.0060	0.25
1939:	83	9	74	1	83	82	9	73	1	82	215717.9340	0.0415	0.025	-0.0060	0.25
1940:	83	16	67	1	83	82	16	66	1	82	215717.9340	-0.0610	0.025	-0.0060	0.25
1941:	83	16	68	1	83	82	16	67	1	82	215717.9340	-0.0610	0.025	-0.0060	0.25
1942:	83	17	66	1	83	82	17	65	1	82	215747.4917	0.0296	0.060	0.0296	0.50
1943:	83	17	67	1	83	82	17	66	1	82	215747.4917	0.0296	0.060	0.0296	0.50
1944:	83	18	65	1	83	82	18	64	1	82	215781.1864	-0.0087	0.025	-0.0088	0.50
1945:	83	18	66	1	83	82	18	65	1	82	215781.1864	-0.0087	0.025	-0.0088	0.50
1946:	83	8	76	1	83	82	8	75	1	82	215783.4401	0.0239	0.025		

1947:	83	8	75	1	83	82	8	74	1	82	215783.8258	0.0249	0.025		
1948:	83	19	64	1	83	82	19	63	1	82	215818.7415	-0.0697	0.060	-0.0697	0.50
1949:	83	19	65	1	83	82	19	64	1	82	215818.7415	-0.0697	0.060	-0.0697	0.50
1950:	83	20	63	1	83	82	20	62	1	82	215860.0005	-0.0189	0.025	-0.0189	0.50
1951:	83	20	64	1	83	82	20	63	1	82	215860.0005	-0.0189	0.025	-0.0189	0.50
1952:	83	7	77	1	83	82	7	76	1	82	215892.2236	-0.0048	0.025		
1953:	83	7	76	1	83	82	7	75	1	82	215899.5554	-0.0157	0.025		
1954:	83	21	62	1	83	82	21	61	1	82	215904.6513	0.0563	0.060	0.0563	0.50
1955:	83	21	63	1	83	82	21	62	1	82	215904.6513	0.0563	0.060	0.0563	0.50
1956:	83	22	61	1	83	82	22	60	1	82	215952.3448	-0.0163	0.025	-0.0164	0.50
1957:	83	22	62	1	83	82	22	61	1	82	215952.3448	-0.0163	0.025	-0.0164	0.50
1958:	83	23	60	1	83	82	23	59	1	82	216003.2517	0.0749	0.060	0.0749	0.50
1959:	83	23	61	1	83	82	23	60	1	82	216003.2517	0.0749	0.060	0.0749	0.50
1960:	83	6	78	1	83	82	6	77	1	82	216048.2434	0.0024	0.025		
1961:	83	24	59	1	83	82	24	58	1	82	216056.9812	0.0542	0.060	0.0542	0.50
1962:	83	24	60	1	83	82	24	59	1	82	216056.9812	0.0542	0.060	0.0542	0.50
1963:	83	5	79	1	83	82	5	78	1	82	216115.0917	0.0444	0.060		
1964:	83	26	57	1	83	82	26	56	1	82	216172.9309	0.0636	0.060	0.0637	0.50
1965:	83	26	58	1	83	82	26	57	1	82	216172.9309	0.0636	0.060	0.0637	0.50
1966:	83	27	56	1	83	82	27	55	1	82	216234.8850	-0.0245	0.025	-0.0246	0.50
1967:	83	27	57	1	83	82	27	56	1	82	216234.8850	-0.0245	0.025	-0.0246	0.50
1968:	83	28	55	1	83	82	28	54	1	82	216299.6949	0.1100	0.060	0.1100	0.50
1969:	83	28	56	1	83	82	28	55	1	82	216299.6949	0.1100	0.060	0.1100	0.50
1970:	83	29	54	1	83	82	29	53	1	82	216366.8323	-0.0085	0.025	-0.0085	0.50
1971:	83	29	55	1	83	82	29	54	1	82	216366.8323	-0.0085	0.025	-0.0085	0.50
1972:	83	30	53	1	83	82	30	52	1	82	216436.7093	0.0791	0.060	0.0791	0.50
1973:	83	30	54	1	83	82	30	53	1	82	216436.7093	0.0791	0.060	0.0791	0.50
1974:	83	34	49	1	83	82	34	48	1	82	216740.3432	0.0498	0.060	0.0498	0.50
1975:	83	34	50	1	83	82	34	49	1	82	216740.3432	0.0498	0.060	0.0498	0.50
1976:	83	5	78	1	83	82	5	77	1	82	216858.9801	0.0175	0.025		
1977:	83	3	80	1	83	82	3	79	1	82	217319.3518	0.0616	0.060		
1978:	84	2	82	1	84	83	2	81	1	83	217349.0494	0.0126	0.025		
1979:	85	2	84	1	85	84	2	83	1	84	217540.9530	0.0887	0.060		
1980:	85	1	84	1	85	84	1	83	1	84	217579.2749	-0.0374	0.060		
1981:	83	4	79	1	83	82	4	78	1	82	217953.5011	0.0307	0.060		
1982:	86	0	86	1	86	85	1	85	1	85	218095.1331	0.0965	0.060		
1983:	86	1	86	1	86	85	1	85	1	85	218103.0630	-0.0095	0.025		
1984:	86	0	86	1	86	85	0	85	1	85	218104.0079	-0.1070	0.060		
1985:	86	1	86	1	86	85	0	85	1	85	218112.1448	-0.0061	0.025		
1986:	84	4	81	1	84	83	4	80	1	83	218213.9997	0.0135	0.025		
1987:	84	12	72	1	84	83	12	71	1	83	218250.9320	0.0208	0.025	0.0208	0.50
1988:	84	12	73	1	84	83	12	72	1	83	218250.9320	0.0208	0.025	0.0208	0.50
1989:	84	13	72	1	84	83	13	71	1	83	218255.1425	0.0017	0.025	0.0018	0.50
1990:	84	13	71	1	84	83	13	70	1	83	218255.1425	0.0017	0.025	0.0018	0.50
1991:	84	11	73	1	84	83	11	72	1	83	218257.0005	-0.0426	0.060	-0.0426	0.50
1992:	84	11	74	1	84	83	11	73	1	83	218257.0005	-0.0426	0.060	-0.0426	0.50
1993:	84	14	70	1	84	83	14	69	1	83	218267.5228	0.0117	0.025	0.0118	0.50
1994:	84	14	71	1	84	83	14	70	1	83	218267.5228	0.0117	0.025	0.0118	0.50
1995:	84	10	75	1	84	83	10	74	1	83	218276.9999	0.0119	0.025	0.0117	0.50
1996:	84	10	74	1	84	83	10	73	1	83	218276.9999	0.0114	0.025	0.0117	0.50
1997:	84	15	69	1	84	83	15	68	1	83	218286.6075	0.0722	0.060	0.0722	0.50
1998:	84	15	70	1	84	83	15	69	1	83	218286.6075	0.0722	0.060	0.0722	0.50
1999:	84	16	68	1	84	83	16	67	1	83	218311.2452	0.0604	0.060	0.0604	0.50
2000:	84	16	69	1	84	83	16	68	1	83	218311.2452	0.0604	0.060	0.0604	0.50
2001:	84	9	76	1	84	83	9	75	1	83	218316.3884	0.0085	0.025	-0.0005	0.50
2002:	84	9	75	1	84	83	9	74	1	83	218316.3884	-0.0096	0.025	-0.0005	0.50
2003:	84	17	67	1	84	83	17	66	1	83	218340.7002	-0.0277	0.025	-0.0277	0.50
2004:	84	17	68	1	84	83	17	67	1	83	218340.7002	-0.0277	0.025	-0.0277	0.50
2005:	84	8	77	1	84	83	8	76	1	83	218384.8146	-0.0735	0.060		
2006:	84	8	76	1	84	83	8	75	1	83	218385.3847	0.0383	0.060		
2007:	84	19	65	1	84	83	19	64	1	83	218412.5247	0.0256	0.060	0.0256	0.50
2008:	84	19	66	1	84	83	19	65	1	83	218412.5247	0.0256	0.060	0.0256	0.50
2009:	84	20	64	1	84	83	20	63	1	83	218453.9829	-0.0462	0.060	-0.0462	0.50
2010:	84	20	65	1	84	83	20	64	1	83	218453.9829	-0.0462	0.060	-0.0462	0.50
2011:	84	7	78	1	84	83	7	77	1	83	218498.0408	0.0200	0.025		
2012:	84	21	64	1	84	83	21	63	1	83	218499.0149	0.0258	0.060	0.0259	0.50
2013:	84	21	63	1	84	83	21	62	1	83	218499.0149	0.0258	0.060	0.0259	0.50
2014:	84	7	77	1	84	83	7	76	1	83	218506.5810	0.0395	0.060		
2015:	84	22	62	1	84	83	22	61	1	83	218547.1895	-0.0064	0.025	-0.0065	0.50
2016:	84	22	63	1	84	83	22	62	1	83	218547.1895	-0.0064	0.025	-0.0065	0.50
2017:	84	23	61	1	84	83	23	60	1	83	218598.5259	0.0221	0.025	0.0221	0.50
2018:	84	23	62	1	84	83	23	61	1	83	218598.5259	0.0221	0.025	0.0221	0.50
2019:	84	24	60	1	84	83	24	59	1	83	218652.8338	0.0400	0.060	0.0401	0.50
2020:	84	24	61	1	84	83	24	60	1	83	218652.8338	0.0400	0.060	0.0401	0.50
2021:	84	6	79	1	84	83	6	78	1	83	218657.4475	0.0169	0.025		
2022:	84	25	59	1	84	83	25	58	1	83	218710.0219	0.0539	0.060	0.0539	0.50
2023:	84	25	60	1	84	83	25	59	1	83	218710.0219	0.0539	0.060	0.0539	0.50
2024:	84	5	80	1	84	83	5	79	1	83	218713.9594	-0.0088	0.025		
2025:	84	6	78	1	84	83	6	77	1	83	218766.3731	-0.0007	0.025		
2026:	84	26	58	1	84	83	26	57	1	83	218769.8937	-0.0505	0.060	-0.0505	0.50
2027:	84	26	59	1	84	83	26	58	1	83	218769.8937	-0.0505	0.060	-0.0505	0.50
2028:	84	28	56	1	84	83	28	55	1	83	218898.1074	0.0761	0.060	0.0762	0.50
2029:	84	28	57	1	84	83	28	56	1	83	218898.1074	0.0761	0.060	0.0762	0.50

2030:	84	29	55	1	84	83	29	54	1	83	218965.9671	-0.0599	0.060	-0.0600	0.50
2031:	84	29	56	1	84	83	29	55	1	83	218965.9671	-0.0599	0.060	-0.0600	0.50
2032:	84	30	54	1	84	83	30	53	1	83	219036.6446	0.0532	0.060	0.0532	0.50
2033:	84	30	55	1	84	83	30	54	1	83	219036.6446	0.0532	0.060	0.0532	0.50
2034:	84	32	52	1	84	83	32	51	1	83	219185.3183	0.0680	0.060	0.0680	0.50
2035:	84	32	53	1	84	83	32	52	1	83	219185.3183	0.0680	0.060	0.0680	0.50
2036:	37	5	32	1	37	36	4	33	1	36	219331.1389	0.0083	0.090		
2037:	85	3	83	1	85	84	3	82	1	84	219403.6538	-0.0302	0.060		
2038:	84	35	49	1	84	83	35	48	1	83	219426.5450	0.0742	0.060	0.0743	0.50
2039:	84	35	50	1	84	83	35	49	1	83	219426.5450	0.0742	0.060	0.0743	0.50
2040:	84	5	79	1	84	83	5	78	1	83	219521.6641	-0.1224	0.060		
2041:	86	1	85	1	86	85	2	84	1	85	219752.3095	0.0449	0.090		
2042:	85	2	83	1	85	84	2	82	1	84	219847.0458	-0.0185	0.025		
2043:	16	7	9	1	16	15	6	10	1	15	219849.2037	0.0976	0.040	0.0977	0.50
2044:	16	7	10	1	16	15	6	9	1	15	219849.2037	0.0976	0.040	0.0977	0.50
2045:	84	3	81	1	84	83	3	80	1	83	219856.3568	-0.0108	0.025		
2046:	52	4	49	1	52	51	3	48	1	51	220002.4140	-0.1112	0.090		
2047:	86	2	85	1	86	85	2	84	1	85	220060.1471	-0.0665	0.060		
2048:	86	1	85	1	86	85	1	84	1	85	220094.9290	0.0145	0.025		
2049:	87	2	85	1	87	86	3	84	1	86	220216.6829	0.0462	0.090		
2050:	86	2	85	1	86	85	1	84	1	85	220402.8104	-0.0530	0.090		
2051:	84	4	80	1	84	83	4	79	1	83	220595.6485	0.0262	0.025		
2052:	87	1	87	1	87	86	1	86	1	86	220621.4686	-0.0755	0.060		
2053:	87	0	87	1	87	86	0	86	1	86	220622.4338	-0.0342	0.025		
2054:	87	1	87	1	87	86	0	86	1	86	220629.4525	-0.1276	0.060		
2055:	85	4	82	1	85	84	4	81	1	84	220777.3425	0.0105	0.025		
2056:	85	12	73	1	85	84	12	72	1	84	220845.1401	0.0415	0.060	0.0415	0.50
2057:	85	12	74	1	85	84	12	73	1	84	220845.1401	0.0415	0.060	0.0415	0.50
2058:	85	13	73	1	85	84	13	72	1	84	220848.7359	0.0085	0.025	0.0085	0.50
2059:	85	13	72	1	85	84	13	71	1	84	220848.7359	0.0085	0.025	0.0085	0.50
2060:	85	11	74	1	85	84	11	73	1	84	220852.1327	-0.0131	0.025	-0.0131	0.50
2061:	85	11	75	1	85	84	11	74	1	84	220852.1327	-0.0130	0.025	-0.0131	0.50
2062:	85	14	71	1	85	84	14	70	1	84	220860.7749	0.0453	0.060	0.0454	0.50
2063:	85	14	72	1	85	84	14	71	1	84	220860.7749	0.0453	0.060	0.0454	0.50
2064:	85	10	76	1	85	84	10	75	1	84	220873.4394	-0.0109	0.025	-0.0113	0.50
2065:	85	10	75	1	85	84	10	74	1	84	220873.4394	-0.0116	0.025	-0.0113	0.50
2066:	85	15	70	1	85	84	15	69	1	84	220879.5904	0.0264	0.060	0.0265	0.50
2067:	85	15	71	1	85	84	15	70	1	84	220879.5904	0.0264	0.060	0.0265	0.50
2068:	85	9	77	1	85	84	9	76	1	84	220914.8713	0.0071	0.025	-0.0039	0.50
2069:	85	9	76	1	85	84	9	75	1	84	220914.8713	-0.0149	0.025	-0.0039	0.50
2070:	85	17	68	1	85	84	17	67	1	84	220933.7039	-0.0705	0.060	-0.0705	0.50
2071:	85	17	69	1	85	84	17	68	1	84	220933.7039	-0.0705	0.060	-0.0705	0.50
2072:	85	18	67	1	85	84	18	66	1	84	220967.8236	-0.0169	0.025	-0.0169	0.50
2073:	85	18	68	1	85	84	18	67	1	84	220967.8236	-0.0169	0.025	-0.0169	0.50
2074:	85	8	78	1	85	84	8	77	1	84	220986.4285	0.0047	0.025		
2075:	85	8	77	1	85	84	8	76	1	84	220987.0384	0.0703	0.060		
2076:	85	19	66	1	85	84	19	65	1	84	221005.9266	-0.0257	0.025	-0.0258	0.50
2077:	85	19	67	1	85	84	19	66	1	84	221005.9266	-0.0257	0.025	-0.0258	0.50
2078:	27	6	22	1	27	26	5	21	1	26	221043.1805	0.1338	0.040	0.0822	0.50
2079:	27	6	21	1	27	26	5	22	1	26	221043.1805	0.0305	0.040	0.0822	0.50
2080:	85	20	65	1	85	84	20	64	1	84	221047.7930	-0.0052	0.025	-0.0052	0.50
2081:	85	20	66	1	85	84	20	65	1	84	221047.7930	-0.0052	0.025	-0.0052	0.50
2082:	85	21	64	1	85	84	21	63	1	84	221093.0822	-0.0550	0.060	-0.0550	0.50
2083:	85	21	65	1	85	84	21	64	1	84	221093.0822	-0.0550	0.060	-0.0550	0.50
2084:	85	7	79	1	85	84	7	78	1	84	221103.9063	-0.0471	0.060		
2085:	85	7	78	1	85	84	7	77	1	84	221113.8508	0.0302	0.060		
2086:	85	23	62	1	85	84	23	61	1	84	221193.5955	0.0194	0.025	0.0195	0.50
2087:	85	23	63	1	85	84	23	62	1	84	221193.5955	0.0194	0.025	0.0195	0.50
2088:	85	24	61	1	85	84	24	60	1	84	221248.3214	-0.0806	0.060	-0.0807	0.50
2089:	85	24	62	1	85	84	24	61	1	84	221248.3214	-0.0806	0.060	-0.0807	0.50
2090:	85	6	80	1	85	84	6	79	1	84	221266.5226	-0.0001	0.025		
2091:	85	25	60	1	85	84	25	59	1	84	221306.0961	-0.0610	0.060	-0.0610	0.50
2092:	85	25	61	1	85	84	25	60	1	84	221306.0961	-0.0610	0.060	-0.0610	0.50
2093:	85	5	81	1	85	84	5	80	1	84	221311.6919	-0.0335	0.060		
2094:	85	26	59	1	85	84	26	58	1	84	221366.7207	-0.0356	0.060	-0.0356	0.50
2095:	85	26	60	1	85	84	26	59	1	84	221366.7207	-0.0356	0.060	-0.0356	0.50
2096:	85	6	79	1	85	84	6	78	1	84	221389.0908	-0.0826	0.060		
2097:	85	30	55	1	85	84	30	54	1	84	221636.3352	0.0577	0.060	0.0578	0.50
2098:	85	30	56	1	85	84	30	55	1	84	221636.3352	0.0577	0.060	0.0578	0.50
2099:	85	31	54	1	85	84	31	53	1	84	221710.1551	-0.0172	0.025	-0.0172	0.50
2100:	85	31	55	1	85	84	31	54	1	84	221710.1551	-0.0172	0.025	-0.0172	0.50
2101:	38	5	34	1	38	37	4	33	1	37	221770.4406	0.0499	0.040		
2102:	85	33	52	1	85	84	33	51	1	84	221865.4253	-0.0427	0.060	-0.0428	0.50
2103:	85	33	53	1	85	84	33	52	1	84	221865.4253	-0.0427	0.060	-0.0428	0.50
2104:	86	3	84	1	86	85	3	83	1	85	221933.2700	-0.0602	0.060		
2105:	85	5	80	1	85	84	5	79	1	84	222186.7356	0.0250	0.060		
2106:	87	1	86	1	87	86	2	85	1	86	222302.5429	-0.0268	0.040		
2107:	86	2	84	1	86	85	2	83	1	85	222345.5053	-0.0196	0.025		
2108:	85	3	82	1	85	84	3	81	1	84	222388.5802	0.0714	0.060		
2109:	116	14102	1116	115	14101	1115	14101	1115			301147.0930	0.0095	0.040	0.0096	0.50
2110:	116	14103	1116	115	14102	1115	14102	1115			301147.0930	0.0095	0.040	0.0096	0.50
2111:	116	15102	1116	115	15101	1115	15101	1115			301152.1777	0.0036	0.040	0.0036	0.50
2112:	116	15101	1116	115	15100	1115	15100	1115			301152.1777	0.0036	0.040	0.0036	0.50

2113:116	13103	1116	115	13102	1115	301156.3349	0.0019	0.040	0.0019	0.50				
2114:116	13104	1116	115	13103	1115	301156.3349	0.0019	0.040	0.0019	0.50				
2115:116	16100	1116	115	16	99	1115	301169.0363	0.1779	0.150	0.1779	0.50			
2116:116	16101	1116	115	16100	1115	301169.0363	0.1779	0.150	0.1779	0.50				
2117:116	12105	1116	115	12104	1115	301183.9831	0.0231	0.040	0.0229	0.50				
2118:116	12104	1116	115	12103	1115	301183.9831	0.0227	0.040	0.0229	0.50				
2119:116	17	99	1116	115	17	98	1115	301195.1527	-0.0537	0.150	-0.0537	0.50		
2120:116	17100	1116	115	17	99	1115	301195.1527	-0.0537	0.150	-0.0537	0.50			
2121:116	18	98	1116	115	18	97	1115	301229.8714	0.0463	0.050	0.0464	0.50		
2122:116	18	99	1116	115	18	98	1115	301229.8714	0.0463	0.050	0.0464	0.50		
2123:116	11106	1116	115	11105	1115	301236.1175	-0.0239	0.040	-0.0290	0.50				
2124:116	11105	1116	115	11104	1115	301236.1175	-0.0341	0.040	-0.0290	0.50				
2125:116	19	97	1116	115	19	96	1115	301271.8983	0.2127	0.150	0.2127	0.50		
2126:116	19	98	1116	115	19	97	1115	301271.8983	0.2127	0.150	0.2127	0.50		
2127:116	10106	1116	115	10105	1115	301322.9254	-0.0633	0.040	0.0443	0.50				
2128:116	10107	1116	115	10106	1115	301322.9254	0.1518	0.040	0.0443	0.50				
2129:116	9108	1116	115	9107	1115	301459.8554	0.0344	0.040						
2130:116	9107	1116	115	9106	1115	301463.3664	-0.0266	0.040						
2131: 52	13	40	1	52	52	12	41	1	52	342002.3457	-0.0384	0.060	-0.0385	0.50
2132: 52	13	39	1	52	52	12	40	1	52	342002.3457	-0.0384	0.060	-0.0385	0.50
2133: 53	13	41	1	53	53	12	42	1	53	342015.3752	0.0172	0.060	0.0172	0.50
2134: 53	13	40	1	53	53	12	41	1	53	342015.3752	0.0172	0.060	0.0172	0.50
2135: 54	13	41	1	54	54	12	42	1	54	342028.3227	0.0138	0.060	0.0138	0.50
2136: 54	13	42	1	54	54	12	43	1	54	342028.3227	0.0138	0.060	0.0138	0.50
2137:115	13102	1115	115	12103	1115	342034.2942	0.0717	0.060	0.0709	0.50				
2138:115	13103	1115	115	12104	1115	342034.2942	0.0700	0.060	0.0709	0.50				
2139: 55	13	42	1	55	55	12	43	1	55	342041.2274	0.0053	0.060	0.0053	0.50
2140: 55	13	43	1	55	55	12	44	1	55	342041.2274	0.0053	0.060	0.0053	0.50
2141: 56	13	44	1	56	56	12	45	1	56	342054.1335	0.0509	0.060	0.0509	0.50
2142: 56	13	43	1	56	56	12	44	1	56	342054.1335	0.0509	0.060	0.0509	0.50
2143: 57	13	44	1	57	57	12	45	1	57	342066.9209	0.0459	0.060	0.0459	0.50
2144: 57	13	45	1	57	57	12	46	1	57	342066.9209	0.0459	0.060	0.0459	0.50
2145: 58	13	46	1	58	58	12	47	1	58	342079.5489	-0.0348	0.060	-0.0349	0.50
2146: 58	13	45	1	58	58	12	46	1	58	342079.5489	-0.0348	0.060	-0.0349	0.50
2147: 59	13	46	1	59	59	12	47	1	59	342092.1898	-0.0032	0.060	-0.0033	0.50
2148: 59	13	47	1	59	59	12	48	1	59	342092.1898	-0.0032	0.060	-0.0033	0.50
2149:132	4128	1132	131	4127	1131	342096.7694	-0.1518	0.150						
2150: 60	13	48	1	60	60	12	49	1	60	342104.7146	0.0278	0.060	0.0278	0.50
2151: 60	13	47	1	60	60	12	48	1	60	342104.7146	0.0278	0.060	0.0278	0.50
2152:112	13	99	1112	112	12100	1112	342108.5311	-0.0871	0.060	-0.0876	0.50			
2153:112	13100	1112	112	12101	1112	342108.5311	-0.0880	0.060	-0.0876	0.50				
2154: 61	13	48	1	61	61	12	49	1	61	342117.0923	0.0436	0.060	0.0437	0.50
2155: 61	13	49	1	61	61	12	50	1	61	342117.0923	0.0436	0.060	0.0437	0.50
2156: 62	13	49	1	62	62	12	50	1	62	342129.3016	0.0397	0.060	0.0397	0.50
2157: 62	13	50	1	62	62	12	51	1	62	342129.3016	0.0397	0.060	0.0397	0.50
2158:111	13	98	1111	111	12	99	1111	342130.6466	-0.0453	0.060	-0.0457	0.50		
2159:111	13	99	1111	111	12100	1111	342130.6466	-0.0460	0.060	-0.0457	0.50			
2160: 63	13	50	1	63	63	12	51	1	63	342141.3488	0.0390	0.060	0.0390	0.50
2161: 63	13	51	1	63	63	12	52	1	63	342141.3488	0.0390	0.060	0.0390	0.50
2162:133	3130	1133	132	3129	1132	342149.2627	-0.1137	0.150						
2163:110	13	97	1110	110	12	98	1110	342151.4348	-0.0194	0.060	-0.0197	0.50		
2164:110	13	98	1110	110	12	99	1110	342151.4348	-0.0200	0.060	-0.0197	0.50		
2165: 65	13	53	1	65	65	12	54	1	65	342164.8331	-0.0075	0.060	-0.0076	0.50
2166: 65	13	52	1	65	65	12	53	1	65	342164.8331	-0.0075	0.060	-0.0076	0.50
2167: 66	13	53	1	66	66	12	54	1	66	342176.1361	-0.1526	0.060	-0.1526	0.50
2168: 66	13	54	1	66	66	12	55	1	66	342176.1361	-0.1526	0.060	-0.1526	0.50
2169: 67	13	55	1	67	67	12	56	1	67	342187.5183	0.0169	0.060	0.0170	0.50
2170: 67	13	54	1	67	67	12	55	1	67	342187.5183	0.0169	0.060	0.0170	0.50
2171: 68	13	55	1	68	68	12	56	1	68	342198.4373	-0.0231	0.060	-0.0232	0.50
2172: 68	13	56	1	68	68	12	57	1	68	342198.4373	-0.0231	0.060	-0.0232	0.50
2173:107	13	94	1107	107	12	95	1107	342206.1810	0.0079	0.060	0.0078	0.50		
2174:107	13	95	1107	107	12	96	1107	342206.1810	0.0076	0.060	0.0078	0.50		
2175: 69	13	56	1	69	69	12	57	1	69	342209.1438	-0.0039	0.060	-0.0039	0.50
2176: 69	13	57	1	69	69	12	58	1	69	342209.1438	-0.0039	0.060	-0.0039	0.50
2177: 70	13	58	1	70	70	12	59	1	70	342219.5429	-0.0015	0.060	-0.0015	0.50
2178: 70	13	57	1	70	70	12	58	1	70	342219.5429	-0.0015	0.060	-0.0015	0.50
2179:106	13	93	1106	106	12	94	1106	342221.9786	-0.0097	0.060	-0.0099	0.50		
2180:106	13	94	1106	106	12	95	1106	342221.9786	-0.0100	0.060	-0.0099	0.50		
2181: 71	13	58	1	71	71	12	59	1	71	342229.6722	0.0404	0.060	0.0405	0.50
2182: 71	13	59	1	71	71	12	60	1	71	342229.6722	0.0404	0.060	0.0405	0.50
2183:105	13	92	1105	105	12	93	1105	342236.5493	-0.0906	0.060	-0.0908	0.50		
2184:105	13	93	1105	105	12	94	1105	342236.5493	-0.0908	0.060	-0.0908	0.50		
2185: 72	13	59	1	72	72	12	60	1	72	342239.3593	-0.0311	0.060	-0.0311	0.50
2186: 72	13	60	1	72	72	12	61	1	72	342239.3593	-0.0311	0.060	-0.0311	0.50
2187: 73	13	61	1	73	73	12	62	1	73	342248.7061	-0.0950	0.060	-0.0951	0.50
2188: 73	13	60	1	73	73	12	61	1	73	342248.7061	-0.0950	0.060	-0.0951	0.50
2189: 74	13	61	1	74	74	12	62	1	74	342257.8544	0.0101	0.060	0.0101	0.50
2190: 74	13	62	1	74	74	12	63	1	74	342257.8544	0.0101	0.060	0.0101	0.50
2191:103	13	90	1103	103	12	91	1103	342262.6721	0.1060	0.060	0.1060	0.50		
2192:103	13	91	1103	103	12	92	1103	342262.6721	0.1059	0.060	0.1060	0.50		
2193: 75	13	63	1	75	75	12	64	1	75	342266.4994	-0.0003	0.060	-0.0004	0.50
2194: 75	13	62	1	75	75	12	63	1	75	342266.4994	-0.0003	0.060	-0.0004	0.50
2195:102	13	89	1102	102	12	90	1102	342273.9277	0.0308	0.060	0.0308	0.50		

2196:102	13	90	1102	102	12	91	1102	342273.9277	0.0307	0.060	0.0308	0.50
2197: 76	13	63	1 76	76	12	64	1 76	342274.8340	0.0863	0.060	0.0864	0.50
2198: 76	13	64	1 76	76	12	65	1 76	342274.8340	0.0863	0.060	0.0864	0.50
2199: 77	13	65	1 77	77	12	66	1 77	342282.6233	0.0559	0.060	0.0560	0.50
2200: 77	13	64	1 77	77	12	65	1 77	342282.6233	0.0559	0.060	0.0560	0.50
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2202:101	13	89	1101	101	12	90	1101	342284.2261	0.0495	0.060	0.0496	0.50
2203: 78	13	65	1 78	78	12	66	1 78	342290.0363	0.0980	0.120	0.0981	0.50
2204: 78	13	66	1 78	78	12	67	1 78	342290.0363	0.0980	0.120	0.0981	0.50
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2206:100	13	88	1100	100	12	89	1100	342293.2975	-0.1348	0.120	-0.1348	0.50
2207: 79	13	67	1 79	79	12	68	1 79	342296.7252	-0.1141	0.060	-0.1142	0.50
2208: 79	13	66	1 79	79	12	67	1 79	342296.7252	-0.1141	0.060	-0.1142	0.50
2209: 99	13	86	1 99	99	12	87	1 99	342301.7477	0.0562	0.060	0.0562	0.50
2210: 99	13	87	1 99	99	12	88	1 99	342301.7477	0.0561	0.060	0.0562	0.50
2211: 81	13	69	1 81	81	12	70	1 81	342309.1318	-0.0157	0.060	0.0676	0.25
2212: 81	13	68	1 81	81	12	69	1 81	342309.1318	-0.0157	0.060	0.0676	0.25
2213: 98	13	85	1 98	98	12	86	1 98	342309.1318	0.1510	0.060	0.0676	0.25
2214: 98	13	86	1 98	98	12	87	1 98	342309.1318	0.1509	0.060	0.0676	0.25
2215: 82	13	69	1 82	82	12	70	1 82	342314.4868	-0.0245	0.060	-0.0245	0.50
2216: 82	13	70	1 82	82	12	71	1 82	342314.4868	-0.0245	0.060	-0.0245	0.50
2217: 97	13	84	1 97	97	12	85	1 97	342315.4724	0.1455	0.120	0.1456	0.50
2218: 97	13	85	1 97	97	12	86	1 97	342315.4724	0.1455	0.120	0.1456	0.50
2219: 83	13	70	1 83	83	12	71	1 83	342319.3789	0.0598	0.060	0.0598	0.50
2220: 83	13	71	1 83	83	12	72	1 83	342319.3789	0.0598	0.060	0.0598	0.50
2221: 96	13	84	1 96	96	12	85	1 96	342320.7133	-0.0424	0.060	-0.0425	0.50
2222: 96	13	83	1 96	96	12	84	1 96	342320.7133	-0.0424	0.060	-0.0425	0.50
2223: 84	13	72	1 84	84	12	73	1 84	342323.6325	0.0838	0.060	0.0839	0.50
2224: 84	13	71	1 84	84	12	72	1 84	342323.6325	0.0838	0.060	0.0839	0.50
2225: 95	13	83	1 95	95	12	84	1 95	342325.1972	-0.0964	0.060	-0.0964	0.50
2226: 95	13	82	1 95	95	12	83	1 95	342325.1972	-0.0964	0.060	-0.0964	0.50
2227: 85	13	73	1 85	85	12	74	1 85	342327.2077	0.0302	0.060	0.0303	0.50
2228: 85	13	72	1 85	85	12	73	1 85	342327.2077	0.0302	0.060	0.0303	0.50
2229: 94	13	81	1 94	94	12	82	1 94	342328.9031	-0.0629	0.060	-0.0630	0.50
2230: 94	13	82	1 94	94	12	83	1 94	342328.9031	-0.0629	0.060	-0.0630	0.50
2231: 86	13	74	1 86	86	12	75	1 86	342330.2548	0.0719	0.075	0.0720	0.50
2232: 86	13	73	1 86	86	12	74	1 86	342330.2548	0.0720	0.075	0.0720	0.50
2233: 93	13	80	1 93	93	12	81	1 93	342331.6138	-0.1846	0.150	-0.1847	0.50
2234: 93	13	81	1 93	93	12	82	1 93	342331.6138	-0.1847	0.150	-0.1847	0.50
2235: 87	13	75	1 87	87	12	76	1 87	342332.6021	0.0603	0.075	0.0604	0.50
2236: 87	13	74	1 87	87	12	75	1 87	342332.6021	0.0603	0.075	0.0604	0.50
2237: 88	13	76	1 88	88	12	77	1 88	342333.9710	-0.2599	0.075	-0.0525	0.25
2238: 88	13	75	1 88	88	12	76	1 88	342333.9710	-0.2599	0.075	-0.0525	0.25
2239: 92	13	80	1 92	92	12	81	1 92	342333.9710	0.1549	0.075	-0.0525	0.25
2240: 92	13	79	1 92	92	12	80	1 92	342333.9710	0.1549	0.075	-0.0525	0.25
2241: 89	13	77	1 89	89	12	78	1 89	342335.2860	0.0591	0.060	0.0272	0.17
2242: 89	13	76	1 89	89	12	77	1 89	342335.2860	0.0591	0.060	0.0272	0.17
2243: 90	13	77	1 90	90	12	78	1 90	342335.2860	-0.2197	0.060	0.0272	0.17
2244: 90	13	78	1 90	90	12	79	1 90	342335.2860	-0.2197	0.060	0.0272	0.17
2245: 91	13	78	1 91	91	12	79	1 91	342335.2860	0.2423	0.060	0.0272	0.17
2246: 91	13	79	1 91	91	12	80	1 91	342335.2860	0.2423	0.060	0.0272	0.17
2247:131	5126	1131	130	5125	1130			342481.6282	-0.1578	0.150		
2248:132	15118	1132	131	15117	1131			342484.4388	-0.1085	0.080	-0.1086	0.50
2249:132	15117	1132	131	15116	1131			342484.4388	-0.1085	0.080	-0.1086	0.50
2250:132	16117	1132	131	16116	1131			342491.6083	0.0169	0.080	0.0170	0.50
2251:132	16116	1132	131	16115	1131			342491.6083	0.0169	0.080	0.0170	0.50
2252:132	14118	1132	131	14117	1131			342493.4292	0.0068	0.080	0.0069	0.50
2253:132	14119	1132	131	14118	1131			342493.4292	0.0068	0.080	0.0069	0.50
2254:132	17115	1132	131	17114	1131			342511.7987	0.1237	0.080	0.1238	0.50
2255:132	17116	1132	131	17115	1131			342511.7987	0.1237	0.080	0.1238	0.50
2256:132	18114	1132	131	18113	1131			342542.8269	0.0913	0.080	0.0913	0.50
2257:132	18115	1132	131	18114	1131			342542.8269	0.0913	0.080	0.0913	0.50
2258:132	12121	1132	131	12120	1131			342577.5687	0.0381	0.080	0.0348	0.50
2259:132	12120	1132	131	12119	1131			342577.5687	0.0313	0.080	0.0348	0.50
2260:132	12121	1132	131	12120	1131			342577.5796	0.0490	0.080	0.0457	0.50
2261:132	12120	1132	131	12119	1131			342577.5796	0.0422	0.080	0.0457	0.50
2262:132	19113	1132	131	19112	1131			342583.3895	0.1304	0.080	0.1304	0.50
2263:132	19114	1132	131	19113	1131			342583.3895	0.1304	0.080	0.1304	0.50
2264:134	3132	1134	133	3131	1133			342601.9162	0.0817	0.080		
2265:134	2132	1134	133	2131	1133			342606.4325	0.1497	0.080		
2266:132	20112	1132	131	20111	1131			342632.1969	0.0870	0.080	0.0870	0.50
2267:132	20113	1132	131	20112	1131			342632.1969	0.0870	0.080	0.0870	0.50
2268:132	11122	1132	131	11121	1131			342668.4574	-0.1155	0.150	-0.1834	0.50
2269:132	11121	1132	131	11120	1131			342668.4574	-0.2512	0.150	-0.1834	0.50
2270:132	21111	1132	131	21110	1131			342688.5152	0.0944	0.080	0.0945	0.50
2271:132	21112	1132	131	21111	1131			342688.5152	0.0944	0.080	0.0945	0.50
2272:132	10123	1132	131	10122	1131			342810.9470	0.0864	0.080		
2273:132	23109	1132	131	23108	1131			342820.8276	-0.0428	0.080	-0.0429	0.50
2274:132	23110	1132	131	23109	1131			342820.8276	-0.0428	0.080	-0.0429	0.50
2275:132	25107	1132	131	25106	1131			342976.6513	-0.0712	0.080	-0.0712	0.50
2276:132	25108	1132	131	25107	1131			342976.6513	-0.0712	0.080	-0.0712	0.50
2277:132	9124	1132	131	9123	1131			343024.2150	-0.1949	0.150		
2278:132	9123	1132	131	9122	1131			343051.4599	-0.0022	0.080		

2279:135	2134	1135	134	2133	1134	343152.8097	-0.0575	0.080	-0.1320	0.50
2280:135	1134	1135	134	1133	1134	343152.8097	-0.2065	0.080	-0.1320	0.50
2281: 75	6 69	1 75	74	5 70	1 74	343164.1034	-0.0173	0.080		
2282: 53	8 45	1 53	52	7 46	1 52	343235.7380	-0.0887	0.080	-0.0476	0.50
2283: 53	8 46	1 53	52	7 45	1 52	343235.7380	-0.0063	0.080	-0.0476	0.50
2284:132	7126	1132	131	7125	1131	343401.0718	-0.0897	0.080		
2285:131	6125	1131	130	6124	1130	343424.1094	-0.1274	0.150		
2286:132	8124	1132	131	8123	1131	343537.1874	-0.1642	0.080		
2287: 64	7 57	1 64	63	6 58	1 63	343648.3579	0.2020	0.150		
2288:136	0136	1136	135	1135	1135	343721.4639	-0.0395	0.080	-0.0567	0.25
2289:136	1136	1136	135	1135	1135	343721.4639	-0.0556	0.080	-0.0567	0.25
2290:136	0136	1136	135	0135	1135	343721.4639	-0.0578	0.080	-0.0567	0.25
2291:136	1136	1136	135	0135	1135	343721.4639	-0.0739	0.080	-0.0567	0.25
2292:133	5129	1133	132	5128	1132	343978.3312	-0.0372	0.080		
2293:135	3132	1135	134	4131	1134	346483.2975	0.0195	0.150		
2294:133	34100	1133	132	34 99	1132	346500.4087	-0.0932	0.150	-0.0932	0.50
2295:133	34 99	1133	132	34 98	1132	346500.4087	-0.0932	0.150	-0.0932	0.50
2296: 71	3 68	1 71	70	2 69	1 70	346506.4751	0.1341	0.150		
2297: 78	6 73	1 78	77	5 72	1 77	346545.3672	0.0390	0.150		
2298:135	3132	1135	134	3131	1134	347145.7970	-0.1211	0.150		
2299:134	15120	1134	133	15119	1133	347645.8987	0.2171	0.150	0.2172	0.50
2300:134	15119	1134	133	15118	1133	347645.8987	0.2171	0.150	0.2172	0.50
2301:134	17117	1134	133	17116	1133	347670.4872	0.2118	0.150	0.2119	0.50
2302:134	17118	1134	133	17117	1133	347670.4872	0.2118	0.150	0.2119	0.50
2303:134	18116	1134	133	18115	1133	347700.6380	-0.0485	0.080	-0.0486	0.50
2304:134	18117	1134	133	18116	1133	347700.6380	-0.0485	0.080	-0.0486	0.50
2305:134	19115	1134	133	19114	1133	347740.9042	0.0347	0.080	0.0348	0.50
2306:134	19116	1134	133	19115	1133	347740.9042	0.0347	0.080	0.0348	0.50
2307:134	12123	1134	133	12122	1133	347747.8174	-0.0101	0.080	-0.0148	0.50
2308:134	12122	1134	133	12121	1133	347747.8174	-0.0195	0.080	-0.0148	0.50

PARAMETERS IN FIT (values truncated and Nlines statistics):

10099	A	/MHz	15028.68713(46)	1
20099	B	/MHz	1334.107309(23)	2
30099	C	/MHz	1263.856698(22)	3
299	DJ	/kHz	0.1458341(29)	4
1199	DJK	/kHz	-7.54678(14)	5
2099	DK	/kHz	214.3805(86)	6
40199	deltaJ	/kHz	0.0220207(20)	7
41099	deltaK	/kHz	0.48160(41)	8
399	HJ	/Hz	0.00009962(13)	9
1299	HJK	/Hz	-0.006463(11)	10
2199	HKJ	/Hz	-0.05301(28)	11
3099	HK	/Hz	4.770(32)	12
40299	hJ	/Hz	0.00003144(15)	13
3199	LKKJ	/mHz	-0.02050(15)	14
2299	LJK	/mHz	0.000283(13)	15
110010000	X.aa*3/2	/MHz	-4.0900(24)	16
110040000	X.(b-c)/4	/MHz	-0.34403(83)	17

MICROWAVE AVG = 0.003530 MHz, IR AVG = 0.00000
MICROWAVE RMS = 0.043454 MHz, IR RMS = 0.00000
END OF ITERATION 1 OLD, NEW RMS ERROR= 0.93873 0.93873

distinct frequency lines in fit: 1481
distinct parameters of fit: 17

MICROWAVE	lines fitted			lines	lines	RMS	RMS ERROR	J range	Ka range	freq. range	
	total	dv=0	dv.ne.0	UNFITTD	e>900						
v"= 0	52	52	0	0	0	0.003114	1.28135	0 5	0 1	5125	18820
v"= 1	1429	1429	0	0	0	0.044178	0.92192	6 136	0 39	17936	347748
total:	1481	1481	0	0	0	0.043400	0.93687				

NOTE: the RMS values above are for Nlines statistics, but the 'total' values may differ slightly from those in the .FIT file since the o-c values for this evaluation are as rounded in the .FIT.

PARAMETERS IN FIT WITH STANDARD ERRORS ON THOSE THAT ARE FITTED:
(values rounded and degrees of freedom, Ndegf=Nlines-Nconst, statistics)

10099	A	/MHz	15028.68713(43)	1
20099	B	/MHz	1334.107310(22)	2
30099	C	/MHz	1263.856699(21)	3
299	DJ	/kHz	0.1458342(27)	4
1199	DJK	/kHz	-7.54678(13)	5
2099	DK	/kHz	214.3805(81)	6
40199	deltaJ	/kHz	0.0220207(19)	7
41099	deltaK	/kHz	0.48160(39)	8
399	HJ	/Hz	0.00009962(12)	9

1299	HJK	/Hz	-0.006464 (10)	10
2199	HKJ	/Hz	-0.05301 (26)	11
3099	HK	/Hz	4.770 (30)	12
40299	hJ	/Hz	0.00003144 (14)	13
3199	LKKJ	/mHz	-0.02051 (14)	14
2299	LJK	/mHz	0.000283 (12)	15
110010000	X.aa*3/2	/MHz	-4.0900 (23)	16
110040000	X.(b-c)/4	/MHz	-0.34403 (78)	17

CORRELATION COEFFICIENTS, C.ij:

	A	B	C	-DJ	-DJK	-DK	-deltaJ	-deltaK
A	1.0000							
B	0.1251	1.0000						
C	0.0985	0.3173	1.0000					
-DJ	-0.0534	-0.6259	-0.6239	1.0000				
-DJK	-0.2057	-0.3638	-0.3636	0.1517	1.0000			
-DK	-0.6944	0.0784	0.0916	-0.0384	-0.2462	1.0000		
-deltaJ	-0.0424	-0.5567	0.5404	0.0356	-0.0404	0.0382	1.0000	
-deltaK	0.0763	0.1316	-0.1409	0.1603	0.0287	-0.0719	-0.1707	1.0000
HJ	0.0265	0.4237	0.3235	-0.8176	0.1179	-0.0357	-0.1302	0.0025
HJK	0.0928	0.2726	0.3458	-0.1981	-0.7382	0.1774	0.1018	-0.0018
HKJ	0.1884	0.2122	0.1922	-0.0647	-0.8831	0.2206	0.0167	-0.0598
HK	0.6099	-0.0671	-0.0833	0.0444	0.2405	-0.9778	-0.0402	0.0577
hJ	0.0363	0.4035	-0.4440	-0.0429	0.1044	-0.0515	-0.8971	0.0219
LKKJ	-0.1535	-0.1298	-0.0911	0.0291	0.6634	-0.1745	0.0091	0.0569
LJK	-0.0930	-0.1584	-0.2196	0.0789	0.6801	-0.1423	-0.0866	0.0090
X.aa*3/2	-0.0115	-0.0128	-0.0150	0.0127	0.0090	0.0048	-0.0014	0.0000
X.(b-c)/4	-0.0787	0.0288	0.0175	-0.0178	-0.0240	-0.0504	-0.0109	0.0080
	HJ	HJK	HKJ	HK	hJ	LKKJ	LJK	X.aa*3/2
HJ	1.0000							
HJK	-0.1859	1.0000						
HKJ	-0.0775	0.4903	1.0000					
HK	0.0395	-0.2091	-0.2265	1.0000				
hJ	0.1463	-0.1516	-0.0658	0.0544	1.0000			
LKKJ	0.0173	-0.1969	-0.9142	0.1854	0.0272	1.0000		
LJK	0.2011	-0.9082	-0.5382	0.1715	0.1242	0.2327	1.0000	
X.aa*3/2	-0.0073	-0.0070	-0.0057	-0.0042	0.0015	0.0035	0.0046	1.0000
X.(b-c)/4	0.0109	0.0135	0.0192	0.0441	0.0080	-0.0146	-0.0110	0.2101

X.(b-c)/

X.(b-c)/4 1.0000

Mean value of |C.ij|, i.ne.j = 0.1800

Mean value of C.ij, i.ne.j = -0.0359

No correlations with absolute value greater than 0.9950

Worst fitted lines (obs-calc/error):

1417:	3.6	1610:	-3.3	1623:	-3.2	15:	-3.1
48:	-3.1	13:	-2.9	43:	-2.8	1613:	-2.6
721:	2.5	2167:	-2.5	653:	2.5	2043:	2.4
52:	-2.4	1327:	2.4	1335:	2.4	1336:	2.4
1621:	-2.3	1792:	2.3	1320:	2.3	1420:	2.3
2:	-2.2	1247:	2.2	1085:	2.1	2054:	-2.1
1657:	-2.1	1334:	2.1	1482:	2.1	1283:	2.1
2078:	2.1	2286:	-2.1	1912:	-2.1	1:	-2.1
884:	2.0	1454:	2.0	2040:	-2.0	1164:	2.0
861:	2.0	1911:	2.0	199:	-2.0	1297:	2.0
1830:	-2.0	58:	-2.0	1439:	2.0	264:	-2.0
1292:	-2.0	224:	1.9	1460:	1.9	53:	-1.9
1398:	1.9	855:	-1.9				
1417/ 97	6 91	1 97	97	5 92	1 97	125845.2120	0.1441 0.040
1610/ 85	8 78	1 85	85	7 79	1 85	203428.7133	-0.0830 0.025
1623/ 77	8 69	1 77	77	7 70	1 77	204233.3202	-0.1891 0.060
15/ 2	1 2	0 2	3	0 3	0 3	5831.8000	-0.0062 0.002
48/ 1	1 1	0 2	0	0 0	0 1	16292.3020	-0.0092 0.003
13: 2	1 2	0 3	3	0 3	0 4	5831.5480	-0.0058 0.002
43: 1	1 0	0 2	1	0 1	0 2	13764.3855	-0.0056 0.002
1613: 84	8 76	1 84	84	7 77	1 84	203491.6344	-0.1546 0.060
721: 18	6 13	1 18	19	5 14	1 19	101515.8001	0.1041 0.040 0.1019 0.50
2167: 66	13 53	1 66	66	12 54	1 66	342176.1361	-0.1526 0.060 -0.1526 0.50

////////////////////////////////////
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 //////////////////////////////////

GA_valeronitrile, A-reduction

Thu Dec 29 17:48:46 2022

										obs	o-c	error	blends o-c	wt	Notes
/ instead of : below denotes (o-c)>3*err															=====
1:	3	0	3	0	2	2	1	2	0	1	4380.9370	0.0035	0.002		
2:	3	0	3	0	4	2	1	2	0	3	4381.2600	0.0007	0.002		
3:	3	0	3	0	3	2	1	2	0	2	4381.8180	0.0011	0.002		
4:	1	1	0	0	0	1	0	1	0	1	6080.3900	-0.0017	0.002		
5:	1	1	0	0	2	1	0	1	0	2	6081.2640	-0.0046	0.002		
6:	1	1	0	0	2	1	0	1	0	1	6081.2830	0.0019	0.004		
7:	1	1	0	0	1	1	0	1	0	2	6081.8550	-0.0065	0.004		
8:	1	1	0	0	1	1	0	1	0	1	6081.8740	0.0000	0.002		
9:	2	1	1	0	1	2	0	2	0	1	6322.2040	-0.0037	0.002		
10:	2	1	1	0	3	2	0	2	0	3	6322.5740	-0.0003	0.002		
11:	2	1	1	0	2	2	0	2	0	2	6323.2330	-0.0012	0.002		
12:	2	1	2	0	2	1	1	1	0	2	6450.7260	-0.0015	0.002		
13:	2	1	2	0	1	1	1	1	0	0	6450.8450	0.0000	0.002		
14:	2	1	2	0	2	1	1	1	0	1	6451.3080	0.0000	0.002		
15:	2	1	2	0	3	1	1	1	0	2	6451.3610	-0.0018	0.002		
16:	2	1	2	0	1	1	1	1	0	1	6452.2950	-0.0013	0.002		
17:	2	0	2	0	3	1	0	1	0	2	6678.7800	-0.0016	0.002		
18:	3	1	2	0	2	3	0	3	0	2	6697.1490	-0.0031	0.002		
19:	3	1	2	0	2	3	0	3	0	3	6697.2540	-0.0029	0.003		
20:	3	1	2	0	4	3	0	3	0	4	6697.4020	0.0010	0.002		
21:	3	1	2	0	3	3	0	3	0	4	6698.0390	0.0046	0.004		
22:	3	1	2	0	3	3	0	3	0	3	6698.1120	0.0000	0.004		
23:	2	1	1	0	1	1	1	0	0	1	6919.1500	0.0010	0.002		
24:	2	1	1	0	3	1	1	0	0	2	6920.0860	-0.0013	0.002		
25:	2	1	1	0	2	1	1	0	0	1	6920.1180	0.0016	0.002		
26:	2	1	1	0	1	1	1	0	0	0	6920.6300	-0.0011	0.002		
27:	2	1	1	0	2	1	1	0	0	2	6920.7070	-0.0022	0.002		
28:	4	1	3	0	3	4	0	4	0	3	7220.5230	-0.0008	0.002		
29:	4	1	3	0	5	4	0	4	0	5	7220.7200	-0.0003	0.002		
30:	4	1	3	0	4	4	0	4	0	4	7221.4850	0.0003	0.002		
31:	5	1	4	0	4	5	0	5	0	4	7911.3010	0.0027	0.004		
32:	5	1	4	0	6	5	0	5	0	6	7911.4650	-0.0006	0.004		
33:	5	1	4	0	5	5	0	5	0	5	7912.2940	0.0064	0.004		
34:	4	0	4	0	3	3	1	3	0	2	8010.8580	0.0000	0.003		
35:	4	0	4	0	5	3	1	3	0	4	8011.0580	-0.0008	0.003		
36:	4	0	4	0	4	3	1	3	0	3	8011.5920	-0.0058	0.003		
37:	6	1	5	0	5	6	0	6	0	5	8790.8760	0.0012	0.002		
38:	6	1	5	0	7	6	0	6	0	7	8791.0250	0.0012	0.002		
39:	6	1	5	0	6	6	0	6	0	6	8791.9070	0.0003	0.002		
40:	3	1	3	0	2	2	1	2	0	1	9672.5920	-0.0004	0.002		
41:	3	1	3	0	3	2	1	2	0	2	9672.6720	-0.0040	0.002		
42:	3	1	3	0	4	2	1	2	0	3	9672.7110	0.0001	0.002		
43:	7	1	6	0	6	7	0	7	0	6	9880.6940	0.0016	0.002		
44:	7	1	6	0	8	7	0	7	0	8	9880.8310	0.0025	0.002		
45:	7	1	6	0	7	7	0	7	0	7	9881.7750	0.0016	0.002		
46:	3	0	3	0	3	2	0	2	0	2	10000.8500	-0.0052	0.003		
47:	3	0	3	0	4	2	0	2	0	3	10000.8950	0.0000	0.003		
48:	3	2	2	0	2	2	2	1	0	1	10028.7250	0.0035	0.002		
49:	3	2	1	0	3	2	2	0	0	2	10056.3200	0.0033	0.002		
50:	3	1	2	0	4	2	1	1	0	3	10375.7200	-0.0015	0.003		
51:	3	1	2	0	3	2	1	1	0	2	10375.7330	0.0000	0.003		
52:	3	1	2	0	2	2	1	1	0	1	10375.8400	-0.0053	0.003		
53:	8	1	7	0	7	8	0	8	0	7	11199.0300	0.0023	0.002		
54:	8	1	7	0	9	8	0	8	0	9	11199.1550	0.0008	0.002		
55:	8	1	7	0	8	8	0	8	0	8	11200.1600	0.0019	0.002		
56:	3	2	2	0	2	3	1	3	0	2	18599.2090	-0.0088	0.005		
57:	3	2	2	0	4	3	1	3	0	4	18599.4490	-0.0034	0.005		
58:	3	2	2	0	3	3	1	3	0	3	18600.1190	-0.0035	0.005		
59:	4	2	3	0	3	4	1	4	0	3	19076.3260	-0.0032	0.005		
60:	4	2	3	0	5	4	1	4	0	5	19076.4980	-0.0078	0.005		
61:	4	2	3	0	4	4	1	4	0	4	19077.1880	-0.0047	0.005		
62:	7	0	7	0	8	6	1	6	0	7	19150.2360	-0.0046	0.005		
63:	7	0	7	0	7	6	1	6	0	6	19150.6300	-0.0031	0.005		
!															
! hyperfine unresolved															
!															
64:	31	7	24	1	31	31	6	25	1	31	75020.7567	-0.0485	0.025		
65:	22	2	20	1	22	21	2	19	1	21	75024.6028	0.0055	0.025		

66:	33	7	27	1	33	33	6	28	1	33	75061.9695	0.0011	0.025				
67:	37	3	35	1	37	37	2	36	1	37	75096.4065	-0.0467	0.025				
68:	23	1	22	1	23	22	1	21	1	22	75283.9164	0.0153	0.025				
69:	32	7	26	1	32	32	6	27	1	32	75290.9653	-0.0329	0.025				
70:	30	7	23	1	30	30	6	24	1	30	75387.3488	-0.0121	0.025				
71:	31	7	25	1	31	31	6	26	1	31	75515.3035	-0.0510	0.025				
72:	29	7	22	1	29	29	6	23	1	29	75700.4238	0.0000	0.025				
73/	16	3	14	1	16	15	2	13	1	15	75715.7683	-0.1010	0.025				
74:	30	7	24	1	30	30	6	25	1	30	75731.1685	-0.0210	0.025				
75:	24	0	24	1	24	23	1	23	1	23	75738.7361	0.0006	0.025				
76:	24	1	24	1	24	23	1	23	1	23	75770.2779	-0.0067	0.025				
77:	24	0	24	1	24	23	0	23	1	23	75782.5474	0.0005	0.025				
78:	28	3	25	1	28	27	4	24	1	27	75786.7484	0.0152	0.025				
79:	24	1	24	1	24	23	0	23	1	23	75814.0936	-0.0025	0.025				
80:	47	7	41	1	47	47	6	42	1	47	75819.8176	0.0349	0.025				
81:	22	3	19	1	22	21	3	18	1	21	75834.3586	-0.0028	0.025				
82:	29	7	23	1	29	29	6	24	1	29	75935.6018	-0.0345	0.025				
83:	28	7	21	1	28	28	6	22	1	28	75968.4704	-0.0064	0.025				
84:	28	7	22	1	28	28	6	23	1	28	76126.6882	-0.0101	0.025				
85:	27	7	20	1	27	27	6	21	1	27	76198.5705	0.0108	0.025				
86:	48	8	40	1	48	48	7	41	1	48	76246.4834	0.0239	0.025				
87:	46	4	42	1	46	46	3	43	1	46	76250.0193	-0.0202	0.025				
88:	27	7	21	1	27	27	6	22	1	27	76303.1111	-0.0152	0.025				
89:	26	7	19	1	26	26	6	20	1	26	76396.4978	0.0332	0.025				
90:	23	2	22	1	23	22	1	21	1	22	76429.7242	0.0312	0.025				
91:	26	7	20	1	26	26	6	21	1	26	76464.2968	0.0038	0.025				
92:	25	7	18	1	25	25	6	19	1	25	76566.9429	0.0052	0.025				
93:	25	7	19	1	25	25	6	20	1	25	76610.0541	-0.0169	0.025				
94:	23	3	21	1	23	22	3	20	1	22	76688.8287	0.0018	0.025				
95:	24	7	18	1	24	24	6	19	1	24	76740.7622	0.0408	0.025				
96:	23	7	16	1	23	23	6	17	1	23	76840.5160	0.0636	0.025				
97:	23	7	17	1	23	23	6	18	1	23	76856.8584	0.0642	0.025				
98:	22	7	15	1	22	22	6	16	1	22	76949.3879	0.0462	0.025				
99:	23	13	10	1	23	22	13	9	1	22	77029.4913	0.0092	0.025	0.0092	0.50		
100:	23	13	11	1	23	22	13	10	1	22	77029.4913	0.0092	0.025	0.0092	0.50		
101:	23	14	10	1	23	22	14	9	1	22	77030.2184	0.0049	0.025	0.0050	0.50		
102:	23	14	9	1	23	22	14	8	1	22	77030.2184	0.0049	0.025	0.0050	0.50		
103:	23	12	11	1	23	22	12	10	1	22	77032.6461	-0.0082	0.025	-0.0083	0.50		
104:	23	12	12	1	23	22	12	11	1	22	77032.6461	-0.0082	0.025	-0.0083	0.50		
105:	23	15	8	1	23	22	15	7	1	22	77034.0623	0.0052	0.025	0.0052	0.50		
106:	23	15	9	1	23	22	15	8	1	22	77034.0623	0.0052	0.025	0.0052	0.50		
107:	23	16	7	1	23	22	16	6	1	22	77040.4643	0.0022	0.025	0.0022	0.50		
108:	23	16	8	1	23	22	16	7	1	22	77040.4643	0.0022	0.025	0.0022	0.50		
109:	23	11	12	1	23	22	11	11	1	22	77040.8810	-0.0224	0.025	-0.0224	0.50		
110:	23	11	13	1	23	22	11	12	1	22	77040.8810	-0.0224	0.025	-0.0224	0.50		
111:	23	17	6	1	23	22	17	5	1	22	77049.0410	0.0065	0.025	0.0065	0.50		
112:	23	17	7	1	23	22	17	6	1	22	77049.0410	0.0065	0.025	0.0065	0.50		
113:	23	10	14	1	23	22	10	13	1	22	77056.0431	0.0103	0.025	0.0103	0.50		
114:	23	10	13	1	23	22	10	12	1	22	77056.0431	0.0103	0.025	0.0103	0.50		
115:	23	18	5	1	23	22	18	4	1	22	77059.4757	-0.0099	0.025	-0.0100	0.50		
116:	23	18	6	1	23	22	18	5	1	22	77059.4757	-0.0099	0.025	-0.0100	0.50		
117:	7	5	3	1	7	6	4	2	1	6	77068.5134	0.0515	0.025	0.0070	0.50		
118:	7	5	2	1	7	6	4	3	1	6	77068.5134	-0.0375	0.025	0.0070	0.50		
119:	23	19	4	1	23	22	19	3	1	22	77071.5954	-0.0043	0.025	-0.0043	0.50		
120:	23	19	5	1	23	22	19	4	1	22	77071.5954	-0.0043	0.025	-0.0043	0.50		
121:	23	9	15	1	23	22	9	14	1	22	77080.9549	0.0126	0.025	0.0126	0.50		
122:	23	9	14	1	23	22	9	13	1	22	77080.9549	0.0124	0.025	0.0126	0.50		
123:	23	20	3	1	23	22	20	2	1	22	77085.1981	-0.0137	0.025	-0.0137	0.50		
124:	23	20	4	1	23	22	20	3	1	22	77085.1981	-0.0137	0.025	-0.0137	0.50		
125:	23	21	2	1	23	22	21	1	1	22	77100.2052	0.0114	0.025	0.0114	0.50		
126:	23	21	3	1	23	22	21	2	1	22	77100.2052	0.0114	0.025	0.0114	0.50		
127:	23	8	16	1	23	22	8	15	1	22	77120.5666	0.0070	0.025	0.0032	0.50		
128:	23	8	15	1	23	22	8	14	1	22	77120.5666	-0.0006	0.025	0.0032	0.50		
129:	20	7	14	1	20	20	6	15	1	20	77125.6982	-0.0192	0.025				
130:	23	7	17	1	23	22	7	16	1	22	77183.7673	-0.0247	0.025				
131:	23	7	16	1	23	22	7	15	1	22	77184.0316	-0.0381	0.025				
132:	24	1	23	1	24	23	2	22	1	23	77203.3320	0.0095	0.025				
133:	38	2	36	1	38	38	1	37	1	38	77225.4226	-0.0338	0.025				
134:	23	6	18	1	23	22	6	17	1	22	77286.0541	0.0119	0.025				
135:	23	6	17	1	23	22	6	16	1	22	77292.9578	-0.0012	0.025				
136:	16	7	9	1	16	16	6	10	1	16	77335.4910	0.1002	0.025	-0.0085	0.50		
137:	16	7	10	1	16	16	6	11	1	16	77335.4910	-0.1173	0.025	-0.0085	0.50		
138:	15	7	8	1	15	15	6	9	1	15	77368.0097	0.0469	0.030	-0.0028	0.50		
139:	15	7	9	1	15	15	6	10	1	15	77368.0097	-0.0525	0.030	-0.0028	0.50		
140:	14	7	7	1	14	14	6	8	1	14	77394.2884	0.0170	0.015	-0.0044	0.50		
141:	14	7	8	1	14	14	6	9	1	14	77394.2884	-0.0258	0.015	-0.0044	0.50		
142:	13	7	6	1	13	13	6	7	1	13	77415.1711	0.0107	0.025	0.0022	0.50		
143:	13	7	7	1	13	13	6	8	1	13	77415.1711	-0.0064	0.025	0.0022	0.50		
144:	23	4	20	1	23	22	4	19	1	22	77418.6491	0.0164	0.025				
145:	23	5	19	1	23	22	5	18	1	22	77427.8035	0.0237	0.025				
146:	12	7	5	1	12	12	6	6	1	12	77431.4261	0.0222	0.025	0.0190	0.50		
147:	12	7	6	1	12	12	6	7	1	12	77431.4261	0.0158	0.025	0.0190	0.50		
148:	11	7	4	1	11	11	6	5	1	11	77443.7106	-0.0014	0.025	-0.0026	0.50		

149:	11	7	5	1	11	11	6	6	1	11	77443.7106	-0.0036	0.025	-0.0026	0.50
150:	9	7	2	1	9	9	6	3	1	9	77459.0922	0.0274	0.020	0.0274	0.50
151:	9	7	3	1	9	9	6	4	1	9	77459.0922	0.0273	0.020	0.0274	0.50
152:	10	7	3	1	10	10	6	4	1	10	77452.7044	-0.0305	0.020	-0.0308	0.50
153:	10	7	4	1	10	10	6	5	1	10	77452.7044	-0.0311	0.020	-0.0308	0.50
154:	8	7	1	1	8	8	6	2	1	8	77463.2640	0.0259	0.020	0.0260	0.50
155:	8	7	2	1	8	8	6	3	1	8	77463.2640	0.0259	0.020	0.0260	0.50
156/	38	3	36	1	38	38	2	37	1	38	77499.0446	-0.0845	0.025		
157:	23	5	18	1	23	22	5	17	1	22	77537.5039	0.0007	0.025		
158:	45	5	41	1	45	45	4	42	1	45	77754.3977	-0.0096	0.025		
159:	42	3	39	1	42	42	2	40	1	42	77770.3123	-0.0185	0.025		
160:	24	2	23	1	24	23	2	22	1	23	78082.9625	-0.0079	0.025		
161:	23	2	21	1	23	22	2	20	1	22	78196.0353	0.0020	0.025		
162:	23	4	19	1	23	22	4	18	1	22	78328.0372	0.0251	0.025		
163:	24	1	23	1	24	23	1	22	1	23	78349.1141	-0.0003	0.025		
164:	11	4	7	1	11	10	3	8	1	10	78533.5468	0.0087	0.025		
165:	25	0	25	1	25	24	1	24	1	24	78854.1483	-0.0022	0.025		
166:	25	1	25	1	25	24	1	24	1	24	78876.7943	-0.0117	0.025		
167:	25	0	25	1	25	24	0	24	1	24	78885.6920	-0.0078	0.025		
168:	25	1	25	1	25	24	0	24	1	24	78908.3536	-0.0017	0.025		
169:	24	2	23	1	24	23	1	22	1	23	79228.7043	-0.0580	0.025		
170:	23	3	20	1	23	22	3	19	1	22	79326.6981	0.0036	0.025		
171/	18	3	16	1	18	17	2	15	1	17	79324.5139	-0.0907	0.025		
172:	39	2	37	1	39	39	1	38	1	39	79698.9678	-0.0178	0.025		
173:	24	3	22	1	24	23	3	21	1	23	79922.0642	0.0469	0.025		
174:	24	14	10	1	24	23	14	9	1	23	80381.9802	-0.0191	0.025	-0.0191	0.50
175:	24	14	11	1	24	23	14	10	1	23	80381.9802	-0.0191	0.025	-0.0191	0.50
176:	24	13	11	1	24	23	13	10	1	23	80382.2956	0.0032	0.025	0.0032	0.50
177:	24	13	12	1	24	23	13	11	1	23	80382.2956	0.0032	0.025	0.0032	0.50
178:	24	15	10	1	24	23	15	9	1	23	80385.1972	0.0365	0.025	0.0366	0.50
179:	24	15	9	1	24	23	15	8	1	23	80385.1972	0.0365	0.025	0.0366	0.50
180:	23	8	15	1	23	23	7	16	1	23	89006.1423	-0.0408	0.025		
181:	23	8	16	1	23	23	7	17	1	23	89006.8321	0.0643	0.025		
182:	24	12	12	1	24	23	12	11	1	23	80386.9180	-0.0211	0.025	-0.0211	0.50
183:	24	12	13	1	24	23	12	12	1	23	80386.9180	-0.0211	0.025	-0.0211	0.50
184:	24	16	8	1	24	23	16	7	1	23	80391.1781	0.0273	0.025	0.0273	0.50
185:	24	16	9	1	24	23	16	8	1	23	80391.1781	0.0273	0.025	0.0273	0.50
186:	24	11	13	1	24	23	11	12	1	23	80397.2625	-0.0110	0.025	-0.0111	0.50
187:	24	11	14	1	24	23	11	13	1	23	80397.2625	-0.0110	0.025	-0.0111	0.50
188:	24	17	7	1	24	23	17	6	1	23	80399.5743	0.0517	0.025	0.0518	0.50
189:	24	17	8	1	24	23	17	7	1	23	80399.5743	0.0517	0.025	0.0518	0.50
190:	24	18	6	1	24	23	18	5	1	23	80409.9692	0.0204	0.025	0.0205	0.50
191:	24	18	7	1	24	23	18	6	1	23	80409.9692	0.0204	0.025	0.0205	0.50
192:	24	10	14	1	24	23	10	13	1	23	80415.3551	0.0064	0.025	0.0064	0.50
193:	24	10	15	1	24	23	10	14	1	23	80415.3551	0.0064	0.025	0.0064	0.50
194:	24	19	6	1	24	23	19	5	1	23	80422.1992	0.0146	0.025	0.0146	0.50
195:	24	19	5	1	24	23	19	4	1	23	80422.1992	0.0146	0.025	0.0146	0.50
196:	24	20	4	1	24	23	20	3	1	23	80436.0926	0.0490	0.025	0.0491	0.50
197:	24	20	5	1	24	23	20	4	1	23	80436.0926	0.0490	0.025	0.0491	0.50
198:	24	9	16	1	24	23	9	15	1	23	80444.4888	0.0187	0.025	0.0186	0.50
199:	24	9	15	1	24	23	9	14	1	23	80444.4888	0.0184	0.025	0.0186	0.50
200:	24	8	17	1	24	23	8	16	1	23	80490.2860	0.0195	0.025	0.0121	0.50
201:	24	8	16	1	24	23	8	15	1	23	80490.2860	0.0047	0.025	0.0121	0.50
202:	24	7	18	1	24	23	7	17	1	23	80562.9511	0.0604	0.025		
203/	24	7	17	1	24	23	7	16	1	23	80563.2752	-0.1014	0.025		
204:	24	6	18	1	24	23	6	17	1	23	80689.9694	0.0079	0.025		
205:	24	4	21	1	24	23	4	20	1	23	80773.4696	0.0144	0.025		
206:	24	5	20	1	24	23	5	19	1	23	80829.2513	-0.0094	0.025		
207:	24	5	19	1	24	23	5	18	1	23	80986.7435	-0.0666	0.025		
208:	33	4	29	1	33	32	5	28	1	32	81091.9324	-0.0547	0.025		
209:	25	2	24	1	25	24	2	23	1	24	81210.5215	-0.0206	0.025		
210:	43	4	40	1	43	43	3	41	1	43	81327.2332	-0.0084	0.025		
211:	24	2	22	1	24	23	2	21	1	23	81327.8092	0.0051	0.025		
212:	25	1	24	1	25	24	1	23	1	24	81419.6515	-0.0027	0.025		
213:	12	4	9	1	12	11	3	8	1	11	81506.9812	-0.0113	0.025		
214:	12	4	8	1	12	11	3	9	1	11	81900.3314	-0.0156	0.025		
215:	24	4	20	1	24	23	4	19	1	23	81915.0595	-0.0013	0.025		
216:	26	0	26	1	26	25	1	25	1	25	81966.4579	-0.0035	0.025		
217:	26	1	26	1	26	25	1	25	1	25	81982.6862	-0.0027	0.025		
218:	26	0	26	1	26	25	0	25	1	25	81989.1095	-0.0074	0.025		
219:	26	1	26	1	26	25	0	25	1	25	82005.3286	-0.0158	0.025		
220:	25	2	24	1	25	24	1	23	1	24	82090.1956	0.0055	0.025		
221:	40	2	38	1	40	40	1	39	1	40	82158.8368	0.0001	0.025		
222:	24	3	21	1	24	23	3	20	1	23	82785.2615	0.0121	0.025		
223:	25	3	23	1	25	24	3	22	1	24	83140.4372	-0.0054	0.025		
224:	25	14	11	1	25	24	14	10	1	24	83734.1080	-0.0069	0.025	-0.0069	0.50
225:	25	14	12	1	25	24	14	11	1	24	83734.1080	-0.0069	0.025	-0.0069	0.50
226:	25	13	12	1	25	24	13	11	1	24	83735.5712	0.0045	0.025	0.0046	0.50
227:	25	13	13	1	25	24	13	12	1	24	83735.5712	0.0045	0.025	0.0046	0.50
228:	25	15	10	1	25	24	15	9	1	24	83736.4960	0.0097	0.025	0.0097	0.50
229:	25	15	11	1	25	24	15	10	1	24	83736.4960	0.0097	0.025	0.0097	0.50
230:	25	12	13	1	25	24	12	12	1	24	83741.8778	0.0196	0.025	0.0196	0.50
231:	25	12	14	1	25	24	12	13	1	24	83741.8778	0.0196	0.025	0.0196	0.50

232:	25	17	8	1	25	24	17	7	1	24	83750.0643	-0.0080	0.025	-0.0081	0.50
233:	25	17	9	1	25	24	17	8	1	24	83750.0643	-0.0080	0.025	-0.0081	0.50
234:	25	11	14	1	25	24	11	13	1	24	83754.4956	-0.0034	0.025	-0.0034	0.50
235:	25	11	15	1	25	24	11	14	1	24	83754.4956	-0.0034	0.025	-0.0034	0.50
236:	25	18	8	1	25	24	18	7	1	24	83760.4161	0.0031	0.025	0.0032	0.50
237:	25	18	7	1	25	24	18	6	1	24	83760.4161	0.0031	0.025	0.0032	0.50
238:	25	10	15	1	25	24	10	14	1	24	83775.7952	-0.0196	0.025	-0.0196	0.50
239:	25	10	16	1	25	24	10	15	1	24	83775.7952	-0.0195	0.025	-0.0196	0.50
240:	25	9	17	1	25	24	9	16	1	24	83809.5640	0.0078	0.025	0.0075	0.50
241:	25	9	16	1	25	24	9	15	1	24	83809.5640	0.0071	0.025	0.0075	0.50
242:	26	1	25	1	26	25	2	24	1	25	83824.9658	0.0089	0.025		
243:	25	8	18	1	25	24	8	17	1	24	83862.1349	0.0118	0.025	-0.0021	0.50
244:	25	8	17	1	25	24	8	16	1	24	83862.1349	-0.0159	0.025	-0.0021	0.50
245:	47	8	40	1	47	47	7	41	1	47	84093.6882	-0.0252	0.025		
246:	44	8	37	1	44	44	7	38	1	44	84736.8082	-0.0304	0.025		
247:	40	8	32	1	40	40	7	33	1	40	84932.3890	-0.0280	0.025		
248:	41	8	34	1	41	41	7	35	1	41	85599.0618	-0.0257	0.025		
249:	27	0	27	1	27	26	1	26	1	26	85076.4484	0.0161	0.025		
250:	27	1	27	1	27	26	1	26	1	26	85088.0228	-0.0059	0.025		
251:	27	0	27	1	27	26	0	26	1	26	85092.6703	0.0104	0.025		
252:	27	1	27	1	27	26	0	26	1	26	85104.2405	-0.0158	0.025		
253:	25	4	21	1	25	24	4	20	1	24	85517.0226	0.0144	0.025		
254:	6	6	1	1	6	5	5	0	1	5	85636.1273	0.0307	0.025	0.0307	0.50
255:	6	6	0	1	6	5	5	1	1	5	85636.1273	0.0306	0.025	0.0307	0.50
256:	25	3	22	1	25	24	3	21	1	24	86206.2685	0.0094	0.025		
257:	26	3	24	1	26	25	3	23	1	25	86344.5397	-0.0064	0.025		
258:	26	14	12	1	26	25	14	11	1	25	87086.5532	-0.0194	0.025	-0.0194	0.50
259:	26	14	13	1	26	25	14	12	1	25	87086.5532	-0.0194	0.025	-0.0194	0.50
260:	26	15	11	1	26	25	15	10	1	25	87088.0152	-0.0266	0.025	-0.0266	0.50
261:	26	15	12	1	26	25	15	11	1	25	87088.0152	-0.0266	0.025	-0.0266	0.50
262:	26	13	13	1	26	25	13	12	1	25	87089.3197	-0.0030	0.025	-0.0030	0.50
263:	26	13	14	1	26	25	13	13	1	25	87089.3197	-0.0030	0.025	-0.0030	0.50
264:	26	12	14	1	26	25	12	13	1	25	87097.4496	0.0130	0.025	0.0130	0.50
265:	26	12	15	1	26	25	12	14	1	25	87097.4496	0.0130	0.025	0.0130	0.50
266:	26	11	15	1	26	25	11	14	1	25	87112.6181	0.0036	0.025	0.0036	0.50
267:	26	11	16	1	26	25	11	15	1	25	87112.6181	0.0036	0.025	0.0036	0.50
268:	26	10	17	1	26	25	10	16	1	25	87137.4554	-0.0240	0.025	-0.0240	0.50
269:	26	10	16	1	26	25	10	15	1	25	87137.4554	-0.0240	0.025	-0.0240	0.50
270:	26	9	18	1	26	25	9	17	1	25	87176.2705	0.0014	0.025	0.0008	0.50
271:	26	9	17	1	26	25	9	16	1	25	87176.2705	0.0001	0.025	0.0008	0.50
272:	26	8	19	1	26	25	8	18	1	25	87236.2592	0.0296	0.025	0.0044	0.50
273:	26	8	18	1	26	25	8	17	1	25	87236.2592	-0.0208	0.025	0.0044	0.50
274:	26	7	20	1	26	25	7	19	1	25	87330.2849	0.0041	0.025		
275:	26	7	19	1	26	25	7	18	1	25	87331.6515	-0.0113	0.025		
276:	20	8	12	1	20	20	7	13	1	20	89171.5541	0.0438	0.025	0.0026	0.50
277:	20	8	13	1	20	20	7	14	1	20	89171.5541	-0.0387	0.025	0.0026	0.50
278:	27	3	25	1	27	26	3	24	1	26	89534.9671	-0.0125	0.025		
279:	26	3	23	1	26	25	3	22	1	25	89586.5388	0.0101	0.025		
280:	28	1	27	1	28	27	2	26	1	27	90278.4503	-0.0048	0.025		
281:	27	14	14	1	27	26	14	13	1	26	90439.3929	0.0083	0.025	0.0084	0.50
282:	27	14	13	1	27	26	14	12	1	26	90439.3929	0.0083	0.025	0.0084	0.50
283:	27	15	12	1	27	26	15	11	1	26	90439.8333	-0.0017	0.025	-0.0018	0.50
284:	27	15	13	1	27	26	15	12	1	26	90439.8333	-0.0017	0.025	-0.0018	0.50
285:	27	13	14	1	27	26	13	13	1	26	90443.5751	-0.0032	0.025	-0.0033	0.50
286:	27	13	15	1	27	26	13	14	1	26	90443.5751	-0.0032	0.025	-0.0033	0.50
287:	27	16	11	1	27	26	16	10	1	26	90444.0383	-0.0012	0.025	-0.0013	0.50
288:	27	16	12	1	27	26	16	11	1	26	90444.0383	-0.0012	0.025	-0.0013	0.50
289:	27	17	10	1	27	26	17	9	1	26	90451.3684	0.0056	0.025	0.0056	0.50
290:	27	17	11	1	27	26	17	10	1	26	90451.3684	0.0056	0.025	0.0056	0.50
291:	27	12	15	1	27	26	12	14	1	26	90453.7013	0.0019	0.025	0.0019	0.50
292:	27	12	16	1	27	26	12	15	1	26	90453.7013	0.0019	0.025	0.0019	0.50
293:	27	18	9	1	27	26	18	8	1	26	90461.3442	0.0036	0.025	0.0036	0.50
294:	27	18	10	1	27	26	18	9	1	26	90461.3442	0.0036	0.025	0.0036	0.50
295:	27	11	16	1	27	26	11	15	1	26	90471.6590	0.0041	0.025	0.0042	0.50
296:	27	11	17	1	27	26	11	16	1	26	90471.6590	0.0041	0.025	0.0042	0.50
297:	27	19	8	1	27	26	19	7	1	26	90473.6263	-0.0005	0.025	-0.0005	0.50
298:	27	19	9	1	27	26	19	8	1	26	90473.6263	-0.0005	0.025	-0.0005	0.50
299:	27	20	7	1	27	26	20	6	1	26	90487.9472	-0.0107	0.025	-0.0108	0.50
300:	27	20	8	1	27	26	20	7	1	26	90487.9472	-0.0107	0.025	-0.0108	0.50
301:	27	10	18	1	27	26	10	17	1	26	90500.3944	0.0031	0.025	0.0032	0.50
302:	27	10	17	1	27	26	10	16	1	26	90500.3944	0.0031	0.025	0.0032	0.50
303:	27	21	6	1	27	26	21	5	1	26	90504.0989	-0.0312	0.025	-0.0313	0.50
304:	27	21	7	1	27	26	21	6	1	26	90504.0989	-0.0312	0.025	-0.0313	0.50
305:	27	22	5	1	27	26	22	4	1	26	90521.9956	0.0127	0.025	0.0127	0.50
306:	27	22	6	1	27	26	22	5	1	26	90521.9956	0.0127	0.025	0.0127	0.50
307:	27	2	25	1	27	26	2	24	1	26	90542.3408	0.0186	0.025		
308:	27	9	19	1	27	26	9	18	1	26	90544.6762	-0.0021	0.025	-0.0034	0.50
309:	27	9	18	1	27	26	9	17	1	26	90544.6762	-0.0047	0.025	-0.0034	0.50
310:	28	2	27	1	28	27	2	26	1	27	90565.2010	-0.0024	0.025		
311:	27	8	20	1	27	26	8	19	1	26	90612.7450	0.0571	0.025	0.0123	0.50
312:	27	8	19	1	27	26	8	18	1	26	90612.7450	-0.0325	0.025	0.0123	0.50
313:	28	1	27	1	28	27	1	26	1	27	90661.0476	-0.0023	0.025		
314:	27	7	21	1	27	26	7	20	1	26	90718.8354	0.0105	0.025		

315:	27	7	20	1	27	26	7	19	1	26	90721.0839	0.0048	0.025		
316:	27	4	24	1	27	26	4	23	1	26	90768.0324	0.0089	0.025		
317:	27	6	22	1	27	26	6	21	1	26	90880.0051	0.0135	0.025		
318:	27	6	21	1	27	26	6	20	1	26	90918.9794	-0.0045	0.025		
319:	27	6	21	1	27	26	6	20	1	26	90918.9823	-0.0016	0.025		
320:	28	2	27	1	28	27	1	26	1	27	90947.7934	-0.0048	0.025		
321:	41	1	40	1	41	41	0	41	1	41	92158.5865	0.0091	0.025		
322:	15	4	11	1	15	14	3	12	1	14	92188.1156	0.0158	0.025		
323:	8	6	3	1	8	7	5	2	1	7	92328.6675	0.0211	0.025	0.0202	0.50
324:	8	6	2	1	8	7	5	3	1	7	92328.6675	0.0193	0.025	0.0202	0.50
325:	28	3	26	1	28	27	3	25	1	27	92712.5797	0.0061	0.025		
326:	27	4	23	1	27	26	4	22	1	26	92732.8489	0.0343	0.025		
327:	27	3	24	1	27	26	3	23	1	26	92923.3205	0.0080	0.025		
328:	35	4	31	1	35	34	5	30	1	34	92985.0603	-0.0668	0.025		
329:	29	2	27	1	29	28	3	26	1	28	92942.3034	-0.0114	0.025		
330:	48	3	45	1	48	48	2	46	1	48	93209.5822	0.0065	0.025		
331:	16	4	13	1	16	15	3	12	1	15	93409.0557	0.0459	0.025		
332:	29	1	28	1	29	28	2	27	1	28	93462.6530	-0.0066	0.025		
333:	28	2	26	1	28	27	2	25	1	27	93578.5818	-0.0078	0.025		
334:	29	2	28	1	29	28	2	27	1	28	93676.5932	-0.0117	0.025		
335:	12	5	8	1	12	11	4	7	1	11	93740.9104	-0.0570	0.025		
336:	29	1	28	1	29	28	1	27	1	28	93749.3862	-0.0217	0.025		
337:	12	5	7	1	12	11	4	8	1	11	93753.8343	0.0003	0.025		
338:	28	15	13	1	28	27	15	12	1	27	93791.8843	0.0107	0.025	0.0107	0.50
339:	28	15	14	1	28	27	15	13	1	27	93791.8843	0.0107	0.025	0.0107	0.50
340:	28	14	15	1	28	27	14	14	1	27	93792.5850	0.0223	0.025	0.0224	0.50
341:	28	14	14	1	28	27	14	13	1	27	93792.5850	0.0223	0.025	0.0224	0.50
342:	28	16	12	1	28	27	16	11	1	27	93795.2962	0.0054	0.025	0.0055	0.50
343:	28	16	13	1	28	27	16	12	1	27	93795.2962	0.0054	0.025	0.0055	0.50
344:	28	13	15	1	28	27	13	14	1	27	93798.3520	0.0007	0.025	0.0008	0.50
345:	28	13	16	1	28	27	13	15	1	27	93798.3520	0.0007	0.025	0.0008	0.50
346:	28	17	11	1	28	27	17	10	1	27	93802.1036	-0.0021	0.025	-0.0022	0.50
347:	28	17	12	1	28	27	17	11	1	27	93802.1036	-0.0021	0.025	-0.0022	0.50
348:	28	12	16	1	28	27	12	15	1	27	93810.6718	0.0003	0.025	0.0004	0.50
349:	28	12	17	1	28	27	12	16	1	27	93810.6718	0.0003	0.025	0.0004	0.50
350:	28	18	11	1	28	27	18	10	1	27	93811.7909	-0.0107	0.025	-0.0108	0.50
351:	28	18	10	1	28	27	18	9	1	27	93811.7909	-0.0107	0.025	-0.0108	0.50
352:	28	19	9	1	28	27	19	8	1	27	93823.9964	0.0035	0.025	0.0035	0.50
353:	28	19	10	1	28	27	19	9	1	27	93823.9964	0.0035	0.025	0.0035	0.50
354:	28	11	17	1	28	27	11	16	1	27	93831.6414	-0.0135	0.025	-0.0136	0.50
355:	28	11	18	1	28	27	11	17	1	27	93831.6414	-0.0135	0.025	-0.0136	0.50
356:	28	20	8	1	28	27	20	7	1	27	93838.3903	0.0039	0.025	0.0040	0.50
357:	28	20	9	1	28	27	20	8	1	27	93838.3903	0.0039	0.025	0.0040	0.50
358:	28	21	7	1	28	27	21	6	1	27	93854.7668	0.0116	0.025	0.0116	0.50
359:	28	21	8	1	28	27	21	7	1	27	93854.7668	0.0116	0.025	0.0116	0.50
360:	28	10	19	1	28	27	10	18	1	27	93864.6146	0.0150	0.025	0.0150	0.50
361:	28	10	18	1	28	27	10	17	1	27	93864.6146	0.0149	0.025	0.0150	0.50
362:	28	22	6	1	28	27	22	5	1	27	93872.9266	0.0053	0.025	0.0053	0.50
363:	28	22	7	1	28	27	22	6	1	27	93872.9266	0.0053	0.025	0.0053	0.50
364:	28	23	5	1	28	27	23	4	1	27	93892.7430	0.0008	0.025	0.0008	0.50
365:	28	23	6	1	28	27	23	5	1	27	93892.7430	0.0008	0.025	0.0008	0.50
366:	28	24	4	1	28	27	24	3	1	27	93914.1153	0.0127	0.025	0.0127	0.50
367:	28	24	5	1	28	27	24	4	1	27	93914.1153	0.0127	0.025	0.0127	0.50
368:	28	9	20	1	28	27	9	19	1	27	93914.8596	0.0044	0.025	0.0020	0.50
369:	28	9	19	1	28	27	9	18	1	27	93914.8596	-0.0004	0.025	0.0020	0.50
370:	29	2	28	1	29	28	1	27	1	28	93963.3556	0.0022	0.025		
371:	28	8	21	1	28	27	8	20	1	27	93991.6781	0.0756	0.025	-0.0021	0.50
372:	28	8	20	1	28	27	8	19	1	27	93991.6781	-0.0798	0.025	-0.0021	0.50
373:	28	4	25	1	28	27	4	24	1	27	94072.1520	0.0027	0.025		
374:	28	7	22	1	28	27	7	21	1	27	94110.7692	0.0153	0.025		
375:	28	7	21	1	28	27	7	20	1	27	94114.3584	0.0012	0.025		
376:	28	6	23	1	28	27	6	22	1	27	94287.1783	-0.0035	0.025		
377:	45	2	43	1	45	45	1	44	1	45	94321.3067	0.0273	0.025		
378:	52	5	48	1	52	52	4	49	1	52	94324.2067	0.0546	0.025		
379:	28	6	22	1	28	27	6	21	1	27	94344.4661	0.0261	0.025		
380:	30	0	30	1	30	29	1	29	1	29	94397.1888	-0.0108	0.025		
381:	30	1	30	1	30	29	1	29	1	29	94401.3784	-0.0029	0.025		
382:	30	0	30	1	30	29	0	29	1	29	94403.0945	0.0090	0.025		
383:	30	1	30	1	30	29	0	29	1	29	94407.2610	-0.0061	0.025		
384:	28	5	24	1	28	27	5	23	1	27	94427.5012	0.0065	0.025		
385:	42	1	41	1	42	42	0	42	1	42	94545.6342	0.0451	0.025		
386:	53	9	45	1	53	53	8	46	1	53	94578.3557	-0.0287	0.025		
387:	52	9	44	1	52	52	8	45	1	52	94890.1052	-0.0225	0.025		
388:	28	5	23	1	28	27	5	22	1	27	94976.5305	0.0156	0.025		
389:	51	9	43	1	51	51	8	44	1	51	95226.9906	-0.0295	0.025		
390:	50	9	42	1	50	50	8	43	1	50	95580.5327	-0.0266	0.025		
391:	9	6	3	1	9	8	5	4	1	8	95673.7850	0.0120	0.025		
392:	16	4	12	1	16	15	3	13	1	15	95731.7046	-0.0004	0.025		
393:	29	3	27	1	29	28	3	26	1	28	95878.2909	-0.0080	0.025		
394:	49	9	41	1	49	49	8	42	1	49	95943.1789	-0.0356	0.025		
395:	28	3	25	1	28	27	3	24	1	27	96214.3799	-0.0101	0.025		
396:	48	9	40	1	48	48	8	41	1	48	96308.4532	-0.0176	0.025		
397:	28	4	24	1	28	27	4	23	1	27	96328.0464	0.0147	0.025		

398:	46	9	37	1	46	46	8	38	1	46	96351.1216	-0.0035	0.025			
399:	29	2	27	1	29	28	2	26	1	28	96609.4918	-0.0067	0.025			
400:	30	1	29	1	30	29	2	28	1	29	96626.6185	-0.0097	0.025			
401:	32	3	29	1	32	31	4	28	1	31	96661.2653	-0.0730	0.025			
402:	30	2	28	1	30	29	3	27	1	29	96704.5941	-0.0048	0.025			
403:	46	3	44	1	46	46	2	45	1	46	96761.7715	-0.0354	0.025			
404:	30	2	29	1	30	29	2	28	1	29	96785.6073	0.0026	0.025			
405:	30	1	29	1	30	29	1	28	1	29	96840.5739	0.0003	0.025			
406:	45	9	36	1	45	45	8	37	1	45	96877.3539	-0.0328	0.025			
407:	43	2	42	1	43	43	1	43	1	43	96933.6018	-0.0619	0.025	-0.0620	0.50	
408:	43	2	42	1	43	43	1	43	1	43	96933.6018	-0.0619	0.025	-0.0620	0.50	
409:	30	2	29	1	30	29	1	28	1	29	96999.5556	0.0055	0.025			
410:	46	9	38	1	46	46	8	39	1	46	97025.7328	-0.0570	0.025			
411:	13	5	9	1	13	12	4	8	1	12	97051.6673	-0.0303	0.025			
412:	13	5	8	1	13	12	4	9	1	12	97077.4668	0.0346	0.025			
413:	29	15	14	1	29	28	15	13	1	28	97144.1645	-0.0003	0.025	-0.0003	0.50	
414:	29	15	15	1	29	28	15	14	1	28	97144.1645	-0.0003	0.025	-0.0003	0.50	
415:	29	14	15	1	29	28	14	14	1	28	97146.1283	0.0094	0.025	0.0095	0.50	
416:	29	14	16	1	29	28	14	15	1	28	97146.1283	0.0094	0.025	0.0095	0.50	
417:	29	16	13	1	29	28	16	12	1	28	97146.6945	0.0019	0.025	0.0019	0.50	
418:	29	16	14	1	29	28	16	13	1	28	97146.6945	0.0019	0.025	0.0019	0.50	
419:	29	17	13	1	29	28	17	12	1	28	97152.9204	0.0050	0.025	0.0050	0.50	
420:	29	17	12	1	29	28	17	11	1	28	97152.9204	0.0050	0.025	0.0050	0.50	
421:	29	13	16	1	29	28	13	15	1	28	97153.6434	-0.0153	0.025	-0.0154	0.50	
422:	29	13	17	1	29	28	13	16	1	28	97153.6434	-0.0153	0.025	-0.0154	0.50	
423:	29	18	11	1	29	28	18	10	1	28	97162.2591	0.0000	0.025	0.0000	0.50	
424:	29	18	12	1	29	28	18	11	1	28	97162.2591	0.0000	0.025	0.0000	0.50	
425:	29	12	17	1	29	28	12	16	1	28	97168.3747	-0.0031	0.025	-0.0032	0.50	
426:	29	12	18	1	29	28	12	17	1	28	97168.3747	-0.0031	0.025	-0.0032	0.50	
427:	29	19	10	1	29	28	19	9	1	28	97174.3027	0.0065	0.025	0.0066	0.50	
428:	29	19	11	1	29	28	19	10	1	28	97174.3027	0.0065	0.025	0.0066	0.50	
429:	29	20	9	1	29	28	20	8	1	28	97188.6940	-0.0073	0.025	-0.0073	0.50	
430:	29	20	10	1	29	28	20	9	1	28	97188.6940	-0.0073	0.025	-0.0073	0.50	
431:	29	11	18	1	29	28	11	17	1	28	97192.6455	-0.0046	0.025	-0.0047	0.50	
432:	29	11	19	1	29	28	11	18	1	28	97192.6455	-0.0046	0.025	-0.0047	0.50	
433:	29	21	8	1	29	28	21	7	1	28	97205.2370	0.0133	0.025	0.0134	0.50	
434:	29	21	9	1	29	28	21	8	1	28	97205.2370	0.0133	0.025	0.0134	0.50	
435:	29	22	7	1	29	28	22	6	1	28	97223.6893	0.0236	0.025	0.0236	0.50	
436:	29	22	8	1	29	28	22	7	1	28	97223.6893	0.0236	0.025	0.0236	0.50	
437:	29	10	20	1	29	28	10	19	1	28	97230.1615	0.0072	0.025	0.0071	0.50	
438:	29	10	19	1	29	28	10	18	1	28	97230.1615	0.0070	0.025	0.0071	0.50	
439:	29	23	6	1	29	28	23	5	1	28	97243.8711	0.0011	0.025	0.0011	0.50	
440:	29	23	7	1	29	28	23	6	1	28	97243.8711	0.0011	0.025	0.0011	0.50	
441:	29	24	5	1	29	28	24	4	1	28	97265.7107	0.0014	0.025	0.0014	0.50	
442:	29	24	6	1	29	28	24	5	1	28	97265.7107	0.0014	0.025	0.0014	0.50	
443:	29	9	21	1	29	28	9	20	1	28	97286.9152	0.0429	0.025	0.0384	0.50	
444:	29	9	20	1	29	28	9	19	1	28	97286.9152	0.0339	0.025	0.0384	0.50	
445:	29	25	4	1	29	28	25	3	1	28	97289.0904	0.0113	0.025	0.0114	0.50	
446:	29	25	5	1	29	28	25	4	1	28	97289.0904	0.0113	0.025	0.0114	0.50	
447:	44	9	35	1	44	44	8	36	1	44	97344.3996	-0.0314	0.025			
448:	29	4	26	1	29	28	4	25	1	28	97361.0607	-0.0016	0.025			
449:	45	9	37	1	45	45	8	38	1	45	97369.8052	0.0451	0.025			
450:	29	8	22	1	29	28	8	21	1	28	97373.2118	0.1320	0.025	0.0001	0.50	
451:	29	8	21	1	29	28	8	20	1	28	97373.2118	-0.1318	0.025	0.0001	0.50	
452:	31	0	31	1	31	30	1	30	1	30	97502.0673	-0.0234	0.025			
453:	31	1	31	1	31	30	1	30	1	30	97505.0389	-0.0180	0.025			
454:	31	0	31	1	31	30	0	30	1	30	97506.2263	-0.0461	0.025	0.0094	0.50	
455:	29	7	23	1	29	28	7	22	1	28	97506.2263	0.0649	0.025	0.0094	0.50	
456:	31	1	31	1	31	30	0	30	1	30	97509.2347	-0.0039	0.025			
457:	29	7	22	1	29	28	7	21	1	28	97511.8098	-0.0034	0.025			
458:	29	6	24	1	29	28	6	23	1	28	97697.2346	0.0112	0.025			
459:	44	9	36	1	44	44	8	37	1	44	97699.9910	-0.0124	0.025			
460:	43	9	34	1	43	43	8	35	1	43	97760.4534	-0.0251	0.025			
461:	29	6	23	1	29	28	6	22	1	28	97779.8900	0.0237	0.025			
462:	29	5	25	1	29	28	5	24	1	28	97818.0733	0.0125	0.025			
463:	43	9	35	1	43	43	8	36	1	43	98014.5166	-0.0120	0.025			
464:	42	9	33	1	42	42	8	34	1	42	98132.4308	-0.0149	0.025			
465:	42	9	34	1	42	42	8	35	1	42	98311.9674	-0.0241	0.025			
466:	41	9	32	1	41	41	8	33	1	41	98466.1169	0.0052	0.025			
467:	29	5	24	1	29	28	5	23	1	28	98532.7627	0.0073	0.025			
468:	41	9	33	1	41	41	8	34	1	41	98591.5661	-0.0270	0.025			
469:	40	9	31	1	40	40	8	32	1	40	98766.2756	-0.0119	0.025			
470:	40	9	32	1	40	40	8	33	1	40	98852.9431	-0.0391	0.025			
471:	30	3	28	1	30	29	3	27	1	29	99033.2207	-0.0043	0.025			
472:	39	9	30	1	39	39	8	31	1	39	99037.0030	0.0278	0.025			
473:	39	9	31	1	39	39	8	32	1	39	99096.1290	-0.0368	0.025			
474:	38	9	29	1	38	38	8	30	1	38	99281.5341	0.0239	0.025			
475:	38	9	30	1	38	38	8	31	1	38	99321.3630	-0.0658	0.025			
476:	17	4	13	1	17	16	3	14	1	16	99367.9154	-0.0292	0.025			
477:	29	3	26	1	29	28	3	25	1	28	99458.3532	0.0104	0.025			
478:	37	9	28	1	37	37	8	29	1	37	99502.7178	0.0326	0.025			
479:	29	3	27	1	29	28	2	26	1	28	99545.5486	0.0659	0.025			
480:	30	2	28	1	30	29	2	27	1	29	99640.5764	-0.0066	0.025			

481:	36	9	27	1	36	36	8	28	1	36	99702.9226	0.0677	0.025			
482:	31	1	30	1	31	30	2	29	1	30	99774.9592	-0.0066	0.025			
483:	29	4	25	1	29	28	4	24	1	28	99902.7595	0.0053	0.025			
484:	31	1	30	1	31	30	1	29	1	30	99933.9344	-0.0078	0.025			
485:	31	2	30	1	31	30	1	29	1	30	100051.6353	-0.0006	0.025			
486:	30	17	14	1	30	29	17	13	1	29	100503.7817	-0.0107	0.025	-0.0107	0.50	
487:	30	17	13	1	30	29	17	12	1	29	100503.7817	-0.0107	0.025	-0.0107	0.50	
488:	30	13	17	1	30	29	13	16	1	29	100509.5308	0.0122	0.025	0.0122	0.50	
489:	30	13	18	1	30	29	13	17	1	29	100509.5308	0.0122	0.025	0.0122	0.50	
490:	30	18	12	1	30	29	18	11	1	29	100512.7234	0.0119	0.025	0.0120	0.50	
491:	30	18	13	1	30	29	18	12	1	29	100512.7234	0.0119	0.025	0.0120	0.50	
492:	30	12	18	1	30	29	12	17	1	29	100526.8301	-0.0136	0.025	-0.0136	0.50	
493:	30	12	19	1	30	29	12	18	1	29	100526.8301	-0.0136	0.025	-0.0136	0.50	
494:	30	20	10	1	30	29	20	9	1	29	100538.9134	0.0154	0.025	0.0155	0.50	
495:	30	20	11	1	30	29	20	10	1	29	100538.9134	0.0154	0.025	0.0155	0.50	
496:	30	11	19	1	30	29	11	18	1	29	100554.6893	0.0133	0.025	0.0134	0.50	
497:	30	11	20	1	30	29	11	19	1	29	100554.6893	0.0133	0.025	0.0134	0.50	
498:	30	21	10	1	30	29	21	9	1	29	100555.5403	0.0114	0.025	0.0114	0.50	
499:	30	21	9	1	30	29	21	8	1	29	100555.5403	0.0114	0.025	0.0114	0.50	
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501:	30	9	22	1	30	30	8	23	1	30	100559.2013	0.0679	0.025			
502:	30	22	8	1	30	29	22	7	1	29	100574.2422	0.0339	0.025	0.0340	0.50	
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504:	30	23	7	1	30	29	23	6	1	29	100594.7926	0.0302	0.025	0.0302	0.50	
505:	30	23	8	1	30	29	23	7	1	29	100594.7926	0.0302	0.025	0.0302	0.50	
506:	30	10	21	1	30	29	10	20	1	29	100597.1104	0.0041	0.025	0.0039	0.50	
507:	30	10	20	1	30	29	10	19	1	29	100597.1104	0.0037	0.025	0.0039	0.50	
508:	32	0	32	1	32	31	1	31	1	31	100606.2806	0.0078	0.025			
509:	32	1	32	1	32	31	1	31	1	31	100608.3669	-0.0066	0.025			
510:	32	0	32	1	32	31	0	31	1	31	100609.2203	-0.0185	0.025			
511:	32	1	32	1	32	31	0	31	1	31	100611.3320	-0.0077	0.025			
512:	30	24	6	1	30	29	24	5	1	29	100617.0639	0.0127	0.025	0.0128	0.50	
513:	30	24	7	1	30	29	24	6	1	29	100617.0639	0.0127	0.025	0.0128	0.50	
514:	30	4	27	1	30	29	4	26	1	29	100634.2170	-0.0011	0.025			
515:	29	9	20	1	29	29	8	21	1	29	100654.9962	0.0377	0.025			
516:	29	9	21	1	29	29	8	22	1	29	100655.5517	-0.0048	0.025			
517:	30	9	22	1	30	29	9	21	1	29	100660.8216	0.0172	0.025	0.0092	0.50	
518:	30	9	21	1	30	29	9	20	1	29	100660.8216	0.0011	0.025	0.0092	0.50	
519:	30	8	23	1	30	29	8	22	1	29	100757.2512	0.0236	0.025			
520:	30	8	22	1	30	29	8	21	1	29	100757.6315	-0.0352	0.025			
521:	26	9	17	1	26	26	8	18	1	26	100886.4524	0.0370	0.025	-0.0157	0.50	
522:	26	9	18	1	26	26	8	19	1	26	100886.4524	-0.0685	0.025	-0.0157	0.50	
523:	7	7	0	1	7	6	6	1	1	6	100888.8495	-0.0233	0.025	-0.0233	0.50	
524:	7	7	1	1	7	6	6	0	1	6	100888.8495	-0.0233	0.025	-0.0233	0.50	
525:	30	7	24	1	30	29	7	23	1	29	100905.1532	0.0375	0.025			
526:	30	7	23	1	30	29	7	22	1	29	100913.8596	0.0347	0.025			
527:	25	9	16	1	25	25	8	17	1	25	100946.4710	0.0459	0.025	0.0178	0.50	
528:	25	9	17	1	25	25	8	18	1	25	100946.4710	-0.0104	0.025	0.0178	0.50	
529:	24	9	15	1	24	24	8	16	1	24	100999.0653	0.0461	0.025	0.0316	0.50	
530:	24	9	16	1	24	24	8	17	1	24	100999.0653	0.0169	0.025	0.0316	0.50	
531:	23	9	14	1	23	23	8	15	1	23	101044.8395	0.0094	0.025	0.0021	0.50	
532:	23	9	15	1	23	23	8	16	1	23	101044.8395	-0.0052	0.025	0.0021	0.50	
533:	22	9	13	1	22	22	8	14	1	22	101084.4842	0.0293	0.025	0.0257	0.50	
534:	22	9	14	1	22	22	8	15	1	22	101084.4842	0.0221	0.025	0.0257	0.50	
535:	30	6	25	1	30	29	6	24	1	29	101109.5271	-0.0352	0.025			
536:	21	9	12	1	21	21	8	13	1	21	101118.4917	0.0336	0.025	0.0320	0.50	
537:	21	9	13	1	21	21	8	14	1	21	101118.4917	0.0303	0.025	0.0320	0.50	
538:	20	9	11	1	20	20	8	12	1	20	101147.3788	0.0058	0.025	0.0050	0.50	
539:	20	9	12	1	20	20	8	13	1	20	101147.3788	0.0042	0.025	0.0050	0.50	
540:	19	9	10	1	19	19	8	11	1	19	101171.7316	0.0273	0.025	0.0270	0.50	
541:	19	9	11	1	19	19	8	12	1	19	101171.7316	0.0266	0.025	0.0270	0.50	
542:	18	9	9	1	18	18	8	10	1	18	101191.9320	0.0033	0.025	0.0032	0.50	
543:	18	9	10	1	18	18	8	11	1	18	101191.9320	0.0031	0.025	0.0032	0.50	
544:	30	5	26	1	30	29	5	25	1	29	101201.8341	0.0063	0.025			
545:	17	9	8	1	17	17	8	9	1	17	101208.5037	0.0076	0.025	0.0076	0.50	
546:	17	9	9	1	17	17	8	10	1	17	101208.5037	0.0075	0.025	0.0076	0.50	
547:	16	9	7	1	16	16	8	8	1	16	101221.8268	-0.0037	0.025	-0.0037	0.50	
548:	16	9	8	1	16	16	8	9	1	16	101221.8268	-0.0037	0.025	-0.0037	0.50	
549:	30	6	24	1	30	29	6	23	1	29	101226.9113	0.0235	0.025			
550:	15	9	6	1	15	15	8	7	1	15	101232.3262	-0.0048	0.025	-0.0049	0.50	
551:	15	9	7	1	15	15	8	8	1	15	101232.3262	-0.0049	0.025	-0.0049	0.50	
552:	14	9	5	1	14	14	8	6	1	14	101240.3687	-0.0032	0.025	-0.0032	0.50	
553:	14	9	6	1	14	14	8	7	1	14	101240.3687	-0.0032	0.025	-0.0032	0.50	
554:	13	9	4	1	13	13	8	5	1	13	101246.2936	-0.0093	0.025	-0.0094	0.50	
555:	13	9	5	1	13	13	8	6	1	13	101246.2936	-0.0093	0.025	-0.0094	0.50	
556:	12	9	3	1	12	12	8	4	1	12	101250.5101	0.0597	0.025	0.0598	0.50	
557:	12	9	4	1	12	12	8	5	1	12	101250.5101	0.0597	0.025	0.0598	0.50	
558:	11	9	2	1	11	11	8	3	1	11	101253.1107	-0.0056	0.025	-0.0057	0.50	
559:	11	9	3	1	11	11	8	4	1	11	101253.1107	-0.0056	0.025	-0.0057	0.50	
560:	10	9	1	1	10	10	8	2	1	10	101254.5618	-0.0183	0.025	-0.0183	0.50	
561:	10	9	2	1	10	10	8	3	1	10	101254.5618	-0.0183	0.025	-0.0183	0.50	
562:	30	3	28	1	30	29	2	27	1	29	101969.2453	0.0361	0.025			
563:	30	5	25	1	30	29	5	24	1	29	102114.1824	0.0005	0.025			

564:	31	3	29	1	31	30	3	28	1	30	102178.4800	0.0038	0.025		
565:	11	6	6	1	11	10	5	5	1	10	102358.9475	0.0367	0.025	-0.0044	0.50
566:	11	6	5	1	11	10	5	6	1	10	102358.9475	-0.0456	0.025	-0.0044	0.50
567:	30	3	27	1	30	29	3	26	1	29	102654.9793	0.0035	0.025		
568:	31	2	29	1	31	30	2	28	1	30	102675.6806	0.0042	0.025		
569:	32	1	31	1	32	31	2	30	1	31	102911.3123	0.0092	0.025		
570:	32	2	31	1	32	31	2	30	1	31	102998.1380	-0.0020	0.025		
571:	32	1	31	1	32	31	1	30	1	31	103028.9909	-0.0057	0.025		
572:	32	2	31	1	32	31	1	30	1	31	103115.8260	-0.0076	0.025		
573:	18	4	14	1	18	17	3	15	1	17	103124.2093	-0.0481	0.025		
574:	30	4	26	1	30	29	4	25	1	29	103449.3052	0.0076	0.025		
575:	15	5	11	1	15	14	4	10	1	14	103621.9662	0.0487	0.025		
576:	15	5	10	1	15	14	4	11	1	14	103709.1649	0.0196	0.025		
577:	33	0	33	1	33	32	1	32	1	32	103709.8233	-0.0282	0.025		
578:	33	1	33	1	33	32	1	32	1	32	103711.3297	-0.0076	0.025		
579:	33	0	33	1	33	32	0	32	1	32	103711.9425	-0.0098	0.025		
580:	33	1	33	1	33	32	0	32	1	32	103713.4383	0.0001	0.025		
581:	31	15	16	1	31	30	15	15	1	30	103849.5157	-0.0190	0.025	-0.0191	0.50
582:	31	15	17	1	31	30	15	16	1	30	103849.5157	-0.0190	0.025	-0.0191	0.50
583:	31	16	15	1	31	30	16	14	1	30	103850.0032	0.0396	0.025	0.0396	0.50
584:	31	16	16	1	31	30	16	15	1	30	103850.0032	0.0396	0.025	0.0396	0.50
585:	31	14	17	1	31	30	14	16	1	30	103854.4475	0.0349	0.025	0.0349	0.50
586:	31	14	18	1	31	30	14	17	1	30	103854.4475	0.0349	0.025	0.0349	0.50
587:	31	17	15	1	31	30	17	14	1	30	103854.7254	-0.0124	0.025	-0.0124	0.50
588:	31	17	14	1	31	30	17	13	1	30	103854.7254	-0.0124	0.025	-0.0124	0.50
589:	31	18	13	1	31	30	18	12	1	30	103863.1710	0.0139	0.025	0.0140	0.50
590:	31	18	14	1	31	30	18	13	1	30	103863.1710	0.0139	0.025	0.0140	0.50
591:	31	13	18	1	31	30	13	17	1	30	103865.9622	0.0141	0.025	0.0141	0.50
592:	31	13	19	1	31	30	13	18	1	30	103865.9622	0.0141	0.025	0.0141	0.50
593:	31	19	12	1	31	30	19	11	1	30	103874.7180	0.0181	0.025	0.0182	0.50
594:	31	19	13	1	31	30	19	12	1	30	103874.7180	0.0181	0.025	0.0182	0.50
595:	32	2	30	1	32	31	3	29	1	31	103885.5877	-0.0166	0.025		
596:	31	12	19	1	31	30	12	18	1	30	103886.1201	0.0259	0.025	0.0260	0.50
597:	31	12	20	1	31	30	12	19	1	30	103886.1201	0.0259	0.025	0.0260	0.50
598:	31	20	11	1	31	30	20	10	1	30	103888.9909	0.0202	0.025	0.0202	0.50
599:	31	20	12	1	31	30	20	11	1	30	103888.9909	0.0202	0.025	0.0202	0.50
600:	31	4	28	1	31	30	4	27	1	30	103891.3209	-0.0081	0.025		
601:	31	21	10	1	31	30	21	9	1	30	103905.6756	0.0113	0.025	0.0114	0.50
602:	31	21	11	1	31	30	21	10	1	30	103905.6756	0.0113	0.025	0.0114	0.50
603:	31	11	21	1	31	30	11	20	1	30	103917.7614	-0.0067	0.025	-0.0067	0.50
604:	31	11	20	1	31	30	11	19	1	30	103917.7614	-0.0067	0.025	-0.0067	0.50
605:	31	22	9	1	31	30	22	8	1	30	103924.5319	-0.0090	0.025	-0.0091	0.50
606:	31	22	10	1	31	30	22	9	1	30	103924.5319	-0.0090	0.025	-0.0091	0.50
607:	31	23	8	1	31	30	23	7	1	30	103945.4389	0.0286	0.025	0.0287	0.50
608:	31	23	9	1	31	30	23	8	1	30	103945.4389	0.0286	0.025	0.0287	0.50
609:	31	10	22	1	31	30	10	21	1	30	103965.5390	0.0317	0.025	0.0313	0.50
610:	31	10	21	1	31	30	10	20	1	30	103965.5390	0.0309	0.025	0.0313	0.50
611:	31	24	7	1	31	30	24	6	1	30	103968.1720	0.0539	0.025	0.0539	0.50
612:	31	24	8	1	31	30	24	7	1	30	103968.1720	0.0539	0.025	0.0539	0.50
613:	31	25	6	1	31	30	25	5	1	30	103992.5720	0.0334	0.025	0.0335	0.50
614:	31	25	7	1	31	30	25	6	1	30	103992.5720	0.0334	0.025	0.0335	0.50
615:	31	9	23	1	31	30	9	22	1	30	104036.7203	-0.0078	0.025	-0.0220	0.50
616:	31	9	22	1	31	30	9	21	1	30	104036.7203	-0.0360	0.025	-0.0220	0.50
617:	31	8	24	1	31	30	8	23	1	30	104144.1300	-0.0245	0.025		
618:	31	8	23	1	31	30	8	22	1	30	104144.8562	-0.0153	0.025		
619:	8	7	1	1	8	7	6	2	1	7	104236.1006	0.0388	0.025	0.0388	0.50
620:	8	7	2	1	8	7	6	1	1	7	104236.1006	0.0388	0.025	0.0388	0.50
621:	31	7	25	1	31	30	7	24	1	30	104307.6549	0.0052	0.025		
622:	31	7	24	1	31	30	7	23	1	30	104320.8349	-0.0125	0.025		
623:	31	3	29	1	31	30	2	28	1	30	104507.1190	0.0168	0.025		
624:	31	6	26	1	31	30	6	25	1	30	104523.5062	0.0215	0.025		
625:	31	5	27	1	31	30	5	26	1	30	104577.1385	0.0086	0.025		
626:	31	6	25	1	31	30	6	24	1	30	104687.4289	0.0258	0.025		
627:	32	3	30	1	32	31	3	29	1	31	105315.1890	0.0001	0.025		
628:	32	2	30	1	32	31	2	29	1	31	105717.0316	0.0014	0.025		
629:	31	5	26	1	31	30	5	25	1	30	105718.9694	0.0162	0.025		
630:	31	3	28	1	31	30	3	27	1	30	105805.7930	0.0139	0.025		
631:	33	1	32	1	33	32	2	31	1	32	106038.4546	-0.0149	0.025		
632:	33	2	32	1	33	32	2	31	1	32	106102.3360	-0.0058	0.025		
633:	33	1	32	1	33	32	1	31	1	32	106125.3001	-0.0064	0.025		
634:	34	3	31	1	34	33	4	30	1	33	106185.7436	-0.0575	0.025		
635:	33	2	32	1	33	32	1	31	1	32	106189.1634	-0.0154	0.025		
636:	34	0	34	1	34	33	1	33	1	33	106812.8391	-0.0612	0.025		
637:	34	1	34	1	34	33	1	33	1	33	106813.9122	-0.0377	0.025		
638:	34	0	34	1	34	33	0	33	1	33	106814.3890	0.0028	0.025		
639:	34	1	34	1	34	33	0	33	1	33	106815.3980	-0.0377	0.025		
640:	16	5	12	1	16	15	4	11	1	15	106869.3402	-0.0063	0.025		
641:	31	4	27	1	31	30	4	26	1	30	106961.3756	-0.0032	0.025		
642:	55	10	46	1	55	55	9	47	1	55	106999.0565	0.0535	0.025		
643:	16	5	11	1	16	15	4	12	1	15	107019.4726	0.0067	0.025		
644:	32	4	29	1	32	31	4	28	1	31	107132.3488	-0.0159	0.025		
645:	32	3	30	1	32	31	2	29	1	31	107146.5838	-0.0309	0.025		
646:	32	16	16	1	32	31	16	15	1	31	107201.8436	0.0037	0.025	0.0038	0.50

647:	32	16	17	1	32	31	16	16	1	31	107201.8436	0.0037	0.025	0.0038	0.50
648:	32	15	18	1	32	31	15	17	1	31	107202.6400	0.0123	0.025	0.0123	0.50
649:	32	15	17	1	32	31	15	16	1	31	107202.6400	0.0123	0.025	0.0123	0.50
650:	32	17	15	1	32	31	17	14	1	31	107205.7563	0.0042	0.025	0.0043	0.50
651:	32	17	16	1	32	31	17	15	1	31	107205.7563	0.0042	0.025	0.0043	0.50
652:	32	14	18	1	32	31	14	17	1	31	107209.1592	-0.0141	0.025	-0.0142	0.50
653:	32	14	19	1	32	31	14	18	1	31	107209.1592	-0.0141	0.025	-0.0142	0.50
654:	32	18	14	1	32	31	18	13	1	31	107213.5852	-0.0088	0.025	-0.0089	0.50
655:	32	18	15	1	32	31	18	14	1	31	107213.5852	-0.0088	0.025	-0.0089	0.50
656:	32	13	19	1	32	31	13	18	1	31	107222.9613	-0.0034	0.025	-0.0034	0.50
657:	32	13	20	1	32	31	13	19	1	31	107222.9613	-0.0034	0.025	-0.0034	0.50
658:	32	19	13	1	32	31	19	12	1	31	107224.8178	0.0248	0.025	0.0248	0.50
659:	32	19	14	1	32	31	19	13	1	31	107224.8178	0.0248	0.025	0.0248	0.50
660:	32	20	12	1	32	31	20	11	1	31	107238.9495	0.0352	0.025	0.0352	0.50
661:	32	20	13	1	32	31	20	12	1	31	107238.9495	0.0352	0.025	0.0352	0.50
662:	32	12	20	1	32	31	12	19	1	31	107246.1622	0.0078	0.025	0.0078	0.50
663:	32	12	21	1	32	31	12	20	1	31	107246.1622	0.0078	0.025	0.0078	0.50
664:	32	21	11	1	32	31	21	10	1	31	107255.6406	0.0178	0.025	0.0179	0.50
665:	32	21	12	1	32	31	21	11	1	31	107255.6406	0.0178	0.025	0.0179	0.50
666:	32	22	10	1	32	31	22	9	1	31	107274.6619	0.0061	0.025	0.0061	0.50
667:	32	22	11	1	32	31	22	10	1	31	107274.6619	0.0061	0.025	0.0061	0.50
668:	32	11	21	1	32	31	11	20	1	31	107281.9410	-0.0220	0.025	-0.0221	0.50
669:	32	11	22	1	32	31	11	21	1	31	107281.9410	-0.0220	0.025	-0.0221	0.50
670:	32	23	9	1	32	31	23	8	1	31	107295.8113	0.0068	0.025	0.0069	0.50
671:	32	23	10	1	32	31	23	9	1	31	107295.8113	0.0068	0.025	0.0069	0.50
672:	32	24	8	1	32	31	24	7	1	31	107318.9055	0.0053	0.025	0.0053	0.50
673:	32	24	9	1	32	31	24	8	1	31	107318.9055	0.0053	0.025	0.0053	0.50
674:	32	10	23	1	32	31	10	22	1	31	107335.4130	0.0029	0.025	0.0021	0.50
675:	32	10	22	1	32	31	10	21	1	31	107335.4130	0.0013	0.025	0.0021	0.50
676:	33	2	31	1	33	32	3	30	1	32	107336.0205	-0.0228	0.025		
677:	32	25	7	1	32	31	25	6	1	31	107343.8090	0.0038	0.025	0.0039	0.50
678:	32	25	8	1	32	31	25	7	1	31	107343.8090	0.0038	0.025	0.0039	0.50
679:	32	26	6	1	32	31	26	5	1	31	107370.4177	0.0124	0.025	0.0124	0.50
680:	32	26	7	1	32	31	26	6	1	31	107370.4177	0.0124	0.025	0.0124	0.50
681:	32	27	5	1	32	31	27	4	1	31	107398.6198	0.0148	0.025	0.0148	0.50
682:	32	27	6	1	32	31	27	5	1	31	107398.6198	0.0148	0.025	0.0148	0.50
683:	32	9	24	1	32	31	9	23	1	31	107414.7540	0.0315	0.025	0.0071	0.50
684:	32	9	23	1	32	31	9	22	1	31	107414.7540	-0.0172	0.025	0.0071	0.50
685:	32	28	4	1	32	31	28	3	1	31	107428.3071	-0.0160	0.025	-0.0161	0.50
686:	32	28	5	1	32	31	28	4	1	31	107428.3071	-0.0160	0.025	-0.0161	0.50
687:	32	29	3	1	32	31	29	2	1	31	107459.4944	0.0041	0.025	0.0042	0.50
688:	32	29	4	1	32	31	29	3	1	31	107459.4944	0.0041	0.025	0.0042	0.50
689:	32	8	25	1	32	31	8	24	1	31	107533.9660	-0.0024	0.025		
690:	32	8	24	1	32	31	8	23	1	31	107535.0795	-0.0392	0.025		
691:	9	7	2	1	9	8	6	3	1	8	107583.0103	0.0252	0.025	0.0253	0.50
692:	9	7	3	1	9	8	6	2	1	8	107583.0103	0.0252	0.025	0.0253	0.50
693:	33	3	31	1	33	32	3	30	1	32	108444.4613	-0.0131	0.025		
694:	33	2	31	1	33	32	2	30	1	32	108765.6226	-0.0053	0.025		
695:	32	3	29	1	32	31	3	28	1	31	108914.2800	0.0137	0.025		
696:	50	10	41	1	50	50	9	42	1	50	108955.1044	-0.0473	0.025		
697:	13	6	8	1	13	12	5	7	1	12	109032.3312	-0.0156	0.025		
698:	13	6	7	1	13	12	5	8	1	12	109032.8766	-0.0048	0.025		
699:	49	10	39	1	49	49	9	40	1	49	109122.6819	-0.0137	0.025	-0.0137	0.50
700:	49	10	39	1	49	49	9	40	1	49	109122.6819	-0.0137	0.025	-0.0137	0.50
701:	34	1	33	1	34	33	2	32	1	33	109158.6331	-0.0158	0.025		
702:	34	2	33	1	34	33	2	32	1	33	109205.5080	0.0117	0.025		
703:	34	1	33	1	34	33	1	32	1	33	109222.5055	-0.0157	0.025		
704:	34	2	33	1	34	33	1	32	1	33	109269.3681	-0.0003	0.025		
705:	32	5	27	1	32	31	5	26	1	31	109343.0550	0.0379	0.025		
706:	47	10	37	1	47	47	9	38	1	47	109836.6679	-0.0053	0.025		
707:	33	3	31	1	33	32	2	30	1	32	109873.9871	-0.0719	0.025		
708:	35	0	35	1	35	34	1	34	1	34	109915.4450	-0.0236	0.025		
709:	35	1	35	1	35	34	1	34	1	34	109916.1600	-0.0491	0.025	-0.0492	0.50
710:	35	1	35	1	35	34	1	34	1	34	109916.1600	-0.0491	0.025	-0.0492	0.50
711:	35	0	35	1	35	34	0	34	1	34	109916.5051	-0.0131	0.025		
712:	35	1	35	1	35	34	0	34	1	34	109917.2659	0.0071	0.025		
713:	32	4	28	1	32	31	4	27	1	31	110434.0136	0.0010	0.025		
714:	33	16	17	1	33	32	16	16	1	32	110553.8784	-0.0027	0.025	-0.0027	0.50
715:	33	16	18	1	33	32	16	17	1	32	110553.8784	-0.0027	0.025	-0.0027	0.50
716:	33	15	18	1	33	32	15	17	1	32	110556.0076	0.0056	0.025	0.0056	0.50
717:	33	15	19	1	33	32	15	18	1	32	110556.0076	0.0056	0.025	0.0056	0.50
718:	33	17	16	1	33	32	17	15	1	32	110556.8410	0.0053	0.025	0.0054	0.50
719:	33	17	17	1	33	32	17	16	1	32	110556.8410	0.0053	0.025	0.0054	0.50
720:	33	18	15	1	33	32	18	14	1	32	110564.0081	-0.0126	0.025	-0.0127	0.50
721:	33	18	16	1	33	32	18	15	1	32	110564.0081	-0.0126	0.025	-0.0127	0.50
722:	33	14	19	1	33	32	14	18	1	32	110564.3786	0.0197	0.025	0.0197	0.50
723:	33	14	20	1	33	32	14	19	1	32	110564.3786	0.0197	0.025	0.0197	0.50
724:	33	19	14	1	33	32	19	13	1	32	110574.8239	0.0153	0.025	0.0153	0.50
725:	33	19	15	1	33	32	19	14	1	32	110574.8239	0.0153	0.025	0.0153	0.50
726:	33	13	20	1	33	32	13	19	1	32	110580.5797	-0.0061	0.025	-0.0062	0.50
727:	33	13	21	1	33	32	13	20	1	32	110580.5797	-0.0061	0.025	-0.0062	0.50
728:	33	20	13	1	33	32	20	12	1	32	110588.7107	-0.0124	0.025	-0.0124	0.50
729:	33	20	14	1	33	32	20	13	1	32	110588.7107	-0.0124	0.025	-0.0124	0.50

730:	33	21	12	1	33	32	21	11	1	32	110605.3944	-0.0031	0.025	-0.0032	0.50
731:	33	21	13	1	33	32	21	12	1	32	110605.3944	-0.0031	0.025	-0.0032	0.50
732:	33	12	21	1	33	32	12	20	1	32	110607.0519	0.0019	0.025	0.0020	0.50
733:	33	12	22	1	33	32	12	21	1	32	110607.0519	0.0019	0.025	0.0020	0.50
734:	33	22	11	1	33	32	22	10	1	32	110624.5461	0.0015	0.025	0.0015	0.50
735:	33	22	12	1	33	32	22	11	1	32	110624.5461	0.0015	0.025	0.0015	0.50
736:	33	23	10	1	33	32	23	9	1	32	110645.9378	0.0019	0.025	0.0020	0.50
737:	33	23	11	1	33	32	23	10	1	32	110645.9378	0.0019	0.025	0.0020	0.50
738:	33	11	22	1	33	32	11	21	1	32	110647.2934	-0.0042	0.025	-0.0042	0.50
739:	33	11	23	1	33	32	11	22	1	32	110647.2934	-0.0041	0.025	-0.0042	0.50
740:	33	24	9	1	33	32	24	8	1	32	110669.3956	0.0084	0.025	0.0084	0.50
741:	33	24	10	1	33	32	24	9	1	32	110669.3956	0.0084	0.025	0.0084	0.50
742:	44	10	34	1	44	44	9	35	1	44	110694.2859	0.0194	0.025		
743:	33	25	8	1	33	32	25	7	1	32	110694.7370	-0.0113	0.025	-0.0113	0.50
744:	33	25	9	1	33	32	25	8	1	32	110694.7370	-0.0113	0.025	-0.0113	0.50
745:	43	10	33	1	43	43	9	34	1	43	110934.0377	0.0131	0.025		
746:	33	10	24	1	33	32	10	23	1	32	110706.8661	-0.0028	0.025	-0.0043	0.50
747:	33	10	23	1	33	32	10	22	1	32	110706.8661	-0.0056	0.025	-0.0043	0.50
748:	33	27	6	1	33	32	27	5	1	32	110750.7268	0.0037	0.025	0.0037	0.50
749:	33	27	7	1	33	32	27	6	1	32	110750.7268	0.0037	0.025	0.0037	0.50
750:	33	9	25	1	33	32	9	24	1	32	110794.9091	0.0402	0.025	-0.0010	0.50
751:	33	9	24	1	33	32	9	23	1	32	110794.9091	-0.0421	0.025	-0.0010	0.50
752:	33	8	26	1	33	32	8	25	1	32	110926.7860	0.0115	0.025		
753:	33	8	25	1	33	32	8	24	1	32	110928.5705	-0.0188	0.025		
754:	33	7	27	1	33	32	7	26	1	32	111123.3501	0.0072	0.025		
755:	33	7	26	1	33	32	7	25	1	32	111152.2594	-0.0013	0.025		
756:	33	5	29	1	33	32	5	28	1	32	111295.9384	0.0036	0.025		
757:	33	6	28	1	33	32	6	27	1	32	111352.3849	0.0121	0.025		
758:	34	3	32	1	34	33	3	31	1	33	111567.3725	-0.0144	0.025		
759:	33	6	27	1	33	32	6	26	1	32	111657.7534	0.0120	0.025		
760:	34	2	32	1	34	33	2	31	1	33	111821.5486	-0.0076	0.025		
761:	33	3	30	1	33	32	3	29	1	32	111985.9908	-0.0316	0.025		
762:	35	10	26	1	35	35	9	27	1	35	112257.7047	0.0412	0.025		
763:	35	10	25	1	35	35	9	26	1	35	112257.1362	0.0077	0.025		
764:	35	1	34	1	35	34	2	33	1	34	112273.4986	-0.0128	0.025		
765:	35	2	34	1	35	34	2	33	1	34	112307.7971	0.0153	0.025		
766:	35	1	34	1	35	34	1	33	1	34	112320.3538	-0.0048	0.025		
767:	35	2	34	1	35	34	1	33	1	34	112354.6213	-0.0077	0.025		
768:	33	10	23	1	33	33	9	24	1	33	112462.1270	0.0638	0.025	-0.0304	0.50
769:	33	10	24	1	33	33	9	25	1	33	112462.1270	-0.1246	0.025	-0.0304	0.50
770:	32	10	22	1	32	32	9	23	1	32	112550.1933	0.0506	0.025	-0.0038	0.50
771:	32	10	23	1	32	32	9	24	1	32	112550.1933	-0.0582	0.025	-0.0038	0.50
772:	31	10	21	1	31	31	9	22	1	31	112629.5229	0.0206	0.025	-0.0102	0.50
773:	31	10	22	1	31	31	9	23	1	31	112629.5229	-0.0410	0.025	-0.0102	0.50
774:	34	3	32	1	34	33	2	31	1	33	112675.8156	-0.0024	0.025		
775:	30	10	20	1	30	30	9	21	1	30	112700.7726	0.0220	0.025	0.0049	0.50
776:	30	10	21	1	30	30	9	22	1	30	112700.7726	-0.0122	0.025	0.0049	0.50
777:	29	10	19	1	29	29	9	20	1	29	112764.4729	0.0086	0.025	-0.0007	0.50
778:	29	10	20	1	29	29	9	21	1	29	112764.4729	-0.0100	0.025	-0.0007	0.50
779:	28	10	18	1	28	28	9	19	1	28	112821.2038	0.0127	0.025	0.0078	0.50
780:	28	10	19	1	28	28	9	20	1	28	112821.2038	0.0028	0.025	0.0078	0.50
781:	27	10	17	1	27	27	9	18	1	27	112871.4663	0.0148	0.025	0.0123	0.50
782:	27	10	18	1	27	27	9	19	1	27	112871.4663	0.0097	0.025	0.0123	0.50
783:	26	10	16	1	26	26	9	17	1	26	112915.7539	0.0128	0.025	0.0116	0.50
784:	26	10	17	1	26	26	9	18	1	26	112915.7539	0.0102	0.025	0.0116	0.50
785:	25	10	15	1	25	25	9	16	1	25	112954.5283	-0.0036	0.025	-0.0043	0.50
786:	25	10	16	1	25	25	9	17	1	25	112954.5283	-0.0049	0.025	-0.0043	0.50
787:	33	5	28	1	33	32	5	27	1	32	112980.0483	0.0100	0.025		
788:	24	10	14	1	24	24	9	15	1	24	112988.2788	0.0048	0.025	0.0045	0.50
789:	24	10	15	1	24	24	9	16	1	24	112988.2788	0.0042	0.025	0.0045	0.50
790:	23	10	13	1	23	23	9	14	1	23	113017.4765	0.0808	0.025	-0.0351	0.20
791:	23	10	14	1	23	23	9	15	1	23	113017.4765	0.0805	0.025	-0.0351	0.20
792:	36	0	36	1	36	35	1	35	1	35	113017.4765	-0.1123	0.025	-0.0351	0.60
793:	36	1	36	1	36	35	1	35	1	35	113018.2364	0.1256	0.025	0.0163	0.50
794:	36	0	36	1	36	35	0	35	1	35	113018.2364	-0.0929	0.025	0.0163	0.50
795:	36	1	36	1	36	35	0	35	1	35	113018.8478	-0.0034	0.025		
796:	34	4	31	1	34	33	4	30	1	33	113567.3270	0.0064	0.025		
797:	33	4	29	1	33	32	4	28	1	32	113863.2917	0.0368	0.025		
798:	34	16	18	1	34	33	16	17	1	33	113906.0935	0.0027	0.025	0.0027	0.50
799:	34	16	19	1	34	33	16	18	1	33	113906.0935	0.0027	0.025	0.0027	0.50
800:	34	17	17	1	34	33	17	16	1	33	113907.9947	0.0057	0.025	0.0057	0.50
801:	34	17	18	1	34	33	17	17	1	33	113907.9947	0.0057	0.025	0.0057	0.50
802:	34	15	19	1	34	33	15	18	1	33	113909.6716	0.0071	0.025	0.0071	0.50
803:	34	15	20	1	34	33	15	19	1	33	113909.6716	0.0071	0.025	0.0071	0.50
804:	34	18	16	1	34	33	18	15	1	33	113914.4386	0.0035	0.025	0.0035	0.50
805:	34	18	17	1	34	33	18	16	1	33	113914.4386	0.0035	0.025	0.0035	0.50
806:	34	14	20	1	34	33	14	19	1	33	113919.9892	0.0086	0.025	0.0087	0.50
807:	34	14	21	1	34	33	14	20	1	33	113919.9892	0.0086	0.025	0.0087	0.50
808:	34	19	15	1	34	33	19	14	1	33	113924.7490	0.0064	0.025	0.0064	0.50
809:	34	19	16	1	34	33	19	15	1	33	113924.7490	0.0064	0.025	0.0064	0.50
810:	34	13	21	1	34	33	13	20	1	33	113938.8194	-0.0097	0.025	-0.0097	0.50
811:	34	13	22	1	34	33	13	21	1	33	113938.8194	-0.0097	0.025	-0.0097	0.50
812:	34	21	13	1	34	33	21	12	1	33	113954.9876	0.0059	0.025	0.0060	0.50

813:	34	21	14	1	34	33	21	13	1	33	113954.9876	0.0059	0.025	0.0060	0.50
814:	34	12	22	1	34	33	12	21	1	33	113968.8141	0.0076	0.025	0.0077	0.50
815:	34	12	23	1	34	33	12	22	1	33	113968.8141	0.0076	0.025	0.0077	0.50
816:	34	22	12	1	34	33	22	11	1	33	113974.2087	0.0096	0.025	0.0096	0.50
817:	34	22	13	1	34	33	22	12	1	33	113974.2087	0.0096	0.025	0.0096	0.50
818:	34	23	11	1	34	33	23	10	1	33	113995.8007	0.0057	0.025	0.0057	0.50
819:	34	23	12	1	34	33	23	11	1	33	113995.8007	0.0057	0.025	0.0057	0.50
820:	34	11	24	1	34	33	11	23	1	33	114013.8146	0.0055	0.025	0.0054	0.50
821:	34	11	23	1	34	33	11	22	1	33	114013.8146	0.0053	0.025	0.0054	0.50
822:	34	24	10	1	34	33	24	9	1	33	114019.5720	0.0031	0.025	0.0031	0.50
823:	34	24	11	1	34	33	24	10	1	33	114019.5720	0.0031	0.025	0.0031	0.50
824:	35	2	33	1	35	34	3	32	1	34	114030.0353	-0.0451	0.025		
825:	34	25	9	1	34	33	25	8	1	33	114045.3648	0.0077	0.025	0.0077	0.50
826:	34	25	10	1	34	33	25	9	1	33	114045.3648	0.0077	0.025	0.0077	0.50
827:	34	10	25	1	34	33	10	24	1	33	114079.9463	0.0068	0.025	0.0043	0.50
828:	34	10	24	1	34	33	10	23	1	33	114079.9463	0.0018	0.025	0.0043	0.50
829:	34	9	25	1	34	33	9	24	1	33	114177.3273	-0.0606	0.025	0.0078	0.50
830:	34	9	26	1	34	33	9	25	1	33	114177.3273	0.0762	0.025	0.0078	0.50
831:	34	8	27	1	34	33	8	26	1	33	114322.6763	0.0041	0.025		
832:	34	8	26	1	34	33	8	25	1	33	114325.5000	0.0089	0.025		
833:	34	7	28	1	34	33	7	27	1	33	114536.2656	-0.0131	0.025		
834:	34	7	27	1	34	33	7	26	1	33	114578.1717	0.0210	0.025		
835:	34	5	30	1	34	33	5	29	1	33	114636.5058	-0.0026	0.025		
836:	35	3	33	1	35	34	3	32	1	34	114684.8935	-0.0063	0.025		
837:	34	6	29	1	34	33	6	28	1	33	114765.0663	0.0017	0.025		
838:	35	2	33	1	35	34	2	32	1	34	114884.3251	-0.0171	0.025		
839:	34	3	31	1	34	33	3	30	1	33	115028.3982	0.0489	0.025		
840:	34	6	28	1	34	33	6	27	1	33	115172.3432	-0.0029	0.025		
841:	36	1	35	1	36	35	2	34	1	35	115384.3147	-0.0093	0.025		
842:	36	2	35	1	36	35	2	34	1	35	115409.3253	-0.0081	0.025		
843:	36	1	35	1	36	35	1	34	1	35	115418.5861	-0.0083	0.025		
844:	36	2	35	1	36	35	1	34	1	35	115443.5935	-0.0102	0.025		
845:	35	3	33	1	35	34	2	32	1	34	115539.1544	-0.0073	0.025		
846:	37	0	37	1	37	36	1	36	1	36	116119.2298	-0.0512	0.025		
847:	37	1	37	1	37	36	1	36	1	36	116119.7173	0.0687	0.025	-0.0084	0.50
848:	37	0	37	1	37	36	0	36	1	36	116119.7173	-0.0856	0.025	-0.0084	0.50
849:	37	1	37	1	37	36	0	36	1	36	116120.1932	0.0227	0.025		
850:	19	5	15	1	19	18	4	14	1	18	116347.2163	-0.0150	0.025		
851:	34	5	29	1	34	33	5	28	1	33	116621.7471	0.0139	0.025		
852:	35	4	32	1	35	34	4	31	1	34	116762.3538	-0.0034	0.025		
853:	19	5	14	1	19	18	4	15	1	18	116967.9412	0.0157	0.025		
854:	34	4	30	1	34	33	4	29	1	33	117245.9452	-0.0100	0.025	-0.0101	0.50
855:	34	4	30	1	34	33	4	29	1	33	117245.9452	-0.0100	0.025	-0.0101	0.50
856:	35	16	19	1	35	34	16	18	1	34	117258.4770	0.0050	0.025	0.0050	0.50
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858:	35	17	18	1	35	34	17	17	1	34	117259.2232	0.0108	0.025	0.0109	0.50
859:	35	17	19	1	35	34	17	18	1	34	117259.2232	0.0108	0.025	0.0109	0.50
860:	35	15	20	1	35	34	15	19	1	34	117263.6368	0.0148	0.025	0.0148	0.50
861:	35	15	21	1	35	34	15	20	1	34	117263.6368	0.0148	0.025	0.0148	0.50
862:	35	18	17	1	35	34	18	16	1	34	117264.8494	0.0145	0.025	0.0146	0.50
863:	35	18	18	1	35	34	18	17	1	34	117264.8494	0.0145	0.025	0.0146	0.50
864:	35	19	16	1	35	34	19	15	1	34	117274.5842	-0.0067	0.025	-0.0067	0.50
865:	35	19	17	1	35	34	19	16	1	34	117274.5842	-0.0067	0.025	-0.0067	0.50
866:	35	14	21	1	35	34	14	20	1	34	117276.0671	0.0174	0.025	0.0174	0.50
867:	35	14	22	1	35	34	14	21	1	34	117276.0671	0.0174	0.025	0.0174	0.50
868:	35	20	15	1	35	34	20	14	1	34	117287.9143	0.0003	0.025	0.0003	0.50
869:	35	20	16	1	35	34	20	15	1	34	117287.9143	0.0003	0.025	0.0003	0.50
870:	35	13	22	1	35	34	13	21	1	34	117297.7108	-0.0010	0.025	-0.0011	0.50
871:	35	13	23	1	35	34	13	22	1	34	117297.7108	-0.0010	0.025	-0.0011	0.50
872:	36	2	34	1	36	35	3	33	1	35	117298.3865	-0.0109	0.025		
873:	35	21	14	1	35	34	21	13	1	34	117304.3592	-0.0085	0.025	-0.0085	0.50
874:	35	21	15	1	35	34	21	14	1	34	117304.3592	-0.0085	0.025	-0.0085	0.50
875:	35	22	13	1	35	34	22	12	1	34	117323.5999	-0.0109	0.025	-0.0110	0.50
876:	35	22	14	1	35	34	22	13	1	34	117323.5999	-0.0109	0.025	-0.0110	0.50
877:	35	12	23	1	35	34	12	22	1	34	117331.4467	-0.0031	0.025	-0.0031	0.50
878:	35	12	24	1	35	34	12	23	1	34	117331.4467	-0.0031	0.025	-0.0031	0.50
879:	35	23	12	1	35	34	23	11	1	34	117345.3291	-0.0434	0.025	-0.0435	0.50
880:	35	23	13	1	35	34	23	12	1	34	117345.3291	-0.0434	0.025	-0.0435	0.50
881:	35	24	11	1	35	34	24	10	1	34	117369.4377	0.0027	0.025	0.0027	0.50
882:	35	24	12	1	35	34	24	11	1	34	117369.4377	0.0027	0.025	0.0027	0.50
883:	35	11	25	1	35	34	11	24	1	34	117381.5447	0.0088	0.025	0.0087	0.50
884:	35	11	24	1	35	34	11	23	1	34	117381.5447	0.0085	0.025	0.0087	0.50
885:	35	25	10	1	35	34	25	9	1	34	117395.6404	0.0200	0.025	0.0201	0.50
886:	35	25	11	1	35	34	25	10	1	34	117395.6404	0.0200	0.025	0.0201	0.50
887:	35	26	9	1	35	34	26	8	1	34	117423.8103	0.0281	0.025	0.0282	0.50
888:	35	26	10	1	35	34	26	9	1	34	117423.8103	0.0281	0.025	0.0282	0.50
889:	35	27	8	1	35	34	27	7	1	34	117453.7914	-0.0065	0.025	-0.0065	0.50
890:	35	27	9	1	35	34	27	8	1	34	117453.7914	-0.0065	0.025	-0.0065	0.50
891:	35	10	26	1	35	34	10	25	1	34	117454.6988	0.0200	0.025	0.0156	0.50
892:	35	10	25	1	35	34	10	24	1	34	117454.6988	0.0112	0.025	0.0156	0.50
893:	35	28	7	1	35	34	28	6	1	34	117485.5559	-0.0084	0.025	-0.0084	0.50
894:	35	28	8	1	35	34	28	7	1	34	117485.5559	-0.0084	0.025	-0.0084	0.50
895:	35	29	6	1	35	34	29	5	1	34	117518.9957	0.0026	0.025	0.0026	0.50

896:	35	29	7	1	35	34	29	6	1	34	117518.9957	0.0026	0.025	0.0026	0.50
897:	35	9	26	1	35	34	9	25	1	34	117562.1056	-0.0732	0.025		
898:	12	7	6	1	12	11	6	5	1	11	117618.8205	-0.0138	0.025	-0.0149	0.50
899:	12	7	5	1	12	11	6	6	1	11	117618.8205	-0.0159	0.025	-0.0149	0.50
900:	35	8	28	1	35	34	8	27	1	34	117721.7695	0.0177	0.025		
901:	35	8	27	1	35	34	8	26	1	34	117726.0740	0.0087	0.025		
902:	36	3	34	1	36	35	3	33	1	35	117797.8995	0.0095	0.025		
903:	35	7	29	1	35	34	7	28	1	34	117952.3306	0.0141	0.025		
904:	36	2	34	1	36	35	2	33	1	35	117953.2133	-0.0036	0.025		
905:	35	5	31	1	35	34	5	30	1	34	117962.8449	0.0024	0.025		
906:	35	7	28	1	35	34	7	27	1	34	118012.1065	0.0006	0.025		
907:	35	3	32	1	35	34	3	31	1	34	118049.5255	-0.0049	0.025		
908:	35	6	30	1	35	34	6	29	1	34	118174.8213	0.0062	0.025		
909:	36	3	34	1	36	35	2	33	1	35	118452.6994	-0.0100	0.025		
910:	37	1	36	1	37	36	2	35	1	36	118492.0382	-0.0031	0.025		
911:	37	2	36	1	37	36	2	35	1	36	118510.2402	-0.0112	0.025		
912:	37	1	36	1	37	36	1	35	1	36	118517.0449	-0.0057	0.025		
913:	37	2	36	1	37	36	1	35	1	36	118535.2553	-0.0054	0.025		
914:	35	6	29	1	35	34	6	28	1	34	118709.6790	0.0119	0.025		
915:	37	3	34	1	37	36	4	33	1	36	119080.9834	0.0142	0.025		
916:	38	1	38	1	38	37	1	37	1	37	119220.8538	0.0387	0.025	-0.0157	0.50
917:	38	0	38	1	38	37	0	37	1	37	119220.8538	-0.0702	0.025	-0.0157	0.50
918:	38	1	38	1	38	37	0	37	1	37	119221.2527	0.0701	0.025		
919:	36	4	33	1	36	35	4	32	1	35	119943.5137	0.0156	0.025		
920:	35	5	30	1	35	34	5	29	1	34	120258.5890	0.0048	0.025		
921:	20	5	15	1	20	19	4	16	1	19	120311.5532	0.0145	0.025		
922:	37	2	35	1	37	36	3	34	1	36	120527.8272	0.0218	0.025		
923:	35	4	31	1	35	34	4	30	1	34	120579.6164	-0.0114	0.025		
924:	36	17	19	1	36	35	17	18	1	35	120610.5107	0.0049	0.025	0.0050	0.50
925:	36	17	20	1	36	35	17	19	1	35	120610.5107	0.0049	0.025	0.0050	0.50
926:	36	16	20	1	36	35	16	19	1	35	120611.0204	-0.0072	0.025	-0.0072	0.50
927:	36	16	21	1	36	35	16	20	1	35	120611.0204	-0.0072	0.025	-0.0072	0.50
928:	36	18	19	1	36	35	18	18	1	35	120615.2226	0.0047	0.025	0.0048	0.50
929:	36	18	18	1	36	35	18	17	1	35	120615.2226	0.0047	0.025	0.0048	0.50
930:	36	15	21	1	36	35	15	20	1	35	120617.8799	-0.0011	0.025	-0.0012	0.50
931:	36	15	22	1	36	35	15	21	1	35	120617.8799	-0.0011	0.025	-0.0012	0.50
932:	36	19	17	1	36	35	19	16	1	35	120624.3531	0.0037	0.025	0.0037	0.50
933:	36	19	18	1	36	35	19	17	1	35	120624.3531	0.0037	0.025	0.0037	0.50
934:	36	14	23	1	36	35	14	22	1	35	120632.5836	0.0058	0.025	0.0058	0.50
935:	36	14	22	1	36	35	14	21	1	35	120632.5836	0.0058	0.025	0.0058	0.50
936:	36	20	16	1	36	35	20	15	1	35	120637.2807	-0.0036	0.025	-0.0037	0.50
937:	36	20	17	1	36	35	20	16	1	35	120637.2807	-0.0036	0.025	-0.0037	0.50
938:	36	21	16	1	36	35	21	15	1	35	120653.5564	0.0078	0.025	0.0078	0.50
939:	36	21	15	1	36	35	21	14	1	35	120653.5564	0.0078	0.025	0.0078	0.50
940:	36	13	23	1	36	35	13	22	1	35	120657.2630	0.0111	0.025	0.0112	0.50
941:	36	13	24	1	36	35	13	23	1	35	120657.2630	0.0111	0.025	0.0112	0.50
942:	36	22	14	1	36	35	22	13	1	35	120672.7871	0.0156	0.025	0.0156	0.50
943:	36	22	15	1	36	35	22	14	1	35	120672.7871	0.0156	0.025	0.0156	0.50
944:	36	23	13	1	36	35	23	12	1	35	120694.6409	-0.0181	0.025	-0.0182	0.50
945:	36	23	14	1	36	35	23	13	1	35	120694.6409	-0.0181	0.025	-0.0182	0.50
946:	36	12	25	1	36	35	12	24	1	35	120695.0183	0.0119	0.025	0.0120	0.50
947:	36	12	24	1	36	35	12	23	1	35	120695.0183	0.0119	0.025	0.0120	0.50
948:	36	24	12	1	36	35	24	11	1	35	120718.9822	0.0071	0.025	0.0072	0.50
949:	36	24	13	1	36	35	24	12	1	35	120718.9822	0.0071	0.025	0.0072	0.50
950:	36	25	11	1	36	35	25	10	1	35	120745.5304	0.0035	0.025	0.0036	0.50
951:	36	25	12	1	36	35	25	11	1	35	120745.5304	0.0035	0.025	0.0036	0.50
952:	36	11	26	1	36	35	11	25	1	35	120750.4989	-0.0179	0.025	-0.0182	0.50
953:	36	11	25	1	36	35	11	24	1	35	120750.4989	-0.0184	0.025	-0.0182	0.50
954:	36	10	26	1	36	35	10	25	1	35	120831.1741	0.0130	0.025		
955:	54	11	43	1	54	54	10	44	1	54	120869.7298	0.0101	0.025		
956:	36	29	7	1	36	35	29	6	1	35	120871.2834	0.0017	0.025	0.0018	0.50
957:	36	29	8	1	36	35	29	7	1	35	120871.2834	0.0017	0.025	0.0018	0.50
958:	37	3	35	1	37	36	3	34	1	36	120907.1185	-0.0111	0.025		
959:	36	9	27	1	36	35	9	26	1	35	120949.4348	0.0052	0.025		
960:	37	2	35	1	37	36	2	34	1	36	121027.2983	0.0004	0.025		
961:	36	3	33	1	36	35	3	32	1	35	121057.8940	0.0005	0.025		
962:	36	8	29	1	36	35	8	28	1	35	121124.0968	0.0077	0.025		
963:	36	8	28	1	36	35	8	27	1	35	121130.6071	0.0104	0.025		
964:	36	5	32	1	36	35	5	31	1	35	121273.9124	-0.0095	0.025		
965:	36	7	30	1	36	35	7	29	1	35	121371.1233	0.0174	0.025		
966:	37	3	35	1	37	36	2	34	1	36	121406.6183	-0.0038	0.025	-0.0039	0.50
967:	37	3	35	1	37	36	2	34	1	36	121406.6183	-0.0038	0.025	-0.0039	0.50
968:	36	7	29	1	36	35	7	28	1	35	121455.3443	0.0084	0.025		
969:	36	6	31	1	36	35	6	30	1	35	121580.1481	0.0133	0.025		
970:	38	1	37	1	38	37	2	36	1	37	121597.3614	-0.0155	0.025		
971:	38	2	37	1	38	37	2	36	1	37	121610.5888	-0.0200	0.025		
972:	38	1	37	1	38	37	1	36	1	37	121615.5920	0.0049	0.025		
973:	38	2	37	1	38	37	1	36	1	37	121628.8012	-0.0177	0.025		
974:	51	11	40	1	51	51	10	41	1	51	121831.2080	0.0286	0.025		
975:	50	11	39	1	50	50	10	40	1	50	122105.7600	0.0721	0.025		
976:	36	6	30	1	36	35	6	29	1	35	122271.5513	0.0285	0.025		
977:	21	5	17	1	21	20	4	16	1	20	122299.5680	0.0239	0.025		
978:	17	6	11	1	17	16	5	12	1	16	122319.9715	0.0048	0.025		

979:	39	1	39	1	39	38	1	38	1	38	122321.6187	0.0166	0.025	-0.0218	0.50
980:	39	0	39	1	39	38	0	38	1	38	122321.6187	-0.0601	0.025	-0.0218	0.50
981:	34	4	31	1	34	33	3	30	1	33	122409.8897	0.0209	0.025		
982:	10	8	2	1	10	9	7	3	1	9	122830.7108	0.0211	0.025	0.0211	0.50
983:	10	8	3	1	10	9	7	2	1	9	122830.7108	0.0211	0.025	0.0211	0.50
984:	37	4	34	1	37	36	4	33	1	36	123111.7401	0.0095	0.025		
985:	42	11	31	1	42	42	10	32	1	42	123690.0709	-0.0534	0.025		
986:	42	11	32	1	42	42	10	33	1	42	123690.7819	-0.0432	0.025		
987:	38	2	36	1	38	37	3	35	1	37	123726.4345	0.0543	0.025		
988:	41	11	31	1	41	41	10	32	1	41	123827.6254	0.0482	0.025		
989:	36	4	32	1	36	35	4	31	1	35	123862.5380	0.0373	0.025		
990:	36	5	31	1	36	35	5	30	1	35	123880.7748	0.0164	0.025		
991:	37	19	18	1	37	36	19	17	1	36	123974.0177	0.0040	0.025	0.0041	0.50
992:	37	19	19	1	37	36	19	18	1	36	123974.0177	0.0040	0.025	0.0041	0.50
993:	37	17	20	1	37	36	17	19	1	36	123961.8778	0.0085	0.025	0.0086	0.50
994:	37	17	21	1	37	36	17	20	1	36	123961.8778	0.0085	0.025	0.0086	0.50
995:	37	16	21	1	37	36	16	20	1	36	123963.7907	0.0300	0.025	0.0300	0.50
996:	37	16	22	1	37	36	16	21	1	36	123963.7907	0.0300	0.025	0.0300	0.50
997:	37	18	20	1	37	36	18	19	1	36	123965.5940	0.0123	0.025	0.0124	0.50
998:	37	18	19	1	37	36	18	18	1	36	123965.5940	0.0123	0.025	0.0124	0.50
999:	37	15	23	1	37	36	15	22	1	36	123972.4580	0.0095	0.025	0.0095	0.50
1000:	37	15	22	1	37	36	15	21	1	36	123972.4580	0.0095	0.025	0.0095	0.50
1001:	37	20	17	1	37	36	20	16	1	36	123986.5100	0.0132	0.025	0.0133	0.50
1002:	37	20	18	1	37	36	20	17	1	36	123986.5100	0.0132	0.025	0.0133	0.50
1003:	38	3	36	1	38	37	3	35	1	37	124013.2979	0.0131	0.025		
1004:	37	22	15	1	37	36	22	14	1	36	124021.6940	0.0216	0.025	0.0216	0.50
1005:	37	22	16	1	37	36	22	15	1	36	124021.6940	0.0216	0.025	0.0216	0.50
1006:	37	23	14	1	37	36	23	13	1	36	124043.6285	-0.0163	0.025	-0.0163	0.50
1007:	37	23	15	1	37	36	23	14	1	36	124043.6285	-0.0163	0.025	-0.0163	0.50
1008:	37	3	34	1	37	36	3	33	1	36	124060.9363	0.0162	0.025		
1009:	39	11	28	1	39	39	10	29	1	39	124069.1506	0.0452	0.025	-0.0370	0.50
1010:	39	11	29	1	39	39	10	30	1	39	124069.1506	-0.1192	0.025	-0.0370	0.50
1011:	37	25	12	1	37	36	25	11	1	36	124095.0643	-0.0010	0.025	-0.0010	0.50
1012:	37	25	13	1	37	36	25	12	1	36	124095.0643	-0.0010	0.025	-0.0010	0.50
1013:	38	2	36	1	38	37	2	35	1	37	124105.7003	-0.0041	0.025		
1014:	35	4	32	1	35	34	3	31	1	34	124143.9334	0.0566	0.025		
1015:	38	11	27	1	38	38	10	28	1	38	124175.3634	0.0455	0.025	-0.0038	0.50
1016:	38	11	28	1	38	38	10	29	1	38	124175.3634	-0.0531	0.025	-0.0038	0.50
1017:	37	10	27	1	37	36	10	26	1	36	124209.4320	0.0043	0.025		
1018:	37	11	26	1	37	37	10	27	1	37	124272.5033	0.0367	0.025	0.0076	0.50
1019:	37	11	27	1	37	37	10	28	1	37	124272.5033	-0.0215	0.025	0.0076	0.50
1020:	14	7	8	1	14	13	6	7	1	13	124301.0416	0.0273	0.025	0.0184	0.50
1021:	14	7	7	1	14	13	6	8	1	13	124301.0416	0.0094	0.025	0.0184	0.50
1022:	37	9	28	1	37	36	9	27	1	36	124339.2443	-0.0106	0.025		
1023:	36	11	25	1	36	36	10	26	1	36	124361.1139	0.0126	0.025	-0.0043	0.50
1024:	36	11	26	1	36	36	10	27	1	36	124361.1139	-0.0212	0.025	-0.0043	0.50
1025:	38	3	36	1	38	37	2	35	1	37	124392.6413	0.0322	0.025		
1026:	35	11	24	1	35	35	10	25	1	35	124441.7942	0.0492	0.025	0.0395	0.50
1027:	35	11	25	1	35	35	10	26	1	35	124441.7942	0.0298	0.025	0.0395	0.50
1028:	34	11	23	1	34	34	10	24	1	34	124514.9144	0.0179	0.025	0.0125	0.50
1029:	34	11	24	1	34	34	10	25	1	34	124514.9144	0.0071	0.025	0.0125	0.50
1030:	37	8	29	1	37	36	8	28	1	36	124539.4285	0.0038	0.025		
1031:	37	5	33	1	37	36	5	32	1	36	124568.9931	0.0301	0.025		
1032:	33	11	22	1	33	33	10	23	1	33	124581.0528	0.0211	0.025	0.0181	0.50
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1034:	32	11	21	1	32	32	10	22	1	32	124640.6207	0.0148	0.025	0.0132	0.50
1035:	32	11	22	1	32	32	10	23	1	32	124640.6207	0.0116	0.025	0.0132	0.50
1036:	31	11	20	1	31	31	10	21	1	31	124694.0664	0.0119	0.025	0.0111	0.50
1037:	31	11	21	1	31	31	10	22	1	31	124694.0664	0.0102	0.025	0.0111	0.50
1038:	39	1	38	1	39	38	2	37	1	38	124700.8580	-0.0028	0.025		
1039:	39	2	38	1	39	38	2	37	1	38	124710.4589	0.0020	0.025		
1040:	39	1	38	1	39	38	1	37	1	38	124714.1040	0.0112	0.025		
1041:	39	2	38	1	39	38	1	37	1	38	124723.6848	-0.0039	0.025		
1042:	30	11	19	1	30	30	10	20	1	30	124741.8062	0.0118	0.025	0.0114	0.50
1043:	30	11	20	1	30	30	10	21	1	30	124741.8062	0.0109	0.025	0.0114	0.50
1044:	28	11	17	1	28	28	10	18	1	28	124821.7506	0.0211	0.025	0.0211	0.50
1045:	28	11	18	1	28	28	10	19	1	28	124821.7506	0.0209	0.025	0.0211	0.50
1046:	26	11	15	1	26	26	10	16	1	26	124883.4277	0.0172	0.025	0.0172	0.50
1047:	26	11	16	1	26	26	10	17	1	26	124883.4277	0.0171	0.025	0.0172	0.50
1048:	25	11	14	1	25	25	10	15	1	25	124908.3001	0.0246	0.025	0.0247	0.50
1049:	25	11	15	1	25	25	10	16	1	25	124908.3001	0.0246	0.025	0.0247	0.50
1050:	37	7	30	1	37	36	7	29	1	36	124909.2900	0.0054	0.025		
1051:	24	11	13	1	24	24	10	14	1	24	124929.6501	0.0589	0.025	0.0589	0.50
1052:	24	11	14	1	24	24	10	15	1	24	124929.6501	0.0589	0.025	0.0589	0.50
1053:	23	11	12	1	23	23	10	13	1	23	124947.6857	0.0194	0.025	0.0194	0.50
1054:	23	11	13	1	23	23	10	14	1	23	124947.6857	0.0193	0.025	0.0194	0.50
1055:	22	11	11	1	22	22	10	12	1	22	124962.8060	0.0103	0.025	0.0103	0.50
1056:	22	11	12	1	22	22	10	13	1	22	124962.8060	0.0103	0.025	0.0103	0.50
1057:	21	11	10	1	21	21	10	11	1	21	124975.2726	0.0116	0.025	0.0116	0.50
1058:	21	11	11	1	21	21	10	12	1	21	124975.2726	0.0116	0.025	0.0116	0.50
1059:	40	1	40	1	40	39	1	39	1	39	125422.0170	0.0163	0.025	-0.0107	0.50
1060:	40	0	40	1	40	39	0	39	1	39	125422.0170	-0.0377	0.025	-0.0107	0.50
1061:	11	8	4	1	11	10	7	3	1	10	126178.1074	-0.0060	0.025	-0.0060	0.50

1062:	11	8	3	1	11	10	7	4	1	10	126178.1074	-0.0060	0.025	-0.0060	0.50
1063:	38	4	35	1	38	37	4	34	1	37	126268.1504	0.0042	0.025		
1064:	39	2	37	1	39	38	3	36	1	38	126900.6939	-0.0234	0.025		
1065:	39	3	37	1	39	38	3	36	1	38	127116.8830	-0.0355	0.025		
1066:	39	2	37	1	39	38	2	36	1	38	127187.6307	0.0088	0.025		
1067:	38	16	23	1	38	37	16	22	1	37	127316.6369	-0.0370	0.025	-0.0370	0.50
1068:	38	16	22	1	38	37	16	21	1	37	127316.6369	-0.0370	0.025	-0.0370	0.50
1069:	38	19	20	1	38	37	19	19	1	37	127323.5508	-0.0283	0.025	-0.0283	0.50
1070:	38	19	19	1	38	37	19	18	1	37	127323.5508	-0.0283	0.025	-0.0283	0.50
1071:	38	20	19	1	38	37	20	18	1	37	127335.4885	-0.0565	0.025	-0.0565	0.50
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1073:	39	3	37	1	39	38	2	36	1	38	127403.8179	-0.0052	0.025		
1074:	38	24	14	1	38	37	24	13	1	37	127417.0041	-0.0308	0.025	-0.0309	0.50
1075:	38	24	15	1	38	37	24	14	1	37	127417.0041	-0.0308	0.025	-0.0309	0.50
1076:	38	10	29	1	38	37	10	28	1	37	127589.4954	-0.0155	0.025	-0.0365	0.50
1077:	38	10	28	1	38	37	10	27	1	37	127589.4954	-0.0574	0.025	-0.0365	0.50
1078:	40	2	39	1	40	39	2	38	1	39	127809.8416	0.0108	0.025		
1079:	40	1	39	1	40	39	1	38	1	39	127812.4405	-0.0394	0.025		
1080:	40	2	39	1	40	39	1	38	1	39	127819.4179	-0.0088	0.025		
1081:	38	6	33	1	38	37	6	32	1	37	128371.0663	-0.0540	0.025		
1082:	19	6	14	1	19	18	5	13	1	18	128888.5445	-0.0296	0.025		
1083:	61	5	57	1	61	60	5	56	1	60	200018.0521	0.0608	0.030	0.0609	0.50
1084:	61	5	57	1	61	60	5	56	1	60	200018.0521	0.0608	0.030	0.0609	0.50
1085:	61	4	57	1	61	60	4	56	1	60	200048.8388	-0.0032	0.030		
1086:	26	10	17	1	26	25	9	16	1	25	200092.0158	0.0044	0.030	0.0038	0.50
1087:	26	10	16	1	26	25	9	17	1	25	200092.0158	0.0031	0.030	0.0038	0.50
1088:	61	5	57	1	61	60	4	56	1	60	200147.0388	0.0887	0.030		
1089:	59	9	50	1	59	58	9	49	1	58	200355.1138	0.0278	0.030		
1090:	59	6	53	1	59	58	6	52	1	58	200483.0577	-0.0404	0.030		
1091:	19	12	7	1	19	18	11	8	1	18	200492.7090	-0.0098	0.030	-0.0099	0.50
1092:	19	12	8	1	19	18	11	7	1	18	200492.7090	-0.0098	0.030	-0.0099	0.50
1093:	62	3	59	1	62	61	4	58	1	61	200646.3775	-0.0117	0.030		
1094:	62	4	59	1	62	61	4	58	1	61	200650.8222	-0.0256	0.030		
1095:	62	3	59	1	62	61	3	58	1	61	200652.3679	-0.0462	0.030		
1096:	62	4	59	1	62	61	3	58	1	61	200656.8821	0.0093	0.030		
1097:	60	21	39	1	60	59	21	38	1	59	200951.3690	0.0021	0.030	0.0021	0.50
1098:	60	21	40	1	60	59	21	39	1	59	200951.3690	0.0021	0.030	0.0021	0.50
1099:	60	22	38	1	60	59	22	37	1	59	200953.3222	0.0140	0.030	0.0140	0.50
1100:	60	22	39	1	60	59	22	38	1	59	200953.3222	0.0140	0.030	0.0140	0.50
1101:	60	20	40	1	60	59	20	39	1	59	200959.1850	0.0110	0.030	0.0111	0.50
1102:	60	20	41	1	60	59	20	40	1	59	200959.1850	0.0110	0.030	0.0111	0.50
1103:	60	23	37	1	60	59	23	36	1	59	200963.6824	0.0225	0.030	0.0225	0.50
1104:	60	23	38	1	60	59	23	37	1	59	200963.6824	0.0225	0.030	0.0225	0.50
1105:	60	19	41	1	60	59	19	40	1	59	200978.4525	0.0103	0.030	0.0103	0.50
1106:	60	19	42	1	60	59	19	41	1	59	200978.4525	0.0103	0.030	0.0103	0.50
1107:	60	24	36	1	60	59	24	35	1	59	200981.3802	0.0181	0.030	0.0182	0.50
1108:	60	24	37	1	60	59	24	36	1	59	200981.3802	0.0181	0.030	0.0182	0.50
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1113:	39	7	33	1	39	38	6	32	1	38	201021.5846	-0.0248	0.030		
1114:	60	26	34	1	60	59	26	33	1	59	201035.5986	0.0241	0.030	0.0242	0.50
1115:	60	26	35	1	60	59	26	34	1	59	201035.5986	0.0241	0.030	0.0242	0.50
1116:	60	17	43	1	60	59	17	42	1	59	201061.0212	0.0175	0.030	0.0175	0.50
1117:	60	17	44	1	60	59	17	43	1	59	201061.0212	0.0175	0.030	0.0175	0.50
1118:	60	27	33	1	60	59	27	32	1	59	201070.8466	0.0199	0.030	0.0199	0.50
1119:	60	27	34	1	60	59	27	33	1	59	201070.8466	0.0199	0.030	0.0199	0.50
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1122:	60	16	44	1	60	59	16	43	1	59	201131.2533	-0.0013	0.030	-0.0013	0.50
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1133:	60	32	28	1	60	59	32	27	1	59	201311.6463	0.0155	0.030	0.0156	0.50
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1135:	63	2	61	1	63	62	3	60	1	62	201336.9830	0.1344	0.030	-0.0191	0.30
1136:	63	3	61	1	63	62	3	60	1	62	201336.9830	0.0055	0.030	-0.0191	0.20
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1138:	63	3	61	1	63	62	2	60	1	62	201336.9830	-0.1726	0.030	-0.0191	0.30
1139:	60	14	47	1	60	59	14	46	1	59	201358.4262	0.0195	0.030	0.0169	0.50
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1143:	61	5	56	1	61	60	6	55	1	60	201399.0945	-0.0336	0.030		
1144:	60	34	26	1	60	59	34	25	1	59	201432.8384	0.0189	0.030	0.0190	0.50

1145:	60	34	27	1	60	59	34	26	1	59	201432.8384	0.0189	0.030	0.0190	0.50
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1150:	60	36	25	1	60	59	36	24	1	59	201565.8761	0.0032	0.030	0.0032	0.50
1151:	60	37	23	1	60	59	37	22	1	59	201636.5147	0.0150	0.030	0.0150	0.50
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1153:	60	12	49	1	60	59	12	48	1	59	201776.8493	-0.0262	0.030		
1154:	60	12	48	1	60	59	12	47	1	59	201778.2890	-0.0173	0.030		
1155:	60	39	21	1	60	59	39	20	1	59	201785.4173	0.0372	0.030	0.0373	0.50
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1161:	34	8	26	1	34	33	7	27	1	33	202041.3478	0.0164	0.030		
1162:	64	1	63	1	64	63	2	62	1	63	202051.4420	-0.0013	0.030	-0.0039	0.30
1163:	64	2	63	1	64	63	2	62	1	63	202051.4420	-0.0034	0.030	-0.0039	0.20
1164:	64	1	63	1	64	63	1	62	1	63	202051.4420	-0.0043	0.030	-0.0039	0.20
1165:	64	2	63	1	64	63	1	62	1	63	202051.4420	-0.0065	0.030	-0.0039	0.30
1166:	60	11	49	1	60	59	11	48	1	59	202127.1518	0.0115	0.030		
1167:	16	13	3	1	16	15	12	4	1	15	202288.8464	0.0383	0.030	0.0383	0.50
1168:	16	13	4	1	16	15	12	3	1	15	202288.8464	0.0383	0.030	0.0383	0.50
1169:	61	6	56	1	61	60	6	55	1	60	202490.7330	0.0470	0.030		
1170:	60	10	50	1	60	59	10	49	1	59	202705.8247	0.0202	0.030		
1171:	65	0	65	1	65	64	1	64	1	64	202776.9353	-0.0153	0.030	-0.0153	0.30
1172:	65	1	65	1	65	64	1	64	1	64	202776.9353	-0.0153	0.030	-0.0153	0.20
1173:	65	0	65	1	65	64	0	64	1	64	202776.9353	-0.0153	0.030	-0.0153	0.20
1174:	65	1	65	1	65	64	0	64	1	64	202776.9353	-0.0153	0.030	-0.0153	0.30
1175:	61	5	56	1	61	60	5	55	1	60	202786.2680	0.0020	0.030		
1176:	60	8	53	1	60	59	8	52	1	59	202787.4615	0.0340	0.030		
1177:	60	9	52	1	60	59	9	51	1	59	202941.8694	0.0362	0.030		
1178:	39	6	33	1	39	38	5	34	1	38	202969.9449	-0.0679	0.030		
1179:	62	4	58	1	62	61	5	57	1	61	203023.3522	0.0297	0.030		
1180:	62	5	58	1	62	61	5	57	1	61	203097.8120	0.0108	0.030		
1181:	62	4	58	1	62	61	4	57	1	61	203121.4563	0.0257	0.030		
1182:	62	5	58	1	62	61	4	57	1	61	203195.9097	0.0004	0.030		
1183:	59	7	52	1	59	58	7	51	1	58	203297.6214	0.0048	0.030		
1184:	60	6	54	1	60	59	6	53	1	59	203411.6092	-0.0133	0.030		
1185:	27	10	18	1	27	26	9	17	1	26	203416.1533	0.0211	0.030	0.0197	0.50
1186:	27	10	17	1	27	26	9	18	1	26	203416.1533	0.0183	0.030	0.0197	0.50
1187:	63	3	60	1	63	62	4	59	1	62	203730.6967	-0.0017	0.030		
1188:	63	4	60	1	63	62	4	59	1	62	203734.0279	0.0341	0.030		
1189:	63	3	60	1	63	62	3	59	1	62	203735.1104	-0.0465	0.030		
1190:	63	4	60	1	63	62	3	59	1	62	203738.4775	0.0252	0.030		
1191:	88	18	70	1	88	88	17	71	1	88	203785.7032	0.0881	0.030	-0.0088	0.50
1192:	88	18	71	1	88	88	17	72	1	88	203785.7032	-0.1056	0.030	-0.0088	0.50
1193:	20	12	8	1	20	19	11	9	1	19	203842.7666	-0.0232	0.030	-0.0233	0.50
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1195:	61	6	56	1	61	60	5	55	1	60	203877.8515	0.0277	0.030		
1196:	60	9	51	1	60	59	9	50	1	59	203968.8659	-0.0259	0.030		
1197:	87	18	69	1	87	87	17	70	1	87	204019.8440	0.1110	0.030	0.0433	0.50
1198:	87	18	70	1	87	87	17	71	1	87	204019.8440	-0.0243	0.030	0.0433	0.50
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1201:	61	21	40	1	61	60	21	39	1	60	204292.6935	-0.0181	0.030	-0.0181	0.50
1202:	61	21	41	1	61	60	21	40	1	60	204292.6935	-0.0181	0.030	-0.0181	0.50
1203:	61	22	39	1	61	60	22	38	1	60	204293.1629	0.0526	0.030	0.0527	0.50
1204:	61	22	40	1	61	60	22	39	1	60	204293.1629	0.0526	0.030	0.0527	0.50
1205:	61	23	38	1	61	60	23	37	1	60	204302.3735	0.1023	0.030	-0.0247	0.20
1206:	61	23	39	1	61	60	23	38	1	60	204302.3735	0.1023	0.030	-0.0247	0.20
1207:	61	20	41	1	61	60	20	40	1	60	204302.3735	-0.1093	0.030	-0.0247	0.30
1208:	61	20	42	1	61	60	20	41	1	60	204302.3735	-0.1093	0.030	-0.0247	0.30
1209:	61	24	37	1	61	60	24	36	1	60	204319.0945	0.0141	0.030	0.0142	0.50
1210:	61	24	38	1	61	60	24	37	1	60	204319.0945	0.0141	0.030	0.0142	0.50
1211:	61	19	42	1	61	60	19	41	1	60	204324.2134	-0.0139	0.030	-0.0140	0.50
1212:	61	19	43	1	61	60	19	42	1	60	204324.2134	-0.0139	0.030	-0.0140	0.50
1213:	61	25	36	1	61	60	25	35	1	60	204342.6618	0.0179	0.030	0.0180	0.50
1214:	61	25	37	1	61	60	25	36	1	60	204342.6618	0.0179	0.030	0.0180	0.50
1215:	61	18	43	1	61	60	18	42	1	60	204360.2692	-0.0252	0.030	-0.0252	0.50
1216:	61	18	44	1	61	60	18	43	1	60	204360.2692	-0.0252	0.030	-0.0252	0.50
1217:	61	26	35	1	61	60	26	34	1	60	204372.2290	-0.0073	0.030	-0.0074	0.50
1218:	61	26	36	1	61	60	26	35	1	60	204372.2290	-0.0073	0.030	-0.0074	0.50
1219:	61	27	34	1	61	60	27	33	1	60	204407.2720	0.0092	0.030	0.0093	0.50
1220:	61	27	35	1	61	60	27	34	1	60	204407.2720	0.0092	0.030	0.0093	0.50
1221:	61	17	44	1	61	60	17	43	1	60	204413.8161	0.0138	0.030	0.0138	0.50
1222:	61	17	45	1	61	60	17	44	1	60	204413.8161	0.0138	0.030	0.0138	0.50
1223:	64	2	62	1	64	63	3	61	1	63	204422.4349	0.1080	0.030	-0.0030	0.30
1224:	64	3	62	1	64	63	3	61	1	63	204422.4349	0.0148	0.030	-0.0030	0.20
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1226:	64	3	62	1	64	63	2	61	1	63	204422.4349	-0.1141	0.030	-0.0030	0.30
1227:	61	28	33	1	61	60	28	32	1	60	204447.2363	0.0066	0.030	0.0066	0.50

1228:	61	28	34	1	61	60	28	33	1	60	204447.2363	0.0066	0.030	0.0066	0.50
1229:	85	18	67	1	85	85	17	68	1	85	204458.2311	0.0367	0.030	0.0042	0.50
1230:	85	18	68	1	85	85	17	69	1	85	204458.2311	-0.0283	0.030	0.0042	0.50
1231:	61	16	45	1	61	60	16	44	1	60	204488.9965	0.0131	0.030	0.0132	0.50
1232:	61	16	46	1	61	60	16	45	1	60	204488.9965	0.0131	0.030	0.0132	0.50
1233:	61	29	32	1	61	60	29	31	1	60	204491.6896	-0.0348	0.030	-0.0348	0.50
1234:	61	29	33	1	61	60	29	32	1	60	204491.6896	-0.0348	0.030	-0.0348	0.50
1235:	61	30	31	1	61	60	30	30	1	60	204540.4287	0.0302	0.030	0.0303	0.50
1236:	61	30	32	1	61	60	30	31	1	60	204540.4287	0.0302	0.030	0.0303	0.50
1237:	61	15	47	1	61	60	15	46	1	60	204591.7503	0.0113	0.030	0.0112	0.50
1238:	61	15	46	1	61	60	15	45	1	60	204591.7503	0.0109	0.030	0.0112	0.50
1239:	61	31	31	1	61	60	31	30	1	60	204592.9292	-0.0256	0.030	-0.0257	0.50
1240:	61	31	30	1	61	60	31	29	1	60	204592.9292	-0.0256	0.030	-0.0257	0.50
1241:	61	32	29	1	61	60	32	28	1	60	204649.0832	-0.0557	0.030	-0.0558	0.50
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1243:	84	18	66	1	84	84	17	67	1	84	204663.2085	0.0156	0.030	-0.0067	0.50
1244:	84	18	67	1	84	84	17	68	1	84	204663.2085	-0.0290	0.030	-0.0067	0.50
1245:	61	33	28	1	61	60	33	27	1	60	204708.6676	-0.0626	0.030	-0.0626	0.50
1246:	61	33	29	1	61	60	33	28	1	60	204708.6676	-0.0626	0.030	-0.0626	0.50
1247:	61	7	55	1	61	60	7	54	1	60	204711.4034	-0.0140	0.030		
1248:	62	5	57	1	62	61	6	56	1	61	204722.2631	0.0001	0.030		
1249:	61	14	48	1	61	60	14	47	1	60	204730.5800	0.0022	0.030	-0.0018	0.50
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1251:	61	34	27	1	61	60	34	26	1	60	204771.5359	-0.0003	0.030	-0.0004	0.50
1252:	61	34	28	1	61	60	34	27	1	60	204771.5359	-0.0003	0.030	-0.0004	0.50
1253:	83	18	65	1	83	83	17	66	1	83	204859.1594	0.0402	0.030	0.0250	0.50
1254:	83	18	66	1	83	83	17	67	1	83	204859.1594	0.0096	0.030	0.0250	0.50
1255:	61	36	25	1	61	60	36	24	1	60	204906.1405	0.0036	0.030	0.0036	0.50
1256:	61	36	26	1	61	60	36	25	1	60	204906.1405	0.0036	0.030	0.0036	0.50
1257:	61	13	49	1	61	60	13	48	1	60	204918.3462	0.0703	0.030	-0.0005	0.50
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1259:	61	37	24	1	61	60	37	23	1	60	204977.6464	-0.0027	0.030	-0.0027	0.50
1260:	61	37	25	1	61	60	37	24	1	60	204977.6464	-0.0027	0.030	-0.0027	0.50
1261:	82	18	64	1	82	82	17	65	1	82	205046.2833	0.0121	0.030	0.0017	0.50
1262:	82	18	65	1	82	82	17	66	1	82	205046.2833	-0.0086	0.030	0.0017	0.50
1263:	61	38	23	1	61	60	38	22	1	60	205051.7765	-0.0292	0.030	-0.0293	0.50
1264:	61	38	24	1	61	60	38	23	1	60	205051.7765	-0.0292	0.030	-0.0293	0.50
1265:	61	39	22	1	61	60	39	21	1	60	205128.5495	0.0501	0.030	0.0501	0.50
1266:	61	39	23	1	61	60	39	22	1	60	205128.5495	0.0501	0.030	0.0501	0.50
1267:	65	1	64	1	65	64	2	63	1	64	205137.8451	-0.0143	0.030	-0.0162	0.30
1268:	65	2	64	1	65	64	2	63	1	64	205137.8451	-0.0158	0.030	-0.0162	0.20
1269:	65	1	64	1	65	64	1	63	1	64	205137.8451	-0.0165	0.030	-0.0162	0.20
1270:	65	2	64	1	65	64	1	63	1	64	205137.8451	-0.0180	0.030	-0.0162	0.30
1271:	61	12	50	1	61	60	12	49	1	60	205174.6274	0.0238	0.030		
1272:	61	12	49	1	61	60	12	48	1	60	205176.6613	0.0100	0.030		
1273:	81	18	63	1	81	81	17	64	1	81	205224.9657	0.0292	0.030	0.0222	0.50
1274:	81	18	64	1	81	81	17	65	1	81	205224.9657	0.0151	0.030	0.0222	0.50
1275:	24	11	14	1	24	23	10	13	1	23	205344.9349	-0.0049	0.030	-0.0050	0.50
1276:	24	11	13	1	24	23	10	14	1	23	205344.9349	-0.0049	0.030	-0.0050	0.50
1277:	61	11	51	1	61	60	11	50	1	60	205526.9420	0.0214	0.030		
1278:	61	44	17	1	61	60	44	16	1	60	205546.8386	-0.0515	0.030	-0.0516	0.50
1279:	61	44	18	1	61	60	44	17	1	60	205546.8386	-0.0515	0.030	-0.0516	0.50
1280:	61	11	50	1	61	60	11	49	1	60	205550.6769	0.0210	0.030		
1281:	79	18	61	1	79	79	17	62	1	79	205557.8514	-0.0570	0.030	-0.0602	0.50
1282:	79	18	62	1	79	79	17	63	1	79	205557.8514	-0.0632	0.030	-0.0602	0.50
1283:	62	6	57	1	62	61	6	56	1	61	205578.1172	0.0358	0.030		
1284:	17	13	4	1	17	16	12	5	1	16	205641.8924	0.0352	0.030	0.0353	0.50
1285:	17	13	5	1	17	16	12	4	1	16	205641.8924	0.0352	0.030	0.0353	0.50
1286:	62	5	57	1	62	61	5	56	1	61	205813.8130	-0.0078	0.030		
1287:	77	18	59	1	77	77	17	60	1	77	205860.1711	0.0211	0.030	0.0198	0.50
1288:	77	18	60	1	77	77	17	61	1	77	205860.1711	0.0184	0.030	0.0198	0.50
1289:	66	0	66	1	66	65	0	65	1	65	205863.7707	-0.0147	0.030	-0.0148	0.20
1290:	66	0	66	1	66	65	1	65	1	65	205863.7707	-0.0147	0.030	-0.0148	0.30
1291:	66	1	66	1	66	65	0	65	1	65	205863.7707	-0.0148	0.030	-0.0148	0.30
1292:	66	1	66	1	66	65	1	65	1	65	205863.7707	-0.0147	0.030	-0.0148	0.20
1293:	61	10	52	1	61	60	10	51	1	60	205978.5649	0.0345	0.030		
1294:	76	18	58	1	76	76	17	59	1	76	206000.3835	0.0117	0.030	0.0108	0.50
1295:	76	18	59	1	76	76	17	60	1	76	206000.3835	0.0099	0.030	0.0108	0.50
1296:	61	8	54	1	61	60	8	53	1	60	206085.4816	-0.0283	0.030		
1297:	63	4	59	1	63	62	5	58	1	62	206120.4136	-0.0056	0.030		
1298:	75	18	57	1	75	75	17	58	1	75	206133.6391	-0.0067	0.030	-0.0074	0.50
1299:	75	18	58	1	75	75	17	59	1	75	206133.6391	-0.0079	0.030	-0.0074	0.50
1300:	63	5	59	1	63	62	5	58	1	62	206176.8908	0.0443	0.030		
1301:	61	10	51	1	61	60	10	50	1	60	206188.5086	0.0033	0.030		
1302:	63	4	59	1	63	62	4	58	1	62	206194.8559	-0.0420	0.030		
1303:	60	8	52	1	60	59	8	51	1	59	206222.8614	-0.0001	0.030		
1304:	63	5	59	1	63	62	4	58	1	62	206251.2664	-0.0587	0.030		
1305:	74	18	56	1	74	74	17	57	1	74	206260.1891	-0.0132	0.030	-0.0136	0.50
1306:	74	18	57	1	74	74	17	58	1	74	206260.1891	-0.0139	0.030	-0.0136	0.50
1307:	61	6	55	1	61	60	6	54	1	60	206332.5223	-0.0036	0.030		
1308:	61	9	53	1	61	60	9	52	1	60	206348.8286	0.0068	0.030		
1309:	66	7	59	1	66	65	8	58	1	65	206362.6359	0.0063	0.030		
1310:	39	7	32	1	39	38	6	33	1	38	206463.6015	-0.0050	0.030		

1311:	72	18	54	1	72	72	17	55	1	72	206494.0407	-0.0093	0.030	-0.0095	0.50
1312:	72	18	55	1	72	72	17	56	1	72	206494.0407	-0.0096	0.030	-0.0095	0.50
1313:	60	7	53	1	60	59	7	52	1	59	206563.5252	0.0045	0.030		
1314:	71	18	53	1	71	71	17	54	1	71	206601.7260	-0.0439	0.030	-0.0440	0.50
1315:	71	18	54	1	71	71	17	55	1	71	206601.7260	-0.0441	0.030	-0.0440	0.50
1316:	62	6	57	1	62	61	5	56	1	61	206669.6171	-0.0220	0.030		
1317:	70	18	52	1	70	70	17	53	1	70	206703.6143	-0.0158	0.030	-0.0159	0.50
1318:	70	18	53	1	70	70	17	54	1	70	206703.6143	-0.0160	0.030	-0.0159	0.50
1319:	28	10	19	1	28	27	9	18	1	27	206736.0664	0.0155	0.030	0.0129	0.50
1320:	28	10	18	1	28	27	9	19	1	27	206736.0664	0.0101	0.030	0.0129	0.50
1321:	69	18	51	1	69	69	17	52	1	69	206799.7980	-0.0331	0.030	-0.0332	0.50
1322:	69	18	52	1	69	69	17	53	1	69	206799.7980	-0.0332	0.030	-0.0332	0.50
1323:	64	3	61	1	64	63	4	60	1	63	206814.1766	-0.0036	0.030		
1324:	64	4	61	1	64	63	4	60	1	63	206816.5969	-0.0160	0.030		
1325:	64	3	61	1	64	63	3	60	1	63	206817.4833	0.0077	0.030		
1326:	64	4	61	1	64	63	3	60	1	63	206819.8699	-0.0383	0.030		
1327:	68	18	50	1	68	68	17	51	1	68	206890.5841	0.0159	0.030	0.0160	0.50
1328:	68	18	51	1	68	68	17	52	1	68	206890.5841	0.0159	0.030	0.0160	0.50
1329:	67	18	49	1	67	67	17	50	1	67	206976.0177	-0.0137	0.030	-0.0138	0.50
1330:	67	18	50	1	67	67	17	51	1	67	206976.0177	-0.0138	0.030	-0.0138	0.50
1331:	66	18	48	1	66	66	17	49	1	66	207056.3955	-0.0114	0.030	-0.0115	0.50
1332:	66	18	49	1	66	66	17	50	1	66	207056.3955	-0.0114	0.030	-0.0115	0.50
1333:	65	18	47	1	65	65	17	48	1	65	207131.8588	-0.0169	0.030	-0.0170	0.50
1334:	65	18	48	1	65	65	17	49	1	65	207131.8588	-0.0169	0.030	-0.0170	0.50
1335:	21	12	9	1	21	20	11	10	1	20	207192.0934	-0.0051	0.030	-0.0051	0.50
1336:	21	12	10	1	21	20	11	9	1	20	207192.0934	-0.0051	0.030	-0.0051	0.50
1337:	64	18	46	1	64	64	17	47	1	64	207202.5990	-0.0157	0.030	-0.0158	0.50
1338:	64	18	47	1	64	64	17	48	1	64	207202.5990	-0.0157	0.030	-0.0158	0.50
1339:	63	18	45	1	63	63	17	46	1	63	207268.7929	-0.0038	0.030	-0.0038	0.50
1340:	63	18	46	1	63	63	17	47	1	63	207268.7929	-0.0038	0.030	-0.0038	0.50
1341:	62	18	44	1	62	62	17	45	1	62	207330.5726	-0.0177	0.030	-0.0177	0.50
1342:	62	18	45	1	62	62	17	46	1	62	207330.5726	-0.0177	0.030	-0.0177	0.50
1343:	61	18	43	1	61	61	17	44	1	61	207388.1369	-0.0235	0.030	-0.0236	0.50
1344:	61	18	44	1	61	61	17	45	1	61	207388.1369	-0.0235	0.030	-0.0236	0.50
1345:	43	7	37	1	43	42	6	36	1	42	207412.1117	0.0075	0.030		
1346:	14	14	0	1	14	13	13	1	1	13	207414.5121	0.0119	0.030	0.0120	0.50
1347:	14	14	1	1	14	13	13	0	1	13	207414.5121	0.0119	0.030	0.0120	0.50
1348:	60	18	42	1	60	60	17	43	1	60	207441.6429	-0.0254	0.030	-0.0254	0.50
1349:	60	18	43	1	60	60	17	44	1	60	207441.6429	-0.0254	0.030	-0.0254	0.50
1350:	59	18	41	1	59	59	17	42	1	59	207491.2538	-0.0176	0.030	-0.0176	0.50
1351:	59	18	42	1	59	59	17	43	1	59	207491.2538	-0.0176	0.030	-0.0176	0.50
1352:	65	2	63	1	65	64	3	62	1	64	207507.2661	0.0883	0.030	0.0080	0.30
1353:	65	3	63	1	65	64	3	62	1	64	207507.2661	0.0209	0.030	0.0080	0.20
1354:	65	2	63	1	65	64	2	62	1	64	207507.2661	-0.0048	0.030	0.0080	0.20
1355:	65	3	63	1	65	64	2	62	1	64	207507.2661	-0.0722	0.030	0.0080	0.30
1356:	58	18	40	1	58	58	17	41	1	58	207537.0905	-0.0334	0.030	-0.0334	0.50
1357:	58	18	41	1	58	58	17	42	1	58	207537.0905	-0.0334	0.030	-0.0334	0.50
1358:	57	18	39	1	57	57	17	40	1	57	207579.3697	-0.0067	0.030	-0.0068	0.50
1359:	57	18	40	1	57	57	17	41	1	57	207579.3697	-0.0067	0.030	-0.0068	0.50
1360:	61	9	52	1	61	60	9	51	1	60	207608.1679	-0.0426	0.030		
1361:	56	18	38	1	56	56	17	39	1	56	207618.1592	-0.0173	0.030	-0.0173	0.50
1362:	56	18	39	1	56	56	17	40	1	56	207618.1592	-0.0173	0.030	-0.0173	0.50
1363:	62	22	40	1	62	61	22	39	1	61	207632.3918	-0.0095	0.030	-0.0095	0.50
1364:	62	22	41	1	62	61	22	40	1	61	207632.3918	-0.0095	0.030	-0.0095	0.50
1365:	62	21	42	1	62	61	21	41	1	61	207633.6358	0.0147	0.030	0.0147	0.50
1366:	62	21	41	1	62	61	21	40	1	61	207633.6358	0.0147	0.030	0.0147	0.50
1367:	62	23	39	1	62	61	23	38	1	61	207640.2942	-0.0125	0.030	-0.0125	0.50
1368:	62	23	40	1	62	61	23	39	1	61	207640.2942	-0.0125	0.030	-0.0125	0.50
1369:	62	20	42	1	62	61	20	41	1	61	207645.4623	0.0167	0.030	0.0168	0.50
1370:	62	20	43	1	62	61	20	42	1	61	207645.4623	0.0167	0.030	0.0168	0.50
1371:	55	18	37	1	55	55	17	38	1	55	207653.6433	-0.0250	0.030	-0.0251	0.50
1372:	55	18	38	1	55	55	17	39	1	55	207653.6433	-0.0250	0.030	-0.0251	0.50
1373:	62	24	38	1	62	61	24	37	1	61	207656.1536	-0.0130	0.030	-0.0130	0.50
1374:	62	24	39	1	62	61	24	38	1	61	207656.1536	-0.0130	0.030	-0.0130	0.50
1375:	62	19	43	1	62	61	19	42	1	61	207669.7726	0.0002	0.030	0.0003	0.50
1376:	62	19	44	1	62	61	19	43	1	61	207669.7726	0.0002	0.030	0.0003	0.50
1377:	62	25	37	1	62	61	25	36	1	61	207679.0321	-0.0107	0.030	-0.0108	0.50
1378:	62	25	38	1	62	61	25	37	1	61	207679.0321	-0.0107	0.030	-0.0108	0.50
1379:	54	18	36	1	54	54	17	37	1	54	207686.0052	0.0120	0.030	0.0121	0.50
1380:	54	18	37	1	54	54	17	38	1	54	207686.0052	0.0120	0.030	0.0121	0.50
1381:	62	26	37	1	62	61	26	36	1	61	207708.1979	0.0235	0.030	0.0236	0.50
1382:	62	26	36	1	62	61	26	35	1	61	207708.1979	0.0235	0.030	0.0236	0.50
1383:	62	18	45	1	62	61	18	44	1	61	207709.0434	-0.0326	0.030	-0.0327	0.50
1384:	62	18	44	1	62	61	18	43	1	61	207709.0434	-0.0326	0.030	-0.0327	0.50
1385:	18	18	0	1	18	18	17	1	1	18	207709.8636	0.0398	0.030	0.0399	0.50
1386:	18	18	1	1	18	18	17	2	1	18	207709.8636	0.0398	0.030	0.0399	0.50
1387:	53	18	36	1	53	53	17	37	1	53	207715.2757	-0.0132	0.030	-0.0133	0.50
1388:	53	18	35	1	53	53	17	36	1	53	207715.2757	-0.0132	0.030	-0.0133	0.50
1389:	19	18	1	1	19	19	17	2	1	19	207719.8062	-0.0113	0.030	-0.0114	0.50
1390:	19	18	2	1	19	19	17	3	1	19	207719.8062	-0.0113	0.030	-0.0114	0.50
1391:	20	18	2	1	20	20	17	3	1	20	207730.0052	0.0007	0.030	0.0007	0.50
1392:	20	18	3	1	20	20	17	4	1	20	207730.0052	0.0007	0.030	0.0007	0.50
1393:	21	18	3	1	21	21	17	4	1	21	207740.3152	-0.0183	0.030	-0.0184	0.50

1394:	21	18	4	1	21	21	17	5	1	21	207740.3152	-0.0183	0.030	-0.0184	0.50
1395:	52	18	35	1	52	52	17	36	1	52	207741.6925	0.0013	0.030	0.0014	0.50
1396:	52	18	34	1	52	52	17	35	1	52	207741.6925	0.0013	0.030	0.0014	0.50
1397:	62	27	36	1	62	61	27	35	1	61	207742.9197	-0.0172	0.030	-0.0172	0.50
1398:	62	27	35	1	62	61	27	34	1	61	207742.9197	-0.0172	0.030	-0.0172	0.50
1399:	22	18	5	1	22	22	17	6	1	22	207750.7526	0.0010	0.030	0.0010	0.50
1400:	22	18	4	1	22	22	17	5	1	22	207750.7526	0.0010	0.030	0.0010	0.50
1401:	23	18	6	1	23	23	17	7	1	23	207761.2050	0.0022	0.030	0.0022	0.50
1402:	23	18	5	1	23	23	17	6	1	23	207761.2050	0.0022	0.030	0.0022	0.50
1403:	51	18	34	1	51	51	17	35	1	51	207765.3350	0.0031	0.030	0.0031	0.50
1404:	51	18	33	1	51	51	17	34	1	51	207765.3350	0.0031	0.030	0.0031	0.50
1405:	62	17	46	1	62	61	17	45	1	61	207766.6476	0.0013	0.030	0.0014	0.50
1406:	62	17	45	1	62	61	17	44	1	61	207766.6476	0.0013	0.030	0.0014	0.50
1407:	24	18	6	1	24	24	17	7	1	24	207771.6237	-0.0052	0.030	-0.0053	0.50
1408:	24	18	7	1	24	24	17	8	1	24	207771.6237	-0.0052	0.030	-0.0053	0.50
1409:	50	18	32	1	50	50	17	33	1	50	207786.3434	0.0027	0.030	0.0027	0.50
1410:	50	18	33	1	50	50	17	34	1	50	207786.3434	0.0027	0.030	0.0027	0.50
1411:	26	18	9	1	26	26	17	10	1	26	207792.1692	0.0077	0.030	0.0077	0.50
1412:	26	18	8	1	26	26	17	9	1	26	207792.1692	0.0077	0.030	0.0077	0.50
1413:	27	18	10	1	27	27	17	11	1	27	207802.1292	-0.0101	0.030	-0.0101	0.50
1414:	27	18	9	1	27	27	17	10	1	27	207802.1292	-0.0101	0.030	-0.0101	0.50
1415:	49	18	31	1	49	49	17	32	1	49	207804.8706	0.0262	0.030	0.0262	0.50
1416:	49	18	32	1	49	49	17	33	1	49	207804.8706	0.0262	0.030	0.0262	0.50
1417:	28	18	10	1	28	28	17	11	1	28	207811.8405	0.0052	0.030	0.0053	0.50
1418:	28	18	11	1	28	28	17	12	1	28	207811.8405	0.0052	0.030	0.0053	0.50
1419:	48	18	31	1	48	48	17	32	1	48	207821.0578	0.0908	0.030	0.0060	0.30
1420:	48	18	30	1	48	48	17	31	1	48	207821.0578	0.0908	0.030	0.0060	0.30
1421:	29	18	11	1	29	29	17	12	1	29	207821.0578	-0.1212	0.030	0.0060	0.20
1422:	29	18	12	1	29	29	17	13	1	29	207821.0578	-0.1212	0.030	0.0060	0.20
1423:	62	29	33	1	62	61	29	32	1	61	207827.3713	-0.0005	0.030	-0.0006	0.50
1424:	62	29	34	1	62	61	29	33	1	61	207827.3713	-0.0005	0.030	-0.0006	0.50
1425:	30	18	12	1	30	30	17	13	1	30	207830.1028	0.0048	0.030	0.0048	0.50
1426:	30	18	13	1	30	30	17	14	1	30	207830.1028	0.0048	0.030	0.0048	0.50
1427:	47	18	30	1	47	47	17	31	1	47	207834.8121	-0.0176	0.030	-0.0176	0.50
1428:	47	18	29	1	47	47	17	30	1	47	207834.8121	-0.0176	0.030	-0.0176	0.50
1429:	31	18	14	1	31	31	17	15	1	31	207838.5049	-0.0123	0.030	-0.0123	0.50
1430:	31	18	13	1	31	31	17	14	1	31	207838.5049	-0.0123	0.030	-0.0123	0.50
1431:	32	18	14	1	32	32	17	15	1	32	207846.4438	0.0845	0.030	0.0845	0.50
1432:	32	18	15	1	32	32	17	16	1	32	207846.4438	0.0845	0.030	0.0845	0.50
1433:	45	18	27	1	45	45	17	28	1	45	207856.2409	-0.0075	0.030	-0.0075	0.50
1434:	45	18	28	1	45	45	17	29	1	45	207856.2409	-0.0075	0.030	-0.0075	0.50
1435:	62	7	56	1	62	61	7	55	1	61	207859.9540	0.0296	0.030	-0.0100	0.40
1436:	34	18	16	1	34	34	17	17	1	34	207859.9540	-0.0365	0.030	-0.0100	0.30
1437:	34	18	17	1	34	34	17	18	1	34	207859.9540	-0.0365	0.030	-0.0100	0.30
1438:	44	18	26	1	44	44	17	27	1	44	207864.0346	0.0005	0.030	0.0005	0.50
1439:	44	18	27	1	44	44	17	28	1	44	207864.0346	0.0005	0.030	0.0005	0.50
1440:	35	18	18	1	35	35	17	19	1	35	207865.6002	-0.0128	0.030	-0.0129	0.50
1441:	35	18	17	1	35	35	17	18	1	35	207865.6002	-0.0128	0.030	-0.0129	0.50
1442:	39	18	22	1	39	39	17	23	1	39	207878.1680	0.0735	0.030	-0.0188	0.20
1443:	39	18	21	1	39	39	17	22	1	39	207878.1680	0.0735	0.030	-0.0188	0.20
1444:	40	18	22	1	40	40	17	23	1	40	207878.1680	-0.0804	0.030	-0.0188	0.30
1445:	40	18	23	1	40	40	17	24	1	40	207878.1680	-0.0804	0.030	-0.0188	0.30
1446:	62	31	31	1	62	61	31	30	1	61	207929.0819	-0.0463	0.030	-0.0464	0.50
1447:	62	31	32	1	62	61	31	31	1	61	207929.0819	-0.0463	0.030	-0.0464	0.50
1448:	62	15	48	1	62	61	15	47	1	61	207956.2290	-0.0281	0.030	-0.0285	0.50
1449:	62	15	47	1	62	61	15	46	1	61	207956.2290	-0.0287	0.030	-0.0285	0.50
1450:	62	32	30	1	62	61	32	29	1	61	207985.7938	0.0445	0.030	0.0446	0.50
1451:	62	32	31	1	62	61	32	30	1	61	207985.7938	0.0445	0.030	0.0446	0.50
1452:	63	5	58	1	63	62	6	57	1	62	207992.9902	0.0512	0.030		
1453:	62	33	29	1	62	61	33	28	1	61	208045.7937	-0.0856	0.030	-0.0857	0.50
1454:	62	33	30	1	62	61	33	29	1	61	208045.7937	-0.0856	0.030	-0.0857	0.50
1455:	62	14	49	1	62	61	14	48	1	61	208103.5788	-0.0178	0.030	-0.0240	0.50
1456:	62	14	48	1	62	61	14	47	1	61	208103.5788	-0.0301	0.030	-0.0240	0.50
1457:	62	35	27	1	62	61	35	26	1	61	208175.8362	-0.0520	0.030	-0.0520	0.50
1458:	62	35	28	1	62	61	35	27	1	61	208175.8362	-0.0520	0.030	-0.0520	0.50
1459:	66	1	65	1	66	65	2	64	1	65	208223.6034	-0.0211	0.030	-0.0224	0.30
1460:	66	2	65	1	66	65	2	64	1	65	208223.6034	-0.0222	0.030	-0.0224	0.20
1461:	66	1	65	1	66	65	1	64	1	65	208223.6034	-0.0226	0.030	-0.0224	0.20
1462:	66	2	65	1	66	65	1	64	1	65	208223.6034	-0.0237	0.030	-0.0224	0.30
1463:	62	36	26	1	62	61	36	25	1	61	208245.4600	0.0250	0.030	0.0251	0.50
1464:	62	36	27	1	62	61	36	26	1	61	208245.4600	0.0250	0.030	0.0251	0.50
1465:	62	13	50	1	62	61	13	49	1	61	208302.7196	0.1111	0.030	0.0067	0.50
1466:	62	13	49	1	62	61	13	48	1	61	208302.7196	-0.0976	0.030	0.0067	0.50
1467:	62	38	24	1	62	61	38	23	1	61	208392.9348	0.0180	0.030	0.0180	0.50
1468:	62	38	25	1	62	61	38	24	1	61	208392.9348	0.0180	0.030	0.0180	0.50
1469:	36	8	28	1	36	35	7	29	1	35	208409.4095	0.0115	0.030	0.0115	0.50
1470:	36	8	28	1	36	35	7	29	1	35	208409.4095	0.0115	0.030	0.0115	0.50
1471:	62	12	51	1	62	61	12	50	1	61	208574.3325	-0.0015	0.030		
1472:	62	12	50	1	62	61	12	49	1	61	208577.2181	-0.0243	0.030		
1473:	40	6	34	1	40	39	5	35	1	39	208620.5155	0.0258	0.030		
1474:	62	41	21	1	62	61	41	20	1	61	208633.4255	0.0024	0.030	0.0024	0.50
1475:	62	41	22	1	62	61	41	21	1	61	208633.4255	0.0024	0.030	0.0024	0.50
1476:	63	6	58	1	63	62	6	57	1	62	208661.6777	0.0116	0.030		

1477:	25	11	14	1	25	24	10	15	1	24	208684.0721	-0.0181	0.030	-0.0181	0.50
1478:	25	11	15	1	25	24	10	14	1	24	208684.0721	-0.0181	0.030	-0.0181	0.50
1479:	63	5	58	1	63	62	5	57	1	62	208848.7930	0.0356	0.030		
1480:	62	11	52	1	62	61	11	51	1	61	208946.4344	0.0041	0.030		
1481:	67	0	67	1	67	66	0	66	1	66	208949.9370	-0.0281	0.030	-0.0282	0.20
1482:	67	0	67	1	67	66	1	66	1	66	208949.9370	-0.0281	0.030	-0.0282	0.30
1483:	67	1	67	1	67	66	1	66	1	66	208949.9370	-0.0281	0.030	-0.0282	0.20
1484:	67	1	67	1	67	66	0	66	1	66	208949.9370	-0.0281	0.030	-0.0282	0.30
1485:	62	11	51	1	62	61	11	50	1	61	208978.8022	0.0026	0.030		
1486:	18	13	5	1	18	17	12	6	1	17	208994.7524	-0.0085	0.030	-0.0085	0.50
1487:	18	13	6	1	18	17	12	5	1	17	208994.7524	-0.0085	0.030	-0.0085	0.50
1488:	64	4	60	1	64	63	5	59	1	63	209212.5993	0.0506	0.030		
1489:	62	6	56	1	62	61	6	55	1	61	209253.2021	-0.0197	0.030		
1490:	64	5	60	1	64	63	5	59	1	63	209255.2372	0.0180	0.030		
1491:	64	4	60	1	64	63	4	59	1	63	209269.0464	0.0705	0.030		
1492:	64	5	60	1	64	63	4	59	1	63	209311.6940	0.0476	0.030		
1493:	62	8	55	1	62	61	8	54	1	61	209365.5630	-0.0264	0.030		
1494:	62	10	53	1	62	61	10	52	1	61	209411.5778	0.0503	0.030		
1495:	63	6	58	1	63	62	5	57	1	62	209517.4810	-0.0034	0.030		
1496:	46	7	40	1	46	45	6	39	1	45	209650.3887	0.0322	0.030		
1497:	62	10	52	1	62	61	10	51	1	61	209684.6568	0.0823	0.030		
1498:	62	9	54	1	62	61	9	53	1	61	209746.6838	0.0292	0.030		
1499:	61	7	54	1	61	60	7	53	1	60	209767.7890	0.0125	0.030		
1500:	64	6	58	1	64	63	7	57	1	63	209789.5477	-0.0170	0.030		
1501:	55	7	49	1	55	54	6	48	1	54	209792.2567	0.0202	0.030		
1502:	61	8	53	1	61	60	8	52	1	60	209870.6100	-0.0141	0.030		
1503:	65	3	62	1	65	64	4	61	1	64	209896.9143	0.0162	0.030		
1504:	65	4	62	1	65	64	4	61	1	64	209898.7365	0.0445	0.030		
1505:	65	3	62	1	65	64	3	61	1	64	209899.3726	0.0418	0.030		
1506:	65	4	62	1	65	64	3	61	1	64	209901.1674	0.0427	0.030		
1507:	56	7	50	1	56	55	6	49	1	55	210019.3359	-0.0350	0.030		
1508:	29	10	20	1	29	28	9	19	1	28	210051.3524	0.0073	0.030	0.0021	0.50
1509:	29	10	19	1	29	28	9	20	1	28	210051.3524	-0.0032	0.030	0.0021	0.50
1510:	40	7	33	1	40	39	6	34	1	39	210063.7604	0.0355	0.030		
1511:	50	7	44	1	50	49	6	43	1	49	210092.1460	0.0492	0.030		
1512:	48	7	42	1	48	47	6	41	1	47	210130.7667	0.0274	0.030		
1513:	57	7	51	1	57	56	6	50	1	56	210425.4254	0.0219	0.030		
1514:	22	12	10	1	22	21	11	11	1	21	210540.4353	-0.0515	0.030	-0.0515	0.50
1515:	22	12	11	1	22	21	11	10	1	21	210540.4353	-0.0515	0.030	-0.0515	0.50
1516:	66	2	64	1	66	65	3	63	1	65	210591.4356	0.0444	0.030	-0.0136	0.30
1517:	66	3	64	1	66	65	3	63	1	65	210591.4356	-0.0042	0.030	-0.0136	0.20
1518:	66	2	64	1	66	65	2	63	1	65	210591.4356	-0.0229	0.030	-0.0136	0.20
1519:	66	3	64	1	66	65	2	63	1	65	210591.4356	-0.0715	0.030	-0.0136	0.30
1520:	63	22	41	1	63	62	22	40	1	62	210971.1862	0.0161	0.030	0.0161	0.50
1521:	63	22	42	1	63	62	22	41	1	62	210971.1862	0.0161	0.030	0.0161	0.50
1522:	63	21	43	1	63	62	21	42	1	62	210974.0932	0.0082	0.030	0.0083	0.50
1523:	63	21	42	1	63	62	21	41	1	62	210974.0932	0.0082	0.030	0.0083	0.50
1524:	63	23	40	1	63	62	23	39	1	62	210977.7593	0.0053	0.030	0.0053	0.50
1525:	63	23	41	1	63	62	23	40	1	62	210977.7593	0.0053	0.030	0.0053	0.50
1526:	63	20	43	1	63	62	20	42	1	62	210988.0098	-0.0432	0.030	-0.0433	0.50
1527:	63	20	44	1	63	62	20	43	1	62	210988.0098	-0.0432	0.030	-0.0433	0.50
1528:	63	24	39	1	63	62	24	38	1	62	210992.6017	-0.0060	0.030	-0.0061	0.50
1529:	63	24	40	1	63	62	24	39	1	62	210992.6017	-0.0060	0.030	-0.0061	0.50
1530:	63	7	57	1	63	62	7	56	1	62	210995.6173	-0.0789	0.030		
1531:	63	26	37	1	63	62	26	36	1	62	211043.3668	-0.0071	0.030	-0.0072	0.50
1532:	63	26	38	1	63	62	26	37	1	62	211043.3668	-0.0071	0.030	-0.0072	0.50
1533:	63	18	45	1	63	62	18	44	1	62	211057.7307	-0.0104	0.030	-0.0105	0.50
1534:	63	18	46	1	63	62	18	45	1	62	211057.7307	-0.0104	0.030	-0.0105	0.50
1535:	63	27	36	1	63	62	27	35	1	62	211077.8268	-0.0075	0.030	-0.0075	0.50
1536:	63	27	37	1	63	62	27	36	1	62	211077.8268	-0.0075	0.030	-0.0075	0.50
1537:	63	17	46	1	63	62	17	45	1	62	211119.5122	-0.0225	0.030	-0.0226	0.50
1538:	63	17	47	1	63	62	17	46	1	62	211119.5122	-0.0225	0.030	-0.0226	0.50
1539:	33	9	25	1	33	32	8	24	1	32	211124.3872	-0.0190	0.030		
1540:	63	28	35	1	63	62	28	34	1	62	211117.6098	0.0231	0.030	0.0232	0.50
1541:	63	28	36	1	63	62	28	35	1	62	211117.6098	0.0231	0.030	0.0232	0.50
1542:	63	29	34	1	63	62	29	33	1	62	211162.1600	-0.0182	0.030	-0.0183	0.50
1543:	63	29	35	1	63	62	29	34	1	62	211162.1600	-0.0182	0.030	-0.0183	0.50
1544:	63	16	48	1	63	62	16	47	1	62	211205.1650	-0.0112	0.030	-0.0113	0.50
1545:	63	16	47	1	63	62	16	46	1	62	211205.1650	-0.0113	0.030	-0.0113	0.50
1546:	63	30	33	1	63	62	30	32	1	62	211211.2602	0.0328	0.030	0.0328	0.50
1547:	63	30	34	1	63	62	30	33	1	62	211211.2602	0.0328	0.030	0.0328	0.50
1548:	64	5	59	1	64	63	6	58	1	63	211221.2023	0.0151	0.030		
1549:	63	31	32	1	63	62	31	31	1	62	211264.4279	0.0187	0.030	0.0187	0.50
1550:	63	31	33	1	63	62	31	32	1	62	211264.4279	0.0187	0.030	0.0187	0.50
1551:	62	9	53	1	62	61	9	52	1	61	211272.0714	-0.0407	0.030		
1552:	37	8	30	1	37	36	7	29	1	36	211278.4042	-0.0420	0.030		
1553:	67	1	66	1	67	66	2	65	1	66	211308.7207	-0.0075	0.030	-0.0084	0.30
1554:	67	2	66	1	67	66	2	65	1	66	211308.7207	-0.0082	0.030	-0.0084	0.20
1555:	67	1	66	1	67	66	1	65	1	66	211308.7207	-0.0086	0.030	-0.0084	0.20
1556:	67	2	66	1	67	66	1	65	1	66	211308.7207	-0.0093	0.030	-0.0084	0.30
1557:	63	15	49	1	63	62	15	48	1	62	211321.3079	0.0191	0.030	0.0187	0.50
1558:	63	15	48	1	63	62	15	47	1	62	211321.3079	0.0181	0.030	0.0187	0.50
1559:	63	33	30	1	63	62	33	29	1	62	211382.1544	0.0600	0.030	0.0601	0.50

1560:	63	33	31	1	63	62	33	30	1	62	211382.1544	0.0600	0.030	0.0601	0.50
1561:	63	14	50	1	63	62	14	49	1	62	211477.5148	0.0261	0.030	0.0168	0.50
1562:	63	14	49	1	63	62	14	48	1	62	211477.5148	0.0073	0.030	0.0168	0.50
1563:	63	35	28	1	63	62	35	27	1	62	211513.4029	-0.0170	0.030	-0.0170	0.50
1564:	63	35	29	1	63	62	35	28	1	62	211513.4029	-0.0170	0.030	-0.0170	0.50
1565:	37	8	29	1	37	36	7	30	1	36	211577.6920	-0.0247	0.030		
1566:	63	36	28	1	63	62	36	27	1	62	211583.7654	0.0155	0.030		
1567:	63	37	26	1	63	62	37	25	1	62	211656.9601	-0.0325	0.030	-0.0325	0.50
1568:	63	37	27	1	63	62	37	26	1	62	211656.9601	-0.0325	0.030	-0.0325	0.50
1569:	63	13	51	1	63	62	13	50	1	62	211688.4204	0.0983	0.030	-0.0545	0.50
1570:	63	13	50	1	63	62	13	49	1	62	211688.4204	-0.2074	0.030	-0.0545	0.50
1571:	63	38	26	1	63	62	38	25	1	62	211733.0729	0.0539	0.030	0.0539	0.50
1572:	63	38	25	1	63	62	38	24	1	62	211733.0729	0.0539	0.030	0.0539	0.50
1573:	64	6	59	1	64	63	6	58	1	63	211742.0741	-0.0181	0.030		
1574:	64	5	59	1	64	63	5	58	1	63	211889.8902	-0.0240	0.030		
1575:	63	40	24	1	63	62	40	23	1	62	211893.0093	0.0411	0.030	0.0412	0.50
1576:	63	40	23	1	63	62	40	22	1	62	211893.0093	0.0411	0.030	0.0412	0.50
1577:	63	12	52	1	63	62	12	51	1	62	211976.1150	-0.0086	0.030		
1578:	63	41	23	1	63	62	41	22	1	62	211976.7229	0.0332	0.030	0.0332	0.50
1579:	63	41	22	1	63	62	41	21	1	62	211976.7229	0.0332	0.030	0.0332	0.50
1580:	63	12	51	1	63	62	12	50	1	62	211980.1762	-0.0481	0.030		
1581:	26	11	15	1	26	25	10	16	1	25	212020.8740	-0.0159	0.030	-0.0159	0.50
1582:	26	11	16	1	26	25	10	15	1	25	212020.8740	-0.0159	0.030	-0.0159	0.50
1583:	68	0	68	1	68	67	0	67	1	67	212035.4563	-0.0235	0.030	-0.0235	0.20
1584:	68	0	68	1	68	67	1	67	1	67	212035.4563	-0.0235	0.030	-0.0235	0.30
1585:	68	1	68	1	68	67	0	67	1	67	212035.4563	-0.0235	0.030	-0.0235	0.30
1586:	68	1	68	1	68	67	1	67	1	67	212035.4563	-0.0235	0.030	-0.0235	0.20
1587:	63	6	57	1	63	62	6	56	1	62	212179.4721	0.0227	0.030		
1588:	65	4	61	1	65	64	5	60	1	64	212300.7726	-0.0013	0.030		
1589:	65	5	61	1	65	64	5	60	1	64	212332.9917	0.0073	0.030		
1590:	65	4	61	1	65	64	4	60	1	64	212343.4782	0.0337	0.030	0.0338	0.50
1591:	65	4	61	1	65	64	4	60	1	64	212343.4782	0.0337	0.030	0.0338	0.50
1592:	19	13	7	1	19	18	12	6	1	18	212347.3989	-0.0185	0.030	-0.0185	0.50
1593:	19	13	6	1	19	18	12	7	1	18	212347.3989	-0.0185	0.030	-0.0185	0.50
1594:	63	11	53	1	63	62	11	52	1	62	212368.2769	-0.0312	0.030		
1595:	65	5	61	1	65	64	4	60	1	64	212375.6190	-0.0357	0.030		
1596:	64	6	59	1	64	63	5	58	1	63	212410.8321	0.0128	0.030		
1597:	63	11	52	1	63	62	11	51	1	62	212412.1359	0.0085	0.030		
1598:	63	8	56	1	63	62	8	55	1	62	212627.3643	-0.0053	0.030		
1599:	63	10	54	1	63	62	10	53	1	62	212843.7862	-0.0690	0.030		
1600:	62	7	55	1	62	61	7	54	1	61	212911.7262	-0.0649	0.030		
1601:	66	4	63	1	66	65	4	62	1	65	212980.1417	-0.0742	0.030		
1602:	66	3	63	1	66	65	3	62	1	65	212980.7745	0.0861	0.030		
1603:	63	9	55	1	63	62	9	54	1	62	213133.7670	-0.0591	0.030		
1604:	63	10	53	1	63	62	10	52	1	62	213195.9028	-0.0477	0.030		
1605:	30	10	21	1	30	29	9	20	1	29	213361.5989	0.0288	0.030	0.0188	0.50
1606:	30	10	20	1	30	29	9	21	1	29	213361.5989	0.0088	0.030	0.0188	0.50
1607:	62	8	54	1	62	61	8	53	1	61	213480.1403	0.0154	0.030		
1608:	67	2	65	1	67	66	3	64	1	66	213674.9874	0.0310	0.030	-0.0109	0.30
1609:	67	3	65	1	67	66	3	64	1	66	213674.9874	-0.0041	0.030	-0.0109	0.20
1610:	67	2	65	1	67	66	2	64	1	66	213674.9874	-0.0176	0.030	-0.0109	0.20
1611:	67	3	65	1	67	66	2	64	1	66	213674.9874	-0.0527	0.030	-0.0109	0.30
1612:	65	6	59	1	65	64	7	58	1	64	213732.4099	0.0006	0.030		
1613:	41	7	34	1	41	40	6	35	1	40	213808.4398	0.0145	0.030		
1614:	23	12	11	1	23	22	11	12	1	22	213887.7412	-0.0460	0.030	-0.0461	0.50
1615:	23	12	12	1	23	22	11	11	1	22	213887.7412	-0.0460	0.030	-0.0461	0.50
1616:	64	7	58	1	64	63	7	57	1	63	214119.9617	0.0295	0.030		
1617:	16	14	2	1	16	15	13	3	1	15	214123.0551	-0.0253	0.030	-0.0253	0.50
1618:	16	14	3	1	16	15	13	2	1	15	214123.0551	-0.0253	0.030	-0.0253	0.50
1619:	64	7	58	1	64	63	7	57	1	63	214119.9617	0.0295	0.030		
1620:	16	14	2	1	16	15	13	3	1	15	214123.0551	-0.0253	0.030	-0.0253	0.50
1621:	16	14	3	1	16	15	13	2	1	15	214123.0551	-0.0253	0.030	-0.0253	0.50
1622:	61	7	55	1	61	60	6	54	1	60	214235.1534	-0.0412	0.030		
1623:	38	8	31	1	38	37	7	30	1	37	214307.8877	-0.0024	0.030		
1624:	64	22	42	1	64	63	22	41	1	63	214309.4004	-0.0043	0.030	-0.0044	0.50
1625:	64	22	43	1	64	63	22	42	1	63	214309.4004	-0.0043	0.030	-0.0044	0.50
1626:	64	21	44	1	64	63	21	43	1	63	214314.0601	-0.0326	0.030	-0.0326	0.50
1627:	64	21	43	1	64	63	21	42	1	63	214314.0601	-0.0326	0.030	-0.0326	0.50
1628:	64	23	41	1	64	63	23	40	1	63	214314.6491	0.0486	0.030	0.0487	0.50
1629:	64	23	42	1	64	63	23	41	1	63	214314.6491	0.0486	0.030	0.0487	0.50
1630:	64	24	40	1	64	63	24	39	1	63	214328.3985	0.0081	0.030	0.0081	0.50
1631:	64	24	41	1	64	63	24	40	1	63	214328.3985	0.0081	0.030	0.0081	0.50
1632:	64	20	44	1	64	63	20	43	1	63	214330.3065	0.0100	0.030	0.0100	0.50
1633:	64	20	45	1	64	63	20	44	1	63	214330.3065	0.0100	0.030	0.0100	0.50
1634:	64	25	39	1	64	63	25	38	1	63	214349.7330	-0.0095	0.030	-0.0095	0.50
1635:	64	25	40	1	64	63	25	39	1	63	214349.7330	-0.0095	0.030	-0.0095	0.50
1636:	64	19	45	1	64	63	19	44	1	63	214360.1303	0.0167	0.030	0.0168	0.50
1637:	64	19	46	1	64	63	19	45	1	63	214360.1303	0.0167	0.030	0.0168	0.50
1638:	34	9	26	1	34	33	8	25	1	33	214373.1202	0.0522	0.030		
1639:	68	1	67	1	68	67	2	66	1	67	214393.1527	-0.0075	0.030	-0.0083	0.30
1640:	68	2	67	1	68	67	2	66	1	67	214393.1527	-0.0081	0.030	-0.0083	0.20
1641:	68	1	67	1	68	67	1	66	1	67	214393.1527	-0.0083	0.030	-0.0083	0.20
1642:	68	2	67	1	68	67	1	66	1	67	214393.1527	-0.0089	0.030	-0.0083	0.30

1643:	64	18	46	1	64	63	18	45	1	63	214406.2927	0.0073	0.030	0.0073	0.50
1644:	64	18	47	1	64	63	18	46	1	63	214406.2927	0.0073	0.030	0.0073	0.50
1645:	64	27	37	1	64	63	27	36	1	63	214411.9487	0.0086	0.030	0.0086	0.50
1646:	64	27	38	1	64	63	27	37	1	63	214411.9487	0.0086	0.030	0.0086	0.50
1647:	65	5	60	1	65	64	6	59	1	64	214415.3300	-0.0018	0.030		
1648:	64	27	37	1	64	63	27	36	1	63	214411.9487	0.0086	0.030	0.0086	0.50
1649:	64	27	38	1	64	63	27	37	1	63	214411.9487	0.0086	0.030	0.0086	0.50
1650:	65	5	60	1	65	64	6	59	1	64	214415.3300	-0.0018	0.030		
1651:	64	28	36	1	64	63	28	35	1	63	214451.5292	-0.0044	0.030	-0.0045	0.50
1652:	64	28	37	1	64	63	28	36	1	63	214451.5292	-0.0044	0.030	-0.0045	0.50
1653:	64	17	47	1	64	63	17	46	1	63	214472.4659	-0.0013	0.030	-0.0014	0.50
1654:	64	17	48	1	64	63	17	47	1	63	214472.4659	-0.0013	0.030	-0.0014	0.50
1655:	64	29	35	1	64	63	29	34	1	63	214496.0882	-0.0397	0.030	-0.0397	0.50
1656:	64	29	36	1	64	63	29	35	1	63	214496.0882	-0.0397	0.030	-0.0397	0.50
1657:	64	30	34	1	64	63	30	33	1	63	214545.3607	0.0370	0.030	0.0370	0.50
1658:	64	30	35	1	64	63	30	34	1	63	214545.3607	0.0370	0.030	0.0370	0.50
1659:	64	16	49	1	64	63	16	48	1	63	214563.6493	-0.0004	0.030	-0.0005	0.50
1660:	64	16	48	1	64	63	16	47	1	63	214563.6493	-0.0005	0.030	-0.0005	0.50
1661:	64	31	33	1	64	63	31	32	1	63	214598.7702	-0.0111	0.030	-0.0112	0.50
1662:	64	31	34	1	64	63	31	33	1	63	214598.7702	-0.0111	0.030	-0.0112	0.50
1663:	64	32	32	1	64	63	32	31	1	63	214656.2653	0.0551	0.030	0.0552	0.50
1664:	64	32	33	1	64	63	32	32	1	63	214656.2653	0.0551	0.030	0.0552	0.50
1665:	64	15	50	1	64	63	15	49	1	63	214686.8637	0.0166	0.030	0.0159	0.50
1666:	64	15	49	1	64	63	15	48	1	63	214686.8637	0.0151	0.030	0.0159	0.50
1667:	41	6	35	1	41	40	5	36	1	40	214691.0016	-0.0665	0.030		
1668:	64	33	31	1	64	63	33	30	1	63	214717.2897	-0.0688	0.030	-0.0688	0.50
1669:	64	33	32	1	64	63	33	31	1	63	214717.2897	-0.0688	0.030	-0.0688	0.50
1670:	38	8	30	1	38	37	7	31	1	37	214738.5048	0.0022	0.030		
1671:	64	34	30	1	64	63	34	29	1	63	214782.0030	-0.0048	0.030	-0.0049	0.50
1672:	64	34	31	1	64	63	34	30	1	63	214782.0030	-0.0048	0.030	-0.0049	0.50
1673:	65	6	60	1	65	64	6	59	1	64	214819.8858	-0.0295	0.030		
1674:	64	35	29	1	64	63	35	28	1	63	214850.0162	0.0498	0.030	0.0499	0.50
1675:	64	35	30	1	64	63	35	29	1	63	214850.0162	0.0498	0.030	0.0499	0.50
1676:	64	14	51	1	64	63	14	50	1	63	214852.3115	0.0306	0.030	0.0165	0.50
1677:	64	14	50	1	64	63	14	49	1	63	214852.3115	0.0024	0.030	0.0165	0.50
1678:	64	36	28	1	64	63	36	27	1	63	214921.0742	0.0096	0.030	0.0096	0.50
1679:	64	36	29	1	64	63	36	28	1	63	214921.0742	0.0096	0.030	0.0096	0.50
1680:	65	5	60	1	65	64	5	59	1	64	214936.1927	-0.0442	0.030		
1681:	63	9	54	1	63	62	9	53	1	62	214957.9204	-0.0136	0.030		
1682:	96	19	77	1	96	96	18	78	1	96	214989.1067	0.0837	0.030	-0.0294	0.50
1683:	96	19	78	1	96	96	18	79	1	96	214989.1067	-0.1425	0.030	-0.0294	0.50
1684:	64	38	26	1	64	63	38	25	1	63	215072.1437	0.0487	0.030	0.0487	0.50
1685:	64	38	27	1	64	63	38	26	1	63	215072.1437	0.0487	0.030	0.0487	0.50
1686:	64	13	52	1	64	63	13	51	1	63	215075.4104	-0.0540	0.030		
1687:	64	13	51	1	64	63	13	50	1	63	215075.9241	0.0154	0.030		
1688:	64	6	58	1	64	63	6	57	1	63	215115.1282	-0.0545	0.030		
1689:	69	1	69	1	69	68	0	68	1	68	215120.2949	-0.0248	0.030	-0.0249	0.30
1690:	69	0	69	1	69	68	1	68	1	68	215120.2949	-0.0248	0.030	-0.0249	0.30
1691:	69	0	69	1	69	68	0	68	1	68	215120.2949	-0.0248	0.030	-0.0249	0.20
1692:	69	1	69	1	69	68	1	68	1	68	215120.2949	-0.0248	0.030	-0.0249	0.20
1693:	64	39	25	1	64	63	39	24	1	63	215151.7900	0.0184	0.030	0.0184	0.50
1694:	64	39	26	1	64	63	39	25	1	63	215151.7900	0.0184	0.030	0.0184	0.50
1695:	65	6	60	1	65	64	5	59	1	64	215340.7858	-0.0346	0.030		
1696:	27	11	17	1	27	26	10	16	1	26	215355.0312	-0.0341	0.030	-0.0341	0.50
1697:	27	11	16	1	27	26	10	17	1	26	215355.0312	-0.0341	0.030	-0.0341	0.50
1698:	64	12	53	1	64	63	12	52	1	63	215380.0260	0.0014	0.030		
1699:	64	12	52	1	64	63	12	51	1	63	215385.8391	0.0744	0.030	-0.0142	0.40
1700:	66	4	62	1	66	65	5	61	1	65	215385.8391	-0.0732	0.030	-0.0142	0.60
1701:	66	5	62	1	66	65	5	61	1	65	215410.2105	0.0244	0.030		
1702:	66	4	62	1	66	65	4	61	1	65	215418.1136	-0.0090	0.030		
1703:	66	5	62	1	66	65	4	61	1	65	215442.4058	0.0093	0.030		
1704:	20	13	7	1	20	19	12	8	1	19	215699.7164	-0.0009	0.030	-0.0010	0.50
1705:	20	13	8	1	20	19	12	7	1	19	215699.7164	-0.0009	0.030	-0.0010	0.50
1706:	62	7	56	1	62	61	6	55	1	61	215762.5168	-0.0761	0.030		
1707:	64	11	54	1	64	63	11	53	1	63	215792.4284	0.0112	0.030		
1708:	64	11	53	1	64	63	11	52	1	63	215851.3349	0.0304	0.030		
1709:	64	8	57	1	64	63	8	56	1	63	215870.7705	-0.0212	0.030		
1710:	63	7	56	1	63	62	7	55	1	62	215998.5889	-0.0195	0.030		
1711:	67	3	64	1	67	66	4	63	1	66	216060.1338	-0.0630	0.030		
1712:	67	4	64	1	67	66	4	63	1	66	216061.3391	0.1698	0.030	-0.0047	0.50
1713:	67	3	64	1	67	66	3	63	1	66	216061.3391	-0.1791	0.030	-0.0047	0.50
1714:	67	4	64	1	67	66	3	63	1	66	216062.5411	0.0503	0.030		
1715:	64	10	55	1	64	63	10	54	1	63	216274.5899	0.0001	0.030		
1716:	64	9	56	1	64	63	9	55	1	63	216508.8455	-0.0243	0.030		
1717:	89	19	70	1	89	89	18	71	1	89	216546.0823	0.0248	0.030	0.0156	0.50
1718:	89	19	71	1	89	89	18	72	1	89	216546.0823	0.0064	0.030	0.0156	0.50
1719:	31	10	22	1	31	30	9	21	1	30	216666.2819	0.0250	0.030	0.0066	0.50
1720:	31	10	21	1	31	30	9	22	1	30	216666.2819	-0.0119	0.030	0.0066	0.50
1721:	64	10	54	1	64	63	10	53	1	63	216724.7306	-0.0003	0.030		
1722:	88	19	69	1	88	88	18	70	1	88	216733.1101	0.0363	0.030	0.0300	0.50
1723:	88	19	70	1	88	88	18	71	1	88	216733.1101	0.0237	0.030	0.0300	0.50
1724:	68	2	66	1	68	67	3	65	1	67	216757.8874	0.0249	0.030	-0.0053	0.30
1725:	68	3	66	1	68	67	3	65	1	67	216757.8874	-0.0003	0.030	-0.0053	0.20

1726:	68	2	66	1	68	67	2	65	1	67	216757.8874	-0.0101	0.030	-0.0053	0.20
1727:	68	3	66	1	68	67	2	65	1	67	216757.8874	-0.0354	0.030	-0.0053	0.30
1728:	87	19	68	1	87	87	18	69	1	87	216912.0396	-0.0001	0.030	-0.0044	0.50
1729:	87	19	69	1	87	87	18	70	1	87	216912.0396	-0.0087	0.030	-0.0044	0.50
1730:	63	8	55	1	63	62	8	54	1	62	217043.5668	-0.0046	0.030		
1731:	86	19	67	1	86	86	18	68	1	86	217083.1995	-0.0020	0.030	-0.0050	0.50
1732:	86	19	68	1	86	86	18	69	1	86	217083.1995	-0.0079	0.030	-0.0050	0.50
1733:	24	12	12	1	24	23	11	13	1	23	217233.8294	0.0064	0.030	-0.0009	0.30
1734:	24	12	13	1	24	23	11	12	1	23	217233.8294	0.0064	0.030	-0.0009	0.30
1735:	65	7	59	1	65	64	7	58	1	64	217233.8294	-0.0117	0.030	-0.0009	0.40
1736:	85	19	66	1	85	85	18	67	1	85	217246.8321	0.0341	0.030	0.0322	0.50
1737:	85	19	67	1	85	85	18	68	1	85	217246.8321	0.0302	0.030	0.0322	0.50
1738:	68	7	61	1	68	67	8	60	1	67	217263.1844	0.0075	0.030		
1739:	39	8	32	1	39	38	7	31	1	38	217283.2328	-0.0539	0.030		
1740:	84	19	65	1	84	84	18	66	1	84	217403.0766	0.0161	0.030	0.0149	0.50
1741:	84	19	66	1	84	84	18	67	1	84	217403.0766	0.0135	0.030	0.0149	0.50
1742:	69	1	68	1	69	68	2	67	1	68	217476.9025	-0.0080	0.030	-0.0085	0.30
1743:	69	2	68	1	69	68	2	67	1	68	217476.9025	-0.0084	0.030	-0.0085	0.20
1744:	69	1	68	1	69	68	1	67	1	68	217476.9025	-0.0085	0.030	-0.0085	0.20
1745:	69	2	68	1	69	68	1	67	1	68	217476.9025	-0.0089	0.030	-0.0085	0.30
1746:	17	14	3	1	17	16	13	4	1	16	217477.5495	0.0278	0.030	0.0278	0.50
1747:	17	14	4	1	17	16	13	3	1	16	217477.5495	0.0278	0.030	0.0278	0.50
1748:	66	6	60	1	66	65	7	59	1	65	217521.8354	0.0148	0.030		
1749:	83	19	64	1	83	83	18	65	1	83	217552.2131	-0.0005	0.030	-0.0014	0.50
1750:	83	19	65	1	83	83	18	66	1	83	217552.2131	-0.0023	0.030	-0.0014	0.50
1751:	66	5	61	1	66	65	6	60	1	65	217582.2128	0.0013	0.030		
1752:	65	22	43	1	65	64	22	42	1	64	217647.1029	0.0091	0.030	0.0092	0.50
1753:	65	22	44	1	65	64	22	43	1	64	217647.1029	0.0091	0.030	0.0092	0.50
1754:	65	23	42	1	65	64	23	41	1	64	217650.8370	0.0035	0.030	0.0036	0.50
1755:	65	23	43	1	65	64	23	42	1	64	217650.8370	0.0035	0.030	0.0036	0.50
1756:	65	21	44	1	65	64	21	43	1	64	217653.6337	-0.0001	0.030	-0.0002	0.50
1757:	65	21	45	1	65	64	21	44	1	64	217653.6337	-0.0001	0.030	-0.0002	0.50
1758:	65	24	41	1	65	64	24	40	1	64	217663.4935	-0.0075	0.030	-0.0076	0.50
1759:	65	24	42	1	65	64	24	41	1	64	217663.4935	-0.0075	0.030	-0.0076	0.50
1760:	65	20	45	1	65	64	20	44	1	64	217672.1630	-0.0037	0.030	-0.0038	0.50
1761:	65	20	46	1	65	64	20	45	1	64	217672.1630	-0.0037	0.030	-0.0038	0.50
1762:	65	25	40	1	65	64	25	39	1	64	217684.0225	0.0073	0.030	0.0073	0.50
1763:	65	25	41	1	65	64	25	40	1	64	217684.0225	0.0073	0.030	0.0073	0.50
1764:	82	19	63	1	82	82	18	64	1	82	217694.4664	-0.0096	0.030	-0.0102	0.50
1765:	82	19	64	1	82	82	18	65	1	82	217694.4664	-0.0107	0.030	-0.0102	0.50
1766:	65	19	46	1	65	64	19	45	1	64	217704.9048	0.0090	0.030	0.0091	0.50
1767:	65	19	47	1	65	64	19	46	1	64	217704.9048	0.0090	0.030	0.0091	0.50
1768:	65	26	39	1	65	64	26	38	1	64	217711.4976	-0.0025	0.030	-0.0026	0.50
1769:	65	26	40	1	65	64	26	39	1	64	217711.4976	-0.0025	0.030	-0.0026	0.50
1770:	65	27	38	1	65	64	27	37	1	64	217745.2323	-0.0068	0.030	-0.0069	0.50
1771:	65	27	39	1	65	64	27	38	1	64	217745.2323	-0.0068	0.030	-0.0069	0.50
1772:	65	18	47	1	65	64	18	46	1	64	217754.7093	0.0050	0.030	0.0050	0.50
1773:	65	18	48	1	65	64	18	47	1	64	217754.7093	0.0050	0.030	0.0050	0.50
1774:	42	7	35	1	42	41	6	36	1	41	217731.3369	0.0703	0.030		
1775:	65	28	37	1	65	64	28	36	1	64	217784.6494	0.0102	0.030	0.0102	0.50
1776:	65	28	38	1	65	64	28	37	1	64	217784.6494	0.0102	0.030	0.0102	0.50
1777:	65	17	48	1	65	64	17	47	1	64	217825.4298	-0.0135	0.030	-0.0135	0.50
1778:	65	17	49	1	65	64	17	48	1	64	217825.4298	-0.0135	0.030	-0.0135	0.50
1779:	65	29	36	1	65	64	29	35	1	64	217829.1920	-0.0131	0.030	-0.0132	0.50
1780:	65	29	37	1	65	64	29	36	1	64	217829.1920	-0.0131	0.030	-0.0132	0.50
1781:	81	19	62	1	81	81	18	63	1	81	217830.0406	-0.0191	0.030	-0.0195	0.50
1782:	81	19	63	1	81	81	18	64	1	81	217830.0406	-0.0198	0.030	-0.0195	0.50
1783:	65	30	35	1	65	64	30	34	1	64	217878.5520	0.0322	0.030	0.0322	0.50
1784:	65	30	36	1	65	64	30	35	1	64	217878.5520	0.0322	0.030	0.0322	0.50
1785:	66	6	61	1	66	65	6	60	1	65	217895.5789	-0.0222	0.030		
1786:	65	16	50	1	65	64	16	49	1	64	217922.3884	0.0068	0.030	0.0068	0.50
1787:	65	16	49	1	65	64	16	48	1	64	217922.3884	0.0067	0.030	0.0068	0.50
1788:	65	31	34	1	65	64	31	33	1	64	217932.2057	-0.0229	0.030	-0.0229	0.50
1789:	65	31	35	1	65	64	31	34	1	64	217932.2057	-0.0229	0.030	-0.0229	0.50
1790:	80	19	61	1	80	80	18	62	1	80	217959.1714	0.0001	0.030	-0.0001	0.50
1791:	80	19	62	1	80	80	18	63	1	80	217959.1714	-0.0003	0.030	-0.0001	0.50
1792:	66	5	61	1	66	65	5	60	1	65	217986.7693	-0.0257	0.030		
1793:	65	32	33	1	65	64	32	32	1	64	217990.0386	0.0107	0.030	0.0107	0.50
1794:	65	32	34	1	65	64	32	33	1	64	217990.0386	0.0107	0.030	0.0107	0.50
1795:	65	15	51	1	65	64	15	50	1	64	218052.9490	0.0029	0.030	0.0017	0.50
1796:	65	15	50	1	65	64	15	49	1	64	218052.9490	0.0005	0.030	0.0017	0.50
1797:	65	6	59	1	65	64	6	58	1	64	218062.7607	-0.0159	0.030		
1798:	79	19	60	1	79	79	18	61	1	79	218082.0335	0.0220	0.030	0.0219	0.50
1799:	79	19	61	1	79	79	18	62	1	79	218082.0335	0.0217	0.030	0.0219	0.50
1800:	65	34	31	1	65	64	34	30	1	64	218116.8524	-0.0303	0.030	-0.0304	0.50
1801:	65	34	32	1	65	64	34	31	1	64	218116.8524	-0.0303	0.030	-0.0304	0.50
1802:	78	19	59	1	78	78	18	60	1	78	218198.7561	-0.0199	0.030	-0.0201	0.50
1803:	78	19	60	1	78	78	18	61	1	78	218198.7561	-0.0201	0.030	-0.0201	0.50
1804:	70	0	70	1	70	69	0	69	1	69	218204.4680	-0.0071	0.030	-0.0071	0.20
1805:	70	0	70	1	70	69	1	69	1	69	218204.4680	-0.0071	0.030	-0.0071	0.30
1806:	70	1	70	1	70	69	0	69	1	69	218204.4680	-0.0071	0.030	-0.0071	0.30
1807:	70	1	70	1	70	69	1	69	1	69	218204.4680	-0.0071	0.030	-0.0071	0.20
1808:	65	14	52	1	65	64	14	51	1	64	218228.0279	0.0259	0.030	0.0049	0.50

1809:	65	14	51	1	65	64	14	50	1	64	218228.0279	-0.0162	0.030	0.0049	0.50
1810:	77	19	58	1	77	77	18	59	1	77	218309.6515	-0.0042	0.030	-0.0043	0.50
1811:	77	19	59	1	77	77	18	60	1	77	218309.6515	-0.0044	0.030	-0.0043	0.50
1812:	65	37	28	1	65	64	37	27	1	64	218332.2479	-0.0330	0.030	-0.0330	0.50
1813:	65	37	29	1	65	64	37	28	1	64	218332.2479	-0.0330	0.030	-0.0330	0.50
1814:	65	38	27	1	65	64	38	26	1	64	218410.0684	-0.0589	0.030	-0.0590	0.50
1815:	65	38	28	1	65	64	38	27	1	64	218410.0684	-0.0589	0.030	-0.0590	0.50
1816:	76	19	57	1	76	76	18	58	1	76	218414.8720	0.0354	0.030	0.0354	0.50
1817:	76	19	58	1	76	76	18	59	1	76	218414.8720	0.0353	0.030	0.0354	0.50
1818:	65	13	53	1	65	64	13	52	1	64	218464.1297	0.0445	0.030		
1819:	65	13	52	1	65	64	13	51	1	64	218464.7566	0.0305	0.030		
1820:	67	4	63	1	67	66	5	62	1	66	218468.5218	-0.0659	0.030		
1821:	67	5	63	1	67	66	5	62	1	66	218486.8806	0.0289	0.030		
1822:	65	39	26	1	65	64	39	25	1	64	218490.7688	-0.0067	0.030	-0.0067	0.50
1823:	65	39	27	1	65	64	39	26	1	64	218490.7688	-0.0067	0.030	-0.0067	0.50
1824:	67	4	63	1	67	66	4	62	1	66	218492.7747	-0.0867	0.030		
1825:	67	5	63	1	67	66	4	62	1	66	218511.1454	0.0199	0.030		
1826:	75	19	56	1	75	75	18	57	1	75	218514.5056	0.0059	0.030	0.0059	0.50
1827:	75	19	57	1	75	75	18	58	1	75	218514.5056	0.0058	0.030	0.0059	0.50
1828:	74	19	55	1	74	74	18	56	1	74	218608.8098	-0.0124	0.030	-0.0124	0.50
1829:	74	19	56	1	74	74	18	57	1	74	218608.8098	-0.0124	0.030	-0.0124	0.50
1830:	65	41	24	1	65	64	41	23	1	64	218660.0335	0.0009	0.030	0.0009	0.50
1831:	65	41	25	1	65	64	41	24	1	64	218660.0335	0.0009	0.030	0.0009	0.50
1832:	64	9	55	1	64	63	9	54	1	63	218660.9744	-0.0341	0.030		
1833:	28	11	18	1	28	27	10	17	1	27	218686.3251	-0.0039	0.030	-0.0040	0.50
1834:	28	11	17	1	28	27	10	18	1	27	218686.3251	-0.0040	0.030	-0.0040	0.50
1835:	73	19	54	1	73	73	18	55	1	73	218697.9839	0.0069	0.030	0.0069	0.50
1836:	73	19	55	1	73	73	18	56	1	73	218697.9839	0.0069	0.030	0.0069	0.50
1837:	72	19	53	1	72	72	18	54	1	72	218782.1802	0.0475	0.030	0.0475	0.50
1838:	72	19	54	1	72	72	18	55	1	72	218782.1802	0.0475	0.030	0.0475	0.50
1839:	65	12	54	1	65	64	12	53	1	64	218786.0766	-0.0050	0.030		
1840:	65	12	53	1	65	64	12	52	1	64	218794.0624	0.0025	0.030		
1841:	71	19	52	1	71	71	18	53	1	71	218861.4341	-0.0203	0.030	-0.0203	0.50
1842:	71	19	53	1	71	71	18	54	1	71	218861.4341	-0.0203	0.030	-0.0203	0.50
1843:	70	19	51	1	70	70	18	52	1	70	218936.1162	0.0128	0.030	0.0128	0.50
1844:	70	19	52	1	70	70	18	53	1	70	218936.1162	0.0128	0.030	0.0128	0.50
1845:	69	19	50	1	69	69	18	51	1	69	219006.2124	-0.0248	0.030	-0.0249	0.50
1846:	69	19	51	1	69	69	18	52	1	69	219006.2124	-0.0248	0.030	-0.0249	0.50
1847:	64	7	57	1	64	63	7	56	1	63	219033.0798	-0.0102	0.030		
1848:	21	13	8	1	21	20	12	9	1	20	219051.5161	-0.0282	0.030	-0.0283	0.50
1849:	21	13	9	1	21	20	12	8	1	20	219051.5161	-0.0282	0.030	-0.0283	0.50
1850:	68	19	49	1	68	68	18	50	1	68	219072.0013	-0.0091	0.030	-0.0091	0.50
1851:	68	19	50	1	68	68	18	51	1	68	219072.0013	-0.0091	0.030	-0.0091	0.50
1852:	65	8	58	1	65	64	8	57	1	64	219096.0271	-0.0014	0.030		
1853:	67	19	48	1	67	67	18	49	1	67	219133.5696	-0.0042	0.030	-0.0042	0.50
1854:	67	19	49	1	67	67	18	50	1	67	219133.5696	-0.0042	0.030	-0.0042	0.50
1855:	68	3	65	1	68	67	4	64	1	67	219140.7963	-0.0246	0.030		
1856:	68	4	65	1	68	67	4	64	1	67	219141.6801	0.1442	0.030	0.0155	0.50
1857:	68	3	65	1	68	67	3	64	1	67	219141.6801	-0.1132	0.030	0.0155	0.50
1858:	68	4	65	1	68	67	3	64	1	67	219142.5528	0.0444	0.030		
1859:	66	19	47	1	66	66	18	48	1	66	219191.0495	-0.0256	0.030	-0.0257	0.50
1860:	66	19	48	1	66	66	18	49	1	66	219191.0495	-0.0256	0.030	-0.0257	0.50
1861:	65	11	55	1	65	64	11	54	1	64	219218.5242	-0.0357	0.030		
1862:	65	19	46	1	65	65	18	47	1	65	219244.6395	-0.0197	0.030	-0.0198	0.50
1863:	65	19	47	1	65	65	18	48	1	65	219244.6395	-0.0197	0.030	-0.0198	0.50
1864:	64	19	45	1	64	64	18	46	1	64	219294.4627	-0.0051	0.030	-0.0051	0.50
1865:	64	19	46	1	64	64	18	47	1	64	219294.4627	-0.0051	0.030	-0.0051	0.50
1866:	65	11	54	1	65	64	11	53	1	64	219297.1478	0.0235	0.030		
1867:	63	19	44	1	63	63	18	45	1	63	219340.6370	-0.0026	0.030	-0.0027	0.50
1868:	63	19	45	1	63	63	18	46	1	63	219340.6370	-0.0026	0.030	-0.0027	0.50
1869:	62	19	44	1	62	62	18	45	1	62	219383.3069	-0.0039	0.030	-0.0039	0.50
1870:	62	19	43	1	62	62	18	44	1	62	219383.3069	-0.0039	0.030	-0.0039	0.50
1871:	61	19	42	1	61	61	18	43	1	61	219422.6018	-0.0127	0.030	-0.0128	0.50
1872:	61	19	43	1	61	61	18	44	1	61	219422.6018	-0.0127	0.030	-0.0128	0.50
1873:	64	7	58	1	64	63	6	57	1	63	219445.5458	-0.0043	0.030		
1874:	60	19	41	1	60	60	18	42	1	60	219458.6743	-0.0073	0.030	-0.0073	0.50
1875:	60	19	42	1	60	60	18	43	1	60	219458.6743	-0.0073	0.030	-0.0073	0.50
1876:	20	19	1	1	20	20	18	2	1	20	219467.9708	0.0317	0.030	0.0318	0.50
1877:	20	19	2	1	20	20	18	3	1	20	219467.9708	0.0317	0.030	0.0318	0.50
1878:	21	19	2	1	21	21	18	3	1	21	219479.7039	0.0397	0.030	0.0398	0.50
1879:	21	19	3	1	21	21	18	4	1	21	219479.7039	0.0397	0.030	0.0398	0.50
1880:	59	19	40	1	59	59	18	41	1	59	219491.6221	-0.0178	0.030	-0.0179	0.50
1881:	59	19	41	1	59	59	18	42	1	59	219491.6221	-0.0178	0.030	-0.0179	0.50
1882:	23	19	4	1	23	23	18	5	1	23	219503.7183	-0.0030	0.030	-0.0030	0.50
1883:	23	19	5	1	23	23	18	6	1	23	219503.7183	-0.0030	0.030	-0.0030	0.50
1884:	58	19	39	1	58	58	18	40	1	58	219521.6616	0.0463	0.030	0.0463	0.50
1885:	58	19	40	1	58	58	18	41	1	58	219521.6616	0.0463	0.030	0.0463	0.50
1886:	24	19	5	1	24	24	18	6	1	24	219516.0286	0.0714	0.030	0.0714	0.50
1887:	24	19	6	1	24	24	18	7	1	24	219516.0286	0.0714	0.030	0.0714	0.50
1888:	25	19	6	1	25	25	18	7	1	25	219528.2412	-0.0225	0.030	-0.0225	0.50
1889:	25	19	7	1	25	25	18	8	1	25	219528.2412	-0.0225	0.030	-0.0225	0.50
1890:	26	19	7	1	26	26	18	8	1	26	219540.5865	-0.0011	0.030	-0.0012	0.50
1891:	26	19	8	1	26	26	18	9	1	26	219540.5865	-0.0011	0.030	-0.0012	0.50

1892:	57	19	38	1	57	57	18	39	1	57	219548.7259	-0.0046	0.030	-0.0046	0.50
1893:	57	19	39	1	57	57	18	40	1	57	219548.7259	-0.0046	0.030	-0.0046	0.50
1894:	27	19	8	1	27	27	18	9	1	27	219552.8863	0.0124	0.030	0.0124	0.50
1895:	27	19	9	1	27	27	18	10	1	27	219552.8863	0.0124	0.030	0.0124	0.50
1896:	28	19	9	1	28	28	18	10	1	28	219565.0490	-0.0161	0.030	-0.0161	0.50
1897:	28	19	10	1	28	28	18	11	1	28	219565.0490	-0.0161	0.030	-0.0161	0.50
1898:	56	19	37	1	56	56	18	38	1	56	219573.1306	0.0240	0.030	0.0241	0.50
1899:	56	19	38	1	56	56	18	39	1	56	219573.1306	0.0240	0.030	0.0241	0.50
1900:	29	19	10	1	29	29	18	11	1	29	219577.1069	0.0048	0.030	0.0048	0.50
1901:	29	19	11	1	29	29	18	12	1	29	219577.1069	0.0048	0.030	0.0048	0.50
1902:	30	19	11	1	30	30	18	12	1	30	219588.9202	-0.0034	0.030	-0.0034	0.50
1903:	30	19	12	1	30	30	18	13	1	30	219588.9202	-0.0034	0.030	-0.0034	0.50
1904:	55	19	36	1	55	55	18	37	1	55	219594.8600	-0.0015	0.030	-0.0016	0.50
1905:	55	19	37	1	55	55	18	38	1	55	219594.8600	-0.0015	0.030	-0.0016	0.50
1906:	31	19	12	1	31	31	18	13	1	31	219600.4145	-0.0519	0.030	-0.0519	0.50
1907:	31	19	13	1	31	31	18	14	1	31	219600.4145	-0.0519	0.030	-0.0519	0.50
1908:	32	19	13	1	32	32	18	14	1	32	219611.6710	0.0056	0.030	0.0057	0.50
1909:	32	19	14	1	32	32	18	15	1	32	219611.6710	0.0056	0.030	0.0057	0.50
1910:	54	19	36	1	54	54	18	37	1	54	219614.1155	0.0037	0.030	0.0038	0.50
1911:	54	19	35	1	54	54	18	36	1	54	219614.1155	0.0037	0.030	0.0038	0.50
1912:	33	19	14	1	33	33	18	15	1	33	219622.4613	0.0082	0.030	0.0082	0.50
1913:	33	19	15	1	33	33	18	16	1	33	219622.4613	0.0082	0.030	0.0082	0.50
1914:	53	19	34	1	53	53	18	35	1	53	219630.9604	-0.0103	0.030	-0.0103	0.50
1915:	53	19	35	1	53	53	18	36	1	53	219630.9604	-0.0103	0.030	-0.0103	0.50
1916:	34	19	15	1	34	34	18	16	1	34	219632.7599	-0.0007	0.030	-0.0007	0.50
1917:	34	19	16	1	34	34	18	17	1	34	219632.7599	-0.0007	0.030	-0.0007	0.50
1918:	35	19	16	1	35	35	18	17	1	35	219642.5242	0.0075	0.030	0.0075	0.50
1919:	35	19	17	1	35	35	18	18	1	35	219642.5242	0.0075	0.030	0.0075	0.50
1920:	52	19	33	1	52	52	18	34	1	52	219645.5302	-0.0199	0.030	-0.0199	0.50
1921:	52	19	34	1	52	52	18	35	1	52	219645.5302	-0.0199	0.030	-0.0199	0.50
1922:	36	19	17	1	36	36	18	18	1	36	219651.6057	-0.0425	0.030	-0.0426	0.50
1923:	36	19	18	1	36	36	18	19	1	36	219651.6057	-0.0425	0.030	-0.0426	0.50
1924:	51	19	32	1	51	51	18	33	1	51	219657.9470	-0.0123	0.030	-0.0123	0.50
1925:	51	19	33	1	51	51	18	34	1	51	219657.9470	-0.0123	0.030	-0.0123	0.50
1926:	37	19	18	1	37	37	18	19	1	37	219660.0785	-0.0017	0.030	-0.0018	0.50
1927:	37	19	19	1	37	37	18	20	1	37	219660.0785	-0.0017	0.030	-0.0018	0.50
1928:	38	19	20	1	38	38	18	21	1	38	219667.7319	-0.0037	0.030	-0.0037	0.50
1929:	38	19	19	1	38	38	18	20	1	38	219667.7319	-0.0037	0.030	-0.0037	0.50
1930:	50	19	31	1	50	50	18	32	1	50	219668.3326	0.0270	0.030	0.0271	0.50
1931:	50	19	32	1	50	50	18	33	1	50	219668.3326	0.0270	0.030	0.0271	0.50
1932:	39	19	20	1	39	39	18	21	1	39	219674.5548	0.0193	0.030	0.0194	0.50
1933:	39	19	21	1	39	39	18	22	1	39	219674.5548	0.0193	0.030	0.0194	0.50
1934:	49	19	31	1	49	49	18	32	1	49	219676.6896	-0.0042	0.030	-0.0043	0.50
1935:	49	19	30	1	49	49	18	31	1	49	219676.6896	-0.0042	0.030	-0.0043	0.50
1936:	40	19	21	1	40	40	18	22	1	40	219680.4517	0.0529	0.030	0.0530	0.50
1937:	40	19	22	1	40	40	18	23	1	40	219680.4517	0.0529	0.030	0.0530	0.50
1938:	48	19	29	1	48	48	18	30	1	48	219683.2372	0.0099	0.030	0.0100	0.50
1939:	48	19	30	1	48	48	18	31	1	48	219683.2372	0.0099	0.030	0.0100	0.50
1940:	41	19	23	1	41	41	18	24	1	41	219685.2248	-0.0177	0.030	-0.0178	0.50
1941:	41	19	22	1	41	41	18	23	1	41	219685.2248	-0.0177	0.030	-0.0178	0.50
1942:	47	19	29	1	47	47	18	30	1	47	219687.9348	-0.0717	0.030	-0.0718	0.50
1943:	47	19	28	1	47	47	18	29	1	47	219687.9348	-0.0717	0.030	-0.0718	0.50
1944:	42	19	24	1	42	42	18	25	1	42	219688.9614	-0.0206	0.030	-0.0207	0.50
1945:	42	19	23	1	42	42	18	24	1	42	219688.9614	-0.0206	0.030	-0.0207	0.50
1946:	46	19	27	1	46	46	18	28	1	46	219691.1004	-0.0303	0.030	-0.0304	0.50
1947:	46	19	28	1	46	46	18	29	1	46	219691.1004	-0.0303	0.030	-0.0304	0.50
1948:	43	19	25	1	43	43	18	26	1	43	219691.5631	0.0326	0.030	0.0326	0.50
1949:	43	19	24	1	43	43	18	25	1	43	219691.5631	0.0326	0.030	0.0326	0.50
1950:	45	19	26	1	45	45	18	27	1	45	219692.7412	0.0445	0.030	0.0037	0.30
1951:	45	19	27	1	45	45	18	28	1	45	219692.7412	0.0445	0.030	0.0037	0.30
1952:	44	19	25	1	44	44	18	26	1	44	219692.7412	-0.0577	0.030	0.0037	0.20
1953:	44	19	26	1	44	44	18	27	1	44	219692.7412	-0.0577	0.030	0.0037	0.20
1954:	65	10	56	1	65	64	10	55	1	64	219702.6828	0.0021	0.030		
1955:	65	9	57	1	65	64	9	56	1	64	219870.4003	0.0048	0.030		
1956:	32	10	23	1	32	31	9	22	1	31	219964.9505	0.0399	0.030	0.0065	0.50
1957:	32	10	22	1	32	31	9	23	1	31	219964.9505	-0.0268	0.030	0.0065	0.50
1958:	40	8	33	1	40	39	7	32	1	39	220193.5129	-0.0231	0.030		
1959:	65	10	55	1	65	64	10	54	1	64	220273.1131	0.0234	0.030		
1960:	66	7	60	1	66	65	7	59	1	65	220338.6256	0.0131	0.030		
1961:	64	8	56	1	64	63	8	55	1	63	220554.7011	0.0061	0.030		
1962:	70	1	69	1	70	69	2	68	1	69	220559.9696	0.0008	0.030	0.0005	0.30
1963:	70	2	69	1	70	69	2	68	1	69	220559.9696	0.0005	0.030	0.0005	0.20
1964:	70	1	69	1	70	69	1	68	1	69	220559.9696	0.0004	0.030	0.0005	0.20
1965:	70	2	69	1	70	69	1	68	1	69	220559.9696	0.0001	0.030	0.0005	0.30
1966:	25	12	13	1	25	24	11	14	1	24	220578.4104	0.0027	0.030	0.0028	0.50
1967:	25	12	14	1	25	24	11	13	1	24	220578.4104	0.0027	0.030	0.0028	0.50
1968:	67	5	62	1	67	66	6	61	1	66	220727.4626	0.0685	0.030		
1969:	18	14	4	1	18	17	13	5	1	17	220831.9877	0.0244	0.030	0.0244	0.50
1970:	18	14	5	1	18	17	13	4	1	17	220831.9877	0.0244	0.030	0.0244	0.50
1971:	36	9	28	1	36	35	8	27	1	35	220832.5191	-0.0180	0.030		
1972:	67	6	62	1	67	66	6	61	1	66	220969.5415	0.0075	0.030		
1973:	66	22	44	1	66	65	22	43	1	65	220984.2616	0.0365	0.030	0.0365	0.50
1974:	66	22	45	1	66	65	22	44	1	65	220984.2616	0.0365	0.030	0.0365	0.50

1975:	66	23	43	1	66	65	23	42	1	65	220986.4300	-0.0101	0.030	-0.0102	0.50
1976:	66	23	44	1	66	65	23	43	1	65	220986.4300	-0.0101	0.030	-0.0102	0.50
1977:	66	21	45	1	66	65	21	44	1	65	220992.6764	-0.0213	0.030	-0.0214	0.50
1978:	66	21	46	1	66	65	21	45	1	65	220992.6764	-0.0213	0.030	-0.0214	0.50
1979:	66	24	42	1	66	65	24	41	1	65	220997.9283	0.0020	0.030	0.0020	0.50
1980:	66	24	43	1	66	65	24	42	1	65	220997.9283	0.0020	0.030	0.0020	0.50
1981:	66	20	46	1	66	65	20	45	1	65	221013.6665	0.0116	0.030	0.0117	0.50
1982:	66	20	47	1	66	65	20	46	1	65	221013.6665	0.0116	0.030	0.0117	0.50
1983:	66	25	41	1	66	65	25	40	1	65	221017.5571	0.0062	0.030	0.0062	0.50
1984:	66	25	42	1	66	65	25	41	1	65	221017.5571	0.0062	0.030	0.0062	0.50
1985:	66	6	60	1	66	65	6	59	1	65	221023.2534	0.0009	0.030		
1986:	67	5	62	1	67	66	5	61	1	66	221040.7724	-0.0113	0.030		
1987:	66	26	41	1	66	65	26	40	1	65	221044.3779	-0.0196	0.030	-0.0196	0.50
1988:	66	26	40	1	66	65	26	39	1	65	221044.3779	-0.0196	0.030	-0.0196	0.50
1989:	66	19	47	1	66	65	19	46	1	65	221049.4079	-0.0017	0.030	-0.0018	0.50
1990:	66	19	48	1	66	65	19	47	1	65	221049.4079	-0.0017	0.030	-0.0018	0.50
1991:	40	8	32	1	40	39	7	33	1	39	221052.9565	-0.0339	0.030		
1992:	66	27	39	1	66	65	27	38	1	65	221077.7165	0.0000	0.030	0.0001	0.50
1993:	66	27	40	1	66	65	27	39	1	65	221077.7165	0.0000	0.030	0.0001	0.50
1994:	66	18	48	1	66	65	18	47	1	65	221102.9963	0.0025	0.030	0.0025	0.50
1995:	66	18	49	1	66	65	18	48	1	65	221102.9963	0.0025	0.030	0.0025	0.50
1996:	66	28	38	1	66	65	28	37	1	65	221116.9126	0.0248	0.030	0.0249	0.50
1997:	66	28	39	1	66	65	28	38	1	65	221116.9126	0.0248	0.030	0.0249	0.50
1998:	66	29	37	1	66	65	29	36	1	65	221161.3699	-0.0241	0.030	-0.0242	0.50
1999:	66	29	38	1	66	65	29	37	1	65	221161.3699	-0.0241	0.030	-0.0242	0.50
2000:	66	17	49	1	66	65	17	48	1	65	221178.4447	-0.0178	0.030	-0.0179	0.50
2001:	66	17	50	1	66	65	17	49	1	65	221178.4447	-0.0178	0.030	-0.0179	0.50
2002:	67	6	61	1	67	66	7	60	1	66	221179.8204	-0.0237	0.030		
2003:	66	30	36	1	66	65	30	35	1	65	221210.8130	0.0132	0.030	0.0133	0.50
2004:	66	30	37	1	66	65	30	36	1	65	221210.8130	0.0132	0.030	0.0133	0.50
2005:	66	31	35	1	66	65	31	34	1	65	221264.7961	0.0615	0.030	0.0615	0.50
2006:	66	31	36	1	66	65	31	35	1	65	221264.7961	0.0615	0.030	0.0615	0.50
2007:	66	16	51	1	66	65	16	50	1	65	221281.4054	0.0281	0.030	0.0281	0.50
2008:	66	16	50	1	66	65	16	49	1	65	221281.4054	0.0279	0.030	0.0281	0.50
2009:	67	6	62	1	67	66	5	61	1	66	221282.9050	-0.0186	0.030		
2010:	71	0	71	1	71	70	0	70	1	70	221287.9361	0.0000	0.030	-0.0001	0.20
2011:	71	0	71	1	71	70	1	70	1	70	221287.9361	0.0000	0.030	-0.0001	0.30
2012:	71	1	71	1	71	70	0	70	1	70	221287.9361	0.0000	0.030	-0.0001	0.30
2013:	71	1	71	1	71	70	1	70	1	70	221287.9361	0.0000	0.030	-0.0001	0.20
2014:	66	32	34	1	66	65	32	33	1	65	221322.9091	0.0273	0.030	0.0273	0.50
2015:	66	32	35	1	66	65	32	34	1	65	221322.9091	0.0273	0.030	0.0273	0.50
2016:	66	33	33	1	66	65	33	32	1	65	221384.9505	-0.0173	0.030	-0.0173	0.50
2017:	66	33	34	1	66	65	33	33	1	65	221384.9505	-0.0173	0.030	-0.0173	0.50
2018:	66	15	52	1	66	65	15	51	1	65	221419.6022	0.0010	0.030	-0.0007	0.50
2019:	66	15	51	1	66	65	15	50	1	65	221419.6022	-0.0025	0.030	-0.0007	0.50
2020:	66	34	32	1	66	65	34	31	1	65	221450.7928	0.0377	0.030	0.0378	0.50
2021:	66	34	33	1	66	65	34	32	1	65	221450.7928	0.0377	0.030	0.0378	0.50
2022:	66	35	31	1	66	65	35	30	1	65	221520.0188	-0.0164	0.030	-0.0164	0.50
2023:	66	35	32	1	66	65	35	31	1	65	221520.0188	-0.0164	0.030	-0.0164	0.50
2024:	68	4	64	1	68	67	5	63	1	67	221549.2617	-0.0120	0.030		
2025:	68	5	64	1	68	67	5	63	1	67	221563.0082	0.0127	0.030		
2026:	65	7	59	1	65	64	6	58	1	64	221564.2244	0.0158	0.030		
2027:	68	4	64	1	68	67	4	63	1	67	221567.5487	0.0110	0.030		
2028:	68	5	64	1	68	67	4	63	1	67	221581.2605	0.0011	0.030		
2029:	66	36	30	1	66	65	36	29	1	65	221592.6109	-0.0139	0.030	-0.0140	0.50
2030:	66	36	31	1	66	65	36	30	1	65	221592.6109	-0.0139	0.030	-0.0140	0.50
2031:	66	14	53	1	66	65	14	52	1	65	221604.7224	0.0400	0.030	0.0088	0.50
2032:	66	14	52	1	66	65	14	51	1	65	221604.7224	-0.0224	0.030	0.0088	0.50
2033:	66	37	29	1	66	65	37	28	1	65	221668.3498	-0.0113	0.030	-0.0114	0.50
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2035:	66	38	28	1	66	65	38	27	1	65	221747.0422	-0.0565	0.030	-0.0565	0.50
2036:	66	38	29	1	66	65	38	28	1	65	221747.0422	-0.0565	0.030	-0.0565	0.50
2037:	66	39	27	1	66	65	39	26	1	65	221828.7035	-0.0033	0.030	-0.0033	0.50
2038:	66	39	28	1	66	65	39	27	1	65	221828.7035	-0.0033	0.030	-0.0033	0.50
2039:	66	13	54	1	66	65	13	53	1	65	221854.2609	0.0254	0.030		
2040:	66	13	53	1	66	65	13	52	1	65	221855.1082	-0.0451	0.030		
2041:	43	7	36	1	43	42	6	37	1	42	221869.2992	-0.0032	0.030		
2042:	66	40	26	1	66	65	40	25	1	65	221913.0413	-0.0261	0.030	-0.0262	0.50
2043:	66	40	27	1	66	65	40	26	1	65	221913.0413	-0.0261	0.030	-0.0262	0.50
2044:	29	11	19	1	29	28	10	18	1	28	222014.3558	-0.0237	0.030	-0.0239	0.50
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2046:	65	7	58	1	65	64	7	57	1	64	222021.8898	-0.0257	0.030		
2047:	66	12	55	1	66	65	12	54	1	65	222194.3147	-0.0145	0.030		
2048:	66	12	54	1	66	65	12	53	1	65	222205.3411	-0.0001	0.030		
2049:	69	3	66	1	69	68	4	65	1	68	222220.7403	-0.0339	0.030		
2050:	69	4	66	1	69	68	4	65	1	68	222221.4014	0.1019	0.030	0.0071	0.50
2051:	69	3	66	1	69	68	3	65	1	68	222221.4014	-0.0878	0.030	0.0071	0.50
2052:	69	4	66	1	69	68	3	65	1	68	222222.0652	0.0507	0.030		
2053:	69	7	62	1	69	68	8	61	1	68	222291.9532	0.0854	0.030		
2054:	66	8	59	1	66	65	8	58	1	65	222303.5027	0.0289	0.030		
2055:	65	9	56	1	65	64	9	55	1	64	222374.5870	-0.0168	0.030		
2056:	30	26	4	1	30	30	25	5	1	30	301163.3899	-0.0108	0.050	-0.0109	0.50
2057:	30	26	5	1	30	30	25	6	1	30	301163.3899	-0.0108	0.050	-0.0109	0.50

2058:	97	0	97	1	97	96	0	96	1	96	301182.5508	0.1218	0.050	0.1219	0.20
2059:	97	0	97	1	97	96	1	96	1	96	301182.5508	0.1218	0.050	0.1219	0.30
2060:	97	1	97	1	97	96	0	96	1	96	301182.5508	0.1218	0.050	0.1219	0.30
2061:	97	1	97	1	97	96	1	96	1	96	301182.5508	0.1218	0.050	0.1219	0.20
2062:	32	26	6	1	32	32	25	7	1	32	301215.9746	-0.0549	0.100	-0.0549	0.50
2063:	32	26	7	1	32	32	25	8	1	32	301215.9746	-0.0549	0.100	-0.0549	0.50
2064:	33	26	7	1	33	33	25	8	1	33	301243.2026	0.0263	0.050	0.0264	0.50
2065:	33	26	8	1	33	33	25	9	1	33	301243.2026	0.0263	0.050	0.0264	0.50
2066:	34	26	8	1	34	34	25	9	1	34	301270.8455	0.0018	0.050	0.0019	0.50
2067:	34	26	9	1	34	34	25	10	1	34	301270.8455	0.0018	0.050	0.0019	0.50
2068:	35	26	9	1	35	35	25	10	1	35	301299.0111	0.0056	0.050	0.0057	0.50
2069:	35	26	10	1	35	35	25	11	1	35	301299.0111	0.0056	0.050	0.0057	0.50
2070:	94	4	90	1	94	93	4	89	1	93	301318.3680	0.0790	0.050	0.0801	0.20
2071:	94	4	90	1	94	93	5	89	1	93	301318.3680	0.0870	0.050	0.0801	0.30
2072:	94	5	90	1	94	93	4	89	1	93	301318.3680	0.0731	0.050	0.0801	0.30
2073:	94	5	90	1	94	93	5	89	1	93	301318.3680	0.0811	0.050	0.0801	0.20
2074:	36	26	10	1	36	36	25	11	1	36	301327.6248	-0.0096	0.050	-0.0097	0.50
2075:	36	26	11	1	36	36	25	12	1	36	301327.6248	-0.0096	0.050	-0.0097	0.50
2076:	91	8	83	1	91	90	9	82	1	90	301340.1141	-0.0691	0.050		
2077:	37	26	11	1	37	37	25	12	1	37	301356.7292	0.0263	0.050	0.0263	0.50
2078:	37	26	12	1	37	37	25	13	1	37	301356.7292	0.0263	0.050	0.0263	0.50
2079:	119	26	94	1119	119	119	25	95	1119	119	301380.3412	-0.0985	0.050	-0.0985	0.50
2080:	119	26	93	1119	119	119	25	94	1119	119	301380.3412	-0.0985	0.050	-0.0985	0.50
2081:	38	26	12	1	38	38	25	13	1	38	301386.2341	0.0519	0.050	0.0519	0.50
2082:	38	26	13	1	38	38	25	14	1	38	301386.2341	0.0519	0.050	0.0519	0.50
2083:	90	18	73	1	90	89	18	72	1	89	301414.9506	-0.0122	0.050	-0.0167	0.50
2084:	90	18	72	1	90	89	18	71	1	89	301414.9506	-0.0211	0.050	-0.0167	0.50
2085:	39	26	13	1	39	39	25	14	1	39	301416.0533	0.0100	0.050	0.0101	0.50
2086:	39	26	14	1	39	39	25	15	1	39	301416.0533	0.0100	0.050	0.0101	0.50
2087:	60	9	51	1	60	59	8	52	1	59	301428.3761	0.1823	0.100		
2088:	40	26	14	1	40	40	25	15	1	40	301446.2569	0.0007	0.050	0.0007	0.50
2089:	40	26	15	1	40	40	25	16	1	40	301446.2569	0.0007	0.050	0.0007	0.50
2090:	118	26	92	1118	118	118	25	93	1118	118	301465.6340	0.0149	0.050	0.0149	0.50
2091:	118	26	93	1118	118	118	25	94	1118	118	301465.6340	0.0149	0.050	0.0149	0.50
2092:	41	26	15	1	41	41	25	16	1	41	301476.7911	0.0006	0.050	0.0006	0.50
2093:	41	26	16	1	41	41	25	17	1	41	301476.7911	0.0006	0.050	0.0006	0.50
2094:	35	16	19	1	35	34	15	20	1	34	301489.8242	0.0472	0.050	0.0473	0.50
2095:	35	16	20	1	35	34	15	19	1	34	301489.8242	0.0472	0.050	0.0473	0.50
2096:	42	26	16	1	42	42	25	17	1	42	301507.6289	0.0138	0.050	0.0138	0.50
2097:	42	26	17	1	42	42	25	18	1	42	301507.6289	0.0138	0.050	0.0138	0.50
2098:	43	26	17	1	43	43	25	18	1	43	301538.7309	0.0328	0.050	0.0328	0.50
2099:	43	26	18	1	43	43	25	19	1	43	301538.7309	0.0328	0.050	0.0328	0.50
2100:	117	26	91	1117	117	117	25	92	1117	117	301547.0135	0.0181	0.050	0.0181	0.50
2101:	117	26	92	1117	117	117	25	93	1117	117	301547.0135	0.0181	0.050	0.0181	0.50
2102:	21	20	1	1	21	20	19	2	1	20	301566.3373	0.0303	0.050	0.0304	0.50
2103:	21	20	2	1	21	20	19	1	1	20	301566.3373	0.0303	0.050	0.0304	0.50
2104:	44	26	19	1	44	44	25	20	1	44	301570.0263	0.0193	0.050	0.0193	0.50
2105:	44	26	18	1	44	44	25	19	1	44	301570.0263	0.0193	0.050	0.0193	0.50
2106:	102	46	56	1102	101	101	46	55	1101	101	342029.9368	-0.2023	0.100	-0.2024	0.50
2107:	102	46	57	1102	101	101	46	56	1101	101	342029.9368	-0.2023	0.100	-0.2024	0.50
2108:	101	11	91	1101	100	100	10	90	1100	100	342118.1290	0.0605	0.100		
2109:	51	6	46	1	51	50	3	47	1	50	342174.5106	-0.0132	0.050		
2110:	102	47	55	1102	101	101	47	54	1101	101	342177.0185	0.0560	0.050	0.0560	0.50
2111:	102	47	56	1102	101	101	47	55	1101	101	342177.0185	0.0560	0.050	0.0560	0.50
2112:	67	11	56	1	67	66	10	57	1	66	342392.3488	-0.0441	0.050		
2113:	109	2107	1109	108	108	108	2106	1108	1108	108	342456.0120	-0.0061	0.050	-0.0062	0.20
2114:	109	2107	1109	108	108	108	3106	1108	1108	108	342456.0120	-0.0061	0.050	-0.0062	0.30
2115:	109	3107	1109	108	108	108	2106	1108	1108	108	342456.0120	-0.0061	0.050	-0.0062	0.30
2116:	109	3107	1109	108	108	108	3106	1108	1108	108	342456.0120	-0.0061	0.050	-0.0062	0.20
2117:	102	16	87	1102	101	101	16	86	1101	101	342500.7695	-0.0998	0.050		
2118:	102	16	86	1102	101	101	16	85	1101	101	342543.6075	-0.0327	0.050		
2119:	102	12	91	1102	101	101	12	90	1101	101	342608.8045	0.0633	0.100		
2120:	106	6100	1106	105	105	105	6	99	1105	105	342610.1303	-0.0298	0.050	-0.0171	0.20
2121:	106	6100	1106	105	105	105	7	99	1105	105	342610.1303	0.0734	0.050	-0.0171	0.30
2122:	106	7100	1106	105	105	105	6	99	1105	105	342610.1303	-0.1077	0.050	-0.0171	0.30
2123:	106	7100	1106	105	105	105	7	99	1105	105	342610.1303	-0.0045	0.050	-0.0171	0.20
2124:	69	11	59	1	69	68	10	58	1	68	342617.2631	-0.0553	0.050		
2125:	100	12	88	1100	99	99	12	87	1	99	342629.3445	0.0721	0.050		
2126:	51	15	37	1	51	50	14	36	1	50	342773.6518	-0.0271	0.050	-0.0272	0.50
2127:	51	15	36	1	51	50	14	37	1	50	342773.6518	-0.0272	0.050	-0.0272	0.50
2128:	110	1109	1110	109	109	109	1108	1109	1109	109	343201.1937	-0.0299	0.050	-0.0299	0.20
2129:	110	1109	1110	109	109	109	2108	1109	1109	109	343201.1937	-0.0299	0.050	-0.0299	0.30
2130:	110	2109	1110	109	109	109	1108	1109	1109	109	343201.1937	-0.0299	0.050	-0.0299	0.30
2131:	110	2109	1110	109	109	109	2108	1109	1109	109	343201.1937	-0.0299	0.050	-0.0299	0.20
2132:	107	5102	1107	106	106	106	5101	1106	1106	106	343304.1205	-0.0081	0.050	-0.0076	0.20
2133:	107	5102	1107	106	106	106	6101	1106	1106	106	343304.1205	-0.0042	0.050	-0.0076	0.30
2134:	107	6102	1107	106	106	106	5101	1106	1106	106	343304.1205	-0.0109	0.050	-0.0076	0.30
2135:	107	6102	1107	106	106	106	6101	1106	1106	106	343304.1205	-0.0071	0.050	-0.0076	0.20
2136:	23	23	0	1	23	22	22	1	1	22	343348.5883	-0.0053	0.050	-0.0054	0.50
2137:	23	23	1	1	23	22	22	0	1	22	343348.5883	-0.0053	0.050	-0.0054	0.50
2138:	44	17	27	1	44	43	16	28	1	43	343435.0261	0.0029	0.050	0.0029	0.50
2139:	44	17	28	1	44	43	16	27	1	43	343435.0261	0.0029	0.050	0.0029	0.50
2140:	63	12	52	1	63	62	11	51	1	62	343454.7197	-0.0166	0.050		

2141:103	11	93	1103	102	11	92	1102	343466.3490	-0.0914	0.050					
2142:102	15	87	1102	101	15	86	1101	343476.2839	0.0382	0.050					
2143:	30	21	9	1	30	29	20	10	1	29	343569.5547	0.0006	0.050	0.0007	0.50
2144:	30	21	10	1	30	29	20	9	1	29	343569.5547	0.0006	0.050	0.0007	0.50
2145:	63	12	51	1	63	62	11	52	1	62	343583.7355	-0.0477	0.050		
2146:	37	19	18	1	37	36	18	19	1	36	343625.6667	0.0048	0.050	0.0048	0.50
2147:	37	19	19	1	37	36	18	18	1	36	343625.6667	0.0048	0.050	0.0048	0.50
2148:104	9	95	1104	103	10	94	1103	343647.0228	-0.0922	0.050					
2149:103	27	76	1103	102	27	75	1102	343654.7560	0.0162	0.050	0.0162	0.50			
2150:103	27	77	1103	102	27	76	1102	343654.7560	0.0162	0.050	0.0162	0.50			
2151:103	28	76	1103	102	28	75	1102	343657.6840	0.0222	0.050	0.0223	0.50			
2152:103	28	75	1103	102	28	74	1102	343657.6840	0.0222	0.050	0.0223	0.50			
2153:103	26	77	1103	102	26	76	1102	343668.6192	-0.0121	0.050	-0.0122	0.50			
2154:103	26	78	1103	102	26	77	1102	343668.6192	-0.0121	0.050	-0.0122	0.50			
2155:103	29	74	1103	102	29	73	1102	343675.4461	0.0134	0.050	0.0134	0.50			
2156:103	29	75	1103	102	29	74	1102	343675.4461	0.0134	0.050	0.0134	0.50			
2157:103	25	78	1103	102	25	77	1102	343701.6883	-0.0630	0.050	-0.0630	0.50			
2158:103	25	79	1103	102	25	78	1102	343701.6883	-0.0630	0.050	-0.0630	0.50			
2159:103	30	74	1103	102	30	73	1102	343706.7129	0.2774	0.150	0.2774	0.50			
2160:103	30	73	1103	102	30	72	1102	343706.7129	0.2774	0.150	0.2774	0.50			
2161:	55	14	42	1	55	54	13	41	1	54	343715.3114	0.0055	0.050	-0.0049	0.50
2162:	55	14	41	1	55	54	13	42	1	54	343715.3114	-0.0152	0.050	-0.0049	0.50
2163:103	31	72	1103	102	31	71	1102	343749.3661	0.0414	0.050	0.0415	0.50			
2164:103	31	73	1103	102	31	72	1102	343749.3661	0.0414	0.050	0.0415	0.50			
2165:103	24	79	1103	102	24	78	1102	343757.1097	0.0012	0.050	0.0012	0.50			
2166:103	24	80	1103	102	24	79	1102	343757.1097	0.0012	0.050	0.0012	0.50			
2167:102	13	90	1102	101	13	89	1101	343779.7375	0.0252	0.100					
2168:102	14	89	1102	101	14	88	1101	343786.8274	-0.0284	0.100					
2169:103	32	71	1103	102	32	70	1102	343803.0348	0.0647	0.050	0.0647	0.50			
2170:103	32	72	1103	102	32	71	1102	343803.0348	0.0647	0.050	0.0647	0.50			
2171:103	23	80	1103	102	23	79	1102	343838.4997	-0.0110	0.050	-0.0110	0.50			
2172:103	23	81	1103	102	23	80	1102	343838.4997	-0.0110	0.050	-0.0110	0.50			
2173:103	34	69	1103	102	34	68	1102	343938.7792	-0.0598	0.050	-0.0599	0.50			
2174:103	34	70	1103	102	34	69	1102	343938.7792	-0.0598	0.050	-0.0599	0.50			
2175:111	0111	1111	1111	110	0110	1110	1110	343946.0247	0.0104	0.050	0.0104	0.20			
2176:111	0111	1111	1111	110	1110	1110	1110	343946.0247	0.0104	0.050	0.0104	0.30			
2177:111	1111	1111	1111	110	0110	1110	1110	343946.0247	0.0104	0.050	0.0104	0.30			
2178:111	1111	1111	1111	110	1110	1110	1110	343946.0247	0.0104	0.050	0.0104	0.20			
2179:103	22	81	1103	102	22	80	1102	343950.9322	0.0654	0.050	0.0655	0.50			
2180:103	22	82	1103	102	22	81	1102	343950.9322	0.0655	0.050	0.0655	0.50			
2181:	64	12	53	1	64	63	11	52	1	63	346422.5620	-0.0714	0.050		
2182:104	11	94	1104	103	11	93	1103	346494.5979	0.0720	0.050					
2183:103	15	89	1103	102	15	88	1102	346567.8257	-0.0377	0.050					
2184:	64	12	52	1	64	63	11	53	1	63	346601.2401	0.0002	0.050		
2185:103	11	93	1103	102	10	92	1102	346649.6617	0.2505	0.100					
2186:	24	23	1	1	24	23	22	2	1	23	346718.2084	0.0047	0.050	0.0048	0.50
2187:	24	23	2	1	24	23	22	1	1	23	346718.2084	0.0047	0.050	0.0048	0.50
2188:105	9	96	1105	104	10	95	1104	346721.3960	0.1414	0.100					
2189:	45	17	28	1	45	44	16	29	1	44	346772.1976	-0.0011	0.050	-0.0012	0.50
2190:	45	17	29	1	45	44	16	28	1	44	346772.1976	-0.0011	0.050	-0.0012	0.50
2191:	72	11	62	1	72	71	10	61	1	71	346881.7751	-0.0105	0.050		
2192:105	10	96	1105	104	10	95	1104	346934.2027	-0.0772	0.050					
2193:	31	21	10	1	31	30	20	11	1	30	346936.3207	0.0003	0.050	0.0004	0.50
2194:	31	21	11	1	31	30	20	10	1	30	346936.3207	0.0003	0.050	0.0004	0.50
2195:103	15	88	1103	102	15	87	1102	346942.3032	-0.0818	0.150					
2196:104	27	77	1104	103	27	76	1103	346943.8939	0.0439	0.050	0.0439	0.50			
2197:104	27	78	1104	103	27	77	1103	346943.8939	0.0439	0.050	0.0439	0.50			
2198:104	28	76	1104	103	28	75	1103	346944.9488	-0.0168	0.050	-0.0169	0.50			
2199:104	28	77	1104	103	28	76	1103	346944.9488	-0.0168	0.050	-0.0169	0.50			
2200:	56	14	43	1	56	55	13	42	1	55	346954.1826	0.0302	0.050	0.0137	0.50
2201:	56	14	42	1	56	55	13	43	1	55	346954.1826	-0.0029	0.050	0.0137	0.50
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2203:104	26	78	1104	103	26	77	1103	346959.9199	-0.0517	0.050	-0.0517	0.50			
2204:104	29	75	1104	103	29	74	1103	346961.2716	-0.0205	0.050	-0.0206	0.50			
2205:104	29	76	1104	103	29	75	1103	346961.2716	-0.0205	0.050	-0.0206	0.50			
2206:104	10	94	1104	103	10	93	1103	346976.5549	0.0426	0.100					
2207:	38	19	20	1	38	37	18	19	1	37	346983.6916	0.0322	0.050	0.0322	0.50
2208:	38	19	19	1	38	37	18	20	1	37	346983.6916	0.0322	0.050	0.0322	0.50
2209:105	9	96	1105	104	9	95	1104	346989.7365	-0.0605	0.050					
2210:104	30	75	1104	103	30	74	1103	346991.1635	0.0006	0.050	0.0007	0.50			
2211:104	30	74	1104	103	30	73	1103	346991.1635	0.0006	0.050	0.0007	0.50			
2212:112	0112	1112	1112	111	0111	1111	1111	346992.6954	-0.0166	0.050	-0.0167	0.20			
2213:112	0112	1112	1112	111	1111	1111	1111	346992.6954	-0.0166	0.050	-0.0167	0.30			
2214:112	1112	1112	1112	111	0111	1111	1111	346992.6954	-0.0166	0.050	-0.0167	0.30			
2215:112	1112	1112	1112	111	1111	1111	1111	346992.6954	-0.0166	0.050	-0.0167	0.20			
2216:104	25	79	1104	103	25	78	1103	346995.8497	0.0255	0.050	0.0256	0.50			
2217:104	25	80	1104	103	25	79	1103	346995.8497	0.0255	0.050	0.0256	0.50			
2218:103	13	91	1103	102	13	90	1102	347027.2140	0.0270	0.050					
2219:104	31	73	1104	103	31	72	1103	347033.1864	-0.0056	0.050	-0.0056	0.50			
2220:104	31	74	1104	103	31	73	1103	347033.1864	-0.0056	0.050	-0.0056	0.50			
2221:104	24	80	1104	103	24	79	1103	347054.5031	-0.0152	0.050	-0.0152	0.50			
2222:104	24	81	1104	103	24	80	1103	347054.5031	-0.0152	0.050	-0.0152	0.50			
2223:109	4105	1109	1109	108	4104	1108	1108	347066.5601	-0.0371	0.050	-0.0372	0.20			

2224:109	4105	1109	108	5104	1108	347066.5601	-0.0371	0.050	-0.0372	0.30
2225:109	5105	1109	108	4104	1108	347066.5601	-0.0372	0.050	-0.0372	0.30
2226:109	5105	1109	108	5104	1108	347066.5601	-0.0371	0.050	-0.0372	0.20
2227:104	32 72	1104	103 32 71	1103		347086.2613	0.0446	0.050	0.0446	0.50
2228:104	32 73	1104	103 32 72	1103		347086.2613	0.0446	0.050	0.0446	0.50
2229:104	23 82	1104	103 23 81	1103		347139.9714	-0.0258	0.050	-0.0259	0.50
2230:104	23 81	1104	103 23 80	1103		347139.9714	-0.0258	0.050	-0.0259	0.50
2231:103	14 90	1103	102 14 89	1102		347146.8069	-0.0502	0.050		
2232:104	33 72	1104	103 33 71	1103		347149.2806	0.0287	0.050	0.0288	0.50
2233:104	33 71	1104	103 33 70	1103		347149.2806	0.0287	0.050	0.0288	0.50
2234: 31 30	1 1 31		31 29 2 1 31			347163.5360	0.1159	0.050	0.1160	0.50
2235: 31 30	2 1 31		31 29 3 1 31			347163.5360	0.1159	0.050	0.1160	0.50
2236: 32 30	2 1 32		32 29 3 1 32			347195.8794	-0.0961	0.050	-0.0961	0.50
2237: 32 30	3 1 32		32 29 4 1 32			347195.8794	-0.0961	0.050	-0.0961	0.50
2238:104	34 70	1104	103 34 69	1103		347221.2204	-0.2361	0.100	-0.2362	0.50
2239:104	34 71	1104	103 34 70	1103		347221.2204	-0.2361	0.100	-0.2362	0.50
2240: 33 30	3 1 33		33 29 4 1 33			347229.3398	-0.0275	0.050	-0.0275	0.50
2241: 33 30	4 1 33		33 29 5 1 33			347229.3398	-0.0275	0.050	-0.0275	0.50
2242:104	22 82	1104	103 22 81	1103		347257.3400	-0.0133	0.050	-0.0134	0.50
2243:104	22 83	1104	103 22 82	1103		347257.3400	-0.0133	0.050	-0.0134	0.50
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2247: 60 13	47 1 60		59 12 48 1 59			347282.0683	0.0055	0.050		
2248: 35 30	5 1 35		35 29 6 1 35			347298.5352	-0.0587	0.050	-0.0587	0.50
2249: 35 30	6 1 35		35 29 7 1 35			347298.5352	-0.0587	0.050	-0.0587	0.50
2250:104	35 69	1104	103 35 68	1103		347302.0971	-0.0105	0.050	-0.0106	0.50
2251:104	35 70	1104	103 35 69	1103		347302.0971	-0.0105	0.050	-0.0106	0.50
2252: 36 30	6 1 36		36 29 7 1 36			347334.3662	-0.0285	0.050	-0.0285	0.50
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2256:104	36 68	1104	103 36 67	1103		347390.5772	-0.0013	0.050	-0.0013	0.50
2257:104	36 69	1104	103 36 68	1103		347390.5772	-0.0013	0.050	-0.0013	0.50
2258: 38 30	8 1 38		38 29 9 1 38			347408.2723	-0.0106	0.050	-0.0106	0.50
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2260:104	21 84	1104	103 21 83	1103		347413.3089	-0.0060	0.050	-0.0062	0.50
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2262:106	8 98	1106	105 9 97	1105		347416.0942	0.0651	0.050		
2263:106	9 98	1106	105 9 97	1105		347432.2207	-0.0002	0.050		
2264:106	8 98	1106	105 8 97	1105		347436.8699	0.0221	0.050		
2265: 39 30	9 1 39		39 29 10 1 39			347446.3509	0.0170	0.050	0.0171	0.50
2266: 39 30	10 1 39		39 29 11 1 39			347446.3509	0.0170	0.050	0.0171	0.50
2267:106	9 98	1106	105 8 97	1105		347453.1030	0.0633	0.050		
2268: 40 30	10 1 40		40 29 11 1 40			347485.0756	-0.0218	0.050	-0.0218	0.50
2269: 40 30	11 1 40		40 29 12 1 40			347485.0756	-0.0218	0.050	-0.0218	0.50
2270: 41 30	11 1 41		41 29 12 1 41			347524.5532	-0.0012	0.050	-0.0013	0.50
2271: 41 30	12 1 41		41 29 13 1 41			347524.5532	-0.0012	0.050	-0.0013	0.50
2272: 42 30	12 1 42		42 29 13 1 42			347564.6752	-0.0099	0.050	-0.0100	0.50
2273: 42 30	13 1 42		42 29 14 1 42			347564.6752	-0.0099	0.050	-0.0100	0.50
2274:104	38 66	1104	103 38 65	1103		347588.9216	0.0604	0.050	0.0604	0.50
2275:104	38 67	1104	103 38 66	1103		347588.9216	0.0604	0.050	0.0604	0.50
2276: 43 30	13 1 43		43 29 14 1 43			347605.5198	0.0504	0.050	0.0504	0.50
2277: 43 30	14 1 43		43 29 15 1 43			347605.5198	0.0504	0.050	0.0504	0.50
2278:104	20 85	1104	103 20 84	1103		347617.0547	0.0311	0.050	0.0283	0.50
2279:104	20 84	1104	103 20 83	1103		347617.0547	0.0254	0.050	0.0283	0.50
2280: 44 30	14 1 44		44 29 15 1 44			347646.8969	0.0103	0.050	0.0104	0.50
2281: 44 30	15 1 44		44 29 16 1 44			347646.8969	0.0103	0.050	0.0104	0.50
2282: 45 30	15 1 45		45 29 16 1 45			347688.9755	0.0597	0.050	0.0597	0.50
2283: 45 30	16 1 45		45 29 17 1 45			347688.9755	0.0597	0.050	0.0597	0.50
2284: 46 30	16 1 46		46 29 17 1 46			347731.5809	0.0452	0.050	0.0452	0.50
2285: 46 30	17 1 46		46 29 18 1 46			347731.5809	0.0452	0.050	0.0452	0.50

PARAMETERS IN FIT (values truncated and Nlines statistics):

10099	A	/MHz	7635.62481(22)	1
20099	B	/MHz	1788.636927(35)	2
30099	C	/MHz	1554.218399(39)	3
299	DJ	/kHz	0.878122(13)	4
1199	DJK	/kHz	-10.00175(14)	5
2099	DK	/kHz	52.4857(12)	6
40199	deltaJ	/kHz	0.2333427(69)	7
41099	deltaK	/kHz	1.72956(65)	8
399	HJ	/Hz	0.00058741(94)	9
1299	HJK	/Hz	0.01675(18)	10
2199	HKJ	/Hz	-0.36068(72)	11
3099	HK	/Hz	1.4592(26)	12
40299	hJ	/Hz	0.0002656(15)	13
41199	hJK	/Hz	-0.00469(22)	14
42099	hK	/Hz	0.1004(60)	15
1399	LJJK	/mHz	-0.0000199(19)	16
2299	LJK	/mHz	-0.001215(13)	17

3199	LKKJ	/mHz	0.01862(31)	18
4099	LK	/mHz	-0.0646(15)	19
40399	LJ	/mHz	-0.000000629(78)	20
41299	LJK	/mHz	-0.000082(13)	21
4199	PKKJ	/mHz	-0.000000375(93)	22
110010000	X.aa*3/2	/MHz	-0.0621(32)	23
110040000	X.(b-c)/4	/MHz	-0.97787(67)	24

MICROWAVE AVG = 0.000391 MHz, IR AVG = 0.00000
MICROWAVE RMS = 0.030317 MHz, IR RMS = 0.00000
END OF ITERATION 1 OLD, NEW RMS ERROR= 0.93721 0.93721

distinct frequency lines in fit: 1464
distinct parameters of fit: 24

MICROWAVE	lines fitted			lines UNFITTD	lines e>900	RMS	RMS ERROR	J range	Ka range	freq. range	
	total	dv=0	dv.ne.0								
v"= 0	63	63	0	0	0	0.003060	1.01241	1 8	0 2	4381	19151
v"= 1	1401	1401	0	0	0	0.030969	0.93227	5 119	0 47	75021	347732

total:	1464	1464	0	0	0	0.030302	0.93586				

NOTE: the RMS values above are for Nlines statistics, but the 'total' values may differ slightly from those in the .FIT file since the o-c values for this evaluation are as rounded in the .FIT.

PARAMETERS IN FIT WITH STANDARD ERRORS ON THOSE THAT ARE FITTED:
(values rounded and degrees of freedom, Ndegf=Nlines-Nconst, statistics)

10099	A	/MHz	7635.62481(21)	1
20099	B	/MHz	1788.636927(33)	2
30099	C	/MHz	1554.218399(37)	3
299	DJ	/kHz	0.878123(12)	4
1199	DJK	/kHz	-10.00176(14)	5
2099	DK	/kHz	52.4857(12)	6
40199	deltaJ	/kHz	0.2333427(65)	7
41099	deltaK	/kHz	1.72956(61)	8
399	HJ	/Hz	0.00058741(89)	9
1299	HJK	/Hz	0.01675(17)	10
2199	HKJ	/Hz	-0.36068(68)	11
3099	HK	/Hz	1.4593(25)	12
40299	hJ	/Hz	0.0002657(14)	13
41199	hJK	/Hz	-0.00470(21)	14
42099	hK	/Hz	0.1004(57)	15
1399	LJJK	/mHz	-0.0000199(18)	16
2299	LJK	/mHz	-0.001216(12)	17
3199	LKKJ	/mHz	0.01863(30)	18
4099	LK	/mHz	-0.0647(14)	19
40399	LJ	/mHz	-0.000000629(74)	20
41299	LJK	/mHz	-0.000082(12)	21
4199	PKKJ	/mHz	-0.000000375(88)	22
110010000	X.aa*3/2	/MHz	-0.0621(30)	23
110040000	X.(b-c)/4	/MHz	-0.97787(63)	24

Worst fitted parameters, with greater than 20% uncertainty:					%
4199	PKKJ	/mHz	-0.000000375(88)	22	23.4

CORRELATION COEFFICIENTS, C.ij:

	A	B	C	-DJ	-DJK	-DK	-deltaJ	-deltaK
A	1.0000							
B	0.1237	1.0000						
C	0.3364	0.6307	1.0000					
-DJ	-0.1908	-0.7116	-0.7940	1.0000				
-DJK	-0.5127	-0.2651	-0.3187	0.1572	1.0000			
-DK	-0.7302	0.0717	-0.1144	0.0621	0.0329	1.0000		
-deltaJ	0.2301	-0.2356	0.4561	-0.2420	0.0070	-0.1869	1.0000	
-deltaK	0.0920	0.3218	0.3370	-0.3262	-0.0310	-0.0962	-0.0759	1.0000
HJ	0.1816	0.5431	0.6622	-0.9032	-0.0853	-0.1004	0.3135	0.1654
HJK	0.0599	0.2548	0.2748	-0.4684	-0.0170	-0.0296	0.0455	0.0748
HKJ	0.1985	-0.1701	-0.1463	0.3631	-0.4131	-0.0561	-0.0253	-0.1171
HK	0.5489	-0.0061	0.1405	-0.1390	0.1080	-0.9290	0.1553	0.1263
hJ	-0.1716	0.2206	-0.3169	0.1146	-0.0253	0.1419	-0.9155	0.1521
hJK	-0.1438	-0.4551	-0.5235	0.6810	0.1136	0.0902	-0.0640	-0.8401
hK	0.0389	0.2022	0.2221	-0.4175	0.0336	-0.0377	0.0463	0.0270
LJJK	-0.1352	-0.4422	-0.4785	0.6778	0.1325	0.0383	-0.0914	-0.2587
LJK	-0.0579	0.0937	0.0972	-0.2160	0.2682	-0.0566	0.0578	0.0549

LKKJ	-0.4473	-0.0004	-0.0768	-0.0272	0.7116	0.2150	-0.0189	0.1532
LK	-0.4712	0.0305	-0.0969	0.0697	-0.1466	0.8852	-0.1340	-0.1209
lJ	0.1576	-0.1714	0.2926	-0.1386	0.0345	-0.1356	0.8503	-0.1889
lJK	0.1588	0.4711	0.5695	-0.7732	-0.1162	-0.0964	0.1449	0.7398
PKKJ	0.4171	-0.0157	0.0534	0.0589	-0.6684	-0.2192	0.0041	-0.1323
X.aa*3/2	0.0489	0.0121	0.0183	-0.0125	-0.0261	-0.0348	0.0079	0.0063
X. (b-c) /4	-0.0422	-0.0107	-0.0052	0.0047	0.0219	0.0308	0.0041	-0.0041

	HJ	HJK	HKJ	HK	hJ	hJK	hK	LJJK
HJ	1.0000							
HJK	0.4787	1.0000						
HKJ	-0.3851	-0.8607	1.0000					
HK	0.1740	0.2055	-0.2094	1.0000				
hJ	-0.2511	0.1197	-0.0981	-0.0932	1.0000			
hJK	-0.4878	-0.3358	-0.2642	-0.1375	-0.1096	1.0000		
hK	0.4484	0.9929	-0.8531	0.2041	0.1118	-0.2855	1.0000	
LJJK	-0.6809	-0.7665	0.7060	-0.2151	-0.0403	0.4836	-0.7061	1.0000
LJK	0.3391	0.1306	-0.2864	0.1451	-0.0750	-0.0643	0.1287	-0.5191
LKKJ	0.0233	0.0836	-0.5606	0.0246	-0.0027	-0.0396	0.0652	-0.1806
LK	-0.0957	-0.0529	0.1173	-0.9760	0.1003	0.0860	-0.0482	0.1083
lJ	0.3224	-0.0337	0.0192	0.1058	-0.9768	0.1458	-0.0216	-0.0365
lJK	0.6452	0.3987	-0.3061	0.1488	0.0221	-0.9719	0.3518	-0.5388
PKKJ	-0.0870	-0.0630	0.5207	0.0013	0.0308	0.0314	-0.0493	0.2358
X.aa*3/2	0.0111	0.0041	0.0088	0.0263	-0.0056	-0.0092	0.0028	-0.0087
X. (b-c) /4	-0.0039	-0.0014	-0.0093	-0.0229	-0.0035	0.0046	-0.0006	0.0041

	LJK	LKKJ	LK	lJ	lJK	PKKJ	X.aa*3/2	X. (b-c) /
LJK	1.0000							
LKKJ	0.2594	1.0000						
LK	-0.1228	-0.0998	1.0000					
lJ	0.1438	0.0137	-0.0993	1.0000				
lJK	0.0785	0.0208	-0.0859	-0.0410	1.0000			
PKKJ	-0.4448	-0.9622	0.0671	-0.0559	-0.0186	1.0000		
X.aa*3/2	-0.0024	-0.0216	-0.0225	0.0054	0.0099	0.0200	1.0000	
X. (b-c) /4	0.0031	0.0191	0.0197	0.0027	-0.0044	-0.0179	-0.0976	1.0000

Mean value of |C.ij|, i.ne.j = 0.2141
Mean value of C.ij, i.ne.j = -0.0257

No correlations with absolute value greater than 0.9950

Worst fitted lines (obs-calc/error):

203:	-4.1	73:	-4.0	500:	3.7	171:	-3.6
156:	-3.4	1088:	3.0	897:	-2.9	401:	-2.9
1824:	-2.9	975:	2.9	707:	-2.9	1602:	2.9
1453:	-2.9	2053:	2.8	1431:	2.8	918:	2.8
1497:	2.7	501:	2.7	481:	2.7	328:	-2.7
207:	-2.7	1124:	2.6	479:	2.6	475:	-2.6
1530:	-2.6	181:	2.6	97:	2.6	96:	2.5
1706:	-2.5	2185:	2.5	407:	-2.5	1601:	-2.5
636:	-2.4	2058:	2.4	202:	2.4	1942:	-2.4
556:	2.4	1886:	2.4	2238:	-2.4	1051:	2.4
1491:	2.3	1774:	2.3	169:	-2.3	2234:	2.3
1599:	-2.3	5:	-2.3	634:	-2.3	1668:	-2.3
1968:	2.3	410:	-2.3				

203/ 24	7 17	1 24	23	7 16	1 23	80563.2752	-0.1014	0.025
73/ 16	3 14	1 16	15	2 13	1 15	75715.7683	-0.1010	0.025
500/ 30	9 21	1 30	30	8 22	1 30	100558.2053	0.0931	0.025
171/ 18	3 16	1 18	17	2 15	1 17	79324.5139	-0.0907	0.025
156/ 38	3 36	1 38	38	2 37	1 38	77499.0446	-0.0845	0.025
1088: 61	5 57	1 61	60	4 56	1 60	200147.0388	0.0887	0.030
897: 35	9 26	1 35	34	9 25	1 34	117562.1056	-0.0732	0.025
401: 32	3 29	1 32	31	4 28	1 31	96661.2653	-0.0730	0.025
1824: 67	4 63	1 67	66	4 62	1 66	218492.7747	-0.0867	0.030
975: 50	11 39	1 50	50	10 40	1 50	122105.7600	0.0721	0.025

/ SPFIT output reformatted with PIFORM

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