A reconstruction of Edward Sang's table of mean anomalies volume A (K46,1880)

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11 january 2021

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Introduction

Edward Sang (1805–1890) was probably the greatest calculator of logarithms of the 19th century [4, 12, 13, 14, 26, 31]. Sang spent 40 years computing tables of logarithms and trigonometric functions, with the assistance from his daughters Flora (1838-1925) and Jane (1834-1878).

Sang's purpose was in particular to provide fundamental tables, including for the decimal division of the quadrant. In 1890 [4, p. 189], he wrote that

> In addition to the results being accurate to a degree far beyond what can ever be needed in practical matters, [the collection of computations] contains what no work of the kind has contained before, a complete and clear record of all the steps by which those results were reached. Thus we are enabled at once to verify, or if necessary, to correct the record, so making it a standard for all time.
>
> For these reasons it is proposed that the entire collection be acquired by, and preserved in, some official library, so as to be accessible to all interested in such matters; so that future computers may be enabled to extend the work without the need of recomputing what has been already done; and also so that those extracts which are judged to be expedient may be published.

But Sang also worked on other tables,[1] and at the end of the 1870s, he turned his attention to Kepler's equation. This equation relates two parameters of an elliptic motion, namely the eccentric and the mean anomalies. Sang found that the mean anomaly could be expressed as the sum of the areas of two circular segments [64], and that prompted him to construct a table of circular segments [49].

Solving Kepler's equation required having a first estimate of the eccentric anomaly. In 1890 [4], Sang wrote that

> In order to be able promptly to make this first estimate sufficiently near in every possible case, a table of mean anomalies from degree to degree of the angular position, and also from degree to degree of the angle of excentricity of the orbit, has been computed according to the decimal system.

Sang's table of mean anomalies (K46)[2] reconstructed here[3] gives the mean anomaly as a function of the eccentric anomaly. This table was briefly described in [70, 4].

In order to understand what this function actually tabulates, we need to recall the various parameters describing the elliptic motion. In figure 1, P is a planet orbiting on an elliptic path around the Sun S. From P we obtain point Q which is on a cercle whose radius is the semi-major axis of the ellipse. A is the perihelion. The angle p is the eccentric anomaly, which Sang prefers to call "angle of position."

[1] A summary of Sang's main tables and the ones I have reconstructed is given in a separate guide [35].

[2] National Library of Scotland, Edinburgh, Acc.10780/56.

[3] The present introduction is almost identical to that written for the twin volume K47[50].

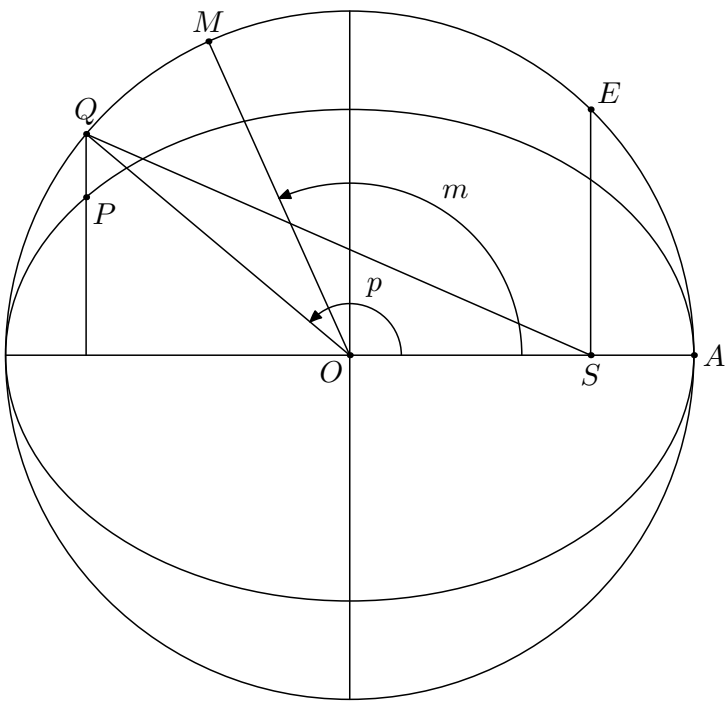

Figure 1: Eccentric and mean anomalies.

According to Kepler's second law, the segment SP sweeps equal areas in equal times. Consequently, this is also true of the segment SQ, as the circle $AEMQ$ is a mere projection of the elliptic path. All areas are multiplied by a constant factor.

Q has an uneven motion around O, and M represents the mean motion of Q, when both points start together at the perihelion A. The angle m is the mean anomaly.

The eccentricity ε of the ellipse is OS/OA and according to Kepler's equation, we have

$$m = p - \varepsilon \sin p$$

This assumes that m and p are expressed in radians.

Now, Sang writes $e = \widehat{AE}$, and we have naturally $\varepsilon = \cos e$. Therefore, Kepler's equation reads

$$m = p - \cos e \cdot \sin p$$

and

$$\frac{200}{\pi} m = \frac{200}{\pi} p - \frac{200}{\pi} \cos e \cdot \sin\left(\frac{200}{\pi} p\right)$$

If now $m' = \frac{200}{\pi} m$ and $p' = \frac{200}{\pi} p$ are the mean and eccentric anomalies expressed in centesimal degrees, we obtain

$$m' = p' - \frac{200}{\pi} \cos e \cdot \sin(p')$$

and this is the equation which was tabulated by Sang.

More precisely, Sang gives the values of

$$\theta - \frac{200}{\pi} \cos e \cdot \sin \theta \tag{1}$$

for $e = 0^c$ to $e = 99^c$ and for $\theta = 0^c$ to $\theta = 200^c$. Each degree of eccentricity spans four pages. The values of the mean anomalies are given to the eighth decimal place of the degree.[4]

Formula (1) might be considered as an extension of the formula for circular segments, which happens to be the case $e = 0$. Consequently, the table of circular segments is a subtable of the present table.

In a second volume (K47) [50], Sang gives the same values, but restricted to four decimal places, with differences and variations.

The tables K46 and K47 could be used to provide first approximations of the values of the eccentric anomaly, as explained in the description of volume K45 [49].

Sang's article on elliptic motions [65] also contains on six pages tables of anomalies for $e = 10^c$, 50^c and 90^c. These tables give the mean and true anomalies to four decimal places and for the angles of position (eccentric anomalies) between 0 and 200^c.

Sang also had the project of computing more extensive tables of true anomalies and radii, but after the completion of the tables of mean anomalies, he preferred to compute logarithmic sines and tangents [47]. He sketched the computation of true anomalies and radii shortly before his death for others to continue.[5]

There are a number of other tables of anomalies, but most of these tables are meant to compute the true anomaly, or give the value of the eccentric anomaly as a function of the mean anomaly and the eccentricity. The latter tables are the opposite of Sang's table, but at the same time they seem to be what Sang sought to provide initially. An example of such a table is found in Åstrand's *Hülfstafeln* [7] published in 1890, the year of Sang's death.

[4]The reconstruction provided here is based on written notes, and may slightly differ from the original table.

[5]See Sang's 1889 notice [69], also transcribed in my analysis of the computation of sines [36].

References

The following list covers the most important references[6] related to Sang's table. Not all items of this list are mentioned in the text, and the sources which have not been seen are marked so. I have added notes about the contents of the articles in certain cases.

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[7] Johan Julius Åstrand. *Hülfstafeln zur leichten und genauen Auflösung des Kepler'schen Problems.* Leipzig: Wilhelm Engelmann, 1890.

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[9] Johann Karl Burckhardt. *Table des diviseurs pour tous les nombres du troisième million, ou plus exactement, depuis 2028000 à 3036000, avec les nombres premiers qui s'y trouvent.* Paris: Veuve Courcier, 1816. [also published in [10] together with [11] and [8]]

[6] **Note on the titles of the works:** Original titles come with many idiosyncrasies and features (line splitting, size, fonts, etc.) which can often not be reproduced in a list of references. It has therefore seemed pointless to capitalize works according to conventions which not only have no relation with the original work, but also do not restore the title entirely. In the following list of references, most title words (except in German) will therefore be left uncapitalized. The names of the authors have also been homogenized and initials expanded, as much as possible.

The reader should keep in mind that this list is not meant as a facsimile of the original works. The original style information could no doubt have been added as a note, but I have not done it here.

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$$e = 0^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.6376 1604
1	0.0000 4112	26	0.7167 8003
2	0.0003 2897	27	0.8021 8227
3	0.0011 1021	28	0.8940 4843
4	0.0026 3138	29	0.9926 0258
5	0.0051 3883	30	1.0980 6714
6	0.0088 7870	31	1.2106 6282
7	0.0140 9679	32	1.3306 0857
8	0.0210 3854	33	1.4581 2153
9	0.0299 4898	34	1.5934 1698
10	0.0410 7265	35	1.7367 0827
11	0.0546 5353	36	1.8882 0678
12	0.0709 3502	37	2.0481 2186
13	0.0901 5982	38	2.2166 6079
14	0.1125 6993	39	2.3940 2873
15	0.1384 0656	40	2.5804 2865
16	0.1679 1006	41	2.7760 6128
17	0.2013 1990	42	2.9811 2510
18	0.2388 7456	43	3.1958 1624
19	0.2808 1151	44	3.4203 2847
20	0.3273 6714	45	3.6548 5313
21	0.3787 7670	46	3.8995 7908
22	0.4352 7423	47	4.1546 9268
23	0.4970 9254	48	4.4203 7772
24	0.5644 6311	49	4.6968 1538
25	0.6376 1604	50	4.9841 8419

$$e = 0^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	4.9841 8419	75	16.1840 0223
51	5.2826 5998	76	16.8085 9052
52	5.5924 1583	77	17.4477 8340
53	5.9136 2207	78	18.1016 6990
54	6.2464 4616	79	18.7703 3542
55	6.5910 5273	80	19.4538 6171
56	6.9476 0348	81	20.1523 2685
57	7.3162 5717	82	20.8658 0524
58	7.6971 6959	83	21.5943 6758
59	8.0904 9347	84	22.3380 8084
60	8.4963 7852	85	23.0970 0826
61	8.9149 7131	86	23.8712 0932
62	9.3464 1531	87	24.6607 3972
63	9.7908 5079	88	25.4656 5140
64	10.2484 1483	89	26.2859 9250
65	10.7192 4127	90	27.1218 0734
66	11.2034 6067	91	27.9731 3644
67	11.7012 0030	92	28.8400 1647
68	12.2125 8408	93	29.7224 8028
69	12.7377 3257	94	30.6205 5687
70	13.2767 6294	95	31.5342 7139
71	13.8297 8891	96	32.4636 4513
72	14.3969 2078	97	33.4086 9552
73	14.9782 6535	98	34.3694 3611
74	15.5739 2591	99	35.3458 7658
75	16.1840 0223	100	36.3380 2276

$e = 0^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	36.3380 2276	125	66.1840 0223
101	37.3458 7658	126	67.5739 2591
102	38.3694 3611	127	68.9782 6535
103	39.4086 9552	128	70.3969 2078
104	40.4636 4513	129	71.8297 8891
105	41.5342 7139	130	73.2767 6294
106	42.6205 5687	131	74.7377 3257
107	43.7224 8028	132	76.2125 8408
108	44.8400 1647	133	77.7012 0030
109	45.9731 3644	134	79.2034 6067
110	47.1218 0734	135	80.7192 4127
111	48.2859 9250	136	82.2484 1483
112	49.4656 5140	137	83.7908 5079
113	50.6607 3972	138	85.3464 1531
114	51.8712 0932	139	86.9149 7131
115	53.0970 0826	140	88.4963 7852
116	54.3380 8084	141	90.0904 9347
117	55.5943 6758	142	91.6971 6959
118	56.8658 0524	143	93.3162 5717
119	58.1523 2685	144	94.9476 0348
120	59.4538 6171	145	96.5910 5273
121	60.7703 3542	146	98.2464 4616
122	62.1016 6990	147	99.9136 2207
123	63.4477 8340	148	101.5924 1583
124	64.8085 9052	149	103.2826 5998
125	66.1840 0223	150	104.9841 8419

$e = 0^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	104.9841 8419	175	150.6376 1604
151	106.6968 1538	176	152.5644 6311
152	108.4203 7772	177	154.4970 9254
153	110.1546 9268	178	156.4352 7423
154	111.8995 7908	179	158.3787 7670
155	113.6548 5313	180	160.3273 6714
156	115.4203 2847	181	162.2808 1151
157	117.1958 1624	182	164.2388 7456
158	118.9811 2510	183	166.2013 1990
159	120.7760 6128	184	168.1679 1006
160	122.5804 2865	185	170.1384 0656
161	124.3940 2873	186	172.1125 6993
162	126.2166 6079	187	174.0901 5982
163	128.0481 2186	188	176.0709 3502
164	129.8882 0678	189	178.0546 5353
165	131.7367 0827	190	180.0410 7265
166	133.5934 1698	191	182.0299 4898
167	135.4581 2153	192	184.0210 3854
168	137.3306 0857	193	186.0140 9679
169	139.2106 6282	194	188.0088 7870
170	141.0980 6714	195	190.0051 3883
171	142.9926 0258	196	192.0026 3138
172	144.8940 4843	197	194.0011 1021
173	146.8021 8227	198	196.0003 2897
174	148.7167 8003	199	198.0000 4112
175	150.6376 1604	200	200.0000 0000

$e = 1^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.6406 2157
1	0.0001 6449	26	0.7198 9915
2	0.0005 7567	27	0.8054 1423
3	0.0014 8017	28	0.8973 9243
4	0.0031 2452	29	0.9960 5779
5	0.0057 5504	30	1.1016 3270
6	0.0096 1781	31	1.2143 3785
7	0.0149 5862	32	1.3343 9217
8	0.0220 2288	33	1.4620 1277
9	0.0310 5559	34	1.5974 1490
10	0.0423 0126	35	1.7408 1188
11	0.0560 0383	36	1.8924 1506
12	0.0724 0668	37	2.0524 3378
13	0.0917 5247	38	2.2210 7530
14	0.1142 8319	39	2.3985 4472
15	0.1402 4000	40	2.5850 4501
16	0.1698 6323	41	2.7807 7688
17	0.2033 9231	42	2.9859 3876
18	0.2410 6570	43	3.2007 2679
19	0.2831 2085	44	3.4253 3469
20	0.3297 9410	45	3.6599 5378
21	0.3813 2069	46	3.9047 7291
22	0.4379 3462	47	4.1599 7840
23	0.4998 6867	48	4.4257 5403
24	0.5673 5429	49	4.7022 8096
25	0.6406 2157	50	4.9897 3768

$e = 1^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	4.9897 3768	75	16.1912 5822
51	5.2883 0001	76	16.8158 9282
52	5.5981 4102	77	17.4551 3021
53	5.9194 3100	78	18.1090 5941
54	6.2523 3740	79	18.7777 6581
55	6.5970 2482	80	19.4613 3114
56	6.9536 5495	81	20.1598 3348
57	7.3223 8653	82	20.8733 4722
58	7.7033 7532	83	21.6019 4304
59	8.0967 7405	84	22.3456 8792
60	8.5027 3239	85	23.1046 4508
61	8.9213 9691	86	23.8788 7399
62	9.3529 1105	87	24.6684 3036
63	9.7974 1507	88	25.4733 6611
64	10.2550 4603	89	26.2937 2937
65	10.7259 3775	90	27.1295 6447
66	11.2102 2078	91	27.9809 1191
67	11.7080 2238	92	28.8478 0836
68	12.2194 6644	93	29.7302 8667
69	12.7446 7351	94	30.6283 7584
70	13.2837 6074	95	31.5421 0100
71	13.8368 4186	96	32.4714 8346
72	14.4040 2713	97	33.4165 4062
73	14.9854 2335	98	34.3772 8605
74	15.5811 3379	99	35.3537 2943
75	16.1912 5822	100	36.3458 7658

$e = 1^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	36.3458 7658	125	66.1912 5822
101	37.3537 2943	126	67.5811 3379
102	38.3772 8605	127	68.9854 2335
103	39.4165 4062	128	70.4040 2713
104	40.4714 8346	129	71.8368 4186
105	41.5421 0100	130	73.2837 6074
106	42.6283 7584	131	74.7446 7351
107	43.7302 8667	132	76.2194 6644
108	44.8478 0836	133	77.7080 2238
109	45.9809 1191	134	79.2102 2078
110	47.1295 6447	135	80.7259 3775
111	48.2937 2937	136	82.2550 4603
112	49.4733 6611	137	83.7974 1507
113	50.6684 3036	138	85.3529 1105
114	51.8788 7399	139	86.9213 9691
115	53.1046 4508	140	88.5027 3239
116	54.3456 8792	141	90.0967 7405
117	55.6019 4304	142	91.7033 7532
118	56.8733 4722	143	93.3223 8653
119	58.1598 3348	144	94.9536 5495
120	59.4613 3114	145	96.5970 2482
121	60.7777 6581	146	98.2523 3740
122	62.1090 5941	147	99.9194 3100
123	63.4551 3021	148	101.5981 4102
124	64.8158 9282	149	103.2883 0001
125	66.1912 5822	150	104.9897 3768

$e = 1^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	104.9897 3768	175	150.6406 2157
151	106.7022 8096	176	152.5673 5429
152	108.4257 5403	177	154.4998 6867
153	110.1599 7840	178	156.4379 3462
154	111.9047 7291	179	158.3813 2069
155	113.6599 5378	180	160.3297 9410
156	115.4253 3469	181	162.2831 2085
157	117.2007 2679	182	164.2410 6570
158	118.9859 3876	183	166.2033 9231
159	120.7807 7688	184	168.1698 6323
160	122.5850 4501	185	170.1402 4000
161	124.3985 4472	186	172.1142 8319
162	126.2210 7530	187	174.0917 5247
163	128.0524 3378	188	176.0724 0668
164	129.8924 1506	189	178.0560 0383
165	131.7408 1188	190	180.0423 0126
166	133.5974 1490	191	182.0310 5559
167	135.4620 1277	192	184.0220 2288
168	137.3343 9217	193	186.0149 5862
169	139.2143 3785	194	188.0096 1781
170	141.1016 3270	195	190.0057 5504
171	142.9960 5779	196	192.0031 2452
172	144.8973 9243	197	194.0014 8017
173	146.8054 1423	198	196.0005 7567
174	148.7198 9915	199	198.0001 6449
175	150.6406 2157	200	200.0000 0000

$$e = 2^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.6496 3741
1	0.0005 3454	26	0.7292 5577
2	0.0013 1569	27	0.8151 0931
3	0.0025 8998	28	0.9074 2358
4	0.0046 0384	29	1.0064 2254
5	0.0076 0350	30	1.1123 2850
6	0.0118 3496	31	1.2253 6206
7	0.0175 4391	32	1.3457 4206
8	0.0249 7567	33	1.4736 8554
9	0.0343 7516	34	1.6094 0767
10	0.0459 8678	35	1.7531 2169
11	0.0600 5440	36	1.9050 3889
12	0.0768 2129	37	2.0653 6850
13	0.0965 3005	38	2.2343 1771
14	0.1194 2254	39	2.4120 9157
15	0.1457 3986	40	2.5988 9295
16	0.1757 2224	41	2.7949 2249
17	0.2096 0903	42	3.0003 7856
18	0.2476 3860	43	3.2154 5721
19	0.2900 4830	44	3.4403 5209
20	0.3370 7440	45	3.6752 5446
21	0.3889 5202	46	3.9203 5310
22	0.4459 1512	47	4.1758 3426
23	0.5081 9637	48	4.4418 8164
24	0.5760 2713	49	4.7186 7633
25	0.6496 3741	50	5.0063 9678

$$e = 2^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.0063 9678	75	16.2130 2438
51	5.3052 1873	76	16.8377 9791
52	5.6153 1518	77	17.4771 6883
53	5.9368 5635	78	18.1312 2611
54	6.2700 0966	79	18.8000 5513
55	6.6149 3962	80	19.4837 3757
56	6.9718 0787	81	20.1823 5150
57	7.3407 7310	82	20.8959 7128
58	7.7219 9100	83	21.6246 6756
59	8.1156 1424	84	22.3685 0728
60	8.5217 9245	85	23.1275 5365
61	8.9406 7213	86	23.9018 6612
62	9.3723 9667	87	24.6915 0038
63	9.8171 0629	88	25.4965 0833
64	10.2749 3799	89	26.3169 3808
65	10.7460 2554	90	27.1528 3394
66	11.2304 9945	91	28.0042 3639
67	11.7284 8692	92	28.8711 8211
68	12.2401 1180	93	29.7537 0392
69	12.7654 9461	94	30.6518 3080
70	13.3047 5243	95	31.5655 8790
71	13.8579 9896	96	32.4949 9649
72	14.4253 4443	97	33.4400 7399
73	15.0068 9557	98	34.4008 3395
74	15.6027 5565	99	35.3772 8605
75	16.2130 2438	100	36.3694 3611

$$e = 2^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	36.3694 3611	125	66.2130 2438
101	37.3772 8605	126	67.6027 5565
102	38.4008 3395	127	69.0068 9557
103	39.4400 7399	128	70.4253 4443
104	40.4949 9649	129	71.8579 9896
105	41.5655 8790	130	73.3047 5243
106	42.6518 3080	131	74.7654 9461
107	43.7537 0392	132	76.2401 1180
108	44.8711 8211	133	77.7284 8692
109	46.0042 3639	134	79.2304 9945
110	47.1528 3394	135	80.7460 2554
111	48.3169 3808	136	82.2749 3799
112	49.4965 0833	137	83.8171 0629
113	50.6915 0038	138	85.3723 9667
114	51.9018 6612	139	86.9406 7213
115	53.1275 5365	140	88.5217 9245
116	54.3685 0728	141	90.1156 1424
117	55.6246 6756	142	91.7219 9100
118	56.8959 7128	143	93.3407 7310
119	58.1823 5150	144	94.9718 0787
120	59.4837 3757	145	96.6149 3962
121	60.8000 5513	146	98.2700 0966
122	62.1312 2611	147	99.9368 5635
123	63.4771 6883	148	101.6153 1518
124	64.8377 9791	149	103.3052 1873
125	66.2130 2438	150	105.0063 9678

$$e = 2^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	105.0063 9678	175	150.6496 3741
151	106.7186 7633	176	152.5760 2713
152	108.4418 8164	177	154.5081 9637
153	110.1758 3426	178	156.4459 1512
154	111.9203 5310	179	158.3889 5202
155	113.6752 5446	180	160.3370 7440
156	115.4403 5209	181	162.2900 4830
157	117.2154 5721	182	164.2476 3860
158	119.0003 7856	183	166.2096 0903
159	120.7949 2249	184	168.1757 2224
160	122.5988 9295	185	170.1457 3986
161	124.4120 9157	186	172.1194 2254
162	126.2343 1771	187	174.0965 3005
163	128.0653 6850	188	176.0768 2129
164	129.9050 3889	189	178.0600 5440
165	131.7531 2169	190	180.0459 8678
166	133.6094 0767	191	182.0343 7516
167	135.4736 8554	192	184.0249 7567
168	137.3457 4206	193	186.0175 4391
169	139.2253 6206	194	188.0118 3496
170	141.1123 2850	195	190.0076 0350
171	143.0064 2254	196	192.0046 0384
172	144.9074 2358	197	194.0025 8998
173	146.8151 0931	198	196.0013 1569
174	148.7292 5577	199	198.0005 3454
175	150.6496 3741	200	200.0000 0000

$$e = 3^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.6646 6133
1	0.0011 5120	26	0.7448 4756
2	0.0025 4886	27	0.8312 6512
3	0.0044 3935	28	0.9241 3943
4	0.0070 6895	29	1.0236 9430
5	0.0106 8375	30	1.1301 5190
6	0.0155 2959	31	1.2437 3271
7	0.0218 5201	32	1.3646 5542
8	0.0298 9618	33	1.4931 3696
9	0.0399 0686	34	1.6293 9234
10	0.0521 2830	35	1.7736 3468
11	0.0668 0423	36	1.9260 7513
12	0.0841 7777	37	2.0869 2281
13	0.1044 9136	38	2.2563 8477
14	0.1279 8672	39	2.4346 6594
15	0.1549 0479	40	2.6219 6905
16	0.1854 8566	41	2.8184 9463
17	0.2199 6854	42	3.0244 4093
18	0.2585 9163	43	3.2400 0387
19	0.3015 9215	44	3.4653 7698
20	0.3492 0622	45	3.7007 5141
21	0.4016 6883	46	3.9463 1581
22	0.4592 1377	47	4.2022 5633
23	0.5220 7358	48	4.4687 5655
24	0.5904 7948	49	4.7459 9746
25	0.6646 6133	50	5.0341 5738

$$e = 3^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.0341 5738	75	16.2492 9534
51	5.3334 1194	76	16.8743 0039
52	5.6439 3406	77	17.5138 9381
53	5.9658 9383	78	18.1681 6454
54	6.2994 5858	79	18.8371 9788
55	6.6447 9271	80	19.5210 7549
56	7.0020 5777	81	20.2198 7537
57	7.3714 1234	82	20.9336 7184
58	7.7530 1202	83	21.6625 3551
59	8.1470 0939	84	22.4065 3328
60	8.5535 5398	85	23.1657 2832
61	8.9727 9221	86	23.9401 8004
62	9.4048 6737	87	24.7299 4409
63	9.8499 1960	88	25.5350 7235
64	10.3080 8581	89	26.3556 1289
65	10.7794 9970	90	27.1916 1000
66	11.2642 9168	91	28.0431 0414
67	11.7625 8888	92	28.9101 3195
68	12.2745 1509	93	29.7927 2624
69	12.8001 9073	94	30.6909 1598
70	13.3397 3283	95	31.6047 2629
71	13.8932 5500	96	32.5341 7843
72	14.4608 6740	97	33.4792 8982
73	15.0426 7673	98	34.4400 7399
74	15.6387 8616	99	35.4165 4062
75	16.2492 9534	100	36.4086 9552

$$e = 3^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	36.4086 9552	125	66.2492 9534
101	37.4165 4062	126	67.6387 8616
102	38.4400 7399	127	69.0426 7673
103	39.4792 8982	128	70.4608 6740
104	40.5341 7843	129	71.8932 5500
105	41.6047 2629	130	73.3397 3283
106	42.6909 1598	131	74.8001 9073
107	43.7927 2624	132	76.2745 1509
108	44.9101 3195	133	77.7625 8888
109	46.0431 0414	134	79.2642 9168
110	47.1916 1000	135	80.7794 9970
111	48.3556 1289	136	82.3080 8581
112	49.5350 7235	137	83.8499 1960
113	50.7299 4409	138	85.4048 6737
114	51.9401 8004	139	86.9727 9221
115	53.1657 2832	140	88.5535 5398
116	54.4065 3328	141	90.1470 0939
117	55.6625 3551	142	91.7530 1202
118	56.9336 7184	143	93.3714 1234
119	58.2198 7537	144	95.0020 5777
120	59.5210 7549	145	96.6447 9271
121	60.8371 9788	146	98.2994 5858
122	62.1681 6454	147	99.9658 9383
123	63.5138 9381	148	101.6439 3406
124	64.8743 0039	149	103.3334 1194
125	66.2492 9534	150	105.0341 5738

$$e = 3^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	105.0341 5738	175	150.6646 6133
151	106.7459 9746	176	152.5904 7948
152	108.4687 5655	177	154.5220 7358
153	110.2022 5633	178	156.4592 1377
154	111.9463 1581	179	158.4016 6883
155	113.7007 5141	180	160.3492 0622
156	115.4653 7698	181	162.3015 9215
157	117.2400 0387	182	164.2585 9163
158	119.0244 4093	183	166.2199 6854
159	120.8184 9463	184	168.1854 8566
160	122.6219 6905	185	170.1549 0479
161	124.4346 6594	186	172.1279 8672
162	126.2563 8477	187	174.1044 9136
163	128.0869 2281	188	176.0841 7777
164	129.9260 7513	189	178.0668 0423
165	131.7736 3468	190	180.0521 2830
166	133.6293 9234	191	182.0399 0686
167	135.4931 3696	192	184.0298 9618
168	137.3646 5542	193	186.0218 5201
169	139.2437 3271	194	188.0155 2959
170	141.1301 5190	195	190.0106 8375
171	143.0236 9430	196	192.0070 6895
172	144.9241 3943	197	194.0044 3935
173	146.8312 6512	198	196.0025 4886
174	148.7448 4756	199	198.0011 5120
175	150.6646 6133	200	200.0000 0000

$$e = 4^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.6856 8964
1	0.0020 1431	26	0.7666 7069
2	0.0042 7486	27	0.8538 7768
3	0.0070 2783	28	0.9475 3584
4	0.0105 1927	29	1.0478 6878
5	0.0149 9505	30	1.1550 9850
6	0.0207 0081	31	1.2694 4527
7	0.0278 8187	32	1.3911 2760
8	0.0367 8320	33	1.5203 6222
9	0.0476 4933	34	1.6573 6397
10	0.0607 2432	35	1.8023 4577
11	0.0762 5167	36	1.9555 1861
12	0.0944 7430	37	2.1170 9141
13	0.1156 3444	38	2.2872 7104
14	0.1399 7360	39	2.4662 6226
15	0.1677 3252	40	2.6542 6762
16	0.1991 5108	41	2.8514 8749
17	0.2344 6826	42	3.0581 1994
18	0.2739 2208	43	3.2743 6071
19	0.3177 4955	44	3.5004 0319
20	0.3661 8659	45	3.7364 3833
21	0.4194 6797	46	3.9826 5465
22	0.4778 2729	47	4.2392 3811
23	0.5414 9689	48	4.5063 7215
24	0.6107 0779	49	4.7842 3760
25	0.6856 8964	50	5.0730 1262

$$e = 4^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.0730 1262	75	16.3000 6217
51	5.3728 7271	76	16.9253 9125
52	5.6839 9060	77	17.5652 9610
53	6.0065 3628	78	18.2198 6558
54	6.3406 7689	79	18.8891 8491
55	6.6865 7673	80	19.5733 3568
56	7.0443 9718	81	20.2723 9583
57	7.4142 9669	82	20.9864 3961
58	7.7964 3073	83	21.7155 3757
59	8.1909 5176	84	22.4597 5656
60	8.5980 0915	85	23.2191 5968
61	9.0177 4922	86	23.9938 0629
62	9.4503 1513	87	24.7837 5201
63	9.8958 4689	88	25.5890 4866
64	10.3544 8130	89	26.4097 4427
65	10.8263 5194	90	27.2458 8309
66	11.3115 8912	91	28.0975 0556
67	11.8103 1985	92	28.9646 4827
68	12.3226 6780	93	29.8473 4401
69	12.8487 5331	94	30.7456 2173
70	13.3886 9329	95	31.6595 0651
71	13.9426 0127	96	32.5890 1962
72	14.5105 8730	97	33.5341 7843
73	15.0927 5799	98	34.4949 9649
74	15.6892 1642	99	35.4714 8346
75	16.3000 6217	100	36.4636 4513

$$e = 4^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	36.4636 4513	125	66.3000 6217
101	37.4714 8346	126	67.6892 1642
102	38.4949 9649	127	69.0927 5799
103	39.5341 7843	128	70.5105 8730
104	40.5890 1962	129	71.9426 0127
105	41.6595 0651	130	73.3886 9329
106	42.7456 2173	131	74.8487 5331
107	43.8473 4401	132	76.3226 6780
108	44.9646 4827	133	77.8103 1985
109	46.0975 0556	134	79.3115 8912
110	47.2458 8309	135	80.8263 5194
111	48.4097 4427	136	82.3544 8130
112	49.5890 4866	137	83.8958 4689
113	50.7837 5201	138	85.4503 1513
114	51.9938 0629	139	87.0177 4922
115	53.2191 5968	140	88.5980 0915
116	54.4597 5656	141	90.1909 5176
117	55.7155 3757	142	91.7964 3073
118	56.9864 3961	143	93.4142 9669
119	58.2723 9583	144	95.0443 9718
120	59.5733 3568	145	96.6865 7673
121	60.8891 8491	146	98.3406 7689
122	62.2198 6558	147	100.0065 3628
123	63.5652 9610	148	101.6839 9060
124	64.9253 9125	149	103.3728 7271
125	66.3000 6217	150	105.0730 1262

$$e = 4^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	105.0730 1262	175	150.6856 8964
151	106.7842 3760	176	152.6107 0779
152	108.5063 7215	177	154.5414 9689
153	110.2392 3811	178	156.4778 2729
154	111.9826 5465	179	158.4194 6797
155	113.7364 3833	180	160.3661 8659
156	115.5004 0319	181	162.3177 4955
157	117.2743 6071	182	164.2739 2208
158	119.0581 1994	183	166.2344 6826
159	120.8514 8749	184	168.1991 5108
160	122.6542 6762	185	170.1677 3252
161	124.4662 6226	186	172.1399 7360
162	126.2872 7104	187	174.1156 3444
163	128.1170 9141	188	176.0944 7430
164	129.9555 1861	189	178.0762 5167
165	131.8023 4577	190	180.0607 2432
166	133.6573 6397	191	182.0476 4933
167	135.5203 6222	192	184.0367 8320
168	137.3911 2760	193	186.0278 8187
169	139.2694 4527	194	188.0207 0081
170	141.1550 9850	195	190.0149 9505
171	143.0478 6878	196	192.0105 1927
172	144.9475 3584	197	194.0070 2783
173	146.8538 7768	198	196.0042 7486
174	148.7666 7069	199	198.0020 1431
175	150.6856 8964	200	200.0000 0000

$$e = 5^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.7127 1714
1	0.0031 2366	26	0.7947 1976
2	0.0064 9329	27	0.8829 4140
3	0.0103 5478	28	0.9776 0704
4	0.0149 5393	29	1.0789 4004
5	0.0205 3632	30	1.1871 6215
6	0.0273 4733	31	1.3024 9340
7	0.0356 3199	32	1.4251 5206
8	0.0456 3501	33	1.5553 5461
9	0.0576 0065	34	1.6933 1566
10	0.0717 7270	35	1.8392 4789
11	0.0883 9438	36	1.9933 6205
12	0.1077 0834	37	2.1558 6683
13	0.1299 5655	38	2.3269 6889
14	0.1553 8024	39	2.5068 7273
15	0.1842 1989	40	2.6957 8070
16	0.2167 1511	41	2.8938 9293
17	0.2531 0462	42	3.1014 0727
18	0.2936 2618	43	3.3185 1926
19	0.3385 1652	44	3.5454 2206
20	0.3880 1130	45	3.7823 0642
21	0.4423 4505	46	4.0293 6063
22	0.5017 5108	47	4.2867 7047
23	0.5664 6150	48	4.5547 1916
24	0.6367 0705	49	4.8333 8732
25	0.7127 1714	50	5.1229 5293

$$e = 5^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.1229 5293	75	16.3653 1232
51	5.4235 9128	76	16.9910 5788
52	5.7354 7493	77	17.6313 6301
53	6.0587 7366	78	18.2863 1647
54	6.3936 5443	79	18.9560 0338
55	6.7402 8136	80	19.6405 0525
56	7.0988 1565	81	20.3398 9992
57	7.4694 1557	82	21.0542 6156
58	7.8522 3643	83	21.7836 6065
59	8.2474 3049	84	22.5281 6396
60	8.6551 4700	85	23.2878 3453
61	9.0755 3207	86	24.0627 3164
62	9.5087 2874	87	24.8529 1086
63	9.9548 7684	88	25.6584 2393
64	10.4141 1302	89	26.4793 1886
65	10.8865 7073	90	27.3156 3983
66	11.3723 8011	91	28.1674 2722
67	11.8716 6805	92	29.0347 1762
68	12.3845 5807	93	29.9175 4376
69	12.9111 7037	94	30.8159 3454
70	13.4516 2175	95	31.7299 1505
71	14.0060 2560	96	32.6595 0651
72	14.5744 9185	97	33.6047 2629
73	15.1571 2699	98	34.5655 8790
74	15.7540 3400	99	35.5421 0100
75	16.3653 1232	100	36.5342 7139

$$e = 5^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	36.5342 7139	125	66.3653 1232
101	37.5421 0100	126	67.7540 3400
102	38.5655 8790	127	69.1571 2699
103	39.6047 2629	128	70.5744 9185
104	40.6595 0651	129	72.0060 2560
105	41.7299 1505	130	73.4516 2175
106	42.8159 3454	131	74.9111 7037
107	43.9175 4376	132	76.3845 5807
108	45.0347 1762	133	77.8716 6805
109	46.1674 2722	134	79.3723 8011
110	47.3156 3983	135	80.8865 7073
111	48.4793 1886	136	82.4141 1302
112	49.6584 2393	137	83.9548 7684
113	50.8529 1086	138	85.5087 2874
114	52.0627 3164	139	87.0755 3207
115	53.2878 3453	140	88.6551 4700
116	54.5281 6396	141	90.2474 3049
117	55.7836 6065	142	91.8522 3643
118	57.0542 6156	143	93.4694 1557
119	58.3398 9992	144	95.0988 1565
120	59.6405 0525	145	96.7402 8136
121	60.9560 0338	146	98.3936 5443
122	62.2863 1647	147	100.0587 7366
123	63.6313 6301	148	101.7354 7493
124	64.9910 5788	149	103.4235 9128
125	66.3653 1232	150	105.1229 5293

$e = 5^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	105.1229 5293	175	150.7127 1714
151	106.8333 8732	176	152.6367 0705
152	108.5547 1916	177	154.5664 6150
153	110.2867 7047	178	156.5017 5108
154	112.0293 6063	179	158.4423 4505
155	113.7823 0642	180	160.3880 1130
156	115.5454 2206	181	162.3385 1652
157	117.3185 1926	182	164.2936 2618
158	119.1014 0727	183	166.2531 0462
159	120.8938 9293	184	168.2167 1511
160	122.6957 8070	185	170.1842 1989
161	124.5068 7273	186	172.1553 8024
162	126.3269 6889	187	174.1299 5655
163	128.1558 6683	188	176.1077 0834
164	129.9933 6205	189	178.0883 9438
165	131.8392 4789	190	180.0717 7270
166	133.6933 1566	191	182.0576 0065
167	135.5553 5461	192	184.0456 3501
168	137.4251 5206	193	186.0356 3199
169	139.3024 9340	194	188.0273 4733
170	141.1871 6215	195	190.0205 3632
171	143.0789 4004	196	192.0149 5393
172	144.9776 0704	197	194.0103 5478
173	146.8829 4140	198	196.0064 9329
174	148.7947 1976	199	198.0031 2366
175	150.7127 1714	200	200.0000 0000

$$e = 6^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.7457 3716
1	0.0044 7898	26	0.8289 8785
2	0.0092 0358	27	0.9184 4911
3	0.0144 1939	28	1.0143 4561
4	0.0203 7184	29	1.1169 0040
5	0.0273 0620	30	1.2263 3494
6	0.0354 6751	31	1.3428 6895
7	0.0451 0047	32	1.4667 2041
8	0.0564 4945	33	1.5981 0550
9	0.0697 5838	34	1.7372 3854
10	0.0852 7072	35	1.8843 3193
11	0.1032 2937	36	2.0395 9612
12	0.1238 7663	37	2.2032 3953
13	0.1474 5415	38	2.3754 6852
14	0.1742 0284	39	2.5564 8733
15	0.2043 6284	40	2.7464 9803
16	0.2381 7344	41	2.9457 0048
17	0.2758 7304	42	3.1542 9225
18	0.3176 9906	43	3.3724 6862
19	0.3638 8793	44	3.6004 2249
20	0.4146 7498	45	3.8383 4436
21	0.4702 9442	46	4.0864 2224
22	0.5309 7925	47	4.3448 4168
23	0.5969 6124	48	4.6137 8563
24	0.6684 7085	49	4.8934 3449
25	0.7457 3716	50	5.1839 6598

$$e = 6^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.1839 6598	75	16.4450 2971
51	5.4855 5515	76	17.0712 8409
52	5.7983 7434	77	17.7120 7825
53	6.1225 9308	78	18.3675 0081
54	6.4583 7812	79	19.0376 3681
55	6.8058 9335	80	19.7225 6761
56	7.1652 9975	81	20.4223 7098
57	7.5367 5538	82	21.1371 2096
58	7.9204 1533	83	21.8668 8795
59	8.3164 3167	84	22.6117 3862
60	8.7249 5342	85	23.3717 3593
61	9.1461 2651	86	24.1469 3909
62	9.5800 9378	87	24.9374 0356
63	10.0269 9487	88	25.7431 8106
64	10.4869 6626	89	26.5643 1949
65	10.9601 4119	90	27.4008 6299
66	11.4466 4965	91	28.2528 5189
67	11.9466 1833	92	29.1203 2271
68	12.4601 7061	93	30.0033 0815
69	12.9874 2651	94	30.9018 3708
70	13.5285 0267	95	31.8159 3454
71	14.0835 1233	96	32.7456 2173
72	14.6525 6529	97	33.6909 1598
73	15.2357 6786	98	34.6518 3080
74	15.8332 2290	99	35.6283 7584
75	16.4450 2971	100	36.6205 5687

$$e = 6^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	36.6205 5687	125	66.4450 2971
101	37.6283 7584	126	67.8332 2290
102	38.6518 3080	127	69.2357 6786
103	39.6909 1598	128	70.6525 6529
104	40.7456 2173	129	72.0835 1233
105	41.8159 3454	130	73.5285 0267
106	42.9018 3708	131	74.9874 2651
107	44.0033 0815	132	76.4601 7061
108	45.1203 2271	133	77.9466 1833
109	46.2528 5189	134	79.4466 4965
110	47.4008 6299	135	80.9601 4119
111	48.5643 1949	136	82.4869 6626
112	49.7431 8106	137	84.0269 9487
113	50.9374 0356	138	85.5800 9378
114	52.1469 3909	139	87.1461 2651
115	53.3717 3593	140	88.7249 5342
116	54.6117 3862	141	90.3164 3167
117	55.8668 8795	142	91.9204 1533
118	57.1371 2096	143	93.5367 5538
119	58.4223 7098	144	95.1652 9975
120	59.7225 6761	145	96.8058 9335
121	61.0376 3681	146	98.4583 7812
122	62.3675 0081	147	100.1225 9308
123	63.7120 7825	148	101.7983 7434
124	65.0712 8409	149	103.4855 5515
125	66.4450 2971	150	105.1839 6598

$e = 6^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	105.1839 6598	175	150.7457 3716
151	106.8934 3449	176	152.6684 7085
152	108.6137 8563	177	154.5969 6124
153	110.3448 4168	178	156.5309 7925
154	112.0864 2224	179	158.4702 9442
155	113.8383 4436	180	160.4146 7498
156	115.6004 2249	181	162.3638 8793
157	117.3724 6862	182	164.3176 9906
158	119.1542 9225	183	166.2758 7304
159	120.9457 0048	184	168.2381 7344
160	122.7464 9803	185	170.2043 6284
161	124.5564 8733	186	172.1742 0284
162	126.3754 6852	187	174.1474 5415
163	128.2032 3953	188	176.1238 7663
164	130.0395 9612	189	178.1032 2937
165	131.8843 3193	190	180.0852 7072
166	133.7372 3854	191	182.0697 5838
167	135.5981 0550	192	184.0564 4945
168	137.4667 2041	193	186.0451 0047
169	139.3428 6895	194	188.0354 6751
170	141.2263 3494	195	190.0273 0620
171	143.1169 0040	196	192.0203 7184
172	145.0143 4561	197	194.0144 1939
173	146.9184 4911	198	196.0092 0358
174	148.8289 8785	199	198.0044 7898
175	150.7457 3716	200	200.0000 0000

$$e = 7^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.7847 4156
1	0.0060 7992	26	0.8694 6652
2	0.0124 0507	27	0.9603 9206
3	0.0192 2064	28	1.0577 4248
4	0.0267 7166	29	1.1617 4050
5	0.0353 0302	30	1.2726 0720
6	0.0450 5935	31	1.3905 6195
7	0.0562 8497	32	1.5158 2239
8	0.0692 2384	33	1.6486 0434
9	0.0841 1952	34	1.7891 2178
10	0.1012 1505	35	1.9375 8677
11	0.1207 5297	36	2.0942 0941
12	0.1429 7517	37	2.2591 9781
13	0.1681 2292	38	2.4327 5797
14	0.1964 3674	39	2.6150 9382
15	0.2281 5638	40	2.8064 0711
16	0.2635 2076	41	3.0068 9735
17	0.3027 6788	42	3.2167 6183
18	0.3461 3479	43	3.4361 9548
19	0.3938 5752	44	3.6653 9092
20	0.4461 7104	45	3.9045 3831
21	0.5033 0918	46	4.1538 2540
22	0.5655 0457	47	4.4134 3740
23	0.6329 8860	48	4.6835 5701
24	0.7059 9136	49	4.9643 6429
25	0.7847 4156	50	5.2560 3671

$$e = 7^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.2560 3671	75	16.5391 9466
51	5.5587 4903	76	17.1660 5008
52	5.8726 7330	77	17.8074 2189
53	6.1979 7880	78	18.4633 9859
54	6.5348 3200	79	19.1340 6505
55	6.8833 9652	80	19.8195 0253
56	7.2438 3309	81	20.5197 8866
57	7.6162 9951	82	21.2349 9737
58	8.0009 5062	83	21.9651 9893
59	8.3979 3825	84	22.7104 5992
60	8.8074 1118	85	23.4708 4319
61	9.2295 1512	86	24.2464 0785
62	9.6643 9265	87	25.0372 0929
63	10.1121 8321	88	25.8432 9912
64	10.5730 2304	89	26.6647 2519
65	11.0470 4519	90	27.5015 3155
66	11.5343 7941	91	28.3537 5848
67	12.0351 5222	92	29.2214 4242
68	12.5494 8677	93	30.1046 1604
69	13.0775 0291	94	31.0033 0815
70	13.6193 1709	95	31.9175 4376
71	14.1750 4237	96	32.8473 4401
72	14.7447 8834	97	33.7927 2624
73	15.3286 6119	98	34.7537 0392
74	15.9267 6357	99	35.7302 8667
75	16.5391 9466	100	36.7224 8028

$$e = 7^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	36.7224 8028	125	66.5391 9466
101	37.7302 8667	126	67.9267 6357
102	38.7537 0392	127	69.3286 6119
103	39.7927 2624	128	70.7447 8834
104	40.8473 4401	129	72.1750 4237
105	41.9175 4376	130	73.6193 1709
106	43.0033 0815	131	75.0775 0291
107	44.1046 1604	132	76.5494 8677
108	45.2214 4242	133	78.0351 5222
109	46.3537 5848	134	79.5343 7941
110	47.5015 3155	135	81.0470 4519
111	48.6647 2519	136	82.5730 2304
112	49.8432 9912	137	84.1121 8321
113	51.0372 0929	138	85.6643 9265
114	52.2464 0785	139	87.2295 1512
115	53.4708 4319	140	88.8074 1118
116	54.7104 5992	141	90.3979 3825
117	55.9651 9893	142	92.0009 5062
118	57.2349 9737	143	93.6162 9951
119	58.5197 8866	144	95.2438 3309
120	59.8195 0253	145	96.8833 9652
121	61.1340 6505	146	98.5348 3200
122	62.4633 9859	147	100.1979 7880
123	63.8074 2189	148	101.8726 7330
124	65.1660 5008	149	103.5587 4903
125	66.5391 9466	150	105.2560 3671

$$e = 7^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	105.2560 3671	175	150.7847 4156
151	106.9643 6429	176	152.7059 9136
152	108.6835 5701	177	154.6329 8860
153	110.4134 3740	178	156.5655 0457
154	112.1538 2540	179	158.5033 0918
155	113.9045 3831	180	160.4461 7104
156	115.6653 9092	181	162.3938 5752
157	117.4361 9548	182	164.3461 3479
158	119.2167 6183	183	166.3027 6788
159	121.0068 9735	184	168.2635 2076
160	122.8064 0711	185	170.2281 5638
161	124.6150 9382	186	172.1964 3674
162	126.4327 5797	187	174.1681 2292
163	128.2591 9781	188	176.1429 7517
164	130.0942 0941	189	178.1207 5297
165	131.9375 8677	190	180.1012 1505
166	133.7891 2178	191	182.0841 1952
167	135.6486 0434	192	184.0692 2384
168	137.5158 2239	193	186.0562 8497
169	139.3905 6195	194	188.0450 5935
170	141.2726 0720	195	190.0353 0302
171	143.1617 4050	196	192.0267 7166
172	145.0577 4248	197	194.0192 2064
173	146.9603 9206	198	196.0124 0507
174	148.8694 6652	199	198.0060 7992
175	150.7847 4156	200	200.0000 0000

$$e = 8^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.8297 2071
1	0.0079 2610	26	0.9161 4577
2	0.0160 9697	27	1.0087 5989
3	0.0247 5735	28	1.1077 8696
4	0.0341 5182	29	1.2134 4928
5	0.0445 2481	30	1.3259 6751
6	0.0561 2048	31	1.4455 6064
7	0.0691 8272	32	1.5724 4588
8	0.0839 5503	33	1.7068 3866
9	0.1006 8051	34	1.8489 5256
10	0.1196 0176	35	1.9989 9926
11	0.1409 6086	36	2.1571 8845
12	0.1649 9926	37	2.3237 2786
13	0.1919 5776	38	2.4988 2311
14	0.2220 7647	39	2.6826 7775
15	0.2555 9466	40	2.8754 9315
16	0.2927 5082	41	3.0774 6846
17	0.3337 8251	42	3.2888 0059
18	0.3789 2634	43	3.5096 8412
19	0.4284 1790	44	3.7403 1130
20	0.4824 9172	45	3.9808 7196
21	0.5413 8120	46	4.2315 5348
22	0.6053 1854	47	4.4925 4073
23	0.6745 3469	48	4.7640 1606
24	0.7492 5931	49	5.0461 5923
25	0.8297 2071	50	5.3391 4735

$$e = 8^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.3391 4735	75	16.6477 8394
51	5.6431 5486	76	17.2753 3246
52	5.9583 5350	77	17.9173 7042
53	6.2849 1222	78	18.5739 8613
54	6.6229 9720	79	19.2452 6432
55	6.9727 7174	80	19.9312 8609
56	7.3343 9628	81	20.6321 2893
57	7.7080 2833	82	21.3478 6663
58	8.0938 2243	83	22.0785 6934
59	8.4919 3014	84	22.8243 0349
60	8.9024 9996	85	23.5851 3184
61	9.3256 7732	86	24.3611 1339
62	9.7616 0455	87	25.1523 0341
63	10.2104 2082	88	25.9587 5342
64	10.6722 6213	89	26.7805 1118
65	11.1472 6126	90	27.6176 2067
66	11.6355 4775	91	28.4701 2208
67	12.1372 4785	92	29.3380 5180
68	12.6524 8452	93	30.2214 4242
69	13.1813 7736	94	31.1203 2271
70	13.7240 4261	95	32.0347 1762
71	14.2805 9310	96	32.9646 4827
72	14.8511 3827	97	33.9101 3195
73	15.4357 8406	98	34.8711 8211
74	16.0346 3296	99	35.8478 0836
75	16.6477 8394	100	36.8400 1647

$$e = 8^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	36.8400 1647	125	66.6477 8394
101	37.8478 0836	126	68.0346 3296
102	38.8711 8211	127	69.4357 8406
103	39.9101 3195	128	70.8511 3827
104	40.9646 4827	129	72.2805 9310
105	42.0347 1762	130	73.7240 4261
106	43.1203 2271	131	75.1813 7736
107	44.2214 4242	132	76.6524 8452
108	45.3380 5180	133	78.1372 4785
109	46.4701 2208	134	79.6355 4775
110	47.6176 2067	135	81.1472 6126
111	48.7805 1118	136	82.6722 6213
112	49.9587 5342	137	84.2104 2082
113	51.1523 0341	138	85.7616 0455
114	52.3611 1339	139	87.3256 7732
115	53.5851 3184	140	88.9024 9996
116	54.8243 0349	141	90.4919 3014
117	56.0785 6934	142	92.0938 2243
118	57.3478 6663	143	93.7080 2833
119	58.6321 2893	144	95.3343 9628
120	59.9312 8609	145	96.9727 7174
121	61.2452 6432	146	98.6229 9720
122	62.5739 8613	147	100.2849 1222
123	63.9173 7042	148	101.9583 5350
124	65.2753 3246	149	103.6431 5486
125	66.6477 8394	150	105.3391 4735

$e = 8^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	105.3391 4735	175	150.8297 2071
151	107.0461 5923	176	152.7492 5931
152	108.7640 1606	177	154.6745 3469
153	110.4925 4073	178	156.6053 1854
154	112.2315 5348	179	158.5413 8120
155	113.9808 7196	180	160.4824 9172
156	115.7403 1130	181	162.4284 1790
157	117.5096 8412	182	164.3789 2634
158	119.2888 0059	183	166.3337 8251
159	121.0774 6846	184	168.2927 5082
160	122.8754 9315	185	170.2555 9466
161	124.6826 7775	186	172.2220 7647
162	126.4988 2311	187	174.1919 5776
163	128.3237 2786	188	176.1649 9926
164	130.1571 8845	189	178.1409 6086
165	131.9989 9926	190	180.1196 0176
166	133.8489 5256	191	182.1006 8051
167	135.7068 3866	192	184.0839 5503
168	137.5724 4588	193	186.0691 8272
169	139.4455 6064	194	188.0561 2048
170	141.3259 6751	195	190.0445 2481
171	143.2134 4928	196	192.0341 5182
172	145.1077 8696	197	194.0247 5735
173	147.0087 5989	198	196.0160 9697
174	148.9161 4577	199	198.0079 2610
175	150.8297 2071	200	200.0000 0000

$$e = 9^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.8806 6352
1	0.0100 1705	26	0.9690 1408
2	0.0202 7837	27	1.0635 4067
3	0.0310 2816	28	1.1644 6668
4	0.0425 1049	29	1.2720 1397
5	0.0549 6928	30	1.3864 0271
6	0.0686 4818	31	1.5078 5144
7	0.0837 9055	32	1.6365 7691
8	0.1006 3939	33	1.7727 9410
9	0.1194 3728	34	1.9167 1614
10	0.1404 2632	35	2.0685 5425
11	0.1638 4805	36	2.2285 1770
12	0.1899 4345	37	2.3968 1376
13	0.2189 5280	38	2.5736 4763
14	0.2511 1569	39	2.7592 2243
15	0.2866 7090	40	2.9537 3910
16	0.3258 5641	41	3.1573 9638
17	0.3689 0928	42	3.3703 9075
18	0.4160 6562	43	3.5929 1641
19	0.4675 6054	44	3.8251 6517
20	0.5236 2806	45	4.0673 2647
21	0.5845 0108	46	4.3195 8729
22	0.6504 1132	47	4.5821 3214
23	0.7215 8925	48	4.8551 4295
24	0.7982 6404	49	5.1387 9912
25	0.8806 6352	50	5.4332 7738

$$e = 9^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.4332 7738	75	16.7707 7076
51	5.7387 5181	76	17.3991 0428
52	6.0553 9378	77	18.0418 9670
53	6.3833 7189	78	18.6992 3615
54	6.7228 5196	79	19.3712 0717
55	7.0739 9695	80	20.0578 9071
56	7.4369 6698	81	20.7593 6406
57	7.8119 1920	82	21.4757 0089
58	8.1990 0784	83	22.2069 7119
59	8.5983 8414	84	22.9532 4126
60	9.0101 9628	85	23.7145 7370
61	9.4345 8939	86	24.4910 2740
62	9.8717 0549	87	25.2826 5752
63	10.3216 8347	88	26.0895 1547
64	10.7846 5904	89	26.9116 4891
65	11.2607 6469	90	27.7491 0172
66	11.7501 2970	91	28.6019 1400
67	12.2528 8005	92	29.4701 2208
68	12.7691 3844	93	30.3537 5848
69	13.2990 2421	94	31.2528 5189
70	13.8426 5337	95	32.1674 2722
71	14.4001 3851	96	33.0975 0556
72	14.9715 8882	97	34.0431 0414
73	15.5571 1003	98	35.0042 3639
74	16.1568 0442	99	35.9809 1191
75	16.7707 7076	100	36.9731 3644

$e = 9^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	36.9731 3644	125	66.7707 7076
101	37.9809 1191	126	68.1568 0442
102	39.0042 3639	127	69.5571 1003
103	40.0431 0414	128	70.9715 8882
104	41.0975 0556	129	72.4001 3851
105	42.1674 2722	130	73.8426 5337
106	43.2528 5189	131	75.2990 2421
107	44.3537 5848	132	76.7691 3844
108	45.4701 2208	133	78.2528 8005
109	46.6019 1400	134	79.7501 2970
110	47.7491 0172	135	81.2607 6469
111	48.9116 4891	136	82.7846 5904
112	50.0895 1547	137	84.3216 8347
113	51.2826 5752	138	85.8717 0549
114	52.4910 2740	139	87.4345 8939
115	53.7145 7370	140	89.0101 9628
116	54.9532 4126	141	90.5983 8414
117	56.2069 7119	142	92.1990 0784
118	57.4757 0089	143	93.8119 1920
119	58.7593 6406	144	95.4369 6698
120	60.0578 9071	145	97.0739 9695
121	61.3712 0717	146	98.7228 5196
122	62.6992 3615	147	100.3833 7189
123	64.0418 9670	148	102.0553 9378
124	65.3991 0428	149	103.7387 5181
125	66.7707 7076	150	105.4332 7738

$e = 9^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	105.4332 7738	175	150.8806 6352
151	107.1387 9912	176	152.7982 6404
152	108.8551 4295	177	154.7215 8925
153	110.5821 3214	178	156.6504 1132
154	112.3195 8729	179	158.5845 0108
155	114.0673 2647	180	160.5236 2806
156	115.8251 6517	181	162.4675 6054
157	117.5929 1641	182	164.4160 6562
158	119.3703 9075	183	166.3689 0928
159	121.1573 9638	184	168.3258 5641
160	122.9537 3910	185	170.2866 7090
161	124.7592 2243	186	172.2511 1569
162	126.5736 4763	187	174.2189 5280
163	128.3968 1376	188	176.1899 4345
164	130.2285 1770	189	178.1638 4805
165	132.0685 5425	190	180.1404 2632
166	133.9167 1614	191	182.1194 3728
167	135.7727 9410	192	184.1006 3939
168	137.6365 7691	193	186.0837 9055
169	139.5078 5144	194	188.0686 4818
170	141.3864 0271	195	190.0549 6928
171	143.2720 1397	196	192.0425 1049
172	145.1644 6668	197	194.0310 2816
173	147.0635 4067	198	196.0202 7837
174	148.9690 1408	199	198.0100 1705
175	150.8806 6352	200	200.0000 0000

$$e = 10^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	0.9375 5741
1	0.0123 5228	26	1.0280 5842
2	0.0249 4824	27	1.1247 2088
3	0.0380 3152	28	1.2277 6768
4	0.0518 4562	29	1.3374 2012
5	0.0666 3386	30	1.4538 9789
6	0.0826 3934	31	1.5774 1899
7	0.1001 0485	32	1.7081 9967
8	0.1192 7279	33	1.8464 5439
9	0.1403 8519	34	1.9923 9579
10	0.1636 8357	35	2.1462 3459
11	0.1894 0891	36	2.3081 7956
12	0.2178 0160	37	2.4784 3748
13	0.2491 0137	38	2.6572 1308
14	0.2835 4724	39	2.8447 0898
15	0.3213 7744	40	3.0411 2567
16	0.3628 2936	41	3.2466 6140
17	0.4081 3953	42	3.4615 1220
18	0.4575 4349	43	3.6858 7180
19	0.5112 7578	44	3.9199 3157
20	0.5695 6989	45	4.1638 8050
21	0.6326 5817	46	4.4179 0513
22	0.7007 7179	47	4.6821 8952
23	0.7741 4067	48	4.9569 1519
24	0.8529 9345	49	5.2422 6110
25	0.9375 5741	50	5.5384 0358

$$e = 10^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.5384 0358	75	16.9081 2476
51	5.8455 1630	76	17.5373 3499
52	6.1637 7020	77	18.1809 7001
53	6.4933 3352	78	18.8391 1774
54	6.8343 7165	79	19.5118 6254
55	7.1870 4720	80	20.1992 8514
56	7.5515 1988	81	20.9014 6268
57	7.9279 4649	82	21.6184 6863
58	8.3164 8090	83	22.3503 7281
59	8.7172 7398	84	23.0972 4139
60	9.1304 7357	85	23.8591 3681
61	9.5562 2445	86	24.6361 1783
62	9.9946 6831	87	25.4282 3946
63	10.4459 4371	88	26.2355 5301
64	10.9101 8604	89	27.0581 0600
65	11.3875 2748	90	27.8959 4224
66	11.8780 9700	91	28.7491 0172
67	12.3820 2029	92	29.6176 2067
68	12.8994 1975	93	30.5015 3155
69	13.4304 1445	94	31.4008 6299
70	13.9751 2011	95	32.3156 3983
71	14.5336 4908	96	33.2458 8309
72	15.1061 1027	97	34.1916 1000
73	15.6926 0918	98	35.1528 3394
74	16.2932 4784	99	36.1295 6447
75	16.9081 2476	100	37.1218 0734

$$e = 10^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	37.1218 0734	125	66.9081 2476
101	38.1295 6447	126	68.2932 4784
102	39.1528 3394	127	69.6926 0918
103	40.1916 1000	128	71.1061 1027
104	41.2458 8309	129	72.5336 4908
105	42.3156 3983	130	73.9751 2011
106	43.4008 6299	131	75.4304 1445
107	44.5015 3155	132	76.8994 1975
108	45.6176 2067	133	78.3820 2029
109	46.7491 0172	134	79.8780 9700
110	47.8959 4224	135	81.3875 2748
111	49.0581 0600	136	82.9101 8604
112	50.2355 5301	137	84.4459 4371
113	51.4282 3946	138	85.9946 6831
114	52.6361 1783	139	87.5562 2445
115	53.8591 3681	140	89.1304 7357
116	55.0972 4139	141	90.7172 7398
117	56.3503 7281	142	92.3164 8090
118	57.6184 6863	143	93.9279 4649
119	58.9014 6268	144	95.5515 1988
120	60.1992 8514	145	97.1870 4720
121	61.5118 6254	146	98.8343 7165
122	62.8391 1774	147	100.4933 3352
123	64.1809 7001	148	102.1637 7020
124	65.5373 3499	149	103.8455 1630
125	66.9081 2476	150	105.5384 0358

$$e = 10^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	105.5384 0358	175	150.9375 5741
151	107.2422 6110	176	152.8529 9345
152	108.9569 1519	177	154.7741 4067
153	110.6821 8952	178	156.7007 7179
154	112.4179 0513	179	158.6326 5817
155	114.1638 8050	180	160.5695 6989
156	115.9199 3157	181	162.5112 7578
157	117.6858 7180	182	164.4575 4349
158	119.4615 1220	183	166.4081 3953
159	121.2466 6140	184	168.3628 2936
160	123.0411 2567	185	170.3213 7744
161	124.8447 0898	186	172.2835 4724
162	126.6572 1308	187	174.2491 0137
163	128.4784 3748	188	176.2178 0160
164	130.3081 7956	189	178.1894 0891
165	132.1462 3459	190	180.1636 8357
166	133.9923 9579	191	182.1403 8519
167	135.8464 5439	192	184.1192 7279
168	137.7081 9967	193	186.1001 0485
169	139.5774 1899	194	188.0826 3934
170	141.4538 9789	195	190.0666 3386
171	143.3374 2012	196	192.0518 4562
172	145.2277 6768	197	194.0380 3152
173	147.1247 2088	198	196.0249 4824
174	149.0280 5842	199	198.0123 5228
175	150.9375 5741	200	200.0000 0000

$e = 11^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.0003 8835
1	0.0149 3118	26	1.0932 6421
2	0.0301 0542	27	1.1922 8543
3	0.0457 6570	28	1.2976 7432
4	0.0621 5489	29	1.4096 5160
5	0.0795 1568	30	1.5284 3640
6	0.0980 9053	31	1.6542 4612
7	0.1181 2159	32	1.7872 9647
8	0.1398 5065	33	1.9278 0135
9	0.1635 1908	34	2.0759 7284
10	0.1893 6779	35	2.2320 2110
11	0.2176 3712	36	2.3961 5436
12	0.2485 6683	37	2.5685 7888
13	0.2823 9604	38	2.7494 9883
14	0.3193 6312	39	2.9391 1631
15	0.3597 0570	40	3.1376 3128
16	0.4036 6055	41	3.3452 4149
17	0.4514 6357	42	3.5621 4244
18	0.5033 4968	43	3.7885 2736
19	0.5595 5284	44	4.0245 8713
20	0.6203 0590	45	4.2705 1023
21	0.6858 4061	46	4.5264 8272
22	0.7563 8753	47	4.7926 8818
23	0.8321 7600	48	5.0693 0767
24	0.9134 3404	49	5.3565 1966
25	1.0003 8835	50	5.6545 0002

$$e = 11^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.6545 0002	75	17.0598 1207
51	5.9634 2198	76	17.6899 9049
52	6.2834 5603	77	18.3345 5604
53	6.6147 6996	78	18.9935 9640
54	6.9575 2876	79	19.6671 9571
55	7.3118 9457	80	20.3554 3451
56	7.6780 2672	81	21.0583 8970
57	8.0560 8158	82	21.7761 3460
58	8.4462 1263	83	22.5087 3883
59	8.8485 7033	84	23.2562 6837
60	9.2633 0215	85	24.0187 8552
61	9.6905 5249	86	24.7963 4887
62	10.1304 6266	87	25.5890 1331
63	10.5831 7087	88	26.3968 2999
64	11.0488 1215	89	27.2198 4633
65	11.5275 1834	90	28.0581 0600
66	12.0194 1807	91	28.9116 4891
67	12.5246 3669	92	29.7805 1118
68	13.0432 9630	93	30.6647 2519
69	13.5755 1565	94	31.5643 1949
70	14.1214 1016	95	32.4793 1886
71	14.6810 9188	96	33.4097 4427
72	15.2546 6945	97	34.3556 1289
73	15.8422 4808	98	35.3169 3808
74	16.4439 2952	99	36.2937 2937
75	17.0598 1207	100	37.2859 9250

$e = 11^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	37.2859 9250	125	67.0598 1207
101	38.2937 2937	126	68.4439 2952
102	39.3169 3808	127	69.8422 4808
103	40.3556 1289	128	71.2546 6945
104	41.4097 4427	129	72.6810 9188
105	42.4793 1886	130	74.1214 1016
106	43.5643 1949	131	75.5755 1565
107	44.6647 2519	132	77.0432 9630
108	45.7805 1118	133	78.5246 3669
109	46.9116 4891	134	80.0194 1807
110	48.0581 0600	135	81.5275 1834
111	49.2198 4633	136	83.0488 1215
112	50.3968 2999	137	84.5831 7087
113	51.5890 1331	138	86.1304 6266
114	52.7963 4887	139	87.6905 5249
115	54.0187 8552	140	89.2633 0215
116	55.2562 6837	141	90.8485 7033
117	56.5087 3883	142	92.4462 1263
118	57.7761 3460	143	94.0560 8158
119	59.0583 8970	144	95.6780 2672
120	60.3554 3451	145	97.3118 9457
121	61.6671 9571	146	98.9575 2876
122	62.9935 9640	147	100.6147 6996
123	64.3345 5604	148	102.2834 5603
124	65.6899 9049	149	103.9634 2198
125	67.0598 1207	150	105.6545 0002

$e = 11^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	105.6545 0002	175	151.0003 8835
151	107.3565 1966	176	152.9134 3404
152	109.0693 0767	177	154.8321 7600
153	110.7926 8818	178	156.7563 8753
154	112.5264 8272	179	158.6858 4061
155	114.2705 1023	180	160.6203 0590
156	116.0245 8713	181	162.5595 5284
157	117.7885 2736	182	164.5033 4968
158	119.5621 4244	183	166.4514 6357
159	121.3452 4149	184	168.4036 6055
160	123.1376 3128	185	170.3597 0570
161	124.9391 1631	186	172.3193 6312
162	126.7494 9883	187	174.2823 9604
163	128.5685 7888	188	176.2485 6683
164	130.3961 5436	189	178.2176 3712
165	132.2320 2110	190	180.1893 6779
166	134.0759 7284	191	182.1635 1908
167	135.9278 0135	192	184.1398 5065
168	137.7872 9647	193	186.1181 2159
169	139.6542 4612	194	188.0980 9053
170	141.5284 3640	195	190.0795 1568
171	143.4096 5160	196	192.0621 5489
172	145.2976 7432	197	194.0457 6570
173	147.1922 8543	198	196.0301 0542
174	149.0932 6421	199	198.0149 3118
175	151.0003 8835	200	200.0000 0000

$$e = 12^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.0691 4084
1	0.0177 5314	26	1.1646 1536
2	0.0357 4864	27	1.2662 1765
3	0.0542 2879	28	1.3741 6936
4	0.0734 3576	29	1.4886 9059
5	0.0936 1156	30	1.6099 9983
6	0.1149 9793	31	1.7383 1388
7	0.1378 3634	32	1.8738 4781
8	0.1623 6788	33	2.0168 1491
9	0.1888 3324	34	2.1674 2666
10	0.2174 7263	35	2.3258 9261
11	0.2485 2571	36	2.4924 2042
12	0.2822 3155	37	2.6672 1571
13	0.3188 2858	38	2.8504 8211
14	0.3585 5450	39	3.0424 2112
15	0.4016 4624	40	3.2432 3213
16	0.4483 3990	41	3.4531 1233
17	0.4988 7071	42	3.6722 5665
18	0.5534 7292	43	3.9008 5777
19	0.6123 7980	44	4.1391 0602
20	0.6758 2355	45	4.3871 8935
21	0.7440 3525	46	4.6452 9328
22	0.8172 4481	47	4.9136 0087
23	0.8956 8090	48	5.1922 9265
24	0.9795 7090	49	5.4815 4659
25	1.0691 4084	50	5.7815 3805

$$e = 12^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	5.7815 3805	75	17.2257 9525
51	6.0924 3976	76	17.8570 3312
52	6.4144 2174	77	18.5026 1688
53	6.7476 5127	78	19.1626 3401
54	7.0922 9289	79	19.8371 6837
55	7.4485 0827	80	20.5263 0028
56	7.8164 5628	81	21.2301 0643
57	8.1962 9285	82	21.9486 5991
58	8.5881 7101	83	22.6820 3015
59	8.9922 4080	84	23.4302 8296
60	9.4086 4925	85	24.1934 8043
61	9.8375 4037	86	24.9716 8101
62	10.2790 5505	87	25.7649 3941
63	10.7333 3111	88	26.5733 0664
64	11.2005 0318	89	27.3968 2999
65	11.6807 0274	90	28.2355 5301
66	12.1740 5803	91	29.0895 1547
67	12.6806 9407	92	29.9587 5342
68	13.2007 3259	93	30.8432 9912
69	13.7342 9201	94	31.7431 8106
70	14.2814 8742	95	32.6584 2393
71	14.8424 3053	96	33.5890 4866
72	15.4172 2968	97	34.5350 7235
73	16.0059 8979	98	35.4965 0833
74	16.6088 1231	99	36.4733 6611
75	17.2257 9525	100	37.4656 5140

$e = 12^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	37.4656 5140	125	67.2257 9525
101	38.4733 6611	126	68.6088 1231
102	39.4965 0833	127	70.0059 8979
103	40.5350 7235	128	71.4172 2968
104	41.5890 4866	129	72.8424 3053
105	42.6584 2393	130	74.2814 8742
106	43.7431 8106	131	75.7342 9201
107	44.8432 9912	132	77.2007 3259
108	45.9587 5342	133	78.6806 9407
109	47.0895 1547	134	80.1740 5803
110	48.2355 5301	135	81.6807 0274
111	49.3968 2999	136	83.2005 0318
112	50.5733 0664	137	84.7333 3111
113	51.7649 3941	138	86.2790 5505
114	52.9716 8101	139	87.8375 4037
115	54.1934 8043	140	89.4086 4925
116	55.4302 8296	141	90.9922 4080
117	56.6820 3015	142	92.5881 7101
118	57.9486 5991	143	94.1962 9285
119	59.2301 0643	144	95.8164 5628
120	60.5263 0028	145	97.4485 0827
121	61.8371 6837	146	99.0922 9289
122	63.1626 3401	147	100.7476 5127
123	64.5026 1688	148	102.4144 2174
124	65.8570 3312	149	104.0924 3976
125	67.2257 9525	150	105.7815 3805

$e = 12^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	105.7815 3805	175	151.0691 4084
151	107.4815 4659	176	152.9795 7090
152	109.1922 9265	177	154.8956 8090
153	110.9136 0087	178	156.8172 4481
154	112.6452 9328	179	158.7440 3525
155	114.3871 8935	180	160.6758 2355
156	116.1391 0602	181	162.6123 7980
157	117.9008 5777	182	164.5534 7292
158	119.6722 5665	183	166.4988 7071
159	121.4531 1233	184	168.4483 3990
160	123.2432 3213	185	170.4016 4624
161	125.0424 2112	186	172.3585 5450
162	126.8504 8211	187	174.3188 2858
163	128.6672 1571	188	176.2822 3155
164	130.4924 2042	189	178.2485 2571
165	132.3258 9261	190	180.2174 7263
166	134.1674 2666	191	182.1888 3324
167	136.0168 1491	192	184.1623 6788
168	137.8738 4781	193	186.1378 3634
169	139.7383 1388	194	188.1149 9793
170	141.6099 9983	195	190.0936 1156
171	143.4886 9059	196	192.0734 3576
172	145.3741 6936	197	194.0542 2879
173	147.2662 1765	198	196.0357 4864
174	149.1646 1536	199	198.0177 5314
175	151.0691 4084	200	200.0000 0000

$e = 13^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.1437 9791
1	0.0208 1746	26	1.2420 9428
2	0.0418 7651	27	1.3464 9929
3	0.0634 1871	28	1.4572 3392
4	0.0856 8546	29	1.5745 1758
5	0.1089 1801	30	1.6985 6807
6	0.1333 5736	31	1.8296 0152
7	0.1592 4422	32	1.9678 3232
8	0.1868 1893	33	2.1134 7311
9	0.2163 2143	34	2.2667 3469
10	0.2479 9117	35	2.4278 2598
11	0.2820 6707	36	2.5969 5396
12	0.3187 8746	37	2.7743 2365
13	0.3583 9001	38	2.9601 3801
14	0.4011 1170	39	3.1545 9793
15	0.4471 8870	40	3.3579 0217
16	0.4968 5640	41	3.5702 4730
17	0.5503 4926	42	3.7918 2766
18	0.6079 0082	43	4.0228 3531
19	0.6697 4363	44	4.2634 5999
20	0.7361 0916	45	4.5138 8908
21	0.8072 2776	46	4.7743 0750
22	0.8833 2862	47	5.0448 9775
23	0.9646 3971	48	5.3258 3979
24	1.0513 8769	49	5.6173 1104
25	1.1437 9791	50	5.9194 8632

$e = 13^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	5.9194 8632	75	17.4060 3336
51	6.2325 3781	76	18.0384 2164
52	6.5566 3500	77	18.6851 1109
53	6.8919 4466	78	19.3461 8885
54	7.2386 3079	79	20.0217 3857
55	7.5968 5459	80	20.7118 4029
56	7.9667 7441	81	21.4165 7048
57	8.3485 4571	82	22.1360 0198
58	8.7423 2102	83	22.8702 0404
59	9.1482 4993	84	23.6192 4222
60	9.5664 7902	85	24.3831 7844
61	9.9971 5182	86	25.1620 7097
62	10.4404 0881	87	25.9559 7434
63	10.8963 8736	88	26.7649 3941
64	11.3652 2169	89	27.5890 1331
65	11.8470 4287	90	28.4282 3946
66	12.3419 7875	91	29.2826 5752
67	12.8501 5393	92	30.1523 0341
68	13.3716 8979	93	31.0372 0929
69	13.9067 0436	94	31.9374 0356
70	14.4553 1238	95	32.8529 1086
71	15.0176 2522	96	33.7837 5201
72	15.5937 5087	97	34.7299 4409
73	16.1837 9392	98	35.6915 0038
74	16.7878 5552	99	36.6684 3036
75	17.4060 3336	100	37.6607 3972

$e = 13^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	37.6607 3972	125	67.4060 3336
101	38.6684 3036	126	68.7878 5552
102	39.6915 0038	127	70.1837 9392
103	40.7299 4409	128	71.5937 5087
104	41.7837 5201	129	73.0176 2522
105	42.8529 1086	130	74.4553 1238
106	43.9374 0356	131	75.9067 0436
107	45.0372 0929	132	77.3716 8979
108	46.1523 0341	133	78.8501 5393
109	47.2826 5752	134	80.3419 7875
110	48.4282 3946	135	81.8470 4287
111	49.5890 1331	136	83.3652 2169
112	50.7649 3941	137	84.8963 8736
113	51.9559 7434	138	86.4404 0881
114	53.1620 7097	139	87.9971 5182
115	54.3831 7844	140	89.5664 7902
116	55.6192 4222	141	91.1482 4993
117	56.8702 0404	142	92.7423 2102
118	58.1360 0198	143	94.3485 4571
119	59.4165 7048	144	95.9667 7441
120	60.7118 4029	145	97.5968 5459
121	62.0217 3857	146	99.2386 3079
122	63.3461 8885	147	100.8919 4466
123	64.6851 1109	148	102.5566 3500
124	66.0384 2164	149	104.2325 3781
125	67.4060 3336	150	105.9194 8632

$e = 13^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	105.9194 8632	175	151.1437 9791
151	107.6173 1104	176	153.0513 8769
152	109.3258 3979	177	154.9646 3971
153	111.0448 9775	178	156.8833 2862
154	112.7743 0750	179	158.8072 2776
155	114.5138 8908	180	160.7361 0916
156	116.2634 5999	181	162.6697 4363
157	118.0228 3531	182	164.6079 0082
158	119.7918 2766	183	166.5503 4926
159	121.5702 4730	184	168.4968 5640
160	123.3579 0217	185	170.4471 8870
161	125.1545 9793	186	172.4011 1170
162	126.9601 3801	187	174.3583 9001
163	128.7743 2365	188	176.3187 8746
164	130.5969 5396	189	178.2820 6707
165	132.4278 2598	190	180.2479 9117
166	134.2667 3469	191	182.2163 2143
167	136.1134 7311	192	184.1868 1893
168	137.9678 3232	193	186.1592 4422
169	139.8296 0152	194	188.1333 5736
170	141.6985 6807	195	190.1089 1801
171	143.5745 1758	196	192.0856 8546
172	145.4572 3392	197	194.0634 1871
173	147.3464 9929	198	196.0418 7651
174	149.2420 9428	199	198.0208 1746
175	151.1437 9791	200	200.0000 0000

$e = 14^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.2243 4113
1	0.0241 2337	26	1.3256 8183
2	0.0484 8752	27	1.4331 1055
3	0.0733 3318	28	1.5468 4752
4	0.0989 0096	29	1.6671 1140
5	0.1254 3126	30	1.7941 1927
6	0.1531 6430	31	1.9280 8652
7	0.1823 3996	32	2.0692 2682
8	0.2131 9777	33	2.2177 5210
9	0.2459 7685	34	2.3738 7243
10	0.2809 1587	35	2.5377 9604
11	0.3182 5292	36	2.7097 2921
12	0.3582 2553	37	2.8898 7626
13	0.4010 7057	38	3.0784 3947
14	0.4470 2422	39	3.2756 1905
15	0.4963 2185	40	3.4816 1309
16	0.5491 9806	41	3.6966 1750
17	0.6058 8651	42	3.9208 2596
18	0.6666 1997	43	4.1544 2988
19	0.7316 3018	44	4.3976 1836
20	0.8011 4784	45	4.6505 7815
21	0.8754 0253	46	4.9134 9354
22	0.9546 2266	47	5.1865 4642
23	1.0390 3542	48	5.4699 1614
24	1.1288 6672	49	5.7637 7953
25	1.2243 4113	50	6.0683 1080

$$e = 14^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	6.0683 1080	75	17.6004 8191
51	6.3836 8156	76	18.2341 1133
52	6.7100 6073	77	18.8819 9361
53	7.0476 1452	78	19.5442 1565
54	7.3965 0637	79	20.2208 6077
55	7.7568 9693	80	20.9120 0877
56	8.1289 4402	81	21.6177 3585
57	8.5128 0258	82	22.3381 1461
58	8.9086 2463	83	23.0732 1405
59	9.3165 5924	84	23.8230 9952
60	9.7367 5250	85	24.5878 3275
61	10.1693 4746	86	25.3674 7177
62	10.6144 8412	87	26.1620 7097
63	11.0722 9939	88	26.9716 8101
64	11.5429 2705	89	27.7963 4887
65	12.0264 9770	90	28.6361 1783
66	12.5231 3877	91	29.4910 2740
67	13.0329 7446	92	30.3611 1339
68	13.5561 2570	93	31.2464 0785
69	14.0927 1015	94	32.1469 3909
70	14.6428 4216	95	33.0627 3164
71	15.2066 3272	96	33.9938 0629
72	15.7841 8945	97	34.9401 8004
73	16.3756 1660	98	35.9018 6612
74	16.9810 1496	99	36.8788 7399
75	17.6004 8191	100	37.8712 0932

$e = 14^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	37.8712 0932	125	67.6004 8191
101	38.8788 7399	126	68.9810 1496
102	39.9018 6612	127	70.3756 1660
103	40.9401 8004	128	71.7841 8945
104	41.9938 0629	129	73.2066 3272
105	43.0627 3164	130	74.6428 4216
106	44.1469 3909	131	76.0927 1015
107	45.2464 0785	132	77.5561 2570
108	46.3611 1339	133	79.0329 7446
109	47.4910 2740	134	80.5231 3877
110	48.6361 1783	135	82.0264 9770
111	49.7963 4887	136	83.5429 2705
112	50.9716 8101	137	85.0722 9939
113	52.1620 7097	138	86.6144 8412
114	53.3674 7177	139	88.1693 4746
115	54.5878 3275	140	89.7367 5250
116	55.8230 9952	141	91.3165 5924
117	57.0732 1405	142	92.9086 2463
118	58.3381 1461	143	94.5128 0258
119	59.6177 3585	144	96.1289 4402
120	60.9120 0877	145	97.7568 9693
121	62.2208 6077	146	99.3965 0637
122	63.5442 1565	147	101.0476 1452
123	64.8819 9361	148	102.7100 6073
124	66.2341 1133	149	104.3836 8156
125	67.6004 8191	150	106.0683 1080

$e = 14^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	106.0683 1080	175	151.2243 4113
151	107.7637 7953	176	153.1288 6672
152	109.4699 1614	177	155.0390 3542
153	111.1865 4642	178	156.9546 2266
154	112.9134 9354	179	158.8754 0253
155	114.6505 7815	180	160.8011 4784
156	116.3976 1836	181	162.7316 3018
157	118.1544 2988	182	164.6666 1997
158	119.9208 2596	183	166.6058 8651
159	121.6966 1750	184	168.5491 9806
160	123.4816 1309	185	170.4963 2185
161	125.2756 1905	186	172.4470 2422
162	127.0784 3947	187	174.4010 7057
163	128.8898 7626	188	176.3582 2553
164	130.7097 2921	189	178.3182 5292
165	132.5377 9604	190	180.2809 1587
166	134.3738 7243	191	182.2459 7685
167	136.2177 5210	192	184.2131 9777
168	138.0692 2682	193	186.1823 3996
169	139.9280 8652	194	188.1531 6430
170	141.7941 1927	195	190.1254 3126
171	143.6671 1140	196	192.0989 0096
172	145.5468 4752	197	194.0733 3318
173	147.4331 1055	198	196.0484 8752
174	149.3256 8183	199	198.0241 2337
175	151.2243 4113	200	200.0000 0000

$e = 15^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.3107 5065
1	0.0276 7007	26	1.4153 5741
2	0.0555 8004	27	1.5260 3006
3	0.0839 6977	28	1.6429 8803
4	0.1130 7899	29	1.7664 4920
5	0.1431 4725	30	1.8966 2985
6	0.1744 1386	31	2.0337 4457
7	0.2071 1785	32	2.1780 0629
8	0.2414 9788	33	2.3296 2614
9	0.2777 9220	34	2.4888 1345
10	0.3162 3860	35	2.6557 7567
11	0.3570 7433	36	2.8307 1834
12	0.4005 3603	37	3.0138 4503
13	0.4468 5973	38	3.2053 5730
14	0.4962 8073	39	3.4054 5463
15	0.5490 3357	40	3.6143 3438
16	0.6053 5197	41	3.8321 9175
17	0.6654 6877	42	4.0592 1972
18	0.7296 1587	43	4.2956 0901
19	0.7980 2418	44	4.5415 4803
20	0.8709 2355	45	4.7972 2283
21	0.9485 4274	46	5.0628 1706
22	1.0311 0932	47	5.3385 1194
23	1.1188 4967	48	5.6244 8616
24	1.2119 8886	49	5.9209 1590
25	1.3107 5065	50	6.2279 7477

$e = 15^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	6.2279 7477	75	17.8090 9293
51	6.5458 3372	76	18.4440 5388
52	6.8746 6108	77	19.0932 1589
53	7.2146 2244	78	19.7566 6553
54	7.5658 8065	79	20.4344 8585
55	7.9285 9579	80	21.1267 5633
56	8.3029 2510	81	21.8335 5290
57	8.6890 2294	82	22.5549 4791
58	9.0870 4080	83	23.2910 1009
59	9.4971 2719	84	24.0418 0458
60	9.9194 2768	85	24.8073 9285
61	10.3540 8480	86	25.5878 3275
62	10.8012 3804	87	26.3831 7844
63	11.2610 2381	88	27.1934 8043
64	11.7335 7540	89	28.0187 8552
65	12.2190 2295	90	28.8591 3681
66	12.7174 9341	91	29.7145 7370
67	13.2291 1054	92	30.5851 3184
68	13.7539 9483	93	31.4708 4319
69	14.2922 6350	94	32.3717 3593
70	14.8440 3049	95	33.2878 3453
71	15.4094 0640	96	34.2191 5968
72	15.9884 9845	97	35.1657 2832
73	16.5814 1050	98	36.1275 5365
74	17.1882 4299	99	37.1046 4508
75	17.8090 9293	100	38.0970 0826

$e = 15^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	38.0970 0826	125	67.8090 9293
101	39.1046 4508	126	69.1882 4299
102	40.1275 5365	127	70.5814 1050
103	41.1657 2832	128	71.9884 9845
104	42.2191 5968	129	73.4094 0640
105	43.2878 3453	130	74.8440 3049
106	44.3717 3593	131	76.2922 6350
107	45.4708 4319	132	77.7539 9483
108	46.5851 3184	133	79.2291 1054
109	47.7145 7370	134	80.7174 9341
110	48.8591 3681	135	82.2190 2295
111	50.0187 8552	136	83.7335 7540
112	51.1934 8043	137	85.2610 2381
113	52.3831 7844	138	86.8012 3804
114	53.5878 3275	139	88.3540 8480
115	54.8073 9285	140	89.9194 2768
116	56.0418 0458	141	91.4971 2719
117	57.2910 1009	142	93.0870 4080
118	58.5549 4791	143	94.6890 2294
119	59.8335 5290	144	96.3029 2510
120	61.1267 5633	145	97.9285 9579
121	62.4344 8585	146	99.5658 8065
122	63.7566 6553	147	101.2146 2244
123	65.0932 1589	148	102.8746 6108
124	66.4440 5388	149	104.5458 3372
125	67.8090 9293	150	106.2279 7477

$e = 15^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	106.2279 7477	175	151.3107 5065
151	107.9209 1590	176	153.2119 8886
152	109.6244 8616	177	155.1188 4967
153	111.3385 1194	178	157.0311 0932
154	113.0628 1706	179	158.9485 4274
155	114.7972 2283	180	160.8709 2355
156	116.5415 4803	181	162.7980 2418
157	118.2956 0901	182	164.7296 1587
158	120.0592 1972	183	166.6654 6877
159	121.8321 9175	184	168.6053 5197
160	123.6143 3438	185	170.5490 3357
161	125.4054 5463	186	172.4962 8073
162	127.2053 5730	187	174.4468 5973
163	129.0138 4503	188	176.4005 3603
164	130.8307 1834	189	178.3570 7433
165	132.6557 7567	190	180.3162 3860
166	134.4888 1345	191	182.2777 9220
167	136.3296 2614	192	184.2414 9788
168	138.1780 0629	193	186.2071 1785
169	140.0337 4457	194	188.1744 1386
170	141.8966 2985	195	190.1431 4725
171	143.7664 4920	196	192.1130 7899
172	145.6429 8803	197	194.0839 6977
173	147.5260 3006	198	196.0555 8004
174	149.4153 5741	199	198.0276 7007
175	151.3107 5065	200	200.0000 0000

$e = 16^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.4030 0513
1	0.0314 5667	26	1.5110 9887
2	0.0631 5231	27	1.6252 3489
3	0.0953 2584	28	1.7456 3175
4	0.1282 1606	29	1.8725 0647
5	0.1620 6158	30	2.0060 7451
6	0.1971 0079	31	2.1465 4962
7	0.2335 7178	32	2.2941 4389
8	0.2717 1228	33	2.4490 6764
9	0.3117 5963	34	2.6115 2938
10	0.3539 5066	35	2.7817 3574
11	0.3985 2172	36	2.9598 9149
12	0.4457 0853	37	3.1461 9938
13	0.4957 4619	38	3.3408 6020
14	0.5488 6908	39	3.5440 7263
15	0.6053 1085	40	3.7560 3329
16	0.6653 0428	41	3.9769 3661
17	0.7290 8133	42	4.2069 7481
18	0.7968 7297	43	4.4463 3787
19	0.8689 0924	44	4.6952 1348
20	0.9454 1908	45	4.9537 8695
21	1.0266 3035	46	5.2222 4122
22	1.1127 6975	47	5.5007 5680
23	1.2040 6276	48	5.7895 1170
24	1.3007 3359	49	6.0886 8140
25	1.4030 0513	50	6.3984 3882

$e = 16^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	6.3984 3882	75	18.0318 1496
51	6.7189 5428	76	18.6681 9749
52	7.0503 9543	77	19.3187 2580
53	7.3929 2722	78	19.9834 8609
54	7.7467 1187	79	20.6625 6109
55	8.1119 0882	80	21.3560 2998
56	8.4886 7472	81	22.0639 6839
57	8.8771 6332	82	22.7864 4839
58	9.2775 2551	83	23.5235 3844
59	9.6899 0924	84	24.2753 0342
60	10.1144 5950	85	25.0418 0458
61	10.5513 1827	86	25.8230 9952
62	11.0006 2449	87	26.6192 4222
63	11.4625 1405	88	27.4302 8296
64	11.9371 1972	89	28.2562 6837
65	12.4245 7112	90	29.0972 4139
66	12.9249 9472	91	29.9532 4126
67	13.4385 1378	92	30.8243 0349
68	13.9652 4834	93	31.7104 5992
69	14.5053 1516	94	32.6117 3862
70	15.0588 2774	95	33.5281 6396
71	15.6258 9622	96	34.4597 5656
72	16.2066 2744	97	35.4065 3328
73	16.8011 2484	98	36.3685 0728
74	17.4094 8847	99	37.3456 8792
75	18.0318 1496	100	38.3380 8084

$e = 16^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	38.3380 8084	125	68.0318 1496
101	39.3456 8792	126	69.4094 8847
102	40.3685 0728	127	70.8011 2484
103	41.4065 3328	128	72.2066 2744
104	42.4597 5656	129	73.6258 9622
105	43.5281 6396	130	75.0588 2774
106	44.6117 3862	131	76.5053 1516
107	45.7104 5992	132	77.9652 4834
108	46.8243 0349	133	79.4385 1378
109	47.9532 4126	134	80.9249 9472
110	49.0972 4139	135	82.4245 7112
111	50.2562 6837	136	83.9371 1972
112	51.4302 8296	137	85.4625 1405
113	52.6192 4222	138	87.0006 2449
114	53.8230 9952	139	88.5513 1827
115	55.0418 0458	140	90.1144 5950
116	56.2753 0342	141	91.6899 0924
117	57.5235 3844	142	93.2775 2551
118	58.7864 4839	143	94.8771 6332
119	60.0639 6839	144	96.4886 7472
120	61.3560 2998	145	98.1119 0882
121	62.6625 6109	146	99.7467 1187
122	63.9834 8609	147	101.3929 2722
123	65.3187 2580	148	103.0503 9543
124	66.6681 9749	149	104.7189 5428
125	68.0318 1496	150	106.3984 3882

$e = 16^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	106.3984 3882	175	151.4030 0513
151	108.0886 8140	176	153.3007 3359
152	109.7895 1170	177	155.2040 6276
153	111.5007 5680	178	157.1127 6975
154	113.2222 4122	179	159.0266 3035
155	114.9537 8695	180	160.9454 1908
156	116.6952 1348	181	162.8689 0924
157	118.4463 3787	182	164.7968 7297
158	120.2069 7481	183	166.7290 8133
159	121.9769 3661	184	168.6653 0428
160	123.7560 3329	185	170.6053 1085
161	125.5440 7263	186	172.5488 6908
162	127.3408 6020	187	174.4957 4619
163	129.1461 9938	188	176.4457 0853
164	130.9598 9149	189	178.3985 2172
165	132.7817 3574	190	180.3539 5066
166	134.6115 2938	191	182.3117 5963
167	136.4490 6764	192	184.2717 1228
168	138.2941 4389	193	186.2335 7178
169	140.1465 4962	194	188.1971 0079
170	142.0060 7451	195	190.1620 6158
171	143.8725 0647	196	192.1282 1606
172	145.7456 3175	197	194.0953 2584
173	147.6252 3489	198	196.0631 5231
174	149.5110 9887	199	198.0314 5667
175	151.4030 0513	200	200.0000 0000

$e = 17^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.5010 8182
1	0.0354 8225	26	1.6128 8261
2	0.0712 0247	27	1.7307 0056
3	0.1073 9860	28	1.8547 5333
4	0.1443 0844	29	1.9852 5705
5	0.1821 6961	30	2.1224 2625
6	0.2212 1950	31	2.2664 7383
7	0.2616 9523	32	2.4176 1097
8	0.3038 3353	33	2.5760 4713
9	0.3478 7074	34	2.7419 8994
10	0.3940 4274	35	2.9156 4520
11	0.4425 8487	36	3.0972 1679
12	0.4937 3187	37	3.2869 0665
13	0.5477 1788	38	3.4849 1471
14	0.6047 7630	39	3.6914 3885
15	0.6651 3980	40	3.9066 7486
16	0.7290 4020	41	4.1308 1635
17	0.7967 0849	42	4.3640 5476
18	0.8683 7469	43	4.6065 7927
19	0.9442 6787	44	4.8585 7679
20	1.0246 1603	45	5.1202 3187
21	1.1096 4608	46	5.3917 2668
22	1.1995 8378	47	5.6732 4098
23	1.2946 5367	48	5.9649 5204
24	1.3950 7903	49	6.2670 3462
25	1.5010 8182	50	6.5796 6091

$e = 17^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	6.5796 6091	75	18.2685 9303
51	6.9030 0053	76	18.9064 8688
52	7.2372 2042	77	19.5584 6770
53	7.5824 8486	78	20.2246 2135
54	7.9389 5539	79	20.9050 3022
55	8.3067 9079	80	21.5997 7315
56	8.6861 4704	81	22.3089 2547
57	9.0771 7728	82	23.0325 5892
58	9.4800 3176	83	23.7707 4172
59	9.8948 5781	84	24.5235 3844
60	10.3217 9982	85	25.2910 1009
61	10.7609 9919	86	26.0732 1405
62	11.2125 9428	87	26.8702 0404
63	11.6767 2040	88	27.6820 3015
64	12.1535 0977	89	28.5087 3883
65	12.6430 9148	90	29.3503 7281
66	13.1455 9148	91	30.2069 7119
67	13.6611 3252	92	31.0785 6934
68	14.1898 3412	93	31.9651 9893
69	14.7318 1258	94	32.8668 8795
70	15.2871 8089	95	33.7836 6065
71	15.8560 4878	96	34.7155 3757
72	16.4385 2261	97	35.6625 3551
73	17.0347 0541	98	36.6246 6756
74	17.6446 9681	99	37.6019 4304
75	18.2685 9303	100	38.5943 6758

$e = 17^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	38.5943 6758	125	68.2685 9303
101	39.6019 4304	126	69.6446 9681
102	40.6246 6756	127	71.0347 0541
103	41.6625 3551	128	72.4385 2261
104	42.7155 3757	129	73.8560 4878
105	43.7836 6065	130	75.2871 8089
106	44.8668 8795	131	76.7318 1258
107	45.9651 9893	132	78.1898 3412
108	47.0785 6934	133	79.6611 3252
109	48.2069 7119	134	81.1455 9148
110	49.3503 7281	135	82.6430 9148
111	50.5087 3883	136	84.1535 0977
112	51.6820 3015	137	85.6767 2040
113	52.8702 0404	138	87.2125 9428
114	54.0732 1405	139	88.7609 9919
115	55.2910 1009	140	90.3217 9982
116	56.5235 3844	141	91.8948 5781
117	57.7707 4172	142	93.4800 3176
118	59.0325 5892	143	95.0771 7728
119	60.3089 2547	144	96.6861 4704
120	61.5997 7315	145	98.3067 9079
121	62.9050 3022	146	99.9389 5539
122	64.2246 2135	147	101.5824 8486
123	65.5584 6770	148	103.2372 2042
124	66.9064 8688	149	104.9030 0053
125	68.2685 9303	150	106.5796 6091

$e = 17^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	106.5796 6091	175	151.5010 8182
151	108.2670 3462	176	153.3950 7903
152	109.9649 5204	177	155.2946 5367
153	111.6732 4098	178	157.1995 8378
154	113.3917 2668	179	159.1096 4608
155	115.1202 3187	180	161.0246 1603
156	116.8585 7679	181	162.9442 6787
157	118.6065 7927	182	164.8683 7469
158	120.3640 5476	183	166.7967 0849
159	122.1308 1635	184	168.7290 4020
160	123.9066 7486	185	170.6651 3980
161	125.6914 3885	186	172.6047 7630
162	127.4849 1471	187	174.5477 1788
163	129.2869 0665	188	176.4937 3187
164	131.0972 1679	189	178.4425 8487
165	132.9156 4520	190	180.3940 4274
166	134.7419 8994	191	182.3478 7074
167	136.5760 4713	192	184.3038 3353
168	138.4176 1097	193	186.2616 9523
169	140.2664 7383	194	188.2212 1950
170	142.1224 2625	195	190.1821 6961
171	143.9852 5705	196	192.1443 0844
172	145.8547 5333	197	194.1073 9860
173	147.7307 0056	198	196.0712 0247
174	149.6128 8261	199	198.0354 8225
175	151.5010 8182	200	200.0000 0000

$e = 18^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.6049 5652
1	0.0397 4580	26	1.7206 8351
2	0.0797 2854	27	1.8424 0106
3	0.1201 8507	28	1.9703 2587
4	0.1613 5215	29	2.1046 7311
5	0.2034 6636	30	2.2456 5637
6	0.2467 6405	31	2.3934 8760
7	0.2914 8125	32	2.5483 7706
8	0.3378 5369	33	2.7105 3327
9	0.3861 1665	34	2.8801 6295
10	0.4365 0495	35	3.0574 7098
11	0.4892 5290	36	3.2426 6036
12	0.5445 9422	37	3.4359 3212
13	0.6027 6199	38	3.6374 8531
14	0.6639 8860	39	3.8475 1693
15	0.7285 0566	40	4.0662 2191
16	0.7965 4400	41	4.2937 9301
17	0.8683 3357	42	4.5304 2081
18	0.9441 0339	43	4.7762 9368
19	1.0240 8149	44	5.0315 9767
20	1.1084 9488	45	5.2965 1653
21	1.1975 6947	46	5.5712 3163
22	1.2915 3001	47	5.8559 2192
23	1.3906 0006	48	6.1507 6391
24	1.4950 0190	49	6.4559 3156
25	1.6049 5652	50	6.7715 9632

$e = 18^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	6.7715 9632	75	18.5193 6873
51	7.0979 2705	76	19.1588 6323
52	7.4350 8996	77	19.8123 8243
53	7.7832 4859	78	20.4800 1183
54	8.1425 6378	79	21.1618 3342
55	8.5131 9360	80	21.8579 2571
56	8.8952 9335	81	22.5683 6368
57	9.2890 1548	82	23.2932 1879
58	9.6945 0958	83	24.0325 5892
59	10.1119 2234	84	24.7864 4839
60	10.5413 9750	85	25.5549 4791
61	10.9830 7583	86	26.3381 1461
62	11.4370 9509	87	27.1360 0198
63	11.9035 8999	88	27.9486 5991
64	12.3826 9216	89	28.7761 3460
65	12.8745 3013	90	29.6184 6863
66	13.3792 2928	91	30.4757 0089
67	13.8969 1182	92	31.3478 6663
68	14.4276 9675	93	32.2349 9737
69	14.9716 9985	94	33.1371 2096
70	15.5290 3362	95	34.0542 6156
71	16.0998 0729	96	34.9864 3961
72	16.6841 2675	97	35.9336 7184
73	17.2820 9458	98	36.8959 7128
74	17.8938 0997	99	37.8733 4722
75	18.5193 6873	100	38.8658 0524

$e = 18^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	38.8658 0524	125	68.5193 6873
101	39.8733 4722	126	69.8938 0997
102	40.8959 7128	127	71.2820 9458
103	41.9336 7184	128	72.6841 2675
104	42.9864 3961	129	74.0998 0729
105	44.0542 6156	130	75.5290 3362
106	45.1371 2096	131	76.9716 9985
107	46.2349 9737	132	78.4276 9675
108	47.3478 6663	133	79.8969 1182
109	48.4757 0089	134	81.3792 2928
110	49.6184 6863	135	82.8745 3013
111	50.7761 3460	136	84.3826 9216
112	51.9486 5991	137	85.9035 8999
113	53.1360 0198	138	87.4370 9509
114	54.3381 1461	139	88.9830 7583
115	55.5549 4791	140	90.5413 9750
116	56.7864 4839	141	92.1119 2234
117	58.0325 5892	142	93.6945 0958
118	59.2932 1879	143	95.2890 1548
119	60.5683 6368	144	96.8952 9335
120	61.8579 2571	145	98.5131 9360
121	63.1618 3342	146	100.1425 6378
122	64.4800 1183	147	101.7832 4859
123	65.8123 8243	148	103.4350 8996
124	67.1588 6323	149	105.0979 2705
125	68.5193 6873	150	106.7715 9632

$e = 18^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	106.7715 9632	175	151.6049 5652
151	108.4559 3156	176	153.4950 0190
152	110.1507 6391	177	155.3906 0006
153	111.8559 2192	178	157.2915 3001
154	113.5712 3163	179	159.1975 6947
155	115.2965 1653	180	161.1084 9488
156	117.0315 9767	181	163.0240 8149
157	118.7762 9368	182	164.9441 0339
158	120.5304 2081	183	166.8683 3357
159	122.2937 9301	184	168.7965 4400
160	124.0662 2191	185	170.7285 0566
161	125.8475 1693	186	172.6639 8860
162	127.6374 8531	187	174.6027 6199
163	129.4359 3212	188	176.5445 9422
164	131.2426 6036	189	178.4892 5290
165	133.0574 7098	190	180.4365 0495
166	134.8801 6295	191	182.3861 1665
167	136.7105 3327	192	184.3378 5369
168	138.5483 7706	193	186.2914 8125
169	140.3934 8760	194	188.2467 6405
170	142.2456 5637	195	190.2034 6636
171	144.1046 7311	196	192.1613 5215
172	145.9703 2587	197	194.1201 8507
173	147.8424 0106	198	196.0797 2854
174	149.7206 8351	199	198.0397 4580
175	151.6049 5652	200	200.0000 0000

$e = 19^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.7146 0359
1	0.0442 4629	26	1.8344 7496
2	0.0887 2840	27	1.9603 0881
3	0.1336 8208	28	2.0923 2083
4	0.1793 4299	29	2.2307 2519
5	0.2259 4659	30	2.3757 3446
6	0.2737 2811	31	2.5275 5960
7	0.3229 2251	32	2.6864 0990
8	0.3737 6437	33	2.8524 9288
9	0.4264 8789	34	3.0260 1431
10	0.4813 2680	35	3.2071 7811
11	0.5385 1430	36	3.3961 8631
12	0.5982 8302	37	3.5932 3902
13	0.6608 6493	38	3.7985 3434
14	0.7264 9135	39	4.0122 6836
15	0.7953 9280	40	4.2346 3509
16	0.8677 9903	41	4.4658 2638
17	0.9439 3890	42	4.7060 3193
18	1.0240 4037	43	4.9554 3921
19	1.1083 3040	44	5.2142 3341
20	1.1970 3493	45	5.4825 9743
21	1.2903 7881	46	5.7607 1177
22	1.3885 8575	47	6.0487 5455
23	1.4918 7824	48	6.3469 0144
24	1.6004 7754	49	6.6553 2561
25	1.7146 0359	50	6.9741 9770

$e = 19^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	6.9741 9770	75	18.7840 8017
51	7.3036 8575	76	19.4252 6428
52	7.6439 5522	77	20.0804 0736
53	7.9951 6888	78	20.7495 9450
54	8.3574 8681	79	21.4329 0731
55	8.7310 6634	80	22.1304 2395
56	9.1160 6204	81	22.8422 1904
57	9.5126 2566	82	23.5683 6368
58	9.9209 0607	83	24.3089 2547
59	10.3410 4928	84	25.0639 6839
60	10.7731 9835	85	25.8335 5290
61	11.2174 9341	86	26.6177 3585
62	11.6740 7155	87	27.4165 7048
63	12.1430 6686	88	28.2301 0643
64	12.6246 1036	89	29.0583 8970
65	13.1188 2996	90	29.9014 6268
66	13.6258 5047	91	30.7593 6406
67	14.1457 9352	92	31.6321 2893
68	14.6787 7755	93	32.5197 8866
69	15.2249 1780	94	33.4223 7098
70	15.7843 2624	95	34.3398 9992
71	16.3571 1159	96	35.2723 9583
72	16.9433 7925	97	36.2198 7537
73	17.5432 3131	98	37.1823 5150
74	18.1567 6650	99	38.1598 3348
75	18.7840 8017	100	39.1523 2685

$e = 19^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	39.1523 2685	125	68.7840 8017
101	40.1598 3348	126	70.1567 6650
102	41.1823 5150	127	71.5432 3131
103	42.2198 7537	128	72.9433 7925
104	43.2723 9583	129	74.3571 1159
105	44.3398 9992	130	75.7843 2624
106	45.4223 7098	131	77.2249 1780
107	46.5197 8866	132	78.6787 7755
108	47.6321 2893	133	80.1457 9352
109	48.7593 6406	134	81.6258 5047
110	49.9014 6268	135	83.1188 2996
111	51.0583 8970	136	84.6246 1036
112	52.2301 0643	137	86.1430 6686
113	53.4165 7048	138	87.6740 7155
114	54.6177 3585	139	89.2174 9341
115	55.8335 5290	140	90.7731 9835
116	57.0639 6839	141	92.3410 4928
117	58.3089 2547	142	93.9209 0607
118	59.5683 6368	143	95.5126 2566
119	60.8422 1904	144	97.1160 6204
120	62.1304 2395	145	98.7310 6634
121	63.4329 0731	146	100.3574 8681
122	64.7495 9450	147	101.9951 6888
123	66.0804 0736	148	103.6439 5522
124	67.4252 6428	149	105.3036 8575
125	68.7840 8017	150	106.9741 9770

$e = 19^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	106.9741 9770	175	151.7146 0359
151	108.6553 2561	176	153.6004 7754
152	110.3469 0144	177	155.4918 7824
153	112.0487 5455	178	157.3885 8575
154	113.7607 1177	179	159.2903 7881
155	115.4825 9743	180	161.1970 3493
156	117.2142 3341	181	163.1083 3040
157	118.9554 3921	182	165.0240 4037
158	120.7060 3193	183	166.9439 3890
159	122.4658 2638	184	168.8677 9903
160	124.2346 3509	185	170.7953 9280
161	126.0122 6836	186	172.7264 9135
162	127.7985 3434	187	174.6608 6493
163	129.5932 3902	188	176.5982 8302
164	131.3961 8631	189	178.5385 1430
165	133.2071 7811	190	180.4813 2680
166	135.0260 1431	191	182.4264 8789
167	136.8524 9288	192	184.3737 6437
168	138.6864 0990	193	186.3229 2251
169	140.5275 5960	194	188.2737 2811
170	142.3757 3446	195	190.2259 4659
171	144.2307 2519	196	192.1793 4299
172	146.0923 2083	197	194.1336 8208
173	147.9603 0881	198	196.0887 2840
174	149.8344 7496	199	198.0442 4629
175	151.7146 0359	200	200.0000 0000

$e = 20^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.8299 9598
1	0.0489 8259	26	1.9542 2889
2	0.0981 9984	27	2.0843 9474
3	0.1478 8632	28	2.2207 0813
4	0.1982 7652	29	2.3633 8218
5	0.2496 0474	30	2.5126 2842
6	0.3021 0505	31	2.6686 5676
7	0.3560 1123	32	2.8316 7543
8	0.4115 5671	33	3.0018 9094
9	0.4689 7453	34	3.1795 0805
10	0.5284 9725	35	3.3647 2964
11	0.5903 5692	36	3.5577 5677
12	0.6547 8501	37	3.7587 8854
13	0.7220 1237	38	3.9680 2207
14	0.7922 6914	39	4.1856 5249
15	0.8657 8472	40	4.4118 7283
16	0.9427 8770	41	4.6468 7400
17	1.0235 0583	42	4.8908 4477
18	1.1081 6591	43	5.1439 7166
19	1.1969 9381	44	5.4064 3897
20	1.2902 1432	45	5.6784 2865
21	1.3880 5120	46	5.9601 2035
22	1.4907 2704	47	6.2516 9129
23	1.5984 6323	48	6.5533 1626
24	1.7114 7992	49	6.8651 6758
25	1.8299 9598	50	7.1874 1504

$$e = 20^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	7.1874 1504	75	19.0626 6206
51	7.5202 2587	76	19.7056 2431
52	7.8637 6467	77	20.3624 7635
53	8.2181 9344	78	21.0333 0285
54	8.5836 7144	79	21.7181 8503
55	8.9603 5525	80	22.4172 0064
56	9.3483 9865	81	23.1304 2395
57	9.7479 5263	82	23.8579 2571
58	10.1591 6535	83	24.5997 7315
59	10.5821 8208	84	25.3560 2998
60	11.0171 4518	85	26.1267 5633
61	11.4641 9407	86	26.9120 0877
62	11.9234 6517	87	27.7118 4029
63	12.3950 9191	88	28.5263 0028
64	12.8792 0466	89	29.3554 3451
65	13.3759 3070	90	30.1992 8514
66	13.8853 9420	91	31.0578 9071
67	14.4077 1620	92	31.9312 8609
68	14.9430 1456	93	32.8195 0253
69	15.4914 0394	94	33.7225 6761
70	16.0529 9577	95	34.6405 0525
71	16.6278 9821	96	35.5733 3568
72	17.2162 1615	97	36.5210 7549
73	17.8180 5117	98	37.4837 3757
74	18.4335 0152	99	38.4613 3114
75	19.0626 6206	100	39.4538 6171

$e = 20^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	39.4538 6171	125	69.0626 6206
101	40.4613 3114	126	70.4335 0152
102	41.4837 3757	127	71.8180 5117
103	42.5210 7549	128	73.2162 1615
104	43.5733 3568	129	74.6278 9821
105	44.6405 0525	130	76.0529 9577
106	45.7225 6761	131	77.4914 0394
107	46.8195 0253	132	78.9430 1456
108	47.9312 8609	133	80.4077 1620
109	49.0578 9071	134	81.8853 9420
110	50.1992 8514	135	83.3759 3070
111	51.3554 3451	136	84.8792 0466
112	52.5263 0028	137	86.3950 9191
113	53.7118 4029	138	87.9234 6517
114	54.9120 0877	139	89.4641 9407
115	56.1267 5633	140	91.0171 4518
116	57.3560 2998	141	92.5821 8208
117	58.5997 7315	142	94.1591 6535
118	59.8579 2571	143	95.7479 5263
119	61.1304 2395	144	97.3483 9865
120	62.4172 0064	145	98.9603 5525
121	63.7181 8503	146	100.5836 7144
122	65.0333 0285	147	102.2181 9344
123	66.3624 7635	148	103.8637 6467
124	67.7056 2431	149	105.5202 2587
125	69.0626 6206	150	107.1874 1504

$e = 20^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	107.1874 1504	175	151.8299 9598
151	108.8651 6758	176	153.7114 7992
152	110.5533 1626	177	155.5984 6323
153	112.2516 9129	178	157.4907 2704
154	113.9601 2035	179	159.3880 5120
155	115.6784 2865	180	161.2902 1432
156	117.4064 3897	181	163.1969 9381
157	119.1439 7166	182	165.1081 6591
158	120.8908 4477	183	167.0235 0583
159	122.6468 7400	184	168.9427 8770
160	124.4118 7283	185	170.8657 8472
161	126.1856 5249	186	172.7922 6914
162	127.9680 2207	187	174.7220 1237
163	129.7587 8854	188	176.6547 8501
164	131.5577 5677	189	178.5903 5692
165	133.3647 2964	190	180.5284 9725
166	135.1795 0805	191	182.4689 7453
167	137.0018 9094	192	184.4115 5671
168	138.8316 7543	193	186.3560 1123
169	140.6686 5676	194	188.3021 0505
170	142.5126 2842	195	190.2496 0474
171	144.3633 8218	196	192.1982 7652
172	146.2207 0813	197	194.1478 8632
173	148.0843 9474	198	196.0981 9984
174	149.9542 2889	199	198.0489 8259
175	151.8299 9598	200	200.0000 0000

$e = 21^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	1.9511 0523
1	0.0539 5355	26	2.0799 1576
2	0.1081 4052	27	2.2146 2821
3	0.1627 9427	28	2.3554 5608
4	0.2181 4807	29	2.5026 1136
5	0.2744 3498	30	2.6563 0448
6	0.3318 8785	31	2.8167 4424
7	0.3907 3925	32	2.9841 3780
8	0.4512 2138	33	3.1586 9059
9	0.5135 6606	34	3.3406 0627
10	0.5780 0464	35	3.5300 8670
11	0.6447 6796	36	3.7273 3187
12	0.7140 8627	37	3.9325 3983
13	0.7861 8922	38	4.1459 0669
14	0.8613 0574	39	4.3676 2654
15	0.9396 6404	40	4.5978 9141
16	1.0214 9151	41	4.8368 9122
17	1.1070 1471	42	5.0848 1374
18	1.1964 5926	43	5.3418 4453
19	1.2900 4984	44	5.6081 6690
20	1.3880 1008	45	5.8839 6189
21	1.4905 6255	46	6.1694 0817
22	1.5979 2868	47	6.4646 8205
23	1.7103 2872	48	6.7699 5742
24	1.8279 8167	49	7.0854 0569
25	1.9511 0523	50	7.4111 9575

$e = 21^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	7.4111 9575	75	19.3550 4565
51	7.7474 9396	76	19.9998 7412
52	8.0944 6408	77	20.6585 1979
53	8.4522 6724	78	21.3310 6688
54	8.8210 6188	79	22.0175 9618
55	9.2010 0375	80	22.7181 8503
56	9.5922 4583	81	23.4329 0731
57	9.9949 3834	82	24.1618 3342
58	10.4092 2864	83	24.9050 3022
59	10.8352 6125	84	25.6625 6109
60	11.2731 7779	85	26.4344 8585
61	11.7231 1695	86	27.2208 6077
62	12.1852 1443	87	28.0217 3857
63	12.6596 0297	88	28.8371 6837
64	13.1464 1225	89	29.6671 9571
65	13.6457 6890	90	30.5118 6254
66	14.1577 9643	91	31.3712 0717
67	14.6826 1524	92	32.2452 6432
68	15.2203 4259	93	33.1340 6505
69	15.7710 9253	94	34.0376 3681
70	16.3349 7591	95	34.9560 0338
71	16.9121 0033	96	35.8891 8491
72	17.5025 7013	97	36.8371 9788
73	18.1064 8635	98	37.8000 5513
74	18.7239 4673	99	38.7777 6581
75	19.3550 4565	100	39.7703 3542

$e = 21^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	39.7703 3542	125	69.3550 4565
101	40.7777 6581	126	70.7239 4673
102	41.8000 5513	127	72.1064 8635
103	42.8371 9788	128	73.5025 7013
104	43.8891 8491	129	74.9121 0033
105	44.9560 0338	130	76.3349 7591
106	46.0376 3681	131	77.7710 9253
107	47.1340 6505	132	79.2203 4259
108	48.2452 6432	133	80.6826 1524
109	49.3712 0717	134	82.1577 9643
110	50.5118 6254	135	83.6457 6890
111	51.6671 9571	136	85.1464 1225
112	52.8371 6837	137	86.6596 0297
113	54.0217 3857	138	88.1852 1443
114	55.2208 6077	139	89.7231 1695
115	56.4344 8585	140	91.2731 7779
116	57.6625 6109	141	92.8352 6125
117	58.9050 3022	142	94.4092 2864
118	60.1618 3342	143	95.9949 3834
119	61.4329 0731	144	97.5922 4583
120	62.7181 8503	145	99.2010 0375
121	64.0175 9618	146	100.8210 6188
122	65.3310 6688	147	102.4522 6724
123	66.6585 1979	148	104.0944 6408
124	67.9998 7412	149	105.7474 9396
125	69.3550 4565	150	107.4111 9575

$e = 21^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	107.4111 9575	175	151.9511 0523
151	109.0854 0569	176	153.8279 8167
152	110.7699 5742	177	155.7103 2872
153	112.4646 8205	178	157.5979 2868
154	114.1694 0817	179	159.4905 6255
155	115.8839 6189	180	161.3880 1008
156	117.6081 6690	181	163.2900 4984
157	119.3418 4453	182	165.1964 5926
158	121.0848 1374	183	167.1070 1471
159	122.8368 9122	184	169.0214 9151
160	124.5978 9141	185	170.9396 6404
161	126.3676 2654	186	172.8613 0574
162	128.1459 0669	187	174.7861 8922
163	129.9325 3983	188	176.7140 8627
164	131.7273 3187	189	178.6447 6796
165	133.5300 8670	190	180.5780 0464
166	135.3406 0627	191	182.5135 6606
167	137.1586 9059	192	184.4512 2138
168	138.9841 3780	193	186.3907 3925
169	140.8167 4424	194	188.3318 8785
170	142.6563 0448	195	190.2744 3498
171	144.5026 1136	196	192.2181 4807
172	146.3554 5608	197	194.1627 9427
173	148.2146 2821	198	196.1081 4052
174	150.0799 1576	199	198.0539 5355
175	151.9511 0523	200	200.0000 0000

$$e = 22^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	2.0779 0145
1	0.0591 5792	26	2.2115 0455
2	0.1185 4798	27	2.3509 7711
3	0.1784 0227	28	2.4965 3145
4	0.2389 5273	29	2.6483 7838
5	0.3004 3119	30	2.8067 2719
6	0.3630 6918	31	2.9717 8552
7	0.4270 9801	32	3.1437 5940
8	0.4927 4860	33	3.3228 5313
9	0.5602 5150	34	3.5092 6925
10	0.6298 3677	35	3.7032 0850
11	0.7017 3400	36	3.9048 6976
12	0.7761 7217	37	4.1144 5002
13	0.8533 7964	38	4.3321 4429
14	0.9335 8412	39	4.5581 4561
15	1.0170 1254	40	4.7926 4493
16	1.1038 9105	41	5.0358 3115
17	1.1944 4495	42	5.2878 9098
18	1.2888 9864	43	5.5490 0898
19	1.3874 7554	44	5.8193 6745
20	1.4903 9807	45	6.0991 4642
21	1.5978 8756	46	6.3885 2359
22	1.7101 6424	47	6.6876 7431
23	1.8274 4713	48	6.9967 7148
24	1.9499 5403	49	7.3159 8559
25	2.0779 0145	50	7.6454 8461

$$e = 22^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	7.6454 8461	75	19.6611 5879
51	7.9854 3397	76	20.3079 4113
52	8.3359 9653	77	20.9684 6466
53	8.6973 3252	78	21.6428 1312
54	9.0695 9954	79	22.3310 6688
55	9.4529 5247	80	23.0333 0285
56	9.8475 4344	81	23.7495 9450
57	10.2535 2184	82	24.4800 1183
58	10.6710 3424	83	25.2246 2135
59	11.1002 2435	84	25.9834 8609
60	11.5412 3302	85	26.7566 6553
61	11.9941 9816	86	27.5442 1565
62	12.4592 5475	87	28.3461 8885
63	12.9365 3477	88	29.1626 3401
64	13.4261 6721	89	29.9935 9640
65	13.9282 7798	90	30.8391 1774
66	14.4429 8994	91	31.6992 3615
67	14.9704 2282	92	32.5739 8613
68	15.5106 9321	93	33.4633 9859
69	16.0639 1456	94	34.3675 0081
70	16.6301 9710	95	35.2863 1647
71	17.2096 4783	96	36.2198 6558
72	17.8023 7053	97	37.1681 6454
73	18.4084 6569	98	38.1312 2611
74	19.0280 3048	99	39.1090 5941
75	19.6611 5879	100	40.1016 6990

$e = 22^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	40.1016 6990	125	69.6611 5879
101	41.1090 5941	126	71.0280 3048
102	42.1312 2611	127	72.4084 6569
103	43.1681 6454	128	73.8023 7053
104	44.2198 6558	129	75.2096 4783
105	45.2863 1647	130	76.6301 9710
106	46.3675 0081	131	78.0639 1456
107	47.4633 9859	132	79.5106 9321
108	48.5739 8613	133	80.9704 2282
109	49.6992 3615	134	82.4429 8994
110	50.8391 1774	135	83.9282 7798
111	51.9935 9640	136	85.4261 6721
112	53.1626 3401	137	86.9365 3477
113	54.3461 8885	138	88.4592 5475
114	55.5442 1565	139	89.9941 9816
115	56.7566 6553	140	91.5412 3302
116	57.9834 8609	141	93.1002 2435
117	59.2246 2135	142	94.6710 3424
118	60.4800 1183	143	96.2535 2184
119	61.7495 9450	144	97.8475 4344
120	63.0333 0285	145	99.4529 5247
121	64.3310 6688	146	101.0695 9954
122	65.6428 1312	147	102.6973 3252
123	66.9684 6466	148	104.3359 9653
124	68.3079 4113	149	105.9854 3397
125	69.6611 5879	150	107.6454 8461

$e = 22^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	107.6454 8461	175	152.0779 0145
151	109.3159 8559	176	153.9499 5403
152	110.9967 7148	177	155.8274 4713
153	112.6876 7431	178	157.7101 6424
154	114.3885 2359	179	159.5978 8756
155	116.0991 4642	180	161.4903 9807
156	117.8193 6745	181	163.3874 7554
157	119.5490 0898	182	165.2888 9864
158	121.2878 9098	183	167.1944 4495
159	123.0358 3115	184	169.1038 9105
160	124.7926 4493	185	171.0170 1254
161	126.5581 4561	186	172.9335 8412
162	128.3321 4429	187	174.8533 7964
163	130.1144 5002	188	176.7761 7217
164	131.9048 6976	189	178.7017 3400
165	133.7032 0850	190	180.6298 3677
166	135.5092 6925	191	182.5602 5150
167	137.3228 5313	192	184.4927 4860
168	139.1437 5940	193	186.4270 9801
169	140.9717 8552	194	188.3630 6918
170	142.8067 2719	195	190.3004 3119
171	144.6483 7838	196	192.2389 5273
172	146.4965 3145	197	194.1784 0227
173	148.3509 7711	198	196.1185 4798
174	150.2115 0455	199	198.0591 5792
175	152.0779 0145	200	200.0000 0000

$e = 23^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	2.2103 5335
1	0.0645 9444	26	2.3489 6280
2	0.1294 1967	27	2.4934 0778
3	0.1947 0644	28	2.6438 9941
4	0.2606 8538	29	2.8006 4727
5	0.3275 8694	30	2.9638 5943
6	0.3956 4134	31	3.1337 4235
7	0.4650 7854	32	3.3105 0085
8	0.5361 2813	33	3.4943 3806
9	0.6090 1932	34	3.6854 5535
10	0.6839 8085	35	3.8840 5230
11	0.7612 4098	36	4.0903 2665
12	0.8410 2737	37	4.3044 7423
13	0.9235 6706	38	4.5266 8894
14	1.0090 8644	39	4.7571 6269
15	1.0978 1113	40	4.9960 8534
16	1.1899 6597	41	5.2436 4469
17	1.2857 7497	42	5.5000 2639
18	1.3854 6122	43	5.7654 1390
19	1.4892 4686	44	6.0399 8850
20	1.5973 5302	45	6.3239 2916
21	1.7099 9975	46	6.6174 1256
22	1.8274 0600	47	6.9206 1302
23	1.9497 8954	48	7.2337 0248
24	2.0773 6690	49	7.5568 5040
25	2.2103 5335	50	7.8902 2381

$$e = 23^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	7.8902 2381	75	19.9809 2597
51	8.2339 8717	76	20.6297 4933
52	8.5883 0241	77	21.2922 3446
53	8.9533 2883	78	21.9684 6466
54	9.3292 2311	79	22.6585 1979
55	9.7161 3923	80	23.3624 7635
56	10.1142 2848	81	24.0804 0736
57	10.5236 3934	82	24.8123 8243
58	10.9445 1756	83	25.5584 6770
59	11.3770 0601	84	26.3187 2580
60	11.8212 4472	85	27.0932 1589
61	12.2773 7082	86	27.8819 9361
62	12.7455 1850	87	28.6851 1109
63	13.2258 1898	88	29.5026 1688
64	13.7184 0050	89	30.3345 5604
65	14.2233 8825	90	31.1809 7001
66	14.7409 0437	91	32.0418 9670
67	15.2710 6791	92	32.9173 7042
68	15.8139 9478	93	33.8074 2189
69	16.3697 9778	94	34.7120 7825
70	16.9385 8648	95	35.6313 6301
71	17.5204 6730	96	36.5652 9610
72	18.1155 4339	97	37.5138 9381
73	18.7239 1466	98	38.4771 6883
74	19.3456 7775	99	39.4551 3021
75	19.9809 2597	100	40.4477 8340

$e = 23^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	40.4477 8340	125	69.9809 2597
101	41.4551 3021	126	71.3456 7775
102	42.4771 6883	127	72.7239 1466
103	43.5138 9381	128	74.1155 4339
104	44.5652 9610	129	75.5204 6730
105	45.6313 6301	130	76.9385 8648
106	46.7120 7825	131	78.3697 9778
107	47.8074 2189	132	79.8139 9478
108	48.9173 7042	133	81.2710 6791
109	50.0418 9670	134	82.7409 0437
110	51.1809 7001	135	84.2233 8825
111	52.3345 5604	136	85.7184 0050
112	53.5026 1688	137	87.2258 1898
113	54.6851 1109	138	88.7455 1850
114	55.8819 9361	139	90.2773 7082
115	57.0932 1589	140	91.8212 4472
116	58.3187 2580	141	93.3770 0601
117	59.5584 6770	142	94.9445 1756
118	60.8123 8243	143	96.5236 3934
119	62.0804 0736	144	98.1142 2848
120	63.3624 7635	145	99.7161 3923
121	64.6585 1979	146	101.3292 2311
122	65.9684 6466	147	102.9533 2883
123	67.2922 3446	148	104.5883 0241
124	68.6297 4933	149	106.2339 8717
125	69.9809 2597	150	107.8902 2381

$e = 23^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	107.8902 2381	175	152.2103 5335
151	109.5568 5040	176	154.0773 6690
152	111.2337 0248	177	155.9497 8954
153	112.9206 1302	178	157.8274 0600
154	114.6174 1256	179	159.7099 9975
155	116.3239 2916	180	161.5973 5302
156	118.0399 8850	181	163.4892 4686
157	119.7654 1390	182	165.3854 6122
158	121.5000 2639	183	167.2857 7497
159	123.2436 4469	184	169.1899 6597
160	124.9960 8534	185	171.0978 1113
161	126.7571 6269	186	173.0090 8644
162	128.5266 8894	187	174.9235 6706
163	130.3044 7423	188	176.8410 2737
164	132.0903 2665	189	178.7612 4098
165	133.8840 5230	190	180.6839 8085
166	135.6854 5535	191	182.6090 1932
167	137.4943 3806	192	184.5361 2813
168	139.3105 0085	193	186.4650 7854
169	141.1337 4235	194	188.3956 4134
170	142.9638 5943	195	190.3275 8694
171	144.8006 4727	196	192.2606 8538
172	146.6438 9941	197	194.1947 0644
173	148.4934 0778	198	196.1294 1967
174	150.3489 6280	199	198.0645 9444
175	152.2103 5335	200	200.0000 0000

$$e = 24^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	2.3484 2825
1	0.0702 6175	26	2.4922 5658
2	0.1407 5290	27	2.6418 8509
3	0.2117 0279	28	2.7975 2360
4	0.2833 4065	29	2.9593 8045
5	0.3558 9554	30	3.1276 6243
6	0.4295 9629	31	3.3025 7476
7	0.5046 7146	32	3.4843 2101
8	0.5813 4925	33	3.6731 0308
9	0.6598 5748	34	3.8691 2112
10	0.7404 2352	35	4.0725 7350
11	0.8232 7422	36	4.2836 5677
12	0.9086 3588	37	4.5025 6557
13	0.9967 3416	38	4.7294 9262
14	1.0877 9407	39	4.9646 2867
15	1.1820 3988	40	5.2081 6245
16	1.2796 9506	41	5.4602 8058
17	1.3809 8225	42	5.7211 6761
18	1.4861 2320	43	5.9910 0590
19	1.5953 3871	44	6.2699 7561
20	1.7088 4855	45	6.5582 5464
21	1.8268 7146	46	6.8560 1859
22	1.9496 2506	47	7.1634 4073
23	2.0773 2578	48	7.4806 9194
24	2.2101 8886	49	7.8079 4069
25	2.3484 2825	50	8.1453 5297

$$e = 24^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	8.1453 5297	75	20.3142 6828
51	8.4930 9225	76	20.9652 1930
52	8.8513 1948	77	21.6297 4933
53	9.2201 9299	78	22.3079 4113
54	9.5998 6852	79	22.9998 7412
55	9.9904 9912	80	23.7056 2431
56	10.3922 3514	81	24.4252 6428
57	10.8052 2419	82	25.1588 6323
58	11.2296 1111	83	25.9064 8688
59	11.6655 3792	84	26.6681 9749
60	12.1131 4381	85	27.4440 5388
61	12.5725 6506	86	28.2341 1133
62	13.0439 3506	87	29.0384 2164
63	13.5273 8423	88	29.8570 3312
64	14.0230 4003	89	30.6899 9049
65	14.5310 2689	90	31.5373 3499
66	15.0514 6622	91	32.3991 0428
67	15.5844 7634	92	33.2753 3246
68	16.1301 7247	93	34.1660 5008
69	16.6886 6671	94	35.0712 8409
70	17.2600 6798	95	35.9910 5788
71	17.8444 8204	96	36.9253 9125
72	18.4420 1143	97	37.8743 0039
73	19.0527 5545	98	38.8377 9791
74	19.6768 1015	99	39.8158 9282
75	20.3142 6828	100	40.8085 9052

$e = 24^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	40.8085 9052	125	70.3142 6828
101	41.8158 9282	126	71.6768 1015
102	42.8377 9791	127	73.0527 5545
103	43.8743 0039	128	74.4420 1143
104	44.9253 9125	129	75.8444 8204
105	45.9910 5788	130	77.2600 6798
106	47.0712 8409	131	78.6886 6671
107	48.1660 5008	132	80.1301 7247
108	49.2753 3246	133	81.5844 7634
109	50.3991 0428	134	83.0514 6622
110	51.5373 3499	135	84.5310 2689
111	52.6899 9049	136	86.0230 4003
112	53.8570 3312	137	87.5273 8423
113	55.0384 2164	138	89.0439 3506
114	56.2341 1133	139	90.5725 6506
115	57.4440 5388	140	92.1131 4381
116	58.6681 9749	141	93.6655 3792
117	59.9064 8688	142	95.2296 1111
118	61.1588 6323	143	96.8052 2419
119	62.4252 6428	144	98.3922 3514
120	63.7056 2431	145	99.9904 9912
121	64.9998 7412	146	101.5998 6852
122	66.3079 4113	147	103.2201 9299
123	67.6297 4933	148	104.8513 1948
124	68.9652 1930	149	106.4930 9225
125	70.3142 6828	150	108.1453 5297

$e = 24^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	108.1453 5297	175	152.3484 2825
151	109.8079 4069	176	154.2101 8886
152	111.4806 9194	177	156.0773 2578
153	113.1634 4073	178	157.9496 2506
154	114.8560 1859	179	159.8268 7146
155	116.5582 5464	180	161.7088 4855
156	118.2699 7561	181	163.5953 3871
157	119.9910 0590	182	165.4861 2320
158	121.7211 6761	183	167.3809 8225
159	123.4602 8058	184	169.2796 9506
160	125.2081 6245	185	171.1820 3988
161	126.9646 2867	186	173.0877 9407
162	128.7294 9262	187	174.9967 3416
163	130.5025 6557	188	176.9086 3588
164	132.2836 5677	189	178.8232 7422
165	134.0725 7350	190	180.7404 2352
166	135.8691 2112	191	182.6598 5748
167	137.6731 0308	192	184.5813 4925
168	139.4843 2101	193	186.5046 7146
169	141.3025 7476	194	188.4295 9629
170	143.1276 6243	195	190.3558 9554
171	144.9593 8045	196	192.2833 4065
172	146.7975 2360	197	194.2117 0279
173	148.6418 8509	198	196.1407 5290
174	150.4922 5658	199	198.0702 6175
175	152.3484 2825	200	200.0000 0000

$e = 25^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	2.4920 9210
1	0.0761 5846	26	2.6413 5055
2	0.1525 4486	27	2.7963 7240
3	0.2293 8710	28	2.9573 6614
4	0.3069 1294	29	3.1245 3877
5	0.3853 5000	30	3.2980 9578
6	0.4649 2565	31	3.4782 4109
7	0.5458 6700	32	3.6651 7698
8	0.6284 0081	33	3.8591 0406
9	0.7127 5346	34	4.0602 2123
10	0.7991 5085	35	4.2687 2558
11	0.8878 1842	36	4.4848 1242
12	0.9789 8102	37	4.7086 7516
13	1.0728 6289	38	4.9405 0530
14	1.1696 8760	39	5.1804 9238
15	1.2696 7800	40	5.4288 2391
16	1.3730 5615	41	5.6856 8537
17	1.4800 4328	42	5.9512 6010
18	1.5908 5973	43	6.2257 2932
19	1.7057 2489	44	6.5092 7204
20	1.8248 5715	45	6.8020 6504
21	1.9484 7385	46	7.1042 8281
22	2.0767 9124	47	7.4160 9751
23	2.2100 2438	48	7.7376 7895
24	2.3483 8713	49	8.0691 9451
25	2.4920 9210	50	8.4108 0914

$e = 25^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	8.4108 0914	75	20.6611 0348
51	8.7626 8527	76	21.3142 6828
52	9.1249 8284	77	21.9809 2597
53	9.4978 5917	78	22.6611 5879
54	9.8814 6900	79	23.3550 4565
55	10.2759 6442	80	24.0626 6206
56	10.6814 9483	81	24.7840 8017
57	11.0982 0690	82	25.5193 6873
58	11.5262 4456	83	26.2685 9303
59	11.9657 4891	84	27.0318 1496
60	12.4168 5826	85	27.8090 9293
61	12.8797 0805	86	28.6004 8191
62	13.3544 3079	87	29.4060 3336
63	13.8411 5610	88	30.2257 9525
64	14.3400 1062	89	31.0598 1207
65	14.8511 1800	90	31.9081 2476
66	15.3745 9886	91	32.7707 7076
67	15.9105 7079	92	33.6477 8394
68	16.4591 4826	93	34.5391 9466
69	17.0204 4267	94	35.4450 2971
70	17.5945 6226	95	36.3653 1232
71	18.1816 1211	96	37.3000 6217
72	18.7816 9410	97	38.2492 9534
73	19.3949 0692	98	39.2130 2438
74	20.0213 4598	99	40.1912 5822
75	20.6611 0348	100	41.1840 0223

$e = 25^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	41.1840 0223	125	70.6611 0348
101	42.1912 5822	126	72.0213 4598
102	43.2130 2438	127	73.3949 0692
103	44.2492 9534	128	74.7816 9410
104	45.3000 6217	129	76.1816 1211
105	46.3653 1232	130	77.5945 6226
106	47.4450 2971	131	79.0204 4267
107	48.5391 9466	132	80.4591 4826
108	49.6477 8394	133	81.9105 7079
109	50.7707 7076	134	83.3745 9886
110	51.9081 2476	135	84.8511 1800
111	53.0598 1207	136	86.3400 1062
112	54.2257 9525	137	87.8411 5610
113	55.4060 3336	138	89.3544 3079
114	56.6004 8191	139	90.8797 0805
115	57.8090 9293	140	92.4168 5826
116	59.0318 1496	141	93.9657 4891
117	60.2685 9303	142	95.5262 4456
118	61.5193 6873	143	97.0982 0690
119	62.7840 8017	144	98.6814 9483
120	64.0626 6206	145	100.2759 6442
121	65.3550 4565	146	101.8814 6900
122	66.6611 5879	147	103.4978 5917
123	67.9809 2597	148	105.1249 8284
124	69.3142 6828	149	106.7626 8527
125	70.6611 0348	150	108.4108 0914

$e = 25^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	108.4108 0914	175	152.4920 9210
151	110.0691 9451	176	154.3483 8713
152	111.7376 7895	177	156.2100 2438
153	113.4160 9751	178	158.0767 9124
154	115.1042 8281	179	159.9484 7385
155	116.8020 6504	180	161.8248 5715
156	118.5092 7204	181	163.7057 2489
157	120.2257 2932	182	165.5908 5973
158	121.9512 6010	183	167.4800 4328
159	123.6856 8537	184	169.3730 5615
160	125.4288 2391	185	171.2696 7800
161	127.1804 9238	186	173.1696 8760
162	128.9405 0530	187	175.0728 6289
163	130.7086 7516	188	176.9789 8102
164	132.4848 1242	189	178.8878 1842
165	134.2687 2558	190	180.7991 5085
166	136.0602 2123	191	182.7127 5346
167	137.8591 0406	192	184.6284 0081
168	139.6651 7698	193	186.5458 6700
169	141.4782 4109	194	188.4649 2565
170	143.2980 9578	195	190.3853 5000
171	145.1245 3877	196	192.3069 1294
172	146.9573 6614	197	194.2293 8710
173	148.7963 7240	198	196.1525 4486
174	150.6413 5055	199	198.0761 5846
175	152.4920 9210	200	200.0000 0000

$e = 26^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	2.6413 0943
1	0.0822 8311	26	2.7962 0792
2	0.1647 9266	27	2.9568 3160
3	0.2477 5502	28	3.1233 8757
4	0.3313 9645	29	3.2960 8147
5	0.4159 4306	30	3.4751 1743
6	0.5016 2071	31	3.6606 9800
7	0.5886 5501	32	3.8530 2414
8	0.6772 7121	33	4.0522 9513
9	0.7676 9418	34	4.2587 0853
10	0.8601 4836	35	4.4724 6015
11	0.9548 5765	36	4.6937 4398
12	1.0520 4543	37	4.9227 5216
13	1.1519 3446	38	5.1596 7492
14	1.2547 4682	39	5.4047 0054
15	1.3607 0388	40	5.6580 1530
16	1.4700 2623	41	5.9198 0343
17	1.5829 3363	42	6.1902 4707
18	1.6996 4497	43	6.4695 2624
19	1.8203 7817	44	6.7578 1875
20	1.9453 5019	45	7.0553 0021
21	2.0747 7693	46	7.3621 4396
22	2.2088 7317	47	7.6785 2102
23	2.3478 5259	48	8.0046 0007
24	2.4919 2761	49	8.3405 4739
25	2.6413 0943	50	8.6865 2681

$e = 26^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	8.6865 2681	75	21.0213 4598
51	9.0426 9972	76	21.6768 1015
52	9.4092 2497	77	22.3456 7775
53	9.7862 5885	78	23.0280 3048
54	10.1739 5507	79	23.7239 4673
55	10.5724 6472	80	24.4335 0152
56	10.9819 3619	81	25.1567 6650
57	11.4025 1520	82	25.8938 0997
58	11.8343 4470	83	26.6446 9681
59	12.2775 6490	84	27.4094 8847
60	12.7323 1315	85	28.1882 4299
61	13.1987 2399	86	28.9810 1496
62	13.6769 2909	87	29.7878 5552
63	14.1670 5718	88	30.6088 1231
64	14.6692 3407	89	31.4439 2952
65	15.1835 8259	90	32.2932 4784
66	15.7102 2256	91	33.1568 0442
67	16.2492 7078	92	34.0346 3296
68	16.8008 4099	93	34.9267 6357
69	17.3650 4382	94	35.8332 2290
70	17.9419 8680	95	36.7540 3400
71	18.5317 7432	96	37.6892 1642
72	19.1345 0759	97	38.6387 8616
73	19.7502 8463	98	39.6027 5565
74	20.3792 0024	99	40.5811 3379
75	21.0213 4598	100	41.5739 2591

$e = 26^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	41.5739 2591	125	71.0213 4598
101	42.5811 3379	126	72.3792 0024
102	43.6027 5565	127	73.7502 8463
103	44.6387 8616	128	75.1345 0759
104	45.6892 1642	129	76.5317 7432
105	46.7540 3400	130	77.9419 8680
106	47.8332 2290	131	79.3650 4382
107	48.9267 6357	132	80.8008 4099
108	50.0346 3296	133	82.2492 7078
109	51.1568 0442	134	83.7102 2256
110	52.2932 4784	135	85.1835 8259
111	53.4439 2952	136	86.6692 3407
112	54.6088 1231	137	88.1670 5718
113	55.7878 5552	138	89.6769 2909
114	56.9810 1496	139	91.1987 2399
115	58.1882 4299	140	92.7323 1315
116	59.4094 8847	141	94.2775 6490
117	60.6446 9681	142	95.8343 4470
118	61.8938 0997	143	97.4025 1520
119	63.1567 6650	144	98.9819 3619
120	64.4335 0152	145	100.5724 6472
121	65.7239 4673	146	102.1739 5507
122	67.0280 3048	147	103.7862 5885
123	68.3456 7775	148	105.4092 2497
124	69.6768 1015	149	107.0426 9972
125	71.0213 4598	150	108.6865 2681

$e = 26^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	108.6865 2681	175	152.6413 0943
151	110.3405 4739	176	154.4919 2761
152	112.0046 0007	177	156.3478 5259
153	113.6785 2102	178	158.2088 7317
154	115.3621 4396	179	160.0747 7693
155	117.0553 0021	180	161.9453 5019
156	118.7578 1875	181	163.8203 7817
157	120.4695 2624	182	165.6996 4497
158	122.1902 4707	183	167.5829 3363
159	123.9198 0343	184	169.4700 2623
160	125.6580 1530	185	171.3607 0388
161	127.4047 0054	186	173.2547 4682
162	129.1596 7492	187	175.1519 3446
163	130.9227 5216	188	177.0520 4543
164	132.6937 4398	189	178.9548 5765
165	134.4724 6015	190	180.8601 4836
166	136.2587 0853	191	182.7676 9418
167	138.0522 9513	192	184.6772 7121
168	139.8530 2414	193	186.5886 5501
169	141.6606 9800	194	188.5016 2071
170	143.4751 1743	195	190.4159 4306
171	145.2960 8147	196	192.3313 9645
172	147.1233 8757	197	194.2477 5502
173	148.9568 3160	198	196.1647 9266
174	150.7962 0792	199	198.0822 8311
175	152.6413 0943	200	200.0000 0000

$$e = 27^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	2.7960 4343
1	0.0886 3420	26	2.9567 9047
2	0.1774 9327	27	3.1232 2308
3	0.2668 0202	28	3.2955 4693
4	0.3567 8514	29	3.4739 6622
5	0.4476 6717	30	3.6586 8369
6	0.5396 7242	31	3.8499 0048
7	0.6330 2492	32	4.0478 1615
8	0.7279 4838	33	4.2526 2861
9	0.8246 6611	34	4.4645 3405
10	0.9234 0098	35	4.6837 2692
11	1.0243 7536	36	4.9103 9988
12	1.1278 1109	37	5.1447 4374
13	1.2339 2936	38	5.3869 4740
14	1.3429 5073	39	5.6371 9784
15	1.4550 9504	40	5.8956 8006
16	1.5705 8136	41	6.1625 7701
17	1.6896 2791	42	6.4380 6957
18	1.8124 5208	43	6.7223 3650
19	1.9392 7027	44	7.0155 5441
20	2.0702 9795	45	7.3178 9767
21	2.2057 4951	46	7.6295 3843
22	2.3458 3828	47	7.9506 4652
23	2.4907 7641	48	8.2813 8946
24	2.6407 7489	49	8.6219 3238
25	2.7960 4343	50	8.9724 3797

$$e = 27^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	8.9724 3797	75	21.3949 0692
51	9.3330 6651	76	22.0527 5545
52	9.7039 7573	77	22.7239 1466
53	10.0853 2087	78	23.4084 6569
54	10.4772 5456	79	24.1064 8635
55	10.8799 2684	80	24.8180 5117
56	11.2934 8508	81	25.5432 3131
57	11.7180 7399	82	26.2820 9458
58	12.1538 3554	83	27.0347 0541
59	12.6009 0894	84	27.8011 2484
60	13.0594 3062	85	28.5814 1050
61	13.5295 3419	86	29.3756 1660
62	14.0113 5038	87	30.1837 9392
63	14.5050 0706	88	31.0059 8979
64	15.0106 2915	89	31.8422 4808
65	15.5283 3863	90	32.6926 0918
66	16.0582 5451	91	33.5571 1003
67	16.6004 9276	92	34.4357 8406
68	17.1551 6634	93	35.3286 6119
69	17.7223 8512	94	36.2357 6786
70	18.3022 5588	95	37.1571 2699
71	18.8948 8229	96	38.0927 5799
72	19.5003 6486	97	39.0426 7673
73	20.1188 0092	98	40.0068 9557
74	20.7502 8463	99	40.9854 2335
75	21.3949 0692	100	41.9782 6535

$e = 27^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	41.9782 6535	125	71.3949 0692
101	42.9854 2335	126	72.7502 8463
102	44.0068 9557	127	74.1188 0092
103	45.0426 7673	128	75.5003 6486
104	46.0927 5799	129	76.8948 8229
105	47.1571 2699	130	78.3022 5588
106	48.2357 6786	131	79.7223 8512
107	49.3286 6119	132	81.1551 6634
108	50.4357 8406	133	82.6004 9276
109	51.5571 1003	134	84.0582 5451
110	52.6926 0918	135	85.5283 3863
111	53.8422 4808	136	87.0106 2915
112	55.0059 8979	137	88.5050 0706
113	56.1837 9392	138	90.0113 5038
114	57.3756 1660	139	91.5295 3419
115	58.5814 1050	140	93.0594 3062
116	59.8011 2484	141	94.6009 0894
117	61.0347 0541	142	96.1538 3554
118	62.2820 9458	143	97.7180 7399
119	63.5432 3131	144	99.2934 8508
120	64.8180 5117	145	100.8799 2684
121	66.1064 8635	146	102.4772 5456
122	67.4084 6569	147	104.0853 2087
123	68.7239 1466	148	105.7039 7573
124	70.0527 5545	149	107.3330 6651
125	71.3949 0692	150	108.9724 3797

$e = 27^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	108.9724 3797	175	152.7960 4343
151	110.6219 3238	176	154.6407 7489
152	112.2813 8946	177	156.4907 7641
153	113.9506 4652	178	158.3458 3828
154	115.6295 3843	179	160.2057 4951
155	117.3178 9767	180	162.0702 9795
156	119.0155 5441	181	163.9392 7027
157	120.7223 3650	182	165.8124 5208
158	122.4380 6957	183	167.6896 2791
159	124.1625 7701	184	169.5705 8136
160	125.8956 8006	185	171.4550 9504
161	127.6371 9784	186	173.3429 5073
162	129.3869 4740	187	175.2339 2936
163	131.1447 4374	188	177.1278 1109
164	132.9103 9988	189	179.0243 7536
165	134.6837 2692	190	180.9234 0098
166	136.4645 3405	191	182.8246 6611
167	138.2526 2861	192	184.7279 4838
168	140.0478 1615	193	186.6330 2492
169	141.8499 0048	194	188.5396 7242
170	143.6586 8369	195	190.4476 6717
171	145.4739 6622	196	192.3567 8514
172	147.2955 4693	197	194.2668 0202
173	149.1232 2308	198	196.1774 9327
174	150.9567 9047	199	198.0886 3420
175	152.7960 4343	200	200.0000 0000

$$e = 28^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	2.9562 5593
1	0.0952 1016	26	3.1230 5859
2	0.1906 4356	27	3.2955 0580
3	0.2865 2339	28	3.4738 0174
4	0.3830 7273	29	3.6581 4915
5	0.4805 1449	30	3.8487 4928
6	0.5790 7137	31	4.0458 0184
7	0.6789 6579	32	4.2495 0495
8	0.7804 1982	33	4.4600 5507
9	0.8836 5517	34	4.6776 4700
10	0.9888 9312	35	4.9024 7379
11	1.0963 5442	36	5.1347 2668
12	1.2062 5929	37	5.3745 9512
13	1.3188 2736	38	5.6222 6666
14	1.4342 7759	39	5.8779 2692
15	1.5528 2821	40	6.1417 5955
16	1.6746 9673	41	6.4139 4620
17	1.8000 9980	42	6.6946 6644
18	1.9292 5322	43	6.9840 9774
19	2.0623 7185	44	7.2824 1542
20	2.1996 6959	45	7.5897 9262
21	2.3413 5930	46	7.9064 0023
22	2.4876 5275	47	8.2324 0687
23	2.6387 6057	48	8.5679 7883
24	2.7948 9223	49	8.9132 8005
25	2.9562 5593	50	9.2684 7207

$$e = 28^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	9.2684 7207	75	21.7816 9410
51	9.6337 1398	76	22.4420 1143
52	10.0091 6241	77	23.1155 4339
53	10.3949 7144	78	23.8023 7053
54	10.7912 9263	79	24.5025 7013
55	11.1982 7493	80	25.2162 1615
56	11.6160 6464	81	25.9433 7925
57	12.0448 0542	82	26.6841 2675
58	12.4846 3823	83	27.4385 2261
59	12.9357 0127	84	28.2066 2744
60	13.3981 2998	85	28.9884 9845
61	13.8720 5702	86	29.7841 8945
62	14.3576 1216	87	30.5937 5087
63	14.8549 2235	88	31.4172 2968
64	15.3641 1162	89	32.2546 6945
65	15.8853 0107	90	33.1061 1027
66	16.4186 0883	91	33.9715 8882
67	16.9641 5006	92	34.8511 3827
68	17.5220 3689	93	35.7447 8834
69	18.0923 7840	94	36.6525 6529
70	18.6752 8060	95	37.5744 9185
71	19.2708 4641	96	38.5105 8730
72	19.8791 7562	97	39.4608 6740
73	20.5003 6486	98	40.4253 4443
74	21.1345 0759	99	41.4040 2713
75	21.7816 9410	100	42.3969 2078

$e = 28^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	42.3969 2078	125	71.7816 9410
101	43.4040 2713	126	73.1345 0759
102	44.4253 4443	127	74.5003 6486
103	45.4608 6740	128	75.8791 7562
104	46.5105 8730	129	77.2708 4641
105	47.5744 9185	130	78.6752 8060
106	48.6525 6529	131	80.0923 7840
107	49.7447 8834	132	81.5220 3689
108	50.8511 3827	133	82.9641 5006
109	51.9715 8882	134	84.4186 0883
110	53.1061 1027	135	85.8853 0107
111	54.2546 6945	136	87.3641 1162
112	55.4172 2968	137	88.8549 2235
113	56.5937 5087	138	90.3576 1216
114	57.7841 8945	139	91.8720 5702
115	58.9884 9845	140	93.3981 2998
116	60.2066 2744	141	94.9357 0127
117	61.4385 2261	142	96.4846 3823
118	62.6841 2675	143	98.0448 0542
119	63.9433 7925	144	99.6160 6464
120	65.2162 1615	145	101.1982 7493
121	66.5025 7013	146	102.7912 9263
122	67.8023 7053	147	104.3949 7144
123	69.1155 4339	148	106.0091 6241
124	70.4420 1143	149	107.6337 1398
125	71.7816 9410	150	109.2684 7207

$$e = 28^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	109.2684 7207	175	152.9562 5593
151	110.9132 8005	176	154.7948 9223
152	112.5679 7883	177	156.6387 6057
153	114.2324 0687	178	158.4876 5275
154	115.9064 0023	179	160.3413 5930
155	117.5897 9262	180	162.1996 6959
156	119.2824 1542	181	164.0623 7185
157	120.9840 9774	182	165.9292 5322
158	122.6946 6644	183	167.8000 9980
159	124.4139 4620	184	169.6746 9673
160	126.1417 5955	185	171.5528 2821
161	127.8779 2692	186	173.4342 7759
162	129.6222 6666	187	175.3188 2736
163	131.3745 9512	188	177.2062 5929
164	133.1347 2668	189	179.0963 5442
165	134.9024 7379	190	180.9888 9312
166	136.6776 4700	191	182.8836 5517
167	138.4600 5507	192	184.7804 1982
168	140.2495 0495	193	186.6789 6579
169	142.0458 0184	194	188.5790 7137
170	143.8487 4928	195	190.4805 1449
171	145.6581 4915	196	192.3830 7273
172	147.4738 0174	197	194.2865 2339
173	149.2955 0580	198	196.1906 4356
174	151.1230 5859	199	198.0952 1016
175	152.9562 5593	200	200.0000 0000

$e = 29^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	3.1219 0739
1	0.1020 0935	26	3.2949 7126
2	0.2042 4027	27	3.4736 3725
3	0.3069 1427	28	3.6581 0803
4	0.4102 5274	29	3.8485 8479
5	0.5144 7694	30	4.0452 6730
6	0.6198 0786	31	4.2483 5375
7	0.7264 6627	32	4.4580 4076
8	0.8346 7258	33	4.6745 2334
9	0.9446 4683	34	4.8979 9481
10	1.0566 0861	35	5.1286 4676
11	1.1707 7705	36	5.3666 6903
12	1.2873 7069	37	5.6122 4960
13	1.4066 0752	38	5.8655 7464
14	1.5287 0484	39	6.1268 2837
15	1.6538 7927	40	6.3961 9305
16	1.7823 4666	41	6.6738 4898
17	1.9143 2203	42	6.9599 7437
18	2.0500 1958	43	7.2547 4536
19	2.1896 5254	44	7.5583 3595
20	2.3334 3320	45	7.8709 1799
21	2.4815 7283	46	8.1926 6107
22	2.6342 8160	47	8.5237 3254
23	2.7917 6857	48	8.8642 9746
24	2.9542 4162	49	9.2145 1852
25	3.1219 0739	50	9.5745 5606

$$e = 29^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	9.5745 5606	75	22.1816 1211
51	9.9445 6797	76	22.8444 8204
52	10.3247 0970	77	23.5204 6730
53	10.7151 3417	78	24.2096 4783
54	11.1159 9181	79	24.9121 0033
55	11.5274 3044	80	25.6278 9821
56	11.9495 9527	81	26.3571 1159
57	12.3826 2887	82	27.0998 0729
58	12.8266 7115	83	27.8560 4878
59	13.2818 5927	84	28.6258 9622
60	13.7483 2766	85	29.4094 0640
61	14.2262 0795	86	30.2066 3272
62	14.7156 2898	87	31.0176 2522
63	15.2167 1672	88	31.8424 3053
64	15.7295 9427	89	32.6810 9188
65	16.2543 8182	90	33.5336 4908
66	16.7911 9663	91	34.4001 3851
67	17.3401 5296	92	35.2805 9310
68	17.9013 6213	93	36.1750 4237
69	18.4749 3238	94	37.0835 1233
70	19.0609 6893	95	38.0060 2560
71	19.6595 7393	96	38.9426 0127
72	20.2708 4641	97	39.8932 5500
73	20.8948 8229	98	40.8579 9896
74	21.5317 7432	99	41.8368 4186
75	22.1816 1211	100	42.8297 8891

$e = 29^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	42.8297 8891	125	72.1816 1211
101	43.8368 4186	126	73.5317 7432
102	44.8579 9896	127	74.8948 8229
103	45.8932 5500	128	76.2708 4641
104	46.9426 0127	129	77.6595 7393
105	48.0060 2560	130	79.0609 6893
106	49.0835 1233	131	80.4749 3238
107	50.1750 4237	132	81.9013 6213
108	51.2805 9310	133	83.3401 5296
109	52.4001 3851	134	84.7911 9663
110	53.5336 4908	135	86.2543 8182
111	54.6810 9188	136	87.7295 9427
112	55.8424 3053	137	89.2167 1672
113	57.0176 2522	138	90.7156 2898
114	58.2066 3272	139	92.2262 0795
115	59.4094 0640	140	93.7483 2766
116	60.6258 9622	141	95.2818 5927
117	61.8560 4878	142	96.8266 7115
118	63.0998 0729	143	98.3826 2887
119	64.3571 1159	144	99.9495 9527
120	65.6278 9821	145	101.5274 3044
121	66.9121 0033	146	103.1159 9181
122	68.2096 4783	147	104.7151 3417
123	69.5204 6730	148	106.3247 0970
124	70.8444 8204	149	107.9445 6797
125	72.1816 1211	150	109.5745 5606

$e = 29^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	109.5745 5606	175	153.1219 0739
151	111.2145 1852	176	154.9542 4162
152	112.8642 9746	177	156.7917 6857
153	114.5237 3254	178	158.6342 8160
154	116.1926 6107	179	160.4815 7283
155	117.8709 1799	180	162.3334 3320
156	119.5583 3595	181	164.1896 5254
157	121.2547 4536	182	166.0500 1958
158	122.9599 7437	183	167.9143 2203
159	124.6738 4898	184	169.7823 4666
160	126.3961 9305	185	171.6538 7927
161	128.1268 2837	186	173.5287 0484
162	129.8655 7464	187	175.4066 0752
163	131.6122 4960	188	177.2873 7069
164	133.3666 6903	189	179.1707 7705
165	135.1286 4676	190	181.0566 0861
166	136.8979 9481	191	182.9446 4683
167	138.6745 2334	192	184.8346 7258
168	140.4580 4076	193	186.7264 6627
169	142.2483 5375	194	188.6198 0786
170	144.0452 6730	195	190.5144 7694
171	145.8485 8479	196	192.4102 5274
172	147.6581 0803	197	194.3069 1427
173	149.4736 3725	198	196.2042 4027
174	151.2949 7126	199	198.1020 0935
175	153.1219 0739	200	200.0000 0000

$e = 30^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	3.2929 5695
1	0.1090 3012	26	3.4724 8605
2	0.2182 8007	27	3.6575 7348
3	0.3279 6963	28	3.8484 2031
4	0.4383 1848	29	4.0452 2618
5	0.5495 4611	30	4.2481 8926
6	0.6618 7183	31	4.4575 0622
7	0.7755 1466	32	4.6733 7214
8	0.8906 9328	33	4.8959 8050
9	1.0076 2602	34	5.1255 2310
10	1.1265 3076	35	5.3621 9005
11	1.2476 2489	36	5.6061 6968
12	1.3711 2527	37	5.8576 4854
13	1.4972 4817	38	6.1168 1131
14	1.6262 0921	39	6.3838 4078
15	1.7582 2329	40	6.6589 1779
16	1.8935 0458	41	6.9422 2122
17	2.0322 6643	42	7.2339 2790
18	2.1747 2135	43	7.5342 1258
19	2.3210 8093	44	7.8432 4792
20	2.4715 5577	45	8.1612 0440
21	2.6263 5550	46	8.4882 5029
22	2.7856 8865	47	8.8245 5165
23	2.9497 6264	48	9.1702 7223
24	3.1187 8373	49	9.5255 7347
25	3.2929 5695	50	9.8906 1442

$e = 30^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	9.8906 1442	75	22.5945 6226
51	10.2655 5177	76	23.2600 6798
52	10.6505 3974	77	23.9385 8648
53	11.0457 3006	78	24.6301 9710
54	11.4512 7198	79	25.3349 7591
55	11.8673 1215	80	26.0529 9577
56	12.2939 9467	81	26.7843 2624
57	12.7314 6100	82	27.5290 3362
58	13.1798 4992	83	28.2871 8089
59	13.6392 9754	84	29.0588 2774
60	14.1099 3724	85	29.8440 3049
61	14.5918 9963	86	30.6428 4216
62	15.0853 1252	87	31.4553 1238
63	15.5903 0090	88	32.2814 8742
64	16.1069 8692	89	33.1214 1016
65	16.6354 8983	90	33.9751 2011
66	17.1759 2595	91	34.8426 5337
67	17.7284 0869	92	35.7240 4261
68	18.2930 4845	93	36.6193 1709
69	18.8699 5266	94	37.5285 0267
70	19.4592 2571	95	38.4516 2175
71	20.0609 6893	96	39.3886 9329
72	20.6752 8060	97	40.3397 3283
73	21.3022 5588	98	41.3047 5243
74	21.9419 8680	99	42.2837 6074
75	22.5945 6226	100	43.2767 6294

$e = 30^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	43.2767 6294	125	72.5945 6226
101	44.2837 6074	126	73.9419 8680
102	45.3047 5243	127	75.3022 5588
103	46.3397 3283	128	76.6752 8060
104	47.3886 9329	129	78.0609 6893
105	48.4516 2175	130	79.4592 2571
106	49.5285 0267	131	80.8699 5266
107	50.6193 1709	132	82.2930 4845
108	51.7240 4261	133	83.7284 0869
109	52.8426 5337	134	85.1759 2595
110	53.9751 2011	135	86.6354 8983
111	55.1214 1016	136	88.1069 8692
112	56.2814 8742	137	89.5903 0090
113	57.4553 1238	138	91.0853 1252
114	58.6428 4216	139	92.5918 9963
115	59.8440 3049	140	94.1099 3724
116	61.0588 2774	141	95.6392 9754
117	62.2871 8089	142	97.1798 4992
118	63.5290 3362	143	98.7314 6100
119	64.7843 2624	144	100.2939 9467
120	66.0529 9577	145	101.8673 1215
121	67.3349 7591	146	103.4512 7198
122	68.6301 9710	147	105.0457 3006
123	69.9385 8648	148	106.6505 3974
124	71.2600 6798	149	108.2655 5177
125	72.5945 6226	150	109.8906 1442

$e = 30^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	109.8906 1442	175	153.2929 5695
151	111.5255 7347	176	155.1187 8373
152	113.1702 7223	177	156.9497 6264
153	114.8245 5165	178	158.7856 8865
154	116.4882 5029	179	160.6263 5550
155	118.1612 0440	180	162.4715 5577
156	119.8432 4792	181	164.3210 8093
157	121.5342 1258	182	166.1747 2135
158	123.2339 2790	183	168.0322 6643
159	124.9422 2122	184	169.8935 0458
160	126.6589 1779	185	171.7582 2329
161	128.3838 4078	186	173.6262 0921
162	130.1168 1131	187	175.4972 4817
163	131.8576 4854	188	177.3711 2527
164	133.6061 6968	189	179.2476 2489
165	135.3621 9005	190	181.1265 3076
166	137.1255 2310	191	183.0076 2602
167	138.8959 8050	192	184.8906 9328
168	140.6733 7214	193	186.7755 1466
169	142.4575 0622	194	188.6618 7183
170	144.2481 8926	195	190.5495 4611
171	146.0452 2618	196	192.4383 1848
172	147.8484 2031	197	194.3279 6963
173	149.6575 7348	198	196.2182 8007
174	151.4724 8605	199	198.1090 3012
175	153.2929 5695	200	200.0000 0000

$e = 31^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	3.4693 6239
1	0.1162 7071	26	3.6555 5917
2	0.2327 5947	27	3.8472 6911
3	0.3496 8427	28	4.0446 9163
4	0.4672 6300	29	4.2480 2477
5	0.5857 1337	30	4.4574 6510
6	0.7052 5291	31	4.6732 0765
7	0.8260 9884	32	4.8954 4595
8	0.9484 6810	33	5.1243 7190
9	1.0725 7721	34	5.3601 7574
10	1.1986 4229	35	5.6030 4602
11	1.3268 7898	36	5.8531 6957
12	1.4575 0237	37	6.1107 3139
13	1.5907 2696	38	6.3759 1468
14	1.7267 6662	39	6.6489 0074
15	1.8658 3451	40	6.9298 6895
16	2.0081 4306	41	7.2189 9672
17	2.1539 0390	42	7.5164 5944
18	2.3033 2778	43	7.8224 3046
19	2.4566 2459	44	8.1370 8103
20	2.6140 0322	45	8.4605 8023
21	2.7756 7159	46	8.7930 9498
22	2.9418 3654	47	9.1347 8998
23	3.1127 0381	48	9.4858 2766
24	3.2884 7797	49	9.8463 6813
25	3.4693 6239	50	10.2165 6918

$e = 31^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	10.2165 6918	75	23.0204 4267
51	10.5965 8619	76	23.6886 6671
52	10.9865 7214	77	24.3697 9778
53	11.3866 7754	78	25.0639 1456
54	11.7970 5040	79	25.7710 9253
55	12.2178 3621	80	26.4914 0394
56	12.6491 7788	81	27.2249 1780
57	13.0912 1572	82	27.9716 9985
58	13.5440 8739	83	28.7318 1258
59	14.0079 2789	84	29.5053 1516
60	14.4828 6951	85	30.2922 6350
61	14.9690 4180	86	31.0927 1015
62	15.4665 7155	87	31.9067 0436
63	15.9755 8272	88	32.7342 9201
64	16.4961 9646	89	33.5755 1565
65	17.0285 3106	90	34.4304 1445
66	17.5727 0189	91	35.2990 2421
67	18.1288 2144	92	36.1813 7736
68	18.6969 9922	93	37.0775 0291
69	19.2773 4178	94	37.9874 2651
70	19.8699 5266	95	38.9111 7037
71	20.4749 3238	96	39.8487 5331
72	21.0923 7840	97	40.8001 9073
73	21.7223 8512	98	41.7654 9461
74	22.3650 4382	99	42.7446 7351
75	23.0204 4267	100	43.7377 3257

$e = 31^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	43.7377 3257	125	73.0204 4267
101	44.7446 7351	126	74.3650 4382
102	45.7654 9461	127	75.7223 8512
103	46.8001 9073	128	77.0923 7840
104	47.8487 5331	129	78.4749 3238
105	48.9111 7037	130	79.8699 5266
106	49.9874 2651	131	81.2773 4178
107	51.0775 0291	132	82.6969 9922
108	52.1813 7736	133	84.1288 2144
109	53.2990 2421	134	85.5727 0189
110	54.4304 1445	135	87.0285 3106
111	55.5755 1565	136	88.4961 9646
112	56.7342 9201	137	89.9755 8272
113	57.9067 0436	138	91.4665 7155
114	59.0927 1015	139	92.9690 4180
115	60.2922 6350	140	94.4828 6951
116	61.5053 1516	141	96.0079 2789
117	62.7318 1258	142	97.5440 8739
118	63.9716 9985	143	99.0912 1572
119	65.2249 1780	144	100.6491 7788
120	66.4914 0394	145	102.2178 3621
121	67.7710 9253	146	103.7970 5040
122	69.0639 1456	147	105.3866 7754
123	70.3697 9778	148	106.9865 7214
124	71.6886 6671	149	108.5965 8619
125	73.0204 4267	150	110.2165 6918

$e = 31^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	110.2165 6918	175	153.4693 6239
151	111.8463 6813	176	155.2884 7797
152	113.4858 2766	177	157.1127 0381
153	115.1347 8998	178	158.9418 3654
154	116.7930 9498	179	160.7756 7159
155	118.4605 8023	180	162.6140 0322
156	120.1370 8103	181	164.4566 2459
157	121.8224 3046	182	166.3033 2778
158	123.5164 5944	183	168.1539 0390
159	125.2189 9672	184	170.0081 4306
160	126.9298 6895	185	171.8658 3451
161	128.6489 0074	186	173.7267 6662
162	130.3759 1468	187	175.5907 2696
163	132.1107 3139	188	177.4575 0237
164	133.8531 6957	189	179.3268 7898
165	135.6030 4602	190	181.1986 4229
166	137.3601 7574	191	183.0725 7721
167	139.1243 7190	192	184.9484 6810
168	140.8954 4595	193	186.8260 9884
169	142.6732 0765	194	188.7052 5291
170	144.4574 6510	195	190.5857 1337
171	146.2480 2477	196	192.4672 6300
172	148.0446 9163	197	194.3496 8427
173	149.8472 6911	198	196.2327 5947
174	151.6555 5917	199	198.1162 7071
175	153.4693 6239	200	200.0000 0000

$$e = 32^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	3.6510 8019
1	0.1237 2936	26	3.8441 4544
2	0.2476 7492	27	4.0426 7732
3	0.3720 5284	28	4.2468 7357
4	0.4970 7917	29	4.4569 3055
5	0.6229 6979	30	4.6730 4317
6	0.7499 4038	31	4.8954 0483
7	0.8782 0635	32	5.1242 0741
8	1.0079 8277	33	5.3596 4119
9	1.1394 8437	34	5.6018 9482
10	1.2729 2543	35	5.8511 5525
11	1.4085 1977	36	6.1076 0773
12	1.5464 8067	37	6.3714 3570
13	1.6870 2081	38	6.6428 2082
14	1.8303 5226	39	6.9219 4285
15	1.9766 8639	40	7.2089 7966
16	2.1262 3383	41	7.5041 0716
17	2.2792 0441	42	7.8074 9928
18	2.4358 0713	43	8.1193 2788
19	2.5962 5008	44	8.4397 6277
20	2.7607 4041	45	8.7689 7161
21	2.9294 8427	46	9.1071 1992
22	3.1026 8676	47	9.4543 7099
23	3.2805 5187	48	9.8108 8589
24	3.4632 8247	49	10.1768 2337
25	3.6510 8019	50	10.5523 3990

$$e = 32^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	10.5523 3990	75	23.4591 4826
51	10.9375 8955	76	24.1301 7247
52	11.3327 2399	77	24.8139 9478
53	11.7378 9248	78	25.5106 9321
54	12.1532 4177	79	26.2203 4259
55	12.5789 1613	80	26.9430 1456
56	13.0150 5726	81	27.6787 7755
57	13.4618 0427	82	28.4276 9675
58	13.9192 9369	83	29.1898 3412
59	14.3876 5935	84	29.9652 4834
60	14.8670 3245	85	30.7539 9483
61	15.3575 4143	86	31.5561 2570
62	15.8593 1201	87	32.3716 8979
63	16.3724 6710	88	33.2007 3259
64	16.8971 2685	89	34.0432 9630
65	17.4334 0852	90	34.8994 1975
66	17.9814 2654	91	35.7691 3844
67	18.5412 9243	92	36.6524 8452
68	19.1131 1477	93	37.5494 8677
69	19.6969 9922	94	38.4601 7061
70	20.2930 4845	95	39.3845 5807
71	20.9013 6213	96	40.3226 6780
72	21.5220 3689	97	41.2745 1509
73	22.1551 6634	98	42.2401 1180
74	22.8008 4099	99	43.2194 6644
75	23.4591 4826	100	44.2125 8408

$e = 32^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	44.2125 8408	125	73.4591 4826
101	45.2194 6644	126	74.8008 4099
102	46.2401 1180	127	76.1551 6634
103	47.2745 1509	128	77.5220 3689
104	48.3226 6780	129	78.9013 6213
105	49.3845 5807	130	80.2930 4845
106	50.4601 7061	131	81.6969 9922
107	51.5494 8677	132	83.1131 1477
108	52.6524 8452	133	84.5412 9243
109	53.7691 3844	134	85.9814 2654
110	54.8994 1975	135	87.4334 0852
111	56.0432 9630	136	88.8971 2685
112	57.2007 3259	137	90.3724 6710
113	58.3716 8979	138	91.8593 1201
114	59.5561 2570	139	93.3575 4143
115	60.7539 9483	140	94.8670 3245
116	61.9652 4834	141	96.3876 5935
117	63.1898 3412	142	97.9192 9369
118	64.4276 9675	143	99.4618 0427
119	65.6787 7755	144	101.0150 5726
120	66.9430 1456	145	102.5789 1613
121	68.2203 4259	146	104.1532 4177
122	69.5106 9321	147	105.7378 9248
123	70.8139 9478	148	107.3327 2399
124	72.1301 7247	149	108.9375 8955
125	73.4591 4826	150	110.5523 3990

$e = 32^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	110.5523 3990	175	153.6510 8019
151	112.1768 2337	176	155.4632 8247
152	113.8108 8589	177	157.2805 5187
153	115.4543 7099	178	159.1026 8676
154	117.1071 1992	179	160.9294 8427
155	118.7689 7161	180	162.7607 4041
156	120.4397 6277	181	164.5962 5008
157	122.1193 2788	182	166.4358 0713
158	123.8074 9928	183	168.2792 0441
159	125.5041 0716	184	170.1262 3383
160	127.2089 7966	185	171.9766 8639
161	128.9219 4285	186	173.8303 5226
162	130.6428 2082	187	175.6870 2081
163	132.3714 3570	188	177.5464 8067
164	134.1076 0773	189	179.4085 1977
165	135.8511 5525	190	181.2729 2543
166	137.6018 9482	191	183.1394 8437
167	139.3596 4119	192	185.0079 8277
168	141.1242 0741	193	186.8782 0635
169	142.8954 0483	194	188.7499 4038
170	144.6730 4317	195	190.6229 6979
171	146.4569 3055	196	192.4970 7917
172	148.2468 7357	197	194.3720 5284
173	150.0426 7732	198	196.2476 7492
174	151.8441 4544	199	198.1237 2936
175	153.6510 8019	200	200.0000 0000

$e = 33^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	3.8380 6553
1	0.1314 0421	26	4.0381 9834
2	0.2630 2273	27	4.2437 4991
3	0.3950 6982	28	4.4549 1624
4	0.5277 5964	29	4.6718 9197
5	0.6613 0618	30	4.8948 7029
6	0.7959 2323	31	5.1240 4293
7	0.9318 2431	32	5.3596 0007
8	1.0692 2262	33	5.6017 3034
9	1.2083 3100	34	5.8506 2071
10	1.3493 6185	35	6.1064 5653
11	1.4925 2712	36	6.3694 2139
12	1.6380 3822	37	6.6396 9716
13	1.7861 0597	38	6.9174 6387
14	1.9369 4059	39	7.2028 9974
15	2.0907 5158	40	7.4961 8107
16	2.2477 4774	41	7.7974 8222
17	2.4081 3706	42	8.1069 7561
18	2.5721 2671	43	8.4248 3158
19	2.7399 2295	44	8.7512 1847
20	2.9117 3112	45	9.0863 0246
21	3.0877 5557	46	9.4302 4762
22	3.2681 9960	47	9.7832 1582
23	3.4532 6542	48	10.1453 6670
24	3.6431 5410	49	10.5168 5765
25	3.8380 6553	50	10.8978 4374

$e = 33^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	10.8978 4374	75	23.9105 7079
51	11.2884 7770	76	24.5844 7634
52	11.6889 0989	77	25.2710 6791
53	12.0992 8823	78	25.9704 2282
54	12.5197 5821	79	26.6826 1524
55	12.9504 6282	80	27.4077 1620
56	13.3915 4252	81	28.1457 9352
57	13.8431 3523	82	28.8969 1182
58	14.3053 7624	83	29.6611 3252
59	14.7783 9825	84	30.4385 1378
60	15.2623 3127	85	31.2291 1054
61	15.7573 0265	86	32.0329 7446
62	16.2634 3699	87	32.8501 5393
63	16.7808 5614	88	33.6806 9407
64	17.3096 7917	89	34.5246 3669
65	17.8500 2234	90	35.3820 2029
66	18.4019 9906	91	36.2528 8005
67	18.9657 1987	92	37.1372 4785
68	19.5412 9243	93	38.0351 5222
69	20.1288 2144	94	38.9466 1833
70	20.7284 0869	95	39.8716 6805
71	21.3401 5296	96	40.8103 1985
72	21.9641 5006	97	41.7625 8888
73	22.6004 9276	98	42.7284 8692
74	23.2492 7078	99	43.7080 2238
75	23.9105 7079	100	44.7012 0030

$e = 33^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	44.7012 0030	125	73.9105 7079
101	45.7080 2238	126	75.2492 7078
102	46.7284 8692	127	76.6004 9276
103	47.7625 8888	128	77.9641 5006
104	48.8103 1985	129	79.3401 5296
105	49.8716 6805	130	80.7284 0869
106	50.9466 1833	131	82.1288 2144
107	52.0351 5222	132	83.5412 9243
108	53.1372 4785	133	84.9657 1987
109	54.2528 8005	134	86.4019 9906
110	55.3820 2029	135	87.8500 2234
111	56.5246 3669	136	89.3096 7917
112	57.6806 9407	137	90.7808 5614
113	58.8501 5393	138	92.2634 3699
114	60.0329 7446	139	93.7573 0265
115	61.2291 1054	140	95.2623 3127
116	62.4385 1378	141	96.7783 9825
117	63.6611 3252	142	98.3053 7624
118	64.8969 1182	143	99.8431 3523
119	66.1457 9352	144	101.3915 4252
120	67.4077 1620	145	102.9504 6282
121	68.6826 1524	146	104.5197 5821
122	69.9704 2282	147	106.0992 8823
123	71.2710 6791	148	107.6889 0989
124	72.5844 7634	149	109.2884 7770
125	73.9105 7079	150	110.8978 4374

$e = 33^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	110.8978 4374	175	153.8380 6553
151	112.5168 5765	176	155.6431 5410
152	114.1453 6670	177	157.4532 6542
153	115.7832 1582	178	159.2681 9960
154	117.4302 4762	179	161.0877 5557
155	119.0863 0246	180	162.9117 3112
156	120.7512 1847	181	164.7399 2295
157	122.4248 3158	182	166.5721 2671
158	124.1069 7561	183	168.4081 3706
159	125.7974 8222	184	170.2477 4774
160	127.4961 8107	185	172.0907 5158
161	129.2028 9974	186	173.9369 4059
162	130.9174 6387	187	175.7861 0597
163	132.6396 9716	188	177.6380 3822
164	134.3694 2139	189	179.4925 2712
165	136.1064 5653	190	181.3493 6185
166	137.8506 2071	191	183.2083 3100
167	139.6017 3034	192	185.0692 2262
168	141.3596 0007	193	186.9318 2431
169	143.1240 4293	194	188.7959 2323
170	144.8948 7029	195	190.6613 0618
171	146.6718 9197	196	192.5277 5964
172	148.4549 1624	197	194.3950 6982
173	150.2437 4991	198	196.2630 2273
174	152.0381 9834	199	198.1314 0421
175	153.8380 6553	200	200.0000 0000

$e = 34^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	4.0302 7225
1	0.1392 9337	26	4.2376 6999
2	0.2787 9910	27	4.4504 3726
3	0.4187 2952	28	4.6687 6830
4	0.5592 9683	29	4.8928 5598
5	0.7007 1308	30	5.1228 9173
6	0.8431 9011	31	5.3590 6553
7	0.9869 3951	32	5.6015 6585
8	1.1321 7254	33	5.8505 7959
9	1.2791 0010	34	6.1062 9204
10	1.4279 3268	35	6.3688 8685
11	1.5788 8029	36	6.6385 4595
12	1.7321 5243	37	6.9154 4956
13	1.8879 5799	38	7.1997 7608
14	2.0465 0529	39	7.4917 0209
15	2.2080 0194	40	7.7914 0231
16	2.3726 5482	41	8.0990 4951
17	2.5406 7004	42	8.4148 1453
18	2.7122 5289	43	8.7388 6619
19	2.8876 0775	44	9.0713 7128
20	3.0669 3811	45	9.4124 9448
21	3.2504 4645	46	9.7623 9836
22	3.4383 3423	47	10.1212 4333
23	3.6308 0182	48	10.4891 8759
24	3.8280 4847	49	10.8663 8707
25	4.0302 7225	50	11.2529 9545

$$e = 34^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	11.2529 9545	75	24.3745 9886
51	11.6491 6408	76	25.0514 6622
52	12.0550 4194	77	25.7409 0437
53	12.4707 7561	78	26.4429 8994
54	12.8965 0927	79	27.1577 9643
55	13.3323 8460	80	27.8853 9420
56	13.7785 4079	81	28.6258 5047
57	14.2351 1449	82	29.3792 2928
58	14.7022 3979	83	30.1455 9148
59	15.1800 4816	84	30.9249 9472
60	15.6686 6845	85	31.7174 9341
61	16.1682 2683	86	32.5231 3877
62	16.6788 4678	87	33.3419 7875
63	17.2006 4905	88	34.1740 5803
64	17.7337 5162	89	35.0194 1807
65	18.2782 6970	90	35.8780 9700
66	18.8343 1566	91	36.7501 2970
67	19.4019 9906	92	37.6355 4775
68	19.9814 2654	93	38.5343 7941
69	20.5727 0189	94	39.4466 4965
70	21.1759 2595	95	40.3723 8011
71	21.7911 9663	96	41.3115 8912
72	22.4186 0883	97	42.2642 9168
73	23.0582 5451	98	43.2304 9945
74	23.7102 2256	99	44.2102 2078
75	24.3745 9886	100	45.2034 6067

$e = 34^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	45.2034 6067	125	74.3745 9886
101	46.2102 2078	126	75.7102 2256
102	47.2304 9945	127	77.0582 5451
103	48.2642 9168	128	78.4186 0883
104	49.3115 8912	129	79.7911 9663
105	50.3723 8011	130	81.1759 2595
106	51.4466 4965	131	82.5727 0189
107	52.5343 7941	132	83.9814 2654
108	53.6355 4775	133	85.4019 9906
109	54.7501 2970	134	86.8343 1566
110	55.8780 9700	135	88.2782 6970
111	57.0194 1807	136	89.7337 5162
112	58.1740 5803	137	91.2006 4905
113	59.3419 7875	138	92.6788 4678
114	60.5231 3877	139	94.1682 2683
115	61.7174 9341	140	95.6686 6845
116	62.9249 9472	141	97.1800 4816
117	64.1455 9148	142	98.7022 3979
118	65.3792 2928	143	100.2351 1449
119	66.6258 5047	144	101.7785 4079
120	67.8853 9420	145	103.3323 8460
121	69.1577 9643	146	104.8965 0927
122	70.4429 8994	147	106.4707 7561
123	71.7409 0437	148	108.0550 4194
124	73.0514 6622	149	109.6491 6408
125	74.3745 9886	150	111.2529 9545

$e = 34^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	111.2529 9545	175	154.0302 7225
151	112.8663 8707	176	155.8280 4847
152	114.4891 8759	177	157.6308 0182
153	116.1212 4333	178	159.4383 3423
154	117.7623 9836	179	161.2504 4645
155	119.4124 9448	180	163.0669 3811
156	121.0713 7128	181	164.8876 0775
157	122.7388 6619	182	166.7122 5289
158	124.4148 1453	183	168.5406 7004
159	126.0990 4951	184	170.3726 5482
160	127.7914 0231	185	172.2080 0194
161	129.4917 0209	186	174.0465 0529
162	131.1997 7608	187	175.8879 5799
163	132.9154 4956	188	177.7321 5243
164	134.6385 4595	189	179.5788 8029
165	136.3688 8685	190	181.4279 3268
166	138.1062 9204	191	183.2791 0010
167	139.8505 7959	192	185.1321 7254
168	141.6015 6585	193	186.9869 3951
169	143.3590 6553	194	188.8431 9011
170	145.1228 9173	195	190.7007 1308
171	146.8928 5598	196	192.5592 9683
172	148.6687 6830	197	194.4187 2952
173	150.4504 3726	198	196.2787 9910
174	152.2376 6999	199	198.1392 9337
175	154.0302 7225	200	200.0000 0000

$e = 35^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	4.2276 5294
1	0.1473 9490	26	4.4425 1117
2	0.2950 0016	27	4.6626 8838
3	0.4430 2611	28	4.8883 7700
4	0.5916 8296	29	5.1197 6806
5	0.7411 8075	30	5.3570 5122
6	0.8917 2935	31	5.6004 1465
7	1.0435 3833	32	5.8500 4505
8	1.1968 1699	33	6.1061 2756
9	1.3517 7422	34	6.3688 4573
10	1.5086 1855	35	6.6383 8147
11	1.6675 5799	36	6.9149 1502
12	1.8288 0007	37	7.1986 2488
13	1.9925 5175	38	7.4896 8778
14	2.1590 1934	39	7.7882 7864
15	2.3284 0853	40	8.0945 7053
16	2.5009 2424	41	8.4087 3461
17	2.6767 7064	42	8.7309 4009
18	2.8561 5108	43	9.0613 5422
19	3.0392 6805	44	9.4001 4220
20	3.2263 2308	45	9.7474 6718
21	3.4175 1677	46	10.1034 9019
22	3.6130 4868	47	10.4683 7013
23	3.8131 1729	48	10.8422 6370
24	4.0179 1997	49	11.2253 2539
25	4.2276 5294	50	11.6177 0741

$e = 35^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	11.6177 0741	75	24.8511 1800
51	12.0195 5969	76	25.5310 2689
52	12.4310 2981	77	26.2233 8825
53	12.8522 6298	78	26.9282 7798
54	13.2834 0201	79	27.6457 6890
55	13.7245 8724	80	28.3759 3070
56	14.1759 5657	81	29.1188 2996
57	14.6376 4535	82	29.8745 3013
58	15.1097 8641	83	30.6430 9148
59	15.5925 0999	84	31.4245 7112
60	16.0859 4372	85	32.2190 2295
61	16.5902 1258	86	33.0264 9770
62	17.1054 3889	87	33.8470 4287
63	17.6317 4227	88	34.6807 0274
64	18.1692 3958	89	35.5275 1834
65	18.7180 4495	90	36.3875 2748
66	19.2782 6970	91	37.2607 6469
67	19.8500 2234	92	38.1472 6126
68	20.4334 0852	93	39.0470 4519
69	21.0285 3106	94	39.9601 4119
70	21.6354 8983	95	40.8865 7073
71	22.2543 8182	96	41.8263 5194
72	22.8853 0107	97	42.7794 9970
73	23.5283 3863	98	43.7460 2554
74	24.1835 8259	99	44.7259 3775
75	24.8511 1800	100	45.7192 4127

$e = 35^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	45.7192 4127	125	74.8511 1800
101	46.7259 3775	126	76.1835 8259
102	47.7460 2554	127	77.5283 3863
103	48.7794 9970	128	78.8853 0107
104	49.8263 5194	129	80.2543 8182
105	50.8865 7073	130	81.6354 8983
106	51.9601 4119	131	83.0285 3106
107	53.0470 4519	132	84.4334 0852
108	54.1472 6126	133	85.8500 2234
109	55.2607 6469	134	87.2782 6970
110	56.3875 2748	135	88.7180 4495
111	57.5275 1834	136	90.1692 3958
112	58.6807 0274	137	91.6317 4227
113	59.8470 4287	138	93.1054 3889
114	61.0264 9770	139	94.5902 1258
115	62.2190 2295	140	96.0859 4372
116	63.4245 7112	141	97.5925 0999
117	64.6430 9148	142	99.1097 8641
118	65.8745 3013	143	100.6376 4535
119	67.1188 2996	144	102.1759 5657
120	68.3759 3070	145	103.7245 8724
121	69.6457 6890	146	105.2834 0201
122	70.9282 7798	147	106.8522 6298
123	72.2233 8825	148	108.4310 2981
124	73.5310 2689	149	110.0195 5969
125	74.8511 1800	150	111.6177 0741

$e = 35^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	111.6177 0741	175	154.2276 5294
151	113.2253 2539	176	156.0179 1997
152	114.8422 6370	177	157.8131 1729
153	116.4683 7013	178	159.6130 4868
154	118.1034 9019	179	161.4175 1677
155	119.7474 6718	180	163.2263 2308
156	121.4001 4220	181	165.0392 6805
157	123.0613 5422	182	166.8561 5108
158	124.7309 4009	183	168.6767 7064
159	126.4087 3461	184	170.5009 2424
160	128.0945 7053	185	172.3284 0853
161	129.7882 7864	186	174.1590 1934
162	131.4896 8778	187	175.9925 5175
163	133.1986 2488	188	177.8288 0007
164	134.9149 1502	189	179.6675 5799
165	136.6383 8147	190	181.5086 1855
166	138.3688 4573	191	183.3517 7422
167	140.1061 2756	192	185.1968 1699
168	141.8500 4505	193	187.0435 3833
169	143.6004 1465	194	188.8917 2935
170	145.3570 5122	195	190.7411 8075
171	147.1197 6806	196	192.5916 8296
172	148.8883 7700	197	194.4430 2611
173	150.6626 8838	198	196.2950 0016
174	152.4425 1117	199	198.1473 9490
175	154.2276 5294	200	200.0000 0000

$e = 36^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	4.4301 5889
1	0.1557 0680	26	4.6526 7133
2	0.3116 2191	27	4.8804 5090
3	0.4679 5360	28	5.1136 8814
4	0.6249 1004	29	5.3525 7224
5	0.7826 9923	30	5.5972 9099
6	0.9415 2898	31	5.8480 3073
7	1.1016 0683	32	6.1049 7635
8	1.2631 4002	33	6.3683 1118
9	1.4263 3543	34	6.6382 1698
10	1.5913 9953	35	6.9148 7390
11	1.7585 3832	36	7.1984 6039
12	1.9279 5731	37	7.4891 5324
13	2.0998 6142	38	7.7871 2744
14	2.2744 5498	39	8.0925 5622
15	2.4519 4164	40	8.4056 1095
16	2.6325 2435	41	8.7264 6112
17	2.8164 0528	42	9.0552 7430
18	3.0037 8580	43	9.3922 1610
19	3.1948 6641	44	9.7374 5012
20	3.3898 4671	45	10.0911 3791
21	3.5889 2531	46	10.4534 3894
22	3.7922 9983	47	10.8245 1056
23	4.0001 6683	48	11.2045 0793
24	4.2127 2175	49	11.5935 8404
25	4.4301 5889	50	11.9918 8962

$e = 36^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	11.9918 8962	75	25.3400 1062
51	12.3995 7314	76	26.0230 4003
52	12.8167 8073	77	26.7184 0050
53	13.2436 5620	78	27.4261 6721
54	13.6803 4095	79	28.1464 1225
55	14.1269 7397	80	28.8792 0466
56	14.5836 9180	81	29.6246 1036
57	15.0506 2849	82	30.3826 9216
58	15.5279 1555	83	31.1535 0977
59	16.0156 8197	84	31.9371 1972
60	16.5140 5412	85	32.7335 7540
61	17.0231 5578	86	33.5429 2705
62	17.5431 0807	87	34.3652 2169
63	18.0740 2943	88	35.2005 0318
64	18.6160 3560	89	36.0488 1215
65	19.1692 3958	90	36.9101 8604
66	19.7337 5162	91	37.7846 5904
67	20.3096 7917	92	38.6722 6213
68	20.8971 2685	93	39.5730 2304
69	21.4961 9646	94	40.4869 6626
70	22.1069 8692	95	41.4141 1302
71	22.7295 9427	96	42.3544 8130
72	23.3641 1162	97	43.3080 8581
73	24.0106 2915	98	44.2749 3799
74	24.6692 3407	99	45.2550 4603
75	25.3400 1062	100	46.2484 1483

$e = 36^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	46.2484 1483	125	75.3400 1062
101	47.2550 4603	126	76.6692 3407
102	48.2749 3799	127	78.0106 2915
103	49.3080 8581	128	79.3641 1162
104	50.3544 8130	129	80.7295 9427
105	51.4141 1302	130	82.1069 8692
106	52.4869 6626	131	83.4961 9646
107	53.5730 2304	132	84.8971 2685
108	54.6722 6213	133	86.3096 7917
109	55.7846 5904	134	87.7337 5162
110	56.9101 8604	135	89.1692 3958
111	58.0488 1215	136	90.6160 3560
112	59.2005 0318	137	92.0740 2943
113	60.3652 2169	138	93.5431 0807
114	61.5429 2705	139	95.0231 5578
115	62.7335 7540	140	96.5140 5412
116	63.9371 1972	141	98.0156 8197
117	65.1535 0977	142	99.5279 1555
118	66.3826 9216	143	101.0506 2849
119	67.6246 1036	144	102.5836 9180
120	68.8792 0466	145	104.1269 7397
121	70.1464 1225	146	105.6803 4095
122	71.4261 6721	147	107.2436 5620
123	72.7184 0050	148	108.8167 8073
124	74.0230 4003	149	110.3995 7314
125	75.3400 1062	150	111.9918 8962

$e = 36^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	111.9918 8962	175	154.4301 5889
151	113.5935 8404	176	156.2127 2175
152	115.2045 0793	177	158.0001 6683
153	116.8245 1056	178	159.7922 9983
154	118.4534 3894	179	161.5889 2531
155	120.0911 3791	180	163.3898 4671
156	121.7374 5012	181	165.1948 6641
157	123.3922 1610	182	167.0037 8580
158	125.0552 7430	183	168.8164 0528
159	126.7264 6112	184	170.6325 2435
160	128.4056 1095	185	172.4519 4164
161	130.0925 5622	186	174.2744 5498
162	131.7871 2744	187	176.0998 6142
163	133.4891 5324	188	177.9279 5731
164	135.1984 6039	189	179.7585 3832
165	136.9148 7390	190	181.5913 9953
166	138.6382 1698	191	183.4263 3543
167	140.3683 1118	192	185.2631 4002
168	142.1049 7635	193	187.1016 0683
169	143.8480 3073	194	188.9415 2898
170	145.5972 9099	195	190.7826 9923
171	147.3525 7224	196	192.6249 1004
172	149.1136 8814	197	194.4679 5360
173	150.8804 5090	198	196.3116 2191
174	152.6526 7133	199	198.1557 0680
175	154.4301 5889	200	200.0000 0000

$e = 37^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	4.6377 4015
1	0.1642 2701	26	4.8680 9863
2	0.3286 6023	27	5.1036 7109
3	0.4935 0584	28	5.3446 4614
4	0.6589 6988	29	5.5912 1107
5	0.8252 5827	30	5.8435 5176
6	0.9925 7671	31	6.1018 5269
7	1.1611 3067	32	6.3662 9687
8	1.3311 2527	33	6.6370 6578
9	1.5027 6533	34	6.9143 3935
10	1.6762 5521	35	7.1982 9591
11	1.8517 9885	36	7.4891 1211
12	2.0295 9967	37	7.7869 6296
13	2.2098 6054	38	8.0920 2168
14	2.3927 8372	39	8.4044 5975
15	2.5785 7080	40	8.7244 4681
16	2.7674 2269	41	9.0521 5064
17	2.9595 3951	42	9.3877 3713
18	3.1551 2061	43	9.7313 7020
19	3.3543 6446	44	10.0832 1182
20	3.5574 6864	45	10.4434 2189
21	3.7646 2976	46	10.8121 5828
22	3.9760 4346	47	11.1895 7675
23	4.1919 0429	48	11.5758 3090
24	4.4124 0575	49	11.9710 7217
25	4.6377 4015	50	12.3754 4977

$e = 37^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	12.3754 4977	75	25.8411 5610
51	12.7891 1067	76	26.5273 8423
52	13.2121 9953	77	27.2258 1898
53	13.6448 5870	78	27.9365 3477
54	14.0872 2817	79	28.6596 0297
55	14.5394 4551	80	29.3950 9191
56	15.0016 4589	81	30.1430 6686
57	15.4739 6200	82	30.9035 8999
58	15.9565 2404	83	31.6767 2040
59	16.4494 5968	84	32.4625 1405
60	16.9528 9403	85	33.2610 2381
61	17.4669 4961	86	34.0722 9939
62	17.9917 4631	87	34.8963 8736
63	18.5274 0140	88	35.7333 3111
64	19.0740 2943	89	36.5831 7087
65	19.6317 4227	90	37.4459 4371
66	20.2006 4905	91	38.3216 8347
67	20.7808 5614	92	39.2104 2082
68	21.3724 6710	93	40.1121 8321
69	21.9755 8272	94	41.0269 9487
70	22.5903 0090	95	41.9548 7684
71	23.2167 1672	96	42.8958 4689
72	23.8549 2235	97	43.8499 1960
73	24.5050 0706	98	44.8171 0629
74	25.1670 5718	99	45.7974 1507
75	25.8411 5610	100	46.7908 5079

$e = 37^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	46.7908 5079	125	75.8411 5610
101	47.7974 1507	126	77.1670 5718
102	48.8171 0629	127	78.5050 0706
103	49.8499 1960	128	79.8549 2235
104	50.8958 4689	129	81.2167 1672
105	51.9548 7684	130	82.5903 0090
106	53.0269 9487	131	83.9755 8272
107	54.1121 8321	132	85.3724 6710
108	55.2104 2082	133	86.7808 5614
109	56.3216 8347	134	88.2006 4905
110	57.4459 4371	135	89.6317 4227
111	58.5831 7087	136	91.0740 2943
112	59.7333 3111	137	92.5274 0140
113	60.8963 8736	138	93.9917 4631
114	62.0722 9939	139	95.4669 4961
115	63.2610 2381	140	96.9528 9403
116	64.4625 1405	141	98.4494 5968
117	65.6767 2040	142	99.9565 2404
118	66.9035 8999	143	101.4739 6200
119	68.1430 6686	144	103.0016 4589
120	69.3950 9191	145	104.5394 4551
121	70.6596 0297	146	106.0872 2817
122	71.9365 3477	147	107.6448 5870
123	73.2258 1898	148	109.2121 9953
124	74.5273 8423	149	110.7891 1067
125	75.8411 5610	150	112.3754 4977

$e = 37^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	112.3754 4977	175	154.6377 4015
151	113.9710 7217	176	156.4124 0575
152	115.5758 3090	177	158.1919 0429
153	117.1895 7675	178	159.9760 4346
154	118.8121 5828	179	161.7646 2976
155	120.4434 2189	180	163.5574 6864
156	122.0832 1182	181	165.3543 6446
157	123.7313 7020	182	167.1551 2061
158	125.3877 3713	183	168.9595 3951
159	127.0521 5064	184	170.7674 2269
160	128.7244 4681	185	172.5785 7080
161	130.4044 5975	186	174.3927 8372
162	132.0920 2168	187	176.2098 6054
163	133.7869 6296	188	178.0295 9967
164	135.4891 1211	189	179.8517 9885
165	137.1982 9591	190	181.6762 5521
166	138.9143 3935	191	183.5027 6533
167	140.6370 6578	192	185.3311 2527
168	142.3662 9687	193	187.1611 3067
169	144.1018 5269	194	188.9925 7671
170	145.8435 5176	195	190.8252 5827
171	147.5912 1107	196	192.6589 6988
172	149.3446 4614	197	194.4935 0584
173	151.1036 7109	198	196.3286 6023
174	152.8680 9863	199	198.1642 2701
175	154.6377 4015	200	200.0000 0000

$e = 38^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	4.8503 4548
1	0.1729 5344	26	5.0887 3991
2	0.3461 1094	27	5.3322 9387
3	0.5196 7651	28	5.5811 9401
4	0.6938 5406	29	5.8356 2566
5	0.8688 4736	30	6.0957 7277
6	1.0448 5995	31	6.3618 1789
7	1.2220 9516	32	6.6339 4212
8	1.4007 5597	33	6.9123 2504
9	1.5810 4505	34	7.1971 4470
10	1.7631 6465	35	7.4885 7757
11	1.9473 1656	36	7.7867 9847
12	2.1337 0208	37	8.0919 8055
13	2.3225 2197	38	8.4042 9526
14	2.5139 7636	39	8.7239 1226
15	2.7082 6476	40	9.0509 9944
16	2.9055 8596	41	9.3857 2281
17	3.1061 3802	42	9.7282 4654
18	3.3101 1817	43	10.0787 3284
19	3.5177 2283	44	10.4373 4197
20	3.7291 4752	45	10.8042 3218
21	3.9445 8679	46	11.1795 5969
22	4.1642 3423	47	11.5634 7862
23	4.3882 8238	48	11.9561 4098
24	4.6169 2269	49	12.3576 9663
25	4.8503 4548	50	12.7682 9321

$e = 38^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	12.7682 9321	75	26.3544 3079
51	13.1880 7616	76	27.0439 3506
52	13.6171 8864	77	27.7455 1850
53	14.0557 7150	78	28.4592 5475
54	14.5039 6327	79	29.1852 1443
55	14.9619 0009	80	29.9234 6517
56	15.4297 1571	81	30.6740 7155
57	15.9075 4145	82	31.4370 9509
58	16.3955 0614	83	32.2125 9428
59	16.8937 3611	84	33.0006 2449
60	17.4023 5517	85	33.8012 3804
61	17.9214 8456	86	34.6144 8412
62	18.4512 4293	87	35.4404 0881
63	18.9917 4631	88	36.2790 5505
64	19.5431 0807	89	37.1304 6266
65	20.1054 3889	90	37.9946 6831
66	20.6788 4678	91	38.8717 0549
67	21.2634 3699	92	39.7616 0455
68	21.8593 1201	93	40.6643 9265
69	22.4665 7155	94	41.5800 9378
70	23.0853 1252	95	42.5087 2874
71	23.7156 2898	96	43.4503 1513
72	24.3576 1216	97	44.4048 6737
73	25.0113 5038	98	45.3723 9667
74	25.6769 2909	99	46.3529 1105
75	26.3544 3079	100	47.3464 1531

$e = 38^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	47.3464 1531	125	76.3544 3079
101	48.3529 1105	126	77.6769 2909
102	49.3723 9667	127	79.0113 5038
103	50.4048 6737	128	80.3576 1216
104	51.4503 1513	129	81.7156 2898
105	52.5087 2874	130	83.0853 1252
106	53.5800 9378	131	84.4665 7155
107	54.6643 9265	132	85.8593 1201
108	55.7616 0455	133	87.2634 3699
109	56.8717 0549	134	88.6788 4678
110	57.9946 6831	135	90.1054 3889
111	59.1304 6266	136	91.5431 0807
112	60.2790 5505	137	92.9917 4631
113	61.4404 0881	138	94.4512 4293
114	62.6144 8412	139	95.9214 8456
115	63.8012 3804	140	97.4023 5517
116	65.0006 2449	141	98.8937 3611
117	66.2125 9428	142	100.3955 0614
118	67.4370 9509	143	101.9075 4145
119	68.6740 7155	144	103.4297 1571
120	69.9234 6517	145	104.9619 0009
121	71.1852 1443	146	106.5039 6327
122	72.4592 5475	147	108.0557 7150
123	73.7455 1850	148	109.6171 8864
124	75.0439 3506	149	111.1880 7616
125	76.3544 3079	150	112.7682 9321

$e = 38^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	112.7682 9321	175	154.8503 4548
151	114.3576 9663	176	156.6169 2269
152	115.9561 4098	177	158.3882 8238
153	117.5634 7862	178	160.1642 3423
154	119.1795 5969	179	161.9445 8679
155	120.8042 3218	180	163.7291 4752
156	122.4373 4197	181	165.5177 2283
157	124.0787 3284	182	167.3101 1817
158	125.7282 4654	183	169.1061 3802
159	127.3857 2281	184	170.9055 8596
160	129.0509 9944	185	172.7082 6476
161	130.7239 1226	186	174.5139 7636
162	132.4042 9526	187	176.3225 2197
163	134.0919 8055	188	178.1337 0208
164	135.7867 9847	189	179.9473 1656
165	137.4885 7757	190	181.7631 6465
166	139.1971 4470	191	183.5810 4505
167	140.9123 2504	192	185.4007 5597
168	142.6339 4212	193	187.2220 9516
169	144.3618 1789	194	189.0448 5995
170	146.0957 7277	195	190.8688 4736
171	147.8356 2566	196	192.6938 5406
172	149.5811 9401	197	194.5196 7651
173	151.3322 9387	198	196.3461 1094
174	153.0887 3991	199	198.1729 5344
175	154.8503 4548	200	200.0000 0000

$e = 39^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	5.0679 2245
1	0.1818 8393	26	5.3145 4072
2	0.3639 6971	27	5.5662 6283
3	0.5464 5916	28	5.8232 7338
4	0.7295 5399	29	6.0857 5572
5	0.9134 5575	30	6.3538 9180
6	1.0983 6580	31	6.6278 6220
7	1.2844 8526	32	6.9078 4606
8	1.4720 1493	33	7.1940 2104
9	1.6611 5529	34	7.4865 6326
10	1.8521 0640	35	7.7856 4727
11	2.0450 6788	36	8.0914 4601
12	2.2402 3885	37	8.4041 3077
13	2.4378 1790	38	8.7238 7114
14	2.6380 0301	39	9.0508 3495
15	2.8409 9153	40	9.3851 8827
16	3.0469 8009	41	9.7270 9534
17	3.2561 6462	42	10.0767 1853
18	3.4687 4024	43	10.4342 1831
19	3.6849 0123	44	10.7997 5321
20	3.9048 4098	45	11.1734 7977
21	4.1287 5198	46	11.5555 5252
22	4.3568 2571	47	11.9461 2393
23	4.5892 5262	48	12.3453 4435
24	4.8262 2211	49	12.7533 6203
25	5.0679 2245	50	13.1703 2302

$e = 39^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	13.1703 2302	75	26.8797 0805
51	13.5963 7118	76	27.5725 6506
52	14.0316 4813	77	28.2773 7082
53	14.4762 9320	78	28.9941 9816
54	14.9304 4342	79	29.7231 1695
55	15.3942 3347	80	30.4641 9407
56	15.8677 9565	81	31.2174 9341
57	16.3512 5985	82	31.9830 7583
58	16.8447 5351	83	32.7609 9919
59	17.3484 0162	84	33.5513 1827
60	17.8623 2664	85	34.3540 8480
61	18.3866 4850	86	35.1693 4746
62	18.9214 8456	87	35.9971 5182
63	19.4669 4961	88	36.8375 4037
64	20.0231 5578	89	37.6905 5249
65	20.5902 1258	90	38.5562 2445
66	21.1682 2683	91	39.4345 8939
67	21.7573 0265	92	40.3256 7732
68	22.3575 4143	93	41.2295 1512
69	22.9690 4180	94	42.1461 2651
70	23.5918 9963	95	43.0755 3207
71	24.2262 0795	96	44.0177 4922
72	24.8720 5702	97	44.9727 9221
73	25.5295 3419	98	45.9406 7213
74	26.1987 2399	99	46.9213 9691
75	26.8797 0805	100	47.9149 7131

$e = 39^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	47.9149 7131	125	76.8797 0805
101	48.9213 9691	126	78.1987 2399
102	49.9406 7213	127	79.5295 3419
103	50.9727 9221	128	80.8720 5702
104	52.0177 4922	129	82.2262 0795
105	53.0755 3207	130	83.5918 9963
106	54.1461 2651	131	84.9690 4180
107	55.2295 1512	132	86.3575 4143
108	56.3256 7732	133	87.7573 0265
109	57.4345 8939	134	89.1682 2683
110	58.5562 2445	135	90.5902 1258
111	59.6905 5249	136	92.0231 5578
112	60.8375 4037	137	93.4669 4961
113	61.9971 5182	138	94.9214 8456
114	63.1693 4746	139	96.3866 4850
115	64.3540 8480	140	97.8623 2664
116	65.5513 1827	141	99.3484 0162
117	66.7609 9919	142	100.8447 5351
118	67.9830 7583	143	102.3512 5985
119	69.2174 9341	144	103.8677 9565
120	70.4641 9407	145	105.3942 3347
121	71.7231 1695	146	106.9304 4342
122	72.9941 9816	147	108.4762 9320
123	74.2773 7082	148	110.0316 4813
124	75.5725 6506	149	111.5963 7118
125	76.8797 0805	150	113.1703 2302

$e = 39^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	113.1703 2302	175	155.0679 2245
151	114.7533 6203	176	156.8262 2211
152	116.3453 4435	177	158.5892 5262
153	117.9461 2393	178	160.3568 2571
154	119.5555 5252	179	162.1287 5198
155	121.1734 7977	180	163.9048 4098
156	122.7997 5321	181	165.6849 0123
157	124.4342 1831	182	167.4687 4024
158	126.0767 1853	183	169.2561 6462
159	127.7270 9534	184	171.0469 8009
160	129.3851 8827	185	172.8409 9153
161	131.0508 3495	186	174.6380 0301
162	132.7238 7114	187	176.4378 1790
163	134.4041 3077	188	178.2402 3885
164	136.0914 4601	189	180.0450 6788
165	137.7856 4727	190	181.8521 0640
166	139.4865 6326	191	183.6611 5529
167	141.1940 2104	192	185.4720 1493
168	142.9078 4606	193	187.2844 8526
169	144.6278 6220	194	189.0983 6580
170	146.3538 9180	195	190.9134 5575
171	148.0857 5572	196	192.7295 5399
172	149.8232 7338	197	194.5464 5916
173	151.5662 6283	198	196.3639 6971
174	153.3145 4072	199	198.1818 8393
175	155.0679 2245	200	200.0000 0000

$e = 40^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	5.2904 1735
1	0.1910 1627	26	5.5454 4537
2	0.3822 3215	27	5.8055 2024
3	0.5738 4719	28	6.0708 2453
4	0.7660 6085	29	6.3415 3952
5	0.9590 7243	30	6.6178 4515
6	1.1530 8105	31	6.8999 1997
7	1.3482 8558	32	7.1879 4112
8	1.5448 8458	33	7.4820 8428
9	1.7430 7628	34	7.7825 2361
10	1.9430 5853	35	8.0894 3170
11	2.1450 2870	36	8.4029 7957
12	2.3491 8370	37	8.7233 3660
13	2.5557 1990	38	9.0506 7047
14	2.7648 3307	39	9.3851 4715
15	2.9767 1834	40	9.7269 3085
16	3.1915 7019	41	10.0761 8399
17	3.4095 8232	42	10.4330 6711
18	3.6309 4768	43	10.7977 3889
19	3.8558 5839	44	11.1703 5611
20	4.0845 0569	45	11.5510 7355
21	4.3170 7990	46	11.9400 4401
22	4.5537 7037	47	12.3374 1825
23	4.7947 6544	48	12.7433 4497
24	5.0402 5238	49	13.1579 7074
25	5.2904 1735	50	13.5814 4000

$e = 40^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	13.5814 4000	75	27.4168 5826
51	14.0138 9499	76	28.1131 4381
52	14.4554 7574	77	28.8212 4472
53	14.9063 2005	78	29.5412 3302
54	15.3665 6340	79	30.2731 7779
55	15.8363 3898	80	31.0171 4518
56	16.3157 7760	81	31.7731 9835
57	16.8050 0771	82	32.5413 9750
58	17.3041 5533	83	33.3217 9982
59	17.8133 4405	84	34.1144 5950
60	18.3326 9495	85	34.9194 2768
61	18.8623 2664	86	35.7367 5250
62	19.4023 5517	87	36.5664 7902
63	19.9528 9403	88	37.4086 4925
64	20.5140 5412	89	38.2633 0215
65	21.0859 4372	90	39.1304 7357
66	21.6686 6845	91	40.0101 9628
67	22.2623 3127	92	40.9024 9996
68	22.8670 3245	93	41.8074 1118
69	23.4828 6951	94	42.7249 5342
70	24.1099 3724	95	43.6551 4700
71	24.7483 2766	96	44.5980 0915
72	25.3981 2998	97	45.5535 5398
73	26.0594 3062	98	46.5217 9245
74	26.7323 1315	99	47.5027 3239
75	27.4168 5826	100	48.4963 7852

$e = 40^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	48.4963 7852	125	77.4168 5826
101	49.5027 3239	126	78.7323 1315
102	50.5217 9245	127	80.0594 3062
103	51.5535 5398	128	81.3981 2998
104	52.5980 0915	129	82.7483 2766
105	53.6551 4700	130	84.1099 3724
106	54.7249 5342	131	85.4828 6951
107	55.8074 1118	132	86.8670 3245
108	56.9024 9996	133	88.2623 3127
109	58.0101 9628	134	89.6686 6845
110	59.1304 7357	135	91.0859 4372
111	60.2633 0215	136	92.5140 5412
112	61.4086 4925	137	93.9528 9403
113	62.5664 7902	138	95.4023 5517
114	63.7367 5250	139	96.8623 2664
115	64.9194 2768	140	98.3326 9495
116	66.1144 5950	141	99.8133 4405
117	67.3217 9982	142	101.3041 5533
118	68.5413 9750	143	102.8050 0771
119	69.7731 9835	144	104.3157 7760
120	71.0171 4518	145	105.8363 3898
121	72.2731 7779	146	107.3665 6340
122	73.5412 3302	147	108.9063 2005
123	74.8212 4472	148	110.4554 7574
124	76.1131 4381	149	112.0138 9499
125	77.4168 5826	150	113.5814 4000

$e = 40^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	113.5814 4000	175	155.2904 1735
151	115.1579 7074	176	157.0402 5238
152	116.7433 4497	177	158.7947 6544
153	118.3374 1825	178	160.5537 7037
154	119.9400 4401	179	162.3170 7990
155	121.5510 7355	180	164.0845 0569
156	123.1703 5611	181	165.8558 5839
157	124.7977 3889	182	167.6309 4768
158	126.4330 6711	183	169.4095 8232
159	128.0761 8399	184	171.1915 7019
160	129.7269 3085	185	172.9767 1834
161	131.3851 4715	186	174.7648 3307
162	133.0506 7047	187	176.5557 1990
163	134.7233 3660	188	178.3491 8370
164	136.4029 7957	189	180.1450 2870
165	138.0894 3170	190	181.9430 5853
166	139.7825 2361	191	183.7430 7628
167	141.4820 8428	192	185.5448 8458
168	143.1879 4112	193	187.3482 8558
169	144.8999 1997	194	189.1530 8105
170	146.6178 4515	195	190.9590 7243
171	148.3415 3952	196	192.7660 6085
172	150.0708 2453	197	194.5738 4719
173	151.8055 2024	198	196.3822 3215
174	153.5454 4537	199	198.1910 1627
175	155.2904 1735	200	200.0000 0000

$e = 41^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	5.5177 7530
1	0.2003 4823	26	5.7813 9687
2	0.4008 9376	27	6.0500 0708
3	0.6018 3384	28	6.3237 8638
4	0.8033 6564	29	6.6029 1396
5	1.0056 8615	30	6.8875 6769
6	1.2089 9221	31	7.1779 2407
7	1.4134 8037	32	7.4741 5818
8	1.6193 4693	33	7.7764 4369
9	1.8267 8781	34	8.0849 5272
10	2.0359 9858	35	8.3998 5591
11	2.2471 7435	36	8.7213 2228
12	2.4605 0974	37	9.0495 1926
13	2.6761 9886	38	9.3846 1261
14	2.8944 3523	39	9.7267 6637
15	3.1154 1173	40	10.0761 4286
16	3.3393 2057	41	10.4329 0262
17	3.5663 5324	42	10.7972 0435
18	3.7967 0047	43	11.1692 0491
19	4.0305 5214	44	11.5490 5923
20	4.2680 9731	45	11.9369 2035
21	4.5095 2408	46	12.3329 3928
22	4.7550 1964	47	12.7372 6505
23	5.0047 7013	48	13.1500 4464
24	5.2589 6068	49	13.5714 2294
25	5.5177 7530	50	14.0015 4271

$e = 41^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	14.0015 4271	75	27.9657 4891
51	14.4405 4456	76	28.6655 3792
52	14.8885 6691	77	29.3770 0601
53	15.3457 4594	78	30.1002 2435
54	15.8122 1561	79	30.8352 6125
55	16.2881 0753	80	31.5821 8208
56	16.7735 5104	81	32.3410 4928
57	17.2686 7309	82	33.1119 2234
58	17.7735 9824	83	33.8948 5781
59	18.2884 4866	84	34.6899 0924
60	18.8133 4405	85	35.4971 2719
61	19.3484 0162	86	36.3165 5924
62	19.8937 3611	87	37.1482 4993
63	20.4494 5968	88	37.9922 4080
64	21.0156 8197	89	38.8485 7033
65	21.5925 0999	90	39.7172 7398
66	22.1800 4816	91	40.5983 8414
67	22.7783 9825	92	41.4919 3014
68	23.3876 5935	93	42.3979 3825
69	24.0079 2789	94	43.3164 3167
70	24.6392 9754	95	44.2474 3049
71	25.2818 5927	96	45.1909 5176
72	25.9357 0127	97	46.1470 0939
73	26.6009 0894	98	47.1156 1424
74	27.2775 6490	99	48.0967 7405
75	27.9657 4891	100	49.0904 9347

$e = 41^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	49.0904 9347	125	77.9657 4891
101	50.0967 7405	126	79.2775 6490
102	51.1156 1424	127	80.6009 0894
103	52.1470 0939	128	81.9357 0127
104	53.1909 5176	129	83.2818 5927
105	54.2474 3049	130	84.6392 9754
106	55.3164 3167	131	86.0079 2789
107	56.3979 3825	132	87.3876 5935
108	57.4919 3014	133	88.7783 9825
109	58.5983 8414	134	90.1800 4816
110	59.7172 7398	135	91.5925 0999
111	60.8485 7033	136	93.0156 8197
112	61.9922 4080	137	94.4494 5968
113	63.1482 4993	138	95.8937 3611
114	64.3165 5924	139	97.3484 0162
115	65.4971 2719	140	98.8133 4405
116	66.6899 0924	141	100.2884 4866
117	67.8948 5781	142	101.7735 9824
118	69.1119 2234	143	103.2686 7309
119	70.3410 4928	144	104.7735 5104
120	71.5821 8208	145	106.2881 0753
121	72.8352 6125	146	107.8122 1561
122	74.1002 2435	147	109.3457 4594
123	75.3770 0601	148	110.8885 6691
124	76.6655 3792	149	112.4405 4456
125	77.9657 4891	150	114.0015 4271

$e = 41^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	114.0015 4271	175	155.5177 7530
151	115.5714 2294	176	157.2589 6068
152	117.1500 4464	177	159.0047 7013
153	118.7372 6505	178	160.7550 1964
154	120.3329 3928	179	162.5095 2408
155	121.9369 2035	180	164.2680 9731
156	123.5490 5923	181	166.0305 5214
157	125.1692 0491	182	167.7967 0047
158	126.7972 0435	183	169.5663 5324
159	128.4329 0262	184	171.3393 2057
160	130.0761 4286	185	173.1154 1173
161	131.7267 6637	186	174.8944 3523
162	133.3846 1261	187	176.6761 9886
163	135.0495 1926	188	178.4605 0974
164	136.7213 2228	189	180.2471 7435
165	138.3998 5591	190	182.0359 9858
166	140.0849 5272	191	183.8267 8781
167	141.7764 4369	192	185.6193 4693
168	143.4741 5818	193	187.4134 8037
169	145.1779 2407	194	189.2089 9221
170	146.8875 6769	195	191.0056 8615
171	148.6029 1396	196	192.8033 6564
172	150.3237 8638	197	194.6018 3384
173	152.0500 0708	198	196.4008 9376
174	153.7813 9687	199	198.2003 4823
175	155.5177 7530	200	200.0000 0000

$$e = 42^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	5.7499 4020
1	0.2098 7748	26	6.0223 3701
2	0.4199 4991	27	6.2996 6301
3	0.6304 1220	28	6.5820 9650
4	0.8414 5914	29	6.8698 1455
5	1.0532 8541	30	7.1629 9288
6	1.2660 8547	31	7.4618 0591
7	1.4800 5356	32	7.7664 2663
8	1.6953 8361	33	8.0770 2663
9	1.9122 6923	34	8.3937 7599
10	2.1309 0363	35	8.7168 4331
11	2.3514 7963	36	9.0463 9560
12	2.5741 8951	37	9.3825 9829
13	2.7992 2507	38	9.7256 1517
14	3.0267 7752	39	10.0756 0832
15	3.2570 3745	40	10.4327 3814
16	3.4901 9478	41	10.7971 6323
17	3.7264 3872	42	11.1690 4042
18	3.9659 5771	43	11.5485 2469
19	4.2089 3939	44	11.9357 6914
20	4.4555 7054	45	12.3309 2496
21	4.7060 3705	46	12.7341 4139
22	4.9605 2384	47	13.1455 6567
23	5.2192 1488	48	13.5653 4302
24	5.4822 9306	49	13.9936 1661
25	5.7499 4020	50	14.4305 2750

$$e = 42^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	14.4305 2750	75	28.5262 4456
51	14.8762 1463	76	29.2296 1111
52	15.3308 1476	77	29.9445 1756
53	15.7944 6246	78	30.6710 3424
54	16.2672 9007	79	31.4092 2864
55	16.7494 2767	80	32.1591 6535
56	17.2410 0302	81	32.9209 0607
57	17.7421 4157	82	33.6945 0958
58	18.2529 6641	83	34.4800 3176
59	18.7735 9824	84	35.2775 2551
60	19.3041 5533	85	36.0870 4080
61	19.8447 5351	86	36.9086 2463
62	20.3955 0614	87	37.7423 2102
63	20.9565 2404	88	38.5881 7101
64	21.5279 1555	89	39.4462 1263
65	22.1097 8641	90	40.3164 8090
66	22.7022 3979	91	41.1990 0784
67	23.3053 7624	92	42.0938 2243
68	23.9192 9369	93	43.0009 5062
69	24.5440 8739	94	43.9204 1533
70	25.1798 4992	95	44.8522 3643
71	25.8266 7115	96	45.7964 3073
72	26.4846 3823	97	46.7530 1202
73	27.1538 3554	98	47.7219 9100
74	27.8343 4470	99	48.7033 7532
75	28.5262 4456	100	49.6971 6959

$e = 42^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	49.6971 6959	125	78.5262 4456
101	50.7033 7532	126	79.8343 4470
102	51.7219 9100	127	81.1538 3554
103	52.7530 1202	128	82.4846 3823
104	53.7964 3073	129	83.8266 7115
105	54.8522 3643	130	85.1798 4992
106	55.9204 1533	131	86.5440 8739
107	57.0009 5062	132	87.9192 9369
108	58.0938 2243	133	89.3053 7624
109	59.1990 0784	134	90.7022 3979
110	60.3164 8090	135	92.1097 8641
111	61.4462 1263	136	93.5279 1555
112	62.5881 7101	137	94.9565 2404
113	63.7423 2102	138	96.3955 0614
114	64.9086 2463	139	97.8447 5351
115	66.0870 4080	140	99.3041 5533
116	67.2775 2551	141	100.7735 9824
117	68.4800 3176	142	102.2529 6641
118	69.6945 0958	143	103.7421 4157
119	70.9209 0607	144	105.2410 0302
120	72.1591 6535	145	106.7494 2767
121	73.4092 2864	146	108.2672 9007
122	74.6710 3424	147	109.7944 6246
123	75.9445 1756	148	111.3308 1476
124	77.2296 1111	149	112.8762 1463
125	78.5262 4456	150	114.4305 2750

$e = 42^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	114.4305 2750	175	155.7499 4020
151	115.9936 1661	176	157.4822 9306
152	117.5653 4302	177	159.2192 1488
153	119.1455 6567	178	160.9605 2384
154	120.7341 4139	179	162.7060 3705
155	122.3309 2496	180	164.4555 7054
156	123.9357 6914	181	166.2089 3939
157	125.5485 2469	182	167.9659 5771
158	127.1690 4042	183	169.7264 3872
159	128.7971 6323	184	171.4901 9478
160	130.4327 3814	185	173.2570 3745
161	132.0756 0832	186	175.0267 7752
162	133.7256 1517	187	176.7992 2507
163	135.3825 9829	188	178.5741 8951
164	137.0463 9560	189	180.3514 7963
165	138.7168 4331	190	182.1309 0363
166	140.3937 7599	191	183.9122 6923
167	142.0770 2663	192	185.6953 8361
168	143.7664 2663	193	187.4800 5356
169	145.4618 0591	194	189.2660 8547
170	147.1629 9288	195	191.0532 8541
171	148.8698 1455	196	192.8414 5914
172	150.5820 9650	197	194.6304 1220
173	152.2996 6301	198	196.4199 4991
174	154.0223 3701	199	198.2098 7748
175	155.7499 4020	200	200.0000 0000

$e = 43^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	5.9868 5476
1	0.2196 0169	26	6.2682 0634
2	0.4393 9592	27	6.5544 2644
3	0.6595 7522	28	6.8456 9118
4	0.8803 3198	29	7.1421 7543
5	1.1018 5847	30	7.4440 5277
6	1.3243 4676	31	7.7514 9545
7	1.5479 8871	32	8.0646 7435
8	1.7729 7586	33	8.3837 5894
9	1.9994 9943	34	8.7089 1721
10	2.2277 5027	35	9.0403 1568
11	2.4579 1880	36	9.3781 1932
12	2.6901 9496	37	9.7224 9150
13	2.9247 6817	38	10.0735 9401
14	3.1618 2730	39	10.4315 8693
15	3.4015 6058	40	10.7966 2869
16	3.6441 5560	41	11.1688 7594
17	3.8897 9925	42	11.5484 8357
18	4.1386 7764	43	11.9356 0466
19	4.3909 7610	44	12.3303 9042
20	4.6468 7912	45	12.7329 9019
21	4.9065 7030	46	13.1435 5135
22	5.1702 3228	47	13.5622 1936
23	5.4380 4677	48	13.9891 3764
24	5.7101 9440	49	14.4244 4758
25	5.9868 5476	50	14.8682 8853

$e = 43^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	14.8682 8853	75	29.0982 0690
51	15.3207 9770	76	29.8052 2419
52	15.7821 1019	77	30.5236 3934
53	16.2523 5889	78	31.2535 2184
54	16.7316 7452	79	31.9949 3834
55	17.2201 8556	80	32.7479 5263
56	17.7180 1820	81	33.5126 2566
57	18.2252 9635	82	34.2890 1548
58	18.7421 4157	83	35.0771 7728
59	19.2686 7309	84	35.8771 6332
60	19.8050 0771	85	36.6890 2294
61	20.3512 5985	86	37.5128 0258
62	20.9075 4145	87	38.3485 4571
63	21.4739 6200	88	39.1962 9285
64	22.0506 2849	89	40.0560 8158
65	22.6376 4535	90	40.9279 4649
66	23.2351 1449	91	41.8119 1920
67	23.8431 3523	92	42.7080 2833
68	24.4618 0427	93	43.6162 9951
69	25.0912 1572	94	44.5367 5538
70	25.7314 6100	95	45.4694 1557
71	26.3826 2887	96	46.4142 9669
72	27.0448 0542	97	47.3714 1234
73	27.7180 7399	98	48.3407 7310
74	28.4025 1520	99	49.3223 8653
75	29.0982 0690	100	50.3162 5717

$e = 43^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	50.3162 5717	125	79.0982 0690
101	51.3223 8653	126	80.4025 1520
102	52.3407 7310	127	81.7180 7399
103	53.3714 1234	128	83.0448 0542
104	54.4142 9669	129	84.3826 2887
105	55.4694 1557	130	85.7314 6100
106	56.5367 5538	131	87.0912 1572
107	57.6162 9951	132	88.4618 0427
108	58.7080 2833	133	89.8431 3523
109	59.8119 1920	134	91.2351 1449
110	60.9279 4649	135	92.6376 4535
111	62.0560 8158	136	94.0506 2849
112	63.1962 9285	137	95.4739 6200
113	64.3485 4571	138	96.9075 4145
114	65.5128 0258	139	98.3512 5985
115	66.6890 2294	140	99.8050 0771
116	67.8771 6332	141	101.2686 7309
117	69.0771 7728	142	102.7421 4157
118	70.2890 1548	143	104.2252 9635
119	71.5126 2566	144	105.7180 1820
120	72.7479 5263	145	107.2201 8556
121	73.9949 3834	146	108.7316 7452
122	75.2535 2184	147	110.2523 5889
123	76.5236 3934	148	111.7821 1019
124	77.8052 2419	149	113.3207 9770
125	79.0982 0690	150	114.8682 8853

$e = 43^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	114.8682 8853	175	155.9868 5476
151	116.4244 4758	176	157.7101 9440
152	117.9891 3764	177	159.4380 4677
153	119.5622 1936	178	161.1702 3228
154	121.1435 5135	179	162.9065 7030
155	122.7329 9019	180	164.6468 7912
156	124.3303 9042	181	166.3909 7610
157	125.9356 0466	182	168.1386 7764
158	127.5484 8357	183	169.8897 9925
159	129.1688 7594	184	171.6441 5560
160	130.7966 2869	185	173.4015 6058
161	132.4315 8693	186	175.1618 2730
162	134.0735 9401	187	176.9247 6817
163	135.7224 9150	188	178.6901 9496
164	137.3781 1932	189	180.4579 1880
165	139.0403 1568	190	182.2277 5027
166	140.7089 1721	191	183.9994 9943
167	142.3837 5894	192	185.7729 7586
168	144.0646 7435	193	187.5479 8871
169	145.7514 9545	194	189.3243 4676
170	147.4440 5277	195	191.1018 5847
171	149.1421 7543	196	192.8803 3198
172	150.8456 9118	197	194.6595 7522
173	152.5544 2644	198	196.4393 9592
174	154.2682 0634	199	198.2196 0169
175	155.9868 5476	200	200.0000 0000

$$e = 44^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	6.2284 6053
1	0.2295 1844	26	6.5189 4419
2	0.4592 2699	27	6.8142 3451
3	0.6893 1570	28	7.1145 0536
4	0.9199 7454	29	7.4199 2939
5	1.1513 9333	30	7.7306 7799
6	1.3837 6170	31	8.0469 2121
7	1.6172 6906	32	8.3688 2775
8	1.8521 0453	33	8.6965 6494
9	2.0884 5690	34	9.0302 9863
10	2.3265 1459	35	9.3701 9322
11	2.5664 6560	36	9.7164 1159
12	2.8084 9746	37	10.0691 1503
13	3.0527 9718	38	10.4284 6327
14	3.2995 5122	39	10.7946 1437
15	3.5489 4545	40	11.1677 2473
16	3.8011 6504	41	11.5479 4903
17	4.0563 9452	42	11.9354 4017
18	4.3148 1764	43	12.3303 4930
19	4.5766 1737	44	12.7328 2570
20	4.8419 7586	45	13.1430 1681
21	5.1110 7436	46	13.5610 6816
22	5.3840 9322	47	13.9871 2332
23	5.6612 1180	48	14.4213 2392
24	5.9426 0847	49	14.8638 0956
25	6.2284 6053	50	15.3147 1779

$$e = 44^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	15.3147 1779	75	29.6814 9483
51	15.7741 8409	76	30.3922 3514
52	16.2423 4184	77	31.1142 2848
53	16.7193 2225	78	31.8475 4344
54	17.2052 5438	79	32.5922 4583
55	17.7002 6506	80	33.3483 9865
56	18.2044 7889	81	34.1160 6204
57	18.7180 1820	82	34.8952 9335
58	19.2410 0302	83	35.6861 4704
59	19.7735 5104	84	36.4886 7472
60	20.3157 7760	85	37.3029 2510
61	20.8677 9565	86	38.1289 4402
62	21.4297 1571	87	38.9667 7441
63	22.0016 4589	88	39.8164 5628
64	22.5836 9180	89	40.6780 2672
65	23.1759 5657	90	41.5515 1988
66	23.7785 4079	91	42.4369 6698
67	24.3915 4252	92	43.3343 9628
68	25.0150 5726	93	44.2438 3309
69	25.6491 7788	94	45.1652 9975
70	26.2939 9467	95	46.0988 1565
71	26.9495 9527	96	47.0443 9718
72	27.6160 6464	97	48.0020 5777
73	28.2934 8508	98	48.9718 0787
74	28.9819 3619	99	49.9536 5495
75	29.6814 9483	100	50.9476 0348

$e = 44^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	50.9476 0348	125	79.6814 9483
101	51.9536 5495	126	80.9819 3619
102	52.9718 0787	127	82.2934 8508
103	54.0020 5777	128	83.6160 6464
104	55.0443 9718	129	84.9495 9527
105	56.0988 1565	130	86.2939 9467
106	57.1652 9975	131	87.6491 7788
107	58.2438 3309	132	89.0150 5726
108	59.3343 9628	133	90.3915 4252
109	60.4369 6698	134	91.7785 4079
110	61.5515 1988	135	93.1759 5657
111	62.6780 2672	136	94.5836 9180
112	63.8164 5628	137	96.0016 4589
113	64.9667 7441	138	97.4297 1571
114	66.1289 4402	139	98.8677 9565
115	67.3029 2510	140	100.3157 7760
116	68.4886 7472	141	101.7735 5104
117	69.6861 4704	142	103.2410 0302
118	70.8952 9335	143	104.7180 1820
119	72.1160 6204	144	106.2044 7889
120	73.3483 9865	145	107.7002 6506
121	74.5922 4583	146	109.2052 5438
122	75.8475 4344	147	110.7193 2225
123	77.1142 2848	148	112.2423 4184
124	78.3922 3514	149	113.7741 8409
125	79.6814 9483	150	115.3147 1779

$$e = 44^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	115.3147 1779	175	156.2284 6053
151	116.8638 0956	176	157.9426 0847
152	118.4213 2392	177	159.6612 1180
153	119.9871 2332	178	161.3840 9322
154	121.5610 6816	179	163.1110 7436
155	123.1430 1681	180	164.8419 7586
156	124.7328 2570	181	166.5766 1737
157	126.3303 4930	182	168.3148 1764
158	127.9354 4017	183	170.0563 9452
159	129.5479 4903	184	171.8011 6504
160	131.1677 2473	185	173.5489 4545
161	132.7946 1437	186	175.2995 5122
162	134.4284 6327	187	177.0527 9718
163	136.0691 1503	188	178.8084 9746
164	137.7164 1159	189	180.5664 6560
165	139.3701 9322	190	182.3265 1459
166	141.0302 9863	191	184.0884 5690
167	142.6965 6494	192	185.8521 0453
168	144.3688 2775	193	187.6172 6906
169	146.0469 2121	194	189.3837 6170
170	147.7306 7799	195	191.1513 9333
171	149.4199 2939	196	192.9199 7454
172	151.1145 0536	197	194.6893 1570
173	152.8142 3451	198	196.4592 2699
174	154.5189 4419	199	198.2295 1844
175	156.2284 6053	200	200.0000 0000

$e = 45^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	6.4746 9790
1	0.2396 2530	26	6.7744 8870
2	0.4794 3822	27	7.0790 2311
3	0.7196 2631	28	7.3884 7272
4	0.9603 7705	29	7.7030 0792
5	1.2018 7777	30	8.0227 9784
6	1.4443 1562	31	8.3480 1029
7	1.6878 7752	32	8.6788 1179
8	1.9327 5010	33	9.0153 6744
9	2.1791 1969	34	9.3578 4095
10	2.4271 7223	35	9.7063 9453
11	2.6770 9325	36	10.0611 8893
12	2.9290 6782	37	10.4223 8335
13	3.1832 8051	38	10.7901 3540
14	3.4399 1533	39	11.1646 0107
15	3.6991 5569	40	11.5459 3471
16	3.9611 8436	41	11.9342 8897
17	4.2261 8344	42	12.3298 1476
18	4.4943 3426	43	12.7326 6122
19	4.7658 1740	44	13.1429 7569
20	5.0408 1261	45	13.5609 0367
21	5.3194 9878	46	13.9865 8878
22	5.6020 5388	47	14.4201 7272
23	5.8886 5493	48	14.8617 9524
24	6.1794 7794	49	15.3115 9412
25	6.4746 9790	50	15.7697 0511

$e = 45^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	15.7697 0511	75	30.2759 6442
51	16.2362 6192	76	30.9904 9912
52	16.7113 9615	77	31.7161 3923
53	17.1952 3732	78	32.4529 5247
54	17.6879 1278	79	33.2010 0375
55	18.1895 4771	80	33.9603 5525
56	18.7002 6506	81	34.7310 6634
57	19.2201 8556	82	35.5131 9360
58	19.7494 2767	83	36.3067 9079
59	20.2881 0753	84	37.1119 0882
60	20.8363 3898	85	37.9285 9579
61	21.3942 3347	86	38.7568 9693
62	21.9619 0009	87	39.5968 5459
63	22.5394 4551	88	40.4485 0827
64	23.1269 7397	89	41.3118 9457
65	23.7245 8724	90	42.1870 4720
66	24.3323 8460	91	43.0739 9695
67	24.9504 6282	92	43.9727 7174
68	25.5789 1613	93	44.8833 9652
69	26.2178 3621	94	45.8058 9335
70	26.8673 1215	95	46.7402 8136
71	27.5274 3044	96	47.6865 7673
72	28.1982 7493	97	48.6447 9271
73	28.8799 2684	98	49.6149 3962
74	29.5724 6472	99	50.5970 2482
75	30.2759 6442	100	51.5910 5273

$e = 45^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	51.5910 5273	125	80.2759 6442
101	52.5970 2482	126	81.5724 6472
102	53.6149 3962	127	82.8799 2684
103	54.6447 9271	128	84.1982 7493
104	55.6865 7673	129	85.5274 3044
105	56.7402 8136	130	86.8673 1215
106	57.8058 9335	131	88.2178 3621
107	58.8833 9652	132	89.5789 1613
108	59.9727 7174	133	90.9504 6282
109	61.0739 9695	134	92.3323 8460
110	62.1870 4720	135	93.7245 8724
111	63.3118 9457	136	95.1269 7397
112	64.4485 0827	137	96.5394 4551
113	65.5968 5459	138	97.9619 0009
114	66.7568 9693	139	99.3942 3347
115	67.9285 9579	140	100.8363 3898
116	69.1119 0882	141	102.2881 0753
117	70.3067 9079	142	103.7494 2767
118	71.5131 9360	143	105.2201 8556
119	72.7310 6634	144	106.7002 6506
120	73.9603 5525	145	108.1895 4771
121	75.2010 0375	146	109.6879 1278
122	76.4529 5247	147	111.1952 3732
123	77.7161 3923	148	112.7113 9615
124	78.9904 9912	149	114.2362 6192
125	80.2759 6442	150	115.7697 0511

$e = 45^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	115.7697 0511	175	156.4746 9790
151	117.3115 9412	176	158.1794 7794
152	118.8617 9524	177	159.8886 5493
153	120.4201 7272	178	161.6020 5388
154	121.9865 8878	179	163.3194 9878
155	123.5609 0367	180	165.0408 1261
156	125.1429 7569	181	166.7658 1740
157	126.7326 6122	182	168.4943 3426
158	128.3298 1476	183	170.2261 8344
159	129.9342 8897	184	171.9611 8436
160	131.5459 3471	185	173.6991 5569
161	133.1646 0107	186	175.4399 1533
162	134.7901 3540	187	177.1832 8051
163	136.4223 8335	188	178.9290 6782
164	138.0611 8893	189	180.6770 9325
165	139.7063 9453	190	182.4271 7223
166	141.3578 4095	191	184.1791 1969
167	143.0153 6744	192	185.9327 5010
168	144.6788 1179	193	187.6878 7752
169	146.3480 1029	194	189.4443 1562
170	148.0227 9784	195	191.2018 7777
171	149.7030 0792	196	192.9603 7705
172	151.3884 7272	197	194.7196 2631
173	153.0790 2311	198	196.4794 3822
174	154.7744 8870	199	198.2396 2530
175	156.4746 9790	200	200.0000 0000

$$e = 46^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	6.7255 0611
1	0.2499 1978	26	7.0347 7682
2	0.5000 2463	27	7.3487 2692
3	0.7504 9957	28	7.6675 2568
4	1.0015 2955	29	7.9913 4117
5	1.2532 9935	30	8.3203 4023
6	1.5059 9359	31	8.6546 8842
7	1.7597 9667	32	8.9945 4999
8	2.0148 9268	33	9.3400 8780
9	2.2714 6543	34	9.6914 6335
10	2.5296 9835	35	10.0488 3666
11	2.7897 7445	36	10.4123 6630
12	3.0518 7631	37	10.7822 0930
13	3.3161 8597	38	11.1585 2115
14	3.5828 8498	39	11.5414 5574
15	3.8521 5425	40	11.9311 6531
16	4.1241 7408	41	12.3278 0044
17	4.3991 2410	42	12.7315 1001
18	4.6771 8320	43	13.1424 4115
19	4.9585 2950	44	13.5607 3919
20	5.2433 4032	45	13.9865 4766
21	5.5317 9213	46	14.4200 0823
22	5.8240 6049	47	14.8612 6070
23	6.1203 2002	48	15.3104 4292
24	6.4207 4435	49	15.7676 9080
25	6.7255 0611	50	16.2331 3825

$$e = 46^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	16.2331 3825	75	30.8814 6900
51	16.7069 1718	76	31.5998 6852
52	17.1891 5740	77	32.3292 2311
53	17.6799 8668	78	33.0695 9954
54	18.1795 3065	79	33.8210 6188
55	18.6879 1278	80	34.5836 7144
56	19.2052 5438	81	35.3574 8681
57	19.7316 7452	82	36.1425 6378
58	20.2672 9007	83	36.9389 5539
59	20.8122 1561	84	37.7467 1187
60	21.3665 6340	85	38.5658 8065
61	21.9304 4342	86	39.3965 0637
62	22.5039 6327	87	40.2386 3079
63	23.0872 2817	88	41.0922 9289
64	23.6803 4095	89	41.9575 2876
65	24.2834 0201	90	42.8343 7165
66	24.8965 0927	91	43.7228 5196
67	25.5197 5821	92	44.6229 9720
68	26.1532 4177	93	45.5348 3200
69	26.7970 5040	94	46.4583 7812
70	27.4512 7198	95	47.3936 5443
71	28.1159 9181	96	48.3406 7689
72	28.7912 9263	97	49.2994 5858
73	29.4772 5456	98	50.2700 0966
74	30.1739 5507	99	51.2523 3740
75	30.8814 6900	100	52.2464 4616

$e = 46^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	52.2464 4616	125	80.8814 6900
101	53.2523 3740	126	82.1739 5507
102	54.2700 0966	127	83.4772 5456
103	55.2994 5858	128	84.7912 9263
104	56.3406 7689	129	86.1159 9181
105	57.3936 5443	130	87.4512 7198
106	58.4583 7812	131	88.7970 5040
107	59.5348 3200	132	90.1532 4177
108	60.6229 9720	133	91.5197 5821
109	61.7228 5196	134	92.8965 0927
110	62.8343 7165	135	94.2834 0201
111	63.9575 2876	136	95.6803 4095
112	65.0922 9289	137	97.0872 2817
113	66.2386 3079	138	98.5039 6327
114	67.3965 0637	139	99.9304 4342
115	68.5658 8065	140	101.3665 6340
116	69.7467 1187	141	102.8122 1561
117	70.9389 5539	142	104.2672 9007
118	72.1425 6378	143	105.7316 7452
119	73.3574 8681	144	107.2052 5438
120	74.5836 7144	145	108.6879 1278
121	75.8210 6188	146	110.1795 3065
122	77.0695 9954	147	111.6799 8668
123	78.3292 2311	148	113.1891 5740
124	79.5998 6852	149	114.7069 1718
125	80.8814 6900	150	116.2331 3825

$$e = 46^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	116.2331 3825	175	156.7255 0611
151	117.7676 9080	176	158.4207 4435
152	119.3104 4292	177	160.1203 2002
153	120.8612 6070	178	161.8240 6049
154	122.4200 0823	179	163.5317 9213
155	123.9865 4766	180	165.2433 4032
156	125.5607 3919	181	166.9585 2950
157	127.1424 4115	182	168.6771 8320
158	128.7315 1001	183	170.3991 2410
159	130.3278 0044	184	172.1241 7408
160	131.9311 6531	185	173.8521 5425
161	133.5414 5574	186	175.5828 8498
162	135.1585 2115	187	177.3161 8597
163	136.7822 0930	188	179.0518 7631
164	138.4123 6630	189	180.7897 7445
165	140.0488 3666	190	182.5296 9835
166	141.6914 6335	191	184.2714 6543
167	143.3400 8780	192	186.0148 9268
168	144.9945 4999	193	187.7597 9667
169	146.6546 8842	194	189.5059 9359
170	148.3203 4023	195	191.2532 9935
171	149.9913 4117	196	193.0015 2955
172	151.6675 2568	197	194.7504 9957
173	153.3487 2692	198	196.5000 2463
174	155.0347 7682	199	198.2499 1978
175	156.7255 0611	200	200.0000 0000

$$e = 47^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	6.9808 2328
1	0.2603 9932	26	7.2997 4433
2	0.5209 8113	27	7.6232 7939
3	0.7819 2786	28	7.9515 9536
4	1.0434 2187	29	8.2848 5798
5	1.3056 4537	30	8.6232 3175
6	1.5687 8039	31	8.9668 7992
7	1.8330 0876	32	9.3159 6443
8	2.0985 1200	33	9.6706 4589
9	2.3654 7134	34	10.0310 8351
10	2.6340 6766	35	10.3974 3511
11	2.9044 8141	36	10.7698 5703
12	3.1768 9260	37	11.1485 0410
13	3.4514 8077	38	11.5335 2964
14	3.7284 2489	39	11.9250 8539
15	4.0079 0337	40	12.3233 2147
16	4.2900 9399	41	12.7283 8635
17	4.5751 7384	42	13.1404 2683
18	4.8633 1934	43	13.5595 8798
19	5.1547 0612	44	13.9860 1312
20	5.4495 0902	45	14.4198 4375
21	5.7479 0203	46	14.8612 1958
22	6.0500 5827	47	15.3102 7844
23	6.3561 4992	48	15.7671 5626
24	6.6663 4819	49	16.2319 8705
25	6.9808 2328	50	16.7049 0286

$$e = 47^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	16.7049 0286	75	31.4978 5917
51	17.1860 3374	76	32.2201 9299
52	17.6755 0771	77	32.9533 2883
53	18.1734 5073	78	33.6973 3252
54	18.6799 8668	79	34.4522 6724
55	19.1952 3732	80	35.2181 9344
56	19.7193 2225	81	35.9951 6888
57	20.2523 5889	82	36.7832 4859
58	20.7944 6246	83	37.5824 8486
59	21.3457 4594	84	38.3929 2722
60	21.9063 2005	85	39.2146 2244
61	22.4762 9320	86	40.0476 1452
62	23.0557 7150	87	40.8919 4466
63	23.6448 5870	88	41.7476 5127
64	24.2436 5620	89	42.6147 6996
65	24.8522 6298	90	43.4933 3352
66	25.4707 7561	91	44.3833 7189
67	26.0992 8823	92	45.2849 1222
68	26.7378 9248	93	46.1979 7880
69	27.3866 7754	94	47.1225 9308
70	28.0457 3006	95	48.0587 7366
71	28.7151 3417	96	49.0065 3628
72	29.3949 7144	97	49.9658 9383
73	30.0853 2087	98	50.9368 5635
74	30.7862 5885	99	51.9194 3100
75	31.4978 5917	100	52.9136 2207

$e = 47^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	52.9136 2207	125	81.4978 5917
101	53.9194 3100	126	82.7862 5885
102	54.9368 5635	127	84.0853 2087
103	55.9658 9383	128	85.3949 7144
104	57.0065 3628	129	86.7151 3417
105	58.0587 7366	130	88.0457 3006
106	59.1225 9308	131	89.3866 7754
107	60.1979 7880	132	90.7378 9248
108	61.2849 1222	133	92.0992 8823
109	62.3833 7189	134	93.4707 7561
110	63.4933 3352	135	94.8522 6298
111	64.6147 6996	136	96.2436 5620
112	65.7476 5127	137	97.6448 5870
113	66.8919 4466	138	99.0557 7150
114	68.0476 1452	139	100.4762 9320
115	69.2146 2244	140	101.9063 2005
116	70.3929 2722	141	103.3457 4594
117	71.5824 8486	142	104.7944 6246
118	72.7832 4859	143	106.2523 5889
119	73.9951 6888	144	107.7193 2225
120	75.2181 9344	145	109.1952 3732
121	76.4522 6724	146	110.6799 8668
122	77.6973 3252	147	112.1734 5073
123	78.9533 2883	148	113.6755 0771
124	80.2201 9299	149	115.1860 3374
125	81.4978 5917	150	116.7049 0286

$e = 47^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	116.7049 0286	175	156.9808 2328
151	118.2319 8705	176	158.6663 4819
152	119.7671 5626	177	160.3561 4992
153	121.3102 7844	178	162.0500 5827
154	122.8612 1958	179	163.7479 0203
155	124.4198 4375	180	165.4495 0902
156	125.9860 1312	181	167.1547 0612
157	127.5595 8798	182	168.8633 1934
158	129.1404 2683	183	170.5751 7384
159	130.7283 8635	184	172.2900 9399
160	132.3233 2147	185	174.0079 0337
161	133.9250 8539	186	175.7284 2489
162	135.5335 2964	187	177.4514 8077
163	137.1485 0410	188	179.1768 9260
164	138.7698 5703	189	180.9044 8141
165	140.3974 3511	190	182.6340 6766
166	142.0310 8351	191	184.3654 7134
167	143.6706 4589	192	186.0985 1200
168	145.3159 6443	193	187.8330 0876
169	146.9668 7992	194	189.5687 8039
170	148.6232 3175	195	191.3056 4537
171	150.2848 5798	196	193.0434 2187
172	151.9515 9536	197	194.7819 2786
173	153.6232 7939	198	196.5209 8113
174	155.2997 4433	199	198.2603 9932
175	156.9808 2328	200	200.0000 0000

$e = 48^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	7.2405 8640
1	0.2710 6135	26	7.5693 2584
2	0.5423 0255	27	7.9026 1277
3	0.8139 0342	28	8.2406 1169
4	1.0860 4368	29	8.5834 8595
5	1.3589 0291	30	8.9313 9767
6	1.6326 6053	31	9.2845 0776
7	1.9074 9572	32	9.6429 7582
8	2.1835 8741	33	10.0069 6014
9	2.4611 1422	34	10.3766 1765
10	2.7402 5440	35	10.7521 0388
11	3.0211 8581	36	11.1335 7291
12	3.3040 8587	37	11.5211 7737
13	3.5891 3152	38	11.9150 6833
14	3.8764 9916	39	12.3153 9537
15	4.1663 6463	40	12.7223 0643
16	4.4589 0313	41	13.1359 4786
17	4.7542 8922	42	13.5564 6432
18	5.0526 9677	43	13.9839 9880
19	5.3542 9886	44	14.4186 9255
20	5.6592 6783	45	14.8606 8504
21	5.9677 7515	46	15.3101 1395
22	6.2799 9146	47	15.7671 1514
23	6.5960 8644	48	16.2318 2257
24	6.9162 2884	49	16.7043 6832
25	7.2405 8640	50	17.1848 8254

$$e = 48^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	17.1848 8254	75	32.1249 8284
51	17.6734 9340	76	32.8513 1948
52	18.1703 2707	77	33.5883 0241
53	18.6755 0771	78	34.3359 9653
54	19.1891 5740	79	35.0944 6408
55	19.7113 9615	80	35.8637 6467
56	20.2423 4184	81	36.6439 5522
57	20.7821 1019	82	37.4350 8996
58	21.3308 1476	83	38.2372 2042
59	21.8885 6691	84	39.0503 9543
60	22.4554 7574	85	39.8746 6108
61	23.0316 4813	86	40.7100 6073
62	23.6171 8864	87	41.5566 3500
63	24.2121 9953	88	42.4144 2174
64	24.8167 8073	89	43.2834 5603
65	25.4310 2981	90	44.1637 7020
66	26.0550 4194	91	45.0553 9378
67	26.6889 0989	92	45.9583 5350
68	27.3327 2399	93	46.8726 7330
69	27.9865 7214	94	47.7983 7434
70	28.6505 3974	95	48.7354 7493
71	29.3247 0970	96	49.6839 9060
72	30.0091 6241	97	50.6439 3406
73	30.7039 7573	98	51.6153 1518
74	31.4092 2497	99	52.5981 4102
75	32.1249 8284	100	53.5924 1583

$e = 48^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	53.5924 1583	125	82.1249 8284
101	54.5981 4102	126	83.4092 2497
102	55.6153 1518	127	84.7039 7573
103	56.6439 3406	128	86.0091 6241
104	57.6839 9060	129	87.3247 0970
105	58.7354 7493	130	88.6505 3974
106	59.7983 7434	131	89.9865 7214
107	60.8726 7330	132	91.3327 2399
108	61.9583 5350	133	92.6889 0989
109	63.0553 9378	134	94.0550 4194
110	64.1637 7020	135	95.4310 2981
111	65.2834 5603	136	96.8167 8073
112	66.4144 2174	137	98.2121 9953
113	67.5566 3500	138	99.6171 8864
114	68.7100 6073	139	101.0316 4813
115	69.8746 6108	140	102.4554 7574
116	71.0503 9543	141	103.8885 6691
117	72.2372 2042	142	105.3308 1476
118	73.4350 8996	143	106.7821 1019
119	74.6439 5522	144	108.2423 4184
120	75.8637 6467	145	109.7113 9615
121	77.0944 6408	146	111.1891 5740
122	78.3359 9653	147	112.6755 0771
123	79.5883 0241	148	114.1703 2707
124	80.8513 1948	149	115.6734 9340
125	82.1249 8284	150	117.1848 8254

$e = 48^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	117.1848 8254	175	157.2405 8640
151	118.7043 6832	176	158.9162 2884
152	120.2318 2257	177	160.5960 8644
153	121.7671 1514	178	162.2799 9146
154	123.3101 1395	179	163.9677 7515
155	124.8606 8504	180	165.6592 6783
156	126.4186 9255	181	167.3542 9886
157	127.9839 9880	182	169.0526 9677
158	129.5564 6432	183	170.7542 8922
159	131.1359 4786	184	172.4589 0313
160	132.7223 0643	185	174.1663 6463
161	134.3153 9537	186	175.8764 9916
162	135.9150 6833	187	177.5891 3152
163	137.5211 7737	188	179.3040 8587
164	139.1335 7291	189	181.0211 8581
165	140.7521 0388	190	182.7402 5440
166	142.3766 1765	191	184.4611 1422
167	144.0069 6014	192	186.1835 8741
168	145.6429 7582	193	187.9074 9572
169	147.2845 0776	194	189.6326 6053
170	148.9313 9767	195	191.3589 0291
171	150.5834 8595	196	193.0860 4368
172	152.2406 1169	197	194.8139 0342
173	153.9026 1277	198	196.5423 0255
174	155.5693 2584	199	198.2710 6135
175	157.2405 8640	200	200.0000 0000

$e = 49^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	7.5047 3140
1	0.2819 0323	26	7.8434 5485
2	0.5639 8365	27	8.1866 5814
3	0.8464 1838	28	8.5345 0335
4	1.1293 8447	29	8.8871 5138
5	1.4130 5884	30	9.2447 6196
6	1.6976 1824	31	9.6074 9358
7	1.9832 3919	32	9.9755 0347
8	2.2700 9795	33	10.3489 4759
9	2.5583 7047	34	10.7279 8051
10	2.8482 3237	35	11.1127 5546
11	3.1398 5886	36	11.5034 2422
12	3.4334 2473	37	11.9001 3715
13	3.7291 0427	38	12.3030 4309
14	4.0270 7126	39	12.7122 8938
15	4.3274 9892	40	13.1280 2176
16	4.6305 5987	41	13.5503 8440
17	4.9364 2605	42	13.9795 1983
18	5.2452 6874	43	14.4155 6888
19	5.5572 5847	44	14.8586 7072
20	5.8725 6500	45	15.3089 6275
21	6.1913 5725	46	15.7665 8059
22	6.5138 0332	47	16.2316 5808
23	6.8400 7038	48	16.7043 2720
24	7.1703 2465	49	17.1847 1805
25	7.5047 3140	50	17.6729 5885

$$e = 49^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	17.6729 5885	75	32.7626 8527
51	18.1691 7587	76	33.4930 9225
52	18.6734 9340	77	34.2339 8717
53	19.1860 3374	78	34.9854 3397
54	19.7069 1718	79	35.7474 9396
55	20.2362 6192	80	36.5202 2587
56	20.7741 8409	81	37.3036 8575
57	21.3207 9770	82	38.0979 2705
58	21.8762 1463	83	38.9030 0053
59	22.4405 4456	84	39.7189 5428
60	23.0138 9499	85	40.5458 3372
61	23.5963 7118	86	41.3836 8156
62	24.1880 7616	87	42.2325 3781
63	24.7891 1067	88	43.0924 3976
64	25.3995 7314	89	43.9634 2198
65	26.0195 5969	90	44.8455 1630
66	26.6491 6408	91	45.7387 5181
67	27.2884 7770	92	46.6431 5486
68	27.9375 8955	93	47.5587 4903
69	28.5965 8619	94	48.4855 5515
70	29.2655 5177	95	49.4235 9128
71	29.9445 6797	96	50.3728 7271
72	30.6337 1398	97	51.3334 1194
73	31.3330 6651	98	52.3052 1873
74	32.0426 9972	99	53.2883 0001
75	32.7626 8527	100	54.2826 5998

$e = 49^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	54.2826 5998	125	82.7626 8527
101	55.2883 0001	126	84.0426 9972
102	56.3052 1873	127	85.3330 6651
103	57.3334 1194	128	86.6337 1398
104	58.3728 7271	129	87.9445 6797
105	59.4235 9128	130	89.2655 5177
106	60.4855 5515	131	90.5965 8619
107	61.5587 4903	132	91.9375 8955
108	62.6431 5486	133	93.2884 7770
109	63.7387 5181	134	94.6491 6408
110	64.8455 1630	135	96.0195 5969
111	65.9634 2198	136	97.3995 7314
112	67.0924 3976	137	98.7891 1067
113	68.2325 3781	138	100.1880 7616
114	69.3836 8156	139	101.5963 7118
115	70.5458 3372	140	103.0138 9499
116	71.7189 5428	141	104.4405 4456
117	72.9030 0053	142	105.8762 1463
118	74.0979 2705	143	107.3207 9770
119	75.3036 8575	144	108.7741 8409
120	76.5202 2587	145	110.2362 6192
121	77.7474 9396	146	111.7069 1718
122	78.9854 3397	147	113.1860 3374
123	80.2339 8717	148	114.6734 9340
124	81.4930 9225	149	116.1691 7587
125	82.7626 8527	150	117.6729 5885

$e = 49^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	117.6729 5885	175	157.5047 3140
151	119.1847 1805	176	159.1703 2465
152	120.7043 2720	177	160.8400 7038
153	122.2316 5808	178	162.5138 0332
154	123.7665 8059	179	164.1913 5725
155	125.3089 6275	180	165.8725 6500
156	126.8586 7072	181	167.5572 5847
157	128.4155 6888	182	169.2452 6874
158	129.9795 1983	183	170.9364 2605
159	131.5503 8440	184	172.6305 5987
160	133.1280 2176	185	174.3274 9892
161	134.7122 8938	186	176.0270 7126
162	136.3030 4309	187	177.7291 0427
163	137.9001 3715	188	179.4334 2473
164	139.5034 2422	189	181.1398 5886
165	141.1127 5546	190	182.8482 3237
166	142.7279 8051	191	184.5583 7047
167	144.3489 4759	192	186.2700 9795
168	145.9755 0347	193	187.9832 3919
169	147.6074 9358	194	189.6976 1824
170	149.2447 6196	195	191.4130 5884
171	150.8871 5138	196	193.1293 8447
172	152.5345 0335	197	194.8464 1838
173	154.1866 5814	198	196.5639 8365
174	155.8434 5485	199	198.2819 0323
175	157.5047 3140	200	200.0000 0000

$e = 50^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	7.7731 9310
1	0.2929 2230	26	8.1220 6371
2	0.5860 1905	27	8.4753 4543
3	0.8794 6469	28	8.8331 9784
4	1.1734 3354	29	9.1957 7936
5	1.4680 9980	30	9.5632 4729
6	1.7636 3750	31	9.9357 5767
7	2.0602 2046	32	10.3134 6534
8	2.3580 2224	33	10.6965 2384
9	2.6572 1610	34	11.0850 8539
10	2.9579 7494	35	11.4793 0085
11	3.2604 7129	36	11.8793 1969
12	3.5648 7726	37	12.2852 8995
13	3.8713 6446	38	12.6973 5819
14	4.1801 0403	39	13.1156 6949
15	4.4912 6650	40	13.5403 6735
16	4.8050 2185	41	13.9715 9373
17	5.1215 3939	42	14.4094 8897
18	5.4409 8776	43	14.8541 9175
19	5.7635 3488	44	15.3058 3909
20	6.0893 4790	45	15.7645 6628
21	6.4185 9317	46	16.2305 0688
22	6.7514 3618	47	16.7037 9266
23	7.0880 4154	48	17.1845 5357
24	7.4285 7294	49	17.6729 1773
25	7.7731 9310	50	18.1690 1138

$e = 50^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	18.1690 1138	75	33.4108 0914
51	18.6729 5885	76	34.1453 5297
52	19.1848 8254	77	34.8902 2381
53	19.7049 0286	78	35.6454 8461
54	20.2331 3825	79	36.4111 9575
55	20.7697 0511	80	37.1874 1504
56	21.3147 1779	81	37.9741 9770
57	21.8682 8853	82	38.7715 9632
58	22.4305 2750	83	39.5796 6091
59	23.0015 4271	84	40.3984 3882
60	23.5814 4000	85	41.2279 7477
61	24.1703 2302	86	42.0683 1080
62	24.7682 9321	87	42.9194 8632
63	25.3754 4977	88	43.7815 3805
64	25.9918 8962	89	44.6545 0002
65	26.6177 0741	90	45.5384 0358
66	27.2529 9545	91	46.4332 7738
67	27.8978 4374	92	47.3391 4735
68	28.5523 3990	93	48.2560 3671
69	29.2165 6918	94	49.1839 6598
70	29.8906 1442	95	50.1229 5293
71	30.5745 5606	96	51.0730 1262
72	31.2684 7207	97	52.0341 5738
73	31.9724 3797	98	53.0063 9678
74	32.6865 2681	99	53.9897 3768
75	33.4108 0914	100	54.9841 8419

$e = 50^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	54.9841 8419	125	83.4108 0914
101	55.9897 3768	126	84.6865 2681
102	57.0063 9678	127	85.9724 3797
103	58.0341 5738	128	87.2684 7207
104	59.0730 1262	129	88.5745 5606
105	60.1229 5293	130	89.8906 1442
106	61.1839 6598	131	91.2165 6918
107	62.2560 3671	132	92.5523 3990
108	63.3391 4735	133	93.8978 4374
109	64.4332 7738	134	95.2529 9545
110	65.5384 0358	135	96.6177 0741
111	66.6545 0002	136	97.9918 8962
112	67.7815 3805	137	99.3754 4977
113	68.9194 8632	138	100.7682 9321
114	70.0683 1080	139	102.1703 2302
115	71.2279 7477	140	103.5814 4000
116	72.3984 3882	141	105.0015 4271
117	73.5796 6091	142	106.4305 2750
118	74.7715 9632	143	107.8682 8853
119	75.9741 9770	144	109.3147 1779
120	77.1874 1504	145	110.7697 0511
121	78.4111 9575	146	112.2331 3825
122	79.6454 8461	147	113.7049 0286
123	80.8902 2381	148	115.1848 8254
124	82.1453 5297	149	116.6729 5885
125	83.4108 0914	150	118.1690 1138

$e = 50^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	118.1690 1138	175	157.7731 9310
151	119.6729 1773	176	159.4285 7294
152	121.1845 5357	177	161.0880 4154
153	122.7037 9266	178	162.7514 3618
154	124.2305 0688	179	164.4185 9317
155	125.7645 6628	180	166.0893 4790
156	127.3058 3909	181	167.7635 3488
157	128.8541 9175	182	169.4409 8776
158	130.4094 8897	183	171.1215 3939
159	131.9715 9373	184	172.8050 2185
160	133.5403 6735	185	174.4912 6650
161	135.1156 6949	186	176.1801 0403
162	136.6973 5819	187	177.8713 6446
163	138.2852 8995	188	179.5648 7726
164	139.8793 1969	189	181.2604 7129
165	141.4793 0085	190	182.9579 7494
166	143.0850 8539	191	184.6572 1610
167	144.6965 2384	192	186.3580 2224
168	146.3134 6534	193	188.0602 2046
169	147.9357 5767	194	189.7636 3750
170	149.5632 4729	195	191.4680 9980
171	151.1957 7936	196	193.1734 3354
172	152.8331 9784	197	194.8794 6469
173	154.4753 4543	198	196.5860 1905
174	156.1220 6371	199	198.2929 2230
175	157.7731 9310	200	200.0000 0000

$e = 51^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	8.0459 0525
1	0.3041 1582	26	8.4050 8368
2	0.6084 0334	27	8.7686 0340
3	0.9130 3422	28	9.1366 2144
4	1.2181 8002	29	9.5092 9374
5	1.5240 1220	30	9.8867 7508
6	1.8307 0202	31	10.2692 1905
7	2.1384 2056	32	10.6567 7804
8	2.4473 3861	33	11.0496 0314
9	2.7576 2671	34	11.4478 4418
10	3.0694 5502	35	11.8516 4963
11	3.3829 9333	36	12.2611 6658
12	3.6984 1103	37	12.6765 4074
13	4.0158 7702	38	13.0979 1634
14	4.3355 5970	39	13.5254 3616
15	4.6576 2695	40	13.9592 4145
16	4.9822 4602	41	14.3994 7191
17	5.3095 8355	42	14.8462 6565
18	5.6398 0552	43	15.2997 5917
19	5.9730 7719	44	15.7600 8730
20	6.3095 6305	45	16.2273 8322
21	6.6494 2682	46	16.7017 7834
22	6.9928 3138	47	17.1834 0237
23	7.3399 3874	48	17.6723 8319
24	7.6909 0998	49	18.1688 4690
25	8.0459 0525	50	18.6729 1773

$$e = 51^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	18.6729 1773	75	34.0691 9451
51	19.1847 1805	76	34.8079 4069
52	19.7043 6832	77	35.5568 5040
53	20.2319 8705	78	36.3159 8559
54	20.7676 9080	79	37.0854 0569
55	21.3115 9412	80	37.8651 6758
56	21.8638 0956	81	38.6553 2561
57	22.4244 4758	82	39.4559 3156
58	22.9936 1661	83	40.2670 3462
59	23.5714 2294	84	41.0886 8140
60	24.1579 7074	85	41.9209 1590
61	24.7533 6203	86	42.7637 7953
62	25.3576 9663	87	43.6173 1104
63	25.9710 7217	88	44.4815 4659
64	26.5935 8404	89	45.3565 1966
65	27.2253 2539	90	46.2422 6110
66	27.8663 8707	91	47.1387 9912
67	28.5168 5765	92	48.0461 5923
68	29.1768 2337	93	48.9643 6429
69	29.8463 6813	94	49.8934 3449
70	30.5255 7347	95	50.8333 8732
71	31.2145 1852	96	51.7842 3760
72	31.9132 8005	97	52.7459 9746
73	32.6219 3238	98	53.7186 7633
74	33.3405 4739	99	54.7022 8096
75	34.0691 9451	100	55.6968 1538

$e = 51^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	55.6968 1538	125	84.0691 9451
101	56.7022 8096	126	85.3405 4739
102	57.7186 7633	127	86.6219 3238
103	58.7459 9746	128	87.9132 8005
104	59.7842 3760	129	89.2145 1852
105	60.8333 8732	130	90.5255 7347
106	61.8934 3449	131	91.8463 6813
107	62.9643 6429	132	93.1768 2337
108	64.0461 5923	133	94.5168 5765
109	65.1387 9912	134	95.8663 8707
110	66.2422 6110	135	97.2253 2539
111	67.3565 1966	136	98.5935 8404
112	68.4815 4659	137	99.9710 7217
113	69.6173 1104	138	101.3576 9663
114	70.7637 7953	139	102.7533 6203
115	71.9209 1590	140	104.1579 7074
116	73.0886 8140	141	105.5714 2294
117	74.2670 3462	142	106.9936 1661
118	75.4559 3156	143	108.4244 4758
119	76.6553 2561	144	109.8638 0956
120	77.8651 6758	145	111.3115 9412
121	79.0854 0569	146	112.7676 9080
122	80.3159 8559	147	114.2319 8705
123	81.5568 5040	148	115.7043 6832
124	82.8079 4069	149	117.1847 1805
125	84.0691 9451	150	118.6729 1773

$e = 51^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	118.6729 1773	175	158.0459 0525
151	120.1688 4690	176	159.6909 0998
152	121.6723 8319	177	161.3399 3874
153	123.1834 0237	178	162.9928 3138
154	124.7017 7834	179	164.6494 2682
155	126.2273 8322	180	166.3095 6305
156	127.7600 8730	181	167.9730 7719
157	129.2997 5917	182	169.6398 0552
158	130.8462 6565	183	171.3095 8355
159	132.3994 7191	184	172.9822 4602
160	133.9592 4145	185	174.6576 2695
161	135.5254 3616	186	176.3355 5970
162	137.0979 1634	187	178.0158 7702
163	138.6765 4074	188	179.6984 1103
164	140.2611 6658	189	181.3829 9333
165	141.8516 4963	190	183.0694 5502
166	143.4478 4418	191	184.7576 2671
167	145.0496 0314	192	186.4473 3861
168	146.6567 7804	193	188.1384 2056
169	148.2692 1905	194	189.8307 0202
170	149.8867 7508	195	191.5240 1220
171	151.5092 9374	196	193.2181 8002
172	153.1366 2144	197	194.9130 3422
173	154.7686 0340	198	196.6084 0334
174	156.4050 8368	199	198.3041 1582
175	158.0459 0525	200	200.0000 0000

$$e = 52^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	8.3228 0057
1	0.3154 8104	26	8.6924 4494
2	0.6311 3098	27	9.0663 5969
3	0.9471 1867	28	9.4446 9930
4	1.2636 1288	29	9.8276 1715
5	1.5807 8224	30	10.2152 6550
6	1.8987 9525	31	10.6077 9544
7	2.2178 2017	32	11.0053 5685
8	2.5380 2502	33	11.4080 9838
9	2.8595 7753	34	11.8161 6738
10	3.1826 4510	35	12.2297 0991
11	3.5073 9475	36	12.6488 7067
12	3.8339 9309	37	13.0737 9297
13	4.1626 0627	38	13.5046 1871
14	4.4933 9994	39	13.9414 8831
15	4.8265 3922	40	14.3845 4073
16	5.1621 8865	41	14.8339 1337
17	5.5005 1215	42	15.2897 4211
18	5.8416 7298	43	15.7521 6121
19	6.1858 3369	44	16.2213 0330
20	6.5331 5611	45	16.6972 9937
21	6.8838 0127	46	17.1802 7870
22	7.2379 2939	47	17.6703 6887
23	7.5956 9982	48	18.1676 9569
24	7.9572 7104	49	18.6723 8319
25	8.3228 0057	50	19.1845 5357

$$e = 52^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	19.1845 5357	75	34.7376 7895
51	19.7043 2720	76	35.4806 9194
52	20.2318 2257	77	36.2337 0248
53	20.7671 5626	78	36.9967 7148
54	21.3104 4292	79	37.7699 5742
55	21.8617 9524	80	38.5533 1626
56	22.4213 2392	81	39.3469 0144
57	22.9891 3764	82	40.1507 6391
58	23.5653 4302	83	40.9649 5204
59	24.1500 4464	84	41.7895 1170
60	24.7433 4497	85	42.6244 8616
61	25.3453 4435	86	43.4699 1614
62	25.9561 4098	87	44.3258 3979
63	26.5758 3090	88	45.1922 9265
64	27.2045 0793	89	46.0693 0767
65	27.8422 6370	90	46.9569 1519
66	28.4891 8759	91	47.8551 4295
67	29.1453 6670	92	48.7640 1606
68	29.8108 8589	93	49.6835 5701
69	30.4858 2766	94	50.6137 8563
70	31.1702 7223	95	51.5547 1916
71	31.8642 9746	96	52.5063 7215
72	32.5679 7883	97	53.4687 5655
73	33.2813 8946	98	54.4418 8164
74	34.0046 0007	99	55.4257 5403
75	34.7376 7895	100	56.4203 7772

$e = 52^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	56.4203 7772	125	84.7376 7895
101	57.4257 5403	126	86.0046 0007
102	58.4418 8164	127	87.2813 8946
103	59.4687 5655	128	88.5679 7883
104	60.5063 7215	129	89.8642 9746
105	61.5547 1916	130	91.1702 7223
106	62.6137 8563	131	92.4858 2766
107	63.6835 5701	132	93.8108 8589
108	64.7640 1606	133	95.1453 6670
109	65.8551 4295	134	96.4891 8759
110	66.9569 1519	135	97.8422 6370
111	68.0693 0767	136	99.2045 0793
112	69.1922 9265	137	100.5758 3090
113	70.3258 3979	138	101.9561 4098
114	71.4699 1614	139	103.3453 4435
115	72.6244 8616	140	104.7433 4497
116	73.7895 1170	141	106.1500 4464
117	74.9649 5204	142	107.5653 4302
118	76.1507 6391	143	108.9891 3764
119	77.3469 0144	144	110.4213 2392
120	78.5533 1626	145	111.8617 9524
121	79.7699 5742	146	113.3104 4292
122	80.9967 7148	147	114.7671 5626
123	82.2337 0248	148	116.2318 2257
124	83.4806 9194	149	117.7043 2720
125	84.7376 7895	150	119.1845 5357

$e = 52^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	119.1845 5357	175	158.3228 0057
151	120.6723 8319	176	159.9572 7104
152	122.1676 9569	177	161.5956 9982
153	123.6703 6887	178	163.2379 2939
154	125.1802 7870	179	164.8838 0127
155	126.6972 9937	180	166.5331 5611
156	128.2213 0330	181	168.1858 3369
157	129.7521 6121	182	169.8416 7298
158	131.2897 4211	183	171.5005 1215
159	132.8339 1337	184	173.1621 8865
160	134.3845 4073	185	174.8265 3922
161	135.9414 8831	186	176.4933 9994
162	137.5046 1871	187	178.1626 0627
163	139.0737 9297	188	179.8339 9309
164	140.6488 7067	189	181.5073 9475
165	142.2297 0991	190	183.1826 4510
166	143.8161 6738	191	184.8595 7753
167	145.4080 9838	192	186.5380 2502
168	147.0053 5685	193	188.2178 2017
169	148.6077 9544	194	189.8987 9525
170	150.2152 6550	195	191.5807 8224
171	151.8276 1715	196	193.2636 1288
172	153.4446 9930	197	194.9471 1867
173	155.0663 5969	198	196.6311 3098
174	156.6924 4494	199	198.3154 8104
175	158.3228 0057	200	200.0000 0000

$e = 53^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	8.6038 1074
1	0.3270 1516	26	8.9840 7658
2	0.6541 9637	27	9.3685 4084
3	0.9817 0964	28	9.7573 5540
4	1.3097 2089	29	10.1506 7107
5	1.6383 9593	30	10.5486 3752
6	1.9679 0039	31	10.9514 0331
7	2.2983 9972	32	11.3591 1578
8	2.6300 5909	33	11.7719 2109
9	2.9630 4342	34	12.1899 6411
10	3.2975 1727	35	12.6133 8842
11	3.6336 4486	36	13.0423 3630
12	3.9715 8999	37	13.4769 4864
13	4.3115 1601	38	13.9173 6494
14	4.6535 8578	39	14.3637 2327
15	4.9979 6164	40	14.8161 6023
16	5.3448 0536	41	15.2748 1093
17	5.6942 7808	42	15.7398 0893
18	6.0465 4032	43	16.2112 8624
19	6.4017 5190	44	16.6893 7327
20	6.7600 7191	45	17.1741 9878
21	7.1216 5867	46	17.6658 8990
22	7.4866 6971	47	18.1645 7203
23	7.8552 6169	48	18.6703 6887
24	8.2275 9041	49	19.1834 0237
25	8.6038 1074	50	19.7037 9266

$e = 53^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	19.7037 9266	75	35.4160 9751
51	20.2316 5808	76	36.1634 4073
52	20.7671 1514	77	36.9206 1302
53	21.3102 7844	78	37.6876 7431
54	21.8612 6070	79	38.4646 8205
55	22.4201 7272	80	39.2516 9129
56	22.9871 2332	81	40.0487 5455
57	23.5622 1936	82	40.8559 2192
58	24.1455 6567	83	41.6732 4098
59	24.7372 6505	84	42.5007 5680
60	25.3374 1825	85	43.3385 1194
61	25.9461 2393	86	44.1865 4642
62	26.5634 7862	87	45.0448 9775
63	27.1895 7675	88	45.9136 0087
64	27.8245 1056	89	46.7926 8818
65	28.4683 7013	90	47.6821 8952
66	29.1212 4333	91	48.5821 3214
67	29.7832 1582	92	49.4925 4073
68	30.4543 7099	93	50.4134 3740
69	31.1347 8998	94	51.3448 4168
70	31.8245 5165	95	52.2867 7047
71	32.5237 3254	96	53.2392 3811
72	33.2324 0687	97	54.2022 5633
73	33.9506 4652	98	55.1758 3426
74	34.6785 2102	99	56.1599 7840
75	35.4160 9751	100	57.1546 9268

$e = 53^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	57.1546 9268	125	85.4160 9751
101	58.1599 7840	126	86.6785 2102
102	59.1758 3426	127	87.9506 4652
103	60.2022 5633	128	89.2324 0687
104	61.2392 3811	129	90.5237 3254
105	62.2867 7047	130	91.8245 5165
106	63.3448 4168	131	93.1347 8998
107	64.4134 3740	132	94.4543 7099
108	65.4925 4073	133	95.7832 1582
109	66.5821 3214	134	97.1212 4333
110	67.6821 8952	135	98.4683 7013
111	68.7926 8818	136	99.8245 1056
112	69.9136 0087	137	101.1895 7675
113	71.0448 9775	138	102.5634 7862
114	72.1865 4642	139	103.9461 2393
115	73.3385 1194	140	105.3374 1825
116	74.5007 5680	141	106.7372 6505
117	75.6732 4098	142	108.1455 6567
118	76.8559 2192	143	109.5622 1936
119	78.0487 5455	144	110.9871 2332
120	79.2516 9129	145	112.4201 7272
121	80.4646 8205	146	113.8612 6070
122	81.6876 7431	147	115.3102 7844
123	82.9206 1302	148	116.7671 1514
124	84.1634 4073	149	118.2316 5808
125	85.4160 9751	150	119.7037 9266

$e = 53^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	119.7037 9266	175	158.6038 1074
151	121.1834 0237	176	160.2275 9041
152	122.6703 6887	177	161.8552 6169
153	124.1645 7203	178	163.4866 6971
154	125.6658 8990	179	165.1216 5867
155	127.1741 9878	180	166.7600 7191
156	128.6893 7327	181	168.4017 5190
157	130.2112 8624	182	170.0465 4032
158	131.7398 0893	183	171.6942 7808
159	133.2748 1093	184	173.3448 0536
160	134.8161 6023	185	174.9979 6164
161	136.3637 2327	186	176.6535 8578
162	137.9173 6494	187	178.3115 1601
163	139.4769 4864	188	179.9715 8999
164	141.0423 3630	189	181.6336 4486
165	142.6133 8842	190	183.2975 1727
166	144.1899 6411	191	184.9630 4342
167	145.7719 2109	192	186.6300 5909
168	147.3591 1578	193	188.2983 9972
169	148.9514 0331	194	189.9679 0039
170	150.5486 3752	195	191.6383 9593
171	152.1506 7107	196	193.3097 2089
172	153.7573 5540	197	194.9817 0964
173	155.3685 4084	198	196.6541 9637
174	156.9840 7658	199	198.3270 1516
175	158.6038 1074	200	200.0000 0000

$$e = 54^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	8.8888 6642
1	0.3387 1533	26	9.2799 0664
2	0.6775 9382	27	9.6750 7229
3	1.0167 9860	28	10.0745 1261
4	1.3564 9270	29	10.4783 7577
5	1.6968 3905	30	10.8868 0887
6	2.0380 0040	31	11.2999 5786
7	2.3801 3931	32	11.7179 6754
8	2.7234 1811	33	12.1409 8151
9	3.0679 9883	34	12.5691 4213
10	3.4140 4318	35	13.0025 9050
11	3.7617 1251	36	13.4414 6639
12	4.1111 6778	37	13.8859 0827
13	4.4625 6951	38	14.3360 5320
14	4.8160 7772	39	14.7920 3686
15	5.1718 5192	40	15.2539 9347
16	5.5300 5107	41	15.7220 5579
17	5.8908 3353	42	16.1963 5506
18	6.2543 5700	43	16.6770 2099
19	6.6207 7854	44	17.1641 8173
20	6.9902 5447	45	17.6579 6380
21	7.3629 4035	46	18.1584 9211
22	7.7389 9098	47	18.6658 8990
23	8.1185 6029	48	19.1802 7870
24	8.5018 0138	49	19.7017 7834
25	8.8888 6642	50	20.2305 0688

$$e = 54^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	20.2305 0688	75	36.1042 8281
51	20.7665 8059	76	36.8560 1859
52	21.3101 1395	77	37.6174 1256
53	21.8612 1958	78	38.3885 2359
54	22.4200 0823	79	39.1694 0817
55	22.9865 8878	80	39.9601 2035
56	23.5610 6816	81	40.7607 1177
57	24.1435 5135	82	41.5712 3163
58	24.7341 4139	83	42.3917 2668
59	25.3329 3928	84	43.2222 4122
60	25.9400 4401	85	44.0628 1706
61	26.5555 5252	86	44.9134 9354
62	27.1795 5969	87	45.7743 0750
63	27.8121 5828	88	46.6452 9328
64	28.4534 3894	89	47.5264 8272
65	29.1034 9019	90	48.4179 0513
66	29.7623 9836	91	49.3195 8729
67	30.4302 4762	92	50.2315 5348
68	31.1071 1992	93	51.1538 2540
69	31.7930 9498	94	52.0864 2224
70	32.4882 5029	95	53.0293 6063
71	33.1926 6107	96	53.9826 5465
72	33.9064 0023	97	54.9463 1581
73	34.6295 3843	98	55.9203 5310
74	35.3621 4396	99	56.9047 7291
75	36.1042 8281	100	57.8995 7908

$e = 54^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	57.8995 7908	125	86.1042 8281
101	58.9047 7291	126	87.3621 4396
102	59.9203 5310	127	88.6295 3843
103	60.9463 1581	128	89.9064 0023
104	61.9826 5465	129	91.1926 6107
105	63.0293 6063	130	92.4882 5029
106	64.0864 2224	131	93.7930 9498
107	65.1538 2540	132	95.1071 1992
108	66.2315 5348	133	96.4302 4762
109	67.3195 8729	134	97.7623 9836
110	68.4179 0513	135	99.1034 9019
111	69.5264 8272	136	100.4534 3894
112	70.6452 9328	137	101.8121 5828
113	71.7743 0750	138	103.1795 5969
114	72.9134 9354	139	104.5555 5252
115	74.0628 1706	140	105.9400 4401
116	75.2222 4122	141	107.3329 3928
117	76.3917 2668	142	108.7341 4139
118	77.5712 3163	143	110.1435 5135
119	78.7607 1177	144	111.5610 6816
120	79.9601 2035	145	112.9865 8878
121	81.1694 0817	146	114.4200 0823
122	82.3885 2359	147	115.8612 1958
123	83.6174 1256	148	117.3101 1395
124	84.8560 1859	149	118.7665 8059
125	86.1042 8281	150	120.2305 0688

$e = 54^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	120.2305 0688	175	158.8888 6642
151	121.7017 7834	176	160.5018 0138
152	123.1802 7870	177	162.1185 6029
153	124.6658 8990	178	163.7389 9098
154	126.1584 9211	179	165.3629 4035
155	127.6579 6380	180	166.9902 5447
156	129.1641 8173	181	168.6207 7854
157	130.6770 2099	182	170.2543 5700
158	132.1963 5506	183	171.8908 3353
159	133.7220 5579	184	173.5300 5107
160	135.2539 9347	185	175.1718 5192
161	136.7920 3686	186	176.8160 7772
162	138.3360 5320	187	178.4625 6951
163	139.8859 0827	188	180.1111 6778
164	141.4414 6639	189	181.7617 1251
165	143.0025 9050	190	183.4140 4318
166	144.5691 4213	191	185.0679 9883
167	146.1409 8151	192	186.7234 1811
168	147.7179 6754	193	188.3801 3931
169	149.2999 5786	194	190.0380 0040
170	150.8868 0887	195	191.6968 3905
171	152.4783 7577	196	193.3564 9270
172	154.0745 1261	197	195.0167 9860
173	155.6750 7229	198	196.6775 9382
174	157.2799 0664	199	198.3387 1533
175	158.8888 6642	200	200.0000 0000

$e = 55^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	9.1778 9728
1	0.3505 7866	26	9.5798 6213
2	0.7013 1755	27	9.9858 7840
3	1.0523 7688	28	10.3960 9266
4	1.4039 1675	29	10.8106 5041
5	1.7560 9716	30	11.2296 9611
6	2.1090 7796	31	11.6533 7310
7	2.4630 1879	32	12.0818 2359
8	2.8180 7905	33	12.5151 8859
9	3.1744 1787	34	12.9536 0790
10	3.5321 9407	35	13.3972 2010
11	3.8915 6610	36	13.8461 6247
12	4.2526 9203	37	14.3005 7096
13	4.6157 2949	38	14.7605 8019
14	4.9808 3565	39	15.2263 2340
15	5.3481 6715	40	15.6979 3242
16	5.7178 8009	41	16.1755 3760
17	6.0901 2999	42	16.6592 6785
18	6.4650 7175	43	17.1492 5054
19	6.8428 5957	44	17.6456 1153
20	7.2236 4698	45	18.1484 7506
21	7.6075 8677	46	18.6579 6380
22	7.9948 3094	47	19.1741 9878
23	8.3855 3067	48	19.6972 9937
24	8.7798 3630	49	20.2273 8322
25	9.1778 9728	50	20.7645 6628

$e = 55^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	20.7645 6628	75	36.8020 6504
51	21.3089 6275	76	37.5582 5464
52	21.8606 8504	77	38.3239 2916
53	22.4198 4375	78	39.0991 4642
54	22.9865 4766	79	39.8839 6189
55	23.5609 0367	80	40.6784 2865
56	24.1430 1681	81	41.4825 9743
57	24.7329 9019	82	42.2965 1653
58	25.3309 2496	83	43.1202 3187
59	25.9369 2035	84	43.9537 8695
60	26.5510 7355	85	44.7972 2283
61	27.1734 7977	86	45.6505 7815
62	27.8042 3218	87	46.5138 8908
63	28.4434 2189	88	47.3871 8935
64	29.0911 3791	89	48.2705 1023
65	29.7474 6718	90	49.1638 8050
66	30.4124 9448	91	50.0673 2647
67	31.0863 0246	92	50.9808 7196
68	31.7689 7161	93	51.9045 3831
69	32.4605 8023	94	52.8383 4436
70	33.1612 0440	95	53.7823 0642
71	33.8709 1799	96	54.7364 3833
72	34.5897 9262	97	55.7007 5141
73	35.3178 9767	98	56.6752 5446
74	36.0553 0021	99	57.6599 5378
75	36.8020 6504	100	58.6548 5313

$e = 55^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	58.6548 5313	125	86.8020 6504
101	59.6599 5378	126	88.0553 0021
102	60.6752 5446	127	89.3178 9767
103	61.7007 5141	128	90.5897 9262
104	62.7364 3833	129	91.8709 1799
105	63.7823 0642	130	93.1612 0440
106	64.8383 4436	131	94.4605 8023
107	65.9045 3831	132	95.7689 7161
108	66.9808 7196	133	97.0863 0246
109	68.0673 2647	134	98.4124 9448
110	69.1638 8050	135	99.7474 6718
111	70.2705 1023	136	101.0911 3791
112	71.3871 8935	137	102.4434 2189
113	72.5138 8908	138	103.8042 3218
114	73.6505 7815	139	105.1734 7977
115	74.7972 2283	140	106.5510 7355
116	75.9537 8695	141	107.9369 2035
117	77.1202 3187	142	109.3309 2496
118	78.2965 1653	143	110.7329 9019
119	79.4825 9743	144	112.1430 1681
120	80.6784 2865	145	113.5609 0367
121	81.8839 6189	146	114.9865 4766
122	83.0991 4642	147	116.4198 4375
123	84.3239 2916	148	117.8606 8504
124	85.5582 5464	149	119.3089 6275
125	86.8020 6504	150	120.7645 6628

$e = 55^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	120.7645 6628	175	159.1778 9728
151	122.2273 8322	176	160.7798 3630
152	123.6972 9937	177	162.3855 3067
153	125.1741 9878	178	163.9948 3094
154	126.6579 6380	179	165.6075 8677
155	128.1484 7506	180	167.2236 4698
156	129.6456 1153	181	168.8428 5957
157	131.1492 5054	182	170.4650 7175
158	132.6592 6785	183	172.0901 2999
159	134.1755 3760	184	173.7178 8009
160	135.6979 3242	185	175.3481 6715
161	137.2263 2340	186	176.9808 3565
162	138.7605 8019	187	178.6157 2949
163	140.3005 7096	188	180.2526 9203
164	141.8461 6247	189	181.8915 6610
165	143.3972 2010	190	183.5321 9407
166	144.9536 0790	191	185.1744 1787
167	146.5151 8859	192	186.8180 7905
168	148.0818 2359	193	188.4630 1879
169	149.6533 7310	194	190.1090 7796
170	151.2296 9611	195	191.7560 9716
171	152.8106 5041	196	193.4039 1675
172	154.3960 9266	197	195.0523 7688
173	155.9858 7840	198	196.7013 1755
174	157.5798 6213	199	198.3505 7866
175	159.1778 9728	200	200.0000 0000

$e = 56^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	9.4708 3202
1	0.3626 0222	26	9.8838 6905
2	0.7253 6171	27	10.3008 8250
3	1.0884 3570	28	10.7220 1621
4	1.4519 8134	29	11.1474 1300
5	1.8161 5567	30	11.5772 1464
6	2.1811 1556	31	12.0115 6184
7	2.5470 1770	32	12.4505 9415
8	2.9140 1855	33	12.8944 4998
9	3.2822 7429	34	13.3432 6656
10	3.6519 4079	35	13.7971 7987
11	4.0231 7358	36	14.2563 2467
12	4.3961 2780	37	14.7208 3439
13	4.7709 5816	38	15.1908 4116
14	5.1478 1892	39	15.6664 7575
15	5.5268 6382	40	16.1478 6753
16	5.9082 4607	41	16.6351 4448
17	6.2921 1831	42	17.1284 3309
18	6.6786 3256	43	17.6278 5838
19	7.0679 4019	44	18.1335 4387
20	7.4601 9187	45	18.6456 1153
21	7.8555 3757	46	19.1641 8173
22	8.2541 2646	47	19.6893 7327
23	8.6561 0695	48	20.2213 0330
24	9.0616 2657	49	20.7600 8730
25	9.4708 3202	50	21.3058 3909

$e = 56^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	21.3058 3909	75	37.5092 7204
51	21.8586 7072	76	38.2699 7561
52	22.4186 9255	77	39.0399 8850
53	22.9860 1312	78	39.8193 6745
54	23.5607 3919	79	40.6081 6690
55	24.1429 7569	80	41.4064 3897
56	24.7328 2570	81	42.2142 3341
57	25.3303 9042	82	43.0315 9767
58	25.9357 6914	83	43.8585 7679
59	26.5490 5923	84	44.6952 1348
60	27.1703 5611	85	45.5415 4803
61	27.7997 5321	86	46.3976 1836
62	28.4373 4197	87	47.2634 5999
63	29.0832 1182	88	48.1391 0602
64	29.7374 5012	89	49.0245 8713
65	30.4001 4220	90	49.9199 3157
66	31.0713 7128	91	50.8251 6517
67	31.7512 1847	92	51.7403 1130
68	32.4397 6277	93	52.6653 9092
69	33.1370 8103	94	53.6004 2249
70	33.8432 4792	95	54.5454 2206
71	34.5583 3595	96	55.5004 0319
72	35.2824 1542	97	56.4653 7698
73	36.0155 5441	98	57.4403 5209
74	36.7578 1875	99	58.4253 3469
75	37.5092 7204	100	59.4203 2847

$e = 56^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	59.4203 2847	125	87.5092 7204
101	60.4253 3469	126	88.7578 1875
102	61.4403 5209	127	90.0155 5441
103	62.4653 7698	128	91.2824 1542
104	63.5004 0319	129	92.5583 3595
105	64.5454 2206	130	93.8432 4792
106	65.6004 2249	131	95.1370 8103
107	66.6653 9092	132	96.4397 6277
108	67.7403 1130	133	97.7512 1847
109	68.8251 6517	134	99.0713 7128
110	69.9199 3157	135	100.4001 4220
111	71.0245 8713	136	101.7374 5012
112	72.1391 0602	137	103.0832 1182
113	73.2634 5999	138	104.4373 4197
114	74.3976 1836	139	105.7997 5321
115	75.5415 4803	140	107.1703 5611
116	76.6952 1348	141	108.5490 5923
117	77.8585 7679	142	109.9357 6914
118	79.0315 9767	143	111.3303 9042
119	80.2142 3341	144	112.7328 2570
120	81.4064 3897	145	114.1429 7569
121	82.6081 6690	146	115.5607 3919
122	83.8193 6745	147	116.9860 1312
123	85.0399 8850	148	118.4186 9255
124	86.2699 7561	149	119.8586 7072
125	87.5092 7204	150	121.3058 3909

$e = 56^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	121.3058 3909	175	159.4708 3202
151	122.7600 8730	176	161.0616 2657
152	124.2213 0330	177	162.6561 0695
153	125.6893 7327	178	164.2541 2646
154	127.1641 8173	179	165.8555 3757
155	128.6456 1153	180	167.4601 9187
156	130.1335 4387	181	169.0679 4019
157	131.6278 5838	182	170.6786 3256
158	133.1284 3309	183	172.2921 1831
159	134.6351 4448	184	173.9082 4607
160	136.1478 6753	185	175.5268 6382
161	137.6664 7575	186	177.1478 1892
162	139.1908 4116	187	178.7709 5816
163	140.7208 3439	188	180.3961 2780
164	142.2563 2467	189	182.0231 7358
165	143.7971 7987	190	183.6519 4079
166	145.3432 6656	191	185.2822 7429
167	146.8944 4998	192	186.9140 1855
168	148.4505 9415	193	188.5470 1770
169	150.0115 6184	194	190.1811 1556
170	151.5772 1464	195	191.8161 5567
171	153.1474 1300	196	193.4519 8134
172	154.7220 1621	197	195.0884 3570
173	156.3008 8250	198	196.7253 6171
174	157.8838 6905	199	198.3626 0222
175	159.4708 3202	200	200.0000 0000

$e = 57^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	9.7675 9834
1	0.3747 8306	26	10.1918 5238
2	0.7497 2037	27	10.6200 0685
3	1.1249 6618	28	11.0522 0284
4	1.5006 7462	29	11.4885 8044
5	1.8769 9974	30	11.9292 7873
6	2.2540 9540	31	12.3744 3569
7	2.6321 1532	32	12.8241 8823
8	3.0112 1294	33	13.2786 7212
9	3.3915 4147	34	13.7380 2195
10	3.7732 5381	35	14.2023 7112
11	4.1565 0250	36	14.6718 5179
12	4.5414 3972	37	15.1465 9487
13	4.9282 1723	38	15.6267 2994
14	5.3169 8633	39	16.1123 8529
15	5.7078 9784	40	16.6036 8781
16	6.1011 0203	41	17.1007 6302
17	6.4967 4863	42	17.6037 3501
18	6.8949 8675	43	18.1127 2642
19	7.2959 6486	44	18.6278 5838
20	7.6998 3077	45	19.1492 5054
21	8.1067 3156	46	19.6770 2099
22	8.5168 1358	47	20.2112 8624
23	8.9302 2237	48	20.7521 6121
24	9.3471 0266	49	21.2997 5917
25	9.7675 9834	50	21.8541 9175

$$e = 57^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	21.8541 9175	75	38.2257 2932
51	22.4155 6888	76	38.9910 0590
52	22.9839 9880	77	39.7654 1390
53	23.5595 8798	78	40.5490 0898
54	24.1424 4115	79	41.3418 4453
55	24.7326 6122	80	42.1439 7166
56	25.3303 4930	81	42.9554 3921
57	25.9356 0466	82	43.7762 9368
58	26.5485 2469	83	44.6065 7927
59	27.1692 0491	84	45.4463 3787
60	27.7977 3889	85	46.2956 0901
61	28.4342 1831	86	47.1544 2988
62	29.0787 3284	87	48.0228 3531
63	29.7313 7020	88	48.9008 5777
64	30.3922 1610	89	49.7885 2736
65	31.0613 5422	90	50.6858 7180
66	31.7388 6619	91	51.5929 1641
67	32.4248 3158	92	52.5096 8412
68	33.1193 2788	93	53.4361 9548
69	33.8224 3046	94	54.3724 6862
70	34.5342 1258	95	55.3185 1926
71	35.2547 4536	96	56.2743 6071
72	35.9840 9774	97	57.2400 0387
73	36.7223 3650	98	58.2154 5721
74	37.4695 2624	99	59.2007 2679
75	38.2257 2932	100	60.1958 1624

$e = 57^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	60.1958 1624	125	88.2257 2932
101	61.2007 2679	126	89.4695 2624
102	62.2154 5721	127	90.7223 3650
103	63.2400 0387	128	91.9840 9774
104	64.2743 6071	129	93.2547 4536
105	65.3185 1926	130	94.5342 1258
106	66.3724 6862	131	95.8224 3046
107	67.4361 9548	132	97.1193 2788
108	68.5096 8412	133	98.4248 3158
109	69.5929 1641	134	99.7388 6619
110	70.6858 7180	135	101.0613 5422
111	71.7885 2736	136	102.3922 1610
112	72.9008 5777	137	103.7313 7020
113	74.0228 3531	138	105.0787 3284
114	75.1544 2988	139	106.4342 1831
115	76.2956 0901	140	107.7977 3889
116	77.4463 3787	141	109.1692 0491
117	78.6065 7927	142	110.5485 2469
118	79.7762 9368	143	111.9356 0466
119	80.9554 3921	144	113.3303 4930
120	82.1439 7166	145	114.7326 6122
121	83.3418 4453	146	116.1424 4115
122	84.5490 0898	147	117.5595 8798
123	85.7654 1390	148	118.9839 9880
124	86.9910 0590	149	120.4155 6888
125	88.2257 2932	150	121.8541 9175

$e = 57^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	121.8541 9175	175	159.7675 9834
151	123.2997 5917	176	161.3471 0266
152	124.7521 6121	177	162.9302 2237
153	126.2112 8624	178	164.5168 1358
154	127.6770 2099	179	166.1067 3156
155	129.1492 5054	180	167.6998 3077
156	130.6278 5838	181	169.2959 6486
157	132.1127 2642	182	170.8949 8675
158	133.6037 3501	183	172.4967 4863
159	135.1007 6302	184	174.1011 0203
160	136.6036 8781	185	175.7078 9784
161	138.1123 8529	186	177.3169 8633
162	139.6267 2994	187	178.9282 1723
163	141.1465 9487	188	180.5414 3972
164	142.6718 5179	189	182.1565 0250
165	144.2023 7112	190	183.7732 5381
166	145.7380 2195	191	185.3915 4147
167	147.2786 7212	192	187.0112 1294
168	148.8241 8823	193	188.6321 1532
169	150.3744 3569	194	190.2540 9540
170	151.9292 7873	195	191.8769 9974
171	153.4885 8044	196	193.5006 7462
172	155.0522 0284	197	195.1249 6618
173	156.6200 0685	198	196.7497 2037
174	158.1918 5238	199	198.3747 8306
175	159.7675 9834	200	200.0000 0000

$$e = 58^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	10.0681 2303
1	0.3871 1815	26	10.5037 3614
2	0.7743 8752	27	10.9431 7272
3	1.1619 5929	28	11.3865 7109
4	1.5499 8457	29	11.8340 6857
5	1.9386 1436	30	12.2858 0149
6	2.3279 9950	31	12.7419 0512
7	2.7182 9064	32	13.2025 1366
8	3.1096 3824	33	13.6677 6020
9	3.5021 9246	34	14.1377 7668
10	3.8961 0318	35	14.6126 9387
11	4.2915 1994	36	15.0926 4132
12	4.6885 9193	37	15.5777 4735
13	5.0874 6789	38	16.0681 3900
14	5.4882 9615	39	16.5639 4200
15	5.8912 2455	40	17.0652 8077
16	6.2964 0040	41	17.5722 7834
17	6.7039 7047	42	18.0850 5635
18	7.1140 8094	43	18.6037 3501
19	7.5268 7733	44	19.1284 3309
20	7.9425 0456	45	19.6592 6785
21	8.3611 0678	46	20.1963 5506
22	8.7828 2747	47	20.7398 0893
23	9.2078 0929	48	21.2897 4211
24	9.6361 9413	49	21.8462 6565
25	10.0681 2303	50	22.4094 8897

$$e = 58^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	22.4094 8897	75	38.9512 6010
51	22.9795 1983	76	39.7211 6761
52	23.5564 6432	77	40.5000 2639
53	24.1404 2683	78	41.2878 9098
54	24.7315 1001	79	42.0848 1374
55	25.3298 1476	80	42.8908 4477
56	25.9354 4017	81	43.7060 3193
57	26.5484 8357	82	44.5304 2081
58	27.1690 4042	83	45.3640 5476
59	27.7972 0435	84	46.2069 7481
60	28.4330 6711	85	47.0592 1972
61	29.0767 1853	86	47.9208 2596
62	29.7282 4654	87	48.7918 2766
63	30.3877 3713	88	49.6722 5665
64	31.0552 7430	89	50.5621 4244
65	31.7309 4009	90	51.4615 1220
66	32.4148 1453	91	52.3703 9075
67	33.1069 7561	92	53.2888 0059
68	33.8074 9928	93	54.2167 6183
69	34.5164 5944	94	55.1542 9225
70	35.2339 2790	95	56.1014 0727
71	35.9599 7437	96	57.0581 1994
72	36.6946 6644	97	58.0244 4093
73	37.4380 6957	98	59.0003 7856
74	38.1902 4707	99	59.9859 3876
75	38.9512 6010	100	60.9811 2510

$e = 58^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	60.9811 2510	125	88.9512 6010
101	61.9859 3876	126	90.1902 4707
102	63.0003 7856	127	91.4380 6957
103	64.0244 4093	128	92.6946 6644
104	65.0581 1994	129	93.9599 7437
105	66.1014 0727	130	95.2339 2790
106	67.1542 9225	131	96.5164 5944
107	68.2167 6183	132	97.8074 9928
108	69.2888 0059	133	99.1069 7561
109	70.3703 9075	134	100.4148 1453
110	71.4615 1220	135	101.7309 4009
111	72.5621 4244	136	103.0552 7430
112	73.6722 5665	137	104.3877 3713
113	74.7918 2766	138	105.7282 4654
114	75.9208 2596	139	107.0767 1853
115	77.0592 1972	140	108.4330 6711
116	78.2069 7481	141	109.7972 0435
117	79.3640 5476	142	111.1690 4042
118	80.5304 2081	143	112.5484 8357
119	81.7060 3193	144	113.9354 4017
120	82.8908 4477	145	115.3298 1476
121	84.0848 1374	146	116.7315 1001
122	85.2878 9098	147	118.1404 2683
123	86.5000 2639	148	119.5564 6432
124	87.7211 6761	149	120.9795 1983
125	88.9512 6010	150	122.4094 8897

$e = 58^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	122.4094 8897	175	160.0681 2303
151	123.8462 6565	176	161.6361 9413
152	125.2897 4211	177	163.2078 0929
153	126.7398 0893	178	164.7828 2747
154	128.1963 5506	179	166.3611 0678
155	129.6592 6785	180	167.9425 0456
156	131.1284 3309	181	169.5268 7733
157	132.6037 3501	182	171.1140 8094
158	134.0850 5635	183	172.7039 7047
159	135.5722 7834	184	174.2964 0040
160	137.0652 8077	185	175.8912 2455
161	138.5639 4200	186	177.4882 9615
162	140.0681 3900	187	179.0874 6789
163	141.5777 4735	188	180.6885 9193
164	143.0926 4132	189	182.2915 1994
165	144.6126 9387	190	183.8961 0318
166	146.1377 7668	191	185.5021 9246
167	147.6677 6020	192	187.1096 3824
168	149.2025 1366	193	188.7182 9064
169	150.7419 0512	194	190.3279 9950
170	152.2858 0149	195	191.9386 1436
171	153.8340 6857	196	193.5499 8457
172	155.3865 7109	197	195.1619 5929
173	156.9431 7272	198	196.7743 8752
174	158.5037 3614	199	198.3871 1815
175	160.0681 2303	200	200.0000 0000

$e = 59^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	10.3723 3193
1	0.3996 0447	26	10.8194 4337
2	0.7993 5707	27	11.2703 0038
3	1.1994 0591	28	11.7250 3845
4	1.5998 9903	29	12.1837 9213
5	2.0009 8433	30	12.6466 9496
6	2.4028 0960	31	13.1138 7946
7	2.8055 2242	32	13.5854 7708
8	3.2092 7016	33	14.0616 1822
9	3.6141 9995	34	14.5424 3212
10	4.0204 5860	35	15.0280 4688
11	4.4281 9261	36	15.5185 8943
12	4.8375 4811	37	16.0141 8545
13	5.2486 7085	38	16.5149 5941
14	5.6617 0611	39	17.0210 3448
15	6.0767 9872	40	17.5325 3254
16	6.4940 9299	41	18.0495 7410
17	6.9137 3271	42	18.5722 7834
18	7.3358 6106	43	19.1007 6302
19	7.7606 2063	44	19.6351 4448
20	8.1881 5334	45	20.1755 3760
21	8.6186 0046	46	20.7220 5579
22	9.0521 0250	47	21.2748 1093
23	9.4887 9923	48	21.8339 1337
24	9.9288 2966	49	22.3994 7191
25	10.3723 3193	50	22.9715 9373

$e = 59^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	22.9715 9373	75	39.6856 8537
51	23.5503 8440	76	40.4602 8058
52	24.1359 4786	77	41.2436 4469
53	24.7283 8635	78	42.0358 3115
54	25.3278 0044	79	42.8368 9122
55	25.9342 8897	80	43.6468 7400
56	26.5479 4903	81	44.4658 2638
57	27.1688 7594	82	45.2937 9301
58	27.7971 6323	83	46.1308 1635
59	28.4329 0262	84	46.9769 3661
60	29.0761 8399	85	47.8321 9175
61	29.7270 9534	86	48.6966 1750
62	30.3857 2281	87	49.5702 4730
63	31.0521 5064	88	50.4531 1233
64	31.7264 6112	89	51.3452 4149
65	32.4087 3461	90	52.2466 6140
66	33.0990 4951	91	53.1573 9638
67	33.7974 8222	92	54.0774 6846
68	34.5041 0716	93	55.0068 9735
69	35.2189 9672	94	55.9457 0048
70	35.9422 2122	95	56.8938 9293
71	36.6738 4898	96	57.8514 8749
72	37.4139 4620	97	58.8184 9463
73	38.1625 7701	98	59.7949 2249
74	38.9198 0343	99	60.7807 7688
75	39.6856 8537	100	61.7760 6128

$e = 59^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	61.7760 6128	125	89.6856 8537
101	62.7807 7688	126	90.9198 0343
102	63.7949 2249	127	92.1625 7701
103	64.8184 9463	128	93.4139 4620
104	65.8514 8749	129	94.6738 4898
105	66.8938 9293	130	95.9422 2122
106	67.9457 0048	131	97.2189 9672
107	69.0068 9735	132	98.5041 0716
108	70.0774 6846	133	99.7974 8222
109	71.1573 9638	134	101.0990 4951
110	72.2466 6140	135	102.4087 3461
111	73.3452 4149	136	103.7264 6112
112	74.4531 1233	137	105.0521 5064
113	75.5702 4730	138	106.3857 2281
114	76.6966 1750	139	107.7270 9534
115	77.8321 9175	140	109.0761 8399
116	78.9769 3661	141	110.4329 0262
117	80.1308 1635	142	111.7971 6323
118	81.2937 9301	143	113.1688 7594
119	82.4658 2638	144	114.5479 4903
120	83.6468 7400	145	115.9342 8897
121	84.8368 9122	146	117.3278 0044
122	86.0358 3115	147	118.7283 8635
123	87.2436 4469	148	120.1359 4786
124	88.4602 8058	149	121.5503 8440
125	89.6856 8537	150	122.9715 9373

$e = 59^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	122.9715 9373	175	160.3723 3193
151	124.3994 7191	176	161.9288 2966
152	125.8339 1337	177	163.4887 9923
153	127.2748 1093	178	165.0521 0250
154	128.7220 5579	179	166.6186 0046
155	130.1755 3760	180	168.1881 5334
156	131.6351 4448	181	169.7606 2063
157	133.1007 6302	182	171.3358 6106
158	134.5722 7834	183	172.9137 3271
159	136.0495 7410	184	174.4940 9299
160	137.5325 3254	185	176.0767 9872
161	139.0210 3448	186	177.6617 0611
162	140.5149 5941	187	179.2486 7085
163	142.0141 8545	188	180.8375 4811
164	143.5185 8943	189	182.4281 9261
165	145.0280 4688	190	184.0204 5860
166	146.5424 3212	191	185.6141 9995
167	148.0616 1822	192	187.2092 7016
168	149.5854 7708	193	188.8055 2242
169	151.1138 7946	194	190.4028 0960
170	152.6466 9496	195	192.0009 8433
171	154.1837 9213	196	193.5998 9903
172	155.7250 3845	197	195.1994 0591
173	157.2703 0038	198	196.7993 5707
174	158.8194 4337	199	198.3996 0447
175	160.3723 3193	200	200.0000 0000

$e = 60^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	10.6801 5000
1	0.4122 3892	26	11.1388 9617
2	0.8246 2286	27	11.6013 0910
3	1.2372 9681	28	12.0675 2142
4	1.6504 0567	29	12.5376 6484
5	2.0640 9427	30	13.0118 7010
6	2.4785 0726	31	13.4902 6693
7	2.8937 8912	32	13.9729 8402
8	3.3100 8412	33	14.4601 4900
9	3.7275 3630	34	14.9518 8842
10	4.1462 8937	35	15.4483 2768
11	4.5664 8676	36	15.9495 9101
12	4.9882 7153	37	16.4558 0149
13	5.4117 8633	38	16.9670 8094
14	5.8371 7341	39	17.4835 4994
15	6.2645 7455	40	18.0053 2781
16	6.6941 3102	41	18.5325 3254
17	7.1259 8358	42	19.0652 8077
18	7.5602 7240	43	19.6036 8781
19	7.9971 3707	44	20.1478 6753
20	8.4367 1653	45	20.6979 3242
21	8.8791 4906	46	21.2539 9347
22	9.3245 7222	47	21.8161 6023
23	9.7731 2286	48	22.3845 4073
24	10.2249 3703	49	22.9592 4145
25	10.6801 5000	50	23.5403 6735

$e = 60^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	23.5403 6735	75	40.4288 2391
51	24.1280 2176	76	41.2081 6245
52	24.7223 0643	77	41.9960 8534
53	25.3233 2147	78	42.7926 4493
54	25.9311 6531	79	43.5978 9141
55	26.5459 3471	80	44.4118 7283
56	27.1677 2473	81	45.2346 3509
57	27.7966 2869	82	46.0662 2191
58	28.4327 3814	83	46.9066 7486
59	29.0761 4286	84	47.7560 3329
60	29.7269 3085	85	48.6143 3438
61	30.3851 8827	86	49.4816 1309
62	31.0509 9944	87	50.3579 0217
63	31.7244 4681	88	51.2432 3213
64	32.4056 1095	89	52.1376 3128
65	33.0945 7053	90	53.0411 2567
66	33.7914 0231	91	53.9537 3910
67	34.4961 8107	92	54.8754 9315
68	35.2089 7966	93	55.8064 0711
69	35.9298 6895	94	56.7464 9803
70	36.6589 1779	95	57.6957 8070
71	37.3961 9305	96	58.6542 6762
72	38.1417 5955	97	59.6219 6905
73	38.8956 8006	98	60.5988 9295
74	39.6580 1530	99	61.5850 4501
75	40.4288 2391	100	62.5804 2865

$e = 60^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	62.5804 2865	125	90.4288 2391
101	63.5850 4501	126	91.6580 1530
102	64.5988 9295	127	92.8956 8006
103	65.6219 6905	128	94.1417 5955
104	66.6542 6762	129	95.3961 9305
105	67.6957 8070	130	96.6589 1779
106	68.7464 9803	131	97.9298 6895
107	69.8064 0711	132	99.2089 7966
108	70.8754 9315	133	100.4961 8107
109	71.9537 3910	134	101.7914 0231
110	73.0411 2567	135	103.0945 7053
111	74.1376 3128	136	104.4056 1095
112	75.2432 3213	137	105.7244 4681
113	76.3579 0217	138	107.0509 9944
114	77.4816 1309	139	108.3851 8827
115	78.6143 3438	140	109.7269 3085
116	79.7560 3329	141	111.0761 4286
117	80.9066 7486	142	112.4327 3814
118	82.0662 2191	143	113.7966 2869
119	83.2346 3509	144	115.1677 2473
120	84.4118 7283	145	116.5459 3471
121	85.5978 9141	146	117.9311 6531
122	86.7926 4493	147	119.3233 2147
123	87.9960 8534	148	120.7223 0643
124	89.2081 6245	149	122.1280 2176
125	90.4288 2391	150	123.5403 6735

$e = 60^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	123.5403 6735	175	160.6801 5000
151	124.9592 4145	176	162.2249 3703
152	126.3845 4073	177	163.7731 2286
153	127.8161 6023	178	165.3245 7222
154	129.2539 9347	179	166.8791 4906
155	130.6979 3242	180	168.4367 1653
156	132.1478 6753	181	169.9971 3707
157	133.6036 8781	182	171.5602 7240
158	135.0652 8077	183	173.1259 8358
159	136.5325 3254	184	174.6941 3102
160	138.0053 2781	185	176.2645 7455
161	139.4835 4994	186	177.8371 7341
162	140.9670 8094	187	179.4117 8633
163	142.4558 0149	188	180.9882 7153
164	143.9495 9101	189	182.5664 8676
165	145.4483 2768	190	184.1462 8937
166	146.9518 8842	191	185.7275 3630
167	148.4601 4900	192	187.3100 8412
168	149.9729 8402	193	188.8937 8912
169	151.4902 6693	194	190.4785 0726
170	153.0118 7010	195	192.0640 9427
171	154.5376 6484	196	193.6504 0567
172	156.0675 2142	197	195.2372 9681
173	157.6013 0910	198	196.8246 2286
174	159.1388 9617	199	198.4122 3892
175	160.6801 5000	200	200.0000 0000

$e = 61^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	10.9915 0127
1	0.4250 1839	26	11.4620 1573
2	0.8501 7866	27	11.9361 1721
3	1.2756 2262	28	12.4139 3549
4	1.7014 9205	29	12.8955 9939
5	2.1279 2860	30	13.3812 3681
6	2.5550 7379	31	13.8709 7466
7	2.9830 6896	32	14.3649 3885
8	3.4120 5525	33	14.8632 5422
9	3.8421 7355	34	15.3660 4456
10	4.2735 6447	35	15.8734 3255
11	4.7063 6830	36	16.3855 3974
12	5.1407 2498	37	16.9024 8650
13	5.5767 7409	38	17.4243 9202
14	6.0146 5477	39	17.9513 7427
15	6.4545 0572	40	18.4835 4994
16	6.8964 6514	41	19.0210 3448
17	7.3406 7071	42	19.5639 4200
18	7.7872 5959	43	20.1123 8529
19	8.2363 6830	44	20.6664 7575
20	8.6881 3278	45	21.2263 2340
21	9.1426 8830	46	21.7920 3686
22	9.6001 6942	47	22.3637 2327
23	10.0607 1003	48	22.9414 8831
24	10.5244 4320	49	23.5254 3616
25	10.9915 0127	50	24.1156 6949

$e = 61^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	24.1156 6949	75	41.1804 9238
51	24.7122 8938	76	41.9646 2867
52	25.3153 9537	77	42.7571 6269
53	25.9250 8539	78	43.5581 4561
54	26.5414 5574	79	44.3676 2654
55	27.1646 0107	80	45.1856 5249
56	27.7946 1437	81	46.0122 6836
57	28.4315 8693	82	46.8475 1693
58	29.0756 0832	83	47.6914 3885
59	29.7267 6637	84	48.5440 7263
60	30.3851 4715	85	49.4054 5463
61	31.0508 3495	86	50.2756 1905
62	31.7239 1226	87	51.1545 9793
63	32.4044 5975	88	52.0424 2112
64	33.0925 5622	89	52.9391 1631
65	33.7882 7864	90	53.8447 0898
66	34.4917 0209	91	54.7592 2243
67	35.2028 9974	92	55.6826 7775
68	35.9219 4285	93	56.6150 9382
69	36.6489 0074	94	57.5564 8733
70	37.3838 4078	95	58.5068 7273
71	38.1268 2837	96	59.4662 6226
72	38.8779 2692	97	60.4346 6594
73	39.6371 9784	98	61.4120 9157
74	40.4047 0054	99	62.3985 4472
75	41.1804 9238	100	63.3940 2873

$e = 61^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	63.3940 2873	125	91.1804 9238
101	64.3985 4472	126	92.4047 0054
102	65.4120 9157	127	93.6371 9784
103	66.4346 6594	128	94.8779 2692
104	67.4662 6226	129	96.1268 2837
105	68.5068 7273	130	97.3838 4078
106	69.5564 8733	131	98.6489 0074
107	70.6150 9382	132	99.9219 4285
108	71.6826 7775	133	101.2028 9974
109	72.7592 2243	134	102.4917 0209
110	73.8447 0898	135	103.7882 7864
111	74.9391 1631	136	105.0925 5622
112	76.0424 2112	137	106.4044 5975
113	77.1545 9793	138	107.7239 1226
114	78.2756 1905	139	109.0508 3495
115	79.4054 5463	140	110.3851 4715
116	80.5440 7263	141	111.7267 6637
117	81.6914 3885	142	113.0756 0832
118	82.8475 1693	143	114.4315 8693
119	84.0122 6836	144	115.7946 1437
120	85.1856 5249	145	117.1646 0107
121	86.3676 2654	146	118.5414 5574
122	87.5581 4561	147	119.9250 8539
123	88.7571 6269	148	121.3153 9537
124	89.9646 2867	149	122.7122 8938
125	91.1804 9238	150	124.1156 6949

$e = 61^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	124.1156 6949	175	160.9915 0127
151	125.5254 3616	176	162.5244 4320
152	126.9414 8831	177	164.0607 1003
153	128.3637 2327	178	165.6001 6942
154	129.7920 3686	179	167.1426 8830
155	131.2263 2340	180	168.6881 3278
156	132.6664 7575	181	170.2363 6830
157	134.1123 8529	182	171.7872 5959
158	135.5639 4200	183	173.3406 7071
159	137.0210 3448	184	174.8964 6514
160	138.4835 4994	185	176.4545 0572
161	139.9513 7427	186	178.0146 5477
162	141.4243 9202	187	179.5767 7409
163	142.9024 8650	188	181.1407 2498
164	144.3855 3974	189	182.7063 6830
165	145.8734 3255	190	184.2735 6447
166	147.3660 4456	191	185.8421 7355
167	148.8632 5422	192	187.4120 5525
168	150.3649 3885	193	188.9830 6896
169	151.8709 7466	194	190.5550 7379
170	153.3812 3681	195	192.1279 2860
171	154.8955 9939	196	193.7014 9205
172	156.4139 3549	197	195.2756 2262
173	157.9361 1721	198	196.8501 7866
174	159.4620 1573	199	198.4250 1839
175	160.9915 0127	200	200.0000 0000

$$e = 62^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	11.3063 0893
1	0.4379 3974	26	11.7887 2231
2	0.8760 1815	27	12.2746 4212
3	1.3143 7390	28	12.7641 9518
4	1.7531 4554	29	13.2575 0746
5	2.1924 7156	30	13.7547 0395
6	2.6324 9030	31	14.2559 0873
7	3.0733 3992	32	14.7612 4487
8	3.5151 5839	33	15.2708 3440
9	3.9580 8342	34	15.7847 9835
10	4.4022 5247	35	16.3032 5662
11	4.8478 0269	36	16.8263 2804
12	5.2948 7086	37	17.3541 3027
13	5.7435 9342	38	17.8867 7983
14	6.1941 0640	39	18.4243 9202
15	6.6465 4536	40	18.9670 8094
16	7.1010 4541	41	19.5149 5941
17	7.5577 4115	42	20.0681 3900
18	8.0167 6662	43	20.6267 2994
19	8.4782 5530	44	21.1908 4116
20	8.9423 4007	45	21.7605 8019
21	9.4091 5315	46	22.3360 5320
22	9.8788 2610	47	22.9173 6494
23	10.3514 8976	48	23.5046 1871
24	10.8272 7426	49	24.0979 1634
25	11.3063 0893	50	24.6973 5819

$$e = 62^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	24.6973 5819	75	41.9405 0530
51	25.3030 4309	76	42.7294 9262
52	25.9150 6833	77	43.5266 8894
53	26.5335 2964	78	44.3321 4429
54	27.1585 2115	79	45.1459 0669
55	27.7901 3540	80	45.9680 2207
56	28.4284 6327	81	46.7985 3434
57	29.0735 9401	82	47.6374 8531
58	29.7256 1517	83	48.4849 1471
59	30.3846 1261	84	49.3408 6020
60	31.0506 7047	85	50.2053 5730
61	31.7238 7114	86	51.0784 3947
62	32.4042 9526	87	51.9601 3801
63	33.0920 2168	88	52.8504 8211
64	33.7871 2744	89	53.7494 9883
65	34.4896 8778	90	54.6572 1308
66	35.1997 7608	91	55.5736 4763
67	35.9174 6387	92	56.4988 2311
68	36.6428 2082	93	57.4327 5797
69	37.3759 1468	94	58.3754 6852
70	38.1168 1131	95	59.3269 6889
71	38.8655 7464	96	60.2872 7104
72	39.6222 6666	97	61.2563 8477
73	40.3869 4740	98	62.2343 1771
74	41.1596 7492	99	63.2210 7530
75	41.9405 0530	100	64.2166 6079

$e = 62^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	64.2166 6079	125	91.9405 0530
101	65.2210 7530	126	93.1596 7492
102	66.2343 1771	127	94.3869 4740
103	67.2563 8477	128	95.6222 6666
104	68.2872 7104	129	96.8655 7464
105	69.3269 6889	130	98.1168 1131
106	70.3754 6852	131	99.3759 1468
107	71.4327 5797	132	100.6428 2082
108	72.4988 2311	133	101.9174 6387
109	73.5736 4763	134	103.1997 7608
110	74.6572 1308	135	104.4896 8778
111	75.7494 9883	136	105.7871 2744
112	76.8504 8211	137	107.0920 2168
113	77.9601 3801	138	108.4042 9526
114	79.0784 3947	139	109.7238 7114
115	80.2053 5730	140	111.0506 7047
116	81.3408 6020	141	112.3846 1261
117	82.4849 1471	142	113.7256 1517
118	83.6374 8531	143	115.0735 9401
119	84.7985 3434	144	116.4284 6327
120	85.9680 2207	145	117.7901 3540
121	87.1459 0669	146	119.1585 2115
122	88.3321 4429	147	120.5335 2964
123	89.5266 8894	148	121.9150 6833
124	90.7294 9262	149	123.3030 4309
125	91.9405 0530	150	124.6973 5819

$e = 62^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	124.6973 5819	175	161.3063 0893
151	126.0979 1634	176	162.8272 7426
152	127.5046 1871	177	164.3514 8976
153	128.9173 6494	178	165.8788 2610
154	130.3360 5320	179	167.4091 5315
155	131.7605 8019	180	168.9423 4007
156	133.1908 4116	181	170.4782 5530
157	134.6267 2994	182	172.0167 6662
158	136.0681 3900	183	173.5577 4115
159	137.5149 5941	184	175.1010 4541
160	138.9670 8094	185	176.6465 4536
161	140.4243 9202	186	178.1941 0640
162	141.8867 7983	187	179.7435 9342
163	143.3541 3027	188	181.2948 7086
164	144.8263 2804	189	182.8478 0269
165	146.3032 5662	190	184.4022 5247
166	147.7847 9835	191	185.9580 8342
167	149.2708 3440	192	187.5151 5839
168	150.7612 4487	193	189.0733 3992
169	152.2559 0873	194	190.6324 9030
170	153.7547 0395	195	192.1924 7156
171	155.2575 0746	196	193.7531 4554
172	156.7641 9518	197	195.3143 7390
173	158.2746 4212	198	196.8760 1815
174	159.7887 2231	199	198.4379 3974
175	161.3063 0893	200	200.0000 0000

$e = 63^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	11.6244 9531
1	0.4509 9976	26	12.1189 3532
2	0.9021 3498	27	12.6168 0028
3	1.3535 4108	28	13.1182 1409
4	1.8053 5341	29	13.6232 9975
5	2.2577 0725	30	14.1321 7938
6	2.7107 3770	31	14.6449 7415
7	3.1645 7973	32	15.1618 0429
8	3.6193 6809	33	15.6827 8900
9	4.0752 3731	34	16.2080 4647
10	4.5323 2164	35	16.7376 9384
11	4.9907 5504	36	17.2718 4716
12	5.4506 7113	37	17.8106 2137
13	5.9122 0316	38	18.3541 3027
14	6.3754 8401	39	18.9024 8650
15	6.8406 4609	40	19.4558 0149
16	7.3078 2137	41	20.0141 8545
17	7.7771 4131	42	20.5777 4735
18	8.2487 3686	43	21.1465 9487
19	8.7227 3838	44	21.7208 3439
20	9.1992 7567	45	22.3005 7096
21	9.6784 7787	46	22.8859 0827
22	10.1604 7349	47	23.4769 4864
23	10.6453 9033	48	24.0737 9297
24	11.1333 5549	49	24.6765 4074
25	11.6244 9531	50	25.2852 8995

$e = 63^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	25.2852 8995	75	42.7086 7516
51	25.9001 3715	76	43.5025 6557
52	26.5211 7737	77	44.3044 7423
53	27.1485 0410	78	45.1144 5002
54	27.7822 0930	79	45.9325 3983
55	28.4223 8335	80	46.7587 8854
56	29.0691 1503	81	47.5932 3902
57	29.7224 9150	82	48.4359 3212
58	30.3825 9829	83	49.2869 0665
59	31.0495 1926	84	50.1461 9938
60	31.7233 3660	85	51.0138 4503
61	32.4041 3077	86	51.8898 7626
62	33.0919 8055	87	52.7743 2365
63	33.7869 6296	88	53.6672 1571
64	34.4891 5324	89	54.5685 7888
65	35.1986 2488	90	55.4784 3748
66	35.9154 4956	91	56.3968 1376
67	36.6396 9716	92	57.3237 2786
68	37.3714 3570	93	58.2591 9781
69	38.1107 3139	94	59.2032 3953
70	38.8576 4854	95	60.1558 6683
71	39.6122 4960	96	61.1170 9141
72	40.3745 9512	97	62.0869 2281
73	41.1447 4374	98	63.0653 6850
74	41.9227 5216	99	64.0524 3378
75	42.7086 7516	100	65.0481 2186

$e = 63^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	65.0481 2186	125	92.7086 7516
101	66.0524 3378	126	93.9227 5216
102	67.0653 6850	127	95.1447 4374
103	68.0869 2281	128	96.3745 9512
104	69.1170 9141	129	97.6122 4960
105	70.1558 6683	130	98.8576 4854
106	71.2032 3953	131	100.1107 3139
107	72.2591 9781	132	101.3714 3570
108	73.3237 2786	133	102.6396 9716
109	74.3968 1376	134	103.9154 4956
110	75.4784 3748	135	105.1986 2488
111	76.5685 7888	136	106.4891 5324
112	77.6672 1571	137	107.7869 6296
113	78.7743 2365	138	109.0919 8055
114	79.8898 7626	139	110.4041 3077
115	81.0138 4503	140	111.7233 3660
116	82.1461 9938	141	113.0495 1926
117	83.2869 0665	142	114.3825 9829
118	84.4359 3212	143	115.7224 9150
119	85.5932 3902	144	117.0691 1503
120	86.7587 8854	145	118.4223 8335
121	87.9325 3983	146	119.7822 0930
122	89.1144 5002	147	121.1485 0410
123	90.3044 7423	148	122.5211 7737
124	91.5025 6557	149	123.9001 3715
125	92.7086 7516	150	125.2852 8995

$e = 63^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	125.2852 8995	175	161.6244 9531
151	126.6765 4074	176	163.1333 5549
152	128.0737 9297	177	164.6453 9033
153	129.4769 4864	178	166.1604 7349
154	130.8859 0827	179	167.6784 7787
155	132.3005 7096	180	169.1992 7567
156	133.7208 3439	181	170.7227 3838
157	135.1465 9487	182	172.2487 3686
158	136.5777 4735	183	173.7771 4131
159	138.0141 8545	184	175.3078 2137
160	139.4558 0149	185	176.8406 4609
161	140.9024 8650	186	178.3754 8401
162	142.3541 3027	187	179.9122 0316
163	143.8106 2137	188	181.4506 7113
164	145.2718 4716	189	182.9907 5504
165	146.7376 9384	190	184.5323 2164
166	148.2080 4647	191	186.0752 3731
167	149.6827 8900	192	187.6193 6809
168	151.1618 0429	193	189.1645 7973
169	152.6449 7415	194	190.7107 3770
170	154.1321 7938	195	192.2577 0725
171	155.6232 9975	196	193.8053 5341
172	157.1182 1409	197	195.3535 4108
173	158.6168 0028	198	196.9021 3498
174	160.1189 3532	199	198.4509 9976
175	161.6244 9531	200	200.0000 0000

$e = 64^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	11.9459 8188
1	0.4641 9524	26	12.4525 7328
2	0.9285 2268	27	12.9625 0729
3	1.3931 1449	28	13.4759 0485
4	1.8581 0278	29	13.9928 8601
5	2.3236 1955	30	14.5135 6995
6	2.7897 9668	31	15.0380 7493
7	3.2567 6587	32	15.5665 1828
8	3.7246 5865	33	16.0990 1635
9	4.1936 0631	34	16.6356 8448
10	4.6637 3988	35	17.1766 3700
11	5.1351 9008	36	17.7219 8717
12	5.6080 8734	37	18.2718 4716
13	6.0825 6171	38	18.8263 2804
14	6.5587 4286	39	19.3855 3974
15	7.0367 6002	40	19.9495 9101
16	7.5167 4199	41	20.5185 8943
17	7.9988 1708	42	21.0926 4132
18	8.4831 1308	43	21.6718 5179
19	8.9697 5723	44	22.2563 2467
20	9.4588 7618	45	22.8461 6247
21	9.9505 9601	46	23.4414 6639
22	10.4450 4211	47	24.0423 3630
23	10.9423 3922	48	24.6488 7067
24	11.4426 1138	49	25.2611 6658
25	11.9459 8188	50	25.8793 1969

$$e = 64^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	25.8793 1969	75	43.4848 1242
51	26.5034 2422	76	44.2836 5677
52	27.1335 7291	77	45.0903 2665
53	27.7698 5703	78	45.9048 6976
54	28.4123 6630	79	46.7273 3187
55	29.0611 8893	80	47.5577 5677
56	29.7164 1159	81	48.3961 8631
57	30.3781 1932	82	49.2426 6036
58	31.0463 9560	83	50.0972 1679
59	31.7213 2228	84	50.9598 9149
60	32.4029 7957	85	51.8307 1834
61	33.0914 4601	86	52.7097 2921
62	33.7867 9847	87	53.5969 5396
63	34.4891 1211	88	54.4924 2042
64	35.1984 6039	89	55.3961 5436
65	35.9149 1502	90	56.3081 7956
66	36.6385 4595	91	57.2285 1770
67	37.3694 2139	92	58.1571 8845
68	38.1076 0773	93	59.0942 0941
69	38.8531 6957	94	60.0395 9612
70	39.6061 6968	95	60.9933 6205
71	40.3666 6903	96	61.9555 1861
72	41.1347 2668	97	62.9260 7513
73	41.9103 9988	98	63.9050 3889
74	42.6937 4398	99	64.8924 1506
75	43.4848 1242	100	65.8882 0678

$e = 64^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	65.8882 0678	125	93.4848 1242
101	66.8924 1506	126	94.6937 4398
102	67.9050 3889	127	95.9103 9988
103	68.9260 7513	128	97.1347 2668
104	69.9555 1861	129	98.3666 6903
105	70.9933 6205	130	99.6061 6968
106	72.0395 9612	131	100.8531 6957
107	73.0942 0941	132	102.1076 0773
108	74.1571 8845	133	103.3694 2139
109	75.2285 1770	134	104.6385 4595
110	76.3081 7956	135	105.9149 1502
111	77.3961 5436	136	107.1984 6039
112	78.4924 2042	137	108.4891 1211
113	79.5969 5396	138	109.7867 9847
114	80.7097 2921	139	111.0914 4601
115	81.8307 1834	140	112.4029 7957
116	82.9598 9149	141	113.7213 2228
117	84.0972 1679	142	115.0463 9560
118	85.2426 6036	143	116.3781 1932
119	86.3961 8631	144	117.7164 1159
120	87.5577 5677	145	119.0611 8893
121	88.7273 3187	146	120.4123 6630
122	89.9048 6976	147	121.7698 5703
123	91.0903 2665	148	123.1335 7291
124	92.2836 5677	149	124.5034 2422
125	93.4848 1242	150	125.8793 1969

$e = 64^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	125.8793 1969	175	161.9459 8188
151	127.2611 6658	176	163.4426 1138
152	128.6488 7067	177	164.9423 3922
153	130.0423 3630	178	166.4450 4211
154	131.4414 6639	179	167.9505 9601
155	132.8461 6247	180	169.4588 7618
156	134.2563 2467	181	170.9697 5723
157	135.6718 5179	182	172.4831 1308
158	137.0926 4132	183	173.9988 1708
159	138.5185 8943	184	175.5167 4199
160	139.9495 9101	185	177.0367 6002
161	141.3855 3974	186	178.5587 4286
162	142.8263 2804	187	180.0825 6171
163	144.2718 4716	188	181.6080 8734
164	145.7219 8717	189	183.1351 9008
165	147.1766 3700	190	184.6637 3988
166	148.6356 8448	191	186.1936 0631
167	150.0990 1635	192	187.7246 5865
168	151.5665 1828	193	189.2567 6587
169	153.0380 7493	194	190.7897 9668
170	154.5135 6995	195	192.3236 1955
171	155.9928 8601	196	193.8581 0278
172	157.4759 0485	197	195.3931 1449
173	158.9625 0729	198	196.9285 2268
174	160.4525 7328	199	198.4641 9524
175	161.9459 8188	200	200.0000 0000

$e = 65^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	12.2706 8935
1	0.4775 2292	26	12.7895 5385
2	0.9551 7476	27	13.3116 7784
3	1.4330 8439	28	13.8371 7921
4	1.9113 8063	29	14.3661 7505
5	2.3901 9221	30	14.8987 8156
6	2.8696 4772	31	15.4351 1408
7	3.3498 7560	32	15.9752 8699
8	3.8310 0409	33	16.5194 1377
9	4.3131 6122	34	17.0676 0688
10	4.7964 7475	35	17.6199 7781
11	5.2810 7218	36	18.1766 3700
12	5.7670 8067	37	18.7376 9384
13	6.2546 2703	38	19.3032 5662
14	6.7438 3772	39	19.8734 3255
15	7.2348 3876	40	20.4483 2768
16	7.7277 5573	41	21.0280 4688
17	8.2227 1376	42	21.6126 9387
18	8.7198 3745	43	22.2023 7112
19	9.2192 5088	44	22.7971 7987
20	9.7210 7757	45	23.3972 2010
21	10.2254 4042	46	24.0025 9050
22	10.7324 6174	47	24.6133 8842
23	11.2422 6315	48	25.2297 0991
24	11.7549 6561	49	25.8516 4963
25	12.2706 8935	50	26.4793 0085

$e = 65^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	26.4793 0085	75	44.2687 2558
51	27.1127 5546	76	45.0725 7350
52	27.7521 0388	77	45.8840 5230
53	28.3974 3511	78	46.7032 0850
54	29.0488 3666	79	47.5300 8670
55	29.7063 9453	80	48.3647 2964
56	30.3701 9322	81	49.2071 7811
57	31.0403 1568	82	50.0574 7098
58	31.7168 4331	83	50.9156 4520
59	32.3998 5591	84	51.7817 3574
60	33.0894 3170	85	52.6557 7567
61	33.7856 4727	86	53.5377 9604
62	34.4885 7757	87	54.4278 2598
63	35.1982 9591	88	55.3258 9261
64	35.9148 7390	89	56.2320 2110
65	36.6383 8147	90	57.1462 3459
66	37.3688 8685	91	58.0685 5425
67	38.1064 5653	92	58.9989 9926
68	38.8511 5525	93	59.9375 8677
69	39.6030 4602	94	60.8843 3193
70	40.3621 9005	95	61.8392 4789
71	41.1286 4676	96	62.8023 4577
72	41.9024 7379	97	63.7736 3468
73	42.6837 2692	98	64.7531 2169
74	43.4724 6015	99	65.7408 1188
75	44.2687 2558	100	66.7367 0827

$e = 65^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	66.7367 0827	125	94.2687 2558
101	67.7408 1188	126	95.4724 6015
102	68.7531 2169	127	96.6837 2692
103	69.7736 3468	128	97.9024 7379
104	70.8023 4577	129	99.1286 4676
105	71.8392 4789	130	100.3621 9005
106	72.8843 3193	131	101.6030 4602
107	73.9375 8677	132	102.8511 5525
108	74.9989 9926	133	104.1064 5653
109	76.0685 5425	134	105.3688 8685
110	77.1462 3459	135	106.6383 8147
111	78.2320 2110	136	107.9148 7390
112	79.3258 9261	137	109.1982 9591
113	80.4278 2598	138	110.4885 7757
114	81.5377 9604	139	111.7856 4727
115	82.6557 7567	140	113.0894 3170
116	83.7817 3574	141	114.3998 5591
117	84.9156 4520	142	115.7168 4331
118	86.0574 7098	143	117.0403 1568
119	87.2071 7811	144	118.3701 9322
120	88.3647 2964	145	119.7063 9453
121	89.5300 8670	146	121.0488 3666
122	90.7032 0850	147	122.3974 3511
123	91.8840 5230	148	123.7521 0388
124	93.0725 7350	149	125.1127 5546
125	94.2687 2558	150	126.4793 0085

$e = 65^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	126.4793 0085	175	162.2706 8935
151	127.8516 4963	176	163.7549 6561
152	129.2297 0991	177	165.2422 6315
153	130.6133 8842	178	166.7324 6174
154	132.0025 9050	179	168.2254 4042
155	133.3972 2010	180	169.7210 7757
156	134.7971 7987	181	171.2192 5088
157	136.2023 7112	182	172.7198 3745
158	137.6126 9387	183	174.2227 1376
159	139.0280 4688	184	175.7277 5573
160	140.4483 2768	185	177.2348 3876
161	141.8734 3255	186	178.7438 3772
162	143.3032 5662	187	180.2546 2703
163	144.7376 9384	188	181.7670 8067
164	146.1766 3700	189	183.2810 7218
165	147.6199 7781	190	184.7964 7475
166	149.0676 0688	191	186.3131 6122
167	150.5194 1377	192	187.8310 0409
168	151.9752 8699	193	189.3498 7560
169	153.4351 1408	194	190.8696 4772
170	154.8987 8156	195	192.3901 9221
171	156.3661 7505	196	193.9113 8063
172	157.8371 7921	197	195.4330 8439
173	159.3116 7784	198	196.9551 7476
174	160.7895 5385	199	198.4775 2292
175	162.2706 8935	200	200.0000 0000

$e = 66^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	12.5985 3758
1	0.4909 7952	26	13.1297 9391
2	0.9820 8463	27	13.6642 2577
3	1.4734 4089	28	14.2019 4804
4	1.9651 7382	29	14.7430 7477
5	2.4574 0880	30	15.2877 1918
6	2.9502 7113	31	15.8359 9363
7	3.4438 8594	32	16.3880 0956
8	3.9383 7816	33	16.9438 7753
9	4.4338 7253	34	17.5037 0710
10	4.9304 9352	35	18.0676 0688
11	5.4283 6534	36	18.6356 8448
12	5.9276 1187	37	19.2080 4647
13	6.4283 5668	38	19.7847 9835
14	6.9307 2294	39	20.3660 4456
15	7.4348 3344	40	20.9518 8842
16	7.9408 1052	41	21.5424 3212
17	8.4487 7610	42	22.1377 7668
18	8.9588 5156	43	22.7380 2195
19	9.4711 5779	44	23.3432 6656
20	9.9858 1512	45	23.9536 0790
21	10.5029 4329	46	24.5691 4213
22	11.0226 6146	47	25.1899 6411
23	11.5450 8813	48	25.8161 6738
24	12.0703 4112	49	26.4478 4418
25	12.5985 3758	50	27.0850 8539

$e = 66^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	27.0850 8539	75	45.0602 2123
51	27.7279 8051	76	45.8691 2112
52	28.3766 1765	77	46.6854 5535
53	29.0310 8351	78	47.5092 6925
54	29.6914 6335	79	48.3406 0627
55	30.3578 4095	80	49.1795 0805
56	31.0302 9863	81	50.0260 1431
57	31.7089 1721	82	50.8801 6295
58	32.3937 7599	83	51.7419 8994
59	33.0849 5272	84	52.6115 2938
60	33.7825 2361	85	53.4888 1345
61	34.4865 6326	86	54.3738 7243
62	35.1971 4470	87	55.2667 3469
63	35.9143 3935	88	56.1674 2666
64	36.6382 1698	89	57.0759 7284
65	37.3688 4573	90	57.9923 9579
66	38.1062 9204	91	58.9167 1614
67	38.8506 2071	92	59.8489 5256
68	39.6018 9482	93	60.7891 2178
69	40.3601 7574	94	61.7372 3854
70	41.1255 2310	95	62.6933 1566
71	41.8979 9481	96	63.6573 6397
72	42.6776 4700	97	64.6293 9234
73	43.4645 3405	98	65.6094 0767
74	44.2587 0853	99	66.5974 1490
75	45.0602 2123	100	67.5934 1698

$e = 66^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	67.5934 1698	125	95.0602 2123
101	68.5974 1490	126	96.2587 0853
102	69.6094 0767	127	97.4645 3405
103	70.6293 9234	128	98.6776 4700
104	71.6573 6397	129	99.8979 9481
105	72.6933 1566	130	101.1255 2310
106	73.7372 3854	131	102.3601 7574
107	74.7891 2178	132	103.6018 9482
108	75.8489 5256	133	104.8506 2071
109	76.9167 1614	134	106.1062 9204
110	77.9923 9579	135	107.3688 4573
111	79.0759 7284	136	108.6382 1698
112	80.1674 2666	137	109.9143 3935
113	81.2667 3469	138	111.1971 4470
114	82.3738 7243	139	112.4865 6326
115	83.4888 1345	140	113.7825 2361
116	84.6115 2938	141	115.0849 5272
117	85.7419 8994	142	116.3937 7599
118	86.8801 6295	143	117.7089 1721
119	88.0260 1431	144	119.0302 9863
120	89.1795 0805	145	120.3578 4095
121	90.3406 0627	146	121.6914 6335
122	91.5092 6925	147	123.0310 8351
123	92.6854 5535	148	124.3766 1765
124	93.8691 2112	149	125.7279 8051
125	95.0602 2123	150	127.0850 8539

$e = 66^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	127.0850 8539	175	162.5985 3758
151	128.4478 4418	176	164.0703 4112
152	129.8161 6738	177	165.5450 8813
153	131.1899 6411	178	167.0226 6146
154	132.5691 4213	179	168.5029 4329
155	133.9536 0790	180	169.9858 1512
156	135.3432 6656	181	171.4711 5779
157	136.7380 2195	182	172.9588 5156
158	138.1377 7668	183	174.4487 7610
159	139.5424 3212	184	175.9408 1052
160	140.9518 8842	185	177.4348 3344
161	142.3660 4456	186	178.9307 2294
162	143.7847 9835	187	180.4283 5668
163	145.2080 4647	188	181.9276 1187
164	146.6356 8448	189	183.4283 6534
165	148.0676 0688	190	184.9304 9352
166	149.5037 0710	191	186.4338 7253
167	150.9438 7753	192	187.9383 7816
168	152.3880 0956	193	189.4438 8594
169	153.8359 9363	194	190.9502 7113
170	155.2877 1918	195	192.4574 0880
171	156.7430 7477	196	193.9651 7382
172	158.2019 4804	197	195.4734 4089
173	159.6642 2577	198	196.9820 8463
174	161.1297 9391	199	198.4909 7952
175	162.5985 3758	200	200.0000 0000

$e = 67^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	12.9294 4568
1	0.5045 6171	26	13.4732 0950
2	1.0092 4565	27	14.0200 6411
3	1.5141 7406	28	14.5701 2133
4	2.0194 6906	29	15.1234 9217
5	2.5252 5274	30	15.6802 8683
6	3.0316 4702	31	16.2406 1467
7	3.5387 7370	32	16.8045 8416
8	4.0467 5438	33	17.3723 0289
9	4.5557 1047	34	17.9438 7753
10	5.0657 6311	35	18.5194 1377
11	5.5770 3321	36	19.0990 1635
12	6.0896 4135	37	19.6827 8900
13	6.6037 0777	38	20.2708 3440
14	7.1193 5239	39	20.8632 5422
15	7.6366 9470	40	21.4601 4900
16	8.1558 5380	41	22.0616 1822
17	8.6769 4833	42	22.6677 6020
18	9.2000 9644	43	23.2786 7212
19	9.7254 1580	44	23.8944 4998
20	10.2530 2352	45	24.5151 8859
21	10.7830 3616	46	25.1409 8151
22	11.3155 6969	47	25.7719 2109
23	11.8507 3943	48	26.4080 9838
24	12.3886 6010	49	27.0496 0314
25	12.9294 4568	50	27.6965 2384

$$e = 67^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	27.6965 2384	75	45.8591 0406
51	28.3489 4759	76	46.6731 0308
52	29.0069 6014	77	47.4943 3806
53	29.6706 4589	78	48.3228 5313
54	30.3400 8780	79	49.1586 9059
55	31.0153 6744	80	50.0018 9094
56	31.6965 6494	81	50.8524 9288
57	32.3837 5894	82	51.7105 3327
58	33.0770 2663	83	52.5760 4713
59	33.7764 4369	84	53.4490 6764
60	34.4820 8428	85	54.3296 2614
61	35.1940 2104	86	55.2177 5210
62	35.9123 2504	87	56.1134 7311
63	36.6370 6578	88	57.0168 1491
64	37.3683 1118	89	57.9278 0135
65	38.1061 2756	90	58.8464 5439
66	38.8505 7959	91	59.7727 9410
67	39.6017 3034	92	60.7068 3866
68	40.3596 4119	93	61.6486 0434
69	41.1243 7190	94	62.5981 0550
70	41.8959 8050	95	63.5553 5461
71	42.6745 2334	96	64.5203 6222
72	43.4600 5507	97	65.4931 3696
73	44.2526 2861	98	66.4736 8554
74	45.0522 9513	99	67.4620 1277
75	45.8591 0406	100	68.4581 2153

$e = 67^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	68.4581 2153	125	95.8591 0406
101	69.4620 1277	126	97.0522 9513
102	70.4736 8554	127	98.2526 2861
103	71.4931 3696	128	99.4600 5507
104	72.5203 6222	129	100.6745 2334
105	73.5553 5461	130	101.8959 8050
106	74.5981 0550	131	103.1243 7190
107	75.6486 0434	132	104.3596 4119
108	76.7068 3866	133	105.6017 3034
109	77.7727 9410	134	106.8505 7959
110	78.8464 5439	135	108.1061 2756
111	79.9278 0135	136	109.3683 1118
112	81.0168 1491	137	110.6370 6578
113	82.1134 7311	138	111.9123 2504
114	83.2177 5210	139	113.1940 2104
115	84.3296 2614	140	114.4820 8428
116	85.4490 6764	141	115.7764 4369
117	86.5760 4713	142	117.0770 2663
118	87.7105 3327	143	118.3837 5894
119	88.8524 9288	144	119.6965 6494
120	90.0018 9094	145	121.0153 6744
121	91.1586 9059	146	122.3400 8780
122	92.3228 5313	147	123.6706 4589
123	93.4943 3806	148	125.0069 6014
124	94.6731 0308	149	126.3489 4759
125	95.8591 0406	150	127.6965 2384

$e = 67^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	127.6965 2384	175	162.9294 4568
151	129.0496 0314	176	164.3886 6010
152	130.4080 9838	177	165.8507 3943
153	131.7719 2109	178	167.3155 6969
154	133.1409 8151	179	168.7830 3616
155	134.5151 8859	180	170.2530 2352
156	135.8944 4998	181	171.7254 1580
157	137.2786 7212	182	173.2000 9644
158	138.6677 6020	183	174.6769 4833
159	140.0616 1822	184	176.1558 5380
160	141.4601 4900	185	177.6366 9470
161	142.8632 5422	186	179.1193 5239
162	144.2708 3440	187	180.6037 0777
163	145.6827 8900	188	182.0896 4135
164	147.0990 1635	189	183.5770 3321
165	148.5194 1377	190	185.0657 6311
166	149.9438 7753	191	186.5557 1047
167	151.3723 0289	192	188.0467 5438
168	152.8045 8416	193	189.5387 7370
169	154.2406 1467	194	191.0316 4702
170	155.6802 8683	195	192.5252 5274
171	157.1234 9217	196	194.0194 6906
172	158.5701 2133	197	195.5141 7406
173	160.0200 6411	198	197.0092 4565
174	161.4732 0950	199	198.5045 6171
175	162.9294 4568	200	200.0000 0000

$e = 68^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	13.2633 3202
1	0.5182 6614	26	13.8197 1588
2	1.0366 5113	27	14.3791 0506
3	1.5552 7382	28	14.9416 0824
4	2.0742 5298	29	15.5073 3339
5	2.5937 0728	30	16.0763 8766
6	3.1137 5530	31	16.6488 7736
7	3.6345 1546	32	17.2249 0799
8	4.1561 0600	33	17.8045 8416
9	4.6786 4496	34	18.3880 0956
10	5.2022 5016	35	18.9752 8699
11	5.7270 3912	36	19.5665 1828
12	6.2531 2912	37	20.1618 0429
13	6.7806 3706	38	20.7612 4487
14	7.3096 7954	39	21.3649 3885
15	7.8403 7276	40	21.9729 8402
16	8.3728 3250	41	22.5854 7708
17	8.9071 7414	42	23.2025 1366
18	9.4435 1256	43	23.8241 8823
19	9.9819 6217	44	24.4505 9415
20	10.5226 3684	45	25.0818 2359
21	11.0656 4991	46	25.7179 6754
22	11.6111 1413	47	26.3591 1578
23	12.1591 4165	48	27.0053 5685
24	12.7098 4400	49	27.6567 7804
25	13.2633 3202	50	28.3134 6534

$e = 68^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	28.3134 6534	75	46.6651 7698
51	28.9755 0347	76	47.4843 2101
52	29.6429 7582	77	48.3105 0085
53	30.3159 6443	78	49.1437 5940
54	30.9945 4999	79	49.9841 3780
55	31.6788 1179	80	50.8316 7543
56	32.3688 2775	81	51.6864 0990
57	33.0646 7435	82	52.5483 7706
58	33.7664 2663	83	53.4176 1097
59	34.4741 5818	84	54.2941 4389
60	35.1879 4112	85	55.1780 0629
61	35.9078 4606	86	56.0692 2682
62	36.6339 4212	87	56.9678 3232
63	37.3662 9687	88	57.8738 4781
64	38.1049 7635	89	58.7872 9647
65	38.8500 4505	90	59.7081 9967
66	39.6015 6585	91	60.6365 7691
67	40.3596 0007	92	61.5724 4588
68	41.1242 0741	93	62.5158 2239
69	41.8954 4595	94	63.4667 2041
70	42.6733 7214	95	64.4251 5206
71	43.4580 4076	96	65.3911 2760
72	44.2495 0495	97	66.3646 5542
73	45.0478 1615	98	67.3457 4206
74	45.8530 2414	99	68.3343 9217
75	46.6651 7698	100	69.3306 0857

$e = 68^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	69.3306 0857	125	96.6651 7698
101	70.3343 9217	126	97.8530 2414
102	71.3457 4206	127	99.0478 1615
103	72.3646 5542	128	100.2495 0495
104	73.3911 2760	129	101.4580 4076
105	74.4251 5206	130	102.6733 7214
106	75.4667 2041	131	103.8954 4595
107	76.5158 2239	132	105.1242 0741
108	77.5724 4588	133	106.3596 0007
109	78.6365 7691	134	107.6015 6585
110	79.7081 9967	135	108.8500 4505
111	80.7872 9647	136	110.1049 7635
112	81.8738 4781	137	111.3662 9687
113	82.9678 3232	138	112.6339 4212
114	84.0692 2682	139	113.9078 4606
115	85.1780 0629	140	115.1879 4112
116	86.2941 4389	141	116.4741 5818
117	87.4176 1097	142	117.7664 2663
118	88.5483 7706	143	119.0646 7435
119	89.6864 0990	144	120.3688 2775
120	90.8316 7543	145	121.6788 1179
121	91.9841 3780	146	122.9945 4999
122	93.1437 5940	147	124.3159 6443
123	94.3105 0085	148	125.6429 7582
124	95.4843 2101	149	126.9755 0347
125	96.6651 7698	150	128.3134 6534

$e = 68^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	128.3134 6534	175	163.2633 3202
151	129.6567 7804	176	164.7098 4400
152	131.0053 5685	177	166.1591 4165
153	132.3591 1578	178	167.6111 1413
154	133.7179 6754	179	169.0656 4991
155	135.0818 2359	180	170.5226 3684
156	136.4505 9415	181	171.9819 6217
157	137.8241 8823	182	173.4435 1256
158	139.2025 1366	183	174.9071 7414
159	140.5854 7708	184	176.3728 3250
160	141.9729 8402	185	177.8403 7276
161	143.3649 3885	186	179.3096 7954
162	144.7612 4487	187	180.7806 3706
163	146.1618 0429	188	182.2531 2912
164	147.5665 1828	189	183.7270 3912
165	148.9752 8699	190	185.2022 5016
166	150.3880 0956	191	186.6786 4496
167	151.8045 8416	192	188.1561 0600
168	153.2249 0799	193	189.6345 1546
169	154.6488 7736	194	191.1137 5530
170	156.0763 8766	195	192.5937 0728
171	157.5073 3339	196	194.0742 5298
172	158.9416 0824	197	195.5552 7382
173	160.3791 0506	198	197.0366 5113
174	161.8197 1588	199	198.5182 6614
175	163.2633 3202	200	200.0000 0000

$e = 69^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	13.6001 1420
1	0.5320 8943	26	14.1692 2757
2	1.0642 9431	27	14.7412 6002
3	1.5967 3006	28	15.3163 1712
4	2.1295 1204	29	15.8945 0373
5	2.6627 5554	30	16.4759 2392
6	3.1965 7572	31	17.0606 8098
7	3.7310 8761	32	17.6488 7736
8	4.2664 0605	33	18.2406 1467
9	4.8026 4569	34	18.8359 9363
10	5.3399 2097	35	19.4351 1408
11	5.8783 4606	36	20.0380 7493
12	6.4180 3484	37	20.6449 7415
13	6.9591 0088	38	21.2559 0873
14	7.5016 5743	39	21.8709 7466
15	8.0458 1734	40	22.4902 6693
16	8.5916 9310	41	23.1138 7946
17	9.1393 9674	42	23.7419 0512
18	9.6890 3987	43	24.3744 3569
19	10.2407 3361	44	25.0115 6184
20	10.7945 8856	45	25.6533 7310
21	11.3507 1481	46	26.2999 5786
22	11.9092 2188	47	26.9514 0331
23	12.4702 1869	48	27.6077 9544
24	13.0338 1357	49	28.2692 1905
25	13.6001 1420	50	28.9357 5767

$e = 69^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	28.9357 5767	75	47.4782 4109
51	29.6074 9358	76	48.3025 7476
52	30.2845 0776	77	49.1337 4235
53	30.9668 7992	78	49.9717 8552
54	31.6546 8842	79	50.8167 4424
55	32.3480 1029	80	51.6686 5676
56	33.0469 2121	81	52.5275 5960
57	33.7514 9545	82	53.3934 8760
58	34.4618 0591	83	54.2664 7383
59	35.1779 2407	84	55.1465 4962
60	35.8999 1997	85	56.0337 4457
61	36.6278 6220	86	56.9280 8652
62	37.3618 1789	87	57.8296 0152
63	38.1018 5269	88	58.7383 1388
64	38.8480 3073	89	59.6542 4612
65	39.6004 1465	90	60.5774 1899
66	40.3590 6553	91	61.5078 5144
67	41.1240 4293	92	62.4455 6064
68	41.8954 0483	93	63.3905 6195
69	42.6732 0765	94	64.3428 6895
70	43.4575 0622	95	65.3024 9340
71	44.2483 5375	96	66.2694 4527
72	45.0458 0184	97	67.2437 3271
73	45.8499 0048	98	68.2253 6206
74	46.6606 9800	99	69.2143 3785
75	47.4782 4109	100	70.2106 6282

$e = 69^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	70.2106 6282	125	97.4782 4109
101	71.2143 3785	126	98.6606 9800
102	72.2253 6206	127	99.8499 0048
103	73.2437 3271	128	101.0458 0184
104	74.2694 4527	129	102.2483 5375
105	75.3024 9340	130	103.4575 0622
106	76.3428 6895	131	104.6732 0765
107	77.3905 6195	132	105.8954 0483
108	78.4455 6064	133	107.1240 4293
109	79.5078 5144	134	108.3590 6553
110	80.5774 1899	135	109.6004 1465
111	81.6542 4612	136	110.8480 3073
112	82.7383 1388	137	112.1018 5269
113	83.8296 0152	138	113.3618 1789
114	84.9280 8652	139	114.6278 6220
115	86.0337 4457	140	115.8999 1997
116	87.1465 4962	141	117.1779 2407
117	88.2664 7383	142	118.4618 0591
118	89.3934 8760	143	119.7514 9545
119	90.5275 5960	144	121.0469 2121
120	91.6686 5676	145	122.3480 1029
121	92.8167 4424	146	123.6546 8842
122	93.9717 8552	147	124.9668 7992
123	95.1337 4235	148	126.2845 0776
124	96.3025 7476	149	127.6074 9358
125	97.4782 4109	150	128.9357 5767

$e = 69^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	128.9357 5767	175	163.6001 1420
151	130.2692 1905	176	165.0338 1357
152	131.6077 9544	177	166.4702 1869
153	132.9514 0331	178	167.9092 2188
154	134.2999 5786	179	169.3507 1481
155	135.6533 7310	180	170.7945 8856
156	137.0115 6184	181	172.2407 3361
157	138.3744 3569	182	173.6890 3987
158	139.7419 0512	183	175.1393 9674
159	141.1138 7946	184	176.5916 9310
160	142.4902 6693	185	178.0458 1734
161	143.8709 7466	186	179.5016 5743
162	145.2559 0873	187	180.9591 0088
163	146.6449 7415	188	182.4180 3484
164	148.0380 7493	189	183.8783 4606
165	149.4351 1408	190	185.3399 2097
166	150.8359 9363	191	186.8026 4569
167	152.2406 1467	192	188.2664 0605
168	153.6488 7736	193	189.7310 8761
169	155.0606 8098	194	191.1965 7572
170	156.4759 2392	195	192.6627 5554
171	157.8945 0373	196	194.1295 1204
172	159.3163 1712	197	195.5967 3006
173	160.7412 6002	198	197.0642 9431
174	162.1692 2757	199	198.5320 8943
175	163.6001 1420	200	200.0000 0000

$e = 70^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	13.9397 0913
1	0.5460 2817	26	14.5216 5833
2	1.0921 6835	27	15.1064 3964
3	1.6385 3252	28	15.6941 5550
4	2.1852 3262	29	16.2849 0765
5	2.7323 8048	30	16.8787 9706
6	3.2800 8785	31	17.4759 2392
7	3.8284 6631	32	18.0763 8766
8	4.3776 2730	33	18.6802 8683
9	4.9276 8205	34	19.2877 1918
10	5.4787 4159	35	19.8987 8156
11	6.0309 1669	36	20.5135 6995
12	6.5843 1783	37	21.1321 7938
13	7.1390 5520	38	21.7547 0395
14	7.6952 3868	39	22.3812 3681
15	8.2529 7777	40	23.0118 7010
16	8.8123 8158	41	23.6466 9496
17	9.3735 5883	42	24.2858 0149
18	9.9366 1778	43	24.9292 7873
19	10.5016 6626	44	25.5772 1464
20	11.0688 1158	45	26.2296 9611
21	11.6381 6053	46	26.8868 0887
22	12.2098 1937	47	27.5486 3752
23	12.7838 9380	48	28.2152 6550
24	13.3604 8889	49	28.8867 7508
25	13.9397 0913	50	29.5632 4729

$$e = 70^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	29.5632 4729	75	48.2980 9578
51	30.2447 6196	76	49.1276 6243
52	30.9313 9767	77	49.9638 5943
53	31.6232 3175	78	50.8067 2719
54	32.3203 4023	79	51.6563 0448
55	33.0227 9784	80	52.5126 2842
56	33.7306 7799	81	53.3757 3446
57	34.4440 5277	82	54.2456 5637
58	35.1629 9288	83	55.1224 2625
59	35.8875 6769	84	56.0060 7451
60	36.6178 4515	85	56.8966 2985
61	37.3538 9180	86	57.7941 1927
62	38.0957 7277	87	58.6985 6807
63	38.8435 5176	88	59.6099 9983
64	39.5972 9099	89	60.5284 3640
65	40.3570 5122	90	61.4538 9789
66	41.1228 9173	91	62.3864 0271
67	41.8948 7029	92	63.3259 6751
68	42.6730 4317	93	64.2726 0720
69	43.4574 6510	94	65.2263 3494
70	44.2481 8926	95	66.1871 6215
71	45.0452 6730	96	67.1550 9850
72	45.8487 4928	97	68.1301 5190
73	46.6586 8369	98	69.1123 2850
74	47.4751 1743	99	70.1016 3270
75	48.2980 9578	100	71.0980 6714

$e = 70^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	71.0980 6714	125	98.2980 9578
101	72.1016 3270	126	99.4751 1743
102	73.1123 2850	127	100.6586 8369
103	74.1301 5190	128	101.8487 4928
104	75.1550 9850	129	103.0452 6730
105	76.1871 6215	130	104.2481 8926
106	77.2263 3494	131	105.4574 6510
107	78.2726 0720	132	106.6730 4317
108	79.3259 6751	133	107.8948 7029
109	80.3864 0271	134	109.1228 9173
110	81.4538 9789	135	110.3570 5122
111	82.5284 3640	136	111.5972 9099
112	83.6099 9983	137	112.8435 5176
113	84.6985 6807	138	114.0957 7277
114	85.7941 1927	139	115.3538 9180
115	86.8966 2985	140	116.6178 4515
116	88.0060 7451	141	117.8875 6769
117	89.1224 2625	142	119.1629 9288
118	90.2456 5637	143	120.4440 5277
119	91.3757 3446	144	121.7306 7799
120	92.5126 2842	145	123.0227 9784
121	93.6563 0448	146	124.3203 4023
122	94.8067 2719	147	125.6232 3175
123	95.9638 5943	148	126.9313 9767
124	97.1276 6243	149	128.2447 6196
125	98.2980 9578	150	129.5632 4729

$e = 70^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	129.5632 4729	175	163.9397 0913
151	130.8867 7508	176	165.3604 8889
152	132.2152 6550	177	166.7838 9380
153	133.5486 3752	178	168.2098 1937
154	134.8868 0887	179	169.6381 6053
155	136.2296 9611	180	171.0688 1158
156	137.5772 1464	181	172.5016 6626
157	138.9292 7873	182	173.9366 1778
158	140.2858 0149	183	175.3735 5883
159	141.6466 9496	184	176.8123 8158
160	143.0118 7010	185	178.2529 7777
161	144.3812 3681	186	179.6952 3868
162	145.7547 0395	187	181.1390 5520
163	147.1321 7938	188	182.5843 1783
164	148.5135 6995	189	184.0309 1669
165	149.8987 8156	190	185.4787 4159
166	151.2877 1918	191	186.9276 8205
167	152.6802 8683	192	188.3776 2730
168	154.0763 8766	193	189.8284 6631
169	155.4759 2392	194	191.2800 8785
170	156.8787 9706	195	192.7323 8048
171	158.2849 0765	196	194.1852 3262
172	159.6941 5550	197	195.6385 3252
173	161.1064 3964	198	197.0921 6835
174	162.5216 5833	199	198.5460 2817
175	163.9397 0913	200	200.0000 0000

$e = 71^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	14.2820 3302
1	0.5600 7892	26	14.8769 2119
2	1.1202 6639	27	15.4745 5382
3	1.6806 7091	28	16.0750 3017
4	2.2414 0097	29	16.6784 4883
5	2.8025 6492	30	17.2849 0765
6	3.3642 7107	31	17.8945 0373
7	3.9266 2754	32	18.5073 3339
8	4.4897 4232	33	19.1234 9217
9	5.0537 2320	34	19.7430 7477
10	5.6186 7777	35	20.3661 7505
11	6.1847 1336	36	20.9928 8601
12	6.7519 3705	37	21.6232 9975
13	7.3204 5563	38	22.2575 0746
14	7.8903 7554	39	22.8955 9939
15	8.4618 0292	40	23.5376 6484
16	9.0348 4350	41	24.1837 9213
17	9.6096 0262	42	24.8340 6857
18	10.1861 8522	43	25.4885 8044
19	10.7646 9575	44	26.1474 1300
20	11.3452 3823	45	26.8106 5041
21	11.9279 1614	46	27.4783 7577
22	12.5128 3245	47	28.1506 7107
23	13.1000 8957	48	28.8276 1715
24	13.6897 8935	49	29.5092 9374
25	14.2820 3302	50	30.1957 7936

$e = 71^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	30.1957 7936	75	49.1245 3877
51	30.8871 5138	76	49.9593 8045
52	31.5834 8595	77	50.8006 4727
53	32.2848 5798	78	51.6483 7838
54	32.9913 4117	79	52.5026 1136
55	33.7030 0792	80	53.3633 8218
56	34.4199 2939	81	54.2307 2519
57	35.1421 7543	82	55.1046 7311
58	35.8698 1455	83	55.9852 5705
59	36.6029 1396	84	56.8725 0647
60	37.3415 3952	85	57.7664 4920
61	38.0857 5572	86	58.6671 1140
62	38.8356 2566	87	59.5745 1758
63	39.5912 1107	88	60.4886 9059
64	40.3525 7224	89	61.4096 5160
65	41.1197 6806	90	62.3374 2012
66	41.8928 5598	91	63.2720 1397
67	42.6718 9197	92	64.2134 4928
68	43.4569 3055	93	65.1617 4050
69	44.2480 2477	94	66.1169 0040
70	45.0452 2618	95	67.0789 4004
71	45.8485 8479	96	68.0478 6878
72	46.6581 4915	97	69.0236 9430
73	47.4739 6622	98	70.0064 2254
74	48.2960 8147	99	70.9960 5779
75	49.1245 3877	100	71.9926 0258

$e = 71^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	71.9926 0258	125	99.1245 3877
101	72.9960 5779	126	100.2960 8147
102	74.0064 2254	127	101.4739 6622
103	75.0236 9430	128	102.6581 4915
104	76.0478 6878	129	103.8485 8479
105	77.0789 4004	130	105.0452 2618
106	78.1169 0040	131	106.2480 2477
107	79.1617 4050	132	107.4569 3055
108	80.2134 4928	133	108.6718 9197
109	81.2720 1397	134	109.8928 5598
110	82.3374 2012	135	111.1197 6806
111	83.4096 5160	136	112.3525 7224
112	84.4886 9059	137	113.5912 1107
113	85.5745 1758	138	114.8356 2566
114	86.6671 1140	139	116.0857 5572
115	87.7664 4920	140	117.3415 3952
116	88.8725 0647	141	118.6029 1396
117	89.9852 5705	142	119.8698 1455
118	91.1046 7311	143	121.1421 7543
119	92.2307 2519	144	122.4199 2939
120	93.3633 8218	145	123.7030 0792
121	94.5026 1136	146	124.9913 4117
122	95.6483 7838	147	126.2848 5798
123	96.8006 4727	148	127.5834 8595
124	97.9593 8045	149	128.8871 5138
125	99.1245 3877	150	130.1957 7936

$e = 71^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	130.1957 7936	175	164.2820 3302
151	131.5092 9374	176	165.6897 8935
152	132.8276 1715	177	167.1000 8957
153	134.1506 7107	178	168.5128 3245
154	135.4783 7577	179	169.9279 1614
155	136.8106 5041	180	171.3452 3823
156	138.1474 1300	181	172.7646 9575
157	139.4885 8044	182	174.1861 8522
158	140.8340 6857	183	175.6096 0262
159	142.1837 9213	184	177.0348 4350
160	143.5376 6484	185	178.4618 0292
161	144.8955 9939	186	179.8903 7554
162	146.2575 0746	187	181.3204 5563
163	147.6232 9975	188	182.7519 3705
164	148.9928 8601	189	184.1847 1336
165	150.3661 7505	190	185.6186 7777
166	151.7430 7477	191	187.0537 2320
167	153.1234 9217	192	188.4897 4232
168	154.5073 3339	193	189.9266 2754
169	155.8945 0373	194	191.3642 7107
170	157.2849 0765	195	192.8025 6492
171	158.6784 4883	196	194.2414 0097
172	160.0750 3017	197	195.6806 7091
173	161.4745 5382	198	197.1202 6639
174	162.8769 2119	199	198.5600 7892
175	164.2820 3302	200	200.0000 0000

$$e = 72^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	14.6270 0142
1	0.5742 3822	26	15.2349 2851
2	1.1485 8149	27	15.8455 1173
3	1.7231 3483	28	16.4588 4714
4	2.2980 0322	29	17.0750 3017
5	2.8732 9155	30	17.6941 5550
6	3.4491 0462	31	18.3163 1712
7	4.0255 4708	32	18.9416 0824
8	4.6027 2344	33	19.5701 2133
9	5.1807 3803	34	20.2019 4804
10	5.7596 9497	35	20.8371 7921
11	6.3396 9813	36	21.4759 0485
12	6.9208 5116	37	22.1182 1409
13	7.5032 5739	38	22.7641 9518
14	8.0870 1986	39	23.4139 3549
15	8.6722 4127	40	24.0675 2142
16	9.2590 2396	41	24.7250 3845
17	9.8474 6989	42	25.3865 7109
18	10.4376 8059	43	26.0522 0284
19	11.0297 5719	44	26.7220 1621
20	11.6238 0032	45	27.3960 9266
21	12.2199 1015	46	28.0745 1261
22	12.8181 8634	47	28.7573 5540
23	13.4187 2800	48	29.4446 9930
24	14.0216 3370	49	30.1366 2144
25	14.6270 0142	50	30.8331 9784

$$e = 72^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	30.8331 9784	75	49.9573 6614
51	31.5345 0335	76	50.7975 2360
52	32.2406 1169	77	51.6438 9941
53	32.9515 9536	78	52.4965 3145
54	33.6675 2568	79	53.3554 5608
55	34.3884 7272	80	54.2207 0813
56	35.1145 0536	81	55.0923 2083
57	35.8456 9118	82	55.9703 2587
58	36.5820 9650	83	56.8547 5333
59	37.3237 8638	84	57.7456 3175
60	38.0708 2453	85	58.6429 8803
61	38.8232 7338	86	59.5468 4752
62	39.5811 9401	87	60.4572 3392
63	40.3446 4614	88	61.3741 6936
64	41.1136 8814	89	62.2976 7432
65	41.8883 7700	90	63.2277 6768
66	42.6687 6830	91	64.1644 6668
67	43.4549 1624	92	65.1077 8696
68	44.2468 7357	93	66.0577 4248
69	45.0446 9163	94	67.0143 4561
70	45.8484 2031	95	67.9776 0704
71	46.6581 0803	96	68.9475 3584
72	47.4738 0174	97	69.9241 3943
73	48.2955 4693	98	70.9074 2358
74	49.1233 8757	99	71.8973 9243
75	49.9573 6614	100	72.8940 4843

$$e = 72^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	72.8940 4843	125	99.9573 6614
101	73.8973 9243	126	101.1233 8757
102	74.9074 2358	127	102.2955 4693
103	75.9241 3943	128	103.4738 0174
104	76.9475 3584	129	104.6581 0803
105	77.9776 0704	130	105.8484 2031
106	79.0143 4561	131	107.0446 9163
107	80.0577 4248	132	108.2468 7357
108	81.1077 8696	133	109.4549 1624
109	82.1644 6668	134	110.6687 6830
110	83.2277 6768	135	111.8883 7700
111	84.2976 7432	136	113.1136 8814
112	85.3741 6936	137	114.3446 4614
113	86.4572 3392	138	115.5811 9401
114	87.5468 4752	139	116.8232 7338
115	88.6429 8803	140	118.0708 2453
116	89.7456 3175	141	119.3237 8638
117	90.8547 5333	142	120.5820 9650
118	91.9703 2587	143	121.8456 9118
119	93.0923 2083	144	123.1145 0536
120	94.2207 0813	145	124.3884 7272
121	95.3554 5608	146	125.6675 2568
122	96.4965 3145	147	126.9515 9536
123	97.6438 9941	148	128.2406 1169
124	98.7975 2360	149	129.5345 0335
125	99.9573 6614	150	130.8331 9784

$e = 72^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	130.8331 9784	175	164.6270 0142
151	132.1366 2144	176	166.0216 3370
152	133.4446 9930	177	167.4187 2800
153	134.7573 5540	178	168.8181 8634
154	136.0745 1261	179	170.2199 1015
155	137.3960 9266	180	171.6238 0032
156	138.7220 1621	181	173.0297 5719
157	140.0522 0284	182	174.4376 8059
158	141.3865 7109	183	175.8474 6989
159	142.7250 3845	184	177.2590 2396
160	144.0675 2142	185	178.6722 4127
161	145.4139 3549	186	180.0870 1986
162	146.7641 9518	187	181.5032 5739
163	148.1182 1409	188	182.9208 5116
164	149.4759 0485	189	184.3396 9813
165	150.8371 7921	190	185.7596 9497
166	152.2019 4804	191	187.1807 3803
167	153.5701 2133	192	188.6027 2344
168	154.9416 0824	193	190.0255 4708
169	156.3163 1712	194	191.4491 0462
170	157.6941 5550	195	192.8732 9155
171	159.0750 3017	196	194.2980 0322
172	160.4588 4714	197	195.7231 3483
173	161.8455 1173	198	197.1485 8149
174	163.2349 2851	199	198.5742 3822
175	164.6270 0142	200	200.0000 0000

$$e = 73^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	14.9745 2919
1	0.5885 0256	26	15.5955 9195
2	1.1771 0666	27	16.2192 2184
3	1.7659 1379	28	16.8455 1173
4	2.3550 2541	29	17.4745 5382
5	2.9445 4291	30	18.1064 3964
6	3.5345 6756	31	18.7412 6002
7	4.1252 0052	32	19.3791 0506
8	4.7165 4279	33	20.0200 6411
9	5.3086 9521	34	20.6642 2577
10	5.9017 5840	35	21.3116 7784
11	6.4958 3277	36	21.9625 0729
12	7.0910 1847	37	22.6168 0028
13	7.6874 1540	38	23.2746 4212
14	8.2851 2312	39	23.9361 1721
15	8.8842 4091	40	24.6013 0910
16	9.4848 6766	41	25.2703 0038
17	10.0871 0193	42	25.9431 7272
18	10.6910 4186	43	26.6200 0685
19	11.2967 8515	44	27.3008 8250
20	11.9044 2911	45	27.9858 7840
21	12.5140 7052	46	28.6750 7229
22	13.1258 0571	47	29.3685 4084
23	13.7397 3047	48	30.0663 5969
24	14.3559 4007	49	30.7686 0340
25	14.9745 2919	50	31.4753 4543

$e = 73^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	31.4753 4543	75	50.7963 7240
51	32.1866 5814	76	51.6418 8509
52	32.9026 1277	77	52.4934 0778
53	33.6232 7939	78	53.3509 7711
54	34.3487 2692	79	54.2146 2821
55	35.0790 2311	80	55.0843 9474
56	35.8142 3451	81	55.9603 0881
57	36.5544 2644	82	56.8424 0106
58	37.2996 6301	83	57.7307 0056
59	38.0500 0708	84	58.6252 3489
60	38.8055 2024	85	59.5260 3006
61	39.5662 6283	86	60.4331 1055
62	40.3322 9387	87	61.3464 9929
63	41.1036 7109	88	62.2662 1765
64	41.8804 5090	89	63.1922 8543
65	42.6626 8838	90	64.1247 2088
66	43.4504 3726	91	65.0635 4067
67	44.2437 4991	92	66.0087 5989
68	45.0426 7732	93	66.9603 9206
69	45.8472 6911	94	67.9184 4911
70	46.6575 7348	95	68.8829 4140
71	47.4736 3725	96	69.8538 7768
72	48.2955 0580	97	70.8312 6512
73	49.1232 2308	98	71.8151 0931
74	49.9568 3160	99	72.8054 1423
75	50.7963 7240	100	73.8021 8227

$$e = 73^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	73.8021 8227	125	100.7963 7240
101	74.8054 1423	126	101.9568 3160
102	75.8151 0931	127	103.1232 2308
103	76.8312 6512	128	104.2955 0580
104	77.8538 7768	129	105.4736 3725
105	78.8829 4140	130	106.6575 7348
106	79.9184 4911	131	107.8472 6911
107	80.9603 9206	132	109.0426 7732
108	82.0087 5989	133	110.2437 4991
109	83.0635 4067	134	111.4504 3726
110	84.1247 2088	135	112.6626 8838
111	85.1922 8543	136	113.8804 5090
112	86.2662 1765	137	115.1036 7109
113	87.3464 9929	138	116.3322 9387
114	88.4331 1055	139	117.5662 6283
115	89.5260 3006	140	118.8055 2024
116	90.6252 3489	141	120.0500 0708
117	91.7307 0056	142	121.2996 6301
118	92.8424 0106	143	122.5544 2644
119	93.9603 0881	144	123.8142 3451
120	95.0843 9474	145	125.0790 2311
121	96.2146 2821	146	126.3487 2692
122	97.3509 7711	147	127.6232 7939
123	98.4934 0778	148	128.9026 1277
124	99.6418 8509	149	130.1866 5814
125	100.7963 7240	150	131.4753 4543

$e = 73^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	131.4753 4543	175	164.9745 2919
151	132.7686 0340	176	166.3559 4007
152	134.0663 5969	177	167.7397 3047
153	135.3685 4084	178	169.1258 0571
154	136.6750 7229	179	170.5140 7052
155	137.9858 7840	180	171.9044 2911
156	139.3008 8250	181	173.2967 8515
157	140.6200 0685	182	174.6910 4186
158	141.9431 7272	183	176.0871 0193
159	143.2703 0038	184	177.4848 6766
160	144.6013 0910	185	178.8842 4091
161	145.9361 1721	186	180.2851 2312
162	147.2746 4212	187	181.6874 1540
163	148.6168 0028	188	183.0910 1847
164	149.9625 0729	189	184.4958 3277
165	151.3116 7784	190	185.9017 5840
166	152.6642 2577	191	187.3086 9521
167	154.0200 6411	192	188.7165 4279
168	155.3791 0506	193	190.1252 0052
169	156.7412 6002	194	191.5345 6756
170	158.1064 3964	195	192.9445 4291
171	159.4745 5382	196	194.3550 2541
172	160.8455 1173	197	195.7659 1379
173	162.2192 2184	198	197.1771 0666
174	163.5955 9195	199	198.5885 0256
175	164.9745 2919	200	200.0000 0000

$$e = 74^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	15.3245 3060
1	0.6028 6844	26	15.9588 2252
2	1.2058 3487	27	16.5955 9195
3	1.8089 9724	28	17.2349 2851
4	2.4124 5348	29	17.8769 2119
5	3.0163 0142	30	18.5216 5833
6	3.6206 3881	31	19.1692 2757
7	4.2255 6327	32	19.8197 1588
8	4.8311 7229	33	20.4732 0950
9	5.4375 6316	34	21.1297 9391
10	6.0448 3301	35	21.7895 5385
11	6.6530 7874	36	22.4525 7328
12	7.2623 9700	37	23.1189 3532
13	7.8728 8420	38	23.7887 2231
14	8.4846 3644	39	24.4620 1573
15	9.0977 4951	40	25.1388 9617
16	9.7123 1888	41	25.8194 4337
17	10.3284 3963	42	26.5037 3614
18	10.9462 0650	43	27.1918 5238
19	11.5657 1378	44	27.8838 6905
20	12.1870 5536	45	28.5798 6213
21	12.8103 2466	46	29.2799 0664
22	13.4356 1465	47	29.9840 7658
23	14.0630 1777	48	30.6924 4494
24	14.6926 2596	49	31.4050 8368
25	15.3245 3060	50	32.1220 6371

$$e = 74^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	32.1220 6371	75	51.6413 5055
51	32.8434 5485	76	52.4922 5658
52	33.5693 2584	77	53.3489 6280
53	34.2997 4433	78	54.2115 0455
54	35.0347 7682	79	55.0799 1576
55	35.7744 8870	80	55.9542 2889
56	36.5189 4419	81	56.8344 7496
57	37.2682 0634	82	57.7206 8351
58	38.0223 3701	83	58.6128 8261
59	38.7813 9687	84	59.5110 9887
60	39.5454 4537	85	60.4153 5741
61	40.3145 4072	86	61.3256 8183
62	41.0887 3991	87	62.2420 9428
63	41.8680 9863	88	63.1646 1536
64	42.6526 7133	89	64.0932 6421
65	43.4425 1117	90	65.0280 5842
66	44.2376 6999	91	65.9690 1408
67	45.0381 9834	92	66.9161 4577
68	45.8441 4544	93	67.8694 6652
69	46.6555 5917	94	68.8289 8785
70	47.4724 8605	95	69.7947 1976
71	48.2949 7126	96	70.7666 7069
72	49.1230 5859	97	71.7448 4756
73	49.9567 9047	98	72.7292 5577
74	50.7962 0792	99	73.7198 9915
75	51.6413 5055	100	74.7167 8003

$$e = 74^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	74.7167 8003	125	101.6413 5055
101	75.7198 9915	126	102.7962 0792
102	76.7292 5577	127	103.9567 9047
103	77.7448 4756	128	105.1230 5859
104	78.7666 7069	129	106.2949 7126
105	79.7947 1976	130	107.4724 8605
106	80.8289 8785	131	108.6555 5917
107	81.8694 6652	132	109.8441 4544
108	82.9161 4577	133	111.0381 9834
109	83.9690 1408	134	112.2376 6999
110	85.0280 5842	135	113.4425 1117
111	86.0932 6421	136	114.6526 7133
112	87.1646 1536	137	115.8680 9863
113	88.2420 9428	138	117.0887 3991
114	89.3256 8183	139	118.3145 4072
115	90.4153 5741	140	119.5454 4537
116	91.5110 9887	141	120.7813 9687
117	92.6128 8261	142	122.0223 3701
118	93.7206 8351	143	123.2682 0634
119	94.8344 7496	144	124.5189 4419
120	95.9542 2889	145	125.7744 8870
121	97.0799 1576	146	127.0347 7682
122	98.2115 0455	147	128.2997 4433
123	99.3489 6280	148	129.5693 2584
124	100.4922 5658	149	130.8434 5485
125	101.6413 5055	150	132.1220 6371

$$e = 74^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	132.1220 6371	175	165.3245 3060
151	133.4050 8368	176	166.6926 2596
152	134.6924 4494	177	168.0630 1777
153	135.9840 7658	178	169.4356 1465
154	137.2799 0664	179	170.8103 2466
155	138.5798 6213	180	172.1870 5536
156	139.8838 6905	181	173.5657 1378
157	141.1918 5238	182	174.9462 0650
158	142.5037 3614	183	176.3284 3963
159	143.8194 4337	184	177.7123 1888
160	145.1388 9617	185	179.0977 4951
161	146.4620 1573	186	180.4846 3644
162	147.7887 2231	187	181.8728 8420
163	149.1189 3532	188	183.2623 9700
164	150.4525 7328	189	184.6530 7874
165	151.7895 5385	190	186.0448 3301
166	153.1297 9391	191	187.4375 6316
167	154.4732 0950	192	188.8311 7229
168	155.8197 1588	193	190.2255 6327
169	157.1692 2757	194	191.6206 3881
170	158.5216 5833	195	193.0163 0142
171	159.8769 2119	196	194.4124 5348
172	161.2349 2851	197	195.8089 9724
173	162.5955 9195	198	197.2058 3487
174	163.9588 2252	199	198.6028 6844
175	165.3245 3060	200	200.0000 0000

$e = 75^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	15.6769 1929
1	0.6173 3230	26	16.3245 3060
2	1.2347 5903	27	16.9745 2919
3	1.8523 7456	28	17.6270 0142
4	2.4702 7325	29	18.2820 3302
5	3.0885 4938	30	18.9397 0913
6	3.7072 9714	31	19.6001 1420
7	4.3266 1058	32	20.2633 3202
8	4.9465 8364	33	20.9294 4568
9	5.5673 1009	34	21.5985 3758
10	6.1888 8350	35	22.2706 8935
11	6.8113 9725	36	22.9459 8188
12	7.4349 4447	37	23.6244 9531
13	8.0596 1805	38	24.3063 0893
14	8.6855 1059	39	24.9915 0127
15	9.3127 1441	40	25.6801 5000
16	9.9413 2148	41	26.3723 3193
17	10.5714 2344	42	27.0681 2303
18	11.2031 1155	43	27.7675 9834
19	11.8364 7670	44	28.4708 3202
20	12.4716 0933	45	29.1778 9728
21	13.1085 9949	46	29.8888 6642
22	13.7475 3673	47	30.6038 1074
23	14.3885 1014	48	31.3228 0057
24	15.0316 0830	49	32.0459 0525
25	15.6769 1929	50	32.7731 9310

$e = 75^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	32.7731 9310	75	52.4920 9210
51	33.5047 3140	76	53.3484 2825
52	34.2405 8640	77	54.2103 5335
53	34.9808 2328	78	55.0779 0145
54	35.7255 0611	79	55.9511 0523
55	36.4746 9790	80	56.8299 9598
56	37.2284 6053	81	57.7146 0359
57	37.9868 5476	82	58.6049 5652
58	38.7499 4020	83	59.5010 8182
59	39.5177 7530	84	60.4030 0513
60	40.2904 1735	85	61.3107 5065
61	41.0679 2245	86	62.2243 4113
62	41.8503 4548	87	63.1437 9791
63	42.6377 4015	88	64.0691 4084
64	43.4301 5889	89	65.0003 8835
65	44.2276 5294	90	65.9375 5741
66	45.0302 7225	91	66.8806 6352
67	45.8380 6553	92	67.8297 2071
68	46.6510 8019	93	68.7847 4156
69	47.4693 6239	94	69.7457 3716
70	48.2929 5695	95	70.7127 1714
71	49.1219 0739	96	71.6856 8964
72	49.9562 5593	97	72.6646 6133
73	50.7960 4343	98	73.6496 3741
74	51.6413 0943	99	74.6406 2157
75	52.4920 9210	100	75.6376 1604

$e = 75^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	75.6376 1604	125	102.4920 9210
101	76.6406 2157	126	103.6413 0943
102	77.6496 3741	127	104.7960 4343
103	78.6646 6133	128	105.9562 5593
104	79.6856 8964	129	107.1219 0739
105	80.7127 1714	130	108.2929 5695
106	81.7457 3716	131	109.4693 6239
107	82.7847 4156	132	110.6510 8019
108	83.8297 2071	133	111.8380 6553
109	84.8806 6352	134	113.0302 7225
110	85.9375 5741	135	114.2276 5294
111	87.0003 8835	136	115.4301 5889
112	88.0691 4084	137	116.6377 4015
113	89.1437 9791	138	117.8503 4548
114	90.2243 4113	139	119.0679 2245
115	91.3107 5065	140	120.2904 1735
116	92.4030 0513	141	121.5177 7530
117	93.5010 8182	142	122.7499 4020
118	94.6049 5652	143	123.9868 5476
119	95.7146 0359	144	125.2284 6053
120	96.8299 9598	145	126.4746 9790
121	97.9511 0523	146	127.7255 0611
122	99.0779 0145	147	128.9808 2328
123	100.2103 5335	148	130.2405 8640
124	101.3484 2825	149	131.5047 3140
125	102.4920 9210	150	132.7731 9310

$e = 75^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	132.7731 9310	175	165.6769 1929
151	134.0459 0525	176	167.0316 0830
152	135.3228 0057	177	168.3885 1014
153	136.6038 1074	178	169.7475 3673
154	137.8888 6642	179	171.1085 9949
155	139.1778 9728	180	172.4716 0933
156	140.4708 3202	181	173.8364 7670
157	141.7675 9834	182	175.2031 1155
158	143.0681 2303	183	176.5714 2344
159	144.3723 3193	184	177.9413 2148
160	145.6801 5000	185	179.3127 1441
161	146.9915 0127	186	180.6855 1059
162	148.3063 0893	187	182.0596 1805
163	149.6244 9531	188	183.4349 4447
164	150.9459 8188	189	184.8113 9725
165	152.2706 8935	190	186.1888 8350
166	153.5985 3758	191	187.5673 1009
167	154.9294 4568	192	188.9465 8364
168	156.2633 3202	193	190.3266 1058
169	157.6001 1420	194	191.7072 9714
170	158.9397 0913	195	193.0885 4938
171	160.2820 3302	196	194.4702 7325
172	161.6270 0142	197	195.8523 7456
173	162.9745 2919	198	197.2347 5903
174	164.3245 3060	199	198.6173 3230
175	165.6769 1929	200	200.0000 0000

$e = 76^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	16.0316 0830
1	0.6318 9059	26	16.6926 2596
2	1.2638 7200	27	17.3559 4007
3	1.8960 3504	28	18.0216 3370
4	2.5284 7046	29	18.6897 8935
5	3.1612 6897	30	19.3604 8889
6	3.7945 2115	31	20.0338 1357
7	4.4283 1750	32	20.7098 4400
8	5.0627 4838	33	21.3886 6010
9	5.6979 0398	34	22.0703 4112
10	6.3338 7432	35	22.7549 6561
11	6.9707 4923	36	23.4426 1138
12	7.6086 1829	37	24.1333 5549
13	8.2475 7086	38	24.8272 7426
14	8.8876 9602	39	25.5244 4320
15	9.5290 8256	40	26.2249 3703
16	10.1718 1897	41	26.9288 2966
17	10.8159 9340	42	27.6361 9413
18	11.4616 9364	43	28.3471 0266
19	12.1090 0711	44	29.0616 2657
20	12.7580 2083	45	29.7798 3630
21	13.4088 2140	46	30.5018 0138
22	14.0614 9497	47	31.2275 9041
23	14.7161 2726	48	31.9572 7104
24	15.3728 0346	49	32.6909 0998
25	16.0316 0830	50	33.4285 7294

$e = 76^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	33.4285 7294	75	53.3483 8713
51	34.1703 2465	76	54.2101 8886
52	34.9162 2884	77	55.0773 6690
53	35.6663 4819	78	55.9499 5403
54	36.4207 4435	79	56.8279 8167
55	37.1794 7794	80	57.7114 7992
56	37.9426 0847	81	58.6004 7754
57	38.7101 9440	82	59.4950 0190
58	39.4822 9306	83	60.3950 7903
59	40.2589 6068	84	61.3007 3359
60	41.0402 5238	85	62.2119 8886
61	41.8262 2211	86	63.1288 6672
62	42.6169 2269	87	64.0513 8769
63	43.4124 0575	88	64.9795 7090
64	44.2127 2175	89	65.9134 3404
65	45.0179 1997	90	66.8529 9345
66	45.8280 4847	91	67.7982 6404
67	46.6431 5410	92	68.7492 5931
68	47.4632 8247	93	69.7059 9136
69	48.2884 7797	94	70.6684 7085
70	49.1187 8373	95	71.6367 0705
71	49.9542 4162	96	72.6107 0779
72	50.7948 9223	97	73.5904 7948
73	51.6407 7489	98	74.5760 2713
74	52.4919 2761	99	75.5673 5429
75	53.3483 8713	100	76.5644 6311

$e = 76^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	76.5644 6311	125	103.3483 8713
101	77.5673 5429	126	104.4919 2761
102	78.5760 2713	127	105.6407 7489
103	79.5904 7948	128	106.7948 9223
104	80.6107 0779	129	107.9542 4162
105	81.6367 0705	130	109.1187 8373
106	82.6684 7085	131	110.2884 7797
107	83.7059 9136	132	111.4632 8247
108	84.7492 5931	133	112.6431 5410
109	85.7982 6404	134	113.8280 4847
110	86.8529 9345	135	115.0179 1997
111	87.9134 3404	136	116.2127 2175
112	88.9795 7090	137	117.4124 0575
113	90.0513 8769	138	118.6169 2269
114	91.1288 6672	139	119.8262 2211
115	92.2119 8886	140	121.0402 5238
116	93.3007 3359	141	122.2589 6068
117	94.3950 7903	142	123.4822 9306
118	95.4950 0190	143	124.7101 9440
119	96.6004 7754	144	125.9426 0847
120	97.7114 7992	145	127.1794 7794
121	98.8279 8167	146	128.4207 4435
122	99.9499 5403	147	129.6663 4819
123	101.0773 6690	148	130.9162 2884
124	102.2101 8886	149	132.1703 2465
125	103.3483 8713	150	133.4285 7294

$e = 76^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	133.4285 7294	175	166.0316 0830
151	134.6909 0998	176	167.3728 0346
152	135.9572 7104	177	168.7161 2726
153	137.2275 9041	178	170.0614 9497
154	138.5018 0138	179	171.4088 2140
155	139.7798 3630	180	172.7580 2083
156	141.0616 2657	181	174.1090 0711
157	142.3471 0266	182	175.4616 9364
158	143.6361 9413	183	176.8159 9340
159	144.9288 2966	184	178.1718 1897
160	146.2249 3703	185	179.5290 8256
161	147.5244 4320	186	180.8876 9602
162	148.8272 7426	187	182.2475 7086
163	150.1333 5549	188	183.6086 1829
164	151.4426 1138	189	184.9707 4923
165	152.7549 6561	190	186.3338 7432
166	154.0703 4112	191	187.6979 0398
167	155.3886 6010	192	189.0627 4838
168	156.7098 4400	193	190.4283 1750
169	158.0338 1357	194	191.7945 2115
170	159.3604 8889	195	193.1612 6897
171	160.6897 8935	196	194.5284 7046
172	162.0216 3370	197	195.8960 3504
173	163.3559 4007	198	197.2638 7200
174	164.6926 2596	199	198.6318 9059
175	166.0316 0830	200	200.0000 0000

$$e = 77^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	16.3885 1014
1	0.6465 3969	26	17.0630 1777
2	1.2931 6660	27	17.7397 3047
3	1.9399 6790	28	18.4187 2800
4	2.5870 3075	29	19.1000 8957
5	3.2344 4223	30	19.7838 9380
6	3.8822 8933	31	20.4702 1869
7	4.5306 5895	32	21.1591 4165
8	5.1796 3784	33	21.8507 3943
9	5.8293 1262	34	22.5450 8813
10	6.4797 6971	35	23.2422 6315
11	7.1310 9537	36	23.9423 3922
12	7.7833 7562	37	24.6453 9033
13	8.4366 9626	38	25.3514 8976
14	9.0911 4283	39	26.0607 1003
15	9.7468 0058	40	26.7731 2286
16	10.4037 5448	41	27.4887 9923
17	11.0620 8918	42	28.2078 0929
18	11.7218 8896	43	28.9302 2237
19	12.3832 3777	44	29.6561 0695
20	13.0462 1917	45	30.3855 3067
21	13.7109 1631	46	31.1185 6029
22	14.3774 1193	47	31.8552 6169
23	15.0457 8830	48	32.5956 9982
24	15.7161 2726	49	33.3399 3874
25	16.3885 1014	50	34.0880 4154

$$e = 77^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	34.0880 4154	75	54.2100 2438
51	34.8400 7038	76	55.0773 2578
52	35.5960 8644	77	55.9497 8954
53	36.3561 4992	78	56.8274 4713
54	37.1203 2002	79	57.7103 2872
55	37.8886 5493	80	58.5984 6323
56	38.6612 1180	81	59.4918 7824
57	39.4380 4677	82	60.3906 0006
58	40.2192 1488	83	61.2946 5367
59	41.0047 7013	84	62.2040 6276
60	41.7947 6544	85	63.1188 4967
61	42.5892 5262	86	64.0390 3542
62	43.3882 8238	87	64.9646 3971
63	44.1919 0429	88	65.8956 8090
64	45.0001 6683	89	66.8321 7600
65	45.8131 1729	90	67.7741 4067
66	46.6308 0182	91	68.7215 8925
67	47.4532 6542	92	69.6745 3469
68	48.2805 5187	93	70.6329 8860
69	49.1127 0381	94	71.5969 6124
70	49.9497 6264	95	72.5664 6150
71	50.7917 6857	96	73.5414 9689
72	51.6387 6057	97	74.5220 7358
73	52.4907 7641	98	75.5081 9637
74	53.3478 5259	99	76.4998 6867
75	54.2100 2438	100	77.4970 9254

$e = 77^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	77.4970 9254	125	104.2100 2438
101	78.4998 6867	126	105.3478 5259
102	79.5081 9637	127	106.4907 7641
103	80.5220 7358	128	107.6387 6057
104	81.5414 9689	129	108.7917 6857
105	82.5664 6150	130	109.9497 6264
106	83.5969 6124	131	111.1127 0381
107	84.6329 8860	132	112.2805 5187
108	85.6745 3469	133	113.4532 6542
109	86.7215 8925	134	114.6308 0182
110	87.7741 4067	135	115.8131 1729
111	88.8321 7600	136	117.0001 6683
112	89.8956 8090	137	118.1919 0429
113	90.9646 3971	138	119.3882 8238
114	92.0390 3542	139	120.5892 5262
115	93.1188 4967	140	121.7947 6544
116	94.2040 6276	141	123.0047 7013
117	95.2946 5367	142	124.2192 1488
118	96.3906 0006	143	125.4380 4677
119	97.4918 7824	144	126.6612 1180
120	98.5984 6323	145	127.8886 5493
121	99.7103 2872	146	129.1203 2002
122	100.8274 4713	147	130.3561 4992
123	101.9497 8954	148	131.5960 8644
124	103.0773 2578	149	132.8400 7038
125	104.2100 2438	150	134.0880 4154

$e = 77^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	134.0880 4154	175	166.3885 1014
151	135.3399 3874	176	167.7161 2726
152	136.5956 9982	177	169.0457 8830
153	137.8552 6169	178	170.3774 1193
154	139.1185 6029	179	171.7109 1631
155	140.3855 3067	180	173.0462 1917
156	141.6561 0695	181	174.3832 3777
157	142.9302 2237	182	175.7218 8896
158	144.2078 0929	183	177.0620 8918
159	145.4887 9923	184	178.4037 5448
160	146.7731 2286	185	179.7468 0058
161	148.0607 1003	186	181.0911 4283
162	149.3514 8976	187	182.4366 9626
163	150.6453 9033	188	183.7833 7562
164	151.9423 3922	189	185.1310 9537
165	153.2422 6315	190	186.4797 6971
166	154.5450 8813	191	187.8293 1262
167	155.8507 3943	192	189.1796 3784
168	157.1591 4165	193	190.5306 5895
169	158.4702 1869	194	191.8822 8933
170	159.7838 9380	195	193.2344 4223
171	161.1000 8957	196	194.5870 3075
172	162.4187 2800	197	195.9399 6790
173	163.7397 3047	198	197.2931 6660
174	165.0630 1777	199	198.6465 3969
175	166.3885 1014	200	200.0000 0000

$$e = 78^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	16.7475 3673
1	0.6612 7601	26	17.4356 1465
2	1.3226 3559	27	18.1258 0571
3	1.9841 6231	28	18.8181 8634
4	2.6459 3967	29	19.5128 3245
5	3.3080 5112	30	20.2098 1937
6	3.9705 8003	31	20.9092 2188
7	4.6336 0967	32	21.6111 1413
8	5.2972 2319	33	22.3155 6969
9	5.9615 0357	34	23.0226 6146
10	6.6265 3366	35	23.7324 6174
11	7.2923 9610	36	24.4450 4211
12	7.9591 7334	37	25.1604 7349
13	8.6269 4759	38	25.8788 2610
14	9.2958 0082	39	26.6001 6942
15	9.9658 1475	40	27.3245 7222
16	10.6370 7078	41	28.0521 0250
17	11.3096 5004	42	28.7828 2747
18	11.9836 3331	43	29.5168 1358
19	12.6591 0102	44	30.2541 2646
20	13.3361 3326	45	30.9948 3094
21	14.0148 0971	46	31.7389 9098
22	14.6952 0964	47	32.4866 6971
23	15.3774 1193	48	33.2379 2939
24	16.0614 9497	49	33.9928 3138
25	16.7475 3673	50	34.7514 3618

$$e = 78^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	34.7514 3618	75	55.0767 9124
51	35.5138 0332	76	55.9496 2506
52	36.2799 9146	77	56.8274 0600
53	37.0500 5827	78	57.7101 6424
54	37.8240 6049	79	58.5979 2868
55	38.6020 5388	80	59.4907 2704
56	39.3840 9322	81	60.3885 8575
57	40.1702 3228	82	61.2915 3001
58	40.9605 2384	83	62.1995 8378
59	41.7550 1964	84	63.1127 6975
60	42.5537 7037	85	64.0311 0932
61	43.3568 2571	86	64.9546 2266
62	44.1642 3423	87	65.8833 2862
63	44.9760 4346	88	66.8172 4481
64	45.7922 9983	89	67.7563 8753
65	46.6130 4868	90	68.7007 7179
66	47.4383 3423	91	69.6504 1132
67	48.2681 9960	92	70.6053 1854
68	49.1026 8676	93	71.5655 0457
69	49.9418 3654	94	72.5309 7925
70	50.7856 8865	95	73.5017 5108
71	51.6342 8160	96	74.4778 2729
72	52.4876 5275	97	75.4592 1377
73	53.3458 3828	98	76.4459 1512
74	54.2088 7317	99	77.4379 3462
75	55.0767 9124	100	78.4352 7423

$$e = 78^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	78.4352 7423	125	105.0767 9124
101	79.4379 3462	126	106.2088 7317
102	80.4459 1512	127	107.3458 3828
103	81.4592 1377	128	108.4876 5275
104	82.4778 2729	129	109.6342 8160
105	83.5017 5108	130	110.7856 8865
106	84.5309 7925	131	111.9418 3654
107	85.5655 0457	132	113.1026 8676
108	86.6053 1854	133	114.2681 9960
109	87.6504 1132	134	115.4383 3423
110	88.7007 7179	135	116.6130 4868
111	89.7563 8753	136	117.7922 9983
112	90.8172 4481	137	118.9760 4346
113	91.8833 2862	138	120.1642 3423
114	92.9546 2266	139	121.3568 2571
115	94.0311 0932	140	122.5537 7037
116	95.1127 6975	141	123.7550 1964
117	96.1995 8378	142	124.9605 2384
118	97.2915 3001	143	126.1702 3228
119	98.3885 8575	144	127.3840 9322
120	99.4907 2704	145	128.6020 5388
121	100.5979 2868	146	129.8240 6049
122	101.7101 6424	147	131.0500 5827
123	102.8274 0600	148	132.2799 9146
124	103.9496 2506	149	133.5138 0332
125	105.0767 9124	150	134.7514 3618

$e = 78^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	134.7514 3618	175	166.7475 3673
151	135.9928 3138	176	168.0614 9497
152	137.2379 2939	177	169.3774 1193
153	138.4866 6971	178	170.6952 0964
154	139.7389 9098	179	172.0148 0971
155	140.9948 3094	180	173.3361 3326
156	142.2541 2646	181	174.6591 0102
157	143.5168 1358	182	175.9836 3331
158	144.7828 2747	183	177.3096 5004
159	146.0521 0250	184	178.6370 7078
160	147.3245 7222	185	179.9658 1475
161	148.6001 6942	186	181.2958 0082
162	149.8788 2610	187	182.6269 4759
163	151.1604 7349	188	183.9591 7334
164	152.4450 4211	189	185.2923 9610
165	153.7324 6174	190	186.6265 3366
166	155.0226 6146	191	187.9615 0357
167	156.3155 6969	192	189.2972 2319
168	157.6111 1413	193	190.6336 0967
169	158.9092 2188	194	191.9705 8003
170	160.2098 1937	195	193.3080 5112
171	161.5128 3245	196	194.6459 3967
172	162.8181 8634	197	195.9841 6231
173	164.1258 0571	198	197.3226 3559
174	165.4356 1465	199	198.6612 7601
175	166.7475 3673	200	200.0000 0000

$e = 79^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	17.1085 9949
1	0.6760 9590	26	17.8103 2466
2	1.3522 7172	27	18.5140 7052
3	2.0286 0736	28	19.2199 1015
4	2.7051 8268	29	19.9279 1614
5	3.3820 7747	30	20.6381 6053
6	4.0593 7146	31	21.3507 1481
7	4.7371 4427	32	22.0656 4991
8	5.4154 7540	33	22.7830 3616
9	6.0944 4423	34	23.5029 4329
10	6.7741 2996	35	24.2254 4042
11	7.4546 1163	36	24.9505 9601
12	8.1359 6807	37	25.6784 7787
13	8.8182 7790	38	26.4091 5315
14	9.5016 1951	39	27.1426 8830
15	10.1860 7102	40	27.8791 4906
16	10.8717 1030	41	28.6186 0046
17	11.5586 1491	42	29.3611 0678
18	12.2468 6210	43	30.1067 3156
19	12.9365 2879	44	30.8555 3757
20	13.6276 9155	45	31.6075 8677
21	14.3204 2659	46	32.3629 4035
22	15.0148 0971	47	33.1216 5867
23	15.7109 1631	48	33.8838 0127
24	16.4088 2140	49	34.6494 2682
25	17.1085 9949	50	35.4185 9317

$$e = 79^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	35.4185 9317	75	55.9484 7385
51	36.1913 5725	76	56.8268 7146
52	36.9677 7515	77	57.7099 9975
53	37.7479 0203	78	58.5978 8756
54	38.5317 9213	79	59.4905 6255
55	39.3194 9878	80	60.3880 5120
56	40.1110 7436	81	61.2903 7881
57	40.9065 7030	82	62.1975 6947
58	41.7060 3705	83	63.1096 4608
59	42.5095 2408	84	64.0266 3035
60	43.3170 7990	85	64.9485 4274
61	44.1287 5198	86	65.8754 0253
62	44.9445 8679	87	66.8072 2776
63	45.7646 2976	88	67.7440 3525
64	46.5889 2531	89	68.6858 4061
65	47.4175 1677	90	69.6326 5817
66	48.2504 4645	91	70.5845 0108
67	49.0877 5557	92	71.5413 8120
68	49.9294 8427	93	72.5033 0918
69	50.7756 7159	94	73.4702 9442
70	51.6263 5550	95	74.4423 4505
71	52.4815 7283	96	75.4194 6797
72	53.3413 5930	97	76.4016 6883
73	54.2057 4951	98	77.3889 5202
74	55.0747 7693	99	78.3813 2069
75	55.9484 7385	100	79.3787 7670

$e = 79^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	79.3787 7670	125	105.9484 7385
101	80.3813 2069	126	107.0747 7693
102	81.3889 5202	127	108.2057 4951
103	82.4016 6883	128	109.3413 5930
104	83.4194 6797	129	110.4815 7283
105	84.4423 4505	130	111.6263 5550
106	85.4702 9442	131	112.7756 7159
107	86.5033 0918	132	113.9294 8427
108	87.5413 8120	133	115.0877 5557
109	88.5845 0108	134	116.2504 4645
110	89.6326 5817	135	117.4175 1677
111	90.6858 4061	136	118.5889 2531
112	91.7440 3525	137	119.7646 2976
113	92.8072 2776	138	120.9445 8679
114	93.8754 0253	139	122.1287 5198
115	94.9485 4274	140	123.3170 7990
116	96.0266 3035	141	124.5095 2408
117	97.1096 4608	142	125.7060 3705
118	98.1975 6947	143	126.9065 7030
119	99.2903 7881	144	128.1110 7436
120	100.3880 5120	145	129.3194 9878
121	101.4905 6255	146	130.5317 9213
122	102.5978 8756	147	131.7479 0203
123	103.7099 9975	148	132.9677 7515
124	104.8268 7146	149	134.1913 5725
125	105.9484 7385	150	135.4185 9317

$e = 79^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	135.4185 9317	175	167.1085 9949
151	136.6494 2682	176	168.4088 2140
152	137.8838 0127	177	169.7109 1631
153	139.1216 5867	178	171.0148 0971
154	140.3629 4035	179	172.3204 2659
155	141.6075 8677	180	173.6276 9155
156	142.8555 3757	181	174.9365 2879
157	144.1067 3156	182	176.2468 6210
158	145.3611 0678	183	177.5586 1491
159	146.6186 0046	184	178.8717 1030
160	147.8791 4906	185	180.1860 7102
161	149.1426 8830	186	181.5016 1951
162	150.4091 5315	187	182.8182 7790
163	151.6784 7787	188	184.1359 6807
164	152.9505 9601	189	185.4546 1163
165	154.2254 4042	190	186.7741 2996
166	155.5029 4329	191	188.0944 4423
167	156.7830 3616	192	189.4154 7540
168	158.0656 4991	193	190.7371 4427
169	159.3507 1481	194	192.0593 7146
170	160.6381 6053	195	193.3820 7747
171	161.9279 1614	196	194.7051 8268
172	163.2199 1015	197	196.0286 0736
173	164.5140 7052	198	197.3522 7172
174	165.8103 2466	199	198.6760 9590
175	167.1085 9949	200	200.0000 0000

$e = 80^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	17.4716 0933
1	0.6909 9571	26	18.1870 5536
2	1.3820 6767	27	18.9044 2911
3	2.0732 9209	28	19.6238 0032
4	2.7647 4516	29	20.3452 3823
5	3.4565 0302	30	21.0688 1158
6	4.1486 4170	31	21.7945 8856
7	4.8412 3719	32	22.5226 3684
8	5.5343 6531	33	23.2530 2352
9	6.2281 0179	34	23.9858 1512
10	6.9225 2220	35	24.7210 7757
11	7.6177 0193	36	25.4588 7618
12	8.3137 1619	37	26.1992 7567
13	9.0106 3999	38	26.9423 4007
14	9.7085 4810	39	27.6881 3278
15	10.4075 1506	40	28.4367 1653
16	11.1076 1515	41	29.1881 5334
17	11.8089 2237	42	29.9425 0456
18	12.5115 1040	43	30.6998 3077
19	13.2154 5264	44	31.4601 9187
20	13.9208 2212	45	32.2236 4698
21	14.6276 9155	46	32.9902 5447
22	15.3361 3326	47	33.7600 7191
23	16.0462 1917	48	34.5331 5611
24	16.7580 2083	49	35.3095 6305
25	17.4716 0933	50	36.0893 4790

$e = 80^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	36.0893 4790	75	56.8248 5715
51	36.8725 6500	76	57.7088 4855
52	37.6592 6783	77	58.5973 5302
53	38.4495 0902	78	59.4903 9807
54	39.2433 4032	79	60.3880 1008
55	40.0408 1261	80	61.2902 1432
56	40.8419 7586	81	62.1970 3493
57	41.6468 7912	82	63.1084 9488
58	42.4555 7054	83	64.0246 1603
59	43.2680 9731	84	64.9454 1908
60	44.0845 0569	85	65.8709 2355
61	44.9048 4098	86	66.8011 4784
62	45.7291 4752	87	67.7361 0916
63	46.5574 6864	88	68.6758 2355
64	47.3898 4671	89	69.6203 0590
65	48.2263 2308	90	70.5695 6989
66	49.0669 3811	91	71.5236 2806
67	49.9117 3112	92	72.4824 9172
68	50.7607 4041	93	73.4461 7104
69	51.6140 0322	94	74.4146 7498
70	52.4715 5577	95	75.3880 1130
71	53.3334 3320	96	76.3661 8659
72	54.1996 6959	97	77.3492 0622
73	55.0702 9795	98	78.3370 7440
74	55.9453 5019	99	79.3297 9410
75	56.8248 5715	100	80.3273 6714

$e = 80^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	80.3273 6714	125	106.8248 5715
101	81.3297 9410	126	107.9453 5019
102	82.3370 7440	127	109.0702 9795
103	83.3492 0622	128	110.1996 6959
104	84.3661 8659	129	111.3334 3320
105	85.3880 1130	130	112.4715 5577
106	86.4146 7498	131	113.6140 0322
107	87.4461 7104	132	114.7607 4041
108	88.4824 9172	133	115.9117 3112
109	89.5236 2806	134	117.0669 3811
110	90.5695 6989	135	118.2263 2308
111	91.6203 0590	136	119.3898 4671
112	92.6758 2355	137	120.5574 6864
113	93.7361 0916	138	121.7291 4752
114	94.8011 4784	139	122.9048 4098
115	95.8709 2355	140	124.0845 0569
116	96.9454 1908	141	125.2680 9731
117	98.0246 1603	142	126.4555 7054
118	99.1084 9488	143	127.6468 7912
119	100.1970 3493	144	128.8419 7586
120	101.2902 1432	145	130.0408 1261
121	102.3880 1008	146	131.2433 4032
122	103.4903 9807	147	132.4495 0902
123	104.5973 5302	148	133.6592 6783
124	105.7088 4855	149	134.8725 6500
125	106.8248 5715	150	136.0893 4790

$e = 80^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	136.0893 4790	175	167.4716 0933
151	137.3095 6305	176	168.7580 2083
152	138.5331 5611	177	170.0462 1917
153	139.7600 7191	178	171.3361 3326
154	140.9902 5447	179	172.6276 9155
155	142.2236 4698	180	173.9208 2212
156	143.4601 9187	181	175.2154 5264
157	144.6998 3077	182	176.5115 1040
158	145.9425 0456	183	177.8089 2237
159	147.1881 5334	184	179.1076 1515
160	148.4367 1653	185	180.4075 1506
161	149.6881 3278	186	181.7085 4810
162	150.9423 4007	187	183.0106 3999
163	152.1992 7567	188	184.3137 1619
164	153.4588 7618	189	185.6177 0193
165	154.7210 7757	190	186.9225 2220
166	155.9858 1512	191	188.2281 0179
167	157.2530 2352	192	189.5343 6531
168	158.5226 3684	193	190.8412 3719
169	159.7945 8856	194	192.1486 4170
170	161.0688 1158	195	193.4565 0302
171	162.3452 3823	196	194.7647 4516
172	163.6238 0032	197	196.0732 9209
173	164.9044 2911	198	197.3820 6767
174	166.1870 5536	199	198.6909 9571
175	167.4716 0933	200	200.0000 0000

$e = 81^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	17.8364 7670
1	0.7059 7177	26	18.5657 1378
2	1.4120 1608	27	19.2967 8515
3	2.1182 0547	28	20.0297 5719
4	2.8246 1243	29	20.7646 9575
5	3.5313 0940	30	21.5016 6626
6	4.2383 6874	31	22.2407 3361
7	4.9458 6275	32	22.9819 6217
8	5.6538 6358	33	23.7254 1580
9	6.3624 4328	34	24.4711 5779
10	7.0716 7376	35	25.2192 5088
11	7.7816 2676	36	25.9697 5723
12	8.4923 7385	37	26.7227 3838
13	9.2039 8639	38	27.4782 5530
14	9.9165 3555	39	28.2363 6830
15	10.6300 9223	40	28.9971 3707
16	11.3447 2713	41	29.7606 2063
17	12.0605 1064	42	30.5268 7733
18	12.7775 1290	43	31.2959 6486
19	13.4958 0373	44	32.0679 4019
20	14.2154 5264	45	32.8428 5957
21	14.9365 2879	46	33.6207 7854
22	15.6591 0102	47	34.4017 5190
23	16.3832 3777	48	35.1858 3369
24	17.1090 0711	49	35.9730 7719
25	17.8364 7670	50	36.7635 3488

$e = 81^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	36.7635 3488	75	57.7057 2489
51	37.5572 5847	76	58.5953 3871
52	38.3542 9886	77	59.4892 4686
53	39.1547 0612	78	60.3874 7554
54	39.9585 2950	79	61.2900 4984
55	40.7658 1740	80	62.1969 9381
56	41.5766 1737	81	63.1083 3040
57	42.3909 7610	82	64.0240 8149
58	43.2089 3939	83	64.9442 6787
59	44.0305 5214	84	65.8689 0924
60	44.8558 5839	85	66.7980 2418
61	45.6849 0123	86	67.7316 3018
62	46.5177 2283	87	68.6697 4363
63	47.3543 6446	88	69.6123 7980
64	48.1948 6641	89	70.5595 5284
65	49.0392 6805	90	71.5112 7578
66	49.8876 0775	91	72.4675 6054
67	50.7399 2295	92	73.4284 1790
68	51.5962 5008	93	74.3938 5752
69	52.4566 2459	94	75.3638 8793
70	53.3210 8093	95	76.3385 1652
71	54.1896 5254	96	77.3177 4955
72	55.0623 7185	97	78.3015 9215
73	55.9392 7027	98	79.2900 4830
74	56.8203 7817	99	80.2831 2085
75	57.7057 2489	100	81.2808 1151

$e = 81^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	81.2808 1151	125	107.7057 2489
101	82.2831 2085	126	108.8203 7817
102	83.2900 4830	127	109.9392 7027
103	84.3015 9215	128	111.0623 7185
104	85.3177 4955	129	112.1896 5254
105	86.3385 1652	130	113.3210 8093
106	87.3638 8793	131	114.4566 2459
107	88.3938 5752	132	115.5962 5008
108	89.4284 1790	133	116.7399 2295
109	90.4675 6054	134	117.8876 0775
110	91.5112 7578	135	119.0392 6805
111	92.5595 5284	136	120.1948 6641
112	93.6123 7980	137	121.3543 6446
113	94.6697 4363	138	122.5177 2283
114	95.7316 3018	139	123.6849 0123
115	96.7980 2418	140	124.8558 5839
116	97.8689 0924	141	126.0305 5214
117	98.9442 6787	142	127.2089 3939
118	100.0240 8149	143	128.3909 7610
119	101.1083 3040	144	129.5766 1737
120	102.1969 9381	145	130.7658 1740
121	103.2900 4984	146	131.9585 2950
122	104.3874 7554	147	133.1547 0612
123	105.4892 4686	148	134.3542 9886
124	106.5953 3871	149	135.5572 5847
125	107.7057 2489	150	136.7635 3488

$e = 81^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	136.7635 3488	175	167.8364 7670
151	137.9730 7719	176	169.1090 0711
152	139.1858 3369	177	170.3832 3777
153	140.4017 5190	178	171.6591 0102
154	141.6207 7854	179	172.9365 2879
155	142.8428 5957	180	174.2154 5264
156	144.0679 4019	181	175.4958 0373
157	145.2959 6486	182	176.7775 1290
158	146.5268 7733	183	178.0605 1064
159	147.7606 2063	184	179.3447 2713
160	148.9971 3707	185	180.6300 9223
161	150.2363 6830	186	181.9165 3555
162	151.4782 5530	187	183.2039 8639
163	152.7227 3838	188	184.4923 7385
164	153.9697 5723	189	185.7816 2676
165	155.2192 5088	190	187.0716 7376
166	156.4711 5779	191	188.3624 4328
167	157.7254 1580	192	189.6538 6358
168	158.9819 6217	193	190.9458 6275
169	160.2407 3361	194	192.2383 6874
170	161.5016 6626	195	193.5313 0940
171	162.7646 9575	196	194.8246 1243
172	164.0297 5719	197	196.1182 0547
173	165.2967 8515	198	197.4120 1608
174	166.5657 1378	199	198.7059 7177
175	167.8364 7670	200	200.0000 0000

$$e = 82^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	18.2031 1155
1	0.7210 2037	26	18.9462 0650
2	1.4421 0957	27	19.6910 4186
3	2.1633 3642	28	20.4376 8059
4	2.8847 6971	29	21.1861 8522
5	3.6064 7816	30	21.9366 1778
6	4.3285 3044	31	22.6890 3987
7	5.0509 9514	32	23.4435 1256
8	5.7739 4072	33	24.2000 9644
9	6.4974 3554	34	24.9588 5156
10	7.2215 4784	35	25.7198 3745
11	7.9463 4568	36	26.4831 1308
12	8.6718 9697	37	27.2487 3686
13	9.3982 6941	38	28.0167 6662
14	10.1255 3053	39	28.7872 5959
15	10.8537 4761	40	29.5602 7240
16	11.5829 8772	41	30.3358 6106
17	12.3133 1766	42	31.1140 8094
18	13.0448 0397	43	31.8949 8675
19	13.7775 1290	44	32.6786 3256
20	14.5115 1040	45	33.4650 7175
21	15.2468 6210	46	34.2543 5700
22	15.9836 3331	47	35.0465 4032
23	16.7218 8896	48	35.8416 7298
24	17.4616 9364	49	36.6398 0552
25	18.2031 1155	50	37.4409 8776

$$e = 82^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	37.4409 8776	75	58.5908 5973
51	38.2452 6874	76	59.4861 2320
52	39.0526 9677	77	60.3854 6122
53	39.8633 1934	78	61.2888 9864
54	40.6771 8320	79	62.1964 5926
55	41.4943 3426	80	63.1081 6591
56	42.3148 1764	81	64.0240 4037
57	43.1386 7764	82	64.9441 0339
58	43.9659 5771	83	65.8683 7469
59	44.7967 0047	84	66.7968 7297
60	45.6309 4768	85	67.7296 1587
61	46.4687 4024	86	68.6666 1997
62	47.3101 1817	87	69.6079 0082
63	48.1551 2061	88	70.5534 7292
64	49.0037 8580	89	71.5033 4968
65	49.8561 5108	90	72.4575 4349
66	50.7122 5289	91	73.4160 6562
67	51.5721 2671	92	74.3789 2634
68	52.4358 0713	93	75.3461 3479
69	53.3033 2778	94	76.3176 9906
70	54.1747 2135	95	77.2936 2618
71	55.0500 1958	96	78.2739 2208
72	55.9292 5322	97	79.2585 9163
73	56.8124 5208	98	80.2476 3860
74	57.6996 4497	99	81.2410 6570
75	58.5908 5973	100	82.2388 7456

$$e = 82^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	82.2388 7456	125	108.5908 5973
101	83.2410 6570	126	109.6996 4497
102	84.2476 3860	127	110.8124 5208
103	85.2585 9163	128	111.9292 5322
104	86.2739 2208	129	113.0500 1958
105	87.2936 2618	130	114.1747 2135
106	88.3176 9906	131	115.3033 2778
107	89.3461 3479	132	116.4358 0713
108	90.3789 2634	133	117.5721 2671
109	91.4160 6562	134	118.7122 5289
110	92.4575 4349	135	119.8561 5108
111	93.5033 4968	136	121.0037 8580
112	94.5534 7292	137	122.1551 2061
113	95.6079 0082	138	123.3101 1817
114	96.6666 1997	139	124.4687 4024
115	97.7296 1587	140	125.6309 4768
116	98.7968 7297	141	126.7967 0047
117	99.8683 7469	142	127.9659 5771
118	100.9441 0339	143	129.1386 7764
119	102.0240 4037	144	130.3148 1764
120	103.1081 6591	145	131.4943 3426
121	104.1964 5926	146	132.6771 8320
122	105.2888 9864	147	133.8633 1934
123	106.3854 6122	148	135.0526 9677
124	107.4861 2320	149	136.2452 6874
125	108.5908 5973	150	137.4409 8776

$e = 82^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	137.4409 8776	175	168.2031 1155
151	138.6398 0552	176	169.4616 9364
152	139.8416 7298	177	170.7218 8896
153	141.0465 4032	178	171.9836 3331
154	142.2543 5700	179	173.2468 6210
155	143.4650 7175	180	174.5115 1040
156	144.6786 3256	181	175.7775 1290
157	145.8949 8675	182	177.0448 0397
158	147.1140 8094	183	178.3133 1766
159	148.3358 6106	184	179.5829 8772
160	149.5602 7240	185	180.8537 4761
161	150.7872 5959	186	182.1255 3053
162	152.0167 6662	187	183.3982 6941
163	153.2487 3686	188	184.6718 9697
164	154.4831 1308	189	185.9463 4568
165	155.7198 3745	190	187.2215 4784
166	156.9588 5156	191	188.4974 3554
167	158.2000 9644	192	189.7739 4072
168	159.4435 1256	193	191.0509 9514
169	160.6890 3987	194	192.3285 3044
170	161.9366 1778	195	193.6064 7816
171	163.1861 8522	196	194.8847 6971
172	164.4376 8059	197	196.1633 3642
173	165.6910 4186	198	197.4421 0957
174	166.9462 0650	199	198.7210 2037
175	168.2031 1155	200	200.0000 0000

$e = 83^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	18.5714 2344
1	0.7361 3780	26	19.3284 3963
2	1.4723 4071	27	20.0871 0193
3	2.2086 7380	28	20.8474 6989
4	2.9452 0215	29	21.6096 0262
5	3.6819 9075	30	22.3735 5883
6	4.4191 0455	31	23.1393 9674
7	5.1566 0841	32	23.9071 7414
8	5.8945 6710	33	24.6769 4833
9	6.6330 4528	34	25.4487 7610
10	7.3721 0747	35	26.2227 1376
11	8.1118 1804	36	26.9988 1708
12	8.8522 4124	37	27.7771 4131
13	9.5934 4110	38	28.5577 4115
14	10.3354 8147	39	29.3406 7071
15	11.0784 2601	40	30.1259 8358
16	11.8223 3814	41	30.9137 3271
17	12.5672 8105	42	31.7039 7047
18	13.3133 1766	43	32.4967 4863
19	14.0605 1064	44	33.2921 1831
20	14.8089 2237	45	34.0901 2999
21	15.5586 1491	46	34.8908 3353
22	16.3096 5004	47	35.6942 7808
23	17.0620 8918	48	36.5005 1215
24	17.8159 9340	49	37.3095 8355
25	18.5714 2344	50	38.1215 3939

$$e = 83^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	38.1215 3939	75	59.4800 4328
51	38.9364 2605	76	60.3809 8225
52	39.7542 8922	77	61.2857 7497
53	40.5751 7384	78	62.1944 4495
54	41.3991 2410	79	63.1070 1471
55	42.2261 8344	80	64.0235 0583
56	43.0563 9452	81	64.9439 3890
57	43.8897 9925	82	65.8683 3357
58	44.7264 3872	83	66.7967 0849
59	45.5663 5324	84	67.7290 8133
60	46.4095 8232	85	68.6654 6877
61	47.2561 6462	86	69.6058 8651
62	48.1061 3802	87	70.5503 4926
63	48.9595 3951	88	71.4988 7071
64	49.8164 0528	89	72.4514 6357
65	50.6767 7064	90	73.4081 3953
66	51.5406 7004	91	74.3689 0928
67	52.4081 3706	92	75.3337 8251
68	53.2792 0441	93	76.3027 6788
69	54.1539 0390	94	77.2758 7304
70	55.0322 6643	95	78.2531 0462
71	55.9143 2203	96	79.2344 6826
72	56.8000 9980	97	80.2199 6854
73	57.6896 2791	98	81.2096 0903
74	58.5829 3363	99	82.2033 9231
75	59.4800 4328	100	83.2013 1990

$e = 83^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	83.2013 1990	125	109.4800 4328
101	84.2033 9231	126	110.5829 3363
102	85.2096 0903	127	111.6896 2791
103	86.2199 6854	128	112.8000 9980
104	87.2344 6826	129	113.9143 2203
105	88.2531 0462	130	115.0322 6643
106	89.2758 7304	131	116.1539 0390
107	90.3027 6788	132	117.2792 0441
108	91.3337 8251	133	118.4081 3706
109	92.3689 0928	134	119.5406 7004
110	93.4081 3953	135	120.6767 7064
111	94.4514 6357	136	121.8164 0528
112	95.4988 7071	137	122.9595 3951
113	96.5503 4926	138	124.1061 3802
114	97.6058 8651	139	125.2561 6462
115	98.6654 6877	140	126.4095 8232
116	99.7290 8133	141	127.5663 5324
117	100.7967 0849	142	128.7264 3872
118	101.8683 3357	143	129.8897 9925
119	102.9439 3890	144	131.0563 9452
120	104.0235 0583	145	132.2261 8344
121	105.1070 1471	146	133.3991 2410
122	106.1944 4495	147	134.5751 7384
123	107.2857 7497	148	135.7542 8922
124	108.3809 8225	149	136.9364 2605
125	109.4800 4328	150	138.1215 3939

$e = 83^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	138.1215 3939	175	168.5714 2344
151	139.3095 8355	176	169.8159 9340
152	140.5005 1215	177	171.0620 8918
153	141.6942 7808	178	172.3096 5004
154	142.8908 3353	179	173.5586 1491
155	144.0901 2999	180	174.8089 2237
156	145.2921 1831	181	176.0605 1064
157	146.4967 4863	182	177.3133 1766
158	147.7039 7047	183	178.5672 8105
159	148.9137 3271	184	179.8223 3814
160	150.1259 8358	185	181.0784 2601
161	151.3406 7071	186	182.3354 8147
162	152.5577 4115	187	183.5934 4110
163	153.7771 4131	188	184.8522 4124
164	154.9988 1708	189	186.1118 1804
165	156.2227 1376	190	187.3721 0747
166	157.4487 7610	191	188.6330 4528
167	158.6769 4833	192	189.8945 6710
168	159.9071 7414	193	191.1566 0841
169	161.1393 9674	194	192.4191 0455
170	162.3735 5883	195	193.6819 9075
171	163.6096 0262	196	194.9452 0215
172	164.8474 6989	197	196.2086 7380
173	166.0871 0193	198	197.4723 4071
174	167.3284 3963	199	198.7361 3780
175	168.5714 2344	200	200.0000 0000

$$e = 84^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	18.9413 2148
1	0.7513 2034	26	19.7123 1888
2	1.5027 0204	27	20.4848 6766
3	2.2542 0644	28	21.2590 2396
4	3.0058 9485	29	22.0348 4350
5	3.7578 2854	30	22.8123 8158
6	4.5100 6872	31	23.5916 9310
7	5.2626 7652	32	24.3728 3250
8	6.0157 1297	33	25.1558 5380
9	6.7692 3902	34	25.9408 1052
10	7.5233 1548	35	26.7277 5573
11	8.2780 0302	36	27.5167 4199
12	9.0333 6218	37	28.3078 2137
13	9.7894 5330	38	29.1010 4541
14	10.5463 3658	39	29.8964 6514
15	11.3040 7200	40	30.6941 3102
16	12.0627 1934	41	31.4940 9299
17	12.8223 3814	42	32.2964 0040
18	13.5829 8772	43	33.1011 0203
19	14.3447 2713	44	33.9082 4607
20	15.1076 1515	45	34.7178 8009
21	15.8717 1030	46	35.5300 5107
22	16.6370 7078	47	36.3448 0536
23	17.4037 5448	48	37.1621 8865
24	18.1718 1897	49	37.9822 4602
25	18.9413 2148	50	38.8050 2185

$$e = 84^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	38.8050 2185	75	60.3730 5615
51	39.6305 5987	76	61.2796 9506
52	40.4589 0313	77	62.1899 6597
53	41.2900 9399	78	63.1038 9105
54	42.1241 7408	79	64.0214 9151
55	42.9611 8436	80	64.9427 8770
56	43.8011 6504	81	65.8677 9903
57	44.6441 5560	82	66.7965 4400
58	45.4901 9478	83	67.7290 4020
59	46.3393 2057	84	68.6653 0428
60	47.1915 7019	85	69.6053 5197
61	48.0469 8009	86	70.5491 9806
62	48.9055 8596	87	71.4968 5640
63	49.7674 2269	88	72.4483 3990
64	50.6325 2435	89	73.4036 6055
65	51.5009 2424	90	74.3628 2936
66	52.3726 5482	91	75.3258 5641
67	53.2477 4774	92	76.2927 5082
68	54.1262 3383	93	77.2635 2076
69	55.0081 4306	94	78.2381 7344
70	55.8935 0458	95	79.2167 1511
71	56.7823 4666	96	80.1991 5108
72	57.6746 9673	97	81.1854 8566
73	58.5705 8136	98	82.1757 2224
74	59.4700 2623	99	83.1698 6323
75	60.3730 5615	100	84.1679 1006

$$e = 84^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	84.1679 1006	125	110.3730 5615
101	85.1698 6323	126	111.4700 2623
102	86.1757 2224	127	112.5705 8136
103	87.1854 8566	128	113.6746 9673
104	88.1991 5108	129	114.7823 4666
105	89.2167 1511	130	115.8935 0458
106	90.2381 7344	131	117.0081 4306
107	91.2635 2076	132	118.1262 3383
108	92.2927 5082	133	119.2477 4774
109	93.3258 5641	134	120.3726 5482
110	94.3628 2936	135	121.5009 2424
111	95.4036 6055	136	122.6325 2435
112	96.4483 3990	137	123.7674 2269
113	97.4968 5640	138	124.9055 8596
114	98.5491 9806	139	126.0469 8009
115	99.6053 5197	140	127.1915 7019
116	100.6653 0428	141	128.3393 2057
117	101.7290 4020	142	129.4901 9478
118	102.7965 4400	143	130.6441 5560
119	103.8677 9903	144	131.8011 6504
120	104.9427 8770	145	132.9611 8436
121	106.0214 9151	146	134.1241 7408
122	107.1038 9105	147	135.2900 9399
123	108.1899 6597	148	136.4589 0313
124	109.2796 9506	149	137.6305 5987
125	110.3730 5615	150	138.8050 2185

$$e = 84^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	138.8050 2185	175	168.9413 2148
151	139.9822 4602	176	170.1718 1897
152	141.1621 8865	177	171.4037 5448
153	142.3448 0536	178	172.6370 7078
154	143.5300 5107	179	173.8717 1030
155	144.7178 8009	180	175.1076 1515
156	145.9082 4607	181	176.3447 2713
157	147.1011 0203	182	177.5829 8772
158	148.2964 0040	183	178.8223 3814
159	149.4940 9299	184	180.0627 1934
160	150.6941 3102	185	181.3040 7200
161	151.8964 6514	186	182.5463 3658
162	153.1010 4541	187	183.7894 5330
163	154.3078 2137	188	185.0333 6218
164	155.5167 4199	189	186.2780 0302
165	156.7277 5573	190	187.5233 1548
166	157.9408 1052	191	188.7692 3902
167	159.1558 5380	192	190.0157 1297
168	160.3728 3250	193	191.2626 7652
169	161.5916 9310	194	192.5100 6872
170	162.8123 8158	195	193.7578 2854
171	164.0348 4350	196	195.0058 9485
172	165.2590 2396	197	196.2542 0644
173	166.4848 6766	198	197.5027 0204
174	167.7123 1888	199	198.7513 2034
175	168.9413 2148	200	200.0000 0000

$e = 85^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	19.3127 1441
1	0.7665 6424	26	20.0977 4951
2	1.5331 8607	27	20.8842 4091
3	2.2999 2308	28	21.6722 4127
4	3.0668 3283	29	22.4618 0292
5	3.8339 7282	30	23.2529 7777
6	4.6014 0051	31	24.0458 1734
7	5.3691 7328	32	24.8403 7276
8	6.1373 4844	33	25.6366 9470
9	6.9059 8318	34	26.4348 3344
10	7.6751 3458	35	27.2348 3876
11	8.4448 5961	36	28.0367 6002
12	9.2152 1508	37	28.8406 4609
13	9.9862 5766	38	29.6465 4536
14	10.7580 4383	39	30.4545 0572
15	11.5306 2991	40	31.2645 7455
16	12.3040 7200	41	32.0767 9872
17	13.0784 2601	42	32.8912 2455
18	13.8537 4761	43	33.7078 9784
19	14.6300 9223	44	34.5268 6382
20	15.4075 1506	45	35.3481 6715
21	16.1860 7102	46	36.1718 5192
22	16.9658 1475	47	36.9979 6164
23	17.7468 0058	48	37.8265 3922
24	18.5290 8256	49	38.6576 2695
25	19.3127 1441	50	39.4912 6650

$e = 85^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	39.4912 6650	75	61.2696 7800
51	40.3274 9892	76	62.1820 3988
52	41.1663 6463	77	63.0978 1113
53	42.0079 0337	78	64.0170 1254
54	42.8521 5425	79	64.9396 6404
55	43.6991 5569	80	65.8657 8472
56	44.5489 4545	81	66.7953 9280
57	45.4015 6058	82	67.7285 0566
58	46.2570 3745	83	68.6651 3980
59	47.1154 1173	84	69.6053 1085
60	47.9767 1834	85	70.5490 3357
61	48.8409 9153	86	71.4963 2185
62	49.7082 6476	87	72.4471 8870
63	50.5785 7080	88	73.4016 4624
64	51.4519 4164	89	74.3597 0570
65	52.3284 0853	90	75.3213 7744
66	53.2080 0194	91	76.2866 7090
67	54.0907 5158	92	77.2555 9466
68	54.9766 8639	93	78.2281 5638
69	55.8658 3451	94	79.2043 6284
70	56.7582 2329	95	80.1842 1989
71	57.6538 7927	96	81.1677 3252
72	58.5528 2821	97	82.1549 0479
73	59.4550 9504	98	83.1457 3986
74	60.3607 0388	99	84.1402 4000
75	61.2696 7800	100	85.1384 0656

$e = 85^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	85.1384 0656	125	111.2696 7800
101	86.1402 4000	126	112.3607 0388
102	87.1457 3986	127	113.4550 9504
103	88.1549 0479	128	114.5528 2821
104	89.1677 3252	129	115.6538 7927
105	90.1842 1989	130	116.7582 2329
106	91.2043 6284	131	117.8658 3451
107	92.2281 5638	132	118.9766 8639
108	93.2555 9466	133	120.0907 5158
109	94.2866 7090	134	121.2080 0194
110	95.3213 7744	135	122.3284 0853
111	96.3597 0570	136	123.4519 4164
112	97.4016 4624	137	124.5785 7080
113	98.4471 8870	138	125.7082 6476
114	99.4963 2185	139	126.8409 9153
115	100.5490 3357	140	127.9767 1834
116	101.6053 1085	141	129.1154 1173
117	102.6651 3980	142	130.2570 3745
118	103.7285 0566	143	131.4015 6058
119	104.7953 9280	144	132.5489 4545
120	105.8657 8472	145	133.6991 5569
121	106.9396 6404	146	134.8521 5425
122	108.0170 1254	147	136.0079 0337
123	109.0978 1113	148	137.1663 6463
124	110.1820 3988	149	138.3274 9892
125	111.2696 7800	150	139.4912 6650

$e = 85^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	139.4912 6650	175	169.3127 1441
151	140.6576 2695	176	170.5290 8256
152	141.8265 3922	177	171.7468 0058
153	142.9979 6164	178	172.9658 1475
154	144.1718 5192	179	174.1860 7102
155	145.3481 6715	180	175.4075 1506
156	146.5268 6382	181	176.6300 9223
157	147.7078 9784	182	177.8537 4761
158	148.8912 2455	183	179.0784 2601
159	150.0767 9872	184	180.3040 7200
160	151.2645 7455	185	181.5306 2991
161	152.4545 0572	186	182.7580 4383
162	153.6465 4536	187	183.9862 5766
163	154.8406 4609	188	185.2152 1508
164	156.0367 6002	189	186.4448 5961
165	157.2348 3876	190	187.6751 3458
166	158.4348 3344	191	188.9059 8318
167	159.6366 9470	192	190.1373 4844
168	160.8403 7276	193	191.3691 7328
169	162.0458 1734	194	192.6014 0051
170	163.2529 7777	195	193.8339 7282
171	164.4618 0292	196	195.0668 3283
172	165.6722 4127	197	196.2999 2308
173	166.8842 4091	198	197.5331 8607
174	168.0977 4951	199	198.7665 6424
175	169.3127 1441	200	200.0000 0000

$e = 86^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	19.6855 1059
1	0.7818 6573	26	20.4846 3644
2	1.5637 8528	27	21.2851 2312
3	2.3458 1246	28	22.0870 1986
4	3.1280 0105	29	22.8903 7554
5	3.9104 0479	30	23.6952 3868
6	4.6930 7738	31	24.5016 5743
7	5.4760 7243	32	25.3096 7954
8	6.2594 4348	33	26.1193 5239
9	7.0432 4399	34	26.9307 2294
10	7.8275 2731	35	27.7438 3772
11	8.6123 4664	36	28.5587 4286
12	9.3977 5510	37	29.3754 8401
13	10.1838 0562	38	30.1941 0640
14	10.9705 5099	39	31.0146 5477
15	11.7580 4383	40	31.8371 7341
16	12.5463 3658	41	32.6617 0611
17	13.3354 8147	42	33.4882 9615
18	14.1255 3053	43	34.3169 8633
19	14.9165 3555	44	35.1478 1892
20	15.7085 4810	45	35.9808 3565
21	16.5016 1951	46	36.8160 7772
22	17.2958 0082	47	37.6535 8578
23	18.0911 4283	48	38.4933 9994
24	18.8876 9602	49	39.3355 5970
25	19.6855 1059	50	40.1801 0403

$e = 86^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	40.1801 0403	75	62.1696 8760
51	41.0270 7126	76	63.0877 9407
52	41.8764 9916	77	64.0090 8644
53	42.7284 2489	78	64.9335 8412
54	43.5828 8498	79	65.8613 0574
55	44.4399 1533	80	66.7922 6914
56	45.2995 5122	81	67.7264 9135
57	46.1618 2730	82	68.6639 8860
58	47.0267 7752	83	69.6047 7630
59	47.8944 3523	84	70.5488 6908
60	48.7648 3307	85	71.4962 8073
61	49.6380 0301	86	72.4470 2422
62	50.5139 7636	87	73.4011 1170
63	51.3927 8372	88	74.3585 5450
64	52.2744 5498	89	75.3193 6312
65	53.1590 1934	90	76.2835 4724
66	54.0465 0529	91	77.2511 1569
67	54.9369 4059	92	78.2220 7647
68	55.8303 5226	93	79.1964 3674
69	56.7267 6662	94	80.1742 0284
70	57.6262 0921	95	81.1553 8024
71	58.5287 0484	96	82.1399 7360
72	59.4342 7759	97	83.1279 8672
73	60.3429 5073	98	84.1194 2254
74	61.2547 4682	99	85.1142 8319
75	62.1696 8760	100	86.1125 6993

$e = 86^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	86.1125 6993	125	112.1696 8760
101	87.1142 8319	126	113.2547 4682
102	88.1194 2254	127	114.3429 5073
103	89.1279 8672	128	115.4342 7759
104	90.1399 7360	129	116.5287 0484
105	91.1553 8024	130	117.6262 0921
106	92.1742 0284	131	118.7267 6662
107	93.1964 3674	132	119.8303 5226
108	94.2220 7647	133	120.9369 4059
109	95.2511 1569	134	122.0465 0529
110	96.2835 4724	135	123.1590 1934
111	97.3193 6312	136	124.2744 5498
112	98.3585 5450	137	125.3927 8372
113	99.4011 1170	138	126.5139 7636
114	100.4470 2422	139	127.6380 0301
115	101.4962 8073	140	128.7648 3307
116	102.5488 6908	141	129.8944 3523
117	103.6047 7630	142	131.0267 7752
118	104.6639 8860	143	132.1618 2730
119	105.7264 9135	144	133.2995 5122
120	106.7922 6914	145	134.4399 1533
121	107.8613 0574	146	135.5828 8498
122	108.9335 8412	147	136.7284 2489
123	110.0090 8644	148	137.8764 9916
124	111.0877 9407	149	139.0270 7126
125	112.1696 8760	150	140.1801 0403

$e = 86^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	140.1801 0403	175	169.6855 1059
151	141.3355 5970	176	170.8876 9602
152	142.4933 9994	177	172.0911 4283
153	143.6535 8578	178	173.2958 0082
154	144.8160 7772	179	174.5016 1951
155	145.9808 3565	180	175.7085 4810
156	147.1478 1892	181	176.9165 3555
157	148.3169 8633	182	178.1255 3053
158	149.4882 9615	183	179.3354 8147
159	150.6617 0611	184	180.5463 3658
160	151.8371 7341	185	181.7580 4383
161	153.0146 5477	186	182.9705 5099
162	154.1941 0640	187	184.1838 0562
163	155.3754 8401	188	185.3977 5510
164	156.5587 4286	189	186.6123 4664
165	157.7438 3772	190	187.8275 2731
166	158.9307 2294	191	189.0432 4399
167	160.1193 5239	192	190.2594 4348
168	161.3096 7954	193	191.4760 7243
169	162.5016 5743	194	192.6930 7738
170	163.6952 3868	195	193.9104 0479
171	164.8903 7554	196	195.1280 0105
172	166.0870 1986	197	196.3458 1246
173	167.2851 2312	198	197.5637 8528
174	168.4846 3644	199	198.7818 6573
175	169.6855 1059	200	200.0000 0000

$e = 87^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	20.0596 1805
1	0.7972 2104	26	20.8728 8420
2	1.5944 9212	27	21.6874 1540
3	2.3918 6325	28	22.5032 5739
4	3.1893 8443	29	23.3204 5563
5	3.9871 0561	30	24.1390 5520
6	4.7850 7672	31	24.9591 0088
7	5.5833 4758	32	25.7806 3706
8	6.3819 6799	33	26.6037 0777
9	7.1809 8761	34	27.4283 5668
10	7.9804 5606	35	28.2546 2703
11	8.7804 2279	36	29.0825 6171
12	9.5809 3718	37	29.9122 0316
13	10.3820 4843	38	30.7435 9342
14	11.1838 0562	39	31.5767 7409
15	11.9862 5766	40	32.4117 8633
16	12.7894 5330	41	33.2486 7085
17	13.5934 4110	42	34.0874 6789
18	14.3982 6941	43	34.9282 1723
19	15.2039 8639	44	35.7709 5816
20	16.0106 3999	45	36.6157 2949
21	16.8182 7790	46	37.4625 6951
22	17.6269 4759	47	38.3115 1601
23	18.4366 9626	48	39.1626 0627
24	19.2475 7086	49	40.0158 7702
25	20.0596 1805	50	40.8713 6446

$$e = 87^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	40.8713 6446	75	63.0728 6289
51	41.7291 0427	76	63.9967 3416
52	42.5891 3152	77	64.9235 6706
53	43.4514 8077	78	65.8533 7964
54	44.3161 8597	79	66.7861 8922
55	45.1832 8051	80	67.7220 1237
56	46.0527 9718	81	68.6608 6493
57	46.9247 6817	82	69.6027 6199
58	47.7992 2507	83	70.5477 1788
59	48.6761 9886	84	71.4957 4619
60	49.5557 1990	85	72.4468 5973
61	50.4378 1790	86	73.4010 7057
62	51.3225 2197	87	74.3583 9001
63	52.2098 6054	88	75.3188 2858
64	53.0998 6142	89	76.2823 9604
65	53.9925 5175	90	77.2491 0137
66	54.8879 5799	91	78.2189 5280
67	55.7861 0597	92	79.1919 5776
68	56.6870 2081	93	80.1681 2292
69	57.5907 2696	94	81.1474 5415
70	58.4972 4817	95	82.1299 5655
71	59.4066 0752	96	83.1156 3444
72	60.3188 2736	97	84.1044 9136
73	61.2339 2936	98	85.0965 3005
74	62.1519 3446	99	86.0917 5247
75	63.0728 6289	100	87.0901 5982

$e = 87^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	87.0901 5982	125	113.0728 6289
101	88.0917 5247	126	114.1519 3446
102	89.0965 3005	127	115.2339 2936
103	90.1044 9136	128	116.3188 2736
104	91.1156 3444	129	117.4066 0752
105	92.1299 5655	130	118.4972 4817
106	93.1474 5415	131	119.5907 2696
107	94.1681 2292	132	120.6870 2081
108	95.1919 5776	133	121.7861 0597
109	96.2189 5280	134	122.8879 5799
110	97.2491 0137	135	123.9925 5175
111	98.2823 9604	136	125.0998 6142
112	99.3188 2858	137	126.2098 6054
113	100.3583 9001	138	127.3225 2197
114	101.4010 7057	139	128.4378 1790
115	102.4468 5973	140	129.5557 1990
116	103.4957 4619	141	130.6761 9886
117	104.5477 1788	142	131.7992 2507
118	105.6027 6199	143	132.9247 6817
119	106.6608 6493	144	134.0527 9718
120	107.7220 1237	145	135.1832 8051
121	108.7861 8922	146	136.3161 8597
122	109.8533 7964	147	137.4514 8077
123	110.9235 6706	148	138.5891 3152
124	111.9967 3416	149	139.7291 0427
125	113.0728 6289	150	140.8713 6446

$e = 87^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	140.8713 6446	175	170.0596 1805
151	142.0158 7702	176	171.2475 7086
152	143.1626 0627	177	172.4366 9626
153	144.3115 1601	178	173.6269 4759
154	145.4625 6951	179	174.8182 7790
155	146.6157 2949	180	176.0106 3999
156	147.7709 5816	181	177.2039 8639
157	148.9282 1723	182	178.3982 6941
158	150.0874 6789	183	179.5934 4110
159	151.2486 7085	184	180.7894 5330
160	152.4117 8633	185	181.9862 5766
161	153.5767 7409	186	183.1838 0562
162	154.7435 9342	187	184.3820 4843
163	155.9122 0316	188	185.5809 3718
164	157.0825 6171	189	186.7804 2279
165	158.2546 2703	190	187.9804 5606
166	159.4283 5668	191	189.1809 8761
167	160.6037 0777	192	190.3819 6799
168	161.7806 3706	193	191.5833 4758
169	162.9591 0088	194	192.7850 7672
170	164.1390 5520	195	193.9871 0561
171	165.3204 5563	196	195.1893 8443
172	166.5032 5739	197	196.3918 6325
173	167.6874 1540	198	197.5944 9212
174	168.8728 8420	199	198.7972 2104
175	170.0596 1805	200	200.0000 0000

$$e = 88^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	20.4349 4447
1	0.8126 2639	26	21.2623 9700
2	1.6252 9901	27	22.0910 1847
3	2.4380 6409	28	22.9208 5116
4	3.2509 6781	29	23.7519 3705
5	4.0640 5635	30	24.5843 1783
6	4.8773 7581	31	25.4180 3484
7	5.6909 7227	32	26.2531 2912
8	6.5048 9171	33	27.0896 4135
9	7.3191 8005	34	27.9276 1187
10	8.1338 8310	35	28.7670 8067
11	8.9490 4659	36	29.6080 8734
12	9.7647 1612	37	30.4506 7113
13	10.5809 3718	38	31.2948 7086
14	11.3977 5510	39	32.1407 2498
15	12.2152 1508	40	32.9882 7153
16	13.0333 6218	41	33.8375 4811
17	13.8522 4124	42	34.6885 9193
18	14.6718 9697	43	35.5414 3972
19	15.4923 7385	44	36.3961 2780
20	16.3137 1619	45	37.2526 9203
21	17.1359 6807	46	38.1111 6778
22	17.9591 7334	47	38.9715 8999
23	18.7833 7562	48	39.8339 9309
24	19.6086 1829	49	40.6984 1103
25	20.4349 4447	50	41.5648 7726

$e = 88^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	41.5648 7726	75	63.9789 8102
51	42.4334 2473	76	64.9086 3588
52	43.3040 8587	77	65.8410 2737
53	44.1768 9260	78	66.7761 7217
54	45.0518 7631	79	67.7140 8627
55	45.9290 6782	80	68.6547 8501
56	46.8084 9746	81	69.5982 8302
57	47.6901 9496	82	70.5445 9422
58	48.5741 8951	83	71.4937 3187
59	49.4605 0974	84	72.4457 0853
60	50.3491 8370	85	73.4005 3603
61	51.2402 3885	86	74.3582 2553
62	52.1337 0208	87	75.3187 8746
63	53.0295 9967	88	76.2822 3155
64	53.9279 5731	89	77.2485 6683
65	54.8288 0007	90	78.2178 0160
66	55.7321 5243	91	79.1899 4345
67	56.6380 3822	92	80.1649 9926
68	57.5464 8067	93	81.1429 7517
69	58.4575 0237	94	82.1238 7663
70	59.3711 2527	95	83.1077 0834
71	60.2873 7069	96	84.0944 7430
72	61.2062 5929	97	85.0841 7777
73	62.1278 1109	98	86.0768 2129
74	63.0520 4543	99	87.0724 0668
75	63.9789 8102	100	88.0709 3502

$e = 88^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	88.0709 3502	125	113.9789 8102
101	89.0724 0668	126	115.0520 4543
102	90.0768 2129	127	116.1278 1109
103	91.0841 7777	128	117.2062 5929
104	92.0944 7430	129	118.2873 7069
105	93.1077 0834	130	119.3711 2527
106	94.1238 7663	131	120.4575 0237
107	95.1429 7517	132	121.5464 8067
108	96.1649 9926	133	122.6380 3822
109	97.1899 4345	134	123.7321 5243
110	98.2178 0160	135	124.8288 0007
111	99.2485 6683	136	125.9279 5731
112	100.2822 3155	137	127.0295 9967
113	101.3187 8746	138	128.1337 0208
114	102.3582 2553	139	129.2402 3885
115	103.4005 3603	140	130.3491 8370
116	104.4457 0853	141	131.4605 0974
117	105.4937 3187	142	132.5741 8951
118	106.5445 9422	143	133.6901 9496
119	107.5982 8302	144	134.8084 9746
120	108.6547 8501	145	135.9290 6782
121	109.7140 8627	146	137.0518 7631
122	110.7761 7217	147	138.1768 9260
123	111.8410 2737	148	139.3040 8587
124	112.9086 3588	149	140.4334 2473
125	113.9789 8102	150	141.5648 7726

$e = 88^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	141.5648 7726	175	170.4349 4447
151	142.6984 1103	176	171.6086 1829
152	143.8339 9309	177	172.7833 7562
153	144.9715 8999	178	173.9591 7334
154	146.1111 6778	179	175.1359 6807
155	147.2526 9203	180	176.3137 1619
156	148.3961 2780	181	177.4923 7385
157	149.5414 3972	182	178.6718 9697
158	150.6885 9193	183	179.8522 4124
159	151.8375 4811	184	181.0333 6218
160	152.9882 7153	185	182.2152 1508
161	154.1407 2498	186	183.3977 5510
162	155.2948 7086	187	184.5809 3718
163	156.4506 7113	188	185.7647 1612
164	157.6080 8734	189	186.9490 4659
165	158.7670 8067	190	188.1338 8310
166	159.9276 1187	191	189.3191 8005
167	161.0896 4135	192	190.5048 9171
168	162.2531 2912	193	191.6909 7227
169	163.4180 3484	194	192.8773 7581
170	164.5843 1783	195	194.0640 5635
171	165.7519 3705	196	195.2509 6781
172	166.9208 5116	197	196.4380 6409
173	168.0910 1847	198	197.6252 9901
174	169.2623 9700	199	198.8126 2639
175	170.4349 4447	200	200.0000 0000

$$e = 89^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	20.8113 9725
1	0.8280 7797	26	21.6530 7874
2	1.6561 9836	27	22.4958 3277
3	2.4844 0358	28	23.3396 9813
4	3.3127 3601	29	24.1847 1336
5	4.1412 3801	30	25.0309 1669
6	4.9699 5191	31	25.8783 4606
7	5.7989 1995	32	26.7270 3912
8	6.6281 8433	33	27.5770 3321
9	7.4577 8720	34	28.4283 6534
10	8.2877 7058	35	29.2810 7218
11	9.1181 7643	36	30.1351 9008
12	9.9490 4659	37	30.9907 5504
13	10.7804 2279	38	31.8478 0269
14	11.6123 4664	39	32.7063 6830
15	12.4448 5961	40	33.5664 8676
16	13.2780 0302	41	34.4281 9261
17	14.1118 1804	42	35.2915 1994
18	14.9463 4568	43	36.1565 0250
19	15.7816 2676	44	37.0231 7358
20	16.6177 0193	45	37.8915 6610
21	17.4546 1163	46	38.7617 1251
22	18.2923 9610	47	39.6336 4486
23	19.1310 9537	48	40.5073 9475
24	19.9707 4923	49	41.3829 9333
25	20.8113 9725	50	42.2604 7129

$$e = 89^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	42.2604 7129	75	64.8878 1842
51	43.1398 5886	76	65.8232 7422
52	44.0211 8581	77	66.7612 4098
53	44.9044 8141	78	67.7017 3400
54	45.7897 7445	79	68.6447 6796
55	46.6770 9325	80	69.5903 5692
56	47.5664 6560	81	70.5385 1430
57	48.4579 1880	82	71.4892 5290
58	49.3514 7963	83	72.4425 8487
59	50.2471 7435	84	73.3985 2172
60	51.1450 2870	85	74.3570 7433
61	52.0450 6788	86	75.3182 5292
62	52.9473 1656	87	76.2820 6707
63	53.8517 9885	88	77.2485 2571
64	54.7585 3832	89	78.2176 3712
65	55.6675 5799	90	79.1894 0891
66	56.5788 8029	91	80.1638 4805
67	57.4925 2712	92	81.1409 6086
68	58.4085 1977	93	82.1207 5297
69	59.3268 7898	94	83.1032 2937
70	60.2476 2489	95	84.0883 9438
71	61.1707 7705	96	85.0762 5167
72	62.0963 5442	97	86.0668 0423
73	63.0243 7536	98	87.0600 5440
74	63.9548 5765	99	88.0560 0383
75	64.8878 1842	100	89.0546 5353

$$e = 89^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	89.0546 5353	125	114.8878 1842
101	90.0560 0383	126	115.9548 5765
102	91.0600 5440	127	117.0243 7536
103	92.0668 0423	128	118.0963 5442
104	93.0762 5167	129	119.1707 7705
105	94.0883 9438	130	120.2476 2489
106	95.1032 2937	131	121.3268 7898
107	96.1207 5297	132	122.4085 1977
108	97.1409 6086	133	123.4925 2712
109	98.1638 4805	134	124.5788 8029
110	99.1894 0891	135	125.6675 5799
111	100.2176 3712	136	126.7585 3832
112	101.2485 2571	137	127.8517 9885
113	102.2820 6707	138	128.9473 1656
114	103.3182 5292	139	130.0450 6788
115	104.3570 7433	140	131.1450 2870
116	105.3985 2172	141	132.2471 7435
117	106.4425 8487	142	133.3514 7963
118	107.4892 5290	143	134.4579 1880
119	108.5385 1430	144	135.5664 6560
120	109.5903 5692	145	136.6770 9325
121	110.6447 6796	146	137.7897 7445
122	111.7017 3400	147	138.9044 8141
123	112.7612 4098	148	140.0211 8581
124	113.8232 7422	149	141.1398 5886
125	114.8878 1842	150	142.2604 7129

$e = 89^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	142.2604 7129	175	170.8113 9725
151	143.3829 9333	176	171.9707 4923
152	144.5073 9475	177	173.1310 9537
153	145.6336 4486	178	174.2923 9610
154	146.7617 1251	179	175.4546 1163
155	147.8915 6610	180	176.6177 0193
156	149.0231 7358	181	177.7816 2676
157	150.1565 0250	182	178.9463 4568
158	151.2915 1994	183	180.1118 1804
159	152.4281 9261	184	181.2780 0302
160	153.5664 8676	185	182.4448 5961
161	154.7063 6830	186	183.6123 4664
162	155.8478 0269	187	184.7804 2279
163	156.9907 5504	188	185.9490 4659
164	158.1351 9008	189	187.1181 7643
165	159.2810 7218	190	188.2877 7058
166	160.4283 6534	191	189.4577 8720
167	161.5770 3321	192	190.6281 8433
168	162.7270 3912	193	191.7989 1995
169	163.8783 4606	194	192.9699 5191
170	165.0309 1669	195	194.1412 3801
171	166.1847 1336	196	195.3127 3601
172	167.3396 9813	197	196.4844 0358
173	168.4958 3277	198	197.6561 9836
174	169.6530 7874	199	198.8280 7797
175	170.8113 9725	200	200.0000 0000

$e = 90^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	21.1888 8350
1	0.8435 7197	26	22.0448 3301
2	1.6871 8253	27	22.9017 5840
3	2.5308 7028	28	23.7596 9497
4	3.3746 7378	29	24.6186 7777
5	4.2186 3157	30	25.4787 4159
6	5.0627 8214	31	26.3399 2097
7	5.9071 6397	32	27.2022 5016
8	6.7518 1543	33	28.0657 6311
9	7.5967 7487	34	28.9304 9352
10	8.4420 8053	35	29.7964 7475
11	9.2877 7058	36	30.6637 3988
12	10.1338 8310	37	31.5323 2164
13	10.9804 5606	38	32.4022 5247
14	11.8275 2731	39	33.2735 6447
15	12.6751 3458	40	34.1462 8937
16	13.5233 1548	41	35.0204 5860
17	14.3721 0747	42	35.8961 0318
18	15.2215 4784	43	36.7732 5381
19	16.0716 7376	44	37.6519 4079
20	16.9225 2220	45	38.5321 9407
21	17.7741 2996	46	39.4140 4318
22	18.6265 3366	47	40.2975 1727
23	19.4797 6971	48	41.1826 4510
24	20.3338 7432	49	42.0694 5502
25	21.1888 8350	50	42.9579 7494

$e = 90^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	42.9579 7494	75	65.7991 5085
51	43.8482 3237	76	66.7404 2352
52	44.7402 5440	77	67.6839 8085
53	45.6340 6766	78	68.6298 3677
54	46.5296 9835	79	69.5780 0464
55	47.4271 7223	80	70.5284 9725
56	48.3265 1459	81	71.4813 2680
57	49.2277 5027	82	72.4365 0495
58	50.1309 0363	83	73.3940 4274
59	51.0359 9858	84	74.3539 5066
60	51.9430 5853	85	75.3162 3860
61	52.8521 0640	86	76.2809 1587
62	53.7631 6465	87	77.2479 9117
63	54.6762 5521	88	78.2174 7263
64	55.5913 9953	89	79.1893 6779
65	56.5086 1855	90	80.1636 8357
66	57.4279 3268	91	81.1404 2632
67	58.3493 6185	92	82.1196 0176
68	59.2729 2543	93	83.1012 1505
69	60.1986 4229	94	84.0852 7072
70	61.1265 3076	95	85.0717 7270
71	62.0566 0861	96	86.0607 2432
72	62.9888 9312	97	87.0521 2830
73	63.9234 0098	98	88.0459 8678
74	64.8601 4836	99	89.0423 0126
75	65.7991 5085	100	90.0410 7265

$e = 90^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	90.0410 7265	125	115.7991 5085
101	91.0423 0126	126	116.8601 4836
102	92.0459 8678	127	117.9234 0098
103	93.0521 2830	128	118.9888 9312
104	94.0607 2432	129	120.0566 0861
105	95.0717 7270	130	121.1265 3076
106	96.0852 7072	131	122.1986 4229
107	97.1012 1505	132	123.2729 2543
108	98.1196 0176	133	124.3493 6185
109	99.1404 2632	134	125.4279 3268
110	100.1636 8357	135	126.5086 1855
111	101.1893 6779	136	127.5913 9953
112	102.2174 7263	137	128.6762 5521
113	103.2479 9117	138	129.7631 6465
114	104.2809 1587	139	130.8521 0640
115	105.3162 3860	140	131.9430 5853
116	106.3539 5066	141	133.0359 9858
117	107.3940 4274	142	134.1309 0363
118	108.4365 0495	143	135.2277 5027
119	109.4813 2680	144	136.3265 1459
120	110.5284 9725	145	137.4271 7223
121	111.5780 0464	146	138.5296 9835
122	112.6298 3677	147	139.6340 6766
123	113.6839 8085	148	140.7402 5440
124	114.7404 2352	149	141.8482 3237
125	115.7991 5085	150	142.9579 7494

$e = 90^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	142.9579 7494	175	171.1888 8350
151	144.0694 5502	176	172.3338 7432
152	145.1826 4510	177	173.4797 6971
153	146.2975 1727	178	174.6265 3366
154	147.4140 4318	179	175.7741 2996
155	148.5321 9407	180	176.9225 2220
156	149.6519 4079	181	178.0716 7376
157	150.7732 5381	182	179.2215 4784
158	151.8961 0318	183	180.3721 0747
159	153.0204 5860	184	181.5233 1548
160	154.1462 8937	185	182.6751 3458
161	155.2735 6447	186	183.8275 2731
162	156.4022 5247	187	184.9804 5606
163	157.5323 2164	188	186.1338 8310
164	158.6637 3988	189	187.2877 7058
165	159.7964 7475	190	188.4420 8053
166	160.9304 9352	191	189.5967 7487
167	162.0657 6311	192	190.7518 1543
168	163.2022 5016	193	191.9071 6397
169	164.3399 2097	194	193.0627 8214
170	165.4787 4159	195	194.2186 3157
171	166.6186 7777	196	195.3746 7378
172	167.7596 9497	197	196.5308 7028
173	168.9017 5840	198	197.6871 8253
174	170.0448 3301	199	198.8435 7197
175	171.1888 8350	200	200.0000 0000

$e = 91^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	21.5673 1009
1	0.8591 0456	26	22.4375 6316
2	1.7182 4389	27	23.3086 9521
3	2.5774 5273	28	24.1807 3803
4	3.4367 6584	29	25.0537 2320
5	4.2962 1791	30	25.9276 8205
6	5.1558 4363	31	26.8026 4569
7	6.0156 7763	32	27.6786 4496
8	6.8757 5450	33	28.5557 1047
9	7.7361 0876	34	29.4338 7253
10	8.5967 7487	35	30.3131 6122
11	9.4577 8720	36	31.1936 0631
12	10.3191 8005	37	32.0752 3731
13	11.1809 8761	38	32.9580 8342
14	12.0432 4399	39	33.8421 7355
15	12.9059 8318	40	34.7275 3630
16	13.7692 3902	41	35.6141 9995
17	14.6330 4528	42	36.5021 9246
18	15.4974 3554	43	37.3915 4147
19	16.3624 4328	44	38.2822 7429
20	17.2281 0179	45	39.1744 1787
21	18.0944 4423	46	40.0679 9883
22	18.9615 0357	47	40.9630 4342
23	19.8293 1262	48	41.8595 7753
24	20.6979 0398	49	42.7576 2671
25	21.5673 1009	50	43.6572 1610

$e = 91^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	43.6572 1610	75	66.7127 5346
51	44.5583 7047	76	67.6598 5748
52	45.4611 1422	77	68.6090 1932
53	46.3654 7134	78	69.5602 5150
54	47.2714 6543	79	70.5135 6606
55	48.1791 1969	80	71.4689 7453
56	49.0884 5690	81	72.4264 8789
57	49.9994 9943	82	73.3861 1665
58	50.9122 6923	83	74.3478 7074
59	51.8267 8781	84	75.3117 5963
60	52.7430 7628	85	76.2777 9220
61	53.6611 5529	86	77.2459 7685
62	54.5810 4505	87	78.2163 2143
63	55.5027 6533	88	79.1888 3324
64	56.4263 3543	89	80.1635 1908
65	57.3517 7422	90	81.1403 8519
66	58.2791 0010	91	82.1194 3728
67	59.2083 3100	92	83.1006 8051
68	60.1394 8437	93	84.0841 1952
69	61.0725 7721	94	85.0697 5838
70	62.0076 2602	95	86.0576 0065
71	62.9446 4683	96	87.0476 4933
72	63.8836 5517	97	88.0399 0686
73	64.8246 6611	98	89.0343 7516
74	65.7676 9418	99	90.0310 5559
75	66.7127 5346	100	91.0299 4898

$e = 91^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	91.0299 4898	125	116.7127 5346
101	92.0310 5559	126	117.7676 9418
102	93.0343 7516	127	118.8246 6611
103	94.0399 0686	128	119.8836 5517
104	95.0476 4933	129	120.9446 4683
105	96.0576 0065	130	122.0076 2602
106	97.0697 5838	131	123.0725 7721
107	98.0841 1952	132	124.1394 8437
108	99.1006 8051	133	125.2083 3100
109	100.1194 3728	134	126.2791 0010
110	101.1403 8519	135	127.3517 7422
111	102.1635 1908	136	128.4263 3543
112	103.1888 3324	137	129.5027 6533
113	104.2163 2143	138	130.5810 4505
114	105.2459 7685	139	131.6611 5529
115	106.2777 9220	140	132.7430 7628
116	107.3117 5963	141	133.8267 8781
117	108.3478 7074	142	134.9122 6923
118	109.3861 1665	143	135.9994 9943
119	110.4264 8789	144	137.0884 5690
120	111.4689 7453	145	138.1791 1969
121	112.5135 6606	146	139.2714 6543
122	113.5602 5150	147	140.3654 7134
123	114.6090 1932	148	141.4611 1422
124	115.6598 5748	149	142.5583 7047
125	116.7127 5346	150	143.6572 1610

$e = 91^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	143.6572 1610	175	171.5673 1009
151	144.7576 2671	176	172.6979 0398
152	145.8595 7753	177	173.8293 1262
153	146.9630 4342	178	174.9615 0357
154	148.0679 9883	179	176.0944 4423
155	149.1744 1787	180	177.2281 0179
156	150.2822 7429	181	178.3624 4328
157	151.3915 4147	182	179.4974 3554
158	152.5021 9246	183	180.6330 4528
159	153.6141 9995	184	181.7692 3902
160	154.7275 3630	185	182.9059 8318
161	155.8421 7355	186	184.0432 4399
162	156.9580 8342	187	185.1809 8761
163	158.0752 3731	188	186.3191 8005
164	159.1936 0631	189	187.4577 8720
165	160.3131 6122	190	188.5967 7487
166	161.4338 7253	191	189.7361 0876
167	162.5557 1047	192	190.8757 5450
168	163.6786 4496	193	192.0156 7763
169	164.8026 4569	194	193.1558 4363
170	165.9276 8205	195	194.2962 1791
171	167.0537 2320	196	195.4367 6584
172	168.1807 3803	197	196.5774 5273
173	169.3086 9521	198	197.7182 4389
174	170.4375 6316	199	198.8591 0456
175	171.5673 1009	200	200.0000 0000

$$e = 92^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	21.9465 8364
1	0.8746 7192	26	22.8311 7229
2	1.7493 7476	27	23.7165 4279
3	2.6241 3945	28	24.6027 2344
4	3.4989 9686	29	25.4897 4232
5	4.3739 7790	30	26.3776 2730
6	5.2491 1339	31	27.2664 0605
7	6.1244 3416	32	28.1561 0600
8	6.9999 7096	33	29.0467 5438
9	7.8757 5450	34	29.9383 7816
10	8.7518 1543	35	30.8310 0409
11	9.6281 8433	36	31.7246 5865
12	10.5048 9171	37	32.6193 6809
13	11.3819 6799	38	33.5151 5839
14	12.2594 4348	39	34.4120 5525
15	13.1373 4844	40	35.3100 8412
16	14.0157 1297	41	36.2092 7016
17	14.8945 6710	42	37.1096 3824
18	15.7739 4072	43	38.0112 1294
19	16.6538 6358	44	38.9140 1855
20	17.5343 6531	45	39.8180 7905
21	18.4154 7540	46	40.7234 1811
22	19.2972 2319	47	41.6300 5909
23	20.1796 3784	48	42.5380 2502
24	21.0627 4838	49	43.4473 3861
25	21.9465 8364	50	44.3580 2224

$$e = 92^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	44.3580 2224	75	67.6284 0081
51	45.2700 9795	76	68.5813 4925
52	46.1835 8741	77	69.5361 2813
53	47.0985 1200	78	70.4927 4860
54	48.0148 9268	79	71.4512 2138
55	48.9327 5010	80	72.4115 5671
56	49.8521 0453	81	73.3737 6437
57	50.7729 7586	82	74.3378 5369
58	51.6953 8361	83	75.3038 3353
59	52.6193 4693	84	76.2717 1228
60	53.5448 8458	85	77.2414 9788
61	54.4720 1493	86	78.2131 9777
62	55.4007 5597	87	79.1868 1893
63	56.3311 2527	88	80.1623 6788
64	57.2631 4002	89	81.1398 5065
65	58.1968 1699	90	82.1192 7279
66	59.1321 7254	91	83.1006 3939
67	60.0692 2262	92	84.0839 5503
68	61.0079 8277	93	85.0692 2384
69	61.9484 6810	94	86.0564 4945
70	62.8906 9328	95	87.0456 3501
71	63.8346 7258	96	88.0367 8320
72	64.7804 1982	97	89.0298 9618
73	65.7279 4838	98	90.0249 7567
74	66.6772 7121	99	91.0220 2288
75	67.6284 0081	100	92.0210 3854

$$e = 92^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
100	92.0210 3854	125	117.6284 0081
101	93.0220 2288	126	118.6772 7121
102	94.0249 7567	127	119.7279 4838
103	95.0298 9618	128	120.7804 1982
104	96.0367 8320	129	121.8346 7258
105	97.0456 3501	130	122.8906 9328
106	98.0564 4945	131	123.9484 6810
107	99.0692 2384	132	125.0079 8277
108	100.0839 5503	133	126.0692 2262
109	101.1006 3939	134	127.1321 7254
110	102.1192 7279	135	128.1968 1699
111	103.1398 5065	136	129.2631 4002
112	104.1623 6788	137	130.3311 2527
113	105.1868 1893	138	131.4007 5597
114	106.2131 9777	139	132.4720 1493
115	107.2414 9788	140	133.5448 8458
116	108.2717 1228	141	134.6193 4693
117	109.3038 3353	142	135.6953 8361
118	110.3378 5369	143	136.7729 7586
119	111.3737 6437	144	137.8521 0453
120	112.4115 5671	145	138.9327 5010
121	113.4512 2138	146	140.0148 9268
122	114.4927 4860	147	141.0985 1200
123	115.5361 2813	148	142.1835 8741
124	116.5813 4925	149	143.2700 9795
125	117.6284 0081	150	144.3580 2224

$e = 92^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	144.3580 2224	175	171.9465 8364
151	145.4473 3861	176	173.0627 4838
152	146.5380 2502	177	174.1796 3784
153	147.6300 5909	178	175.2972 2319
154	148.7234 1811	179	176.4154 7540
155	149.8180 7905	180	177.5343 6531
156	150.9140 1855	181	178.6538 6358
157	152.0112 1294	182	179.7739 4072
158	153.1096 3824	183	180.8945 6710
159	154.2092 7016	184	182.0157 1297
160	155.3100 8412	185	183.1373 4844
161	156.4120 5525	186	184.2594 4348
162	157.5151 5839	187	185.3819 6799
163	158.6193 6809	188	186.5048 9171
164	159.7246 5865	189	187.6281 8433
165	160.8310 0409	190	188.7518 1543
166	161.9383 7816	191	189.8757 5450
167	163.0467 5438	192	190.9999 7096
168	164.1561 0600	193	192.1244 3416
169	165.2664 0605	194	193.2491 1339
170	166.3776 2730	195	194.3739 7790
171	167.4897 4232	196	195.4989 9686
172	168.6027 2344	197	196.6241 3945
173	169.7165 4279	198	197.7493 7476
174	170.8311 7229	199	198.8746 7192
175	171.9465 8364	200	200.0000 0000

$e = 93^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	22.3266 1058
1	0.8902 7020	26	23.2255 6327
2	1.7805 6748	27	24.1252 0052
3	2.6709 1889	28	25.0255 4708
4	3.5613 5151	29	25.9266 2754
5	4.4518 9235	30	26.8284 6631
6	5.3425 6843	31	27.7310 8761
7	6.2334 0672	32	28.6345 1546
8	7.1244 3416	33	29.5387 7370
9	8.0156 7763	34	30.4438 8594
10	8.9071 6397	35	31.3498 7560
11	9.7989 1995	36	32.2567 6587
12	10.6909 7227	37	33.1645 7973
13	11.5833 4758	38	34.0733 3992
14	12.4760 7243	39	34.9830 6896
15	13.3691 7328	40	35.8937 8912
16	14.2626 7652	41	36.8055 2242
17	15.1566 0841	42	37.7182 9064
18	16.0509 9514	43	38.6321 1532
19	16.9458 6275	44	39.5470 1770
20	17.8412 3719	45	40.4630 1879
21	18.7371 4427	46	41.3801 3931
22	19.6336 0967	47	42.2983 9972
23	20.5306 5895	48	43.2178 2017
24	21.4283 1750	49	44.1384 2056
25	22.3266 1058	50	45.0602 2046

$e = 93^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	45.0602 2046	75	68.5458 6700
51	45.9832 3919	76	69.5046 7146
52	46.9074 9572	77	70.4650 7854
53	47.8330 0876	78	71.4270 9801
54	48.7597 9667	79	72.3907 3925
55	49.6878 7752	80	73.3560 1123
56	50.6172 6906	81	74.3229 2251
57	51.5479 8871	82	75.2914 8125
58	52.4800 5356	83	76.2616 9523
59	53.4134 8037	84	77.2335 7178
60	54.3482 8558	85	78.2071 1785
61	55.2844 8526	86	79.1823 3996
62	56.2220 9516	87	80.1592 4422
63	57.1611 3067	88	81.1378 3634
64	58.1016 0683	89	82.1181 2159
65	59.0435 3833	90	83.1001 0485
66	59.9869 3951	91	84.0837 9055
67	60.9318 2431	92	85.0691 8272
68	61.8782 0635	93	86.0562 8497
69	62.8260 9884	94	87.0451 0047
70	63.7755 1466	95	88.0356 3199
71	64.7264 6627	96	89.0278 8187
72	65.6789 6579	97	90.0218 5201
73	66.6330 2492	98	91.0175 4391
74	67.5886 5501	99	92.0149 5862
75	68.5458 6700	100	93.0140 9679

$e = 93^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	93.0140 9679	125	118.5458 6700
101	94.0149 5862	126	119.5886 5501
102	95.0175 4391	127	120.6330 2492
103	96.0218 5201	128	121.6789 6579
104	97.0278 8187	129	122.7264 6627
105	98.0356 3199	130	123.7755 1466
106	99.0451 0047	131	124.8260 9884
107	100.0562 8497	132	125.8782 0635
108	101.0691 8272	133	126.9318 2431
109	102.0837 9055	134	127.9869 3951
110	103.1001 0485	135	129.0435 3833
111	104.1181 2159	136	130.1016 0683
112	105.1378 3634	137	131.1611 3067
113	106.1592 4422	138	132.2220 9516
114	107.1823 3996	139	133.2844 8526
115	108.2071 1785	140	134.3482 8558
116	109.2335 7178	141	135.4134 8037
117	110.2616 9523	142	136.4800 5356
118	111.2914 8125	143	137.5479 8871
119	112.3229 2251	144	138.6172 6906
120	113.3560 1123	145	139.6878 7752
121	114.3907 3925	146	140.7597 9667
122	115.4270 9801	147	141.8330 0876
123	116.4650 7854	148	142.9074 9572
124	117.5046 7146	149	143.9832 3919
125	118.5458 6700	150	145.0602 2046

$e = 93^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	145.0602 2046	175	172.3266 1058
151	146.1384 2056	176	173.4283 1750
152	147.2178 2017	177	174.5306 5895
153	148.2983 9972	178	175.6336 0967
154	149.3801 3931	179	176.7371 4427
155	150.4630 1879	180	177.8412 3719
156	151.5470 1770	181	178.9458 6275
157	152.6321 1532	182	180.0509 9514
158	153.7182 9064	183	181.1566 0841
159	154.8055 2242	184	182.2626 7652
160	155.8937 8912	185	183.3691 7328
161	156.9830 6896	186	184.4760 7243
162	158.0733 3992	187	185.5833 4758
163	159.1645 7973	188	186.6909 7227
164	160.2567 6587	189	187.7989 1995
165	161.3498 7560	190	188.9071 6397
166	162.4438 8594	191	190.0156 7763
167	163.5387 7370	192	191.1244 3416
168	164.6345 1546	193	192.2334 0672
169	165.7310 8761	194	193.3425 6843
170	166.8284 6631	195	194.4518 9235
171	167.9266 2754	196	195.5613 5151
172	169.0255 4708	197	196.6709 1889
173	170.1252 0052	198	197.7805 6748
174	171.2255 6327	199	198.8902 7020
175	172.3266 1058	200	200.0000 0000

$$e = 94^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	22.7072 9714
1	0.9058 9556	26	23.6206 3881
2	1.8118 1433	27	24.5345 6756
3	2.7177 7954	28	25.4491 0462
4	3.6238 1438	29	26.3642 7107
5	4.5299 4204	30	27.2800 8785
6	5.4361 8568	31	28.1965 7572
7	6.3425 6843	32	29.1137 5530
8	7.2491 1339	33	30.0316 4702
9	8.1558 4363	34	30.9502 7113
10	9.0627 8214	35	31.8696 4772
11	9.9699 5191	36	32.7897 9668
12	10.8773 7581	37	33.7107 3770
13	11.7850 7672	38	34.6324 9030
14	12.6930 7738	39	35.5550 7379
15	13.6014 0051	40	36.4785 0726
16	14.5100 6872	41	37.4028 0960
17	15.4191 0455	42	38.3279 9950
18	16.3285 3044	43	39.2540 9540
19	17.2383 6874	44	40.1811 1556
20	18.1486 4170	45	41.1090 7796
21	19.0593 7146	46	42.0380 0040
22	19.9705 8003	47	42.9679 0039
23	20.8822 8933	48	43.8987 9525
24	21.7945 2115	49	44.8307 0202
25	22.7072 9714	50	45.7636 3750

$$e = 94^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	45.7636 3750	75	69.4649 2565
51	46.6976 1824	76	70.4295 9629
52	47.6326 6053	77	71.3956 4134
53	48.5687 8039	78	72.3630 6918
54	49.5059 9359	79	73.3318 8785
55	50.4443 1562	80	74.3021 0505
56	51.3837 6170	81	75.2737 2811
57	52.3243 4676	82	76.2467 6405
58	53.2660 8547	83	77.2212 1950
59	54.2089 9221	84	78.1971 0079
60	55.1530 8105	85	79.1744 1386
61	56.0983 6580	86	80.1531 6430
62	57.0448 5995	87	81.1333 5736
63	57.9925 7671	88	82.1149 9793
64	58.9415 2898	89	83.0980 9053
65	59.8917 2935	90	84.0826 3934
66	60.8431 9011	91	85.0686 4818
67	61.7959 2323	92	86.0561 2048
68	62.7499 4038	93	87.0450 5935
69	63.7052 5291	94	88.0354 6751
70	64.6618 7183	95	89.0273 4733
71	65.6198 0786	96	90.0207 0081
72	66.5790 7137	97	91.0155 2959
73	67.5396 7242	98	92.0118 3496
74	68.5016 2071	99	93.0096 1781
75	69.4649 2565	100	94.0088 7870

$e = 94^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	94.0088 7870	125	119.4649 2565
101	95.0096 1781	126	120.5016 2071
102	96.0118 3496	127	121.5396 7242
103	97.0155 2959	128	122.5790 7137
104	98.0207 0081	129	123.6198 0786
105	99.0273 4733	130	124.6618 7183
106	100.0354 6751	131	125.7052 5291
107	101.0450 5935	132	126.7499 4038
108	102.0561 2048	133	127.7959 2323
109	103.0686 4818	134	128.8431 9011
110	104.0826 3934	135	129.8917 2935
111	105.0980 9053	136	130.9415 2898
112	106.1149 9793	137	131.9925 7671
113	107.1333 5736	138	133.0448 5995
114	108.1531 6430	139	134.0983 6580
115	109.1744 1386	140	135.1530 8105
116	110.1971 0079	141	136.2089 9221
117	111.2212 1950	142	137.2660 8547
118	112.2467 6405	143	138.3243 4676
119	113.2737 2811	144	139.3837 6170
120	114.3021 0505	145	140.4443 1562
121	115.3318 8785	146	141.5059 9359
122	116.3630 6918	147	142.5687 8039
123	117.3956 4134	148	143.6326 6053
124	118.4295 9629	149	144.6976 1824
125	119.4649 2565	150	145.7636 3750

$$e = 94^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
150	145.7636 3750	175	172.7072 9714
151	146.8307 0202	176	173.7945 2115
152	147.8987 9525	177	174.8822 8933
153	148.9679 0039	178	175.9705 8003
154	150.0380 0040	179	177.0593 7146
155	151.1090 7796	180	178.1486 4170
156	152.1811 1556	181	179.2383 6874
157	153.2540 9540	182	180.3285 3044
158	154.3279 9950	183	181.4191 0455
159	155.4028 0960	184	182.5100 6872
160	156.4785 0726	185	183.6014 0051
161	157.5550 7379	186	184.6930 7738
162	158.6324 9030	187	185.7850 7672
163	159.7107 3770	188	186.8773 7581
164	160.7897 9668	189	187.9699 5191
165	161.8696 4772	190	189.0627 8214
166	162.9502 7113	191	190.1558 4363
167	164.0316 4702	192	191.2491 1339
168	165.1137 5530	193	192.3425 6843
169	166.1965 7572	194	193.4361 8568
170	167.2800 8785	195	194.5299 4204
171	168.3642 7107	196	195.6238 1438
172	169.4491 0462	197	196.7177 7954
173	170.5345 6756	198	197.8118 1433
174	171.6206 3881	199	198.9058 9556
175	172.7072 9714	200	200.0000 0000

$e = 95^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	23.0885 4938
1	0.9215 4413	26	24.0163 0142
2	1.8431 0762	27	24.9445 4291
3	2.7647 0982	28	25.8732 9155
4	3.6863 7007	29	26.8025 6492
5	4.6081 0771	30	27.7323 8048
6	5.5299 4204	31	28.6627 5554
7	6.4518 9235	32	29.5937 0728
8	7.3739 7790	33	30.5252 5274
9	8.2962 1791	34	31.4574 0880
10	9.2186 3157	35	32.3901 9221
11	10.1412 3801	36	33.3236 1955
12	11.0640 5635	37	34.2577 0725
13	11.9871 0561	38	35.1924 7156
14	12.9104 0479	39	36.1279 2860
15	13.8339 7282	40	37.0640 9427
16	14.7578 2854	41	38.0009 8433
17	15.6819 9075	42	38.9386 1436
18	16.6064 7816	43	39.8769 9974
19	17.5313 0940	44	40.8161 5567
20	18.4565 0302	45	41.7560 9716
21	19.3820 7747	46	42.6968 3905
22	20.3080 5112	47	43.6383 9593
23	21.2344 4223	48	44.5807 8224
24	22.1612 6897	49	45.5240 1220
25	23.0885 4938	50	46.4680 9980

$e = 95^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	46.4680 9980	75	70.3853 5000
51	47.4130 5884	76	71.3558 9554
52	48.3589 0291	77	72.3275 8694
53	49.3056 4537	78	73.3004 3119
54	50.2532 9935	79	74.2744 3498
55	51.2018 7777	80	75.2496 0474
56	52.1513 9333	81	76.2259 4659
57	53.1018 5847	82	77.2034 6636
58	54.0532 8541	83	78.1821 6961
59	55.0056 8615	84	79.1620 6158
60	55.9590 7243	85	80.1431 4725
61	56.9134 5575	86	81.1254 3126
62	57.8688 4736	87	82.1089 1801
63	58.8252 5827	88	83.0936 1156
64	59.7826 9923	89	84.0795 1568
65	60.7411 8075	90	85.0666 3386
66	61.7007 1308	91	86.0549 6928
67	62.6613 0618	92	87.0445 2481
68	63.6229 6979	93	88.0353 0302
69	64.5857 1337	94	89.0273 0620
70	65.5495 4611	95	90.0205 3632
71	66.5144 7694	96	91.0149 9505
72	67.4805 1449	97	92.0106 8375
73	68.4476 6717	98	93.0076 0350
74	69.4159 4306	99	94.0057 5504
75	70.3853 5000	100	95.0051 3883

$e = 95^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	95.0051 3883	125	120.3853 5000
101	96.0057 5504	126	121.4159 4306
102	97.0076 0350	127	122.4476 6717
103	98.0106 8375	128	123.4805 1449
104	99.0149 9505	129	124.5144 7694
105	100.0205 3632	130	125.5495 4611
106	101.0273 0620	131	126.5857 1337
107	102.0353 0302	132	127.6229 6979
108	103.0445 2481	133	128.6613 0618
109	104.0549 6928	134	129.7007 1308
110	105.0666 3386	135	130.7411 8075
111	106.0795 1568	136	131.7826 9923
112	107.0936 1156	137	132.8252 5827
113	108.1089 1801	138	133.8688 4736
114	109.1254 3126	139	134.9134 5575
115	110.1431 4725	140	135.9590 7243
116	111.1620 6158	141	137.0056 8615
117	112.1821 6961	142	138.0532 8541
118	113.2034 6636	143	139.1018 5847
119	114.2259 4659	144	140.1513 9333
120	115.2496 0474	145	141.2018 7777
121	116.2744 3498	146	142.2532 9935
122	117.3004 3119	147	143.3056 4537
123	118.3275 8694	148	144.3589 0291
124	119.3558 9554	149	145.4130 5884
125	120.3853 5000	150	146.4680 9980

$e = 95^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	146.4680 9980	175	173.0885 4938
151	147.5240 1220	176	174.1612 6897
152	148.5807 8224	177	175.2344 4223
153	149.6383 9593	178	176.3080 5112
154	150.6968 3905	179	177.3820 7747
155	151.7560 9716	180	178.4565 0302
156	152.8161 5567	181	179.5313 0940
157	153.8769 9974	182	180.6064 7816
158	154.9386 1436	183	181.6819 9075
159	156.0009 8433	184	182.7578 2854
160	157.0640 9427	185	183.8339 7282
161	158.1279 2860	186	184.9104 0479
162	159.1924 7156	187	185.9871 0561
163	160.2577 0725	188	187.0640 5635
164	161.3236 1955	189	188.1412 3801
165	162.3901 9221	190	189.2186 3157
166	163.4574 0880	191	190.2962 1791
167	164.5252 5274	192	191.3739 7790
168	165.5937 0728	193	192.4518 9235
169	166.6627 5554	194	193.5299 4204
170	167.7323 8048	195	194.6081 0771
171	168.8025 6492	196	195.6863 7007
172	169.8732 9155	197	196.7647 0982
173	170.9445 4291	198	197.8431 0762
174	172.0163 0142	199	198.9215 4413
175	173.0885 4938	200	200.0000 0000

$e = 96^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	23.4702 7325
1	0.9372 1206	26	24.4124 5348
2	1.8744 3962	27	25.3550 2541
3	2.8116 9815	28	26.2980 0322
4	3.7490 0315	29	27.2414 0097
5	4.6863 7007	30	28.1852 3262
6	5.6238 1438	31	29.1295 1204
7	6.5613 5151	32	30.0742 5298
8	7.4989 9686	33	31.0194 6906
9	8.4367 6584	34	31.9651 7382
10	9.3746 7378	35	32.9113 8063
11	10.3127 3601	36	33.8581 0278
12	11.2509 6781	37	34.8053 5341
13	12.1893 8443	38	35.7531 4554
14	13.1280 0105	39	36.7014 9205
15	14.0668 3283	40	37.6504 0567
16	15.0058 9485	41	38.5998 9903
17	15.9452 0215	42	39.5499 8457
18	16.8847 6971	43	40.5006 7462
19	17.8246 1243	44	41.4519 8134
20	18.7647 4516	45	42.4039 1675
21	19.7051 8268	46	43.3564 9270
22	20.6459 3967	47	44.3097 2089
23	21.5870 3075	48	45.2636 1288
24	22.5284 7046	49	46.2181 8002
25	23.4702 7325	50	47.1734 3354

$e = 96^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
50	47.1734 3354	75	71.3069 1294
51	48.1293 8447	76	72.2833 4065
52	49.0860 4368	77	73.2606 8538
53	50.0434 2187	78	74.2389 5273
54	51.0015 2955	79	75.2181 4807
55	51.9603 7705	80	76.1982 7652
56	52.9199 7454	81	77.1793 4299
57	53.8803 3198	82	78.1613 5215
58	54.8414 5914	83	79.1443 0844
59	55.8033 6564	84	80.1282 1606
60	56.7660 6085	85	81.1130 7899
61	57.7295 5399	86	82.0989 0096
62	58.6938 5406	87	83.0856 8546
63	59.6589 6988	88	84.0734 3576
64	60.6249 1004	89	85.0621 5489
65	61.5916 8296	90	86.0518 4562
66	62.5592 9683	91	87.0425 1049
67	63.5277 5964	92	88.0341 5182
68	64.4970 7917	93	89.0267 7166
69	65.4672 6300	94	90.0203 7184
70	66.4383 1848	95	91.0149 5393
71	67.4102 5274	96	92.0105 1927
72	68.3830 7273	97	93.0070 6895
73	69.3567 8514	98	94.0046 0384
74	70.3313 9645	99	95.0031 2452
75	71.3069 1294	100	96.0026 3138

$e = 96^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	96.0026 3138	125	121.3069 1294
101	97.0031 2452	126	122.3313 9645
102	98.0046 0384	127	123.3567 8514
103	99.0070 6895	128	124.3830 7273
104	100.0105 1927	129	125.4102 5274
105	101.0149 5393	130	126.4383 1848
106	102.0203 7184	131	127.4672 6300
107	103.0267 7166	132	128.4970 7917
108	104.0341 5182	133	129.5277 5964
109	105.0425 1049	134	130.5592 9683
110	106.0518 4562	135	131.5916 8296
111	107.0621 5489	136	132.6249 1004
112	108.0734 3576	137	133.6589 6988
113	109.0856 8546	138	134.6938 5406
114	110.0989 0096	139	135.7295 5399
115	111.1130 7899	140	136.7660 6085
116	112.1282 1606	141	137.8033 6564
117	113.1443 0844	142	138.8414 5914
118	114.1613 5215	143	139.8803 3198
119	115.1793 4299	144	140.9199 7454
120	116.1982 7652	145	141.9603 7705
121	117.2181 4807	146	143.0015 2955
122	118.2389 5273	147	144.0434 2187
123	119.2606 8538	148	145.0860 4368
124	120.2833 4065	149	146.1293 8447
125	121.3069 1294	150	147.1734 3354

$e = 96^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	147.1734 3354	175	173.4702 7325
151	148.2181 8002	176	174.5284 7046
152	149.2636 1288	177	175.5870 3075
153	150.3097 2089	178	176.6459 3967
154	151.3564 9270	179	177.7051 8268
155	152.4039 1675	180	178.7647 4516
156	153.4519 8134	181	179.8246 1243
157	154.5006 7462	182	180.8847 6971
158	155.5499 8457	183	181.9452 0215
159	156.5998 9903	184	183.0058 9485
160	157.6504 0567	185	184.0668 3283
161	158.7014 9205	186	185.1280 0105
162	159.7531 4554	187	186.1893 8443
163	160.8053 5341	188	187.2509 6781
164	161.8581 0278	189	188.3127 3601
165	162.9113 8063	190	189.3746 7378
166	163.9651 7382	191	190.4367 6584
167	165.0194 6906	192	191.4989 9686
168	166.0742 5298	193	192.5613 5151
169	167.1295 1204	194	193.6238 1438
170	168.1852 3262	195	194.6863 7007
171	169.2414 0097	196	195.7490 0315
172	170.2980 0322	197	196.8116 9815
173	171.3550 2541	198	197.8744 3962
174	172.4124 5348	199	198.9372 1206
175	173.4702 7325	200	200.0000 0000

$$e = 97^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	23.8523 7456
1	0.9528 9549	26	24.8089 9724
2	1.9058 0260	27	25.7659 1379
3	2.8587 3295	28	26.7231 3483
4	3.8116 9815	29	27.6806 7091
5	4.7647 0982	30	28.6385 3252
6	5.7177 7954	31	29.5967 3006
7	6.6709 1889	32	30.5552 7382
8	7.6241 3945	33	31.5141 7406
9	8.5774 5273	34	32.4734 4089
10	9.5308 7028	35	33.4330 8439
11	10.4844 0358	36	34.3931 1449
12	11.4380 6409	37	35.3535 4108
13	12.3918 6325	38	36.3143 7390
14	13.3458 1246	39	37.2756 2262
15	14.2999 2308	40	38.2372 9681
16	15.2542 0644	41	39.1994 0591
17	16.2086 7380	42	40.1619 5929
18	17.1633 3642	43	41.1249 6618
19	18.1182 0547	44	42.0884 3570
20	19.0732 9209	45	43.0523 7688
21	20.0286 0736	46	44.0167 9860
22	20.9841 6231	47	44.9817 0964
23	21.9399 6790	48	45.9471 1867
24	22.8960 3504	49	46.9130 3422
25	23.8523 7456	50	47.8794 6469

$$e = 97^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	47.8794 6469	75	72.2293 8710
51	48.8464 1838	76	73.2117 0279
52	49.8139 0342	77	74.1947 0644
53	50.7819 2786	78	75.1784 0227
54	51.7504 9957	79	76.1627 9427
55	52.7196 2631	80	77.1478 8632
56	53.6893 1570	81	78.1336 8208
57	54.6595 7522	82	79.1201 8507
58	55.6304 1220	83	80.1073 9860
59	56.6018 3384	84	81.0953 2584
60	57.5738 4719	85	82.0839 6977
61	58.5464 5916	86	83.0733 3318
62	59.5196 7651	87	84.0634 1871
63	60.4935 0584	88	85.0542 2879
64	61.4679 5360	89	86.0457 6570
65	62.4430 2611	90	87.0380 3152
66	63.4187 2952	91	88.0310 2816
67	64.3950 6982	92	89.0247 5735
68	65.3720 5284	93	90.0192 2064
69	66.3496 8427	94	91.0144 1939
70	67.3279 6963	95	92.0103 5478
71	68.3069 1427	96	93.0070 2783
72	69.2865 2339	97	94.0044 3935
73	70.2668 0202	98	95.0025 8998
74	71.2477 5502	99	96.0014 8017
75	72.2293 8710	100	97.0011 1021

$e = 97^{\mathrm{c}}$

θ	mean anomaly		θ	mean anomaly	
100	97.0011	1021	125	122.2293	8710
101	98.0014	8017	126	123.2477	5502
102	99.0025	8998	127	124.2668	0202
103	100.0044	3935	128	125.2865	2339
104	101.0070	2783	129	126.3069	1427
105	102.0103	5478	130	127.3279	6963
106	103.0144	1939	131	128.3496	8427
107	104.0192	2064	132	129.3720	5284
108	105.0247	5735	133	130.3950	6982
109	106.0310	2816	134	131.4187	2952
110	107.0380	3152	135	132.4430	2611
111	108.0457	6570	136	133.4679	5360
112	109.0542	2879	137	134.4935	0584
113	110.0634	1871	138	135.5196	7651
114	111.0733	3318	139	136.5464	5916
115	112.0839	6977	140	137.5738	4719
116	113.0953	2584	141	138.6018	3384
117	114.1073	9860	142	139.6304	1220
118	115.1201	8507	143	140.6595	7522
119	116.1336	8208	144	141.6893	1570
120	117.1478	8632	145	142.7196	2631
121	118.1627	9427	146	143.7504	9957
122	119.1784	0227	147	144.7819	2786
123	120.1947	0644	148	145.8139	0342
124	121.2117	0279	149	146.8464	1838
125	122.2293	8710	150	147.8794	6469

$e = 97^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	147.8794 6469	175	173.8523 7456
151	148.9130 3422	176	174.8960 3504
152	149.9471 1867	177	175.9399 6790
153	150.9817 0964	178	176.9841 6231
154	152.0167 9860	179	178.0286 0736
155	153.0523 7688	180	179.0732 9209
156	154.0884 3570	181	180.1182 0547
157	155.1249 6618	182	181.1633 3642
158	156.1619 5929	183	182.2086 7380
159	157.1994 0591	184	183.2542 0644
160	158.2372 9681	185	184.2999 2308
161	159.2756 2262	186	185.3458 1246
162	160.3143 7390	187	186.3918 6325
163	161.3535 4108	188	187.4380 6409
164	162.3931 1449	189	188.4844 0358
165	163.4330 8439	190	189.5308 7028
166	164.4734 4089	191	190.5774 5273
167	165.5141 7406	192	191.6241 3945
168	166.5552 7382	193	192.6709 1889
169	167.5967 3006	194	193.7177 7954
170	168.6385 3252	195	194.7647 0982
171	169.6806 7091	196	195.8116 9815
172	170.7231 3483	197	196.8587 3295
173	171.7659 1379	198	197.9058 0260
174	172.8089 9724	199	198.9528 9549
175	173.8523 7456	200	200.0000 0000

$e = 98^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	24.2347 5903
1	0.9685 9053	26	25.2058 3487
2	1.9371 8882	27	26.1771 0666
3	2.9058 0260	28	27.1485 8149
4	3.8744 3962	29	28.1202 6639
5	4.8431 0762	30	29.0921 6835
6	5.8118 1433	31	30.0642 9431
7	6.7805 6748	32	31.0366 5113
8	7.7493 7476	33	32.0092 4565
9	8.7182 4389	34	32.9820 8463
10	9.6871 8253	35	33.9551 7476
11	10.6561 9836	36	34.9285 2268
12	11.6252 9901	37	35.9021 3498
13	12.5944 9212	38	36.8760 1815
14	13.5637 8528	39	37.8501 7866
15	14.5331 8607	40	38.8246 2286
16	15.5027 0204	41	39.7993 5707
17	16.4723 4071	42	40.7743 8752
18	17.4421 0957	43	41.7497 2037
19	18.4120 1608	44	42.7253 6171
20	19.3820 6767	45	43.7013 1755
21	20.3522 7172	46	44.6775 9382
22	21.3226 3559	47	45.6541 9637
23	22.2931 6660	48	46.6311 3098
24	23.2638 7200	49	47.6084 0334
25	24.2347 5903	50	48.5860 1905

$$e = 98^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	48.5860 1905	75	73.1525 4486
51	49.5639 8365	76	74.1407 5290
52	50.5423 0255	77	75.1294 1967
53	51.5209 8113	78	76.1185 4798
54	52.5000 2463	79	77.1081 4052
55	53.4794 3822	80	78.0981 9984
56	54.4592 2699	81	79.0887 2840
57	55.4393 9592	82	80.0797 2854
58	56.4199 4991	83	81.0712 0247
59	57.4008 9376	84	82.0631 5231
60	58.3822 3215	85	83.0555 8004
61	59.3639 6971	86	84.0484 8752
62	60.3461 1094	87	85.0418 7651
63	61.3286 6023	88	86.0357 4864
64	62.3116 2191	89	87.0301 0542
65	63.2950 0016	90	88.0249 4824
66	64.2787 9910	91	89.0202 7837
67	65.2630 2273	92	90.0160 9697
68	66.2476 7492	93	91.0124 0507
69	67.2327 5947	94	92.0092 0358
70	68.2182 8007	95	93.0064 9329
71	69.2042 4027	96	94.0042 7486
72	70.1906 4356	97	95.0025 4886
73	71.1774 9327	98	96.0013 1569
74	72.1647 9266	99	97.0005 7567
75	73.1525 4486	100	98.0003 2897

$e = 98^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	98.0003 2897	125	123.1525 4486
101	99.0005 7567	126	124.1647 9266
102	100.0013 1569	127	125.1774 9327
103	101.0025 4886	128	126.1906 4356
104	102.0042 7486	129	127.2042 4027
105	103.0064 9329	130	128.2182 8007
106	104.0092 0358	131	129.2327 5947
107	105.0124 0507	132	130.2476 7492
108	106.0160 9697	133	131.2630 2273
109	107.0202 7837	134	132.2787 9910
110	108.0249 4824	135	133.2950 0016
111	109.0301 0542	136	134.3116 2191
112	110.0357 4864	137	135.3286 6023
113	111.0418 7651	138	136.3461 1094
114	112.0484 8752	139	137.3639 6971
115	113.0555 8004	140	138.3822 3215
116	114.0631 5231	141	139.4008 9376
117	115.0712 0247	142	140.4199 4991
118	116.0797 2854	143	141.4393 9592
119	117.0887 2840	144	142.4592 2699
120	118.0981 9984	145	143.4794 3822
121	119.1081 4052	146	144.5000 2463
122	120.1185 4798	147	145.5209 8113
123	121.1294 1967	148	146.5423 0255
124	122.1407 5290	149	147.5639 8365
125	123.1525 4486	150	148.5860 1905

$e = 98^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	148.5860 1905	175	174.2347 5903
151	149.6084 0334	176	175.2638 7200
152	150.6311 3098	177	176.2931 6660
153	151.6541 9637	178	177.3226 3559
154	152.6775 9382	179	178.3522 7172
155	153.7013 1755	180	179.3820 6767
156	154.7253 6171	181	180.4120 1608
157	155.7497 2037	182	181.4421 0957
158	156.7743 8752	183	182.4723 4071
159	157.7993 5707	184	183.5027 0204
160	158.8246 2286	185	184.5331 8607
161	159.8501 7866	186	185.5637 8528
162	160.8760 1815	187	186.5944 9212
163	161.9021 3498	188	187.6252 9901
164	162.9285 2268	189	188.6561 9836
165	163.9551 7476	190	189.6871 8253
166	164.9820 8463	191	190.7182 4389
167	166.0092 4565	192	191.7493 7476
168	167.0366 5113	193	192.7805 6748
169	168.0642 9431	194	193.8118 1433
170	169.0921 6835	195	194.8431 0762
171	170.1202 6639	196	195.8744 3962
172	171.1485 8149	197	196.9058 0260
173	172.1771 0666	198	197.9371 8882
174	173.2058 3487	199	198.9685 9053
175	174.2347 5903	200	200.0000 0000

$e = 99^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
0	0.0000 0000	25	24.6173 3230
1	0.9842 9333	26	25.6028 6844
2	1.9685 9053	27	26.5885 0256
3	2.9528 9549	28	27.5742 3822
4	3.9372 1206	29	28.5600 7892
5	4.9215 4413	30	29.5460 2817
6	5.9058 9556	31	30.5320 8943
7	6.8902 7020	32	31.5182 6614
8	7.8746 7192	33	32.5045 6171
9	8.8591 0456	34	33.4909 7952
10	9.8435 7197	35	34.4775 2292
11	10.8280 7797	36	35.4641 9524
12	11.8126 2639	37	36.4509 9976
13	12.7972 2104	38	37.4379 3974
14	13.7818 6573	39	38.4250 1839
15	14.7665 6424	40	39.4122 3892
16	15.7513 2034	41	40.3996 0447
17	16.7361 3780	42	41.3871 1815
18	17.7210 2037	43	42.3747 8306
19	18.7059 7177	44	43.3626 0222
20	19.6909 9571	45	44.3505 7866
21	20.6760 9590	46	45.3387 1533
22	21.6612 7601	47	46.3270 1516
23	22.6465 3969	48	47.3154 8104
24	23.6318 9059	49	48.3041 1582
25	24.6173 3230	50	49.2929 2230

$$e = 99^{\mathrm{c}}$$

θ	mean anomaly	θ	mean anomaly
50	49.2929 2230	75	74.0761 5846
51	50.2819 0323	76	75.0702 6175
52	51.2710 6135	77	76.0645 9444
53	52.2603 9932	78	77.0591 5792
54	53.2499 1978	79	78.0539 5355
55	54.2396 2530	80	79.0489 8259
56	55.2295 1844	81	80.0442 4629
57	56.2196 0169	82	81.0397 4580
58	57.2098 7748	83	82.0354 8225
59	58.2003 4823	84	83.0314 5667
60	59.1910 1627	85	84.0276 7007
61	60.1818 8393	86	85.0241 2337
62	61.1729 5344	87	86.0208 1746
63	62.1642 2701	88	87.0177 5314
64	63.1557 0680	89	88.0149 3118
65	64.1473 9490	90	89.0123 5228
66	65.1392 9337	91	90.0100 1705
67	66.1314 0421	92	91.0079 2610
68	67.1237 2936	93	92.0060 7992
69	68.1162 7071	94	93.0044 7898
70	69.1090 3012	95	94.0031 2366
71	70.1020 0935	96	95.0020 1431
72	71.0952 1016	97	96.0011 5120
73	72.0886 3420	98	97.0005 3454
74	73.0822 8311	99	98.0001 6449
75	74.0761 5846	100	99.0000 4112

$e = 99^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
100	99.0000 4112	125	124.0761 5846
101	100.0001 6449	126	125.0822 8311
102	101.0005 3454	127	126.0886 3420
103	102.0011 5120	128	127.0952 1016
104	103.0020 1431	129	128.1020 0935
105	104.0031 2366	130	129.1090 3012
106	105.0044 7898	131	130.1162 7071
107	106.0060 7992	132	131.1237 2936
108	107.0079 2610	133	132.1314 0421
109	108.0100 1705	134	133.1392 9337
110	109.0123 5228	135	134.1473 9490
111	110.0149 3118	136	135.1557 0680
112	111.0177 5314	137	136.1642 2701
113	112.0208 1746	138	137.1729 5344
114	113.0241 2337	139	138.1818 8393
115	114.0276 7007	140	139.1910 1627
116	115.0314 5667	141	140.2003 4823
117	116.0354 8225	142	141.2098 7748
118	117.0397 4580	143	142.2196 0169
119	118.0442 4629	144	143.2295 1844
120	119.0489 8259	145	144.2396 2530
121	120.0539 5355	146	145.2499 1978
122	121.0591 5792	147	146.2603 9932
123	122.0645 9444	148	147.2710 6135
124	123.0702 6175	149	148.2819 0323
125	124.0761 5846	150	149.2929 2230

$e = 99^{\mathrm{c}}$

θ	mean anomaly	θ	mean anomaly
150	149.2929 2230	175	174.6173 3230
151	150.3041 1582	176	175.6318 9059
152	151.3154 8104	177	176.6465 3969
153	152.3270 1516	178	177.6612 7601
154	153.3387 1533	179	178.6760 9590
155	154.3505 7866	180	179.6909 9571
156	155.3626 0222	181	180.7059 7177
157	156.3747 8306	182	181.7210 2037
158	157.3871 1815	183	182.7361 3780
159	158.3996 0447	184	183.7513 2034
160	159.4122 3892	185	184.7665 6424
161	160.4250 1839	186	185.7818 6573
162	161.4379 3974	187	186.7972 2104
163	162.4509 9976	188	187.8126 2639
164	163.4641 9524	189	188.8280 7797
165	164.4775 2292	190	189.8435 7197
166	165.4909 7952	191	190.8591 0456
167	166.5045 6171	192	191.8746 7192
168	167.5182 6614	193	192.8902 7020
169	168.5320 8943	194	193.9058 9556
170	169.5460 2817	195	194.9215 4413
171	170.5600 7892	196	195.9372 1206
172	171.5742 3822	197	196.9528 9549
173	172.5885 0256	198	197.9685 9053
174	173.6028 6844	199	198.9842 9333
175	174.6173 3230	200	200.0000 0000