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SMITHSONIAN INSTITUTION
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Research in Space Science

SPECIAL REPORT

Number 119

SATELLITE ORBITAL DATA
No. E-2

March 15, 1963

CAMBRIDGE 38, MASSACHUSETTS

SAO Special Report No. 119

SATELLITE ORBITAL DATA

No. E-2

Material prepared under the supervision of I. G. Izsak,
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Smithsonian Institution
Astrophysical Observatory

Cambridge 38, Massachusetts

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[1] The precisely reduced observations on which the orbital elements in this issue are based appear in catalogues P-3 through P-9.

ORBITAL INFORMATION[1]

The orbital elements have been derived by the indicated staff members of the Satellite Tracking Program, Smithsonian Astrophysical Observatory, employing the SAO Differential Orbit Improvement Program (DOI).

As opposed to osculating elements, the elements presented here are mean elements in the sense that the effects of the short-period perturbations due to the earth's oblateness have been eliminated.

SAO mean elements have been derived from observations covering several days, and are given in the form of a table. The successive sets of elements are essentially independent of each other. They are dependent, however, in the sense that high-order coefficients in the secular and the long-periodic terms are generally considered as known and as constant for periods of several weeks or months, as dictated by convenience.

The times of epoch in the mean elements are reckoned in Julian Days, but for the sake of convenience the number 2400000.5 has been subtracted to provide an abbreviated notation which we call "Modified Julian Days," or "MJD."

The units of the orbital elements are degrees for angular quantities, megameters (Mm = 10^6 meters) for linear quantities, and revolutions for the mean anomaly M and its derivatives.

The tabulated values of the SAO mean elements give the values of arguments of perigee ω; right ascension of the ascending node Ω; inclination i; eccentricity e; and mean anomaly M as functions of time $t = T - T_o$ (where T_o is the reference epoch) expressed in days. The two-digit number placed at the right of each value represents the standard error for that element and refers to the last digits given.

The same tabulation also gives the mean (anomalistic) motion n; the orbital acceleration $n'/2$ or n' (dn/dt), and the semimajor axis a or the geocentric distance of perigee q (in megameters). Of the last three columns, the one headed N indicates the number of observations used for the computation of a set of elements; the one headed D, the number of days used; and the one headed σ, the standard error of the representation of the observations relative to their assumed accuracy.

SAO smoothed elements have been derived from observations covering about two weeks. They are given as functions of time and generally include both secular and periodic terms. The general expression for any element E is

$$E = E_o + E_1 t + E_2 t^2 + \ldots + \quad A_i \sin(B_i + C_i t) ,$$

where $t = T - T_o$ is again expressed in days. The presence of a standard error associated with a particular coefficient indicates that this quantity was determined by the process of differential orbit improvement; the absence of a standard error means that the quantity was taken from some other source.

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[1] This work was supported by grant NsG 87-60 from the National Aeronautics and Space Administration.

In our computer program, the inclination and the argument of perigee are referred to the true equator of date; the right ascension of the ascending node, however, is reckoned from the mean equinox of 1950.0 along the corresponding mean equator to the intersection with the moving true equator of date, and then along the true equator of date. To transform from right ascension of the node as determined by the DOI to right ascension of the node referred to the mean equinox of date, one uses

$$\Omega^\circ = \Omega^\circ(\mathrm{DOI}) + 3\overset{\circ}{.}508 \times 10^{-5}(\mathrm{MJD} - 33281) ,$$

where MJD stands for the Modified Julian Day of the date.

The mean (anomalistic) motion n can be obtained from the smoothed elements by differentiating the expression for M, and the orbital acceleration n' can be obtained by twice differentiating the same expression for M.

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
36934.0											
36936.0											
36938.0											
36940.0	39.6843 74	128.9432 25	32.8739 07	.165417 10	.835639 13	11.461657 07	.853E-5 31	6.933682	14	8	3.34
36942.0	50.2212 40	121.9220 08	32.8735 02	.165653 14	.759068 07	11.461734 05	.680E-5 33	6.931690	13	8	2.13
36944.0	60.7285 36	114.9010 07	32.8733 02	.165681 32	.682578 10	11.461811 09	.767E-5 17	6.931427	11	8	1.74
36946.0											
36948.0											
36950.0											
36952.0											
36954.0											
36956.0											
36958.0	134.4021 33	65.7555 14	32.8770 09	.165445 12	.148557 07	11.461974 03	.993E-5 20	6.933322	18	8	5.85
36960.0	144.9288 16	58.7346 06	32.8777 04	.165362 06	.072550 04	11.462008 02	.11055E-4 78	6.933998	23	8	3.29
36962.0	155.4702 17	51.7153 07	32.8793 07	.165301 07	.996593 04	11.462044 02	.1223E-4 20	6.934491	25	8	4.48
36964.0	166.0142 19	44.6961 06	32.8811 06	.165231 08	.920730 04	11.462088 04	.1331E-4 24	6.935056	33	8	4.11
36966.0	176.5501 34	37.6751 12	32.8819 08	.165196 17	.845017 12	11.462166 05	.1662E-4 22	6.935314	42	8	4.92
36968.0	187.079 16	30.6593 24	32.8847 11	.165248 61	.769478 69	11.462174 21	.1820E-4 29	6.934880	34	8	3.78
36970.0	197.636 19	23.6391 29	32.8848 10	.165120 66	.693958 81	11.462318 37	.1701E-4 24	6.935887	35	8	3.96
36972.0	208.237 27	16.6190 30	32.8856 08	.164924 70	.61842 11	11.462281 45	.1267E-4 26	6.937529	32	8	4.10
36974.0	218.779 19	9.6012 20	32.8864 05	.164898 49	.543206 79	11.462329 25	.797E-5 28	6.937725	24	8	3.06
36976.0	229.3733 19	2.5839 12	32.8874 03	.164727 09	.467848 05	11.462396 02	.814E-5 15	6.939115	32	8	2.80
36978.0	239.9454 12	355.5641 09	32.8882 02	.164685 07	.392668 02	11.462426 02	.800E-5 15	6.939457	32	8	2.58
36980.0	250.5191 10	348.5459 08	32.8887 02	.164657 05	.317546 02	11.462453 02	.745E-5 14	6.939676	37	8	1.58
36982.0	261.0988 10	341.5277 08	32.8885 01	.164626 06	.242458 03	11.462477 00	.861E-5 13	6.939921	47	8	2.27
36984.0	271.6708 17	334.5082 08	32.8884 01	.164644 06	.167479 06	11.462501 03	.794E-5 10	6.939762	49	8	2.55
36986.0	282.2561 08	327.4884 06	32.8881 01	.164649 05	.092510 01	11.462537 02	.719E-5 14	6.939708	50	8	2.48
36988.0	292.8362 06	320.4697 06	32.8876 01	.164657 04	.017614 01	11.462568 01	.6476E-5 75	6.939625	50	8	2.43
36990.0	303.4095 08	313.4511 06	32.8865 01	.164679 06	.942784 02	11.462593 01	.7861E-5 95	6.939432	48	8	3.16
36992.0	313.9862 08	306.4314 05	32.8855 01	.164697 05	.868007 02	11.462634 01	.8473E-5 57	6.939269	47	8	2.94

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
36994.0	324.5575 10	299.4130 06	32.8840 02	.164750 04	.793313 02	11.462673 01	.9495E-5 63	6.938811	46	8	3.28
36996.0	335.1290 09	292.3937 06	32.8828 02	.164810 05	.718699 02	11.462716 01	.9727E-5 52	6.938301	38	8	3.04
36998.0	345.6952 08	285.3737 05	32.8814 02	.164897 04	.644182 02	11.462760 01	.9087E-5 53	6.937554	35	8	2.58
37000.0	356.2582 10	278.3529 06	32.8799 02	.164976 06	.569746 02	11.462803 01	.8806E-5 73	6.936884	29	8	3.00
37002.0	6.8154 12	271.3320 06	32.8784 03	.165050 09	.495394 03	11.462843 02	.900E-5 17	6.936249	24	8	2.83
37004.0	17.3616 15	264.3113 08	32.8764 05	.165134 11	.421145 04	11.462895 02	.925E-5 16	6.935530	22	8	4.07
37006.0	27.9028 15	257.2900 10	32.8750 05	.165234 12	.346992 04	11.462931 02	.701E-5 19	6.934686	28	8	3.65
37008.0	38.4373 22	250.2704 15	32.8743 05	.165307 13	.272894 06	11.462965 04	.870E-5 27	6.934070	40	8	4.05
37010.0	48.9720 35	243.2463 18	32.8727 04	.165347 10	.198869 12	11.463011 05	.890E-5 21	6.933715	43	8	3.88
37012.0	59.5020 17	236.2230 12	32.8717 04	.165393 09	.124930 05	11.463051 02	.933E-5 20	6.933316	41	8	4.02
37014.0	70.0282 19	229.1996 10	32.8708 04	.165423 08	.051079 06	11.463080 03	.936E-5 23	6.933060	31	8	3.66
37016.0	80.5571 13	222.1768 09	32.8704 03	.165429 08	.977284 03	11.463124 02	.1005E-4 20	6.932988	25	8	3.74
37018.0	91.0872 09	215.1534 07	32.8707 03	.165428 06	.903569 03	11.463169 02	.1086E-4 18	6.932980	26	8	2.90
37020.0	101.6123 07	208.1291 07	32.8713 02	.165426 05	.829964 02	11.463225 01	.13702E-4 65	6.932978	26	8	2.14
37022.0	112.1351 19	201.1077 16	32.8720 04	.165355 10	.756451 05	11.463282 03	.1942E-4 24	6.933541	31	8	5.96
37024.0	122.6579 12	194.0857 08	32.8724 02	.165318 05	.683104 03	11.463345 02	.2948E-4 19	6.933825	46	8	3.29
37026.0	133.2033 12	187.0653 05	32.8728 02	.165258 04	.609925 04	11.463474 02	.3195E-4 11	6.934268	55	8	3.17
37028.0	143.7135 15	180.0455 07	32.8741 03	.165127 05	.537136 05	11.463562 02	.1564E-4 13	6.935319	66	8	3.51
37030.0	154.2628 16	173.0228 06	32.8753 02	.165069 05	.464338 06	11.463633 03	.1491E-4 16	6.935772	73	8	3.24
37032.0	164.8137 12	166.0010 05	32.8766 02	.164984 03	.391657 04	11.463687 02	.15926E-4 68	6.936462	65	8	2.70
37034.0	175.3733 20	158.9800 08	32.8776 02	.164886 05	.319076 06	11.463736 03	.1708E-4 10	6.937258	54	8	4.30
37036.0	185.9385 21	151.9596 10	32.8783 03	.164782 06	.246615 06	11.463801 03	.1702E-4 15	6.938094	55	8	5.18
37038.0	196.5066 18	144.9381 07	32.8792 02	.164692 06	.174289 06	11.463873 03	.1752E-4 12	6.938810	69	8	4.52
37040.0	207.0787 18	137.9157 07	32.8802 02	.164615 07	.102095 06	11.463944 02	.1859E-4 13	6.939425	96	8	4.60
37042.0	217.6474 21	130.8948 07	32.8812 02	.164562 07	.030061 08	11.463999 03	.18290E-4 90	6.939837	118	8	4.56
37044.0	228.2267 16	123.8747 06	32.8819 02	.164501 07	.958136 06	11.464079 03	.1741E-4 12	6.940315	129	8	4.66
37046.0	238.8090 20	116.8539 07	32.8825 02	.164464 06	.886348 07	11.464137 04	.1670E-4 13	6.940598	123	8	4.47
37048.0	249.3997 41	109.8319 09	32.8828 02	.164425 06	.814664 14	11.464194 06	.1781E-4 18	6.940904	88	8	4.24
37050.0	259.9760 29	102.8090 10	32.8830 02	.164408 07	.743183 10	11.464283 04	.1849E-4 15	6.941004	69	8	4.24
37052.0	270.5630 23	95.7877 09	32.8835 02	.164384 07	.671807 08	11.464365 05	.1787E-4 20	6.941168	50	8	3.83
37054.0	281.1425 15	88.7691 09	32.8841 03	.164373 06	.600595 06	11.464434 03	.1769E-4 17	6.941235	52	8	4.22

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37056.0	291.7165 20	81.7471 09	32.8841 03	.164410 08	.529563 08	11.464493 03	.1416E-4 21	6.940901	59	8	5.66
37058.0	302.2992 15	74.7279 05	32.8843 02	.164405 05	.458599 06	11.464547 03	.1234E-4 10	6.940920	57	8	3.68
37060.0	312.8811 27	67.7068 09	32.8837 03	.164444 06	.387744 09	11.464602 04	.1442E-4 20	6.940578	53	8	4.87
37062.0	323.4665 49	60.6865 14	32.8831 03	.164478 09	.316995 15	11.464667 06	.1660E-4 36	6.940269	35	8	4.50
37064.0	334.0442 35	53.6661 08	32.8829 03	.164557 06	.246428 11	11.464763 04	.2165E-4 18	6.939570	31	8	3.62
37066.0											
37068.0	355.1824 45	39.6228 10	32.8818 02	.164692 08	.105905 15	11.464980 06	.1609E-4 28	6.938366	42	8	4.25
37070.0	5.7373 31	32.6013 10	32.8807 02	.164761 06	.035939 10	11.465069 06	.1725E-4 19	6.937759	47	8	4.64
37072.0	16.2839 30	25.5797 09	32.8795 02	.164827 06	.966136 10	11.465136 06	.1829E-4 23	6.937178	41	8	3.75
37074.0	26.8264 23	18.5564 06	32.8783 02	.164914 03	.896492 07	11.465208 03	.15446E-4 84	6.936430	33	8	2.36
37076.0	37.3763 32	11.5359 09	32.8759 04	.164982 04	.826937 10	11.465279 04	.1531E-4 14	6.935836	30	8	3.40
37078.0	47.9098 37	4.5120 09	32.8747 05	.165057 03	.757557 11	11.465323 05	.1686E-4 19	6.935197	33	8	4.07
37080.0	58.4511 33	357.4884 08	32.8739 04	.165115 03	.688286 10	11.465399 05	.1688E-4 18	6.934680	38	8	3.76
37082.0	68.9750 43	350.4651 09	32.8730 05	.165148 04	.619199 13	11.465499 06	.1856E-4 16	6.934369	36	8	4.18
37084.0	79.5020 63	343.4404 08	32.8727 05	.165153 04	.550253 21	11.465567 10	.1962E-4 28	6.934294	31	8	4.55
37086.0	90.0172 75	336.4156 08	32.8730 06	.165153 04	.481505 25	11.465664 10	.2009E-4 21	6.934259	29	8	4.79
37088.0	100.5659 65	329.3922 09	32.8727 07	.165136 05	.412801 21	11.465704 08	.2137E-4 28	6.934382	27	8	5.02
37090.0	111.1087 70	322.3682 15	32.8730 08	.165109 04	.344294 23	11.465782 18	.2176E-4 41	6.934576	20	8	4.89
37092.0	121.6495 59	315.3423 10	32.8730 05	.165064 03	.275978 18	11.465885 10	.2608E-4 25	6.934911	21	8	3.90
37094.0	132.1873 38	308.3179 06	32.8748 03	.164999 02	.207883 12	11.466010 05	.2670E-4 30	6.935395	17	8	1.96
37096.0	142.7232 50	301.2921 06	32.8757 02	.164924 02	.140013 16	11.466107 06	.2389E-4 38	6.935979	16	8	1.66
37098.0	153.2721 34	294.2674 05	32.8765 02	.164845 02	.072304 11	11.466186 05	.2442E-4 17	6.936609	23	8	1.95
37100.0	163.8339 45	287.2436 12	32.8773 04	.164763 04	.004753 15	11.466285 06	.2345E-4 19	6.937246	34	8	4.07
37102.0	174.3819 29	280.2198 07	32.8786 03	.164672 03	.937440 09	11.466358 04	.2092E-4 17	6.937976	42	8	3.25
37104.0	184.9436 16	273.1966 04	32.8801 02	.164580 02	.870250 05	11.466441 02	.18402E-4 84	6.938708	51	8	2.27
37106.0	195.5157 17	266.1748 05	32.8811 02	.164513 03	.803178 05	11.466499 03	.1638E-4 11	6.939238	79	8	3.94
37108.0	206.0913 16	259.1520 05	32.8819 02	.164448 03	.736228 05	11.466550 03	.1465E-4 10	6.939756	78	8	3.71
37110.0	216.6720 16	252.1300 05	32.8824 02	.164401 04	.669378 05	11.466602 02	.14726E-4 92	6.940126	93	8	4.12
37112.0	227.2584 17	245.1078 06	32.8828 02	.164367 05	.602631 06	11.466656 02	.1546E-4 13	6.940390	85	8	4.52
37114.0	237.8379 22	238.0830 08	32.8827 03	.164312 07	.536043 08	11.466738 04	.1834E-4 16	6.940811	66	8	5.23

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37116.0	248.4165 11	231.0574 11	32.8830 03	.164252 09	.469614 11	11.466826 04	.1972E-4 22	6.941276	53	8	4.38
37118.0	258.9921 32	224.0313 10	32.8821 02	.164226 06	.403357 11	11.466886 04	.1847E-4 15	6.941437	35	8	2.71
37120.0	269.6107 37	217.0079 07	32.8818 02	.164260 07	.337074 14	11.466918 05	.1913E-4 23	6.941138	29	8	2.11
37122.0	280.2109 49	209.9831 07	32.8811 02	.164295 10	.271017 19	11.467072 15	.1798E-4 31	6.940783	22	8	1.39
37124.0	290.8169 43	202.9617 07	32.8809 01	.164392 14	.205068 18	11.467090 06	.1732E-4 11	6.939973	27	8	1.43
37126.0	301.366 12	195.9377 15	32.8813 02	.164316 41	.139503 51	11.467211 23	.1665E-4 12	6.940558	27	8	2.82
37128.0	311.9483 67	188.9115 11	32.8807 02	.164360 23	.073931 28	11.467269 12	.1841E-4 23	6.940165	31	8	2.49
37130.0	322.5168 35	181.8868 11	32.8798 02	.164385 07	.008549 13	11.467353 06	.2017E-4 15	6.939923	39	8	3.46
37132.0	333.0862 23	174.8613 07	32.8789 02	.164425 03	.943326 08	11.467414 04	.2074E-4 13	6.939566	40	8	2.83
37134.0	343.6648 19	167.8360 06	32.8780 02	.164494 02	.878231 06	11.467501 03	.2025E-4 11	6.938958	46	8	2.66
37136.0	354.2409 16	160.8101 05	32.8774 02	.164576 02	.813304 06	11.467583 02	.20811E-4 98	6.938247	60	8	2.94
37138.0	4.8093 20	153.7850 06	32.8766 02	.164659 03	.748564 07	11.467679 03	.1975E-4 11	6.937520	61	8	3.50
37140.0	15.3763 13	146.7607 04	32.8760 02	.164760 02	.683982 04	11.467752 02	.18495E-4 80	6.936647	72	8	2.78
37142.0	25.9352 14	139.7351 05	32.8752 02	.164854 03	.619573 04	11.467836 02	.17819E-4 86	6.935836	76	8	3.08
37144.0	36.4842 16	132.7087 06	32.8742 02	.164929 04	.555336 05	11.467919 02	.1854E-4 12	6.935181	63	8	3.60
37146.0	47.0328 14	125.6817 05	32.8732 02	.165002 04	.491247 05	11.468004 02	.1903E-4 13	6.934539	57	8	3.14
37148.0	57.5707 22	118.6539 08	32.8724 03	.165054 07	.427342 07	11.468088 04	.1604E-4 10	6.934073	41	8	3.91
37150.0	68.1051 13	111.6273 05	32.8722 02	.165092 05	.363569 04	11.468144 02	.1513E-4 11	6.933735	32	8	2.34
37152.0	78.6404 29	104.6008 09	32.8719 03	.165152 10	.299906 10	11.468201 05	.1484E-4 19	6.933211	30	8	3.87
37154.0	89.1724 53	97.5713 16	32.8721 04	.165202 14	.236381 17	11.468267 08	.1603E-4 32	6.932804	30	8	4.01
37156.0	99.677 11	90.5425 17	32.8725 05	.165165 14	.173078 40	11.468401 09	.2031E-4 24	6.933058	27	8	3.72
37158.0	110.321 61	83.5156 53	32.8722 13	.165105 43	.10939 23	11.468489 84	.2371E-4 45	6.933519	28	8	5.84
37160.0	120.837 43	76.4873 42	32.8734 14	.165123 21	.04639 16	11.468671 81	.3014E-4 37	6.933296	35	8	5.14
37162.0	131.294 34	69.4579 29	32.8750 13	.165029 15	.98386 13	11.468567 65	.4011E-4 35	6.934119	46	8	4.92
37164.0	141.855 17	62.4300 15	32.8759 09	.164956 09	.921250 62	11.468806 17	.4319E-4 23	6.934624	54	8	3.65
37166.0	152.4001 26	55.4021 06	32.8770 05	.164852 08	.859054 09	11.468955 04	.4252E-4 19	6.935432	58	8	3.88
37168.0											
37170.0											
37172.0	184.0975 17	34.3146 11	32.8812 05	.164610 09	.674132 04	11.469347 01	.2341E-4 15	6.937285	40	8	4.90
37174.0	194.6761 21	27.2871 16	32.8829 04	.164547 08	.612896 04	11.469425 02	.2266E-4 18	6.937777	28	8	4.70
37176.0											

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37178.0	215.8375 13	13.2317 10	32.8855 02	.164397 05	.490945 02	11.469587 01	.18175E-4 67	6.938954	30	8	3.38
37180.0	226.4241 15	6.2034 12	32.8862 03	.164342 07	.430179 03	11.469652 01	.1890E-4 20	6.939389	28	8	3.96
37182.0	237.0124 16	359.1757 13	32.8869 03	.164316 09	.369556 03	11.469728 02	.2130E-4 28	6.939571	25	8	3.31
37184.0	247.5953 12	352.1485 11	32.8875 03	.164276 10	.309128 03	11.469827 01	.2310E-4 17	6.939867	23	8	3.18
37186.0	258.2023 32	345.1217 12	32.8879 12	.164283 13	.248798 09	11.469953 06	.2432E-4 47	6.939754	18	8	3.16
37188.0	268.7726 14	338.0937 11	32.8880 03	.164271 10	.188799 03	11.470013 02	.3364E-4 22	6.939831	28	8	3.65
37190.0	279.3681 09	331.0669 08	32.8881 02	.164267 07	.128960 02	11.470147 09	.3385E-4 15	6.939811	34	8	3.40
37192.0	289.9626 10	324.0392 08	32.8876 02	.164267 06	.069397 02	11.470291 02	.3500E-4 13	6.939754	43	8	2.73
37194.0	300.5519 10	317.0113 09	32.8869 02	.164293 06	.010126 02	11.470438 08	.3675E-4 15	6.939475	56	8	3.03
37196.0	311.1407 38	309.9841 13	32.8861 02	.164339 10	.951147 16	11.470595 23	.3723E-4 14	6.939034	46	8	2.83
37198.0	321.7273 32	302.9550 12	32.8849 03	.164376 12	.892480 13	11.470740 10	.3667E-4 14	6.938664	50	8	2.86
37200.0	332.3051 16	295.9265 16	32.8833 04	.164443 08	.834131 03	11.470890 01	.3393E-4 14	6.938051	45	8	3.89
37202.0	342.8840 39	288.8988 16	32.8812 06	.164497 11	.776041 15	11.471038 15	.3240E-4 23	6.937542	28	8	3.32
37204.0	353.4665 12	281.8671 10	32.8803 05	.164580 06	.718198 02	11.471128 01	.2577E-4 15	6.936814	32	8	2.75
37206.0	4.0386 11	274.8355 06	32.8794 05	.164671 06	.660579 02	11.471230 01	.2274E-4 11	6.936018	29	8	2.86
37208.0	14.6079 19	267.8052 07	32.8772 08	.164775 13	.603141 03	11.471330 02	.2072E-4 33	6.935113	21	8	3.70
37210.0	25.1733 32	260.7716 11	32.8766 10	.164851 16	.545890 06	11.471417 02	.1962E-4 29	6.934444	18	8	4.14
37212.0											
37214.0											
37216.0											
37218.0											
37220.0	77.9001 11	225.6098 07	32.8719 02	.165150 05	.262560 02	11.471902 01	.22299E-4 50	6.931773	32	8	2.64
37222.0	88.4417 10	218.5750 06	32.8713 02	.165151 04	.206453 02	11.471991 01	.21762E-4 61	6.931725	39	8	2.24
37224.0	98.9801 20	211.5415 09	32.8716 03	.165140 06	.150524 03	11.472079 02	.2076E-4 13	6.931781	38	8	2.31
37226.0	109.5237 16	204.5080 06	32.8720 03	.165092 05	.094755 03	11.472154 01	.1853E-4 11	6.932146	38	8	3.51
37228.0	120.0656 16	197.4744 06	32.8726 03	.165042 04	.039139 03	11.472224 01	.1790E-4 25	6.932535	25	8	2.86
37230.0	130.6067 25	190.4410 08	32.8729 03	.164971 05	.983655 05	11.472265 03	.1319E-4 23	6.933113	17	8	3.85
37232.0	141.1568 23	183.4089 10	32.8732 03	.164897 05	.928237 04	11.472316 02	.1341E-4 13	6.933706	23	8	4.58
37234.0	151.7085 20	176.3754 07	32.8741 02	.164814 04	.872926 04	11.472352 02	.1080E-4 13	6.934381	29	8	3.31
37236.0	162.2750 13	169.3430 04	32.8751 02	.164731 03	.817669 03	11.472391 01	.10843E-4 54	6.935049	35	8	3.08
37238.0	172.8457 15	162.3109 05	32.8761 02	.164639 03	.762488 03	11.472427 01	.10692E-4 67	6.935799	39	8	3.46

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37240.0	183.4204 22	155.2784 07	32.8770 02	.164548 04	.707382 04	11.472469 02	.1076E-4 11	6.936539	32	8	3.48
37242.0	193.9986 20	148.2453 08	32.8779 02	.164437 05	.652360 04	11.472511 02	.1321E-4 11	6.937447	26	8	2.66
37244.0	204.5831 26	141.2136 12	32.8784 04	.164411 18	.597400 08	11.472549 04	.1423E-4 15	6.937642	25	8	3.33
37246.0	215.1769 45	134.1779 19	32.8809 09	.164306 04	.542565 14	11.472595 07	.1459E-4 20	6.938500	18	8	3.40
37248.0	225.7659 36	127.1463 09	32.8816 06	.164263 26	.487836 13	11.472658 04	.1484E-4 32	6.938829	15	8	3.99
37250.0											
37252.0											
37254.0	257.5666 46	106.0498 08	32.8843 03	.164191 09	.324581 11	11.472928 03	.1574E-4 27	6.939314	16	8	3.85
37256.0	268.1612 29	99.0162 09	32.8853 02	.164147 08	.270511 06	11.472989 03	.1153E-4 25	6.939660	24	8	3.42
37258.0	278.7593 15	91.9847 07	32.8857 02	.164142 05	.216534 03	11.473040 02	.1134E-4 15	6.939680	35	8	4.01
37260.0	289.3560 16	84.9529 09	32.8860 02	.164149 04	.162657 03	11.473083 01	.964E-5 11	6.939604	48	8	5.30
37262.0	299.9496 14	77.9207 07	32.8859 02	.164186 04	.108865 03	11.473122 01	.8529E-5 84	6.939278	54	8	4.48
37264.0	310.5424 15	70.8894 06	32.8856 02	.164230 04	.055144 03	11.473153 01	.7871E-5 76	6.938902	56	8	4.50
37266.0	321.1361 16	63.8577 06	32.8850 02	.164281 04	.001487 03	11.473186 01	.7386E-5 82	6.938465	50	8	4.22
37268.0	331.7307 26	56.8259 09	32.8843 03	.164351 05	.947889 05	11.473218 03	.794E-5 13	6.937874	35	8	4.78
37270.0	342.3186 42	49.7947 16	32.8835 04	.164426 08	.894370 10	11.473261 04	.1016E-4 27	6.937230	27	8	5.33
37272.0	352.8935 55	42.7633 33	32.8824 05	.164533 95	.840964 30	11.473326 13	.1212E-4 23	6.936316	16	8	4.61
37274.0											
37276.0											
37278.0											
37280.0	35.1580 71	14.6326 32	32.8778 14	.164705 95	.628571 14	11.473554 08	.1077E-4 13	6.934798	14	8	2.04
37282.0	45.7114 54	7.5960 09	32.8779 06	.164822 06	.575728 08	11.473596 04	.936E-5 16	6.933808	16	8	2.16
37284.0	56.2602 16	.5614 03	32.8777 03	.164943 03	.522963 04	11.473640 02	.9097E-5 93	6.932784	17	8	1.47
37286.0	66.8206 62	353.5284 10	32.8776 11	.164963 09	.470265 15	11.473688 06	.646E-5 23	6.932602	19	8	5.83
37288.0	77.3584 30	346.4931 07	32.8763 08	.164981 04	.417680 08	11.473705 05	.523E-5 19	6.932443	18	8	3.86
37290.0											
37292.0											
37294.0											
37296.0											
37298.0											

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37300.0											
37302.0											
37304.0	161.7585 44	290.2189 16	32.8783 03	.164628 04	.998028 10	11.473830 03	.545E-5 14	6.935324	18	8	5.25
37306.0	172.3237 51	283.1862 12	32.8787 03	.164534 03	.945700 12	11.473837 06	.536E-5 23	6.936105	17	8	5.47
37308.0	182.9020 45	276.1520 12	32.8799 03	.164447 03	.893388 10	11.473854 05	.527E-5 16	6.936821	22	8	5.94
37310.0	193.4788 38	269.1192 11	32.8810 02	.164368 03	.841121 09	11.473873 04	.342E-5 13	6.937466	23	8	4.77
37312.0	204.0684 32	262.0859 09	32.8814 02	.164299 03	.788851 07	11.473872 03	.279E-5 13	6.938039	27	8	4.83
37314.0	214.6618 33	255.0518 08	32.8817 02	.164241 03	.736595 07	11.473877 03	.305E-5 11	6.938524	33	8	5.45
37316.0	225.2610 20	248.0193 06	32.8816 02	.164191 02	.684347 04	11.473889 02	.2929E-5 64	6.938933	32	8	3.86
37318.0	235.8564 20	240.9847 06	32.8821 02	.164142 02	.632134 04	11.473899 02	.3017E-5 62	6.939336	30	8	3.55
37320.0	246.4487 25	233.9507 07	32.8823 02	.164105 02	.579950 06	11.473910 02	.2823E-5 73	6.939635	26	8	3.90
37322.0	257.0456 34	226.9163 10	32.8826 03	.164078 03	.527780 08	11.473920 03	.261E-5 15	6.939859	17	8	3.91
37324.0											
37326.0											
37328.0											
37330.0	299.4485 38	198.7824 07	32.8818 03	.164149 03	.319265 09	11.473957 04	.235E-5 13	6.939250	14	8	2.53
37332.0	310.0467 33	191.7472 06	32.8815 03	.164185 02	.267196 08	11.473964 04	.2711E-5 94	6.938948	15	8	2.87
37334.0	320.6501 45	184.7131 12	32.8814 03	.164228 03	.215136 10	11.473976 04	.367E-5 12	6.938584	25	8	5.83
37336.0	331.2434 28	177.6797 07	32.8806 02	.164275 06	.163126 02	11.474007 03	.4807E-5 86	6.938182	32	8	4.29
37338.0	341.8346 29	170.6450 13	32.8797 02	.164327 03	.111168 06	11.474041 03	.328E-5 13	6.937741	35	8	4.37
37340.0	352.4143 27	163.6124 08	32.8788 02	.164400 02	.059266 06	11.474055 03	.2780E-5 98	6.937130	44	8	4.88
37342.0	2.9923 32	156.5793 09	32.8781 02	.164485 02	.007392 07	11.474070 03	.1991E-5 97	6.936414	42	8	5.61
37344.0	13.5651 27	149.5468 08	32.8772 02	.164576 02	.955546 06	11.474081 02	.1859E-5 85	6.935658	41	8	4.76
37346.0	24.1321 28	142.5130 10	32.8766 02	.164666 02	.903732 06	11.474092 03	.2179E-5 89	6.934901	34	8	3.93
37348.0	34.6994 26	135.4764 13	32.8755 03	.164748 03	.851943 06	11.474118 02	.3214E-5 90	6.934211	33	8	4.96
37350.0	45.2561 31	128.4431 19	32.8739 04	.164824 05	.800200 07	11.474140 03	.294E-5 11	6.933570	30	8	5.31
37352.0	55.8057 54	121.4099 15	32.8724 03	.164886 10	.748498 10	11.474162 04	.1877E-5 66	6.933050	26	8	3.57
37354.0	66.386 17	114.3728 26	32.8724 06	.164867 34	.696768 30	11.474165 15	.1485E-5 81	6.933207	22	8	3.15
37356.0	76.919 12	107.3360 22	32.8727 07	.164921 23	.645133 22	11.474196 09	.1718E-5 57	6.932743	18	8	2.23
37358.0	87.428 21	100.3015 25	32.8726 10	.165006 36	.593554 38	11.474233 23	.210E-5 15	6.932022	13	8	2.60

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37360.0	98.0012 71	93.2637 10	32.8735 10	.164987 06	.541874 15	11.474177 05	.108E-5 40	6.932202	15	8	3.15
37362.0	108.5614 91	86.2264 08	32.8718 11	.165028 22	.490113 18	11.474195 05	.353E-5 82	6.931857	16	8	3.59
37364.0	119.108 11	79.1932 28	32.8767 22	.16507 11	.438642 13	11.474200 07	.297E-5 19	6.931491	19	8	3.20
37366.0	129.657 15	72.1555 43	32.8761 21	.16502 12	.387048 12	11.474205 06	.240E-5 10	6.931952	25	8	4.03
37368.0	140.207 20	65.1181 64	32.8757 22	.16489 16	.335455 15	11.474201 07	.110E-5 24	6.932981	24	8	5.02
37370.0	150.765 12	58.0852 23	32.8775 07	.164819 93	.283857 09	11.474204 04	.118E-5 13	6.933587	29	8	4.37
37372.0	161.3210 60	51.0521 16	32.8792 04	.164708 39	.232267 10	11.474204 05	.52E-6 15	6.934513	33	8	4.20
37374.0	171.8792 40	44.0164 18	32.8806 04	.164537 17	.180663 08	11.474197 07	.67E-6 18	6.935932	34	8	4.60
37376.0	182.4544 22	36.9826 09	32.8824 02	.164485 04	.129053 04	11.474187 02	.1231E-5 95	6.936372	39	8	2.94
37378.0	193.0366 24	29.9495 09	32.8839 02	.164417 13	.077430 05	11.474185 03	.1582E-5 89	6.936931	46	8	3.11
37380.0	203.6300 27	22.9135 09	32.8852 02	.164340 05	.025792 05	11.474183 04	.1643E-5 93	6.937574	41	8	2.85
37382.0	214.2146 24	15.8822 07	32.8862 02	.164261 04	.974179 05	11.474191 02	.1369E-5 96	6.938228	41	8	3.10
37384.0	224.8087 28	8.8500 08	32.8873 02	.164193 06	.922552 06	11.474197 02	.1759E-5 87	6.938792	31	8	3.57
37386.0	235.4004 33	1.8182 08	32.8877 02	.164146 08	.870947 08	11.474203 06	.198E-5 17	6.939182	22	8	3.74
37388.0	245.9975 44	354.7859 07	32.8881 02	.164119 12	.819347 10	11.474208 04	.215E-5 14	6.939397	18	8	3.05
37390.0	256.5959 50	347.7528 07	32.8886 03	.164116 13	.767766 12	11.474213 05	.283E-5 24	6.939422	17	8	2.93
37392.0	267.1979 28	340.7206 07	32.8880 02	.164117 08	.716191 07	11.474226 03	.244E-5 20	6.939406	19	8	3.17
37394.0	277.7969 52	333.6872 11	32.8876 05	.164036 77	.664617 36	11.47434 10	.205E-5 31	6.940036	15	8	3.97
37396.0	288.3975 20	326.6533 07	32.8875 03	.164132 05	.613107 04	11.474229 02	.161E-5 24	6.939286	22	8	3.18
37398.0	298.9981 13	319.6201 06	32.8871 03	.164148 03	.561578 03	11.474238 01	.1284E-5 91	6.939149	25	8	3.12
37400.0	309.5951 13	312.5867 05	32.8855 04	.164176 04	.510069 03	11.474253 02	.74E-6 15	6.938905	28	8	3.44
37402.0	320.1855 21	305.5520 05	32.8848 05	.164214 08	.458584 04	11.474261 02	.58E-6 17	6.938591	29	8	3.59
37404.0	330.7806 41	298.5168 09	32.8825 06	.164310 15	.407104 09	11.474270 04	.123E-5 26	6.937790	22	8	3.77
37406.0	341.397 18	291.4843 14	32.8808 08	.164322 14	.355521 87	11.474243 25	.57E-6 28	6.937702	17	8	3.75
37408.0	351.942 42	284.4530 59	32.8819 39	.16461 21	.30425 19	11.474285 35	.116E-5 53	6.935324	13	8	4.46
37410.0	2.537 20	277.4150 15	32.8787 06	.164568 98	.252741 93	11.474264 31	.150E-5 22	6.935651	21	8	2.47
37412.0	13.121 15	270.3803 13	32.8772 04	.164632 66	.201293 67	11.474277 39	.112E-5 20	6.935115	26	8	2.44
37414.0	23.704 12	263.3451 14	32.8761 03	.164650 43	.149843 51	11.474317 27	.143E-5 17	6.934944	29	8	2.45
37416.0	34.2418 16	256.3058 10	32.8748 03	.164808 10	.098605 05	11.474337 03	.152E-5 19	6.933624	28	8	2.46
37418.0	44.7947 15	249.2678 08	32.8738 03	.164860 07	.047293 03	11.474354 02	.72E-6 18	6.933190	23	8	2.81

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37420.0	55.3424 17	242.2367 10	32.8727 03	.164920 08	.995999 02	11.474353 01	.54E-6 17	6.932688	28	8	3.69
37422.0	65.8867 14	235.1976 08	32.8722 03	.164982 08	.944718 02	11.474368 01	.197E-5 13	6.932174	33	8	3.92
37424.0	76.4229 15	228.1659 10	32.8717 02	.165004 07	.893466 02	11.474381 01	.231E-5 13	6.931982	41	8	3.03
37426.0	86.9660 13	221.1289 08	32.8712 02	.165005 08	.842222 02	11.474378 01	.1134E-5 88	6.931975	47	8	3.55
37428.0	97.5108 12	214.0943 07	32.8711 02	.164995 09	.790982 02	11.474379 01	.690E-6 80	6.932060	49	8	3.66
37430.0	108.0569 08	207.0585 06	32.8716 02	.164971 06	.739744 01	11.474382 01	.1072E-5 90	6.932257	58	8	3.37
37432.0	118.6034 07	200.0230 06	32.8720 01	.164914 04	.688510 01	11.474386 01	.1335E-5 55	6.932730	63	8	3.45
37434.0	129.1532 09	192.9864 07	32.8723 02	.164860 04	.637284 02	11.474388 01	.1553E-5 71	6.933172	75	8	4.18
37436.0	139.7074 07	185.9501 07	32.8731 02	.164790 04	.586057 02	11.474386 01	.1338E-5 65	6.933756	83	8	4.67
37438.0	150.2667 09	178.9142 06	32.8738 02	.164714 04	.534828 02	11.474382 01	.1151E-5 60	6.934392	85	8	4.49
37440.0	160.8333 09	171.8785 05	32.8751 02	.164629 04	.483588 02	11.474383 01	.2122E-5 64	6.935092	95	8	4.46
37442.0	171.4027 14	164.8443 07	32.8763 02	.164544 07	.432355 03	11.474387 01	.266E-5 11	6.935800	72	8	4.41
37444.0	181.9723 27	157.8104 12	32.8775 02	.164433 17	.381136 05	11.474394 02	.314E-5 13	6.936717	54	8	3.91
37446.0	192.5468 77	150.7725 44	32.8788 02	.164360 70	.329951 15	11.474408 06	.322E-5 29	6.937321	30	8	3.76
37448.0	203.165 16	143.7402 40	32.8794 06	.16444 20	.278696 36	11.474398 18	.302E-5 58	6.936638	12	8	4.66
37450.0	213.7425 35	136.7013 17	32.8813 02	.164199 28	.227491 14	11.474404 05	.44E-6 20	6.938659	39	8	3.05
37452.0	224.3310 32	129.6709 10	32.8823 02	.164143 18	.176290 15	11.474391 05	.66E-6 16	6.939125	62	8	2.87
37454.0	234.9289 09	122.6382 06	32.8832 01	.164093 05	.125071 03	11.474390 01	.431E-6 80	6.939540	82	8	2.91
37456.0	245.5297 07	115.6055 04	32.8838 01	.164059 03	.073849 01	11.474388 01	.618E-6 83	6.939822	86	8	2.83
37458.0	256.1336 08	108.5712 05	32.8844 02	.164047 04	.022629 01	11.474392 01	.797E-6 65	6.939927	77	8	3.64
37460.0	266.7349 05	101.5373 05	32.8853 02	.164034 04	.971420 01	11.474395 00	.307E-6 59	6.940028	65	8	3.58
37462.0	277.3352 07	94.5042 05	32.8854 01	.164029 04	.920213 01	11.474398 00	.76E-7 51	6.940073	52	8	2.96
37464.0	287.9324 05	87.4711 04	32.8856 01	.164037 02	.869013 01	11.474403 00	.458E-6 37	6.940001	47	8	1.81
37466.0	298.5295 07	80.4385 06	32.8851 01	.164072 04	.817818 01	11.474406 01	.970E-6 99	6.939714	42	8	2.38
37468.0	309.1222 08	73.4075 06	32.8846 01	.164099 04	.766636 01	11.474413 01	.1754E-5 68	6.939481	34	8	2.34
37470.0	319.7161 15	66.3747 11	32.8842 03	.164139 07	.715467 03	11.474427 01	.306E-5 11	6.939147	38	8	4.59
37472.0	330.3056 15	59.3421 10	32.8835 03	.164191 07	.664333 03	11.474444 01	.392E-5 14	6.938709	29	8	3.33
37474.0	340.8940 58	52.3086 24	32.8825 04	.164245 17	.613234 10	11.474455 04	.253E-5 13	6.938251	23	8	4.96
37476.0	351.4891 32	45.2737 16	32.8817 05	.164320 10	.562151 06	11.474469 02	.153E-5 21	6.937628	15	8	3.98
37478.0											
37480.0											

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37482.0	23.168 22	24.1698 06	32.8812 20	.164498 34	.409286 85	11.474565 28	.95E-6 47	6.936081	13	8	1.92
37484.0	33.786 32	17.1341 12	32.8767 05	.164610 21	.35812 12	11.474564 52	.172E-5 25	6.935152	24	8	2.35
37486.0	44.3184 21	10.1013 05	32.8755 03	.164704 07	.307270 06	11.474542 03	.312E-5 21	6.934374	41	8	2.00
37488.0	54.8706 13	3.0674 05	32.8747 03	.164760 04	.256372 03	11.474560 02	.272E-5 12	6.933905	56	8	2.12
37490.0	65.4223 11	356.0312 04	32.8736 03	.164794 03	.205500 03	11.474570 02	.2902E-5 69	6.933615	58	8	2.28
37492.0	75.9722 15	348.9947 06	32.8728 03	.164815 04	.154656 05	11.474587 02	.332E-5 13	6.933433	51	8	2.52
37494.0	86.5133 25	341.9586 11	32.8731 03	.164820 07	.103866 09	11.474618 04	.597E-5 20	6.933411	54	8	3.81
37496.0	97.0610 21	334.9230 08	32.8730 03	.164794 06	.053108 08	11.474638 03	.704E-5 19	6.933624	56	8	3.74
37498.0	107.6027 24	327.8885 11	32.8735 03	.164777 06	.002425 08	11.474673 04	.723E-5 21	6.933749	69	8	3.93
37500.0	118.1509 19	320.8532 07	32.8739 02	.164727 04	.951784 06	11.474696 03	.690E-5 17	6.934156	72	8	3.68
37502.0	128.7030 18	313.8188 06	32.8748 02	.164668 03	.901188 06	11.474706 03	.5736E-5 97	6.934638	81	8	3.56
37504.0	139.2601 21	306.7850 06	32.8758 02	.164598 03	.850621 07	11.474718 03	.555E-5 11	6.935215	70	8	3.29
37506.0	149.8221 17	299.7506 05	32.8766 02	.164520 02	.800087 06	11.474744 02	.6183E-5 92	6.935851	65	8	3.02
37508.0	160.3871 22	292.7167 06	32.8774 02	.164433 03	.749596 07	11.474767 03	.559E-5 13	6.936567	53	8	3.36
37510.0	170.9578 20	285.6820 05	32.8778 02	.164348 02	.699138 07	11.474781 04	.319E-5 11	6.937270	57	8	2.56
37512.0	181.5310 18	278.6485 04	32.8787 01	.164257 02	.648699 07	11.474781 02	.2891E-5 89	6.938027	63	8	2.21
37514.0	192.1105 47	271.6143 08	32.8794 03	.164184 04	.598272 17	11.474767 05	.263E-5 13	6.938634	75	8	4.07
37516.0	202.7079 26	264.5814 05	32.8804 02	.164104 02	.547807 09	11.474782 03	.252E-5 12	6.939294	107	8	3.75
37518.0	213.3029 20	257.5481 05	32.8811 02	.164040 02	.497376 07	11.474796 04	.280E-5 14	6.939818	107	8	3.96
37520.0	223.8953 18	250.5139 05	32.8813 02	.163988 03	.446981 07	11.474813 03	.469E-5 12	6.940239	124	8	4.20
37522.0	234.4891 20	243.4796 05	32.8815 02	.163943 03	.396622 07	11.474829 03	.5683E-5 98	6.940612	144	8	4.00
37524.0	245.1370 17	236.4467 04	32.8819 01	.163917 02	.346321 06	11.474825 03	.6287E-5 75	6.940827	141	8	3.26
37526.0	255.6910 18	229.4125 04	32.8822 01	.163878 03	.295996 07	11.474850 04	.6507E-5 79	6.941139	167	8	3.34
37528.0	266.2963 14	222.3788 04	32.8824 01	.163850 02	.245746 05	11.474886 02	.6955E-5 83	6.941358	174	8	3.34
37530.0	276.9009 10	215.3452 03	32.8824 01	.163842 02	.195554 04	11.474922 02	.7012E-5 88	6.941416	167	8	3.18
37532.0	287.5016 11	208.3115 04	32.8821 02	.163852 02	.145431 04	11.474954 02	.684E-5 10	6.941312	135	8	3.11
37534.0	298.1057 19	201.2771 05	32.8817 02	.163867 03	.095351 07	11.474970 02	.4891E-5 88	6.941181	102	8	3.27
37536.0	308.7079 27	194.2432 05	32.8814 02	.163902 03	.045314 09	11.474988 03	.3879E-5 97	6.940883	79	8	3.37
37538.0	319.3054 32	187.2094 07	32.8813 03	.163942 04	.995318 11	11.474998 04	.366E-5 13	6.940550	52	8	3.66
37540.0	329.8985 34	180.1754 07	32.8805 03	.163998 04	.945361 11	11.475027 05	.441E-5 12	6.940071	57	8	3.90
37542.0	340.4928 25	173.1419 05	32.8795 01	.164054 02	.895431 08	11.475069 04	.5484E-5 83	6.939596	75	8	2.88

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37544.0	351.0777 17	166.1082 04	32.8784 01	.164131 01	.845576 05	11.475085 02	.4852E-5 74	6.938947	98	8	2.35
37546.0	1.6606 14	159.0739 03	32.8773 01	.164218 01	.795766 05	11.475107 02	.4986E-5 52	6.938217	121	8	2.35
37548.0	12.2393 12	152.0397 03	32.8762 01	.164306 01	.746005 04	11.475136 02	.5705E-5 51	6.937474	115	8	2.11
37550.0	22.8145 13	145.0058 04	32.8752 01	.164391 01	.696299 04	11.475166 02	.6808E-5 64	6.936752	110	8	2.64
37552.0	33.3810 19	137.9712 05	32.8738 02	.164478 02	.646669 06	11.475202 03	.8093E-5 99	6.936022	114	8	3.82
37554.0	43.9438 25	130.9361 06	32.8723 03	.164555 02	.597118 09	11.475241 03	.966E-5 12	6.935365	96	8	3.97
37556.0	54.5048 24	123.9003 06	32.8712 02	.164617 02	.547652 08	11.475297 04	.10336E-4 97	6.934829	101	8	3.91
37558.0	65.0579 26	116.8634 06	32.8706 02	.164666 03	.498297 09	11.475346 04	.1014E-4 11	6.934400	100	8	3.82
37560.0	75.6094 27	109.8269 06	32.8703 02	.164710 03	.449028 08	11.475391 04	.886E-5 11	6.934013	78	8	2.94
37562.0	86.1505 33	102.7899 05	32.8703 02	.164719 04	.399859 10	11.475431 04	.770E-5 13	6.933927	74	8	2.89
37564.0	96.6886 41	95.7531 06	32.8706 02	.164721 05	.350762 13	11.475465 06	.646E-5 17	6.933894	50	8	2.75
37566.0	107.2426 38	88.7140 07	32.8700 04	.164700 04	.301670 12	11.475473 05	.641E-5 20	6.934069	35	8	2.85
37568.0	117.8021 47	81.6746 12	32.8711 04	.164642 06	.252618 15	11.475482 07	.452E-5 43	6.934542	19	8	2.33
37570.0	128.3533 53	74.6407 14	32.8728 06	.164610 07	.203621 18	11.475510 07	.642E-5 33	6.934799	21	8	3.33
37572.0	138.9153 38	67.6040 09	32.8749 04	.164531 04	.154647 13	11.475559 05	.973E-5 20	6.935431	37	8	3.46
37574.0	149.4671 39	60.5678 11	32.8764 03	.164460 05	.105798 14	11.475579 05	.1039E-4 27	6.936020	83	8	4.14
37576.0	160.0333 22	53.5317 07	32.8777 02	.164371 03	.056988 08	11.475616 03	.1019E-4 13	6.936741	117	8	4.18
37578.0	170.6021 16	46.4964 05	32.8794 02	.164286 03	.008251 05	11.475643 02	.10718E-4 97	6.937438	138	8	4.22
37580.0	181.1793 12	39.4621 04	32.8814 04	.164204 02	.959573 04	11.475678 02	.11183E-4 74	6.938102	169	8	3.88
37582.0	191.7630 10	32.4279 04	32.8830 01	.164128 02	.910967 03	11.475713 02	.11498E-4 65	6.938721	157	8	3.35
37584.0	202.3528 08	25.3940 03	32.8844 01	.164057 02	.862435 03	11.475750 02	.12686E-4 61	6.939291	133	8	2.38
37586.0	212.9485 08	18.3603 03	32.8855 01	.163996 02	.813986 02	11.475797 01	.12239E-4 46	6.939780	131	8	2.57
37588.0	223.5452 11	11.3264 05	32.8863 01	.163938 03	.765635 03	11.475838 02	.10153E-4 88	6.940249	97	8	3.11
37590.0	234.1447 06	4.2926 03	32.8869 01	.163886 02	.717351 02	11.475876 01	.8417E-5 41	6.940661	77	8	1.80
37592.0	244.7417 10	357.2581 04	32.8876 01	.163859 03	.669144 03	11.475911 01	.8510E-5 59	6.940874	80	8	2.11
37594.0	255.3442 16	350.2235 07	32.8883 02	.163853 04	.620986 05	11.475949 02	.879E-5 12	6.940905	66	8	2.58
37596.0	265.9368 23	343.1882 07	32.8883 02	.163843 07	.572932 08	11.475987 03	.7882E-5 99	6.940974	60	8	2.01
37598.0	276.5524 22	336.1546 11	32.8883 03	.163873 08	.524857 09	11.475994 03	.800E-5 17	6.940719	48	8	2.45
37600.0	287.153 10	329.1217 24	32.8876 09	.163904 17	.476898 41	11.475998 38	.980E-5 35	6.940462	28	8	1.89
37602.0	297.7618 39	322.0898 28	32.8859 12	.163910 15	.428990 15	11.476088 06	.1118E-4 32	6.940378	24	8	3.37

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37604.0	308.3703 30	315.0514 13	32.8871 07	.163947 11	.381205 10	11.476127 03	.850E-5 17	6.940054	38	8	3.68
37606.0	318.9675 25	308.0167 08	32.8862 04	.163978 08	.333504 06	11.476167 03	.860E-5 19	6.939780	49	8	2.78
37608.0	329.5627 14	300.9809 04	32.8857 04	.164061 05	.285870 04	11.476205 02	.903E-5 12	6.939073	66	8	3.11
37610.0	340.1534 13	293.9453 05	32.9453 05	.164143 05	.238319 04	11.476252 02	.10621E-4 96	6.938376	74	8	3.82
37612.0	350.7407 11	286.9101 06	32.8826 04	.164243 04	.190863 03	11.476294 01	.10704E-4 82	6.937530	62	8	3.44
37614.0	1.3246 13	279.8748 08	32.8813 04	.164328 06	.143504 03	11.476341 02	.10148E-4 87	6.936807	59	8	4.12
37616.0	11.9055 11	272.8378 08	32.8788 03	.164417 05	.096237 03	11.476392 01	.999E-5 12	6.936045	53	8	3.52
37618.0	22.4800 14	265.7999 11	32.8766 03	.164491 06	.049069 03	11.476434 01	.8870E-5 79	6.935411	50	8	4.08
37620.0	33.0459 13	258.7621 11	32.8751 02	.164578 06	.001990 03	11.476475 01	.7732E-5 66	6.934676	43	8	3.56
37622.0	43.6068 14	251.7250 13	32.8741 02	.164675 07	.954977 03	11.476513 01	.6972E-5 89	6.933854	36	8	3.74
37624.0	54.1614 12	244.6878 12	32.8733 02	.164745 06	.908036 02	11.476542 01	.6138E-5 55	6.933262	32	8	2.93
37626.0	64.7157 10	237.6464 10	32.8714 02	.164806 06	.861151 02	11.476572 01	.568E-5 10	6.932744	34	8	3.12
37628.0	75.2624 11	230.6077 12	32.8698 02	.164805 08	.814327 02	11.476600 01	.585E-5 14	6.932737	40	8	3.62
37630.0	85.8062 09	223.5716 08	32.8697 02	.164839 05	.767551 02	11.476623 01	.5145E-5 87	6.932445	55	8	3.86
37632.0	96.3535 08	216.5333 06	32.8695 02	.164855 06	.720812 01	11.476639 01	.4687E-5 87	6.932274	69	8	4.04
37634.0	106.9002 09	209.4956 07	32.8698 02	.164847 08	.674110 02	11.476663 01	.694E-5 12	6.932337	69	8	4.62
37636.0	117.4500 10	202.4579 06	32.8702 02	.164823 08	.627461 02	11.476691 01	.905E-5 16	6.932526	74	8	3.77
37638.0	128.0063 10	195.4181 06	32.8707 02	.164746 07	.580877 02	11.476722 01	.8429E-5 76	6.933148	86	8	4.49
37640.0	138.5564 10	188.3794 06	32.8710 02	.164676 07	.534384 02	11.476750 01	.618E-5 12	6.933719	86	8	3.58
37642.0	149.1193 10	181.3395 06	32.8719 02	.164584 05	.487899 02	11.476763 02	.513E-5 12	6.934476	81	8	3.36
37644.0	159.6905 08	174.3005 05	32.8736 01	.164503 04	.441425 02	11.476768 01	.4364E-5 88	6.935148	101	8	3.65
37646.0	170.2671 09	167.2612 05	32.8752 01	.164414 04	.394974 02	11.476772 01	.3833E-5 74	6.935888	94	8	3.65
37648.0	180.8512 07	160.2237 04	32.8766 01	.164324 03	.348527 02	11.476779 01	.3405E-5 68	6.936629	104	8	3.28
37650.0	191.4396 06	153.1852 04	32.8779 01	.164246 03	.302096 02	11.476790 01	.3862E-5 52	6.937270	105	8	3.29
37652.0	202.0320 07	146.1468 04	32.8792 01	.164169 03	.255687 02	11.476802 01	.3938E-5 65	6.937905	90	8	3.29
37654.0	212.6284 08	139.1093 06	32.8807 01	.164102 04	.209296 02	11.476813 01	.3924E-5 74	6.938458	90	8	4.02
37656.0	223.2245 09	132.0721 07	32.8823 02	.164047 04	.162934 02	11.476825 01	.5692E-5 68	6.938911	73	8	4.43
37658.0	233.8265 07	125.0342 05	32.8839 01	.163999 03	.116603 02	11.476843 01	.6665E-5 69	6.939299	75	8	3.09
37660.0	244.4304 05	117.9985 04	32.8847 01	.163978 03	.070312 01	11.476870 00	.7274E-5 37	6.939463	70	8	2.35
37662.0	255.0351 04	110.9628 04	32.8854 01	.163963 03	.024080 01	11.476897 00	.7672E-5 57	6.939583	67	8	2.00
37664.0	265.6409 05	103.9262 04	32.8857 01	.163949 03	.977909 01	11.476929 00	.7149E-5 52	6.939686	70	8	2.41

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37030.0	17.092 18	263.9203 21	32.9166 06	.183741 71	.645680 82	11.088916 11	.645E-5 22	6.932620	23	8	2.30
37032.0	26.984 14	257.3373 13	32.9151 03	.183745 63	.823450 63	11.088941 06	.657E-5 11	6.932578	24	8	2.05
37034.0	36.858 13	250.7541 13	32.9140 03	.183757 42	.001332 55	11.088945 08	.572E-5 18	6.932472	18	8	1.53
37036.0	46.735 11	244.1720 07	32.9132 02	.183784 35	.179240 46	11.089011 06	.8313E-5 92	6.932217	17	8	1.01
37038.0	56.5836 35	237.5871 12	32.9124 02	.183918 18	.357344 17	11.089021 05	.1011E-4 22	6.931075	18	8	2.18
37040.0	66.420 15	231.0113 67	32.9108 06	.183893 40	.535494 59	11.089009 42	.165E-4 16	6.931292	10	8	3.77
37042.0	76.3151 09	224.4238 07	32.9107 02	.183915 05	.713601 01	11.089125 01	.1268E-4 14	6.931051	13	8	1.54
37044.0	86.1745 11	217.8401 09	32.9102 03	.183929 07	.891921 02	11.089171 01	.936E-5 33	6.930921	21	8	2.68
37046.0	96.0348 18	211.2566 19	32.9108 05	.183915 10	.070307 03	11.089221 05	.1019E-4 59	6.931012	16	8	3.08
37048.0	105.8976 15	204.6705 14	32.9119 04	.183887 08	.248778 03	11.089261 02	.1154E-4 44	6.931236	17	8	3.07
37050.0	115.7553 24	198.0940 09	32.9104 03	.183783 06	.427347 07	11.089354 08	.933E-5 21	6.932079	16	8	1.71
37052.0	125.6365 95	191.5113 39	32.9102 17	.183756 16	.605997 49	11.089362 07	.105E-4 20	6.932573	9	8	4.37
37054.0	135.4609 56	184.9293 13	32.9109 03	.183703 07	.784802 17	11.089371 08	.1375E-4 67	6.932751	14	8	3.13
37056.0	145.3510 29	178.3455 12	32.9122 03	.183629 08	.963586 08	11.089397 04	.872E-5 40	6.933367	18	8	4.05
37058.0	155.2399 21	171.7619 16	32.9136 03	.183564 10	.142435 05	11.089444 02	.316E-5 34	6.933901	25	8	5.01
37060.0	165.1258 19	165.1792 12	32.9147 03	.183497 11	.321335 05	11.089460 02	.419E-5 13	6.934466	32	8	5.18
37062.0	175.0135 12	158.5958 08	32.9148 02	.183325 14	.500243 04	11.089478 01	.743E-5 13	6.935922	32	8	3.14
37064.0	184.9048 12	152.0145 08	32.9159 02	.183262 11	.679231 04	11.089510 01	.776E-5 10	6.936441	37	8	3.43
37066.0	194.7965 15	145.4338 09	32.9164 02	.183215 12	.858294 05	11.089544 03	.744E-5 13	6.936825	29	8	3.09
37068.0	204.6900 08	138.8518 05	32.9176 02	.183159 07	.037421 03	11.089575 01	.6749E-5 96	6.937289	38	8	2.37
37070.0	214.5914 14	132.2713 08	32.9190 03	.183094 12	.216582 05	11.089595 02	.644E-5 14	6.937829	55	8	4.74
37072.0	224.4984 18	125.6908 10	32.9200 03	.182997 15	.395776 08	11.089607 04	.532E-5 23	6.938654	63	8	4.93
37074.0	234.3995 13	119.1075 10	32.9209 03	.183341 11	.575080 06	11.089638 01	.440E-5 16	6.938540	73	8	4.93
37076.0	244.3083 15	112.5281 10	32.9215 03	.182952 10	.754370 06	11.089662 03	.409E-5 18	6.939008	70	8	4.33
37078.0	254.2103 22	105.9476 09	32.9219 03	.182921 09	.933726 10	11.089689 04	.436E-5 16	6.939259	66	8	3.84
37080.0	264.1069 47	99.3672 09	32.9227 03	.182912 12	.113142 20	11.089711 05	.454E-5 15	6.939334	62	8	3.47
37082.0	274.0252 17	92.7855 06	32.9241 02	.182870 06	.292511 06	11.089725 03	.584E-5 17	6.939684	62	8	3.21
37084.0	283.9286 08	86.2061 05	32.9244 02	.182868 06	.471981 02	11.089745 02	.640E-5 16	6.939693	48	8	2.66

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37086.0	293.8300 28	79.6274 10	32.9242 04	.182892 11	.651500 09	11.089767 05	.162E-5 42	6.939477	34	8	4.93
37088.0	303.7644 18	73.0476 03	32.9237 01	.182896 03	.830896 07	11.089708 03	-.450E-5 23	6.939469	18	8	1.07
37090.0	313.626 21	66.4625 26	32.9261 16	.182999 15	.010660 77	11.089821 22	.1957E-4 16	6.938544	11	8	1.18
37092.0	323.576 13	59.8888 10	32.9209 07	.182982 11	.190265 48	11.089945 14	.640E-5 31	6.938642	11	8	1.20
37094.0	333.4438 35	53.3082 12	32.9200 07	.183055 13	.370204 11	11.089936 05	.1073E-4 80	6.938019	19	8	2.51
37096.0	343.3423 21	46.7251 07	32.9199 05	.183097 11	.550103 07	11.089978 02	.990E-5 29	6.937643	28	8	2.81
37098.0	353.2336 21	40.1430 08	32.9190 05	.183158 11	.730092 08	11.090015 01	.979E-5 18	6.937115	27	8	2.76
37100.0	3.1267 23	33.5621 08	32.9182 05	.183214 10	.910140 07	11.090048 01	.986E-5 15	6.936628	28	8	3.33
37102.0	13.0178 26	26.9798 08	32.9174 04	.183268 11	.090264 08	11.090085 01	.982E-5 22	6.936154	20	8	3.02
37104.0	22.9069 31	20.3980 07	32.9158 06	.183339 10	.270462 10	11.090110 05	.846E-5 32	6.935538	16	8	2.41
37106.0	32.7792 20	13.8168 05	32.9146 04	.183427 07	.450777 07	11.090157 01	.820E-5 17	6.934767	28	8	2.00
37108.0	42.6338 28	7.2378 06	32.9154 04	.183544 10	.631205 09	11.089922 03	.808E-5 31	6.933870	27	8	2.74
37110.0	52.6502 21	.6544 05	32.9142 03	.183579 08	.811068 07	11.089952 02	.791E-5 19	6.933561	29	8	2.07
37112.0	62.6113 73	354.0727 23	32.9140 09	.183701 25	.991183 24	11.090042 08	.1393E-4 46	6.932487	28	8	7.20
37114.0	72.3032 44	347.4876 26	32.9125 08	.183553 21	.172487 19	11.090472 03	.1508E-4 45	6.933571	23	8	4.76
37116.0	82.1093 55	340.8978 40	32.9100 11	.183586 21	.353460 19	11.090413 47	.1587E-4 74	6.933313	24	8	4.67
37118.0											
37120.0											
37122.0											
37124.0											
37126.0											
37128.0	141.3026 52	301.4027 30	32.9139 04	.183300 07	.440545 18	11.090733 07	.1227E-4 33	6.935604	25	8	3.19
37130.0	151.2021 34	294.8227 11	32.9141 03	.183210 05	.622009 12	11.090792 06	.1311E-4 21	6.936349	31	8	3.46
37132.0	161.0928 37	288.2414 10	32.9147 04	.183149 05	.803630 13	11.090846 05	.1058E-4 27	6.936844	37	8	4.55
37134.0	170.9832 19	281.6598 05	32.9154 02	.183070 03	.985350 07	11.090875 02	.880E-5 11	6.937506	47	8	2.92
37136.0	180.8771 25	275.0796 06	32.9160 02	.182995 02	.167137 09	11.090913 04	.846E-5 13	6.938123	60	8	3.76
37138.0	190.7696 25	268.4983 06	32.9170 03	.182924 03	.349012 08	11.090953 05	.785E-5 21	6.938706	63	8	4.25
37140.0	200.6611 31	261.9166 07	32.9176 03	.182850 03	.530969 11	11.091001 06	.667E-5 21	6.939316	62	8	4.39
37142.0	210.5569 25	255.3326 07	32.9175 03	.182789 03	.712982 09	11.091021 03	.599E-5 20	6.939829	56	8	4.19
37144.0	220.4596 20	248.7481 06	32.9170 02	.182730 03	.895030 07	11.091021 04	.859E-5 15	6.940330	50	8	2.96
37146.0	230.3698 28	242.1665 09	32.9174 03	.182680 05	.077122 10	11.091057 05	.835E-5 16	6.940740	55	8	3.93

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37148.0	240.2862 42	235.5836 12	32.9175 03	.182644 06	.259274 15	11.091089 05	.776E-5 20	6.941033	57	8	4.19
37150.0	250.2045 56	229.0012 12	32.9176 02	.182611 09	.441485 20	11.091128 05	.830E-5 20	6.941293	54	8	3.78
37152.0	260.1045 75	222.4214 16	32.9175 03	.182638 09	.623832 26	11.091144 13	.623E-5 26	6.941060	42	8	3.69
37154.0	269.9911 50	215.8417 08	32.9171 02	.182609 05	.806276 18	11.091250 07	.766E-5 21	6.941265	29	8	1.93
37156.0											
37158.0											
37160.0											
37162.0											
37164.0											
37166.0	329.4813 69	176.3507 14	32.9158 03	.182784 35	.902887 33	11.091737 08	.3550E-4 13	6.939572	35	8	3.23
37168.0	339.420 17	169.7774 34	32.9151 07	.182805 89	.086373 84	11.091805 13	.3180E-4 29	6.939367	29	8	5.80
37170.0	349.263 16	163.1681 38	32.9168 10	.18306 10	.270479 84	11.091949 12	.2414E-4 33	6.937153	22	8	4.85
37172.0	359.1745 83	156.6036 28	32.9135 10	.182851 45	.454526 35	11.092070 07	.1856E-4 14	6.938864	27	8	1.72

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
36934.0	284.0271 08	250.1782 06	33.3596 03	.189601 05	.034717 02	11.063816 02	.1544E-4 20	6.893277	44	8	2.72
36936.0	293.8008 12	243.6292 07	33.3593 03	.189649 10	.162407 02	11.063878 01	.1667E-4 12	6.892842	40	8	3.62
36938.0	303.5693 22	237.0830 08	33.3592 03	.189618 12	.290225 02	11.063949 01	.1747E-4 11	6.893080	31	8	3.46
36940.0	313.3304 26	230.5367 10	33.3585 03	.189639 14	.418206 05	11.064022 02	.1789E-4 28	6.892870	18	8	4.83
36942.0	323.0926 19	223.9909 08	33.3570 02	.189671 10	.546334 03	11.064097 01	.1645E-4 14	6.892570	24	8	3.60
36944.0	332.8539 14	217.4416 06	33.3551 02	.189730 10	.674607 05	11.064170 02	.1537E-4 13	6.892039	26	8	2.41
36946.0	342.6084 11	210.8945 04	33.3539 02	.189781 06	.803012 02	11.064238 01	.15201E-4 94	6.891574	34	8	2.73
36948.0	352.3619 20	204.3461 06	33.3524 02	.189864 10	.931552 03	11.064299 02	.1418E-4 11	6.890845	42	8	4.04
36950.0	2.1139 20	197.7979 09	33.3511 02	.189984 09	.060218 04	11.064361 03	.1382E-4 17	6.889791	41	8	4.22
36952.0	11.8599 27	191.2512 14	33.3499 02	.190100 41	.189004 18	11.064425 07	.1438E-4 17	6.888781	44	8	4.45
36954.0	21.6029 40	184.7027 17	33.3487 03	.190229 65	.317924 29	11.064492 11	.1627E-4 14	6.887655	43	8	4.83
36956.0	31.3478 41	178.1543 13	33.3476 02	.190214 62	.446924 30	11.064530 12	.1709E-4 13	6.887769	34	8	3.39
36958.0	41.0866 18	171.6047 09	33.3468 02	.190272 25	.576108 12	11.064624 05	.1728E-4 11	6.887233	30	8	2.50
36960.0	50.8264 09	165.0539 06	33.3465 02	.190304 12	.705425 05	11.064709 08	.17320E-4 91	6.886928	26	8	1.56
36962.0	60.5494 07	158.5057 04	33.3458 01	.190351 04	.834931 01	11.064795 01	.1798E-4 67	6.886493	23	8	1.61
36964.0	70.2651 14	151.9567 09	33.3454 03	.190375 07	.964598 03	11.064875 01	.19156E-4 80	6.886254	24	8	4.12
36966.0	79.9862 17	145.4074 10	33.3450 03	.190404 07	.094402 03	11.064946 02	.2397E-4 36	6.885982	29	8	4.85
36968.0	89.7095 14	138.8558 10	33.3452 03	.190420 08	.224399 02	11.065048 01	.26147E-4 93	6.885801	37	8	4.25
36970.0	99.4372 13	132.3052 09	33.3456 03	.190416 10	.354593 03	11.065150 01	.2723E-4 33	6.885791	33	8	3.22
36972.0	109.1637 60	125.7534 21	33.3453 06	.190484 41	.485013 20	11.065267 40	.2065E-4 41	6.885165	28	8	5.26
36974.0	118.8893 20	119.2075 12	33.3467 03	.190315 08	.615555 06	11.065311 02	.1632E-4 44	6.886587	17	8	2.54
36976.0	128.6155 27	112.6566 19	33.3485 08	.190256 14	.746246 03	11.065368 02	.1551E-4 35	6.887065	11	8	2.63
36978.0	138.3570 07	106.1062 09	33.3495 04	.190211 07	.877026 01	11.065420 01	.920E-5 26	6.887427	14	8	1.30
36980.0	148.0911 05	99.5559 03	33.3510 01	.190136 05	.007902 01	11.065454 00	.9097E-5 42	6.888049	25	8	1.14
36982.0	157.8285 05	93.0065 03	33.3522 02	.190044 07	.138836 01	11.065482 00	.865E-5 11	6.888816	31	8	1.21
36984.0	167.5716 06	86.4573 04	33.3538 02	.189952 06	.269824 01	11.065510 01	.877E-5 12	6.889592	43	8	2.50
36986.0	177.3194 07	79.9089 04	33.3548 03	.189885 06	.400873 02	11.065539 01	.1030E-4 11	6.890147	60	8	3.66
36988.0	187.0727 08	73.3604 05	33.3563 04	.189788 08	.531985 02	11.065580 01	.1120E-4 12	6.890955	62	8	4.18
36990.0	196.8260 07	66.8118 05	33.3581 03	.189688 09	.663189 02	11.065624 01	.1274E-4 15	6.891787	75	8	4.25
36992.0	206.5828 10	60.2630 06	33.3593 03	.189617 10	.794491 03	11.065680 02	.1420E-4 15	6.892369	69	8	3.96

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
36994.0	216.3407 17	53.7153 09	33.3608 03	.189549 10	.925901 06	11.065736 02	.1503E-4 17	6.892922	64	8	3.55
36996.0	226.128 19	47.1684 15	33.3620 04	.189485 29	.057324 79	11.065760 21	.1421E-4 19	6.893462	60	8	4.00
36998.0	235.8666 42	40.6226 16	33.3629 05	.189469 17	.189053 15	11.065830 06	.1248E-4 40	6.893564	42	8	3.99
37000.0	245.6374 17	34.0754 12	33.3635 04	.189418 10	.320758 04	11.065882 03	.1227E-4 30	6.893982	39	8	4.13
37002.0	255.4074 11	27.5278 06	33.3638 03	.189372 06	.452567 02	11.065927 01	.1317E-4 20	6.894349	24	8	2.56
37004.0	265.1795 10	20.9795 07	33.3640 03	.189345 06	.584478 03	11.065982 01	.1359E-4 15	6.894561	16	8	2.15
37006.0	274.9464 14	14.4311 09	33.3643 03	.189342 13	.716513 05	11.066041 02	.1334E-4 12	6.894557	21	8	3.69
37008.0	284.7234 15	7.8868 10	33.3642 02	.189320 14	.848597 08	11.066118 03	.1658E-4 32	6.894714	35	8	3.03
37010.0	294.4812 11	1.3353 06	33.3638 02	.189354 08	.980897 04	11.066172 02	.1686E-4 20	6.894405	45	8	2.85
37012.0	304.2406 11	354.7878 06	33.3631 02	.189428 08	.113315 04	11.066238 02	.1555E-4 12	6.893747	52	8	3.33
37014.0	314.0100 09	348.2404 06	33.3626 02	.189430 05	.245819 03	11.066286 01	.15043E-4 79	6.893708	50	8	3.00
37016.0	323.7800 14	341.6931 09	33.3621 02	.189450 08	.378438 04	11.066350 02	.17442E-4 99	6.893511	36	8	3.82
37018.0	333.5448 12	335.1453 07	33.3607 02	.189493 06	.511214 03	11.066422 02	.2011E-4 10	6.893112	43	8	3.49
37020.0	343.3130 13	328.5971 07	33.3594 02	.189525 06	.644137 03	11.066510 01	.20809E-4 94	6.892810	37	8	3.42
37022.0	353.0721 15	322.0489 07	33.3579 02	.189570 06	.777250 04	11.066600 03	.2167E-4 21	6.892386	31	8	2.93
37024.0	2.8176 36	315.4995 15	33.3560 05	.189645 18	.910616 12	11.066739 05	.3098E-4 25	6.891692	30	8	6.08
37026.0	12.5627 36	308.9515 11	33.3533 05	.189738 16	.044245 12	11.066877 05	.3097E-4 36	6.890840	32	8	5.35
37028.0	22.3245 22	302.4005 06	33.3517 03	.189664 11	.178087 08	11.067004 05	.2351E-4 17	6.890092	31	8	2.62
37030.0	32.0515 20	295.8504 05	33.3504 02	.189913 11	.312223 08	11.067092 04	.2080E-4 20	6.889262	33	8	1.95
37032.0	41.7991 23	289.2991 08	33.3491 03	.189954 09	.446449 08	11.067173 03	.2108E-4 16	6.888881	32	8	2.20
37034.0	51.5354 22	282.7473 08	33.3468 04	.190003 08	.580885 06	11.067250 04	.2262E-4 18	6.888436	18	8	1.72
37036.0	61.2682 19	276.1944 08	33.3460 02	.190029 06	.715516 05	11.067363 00	.2270E-4 17	6.888168	19	8	1.42
37038.0	70.9989 24	269.6416 09	33.3455 02	.190051 06	.850335 08	11.067458 00	.2328E-4 14	6.887935	24	8	1.68
37040.0	80.776 25	263.0881 24	33.3450 05	.190072 24	.985154 98	11.067554 01	.2494E-4 36	6.887718	24	8	3.00
37042.0	90.472 21	256.5345 22	33.3445 04	.190041 22	.120497 83	11.067658 01	.2641E-4 24	6.887944	27	8	3.09
37044.0	100.186 18	249.9886 27	33.3450 03	.190052 31	.255953 72	11.067765 01	.2701E-4 30	6.887804	37	8	4.40
37046.0	109.9048 39	243.4346 24	33.3455 04	.190013 12	.391634 14	11.067871 01	.2713E-4 32	6.888091	33	8	4.55
37048.0	119.6367 38	236.8848 20	33.3463 03	.189960 10	.527471 13	11.067968 07	.2647E-4 26	6.888503	46	8	4.32
37050.0	129.4496 27	230.3326 15	33.3471 03	.189873 07	.663510 09	11.068064 05	.2719E-4 21	6.889202	49	8	4.28
37052.0	139.1065 31	223.7804 13	33.3485 03	.189785 08	.799783 11	11.068190 06	.2985E-4 33	6.889898	33	8	3.49
37054.0	148.8507 41	217.2293 14	33.3494 04	.189704 07	.936246 15	11.068292 05	.2842E-4 21	6.890548	45	8	4.33

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37056.0	158.5814 90	210.6752 18	33.3514 06	.189566 14	.073030 33	11.068357 15	.2042E-4 38	6.891688	54	8	5.54
37058.0	168.3408 18	204.1244 05	33.3527 02	.189523 03	.209835 06	11.068451 04	.1512E-4 16	6.892019	62	8	2.22
37060.0	178.1040 24	197.5752 06	33.3533 02	.189446 02	.346765 08	11.068500 04	.1773E-4 13	6.892648	75	8	3.71
37062.0	187.8672 20	191.0249 07	33.3536 02	.189421 02	.483845 07	11.068576 02	.1964E-4 12	6.893299	75	8	4.07
37064.0	197.6395 18	184.4746 06	33.3541 02	.189296 02	.621056 06	11.068648 03	.2253E-4 11	6.893867	68	8	3.84
37066.0	207.4114 17	177.9241 07	33.3542 02	.189236 03	.758459 05	11.068744 03	.2271E-4 17	6.894335	55	8	3.60
37068.0	217.1818 17	171.3734 08	33.3551 02	.189185 04	.896053 06	11.068838 02	.2163E-4 13	6.894728	67	8	4.34
37070.0	226.9442 12	164.8218 05	33.3559 02	.189147 02	.033857 04	11.068932 02	.18610E-4 92	6.895014	77	8	2.92
37072.0	236.7802 12	158.2710 04	33.3567 01	.189111 02	.171776 04	11.068992 03	.1678E-4 11	6.895292	81	8	2.79
37074.0	246.4956 18	151.7196 05	33.3570 02	.189070 03	.309785 07	11.069038 03	.1413E-4 11	6.895622	107	8	4.11
37076.0	256.2706 16	145.1683 05	33.3572 02	.189051 03	.447933 06	11.069090 02	.1281E-4 11	6.895766	124	8	3.74
37078.0	266.0478 15	138.6168 05	33.3574 02	.189037 03	.586172 05	11.069152 03	.1349E-4 11	6.895863	119	8	3.81
37080.0	275.8216 12	132.0659 04	33.3575 02	.189034 02	.724530 04	11.069210 02	.14096E-4 93	6.895863	131	8	3.28
37082.0	285.5945 13	125.5156 04	33.3577 02	.189030 03	.862999 05	11.069269 02	.15121E-4 93	6.895874	142	8	3.46
37084.0	295.3661 10	118.9642 04	33.3581 02	.189040 03	.001597 04	11.069333 01	.16371E-4 94	6.895754	126	8	3.11
37086.0	305.1364 01	112.4139 04	33.3577 02	.189059 02	.140328 03	11.069398 02	.17016E-4 90	6.895567	111	8	2.96
37088.0	314.9121 16	105.8622 05	33.3573 02	.189078 03	.279180 05	11.069461 03	.1780E-4 13	6.895386	81	8	3.12
37090.0	324.6795 24	99.3104 07	33.3571 02	.189137 04	.418193 07	11.069543 03	.2178E-4 16	6.894842	56	8	3.94
37092.0	334.4505 23	92.7580 05	33.3566 02	.189183 03	.557374 07	11.069641 04	.2385E-4 14	6.894417	45	8	2.68
37094.0	344.2157 25	86.2074 05	33.3563 02	.189243 03	.696755 08	11.069748 04	.2503E-4 13	6.893856	50	8	2.86
37096.0	353.9808 32	79.6563 05	33.3557 02	.189304 04	.836337 11	11.069843 05	.2469E-4 16	6.893300	49	8	3.07
37098.0	3.7396 17	73.1044 03	33.3550 01	.189357 02	.976133 05	11.069956 02	.24371E-4 62	6.892801	40	8	1.58
37100.0	13.4916 27	66.5524 05	33.3540 02	.189424 03	.116148 08	11.070063 04	.2390E-4 13	6.892189	42	8	2.91
37102.0	23.2375 33	59.9995 08	33.3526 03	.189495 03	.256371 10	11.070174 04	.2190E-4 16	6.891544	36	8	3.45
37104.0	32.9898 30	53.4485 07	33.3514 03	.189557 03	.396743 09	11.070225 03	.1864E-4 11	6.890992	33	8	2.53
37106.0	42.7310 42	46.8952 11	33.3502 04	.189645 04	.537306 13	11.070311 06	.1755E-4 22	6.890211	29	8	3.19
37108.0	52.4816 42	40.3409 09	33.3496 03	.189712 03	.677976 13	11.070372 05	.1670E-4 16	6.889608	26	8	2.43
37110.0	62.2224 64	33.7871 06	33.3488 06	.189770 06	.818800 19	11.070455 07	.2010E-4 29	6.889084	25	8	3.95
37112.0	71.9676 48	27.2315 14	33.3485 07	.189788 05	.959765 14	11.070536 08	.2190E-4 29	6.888899	23	8	4.13
37114.0	81.6834 44	20.6792 11	33.3474 06	.189782 05	.100995 13	11.070659 07	.2716E-4 26	6.888899	23	8	4.02

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37116.0	91.4177 44	14.1245 09	33.3479 06	.189778 04	.242393 14	11.070771 05	.2908E-4 28	6.888883	29	8	4.25
37118.0	101.1457 57	7.5706 09	33.3480 06	.189756 04	.384047 17	11.070878 14	.3037E-4 69	6.889028	21	8	3.73
37120.0	110.8782 52	1.0153 10	33.3482 05	.189725 04	.525941 15	11.071004 05	.3133E-4 26	6.889242	22	8	3.62
37122.0	120.6154 47	354.4589 13	33.3487 06	.189686 05	.668082 14	11.071124 05	.2894E-4 20	6.889519	22	8	4.26
37124.0	130.3675 35	347.9024 08	33.3481 03	.189640 03	.810405 10	11.071215 03	.2647E-4 16	6.889871	21	8	1.95
37126.0	140.1046 35	341.3477 11	33.3497 03	.189563 04	.952995 11	11.071321 03	.2568E-4 12	6.890485	29	8	3.05
37128.0	149.8556 59	334.7914 17	33.3504 04	.189493 06	.095747 20	11.071415 05	.2663E-4 17	6.891044	32	8	4.29
37130.0	159.6096 59	328.2414 23	33.3522 04	.189423 09	.238683 20	11.071541 07	.2917E-4 21	6.891587	38	8	6.00
37132.0	169.3612 28	321.6885 17	33.3537 03	.189327 05	.381874 08	11.071651 03	.3070E-4 15	6.892357	43	8	4.13
37134.0	179.1218 21	315.1346 11	33.3550 02	.189257 04	.525280 06	11.071763 02	.3013E-4 18	6.892901	53	8	4.14
37136.0	188.8789 13	308.5814 07	33.3567 02	.189178 03	.668945 04	11.071878 01	.29748E-4 89	6.893527	67	8	3.23
37138.0	198.6552 17	302.0291 06	33.3577 02	.189120 04	.812787 05	11.072009 02	.2690E-4 15	6.893965	68	8	4.07
37140.0	208.4220 19	295.4756 07	33.3588 02	.189052 05	.956883 06	11.072101 02	.2471E-4 15	6.894504	66	8	4.61
37142.0	218.1972 19	288.9223 07	33.3591 03	.189010 06	.101151 06	11.072179 02	.2073E-4 19	6.894830	45	6	3.94
37144.0	227.9761 15	282.3675 07	33.3594 03	.188972 05	.245576 05	11.072255 02	.2013E-4 18	6.895119	52	6	4.08
37146.0	237.7607 18	275.8133 09	33.3595 04	.188946 07	.390148 06	11.072340 02	.1947E-4 31	6.895309	60	6	5.99
37148.0	247.5369 12	269.2592 08	33.3595 03	.188899 05	.534909 04	11.072412 02	.1545E-4 35	6.895677	67	6	4.90
37150.0	257.3094 21	262.7040 12	33.3593 03	.188871 06	.679810 08	11.072486 04	.1707E-4 43	6.895884	55	6	4.35
37152.0	267.0889 29	256.1471 11	33.3586 03	.188862 08	.824821 10	11.072538 04	.1519E-4 35	6.895940	45	6	4.44
37154.0	276.8809 42	249.5880 09	33.3573 04	.188896 11	.969906 15	11.072591 06	.1718E-4 41	6.895631	53	6	4.11
37156.0	286.6625 31	243.0317 08	33.3570 03	.188914 10	.115159 11	11.072670 04	.2064E-4 24	6.895447	56	6	3.40
37158.0	296.4390 31	236.4794 10	33.3572 03	.188922 09	.260587 11	11.072772 03	.2676E-4 30	6.895330	62	6	4.27
37160.0	306.2194 24	229.9248 09	33.3567 02	.188961 07	.406218 08	11.072889 03	.3450E-4 24	6.894949	50	6	3.29
37162.0	315.9974 29	223.3702 12	33.3560 04	.188987 10	.552138 10	11.073036 05	.4932E-4 39	6.894667	62	6	6.33
37164.0	325.7707 13	216.8148 06	33.3552 02	.189015 05	.698469 04	11.073267 02	.5464E-4 18	6.894339	84	6	3.76
37166.0	335.5455 11	210.2584 04	33.3545 02	.189073 04	.845230 04	11.073490 02	.5324E-4 21	6.893751	72	6	2.85
37168.0	345.3221 17	203.7020 06	33.3538 02	.189109 04	.992405 06	11.073672 03	.4849E-4 18	6.893372	60	6	3.02
37170.0	355.0971 22	197.1450 08	33.3536 03	.189216 04	.139975 08	11.073851 03	.3558E-4 26	6.892389	54	6	4.24
37172.0	4.8679 16	190.5877 06	33.3522 02	.189289 03	.287832 05	11.073995 02	.2859E-4 20	6.891706	48	6	3.08
37174.0	14.6333 14	184.0300 06	33.3502 02	.189366 03	.435936 04	11.074109 01	.2769E-4 12	6.891002	56	8	3.22
37176.0	24.3918 16	177.4724 08	33.3488 02	.189444 05	.584279 05	11.074229 02	.2671E-4 16	6.890286	47	8	3.63

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37178.0	34.1436 14	170.9137 07	33.3476 02	.189508 05	.732854 05	11.074338 01	.25513E-4 86	6.889702	40	8	3.31
37180.0											
37182.0	53.6332 12	157.7963 07	33.3464 03	.189664 05	.030654 04	11.074580 01	.3411E-4 20	6.888277	30	8	3.02
37184.0	63.3750 13	151.2369 08	33.3453 03	.189711 06	.179949 04	11.074715 00	.34302E-4 94	6.887818	33	8	3.97
37186.0	73.1250 08	144.6779 05	33.3443 02	.189730 04	.329477 02	11.074869 00	.4393E-4 11	6.887596	29	8	2.16
37188.0	82.8452 15	138.1166 08	33.3441 03	.189768 08	.479399 05	11.075053 01	.4783E-4 14	6.887197	37	8	4.08
37190.0	92.6088 13	131.5563 07	33.3441 03	.189758 08	.629665 05	11.075258 01	.5594E-4 17	6.887194	34	8	3.46
37192.0	102.3387 10	124.9944 08	33.3442 03	.189733 07	.780415 04	11.075468 01	.5876E-4 21	6.887318	35	8	3.06
37194.0	112.0806 09	118.4329 01	33.3445 04	.189692 08	.931611 04	11.075713 01	.6063E-4 14	6.887566	35	8	3.77
37196.0	121.8234 10	111.8744 12	33.3451 04	.189670 08	.083277 04	11.075958 01	.6228E-4 15	6.887654	31	8	3.52
37198.0	131.5644 26	105.3112 20	33.3452 07	.189610 12	.235460 08	11.076219 06	.6112E-4 95	6.888055	14	8	3.15
37200.0	141.3086 37	98.7494 16	33.3458 06	.189557 09	.388126 09	11.076456 04	.6115E-4 59	6.888406	15	8	2.87
37202.0	151.1092 47	92.1911 23	33.3506 06	.189458 14	.541149 15	11.076680 04	.5415E-4 52	6.889153	23	8	4.93
37204.0	160.8443 20	85.6216 01	33.3521 03	.189369 07	.694763 07	11.076870 04	.4187E-4 60	6.889829	32	8	3.16
37206.0	170.6082 01	79.0599 05	33.3532 03	.189297 06	.848667 03	11.077032 02	.4198E-4 27	6.890375	36	8	3.11
37208.0	180.3757 14	72.4976 07	33.3546 03	.189218 06	.002894 04	11.077190 02	.4009E-4 13	6.890984	32	8	3.24
37210.0	190.1465 17	65.9344 13	33.3557 05	.189129 09	.157442 04	11.077344 01	.3872E-4 22	6.891672	20	8	4.03
37212.0	200.9271 43	59.3717 41	33.3578 12	.189053 16	.312267 07	11.077488 02	.3898E-4 20	6.892261	12	8	6.77
37214.0	209.7102 24	52.8080 24	33.3597 05	.188986 07	.467389 03	11.077660 10	.493E-4 28	6.892758	8	8	2.18
37216.0	219.5009 17	46.2511 13	33.3622 03	.188941 11	.622844 04	11.077813 01	.3684E-4 29	6.893082	18	8	3.85
37218.0	229.2858 15	39.6893 01	33.3629 02	.188898 08	.778612 04	11.077956 01	.36882E-4 81	6.893388	41	8	4.05
37220.0	239.0755 12	33.1272 09	33.3637 02	.188861 08	.934663 03	11.078098 01	.3857E-4 31	6.893643	55	8	4.57
37222.0	248.8622 08	26.5663 06	33.3643 02	.188810 06	.091027 02	11.078258 01	.39368E-4 85	6.894008	71	8	4.47
37224.0	258.6470 07	20.0060 06	33.3647 02	.188802 05	.247708 02	11.078420 01	.3807E-4 12	6.894006	76	8	4.42
37226.0	268.4374 10	13.4452 08	33.3649 02	.188784 05	.404686 02	11.078568 02	.3422E-4 16	6.894104	68	8	4.16
37228.0	278.2395 25	6.8856 16	33.3650 03	.188829 09	.561886 08	11.078667 03	.2965E-4 21	6.893677	78	8	6.16
37230.0	288.0899 28	.3223 06	33.3645 01	.188832 06	.719466 12	11.078789 03	.24592E-4 99	6.893600	73	8	1.87
37232.0	297.7927 49	353.7594 06	33.3641 01	.188843 08	.877187 20	11.078889 04	.24837E-4 93	6.893462	63	8	1.70
37234.0	307.5818 38	347.1972 10	33.3636 02	.188879 17	.035083 37	11.078989 07	.2477E-4 14	6.893120	63	8	2.63
37236.0	317.3822 83	340.6347 11	33.3627 03	.188936 20	.193129 36	11.079078 06	.2231E-4 12	6.892599	57	8	2.50
37238.0	327.1866 79	334.0721 14	33.3618 04	.189036 21	.351323 35	11.079175 05	.2212E-4 12	6.891705	43	8	2.09

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37240.0	336.959 10	327.5092 15	33.3603 05	.189078 30	.509824 44	11.079285 08	.2259E-4 26	6.891303	33	8	2.07
37242.0	346.722 16	320.9448 18	33.3593 09	.189116 53	.668561 68	11.079393 08	.2728E-4 20	6.890937	27	8	2.82
37244.0	356.4968 43	314.3814 15	33.3577 10	.189179 13	.827461 19	11.079502 05	.2957E-4 23	6.890353	23	8	2.74
37246.0	6.2734 29	307.8175 14	33.3565 12	.189262 12	.986591 09	11.079624 05	.2976E-4 32	6.889602	21	8	3.06
37248.0	16.0489 15	301.2525 07	33.3546 09	.189331 06	.145960 03	11.079753 03	.3096E-4 31	6.888961	30	8	3.88
37250.0	25.8202 13	294.6871 07	33.3537 07	.189395 05	.305592 03	11.079881 01	.3279E-4 40	6.888366	24	8	3.10
37252.0	35.5814 16	288.1207 11	33.3526 10	.189464 06	.465540 03	11.080067 01	.4312E-4 15	6.887702	21	8	4.21
37254.0											
37256.0	55.0983 13	274.9844 11	33.3477 04	.189575 04	.786460 02	11.080337 01	.1904E-4 15	6.886639	22	8	2.97
37258.0	64.8473 11	268.4170 10	33.3471 04	.189610 04	.947210 02	11.080413 01	.18803E-4 84	6.886316	28	8	3.27
37260.0	74.5983 14	261.8482 10	33.3458 03	.189636 04	.108109 02	11.080484 01	.1762E-4 65	6.886070	30	8	3.73
37262.0	84.3395 08	255.2817 05	33.3456 01	.189650 02	.269181 01	11.080550 00	.14030E-4 78	6.885914	23	8	1.58
37264.0	94.0907 26	248.7154 14	33.3461 04	.189647 07	.430335 04	11.080611 01	.1174E-4 14	6.885916	21	8	3.93
37266.0	103.8412 35	242.1476 14	33.3460 04	.189628 09	.591596 05	11.080654 01	.1089E-4 17	6.886060	17	8	2.84
37268.0	113.5963 36	235.5798 15	33.3457 04	.189564 08	.752933 06	11.080699 02	.1303E-4 30	6.886590	14	8	4.91
37270.0	123.3488 44	229.0147 20	33.3466 04	.189534 09	.914372 08	11.080740 03	.1375E-4 32	6.886828	15	8	6.15
37272.0	133.1017 42	222.4500 16	33.3472 04	.189467 08	.075925 07	11.080817 02	.1673E-4 31	6.887363	21	8	5.84
37274.0	142.8501 45	215.8871 24	33.3480 04	.189410 08	.237621 07	11.080884 03	.1702E-4 22	6.887816	21	8	5.61
37276.0	152.6244 39	209.3157 17	33.3474 04	.189317 07	.399405 06	11.080936 01	.1774E-4 18	6.888589	23	8	4.34
37278.0	162.3889 32	202.7502 14	33.3482 03	.189242 06	.561343 05	11.080996 02	.1665E-4 21	6.889200	21	8	3.61
37280.0	172.1587 25	196.1845 11	33.3494 02	.189169 06	.723398 04	11.081059 02	.1622E-4 13	6.889791	21	8	2.53
37282.0	181.9358 22	189.6168 12	33.3502 03	.189103 08	.885565 04	11.081119 02	.1757E-4 17	6.890329	22	8	2.98
37284.0	191.7277 20	183.0463 12	33.3519 03	.188939 07	.047871 04	11.081173 02	.1761E-4 16	6.891705	33	8	3.62
37286.0	201.5132 21	176.4799 12	33.3529 03	.188891 07	.210295 04	11.081246 02	.1566E-4 18	6.892079	46	8	6.01
37288.0	211.3022 15	169.9124 07	33.3545 03	.188844 05	.372837 03	11.081296 01	.1229E-4 15	6.892456	51	8	5.42
37290.0	221.0923 13	163.3449 07	33.3556 03	.188778 05	.535479 02	11.081341 01	.1127E-4 18	6.893003	49	8	4.94
37292.0	230.8858 23	156.7799 11	33.3570 03	.188752 06	.698185 04	11.081367 02	.9092E-5 88	6.893213	36	8	5.50
37294.0	240.6867 21	150.2133 12	33.3575 03	.188734 07	.860949 03	11.081398 01	.902E-5 20	6.893354	25	8	5.10
37296.0	250.4775 21	143.6455 09	33.3578 03	.188758 08	.023807 04	11.081436 02	.982E-5 22	6.893135	21	8	3.31
37298.0	260.2706 32	137.0803 16	33.3588 05	.188708 12	.186761 09	11.081505 06	.1271E-4 40	6.893527	25	8	4.07

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37300.0											
37302.0											
37304.0	289.6604 27	117.3823 12	33.3606 02	.188687 13	.676192 04	11.081653 02	.1211E-4 15	6.893645	21	8	4.06
37306.0	299.4516 27	110.8155 11	33.3605 02	.188711 11	.839553 05	11.081706 02	.1246E-4 26	6.893421	20	8	3.41
37308.0	309.2389 41	104.2521 24	33.3601 04	.188797 20	.003002 11	11.081751 04	.1249E-4 26	6.892666	24	8	4.53
37310.0	319.020 12	97.6880 28	33.3597 04	.18866 10	.166644 72	11.081801 33	.779E-5 29	6.893830	33	8	4.63
37312.0	328.8171 81	91.1237 16	33.3590 03	.188816 77	.330210 48	11.081801 19	.665E-5 15	6.892490	46	8	3.84
37314.0	338.6078 64	84.5578 19	33.3580 03	.188901 65	.493875 38	11.081862 19	.647E-5 13	6.891743	52	8	4.02
37316.0	348.3952 45	77.9879 19	33.3573 03	.188975 59	.657615 29	11.081906 13	.627E-5 18	6.891096	48	8	3.47
37318.0	358.1690 41	71.4221 24	33.3557 05	.188985 74	.821458 31	11.081951 12	.810E-5 13	6.890991	46	8	3.92
37320.0	7.9415 39	64.8537 27	33.3547 08	.189075 65	.985351 26	11.081953 12	.931E-5 16	6.890225	43	8	3.90
37322.0	17.7191 42	58.2854 29	33.3540 12	.189191 82	.149296 29	11.081996 12	.784E-5 16	6.889221	38	8	4.45
37324.0	27.4939 40	51.7193 25	33.3526 13	.189227 77	.313325 23	11.082034 10	.788E-5 15	6.888900	41	8	4.29
37326.0	37.2626 73	45.1517 35	33.3513 22	.18926 13	.477438 26	11.082074 11	.784E-5 21	6.888627	34	8	4.46
37328.0	47.0313 43	38.5823 17	33.3513 16	.189314 72	.641606 19	11.082101 05	.730E-5 31	6.888128	24	8	4.31
37330.0	56.7892 34	32.0125 11	33.3526 17	.189435 12	.805839 08	11.082133 04	.695E-5 35	6.887085	19	8	4.50
37332.0	66.5467 43	25.4452 14	33.3512 20	.189460 10	.970146 10	11.082171 05	.725E-5 41	6.886864	15	8	6.25
37334.0	76.2992 48	18.8779 30	33.3509 20	.189491 07	.134519 10	11.082207 04	.861E-5 29	6.886582	13	8	6.76
37336.0	86.0511 49	12.3071 35	33.3491 19	.189502 07	.298967 08	11.082250 04	.832E-5 27	6.886470	15	8	6.86
37338.0	95.7990 37	5.7358 26	33.3485 08	.189518 05	.463495 06	11.082278 03	.715E-5 17	6.886321	16	8	5.75
37340.0	105.5464 39	359.1676 21	33.3494 04	.189507 06	.628077 07	11.082294 03	.597E-5 14	6.886412	23	8	5.92
37342.0	115.3010 30	352.5979 16	33.3501 03	.189481 04	.792693 05	11.082319 03	.5853E-5 98	6.886624	28	8	5.19
37344.0	125.0617 30	346.0294 15	33.3514 02	.189429 04	.957339 05	11.082342 02	.6873E-5 72	6.887056	32	8	4.49
37346.0	134.8243 33	339.4606 13	33.3520 03	.189363 04	.122032 06	11.082358 02	.7932E-5 99	6.887607	37	8	5.44
37348.0	144.5795 19	332.8946 06	33.3535 01	.189292 02	.286798 03	11.082390 01	.8679E-5 48	6.888195	36	8	2.88
37350.0	154.3335 30	326.3293 09	33.3552 02	.189208 04	.451638 06	11.082409 02	.669E-5 10	6.888900	43	8	5.35
37352.0	164.1213 23	319.7599 07	33.3560 02	.189099 03	.616462 05	11.082425 02	.5155E-5 73	6.889826	38	8	4.37
37354.0	173.9029 25	313.1922 07	33.3568 03	.189023 03	.781336 05	11.082439 02	.3433E-5 98	6.890464	44	8	5.65
37356.0	183.6901 25	302.6249 07	33.3578 02	.188954 03	.946223 05	11.082446 02	.233E-5 11	6.891048	36	8	4.65
37358.0	193.4789 41	300.0584 10	33.3578 04	.188889 04	.111119 08	11.082452 04	.179E-5 22	6.891599	27	8	4.86

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37360.0	203.2864 77	293.4872 16	33.3588 04	.188791 15	.276006 15	11.082451 05	.389E-5 51	6.892427	21	8	3.31
37362.0											
37364.0											
37366.0											
37368.0											
37370.0											
37372.0											
37374.0											
37376.0	281.6339 37	240.9469 11	33.3589 04	.188567 08	.596322 07	11.082582 03	.571E-5 32	6.894281	18	8	3.35
37378.0	291.4304 31	234.2797 10	33.3586 03	.188586 04	.761510 06	11.082602 03	.557E-5 14	6.894110	26	8	3.61
37380.0											
37382.0											
37384.0											
37386.0											
37388.0	340.3954 34	201.5466 13	33.3558 04	.188769 03	.588193 08	11.082726 04	.644E-5 13	6.892506	29	8	4.08
37390.0	350.1893 26	194.9792 10	33.3547 03	.188836 02	.753679 06	11.082761 03	.6032E-5 82	6.891916	34	8	4.37
37392.0	359.9743 23	188.4119 10	33.3533 02	.188911 02	.919233 05	11.082790 02	.6514E-5 97	6.891267	33	8	3.95
37394.0	9.7586 30	181.8468 13	33.3518 03	.188984 02	.084839 06	11.082819 03	.619E-5 14	6.890634	26	8	4.16
37396.0	19.5319 40	175.2766 10	33.3508 03	.189066 02	.250524 09	11.082852 04	.407E-5 15	6.889926	25	8	5.06
37398.0	29.2992 29	168.7077 09	33.3495 03	.189145 02	.416252 07	11.082872 02	.3487E-5 87	6.889249	27	8	4.05
37400.0	39.0687 23	162.1384 06	33.3480 02	.189217 01	.582002 06	11.082886 02	.3386E-5 85	6.888631	29	8	3.06
37402.0	48.8360 23	155.5688 08	33.3468 03	.189295 02	.747784 05	11.082900 03	.3769E-5 95	6.887960	37	8	4.57
37404.0	58.5893 29	148.9997 12	33.3456 05	.189353 04	.913628 06	11.082933 03	.4801E-5 99	6.887455	38	8	6.48
37406.0	68.3491 31	142.4290 13	33.3448 05	.189397 04	.079502 07	11.082953 03	.535E-5 14	6.887070	29	8	5.93
37408.0	78.1047 41	135.8620 19	33.3433 08	.189415 04	.245422 09	11.082963 04	.3372E-5 92	6.886913	21	8	6.22
37410.0	88.8637 44	129.2894 12	33.3445 07	.189414 05	.411369 10	11.082984 04	.371E-5 26	6.886911	20	8	6.48
37412.0	97.6154 44	122.7214 11	33.3445 08	.189413 04	.577352 10	11.083002 07	.281E-5 21	6.886916	21	8	5.50
37414.0	107.3745 32	116.1518 08	33.3455 05	.189404 04	.743345 07	11.082997 03	.221E-5 12	6.886993	25	8	4.82
37416.0	117.1303 50	109.5833 19	33.3457 06	.189370 14	.909358 08	11.083009 04	.257E-6 10	6.887281	29	8	4.79
37418.0	126.813 16	103.0094 23	33.3448 06	.189046 57	.075498 21	11.083037 06	.1548E-5 86	6.890019	27	8	3.80

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37420.0	136.613 13	96.4434 19	33.3470 05	.189164 41	.241480 18	11.083017 07	.117E-5 15	6.889027	27	8	3.99
37422.0	146.4096 35	89.8756 16	33.3488 05	.189214 05	.407468 07	11.083023 03	.1474E-5 89	6.888595	25	8	3.68
37424.0	156.1818 38	83.3059 17	33.3505 05	.189117 03	.573490 08	11.083031 03	.341E-5 15	6.889420	27	8	4.71
37426.0	165.9452 31	76.7371 09	33.3524 03	.189036 02	.739550 07	11.083032 03	.4053E-5 88	6.890106	36	8	4.86
37428.0	175.7175 20	70.1675 06	33.3539 02	.188945 02	.905625 04	11.083044 02	.3858E-5 78	6.890878	45	8	4.40
37430.0	185.4932 30	63.5983 08	33.3555 02	.188865 02	.071721 07	11.083053 03	.386E-5 10	6.891549	44	8	5.00
37432.0	195.2872 25	57.0329 07	33.3575 02	.188808 02	.237797 05	11.083052 02	.4349E-5 74	6.892032	50	8	5.45
37434.0	205.0809 23	50.4659 07	33.3591 02	.188749 02	.403913 05	11.083063 03	.4095E-5 74	6.892531	42	8	4.31
37436.0	214.8719 34	43.9000 10	33.3607 03	.188691 03	.570064 07	11.083086 04	.405E-5 13	6.893014	30	8	3.75
37438.0	224.6684 22	37.3324 10	33.3619 02	.188630 02	.736236 04	11.083091 01	.3281E-5 59	6.893533	31	8	2.78
37440.0											
37442.0											
37444.0											
37446.0											
37448.0											
37450.0											
37452.0											
37454.0											
37456.0											
37458.0											
37460.0	332.4351 53	325.0935 23	33.3598 10	.18886 12	.565114 52	11.083179 11	-.35E-8 39	6.891549	14	8	3.01
37462.0	342.2165 41	318.5259 14	33.3590 05	.188960 91	.731465 39	11.083146 13	.148E-5 24	6.890705	26	8	2.56
37464.0	352.0068 23	311.9583 12	33.3576 04	.188980 44	.897771 19	11.083171 08	.175E-5 11	6.890522	42	8	2.61
37466.0	1.7890 22	305.3911 15	33.3562 04	.189023 27	.064119 12	11.083191 11	.295E-5 12	6.890147	44	8	2.62
37468.0	11.5727 18	298.8167 12	33.3538 03	.189127 20	.230521 09	11.083206 03	.367E-5 13	6.889258	48	8	3.02
37470.0	21.3499 13	292.2484 08	33.3526 02	.189177 06	.396935 03	11.083231 01	.436E-5 12	6.888825	51	8	3.36
37472.0	31.1200 14	285.6788 07	33.3513 02	.189252 05	.563419 03	11.083255 03	.425E-5 22	6.888183	41	8	3.87
37474.0	40.8785 19	279.1107 10	33.3506 03	.189300 09	.729958 05	11.083276 03	.255E-5 12	6.887766	36	8	4.92
37476.0	50.6400 13	272.5463 07	33.3494 02	.189385 05	.896509 02	11.083289 01	.942E-6 54	6.887033	32	8	3.06
37478.0	60.3940 27	265.9751 16	33.3474 04	.189418 10	.063093 05	11.083295 03	.82E-6 10	6.886752	21	8	5.78
37480.0	70.1489 29	259.4036 15	33.3463 03	.189450 08	.229684 04	11.083298 03	.51E-6 16	6.886475	19	8	5.02

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37482.0	79.9071 23	252.8298 11	33.3453 04	.189479 06	.396277 04	11.083296 01	.576E-6 75	6.886237	30	8	4.95
37484.0	89.6654 18	246.2588 08	33.3451 03	.189497 06	.562868 03	11.083302 01	.151E-5 11	6.886078	35	8	4.78
37486.0	99.4212 19	239.6880 11	33.3449 03	.189495 06	.729478 03	11.083313 02	.256E-5 11	6.886087	49	8	5.17
37488.0	109.1747 13	233.1172 08	33.3452 02	.189457 04	.896110 02	11.083320 01	.2842E-5 62	6.886411	68	8	5.37
37490.0	118.9310 13	226.5468 07	33.3458 03	.189408 04	.062756 02	11.083327 01	.3810E-5 74	6.886827	67	8	5.51
37492.0	128.6915 14	219.9771 05	33.3466 02	.189352 04	.229421 02	11.083340 01	.4244E-5 72	6.887296	64	8	4.89
37494.0	138.4593 20	213.4056 07	33.3473 03	.189306 07	.396112 04	11.083359 02	.629E-5 13	6.887678	60	8	5.81
37496.0	148.2279 20	206.8338 08	33.3480 03	.189233 09	.562847 04	11.083382 02	.751E-5 15	6.888289	51	8	4.14
37498.0	157.9989 19	200.2656 10	33.3500 04	.189129 13	.729625 06	11.083403 03	.599E-5 16	6.889160	48	8	4.31
37500.0	167.7811 24	193.6969 12	33.3515 04	.189078 09	.896436 07	11.083410 04	.367E-5 19	6.889595	46	8	4.49
37502.0	177.5614 32	187.1256 14	33.3522 04	.188976 08	.063276 07	11.083411 03	.192E-5 25	6.890462	39	8	4.90
37504.0	187.3351 56	180.5630 26	33.3539 05	.188891 11	.230130 08	11.083422 03	.71E-6 17	6.891174	32	8	4.89
37506.0	197.1260 49	173.9925 23	33.3547 03	.188820 10	.396960 07	11.083423 03	.15E-6 15	6.891783	32	8	3.94
37508.0	206.9118 42	167.4245 21	33.3559 03	.188753 09	.563797 06	11.083418 03	.279E-6 85	6.892352	30	8	3.05
37510.0	216.7023 47	160.8552 24	33.3568 03	.188698 11	.730625 07	11.083420 04	.23E-6 15	6.892815	30	8	3.29
37512.0	226.4941 32	154.2879 17	33.3581 02	.188659 09	.897446 06	11.083405 03	-.13E-6 21	6.893156	26	8	2.53
37514.0	236.2988 39	147.7179 22	33.3589 04	.188630 09	.064227 06	11.083400 02	.212E-5 24	6.893408	22	8	2.22
37516.0	246.1058 25	141.1459 18	33.3603 04	.188626 07	.231035 05	11.083414 04	.117E-5 23	6.893432	23	8	2.30
37518.0	255.9025 13	134.5775 15	33.3611 03	.188591 05	.397865 03	11.083414 02	.93E-6 33	6.893733	21	8	2.53
37520.0	265.6989 12	128.0118 10	33.3612 03	.188588 05	.564700 02	11.083420 01	.122E-5 17	6.893757	24	8	2.13
37522.0	275.4920 30	121.4464 15	33.3606 05	.188611 09	.731558 07	11.083434 04	.204E-5 23	6.893553	25	8	2.34
37524.0	285.263 13	114.8818 24	33.3592 15	.188693 38	.898525 50	11.083473 14	.311E-5 17	6.892835	26	8	2.10
37526.0	295.0690 73	108.3122 10	33.3593 06	.188691 25	.065375 30	11.083431 10	.328E-5 21	6.892877	34	8	2.31
37528.0	304.8778 13	101.7418 07	33.3595 03	.188674 07	.232240 03	11.083450 02	.341E-5 14	6.893013	46	8	2.57
37530.0	314.6805 10	95.1723 07	33.3589 04	.188714 03	.399158 02	11.083471 02	.291E-5 20	6.892658	44	8	3.26
37532.0	324.4757 14	88.6044 08	33.3582 04	.188755 03	.566117 03	11.083487 01	.233E-5 12	6.892309	41	8	3.39
37534.0	334.2631 17	82.0353 09	33.3580 05	.188804 06	.733113 03	11.083503 01	.210E-5 14	6.891885	31	8	3.63
37536.0	344.0625 23	75.4652 06	33.3576 07	.188863 08	.900093 06	11.083498 03	-.15E-6 29	6.891387	25	8	2.97
37538.0	353.8451 34	68.8970 05	33.3572 08	.188945 15	.067121 15	11.083503 07	-.116E-5 38	6.890689	21	8	1.91
37540.0	3.6151 82	62.3286 11	33.3557 08	.189075 28	.234191 36	11.083534 19	-.132E-5 22	6.889571	34	8	1.92
37542.0	13.3888 63	55.7593 09	33.3541 06	.189160 20	.401226 28	11.083522 11	.2E-7 11	6.888851	48	8	2.07

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37544.0	23.1506 72	49.1887 08	33.3523 04	.189271 18	.568313 31	11.083490 12	.46E-6 14	6.887923	52	8	1.90
37546.0	32.9517 12	42.6179 05	33.3511 02	.189256 06	.735227 04	11.083532 02	.15E-6 12	6.888033	66	8	2.37
37548.0	42.7147 08	36.0467 05	33.3502 02	.189295 05	.902297 02	11.083535 02	.67E-6 26	6.887695	51	8	2.39
37550.0	52.4732 09	29.4765 08	33.3492 03	.189323 07	.069381 02	11.083547 01	.175E-5 17	6.887453	48	8	3.40
37552.0	62.2280 07	22.9062 05	33.3495 02	.189374 05	.236496 01	11.083564 00	.275E-5 10	6.887014	53	8	3.31
37554.0	71.9790 07	16.3364 06	33.3492 02	.189405 05	.403641 02	11.083578 01	.416E-5 14	6.886743	42	8	2.86
37556.0	81.7320 06	9.7675 05	33.3490 02	.189428 04	.570813 01	11.083595 00	.4440E-5 76	6.886541	62	8	3.16
37558.0	91.4852 07	3.1986 06	33.3490 02	.189435 04	.738020 01	11.083612 00	.4388E-5 64	6.886473	58	8	3.40
37560.0	101.2420 13	356.6290 10	33.3492 02	.189438 05	.905257 02	11.083621 01	.323E-5 11	6.886443	38	8	3.51
37562.0	111.0015 31	350.0623 21	33.3494 02	.189414 07	.072505 04	11.083629 02	.2731E-5 78	6.886647	33	8	3.57
37564.0											
37566.0	130.5153 25	336.9242 18	33.3498 02	.189276 06	.407068 04	11.083642 02	-.47E-7 78	6.887813	28	8	3.04
37568.0	140.2741 21	330.3542 19	33.3505 03	.189203 05	.574350 03	11.083634 02	-.21E-6 12	6.888437	32	8	3.69
37570.0	150.0422 21	323.7834 17	33.3515 04	.189145 09	.741612 04	11.083633 02	.94E-6 14	6.888928	41	8	5.95
37572.0	159.8161 15	317.2119 11	33.3528 04	.189054 08	.908862 03	11.083634 01	.343E-5 12	6.889706	43	8	4.95
37574.0	169.5914 11	310.6432 08	33.3537 03	.188978 06	.076137 02	11.083645 01	.456E-5 13	6.890345	76	8	4.31
37576.0	179.3689 09	304.0748 06	33.3550 03	.188901 05	.243437 02	11.083656 01	.5133E-5 73	6.890998	106	8	4.39
37578.0	189.1509 07	297.5064 04	33.3563 02	.188820 04	.410767 02	11.083671 01	.5860E-5 92	6.891680	119	8	3.91
37580.0	198.9362 07	290.9379 03	33.3573 02	.188724 04	.578131 02	11.083693 01	.6219E-5 77	6.892485	120	8	3.30
37582.0	208.7249 07	284.3695 03	33.3586 02	.188648 05	.745537 02	11.083717 01	.615E-5 11	6.893123	86	8	2.13
37584.0	218.5175 04	277.8018 04	33.3595 02	.188593 05	.912973 03	11.083728 01	.5717E-5 60	6.893583	73	8	1.66
37586.0	228.3065 11	271.2339 04	33.3599 02	.188551 07	.080473 03	11.083750 01	.4818E-5 82	6.893932	62	8	1.23
37588.0	238.1074 15	264.6657 07	33.3598 03	.188489 08	.247969 04	11.083776 02	.3719E-5 84	6.894448	60	8	1.71
37590.0	247.9028 09	258.0984 03	33.3604 02	.188468 04	.415515 03	11.083778 01	.2558E-5 64	6.894621	59	8	1.35
37592.0	257.7033 08	251.5305 04	33.3604 02	.188442 04	.583065 02	11.083779 01	.2585E-5 75	6.894846	64	8	1.79
37594.0	267.5059 06	244.9613 04	33.3605 01	.188424 03	.750633 02	11.083791 02	.202E-5 13	6.894991	53	8	1.54
37596.0	277.3064 06	238.3959 04	33.3602 01	.188380 03	.918216 02	11.083799 01	.1630E-5 70	6.895364	57	8	1.86
37598.0	287.1067 11	231.8267 07	33.3600 02	.188392 04	.085816 03	11.083810 01	.3510E-5 85	6.895259	54	8	3.05
37600.0	296.9040 16	225.2604 08	33.3591 03	.188390 06	.253450 05	11.083830 03	.663E-5 14	6.895261	56	8	3.39
37602.0	306.7005 18	218.6916 09	33.3579 03	.188425 06	.421149 06	11.083861 03	.552E-5 13	6.894958	73	8	4.91

T (MJD)	ϖ	Ω	i	e	M	n	n'/2	q	N	D	σ
37604.0	316.5014 08	212.1240 04	33.3571 01	.188472 03	.588882 03	11.083880 01	.2491E-5 63	6.894546	71	8	2.16
37606.0	326.2939 08	205.5557 04	33.3560 01	.188511 03	.756652 03	11.083886 01	.2356E-5 61	6.894210	100	8	2.68
37608.0	336.0880 08	198.9879 03	33.3548 01	.188569 02	.924437 03	11.083903 01	.3330E-5 70	6.893713	114	8	2.64
37610.0	345.8762 13	192.4195 04	33.3532 01	.188639 03	.092269 05	11.083924 02	.5194E-5 84	6.893109	121	8	3.31
37612.0	355.6610 13	185.8514 03	33.3515 01	.188704 03	.260152 05	11.083958 02	.6201E-5 80	6.892545	118	8	2.63
37614.0	5.4417 16	179.2821 03	33.3499 01	.188778 03	.428103 06	11.083983 03	.577E-5 10	6.891905	110	8	2.66
37616.0	15.2224 12	172.7125 03	33.3478 02	.188849 03	.596098 05	11.084008 02	.5306E-5 99	6.891290	99	8	2.52
37618.0	25.0012 09	166.1427 04	33.3464 02	.188934 04	.764143 03	11.084034 02	.563E-5 12	6.890557	77	8	2.39
37620.0	34.7775 10	159.5731 05	33.3454 02	.188998 04	.932236 04	11.084062 02	.5303E-5 97	6.890001	63	8	2.34
37622.0	44.5463 22	153.0033 06	33.3442 02	.189061 04	.100395 07	11.084089 03	.481E-5 17	6.889454	65	8	3.21
37624.0	54.3191 17	146.4327 04	33.3435 01	.189126 03	.268587 06	11.084112 03	.3378E-5 72	6.888890	48	8	1.62
37626.0	64.0748 06	139.8625 06	33.3427 01	.189143 05	.436858 13	11.084139 06	.134E-5 13	6.888739	56	8	2.19
37628.0	73.8377 18	133.2904 05	33.3424 02	.189155 04	.605115 07	11.084148 03	.162E-5 13	6.888634	70	8	2.56
37630.0	83.5895 12	126.7181 06	33.3426 02	.189163 05	.773430 05	11.084159 02	.311E-5 13	6.888562	90	8	3.09
37632.0	93.3432 08	120.1469 05	33.3429 02	.189165 05	.941758 04	11.084172 02	.411E-5 10	6.888540	120	8	3.54
37634.0	103.0983 07	113.5750 05	33.3435 02	.189177 04	.110121 03	11.084190 02	.523E-5 11	6.888425	108	8	3.36
37636.0	112.8542 11	107.0038 06	33.3443 02	.189152 05	.278525 05	11.084218 02	.916E-5 10	6.888625	112	8	3.71
37638.0	122.6114 12	100.4320 07	33.3457 02	.189124 05	.447011 05	11.084247 02	.753E-5 10	6.888854	102	8	4.29
37640.0	132.3718 13	93.8610 07	33.3481 02	.189082 06	.615544 05	11.084261 02	.677E-5 12	6.889208	77	8	3.65
37642.0	142.1382 14	87.2942 07	33.3499 02	.188994 05	.784093 05	11.084282 03	.647E-5 13	6.889944	69	8	3.79
37644.0	152.9074 13	80.7264 06	33.3514 02	.188900 04	.952689 04	11.084309 02	.5908E-5 92	6.890733	69	8	3.38
37646.0	161.6783 17	74.1579 07	33.3531 02	.188807 06	.121330 06	11.084337 03	.621E-5 16	6.891515	53	8	3.13
37648.0	171.4503 23	67.5891 10	33.3546 03	.188740 07	.290023 07	11.084353 03	.439E-5 12	6.892074	50	8	3.89
37650.0	181.2364 26	61.0203 11	33.3571 03	.188660 07	.458710 08	11.084353 03	.270E-5 15	6.892751	47	8	4.06
37652.0	191.0333 32	54.4502 13	33.3600 04	.188578 07	.627388 09	11.084340 03	.108E-5 13	6.893458	42	8	3.83
37654.0	200.8263 16	47.8832 07	33.3611 02	.188504 03	.796080 04	11.084340 02	.812E-6 82	6.894088	43	8	2.31
37656.0	210.6211 23	41.3164 09	33.3621 03	.188426 04	.964770 07	11.084341 03	.86E-6 10	6.894745	58	8	3.21
37658.0	220.4217 25	34.7491 08	33.3627 03	.188356 04	.133449 07	11.084360 03	.259E-5 14	6.895331	88	8	3.94
37660.0	230.2159 24	28.1817 05	33.3639 03	.188300 03	.302169 07	11.084375 03	.444E-5 11	6.895802	112	8	3.54
37662.0	240.0072 22	21.6155 04	33.3647 03	.188260 03	.470931 07	11.084389 03	.478E-5 11	6.896138	126	8	3.50
37664.0	249.8025 21	15.0494 03	33.3652 03	.188234 02	.639720 06	11.084403 03	.4828E-5 82	6.896355	136	8	3.40

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37372.0	285.694 12	314.0698 06	47.2335 05	.010746 06	.515750 34	12.196485 16	.133E-5 14	7.886105	63	8	4.45
37374.0	292.003 14	307.8677 06	47.2333 06	.010774 07	.908765 37	12.196531 15	.128E-5 10	7.885862	60	8	4.75
37376.0	298.294 13	301.6653 05	47.2330 06	.010801 07	.301837 37	12.196556 14	.115E-5 15	7.885630	50	8	4.55
37378.0	304.581 16	295.4627 05	47.2324 05	.010836 07	.694922 43	12.196565 15	.67E-6 11	7.885349	49	8	4.59
37380.0	310.811 16	289.2594 04	47.2321 04	.010878 06	.088165 44	12.196607 16	-.98E-6 19	7.884996	39	8	3.72
37382.0	316.992 19	283.0569 04	47.2317 04	.010912 06	.481526 52	12.196683 14	.35E-6 10	7.884691	43	8	4.33
37384.0	323.140 16	276.8540 03	47.2317 02	.010962 04	.874973 44	12.196703 12	.2031E-5 87	7.884289	39	8	2.88
37386.0	329.305 22	270.6519 03	47.2312 03	.011016 05	.268380 59	12.196678 20	.203E-5 12	7.883871	31	8	3.30
37388.0	335.441 34	264.4494 07	47.2312 04	.011078 06	.661877 92	12.196779 25	.182E-5 14	7.883328	32	8	4.19
37390.0	341.549 34	258.2442 07	47.2299 05	.011148 06	.055461 93	12.196869 18	.166E-5 15	7.882731	27	8	3.94
37392.0	347.619 31	252.0401 07	47.2293 05	.011218 05	.449149 85	12.196935 21	.119E-5 17	7.882149	31	8	3.71
37394.0	350.629 30	245.8356 07	47.2298 05	.011290 05	.843000 83	12.196908 33	.97E-6 12	7.881582	29	8	2.91
37396.0	359.575 27	239.6343 06	47.2294 05	.011357 04	.237017 75	12.197031 14	.143E-5 14	7.880997	38	8	3.45
37398.0	5.438 26	233.4326 06	47.2295 05	.011414 04	.631260 72	12.197063 14	.1571E-5 88	7.880524	49	8	4.10
37400.0	11.324 28	227.2309 07	47.2300 05	.011482 04	.025439 77	12.197094 24	.231E-5 15	7.879976	46	8	4.04
37402.0	17.191 26	221.0281 07	47.2299 05	.011548 04	.419679 72	12.197135 17	.236E-5 12	7.879430	54	8	3.93
37404.0	22.994 26	214.8256 07	47.2300 04	.011610 04	.814099 72	12.197216 24	.1762E-5 87	7.878903	52	8	3.68
37406.0	28.838 28	208.6239 08	47.2302 04	.011668 04	.208412 77	12.197173 21	.152E-5 14	7.878453	39	8	3.60
37408.0	34.663 26	202.4226 07	47.2300 04	.011726 05	.602775 70	12.197204 18	.158E-5 11	7.877976	38	8	3.57
37410.0	40.453 30	196.2218 05	47.2297 05	.011782 05	.997237 81	12.197219 42	.66E-6 20	7.877531	35	8	3.75
37412.0	46.228 31	190.0218 08	47.2297 04	.011839 05	.391733 87	12.197345 19	.115E-5 12	7.877016	46	8	4.23
37414.0	51.881 29	183.8185 05	47.2301 03	.011877 05	.786570 79	12.197380 16	.157E-5 11	7.876703	58	8	4.39
37416.0	57.536 28	177.6163 05	47.2296 03	.011915 05	.181404 77	12.197454 25	.174E-5 10	7.876366	56	8	4.69
37418.0	63.217 27	171.4130 05	47.2295 03	.011954 05	.576177 75	12.197417 16	.182E-5 11	7.876071	56	8	4.86

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37420.0	68.876 36	165.2093 05	47.2294 04	.011979 07	.971019 97	12.197395 20	.172E-5 16	7.875884	50	8	4.94
37422.0	74.437 19	159.0062 04	47.2287 03	.011987 03	.366141 53	12.197332 20	.12E-6 14	7.875848	57	8	4.38
37424.0	80.195 22	152.8020 04	47.2287 03	.012001 03	.760719 59	12.197428 26	-.100E-5 14	7.875690	65	8	4.48
37426.0	85.868 27	146.5984 04	47.2283 03	.012014 02	.155523 73	12.197369 46	-.90E-6 12	7.875614	65	8	4.31
37428.0	91.490 27	140.3956 04	47.2281 03	.012021 02	.550453 75	12.197498 32	.50E-6 12	7.875502	69	8	5.15
37430.0	96.995 28	134.1935 04	47.2281 03	.012021 02	.945712 77	12.197554 32	.1572E-5 97	7.875478	72	8	4.64
37432.0	102.452 25	127.9917 04	47.2282 03	.012021 03	.341114 69	12.197419 26	.372E-6 85	7.875534	87	8	4.94
37434.0	108.147 18	121.7881 03	47.2287 02	.011998 03	.735875 49	12.197405 17	-.588E-6 83	7.875728	111	8	4.98
37436.0	113.808 17	115.5843 04	47.2290 03	.011975 03	.130730 47	12.197398 19	-.115E-5 12	7.875911	101	8	5.03
37438.0	119.437 18	109.3817 04	47.2291 03	.011948 04	.525661 49	12.197432 18	-.151E-5 10	7.876110	94	8	5.11
37440.0	125.097 20	103.1795 04	47.2297 03	.011911 04	.920502 55	12.197410 15	-.141E-5 11	7.876413	90	8	4.89
37442.0	130.743 26	96.9770 05	47.2296 03	.011875 05	.315375 72	12.197340 23	-.85E-6 13	7.876733	68	8	4.56
37444.0	136.465 31	90.7744 07	47.2297 03	.011827 05	.710042 87	12.197295 21	-.36E-6 11	7.877134	66	8	4.39
37446.0	142.268 29	84.5742 06	47.2305 02	.011763 05	.104493 80	12.197260 14	-.64E-6 10	7.877664	49	8	3.95
37448.0	147.978 34	78.3726 07	47.2309 03	.011716 06	.499207 93	12.197280 16	-.152E-5 11	7.878028	33	8	3.73
37450.0	153.780 23	72.1715 05	47.2315 02	.011643 04	.893666 64	12.197303 12	-.1967E-5 77	7.878596	26	8	2.12
37452.0	159.526 25	65.9682 05	47.2323 03	.011591 04	.288279 68	12.197202 15	-.2372E-5 84	7.879055	35	8	3.16
37454.0	165.403 23	59.7666 05	47.2323 04	.011522 04	.682522 64	12.197096 13	-.2126E-5 89	7.879650	40	8	3.31
37456.0	171.338 29	53.5645 07	47.2321 05	.011452 04	.076600 79	12.197010 28	-.161E-5 15	7.880249	34	8	3.19
37458.0	177.277 28	47.3621 07	47.2324 05	.011385 04	.470671 78	12.196989 20	-.862E-6 90	7.880790	35	8	3.21
37460.0	183.289 37	41.1606 06	47.2316 06	.011312 05	.86454 10	12.196971 14	-.66E-6 12	7.881382	33	8	3.18
37462.0	189.134 50	34.9604 10	47.2331 08	.011271 08	.25888 14	12.196944 29	-.111E-5 17	7.881716	29	8	3.26
37464.0	195.227 36	28.7557 07	47.2336 06	.011190 06	.652550 99	12.196907 24	-.179E-5 18	7.882378	48	8	4.19
37466.0	201.286 26	22.5531 05	47.2339 05	.011122 05	.046309 72	12.196858 18	-.213E-5 15	7.882944	53	8	3.96
37468.0	207.400 25	16.3508 05	47.2345 04	.011055 05	.439911 70	12.196775 17	-.191E-5 12	7.883514	53	8	3.86
37470.0	213.529 26	10.1486 04	47.2348 04	.010999 05	.833463 70	12.196728 15	-.124E-5 11	7.883985	66	8	4.30
37472.0	219.662 24	3.9465 03	47.2345 03	.010950 04	.227002 66	12.196694 16	-.13E-6 10	7.884390	61	8	4.21
37474.0	225.872 27	357.7440 04	47.2343 04	.010900 05	.620342 75	12.196658 24	.3E-7 13	7.884797	53	8	4.47
37476.0	232.066 33	351.5412 05	47.2338 05	.010865 06	.013735 89	12.196630 22	.8E-7 15	7.885094	45	8	4.57
37478.0											
37480.0											

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37482.0											
37484.0											
37486.0											
37488.0	269.821 20	314.3263 07	47.2341 07	.010735 06	.372455 56	12.196509 16	.111E-5 11	7.886182	58	8	4.29
37490.0	276.159 21	308.1244 07	47.2346 06	.010740 05	.765462 57	12.196547 22	.48E-6 11	7.886128	58	8	3.81
37492.0	282.414 19	301.9223 06	47.2340 04	.010758 05	.158701 52	12.196603 14	.26E-6 11	7.885960	59	8	3.93
37494.0	288.683 20	295.7210 07	47.2336 04	.010786 05	.551902 55	12.196594 15	.47E-6 11	7.885740	55	8	4.08
37496.0	294.957 19	289.5179 05	47.2322 03	.010819 04	.945094 51	12.196533 14	.35E-6 12	7.885503	60	8	3.95
37498.0	301.217 15	283.3169 04	47.2320 02	.010853 03	.338324 41	12.196597 12	-.393E-6 76	7.885198	89	8	3.85
37500.0	307.455 15	277.1152 03	47.2319 02	.010894 03	.731608 40	12.196671 12	.477E-6 92	7.884846	110	8	4.10
37502.0	313.678 13	270.9127 03	47.2319 02	.010934 03	.124935 34	12.196700 10	.1086E-5 64	7.884514	117	8	3.67
37504.0	319.815 14	264.7104 03	47.2319 02	.010983 03	.518504 38	12.196782 10	.1441E-5 75	7.884088	127	8	3.92
37506.0	325.987 19	258.5083 03	47.2316 02	.011032 03	.911989 51	12.196794 15	.1447E-5 78	7.883687	119	8	4.44
37508.0	332.148 25	252.3054 03	47.2311 03	.011084 04	.305513 69	12.196819 21	.67E-6 13	7.883267	96	8	4.40
37510.0	338.216 18	246.1025 03	47.2306 03	.011153 04	.699293 50	12.196819 12	.238E-6 71	7.882716	99	8	4.35
37512.0	344.329 17	239.8993 03	47.2298 03	.011223 04	.092949 47	12.196888 17	-.54E-6 11	7.882127	83	8	4.39
37514.0	350.371 21	233.6961 06	47.2292 04	.011282 08	.486787 58	12.197054 29	.95E-6 15	7.881581	68	8	6.66
37516.0	356.326 13	227.4941 04	47.2291 03	.011357 06	.880865 36	12.197061 15	.215E-5 10	7.880986	87	8	5.74
37518.0	2.262 13	221.2921 04	47.2290 03	.011441 05	.275006 35	12.197124 16	.222E-5 11	7.880289	80	8	5.25
37520.0	8.203 11	215.0896 04	47.2288 02	.011525 04	.669145 32	12.197040 12	.254E-6 75	7.879653	99	8	4.31
37522.0	14.160 11	208.8864 04	47.2284 02	.011593 03	.063241 32	12.197091 11	.222E-6 94	7.879087	105	8	4.20
37524.0	20.055 13	202.6827 04	47.2284 02	.011662 03	.457507 37	12.197203 13	-.21E-7 83	7.878493	105	8	4.28
37526.0	25.859 13	196.4790 04	47.2287 02	.011722 04	.852024 38	12.197267 11	-.250E-6 84	7.877987	102	8	4.30
37528.0	31.629 13	190.2763 04	47.2289 03	.011784 04	.246623 38	12.197336 10	.43E-7 90	7.877464	87	8	4.08
37530.0	37.394 13	184.0739 04	47.2291 02	.011847 04	.641231 38	12.197328 11	.954E-6 86	7.876959	82	8	3.66
37532.0	43.146 13	177.8713 04	47.2294 03	.011904 03	.035879 36	12.197314 15	.940E-6 96	7.876511	65	8	2.75
37534.0	48.890 13	171.6699 05	47.2301 02	.011949 04	.430553 38	12.197345 11	.50E-6 10	7.876138	61	8	3.00
37536.0	54.566 14	165.4678 05	47.2304 02	.011993 04	.825416 40	12.197408 11	-.54E-6 12	7.875765	47	8	2.69
37538.0	60.255 19	159.2654 06	47.2302 03	.012022 07	.220236 53	12.197402 15	-.54E-6 14	7.875533	38	8	3.25
37540.0	65.907 25	153.0633 08	47.2301 04	.012064 10	.615147 69	12.197479 12	.6E-7 13	7.875165	41	8	4.43
37542.0	71.534 17	146.8625 08	47.2291 03	.012086 07	.010126 47	12.197499 10	.127E-6 94	7.874982	53	8	3.55

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37544.0	77.185 17	140.6599 07	47.2291 04	.012103 06	.405043 46	12.197475 11	-.28E-6 10	7.874856	94	8	4.44
37546.0	82.813 13	134.4577 05	47.2292 03	.012115 04	.800018 35	12.197421 10	.391E-6 95	7.874787	122	8	3.97
37548.0	88.476 13	128.2557 04	47.2291 04	.012118 04	.194896 37	12.197438 11	.644E-6 93	7.874753	124	8	4.04
37550.0	94.080 15	122.0531 04	47.2287 04	.012115 05	.589944 43	12.197524 10	-.141E-6 85	7.874744	113	8	4.38
37552.0	99.717 15	115.8495 04	47.2287 04	.012114 04	.984903 42	12.197508 10	-.526E-6 93	7.874757	96	8	4.23
37554.0	105.339 17	109.6461 03	47.2286 05	.012102 05	.379901 47	12.197514 13	-.833E-6 89	7.874849	71	8	4.03
37556.0	110.969 17	103.4422 03	47.2299 03	.012087 04	.774867 47	12.197485 12	-.833E-6 90	7.874978	86	8	3.89
37558.0	116.605 17	97.2393 03	47.2306 02	.012059 04	.169812 48	12.197453 12	-.270E-6 84	7.875218	96	8	3.75
37560.0	122.268 17	91.0369 02	47.2312 02	.012027 03	.564681 49	12.197415 12	.91E-7 78	7.875487	94	8	3.57
37562.0	127.959 20	84.8342 02	47.2311 02	.011989 03	.959478 57	12.197399 12	.365E-6 77	7.875800	93	8	3.57
37564.0	133.666 26	78.6312 03	47.2311 02	.011946 04	.354233 74	12.197390 18	-.179E-6 98	7.876147	66	8	3.63
37566.0	139.473 41	72.4253 05	47.2305 03	.011900 04	.74872 12	12.197291 25	-.96E-6 12	7.876556	53	8	4.34
37568.0	145.411 71	66.2224 07	47.2296 06	.011852 06	.14283 20	12.197106 50	-.149E-5 15	7.877014	37	8	4.73
37570.0	151.293 67	60.0183 06	47.2288 08	.011804 05	.53709 19	12.197168 40	-.169E-5 16	7.877377	44	8	5.10
37572.0	157.080 49	53.8158 05	47.2305 06	.011737 03	.93160 14	12.197240 29	-.71E-6 11	7.877879	69	8	4.78
37574.0	162.843 33	47.6146 03	47.6146 03	.011671 02	.326186 94	12.197165 33	.639E-6 79	7.878439	100	8	3.53
37576.0	168.695 22	41.4125 03	47.2330 02	.011602 01	.720529 61	12.197080 23	.427E-6 71	7.879019	126	8	3.46
37578.0	174.587 19	35.2106 04	47.2336 02	.011537 01	.114770 54	12.197059 21	-.547E-6 64	7.879553	131	8	3.33
37580.0	180.531 17	29.0095 03	47.2345 02	.011469 01	.011469 48	12.197004 19	-.1561E-5 64	7.880117	130	8	3.12
37582.0	186.525 17	22.8069 03	47.2350 02	.011404 01	.902813 47	12.196921 19	-.1378E-5 63	7.880673	126	8	3.00
37584.0	192.579 18	16.6050 04	47.2353 02	.011339 01	.296589 49	12.196840 22	-.868E-6 68	7.881224	111	8	2.84
37586.0	198.681 19	10.4029 04	47.2355 02	.011272 01	.690230 54	12.196800 18	-.405E-6 59	7.881773	110	8	3.09
37588.0	204.778 23	4.2012 05	47.2355 02	.011209 01	.083884 64	12.196751 22	.405E-6 88	7.882300	80	8	3.06
37590.0	210.870 27	357.9993 06	47.2356 03	.011144 02	.477562 76	12.196751 22	.480E-6 86	7.882818	75	8	3.32
37592.0	217.051 34	351.7974 05	47.2357 04	.011088 02	.871002 94	12.196738 28	.7E-7 10	7.883268	70	8	3.49
37594.0	223.254 52	345.5956 06	47.2357 05	.011034 02	.26438 15	12.196535 47	-.26E-6 11	7.883784	62	8	3.77
37596.0	229.474 53	339.3931 05	47.2352 05	.010987 02	.65772 15	12.196529 37	-.55E-6 10	7.884163	66	8	3.65
37598.0	235.702 77	333.1907 08	47.2342 07	.010948 02	.05103 22	12.196587 52	-.57E-6 16	7.884449	41	8	3.69
37600.0	241.84 10	326.9875 10	47.2334 08	.010910 03	.44459 29	12.19674 11	-.117E-5 20	7.884687	29	8	3.16
37602.0	248.176 62	320.7858 08	47.2339 06	.010883 03	.83760 18	12.196617 44	.8E-7 15	7.884950	27	8	3.55

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37604.0	254.606 78	314.5848 09	47.2337 05	.010840 03	.23034 22	12.196597 72	.126E-5 16	7.885303	41	8	4.06
37606.0	260.846 45	308.3817 04	47.2336 04	.010830 02	.62364 13	12.196557 54	.77E-6 14	7.885401	63	8	4.33
37608.0	267.198 35	302.1788 03	47.2333 04	.010824 02	.016626 97	12.196436 41	.23E-6 14	7.885504	77	8	4.38
37610.0	273.532 35	295.9760 03	47.2336 04	.010823 02	.409669 99	12.196497 35	-.2E-7 12	7.885482	84	8	4.66
37612.0	279.853 41	289.7737 04	47.2337 05	.010833 02	.80275 11	12.196595 35	-.677E-6 97	7.885364	68	8	4.48
37614.0	286.279 51	283.5720 06	47.2332 06	.010841 03	.19552 14	12.196609 32	.8E-7 12	7.885294	56	8	4.26
37616.0	292.631 42	277.3710 05	47.2330 04	.010850 03	.58850 12	12.196586 24	.1278E-5 74	7.885227	47	8	2.77
37618.0	298.759 46	271.1680 06	47.2335 05	.010888 03	.98212 13	12.196625 32	.132E-5 11	7.884909	46	8	2.98
37620.0	304.982 44	264.9648 05	47.2340 05	.010927 03	.37548 12	12.196588 25	.1473E-5 91	7.884615	46	8	2.97
37622.0	311.188 47	258.7631 07	47.2348 07	.010968 03	.76890 13	12.196513 39	.67E-6 11	7.884325	44	8	3.40
37624.0	317.548 28	252.5580 05	47.2324 03	.011016 02	.161893 78	12.196682 21	-.147E-6 89	7.883869	46	8	2.60
37626.0	323.795 29	246.3552 05	47.2312 03	.011064 02	.555192 81	12.196753 26	.356E-6 80	7.883454	47	8	2.79
37628.0	329.960 27	240.1536 05	47.2309 03	.011120 02	.948719 75	12.196760 25	.1008E-5 96	7.883001	59	8	2.89
37630.0	336.095 20	233.9516 04	47.2306 02	.011182 01	.342329 57	12.196837 20	.1200E-5 70	7.882478	81	8	2.87
37632.0	342.162 20	227.7507 04	47.2307 02	.011247 01	.736134 57	12.196878 21	.1527E-5 65	7.881937	104	8	3.22
37634.0	348.217 18	221.5486 03	47.2306 01	.011313 01	.129983 50	12.196965 18	.1658E-5 69	7.881373	110	8	3.12
37636.0	354.248 19	215.3462 03	47.2306 02	.011381 01	.523906 54	12.196959 17	.1349E-5 63	7.880837	111	8	3.39
37638.0	.253 18	209.1440 02	47.2304 02	.011449 02	.917906 51	12.196975 16	.1080E-5 71	7.880291	113	8	3.40
37640.0	6.264 20	202.9421 03	47.2300 02	.011515 02	.311894 55	12.197017 20	.534E-6 79	7.879740	118	8	3.97
37642.0	12.219 18	196.7399 03	47.2297 02	.011587 02	.706034 52	12.197088 24	.684E-6 86	7.879138	121	8	4.21
37644.0	18.063 17	190.5369 03	47.2291 02	.011653 02	.100488 47	12.197222 15	.565E-6 71	7.878555	137	8	4.40
37646.0	23.885 17	184.3338 04	47.2289 02	.011720 02	.494998 47	12.197287 15	.1017E-5 75	7.877989	125	8	4.61
37648.0	29.617 13	178.1300 03	47.2285 02	.011799 03	.889771 36	12.197342 13	.1516E-5 66	7.877338	116	8	3.78
37650.0	35.388 11	171.9267 03	47.2283 02	.011844 03	.284434 32	12.197361 13	.1394E-5 72	7.876975	114	8	4.02
37652.0	41.123 12	165.7239 04	47.2279 02	.011896 04	.679205 33	12.197408 14	.582E-6 92	7.876534	98	8	4.10
37654.0	46.864 11	159.5203 04	47.2280 02	.011933 05	.073958 30	12.197412 11	-.229E-6 92	7.876237	92	8	4.46
37656.0	52.5613 97	153.3162 04	47.2281 03	.011967 05	.468827 27	12.197462 12	-.338E-6 82	7.875948	74	8	4.16
37658.0	58.255 11	147.1133 04	47.2292 03	.012011 05	.863701 30	12.197436 13	-.2E-8 93	7.875607	92	8	4.88
37660.0	63.9175 89	140.9104 03	47.2299 02	.012040 05	.258657 24	12.197472 09	.269E-6 80	7.875359	102	8	4.65
37662.0	69.5663 89	134.7079 04	47.2298 02	.012063 05	.653650 24	12.197489 13	.69E-6 14	7.875170	90	8	4.47
37664.0											

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37348.0	106.5406 20	165.7300 12	38.8615 03	.122108 10	.629919 05	12.159994 05	.5255E-4 96	7.011795	24	4	3.92
37350.0	116.0192 15	158.4475 07	38.8618 02	.121851 07	.950072 04	12.160142 04	.1642E-4 76	7.013791	36	4	3.49
37352.0	125.4986 16	151.1691 07	38.8613 02	.121618 07	.270395 04	12.160182 04	.2943E-4 83	7.015639	34	4	3.61
37354.0	134.9979 14	143.8904 06	38.8615 02	.121341 06	.590869 04	12.160292 03	.2612E-4 48	7.017805	36	4	3.47
37356.0	144.5026 17	136.6168 10	38.8619 03	.121061 05	.911528 04	12.160353 03	.1717E-4 45	7.020023	27	4	2.30
37358.0	154.0149 37	129.3426 20	38.8622 05	.120771 08	.232328 08	12.160460 07	.3709E-4 55	7.022297	22	4	4.36
37360.0	163.5584 34	122.0625 19	38.8655 05	.120480 09	.553364 08	12.160617 07	.3976E-4 44	7.024557	24	4	5.13
37362.0	173.0947 22	114.7879 10	38.8671 05	.120220 08	.874730 06	12.160737 04	.1740E-4 87	7.026594	20	4	3.54
37364.0	182.6197 30	107.5158 12	38.8650 09	.119987 12	.196273 10	12.160825 07	.560E-4 34	7.028418	24	4	4.98
37366.0	192.1650 14	100.2417 05	38.8686 03	.119687 04	.518117 04	12.161010 04	.2060E-4 43	7.030745	41	4	3.00
37368.0	201.7064 14	92.9719 04	38.8688 03	.119451 06	.840185 05	12.161080 04	.4284E-4 52	7.032605	52	4	3.60
37370.0	211.2627 19	85.7010 06	38.8680 04	.119222 06	.162530 06	12.161249 06	.1915E-4 58	7.034362	59	4	3.47
37372.0	220.8209 22	78.4277 07	38.8667 04	.118986 05	.485062 07	12.161297 06	.1419E-4 55	7.036228	59	4	2.58
37374.0	230.3658 14	71.1586 05	38.8668 03	.118756 05	.807745 05	12.161376 04	.2097E-4 38	7.038036	59	4	2.81
37376.0	239.9173 13	63.8889 10	38.8664 03	.118523 06	.130568 05	12.161440 05	.1458E-4 46	7.039871	52	4	3.34
37378.0	249.4679 11	56.6151 08	38.8662 02	.118344 05	.453517 04	12.161522 03	.3631E-4 49	7.041275	64	4	2.74
37380.0	259.0233 10	49.3471 05	38.8657 02	.118126 03	.776698 03	12.161654 03	.3295E-4 37	7.042963	84	4	2.86
37382.0	268.5781 17	42.0770 07	38.8643 02	.117924 05	.100151 05	12.161805 10	.3702E-4 47	7.044517	67	4	3.56
37384.0	278.1436 32	34.8069 09	38.8634 02	.117738 05	.423863 11	12.161944 09	.4969E-4 49	7.045945	47	4	3.08
37386.0	287.7066 11	27.5366 04	38.8585 02	.117571 04	.747990 03	12.162225 04	.10503E-3 47	7.047175	38	4	2.53
37388.0	297.2508 30	20.2681 08	38.8623 03	.117389 07	.072902 10	12.162612 09	.7596E-4 54	7.048481	50	4	3.61

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37390.0	306.795 24	13.0002 18	38.8618 06	.117234 16	.398424 83	12.162977 81	.7693E-4 63	7.049571	49	4	4.32
37392.0	316.367 17	5.7313 12	38.8614 05	.117095 11	.724463 59	12.163145 33	.7235E-4 67	7.050622	55	4	3.86
37394.0	325.9509 19	358.4557 07	38.8606 04	.116980 04	.051031 05	12.163417 06	.3121E-4 71	7.051435	62	4	3.41
37396.0	335.5091 17	351.1962 06	38.8598 03	.116881 04	.377969 05	12.163538 04	.3254E-4 43	7.052178	58	4	3.17
37398.0	345.0623 21	343.9281 05	38.8596 04	.116802 05	.705170 07	12.163660 05	.2981E-4 48	7.052762	49	4	3.26
37400.0	354.6122 27	336.6613 06	38.8589 04	.116730 06	.032610 08	12.163777 06	.2315E-4 47	7.053289	48	4	4.12
37402.0	4.1590 23	329.3953 06	38.8581 04	.116659 04	.360231 07	12.163832 05	.721E-5 39	7.053835	43	4	3.56
37404.0	13.6905 35	322.1284 10	38.8567 06	.116616 07	.687987 11	12.163940 12	.5083E-4 80	7.054139	41	4	5.91
37406.0	23.2152 33	314.8617 07	38.8553 05	.116531 07	.016117 10	12.164116 12	.237E-4 11	7.054748	40	4	4.50
37408.0	32.7336 25	307.5958 04	38.8533 04	.116456 06	.344463 08	12.164225 08	.2164E-4 56	7.055301	40	4	3.80
37410.0	42.2300 20	300.3230 04	38.8521 03	.116403 05	.673039 06	12.164334 05	.2012E-4 41	7.055687	47	4	3.35
37412.0	51.7258 27	293.0651 06	38.8505 04	.116319 06	.001774 08	12.164408 07	.3046E-4 65	7.056327	43	4	3.45
37414.0	61.2325 33	285.7994 09	38.8492 05	.116222 06	.330710 10	12.164546 07	.3931E-4 49	7.057050	49	4	3.61
37416.0	70.731 11	278.5319 14	38.8477 14	.116115 09	.659993 37	12.164744 42	.4723E-4 60	7.057823	49	4	3.87
37418.0	80.205 10	271.2628 11	38.8461 04	.115943 09	.989739 36	12.164856 24	.3710E-4 60	7.059158	46	4	3.25
37420.0	89.7288 57	263.9950 13	38.8459 04	.115817 10	.319615 21	12.165008 37	.3620E-4 47	7.060101	39	4	3.16
37422.0	99.2030 42	256.7287 10	38.8457 04	.115609 07	.649959 12	12.165155 10	.2863E-4 79	7.061706	27	4	3.31
37424.0	108.7263 29	249.4620 06	38.8447 03	.115428 06	.980365 08	12.165276 07	.2529E-4 51	7.063109	30	4	3.07
37426.0	118.2180 27	242.1979 07	38.8458 03	.115283 05	.311078 08	12.165407 08	.3462E-4 57	7.064211	55	4	4.53
37428.0	127.7300 26	234.9343 05	38.8464 02	.115105 04	.641997 08	12.165469 06	.811E-5 41	7.065607	70	4	3.77
37430.0	137.2504 38	227.6700 07	38.8475 03	.114912 05	.972969 12	12.165482 10	.101E-4 16	7.067150	46	4	3.92
37432.0	146.7801 27	220.4072 06	38.8489 02	.114733 04	.304020 08	12.165598 08	.316E-4 10	7.068527	49	4	3.45
37434.0	156.3075 15	213.1447 04	38.8495 02	.114565 02	.635321 05	12.165706 04	.2742E-4 30	7.069834	75	4	3.27
37436.0	165.8449 15	205.8824 03	38.8498 01	.114387 02	.966821 05	12.165809 03	.3347E-4 25	7.071210	73	4	2.70
37438.0	175.3910 18	198.6205 04	38.8502 02	.114211 02	.298558 06	12.165919 05	.3762E-4 33	7.072571	85	4	3.31
37440.0	184.9449 12	191.3587 03	38.8503 02	.114055 01	.630585 04	12.166127 03	.6539E-4 25	7.073739	92	4	2.57
37442.0	194.5144 17	184.0952 04	38.8500 02	.113891 02	.963087 06	12.166421 05	.8314E-4 42	7.074936	133	4	4.34
37444.0	204.0716 25	176.8303 05	38.8500 02	.113759 04	.296294 09	12.166781 08	.8186E-4 93	7.075846	106	4	4.53
37446.0	213.6398 31	169.5663 08	38.8473 03	.113607 05	.630140 10	12.167047 10	.7674E-4 94	7.076963	45	4	3.96
37448.0	223.2045 15	162.3035 04	38.8463 02	.113470 04	.964617 05	12.167392 05	.6507E-4 61	7.077922	49	4	2.72
37450.0	232.7572 23	155.0363 04	38.8463 01	.113316 05	.299658 08	12.167636 07	.6699E-4 48	7.079051	73	4	2.96

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37452.0	242.3040 22	147.7706 04	38.8464 01	.113165 04	.635250 08	12.167936 07	.6791E-4 29	7.080145	107	4	3.19
37454.0	251.8576 13	140.5050 02	38.8467 01	.113017 02	.971363 05	12.168159 04	.5869E-4 24	7.081236	213	4	2.61
37456.0	261.4169 09	133.2397 02	38.8468 01	.112861 02	.307927 03	12.168403 03	.5602E-4 21	7.082390	229	4	2.69
37458.0	270.9674 03	125.9735 01	38.8468 00	.112713 01	.644967 01	12.168625 01	.37847E-4 94	7.083489	124	4	.95
37460.0	280.5180 03	118.7081 01	38.8462 00	.112568 01	.813609 01	12.168681 01	.1987E-4 11	7.084126	106	4	.74
37462.0	290.0684 13	111.4436 05	38.8450 02	.112425 05	.319703 04	12.168695 03	-.104E-5 42	7.085755	62	4	3.35
37464.0	299.6258 11	104.1805 04	38.8447 02	.112280 04	.657071 03	12.168684 04	-.273E-5 41	7.086919	94	4	3.27
37466.0	309.1745 13	96.9186 04	38.8439 02	.112163 03	.994450 04	12.168712 03	.1158E-4 41	7.087846	87	4	3.07
37468.0	318.7316 54	89.6569 06	38.8433 03	.112047 06	.331882 18	12.168728 17	.1399E-4 86	7.088760	44	4	2.80
37470.0	328.2799 35	82.3947 08	38.8431 05	.111935 06	.669470 10	12.168841 11	.247E-4 11	7.089611	39	4	2.70
37472.0	337.8366 23	75.1338 08	38.8430 04	.111845 07	.007254 07	12.168989 06	.5486E-4 56	7.090271	29	4	3.24
37474.0	347.3561 42	67.8769 10	38.8409 04	.111744 09	.345521 10	12.169191 05	.1387E-4 51	7.091002	19	4	2.69
37476.0	356.9240 39	60.6151 10	38.8412 04	.111718 09	.683833 11	12.169191 08	.302E-5 45	7.091212	21	4	2.92
37478.0	6.4652 46	53.3542 14	38.8404 07	.111653 08	.022224 12	12.169202 11	-.86E-5 15	7.091724	22	4	3.87
37480.0											
37482.0	25.5259 11	38.8345 03	38.8391 01	.111539 02	.698965 04	12.169133 06	-.218E-4 29	7.092656	194	4	1.71
37484.0	35.0516 07	31.5778 01	38.8389 01	.111515 01	.037215 02	12.169110 03	-.1186E-4 71	7.092857	229	4	1.74
37486.0	44.5633 08	24.3202 01	38.8381 01	.111458 02	.375437 02	12.169112 03	.426E-5 55	7.093317	96	4	1.33
37488.0	54.0695 14	17.0635 02	38.8368 03	.111413 02	.713697 05	12.169138 03	-.161E-5 45	7.093668	91	4	1.57
37490.0	63.5714 18	9.8043 03	38.8349 02	.111363 03	.051964 06	12.169129 06	.332E-5 33	7.094068	61	4	1.54
37492.0	73.0706 25	2.5461 07	38.8341 04	.111265 04	.390273 08	12.169172 07	.1384E-4 48	7.094836	63	4	3.23
37494.0	82.5757 34	355.2862 10	38.8343 05	.111131 05	.728689 11	12.169282 07	.6271E-4 82	7.095858	62	4	3.44
37496.0	92.0767 42	348.0273 13	38.8339 05	.111003 06	.067575 13	12.169581 10	.4722E-4 68	7.096768	33	4	3.84
37498.0	101.5662 49	340.7668 18	38.8328 06	.110857 08	.406908 16	12.169715 15	.596E-4 13	7.097882	38	4	4.91
37500.0	111.0605 29	333.5127 06	38.8344 03	.110722 04	.746680 08	12.169997 08	.5675E-4 66	7.098846	76	4	3.37
37502.0	120.5789 23	326.2554 05	38.8346 02	.110578 03	.086842 07	12.170159 06	.4298E-4 50	7.099933	95	4	3.55
37504.0	130.1089 32	318.9984 07	38.8347 03	.110421 04	.427304 09	12.170298 08	.3486E-4 71	7.101129	58	4	4.44
37506.0	139.6379 44	311.7423 08	38.8354 04	.110258 04	.768049 13	12.170424 12	.366E-4 11	7.102387	39	4	3.87
37508.0	149.1595 35	304.4878 06	38.8367 03	.110108 04	.109171 10	12.170706 08	.5819E-4 56	7.103472	37	4	3.48
37510.0	158.6933 38	297.2317 06	38.8373 02	.109951 03	.450692 11	12.170786 10	.1824E-4 44	7.104695	35	4	3.26

T (MJD)	ω		Ω		i		e		M		n		n'/2		q	N	D	σ
37512.0	168.2437	32	289.9763	05	38.8375	02	.109799	02	.792329	10	12.170840	08	.1214E-4	91	7.105887	71	4	2.51
37514.0	177.8007	09	282.7209	01	38.8383	01	.109654	01	.134090	03	12.170960	03	.3504E-4	17	7.107001	136	4	1.77
37516.0	187.3673	20	275.4649	03	38.8393	01	.109524	02	.476095	06	12.171063	04	.2981E-4	25	7.107996	177	4	3.45
37518.0	196.9187	22	268.2078	03	38.8389	02	.109412	02	.818399	07	12.171172	05	.3423E-4	27	7.108844	113	4	2.83
37520.0	206.4881	29	260.9526	05	38.8383	02	.109268	03	.160914	10	12.171330	07	.5532E-4	47	7.109932	87	4	3.87
37522.0	216.0601	37	253.6959	07	38.8372	03	.109140	03	.503868	12	12.171604	10	.7842E-4	55	7.110851	93	4	5.38
37524.0	225.6364	43	246.4267	07	38.8363	03	.109020	05	.847430	15	12.171935	14	.7572E-4	69	7.111680	89	4	5.50
37526.0	235.2161	41	239.1787	05	38.8365	03	.108896	05	.191591	14	12.172233	11	.8099E-4	66	7.112548	98	4	5.15
37528.0	244.8023	34	231.9208	05	38.8368	02	.108760	05	.536365	12	12.172540	11	.7493E-4	47	7.113522	126	4	4.99
37530.0	254.3858	26	224.6626	05	38.8366	02	.108602	05	.881747	09	12.172851	08	.7842E-4	49	7.114656	114	4	4.76
37532.0	263.9583	16	217.4048	04	38.8362	02	.108468	03	.227782	05	12.173167	06	.5761E-4	59	7.115601	107	4	3.75
37534.0	273.5326	18	210.1470	04	38.8355	02	.108347	04	.574271	06	12.173306	04	.2563E-4	46	7.116518	100	4	3.56
37536.0	283.1081	21	202.8888	04	38.8339	02	.108225	04	.920959	07	12.173373	06	.1200E-4	38	7.117467	84	4	3.96
37538.0	292.6857	19	195.6313	04	38.8337	02	.108115	03	.267735	06	12.173391	06	.1020E-4	36	7.118333	80	4	3.44
37540.0	302.2689	34	188.3749	07	38.8332	03	.108025	05	.614567	10	12.173421	07	.93E-6	71	7.119042	58	4	4.02
37542.0	311.8485	47	181.1190	08	38.8314	03	.107938	06	.961442	14	12.173494	14	.1513E-4	94	7.119704	62	4	5.07
37544.0	321.4191	39	173.8626	06	38.8305	02	.107873	05	.308466	11	12.173522	10	.876E-5	39	7.120213	67	4	3.80
37546.0	330.9942	26	166.6070	05	38.8297	02	.107832	03	.655548	07	12.173560	06	.647E-5	32	7.120529	78	4	3.23
37548.0	340.5647	21	159.3519	04	38.8290	02	.107806	02	.002697	06	12.173590	05	.1629E-4	28	7.120725	123	4	3.57
37550.0	350.1414	24	152.0967	05	38.8285	02	.107790	03	.349960	07	12.173683	06	.2413E-4	46	7.120813	108	4	3.74
37552.0	359.7171	35	144.8426	05	38.8281	03	.107784	03	.697427	10	12.173818	07	.4366E-4	38	7.120811	63	4	3.41
37554.0	9.2839	39	137.5884	05	38.8272	03	.107784	03	.045261	11	12.174020	09	.5126E-4	40	7.120726	80	4	3.81
37556.0	18.8410	39	130.3331	05	38.8265	03	.107788	03	.393530	12	12.174249	09	.5446E-4	47	7.120607	84	4	4.14
37558.0	28.3812	39	123.0774	06	38.8258	04	.107810	04	.742290	12	12.174503	10	.5456E-4	54	7.120333	66	4	4.21
37560.0	37.9206	32	115.8221	06	38.8261	03	.107829	03	.091494	10	12.174714	08	.5060E-4	52	7.120100	83	4	4.08
37562.0	47.4527	36	108.5669	04	38.8260	03	.107846	03	.441118	11	12.174912	09	.3901E-4	41	7.119887	82	4	3.65
37564.0	56.9743	42	101.3110	04	38.8253	03	.107849	03	.791082	13	12.175056	10	.2920E-4	44	7.119808	65	4	3.48
37566.0	66.4917	35	94.0543	04	38.8243	03	.107834	03	.141295	11	12.175158	09	.3076E-4	50	7.119885	63	4	3.42
37568.0	76.0008	24	86.7974	04	38.8232	02	.107798	03	.491781	07	12.175328	07	.3486E-4	53	7.120109	57	4	3.03
37570.0	85.4965	50	79.5391	08	38.8229	03	.107741	08	.842593	17	12.175477	20	.2877E-4	98	7.120507	27	4	2.49
37572.0	95.0031	15	72.2832	02	38.8226	02	.107642	04	.193586	05	12.175532	05	.4248E-4	54	7.121270	18	4	.88

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37574.0	104.5092 37	65.0266 08	38.8219 04	.107508 07	.544927 12	12.175840 08	.5548E-4 77	7.122220	55	4	4.70
37576.0	114.0082 33	57.7684 07	38.8220 03	.107384 04	.896745 11	12.175939 09	.3302E-4 71	7.123173	86	4	4.60
37578.0	123.5222 28	50.5125 05	38.8222 03	.107241 03	.248766 09	12.176081 07	.4127E-4 47	7.124261	86	4	4.46
37580.0	133.0482 35	43.2571 07	38.8226 04	.107084 05	.601085 11	12.176234 10	.4584E-4 50	7.125453	70	4	5.31
37582.0	142.5829 27	36.0022 04	38.8235 02	.106904 03	.953749 08	12.176416 08	.4746E-4 41	7.126822	82	4	3.69
37584.0	152.1216 26	28.7477 04	38.8243 02	.106732 02	.306788 07	12.176623 07	.421E-5 39	7.128112	95	4	3.43
37586.0	161.6687 24	21.4923 04	38.8248 04	.106558 02	.660305 07	12.176884 05	.5800E-4 33	7.129398	67	4	2.80
37588.0	171.2258 22	14.2369 04	38.8252 01	.106386 02	.014260 06	12.177061 05	.3753E-4 28	7.130698	72	4	2.46
37590.0	180.7910 24	6.9810 05	38.8262 02	.106221 02	.368498 07	12.177177 05	.3111E-4 37	7.131968	59	4	2.66
37592.0	190.3768 41	359.7252 07	38.8279 03	.106081 03	.722935 12	12.177272 10	.3890E-4 53	7.133050	59	4	3.91
37594.0	199.9632 40	352.4715 07	38.8284 03	.105945 03	.077672 12	12.177445 09	.3604E-4 39	7.134066	74	4	3.83
37596.0	209.5383 48	345.2162 11	38.8274 03	.106078 04	.432736 15	12.177552 10	.2889E-4 45	7.135029	65	4	3.78
37598.0	219.1478 48	337.9624 10	38.8276 04	.105699 03	.787935 14	12.177646 11	.3599E-4 66	7.135956	54	4	3.67
37600.0	228.7609 59	330.7081 08	38.8285 06	.105593 03	.143416 18	12.177845 15	.7878E-4 92	7.136722	32	4	3.77
37602.0	238.3720 67	323.4541 07	38.8302 06	.105498 04	.499538 21	12.178285 26	.550E-4 12	7.137306	21	4	3.38
37604.0	247.9683 45	316.2005 04	38.8297 04	.105418 02	.856206 13	12.178390 10	.2660E-4 51	7.137908	28	4	2.73
37606.0	257.5686 57	308.9467 04	38.8294 03	.105342 02	.213081 16	12.178458 13	.2976E-4 43	7.138485	49	4	3.04
37608.0	267.1951 38	301.6915 03	38.8289 03	.105282 02	.570113 11	12.178579 12	.3158E-4 38	7.138918	68	4	3.29
37610.0	276.8073 49	294.4373 06	38.8283 04	.105241 03	.927436 14	12.178744 10	.4619E-4 64	7.139176	60	4	3.51
37612.0	286.4188 43	287.1826 06	38.8282 04	.105206 02	.285137 12	12.178960 08	.5118E-4 41	7.139378	60	4	3.25
37614.0	296.0330 28	279.9278 08	38.8278 04	.105181 02	.643236 08	12.179138 07	.4483E-4 66	7.139504	58	4	2.58
37616.0	305.6398 30	272.6714 08	38.8269 03	.105172 02	.001720 09	12.179341 09	.4813E-4 32	7.139494	44	4	2.52
37618.0	315.2559 37	265.4167 08	38.8257 03	.105179 02	.360555 11	12.179508 07	.4335E-4 78	7.139374	42	4	2.83
37620.0	325.8758 54	258.1609 09	38.8243 03	.105210 02	.719715 17	12.179669 15	.399E-4 12	7.139062	40	4	3.21
37622.0	334.4576 56	250.9017 08	38.8253 03	.105270 02	.079322 17	12.179858 09	.5396E-4 55	7.138510	44	4	3.24
37624.0	344.0666 41	243.6450 06	38.8245 02	.105350 02	.439268 12	12.180083 10	.4612E-4 54	7.137789	42	4	2.74
37626.0	353.6652 48	236.3886 05	38.8234 02	.105434 02	.799629 14	12.180300 14	.4896E-4 42	7.137030	30	4	2.40
37628.0	3.2387 58	229.1316 06	38.8224 02	.105536 03	.160451 17	12.180497 13	.5458E-4 41	7.136139	44	4	3.08
37630.0	12.8216 40	221.8736 05	38.8215 02	.105660 02	.521675 12	12.180750 12	.6169E-4 56	7.135050	62	4	3.23
37632.0	22.3793 29	214.6144 04	38.8211 02	.105785 02	.883463 09	12.181031 09	.6331E-4 44	7.133945	88	4	3.39

T (MJD)	ω	Ω	i	e	M	n	n'/2	q	N	D	σ
37634.0	31.9293 27	207.3542 04	38.8208 02	.105909 02	.245778 09	12.181305 07	.8885E-4 37	7.132848	112	4	4.14
37636.0	41.4665 21	200.0939 04	38.8201 02	.106031 02	.608847 07	12.181756 07	.10956E-3 43	7.131699	102	4	3.76
37638.0	51.0004 29	192.8319 05	38.8183 03	.106137 03	.972781 10	12.182099 07	.6519E-4 73	7.130719	85	4	4.42
37640.0	60.5269 27	185.5678 04	38.8163 02	.106221 03	.337284 09	12.182381 09	.6806E-4 43	7.129940	92	4	3.76
37642.0	70.0400 27	178.3019 04	38.8150 02	.106267 03	.702363 09	12.182644 09	.5390E-4 63	7.129470	82	4	3.74
37644.0	79.5242 32	171.0363 06	38.8143 02	.106285 03	.067981 11	12.182895 09	.5844E-4 70	7.129224	49	4	3.40
37646.0	89.0189 29	163.7695 07	38.8151 02	.106259 04	.434035 10	12.183131 09	.5061E-4 56	7.129340	60	4	4.13
37648.0	98.5246 28	156.5020 06	38.8154 02	.106193 04	.800466 10	12.183290 08	.4723E-4 64	7.129807	72	4	4.58
37650.0	108.0364 32	149.2356 06	38.8156 03	.106091 05	.167241 11	12.183475 11	.4566E-4 85	7.130548	74	4	4.94
37652.0	117.5520 38	141.9688 05	38.8164 03	.105978 05	.534362 13	12.183618 10	.3795E-4 65	7.131394	64	4	4.33
37654.0	127.0732 38	134.7034 06	38.8179 03	.105834 05	.901764 12	12.183760 09	.2654E-4 55	7.132492	59	4	4.60
37656.0	136.5981 36	127.4404 05	38.8193 03	.105665 05	.269371 11	12.183829 13	.2083E-4 65	7.133810	73	4	4.59
37658.0	146.1298 35	120.1785 04	38.8199 02	.105498 04	.637126 11	12.183916 08	.2071E-4 39	7.135107	64	4	3.62
37660.0	155.6754 26	112.9162 04	38.8199 01	.105320 03	.005006 08	12.183972 07	.2338E-4 34	7.136503	67	4	2.76
37662.0	165.2350 21	105.6542 04	38.8201 01	.105134 02	.373037 06	12.184071 06	.2850E-4 37	7.137954	81	4	2.83
37664.0	174.8032 29	98.3927 06	38.8207 02	.104956 03	.741268 09	12.184163 08	.1780E-4 41	7.139332	57	4	2.77

NOTICE

This series of Special Reports was instituted under the supervision of Dr. F. L. Whipple, Director of the Astrophysical Observatory of the Smithsonian Institution, shortly after the launching of the first artificial earth satellite on October 4, 1957. Contributions come from the Staff of the Observatory. First issued to ensure the immediate dissemination of data for satellite tracking, the Reports have continued to provide a rapid distribution of catalogues of satellite observations, orbital information, and preliminary results of data analyses prior to formal publication in the appropriate journals.

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