Alter Orient und Altes Testament
Sonderreihe

Veröffentlichungen zur Kultur und Geschichte des Alten Orients

Herausgeber

Kurt Bergerhof · Manfried Dietrich · Oswald Loretz

1971

Verlag Butzon & Bercker Kevelaer

Neukirchener Verlag des Erziehungsvereins Neukirchen-Vluyn

Solar and Lunar Eclipses
of the Ancient Near East from 3000 B. C. to 0 with Maps

by

Manfred Kudlek - Erich H. Mickler

1971

Verlag Butzon & Bercker Kevelaer

Neukirchener Verlag des Erziehungsvereins Neukirchen-Vluyn

ISBN 3 7666 8531 7 Verlag Butzon & Bercker Kevelaer.
ISBN 3 7887 0302 4 Neukirchener Verlag des Erziehungsvereins Neukirchen-Vluyn.

© 1971 Verlag Butzon & Bercker Kevelaer.
Neukirchener Verlag des Erziehungsvereins Neukirchen-Vluyn.
Alle Rechte vorbehalten.
Herstellung: Butzon & Bercker Kevelaer.

Lick
Obs
QB
175
K83

Preface

1. *Introduction*

The present work resultet from a similar one for Mesoamerica.[1] Various computer programs have been written to consider astronomical tables in Maya manuscripts and chronological problems. As the problems are of interest for other regions, too, the programs have been written in such a general version as to use them for any given place on earth and any interval of time (between 3500 B.C. and 2500 A.D.). Of course, the reliability of computation decreases going back in time.

The programs have been written in FORTRAN IV and have been run on a system IBM 360/75 or 380/65 respectively. The following programs have been written

1. program to compute all solar eclipses visible at a given place during a given interval of time with a subroutine to compute the zones of centrality for eclipses larger than a given magnitude at the place given, around the place given
2. program to compute all lunar eclipses at a given place during a given interval of time
3. program to compute the points of beginning and end respectively for the centrality zones of those solar eclipses which are near sunrise and sunset at the place given.

The maps and curves of the central zone were drawn by E.H. Mickler.

2. *Methods*

Regarding the special purpose, namely to compute a large number of eclipses to solve historical problems, the highest precision possible for computation has not been chosen. This would merely have been of insignificant importance, but would have demanded a much larger amount in storage and computing time. Therefore a method has been chosen already used by Oppolzer to compute his Canon 1), 2). Improved basic values have been used chosing those of Schoch 3) with a correction made by Neugebauer 4). By that the secular accelerations have been considered.

The authors cited used eclipse cycles of 10572 days. For corrections sometimes another cycle (Saros) of 6585 days has been inserted.

To compute the parameters of a single eclipse the method described in the introduction of Oppolzer's Canon has been used.

---

[1] M. Kudlek, G. Zimmermann, Finsternisse in Mesoamerika und die Dresdner Maya-Handschrift.

3. *Description of Tables and Maps*

3.1 Tables of solar eclipses

For the following important places in the Near East solar eclipses have been computed (abbreviations in parenthesis):

Persepolis (P), Babylon (B), Ninive (N), Hattusa (H), Jerusalem (J), Memphis (M), Thebes (T).

Besides these places there have been computed solar eclipses also for Mari (about the center of the region), Susa, and Bahrain (Dilmun). These places, however, are not listed in the tables. They only have been used for completion of the maps.

The meaning of the symbols used in the tables are the following:

CM, CY, CD — date of eclipse in Christian years, months, and days where the Julian Calendar is used including a year 0 (= 1 B.C.); negative years correspond to the usual years plus 1, i.e., -1356 = 1357 B.C. The positive years remain unchanged.

JDN — time of true conjunction of moon (new moon) in Julian days and fractional parts of these. The Julian day number is a counting of days, elapsed from Jan 1, 4713 B.C. 12^h GMT (Greenwich Mean Time), i.e., March 1, 1971, 18^h GMT = 2441012.25. This counting of time is very useful in conversions of different calendars.

L — solar length at true conjunction (in °).

P — distance of Moon from the ascending node at true conjunction (in °).

PMA — maximal magnitude of solar eclipse.
As the apparent solar diameter is being somewhat smaller than the lunar one values up to 1.01 may occur.
An asterisk * at the value of TM denotes the magnitude of occultation at sunrise or sunset respectively.

TB, TM, TE — beginning, middle, and end of occultation in true local time in hours and fractional parts of them. As asterisk * always declares that time to denote sunrise or sunset respectively.

3.2 Maps of solar eclipses

Around Mari there have been computed six points each for the northern and southern limit of the centrality zones. Occasionally the same procedure for other places has been used for completion. Total eclipses are denoted by drawn out lines, annular ones by dotted lines.

For identification the curves have been given their Julian day numbers (taking only the integer part). The more or less vertical lines connect points at which the middle of occultation occurs at same local times. Unless otherwise denoted the vertical lines are at a distance of $^1/_3$ ^{h} (increasing towards the east). Most curves only have one value of time being at one line. In some cases the eastern-most line has a second value of time.

The places on the maps are denoted by the abbreviations from 3.1. In addition there are the places Susa (S), Ur (U), Ugarit (Ug), and Mari included.

3.3. Tables of lunar eclipses

These tables are very similar to those of the solar eclipses. The values JDN, L, P are for true oppositions (full moon).

Since no records of lunar eclipses from Egypt are existing, lunar eclipses have been computed for Babylon only. The other places (except Hattusa) nearly have the same geographical longitude. Therefore nearly the same conditions of visibility are given for them.

The diameter of the earth's shadow at moon distance being very much larger than that of the moon the value of maximal occultation may take values up to 1.9. If PMA < 1 the eclipse is partial, otherwise total (PMA ⩾ 1). The value TR to TS are given in true local time, in hours and fractional parts thereof.

TR	moonrise
TPB	beginning of partial occultation
TTB	beginning of total occultation
TM	middle of eclipse
TTE	end of total occultation
TPE	end of partial occultation
TS	moonset

If there is any of the times TPB to TPE before moonrise or after moonset respectively that value is given in parenthesis.

Of course the times TTB and TTE don't exist for partial eclipses.

4. *References and Acknowledgments*

1. Oppolzer, Syzygien-Tafeln für den Mond
Publ. Astr. Gesellschaft XVI, Leipzig 1881
2. Oppolzer, Canon der Finsternisse, Wien 1887
Transl.: Canon of Eclipses, Dover Publ., New York, 1962
3. C. Schoch, Die Neubearbeitung der Syzygientafeln von Oppolzer
Mitteilungen des Astr. Recheninstituts Berlin-Dahlem 2,2, Kiel 1928
4. P.V. Neugebauer, Die verbesserten Syzygientafeln von C. Schoch
Astr. Abhandlungen 8,2.

The work for Mesoamerica has not yet been published. It contains more information on methods and theory used. Its preliminary title is:

M. Kudlek, G. Zimmermann, Finsternisse in Mesoamerika und die Dresdner Maya-Handschrift.

Thanks are due to Prof. Dr. G. Zimmermann who gave the initial impulse to write the programs.

The author (M. Kudlek) will give further information in methods and programs if required (recent address: Institut für Informatik, D 2000 Hamburg 50, Luruper Chaussee 149).

The authors (M. Kudlek and E.H. Mickler) are indebted to the editors of the series "Alter Orient und Altes Testament – Sonderreihe", especially to M. Dietrich for the possibility of publication.

Hamburg M. Kudlek, E.H. Mickler

Table of Contents

Preface V

Table of contents IX

Part I: Solar eclipses for Persepolis, Babylon, Ninive, Hattusa, Jerusalem, Memphis, and Thebes 1

1. Solar eclipses for Persepolis (-1015 – 59) 3
2. Solar eclipses for Babylon (-2972 – 59) 13
3. Solar eclipses for Ninive (-1510 – -489) 33
4. Solar eclipses for Hattusa (-2012 – -489) 43
5. Solar eclipses for Jerusalem (-2012 – 59) 55
6. Solar eclipses for Memphis (-2972 – 59) 71
7. Solar eclipses for Thebes (-2972 – 59) 91

Part II: Lunar eclipses 111

Part III: Maps 159

Part I

Solar Eclipses

for

Persepolis, Babylon, Ninive,

Hattusa, Jerusalem,

Memphis, and Thebes

1. Solar Eclipses for Persepolis (-1015 – 59)

CY	CM	CD	JDN	L	P	PMA	TB	TM	TF
-1015	7	22	1350531.6885	108.456	358.616	0.09	6.25	6.68	7.10
-1014	7	11	1350886.0798	97.986	7.116	0.72	18.14	19.02*	
-1011	5	9	1351919.0883	38.160	2.131	0.04	18.61	18.61*	
-1010	4	29	1352273.7479	28.077	10.883	0.49	7.64	8.58	9.52
-1008	9	1	1353129.7200	148.910	176.806	0.53	6.25	7.22	8.19
-1007	2	26	1353307.6922	328.403	6.079	0.52	6.43*	6.66	7.78
-1006	2	15	1353661.6917	317.324	13.630	0.14		6.58*	7.18
-1005	7	2	1354163.9335	89.049	171.773	0.16	14.95	15.70	16.46
-1004	6	20	1354517.9931	78.354	179.776	0.35	16.07	17.02	17.97
-1001	4	20	1355551.7549	19.326	175.640	0.64	7.89	9.00	10.11
-1000	10	2	1356082.6796	179.917	4.084	0.68	5.96*	6.04	7.05
-990	9	12	1359715.0645	159.825	176.441	0.01	17.95	18.04	18.14
-989	3	9	1359892.9852	339.106	5.478	0.22	15.83	16.62	17.42
-989	9	2	1360069.7420	149.327	184.629	0.24	7.03	7.75	8.47
-986	12	26	1361280.9006	266.260	5.964	0.59	12.58	13.86	15.14
-983	4	30	1362137.0715	25.789	174.818	0.30	18.26	18.50*	
-982	10	13	1362668.0257	191.002	3.956	0.32	16.67	17.49	17.87*
-980	2	28	1363170.7748	329.904	169.750	0.56	7.69	9.25	10.81
-979	2	16	1363524.8049	318.861	177.370	0.11	9.37	10.20	11.02
-978	8	2	1364056.6662	119.135	5.699	0.73	5.12*	5.61	6.61
-977	12	17	1364558.8421	256.853	169.986	0.80	9.97	11.46	12.96
-973	10	4	1365945.8919	181.584	168.079	0.14	12.82	13.58	14.35
-967	12	26	1368220.8046	266.557	13.843	0.18	9.02	9.94	10.86
-960	8	12	1370641.9645	129.810	5.083	0.92	14.50	15.84	17.19
-958	12	17	1371498.6740	257.075	177.854	0.12		6.90*	6.98
-957	6	11	1371674.9962	69.406	359.499	0.62	16.19	17.18	18.16
-956	5	31	1372029.6846	59.359	8.243	0.92	5.91	6.84	7.77
-954	10	4	1372885.7781	181.853	175.989	0.64	7.98	9.12	10.26
-950	7	23	1374273.8173	109.803	177.330	0.64	8.72	10.53	12.35
-947	5	22	1375307.6959	50.654	173.072	0.90	6.22	7.21	8.20
-946	11	4	1375838.7290	213.324	3.834	0.95	6.45*	7.46	8.64
-940	12	27	1378084.0276	268.232	177.800	0.08	16.99	17.07*	
-938	6	11	1378614.9949	69.795	7.348	0.13	16.63	17.13	17.63
-935	4	10	1379648.8326	10.796	3.281	0.82	10.11	11.82	13.53
-935	10	4	1379825.8064	182.276	183.800	0.03	9.25	9.56	9.87
-933	8	14	1380505.0862	131.359	168.926	0.51	18.07	18.75*	
-932	8	2	1380859.1002	120.402	176.617	0.15	18.56	18.87*	
-931	1	27	1381036.9801	299.504	5.452	0.75	15.25	16.27	17.22*
-929	6	2	1381893.0055	61.081	172.176	0.37	16.84	17.58	18.31
-926	4	1	1382926.6352	1.771	167.768	0.18		5.93*	6.30
-925	3	21	1383280.7136	350.975	175.690	0.40	6.39	7.41	8.44
-922	1	18	1384314.9294	290.227	169.665	0.59	13.57	14.78	16.00
-919	11	5	1385701.4592	215.018	167.832	0.56	14.45	15.66	16.87
-912	1	28	1387976.8499	299.756	13.357	0.19	10.55	11.55	12.55
-910	6	2	1388832.9867	61.442	180.059	0.47	15.92	16.84	17.77
-909	11	15	1389363.9354	224.767	11.705	0.56	13.50	14.73	15.96
-907	3	31	1389866.0048	1.551	174.974	0.51	16.50	17.49	18.07*
-906	9	14	1390397.8984	162.253	3.754	0.78	11.62	13.35	15.08
-903	1	18	1391254.7164	290.405	177.506	0.36	6.85*	6.90	7.81
-903	7	13	1391430.9243	100.853	357.051	0.18	13.92	14.67	15.42
-902	7	3	1391785.6246	90.731	5.667	0.79	4.97*	5.19	5.99
-900	11	5	1392641.8767	215.328	175.713	0.47	11.14	12.32	13.51
-896	3	1	1393852.9932	331.710	356.460	0.25	16.28	16.92	17.56
-896	8	24	1394029.6928	141.796	175.468	0.33	5.39*	6.21	7.11
-895	2	18	1394207.6758	321.319	4.774	0.23		6.52*	6.99
-895	8	13	1394383.8317	130.895	183.369	0.26	9.41	10.56	11.71
-893	6	24	1395063.6338	81.962	170.478	0.38	4.98*	5.41	6.07
-892	12	6	1395594.8037	246.963	3.836	0.36	8.59	9.78	10.97
-884	7	13	1398370.9457	101.255	4.905	0.67	14.29	15.40	16.52
-880	5	1	1399758.7160	31.427	8.711	0.80	6.42	7.61	8.80
-879	9	15	1400261.0079	163.808	167.566	0.34	16.17	17.08	18.00
-878	9	4	1400614.9966	152.612	174.990	0.51	15.37	16.48	17.59
-877	3	1	1400793.0107	332.120	4.289	0.47	16.30	17.14	17.63*
-874	6	24	1402003.5897	82.310	178.349	0.02		4.98*	4.99

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-870	4	11	1403391.0055	12.164	182.019	0.30	16.57	17.31	18.06
-863	5	23	1405989.9061	52.439	359.696	0.84	12.96	14.67	16.38
-858	3	1	1407732.8356	332.330	12.181	0.18	10.19	11.11	12.02
-856	7	4	1408588.8945	92.782	177.550	0.95	12.31	13.79	15.27
-853	5	3	1409621.8672	32.973	172.556	0.16	12.07	13.02	13.98
-852	10	16	1410153.8806	195.324	3.103	0.45	10.94	12.54	14.14
-851	10	5	1410507.8589	183.931	10.306	0.11	11.09	12.00	12.91
-849	2	20	1411010.7026	323.161	176.532	0.30	6.50*	6.77	7.62
-846	12	8	1412397.9970	249.008	175.690	0.29	16.06	16.82	17.15*
-842	4	2	1413608.9807	3.701	354.549	0.09	16.34	16.75	17.16
-841	9	15	1414139.7998	163.366	182.077	0.46	8.12	9.36	10.60
-837	1	8	1415350.8710	280.442	3.655	0.25	11.95	13.02	14.09
-831	3	2	1417596.0176	333.928	176.052	0.77	16.52	17.58	17.65*
-830	8	15	1418126.9312	133.184	2.978	0.78	13.37	14.59	15.82
-829	12	30	1418628.7721	271.033	167.732	0.22	8.30	9.15	9.99
-825	10	18	1420016.9803	196.879	166.876	0.28	15.41	16.40	17.39
-824	10	6	1420370.9561	185.480	174.085	0.60	13.89	15.27	16.66
-823	4	2	1420548.9865	4.081	2.435	0.66	15.75	16.76	17.76
-819	7	15	1422113.8346	103.326	184.499	0.10	10.14	10.95	11.76
-818	1	8	1422290.7836	280.738	11.543	0.68	8.02	9.30	10.58
-816	5	13	1423146.9220	43.542	179.537	0.77	13.66	14.97	16.27
-810	12	30	1425568.7393	271.384	175.600	0.70	6.93*	7.78	8.82
-808	6	13	1426099.8315	73.011	5.116	0.44	9.68	11.10	12.52
-804	4	2	1427488.7551	4.249	10.272	0.62	7.44	8.69	9.93
-802	8	6	1428344.8219	174.508	175.442	0.41	9.52	10.82	12.11
-799	6	4	1429377.7218	64.182	169.905	0.04	7.24	7.59	7.94
-798	11	18	1429909.8935	228.817	3.896	0.15	12.38	13.42	14.46
-797	11	7	1430263.8563	217.302	9.958	0.47	10.11	11.80	13.50
-795	3	24	1430766.6210	355.253	174.823	0.02		6.03*	6.01
-787	10	17	1433895.8284	196.483	181.471	0.15	9.38	10.16	10.94
-783	2	9	1435106.9031	313.442	2.925	0.63	12.97	14.22	15.47
-777	4	4	1437351.9146	5.911	174.118	0.48	13.45	14.78	16.11
-776	3	23	1437705.9886	355.019	182.039	0.26	16.15	17.01	17.86
-776	9	16	1437882.9621	165.753	1.743	0.11	14.89	15.43	15.97
-774	1	31	1438384.8305	304.215	167.201	0.36	10.00	11.23	12.46
-771	11	19	1439772.9857	230.369	166.629	0.20	15.78	16.64	17.33*
-770	11	8	1440126.9648	218.871	173.743	0.53	14.45	15.80	17.15
-769	5	5	1440304.9103	35.556	0.015	0.90	13.27	14.64	16.02
-765	8	17	1441869.7144	135.168	182.502	0.46	5.73	6.81	7.88
-764	2	10	1442046.8514	313.769	10.817	0.57	10.58	11.84	13.11
-762	6	15	1442902.8392	74.807	176.933	0.74	10.27	11.75	13.24
-757	9	17	1444822.8916	166.062	9.637	0.29	12.13	13.22	14.30
-755	1	31	1445324.8238	304.589	175.060	0.35	9.75	10.86	11.97
-754	7	16	1445855.6989	104.405	2.657	0.73	5.65	6.72	7.80
-750	5	5	1447244.6221	35.661	7.823	0.80		5.42*	6.33
-748	9	7	1448100.7897	156.826	173.980	0.17	8.77	9.59	10.42
-744	12	20	1449665.9099	262.377	2.760	0.22	13.53	14.62	15.71
-743	6	15	1449842.8598	75.217	184.759	0.01	12.14	12.37	12.60
-743	12	9	1450019.8769	250.884	9.853	0.71	10.77	12.71	14.66
-740	10	8	1451053.6755	187.819	1.309	0.83	6.08*	6.18	7.10
-736	7	26	1452441.0000	114.963	1.949	0.51	15.88	16.89	17.89
-729	3	14	1454862.8918	345.796	1.491	0.69	12.66	13.93	15.20
-723	5	6	1457107.7605	37.196	171.645	0.41	7.70	8.90	10.10
-722	4	25	1457461.8161	26.519	179.653	0.37	9.70	11.17	12.65
-716	12	10	1459882.9982	252.462	173.640	0.76	15.81	17.05	17.13*
-715	6	6	1460060.8106	66.803	357.388	0.18	10.20	11.06	11.93
-713	10	10	1460916.9843	189.582	165.323	0.22	15.64	16.34	17.04
-711	9	18	1461625.6395	167.649	181.152	0.23		5.77*	6.01
-710	3	14	1461802.8681	346.163	9.350	0.34	11.53	12.51	13.50
-708	7	17	1462658.7768	106.289	174.512	0.27	8.26	9.16	10.05
-705	5	17	1463693.0358	47.593	170.757	0.05	18.35	18.67	18.74*
-704	5	5	1464047.0856	36.933	178.774	0.04	18.59	18.60*	
-703	10	19	1464578.9339	199.211	9.096	0.81	13.21	14.67	16.12
-701	3	5	1465080.8611	337.175	173.847	0.95	11.15	12.56	13.98

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-700	8	17	1465611.6190	136.289	0.734	0.15		5.32*	5.47
-699	8	6	1465966.1232	125.801	9.178	0.08	18.77	18.81*	
-694	10	10	1467856.8029	189.783	173.205	0.34	8.96	10.08	11.20
-690	7	28	1469244.1004	116.876	173.822	0.51	18.36	18.90*	
-689	1	22	1469421.8966	295.627	2.269	0.37	12.99	14.29	15.59
-689	7	18	1469598.8112	106.704	182.350	0.51	9.05	10.27	11.50
-688	1	11	1469775.8868	284.292	9.554	0.62	11.49	13.19	14.89
-686	11	10	1470809.7765	221.312	1.105	0.27	8.09	8.93	9.78
-682	8	28	1472196.9376	147.063	0.235	0.17	13.91	14.70	15.50
-679	1	1	1473053.6820	274.781	173.487	0.31		6.92*	7.29
-678	6	17	1473585.7366	77.246	4.231	0.92	6.67	7.95	9.23
-675	4	15	1474618.8402	17.553	359.399	0.31	11.32	12.34	13.35
-668	5	27	1477217.6172	57.706	176.932	0.38		5.15*	5.91
-663	8	28	1479136.7883	147.298	8.132	0.05	8.81	9.22	9.62
-661	1	12	1479639.0209	285.872	173.354	0.50	16.51	17.12*	
-660	6	27	1480171.0122	87.676	3.346	0.97	16.46	17.60	18.74
-656	4	15	1481558.8429	17.946	7.244	0.52	10.63	11.79	12.94
-650	6	7	1483802.8816	68.093	175.994	0.55	12.02	13.71	15.40
-649	11	21	1484335.0033	232.767	9.002	0.73	15.83	16.97	17.30*
-647	4	6	1484836.8487	9.126	171.949	0.48	10.97	12.17	13.38
-640	11	11	1487612.8499	223.228	172.964	0.91	9.91	11.57	13.22
-636	8	29	1489000.1007	149.045	172.151	0.40	18.16	18.51*	
-635	2	23	1489177.8291	328.298	1.135	0.10	11.26	12.06	12.87
-635	8	19	1489354.7967	138.673	180.458	0.83	8.27	9.59	10.90
-634	2	12	1489531.8583	317.204	8.717	0.64	10.56	12.20	13.84
-628	4	6	1491776.8211	9.483	179.823	0.16	10.52	11.34	12.17
-625	2	3	1492809.6841	307.879	172.888	0.66		6.69*	7.45
-623	7	8	1493695.6119	97.865	9.629	0.23		4.99*	5.26
-613	12	13	1497505.7149	255.196	8.978	0.49	6.89*	7.12	8.14
-609	9	30	1498892.8332	180.099	7.164	0.61	9.64	10.96	12.27
-607	2	13	1499395.0057	318.785	172.527	0.33	16.35	17.20	17.44*
-606	7	30	1499926.8595	119.206	0.994	0.85	10.18	12.12	14.06
-602	5	18	1501314.7848	49.327	4.717	1.00	8.76	10.00	11.24
-596	7	9	1503558.6970	99.363	173.375	0.32	5.61	6.49	7.37
-595	6	28	1503912.8925	88.783	181.650	0.42	12.16	13.50	14.85
-586	12	14	1507368.9027	256.842	172.893	0.69	12.12	13.82	15.51
-584	5	28	1507900.0985	59.756	3.817	0.12	18.80	18.87*	
-581	9	21	1509110.8264	171.277	179.247	0.70	9.23	10.50	11.78
-580	3	16	1509287.7795	349.477	7.169	0.88	8.09	9.61	11.14
-578	7	20	1510143.9748	109.973	172.571	0.64	15.35	16.51	17.67
-577	1	14	1510321.9800	288.454	0.868	0.44	15.68	16.56	17.14*
-574	5	9	1511532.7329	40.934	177.407	0.50	7.20	8.24	9.28
-571	3	7	1512565.6387	340.365	171.614	0.26		6.25*	6.49
-568	1	5	1513599.9036	279.073	164.989	0.00	13.75	13.91	14.08
-563	4	7	1515518.9810	10.851	358.514	0.70	15.75	16.98	18.20
-558	1	14	1517261.7625	288.618	8.726	0.97	7.04	8.52	9.99
-556	5	19	1518118.0316	51.353	176.551	0.96	17.21	18.18	18.78*
-555	11	1	1518648.9262	213.469	6.820	0.70	13.16	14.46	15.76
-553	3	18	1519150.9448	351.054	171.022	0.01	15.39	15.62	15.84
-552	8	31	1519682.7486	151.287	359.246	0.52	6.59	7.86	9.13
-551	8	20	1520036.7487	140.223	6.803	0.20	6.73	7.58	8.43
-548	6	19	1521070.7212	80.624	2.059	0.53	6.86	7.78	8.70
-546	10	23	1521926.8802	204.082	170.870	0.76	11.50	12.83	14.16
-543	3	27	1522812.7728	0.174	14.295	0.01	8.85	9.06	9.27
-541	7	31	1523668.7905	120.359	179.391	0.98	7.86	9.39	10.92
-536	11	1	1525588.9579	213.884	14.636	0.11	14.82	15.39	15.96
-533	8	31	1526622.0508	150.982	6.299	0.80	16.93	18.01	18.48*
-531	1	15	1527124.9315	290.232	172.591	0.90	13.53	15.05	16.57
-530	6	30	1527656.0360	91.087	1.227	0.51	17.13	17.93	18.72
-529	6	20	1528010.6768	80.967	9.955	0.42	5.45	6.23	7.01
-526	4	18	1529043.6602	21.154	4.994	0.34	5.63*	6.35	7.14
-523	2	15	1530078.0264	321.401	0.074	0.75	16.71	17.48*	
-520	6	10	1531288.6208	72.176	174.799	0.83	5.03*	5.16	6.05
-519	5	30	1531642.9240	61.765	183.323	0.12	14.13	14.89	15.64

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-519	11	23	1531819.6693	235.902	6.784	0.23		6.73*	6.96
-516	3	28	1532676.0480	1.862	178.229	0.73	17.41	18.07*	
-508	4	28	1535628.9487	31.613	4.171	0.34	14.81	15.84	16.88
-504	2	16	1537017.7586	321.518	7.893	0.78	7.20	8.66	10.13
-502	6	21	1537873.9160	82.599	173.943	0.40	13.77	14.90	16.02
-501	12	4	1538405.0438	247.130	6.789	0.12	17.09	17.17*	
-498	10	3	1539438.6904	184.022	358.205	0.32	6.02*	6.33	7.20
-497	9	22	1539792.6739	172.731	5.514	0.42		5.84*	6.66
-494	7	22	1540826.6706	112.139	359.678	0.22	5.61	6.18	6.76
-492	11	24	1541682.9960	237.695	170.756	0.99	15.66	16.76	17.25*
-489	4	29	1542568.7010	31.764	11.995	0.45	6.36	7.21	8.06
-487	9	1	1543424.7460	152.506	177.736	0.66	6.71	7.91	9.10
-480	4	19	1545846.6819	22.961	176.779	0.26	6.20	6.86	7.52
-479	10	2	1546377.9973	183.709	5.252	0.57	15.51	16.71	17.90
-477	2	17	1546880.9078	323.097	171.712	0.51	12.86	14.29	15.71
-476	2	6	1547234.9321	311.943	179.215	0.22	14.36	15.33	16.31
-469	3	20	1549834.0143	353.691	358.564	0.74	16.56	17.54	17.95*
-465	7	2	1551398.7453	92.991	180.655	0.54	6.75	8.03	9.31
-465	12	26	1551575.7869	269.549	6.729	0.63	8.18	9.42	10.66
-462	4	30	1552431.9918	33.448	175.959	0.76	16.11	17.12	18.12
-457	8	2	1554351.8975	123.028	6.902	0.31	12.53	13.65	14.76
-456	12	16	1554853.7453	260.137	170.739	0.49	7.29	8.25	9.22
-454	5	31	1555384.8077	62.853	1.533	0.78	9.13	10.65	12.17
-450	3	20	1556773.6898	353.757	6.323	0.52	6.05*	6.90	7.95
-449	3	9	1557127.7624	342.859	14.151	0.05	8.06	8.54	9.03
-447	7	12	1557984.0234	103.456	179.829	0.01	17.25	17.39	17.54
-446	12	26	1558515.8103	269.956	14.557	0.18	9.35	10.20	11.05
-444	11	4	1559194.6787	217.308	357.760	0.07		6.51*	6.67
-443	10	24	1559548.6594	205.857	4.911	0.21		6.35*	6.57
-442	10	13	1559902.8716	194.685	12.589	0.00	12.33	12.50	12.67
-440	8	23	1560582.6563	144.148	357.858	0.14	5.42*	5.70	6.17
-437	12	17	1561793.7415	260.521	178.588	0.37	6.91*	7.70	8.56
-436	6	10	1561970.0958	73.259	0.646	0.13	18.83	18.97*	
-435	5	31	1562324.6197	63.058	9.409	0.89	5.10*	5.24	6.07
-433	10	4	1563180.7632	185.314	176.784	0.68	7.38	8.57	9.76
-432	3	30	1563358.9858	4.362	5.643	0.09	16.26	16.78	17.29
-430	8	3	1564215.1113	124.664	170.884	0.36	18.52	18.82*	
-426	5	22	1565602.6119	54.330	174.255	0.72		5.19*	5.96
-425	11	4	1566133.9981	217.003	4.824	0.52	15.86	17.00	17.50*
-423	3	21	1566636.8179	355.302	170.103	0.33	9.54	10.90	12.26
-422	3	10	1566990.8396	344.358	177.803	0.36	10.52	12.02	13.52
-415	4	21	1569589.9445	25.386	356.405	0.36	14.90	15.87	16.84
-414	10	4	1570120.6973	185.643	184.666	0.23	6.04*	6.60	7.22
-410	1	27	1571331.8815	302.965	6.316	0.86	11.88	13.22	14.55
-408	6	1	1572187.9221	64.753	173.386	0.29	14.21	15.09	15.97
-403	9	3	1574107.8503	155.202	5.280	0.67	9.98	11.57	13.16
-402	8	23	1574462.0746	144.348	13.299	0.02	18.33	18.53	18.58*
-401	1	18	1574609.8476	293.590	170.450	0.96	10.30	11.81	13.31
-395	4	10	1576883.6148	14.658	12.046	0.17		5.73*	5.93
-393	8	14	1577739.8772	135.179	177.663	0.88	10.89	12.65	14.41
-389	6	2	1579127.9572	65.176	181.198	0.38	14.96	15.85	16.75
-389	11	26	1579304.6838	239.382	4.736	0.51		6.77*	7.36
-388	11	14	1579658.9370	228.163	12.394	0.38	13.66	14.82	15.99
-386	9	25	1580338.6826	176.802	356.711	0.10	5.94	6.36	6.79
-382	7	13	1581725.9802	104.622	358.150	0.08	15.90	16.37	16.84
-379	11	5	1582936.8330	218.680	176.444	0.63	9.39	10.72	12.05
-378	5	2	1583114.8385	35.843	3.239	0.90	10.13	11.84	13.54
-376	9	4	1583971.0474	156.836	169.251	0.70	16.93	17.91	18.40*
-375	2	28	1584147.9138	335.204	357.396	0.08	14.37	14.83	15.30
-371	12	6	1585890.0300	250.580	4.719	0.31	16.81	17.14*	
-369	4	23	1586392.6689	26.913	167.849	0.16	5.78	6.41	7.03
-368	4	11	1586746.6942	16.144	175.725	0.48	5.94	7.01	8.08
-363	7	13	1588665.8591	104.896	6.035	0.26	11.11	12.13	13.14
-362	11	27	1589167.8352	240.995	168.594	0.32	10.12	11.42	12.72

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-356	3	1	1591087.9264	335.608	5.226	0.69	13.58	14.70	15.81
-350	4	22	1593331.9707	26.624	174.918	0.47	15.67	16.80	17.92
-349	10	6	1593863.8486	188.016	4.369	0.84	9.72	11.40	13.07
-348	9	24	1594218.0045	176.889	12.051	0.25	15.96	16.82	17.68
-347	2	19	1594365.9090	326.518	169.606	0.30	13.21	14.14	15.07
-339	9	15	1597495.7811	167.510	176.153	0.48	7.68	9.05	10.42
-338	9	4	1597849.7815	156.363	183.644	0.30	7.53	8.63	9.72
-335	7	4	1598883.8919	96.524	178.640	0.90	12.13	13.51	14.90
-335	12	28	1599060.7174	272.937	4.611	0.59	6.92*	7.04	8.20
-328	2	20	1601305.8565	326.857	177.475	0.26	11.40	12.46	13.53
-325	12	8	1602692.9267	252.327	176.383	0.08	14.02	14.59	15.15
-323	5	23	1603224.6948	56.380	8.532	0.70	5.73	6.82	7.92
-322	10	7	1603727.0290	189.650	168.303	0.58	16.52	17.57	17.90*
-309	8	15	1608421.8313	136.735	4.011	0.73	9.50	10.90	12.31
-308	12	29	1608923.8844	274.559	168.479	0.52	11.69	13.27	14.86
-306	6	14	1609455.9247	77.437	359.590	0.73	13.54	15.11	16.68
-302	4	2	1610843.9233	7.698	3.445	0.69	13.62	14.77	15.92
-297	1	8	1612585.7394	284.130	12.248	0.41	6.89*	7.87	8.89
-296	5	24	1613087.7815	57.877	172.243	0.21	8.42	9.40	10.38
-295	5	13	1613442.0144	47.387	180.658	0.38	16.81	17.65	18.49
-295	11	7	1613619.8845	221.366	4.040	0.35	11.55	12.94	14.32
-294	10	27	1613973.9829	210.031	11.454	0.38	15.16	16.31	17.45
-285	10	18	1617251.7390	200.475	175.326	0.39	6.73	7.81	8.99
-284	10	6	1617605.7391	189.132	182.626	0.44	6.40	7.46	8.52
-281	8	6	1618639.8476	128.209	176.446	0.73	10.31	11.71	13.10
-280	1	30	1618816.7278	306.158	4.116	0.22	6.71*	7.54	8.39
-278	6	4	1619673.0525	68.265	171.335	0.37	18.11	18.89	18.94*
-274	3	24	1621061.8304	359.100	175.941	0.73	10.03	11.57	13.11
-270	1	9	1622449.0181	285.860	176.224	0.58	16.46	17.12*	
-268	11	8	1623483.0465	222.999	167.912	0.09	17.30	17.42*	
-263	2	20	1625047.9584	328.175	356.129	0.06	15.95	16.41	16.87
-262	8	6	1625579.6974	128.445	184.342	0.10	6.01	6.49	6.96
-255	9	16	1628177.8540	169.192	2.659	0.71	10.29	11.66	13.04
-253	1	31	1628679.9107	307.782	168.003	0.12	13.48	14.21	14.95
-252	7	16	1629211.7428	108.757	356.997	0.02	7.82	8.13	8.43
-251	7	5	1629565.7684	97.996	4.891	0.63	7.12	8.50	9.88
-248	5	4	1630599.8782	39.271	1.103	0.97	12.01	13.38	14.76
-243	2	9	1632341.7887	317.230	11.622	0.64	8.27	9.60	10.93
-241	6	15	1633197.8853	78.629	178.015	0.93	11.94	13.54	15.14
-241	12	10	1633375.9327	254.972	3.955	0.41	14.02	15.24	16.46
-240	11	28	1633729.9885	243.550	11.235	0.25	15.60	16.53	17.20*
-236	9	16	1635117.8847	169.607	10.481	0.21	12.07	12.95	13.83
-234	1	31	1635619.7313	307.983	175.876	0.36	6.71	7.60	8.48
-233	7	16	1636151.0464	108.469	4.072	0.76	17.15	18.18	18.96*
-231	11	19	1637007.7373	233.902	175.003	0.62	6.71*	7.74	8.96
-230	11	8	1637361.7511	222.453	182.216	0.22	6.95	7.74	8.54
-229	5	5	1637539.8147	39.591	9.004	0.21	9.63	10.49	11.35
-227	9	7	1638395.8422	160.459	174.866	0.67	10.10	11.43	12.76
-220	4	25	1640817.7472	30.760	173.776	0.94	7.31	8.61	9.91
-219	4	14	1641172.0129	20.223	182.158	0.25	16.87	17.65	18.35*
-208	3	13	1645158.0082	349.533	2.449	0.63	16.31	17.34	17.89*
-208	9	7	1645335.6418	160.647	182.735	0.22		5.66*	5.94
-202	5	6	1647403.0426	41.220	172.953	0.40	17.83	18.60	18.65*
-197	8	7	1649321.6150	129.583	2.585	0.19		5.24*	5.41
-194	6	6	1650355.8090	70.580	358.479	0.37	9.77	10.83	11.90
-192	10	9	1651211.8903	192.976	166.117	0.02	13.22	13.51	13.81
-189	3	14	1652097.7962	349.705	10.312	0.61	8.79	10.03	11.26
-187	7	17	1652953.7855	110.023	175.567	0.39	8.19	9.36	10.53
-186	1	11	1653131.9683	288.434	3.740	0.87	15.01	16.26	17.14*
-182	10	19	1654873.9472	202.689	9.815	0.81	13.82	15.10	16.39
-180	3	4	1655375.7610	340.670	174.776	0.49	7.82	8.91	10.01
-179	8	17	1655906.9108	140.229	1.960	0.65	12.31	13.91	15.50
-177	1	2	1656409.7640	278.911	167.660	0.12	8.13	8.88	9.63
-177	12	22	1656763.7464	267.458	174.816	0.92	6.92*	7.84	9.22

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-175	6	6	1657295.7026	70.857	6.383	0.96	6.03	7.09	8.15
-173	10	10	1658151.8815	193.350	173.980	0.91	11.26	12.69	14.11
-169	7	28	1659539.0927	120.580	174.828	0.43	18.19	18.86*	
-168	7	17	1659893.7122	110.344	183.451	0.17	6.53	7.11	7.69
-166	5	28	1660573.6226	62.061	171.215	0.64	5.11*	5.24	6.10
-165	5	17	1660927.8368	51.561	179.580	0.69	9.92	11.76	13.61
-165	11	10	1661104.6637	224.618	1.832	0.31		6.60*	6.89
-157	6	17	1663880.9967	81.272	5.513	0.51	16.20	17.18	18.15
-154	4	15	1664913.9191	21.344	0.421	0.93	13.53	14.94	16.35
-152	8	18	1665770.0438	141.791	165.810	0.07	17.64	18.01	18.39
-138	11	11	1670967.9912	226.410	165.803	0.33	15.80	16.62	17.38*
-135	4	15	1671853.7569	21.577	8.297	0.88	7.76	8.93	10.10
-133	8	19	1672709.7276	141.875	173.563	0.01	7.29	7.42	7.54
-132	2	13	1672887.9545	321.433	2.987	0.89	14.55	15.85	17.14
-128	11	20	1674630.0426	236.220	9.655	0.20	17.06	17.27*	
-126	4	6	1675131.7460	12.719	172.988	0.97	7.45	8.64	9.82
-125	9	19	1675662.8384	172.617	0.550	0.44	9.39	10.89	12.38
-123	2	3	1676165.7517	312.063	167.071	0.15	7.64	8.50	9.35
-122	1	23	1676519.7351	300.761	174.372	0.73	6.76*	7.56	8.92
-119	11	11	1677907.9583	226.763	173.677	0.48	14.43	15.57	16.71
-115	3	6	1679119.0003	343.111	354.472	0.01	17.13	17.30	17.48
-115	8	29	1679295.0559	152.623	173.048	0.61	17.08	17.95	18.46*
-114	8	19	1679649.6906	142.224	181.452	0.68	5.47	6.40	7.34
-111	6	18	1680683.6419	82.734	176.834	0.68	4.99*	5.41	6.39
-108	4	16	1681717.0641	23.284	172.246	0.05	18.35	18.40*	
-103	7	19	1683636.8808	112.671	3.051	0.79	11.36	13.03	14.69
-102	7	8	1683991.0951	102.084	11.336	0.01	18.97	19.00*	
-100	5	17	1684669.8051	52.733	357.936	0.13	10.23	10.99	11.74
-93	6	29	1687268.9116	93.145	175.945	0.72	13.06	14.62	16.19
-92	12	12	1687800.7771	258.666	9.643	0.76	7.75	9.06	10.37
-88	9	29	1689187.8086	183.597	7.941	0.36	8.91	10.04	11.18
-83	12	3	1691078.6848	249.188	173.639	0.38		6.85*	7.39
-81	5	18	1691609.6924	53.014	5.824	0.72	6.20	7.13	8.06
-78	3	17	1692643.8751	353.794	1.502	0.69	11.96	13.52	15.07
-77	3	6	1692997.8913	342.798	9.160	0.09	12.51	13.22	13.93
-76	7	20	1693500.0593	114.270	166.968	0.12	18.11	18.56	18.92*
-72	5	8	1694887.6962	44.270	170.649	0.57	6.29	7.19	8.08
-71	10	21	1695418.8290	205.644	359.848	0.05	9.95	10.47	11.00
-68	2	25	1696275.6785	333.529	173.354	0.82		6.35*	7.47
-66	7	30	1697161.6524	123.102	9.747	0.08		5.16*	5.45
-63	5	28	1698195.0025	63.443	4.951	0.48	16.46	17.32	18.19
-61	10	1	1699051.0781	185.317	171.963	0.29	17.70	17.96*	
-60	9	20	1699405.7184	174.724	180.113	0.96	6.20	7.23	8.27
-56	1	14	1700616.8909	291.813	1.585	0.08	13.34	13.87	14.41
-53	5	9	1701827.7295	44.691	178.458	0.34	7.33	8.16	8.99
-50	3	7	1702860.9797	344.310	172.850	0.24	15.88	16.72	17.55
-49	8	21	1703392.7882	144.515	1.049	0.83	7.66	9.19	10.71
-48	8	9	1703746.9362	133.696	9.035	0.18	14.17	15.07	15.96
-47	1	4	1703894.8470	282.459	165.641	0.23	10.89	11.87	12.84
-46	12	14	1704603.6994	260.429	181.347	0.04		6.91*	6.99
-39	7	31	1707024.7358	124.606	173.490	0.01	7.19	7.42	7.65
-38	7	20	1707378.7750	113.800	181.364	0.64	7.26	8.75	10.23
-37	1	14	1707556.8641	292.172	9.460	0.82	10.85	12.39	13.94
-35	5	19	1708413.0402	55.135	177.611	0.74	17.36	18.24	18.82*
-34	11	1	1708943.8688	216.853	7.502	0.94	10.72	12.33	13.93
-28	1	5	1710834.7666	282.762	173.532	0.82	7.31	8.64	9.96
-27	6	19	1711365.6216	84.308	3.191	0.31	4.98*	5.24	5.83
-25	10	23	1712221.7887	207.453	171.599	0.25	8.88	9.73	10.58
-23	4	7	1712753.7578	14.722	7.200	0.96	7.42	8.87	10.32
-21	8	11	1713610.0181	135.203	172.775	0.91	16.13	17.27	18.42
-18	6	10	1714643.6287	75.587	168.025	0.08	5.01*	5.32	5.64
-9	6	30	1717950.9348	94.762	2.345	0.98	13.81	15.06	16.31
-8	6	19	1718305.6591	84.728	11.020	0.34	5.16	5.80	6.45
-6	4	29	1718985.0124	35.997	358.516	0.62	16.74	17.84	18.58*

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-6	10	23	1719161.7947	207.848	179.452	0.52	8.38	9.43	10.47
-5	4	18	1719339.0375	25.240	6.420	0.00	18.40	18.40	18.40
-2	2	15	1720372.9613	324.876	0.868	0.75	14.91	15.94	16.97
1	6	10	1721583.6548	75.995	175.863	0.81	5.04	5.93	6.83
4	4	8	1722616.8562	16.229	170.935	0.07	11.73	12.42	13.11
5	9	22	1723148.7413	176.963	359.739	0.54	6.54	7.71	8.88
6	9	11	1723502.8272	165.875	7.386	0.27	9.33	10.63	11.93
16	8	21	1727134.6522	145.609	179.298	0.80		5.44*	6.31
17	2	15	1727312.9073	325.211	8.754	0.32	12.87	13.89	14.90
19	6	21	1728168.9618	86.430	174.997	0.83	14.97	16.07	17.18
20	12	3	1728699.9613	250.464	7.429	0.96	14.61	15.85	17.08
26	2	6	1730590.8102	315.954	173.010	0.77	8.86	10.47	12.08
29	11	24	1731977.8852	241.001	171.424	0.90	11.54	13.05	14.55
31	5	10	1732509.5860	46.145	4.713	0.03		5.28*	5.29
33	9	12	1733365.9075	167.398	171.114	0.50	12.65	14.07	15.48
34	9	1	1733719.9594	156.346	178.767	0.05	14.63	15.06	15.49
38	6	21	1735108.7838	86.643	182.881	0.25	8.40	9.42	10.43
41	4	19	1736141.7111	26.723	177.762	0.22	6.86	7.59	8.32
45	8	1	1737706.8906	126.362	0.031	0.56	11.94	13.19	14.45
49	5	20	1739094.8557	56.558	3.801	0.59	10.54	12.24	13.94
52	3	19	1740128.9799	357.305	359.450	0.85	15.53	16.57	17.60
56	12	25	1741870.6926	272.884	7.387	0.68		6.92*	7.62
58	5	11	1742372.6941	47.665	168.471	0.06	6.52	6.91	7.30
59	4	30	1742727.0099	37.221	176.965	0.95	16.59	17.64	18.60*

2. Solar Eclipses for Babylon (-2972 – 59)

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2972	9	24	635801.8769	158.356	358.082	0.03	11.08	11.47	11.86
-2966	11	17	638047.0003	213.139	171.906	0.77	14.58	16.00	17.42
-2960	2	18	639965.9299	306.045	6.501	0.88	12.68	14.11	15.54
-2958	6	23	640822.0501	66.231	171.610	0.39	17.53	18.36	19.03*
-2954	4	12	642210.9550	357.577	176.808	0.95	14.01	15.35	16.69
-2953	9	25	642741.8627	158.735	5.928	0.69	9.74	11.09	12.43
-2951	2	8	643243.8227	296.955	170.937	0.95	8.38	9.94	11.50
-2943	3	11	646197.0324	327.355	357.651	0.38	16.67	17.50*	
-2941	2	18	646905.7359	306.222	14.388	0.24	6.80*	7.23	7.96
-2939	6	23	647761.6977	66.263	179.351	0.17	6.10	6.67	7.24
-2939	12	18	647939.8933	245.015	7.876	0.84	10.41	12.30	14.18
-2937	5	4	648441.7296	18.156	167.186	0.22	7.00	7.67	8.35
-2932	8	4	650360.7781	107.488	358.087	0.18	7.65	8.55	9.46
-2931	7	24	650714.8032	96.473	5.733	0.51	7.68	9.02	10.37
-2928	5	23	651749.0432	37.287	1.435	0.99	16.94	17.91	18.67*
-2927	5	13	652103.6148	27.144	10.228	0.32		5.49*	5.76
-2925	9	16	652959.8110	149.762	177.957	0.85	7.91	9.25	10.59
-2922	7	15	653992.6377	87.369	170.206	0.29	4.86*	4.86	5.54
-2921	7	4	654347.0064	76.826	178.620	0.52	15.74	16.71	17.68
-2914	2	19	656769.0355	307.935	178.282	0.50	16.35	17.19	17.22*
-2913	8	4	657300.1113	107.204	5.226	0.76	18.15	19.09*	
-2912	12	19	657803.0221	246.584	171.684	0.95	15.58	16.90	17.06*
-2906	3	22	659721.8422	337.755	4.428	0.54	10.02	11.38	12.73
-2900	5	14	661966.8189	28.728	174.159	0.82	8.90	10.45	12.00
-2899	5	3	662321.0004	18.220	182.484	0.15	16.14	16.82	17.51
-2899	10	27	662497.9878	192.358	5.898	0.54	14.38	15.44	16.50
-2897	3	13	662999.7662	328.862	169.092	0.65	7.16	8.38	9.61
-2890	10	18	665775.9398	182.920	169.900	0.68	12.75	13.96	15.16
-2887	3	22	666661.6960	338.001	12.307	0.67	6.33*	6.46	7.40
-2885	7	26	667517.6544	98.129	177.451	0.65	4.87*	5.25	6.10
-2884	1	20	667695.8800	277.971	7.146	0.73	10.29	12.13	13.96
-2883	1	8	668049.8908	266.769	14.585	0.01	11.69	12.05	12.42
-2882	11	18	668728.7282	214.447	358.134	0.07	6.53*	6.87	7.24
-2880	10	27	669437.9904	192.731	13.763	0.20	14.73	15.49	16.26
-2878	3	13	669939.6927	329.158	177.005	0.05		6.47*	6.59
-2877	8	26	670470.7449	128.917	4.436	0.75	5.81	7.02	8.23
-2876	8	14	670825.0558	118.040	12.479	0.00	17.61	17.68	17.75
-2874	6	25	671504.9821	68.694	359.003	0.57	15.12	16.18	17.24
-2871	10	18	672715.9007	183.251	177.802	0.44	10.86	12.06	13.26
-2867	8	5	674102.9832	108.905	176.944	0.64	14.55	15.64	16.73
-2863	11	18	675668.7416	214.950	5.946	0.76	6.53*	7.27	8.26
-2860	3	23	676525.0095	339.692	176.230	1.01	15.62	16.65	17.67
-2859	9	5	677056.0704	135.895	4.149	0.46	16.93	17.84	18.71*
-2857	1	21	677558.9862	279.515	170.848	0.63	14.60	15.94	16.98*
-2855	6	25	678444.7940	68.881	6.900	0.56	7.90	9.12	10.34
-2846	6	16	681722.6781	59.971	171.601	0.63	5.15	6.12	7.08
-2845	6	5	682076.8033	49.341	179.747	0.38	8.55	9.89	11.22
-2843	4	14	682755.6798	0.267	166.710	0.27	5.95*	6.31	6.99
-2837	7	6	685030.0905	79.440	6.159	0.72	18.06	18.97	19.12*
-2836	11	19	685532.0704	216.636	169.957	0.58	16.88	17.44*	
-2834	5	4	686063.0232	19.433	0.982	0.94	16.32	17.39	18.38*
-2833	4	24	686417.6345	9.336	9.785	0.44		5.79*	6.15
-2831	8	27	687273.6673	130.678	176.222	0.78	5.16*	5.26	6.16
-2830	2	21	687451.7936	310.254	5.611	0.40	7.76	9.09	10.42
-2829	2	10	687805.8069	299.280	13.280	0.27	7.98	9.17	10.37
-2827	6	15	688662.0766	59.768	178.906	0.36	17.92	18.74	18.97*
-2824	4	14	689695.6454	0.604	174.613	0.18		5.94*	6.12
-2823	9	27	690226.7524	162.026	3.880	0.76	5.98	7.21	8.44
-2822	9	16	690581.0985	150.992	11.761	0.48	17.55	18.35	18.54*
-2820	7	27	691260.9522	100.596	357.115	0.09	14.29	14.85	15.40
-2813	9	7	693859.0220	141.671	175.999	0.33	15.53	16.32	17.11
-2809	12	21	695424.8631	248.385	5.851	0.45	9.97	11.19	12.41
-2806	4	25	696280.9583	11.023	173.743	0.51	14.38	15.40	16.43
-2805	10	8	696812.0995	173.180	3.823	0.18	17.84	18.16*	

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2803	2	22	697314.8933	311.744	169.328	0.43	11.27	12.83	14.40
-2802	2	11	697668.9038	300.773	176.992	0.19	12.23	13.32	14.41
-2801	7	28	698200.7053	100.731	4.953	0.95	5.25	6.32	7.40
-2800	12	11	698702.8176	239.026	169.912	0.44	8.72	9.76	10.81
-2796	9	28	700089.9337	163.673	167.853	0.09	13.58	14.17	14.76
-2791	7	7	701832.6282	80.787	177.322	0.41		4.87*	5.57
-2790	12	21	702364.8241	248.740	13.714	0.13	9.05	9.78	10.51
-2787	4	25	703220.9868	11.441	181.564	0.29	15.43	16.22	17.00
-2783	8	7	704786.0159	111.498	4.438	0.92	15.57	16.76	17.95
-2781	12	12	705642.7212	239.323	177.797	0.73		6.86*	7.63
-2780	6	5	705818.9253	50.641	358.390	0.58	13.26	14.54	15.82
-2777	9	29	707029.7469	163.862	175.753	0.43	6.44	7.34	8.25
-2775	3	14	707561.6751	331.098	11.303	0.25		6.44*	6.76
-2773	7	18	708417.9160	91.381	176.657	0.81	12.24	13.96	15.69
-2769	10	30	709982.8035	195.592	3.814	0.92	7.40	8.83	10.25
-2761	6	6	712758.8832	50.993	6.268	0.34	11.53	12.56	13.59
-2758	4	5	713792.9218	352.313	2.538	0.94	12.79	14.33	15.87
-2758	9	29	713969.7580	164.267	183.582	0.33	6.71	7.51	8.31
-2754	1	22	715180.9339	281.421	5.124	0.56	13.07	14.22	15.38
-2752	5	27	716036.8920	42.265	171.073	0.00	13.11	13.22	13.33
-2749	3	27	717070.7415	343.346	167.100	0.18	6.91	7.73	8.54
-2748	3	15	717424.7843	332.592	175.016	0.45	7.53	8.84	10.15
-2747	8	29	717956.6699	133.233	3.734	0.90	5.20*	5.20	6.20
-2745	1	13	718458.9086	272.221	169.416	0.88	11.60	13.08	14.57
-2742	10	31	719846.0105	197.255	167.808	0.57	15.15	16.29	17.43
-2735	1	22	722120.8757	281.734	13.044	0.40	10.37	11.68	12.99
-2733	5	28	722976.9151	42.656	178.945	0.79	12.66	14.04	15.42
-2732	11	9	723507.9343	206.970	11.675	0.50	12.41	13.69	14.97
-2730	3	26	724010.0636	343.085	174.203	0.28	17.38	17.76*	
-2729	9	9	724541.9970	144.226	3.466	0.53	14.67	15.85	17.04
-2728	8	28	724896.0452	133.004	10.938	0.24	16.60	17.38	18.15
-2726	1	13	725398.7734	272.480	177.297	0.37	7.04*	7.85	8.80
-2726	7	8	725574.8603	82.201	356.094	0.09	11.35	11.98	12.60
-2723	10	31	726785.8610	197.497	175.685	0.88	9.56	10.89	12.22
-2719	8	19	728173.8186	123.622	175.099	0.32	8.33	9.65	10.98
-2718	8	8	728527.8841	112.558	182.752	0.23	10.72	11.87	13.02
-2715	12	1	729738.8749	229.232	3.853	0.32	10.14	11.41	12.69
-2707	7	8	732514.8536	82.571	3.990	0.71	9.98	11.33	12.68
-2703	4	26	733902.7741	12.803	7.818	0.94	7.44	8.85	10.26
-2702	9	10	734405.1335	145.812	167.370	0.10	18.50	18.62*	
-2701	8	30	734759.1284	134.531	174.721	0.31	18.33	18.79*	
-2700	2	24	734936.9601	313.768	3.694	0.88	13.99	15.13	16.26
-2693	4	6	737534.9636	353.529	181.083	0.23	14.74	15.54	16.34
-2693	10	1	737712.6706	166.373	3.210	0.46		5.72*	6.20
-2691	2	14	738214.9335	304.764	168.221	0.36	13.08	14.11	15.15
-2686	5	18	740133.9911	33.791	358.843	0.67	15.51	16.78	18.05
-2681	2	24	741876.8530	314.043	11.621	0.50	9.67	11.04	12.41
-2679	6	29	742732.8416	74.086	176.564	0.77	9.57	11.06	12.55
-2678	12	12	743264.0380	240.589	11.672	0.37	16.17	17.01	17.12*
-2676	4	27	743765.8938	14.309	171.602	0.19	12.22	13.24	14.26
-2675	10	11	744298.0104	177.538	3.130	0.21	15.37	16.22	17.06
-2674	9	30	744652.0138	166.101	10.327	0.48	15.15	16.33	17.51
-2672	2	15	745154.7518	304.979	176.084	0.34	6.81*	7.42	8.36
-2669	12	3	746541.9774	231.178	175.712	0.08	14.65	15.16	15.68
-2665	9	21	747929.7679	156.549	174.235	0.13	7.07	7.80	8.52
-2664	9	9	748283.8589	145.285	181.769	0.38	9.28	10.58	11.88
-2660	1	3	749494.9159	262.556	3.545	0.17	12.76	13.66	14.56
-2654	2	25	751740.0663	315.654	175.526	0.27	17.07	17.33*	
-2653	8	10	752270.8583	114.723	2.338	0.98	9.78	11.23	12.69
-2652	12	24	752772.7982	252.176	167.666	0.06	8.77	9.25	9.72
-2647	10	1	754515.1016	167.646	174.113	0.40	17.57	18.26*	
-2646	3	28	754692.9227	345.483	1.583	0.69	13.04	14.21	15.39
-2642	7	10	756257.8774	84.774	183.677	0.11	11.27	12.11	12.95
-2641	1	3	756434.7602	262.788	11.411	0.43	7.03*	7.80	8.74

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2639	5	8	757290.8576	24.765	178.463	0.57	10.59	11.97	13.35
-2639	11	2	757468.7010	199.941	3.100	0.69		6.29*	7.08
-2633	12	25	759712.7173	253.465	175.576	0.65		6.99*	7.59
-2631	6	8	760243.8681	54.312	4.195	0.64	10.43	12.06	13.70
-2627	3	28	761632.7730	345.713	9.503	0.93	7.34	8.67	10.01
-2625	8	1	762488.8047	106.020	174.724	0.35	8.27	9.36	10.44
-2622	5	30	763521.7336	45.446	168.917	0.15	6.94	7.58	8.22
-2621	11	13	764054.0494	211.152	3.117	0.21	16.87	17.52*	
-2620	11	1	764408.0263	199.628	10.190	0.62	15.44	16.71	17.71*
-2618	3	19	764910.6688	336.807	174.148	0.25		6.34*	6.60
-2611	10	23	767685.7798	189.974	173.996	0.24	7.37	8.30	9.24
-2607	8	11	769074.1352	116.809	174.263	0.34	18.62	19.00*	
-2606	2	4	769250.9181	295.295	2.568	0.28	13.00	14.00	15.00
-2600	3	29	771495.9613	347.293	173.368	0.51	14.27	15.47	16.66
-2599	9	11	772026.9182	147.563	1.417	0.48	11.95	13.13	14.31
-2597	1	26	772528.8312	286.123	166.913	0.34	9.19	10.35	11.51
-2592	4	29	774448.8503	16.794	359.022	0.12	11.44	12.09	12.74
-2588	8	11	776013.7984	116.849	182.019	0.48	7.47	8.81	10.14
-2587	2	4	776190.8119	295.559	10.482	0.94	8.20	9.56	10.93
-2585	6	10	777046.7724	56.003	175.917	0.93	7.57	8.81	10.05
-2585	12	5	777224.7383	233.531	3.083	0.71	6.80*	6.93	8.10
-2580	9	11	778966.8976	147.914	9.302	0.15	11.72	12.53	13.34
-2578	1	26	779468.7851	286.448	174.811	0.51	7.43	8.47	9.50
-2577	7	11	779999.7328	85.817	1.857	0.45	6.39	7.40	8.41
-2573	4	30	781388.6445	16.970	6.913	0.53		5.66*	6.39
-2571	9	2	782244.8109	138.619	173.582	0.12	8.79	9.49	10.19
-2567	6	20	783632.0797	66.489	175.101	0.90	17.83	18.71	19.04*
-2566	12	4	784164.0435	232.216	10.103	0.47	16.21	17.21*	
-2563	10	3	785197.6501	169.793	1.174	0.03		5.78*	5.79
-2559	7	21	786585.0362	96.435	1.229	0.47	16.49	17.45	18.41
-2557	11	25	787441.8079	223.585	173.938	0.64	7.74	9.13	10.51
-2555	5	10	787973.9313	27.343	6.022	0.21	13.48	14.41	15.34
-2552	3	8	789006.8759	327.355	0.867	0.09	12.19	12.80	13.41
-2546	5	1	791251.8118	18.520	170.781	0.39	8.81	10.08	11.36
-2545	4	20	791605.9142	7.927	178.931	0.58	12.60	14.16	15.73
-2543	2	27	792284.8194	318.398	165.449	0.10	9.46	10.11	10.76
-2540	7	21	793524.7549	96.554	9.020	0.25	6.83	7.57	8.31
-2536	10	4	795060.9732	171.575	165.219	0.05	14.91	15.27	15.63
-2534	9	13	795769.7606	149.618	181.016	0.70	6.13	7.42	8.71
-2533	3	9	795946.8061	327.676	8.745	0.89	8.42	9.72	11.01
-2531	7	12	796802.7146	87.609	173.669	0.64	5.85	6.81	7.76
-2530	1	6	796980.7361	266.779	2.647	0.31		7.04*	7.76
-2530	12	26	797334.7129	255.433	9.898	0.07		7.00*	7.11
-2526	10	14	798722.9754	181.301	9.051	0.81	13.75	15.06	16.38
-2524	2	28	799224.8046	318.756	173.333	0.59	8.29	9.49	10.68
-2523	8	12	799755.6608	117.913	0.191	0.19	5.01*	5.28	5.86
-2522	8	1	800110.0851	107.266	8.494	0.66	17.58	18.43	19.09*
-2518	5	21	801498.6317	37.551	12.452	0.35		5.33*	5.87
-2517	10	5	802000.8630	171.838	173.134	0.48	10.01	11.30	12.59
-2513	7	23	803388.0435	98.260	173.074	0.97	16.59	17.53	18.48
-2512	1	17	803566.0527	277.741	2.333	0.18	16.80	16.97*	
-2512	7	12	803742.7340	88.006	181.541	0.19	6.81	7.43	8.04
-2511	1	5	803920.0353	266.468	9.666	0.25	16.25	16.96*	
-2509	11	5	804953.7735	203.442	1.173	0.50	7.14	8.11	9.08
-2505	8	23	806340.9821	128.775	359.783	0.14	14.79	15.47	16.16
-2503	12	27	807197.8157	256.992	173.617	0.93	7.76	9.30	10.84
-2501	6	12	807729.7828	58.535	3.376	0.72	7.82	9.15	10.48
-2492	6	2	811007.6427	49.656	168.086	0.22	5.15*	5.37	5.99
-2491	5	22	811361.7092	39.020	176.148	0.51	5.92	6.98	8.05
-2490	11	5	811893.7043	203.746	9.080	0.02		6.36*	6.44
-2486	8	23	813280.7611	128.932	7.655	0.26	6.78	7.55	8.32
-2483	6	22	814315.0657	69.002	2.534	0.86	17.48	18.50	19.06*
-2480	10	15	815525.7711	182.946	180.658	0.69	6.42	7.69	8.95
-2479	4	10	815702.7662	359.225	6.432	0.57	7.75	8.78	9.82

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2477	8	14	816558.7150	119.796	172.081	0.07	6.14	6.50	6.86
-2473	6	2	817946.9722	49.407	175.212	0.61	14.99	16.29	17.59
-2472	11	15	818479.0713	214.975	9.123	0.53	16.90	17.46*	
-2470	4	1	818980.7784	350.456	171.197	1.00	7.75	8.97	10.19
-2469	9	14	819511.6571	150.702	359.289	0.17		5.46*	5.73
-2468	9	2	819866.1118	139.875	7.378	0.84	17.84	18.70	18.71*
-2463	11	6	821756.9408	205.445	173.109	0.74	12.34	13.83	15.31
-2461	4	21	822288.0823	9.656	5.583	0.11	18.06	18.21*	
-2460	4	10	822642.8006	359.633	14.290	0.06	8.98	9.41	9.83
-2459	8	24	823144.0632	130.675	171.723	0.92	16.70	17.61	18.53
-2458	2	18	823321.9690	310.141	0.949	0.52	14.61	15.80	16.99
-2458	8	14	823498.7460	120.205	179.935	0.79	6.32	7.39	8.46
-2457	2	7	823675.9778	299.116	8.567	0.32	14.44	15.46	16.48
-2448	1	29	826953.7872	289.851	172.761	0.90	7.05	8.52	9.99
-2447	7	14	827485.6464	90.080	1.053	0.04	5.01	5.27	5.52
-2446	7	3	827839.7126	79.275	8.963	0.49	5.53	6.52	7.51
-2436	12	7	831649.7942	237.394	9.122	0.59	7.51	8.73	9.95
-2433	4	12	832506.0958	1.307	178.234	0.05	18.06	18.07*	
-2432	9	24	833036.8266	161.985	7.022	0.41	8.64	9.76	10.87
-2429	7	25	834070.9457	100.710	0.433	0.64	13.28	14.76	16.25
-2428	7	13	834424.9958	89.825	8.247	0.10	16.08	16.66	17.24
-2426	5	23	835104.0101	40.501	355.034	0.03	16.83	17.09	17.35
-2426	11	17	835281.8041	216.543	180.612	0.35	7.43	8.51	9.58
-2425	5	13	835458.7092	30.472	3.816	0.16	6.82	7.34	7.86
-2419	7	4	837702.7950	80.758	172.728	0.16	8.14	9.03	9.91
-2418	6	23	838056.9208	70.065	180.814	0.50	12.63	14.06	15.49
-2416	5	3	838736.7213	21.775	168.636	0.49	6.58	7.45	8.33
-2415	10	16	839267.7085	184.083	359.022	0.39	6.03*	6.27	7.12
-2409	12	9	841513.0112	239.068	173.084	0.63	15.29	16.50	17.14*
-2407	5	23	842044.0186	40.890	2.904	0.73	16.25	17.22	18.19
-2406	5	13	842398.7243	30.879	11.654	0.55	6.50	7.40	8.31
-2405	9	26	842900.1372	163.759	171.070	0.00	18.35	18.32*	
-2404	9	15	843254.8064	153.082	179.045	0.98	7.85	9.10	10.36
-2403	3	11	843431.8656	331.095	6.725	0.94	10.25	11.94	13.63
-2401	7	15	844288.0752	91.326	171.984	0.73	17.62	18.61	19.14*
-2400	1	9	844465.9887	270.447	0.838	0.06	15.74	16.14	16.53
-2397	5	4	845676.7017	22.146	176.493	0.25	6.21	6.89	7.57
-2394	3	2	846709.7114	322.033	171.213	0.82	6.58*	6.63	7.79
-2392	12	30	847743.9348	261.133	165.031	0.17	13.26	14.08	14.91
-2381	1	9	851405.8461	270.681	8.750	0.90	8.94	10.61	12.28
-2379	5	14	852262.0049	32.539	175.629	0.75	15.90	16.96	18.02
-2378	10	27	852792.9333	195.543	6.915	0.82	12.23	13.62	15.02
-2376	3	12	853295.0050	332.629	170.517	0.02	16.39	16.62	16.85
-2375	8	26	853826.8697	133.057	359.004	0.40	9.88	11.42	12.96
-2374	8	15	854180.8769	121.910	6.495	0.25	10.47	11.82	13.17
-2373	12	31	854683.7049	261.295	172.862	0.18		7.02*	7.23
-2372	12	19	855037.8143	250.042	180.375	0.00	8.52	8.68	8.83
-2369	10	18	856070.8767	186.106	170.941	0.45	10.72	11.84	12.95
-2366	3	22	856956.7697	341.618	13.677	0.32	7.46	8.39	9.32
-2365	8	6	857458.6659	112.649	170.793	0.02	4.96*	5.10	5.32
-2364	7	25	857812.8231	101.795	178.759	0.98	8.31	9.95	11.59
-2359	10	27	859732.9622	195.946	14.750	0.06	14.17	14.62	15.08
-2354	1	10	861269.0451	272.312	172.667	0.49	16.41	16.96*	
-2353	6	25	861799.9680	72.269	0.400	0.82	14.49	15.66	16.83
-2352	6	14	862154.6439	62.148	9.070	0.97	5.01*	5.39	6.25
-2350	10	18	863010.9107	186.517	178.779	0.17	11.61	12.37	13.12
-2349	4	13	863187.7169	2.525	4.311	0.19	6.59	7.31	8.03
-2347	8	16	864043.9672	123.436	170.286	0.29	14.60	15.58	16.56
-2346	2	10	864222.0294	303.152	359.809	0.48	16.32	17.15	17.17*
-2343	6	5	865432.6049	53.361	173.892	0.35		5.11*	5.41
-2342	5	25	865786.9831	43.015	182.512	0.14	15.55	16.24	16.92
-2339	3	23	866820.0235	343.273	177.581	0.88	16.05	17.08	17.76*
-2331	4	23	869772.9981	12.920	3.437	0.51	15.58	16.67	17.76
-2327	2	10	871161.8400	303.341	7.704	0.77	9.09	10.73	12.36

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2325	6	16	872017.9087	63.804	173.080	0.21	13.01	13.93	14.86
-2324	11	28	872549.0567	229.250	6.984	0.60	16.66	17.26*	
-2321	9	28	873582.8469	166.062	358.302	0.13	9.32	10.22	11.12
-2320	9	16	873936.8232	154.679	5.516	0.49	7.93	9.43	10.92
-2318	2	1	874439.6992	294.138	172.005	0.25		6.92*	7.19
-2315	11	19	875827.0044	219.810	170.970	0.81	14.92	16.07	17.21
-2312	4	23	876712.6734	12.999	11.184	0.79	5.73*	6.13	7.07
-2310	8	27	877568.7906	134.181	177.405	0.70	7.22	8.58	9.93
-2303	4	14	879990.6452	4.220	176.017	0.05		5.88*	5.93
-2300	2	12	881025.0172	304.930	171.566	0.41	15.85	16.81	17.19*
-2299	7	27	881555.9500	104.100	358.389	0.28	13.82	14.70	15.58
-2293	9	18	883799.9253	156.234	169.333	0.16	13.12	13.99	14.86
-2292	3	14	883978.0109	335.178	358.042	0.44	15.97	16.82	17.63*
-2288	6	26	885542.8255	74.302	179.971	0.63	8.72	10.36	11.99
-2288	12	20	885719.7963	251.614	6.889	0.82	7.64	8.86	10.07
-2285	4	25	886575.9485	14.653	175.144	0.71	13.90	15.12	16.34
-2280	7	27	888495.9046	104.427	6.293	0.30	12.01	13.13	14.24
-2279	12	11	888997.7564	242.225	170.958	0.30	7.16	7.91	8.67
-2277	5	26	889528.8395	44.058	0.722	0.55	10.00	11.44	12.87
-2273	3	15	890917.7663	335.316	5.900	0.43	7.33	8.49	9.65
-2269	12	21	892659.8310	252.024	14.721	0.10	9.47	10.07	10.67
-2266	4	25	893515.9616	15.040	183.014	0.04	15.12	15.43	15.73
-2266	10	19	893692.8236	188.018	5.171	0.77	7.85	9.46	11.07
-2265	10	8	894046.9558	176.702	12.635	0.10	13.85	14.52	15.19
-2260	12	11	895937.7748	242.636	178.774	0.44	7.09	8.00	8.91
-2256	9	28	897324.8178	167.247	176.738	0.74	8.10	9.47	10.84
-2255	3	25	897503.0580	345.848	5.130	0.23	17.27	17.81*	
-2253	7	29	898359.1425	106.101	170.297	0.25	18.89	19.09*	
-2246	3	16	900780.9209	336.866	169.723	0.15	13.09	13.96	14.83
-2245	3	5	901134.9822	326.044	177.599	0.66	14.80	16.09	17.38
-2240	6	5	903053.8860	54.617	7.685	0.07	11.98	12.51	13.03
-2239	10	20	903555.9388	189.592	169.000	0.43	12.84	14.17	15.50
-2238	4	16	903733.9411	6.658	355.693	0.03	14.85	15.17	15.48
-2237	9	29	904264.7026	167.509	184.661	0.16	5.74*	6.09	6.61
-2234	7	29	905298.6998	106.034	177.913	0.81	4.95	6.07	7.19
-2233	1	22	905475.8799	284.727	6.315	0.53	10.95	12.22	13.49
-2231	5	27	906331.8722	45.867	172.545	0.25	11.42	12.40	13.39
-2226	8	29	908251.8944	136.865	4.979	0.71	10.88	12.43	13.97
-2224	1	13	908753.8509	275.517	170.520	1.01	9.44	10.88	12.31
-2218	4	5	911027.7367	356.111	11.604	0.53	6.30	7.48	8.65
-2216	8	8	911883.9973	116.758	177.340	0.46	14.89	15.99	17.10
-2214	1	22	912415.9074	285.148	14.125	0.17	11.98	12.79	13.61
-2212	5	27	913271.8978	46.283	180.369	0.55	12.08	13.32	14.57
-2212	11	20	913448.8498	221.629	5.114	0.71	8.69	10.39	12.09
-2211	11	9	913803.0247	210.313	12.619	0.33	15.67	16.60	17.53
-2205	7	8	915870.0068	85.901	357.462	0.08	16.28	16.73	17.19
-2202	10	31	917080.8994	200.776	176.651	0.47	10.79	12.07	13.34
-2201	4	27	917258.9146	17.136	2.600	0.87	12.49	14.04	15.59
-2199	8	30	918115.1209	138.533	169.019	0.60	18.12	18.73*	
-2192	4	17	920536.7659	8.265	167.278	0.07	7.97	8.52	9.06
-2191	4	6	920890.8133	357.578	175.263	0.65	8.52	10.16	11.81
-2186	7	8	922809.8241	86.117	5.331	0.59	8.84	10.08	11.33
-2185	11	22	923311.9786	223.215	168.947	0.68	14.03	15.48	16.94
-2179	2	23	925231.9065	317.207	4.961	0.77	12.14	13.38	14.63
-2173	4	17	927476.0844	7.989	174.399	0.10	18.10	18.18*	
-2172	9	30	928007.9319	169.948	4.397	0.69	12.09	13.56	15.04
-2170	2	14	928509.8995	308.189	169.428	0.69	11.59	12.93	14.27
-2168	7	18	929395.1492	96.723	4.681	0.01	19.15	19.13*	
-2162	9	10	931639.9353	149.361	176.178	0.74	12.15	13.72	15.28
-2159	7	9	932673.1316	87.831	169.356	0.21	18.97	19.14*	
-2158	6	29	933027.8469	77.691	177.912	1.00	9.75	11.20	12.65
-2158	12	23	933204.8713	255.111	4.938	0.37	10.01	11.54	13.07
-2151	2	14	935449.8864	308.570	177.280	0.07	11.98	12.54	13.11
-2146	5	18	937368.8044	37.636	7.938	0.55	8.20	9.57	10.93

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2137	5	9	940646.6165	28.748	172.558	0.34		5.47*	5.79
-2132	8	9	942565.8129	118.156	3.573	0.82	8.14	9.46	10.79
-2131	12	24	943068.0141	256.696	168.769	0.45	15.57	16.66	17.00*
-2129	6	9	943600.0144	58.672	358.947	0.52	16.21	17.30	18.38
-2128	5	28	943954.0665	48.014	6.982	0.16	18.13	18.72	18.82*
-2125	3	28	944987.8897	349.037	2.937	0.71	11.82	13.04	14.25
-2120	1	3	946729.8079	266.163	12.418	0.40	8.07	9.23	10.39
-2119	5	19	947231.8798	39.120	171.609	0.03	12.31	12.73	13.16
-2118	5	8	947586.0532	28.587	179.939	0.49	17.24	18.14	18.53*
-2118	11	2	947764.0006	203.490	4.319	0.31	15.11	16.06	17.02
-2116	3	18	948265.8958	340.198	167.622	0.06	12.47	12.93	13.39
-2112	12	24	950007.7152	256.769	176.561	0.50		7.00*	7.49
-2108	10	12	951395.9229	182.571	175.663	0.65	11.40	13.03	14.65
-2106	3	28	951927.8959	349.420	10.819	0.06	12.17	12.64	13.11
-2105	8	11	952429.1302	119.903	167.613	0.42	18.57	18.97*	
-2104	7	31	952783.8278	109.559	175.949	0.56	8.95	10.21	11.48
-2103	1	24	952960.8571	288.117	4.241	0.24	10.27	11.50	12.73
-2097	3	19	955205.8549	340.549	175.490	0.55	10.24	11.62	13.00
-2092	6	19	957124.6027	68.828	5.183	0.23		4.95*	5.21
-2085	8	1	959723.7361	109.842	183.863	0.01	6.97	7.13	7.28
-2082	11	24	960934.7150	225.937	4.347	0.77		6.70*	7.54
-2081	11	13	961288.8452	214.577	11.768	0.06	9.82	10.45	11.07
-2078	9	11	962321.8586	150.871	2.545	0.87	9.53	10.96	12.39
-2076	1	26	962824.0152	289.698	168.082	0.02	16.41	16.67	16.93
-2075	7	11	963355.8546	90.100	356.520	0.12	10.71	11.64	12.58
-2074	6	30	963709.8790	79.289	4.365	0.49	10.56	12.25	13.95
-2071	4	29	964743.8386	20.421	0.429	0.27	10.64	11.52	12.40
-2066	2	4	966485.8336	299.022	11.580	0.67	8.83	10.28	11.73
-2065	6	21	966987.6926	70.321	168.939	0.04	5.92	6.22	6.52
-2064	6	9	967341.9109	59.787	177.275	0.89	12.30	13.90	15.50
-2064	12	4	967520.0672	237.146	4.321	0.06	17.14	17.16*	
-2059	9	11	969261.8942	151.283	10.378	0.04	12.01	12.40	12.78
-2057	1	26	969763.7690	289.825	175.923	0.40	6.96	7.91	8.85
-2055	11	25	970797.8966	227.575	168.278	0.39	11.30	12.70	14.11
-2054	11	14	971151.9388	216.128	175.526	0.36	12.21	13.62	15.03
-2052	4	29	971683.8180	20.775	8.331	0.66	8.99	10.23	11.47
-2050	9	2	972539.8549	142.065	174.680	0.52	9.86	11.09	12.31
-2043	4	20	974961.7718	12.001	173.141	0.93	7.53	8.82	10.12
-2037	7	11	977234.6075	89.652	10.993	0.04		4.86*	4.89
-2031	9	2	979479.7178	142.311	182.581	0.40	5.50	6.39	7.27
-2028	12	26	980690.7672	259.434	4.195	0.50	7.02*	7.79	8.92
-2027	12	15	981044.8617	248.126	11.633	0.41	9.43	11.04	12.65
-2025	5	1	981547.0689	22.416	172.282	0.23	18.00	18.43*	
-2024	10	13	982077.9527	184.199	2.169	0.09	13.73	14.26	14.79
-2020	8	1	983465.7362	111.046	2.263	0.71	5.81	7.02	8.23
-2012	3	8	986241.8157	331.209	10.022	0.83	8.58	9.95	11.33
-2010	7	12	987097.8128	91.268	174.981	0.45	8.44	9.72	11.00
-2005	10	14	989017.9856	184.609	9.998	0.77	14.18	15.37	16.56
-2003	2	27	989519.7743	322.237	174.563	0.43	7.42	8.44	9.46
-2002	8	12	990051.0378	121.769	1.735	0.31	16.33	17.20	18.07
-2001	12	28	990553.9299	261.039	168.062	0.50	12.44	13.99	15.53
-2000	12	16	990907.9485	249.661	175.344	0.28	13.21	14.49	15.77
-1998	6	1	991439.7163	51.984	5.673	0.69	6.27	7.26	8.25
-1996	10	4	992295.9264	175.220	174.102	0.87	11.99	13.32	14.66
-1992	7	22	993683.1214	101.886	174.310	0.57	18.44	19.11*	
-1989	5	23	994717.6553	43.208	170.514	0.70	5.25*	5.72	6.62
-1988	5	11	995071.9362	32.789	179.013	0.74	13.35	14.90	16.44
-1988	11	4	995248.6995	206.635	2.149	0.74		6.40*	7.14
-1980	7	8	998052.0174	62.405	4.830	0.53	16.28	17.25	18.22
-1977	5	7	999084.9767	2.660	359.933	0.81	14.84	16.07	17.30
-1977	11	1	999262.7463	175.414	181.997	0.55	6.04	7.09	8.14
-1973	2	24	1000473.7708	292.421	3.490	0.10	7.42	8.06	8.69
-1972	2	13	1000827.8416	281.276	11.067	0.60	8.60	10.38	12.16
-1969	12	2	1002215.7282	207.041	9.981	0.00	6.84	6.91	6.99

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1966	9	30	1003248.6589	143.458	0.900	0.39		5.35*	5.88
-1961	7	9	1004991.6376	62.432	12.503	0.31	5.00*	5.02	5.70
-1961	12	3	1005139.0296	208.428	166.155	0.47	15.91	16.82	17.57*
-1958	5	7	1006024.7523	2.833	7.775	0.78	7.14	8.26	9.38
-1956	9	9	1006880.7640	123.325	173.227	0.08	7.32	7.83	8.33
-1949	4	1	1009275.7386	354.019	172.538	0.80	6.65	7.74	8.83
-1948	9	13	1009806.9828	154.409	0.625	0.05	14.90	15.34	15.78
-1946	1	29	1010309.9135	293.987	167.298	0.22	12.34	13.47	14.60
-1945	1	18	1010663.9237	282.788	174.739	0.49	12.31	13.91	15.52
-1944	7	3	1011195.6200	83.368	3.231	0.22		4.87*	5.30
-1942	11	6	1012052.0307	208.806	174.020	0.35	15.91	16.77	17.56*
-1939	4	10	1012937.7610	3.218	15.649	0.03	8.00	8.24	8.48
-1938	8	24	1013439.0985	134.155	172.825	0.66	17.55	18.41	18.79*
-1937	8	14	1013793.6868	123.629	181.147	0.44	5.07*	5.82	6.59
-1934	6	13	1014827.7516	63.944	176.306	0.86	6.60	7.94	9.27
-1934	12	7	1015004.8263	240.329	2.180	0.05	9.38	9.80	10.22
-1931	4	11	1015861.0500	4.514	171.724	0.12	17.49	17.93	18.32*
-1926	7	14	1017780.9277	93.920	2.529	0.89	12.63	14.15	15.67
-1923	11	6	1018991.8048	208.954	181.887	0.20	7.80	8.59	9.39
-1918	2	18	1020556.7629	313.793	9.798	0.84	6.70*	7.93	9.40
-1916	6	23	1021413.0276	74.376	175.464	0.96	16.41	17.56	18.71
-1915	12	7	1021944.8459	240.726	10.027	0.77	9.14	10.55	11.97
-1912	4	11	1022801.0859	4.924	179.567	0.31	17.84	18.13*	
-1911	9	24	1023331.8855	165.394	8.007	0.45	10.61	11.97	13.33
-1906	11	28	1025222.7688	231.270	174.038	0.67	7.04	8.11	9.18
-1904	5	12	1025753.6752	34.113	5.187	0.31	5.71	6.37	7.04
-1901	3	12	1026788.0021	335.364	1.365	0.94	15.43	16.62	17.63*
-1895	5	3	1029031.6762	25.384	170.051	0.79	5.52*	6.29	7.19
-1891	2	19	1030419.8433	315.286	173.456	0.71	9.02	10.88	12.74
-1886	5	23	1032338.9844	44.514	4.311	0.46	15.26	16.22	17.19
-1885	5	13	1032693.7030	34.515	13.046	0.42	6.08	6.83	7.59
-1883	9	15	1033549.7391	156.389	180.140	0.89	6.04	7.08	8.13
-1876	5	3	1035971.7118	25.808	177.859	0.05	6.86	7.18	7.50
-1872	8	15	1037536.8678	125.992	0.793	0.74	9.80	11.46	13.12
-1871	8	4	1037891.0692	115.146	8.806	0.51	17.17	18.11	19.02*
-1871	12	30	1038038.8945	264.428	165.986	0.36	11.50	12.64	13.78
-1862	7	26	1041168.8737	105.992	173.227	0.15	11.36	12.37	13.38
-1861	7	15	1041522.8902	95.101	180.984	0.52	10.84	12.51	14.19
-1860	1	9	1041700.9366	274.117	9.751	0.77	12.71	14.06	15.42
-1858	5	14	1042557.0242	36.217	176.992	1.01	16.35	17.35	18.35
-1858	11	7	1042733.6777	210.044	0.135	0.03		6.46*	6.47
-1857	10	27	1043087.9583	198.847	7.827	0.90	13.12	14.57	16.01
-1852	12	30	1044978.8591	264.771	173.880	0.56	9.55	10.94	12.34
-1848	10	17	1046365.8611	189.376	171.901	0.47	10.05	11.26	12.46
-1847	4	13	1046543.8585	6.860	359.029	0.13	11.72	12.53	13.34
-1846	4	2	1046897.9001	356.139	6.991	0.42	11.70	13.08	14.46
-1841	6	5	1048787.6077	56.636	167.415	0.17		5.07*	5.26
-1837	3	24	1050175.7058	347.132	171.458	0.89	6.17*	6.66	7.87
-1835	8	26	1051061.6789	136.697	7.843	0.32		5.25*	5.96
-1832	6	24	1052094.9183	75.854	1.758	0.95	12.52	13.92	15.31
-1831	6	14	1052449.6399	65.796	10.410	0.79	4.97*	5.25	6.05
-1829	10	18	1053305.8371	189.746	179.761	0.48	8.87	9.94	11.00
-1825	2	10	1054516.9887	306.566	0.936	0.51	15.13	16.04	16.94
-1822	6	5	1055727.6420	57.059	175.225	0.55	5.06*	5.41	6.16
-1821	11	18	1056258.6897	221.293	7.873	0.02		6.63*	6.63
-1818	9	17	1057292.8611	158.712	359.830	0.38	9.56	10.89	12.22
-1817	9	6	1057646.9937	147.583	7.491	0.74	14.49	15.85	17.21
-1807	8	16	1061278.7796	127.118	179.167	0.95	6.64	8.11	9.59
-1806	2	10	1061456.9743	306.930	8.826	0.34	14.37	15.26	16.16
-1804	6	15	1062312.9554	67.502	174.395	0.57	14.30	15.40	16.50
-1804	12	9	1062489.7216	243.659	0.095	0.12		6.90*	7.20
-1803	11	28	1062844.0527	232.528	7.872	0.66	16.52	17.22*	
-1797	2	1	1064734.9003	297.763	173.164	0.71	11.45	12.98	14.51
-1794	11	19	1066121.9623	223.043	171.872	0.73	13.42	14.75	16.07

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1792	5	4	1066653.7090	27.373	4.322	0.31	6.26	7.14	8.01
-1790	9	7	1067510.0819	149.117	171.271	0.94	17.04	18.12	18.56*
-1785	6	16	1069252.8337	67.760	182.308	0.22	9.75	10.76	11.77
-1782	4	14	1070285.7674	7.977	177.327	0.20	7.85	8.66	9.48
-1778	7	27	1071850.8898	107.597	359.653	0.63	11.18	12.54	13.89
-1775	5	26	1072884.9396	48.403	355.354	0.07	14.65	15.23	15.82
-1774	5	15	1073238.9731	37.750	3.368	0.53	14.81	16.09	17.37
-1771	3	14	1074272.9954	338.724	359.265	0.60	15.38	16.32	17.26
-1767	12	20	1076014.7787	254.909	7.814	0.96	7.05	8.29	9.53
-1764	4	24	1076871.0577	18.414	176.467	0.89	17.26	18.25	18.36*
-1763	10	8	1077402.9680	180.665	6.852	0.89	13.31	14.92	16.53
-1759	7	27	1078790.9271	108.010	7.492	0.22	13.07	13.92	14.77
-1758	12	11	1079292.7037	245.469	171.884	0.11		6.92*	7.10
-1753	9	18	1081034.7375	159.907	178.100	0.75	5.65	6.86	8.06
-1752	3	14	1081212.9526	339.060	7.174	0.34	13.80	14.76	15.71
-1750	7	18	1082068.9062	99.091	172.141	0.16	12.83	13.58	14.32
-1743	3	5	1084490.8806	330.078	171.737	0.81	10.86	12.44	14.02
-1740	12	21	1085878.0669	256.645	171.808	0.06	16.99	17.00*	
-1739	12	11	1086232.7111	245.868	179.708	0.28		6.92*	7.22
-1737	5	26	1086763.7217	48.010	9.889	0.63	6.17	7.18	8.19
-1736	10	9	1087266.0490	182.217	170.579	0.91	16.11	17.34	18.01*
-1731	7	18	1089008.7332	99.296	180.039	0.53	6.06	7.10	8.15
-1728	5	16	1090041.6461	39.210	174.744	0.55	5.30*	5.51	6.33
-1724	8	28	1091606.9114	139.957	358.218	0.07	12.41	12.92	13.43
-1720	6	16	1092994.7827	68.908	0.630	0.37	8.00	9.16	10.31
-1717	4	16	1094028.9562	10.314	356.984	0.31	14.61	15.45	16.28
-1716	9	28	1094559.7169	170.880	185.611	0.01	6.25	6.35	6.46
-1713	7	29	1095594.0371	109.930	179.384	0.01	16.88	16.99	17.10
-1712	1	22	1095770.8440	288.100	7.323	0.63	9.36	10.78	12.20
-1710	5	27	1096626.9377	49.614	173.846	0.37	13.87	14.97	16.06
-1709	11	10	1097158.9733	214.182	6.647	0.71	13.71	15.29	16.86
-1708	10	29	1097512.9559	202.678	13.746	0.05	13.98	14.53	15.09
-1705	8	29	1098546.9396	140.363	6.060	0.81	12.72	14.03	15.35
-1703	1	12	1099048.7910	278.823	171.549	0.95	7.54	8.78	10.03
-1702	6	27	1099580.0607	79.349	359.793	0.32	17.46	18.26	19.06
-1699	10	20	1100790.7544	193.094	177.691	0.78	6.24	7.44	8.65
-1698	4	16	1100968.8752	10.614	4.904	0.86	10.97	12.41	13.86
-1696	8	19	1101824.8944	131.238	170.492	0.03	12.62	12.95	13.27
-1693	1	22	1102710.8430	288.475	15.188	0.20	9.66	10.51	11.37
-1691	5	27	1103566.8476	49.904	181.759	0.21	10.57	11.45	12.33
-1689	4	7	1104246.7995	1.768	169.642	0.47	8.37	9.61	10.86
-1688	3	26	1104601.0345	351.196	177.949	0.87	16.43	17.57	17.90*
-1683	6	27	1106519.6014	75.300	7.341	0.29		4.88*	5.11
-1682	11	11	1107022.0581	215.727	170.378	0.68	16.55	17.45*	
-1677	2	23	1108587.0472	320.471	358.240	0.36	16.88	17.40*	
-1677	8	20	1108764.6681	131.392	178.357	0.87	5.17*	5.18	6.18
-1668	9	8	1112072.1242	151.519	13.621	0.04	18.45	18.53*	
-1665	7	8	1113104.9054	89.809	6.591	0.17	12.34	13.24	14.15
-1661	4	27	1114493.7570	21.035	11.683	0.36	7.06	8.06	9.06
-1659	8	30	1115349.9897	142.238	177.951	0.20	14.55	15.35	16.14
-1658	2	23	1115526.8668	320.661	6.149	0.75	10.59	11.96	13.33
-1655	12	12	1116914.9898	247.745	6.551	0.84	14.62	16.06	17.06*
-1654	12	1	1117268.9970	236.288	13.733	0.05	15.36	15.84	16.33
-1651	9	30	1118302.9977	173.378	5.346	0.56	14.69	15.75	16.81
-1649	2	14	1118804.8342	311.601	170.565	0.98	9.07	10.52	11.97
-1648	7	29	1119335.9229	111.015	357.601	0.17	12.75	13.74	14.73
-1645	11	22	1120546.8034	226.702	177.623	0.68	7.49	8.78	10.06
-1644	5	18	1120724.7591	41.852	2.277	0.27	7.84	8.68	9.52
-1642	9	21	1121580.9273	164.051	169.550	0.35	12.77	13.79	14.82
-1639	2	23	1122466.8817	321.067	13.974	0.03	11.58	11.93	12.28
-1637	6	29	1123322.7881	81.274	179.246	0.71	7.87	9.06	10.24
-1635	5	9	1124002.6715	33.054	167.094	0.15	5.55	6.08	6.62
-1634	4	28	1124356.8589	22.534	175.411	0.87	10.06	11.91	13.75
-1634	10	22	1124533.7217	195.304	357.339	0.06	6.44	6.78	7.13

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1626	5	29	1127310.0517	52.243	1.398	0.89	17.14	18.16	18.88*
-1623	3	27	1128342.9742	352.336	356.329	0.16	15.42	16.06	16.71
-1623	9	21	1128520.6481	164.149	177.364	0.03		5.69*	5.67
-1622	9	10	1128874.7239	152.953	184.908	0.05	5.97	6.36	6.76
-1615	10	22	1131473.7240	195.683	5.195	0.68	6.22*	6.75	7.72
-1611	8	9	1132860.8487	121.724	4.702	0.58	9.23	10.68	12.13
-1605	10	2	1135105.9824	175.209	177.165	0.14	14.26	14.99	15.72
-1604	3	27	1135282.8377	352.593	4.210	0.57	10.00	11.20	12.40
-1600	1	14	1136670.9750	280.991	6.078	0.89	14.22	15.64	16.99*
-1595	3	18	1138560.8313	343.717	168.874	0.50	9.45	10.65	11.85
-1591	1	4	1139948.7381	271.498	169.984	0.22	7.04*	7.76	8.08
-1591	12	24	1140302.8545	260.239	177.503	0.10	9.70	10.41	11.13
-1589	6	9	1140834.8419	62.559	8.011	0.15	9.61	10.50	11.39
-1588	10	23	1141337.0018	197.423	169.239	0.83	14.79	16.00	17.22
-1585	3	28	1142222.8709	353.003	12.057	0.05	11.30	11.72	12.14
-1584	8	10	1142724.1125	123.414	168.750	0.68	18.08	18.89	18.93*
-1583	7	31	1143078.7650	113.061	177.176	0.81	6.87	8.00	9.13
-1580	5	30	1144112.6604	53.660	172.649	0.88	5.11*	5.67	6.71
-1576	3	18	1145500.8653	344.141	176.679	0.42	10.85	12.01	13.16
-1574	8	20	1146386.1159	132.834	12.121	0.42	18.13	18.80	18.81*
-1572	6	30	1147065.9273	83.555	358.868	0.56	12.86	14.29	15.71
-1571	6	19	1147420.1153	72.968	7.135	0.30	18.75	19.08*	
-1569	10	24	1148276.6705	197.467	176.991	0.09		6.25*	6.32
-1568	10	12	1148630.6972	186.059	184.263	0.15		6.06*	6.43
-1565	8	11	1149664.1027	123.786	176.637	0.07	18.14	18.43	18.72
-1561	5	30	1151051.9717	53.382	179.754	0.58	14.65	15.95	17.25
-1561	11	24	1151229.8293	229.349	5.227	0.67	8.54	9.88	11.21
-1557	9	11	1152616.8562	154.297	3.547	0.97	9.30	10.84	12.38
-1550	4	29	1155038.7812	24.036	1.774	0.12	8.94	9.51	10.08
-1546	2	15	1156426.9047	313.658	4.926	0.81	11.83	13.48	15.13
-1537	2	6	1159704.6956	304.357	169.098	0.11		6.82*	7.01
-1536	1	26	1160058.8761	293.352	176.930	0.05	11.34	11.92	12.49
-1535	7	11	1160590.6659	93.919	5.485	0.84	4.86*	5.39	6.40
-1532	5	9	1161624.0936	34.456	0.904	0.54	18.16	18.62*	
-1531	4	29	1161978.8211	24.452	9.616	0.45	9.21	10.24	11.27
-1530	9	12	1162480.1365	156.023	167.603	0.04	18.43	18.45*	
-1529	9	2	1162834.7908	145.467	175.768	0.49	7.71	8.75	9.79
-1524	12	4	1164754.9066	240.665	13.012	0.29	11.48	12.79	14.11
-1522	4	20	1165256.8192	15.707	174.402	0.94	9.06	10.42	11.78
-1518	8	2	1166821.8220	115.293	356.761	0.11	9.23	9.98	10.73
-1517	7	22	1167175.9457	104.481	4.733	0.61	13.27	14.79	16.31
-1515	11	25	1168032.7071	231.075	176.889	0.51		6.76*	7.34
-1510	9	2	1169774.8013	145.855	183.630	0.27	7.90	8.78	9.65
-1507	7	1	1170807.8023	84.654	177.164	0.85	7.72	9.31	10.90
-1507	12	26	1170985.9226	262.920	5.156	0.42	12.60	13.83	15.06
-1503	10	13	1172372.9214	187.505	3.084	0.34	12.04	13.16	14.29
-1498	12	17	1174263.8146	253.478	169.201	0.39	8.57	9.70	10.84
-1497	12	6	1174618.0538	242.268	176.870	0.03	17.09	17.11*	
-1492	3	19	1176182.7823	345.648	3.075	0.11	8.58	9.31	10.04
-1490	7	23	1177039.0258	105.980	168.481	0.12	16.89	17.44	17.99
-1489	7	12	1177393.0860	95.169	176.372	0.44	17.72	18.54	19.13*
-1485	5	1	1178781.9799	26.379	181.473	0.33	15.15	16.10	17.04
-1484	10	13	1179312.9070	187.871	10.958	0.40	11.65	12.77	13.89
-1482	2	27	1179814.8530	325.835	175.680	0.40	10.08	11.40	12.72
-1478	6	11	1181380.0286	65.719	358.265	0.35	16.63	17.38	18.12
-1477	6	1	1181734.7519	55.703	6.970	0.98	7.07	8.14	9.21
-1475	10	4	1182590.8672	178.525	175.067	0.94	9.97	11.28	12.60
-1474	3	30	1182768.0658	356.178	2.327	0.54	17.32	17.98*	
-1469	1	6	1184510.9374	274.071	12.757	0.17	12.95	13.90	14.85
-1468	5	22	1185012.7443	46.980	171.818	0.66	6.91	7.95	8.99
-1463	8	23	1186931.8275	136.557	2.983	0.83	7.91	9.68	11.44
-1461	12	28	1187788.7328	264.567	176.699	0.66		7.03*	7.91
-1459	6	11	1188320.0593	66.140	6.084	0.52	17.39	18.20	19.02
-1458	6	1	1188674.6348	55.982	14.855	0.05		5.08*	5.30

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1453	8	3	1190563.6807	116.364	175.046	0.64	5.00*	5.50	6.49
-1452	1	28	1190741.9740	296.044	4.594	0.90	14.35	15.56	16.77
-1450	6	2	1191598.0516	57.392	170.956	0.28	17.58	18.27	18.85
-1449	11	15	1192129.0235	221.119	3.055	0.12	16.37	16.90	17.37*
-1443	1	18	1194019.8652	286.746	168.801	0.64	9.95	11.58	13.20
-1440	11	5	1195406.9531	211.658	167.056	0.49	13.45	14.59	15.73
-1437	4	10	1196292.8626	6.572	9.044	0.34	10.45	11.58	12.71
-1435	8	13	1197148.9872	127.070	174.485	0.87	14.45	15.72	16.98
-1431	6	2	1198537.8429	57.573	178.818	0.75	9.52	11.16	12.80
-1430	11	15	1199069.0263	221.505	10.898	0.70	15.69	16.71	17.37*
-1428	3	31	1199570.7853	357.691	173.737	0.76	7.83	9.16	10.48
-1423	7	3	1201490.6855	87.088	4.462	0.66	5.30	6.16	7.02
-1421	11	6	1202346.9789	212.070	174.882	0.23	14.33	15.12	15.91
-1420	5	1	1202523.8909	27.502	359.746	0.58	11.90	13.43	14.97
-1416	8	13	1204088.6819	127.164	182.249	0.26	5.12*	5.63	6.28
-1415	2	7	1204266.9128	306.942	11.884	0.12	12.20	13.04	13.87
-1414	6	24	1204768.6624	78.285	169.755	0.22	5.02	5.58	6.14
-1413	6	13	1205123.1268	67.990	177.931	0.04	19.02	19.04*	
-1413	12	7	1205299.7610	243.579	3.056	0.45	6.90*	7.77	8.71
-1410	4	11	1206156.0869	8.199	172.952	0.00	18.21	18.19*	
-1409	9	25	1206687.7695	169.295	1.978	0.85	6.31	7.70	9.10
-1406	1	29	1207544.7150	297.599	176.024	0.37		6.89*	7.39
-1405	7	14	1208076.0035	97.627	3.732	1.01	15.34	16.44	17.54
-1398	3	1	1210497.9630	328.519	3.304	0.97	14.08	15.32	16.56
-1394	12	7	1212239.7754	243.971	10.900	0.41	7.39	8.32	9.25
-1391	4	11	1213096.0201	8.510	180.855	0.42	16.21	17.03	17.84
-1390	9	24	1213627.1213	169.036	9.115	0.27	17.98	18.23*	
-1389	2	20	1213775.8554	319.407	167.729	0.32	10.10	11.37	12.65
-1388	2	9	1214130.0252	308.478	175.621	0.96	15.94	17.14	17.24*
-1385	11	28	1215517.7273	234.538	174.878	0.69	6.80*	7.03	7.95
-1383	5	12	1216048.7426	37.871	6.456	0.81	6.86	7.97	9.09
-1381	9	15	1216904.9488	159.652	173.276	0.94	12.86	14.30	15.74
-1377	7	5	1218293.7062	88.996	176.308	0.93	5.34	6.44	7.54
-1374	5	3	1219326.6923	29.088	171.313	0.88	5.61	6.61	7.61
-1369	8	5	1221246.6473	118.897	2.445	0.50		5.02*	5.73
-1368	7	24	1221601.1212	108.416	10.917	0.29	18.58	19.07*	
-1365	5	23	1222634.0386	48.267	5.578	0.34	17.03	17.82	18.61
-1364	5	12	1222988.6430	38.153	14.370	0.31	5.32*	5.40	6.00
-1362	9	15	1223844.7018	159.787	181.124	0.70	5.61*	6.07	7.02
-1361	3	12	1224022.8232	339.136	10.271	0.58	8.58	10.09	11.60
-1359	7	15	1224878.9959	99.426	175.539	0.88	15.09	16.30	17.52
-1355	10	27	1226443.7558	202.612	1.547	0.65	6.34*	7.38	8.63
-1354	10	16	1226797.7978	191.213	8.830	0.16	7.94	8.73	9.53
-1351	8	15	1227831.9780	129.630	1.928	0.48	14.26	15.31	16.36
-1350	12	30	1228333.8106	267.684	166.949	0.25	8.80	9.68	10.55
-1348	6	13	1228864.9899	69.046	356.121	0.05	16.07	16.47	16.87
-1344	4	2	1230253.8905	0.340	1.317	0.60	11.90	13.26	14.62
-1339	1	8	1231995.8831	277.440	10.667	0.85	10.65	12.11	13.56
-1337	5	14	1232851.9606	39.854	178.320	0.88	14.26	15.45	16.64
-1334	3	13	1233885.9199	340.639	173.973	0.78	12.42	14.07	15.72
-1331	12	30	1235273.8403	268.106	174.748	0.44	9.11	10.26	11.41
-1329	6	14	1235804.6327	69.096	3.826	0.24	4.95*	5.17	5.72
-1327	10	17	1236660.9755	192.850	172.779	0.72	13.71	15.08	16.44
-1322	7	26	1238403.6689	109.778	182.099	0.05	4.98	5.32	5.65
-1320	6	4	1239082.5963	60.319	168.701	0.05		5.03*	5.06
-1315	9	6	1241002.6513	151.329	1.115	0.29		5.47*	5.76
-1314	8	26	1241357.0556	140.572	9.299	0.63	16.48	17.49	18.50
-1311	6	24	1242389.9365	79.543	3.005	0.75	13.16	14.55	15.94
-1308	10	17	1243600.7766	193.031	180.659	0.61	7.05	8.10	9.14
-1307	4	13	1243778.6724	10.723	7.985	0.77	5.77*	6.01	7.08
-1305	8	17	1244634.8979	131.375	173.679	0.47	11.52	12.94	14.35
-1304	2	10	1244811.9129	309.959	2.008	0.28	12.91	13.80	14.68
-1304	8	5	1244988.9544	120.417	181.429	0.03	13.85	14.25	14.66
-1301	11	29	1246199.7714	236.189	1.440	0.31	6.82*	7.80	8.81

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1300	11	17	1246553.8457	224.777	8.750	0.69	8.85	10.45	12.04
-1295	1	31	1248089.8834	300.805	166.298	0.29	11.27	12.31	13.34
-1285	2	10	1251751.9479	310.373	9.843	0.34	13.46	14.37	15.29
-1283	6	15	1252607.8984	71.134	175.707	0.66	11.94	13.26	14.58
-1280	4	14	1253641.7571	12.206	171.676	0.76	6.84	8.23	9.62
-1278	9	17	1254527.7034	162.382	8.611	0.04	5.66*	5.84	6.13
-1276	2	1	1255029.9149	301.216	174.129	0.60	12.23	13.52	14.81
-1273	11	19	1256417.0414	226.435	172.704	0.68	16.20	17.30*	
-1272	5	15	1256595.0502	42.095	357.911	0.39	17.30	18.15	18.74*
-1264	6	15	1259547.9175	71.530	183.563	0.07	13.14	13.68	14.21
-1261	4	14	1260581.0792	11.933	178.798	0.46	17.74	18.25*	
-1261	10	9	1260758.7008	184.403	0.496	0.62	6.03*	6.15	7.08
-1260	9	27	1261113.0369	173.386	8.395	0.91	15.76	16.95	18.15
-1257	7	27	1262145.8732	111.183	0.819	0.81	10.28	11.83	13.38
-1251	9	18	1264390.8476	163.974	172.508	0.19	9.92	10.93	11.93
-1250	3	14	1264567.9214	342.227	0.452	0.45	13.16	14.17	15.19
-1250	9	7	1264744.8578	152.756	179.943	0.63	8.92	10.57	12.23
-1246	12	20	1266309.9045	258.361	8.716	0.95	11.17	12.93	14.69
-1237	12	11	1269587.7590	248.854	172.699	0.57	6.95*	7.83	8.90
-1235	5	26	1270119.7476	52.304	4.345	0.64	6.79	8.01	9.22
-1231	3	14	1271507.9573	342.647	8.283	0.16	14.17	14.81	15.44
-1229	7	18	1272363.8552	102.678	173.355	0.20	10.58	11.42	12.26
-1225	5	6	1273751.6314	32.782	177.052	0.09		5.40*	5.60
-1224	10	19	1274283.7117	195.585	8.118	0.11	6.22*	6.26	6.78
-1222	3	5	1274785.9337	333.683	172.810	0.77	13.02	14.30	15.59
-1217	6	6	1276705.0147	62.679	3.423	0.71	16.09	17.30	18.51
-1210	7	18	1279303.8517	103.054	181.232	0.58	9.57	10.95	12.33
-1207	5	16	1280336.9090	43.169	176.162	0.72	12.22	13.87	15.53
-1207	11	10	1280514.7817	217.937	0.383	0.22	7.50	8.29	9.08
-1206	10	30	1280869.0579	206.743	8.079	0.89	16.51	17.60*	
-1203	8	28	1281901.8647	143.417	359.273	0.38	10.02	11.21	12.40
-1197	10	21	1284146.8430	197.172	171.977	0.34	9.41	10.65	11.90
-1196	4	15	1284323.8879	13.911	358.253	0.20	12.49	13.26	14.03
-1196	10	9	1284500.8203	185.743	179.160	0.73	7.73	9.23	10.72
-1191	1	21	1286065.9353	291.606	8.261	0.74	12.73	14.15	15.57
-1185	3	16	1288311.0754	344.558	180.092	0.25	17.50	17.78*	
-1184	8	28	1288841.8681	143.814	7.111	0.40	10.25	11.39	12.53
-1182	1	12	1289343.8162	282.252	172.406	0.86	8.09	9.56	11.02
-1180	6	16	1290229.6048	72.822	9.621	0.27		4.92*	5.16
-1180	11	11	1290378.0104	219.640	164.356	0.03	16.18	16.49	16.80
-1177	4	16	1291263.9196	14.321	6.102	0.42	12.74	13.80	14.86
-1175	8	19	1292119.8538	134.740	171.580	0.01	11.18	11.30	11.42
-1174	2	12	1292297.0628	313.513	0.068	0.21	17.09	17.30*	
-1170	5	27	1293861.8603	53.624	183.017	0.07	11.29	11.85	12.42
-1170	11	21	1294039.7476	229.145	8.029	0.42	6.74*	7.31	8.34
-1168	4	6	1294541.8998	5.510	170.834	0.24	12.31	13.25	14.19
-1163	7	8	1296460.8226	93.976	0.787	0.71	8.33	10.03	11.73
-1158	4	16	1298203.7746	14.574	13.985	0.04	8.15	8.50	8.86
-1156	8	19	1299059.8179	135.095	179.446	0.92	8.09	9.50	10.91
-1153	6	18	1300092.7452	74.365	173.478	0.56	6.46	7.59	8.71
-1143	11	22	1303902.8642	230.722	171.824	0.73	9.52	11.25	12.98
-1142	11	11	1304256.8267	219.198	178.890	0.46	8.03	9.32	10.62
-1137	2	23	1305821.9261	324.249	7.165	0.63	12.60	13.90	15.20
-1135	6	28	1306678.0327	84.807	172.650	0.66	16.58	17.59	18.60
-1131	4	17	1308066.9680	16.160	177.885	0.89	14.45	15.80	17.14
-1130	9	30	1308597.9319	176.731	6.268	0.89	12.26	13.60	14.94
-1128	2	14	1309099.8378	315.105	171.545	0.95	9.10	10.67	12.24
-1123	5	18	1311019.8429	45.646	3.509	0.99	9.85	11.23	12.61
-1121	9	21	1311875.8962	167.466	170.478	0.36	11.66	12.67	13.67
-1120	3	16	1312052.9615	345.661	358.364	0.40	14.64	15.72	16.79
-1118	2	23	1312761.8077	324.508	15.067	0.16	8.72	9.44	10.16
-1116	6	28	1313617.7708	84.935	180.483	0.46	7.37	8.41	9.46
-1116	12	23	1313795.7757	262.690	7.904	0.87	7.02*	8.08	9.50
-1109	8	10	1316216.6732	125.725	358.670	0.04	5.17	5.48	5.79

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1108	7	29	1316570.7540	114.848	6.522	0.48	6.20	7.27	8.34
-1104	5	18	1317959.6476	45.838	11.393	0.61	5.21*	5.41	6.27
-1102	9	21	1318815.8313	167.781	178.380	0.90	8.47	9.86	11.25
-1099	7	20	1319848.6195	105.838	171.116	0.03		4.91*	4.93
-1090	8	9	1323156.0579	125.504	5.919	0.89	16.59	17.66	18.72
-1089	12	25	1323658.8794	264.245	171.642	0.92	9.93	11.92	13.91
-1088	12	13	1324012.8469	252.775	178.762	0.04	9.42	9.91	10.40
-1083	3	27	1325577.8721	356.244	5.356	0.96	10.80	12.25	13.70
-1081	7	31	1326433.9239	116.439	170.455	0.06	13.76	14.24	14.72
-1077	5	20	1327822.8184	47.402	175.281	0.82	8.62	10.22	11.82
-1076	5	8	1328176.9297	36.812	183.446	0.02	14.24	14.55	14.85
-1076	11	1	1328354.0363	210.183	6.015	0.54	16.15	17.07	17.54*
-1074	3	18	1328855.8135	347.305	169.973	0.66	8.68	10.03	11.37
-1069	6	20	1330775.7582	76.915	0.899	0.33	7.47	8.33	9.18
-1067	10	23	1331631.9859	200.776	170.052	1.00	14.28	15.48	16.69
-1064	3	27	1332517.7929	356.556	13.238	0.31	8.32	9.18	10.05
-1062	7	31	1333373.7192	116.623	178.336	0.93	5.58	6.62	7.66
-1061	1	25	1333551.7645	295.855	7.342	0.74	6.91*	7.85	9.27
-1059	5	30	1334408.0982	57.788	174.391	0.63	18.33	18.94*	
-1057	11	2	1335293.9943	210.520	13.897	0.20	14.94	15.73	16.51
-1054	8	31	1336326.6843	147.046	4.937	0.73	5.41*	5.47	6.46
-1053	8	20	1336681.0913	136.353	13.187	0.16	17.77	18.27	18.76*
-1051	6	30	1337361.0661	97.382	0.091	0.27	17.49	18.14	18.78
-1048	10	23	1338571.8858	201.055	177.957	0.35	10.38	11.53	12.68
-1044	2	16	1339782.9218	317.776	359.163	0.05	14.02	14.45	14.88
-1044	8	10	1339959.0445	127.316	177.733	0.07	16.61	16.97	17.33
-1040	11	23	1341524.7827	232.641	6.008	0.93	7.33	8.49	9.65
-1036	9	10	1342912.0071	157.936	4.559	0.56	14.97	16.11	17.26
-1034	1	26	1343414.8531	297.390	171.012	0.86	9.15	11.13	13.11
-1032	6	30	1344300.7912	87.495	7.909	0.29	7.62	8.59	9.55
-1029	4	29	1345333.7868	27.731	2.993	0.40	8.53	9.55	10.56
-1023	6	21	1347578.6535	78.601	172.615	0.71	4.89*	5.27	6.22
-1022	6	10	1347932.7258	67.949	180.675	0.07	6.71	7.19	7.67
-1020	4	19	1348611.7523	18.940	167.786	0.24	7.44	8.19	8.95
-1014	7	11	1350886.0798	97.986	7.116	0.69	17.54	18.49	19.12*
-1011	5	9	1351919.0883	38.160	2.131	0.72	18.03	18.68*	
-1010	4	29	1352273.7479	28.077	10.883	0.64	7.05	8.02	8.99
-1008	9	1	1353129.7200	148.910	176.806	0.63	5.62	6.58	7.53
-1007	2	26	1353307.6922	328.403	6.079	0.43		6.48*	7.16
-1005	7	2	1354163.9335	89.049	171.773	0.11	14.17	14.88	15.58
-1004	6	20	1354517.9931	78.354	179.776	0.38	15.24	16.32	17.39
-1001	4	20	1355551.7549	19.326	175.640	0.49	7.39	8.34	9.30
-1000	10	2	1356082.6796	179.917	4.084	0.50		5.95*	6.48
-999	9	21	1356437.1176	169.053	12.134	0.22	18.00	18.23*	
-990	9	12	1359715.0645	159.825	176.441	0.00	17.29	17.38	17.47
-989	3	9	1359892.9852	339.106	5.478	0.37	14.91	15.96	17.01
-989	9	2	1360069.7420	149.327	184.629	0.15	6.56	7.11	7.66
-986	12	26	1361280.9006	266.760	5.964	0.46	11.72	12.95	14.19
-983	4	30	1362137.0715	29.789	174.816	0.77	17.65	18.50	18.55*
-982	10	13	1362668.0257	191.002	3.956	0.26	15.95	16.77	17.60
-980	2	28	1363170.7748	329.904	169.750	0.62	7.07	8.53	10.00
-979	2	16	1363524.8049	318.861	177.370	0.05	8.78	9.28	9.78
-978	8	2	1364056.6662	119.135	5.699	0.86	5.03*	5.13	6.11
-977	12	17	1364558.8421	256.853	169.986	0.75	9.22	10.60	11.98
-973	10	4	1365945.8919	181.584	168.079	0.03	12.37	12.73	13.09
-967	12	26	1368220.8046	266.557	13.843	0.17	8.35	9.17	9.99
-960	8	12	1370641.9645	129.810	5.083	0.88	13.59	15.05	16.50
-957	6	11	1371674.9962	69.406	359.499	0.61	15.44	16.50	17.55
-956	5	31	1372029.6846	59.359	8.243	1.00	5.45	6.34	7.23
-954	10	4	1372885.7781	181.853	175.989	0.61	7.31	8.37	9.43
-950	7	23	1374273.8173	109.803	177.330	0.71	7.86	9.55	11.25
-947	5	22	1375307.6959	50.654	173.072	1.01	5.73	6.67	7.61
-946	11	4	1375838.7290	213.324	3.834	0.96	6.51*	6.86	7.96
-940	12	27	1378084.0276	268.232	177.800	0.16	16.49	16.97*	

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-938	6	11	1378614.9949	69.795	7.348	0.14	15.88	16.42	16.96
-935	4	10	1379648.8326	10.796	3.281	0.62	9.53	11.10	12.67
-935	10	4	1379825.8064	182.276	183.800	0.07	8.41	8.86	9.30
-933	8	14	1380505.0862	131.359	168.926	0.55	17.47	18.39	18.83*
-932	8	2	1380859.1002	120.402	176.617	0.19	17.94	18.55	18.96*
-931	1	27	1381036.9801	299.504	5.452	0.94	14.50	15.62	16.74
-929	6	2	1381893.0055	61.081	172.176	0.36	16.14	16.92	17.69
-925	3	21	1383280.7136	350.975	175.690	0.34	6.11*	6.82	7.72
-922	1	18	1384314.9294	290.227	169.665	0.73	12.60	13.97	15.35
-919	11	5	1385701.9592	215.018	167.832	0.56	13.56	14.84	16.13
-917	4	21	1386234.1060	21.250	2.439	0.01	18.45	18.41*	
-912	1	28	1387976.8499	299.756	13.357	0.32	9.56	10.77	11.98
-910	6	2	1388832.9867	61.442	180.059	0.48	15.13	16.14	17.15
-909	11	15	1389363.9354	224.767	11.705	0.61	12.54	13.87	15.20
-907	3	31	1389866.0048	1.551	174.974	0.60	15.72	16.84	17.95
-906	9	14	1390397.8984	162.253	3.754	0.83	10.57	12.37	14.17
-903	1	18	1391254.7164	290.405	177.506	0.19		6.95*	7.22
-903	7	13	1391430.9243	100.853	357.051	0.17	13.06	13.85	14.63
-902	7	3	1391785.6246	90.731	5.667	0.62		4.86*	5.47
-900	11	5	1392641.8767	215.328	175.713	0.57	10.23	11.45	12.68
-896	3	1	1393852.9932	331.710	356.460	0.08	15.93	16.34	16.75
-896	8	24	1394029.6928	141.796	175.468	0.45	5.32*	5.64	6.59
-895	8	13	1394383.8317	130.895	183.369	0.26	8.66	9.73	10.81
-893	6	24	1395063.6338	81.962	170.478	0.53	4.88*	4.94	5.66
-892	12	6	1395594.8037	246.963	3.836	0.40	7.87	8.99	10.12
-885	1	29	1397840.0534	301.395	177.268	0.36	16.75	17.15*	
-884	7	13	1398370.9457	101.255	4.905	0.65	13.39	14.58	15.77
-880	5	1	1399758.7160	31.427	8.711	0.91	5.95	7.09	8.23
-879	9	15	1400261.0079	163.808	167.566	0.31	15.46	16.41	17.35
-878	9	4	1400614.9966	152.612	174.990	0.57	14.48	15.72	16.95
-877	3	1	1400793.0107	332.120	4.289	0.63	15.56	16.53	17.49
-870	4	11	1403391.0055	12.164	182.019	0.22	15.98	16.68	17.38
-868	2	20	1404070.9665	323.031	168.733	0.07	14.81	15.26	15.71
-865	12	8	1405458.0496	248.669	167.823	0.21	16.74	17.06*	
-863	5	23	1405989.9061	52.439	359.696	0.72	12.08	13.82	15.57
-858	3	1	1407732.8356	332.330	12.181	0.34	9.23	10.41	11.58
-856	7	4	1408588.8945	92.782	177.550	0.93	11.30	12.86	14.41
-855	12	17	1409120.0495	258.432	11.698	0.09	16.80	16.99*	
-853	5	3	1409621.8672	32.973	172.556	0.32	10.82	12.09	13.35
-852	10	16	1410153.8806	195.324	3.103	0.50	9.92	11.55	13.17
-851	10	5	1410507.8589	183.931	10.306	0.06	10.34	10.99	11.64
-849	2	20	1411010.7026	323.161	176.532	0.23		6.56*	7.00
-846	12	8	1412397.9970	249.008	175.690	0.17	15.41	16.06	16.71
-843	5	12	1413283.6514	41.890	15.549	0.02	5.30	5.46	5.61
-841	9	15	1414139.7998	163.366	182.077	0.47	7.45	8.62	9.78
-837	1	8	1415350.8710	280.442	3.655	0.12	11.26	12.05	12.84
-831	3	2	1417596.0176	333.928	176.052	0.89	15.81	16.97	17.61*
-830	8	15	1418126.9312	133.184	2.978	0.83	12.43	13.74	15.05
-829	12	30	1418628.7721	271.033	167.732	0.17	7.74	8.44	9.13
-825	10	18	1420016.9803	196.879	166.876	0.28	14.60	15.65	16.70
-824	10	6	1420370.9561	185.480	174.085	0.67	12.87	14.38	15.90
-823	4	2	1420548.9865	4.081	2.435	0.79	14.99	16.10	17.21
-819	7	15	1422113.8346	103.326	184.499	0.03	9.66	10.12	10.57
-818	1	8	1422290.7836	280.738	11.543	0.68	7.39	8.57	9.76
-816	5	13	1423146.9220	43.542	179.537	0.69	12.80	14.14	15.49
-810	12	30	1425568.7393	271.384	175.600	0.74	7.03*	7.18	8.16
-808	6	13	1426099.8315	73.011	5.116	0.62	8.83	10.30	11.77
-804	4	2	1427488.7551	4.249	10.272	0.74	6.87	8.10	9.33
-802	8	6	1428344.8219	124.508	175.442	0.43	8.59	9.84	11.08
-799	6	4	1429377.7218	64.182	169.905	0.20	6.38	7.04	7.71
-798	11	18	1429909.8935	228.817	2.896	0.14	11.23	12.27	13.30
-797	11	7	1430263.8563	217.302	9.958	0.42	9.33	10.86	12.39
-790	6	24	1432685.1171	83.433	4.261	0.63	18.52	19.13*	
-787	10	17	1433895.8284	196.483	181.471	0.23	8.55	9.43	10.30

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-784	8	16	1434930.1405	135.205	174.885	0.09	18.68	18.77*	
-783	2	9	1435106.9031	313.442	2.925	0.43	12.32	13.48	14.64
-777	4	4	1437351.9146	5.811	174.118	0.62	12.41	13.94	15.47
-776	3	23	1437705.9886	355.019	182.039	0.15	15.65	16.37	17.09
-776	9	16	1437882.9621	165.753	1.743	0.14	13.94	14.59	15.24
-774	1	31	1438384.8305	304.215	167.201	0.43	9.16	10.40	11.64
-771	11	19	1439772.9857	230.369	166.629	0.27	14.82	15.89	16.96
-770	11	8	1440126.9648	218.871	173.743	0.52	13.42	14.87	16.32
-769	5	5	1440304.9103	35.556	0.015	0.74	12.50	13.87	15.24
-765	8	17	1441869.7144	135.168	182.502	0.34	5.33	6.22	7.12
-764	2	10	1442046.8514	313.769	10.817	0.74	9.73	11.08	12.42
-762	6	15	1442902.8392	74.807	176.933	0.86	9.39	10.84	12.30
-757	9	17	1444822.8916	166.062	9.637	0.24	11.25	12.27	13.29
-755	1	31	1445324.8238	304.589	175.060	0.30	9.00	9.97	10.95
-754	7	16	1445855.6989	104.405	2.657	0.58	5.24	6.19	7.15
-750	5	5	1447244.6221	35.661	7.823	0.49		5.36*	5.85
-748	9	7	1448100.7897	156.826	173.980	0.17	7.94	8.70	9.47
-744	12	20	1449665.9099	262.377	2.760	0.09	12.88	13.67	14.46
-743	12	9	1450019.8769	250.884	9.853	0.75	9.79	11.73	13.67
-740	10	8	1451053.6755	187.819	1.309	0.45		6.09*	6.51
-736	7	26	1452441.0000	114.963	1.949	0.55	15.07	16.18	17.29
-732	5	15	1453829.9042	46.063	6.938	0.10	12.40	13.16	13.91
-730	9	18	1454686.1237	167.740	173.655	0.11	18.16	18.26*	
-729	3	14	1454862.8918	345.796	1.491	0.47	12.06	13.22	14.38
-723	5	6	1457107.7605	37.196	171.645	0.56	7.05	8.28	9.51
-722	4	25	1457461.8161	26.519	179.653	0.21	9.28	10.35	11.43
-720	3	4	1458140.8469	336.780	166.004	0.02	10.80	11.11	11.43
-717	12	22	1459528.9964	263.916	166.455	0.03	15.88	16.24	16.59
-716	12	10	1459882.9982	252.462	173.640	0.64	15.00	16.31	17.03*
-713	10	10	1460916.9843	189.582	165.323	0.20	14.90	15.61	16.33
-710	3	14	1461802.8681	346.163	9.350	0.56	10.62	11.80	12.98
-708	7	17	1462658.7768	106.289	174.512	0.39	7.41	8.38	9.34
-705	5	17	1463693.0358	47.593	170.757	0.05	17.74	18.07	18.41
-704	5	5	1464047.0856	36.933	178.774	0.47	18.01	18.66*	
-703	10	19	1464578.9339	199.211	9.096	0.80	12.24	13.77	15.30
-701	3	5	1465080.8611	337.175	173.847	0.78	10.36	11.73	13.11
-699	8	6	1465966.1232	125.801	9.178	0.78	18.20	18.90*	
-694	10	10	1467856.8029	189.783	173.205	0.28	8.28	9.24	10.20
-690	7	28	1469244.1004	116.876	173.822	0.58	17.76	18.52	19.00*
-689	1	22	1469421.8966	295.627	2.269	0.19	12.43	13.48	14.54
-689	7	18	1469598.8112	106.704	182.350	0.42	8.40	9.47	10.54
-688	1	11	1469775.8868	284.292	9.554	0.76	10.47	12.32	14.16
-686	11	10	1470809.7765	221.312	1.105	0.30	7.43	8.25	9.07
-682	8	28	1472196.9376	147.063	0.235	0.22	12.87	13.82	14.78
-678	6	17	1473585.7366	77.246	4.231	0.76	6.23	7.39	8.56
-675	4	15	1474618.8402	17.553	359.399	0.09	11.04	11.61	12.18
-668	5	27	1477217.6172	57.706	176.932	0.18		5.06*	5.34
-663	8	28	1479136.7883	147.298	8.132	0.13	7.82	8.41	9.01
-661	1	12	1479639.0209	285.872	173.354	0.86	15.76	16.96	17.02*
-660	6	27	1480171.0122	87.676	3.346	0.94	15.71	16.94	18.17
-656	4	15	1481558.8429	17.946	7.244	0.74	9.85	11.09	12.32
-650	6	7	1483802.8816	68.093	175.994	0.61	10.85	12.66	14.47
-649	11	21	1484335.0033	232.767	9.002	0.85	14.99	16.26	17.22*
-647	4	6	1484836.8487	9.126	171.949	0.66	10.07	11.37	12.67
-645	9	8	1485722.1320	158.155	7.740	0.18	18.29	18.42*	
-640	11	11	1487612.8499	223.228	172.964	0.81	9.17	10.70	12.24
-636	8	29	1489000.1007	149.045	172.151	0.66	17.55	18.36	18.56*
-635	8	19	1489354.7967	138.673	180.458	0.80	7.58	8.80	10.02
-634	2	12	1489531.8583	317.204	8.717	0.81	9.68	11.41	13.14
-625	2	3	1492809.6841	307.879	172.888	0.13		6.77*	6.86
-623	7	8	1493695.6119	97.865	9.629	0.02		4.88*	4.88
-613	12	13	1497505.7149	255.196	8.978	0.34		6.99*	7.48
-609	9	30	1498892.8332	180.099	7.164	0.58	8.85	10.08	11.30
-607	2	13	1499395.0057	318.785	172.527	0.47	15.52	16.56	17.38*

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-606	7	30	1499926.8595	119.206	0.994	0.81	9.26	11.13	13.01
-602	5	18	1501314.7888	49.327	4.717	0.85	8.20	9.35	10.50
-596	7	9	1503558.6970	99.363	173.375	0.46	5.01	5.96	6.91
-595	6	28	1503912.8925	88.783	181.650	0.42	11.19	12.59	13.99
-593	5	9	1504592.7964	40.605	169.531	0.16	8.83	9.49	10.15
-586	12	14	1507368.9027	256.842	172.893	0.67	11.05	12.78	14.51
-584	5	28	1507900.0985	59.756	3.817	0.89	18.22	18.96*	
-583	5	18	1508254.7739	49.703	12.575	0.02	8.21	8.41	8.61
-581	9	21	1509110.8264	171.277	179.247	0.76	8.47	9.71	10.95
-580	3	16	1509287.7795	349.477	7.169	0.75	7.52	8.92	10.33
-578	7	20	1510143.9748	109.873	172.571	0.57	14.57	15.79	17.01
-577	1	14	1510321.9800	288.454	0.868	0.26	15.17	15.93	16.68
-574	5	9	1511532.7329	40.934	177.407	0.35	6.78	7.64	8.49
-570	2	24	1512920.0721	329.741	179.937	0.20	17.33	17.54*	
-568	1	5	1513599.9036	275.073	164.989	0.10	12.38	13.08	13.78
-563	4	7	1515518.9810	10.851	358.514	0.60	15.09	16.34	17.60
-558	1	14	1517261.7625	288.618	8.726	0.97	6.06*	7.83	9.17
-556	5	19	1518118.0316	51.353	176.551	0.97	16.52	17.57	18.61
-555	11	1	1518648.9262	213.469	6.820	0.68	12.19	13.54	14.89
-553	3	18	1519150.9448	351.054	171.022	0.16	14.04	14.83	15.63
-552	8	31	1519682.7486	151.287	359.246	0.42	6.12	7.21	8.30
-551	8	20	1520036.7487	140.323	6.803	0.31	5.99	6.93	7.87
-548	6	19	1521070.7212	80.624	2.059	0.36	6.47	7.21	7.96
-546	10	23	1521926.8802	204.082	170.870	0.65	10.71	11.97	13.23
-543	3	27	1522812.7728	0.174	14.295	0.15	7.85	8.48	9.11
-541	7	31	1523668.7905	120.359	179.391	0.92	7.19	8.59	9.99
-538	11	23	1524879.7265	235.568	358.917	0.02	6.81*	6.83	7.03
-536	11	1	1525588.9579	213.884	14.636	0.15	13.88	14.58	15.29
-533	8	31	1526622.0508	150.982	6.299	0.80	16.22	17.37	18.52
-531	1	15	1527124.9315	290.232	172.591	0.89	12.57	14.22	15.86
-530	6	30	1527656.0360	91.087	1.227	0.55	16.43	17.30	18.17
-529	6	20	1528010.6768	80.962	9.955	0.56	4.94	5.76	6.58
-527	10	23	1528866.9016	204.489	178.709	0.07	11.58	12.09	12.59
-526	4	18	1529043.6602	21.154	4.994	0.27	5.59*	5.85	6.54
-523	2	15	1530078.0264	321.401	0.074	0.69	16.14	17.09	17.42*
-520	6	10	1531288.6208	72.176	174.799	0.61		4.93*	5.54
-519	5	30	1531642.9240	61.765	183.323	0.08	13.36	14.05	14.75
-516	3	28	1532676.0480	1.862	178.229	0.84	16.78	17.74	18.09*
-508	4	28	1535628.9487	31.613	4.171	0.46	13.81	15.04	16.27
-504	2	16	1537017.7586	321.518	7.893	0.73	6.64	7.97	9.30
-502	6	21	1537873.9160	82.599	173.943	0.38	12.80	14.00	15.19
-501	12	4	1538405.0438	247.130	6.789	0.67	16.42	17.07*	
-498	10	3	1539438.6904	184.022	358.205	0.72		6.02*	6.54
-497	9	22	1539792.6739	172.731	5.514	0.26		5.83*	6.15
-494	7	22	1540826.6706	112.139	359.678	0.06	5.36	5.67	5.97
-492	11	24	1541682.9960	237.695	170.756	0.89	14.83	16.00	17.16*
-489	4	29	1542568.7010	31.764	11.995	0.56	5.84	6.71	7.59
-487	9	1	1543424.7460	152.506	177.736	0.73	6.07	7.21	8.34
-480	4	19	1545846.6819	22.961	176.779	0.15	5.82	6.32	6.82
-479	10	2	1546377.9973	183.709	5.252	0.55	14.63	15.92	17.21
-477	2	17	1546880.9078	323.097	171.712	0.67	11.82	13.46	15.10
-476	2	6	1547234.9321	311.943	179.715	0.06	13.96	14.56	15.16
-476	8	1	1547411.9950	122.743	359.001	0.00	15.75	15.81	15.86
-469	3	20	1549834.0143	353.691	358.564	0.62	15.97	16.95	17.94
-465	7	2	1551398.7453	92.991	180.655	0.39	6.35	7.40	8.44
-465	12	26	1551575.7869	269.549	6.729	0.64	7.52	8.67	9.81
-462	4	30	1552431.9918	33.448	175.959	0.81	15.34	16.43	17.52
-457	8	2	1554351.8975	123.028	6.902	0.30	11.50	12.65	13.81
-456	12	16	1554853.7453	260.137	170.739	0.44	7.01*	7.61	8.48
-454	5	31	1555384.8077	62.853	1.533	0.59	8.61	9.93	11.26
-450	3	20	1556773.6898	353.757	6.323	0.47	6.06*	6.35	7.32
-449	3	9	1557127.7624	342.859	14.151	0.13	7.25	7.97	8.69
-447	7	12	1557984.0234	103.456	179.829	0.06	16.30	16.71	17.13
-446	12	26	1558515.8103	269.956	14.557	0.19	8.64	9.43	10.23

CY	CM	CD	JDN	L	P	PMA	TB	TM	TF
-437	12	17	1561793.7415	260.521	178.588	0.41	7.01*	7.11	7.96
-436	6	10	1561970.0958	73.259	0.646	0.40	18.24	19.00	19.08*
-435	5	31	1562324.6197	63.058	9.409	0.76		5.00*	5.61
-433	10	4	1563180.7632	185.314	176.784	0.68	6.74	7.85	8.96
-432	3	30	1563358.9858	4.362	5.643	0.21	15.26	16.07	16.89
-430	8	3	1564215.1113	124.664	170.884	0.94	17.94	18.85	18.91*
-426	5	22	1565602.6119	54.330	174.255	0.38		5.10*	5.45
-425	11	4	1566133.9981	217.003	4.824	0.43	15.06	16.24	17.41
-423	3	21	1566636.8179	355.302	170.103	0.47	8.67	10.14	11.60
-422	3	10	1566990.8396	344.358	177.803	0.21	9.94	11.11	12.27
-415	4	21	1569589.9445	25.386	356.405	0.23	14.34	15.19	16.04
-414	10	4	1570120.6973	185.643	184.666	0.17		6.05*	6.56
-410	1	27	1571331.8815	302.865	6.316	0.67	11.11	12.41	13.72
-408	6	1	1572187.9221	64.753	173.386	0.31	13.24	14.21	15.19
-403	9	3	1574107.8503	155.202	5.280	0.65	9.09	10.61	12.12
-402	8	23	1574462.0746	144.348	13.299	0.02	17.72	17.95	18.18
-401	1	18	1574609.8476	293.590	170.450	1.01	9.46	10.91	12.37
-393	8	14	1577739.8772	135.179	177.663	0.96	9.88	11.69	13.50
-391	1	27	1578271.8914	303.269	14.143	0.08	11.66	12.24	12.82
-389	6	2	1579127.9572	65.176	181.198	0.38	14.13	15.09	16.05
-388	11	14	1579658.9370	228.163	12.394	0.44	12.66	13.96	15.27
-386	9	25	1580338.6826	176.802	356.711	0.01		5.90*	5.98
-382	7	13	1581725.9802	104.622	358.150	0.12	15.03	15.63	16.23
-379	11	5	1582936.8330	218.680	176.444	0.73	8.65	9.94	11.23
-378	5	2	1583114.8385	35.843	3.239	0.84	9.48	11.10	12.72
-376	9	4	1583971.0474	156.836	169.251	0.69	16.24	17.28	18.32
-371	12	6	1585890.0300	250.580	4.719	0.64	16.15	17.04*	
-369	4	23	1586392.6689	26.913	167.849	0.25	5.50*	5.93	6.65
-368	4	11	1586746.6942	16.144	175.725	0.40	5.68*	6.47	7.40
-363	7	13	1588665.8591	104.896	6.035	0.36	10.03	11.15	12.27
-362	11	27	1589167.8352	240.995	168.594	0.24	9.48	10.55	11.62
-360	5	12	1589700.1118	46.262	2.338	0.22	18.60	18.79*	
-356	3	1	1591087.9264	335.608	5.226	0.90	12.78	14.00	15.22
-350	4	22	1593331.9707	26.624	174.018	0.53	14.78	16.05	17.33
-349	10	6	1593863.8486	188.016	4.369	0.89	8.90	10.49	12.08
-348	9	24	1594218.0045	176.989	12.051	0.26	15.15	16.10	17.04
-347	2	19	1594365.9090	326.518	169.606	0.48	12.19	13.35	14.51
-339	9	15	1597495.7811	167.510	176.153	0.48	6.96	8.22	9.48
-338	9	4	1597849.7815	156.363	183.644	0.26	6.96	7.93	8.90
-335	7	4	1598883.8919	96.524	178.640	0.91	11.17	12.61	14.05
-335	12	28	1599060.7174	272.937	4.611	0.41		7.03*	7.57
-334	12	17	1599415.0223	261.801	12.379	0.06	16.23	16.62	16.98*
-328	2	20	1601305.8565	326.857	177.475	0.11	10.83	11.55	12.27
-325	12	8	1602692.9267	252.327	176.383	0.03	13.17	13.57	13.98
-323	5	23	1603224.6948	56.380	8.532	0.81	5.27	6.35	7.42
-322	10	7	1603727.0290	189.650	168.303	0.60	15.76	16.89	17.88*
-321	9	26	1604081.0955	178.430	175.812	0.12	17.79	18.07*	
-316	1	8	1605646.0588	284.061	4.510	0.18	16.84	17.01*	
-309	8	15	1608421.8313	136.735	4.011	0.78	8.66	10.01	11.35
-308	12	29	1608923.8844	274.559	168.479	0.58	10.69	12.34	14.00
-306	6	14	1609455.9247	77.437	359.690	0.69	12.57	14.25	15.92
-302	4	2	1610843.9233	7.698	3.445	0.89	12.79	14.04	15.29
-297	1	8	1612585.7394	284.130	12.248	0.39	6.99*	7.25	8.17
-296	5	24	1613087.7815	57.877	172.243	0.36	7.57	8.72	9.86
-295	5	13	1613442.0144	47.387	180.658	0.37	16.11	17.00	17.90
-295	11	7	1613619.8845	221.366	4.040	0.37	10.50	11.90	13.29
-294	10	27	1613973.9829	210.031	11.454	0.43	14.21	15.52	16.83
-285	10	18	1617251.7390	200.475	175.326	0.39	6.30*	7.13	8.14
-284	10	6	1617605.7391	189.132	182.626	0.41	6.11*	6.86	7.83
-281	8	6	1618639.8476	128.209	176.446	0.70	9.41	10.77	12.13
-280	1	30	1618816.7278	306.158	4.116	0.22	6.79*	6.91	7.69
-278	6	4	1619673.0525	68.265	171.335	0.35	17.52	18.33	19.04*
-274	3	24	1621061.8304	359.100	175.941	0.57	9.36	10.75	12.13
-270	1	9	1622449.0181	285.860	176.224	0.54	15.83	16.79	17.02*

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-268	11	8	1623483.0465	222.999	167.912	0.44	16.50	17.35*	
-267	10	28	1623837.0669	211.584	175.165	0.23	17.10	17.52*	
-262	2	9	1625402.0564	317.107	3.823	0.44	16.82	17.35*	
-255	9	16	1628177.8540	169.192	2.659	0.74	9.43	10.78	12.12
-253	1	31	1628679.9107	307.782	168.003	0.27	12.27	13.40	14.52
-251	7	5	1629565.7684	97.996	4.891	0.78	6.54	7.87	9.19
-248	5	4	1630599.8782	39.271	1.103	0.77	11.28	12.61	13.94
-243	2	9	1632341.7887	317.230	11.622	0.72	7.60	8.89	10.18
-241	6	15	1633197.8853	78.629	178.015	0.97	10.92	12.59	14.24
-241	12	10	1633375.9327	254.972	3.955	0.28	13.22	14.37	15.52
-240	11	28	1633729.9885	243.550	11.235	0.37	14.59	15.79	17.00
-236	9	16	1635117.8847	169.607	10.481	0.16	11.24	12.02	12.80
-234	1	31	1635619.7313	307.983	175.876	0.36	6.77*	6.99	7.81
-233	7	16	1636151.0464	108.469	4.072	0.79	16.45	17.57	18.68
-231	11	19	1637007.7373	233.902	175.003	0.59	6.79*	7.12	8.24
-230	11	8	1637361.7511	222.453	182.216	0.24	6.64*	7.17	7.94
-229	5	5	1637539.8147	39.591	9.004	0.41	8.77	9.84	10.91
-227	9	7	1638395.8422	160.459	174.866	0.59	9.29	10.54	11.79
-220	4	25	1640817.7472	30.760	173.776	0.91	6.79	8.00	9.20
-219	4	14	1641172.0129	20.223	182.158	0.20	16.28	17.02	17.77
-216	2	11	1642205.0799	318.950	175.590	0.04	17.39	17.38*	
-208	3	13	1645158.0082	349.533	2.449	0.75	15.59	16.72	17.85
-202	5	6	1647403.0426	41.220	172.953	0.41	17.18	18.01	18.72*
-194	6	6	1650355.8090	70.580	358.479	0.17	9.39	10.10	10.82
-189	3	14	1652097.7962	349.705	10.312	0.77	8.12	9.36	10.61
-187	7	17	1652953.7855	110.023	175.567	0.50	7.38	8.54	9.70
-186	1	11	1653131.9683	288.434	3.740	0.70	14.30	15.60	16.89
-186	12	31	1653485.9976	277.064	11.042	0.08	15.44	15.99	16.54
-182	10	19	1654873.9472	202.689	9.815	0.82	12.89	14.25	15.61
-180	3	4	1655375.7610	340.670	174.776	0.41	7.26	8.21	9.17
-179	8	17	1655906.9108	140.229	1.960	0.69	11.24	12.96	14.68
-177	1	2	1656409.7640	278.911	167.660	0.08	7.61	8.17	8.74
-177	12	22	1656763.7464	267.458	174.816	0.95	7.03*	7.23	8.50
-175	6	6	1657295.7026	70.857	6.383	0.89	5.58	6.58	7.58
-173	10	10	1658151.8815	193.350	173.980	0.98	10.40	11.82	13.23
-169	7	28	1659539.0927	120.580	174.828	0.44	17.57	18.32	18.95*
-168	7	17	1659893.7122	110.344	183.451	0.01	6.43	6.53	6.63
-166	5	28	1660573.6226	62.061	171.215	0.65		5.02*	5.66
-165	5	17	1660927.8368	51.561	179.580	0.54	9.27	10.90	12.52
-157	6	17	1663880.9967	81.272	5.513	0.50	15.43	16.47	17.52
-154	4	15	1664913.9191	21.344	0.421	0.77	12.77	14.20	15.63
-152	8	18	1665770.0438	141.791	165.810	0.05	17.08	17.42	17.76
-147	5	27	1667513.1068	61.952	178.675	0.25	18.56	18.98*	
-147	11	20	1667690.0370	235.831	1.814	0.03	17.08	17.19*	
-138	11	11	1670967.9912	226.410	165.803	0.39	14.94	15.88	16.82
-135	4	15	1671853.7569	21.577	8.793	1.00	7.22	8.34	9.45
-133	8	19	1672709.7276	141.875	173.563	0.12	6.23	6.74	7.25
-132	2	13	1672887.9545	321.433	2.987	0.87	13.82	15.19	16.57
-128	11	20	1674630.0426	236.220	9.655	0.67	16.30	17.18*	
-126	4	6	1675131.7460	32.719	172.988	0.85	6.91	8.01	9.10
-125	9	19	1675662.8384	172.617	0.550	0.46	8.58	10.01	11.44
-124	9	7	1676017.1322	161.748	8.591	0.14	18.26	18.36*	
-123	2	3	1676165.7517	312.063	167.071	0.16	7.03	7.83	8.64
-122	1	23	1676519.7351	300.761	174.372	0.74	6.85*	6.95	8.20
-119	11	11	1677907.9583	226.763	173.677	0.46	13.47	14.66	15.86
-117	4	26	1678439.0716	32.089	7.515	0.01	18.32	18.46	18.58*
-115	8	29	1679295.0559	152.623	173.048	0.62	16.38	17.30	18.22
-114	8	19	1679649.6906	142.224	181.452	0.55	5.33*	5.84	6.66
-111	6	18	1680683.6419	82.734	176.834	0.55	4.88*	4.94	5.83
-108	4	16	1681717.0641	23.284	172.246	0.29	17.71	18.34	18.44*
-104	2	3	1683105.0538	311.756	174.095	0.36	16.82	17.28*	
-103	7	19	1683636.8808	112.671	3.051	0.82	10.32	12.03	13.73
-102	7	8	1683991.0951	102.084	11.336	0.07	18.47	18.83	19.10*
-93	6	29	1687268.9116	93.145	175.945	0.68	12.01	13.69	15.38

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-92	12	12	1687800.7771	258.666	9.643	0.72	7.16	8.35	9.54
-89	4	17	1688657.1013	23.702	180.069	0.13	18.32	18.45*	
-88	9	29	1689187.8086	183.597	7.941	0.34	8.16	9.20	10.23
-81	5	18	1691609.6924	53.014	5.824	0.59	5.77	6.61	7.45
-78	3	17	1692643.8751	353.794	1.502	0.48	11.36	12.79	14.22
-77	3	6	1692997.8913	342.798	9.160	0.29	11.25	12.49	13.72
-76	7	20	1693500.0593	114.270	166.968	0.09	17.57	18.00	18.43
-72	5	8	1694887.6962	44.270	170.649	0.71	5.76	6.66	7.56
-71	10	21	1695418.8290	205.644	359.848	0.09	8.99	9.66	10.32
-68	2	25	1696275.6785	333.529	173.354	0.43		6.39*	6.88
-66	7	30	1697161.6524	123.102	9.747	0.07		5.08*	5.19
-65	12	14	1697664.0486	260.400	173.631	0.39	16.58	16.99*	
-63	5	28	1698195.0025	63.443	4.951	0.49	15.70	16.64	17.57
-62	5	18	1698549.7281	53.431	13.654	0.08	6.83	7.20	7.58
-61	10	1	1699051.0781	185.317	171.963	0.68	17.04	17.96*	
-60	9	20	1699405.7184	174.724	180.113	0.90	5.87*	6.61	7.59
-53	5	9	1701827.7295	44.691	178.458	0.18	6.96	7.56	8.15
-50	3	7	1702860.9797	344.310	172.850	0.36	14.94	16.02	17.09
-49	8	21	1703392.7882	144.515	1.049	0.75	7.05	8.42	9.79
-48	8	9	1703746.9362	133.896	9.035	0.14	13.33	14.19	15.04
-47	1	4	1703894.8470	282.459	165.641	0.25	10.04	11.02	12.00
-39	7	31	1707024.7358	124.606	173.490	0.14	6.09	6.75	7.41
-38	7	20	1707378.7750	113.800	181.364	0.52	6.74	8.02	9.29
-37	1	14	1707556.8641	292.172	9.460	0.95	9.97	11.54	13.12
-35	5	19	1708413.0402	55.135	177.611	0.75	16.70	17.63	18.57
-34	11	1	1708943.8688	216.853	7.502	0.98	9.84	11.39	12.95
-28	1	5	1710834.7666	282.762	173.532	0.85	7.00*	7.96	9.18
-27	6	19	1711365.6216	84.308	3.191	0.18		4.87*	5.23
-25	10	23	1712221.7887	207.453	171.599	0.18	8.26	8.95	9.65
-23	4	7	1712753.7578	14.722	7.200	0.84	6.91	8.27	9.62
-21	8	11	1713610.0181	135.203	172.775	0.95	15.37	16.60	17.83
-18	6	10	1714643.6287	75.587	168.025	0.22		4.91*	5.36
-9	6	30	1717950.9348	94.762	2.345	0.99	12.88	14.22	15.56
-8	6	19	1718305.6591	84.728	11.020	0.48	4.87*	5.34	6.05
-6	4	29	1718985.0124	35.997	358.516	0.58	16.06	17.22	18.38
-6	10	23	1719161.7947	207.848	179.452	0.58	7.71	8.73	9.75
-5	4	18	1719339.0375	25.240	6.420	0.04	17.45	17.78	18.11
-2	2	15	1720372.9613	324.876	0.868	0.56	14.30	15.30	16.31
1	6	10	1721583.6548	75.995	175.863	0.66	4.91*	5.44	6.26
4	4	8	1722616.8562	16.229	170.935	0.24	10.37	11.55	12.74
5	9	22	1723148.7413	176.963	359.739	0.49	6.03	7.08	8.13
6	9	11	1723502.8272	165.875	7.386	0.26	8.46	9.64	10.82
16	8	21	1727134.6522	145.609	179.298	0.35		5.39*	5.74
17	2	15	1727312.9073	325.211	8.754	0.53	11.89	13.15	14.42
19	6	21	1728168.9618	86.430	174.997	0.79	14.13	15.31	16.49
20	12	3	1728699.9613	250.464	7.429	0.82	13.76	15.07	16.38
26	2	6	1730590.8102	315.954	173.010	0.70	8.15	9.62	11.08
27	1	26	1730945.0489	304.918	180.850	0.02	17.16	17.20*	
29	11	24	1731977.8852	241.001	171.424	0.95	10.63	12.12	13.60
33	9	12	1733365.9075	167.398	171.114	0.39	11.85	13.20	14.55
34	9	1	1733719.9594	156.346	178.767	0.14	13.42	14.19	14.96
38	6	21	1735108.7838	86.643	182.881	0.11	8.07	8.70	9.32
39	12	4	1735639.9500	250.838	15.282	0.06	13.88	14.35	14.82
41	4	19	1736141.7111	26.723	177.762	0.11	6.52	7.01	7.50
45	8	1	1737706.8906	126.362	0.031	0.56	11.01	12.30	13.58
49	5	20	1739094.8557	56.558	3.801	0.78	9.69	11.41	13.13
52	3	19	1740128.9799	357.305	359.450	0.70	14.89	15.93	16.98
56	12	25	1741870.6926	272.884	7.387	0.04		7.03*	7.02
58	5	11	1742372.6941	47.665	168.471	0.18	5.78	6.42	7.05
59	4	30	1742727.0099	37.221	176.965	0.97	15.85	16.98	18.11

3. Solar Eclipses for Ninive (-1510 – -489)

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1510	9	2	1169774.8013	145.855	183.630	0.15	8.00	8.66	9.33
-1507	7	1	1170807.8023	84.654	177.164	0.97	7.70	9.26	10.83
-1507	12	26	1170985.9226	262.920	5.156	0.33	12.54	13.66	14.77
-1503	10	13	1172372.9214	187.505	3.084	0.28	11.93	12.95	13.97
-1498	12	17	1174263.8146	253.478	169.201	0.45	8.42	9.58	10.75
-1492	3	19	1176182.7823	345.648	3.075	0.06	8.80	9.32	9.83
-1490	7	23	1177039.0258	105.980	168.481	0.17	16.59	17.24	17.89
-1489	7	12	1177393.0860	95.169	176.372	0.39	17.58	18.38	19.18
-1485	5	1	1178781.9799	26.379	181.473	0.21	15.16	15.95	16.75
-1484	10	13	1179312.9070	187.871	10.958	0.47	11.39	12.56	13.72
-1482	2	27	1179814.8530	325.835	175.680	0.31	10.14	11.31	12.49
-1478	6	11	1181380.0286	65.719	358.265	0.24	16.58	17.23	17.89
-1477	6	1	1181734.7519	55.703	6.970	0.99	7.09	8.15	9.22
-1475	10	4	1182590.8672	178.525	175.067	1.00	9.79	11.08	12.38
-1474	3	30	1182768.0658	356.178	2.327	0.67	17.18	17.97*	
-1469	1	6	1184510.9374	274.071	12.757	0.25	12.66	13.78	14.90
-1468	5	22	1185012.7443	46.980	171.818	0.76	6.89	7.96	9.02
-1463	8	23	1186931.8275	136.557	2.983	0.94	7.85	9.57	11.29
-1461	12	28	1187788.7328	264.567	176.699	0.48		7.20*	7.83
-1459	6	11	1188320.0593	66.140	6.084	0.62	17.19	18.06	18.93
-1458	6	1	1188674.6348	55.982	14.855	0.11	4.94*	5.04	5.44
-1453	8	3	1190563.6807	116.364	175.046	0.75	4.84*	5.48	6.49
-1452	1	28	1190741.9740	296.044	4.594	0.79	14.25	15.44	16.63
-1450	6	2	1191598.0516	57.392	170.956	0.36	17.34	18.06	18.78
-1449	11	15	1192129.0235	221.119	3.055	0.03	16.41	16.71	17.01
-1444	8	22	1193871.1555	136.273	10.099	0.22	18.67	18.87*	
-1443	1	18	1194019.8652	286.746	168.801	0.71	9.84	11.45	13.06
-1440	11	5	1195406.9531	211.658	167.056	0.53	13.20	14.36	15.52
-1437	4	10	1196292.8626	6.572	9.044	0.43	10.38	11.59	12.81
-1435	8	13	1197148.9872	127.070	174.485	0.83	14.20	15.48	16.76
-1431	6	2	1198537.8429	57.573	178.818	0.63	9.57	11.10	12.62
-1430	11	15	1199069.0263	221.505	10.898	0.78	15.47	16.53	17.26*
-1428	3	31	1199570.7853	357.691	173.737	0.67	7.88	9.15	10.42
-1423	7	3	1201490.6855	87.088	4.462	0.57	5.33	6.16	6.99
-1421	11	6	1202346.9789	212.070	174.882	0.19	14.16	14.88	15.61
-1420	5	1	1202523.8909	27.502	359.746	0.46	11.98	13.38	14.78
-1416	8	13	1204088.6819	127.164	182.249	0.14	5.09	5.58	6.07
-1415	2	7	1204266.9128	306.942	11.884	0.21	11.95	12.98	14.02
-1414	6	24	1204768.6624	78.285	169.255	0.31	4.92	5.58	6.23
-1413	6	13	1205123.1268	67.990	177.931	0.16	18.94	19.21*	
-1413	12	7	1205299.7610	243.579	3.056	0.37	7.05*	7.72	8.59
-1410	4	11	1206156.0869	8.199	172.952	0.19	18.00	18.21*	
-1409	9	25	1206687.7695	169.295	1.978	0.75	6.28	7.63	8.98
-1406	1	29	1207544.7150	297.599	176.024	0.22		7.04*	7.33
-1405	7	14	1208076.0035	97.627	3.732	0.93	15.15	16.26	17.37
-1398	3	1	1210497.9630	328.519	3.304	0.89	14.00	15.23	16.47
-1394	12	7	1212239.7754	243.971	10.900	0.49	7.28	8.25	9.22
-1391	4	11	1213096.0201	8.510	180.855	0.29	16.19	16.90	17.61
-1390	9	24	1213627.1213	169.036	9.115	0.48	17.78	18.26*	
-1389	2	20	1213775.8554	319.407	167.729	0.40	9.96	11.31	12.65
-1388	2	9	1214130.0252	308.478	175.621	0.85	15.80	17.01	17.11*
-1385	11	28	1215517.7273	234.538	174.878	0.79	6.94*	6.96	7.90
-1383	5	12	1216048.7426	37.871	6.456	0.74	6.90	8.00	9.10
-1381	9	15	1216904.9488	159.652	173.276	0.97	12.60	14.04	15.49
-1377	7	5	1218293.7062	88.896	176.308	0.83	5.34	6.43	7.52
-1374	5	3	1219326.6923	29.088	171.313	0.96	5.62	6.62	7.63
-1369	8	5	1221246.6473	118.897	2.445	0.40	4.87*	4.96	5.65
-1368	7	24	1221601.1212	108.416	10.917	0.38	18.38	19.10	19.24*
-1365	5	23	1222634.0386	48.267	5.578	0.45	16.79	17.68	18.56
-1364	5	12	1222988.6430	38.153	14.370	0.37	5.22*	5.41	6.06
-1362	9	15	1223844.7018	159.787	181.124	0.58	5.56*	6.00	6.89
-1361	3	12	1224022.8232	339.136	10.271	0.64	8.59	10.11	11.63
-1359	7	15	1224878.9959	99.426	175.539	0.83	14.86	16.09	17.31
-1356	5	13	1225911.9901	39.506	170.428	0.00	16.48	16.50	16.53

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1355	10	27	1226443.7558	202.612	1.547	0.56	6.39*	7.32	8.49
-1354	10	16	1226797.7978	191.213	8.830	0.25	7.66	8.61	9.57
-1351	8	15	1227831.9780	129.630	1.928	0.41	14.10	15.10	16.10
-1350	12	30	1228333.8106	267.684	166.949	0.32	8.64	9.57	10.51
-1344	4	2	1230253.8905	0.340	1.317	0.49	11.96	13.21	14.47
-1339	1	8	1231995.8831	277.440	10.667	0.92	10.56	12.00	13.43
-1337	5	14	1232851.9606	39.854	178.320	0.76	14.14	15.30	16.46
-1335	3	24	1233531.7811	351.394	165.942	0.06	8.45	8.94	9.43
-1334	3	13	1233885.9199	340.639	173.973	0.88	12.31	13.97	15.62
-1332	8	15	1234771.7378	129.784	9.750	0.04	6.30	6.63	6.96
-1331	12	30	1235273.8403	268.106	174.748	0.38	9.10	10.16	11.22
-1329	6	14	1235804.6327	69.096	3.826	0.17	4.78*	5.17	5.65
-1327	10	17	1236660.9755	192.850	172.779	0.69	13.47	14.83	16.18
-1320	6	4	1239082.5963	60.319	168.701	0.24		4.88*	5.09
-1315	9	6	1241002.6513	151.329	1.115	0.24		5.40*	5.66
-1314	8	26	1241357.0556	140.572	9.299	0.69	16.24	17.30	18.35
-1311	6	24	1242389.9365	79.543	3.005	0.87	12.97	14.38	15.79
-1308	10	17	1243600.7766	193.031	180.659	0.51	7.02	7.99	8.96
-1307	4	13	1243778.6724	10.723	7.985	0.72	5.74*	6.04	7.10
-1305	8	17	1244634.8979	131.375	173.679	0.53	11.20	12.66	14.12
-1304	2	10	1244811.9129	309.959	2.008	0.17	12.97	13.69	14.41
-1301	11	29	1246199.7714	236.189	1.440	0.23	6.96*	7.75	8.63
-1300	11	17	1246553.8457	224.777	8.750	0.75	8.74	10.31	11.88
-1295	1	31	1248089.8834	300.805	166.298	0.38	11.08	12.20	13.31
-1289	4	24	1250363.9466	21.150	7.124	0.11	14.02	14.74	15.46
-1285	2	10	1251751.9479	310.373	9.843	0.46	13.28	14.29	15.30
-1283	6	15	1252607.8984	71.134	175.707	0.78	11.74	13.09	14.44
-1280	4	14	1253641.7571	12.206	171.676	0.84	6.85	8.25	9.65
-1278	9	17	1254527.7034	162.382	8.611	0.15	5.61*	5.80	6.36
-1276	2	1	1255029.9149	301.216	174.129	0.51	12.16	13.37	14.58
-1273	11	19	1256417.0414	226.435	172.704	0.61	16.00	17.11	17.18*
-1272	5	15	1256595.0502	42.095	357.911	0.29	17.27	18.03	18.79
-1262	4	25	1260227.0282	22.629	170.814	0.01	17.58	17.70	17.82
-1261	4	14	1260581.0792	11.933	178.798	0.50	17.64	18.28*	
-1261	10	9	1260758.7008	184.403	0.496	0.51	6.04*	6.10	6.97
-1260	9	27	1261113.0369	173.386	8.395	0.97	15.52	16.74	17.96
-1257	7	27	1262145.8732	111.183	0.819	0.69	10.22	11.68	13.14
-1251	9	18	1264390.8476	163.974	172.508	0.26	9.56	10.67	11.78
-1250	3	14	1264567.9214	342.227	0.452	0.33	13.20	14.10	14.99
-1250	9	7	1264744.8578	152.756	179.943	0.55	8.82	10.37	11.93
-1246	12	20	1266309.9045	258.361	8.716	0.88	11.05	12.77	14.48
-1238	7	27	1269085.8575	111.554	8.696	0.07	10.39	10.91	11.42
-1237	12	11	1269587.7590	248.854	172.699	0.65	7.10*	7.75	8.85
-1235	5	26	1270119.7476	52.304	4.345	0.57	6.87	8.04	9.22
-1234	5	15	1270473.7883	41.654	12.372	0.02	8.47	8.74	9.01
-1231	3	14	1271507.9573	342.647	8.283	0.28	13.92	14.74	15.55
-1229	7	18	1272363.8552	102.678	173.355	0.31	10.23	11.24	12.24
-1225	5	6	1273751.6314	32.782	177.052	0.05		5.32*	5.47
-1224	10	19	1274283.7117	195.585	8.118	0.22		6.26*	6.90
-1222	3	5	1274785.9337	333.683	172.810	0.89	12.89	14.19	15.48
-1219	1	1	1275818.8872	271.212	164.945	0.04	11.87	12.39	12.91
-1217	6	6	1276705.0147	62.679	3.423	0.80	15.88	17.14	18.39
-1210	7	18	1279303.8517	103.054	181.232	0.46	9.57	10.81	12.05
-1207	5	16	1280336.9090	43.169	176.162	0.84	12.06	13.73	15.40
-1207	11	10	1280514.7817	217.937	0.383	0.14	7.59	8.22	8.84
-1206	10	30	1280869.0579	206.743	8.079	0.90	16.30	17.48	17.53*
-1203	8	28	1281901.8647	143.417	359.273	0.28	10.04	11.05	12.07
-1197	10	21	1284146.8430	197.172	171.977	0.39	9.15	10.43	11.71
-1196	4	15	1284323.8879	13.911	358.253	0.08	12.71	13.20	13.69
-1196	10	9	1284500.8203	185.743	179.160	0.65	7.65	9.08	10.50
-1191	1	21	1286065.9353	291.606	8.261	0.84	12.60	14.04	15.48
-1185	3	16	1288311.0754	344.558	180.092	0.22	17.45	17.75*	
-1184	8	28	1288841.8681	143.814	7.111	0.51	10.00	11.20	12.41
-1182	1	12	1289343.8162	282.252	172.406	0.79	8.07	9.48	10.89

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1180	6	16	1290229.6048	72.922	9.621	0.47		4.75*	5.18
-1180	11	11	1290378.0104	219.640	164.356	0.09	15.75	16.28	16.82
-1177	4	16	1291263.9196	14.321	6.102	0.54	12.61	13.75	14.90
-1175	8	19	1292119.8538	134.740	171.580	0.10	10.49	11.07	11.64
-1174	2	12	1292297.0628	313.513	0.068	0.16	17.02	17.19*	
-1172	1	22	1293005.7721	291.820	16.149	0.04	7.85	8.18	8.52
-1170	11	21	1294039.7476	229.145	8.029	0.51	6.86*	7.25	8.33
-1168	4	6	1294541.8998	5.510	170.834	0.36	12.09	13.17	14.26
-1163	7	8	1296460.8226	93.976	0.787	0.60	8.41	9.99	11.58
-1158	4	16	1298203.7746	14.574	13.985	0.10	8.00	8.54	9.09
-1156	8	19	1299059.8179	135.095	179.446	0.80	8.01	9.36	10.70
-1153	6	18	1300092.7452	74.365	173.478	0.66	6.42	7.59	8.76
-1143	11	22	1303902.8642	230.722	171.824	0.78	9.38	11.06	12.75
-1142	11	11	1304256.8267	219.198	178.890	0.40	8.01	9.20	10.40
-1137	2	23	1305821.9261	324.249	7.165	0.74	12.49	13.83	15.17
-1135	6	28	1306678.0327	84.807	172.650	0.72	16.35	17.41	18.46
-1131	4	17	1308066.9680	16.160	177.885	0.78	14.34	15.66	16.98
-1130	9	30	1308597.9319	176.731	6.268	0.82	12.06	13.38	14.70
-1128	2	14	1309099.8378	315.105	171.545	0.87	9.08	10.60	12.12
-1123	5	18	1311019.8429	45.646	3.509	0.88	9.87	11.21	12.56
-1121	9	21	1311875.8962	167.466	170.478	0.40	11.38	12.43	13.47
-1120	3	16	1312052.9615	345.661	358.364	0.28	14.70	15.63	16.56
-1118	2	23	1312761.8077	324.508	15.067	0.23	8.62	9.43	10.25
-1116	6	28	1313617.7708	84.935	180.483	0.34	7.46	8.38	9.29
-1116	12	23	1313795.7757	262.690	7.904	0.93	7.19*	8.03	9.44
-1108	7	29	1316570.7540	114.848	6.522	0.59	6.14	7.27	8.40
-1104	5	18	1317959.6476	45.838	11.393	0.66	5.09*	5.43	6.31
-1102	9	21	1318815.8313	167.781	178.380	0.81	8.35	9.69	11.03
-1099	7	20	1319848.6195	105.838	171.116	0.21		4.74*	4.98
-1090	8	9	1323156.0579	125.504	5.919	0.83	16.39	17.47	18.55
-1089	12	25	1323658.8794	264.245	171.642	0.88	9.84	11.75	13.66
-1083	3	27	1325577.8721	356.244	5.356	0.95	10.81	12.23	13.65
-1081	7	31	1326433.9239	116.439	170.455	0.12	13.29	13.97	14.66
-1077	5	20	1327822.8184	47.402	175.281	0.93	8.63	10.21	11.79
-1076	11	1	1328354.0363	210.183	6.015	0.46	16.00	16.88	17.46*
-1074	3	18	1328855.8135	347.305	169.973	0.74	8.66	10.01	11.36
-1069	6	20	1330775.7582	76.915	0.899	0.24	7.59	8.33	9.06
-1067	10	23	1331631.9859	200.776	170.052	0.97	14.04	15.25	16.47
-1064	3	27	1332517.7929	356.556	13.238	0.38	8.27	9.20	10.12
-1062	7	31	1333373.7192	116.623	178.336	0.81	5.57	6.58	7.59
-1061	1	25	1333551.7645	295.855	7.342	0.69	7.05*	7.85	9.23
-1059	5	30	1334408.0982	57.788	174.391	0.93	18.18	19.09*	
-1057	11	2	1335293.9943	210.520	13.897	0.28	14.62	15.52	16.42
-1054	8	31	1336326.6843	147.046	4.937	0.84	5.32*	5.44	6.45
-1053	8	20	1336681.0913	136.353	13.187	0.23	17.52	18.10	18.69
-1051	6	30	1337361.0661	87.382	0.091	0.19	17.42	17.99	18.55
-1048	10	23	1338571.8858	201.055	177.957	0.31	10.28	11.34	12.40
-1044	8	10	1339959.0445	127.316	177.733	0.03	16.55	16.77	17.00
-1040	11	23	1341524.7827	232.641	6.008	0.85	7.28	8.42	9.55
-1036	9	10	1342912.0071	157.936	4.559	0.50	14.76	15.88	17.01
-1034	1	26	1343414.8531	297.390	171.012	0.93	9.11	11.03	12.94
-1032	6	30	1344300.7912	87.495	7.909	0.39	7.53	8.60	9.68
-1029	4	29	1345333.7868	27.731	2.993	0.32	8.64	9.56	10.47
-1023	6	21	1347578.6535	78.601	172.615	0.79	4.71*	5.27	6.24
-1020	4	19	1348611.7523	18.940	167.786	0.33	7.36	8.20	9.05
-1014	7	11	1350886.0798	97.986	7.116	0.76	17.34	18.33	19.30*
-1011	5	9	1351919.0883	38.160	2.131	0.92	17.91	18.78*	
-1010	4	29	1352273.7479	28.077	10.883	0.71	7.05	8.05	9.04
-1008	9	1	1353129.7200	148.910	176.806	0.76	5.52	6.51	7.50
-1007	2	26	1353307.6922	328.403	6.079	0.36		6.56*	7.15
-1005	7	2	1354163.9335	89.049	171.773	0.19	13.72	14.62	15.52
-1004	6	20	1354517.9931	78.354	179.776	0.31	15.11	16.11	17.12
-1001	4	20	1355551.7549	19.326	175.640	0.40	7.46	8.34	9.22
-1000	10	2	1356082.6796	179.917	4.084	0.49		5.95*	6.45

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-999	9	21	1356437.1176	169.053	12.134	0.43	17.79	18.26*	
-989	3	9	1359892.9852	339.106	5.478	0.48	14.72	15.88	17.03
-989	9	2	1360069.7420	149.327	184.629	0.02	6.83	7.04	7.24
-986	12	26	1361280.9006	266.260	5.964	0.38	11.67	12.80	13.93
-983	4	30	1362137.0715	29.789	174.816	0.87	17.49	18.37	18.63*
-982	10	13	1362668.0257	191.002	3.956	0.20	15.81	16.55	17.29
-980	2	28	1363170.7748	329.904	169.750	0.68	7.05	8.53	10.01
-978	8	2	1364056.6662	119.135	5.699	0.96	4.88*	5.12	6.11
-977	12	17	1364558.8421	256.853	169.986	0.81	9.12	10.47	11.83
-973	10	4	1365945.8919	181.584	168.079	0.07	11.94	12.47	13.01
-967	12	26	1368220.8046	266.557	13.843	0.24	8.19	9.11	10.02
-963	10	13	1369607.8317	191.201	11.807	0.01	9.74	9.93	10.11
-960	8	12	1370641.9645	129.810	5.083	0.95	13.33	14.81	16.29
-957	6	11	1371674.9962	69.406	359.499	0.61	15.34	16.34	17.34
-956	5	31	1372029.6846	59.359	8.243	0.93	5.47	6.36	7.24
-954	10	4	1372885.7781	181.853	175.989	0.72	7.16	8.24	9.33
-950	7	23	1374273.8173	109.803	177.330	0.82	7.76	9.44	11.12
-947	5	22	1375307.6959	50.654	173.072	0.92	5.74	6.68	7.61
-946	11	4	1375838.7290	213.324	3.834	0.90	6.59*	6.80	7.89
-940	12	27	1378084.0276	268.232	177.800	0.07	16.51	16.80*	
-938	6	11	1378614.9949	69.795	7.348	0.25	15.54	16.25	16.97
-935	4	10	1379648.8326	10.796	3.281	0.54	9.63	11.11	12.59
-934	3	30	1380002.8724	0.016	11.183	0.06	11.08	11.64	12.19
-933	8	14	1380505.0862	131.359	168.926	0.59	17.25	18.21	18.95*
-932	8	2	1380859.1002	120.402	176.617	0.15	17.82	18.37	18.92
-931	1	27	1381036.9801	299.504	5.452	0.96	14.38	15.51	16.63
-929	6	2	1381893.0055	61.081	172.176	0.46	15.88	16.74	17.60
-926	4	1	1382926.6352	1.771	167.768	0.04		5.91*	5.95
-925	3	21	1383280.7136	350.975	175.690	0.27	6.13*	6.84	7.65
-922	1	18	1384314.9294	290.227	169.665	0.82	12.43	13.82	15.21
-919	11	5	1385701.9592	215.018	167.832	0.60	13.31	14.61	15.92
-917	4	21	1386234.1060	21.250	2.439	0.17	18.32	18.46*	
-912	1	28	1387976.8499	299.756	13.357	0.38	9.46	10.73	11.99
-910	6	2	1388832.9867	61.442	180.059	0.38	15.03	15.97	16.90
-909	11	15	1389363.9354	224.767	11.705	0.68	12.32	13.67	15.02
-907	3	31	1389866.0048	1.551	174.974	0.71	15.53	16.70	17.88
-906	9	14	1390397.8984	162.253	3.754	0.76	10.41	12.14	13.89
-903	1	18	1391254.7164	290.405	177.506	0.02		7.11*	7.12
-903	7	13	1391430.9243	100.853	357.051	0.06	13.21	13.68	14.14
-902	7	3	1391785.6246	90.731	5.667	0.57	4.69*	4.72	5.44
-900	11	5	1392641.8767	215.328	175.713	0.52	10.12	11.28	12.45
-896	8	24	1394029.6928	141.796	175.468	0.56	5.22*	5.59	6.61
-895	8	13	1394383.8317	130.895	183.369	0.15	8.79	9.60	10.41
-893	6	24	1395063.6338	81.962	170.478	0.62	4.70*	4.93	5.69
-892	12	6	1395594.8037	246.963	3.836	0.33	7.90	8.93	9.95
-885	1	29	1397840.0534	301.395	177.268	0.30	16.65	17.01*	
-884	7	13	1398370.9457	101.255	4.905	0.76	13.15	14.38	15.62
-883	7	3	1398725.6263	91.112	13.535	0.13		4.69*	4.94
-880	5	1	1399758.7160	31.427	8.711	0.97	5.98	7.13	8.27
-879	9	15	1400261.0079	163.808	167.566	0.34	15.18	16.18	17.17
-878	9	4	1400614.9966	152.612	174.990	0.54	14.23	15.47	16.70
-877	3	1	1400793.0107	332.120	4.289	0.76	15.42	16.43	17.44
-875	7	4	1401648.9476	92.454	169.651	0.02	14.67	14.88	15.09
-870	4	11	1403391.0055	12.164	182.019	0.10	16.06	16.55	17.04
-868	2	20	1404070.9665	323.031	168.733	0.18	14.43	15.14	15.86
-865	12	8	1405458.0496	248.669	167.823	0.29	16.48	16.90*	
-863	5	23	1405989.9061	52.439	359.696	0.60	12.10	13.73	15.37
-858	3	1	1407732.8356	332.330	12.181	0.41	9.18	10.41	11.64
-856	7	4	1408588.8945	92.782	177.550	0.98	11.12	12.66	14.19
-855	12	17	1409120.0495	258.432	11.698	0.18	16.51	16.83*	
-853	5	3	1409621.8672	32.973	172.556	0.43	10.65	12.04	13.42
-852	10	16	1410153.8806	195.324	3.103	0.43	9.86	11.36	12.86
-851	10	5	1410507.8589	183.931	10.306	0.13	9.86	10.77	11.68
-849	2	20	1411010.7026	323.161	176.532	0.13		6.65*	6.91

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-846	12	8	1412397.9970	249.008	175.690	0.09	15.36	15.85	16.34
-843	5	12	1413283.6514	41.890	15.549	0.08	5.16*	5.48	5.81
-841	9	15	1414139.7998	163.368	187.077	0.37	7.46	8.49	9.53
-837	1	8	1415350.8710	290.442	3.655	0.05	11.41	11.92	12.42
-831	3	2	1417596.0176	333.928	176.052	0.94	15.67	16.85	17.54*
-830	8	15	1418126.9312	133.184	2.978	0.74	12.25	13.53	14.81
-829	12	30	1418628.7721	271.033	167.732	0.24	7.56	8.36	9.16
-825	10	18	1420016.9803	196.879	166.876	0.31	14.30	15.40	16.51
-824	10	6	1420370.9561	185.480	174.085	0.65	12.62	14.12	15.62
-823	4	2	1420548.9865	4.081	2.435	0.92	14.87	16.01	17.14
-818	1	8	1422290.7836	280.738	11.543	0.75	7.35	8.53	9.72
-816	5	13	1423146.9220	43.542	179.537	0.56	12.75	14.00	15.26
-810	12	30	1425568.7393	271.384	175.600	0.64		7.20*	8.08
-808	6	13	1426099.8315	73.011	5.116	0.73	8.81	10.30	11.80
-804	4	2	1427488.7551	4.249	10.272	0.79	6.90	8.13	9.37
-802	8	6	1428344.8219	124.508	175.442	0.54	8.38	9.68	10.99
-799	6	4	1429377.7218	64.182	169.905	0.29	6.27	7.06	7.85
-798	11	18	1429909.8935	228.817	2.896	0.08	11.28	12.07	12.86
-797	11	7	1430263.8563	217.302	9.958	0.48	9.14	10.69	12.23
-790	6	24	1432685.1171	83.433	4.261	0.75	18.38	19.29	19.30*
-787	10	17	1433895.8284	196.483	181.471	0.15	8.58	9.30	10.01
-784	8	16	1434930.1405	135.205	174.885	0.19	18.55	18.89*	
-783	2	9	1435106.9031	313.442	2.925	0.33	12.35	13.39	14.42
-781	6	15	1435963.0115	74.590	169.042	0.00	17.11	17.11	17.11
-777	4	4	1437351.9146	5.811	174.118	0.74	12.27	13.84	15.41
-776	3	23	1437705.9886	355.019	192.039	0.03	15.88	16.24	16.60
-776	9	16	1437882.9621	165.753	1.743	0.08	13.88	14.37	14.86
-774	1	31	1438384.8305	304.215	167.201	0.50	9.06	10.33	11.60
-771	11	19	1439772.9857	230.369	166.629	0.32	14.50	15.67	16.84
-770	11	8	1440126.9648	218.871	173.743	0.48	13.19	14.61	16.02
-769	5	5	1440304.9103	35.556	0.015	0.62	12.51	13.80	15.08
-765	8	17	1441869.7144	135.168	182.502	0.22	5.43	6.17	6.92
-764	2	10	1442046.8514	313.769	10.817	0.81	9.69	11.03	12.37
-762	6	15	1442902.8392	74.807	176.933	0.99	9.33	10.76	12.19
-757	9	17	1444822.8916	166.062	9.637	0.31	10.92	12.04	13.16
-755	1	31	1445324.8238	304.589	175.060	0.23	9.06	9.91	10.75
-754	7	16	1445855.6989	104.405	2.657	0.49	5.29	6.19	7.10
-750	5	5	1447244.6221	35.661	7.823	0.56		5.26*	5.86
-748	9	7	1448100.7897	156.826	173.980	0.28	7.63	8.55	9.48
-744	6	25	1449488.1469	85.265	176.079	0.15	19.14	19.31*	
-744	12	20	1449665.9099	262.377	2.760	0.01	13.12	13.47	13.81
-743	12	9	1450019.8769	250.884	9.853	0.80	9.69	11.58	13.47
-740	10	8	1451053.6755	187.819	1.309	0.32		6.11*	6.42
-736	7	26	1452441.0000	114.963	1.949	0.48	14.90	15.98	17.05
-732	5	15	1453829.9042	46.063	6.938	0.22	12.07	13.12	14.16
-730	9	18	1454686.1237	167.740	173.655	0.23	18.00	18.29*	
-729	3	14	1454862.8918	345.796	1.491	0.37	12.12	13.16	14.20
-723	5	6	1457107.7605	37.196	171.645	0.65	7.04	8.31	9.57
-722	4	25	1457461.8161	26.519	179.653	0.11	9.54	10.33	11.12
-720	3	4	1458140.8469	336.780	166.004	0.11	10.41	11.07	11.73
-717	12	22	1459528.9964	263.916	166.455	0.11	15.37	16.06	16.75
-716	12	10	1459882.9982	252.462	173.640	0.56	14.82	16.10	16.87*
-713	10	10	1460916.9843	189.582	165.323	0.24	14.61	15.39	16.16
-710	3	14	1461802.8681	346.163	9.350	0.66	10.56	11.78	12.99
-708	7	17	1462658.7768	106.289	174.512	0.52	7.27	8.32	9.36
-705	5	17	1463693.0358	47.593	170.757	0.13	17.35	17.91	18.48
-704	5	5	1464047.0856	36.933	178.774	0.46	17.92	18.76*	
-703	10	19	1464578.9339	199.211	9.096	0.86	12.01	13.54	15.06
-701	3	5	1465080.8611	337.175	173.847	0.68	10.35	11.66	12.96
-699	8	6	1465966.1232	125.801	9.178	0.90	18.02	18.87	19.03*
-694	10	10	1467856.8029	189.783	173.205	0.36	8.03	9.07	10.11
-690	7	28	1469244.1004	116.876	173.822	0.53	17.60	18.35	19.11
-689	1	22	1469421.8966	295.627	2.269	0.11	12.55	13.35	14.15
-689	7	18	1469598.8112	106.704	182.350	0.29	8.48	9.38	10.27

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-688	1	11	1469775.8868	284.292	9.554	0.83	10.39	12.22	14.04
-686	11	10	1470809.7765	221.312	1.105	0.21	7.49	8.18	8.88
-682	8	28	1472196.9376	147.063	0.235	0.15	12.80	13.60	14.40
-678	6	17	1473585.7366	77.246	4.231	0.68	6.28	7.41	8.55
-668	5	27	1477217.6172	57.706	176.932	0.17		4.92*	5.27
-663	8	28	1479136.7883	147.298	8.132	0.25	7.54	8.33	9.12
-661	1	12	1479639.0209	285.872	173.354	0.97	15.59	16.81	16.86*
-660	6	27	1480171.0122	87.676	3.346	0.93	15.50	16.75	18.01
-656	4	15	1481558.8429	17.946	7.244	0.84	9.84	11.09	12.33
-654	8	19	1482414.7603	138.252	172.626	0.09	7.25	7.71	8.17
-650	6	7	1483802.8816	68.093	175.994	0.72	10.67	12.50	14.32
-649	11	21	1484335.0033	232.767	9.002	0.93	14.78	16.07	17.09*
-647	4	6	1484836.8487	9.126	171.949	0.77	10.02	11.33	12.65
-645	9	8	1485722.1320	158.155	7.740	0.40	18.13	18.48*	
-640	11	11	1487612.8499	223.228	172.964	0.86	9.03	10.53	12.03
-636	8	29	1489000.1007	149.045	172.151	0.61	17.37	18.18	18.65*
-635	8	19	1489354.7967	138.673	180.458	0.67	7.53	8.68	9.83
-634	2	12	1489531.8583	317.204	8.717	0.88	9.67	11.38	13.08
-633	6	29	1490034.1207	89.192	167.142	0.09	19.09	19.31*	
-632	6	17	1490388.1506	78.487	175.092	0.12	19.19	19.28*	
-625	2	3	1492809.6841	307.879	172.888	0.02		6.90*	6.86
-623	7	8	1493695.6119	97.865	9.629	0.21		4.70*	4.91
-613	12	13	1497505.7149	255.196	8.978	0.27		7.15*	7.48
-609	9	30	1498892.8332	180.099	7.164	0.67	8.69	9.93	11.17
-607	2	13	1499395.0057	318.785	172.527	0.59	15.31	16.43	17.28*
-606	7	30	1499926.8595	119.206	0.994	0.69	9.24	10.99	12.75
-602	5	18	1501314.7888	49.327	4.717	0.76	8.25	9.36	10.48
-600	9	20	1502170.7980	170.855	171.434	0.03	8.79	9.06	9.33
-596	7	9	1503558.6970	99.363	173.375	0.56	4.94	5.95	6.97
-595	6	28	1503912.8925	88.783	181.650	0.31	11.20	12.42	13.64
-593	5	9	1504592.7964	40.605	169.531	0.27	8.67	9.49	10.31
-587	7	29	1506866.1682	118.918	8.077	0.11	19.05	19.13*	
-586	12	14	1507368.9027	256.942	172.893	0.62	10.93	12.58	14.23
-584	5	28	1507900.0985	59.756	3.817	0.98	18.08	18.94	19.11*
-583	5	18	1508254.7739	49.703	12.575	0.10	7.96	8.44	8.93
-581	9	21	1509110.8264	171.277	179.247	0.67	8.38	9.55	10.73
-580	3	16	1509287.7795	349.477	7.169	0.69	7.58	8.95	10.31
-578	7	20	1510143.9748	109.873	172.571	0.62	14.28	15.55	16.82
-577	1	14	1510321.9800	288.454	0.868	0.14	15.21	15.80	16.38
-575	5	19	1511178.1057	51.043	168.651	0.05	18.90	18.99*	
-574	5	9	1511532.7329	40.934	177.407	0.26	6.89	7.64	8.39
-570	2	24	1512920.0721	329.741	179.937	0.14	17.29	17.47*	
-568	1	5	1513599.9036	279.073	164.989	0.17	12.05	12.93	13.80
-563	4	7	1515518.9810	10.851	358.514	0.48	15.07	16.25	17.42
-562	3	27	1515873.0778	0.091	6.513	0.06	17.92	18.05*	
-558	1	14	1517261.7625	288.618	8.726	0.91	7.12*	7.81	9.14
-556	5	19	1518118.0316	51.353	176.551	0.87	16.36	17.41	18.46
-555	11	1	1518648.9262	213.469	6.820	0.62	12.03	12.33	14.63
-553	3	18	1519150.9448	351.054	171.022	0.28	13.73	14.73	15.72
-552	8	31	1519682.7486	151.287	359.246	0.31	6.20	7.16	8.12
-551	8	20	1520036.7487	140.223	6.803	0.42	5.85	6.90	7.95
-548	6	19	1521070.7212	80.624	2.059	0.26	6.56	7.21	7.87
-546	10	23	1521926.8802	204.082	170.870	0.70	10.51	11.76	13.02
-543	3	27	1522812.7728	0.174	14.295	0.21	7.78	8.51	9.24
-541	7	31	1523668.7905	120.359	179.391	0.80	7.16	8.50	9.84
-536	11	1	1525588.9579	213.884	14.636	0.22	13.55	14.38	15.22
-533	8	31	1526622.0508	150.982	6.299	0.74	16.00	17.16	18.32
-531	1	15	1527124.9315	290.232	172.591	0.81	12.43	14.05	15.67
-530	6	30	1527656.0360	91.087	1.227	0.46	16.30	17.14	17.97
-529	6	20	1528010.6768	80.962	9.955	0.64	4.92	5.77	6.62
-527	10	23	1528866.9016	204.489	178.709	0.02	11.60	11.90	12.21
-526	4	18	1529043.6602	21.154	4.994	0.22	5.54*	5.88	6.51
-523	2	15	1530078.0264	321.401	0.074	0.56	16.08	17.00	17.32*
-520	6	10	1531288.6208	72.176	174.799	0.62		4.76*	5.51

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-516	3	28	1532676.0480	1.862	178.229	0.72	16.68	17.62	18.09*
-511	6	30	1534595.9791	91.412	9.125	0.04	15.31	15.67	16.02
-508	4	28	1535628.9487	31.613	4.171	0.58	13.63	14.95	16.26
-504	2	16	1537017.7586	321.518	7.893	0.68	6.69	7.98	9.28
-502	6	21	1537873.9160	82.599	173.943	0.48	12.48	13.77	15.06
-501	12	4	1538405.0438	247.130	6.789	0.64	16.26	16.92*	
-499	4	19	1538906.8446	22.739	168.892	0.04	10.63	11.09	11.55
-498	10	3	1539438.6904	184.022	358.205	0.11		6.03*	6.33
-497	9	22	1539792.6739	172.731	5.514	0.31		5.81*	6.16
-492	11	24	1541682.9960	237.695	170.756	0.82	14.63	15.79	16.96
-489	4	29	1542568.7010	31.764	11.995	0.62	5.84	6.74	7.64

4. Solar Eclipses for Hattusa (-2012 – -489)

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2012	3	9	986241.8157	331.209	10.022	1.00	7.98	9.28	10.58
-2010	7	12	987097.8128	91.268	174.981	0.73	7.59	8.90	10.21
-2005	10	14	989017.9856	184.609	9.998	0.84	13.03	14.30	15.57
-2003	2	27	989519.7743	322.237	174.563	0.31	6.96	7.78	8.61
-2002	8	12	990051.0378	121.769	1.735	0.27	15.36	16.26	17.16
-2001	12	28	990553.9299	261.039	168.062	0.60	11.24	12.87	14.50
-2000	12	16	990907.9485	249.661	175.344	0.21	11.98	13.13	14.28
-1998	6	1	991439.7163	51.984	5.673	0.48	5.94	6.79	7.64
-1996	10	4	992295.9264	175.220	174.102	0.92	10.90	12.22	13.55
-1992	7	22	993683.1214	101.886	174.310	0.55	17.65	18.48	19.31
-1989	5	23	994717.6553	43.208	170.514	0.89	5.01*	5.29	6.20
-1988	5	11	995071.9362	32.789	179.013	0.50	12.49	13.92	15.36
-1985	3	10	996105.0969	332.900	173.934	0.32	17.16	17.45*	
-1980	7	8	998052.0174	62.405	4.830	0.67	15.23	16.36	17.49
-1977	5	7	999034.9767	2.660	359.933	0.51	14.17	15.31	16.45
-1977	11	1	999262.7463	175.414	181.997	0.35	5.85*	6.43	7.26
-1975	9	9	999941.1530	123.314	165.574	0.17	18.66	19.19	19.22*
-1973	2	24	1000473.7708	292.421	3.490	0.04	7.26*	7.42	7.79
-1972	2	13	1000827.8416	281.276	11.067	0.69	7.91	9.54	11.17
-1969	12	2	1002215.7282	207.041	9.981	0.12		6.55*	6.81
-1966	9	30	1003248.6589	143.458	0.900	0.02		5.15*	5.17
-1965	9	19	1003602.8643	132.483	8.780	0.16	9.24	10.08	10.92
-1961	7	9	1004991.6376	62.432	12.503	0.45		4.69*	5.41
-1961	12	3	1005139.0296	208.428	166.155	0.56	14.82	15.84	16.87
-1958	5	7	1006024.7523	2.833	7.775	0.61	6.73	7.72	8.72
-1956	9	9	1006680.7640	123.325	173.227	0.36	6.23	7.11	7.99
-1955	2	7	1007032.0924	303.266	3.102	0.01	16.93	16.89*	
-1951	11	15	1008774.1034	218.274	10.016	0.36	16.88	17.22*	
-1949	4	1	1009275.7386	354.019	172.538	0.64	6.22	7.18	8.15
-1948	9	13	1009806.9828	154.409	0.625	0.01	13.95	14.19	14.44
-1946	1	29	1010309.9135	293.987	167.298	0.40	11.02	12.48	13.93
-1945	1	18	1010663.9237	282.798	174.739	0.32	11.28	12.69	14.10
-1944	7	3	1011195.6200	83.368	3.231	0.02		4.50*	4.57
-1942	11	6	1012052.0307	208.806	174.020	0.27	14.87	15.70	16.53
-1940	4	20	1012583.0624	13.278	6.947	0.22	16.82	17.43	18.05
-1939	4	10	1012937.7610	3.218	15.649	0.20	7.13	7.75	8.36
-1938	8	24	1013439.0985	134.155	172.825	0.63	16.67	17.58	18.50
-1937	8	14	1013793.6868	123.629	181.147	0.14	4.82	5.27	5.71
-1934	6	13	1014827.7516	63.944	176.306	0.61	6.24	7.40	8.55
-1931	4	11	1015861.0500	4.514	171.724	0.36	16.40	17.16	17.93
-1926	7	14	1017780.5277	93.920	2.529	0.92	11.50	13.05	14.60
-1923	11	6	1018591.8048	208.954	181.887	0.11	7.31	7.88	8.45
-1921	9	15	1019670.1160	155.991	164.504	0.08	17.74	18.15	18.57
-1918	2	18	1020556.7629	313.793	9.798	0.91	6.93*	7.35	8.71
-1916	6	23	1021413.0276	74.376	175.464	0.90	15.40	16.67	17.93
-1915	12	7	1021944.8459	240.726	10.027	0.82	8.37	9.66	10.94
-1912	4	11	1022801.0859	4.924	179.567	0.39	17.21	17.93	18.16*
-1911	9	24	1023331.8855	165.394	8.007	0.53	9.47	10.81	12.16
-1906	11	28	1025222.7688	231.270	174.038	0.75	7.02*	7.40	8.42
-1904	5	12	1025753.6752	34.113	5.187	0.16	5.44	5.92	6.40
-1902	9	15	1026609.7836	156.052	172.233	0.09	7.19	7.68	8.18
-1901	3	12	1026788.0021	335.364	1.365	0.64	14.71	15.90	17.09
-1899	7	15	1027644.1304	95.549	166.490	0.14	18.59	19.06	19.50*
-1895	5	3	1029031.6762	25.384	170.051	0.98	5.38*	5.83	6.72
-1892	3	2	1030065.8308	326.264	165.800	0.13	8.94	9.75	10.56
-1891	2	19	1030419.9433	315.286	173.456	0.57	8.37	9.94	11.52
-1889	7	25	1031205.7767	104.474	9.432	0.25	6.44	7.27	8.11
-1886	5	23	1032338.9844	44.514	4.311	0.70	14.17	15.33	16.48
-1885	5	13	1032693.7030	34.515	13.046	0.59	5.58	6.40	7.21
-1884	9	25	1033195.1382	167.102	172.064	0.56	17.58	18.34*	
-1883	9	15	1033549.7391	156.389	180.140	0.63	5.50	6.41	7.32
-1874	10	5	1036857.1420	176.788	15.781	0.02	18.08	18.12*	
-1872	8	15	1037536.8678	125.992	0.793	0.54	9.04	10.44	11.84
-1871	8	4	1037891.0692	115.146	8.806	0.56	16.21	17.27	18.33

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1871	12	20	1038038.8945	264.428	165.986	0.43	10.48	11.62	12.77
-1862	7	26	1041168.8737	105.992	173.227	0.28	9.72	11.00	12.27
-1861	7	15	1041522.8902	95.101	180.984	0.36	10.01	11.42	12.82
-1860	1	9	1041700.9366	274.117	9.751	1.00	11.66	13.09	14.52
-1858	5	14	1042557.0242	36.217	176.992	0.82	15.46	16.51	17.56
-1857	10	27	1043087.9583	198.847	7.827	0.84	11.94	13.41	14.88
-1852	12	30	1044978.8591	264.771	173.880	0.53	8.77	10.00	11.23
-1848	10	17	1046365.8611	189.376	171.901	0.47	9.09	10.21	11.32
-1846	4	2	1046897.9001	356.139	6.991	0.73	10.78	12.36	13.95
-1844	8	5	1047754.1660	116.662	172.618	0.68	18.46	19.32*	
-1841	6	5	1048787.6077	56.636	167.415	0.19		4.77*	4.94
-1837	3	24	1050175.7058	347.132	171.458	0.91		6.24*	7.33
-1835	8	26	1051061.6789	136.697	7.843	0.47		5.02*	5.62
-1832	6	24	1052094.9183	75.854	1.758	0.83	11.57	12.93	14.29
-1831	6	14	1052449.6399	65.796	10.410	0.97	4.65*	4.83	5.63
-1829	10	18	1053305.8371	189.746	179.761	0.42	8.14	9.08	10.02
-1825	2	10	1054516.9887	306.566	0.936	0.17	14.66	15.27	15.87
-1822	6	5	1055727.6420	57.059	175.225	0.34	4.77*	4.95	5.57
-1819	4	3	1056760.9856	357.620	170.677	0.17	14.67	15.47	16.27
-1818	9	17	1057292.8611	158.712	359.830	0.25	8.90	9.92	10.93
-1817	9	6	1057646.9937	147.583	7.491	0.78	13.26	14.76	16.25
-1816	2	1	1057794.9698	297.438	165.286	0.12	13.70	14.30	14.91
-1807	8	16	1061273.7796	127.118	179.167	0.71	6.10	7.38	8.65
-1806	2	10	1061456.9743	306.930	8.826	0.66	13.29	14.46	15.64
-1804	6	15	1062312.9554	67.502	174.355	0.72	13.12	14.36	15.60
-1803	11	28	1062844.0527	232.528	7.872	0.81	15.57	16.69	16.96*
-1797	2	1	1064734.9003	297.763	173.164	0.52	10.54	11.91	13.28
-1794	11	19	1066121.9623	223.043	171.872	0.71	12.25	13.59	14.93
-1792	5	4	1066653.7090	27.373	4.322	0.16	6.04	6.67	7.31
-1790	9	7	1067510.0819	149.117	171.271	0.91	16.07	17.24	18.40
-1784	11	28	1069784.0104	232.861	15.759	0.13	14.58	15.18	15.79
-1782	4	14	1070285.7674	7.977	177.327	0.00	7.93	8.04	8.16
-1778	7	27	1071850.8898	107.597	359.653	0.40	10.42	11.53	12.64
-1774	5	15	1073238.9731	37.750	3.368	0.77	13.69	15.17	16.66
-1771	3	14	1074272.9954	338.724	359.265	0.27	14.87	15.60	16.33
-1767	12	20	1076014.7787	254.909	7.814	0.97	7.33*	7.63	8.76
-1765	5	6	1076516.8006	28.871	168.024	0.12	8.26	8.95	9.65
-1764	4	24	1076871.0577	18.414	176.467	0.91	16.42	17.49	18.47*
-1763	10	8	1077402.9680	180.665	6.852	0.86	12.03	13.72	15.42
-1759	7	27	1078790.9271	108.010	7.492	0.38	11.68	12.76	13.85
-1753	9	18	1081034.7375	159.807	178.100	0.95	5.50*	6.19	7.33
-1752	3	14	1081212.9526	339.060	7.174	0.68	12.76	13.99	15.22
-1750	7	18	1082063.9062	99.091	172.141	0.27	11.41	12.37	13.33
-1743	3	5	1084490.8806	330.078	171.737	0.93	10.00	11.53	13.07
-1740	12	21	1085878.0669	256.645	171.808	0.55	16.07	16.66*	
-1737	5	26	1086763.7217	48.010	9.889	0.82	5.72	6.74	7.77
-1736	10	9	1087266.0490	182.217	170.579	0.95	15.00	16.34	17.68
-1731	7	18	1089008.7332	99.296	180.039	0.25	5.81	6.53	7.25
-1728	5	16	1090041.6461	39.210	174.744	0.37	*	5.09*	5.77
-1720	6	16	1092594.7827	68.908	0.630	0.10	7.96	8.56	9.16
-1713	7	29	1095594.0371	109.930	179.384	0.00	15.99	16.04	16.10
-1712	1	22	1095770.8440	288.100	7.323	0.50	8.67	9.38	11.09
-1710	5	27	1096626.9377	49.614	173.846	0.59	12.57	13.90	15.24
-1709	11	10	1097158.9733	214.182	6.647	0.61	12.46	14.08	15.70
-1708	10	29	1097512.9559	202.678	13.746	0.11	12.59	13.40	14.20
-1705	8	29	1098546.9396	140.363	6.060	0.88	11.53	12.90	14.27
-1703	1	12	1099048.7910	278.823	171.549	1.00	7.37*	8.07	9.21
-1702	6	27	1099580.0607	79.349	359.793	0.24	16.68	17.46	18.24
-1699	10	20	1100790.7544	193.094	177.691	0.94	6.24*	6.73	7.87
-1698	4	16	1100958.8752	10.614	4.904	0.82	10.32	11.70	13.08
-1696	8	19	1101824.8944	131.238	170.492	0.06	11.25	11.72	12.20
-1693	1	22	1102710.8430	288.475	15.188	0.33	8.77	9.73	10.69
-1689	4	7	1104246.7995	1.768	169.642	0.69	7.70	8.97	10.25
-1688	3	26	1104601.0345	351.196	177.949	0.62	15.65	16.80	17.86*

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1683	6	27	1106519.6014	79.300	7.341	0.17		4.52*	4.66
-1682	11	11	1107022.0581	215.727	170.378	0.95	15.45	16.80	17.27*
-1677	2	23	1108587.0472	320.471	358.240	0.16	16.47	17.07	17.20*
-1677	8	20	1108764.6681	131.392	178.357	0.52		4.92*	5.55
-1668	9	8	1112072.1242	151.519	13.621	0.24	17.51	18.16	18.68*
-1665	7	8	1113104.9054	89.809	6.591	0.41	10.83	12.11	13.38
-1661	4	27	1114493.7570	21.035	11.683	0.53	6.53	7.61	8.70
-1659	8	30	1115349.9897	142.238	177.951	0.24	13.33	14.25	15.17
-1658	2	23	1115526.8668	320.661	6.149	0.49	9.96	11.13	12.30
-1656	6	28	1116382.8418	80.934	171.365	0.16	9.28	10.03	10.79
-1655	12	12	1116914.9898	247.745	6.551	0.62	13.55	15.04	16.54
-1654	12	1	1117268.9970	236.288	13.733	0.24	13.81	14.85	15.88
-1651	9	30	1118302.9977	173.378	5.346	0.50	13.58	14.68	15.78
-1649	2	14	1118804.8342	311.601	170.565	0.90	8.37	9.68	10.99
-1648	7	29	1119335.9229	111.015	357.601	0.04	12.21	12.67	13.12
-1645	11	22	1120546.8034	226.702	177.623	0.63	6.94*	8.04	9.19
-1644	5	18	1120724.7591	41.852	2.277	0.03	7.84	8.13	8.42
-1642	9	21	1121580.9273	164.051	169.550	0.30	11.69	12.67	13.64
-1639	2	23	1122466.8817	321.067	13.974	0.30	10.27	11.19	12.12
-1638	7	9	1122968.1484	91.464	170.599	0.88	18.45	19.29	19.51*
-1637	6	29	1123222.7881	81.274	179.246	0.40	7.47	8.37	9.26
-1635	5	9	1124002.6715	33.054	167.094	0.33	5.22*	5.66	6.38
-1634	4	28	1124356.8589	22.534	175.411	0.78	9.40	11.07	12.75
-1628	12	13	1126778.0759	249.283	170.251	0.35	16.27	16.72*	
-1626	5	29	1127310.0517	52.243	1.398	0.75	16.30	17.38	18.46
-1616	5	8	1130542.1287	32.914	174.508	0.41	18.37	18.78*	
-1615	10	22	1131473.7240	195.683	5.195	0.78		6.30*	7.09
-1611	8	9	1132860.8487	121.724	4.700	0.82	8.31	9.72	11.13
-1605	10	2	1135105.9824	175.209	177.165	0.19	12.94	13.81	14.69
-1604	3	27	1135282.8377	352.593	4.210	0.29	9.58	10.47	11.37
-1600	1	14	1136670.9750	280.991	6.078	0.74	13.26	14.75	16.25
-1597	11	2	1138059.0930	206.887	5.198	0.29	16.92	17.45*	
-1595	3	18	1138560.8313	343.717	168.874	0.73	8.67	9.91	11.14
-1593	8	20	1139446.1787	132.501	4.243	0.06	18.98	19.07*	
-1591	1	4	1139948.7381	271.498	169.984	0.08		7.39*	7.50
-1591	12	24	1140302.8545	260.239	177.503	0.08	8.95	9.53	10.11
-1589	6	9	1140834.8419	62.559	8.011	0.44	8.61	9.88	11.16
-1588	10	23	1141337.0018	197.423	169.239	0.85	13.66	14.94	16.23
-1585	3	28	1142222.8709	353.003	12.057	0.36	10.11	11.06	12.02
-1584	8	10	1142724.1125	123.414	168.750	0.72	17.25	18.12	19.00
-1583	7	31	1143078.7650	113.061	177.176	0.93	6.25	7.31	8.37
-1580	5	30	1144112.6604	53.660	172.649	0.87	4.82*	5.25	6.25
-1576	3	18	1145500.8653	344.141	176.679	0.15	10.41	11.12	11.83
-1574	8	20	1146386.1159	132.834	12.121	0.49	17.27	18.03	18.80
-1573	1	15	1146534.0602	282.526	169.743	0.31	16.11	16.66*	
-1572	6	30	1147065.9273	83.555	358.868	0.35	12.06	13.27	14.49
-1571	6	19	1147420.1153	72.968	7.135	0.61	17.95	18.90	19.43*
-1565	8	11	1149664.1027	123.786	176.627	0.04	17.37	17.61	17.84
-1562	6	10	1150697.9290	64.045	171.748	0.14	12.82	13.73	14.64
-1561	5	30	1151051.9717	53.382	179.754	0.43	13.69	14.96	16.23
-1561	11	24	1151229.8293	229.349	5.227	0.61	7.88	9.05	10.22
-1557	9	11	1152616.8562	154.297	3.547	0.87	8.44	9.83	11.23
-1546	2	15	1156426.9047	313.658	4.926	0.53	11.11	12.62	14.13
-1541	4	20	1158316.7897	15.289	166.590	0.24	8.03	8.76	9.48
-1535	7	11	1160590.6659	93.919	5.485	0.64	4.50*	4.97	5.90
-1534	6	30	1160944.6899	83.134	13.352	0.07	4.99	5.35	5.72
-1534	11	25	1161093.0938	231.075	169.242	0.27	16.71	16.98*	
-1532	5	9	1161624.0936	34.456	0.904	0.70	17.45	18.33	18.81*
-1531	4	29	1161978.8211	24.452	9.616	0.73	8.54	9.66	10.78
-1530	9	12	1162480.1365	156.023	167.603	0.73	17.59	18.45	18.59*
-1529	9	2	1162834.7908	145.467	175.768	0.70	6.84	7.90	8.96
-1524	12	4	1164754.9066	240.665	13.012	0.37	10.35	11.72	13.09
-1522	4	20	1165256.8192	15.707	174.402	0.66	8.53	9.71	10.88
-1520	9	21	1166142.1730	165.661	11.194	0.02	18.38	18.37*	

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1519	2	16	1166290.0003	315.172	168.628	0.14	14.81	15.53	16.26
-1517	7	22	1167175.9457	104.481	4.733	0.73	11.91	13.60	15.29
-1513	5	10	1168564.1338	34.872	8.749	0.02	18.80	18.82*	
-1510	9	2	1169774.8013	145.855	183.630	0.06	7.60	7.99	8.39
-1507	7	1	1170807.8023	84.654	177.164	0.82	7.17	8.58	9.98
-1507	12	26	1170985.9226	262.920	5.156	0.22	11.74	12.71	13.68
-1504	4	30	1171842.1311	26.146	173.568	0.31	18.38	18.63*	
-1503	10	13	1172372.9214	187.505	3.084	0.30	10.99	12.03	13.07
-1498	12	17	1174263.8146	253.478	169.201	0.41	7.83	8.87	9.90
-1491	3	8	1176536.9563	334.911	11.180	0.03	13.46	13.80	14.14
-1490	7	23	1177039.0258	105.980	168.481	0.13	15.92	16.54	17.16
-1489	7	12	1177393.0860	95.169	176.372	0.41	16.87	17.74	18.61
-1485	5	1	1178781.9799	26.379	181.473	0.10	14.63	15.21	15.80
-1484	10	13	1179212.9070	187.871	10.958	0.45	10.54	11.66	12.79
-1482	2	27	1179814.8530	325.835	175.680	0.20	9.54	10.46	11.37
-1478	6	11	1181380.0286	65.719	358.265	0.20	15.91	16.55	17.19
-1477	6	1	1181734.7519	55.703	6.970	0.82	6.64	7.63	8.62
-1475	10	4	1182590.8672	178.525	175.067	0.95	9.03	10.27	11.50
-1474	3	30	1182768.0658	356.178	2.327	0.90	16.52	17.65	17.97*
-1469	1	6	1184510.9374	274.071	12.757	0.39	11.58	12.95	14.33
-1468	5	22	1185012.7443	46.980	171.818	0.92	6.39	7.42	8.45
-1463	8	23	1186931.8275	136.557	2.983	0.86	7.24	8.79	10.34
-1459	6	11	1188320.0593	66.140	6.084	0.64	16.47	17.40	18.33
-1458	6	1	1188674.6348	55.982	14.855	0.18		4.79*	5.15
-1453	8	3	1190563.6807	116.364	175.046	0.91	4.68*	5.00	6.00
-1452	1	28	1190741.9740	296.044	4.594	0.59	13.55	14.72	15.90
-1450	6	2	1191598.0516	57.392	170.956	0.38	16.62	17.40	18.19
-1444	8	22	1193871.1555	136.273	10.099	0.72	18.05	18.99	18.99*
-1443	1	18	1194019.8652	286.746	168.801	0.74	9.08	10.60	12.13
-1442	1	7	1194374.0670	275.641	176.548	0.13	16.43	16.62*	
-1440	11	5	1195406.9531	211.658	167.056	0.48	12.36	13.50	14.65
-1437	4	10	1196292.8626	6.572	9.044	0.64	9.62	10.94	12.27
-1435	8	13	1197148.9872	127.070	174.485	0.89	13.28	14.66	16.04
-1431	6	2	1198537.8429	57.573	178.818	0.46	9.05	10.33	11.61
-1430	11	15	1199069.0263	221.505	10.898	0.89	14.61	15.76	16.91
-1428	3	31	1199570.7853	357.691	173.737	0.56	7.38	8.51	9.63
-1423	7	3	1201490.6855	87.088	4.462	0.42	4.97	5.69	6.41
-1421	11	6	1202346.9789	212.070	174.882	0.22	13.17	13.96	14.76
-1420	5	1	1202523.8909	27.502	359.746	0.26	11.55	12.65	13.76
-1418	4	10	1203232.7095	6.813	16.919	0.03	6.16	6.41	6.65
-1415	2	7	1204266.9128	306.942	11.884	0.38	10.89	12.23	13.57
-1414	6	24	1204768.6624	78.285	169.255	0.46	4.53*	5.13	5.86
-1413	6	13	1205123.1268	67.990	177.931	0.23	18.34	18.95	19.38*
-1413	12	7	1205299.7610	243.579	3.056	0.37		7.21*	7.96
-1410	4	11	1206156.0869	8.199	172.952	0.52	17.31	18.16	18.24*
-1409	9	25	1206687.7695	169.295	1.978	0.66	5.81	7.02	8.24
-1408	9	13	1207041.7942	158.036	9.376	0.08	7.07	7.60	8.12
-1405	7	14	1208076.0035	97.627	3.732	0.92	14.30	15.49	16.67
-1398	3	1	1210497.9630	328.519	3.304	0.68	13.33	14.55	15.78
-1394	12	7	1212239.7754	243.971	10.900	0.49	7.21*	7.63	8.53
-1391	4	11	1213096.0201	8.510	180.855	0.16	15.65	16.23	16.81
-1390	9	24	1213627.1213	169.036	9.115	0.95	17.08	18.15	18.30*
-1389	2	20	1213775.8554	319.407	167.729	0.51	9.14	10.53	11.91
-1388	2	9	1214130.0252	308.478	175.621	0.68	15.10	16.34	16.98*
-1386	12	8	1215163.0701	245.344	167.050	0.39	16.24	16.77*	
-1385	11	28	1215517.7273	234.538	174.878	0.27		7.08*	7.31
-1383	5	12	1216048.7426	37.871	6.456	0.60	6.49	7.48	8.48
-1381	9	15	1216904.9488	159.652	173.276	0.89	11.67	13.15	14.64
-1377	7	5	1218293.7062	88.896	176.308	0.67	4.95	5.94	6.93
-1374	5	3	1219326.6923	29.088	171.313	0.95	5.30*	6.15	7.11
-1369	8	5	1221246.6473	118.897	2.445	0.21		4.72*	5.06
-1368	7	24	1221601.1212	108.416	10.917	0.38	17.75	18.52	19.28
-1365	5	23	1222634.0386	48.267	5.578	0.51	16.01	16.99	17.97
-1364	5	12	1222988.6430	38.153	14.370	0.42		5.11*	5.67

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1362	9	15	1223844.7018	159.787	181.124	0.43		5.50*	6.24
-1361	3	12	1224022.8232	339.136	10.271	0.77	7.96	9.46	10.96
-1359	7	15	1224878.9959	99.426	175.539	0.87	13.97	15.29	16.62
-1356	5	13	1225911.9901	39.506	170.428	0.08	15.24	15.72	16.19
-1355	10	27	1226443.7558	202.612	1.547	0.51	6.45*	6.75	7.82
-1354	10	16	1226797.7978	191.213	8.830	0.29	6.97	7.90	8.83
-1351	8	15	1227831.9780	129.630	1.928	0.42	13.19	14.26	15.33
-1350	12	30	1228333.8106	267.684	166.949	0.29	8.04	8.87	9.70
-1344	4	2	1230253.8905	0.340	1.317	0.27	11.51	12.51	13.51
-1339	1	8	1231995.8831	277.440	10.667	1.01	9.76	11.16	12.56
-1337	5	14	1232651.9606	39.854	178.320	0.64	13.35	14.51	15.68
-1335	3	24	1233531.7811	351.394	165.942	0.16	7.62	8.35	9.08
-1334	3	13	1233885.9199	340.639	173.973	0.87	11.45	13.15	14.85
-1332	6	15	1234771.7378	129.784	9.750	0.19	5.47	6.11	6.75
-1331	12	30	1235273.8403	268.106	174.748	0.41	8.40	9.41	10.41
-1329	6	14	1235804.6327	69.096	3.826	0.06	4.61*	4.74	5.03
-1327	10	17	1236660.9755	192.850	172.779	0.75	12.50	13.92	15.35
-1320	6	4	1239082.5963	60.319	168.701	0.00		4.72*	4.70
-1314	8	26	1241357.0556	140.572	9.259	0.68	15.46	16.58	17.71
-1311	6	24	1242389.9365	79.543	3.005	0.97	12.04	13.50	14.97
-1308	10	17	1243600.7766	193.031	180.659	0.47	6.48	7.38	8.27
-1307	4	13	1243778.6724	10.723	7.985	0.66		5.71*	6.60
-1305	8	17	1244634.8979	131.375	173.679	0.49	10.23	11.67	13.11
-1304	8	5	1244988.9544	120.417	181.429	0.04	12.69	13.12	13.56
-1301	11	29	1246199.7714	236.189	1.440	0.22	7.10*	7.18	8.00
-1300	11	17	1246553.8457	224.777	8.750	0.74	8.08	9.51	10.95
-1295	1	31	1248089.8834	300.805	166.298	0.47	10.20	11.38	12.57
-1289	4	24	1250363.9466	21.150	7.124	0.30	12.80	13.94	15.09
-1285	2	10	1251751.9479	310.373	9.843	0.67	12.39	13.57	14.75
-1283	6	15	1252607.8984	71.134	175.707	0.90	10.83	12.20	13.56
-1280	4	14	1253641.7571	12.206	171.676	0.95	6.38	7.69	9.01
-1278	9	17	1254527.7034	162.382	8.611	0.23		5.56*	6.00
-1276	2	1	1255029.9149	301.216	174.129	0.37	11.38	12.49	13.59
-1273	11	19	1256417.0414	226.435	172.704	0.53	15.17	16.31	17.06*
-1272	5	15	1256595.0502	42.095	357.911	0.23	16.67	17.40	18.14
-1262	4	25	1260227.0282	22.629	170.814	0.08	16.49	17.00	17.51
-1261	4	14	1260581.0792	11.933	178.798	0.52	17.03	18.00	18.32*
-1261	10	9	1260758.7008	184.403	0.496	0.24		6.05*	6.36
-1260	9	27	1261113.0369	173.386	8.355	0.95	14.65	15.96	17.27
-1257	7	27	1262145.8732	111.183	0.319	0.58	9.52	10.84	12.16
-1251	9	18	1264390.8476	163.974	172.508	0.24	8.72	9.73	10.74
-1250	3	14	1264567.9214	342.227	0.452	0.10	12.85	13.40	13.95
-1250	9	7	1264744.8578	152.756	179.943	0.55	8.10	9.55	11.01
-1246	12	20	1266309.9045	258.361	8.716	0.82	10.16	11.83	13.50
-1238	7	27	1269035.8575	111.554	8.696	0.22	9.26	10.06	10.86
-1237	12	11	1269587.7590	248.854	172.699	0.63		7.27*	8.19
-1235	5	26	1270119.7476	52.304	4.345	0.43	6.51	7.52	8.53
-1234	5	15	1270473.7883	41.654	12.372	0.17	7.52	8.25	8.97
-1231	3	14	1271507.9573	342.647	8.283	0.51	12.99	14.04	15.08
-1230	7	23	1272009.1597	112.890	164.844	0.18	18.87	19.33	19.36*
-1229	7	18	1272363.8552	102.678	173.355	0.41	9.26	10.33	11.39
-1224	10	19	1274283.7117	195.585	8.118	0.10		6.30*	6.43
-1222	3	5	1274785.9337	333.683	172.810	0.95	12.06	13.40	14.75
-1220	8	6	1275671.1871	122.239	8.077	0.43	18.90	19.24*	
-1219	1	1	1275818.8872	271.212	164.945	0.06	10.92	11.53	12.15
-1217	6	6	1276705.0147	62.679	3.423	0.84	15.04	16.40	17.76
-1211	7	28	1278949.1837	113.296	172.697	0.43	18.94	19.36*	
-1210	7	18	1279303.8517	103.054	181.232	0.35	8.95	10.00	11.06
-1207	5	16	1280336.9090	43.169	176.162	0.98	11.14	12.84	14.54
-1207	11	10	1280514.7817	217.937	0.383	0.12	7.06	7.61	8.17
-1206	10	30	1280869.0579	206.743	8.079	0.81	15.48	16.74	17.46*
-1203	8	28	1281901.8647	143.417	359.273	0.22	9.37	10.24	11.10
-1197	10	21	1284146.8430	197.172	171.977	0.34	8.45	9.59	10.72
-1196	10	9	1284500.8203	185.743	179.160	0.65	7.05	8.37	9.70

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1191	1	21	1286065.9353	291.606	8.261	0.94	11.73	13.25	14.76
-1185	3	16	1288311.0754	344.558	180.092	0.28	16.93	17.67	17.71*
-1184	8	28	1288641.8681	143.814	7.111	0.56	9.13	10.32	11.50
-1182	1	12	1289343.8162	282.252	172.406	0.80	7.47	8.76	10.06
-1180	6	16	1290229.6048	72.822	9.621	0.25		4.57*	4.78
-1180	11	11	1290378.0104	219.640	164.356	0.13	14.83	15.50	16.17
-1177	4	16	1291263.9196	14.321	6.102	0.77	11.77	13.03	14.29
-1175	8	19	1292119.8538	134.740	171.580	0.12	9.53	10.14	10.74
-1174	2	12	1292297.0628	313.513	0.068	0.36	16.50	17.07*	
-1172	1	22	1293005.7721	291.820	16.149	0.04	7.26*	7.59	7.93
-1170	11	21	1294039.7476	229.145	8.029	0.46		6.98*	7.71
-1168	4	6	1294541.8998	5.510	170.834	0.55	11.13	12.38	13.63
-1163	7	8	1296460.8226	93.976	0.787	0.43	7.99	9.29	10.59
-1162	6	27	1296814.8849	83.255	8.770	0.07	10.50	11.12	11.74
-1158	4	16	1298203.7746	14.574	13.985	0.23	7.29	8.04	8.79
-1156	8	19	1299059.8179	135.095	179.446	0.72	7.38	8.60	9.83
-1153	6	18	1300092.7452	74.365	173.478	0.83	5.92	7.06	8.20
-1152	12	1	1300625.0903	240.355	7.995	0.19	16.65	16.84*	
-1144	7	7	1303409.1699	93.727	7.989	0.67	18.85	19.50*	
-1143	11	22	1303502.8642	230.722	171.824	0.71	8.69	10.23	11.77
-1142	11	11	1304256.8267	219.198	178.890	0.42	7.40	8.54	9.68
-1137	2	23	1305821.9261	324.249	7.165	0.95	11.69	13.11	14.53
-1135	6	28	1306678.0327	84.807	172.650	0.70	15.58	16.71	17.83
-1134	4	17	1308066.9680	16.160	177.885	0.64	13.56	14.89	16.23
-1130	9	30	1308597.9319	176.731	6.268	0.84	11.15	12.48	13.81
-1128	2	14	1309099.8378	315.105	171.545	0.79	8.41	9.81	11.21
-1123	5	18	1311019.8429	45.646	3.509	0.67	9.34	10.54	11.74
-1121	9	21	1311875.8962	167.466	170.478	0.33	10.59	11.54	12.50
-1120	3	16	1312052.9615	345.661	358.364	0.09	14.40	14.98	15.56
-1118	2	23	1312761.8077	324.508	15.067	0.32	7.93	8.82	9.70
-1116	6	28	1313617.7708	84.935	180.483	0.16	7.16	7.77	8.39
-1116	12	23	1313795.7757	262.690	7.904	0.92	7.37*	7.43	8.73
-1114	5	9	1314297.8222	36.894	168.381	0.14	9.01	9.66	10.32
-1108	7	29	1316570.7540	114.848	6.522	0.74	5.61	6.73	7.85
-1105	5	29	1317605.1494	56.055	2.633	0.45	18.78	19.21*	
-1104	5	18	1317959.6476	45.838	11.393	0.74	4.96*	5.02	5.90
-1102	9	21	1318815.8313	167.781	178.380	0.80	7.67	8.93	10.19
-1099	7	20	1319848.6195	105.838	171.116	0.07		4.57*	4.61
-1090	8	9	1323156.0579	125.504	5.919	0.84	15.61	16.77	17.93
-1089	12	25	1323658.8794	264.245	171.642	0.89	9.05	10.82	12.60
-1088	12	13	1324012.8469	252.775	178.762	0.03	8.73	9.10	9.46
-1083	3	27	1325577.8721	356.244	5.356	0.73	10.19	11.53	12.88
-1081	7	21	1326433.9239	116.439	170.455	0.08	12.44	13.02	13.60
-1077	5	20	1327822.8184	47.402	175.281	0.86	8.07	9.51	10.96
-1076	11	1	1328354.0363	210.183	6.015	0.37	15.24	16.11	16.98
-1074	3	18	1328855.8135	347.305	169.973	0.86	8.02	9.32	10.62
-1069	6	20	1330775.7582	76.915	0.899	0.06	7.42	7.76	8.11
-1067	10	23	1331631.9859	200.776	170.052	1.01	13.14	14.40	15.66
-1064	3	27	1332517.7929	356.556	13.238	0.51	7.65	8.63	9.61
-1062	7	31	1333373.7192	116.623	178.336	0.63	5.13	6.04	6.95
-1061	1	25	1333551.7645	295.855	7.342	0.68	7.21*	7.25	8.52
-1059	5	30	1334408.0982	57.788	174.391	0.97	17.53	18.54	19.24*
-1057	11	2	1335293.9943	210.520	13.897	0.33	13.68	14.69	15.71
-1054	8	31	1336326.6843	147.046	4.937	0.72		5.23*	5.94
-1053	8	20	1336681.0913	136.353	13.187	0.23	16.83	17.46	18.08
-1051	6	30	1337361.0661	87.382	0.091	0.20	16.73	17.34	17.94
-1048	10	23	1338571.8858	201.055	177.957	0.38	9.44	10.54	11.64
-1044	8	10	1339959.0445	127.316	177.733	0.08	15.63	16.03	16.44
-1043	2	4	1340137.0791	306.784	6.991	0.21	16.65	16.95*	
-1040	11	23	1341524.7827	232.641	6.008	0.85	7.04*	7.79	8.85
-1037	3	29	1342381.1138	358.274	177.161	0.36	17.70	18.01*	
-1036	9	10	1342912.0071	157.936	4.559	0.51	13.83	15.05	16.26
-1034	1	26	1343414.8531	297.390	171.012	0.94	8.39	10.16	11.93
-1032	6	30	1344300.7912	87.495	7.909	0.56	6.90	8.03	9.17

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1029	4	29	1345333.7868	27.731	2.993	0.15	8.33	8.94	9.56
-1023	6	21	1347578.6535	78.601	172.615	0.93	4.53*	4.84	5.79
-1020	4	19	1348611.7523	18.940	167.786	0.46	6.76	7.66	8.57
-1014	7	11	1350886.0798	97.986	7.116	0.75	16.64	17.69	18.74
-1013	11	25	1351288.1020	234.417	170.017	0.00	16.97	16.93*	
-1011	5	9	1351919.0883	38.160	2.131	0.89	17.27	18.23	18.88*
-1010	4	29	1352273.7479	28.077	10.883	0.84	6.56	7.54	8.52
-1008	9	1	1353129.7200	148.910	176.806	0.91	5.26*	5.94	6.90
-1007	2	26	1353307.6922	328.403	6.079	0.02		6.64*	6.61
-1005	7	2	1354163.9335	89.049	171.773	0.19	12.68	13.65	14.62
-1004	6	20	1354517.9931	78.354	179.776	0.32	14.22	15.31	16.41
-1001	4	20	1355551.7549	19.326	175.640	0.27	7.06	7.76	8.46
-1000	10	2	1356082.6796	179.917	4.084	0.02		5.95*	5.93
-999	9	21	1356437.1176	169.053	12.134	0.62	17.09	17.97	18.30*
-989	3	9	1359892.9852	339.106	5.478	0.67	13.86	15.20	16.53
-986	12	26	1361280.9006	266.260	5.964	0.29	10.86	11.87	12.88
-983	4	30	1362137.0715	29.789	174.816	0.93	16.81	17.74	18.68
-982	10	13	1362668.0257	191.002	3.956	0.16	15.00	15.72	16.44
-980	2	28	1363170.7748	329.904	169.750	0.74	6.61*	7.91	9.29
-978	8	2	1364056.6662	119.135	5.699	0.84		4.72*	5.62
-977	12	17	1364558.8421	256.853	169.986	0.77	8.46	9.71	10.95
-967	12	26	1368220.8046	266.557	13.843	0.23	7.60	8.43	9.27
-966	5	22	1368367.6718	50.252	165.225	0.04	5.37	5.62	5.86
-963	10	13	1369607.8317	191.201	11.807	0.02	8.87	9.13	9.39
-960	8	12	1370641.9645	129.810	5.083	0.93	12.33	13.90	15.48
-957	6	11	1371674.9962	69.406	359.499	0.45	14.58	15.60	16.62
-956	5	31	1372029.6846	59.359	8.243	0.80	5.06	5.90	6.74
-954	10	4	1372885.7781	181.853	175.989	0.77	6.54	7.57	8.60
-950	7	23	1374273.8173	109.803	177.330	0.95	7.12	8.66	10.20
-947	5	22	1375307.6959	50.654	173.072	0.78	5.32	6.19	7.06
-946	11	4	1375838.7290	213.324	3.834	0.57		6.68*	7.29
-938	6	11	1378614.9949	69.795	7.348	0.31	14.62	15.46	16.29
-935	4	10	1379648.8326	10.796	3.281	0.36	9.20	10.42	11.64
-934	3	30	1380002.8724	0.016	11.183	0.25	9.95	11.00	12.05
-933	8	14	1380505.0862	131.359	168.926	0.58	16.57	17.57	18.57
-932	8	2	1380859.1002	120.402	176.617	0.17	17.09	17.71	18.33
-931	1	27	1381036.9801	299.504	5.452	0.75	13.66	14.81	15.96
-929	6	2	1381893.0055	61.081	172.176	0.48	15.06	16.00	16.93
-928	11	14	1382424.0870	224.528	3.835	0.04	17.06	17.10*	
-925	3	21	1383280.7136	350.975	175.690	0.21	6.15*	6.32	7.02
-922	1	18	1384314.9294	290.227	169.665	0.94	11.51	12.96	14.41
-919	11	5	1385701.9592	215.018	167.832	0.57	12.42	13.73	15.05
-917	4	21	1386234.1060	21.250	2.439	0.74	17.70	18.53*	
-912	1	28	1387976.8499	299.756	13.357	0.47	8.70	9.99	11.29
-910	6	2	1388832.9867	61.442	180.059	0.34	14.24	15.19	16.14
-909	11	15	1389363.9354	224.767	11.705	0.71	11.41	12.78	14.14
-907	3	31	1389866.0048	1.551	174.974	0.85	14.70	15.99	17.29
-906	9	14	1390397.8984	162.253	3.754	0.76	9.52	11.20	12.88
-902	7	3	1391785.6246	90.731	5.667	0.39		4.50*	4.93
-900	11	5	1392641.8767	215.328	175.713	0.59	9.34	10.49	11.64
-896	8	24	1394029.6928	141.796	175.468	0.71		5.12*	6.12
-895	8	13	1394383.8317	130.895	183.369	0.07	8.35	8.87	9.38
-893	6	24	1395063.6338	81.962	170.478	0.77		4.51*	5.27
-892	12	6	1395594.8037	246.963	3.836	0.34	7.31	8.26	9.22
-885	1	29	1397840.0534	301.395	177.268	0.40	16.07	16.87*	
-884	7	13	1398370.9457	101.255	4.905	0.81	12.20	13.50	14.80
-883	7	3	1398725.6263	91.112	13.535	0.12		4.50*	4.65
-880	5	1	1399758.7160	31.427	8.711	0.89	5.57	6.66	7.75
-879	9	15	1400261.0079	163.808	167.566	0.30	14.40	15.40	16.40
-878	9	4	1400614.9966	152.612	174.990	0.61	13.26	14.62	15.97
-877	3	1	1400793.0107	332.120	4.289	0.95	14.70	15.79	16.88
-875	7	4	1401648.9476	92.454	169.651	0.01	13.82	14.00	14.18
-868	2	20	1404070.9665	323.031	168.733	0.37	13.38	14.39	15.40
-865	12	8	1405458.0496	248.669	167.823	0.59	15.61	16.68	16.74*

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-863	5	23	1405989.9061	52.439	359.696	0.43	11.48	12.94	14.40
-862	5	12	1406343.9948	41.827	7.827	0.04	15.25	15.66	16.07
-858	3	1	1407732.8356	332.330	12.181	0.54	8.46	9.76	11.05
-856	7	4	1408588.8945	92.782	177.550	0.91	10.22	11.73	13.25
-855	12	17	1409120.0495	258.432	11.698	0.44	15.63	16.52	16.65*
-853	5	3	1409621.8672	32.973	172.556	0.61	9.76	11.23	12.71
-852	10	16	1410153.8806	195.324	3.103	0.45	9.06	10.48	11.91
-851	10	5	1410507.8589	183.931	10.306	0.13	9.00	9.84	10.68
-843	5	12	1413283.6514	41.890	15.549	0.15	5.04*	5.07	5.53
-841	9	15	1414139.7998	163.366	182.077	0.30	6.93	7.83	8.73
-831	3	2	1417596.0176	333.928	176.052	0.78	14.95	16.17	17.40
-830	8	15	1418126.9312	133.184	2.978	0.73	11.34	12.64	13.94
-829	12	30	1418628.7721	271.033	167.732	0.22	7.38*	7.73	8.45
-825	10	18	1420016.9803	196.879	166.876	0.27	13.46	14.56	15.67
-824	10	6	1420370.9561	185.480	174.085	0.73	11.63	13.20	14.76
-823	4	2	1420548.9865	4.081	2.435	0.93	14.15	15.33	16.50
-818	1	8	1422290.7836	280.738	11.543	0.75	7.35*	7.90	9.00
-816	5	13	1423146.9220	43.542	179.537	0.42	12.02	13.18	14.34
-810	12	30	1425568.7393	271.384	175.600	0.13		7.38*	7.49
-808	6	13	1426099.8315	73.011	5.116	0.92	8.21	9.64	11.07
-804	4	2	1427488.7551	4.249	10.272	0.89	6.42	7.60	8.79
-802	8	6	1428344.8219	124.508	175.442	0.64	7.59	8.85	10.12
-799	6	4	1429377.7218	64.182	169.905	0.44	5.69	6.57	7.45
-798	11	18	1429909.8935	228.817	2.896	0.09	10.30	11.08	11.86
-797	11	7	1430263.8563	217.302	9.958	0.46	8.44	9.84	11.23
-790	6	24	1432685.1171	83.433	4.261	0.75	17.75	18.71	19.49*
-787	10	17	1433895.8284	196.483	181.471	0.16	7.93	8.63	9.32
-784	8	16	1434930.1405	135.205	174.885	0.22	17.92	18.50	19.01*
-783	2	9	1435106.9031	313.442	2.925	0.13	11.89	12.61	13.32
-777	4	4	1437351.9146	5.811	174.118	0.91	11.38	13.02	14.65
-776	9	16	1437882.9621	165.753	1.743	0.10	12.92	13.49	14.05
-774	1	31	1438284.8305	304.215	167.201	0.55	8.37	9.59	10.80
-771	11	19	1439772.9857	230.369	166.629	0.36	13.53	14.82	16.11
-770	11	8	1440126.9648	218.871	173.743	0.51	12.13	13.61	15.09
-769	5	5	1440304.9103	35.556	0.015	0.41	11.94	13.06	14.18
-765	8	17	1441869.7144	135.168	182.502	0.07	5.24	5.65	6.06
-764	2	10	1442046.8514	313.769	10.817	0.94	8.98	10.30	11.61
-762	6	15	1442902.8392	74.807	176.933	0.88	8.67	9.98	11.30
-757	9	17	1444822.8916	166.062	9.637	0.31	10.02	11.09	12.17
-755	1	31	1445324.8238	304.589	175.060	0.19	8.43	9.15	9.87
-754	7	16	1445855.6989	104.405	2.657	0.34	4.96	5.71	6.47
-753	7	5	1446210.1675	94.054	11.273	0.40	18.94	19.50*	
-750	5	5	1447244.6221	35.661	7.823	0.26		5.16*	5.41
-748	9	7	1448100.7897	156.826	173.980	0.35	6.86	7.80	8.74
-744	6	25	1449488.1469	85.265	176.079	0.29	18.54	19.12	19.50*
-743	12	9	1450019.8769	250.884	9.853	0.82	8.93	10.69	12.45
-736	7	26	1452441.0000	114.963	1.949	0.49	14.01	15.17	16.34
-732	5	15	1453829.9042	46.063	6.938	0.42	10.99	12.31	13.63
-730	9	18	1454686.1237	167.740	173.655	0.36	17.33	18.10	18.33*
-729	3	14	1454862.8918	345.796	1.491	0.15	11.74	12.44	13.14
-723	5	6	1457107.7605	37.196	171.645	0.79	6.53	7.76	9.00
-720	3	4	1458140.8469	336.780	166.004	0.25	9.45	10.35	11.25
-717	7	27	1459380.7981	115.160	9.803	0.16	7.36	7.98	8.59
-717	12	22	1459528.9964	263.916	166.455	0.23	14.24	15.28	16.31
-716	12	10	1459882.9982	252.462	173.640	0.46	13.92	15.22	16.52
-713	10	10	1460916.9843	189.582	165.323	0.19	13.85	14.58	15.32
-710	3	14	1461802.8681	346.163	9.350	0.86	9.84	11.09	12.35
-708	7	17	1462658.7768	106.289	174.512	0.69	6.61	7.67	8.72
-705	5	17	1463693.0358	47.593	170.757	0.17	16.56	17.23	17.89
-704	5	5	1464047.0856	36.933	178.774	0.43	17.29	18.21	18.86*
-703	10	19	1464578.9339	199.211	9.096	0.84	11.08	12.61	14.14
-701	3	5	1465080.8611	337.175	173.847	0.53	9.69	10.86	12.03
-699	8	6	1465966.1232	125.801	9.176	0.90	17.37	18.27	19.16
-694	10	10	1467856.8029	189.783	173.205	0.37	7.34	8.32	9.29

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-690	7	28	1469244.1004	116.876	173.822	0.55	16.91	17.72	18.52
-689	7	18	1469598.8112	106.704	182.350	0.14	8.08	8.68	9.28
-688	1	11	1469775.8868	284.292	9.554	0.94	9.54	11.34	13.14
-686	11	10	1470809.7765	221.312	1.105	0.20	6.95	7.58	8.21
-682	8	28	1472196.9376	147.063	0.235	0.16	11.85	12.69	13.54
-678	6	17	1473585.7366	77.246	4.231	0.53	5.91	6.91	7.91
-663	8	28	1479136.7883	147.298	8.132	0.37	6.79	7.66	8.53
-661	1	12	1479639.0209	285.872	173.354	0.80	14.80	16.09	16.69*
-660	6	27	1480171.0122	87.676	3.346	0.92	14.64	15.99	17.34
-659	11	11	1480673.0771	223.075	165.113	0.27	16.55	17.13*	
-656	4	15	1481558.8429	17.946	7.244	1.00	9.23	10.44	11.66
-654	8	19	1482414.7603	138.252	172.626	0.23	6.38	7.04	7.71
-650	6	7	1483802.8816	68.093	175.994	0.84	9.74	11.54	13.35
-649	11	21	1484335.0033	232.767	9.002	0.92	13.86	15.25	16.64
-647	4	6	1484836.8487	9.126	171.949	0.96	9.31	10.60	11.89
-645	9	8	1485722.1320	158.155	7.740	0.69	17.48	18.33	18.54*
-640	11	11	1487612.8499	223.228	172.964	0.80	8.36	9.75	11.13
-636	8	29	1489000.1007	149.045	172.151	0.62	16.67	17.52	18.37
-635	8	19	1489354.7967	138.673	180.458	0.56	6.97	7.99	9.01
-634	2	12	1489531.8583	317.204	8.717	0.91	8.96	10.61	12.26
-633	6	29	1490034.1207	89.192	167.142	0.11	18.52	18.98	19.44
-632	6	17	1490388.1506	78.487	175.092	0.56	18.60	19.46*	
-626	9	8	1492662.1598	158.571	15.561	0.05	18.45	18.53*	
-623	7	8	1493695.6119	97.865	9.629	0.04		4.52*	4.53
-610	4	17	1498362.1285	20.011	179.055	0.17	18.30	18.50*	
-609	9	30	1498892.8332	180.099	7.164	0.70	7.98	9.15	10.32
-607	2	13	1499395.0057	318.785	172.527	0.76	14.46	15.73	16.99
-606	7	30	1499926.8595	119.206	0.994	0.58	8.59	10.14	11.69
-605	7	19	1500280.8860	108.367	8.812	0.04	10.42	10.92	11.41
-602	5	18	1501214.7888	49.327	4.717	0.57	7.80	8.78	9.75
-600	9	20	1502170.7980	170.855	171.434	0.06	7.90	8.28	8.67
-597	2	23	1503056.8073	328.056	15.986	0.09	8.21	8.74	9.27
-596	7	9	1503558.6970	99.363	173.375	0.72	4.52*	5.48	6.51
-595	6	28	1503912.8925	88.783	181.650	0.23	10.50	11.55	12.60
-595	12	23	1504091.0692	266.374	8.948	0.35	16.18	16.62*	
-593	5	9	1504592.7964	40.605	169.521	0.44	7.92	8.87	9.82
-587	7	29	1506866.1682	118.918	8.077	0.83	18.46	19.28*	
-586	12	14	1507368.9027	256.842	172.893	0.63	10.02	11.61	13.20
-584	5	28	1507900.0985	59.756	3.817	0.97	17.44	18.35	19.25
-583	5	18	1508254.7739	49.703	12.575	0.26	7.22	7.94	8.66
-582	10	1	1508756.1529	181.872	171.173	0.03	18.01	18.01*	
-581	9	21	1509110.8264	171.277	179.247	0.66	7.72	8.82	9.92
-580	3	16	1509287.7795	349.477	7.169	0.59	7.10	8.33	9.56
-578	7	20	1510143.9748	109.873	172.571	0.57	13.38	14.72	16.05
-575	5	19	1511178.1057	51.043	168.651	0.15	18.28	18.72	19.12*
-574	5	9	1511532.7329	40.934	177.407	0.12	6.61	7.10	7.60
-570	2	24	1512920.0721	329.741	179.937	0.22	16.81	17.39*	
-568	1	5	1513599.9036	279.073	164.989	0.23	11.09	12.08	13.08
-563	4	7	1515518.9810	10.851	358.514	0.33	14.51	15.58	16.65
-562	3	27	1515873.0778	0.091	6.513	0.23	17.12	17.82	18.05*
-558	1	14	1517261.7625	288.618	8.726	0.89		7.29*	8.45
-556	5	19	1518118.0316	51.353	176.551	0.84	15.60	16.71	17.83
-555	11	1	1518648.9262	213.469	6.820	0.62	11.12	12.41	13.70
-553	3	18	1519150.9448	351.054	171.022	0.45	12.67	13.93	15.19
-552	8	31	1519682.7486	151.287	359.246	0.19	5.87	6.60	7.32
-551	8	20	1520036.7487	140.223	6.803	0.56	5.27	6.35	7.42
-548	6	19	1521070.7212	80.624	2.059	0.10	6.31	6.70	7.09
-546	10	23	1521926.8802	204.082	170.870	0.62	9.77	10.93	12.10
-543	3	27	1522812.7728	0.174	14.295	0.32	7.15	7.98	8.81
-541	7	31	1523668.7905	120.359	179.391	0.66	6.63	7.82	9.01
-536	11	1	1525588.9579	213.884	14.636	0.25	12.62	13.52	14.42
-533	8	31	1526622.0508	150.982	6.299	0.74	15.17	16.42	17.67
-531	1	15	1527124.9315	290.232	172.591	0.69	11.50	13.13	14.77
-530	6	30	1527656.0360	91.087	1.227	0.46	15.55	16.43	17.32

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-529	6	20	1528010.6768	80.962	9.955	0.77	4.52*	5.33	6.20
-527	10	23	1528866.9016	204.489	178.709	0.10	10.50	11.08	11.67
-526	4	18	1529043.6602	21.154	4.994	0.16		5.47*	5.96
-523	2	15	1530078.0264	321.401	0.074	0.38	15.56	16.39	17.22*
-520	6	10	1531288.6208	72.176	174.799	0.38		4.58*	5.00
-516	3	28	1532676.0480	1.862	178.229	0.60	16.03	16.98	17.93
-511	6	30	1534595.9791	91.412	9.125	0.07	14.30	14.80	15.30
-508	4	28	1535628.5487	31.613	4.171	0.75	12.71	14.16	15.60
-506	9	1	1536485.1585	152.527	170.102	0.64	18.02	18.66*	
-504	2	16	1537017.7586	321.518	7.893	0.64	6.78*	7.39	8.58
-502	6	21	1537873.9160	82.599	173.943	0.53	11.43	12.80	14.17
-501	12	4	1538405.0438	247.130	6.789	0.69	15.54	16.55	16.75*
-499	4	19	1538906.8446	22.739	168.892	0.22	9.45	10.38	11.31
-492	11	24	1541682.9960	237.695	170.756	0.75	13.73	14.94	16.15
-489	4	29	1542568.7010	31.764	11.995	0.72	5.38	6.28	7.18

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2012	3	8	986241.8157	331.209	10.022	0.91	7.76	9.08	10.41
-2010	7	12	987097.8128	91.268	174.981	0.49	7.59	8.79	9.99
-2005	10	14	989017.9856	184.609	9.998	0.69	13.34	14.58	15.83
-2003	2	27	989519.7743	322.237	174.563	0.47	6.65	7.63	8.60
-2002	8	12	990051.0378	121.769	1.735	0.42	15.49	16.55	17.60
-2001	12	28	990553.9299	261.039	168.062	0.49	11.42	13.05	14.67
-2000	12	16	990907.9485	249.661	175.344	0.31	11.93	13.38	14.82
-1999	6	11	991085.0874	62.099	356.914	0.06	17.95	18.25	18.55
-1998	6	1	991439.7163	51.984	5.673	0.60	5.71	6.60	7.50
-1996	10	4	992295.9204	175.220	174.102	0.95	11.12	12.50	13.88
-1992	7	22	993683.1214	101.886	174.310	0.67	17.85	18.70	19.08*
-1989	5	23	994717.6553	43.208	170.514	0.71		5.27*	6.01
-1988	5	11	995071.9362	32.789	179.013	0.74	12.30	13.98	15.67
-1988	11	4	995248.6995	206.635	2.149	0.15		6.39*	6.50
-1985	3	10	996105.0969	332.900	173.934	0.22	17.38	17.60*	
-1980	7	8	998052.0174	62.405	4.830	0.43	15.55	16.53	17.52
-1977	5	7	999084.9767	2.660	359.933	0.75	14.02	15.32	16.62
-1977	11	1	999262.7463	175.414	181.997	0.59	5.88*	6.45	7.46
-1973	2	24	1000473.7708	292.421	3.490	0.18	6.91*	7.24	7.98
-1972	2	13	1000827.8416	281.276	11.067	0.57	7.80	9.43	11.05
-1970	12	12	1001861.0773	217.873	2.181	0.00	17.43	17.44*	
-1961	7	9	1004991.6376	62.432	12.503	0.12		5.03*	5.18
-1961	12	3	1005139.0296	208.428	166.155	0.45	15.18	16.13	17.08
-1958	5	7	1006024.7523	2.833	7.775	0.71	6.48	7.51	8.54
-1956	9	9	1006880.7640	123.325	173.227	0.11	6.50	7.04	7.58
-1955	2	7	1007032.0924	303.266	3.102	0.17	17.05	17.20*	
-1951	11	15	1008774.1034	218.274	10.016	0.29	17.15	17.43*	
-1949	4	1	1009275.7386	354.019	172.538	0.80	6.05*	7.01	8.02
-1948	9	13	1009806.9828	154.409	0.625	0.16	13.62	14.50	15.38
-1946	1	29	1010309.9135	293.987	167.298	0.27	11.19	12.52	13.84
-1945	1	18	1010663.9237	282.788	174.739	0.45	11.12	12.82	14.52
-1942	11	6	1012052.0307	208.806	174.020	0.37	15.07	16.01	16.96
-1939	4	10	1012937.7610	3.218	15.649	0.09	7.11	7.54	7.97
-1938	8	24	1013439.0985	134.155	172.825	0.73	16.93	17.85	18.77*
-1937	8	14	1013793.6868	123.629	181.147	0.37	5.10*	5.22	5.90
-1934	6	13	1014827.7516	63.944	176.306	0.78	6.00	7.21	8.42
-1934	12	7	1015004.8263	240.329	2.180	0.18	8.26	8.95	9.64
-1931	4	11	1015661.0500	4.514	171.724	0.10	16.85	17.28	17.71
-1926	7	14	1017780.9277	93.920	2.529	0.82	11.55	13.17	14.80
-1923	11	6	1018991.8048	208.954	181.887	0.33	6.99	7.91	8.84
-1918	2	18	1020556.7629	313.793	9.798	0.80	6.68*	7.14	8.48
-1916	6	23	1021413.0276	74.376	175.464	0.86	15.69	16.93	18.16
-1915	12	7	1021944.8459	240.726	10.027	0.65	8.39	9.67	10.94
-1912	4	11	1022801.0859	4.924	179.567	0.65	17.20	18.05	18.13*
-1911	9	24	1023331.8855	165.394	8.007	0.32	9.81	11.00	12.19
-1906	11	28	1025222.7688	231.270	174.038	0.53	6.74*	7.42	8.36
-1904	5	12	1025753.6752	34.113	5.187	0.27	5.40*	5.75	6.34
-1901	3	12	1026788.0021	335.364	1.365	0.87	14.66	15.93	17.21
-1895	5	3	1029031.6762	25.384	170.051	0.82	5.54*	5.67	6.53
-1891	2	19	1030419.8433	315.286	173.456	0.70	8.07	9.81	11.55
-1889	7	25	1031305.7767	104.474	9.432	0.07	6.64	7.08	7.53
-1886	5	23	1032338.9844	44.514	4.311	0.43	14.38	15.40	16.42
-1885	5	13	1032693.7030	34.515	13.046	0.48	5.47	6.22	6.96
-1884	9	25	1033195.1382	167.102	172.064	0.44	17.82	18.26*	
-1883	9	15	1033549.7391	156.389	180.140	0.90	5.57*	6.41	7.39
-1876	5	3	1035971.7118	25.808	177.859	0.01	6.39	6.49	6.59
-1872	8	15	1037536.8678	125.992	0.793	0.79	8.84	10.47	12.10
-1871	8	4	1037891.0692	115.146	8.806	0.42	16.60	17.54	18.47
-1871	12	30	1038038.8945	264.428	165.986	0.30	10.67	11.92	12.78
-1862	7	26	1041168.8737	105.992	173.227	0.05	10.58	11.19	11.80
-1861	7	15	1041522.8902	95.101	180.984	0.60	9.73	11.52	13.31
-1860	1	9	1041700.9366	274.117	9.751	0.86	11.68	13.16	14.65
-1858	5	14	1042557.0242	36.217	176.992	0.98	15.60	16.67	17.74
-1857	10	27	1043087.9583	198.847	7.827	0.98	12.13	13.67	15.22

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1852	12	30	1044978.8591	264.771	173.880	0.68	8.62	10.00	11.38
-1848	10	17	1046365.8611	189.376	171.901	0.29	9.45	10.42	11.38
-1846	4	2	1046897.9001	356.139	6.991	0.58	10.59	12.16	13.73
-1844	8	5	1047754.1660	116.662	172.618	0.32	18.68	18.97*	
-1837	3	24	1050175.7058	347.132	171.458	0.79		6.17*	7.12
-1835	8	26	1051061.6789	136.697	7.843	0.11		5.27*	5.40
-1832	6	24	1052094.9183	75.854	1.758	0.95	11.49	12.95	14.42
-1831	6	14	1052449.6399	65.796	10.410	0.60		5.00*	5.48
-1829	10	18	1053305.8371	189.746	179.761	0.64	8.07	9.17	10.28
-1825	2	10	1054516.9887	306.566	0.936	0.39	14.47	15.35	16.22
-1822	6	5	1055727.6420	57.059	175.225	0.41		5.09*	5.53
-1818	9	17	1057292.8611	158.712	359.830	0.47	8.59	9.98	11.37
-1817	9	6	1057646.9937	147.583	7.491	0.64	13.67	15.10	16.54
-1807	8	16	1061278.7796	127.118	179.167	0.94	5.98	7.33	8.67
-1806	2	10	1061456.9743	306.930	8.826	0.47	13.40	14.48	15.57
-1804	6	15	1062212.9554	67.502	174.395	0.48	13.44	14.56	15.68
-1803	11	28	1062844.0527	232.528	7.872	0.99	15.78	16.92	17.24*
-1797	2	1	1064734.9003	297.763	173.164	0.66	10.38	11.95	13.51
-1794	11	19	1066121.9623	223.043	171.872	0.81	12.43	13.85	15.28
-1792	5	4	1066653.7090	27.373	4.322	0.26	5.69	6.45	7.21
-1790	9	7	1067510.0819	149.117	171.271	0.92	16.41	17.54	18.55*
-1785	6	16	1069252.8337	67.760	182.308	0.16	9.05	9.85	10.66
-1782	4	14	1070285.7674	7.977	177.327	0.15	7.19	7.84	8.49
-1778	7	27	1071850.8898	107.597	359.653	0.67	10.19	11.58	12.98
-1775	5	26	1072884.9396	48.403	355.354	0.06	13.83	14.42	15.01
-1774	5	15	1073238.9731	37.750	3.368	0.52	13.81	15.21	16.61
-1771	3	14	1074272.9954	338.724	359.265	0.52	14.68	15.63	16.59
-1767	12	20	1076014.7787	254.909	7.814	0.84	6.96*	7.55	8.68
-1764	4	24	1076871.0577	18.414	176.467	0.84	16.58	17.63	18.35*
-1764	10	19	1077048.8929	192.020	359.482	0.02	10.62	10.95	11.28
-1763	10	8	1077402.9680	180.665	6.852	0.92	12.30	14.05	15.80
-1759	7	27	1078790.9271	108.010	7.492	0.13	12.24	12.94	13.64
-1753	9	18	1081034.7375	159.807	178.100	0.74	5.62*	6.18	7.30
-1752	3	14	1081212.9526	339.060	7.174	0.48	12.78	13.93	15.07
-1750	7	18	1082068.9062	99.091	172.141	0.03	12.26	12.61	12.96
-1743	3	5	1084490.8806	330.078	171.737	0.90	9.83	11.46	13.08
-1740	12	21	1085878.0669	256.645	171.808	0.71	16.29	17.03*	
-1737	5	26	1086763.7217	48.010	9.889	0.71	5.56	6.54	7.52
-1736	10	9	1087266.0490	182.217	170.579	0.87	15.38	16.69	18.00
-1731	7	18	1089008.7332	99.296	180.039	0.45	5.51	6.42	7.34
-1728	5	16	1090041.6461	39.210	174.744	0.35		5.32*	5.70
-1724	8	28	1091606.9114	139.957	358.218	0.19	11.18	12.02	12.87
-1720	6	16	1092994.7827	68.908	0.620	0.25	7.45	8.35	9.25
-1717	4	16	1094028.9562	10.314	356.984	0.23	13.91	14.69	15.48
-1716	9	28	1094559.7169	170.880	185.611	0.02		5.80*	5.94
-1713	7	29	1095594.0371	109.930	179.384	0.13	15.75	16.33	16.91
-1712	1	22	1095770.8440	288.100	7.323	0.62	8.43	9.78	11.13
-1710	5	27	1096626.9377	49.614	173.846	0.33	12.87	14.01	15.16
-1709	11	10	1097158.9733	214.182	6.647	0.73	12.62	14.37	16.12
-1705	8	29	1098546.9396	140.363	6.060	0.68	11.81	13.16	14.51
-1703	1	12	1099048.7910	278.823	171.549	0.82	6.99*	8.01	9.14
-1702	6	27	1099580.0607	79.349	359.793	0.43	16.69	17.66	18.62
-1699	10	20	1100790.7544	193.094	177.691	0.70	6.17*	6.77	7.87
-1698	4	16	1100968.8752	10.614	4.904	0.97	10.07	11.52	12.98
-1693	1	22	1102710.8430	288.475	15.188	0.20	8.83	9.64	10.45
-1691	5	27	1103566.8476	49.904	181.759	0.13	9.86	10.54	11.22
-1689	4	7	1104246.7995	1.768	169.642	0.54	7.56	8.77	9.98
-1688	3	26	1104601.0345	351.196	177.949	0.86	15.70	16.92	17.90*
-1682	11	11	1107022.0581	215.727	170.378	0.84	15.80	17.11	17.47*
-1677	2	23	1108587.0472	320.471	358.240	0.40	16.28	17.14	17.42*
-1677	8	20	1108764.6681	131.392	178.357	0.37		5.20*	5.55
-1668	9	8	1112072.1242	151.519	13.621	0.11	17.97	18.41	18.51*
-1665	7	8	1113104.9054	89.809	6.591	0.16	11.20	12.10	13.01
-1661	4	27	1114493.7570	21.035	11.683	0.43	6.37	7.37	8.37

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1659	8	30	1115349.9897	142.238	177.951	0.35	13.51	14.58	15.66
-1658	2	23	1115526.8668	320.661	6.149	0.61	9.71	11.02	12.34
-1655	12	12	1116914.9898	247.745	6.551	0.77	13.68	15.27	16.85
-1654	12	1	1117268.9970	236.288	13.733	0.09	14.37	15.06	15.75
-1651	9	30	1118302.9977	173.378	5.346	0.65	13.77	14.97	16.17
-1649	2	14	1118804.8342	311.601	170.565	0.98	8.22	9.58	10.95
-1648	7	29	1119235.9229	111.015	357.601	0.26	11.54	12.82	14.09
-1645	11	22	1120546.8034	226.702	177.623	0.83	6.83	8.07	9.31
-1644	5	18	1120724.7591	41.852	2.277	0.15	7.31	7.92	8.52
-1642	9	21	1121580.9273	164.051	169.550	0.17	12.22	13.01	13.79
-1639	2	23	1122466.8817	321.067	13.974	0.17	10.30	11.06	11.82
-1638	7	9	1122968.1484	91.464	170.599	0.49	18.68	19.11*	
-1637	6	29	1123322.7881	81.274	179.246	0.63	7.19	8.25	9.32
-1635	5	9	1124002.6715	33.054	167.094	0.18	5.42*	5.50	6.05
-1634	4	28	1124356.8589	22.534	175.411	0.96	9.11	10.90	12.68
-1634	10	22	1124533.7217	195.304	357.339	0.12		6.21*	6.61
-1628	12	13	1126773.0759	249.283	170.257	0.33	16.60	17.08*	
-1626	5	29	1127310.0517	52.243	1.398	0.99	16.42	17.53	18.64
-1623	3	27	1128342.9742	352.336	356.329	0.08	14.86	15.37	15.88
-1622	9	10	1128874.7239	152.953	184.908	0.04	5.51*	5.76	6.06
-1619	7	9	1129908.1104	91.807	178.501	0.10	17.99	18.36	18.73
-1616	5	8	1130942.1287	32.914	174.508	0.04	18.58	18.58*	
-1615	10	22	1131473.7240	195.683	5.195	0.60		6.21*	7.00
-1611	8	9	1132660.8487	121.724	4.702	0.57	8.32	9.68	11.03
-1605	10	2	1135105.9824	175.209	177.165	0.27	13.09	14.14	15.20
-1604	3	27	1135282.8377	352.593	4.210	0.42	9.25	10.31	11.37
-1600	1	14	1136670.9750	280.991	6.078	0.91	13.30	14.87	16.44
-1597	11	2	1138059.0930	206.887	5.198	0.41	17.06	17.61*	
-1595	3	18	1138560.8313	343.717	168.874	0.57	8.56	9.75	10.95
-1591	1	4	1139548.7381	271.498	169.984	0.04		7.00*	7.13
-1591	12	24	1140302.8545	260.239	177.503	0.23	8.53	9.50	10.47
-1589	6	9	1140834.8419	62.559	8.011	0.28	8.53	9.61	10.69
-1588	10	23	1141337.0018	197.423	169.239	0.76	13.99	15.26	16.54
-1585	3	28	1142222.8709	353.003	12.051	0.22	10.07	10.87	11.67
-1584	8	10	1142724.1125	123.414	168.750	0.61	17.55	18.36	18.90*
-1583	7	31	1143078.7650	113.061	177.176	0.86	6.18	7.24	8.30
-1580	5	30	1144112.6604	53.660	172.649	0.91		5.13*	6.08
-1576	3	18	1145500.8653	344.141	176.679	0.32	10.00	11.04	12.07
-1574	8	20	1146386.1159	132.834	12.121	0.34	17.61	18.26	18.78*
-1573	1	15	1146534.0602	282.526	169.743	0.19	16.51	17.03*	
-1572	6	30	1147065.9273	83.555	358.868	0.60	11.79	13.36	14.92
-1571	6	19	1147420.1153	72.968	7.125	0.43	18.24	19.05*	
-1565	8	11	1149664.1027	123.786	176.637	0.15	17.39	17.85	18.31
-1561	5	30	1151051.9717	53.382	179.754	0.66	13.66	15.14	16.63
-1561	11	24	1151229.8293	229.349	5.227	0.80	7.76	9.04	10.32
-1557	9	11	1152616.8562	154.297	3.547	0.88	8.43	9.90	11.37
-1551	11	3	1154862.0143	208.660	176.935	0.01	15.26	15.45	15.64
-1546	2	15	1156426.9047	313.658	4.926	0.67	10.88	12.57	14.27
-1541	4	20	1158316.7897	15.289	166.590	0.07	8.14	8.56	8.98
-1536	1	26	1160058.8761	293.352	176.930	0.06	10.14	10.75	11.36
-1535	7	11	1160590.6659	93.919	5.485	0.77		4.90*	5.78
-1534	11	25	1161093.0938	231.075	169.242	0.23	17.02	17.26*	
-1532	5	9	1161624.0936	34.456	0.904	0.96	17.52	18.43	18.60*
-1531	4	29	1161978.8211	24.452	9.616	0.60	8.36	9.44	10.52
-1530	9	12	1162480.1365	156.023	167.603	0.53	17.88	18.44*	
-1529	9	2	1162834.7908	145.467	175.768	0.43	6.99	7.93	8.86
-1524	12	4	1164754.9066	240.665	13.012	0.24	10.61	11.84	13.06
-1522	4	20	1165256.8192	15.707	174.402	0.84	8.27	9.54	10.80
-1518	8	2	1166821.8220	115.293	356.761	0.07	8.53	9.11	9.69
-1517	7	22	1167175.9457	104.481	4.733	0.51	12.25	13.85	15.45
-1511	9	12	1169420.1458	156.415	175.470	0.03	18.39	18.43*	
-1510	9	2	1169774.8013	145.855	183.630	0.32	7.14	8.02	8.91
-1507	7	1	1170807.8023	84.654	177.164	0.91	6.99	8.43	9.88
-1507	12	26	1170985.9226	262.920	5.156	0.36	11.57	12.82	14.07

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1503	10	13	1172372.9214	187.505	3.084	0.47	10.92	12.22	13.52
-1498	12	17	1174263.8146	253.478	169.201	0.23	8.04	8.90	9.75
-1497	12	6	1174618.0538	242.268	175.870	0.14	16.48	17.14*	
-1492	3	19	1176182.7823	345.648	3.075	0.04	7.95	8.36	8.76
-1490	7	23	1177039.0258	105.980	168.481	0.01	16.71	16.86	17.00
-1489	7	12	1177393.0860	95.169	176.372	0.54	17.05	17.98	18.91
-1485	5	1	1178781.9799	26.379	181.473	0.35	14.27	15.33	16.38
-1484	10	13	1179312.9070	187.871	10.958	0.26	10.91	11.87	12.83
-1482	2	27	1179814.8530	325.835	175.680	0.34	9.14	10.35	11.56
-1478	6	11	1181380.0286	65.719	358.265	0.45	15.81	16.70	17.59
-1477	6	1	1181734.7519	55.703	6.970	0.96	6.44	7.44	8.44
-1475	10	4	1182590.8672	178.525	175.067	0.75	9.21	10.46	11.70
-1474	3	30	1182768.0658	356.178	2.327	0.65	16.65	17.72	17.98*
-1469	1	6	1184510.9374	274.071	12.757	0.25	11.76	12.99	14.22
-1468	5	22	1185012.7443	46.980	171.818	0.74	6.25	7.24	8.24
-1463	8	23	1186931.8275	136.557	2.983	0.82	7.13	8.73	10.34
-1461	12	28	1187788.7328	264.567	176.699	0.24		7.00*	7.24
-1459	6	11	1188320.0593	66.140	6.084	0.41	16.78	17.58	18.37
-1456	10	4	1189530.8562	178.893	182.943	0.15	8.86	9.54	10.22
-1453	8	3	1190563.6807	116.364	175.046	0.69		5.03*	5.87
-1452	1	28	1190741.9740	296.044	4.594	0.78	13.53	14.81	16.09
-1450	6	2	1191598.0516	57.392	170.956	0.17	17.07	17.61	18.16
-1449	11	15	1192129.0235	221.119	3.055	0.09	15.66	16.17	16.68
-1445	9	3	1193517.1356	147.396	2.572	0.10	18.30	18.57*	
-1444	8	22	1193871.1555	136.273	10.099	0.37	18.33	18.74*	
-1443	1	18	1194019.8652	286.746	168.801	0.61	9.05	10.60	12.14
-1442	1	7	1194374.0670	275.641	176.548	0.35	16.51	17.00*	
-1440	11	5	1195406.9531	211.658	167.056	0.38	12.70	13.78	14.87
-1437	4	10	1196292.8626	6.572	9.044	0.50	9.43	10.71	11.98
-1435	8	13	1197148.9872	127.070	174.485	0.94	13.63	15.01	16.38
-1431	6	2	1198537.8429	57.573	178.818	0.67	8.70	10.20	11.70
-1430	11	15	1199069.0263	221.505	10.898	0.72	14.88	16.00	17.11
-1428	3	21	1199570.7853	357.691	173.737	0.71	7.10	8.31	9.52
-1423	7	3	1201490.6855	87.088	4.462	0.58	4.89*	5.56	6.34
-1421	11	6	1202346.9789	212.070	174.882	0.32	13.28	14.24	15.20
-1420	5	1	1202523.8909	27.502	359.746	0.45	11.10	12.53	13.97
-1417	3	1	1203558.0741	328.247	355.388	0.06	17.36	17.53*	
-1416	8	13	1204088.6819	127.164	182.249	0.18		5.14*	5.58
-1415	2	7	1204266.9128	306.942	11.884	0.25	10.91	12.12	13.33
-1414	6	24	1204768.6624	78.285	169.255	0.29	4.92*	5.01	5.61
-1413	6	13	1205123.1268	67.990	177.931	0.38	18.39	19.01*	
-1413	12	7	1205299.7610	243.579	3.056	0.57	6.87*	7.09	8.03
-1410	4	11	1206156.0869	8.199	172.952	0.27	17.63	18.18*	
-1409	9	25	1206687.7695	169.295	1.978	0.88	5.78*	6.98	8.27
-1405	7	14	1208076.0035	97.627	3.732	0.89	14.53	15.72	16.91
-1398	3	1	1210497.9630	328.519	3.304	0.89	13.24	14.56	15.88
-1394	12	7	1212239.7754	243.971	10.900	0.28	6.88*	7.59	8.33
-1391	4	11	1213096.0201	8.510	180.855	0.43	15.46	16.35	17.23
-1390	9	24	1213627.1213	169.036	9.115	0.74	17.38	18.23*	
-1389	2	20	1213775.8554	319.407	167.729	0.36	9.12	10.42	11.72
-1388	2	9	1214130.0252	308.478	175.621	0.89	15.19	16.48	17.26*
-1386	12	8	1215163.0701	245.344	167.050	0.30	16.59	17.11*	
-1385	11	28	1215517.7273	234.538	174.878	0.41		6.78*	7.23
-1383	5	12	1216048.7426	37.871	6.456	0.71	6.25	7.27	8.29
-1381	9	15	1216904.9488	159.652	173.276	0.78	12.02	13.51	15.00
-1377	7	5	1218293.7062	88.896	176.308	0.85	4.89*	5.81	6.83
-1374	5	3	1219326.6923	29.088	171.313	0.92	5.48*	5.98	6.92
-1369	8	5	1221246.6473	118.897	2.445	0.07		5.05*	5.10
-1368	7	24	1221601.1212	108.416	10.917	0.23	18.13	18.73	19.04*
-1365	5	23	1222634.0386	48.267	5.578	0.26	16.38	17.13	17.89
-1364	5	12	1222908.6430	38.153	14.370	0.09		5.34*	5.43
-1362	9	15	1223844.7018	159.787	181.124	0.64		5.62*	6.35
-1361	3	12	1224022.8232	339.136	10.271	0.68	7.73	9.22	10.72
-1359	7	15	1224878.9959	99.426	175.539	0.94	14.28	15.60	16.93

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1355	10	27	1226443.7558	202.612	1.547	0.73	6.33*	6.72	7.90
-1354	10	16	1226797.7978	191.213	8.830	0.07	7.42	7.92	8.42
-1351	8	15	1227831.9780	129.630	1.928	0.62	13.30	14.52	15.75
-1350	12	30	1228333.8106	267.684	166.949	0.12	8.29	8.87	9.44
-1348	6	13	1228864.9809	69.046	356.121	0.13	15.01	15.73	16.45
-1344	4	2	1230253.8905	0.340	1.317	0.44	11.14	12.40	13.66
-1339	1	8	1231995.8831	277.440	10.667	0.88	9.67	11.14	12.60
-1337	5	14	1232851.9606	39.854	178.320	0.91	13.33	14.62	15.91
-1335	3	24	1233531.7811	351.394	165.942	0.02	7.90	8.15	8.40
-1334	3	13	1233885.9199	340.639	173.973	0.88	11.32	13.12	14.93
-1331	12	30	1235273.8403	268.106	174.748	0.57	8.22	9.38	10.54
-1329	6	14	1235804.6327	69.096	3.826	0.08		4.98*	5.09
-1327	10	17	1236660.9755	192.850	172.779	0.83	12.77	14.25	15.74
-1314	8	26	1241357.0556	140.572	9.299	0.55	15.84	16.88	17.92
-1311	6	24	1242389.9365	79.543	3.005	0.71	12.11	13.59	15.07
-1308	10	17	1243600.7766	193.031	180.659	0.72	6.39	7.42	8.44
-1307	4	13	1243778.6724	10.723	7.985	0.57		5.77*	6.40
-1305	8	17	1244634.8979	131.375	173.679	0.31	10.75	12.01	13.28
-1304	2	10	1244811.9129	309.959	2.008	0.13	12.26	12.94	13.62
-1304	8	5	1244988.9544	120.417	181.429	0.19	12.37	13.41	14.45
-1301	11	29	1246199.7714	236.189	1.440	0.42	6.80*	7.11	8.15
-1300	11	17	1246553.8457	224.777	8.750	0.56	8.16	9.55	10.95
-1297	9	17	1247587.9939	162.293	0.818	0.04	14.46	14.82	15.18
-1295	1	21	1248089.8834	300.805	166.298	0.33	10.28	11.37	12.46
-1289	4	24	1250363.9466	21.150	7.124	0.08	13.13	13.79	14.46
-1285	2	10	1251751.9479	310.373	9.843	0.49	12.44	13.55	14.66
-1283	6	15	1252607.8984	71.134	175.707	0.62	10.91	12.25	13.60
-1280	4	14	1253641.7571	12.206	171.676	0.81	6.18	7.47	8.76
-1276	2	1	1255029.9149	301.216	174.129	0.53	11.23	12.55	13.86
-1273	11	19	1256417.0414	226.435	172.704	0.65	15.42	16.61	17.32*
-1272	5	15	1256595.0502	42.095	357.911	0.47	16.55	17.52	18.50
-1264	6	15	1259547.9175	71.530	183.563	0.13	12.04	12.78	13.53
-1261	4	14	1260581.0792	11.933	178.798	0.75	17.08	18.14	18.24*
-1261	10	9	1260758.7008	184.403	0.496	0.39		6.03*	6.44
-1260	9	27	1261113.0369	173.386	8.395	0.85	14.99	16.27	17.56
-1257	7	27	1262145.8732	111.183	0.819	0.84	9.32	10.84	12.37
-1251	9	10	1264390.8476	163.974	172.508	0.04	9.54	9.98	10.42
-1250	3	14	1264567.9214	342.227	0.452	0.30	12.46	13.37	14.29
-1250	5	7	1264744.8578	152.756	179.943	0.76	8.04	9.70	11.37
-1247	12	31	1265955.7814	269.646	1.220	0.01	7.12	7.35	7.58
-1246	12	20	1266309.9045	258.361	8.716	0.94	10.07	11.88	13.70
-1237	12	11	1269587.7590	248.854	172.699	0.43	6.92*	7.15	8.06
-1235	5	26	1270119.7476	52.304	4.345	0.54	6.22	7.29	8.37
-1234	5	15	1270473.7883	41.654	12.372	0.06	7.54	7.99	8.43
-1231	3	14	1271507.9573	342.647	8.283	0.29	13.10	13.98	14.85
-1229	7	18	1272363.8552	102.678	173.355	0.14	9.67	10.38	11.08
-1222	3	5	1274785.9337	333.683	172.810	0.87	12.03	13.42	14.81
-1217	6	6	1276705.0147	62.679	3.423	0.62	15.30	16.59	17.87
-1210	7	18	1279303.8517	103.054	181.232	0.61	8.67	10.02	11.37
-1207	5	16	1280336.9090	43.169	176.162	0.74	11.07	12.83	14.59
-1207	11	10	1280514.7817	217.937	0.383	0.34	6.71	7.58	8.45
-1206	10	30	1280869.0579	206.743	8.079	0.96	15.77	17.02	17.61*
-1203	8	28	1281901.8647	143.417	359.273	0.47	9.06	10.30	11.54
-1197	10	21	1284146.8430	197.172	171.977	0.17	8.92	9.80	10.67
-1196	4	15	1284323.8879	13.911	358.253	0.05	12.03	12.42	12.82
-1196	10	9	1284500.8203	185.743	179.160	0.86	7.03	8.46	9.90
-1191	1	21	1286065.9353	291.606	8.261	0.87	11.70	13.27	14.85
-1185	3	16	1288311.0754	344.558	180.092	0.53	16.87	17.79	17.79*
-1184	8	28	1288841.8681	143.814	7.111	0.31	9.40	10.41	11.41
-1182	1	12	1289343.8162	282.252	172.406	0.96	7.35	8.70	10.05
-1180	11	11	1290378.0104	219.640	164.356	0.02	15.50	15.79	16.09
-1177	4	16	1291263.9196	14.321	6.102	0.55	11.70	12.90	14.11
-1174	2	12	1292297.0628	313.513	0.068	0.64	16.47	17.32*	
-1170	5	27	1293861.8603	53.624	183.017	0.01	10.76	10.93	11.09

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1170	11	21	1294039.7476	229.145	8.029	0.32		6.71*	7.50
-1168	4	6	1294541.8998	5.510	170.834	0.34	11.18	12.28	13.39
-1163	7	8	1296460.8226	93.976	0.787	0.63	7.63	9.12	10.62
-1158	4	16	1298203.7746	14.574	13.985	0.13	7.23	7.80	8.38
-1156	8	19	1299059.8179	135.095	179.446	0.98	7.31	8.64	9.97
-1153	6	18	1300092.7452	74.365	173.478	0.65	5.81	6.89	7.97
-1152	12	1	1300625.0903	240.355	7.995	0.22	16.92	17.16*	
-1145	7	19	1303046.1018	104.493	0.023	0.08	17.92	18.33	18.74
-1144	7	7	1303400.1699	93.727	7.969	0.06	19.07	19.10*	
-1143	11	22	1303902.8642	230.722	171.824	0.57	8.84	10.37	11.91
-1142	11	11	1304256.8267	219.198	178.890	0.61	7.28	8.59	9.90
-1137	2	23	1305821.9261	324.249	7.165	0.78	11.60	13.04	14.49
-1135	6	28	1306678.0327	84.807	172.650	0.54	15.95	16.98	18.00
-1131	4	17	1308066.5680	16.160	177.885	0.88	13.51	14.98	16.45
-1130	9	30	1308597.9319	176.731	6.268	1.01	11.30	12.71	14.12
-1128	2	14	1309099.8378	315.105	171.545	0.94	8.21	9.70	11.19
-1123	5	18	1311019.8429	45.646	3.509	0.84	9.06	10.35	11.65
-1121	9	21	1311875.8962	167.466	170.478	0.16	11.11	11.84	12.57
-1120	3	16	1312052.9615	345.661	358.364	0.31	13.96	15.00	16.03
-1118	2	23	1312761.8077	324.508	15.067	0.21	7.88	8.64	9.39
-1116	6	28	1313617.7708	84.935	180.483	0.38	6.76	7.65	8.55
-1116	12	23	1313795.7757	262.690	7.904	0.75	6.99*	7.33	8.61
-1108	7	29	1316570.7540	114.848	6.522	0.55	5.55	6.58	7.61
-1105	5	29	1317605.1494	56.055	2.633	0.06	18.87	18.89*	
-1104	5	18	1317959.6476	45.838	11.393	0.45		5.23*	5.69
-1102	9	21	1318815.8313	167.781	178.380	0.95	7.71	9.04	10.37
-1098	7	9	1320203.0793	95.446	179.693	0.01	17.41	17.55	17.68
-1090	8	9	1323156.0579	125.504	5.919	0.96	15.90	17.04	18.19
-1089	12	25	1323658.8794	264.245	171.642	0.89	9.00	10.89	12.78
-1088	12	13	1324012.8469	252.775	178.762	0.19	8.17	9.07	9.98
-1083	3	27	1325577.8721	356.244	5.356	0.88	9.93	11.37	12.81
-1077	5	20	1327822.8184	47.402	175.281	0.92	7.83	9.32	10.80
-1076	5	8	1328176.9297	36.812	183.446	0.01	13.43	13.67	13.90
-1076	11	1	1328354.0363	210.183	6.015	0.53	15.38	16.37	17.36
-1074	3	18	1328855.8135	347.305	169.973	0.71	7.86	9.15	10.44
-1069	6	20	1330775.7582	76.915	0.899	0.22	6.93	7.59	8.26
-1067	10	23	1331631.9859	200.776	170.052	0.91	13.43	14.70	15.98
-1064	3	27	1332517.7929	356.556	13.238	0.40	7.51	8.42	9.33
-1062	7	31	1333373.7192	116.623	178.336	0.86	5.03*	5.97	6.93
-1061	1	25	1333551.7645	295.855	7.342	0.82	6.88*	7.07	8.38
-1059	5	30	1334408.0982	57.788	174.391	0.81	17.76	18.73	18.91*
-1057	11	2	1335293.9943	210.520	13.897	0.18	14.15	14.95	15.76
-1054	8	21	1336326.6843	147.046	4.937	0.41		5.42*	5.83
-1053	8	20	1336681.0913	136.353	13.187	0.08	17.33	17.71	18.09
-1051	6	20	1337361.0661	87.382	0.091	0.39	16.73	17.53	18.33
-1048	10	23	1338571.8858	201.055	177.957	0.54	9.40	10.69	11.99
-1044	8	10	1339559.0445	127.316	177.733	0.19	15.70	16.32	16.93
-1043	2	4	1340137.0791	306.784	6.991	0.10	17.01	17.24*	
-1040	11	23	1341524.7827	232.641	6.008	0.96	6.76*	7.76	8.84
-1037	3	29	1342381.1138	358.274	177.161	0.29	17.80	18.02*	
-1036	9	10	1342912.0071	157.936	4.559	0.65	14.06	15.36	16.66
-1034	1	26	1343414.8531	297.390	171.012	0.84	8.24	10.09	11.95
-1032	6	30	1344300.7912	87.495	7.909	0.39	6.83	7.83	8.82
-1029	4	29	1345333.7868	27.731	2.993	0.26	7.93	8.73	9.54
-1023	6	21	1347578.6535	78.601	172.615	0.68		4.92*	5.63
-1020	4	19	1348611.7523	18.940	167.786	0.30	6.70	7.47	8.24
-1014	7	11	1350886.0798	97.986	7.116	0.58	16.96	17.92	18.89
-1013	11	25	1351338.1020	234.417	170.017	0.02	17.25	17.22*	
-1011	5	9	1351919.0883	38.160	2.131	0.89	17.39	18.35	18.66*
-1010	4	29	1352273.7479	28.077	10.883	0.73	6.39	7.33	8.28
-1008	9	1	1353129.7200	148.910	176.806	0.65	5.45*	5.92	6.82
-1007	2	26	1353307.6922	328.403	6.079	0.05		6.46*	6.47
-1004	6	20	1354517.9931	78.354	179.776	0.50	14.28	15.58	16.88
-1001	4	20	1355551.7549	19.326	175.640	0.43	6.74	7.58	8.43

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-999	9	21	1356437.1176	169.053	12.134	0.47	17.42	18.21	18.23*
-990	9	12	1359715.0645	159.825	176.441	0.08	16.33	16.72	17.12
-989	3	9	1359892.9852	339.106	5.478	0.45	13.95	15.18	16.40
-989	9	2	1360069.7420	149.327	184.629	0.15	5.94	6.46	6.97
-986	12	26	1361280.9006	266.260	5.964	0.43	10.68	11.92	13.17
-983	4	30	1362137.0715	29.789	174.816	0.69	17.01	17.89	18.53*
-982	10	13	1362668.0257	191.002	3.956	0.29	15.09	16.03	16.97
-980	2	28	1363170.7748	329.904	169.750	0.59	6.44*	7.72	9.04
-979	2	16	1363524.8049	318.861	177.370	0.07	7.74	8.32	8.89
-978	8	2	1364056.6662	119.135	5.699	0.48		5.06*	5.51
-977	12	17	1364558.8421	256.853	169.986	0.61	8.52	9.74	10.97
-967	12	26	1368220.8046	266.557	13.843	0.07	7.86	8.36	8.87
-964	4	30	1369077.0757	30.182	182.658	0.07	17.47	17.84	18.21
-961	2	27	1370110.1108	329.643	176.871	0.01	17.60	17.56*	
-960	8	12	1370641.9645	129.810	5.083	0.75	12.65	14.22	15.78
-957	6	11	1371674.9962	69.406	359.499	0.70	14.56	15.75	16.94
-956	5	21	1372029.6846	59.359	8.243	0.93	5.07*	5.74	6.58
-954	10	4	1372685.7781	181.853	175.989	0.51	6.69	7.63	8.57
-950	7	23	1374273.8173	109.803	177.330	0.71	7.06	8.60	10.14
-947	5	22	1375307.6959	50.654	173.072	0.94	5.17*	6.04	6.93
-946	11	4	1375838.7290	213.324	3.834	0.71		6.49*	7.26
-940	12	27	1378084.0276	268.232	177.800	0.10	15.91	16.46	17.00*
-938	6	11	1378614.9949	69.795	7.348	0.05	15.28	15.63	15.97
-935	4	10	1379648.8326	10.796	3.281	0.47	8.81	10.19	11.57
-935	10	4	1379825.8064	182.276	183.800	0.19	7.49	8.15	8.81
-934	3	30	1380002.8724	0.016	11.183	0.13	9.91	10.73	11.55
-933	8	14	1380505.0862	131.359	168.926	0.48	16.93	17.85	18.77
-932	8	2	1380859.1002	120.402	176.617	0.27	17.25	17.98	18.72
-931	1	27	1381036.9801	299.504	5.452	0.96	13.67	14.88	16.08
-929	6	2	1381893.0055	61.081	172.176	0.25	15.49	16.21	16.93
-928	11	14	1382424.0870	224.528	3.835	0.18	17.13	17.35*	
-925	3	21	1383280.7136	350.975	175.690	0.36	6.10*	6.13	6.99
-922	1	18	1384314.9294	290.227	169.665	0.79	11.56	13.05	14.55
-919	11	5	1385701.9592	215.018	167.832	0.48	12.75	14.03	15.31
-917	4	21	1386234.1060	21.250	2.439	0.47	17.86	18.40*	
-912	1	28	1387976.8499	299.756	13.357	0.36	8.64	9.86	11.08
-910	6	2	1388832.9867	61.442	180.059	0.58	14.21	15.38	16.54
-909	11	15	1389363.9354	224.767	11.705	0.56	11.60	12.96	14.31
-907	3	31	1389866.0048	1.551	174.974	0.61	14.88	16.10	17.32
-906	9	14	1390397.8984	162.253	3.754	0.96	9.56	11.40	13.23
-903	7	13	1391430.9243	100.853	357.051	0.24	11.98	12.96	13.93
-902	7	3	1391785.6246	90.731	5.667	0.01		4.90*	4.88
-900	11	5	1392641.8767	215.328	175.713	0.76	9.34	10.61	11.88
-896	8	24	1394029.6928	141.796	175.468	0.42		5.34*	5.96
-895	8	13	1394383.8317	130.895	183.369	0.31	7.80	8.90	10.00
-893	6	24	1395063.6338	81.962	170.478	0.25		4.91*	5.11
-892	12	6	1395594.8037	246.963	3.836	0.52	7.06	8.19	9.32
-885	1	29	1397840.0534	301.395	177.268	0.63	16.10	17.15	17.18*
-884	7	13	1398270.9457	101.255	4.905	0.55	12.45	13.68	14.91
-880	5	1	1399758.7160	31.427	8.711	0.97	5.44*	6.44	7.52
-879	9	15	1400261.0079	163.808	167.566	0.22	14.90	15.77	16.63
-878	9	4	1400614.9966	152.612	174.990	0.70	13.58	14.98	16.38
-877	3	1	1400793.0107	332.120	4.289	0.71	14.77	15.82	16.88
-870	4	11	1403391.0055	12.164	182.019	0.23	15.21	15.97	16.74
-868	2	20	1404070.9665	323.031	168.733	0.16	13.71	14.44	15.17
-865	12	8	1405458.0496	248.669	167.823	0.43	15.96	16.91	17.08*
-863	5	23	1405589.9061	52.439	359.696	0.65	11.10	12.86	14.62
-858	3	1	1407732.8356	332.330	12.181	0.44	8.30	9.55	10.79
-856	7	4	1408588.8945	92.782	177.550	0.84	10.26	11.86	13.46
-855	12	17	1409120.0495	258.432	11.698	0.24	15.98	16.67	17.02*
-853	5	3	1409621.8672	32.973	172.556	0.41	9.70	11.05	12.41
-852	10	16	1410153.8806	195.324	3.103	0.63	8.92	10.59	12.26
-846	12	8	1412397.9970	249.008	175.690	0.13	14.60	15.23	15.87
-841	9	15	1414139.7998	163.366	182.077	0.55	6.73	7.87	9.02

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-837	1	8	1415350.8710	280.442	3.655	0.08	10.25	10.91	11.58
-831	3	2	1417596.0176	333.928	176.052	0.94	15.03	16.28	17.54
-830	8	15	1418126.9312	133.184	2.978	0.96	11.43	12.85	14.26
-829	12	30	1418628.7721	271.033	167.732	0.03	7.39	7.70	8.00
-825	10	18	1420016.9803	196.879	166.876	0.20	13.95	14.92	15.89
-824	10	6	1420370.9561	185.480	174.085	0.81	11.89	13.54	15.18
-823	4	2	1420548.9865	4.081	2.435	0.84	14.14	15.33	16.53
-819	7	15	1422113.8346	103.326	184.499	0.04	8.82	9.25	9.69
-818	1	8	1422290.7836	280.738	11.543	0.59	6.98*	7.79	8.84
-816	5	13	1423146.9220	43.542	179.537	0.68	11.80	13.22	14.64
-810	12	30	1425568.7393	271.384	175.600	0.51		7.00*	7.48
-808	6	13	1426099.8315	73.011	5.116	0.74	8.01	9.41	10.82
-804	4	2	1427488.7551	4.249	10.273	0.80	6.21	7.37	8.54
-802	8	6	1428344.8219	124.508	175.442	0.38	7.76	8.88	9.99
-799	6	4	1429377.7218	64.182	169.905	0.28	5.68	6.40	7.12
-798	11	18	1429909.8935	228.817	2.896	0.23	9.89	11.14	12.39
-797	11	7	1430263.8563	217.302	9.958	0.30	8.69	9.93	11.18
-790	6	24	1432685.1171	83.433	4.261	0.92	17.93	18.89	19.10*
-787	10	17	1433895.8284	196.483	181.471	0.38	7.68	8.70	9.71
-784	8	16	1434930.1405	135.205	174.885	0.33	18.08	18.75	18.75*
-783	2	9	1435106.9031	313.442	2.925	0.28	11.56	12.60	13.64
-777	4	4	1437351.9146	5.811	174.118	0.70	11.29	12.96	14.63
-776	3	23	1437705.9886	355.019	182.039	0.12	14.95	15.65	16.35
-776	9	16	1437882.9621	165.753	1.743	0.27	12.82	13.74	14.65
-774	1	31	1438384.8305	304.215	167.201	0.40	8.37	9.50	10.64
-771	11	19	1439772.9857	230.369	166.629	0.26	13.97	15.12	16.28
-770	11	8	1440126.9648	218.871	173.743	0.60	12.31	13.92	15.54
-769	5	5	1440304.9103	35.556	0.015	0.64	11.62	12.98	14.34
-765	8	17	1441869.7144	135.168	182.502	0.29	5.25*	5.60	6.39
-764	2	10	1442046.8514	313.769	10.817	0.83	8.81	10.16	11.52
-762	6	15	1442902.8392	74.807	176.933	0.91	8.52	9.89	11.27
-757	9	17	1444822.8916	166.062	9.637	0.10	10.62	11.31	12.00
-755	1	31	1445324.8238	304.589	175.060	0.34	8.08	9.04	10.00
-754	7	16	1445855.6989	104.405	2.657	0.51	4.94*	5.58	6.44
-748	9	7	1448100.7897	156.826	173.980	0.10	7.29	7.85	8.41
-744	6	25	1449488.1469	85.265	176.079	0.39	18.64	19.10*	
-744	12	20	1449665.9099	262.377	2.760	0.04	11.88	12.50	13.11
-743	12	9	1450019.8769	250.884	9.853	0.69	8.89	10.71	12.53
-736	7	26	1452441.0000	114.963	1.949	0.68	14.16	15.44	16.73
-732	5	15	1453829.9042	46.063	6.938	0.21	11.04	12.09	13.14
-730	9	18	1454686.1237	167.740	173.655	0.45	17.55	18.25*	
-729	3	14	1454862.8918	345.796	1.491	0.31	11.34	12.37	13.39
-723	5	6	1457107.7605	37.196	171.645	0.64	6.37	7.54	8.71
-722	4	25	1457461.8161	26.519	179.653	0.11	8.67	9.41	10.15
-720	3	4	1458140.8469	336.780	166.004	0.09	9.61	10.21	10.81
-717	12	22	1459528.9964	263.916	166.455	0.09	14.80	15.48	16.17
-716	12	10	1459882.9982	252.462	173.640	0.59	14.08	15.50	16.92
-713	10	10	1460916.9843	189.582	165.323	0.10	14.35	14.90	15.45
-710	3	14	1461802.8681	346.163	9.350	0.72	9.67	10.93	12.19
-708	7	17	1462658.7768	106.289	174.512	0.44	6.65	7.58	8.50
-704	5	5	1464047.0856	36.933	178.774	0.63	17.36	18.38	18.64*
-703	10	19	1464578.9339	199.211	9.096	0.69	11.30	12.85	14.40
-701	3	5	1465080.8611	337.175	173.847	0.69	9.44	10.77	12.10
-699	8	5	1465966.1232	125.801	9.178	0.75	17.64	18.49	18.87*
-694	10	10	1467856.8029	189.783	173.205	0.14	7.76	8.43	9.10
-690	7	28	1469244.1004	116.876	173.822	0.67	17.13	17.96	18.79
-689	1	22	1469421.8966	295.627	2.269	0.07	11.75	12.48	13.22
-689	7	18	1469598.8112	106.704	182.350	0.41	7.66	8.64	9.62
-688	1	11	1469775.8868	284.292	9.554	0.82	9.38	11.29	13.20
-686	11	10	1470809.7765	221.312	1.105	0.42	6.68	7.55	8.42
-682	8	28	1472196.9376	147.063	0.235	0.35	11.68	12.92	14.16
-678	6	17	1473585.7366	77.246	4.231	0.67	5.67	6.72	7.77
-663	8	28	1479136.7883	147.298	8.132	0.12	7.07	7.60	8.14
-661	1	12	1479639.0209	285.872	173.354	0.94	14.96	16.27	17.05*

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-660	6	27	1480171.0122	87.676	3.346	0.83	14.90	16.23	17.57
-659	11	11	1480673.0771	223.075	165.113	0.13	17.00	17.37*	
-656	4	15	1481558.8429	17.946	7.244	0.91	9.01	10.24	11.47
-650	6	7	1483802.8816	68.093	175.994	0.61	9.69	11.51	13.32
-649	11	21	1484235.0033	232.767	9.002	0.89	14.09	15.49	16.88
-647	4	6	1484836.8487	9.126	171.949	0.77	9.15	10.45	11.75
-645	9	8	1485722.1320	158.155	7.740	0.77	17.70	18.40*	
-640	11	11	1487612.8499	223.228	172.964	0.64	8.49	9.87	11.25
-636	8	29	1489000.1007	149.045	172.151	0.72	16.92	17.78	18.55*
-635	8	19	1489354.7967	138.673	180.458	0.83	6.85	8.00	9.16
-634	2	12	1489531.8583	317.204	8.717	0.92	8.71	10.45	12.18
-632	6	17	1490388.1506	78.487	175.092	0.33	18.76	19.08*	
-610	4	17	1498362.1285	20.011	179.055	0.09	18.31	18.38*	
-609	9	30	1498892.8332	180.099	7.164	0.46	8.13	9.21	10.28
-607	2	13	1499395.0057	318.785	172.527	0.55	14.65	15.83	17.01
-606	7	30	1499926.8595	119.206	0.994	0.82	8.34	10.12	11.89
-602	5	18	1501314.7888	49.327	4.717	0.72	7.54	8.58	9.62
-596	7	9	1503558.6970	99.363	173.375	0.54	4.91*	5.36	6.29
-595	6	28	1503912.8925	88.783	181.650	0.48	10.13	11.63	13.13
-595	12	23	1504091.0692	266.374	8.948	0.31	16.48	17.00*	
-593	5	9	1504592.7964	40.605	169.531	0.26	7.91	8.68	9.45
-587	7	29	1506866.1682	118.918	8.077	0.28	18.69	18.95*	
-586	12	14	1507368.9027	256.842	172.893	0.75	9.96	11.72	13.49
-584	5	28	1507900.0985	59.756	3.817	0.87	17.61	18.49	18.93*
-583	5	18	1508254.7739	49.703	12.575	0.13	7.19	7.72	8.25
-581	9	21	1509110.8264	171.277	179.247	0.90	7.71	8.92	10.13
-580	3	16	1509287.7795	349.477	7.169	0.68	6.80	8.09	9.37
-578	7	20	1510143.9748	109.873	172.571	0.43	13.87	15.08	16.28
-577	1	14	1510321.9800	288.454	0.868	0.14	14.58	15.21	15.84
-574	5	9	1511532.7329	40.934	177.407	0.28	6.21	6.93	7.65
-570	2	24	1512920.0721	329.741	179.937	0.47	16.71	17.55	17.56*
-568	1	5	1513599.9036	279.073	164.989	0.10	11.44	12.16	12.89
-563	4	7	1515518.9810	10.851	358.514	0.57	14.27	15.60	16.94
-558	1	14	1517261.7625	288.618	8.726	0.89	6.93*	7.07	8.30
-556	5	19	1518118.0316	51.353	176.551	0.94	15.79	16.91	18.03
-555	11	1	1518648.9262	213.469	6.820	0.77	11.15	12.58	14.01
-553	3	18	1519150.9448	351.054	171.022	0.24	12.90	13.92	14.94
-552	8	31	1519682.7486	151.287	359.246	0.41	5.53	6.53	7.52
-551	8	20	1520036.7487	140.223	6.803	0.35	5.34	6.24	7.14
-548	6	19	1521070.7212	80.624	2.059	0.26	5.94	6.55	7.16
-546	10	23	1521926.8802	204.082	170.870	0.46	10.02	11.13	12.24
-543	3	27	1522812.7728	0.174	14.295	0.22	7.06	7.76	8.47
-541	7	31	1523668.7905	120.359	179.391	0.91	6.49	7.77	9.06
-536	11	1	1525588.9579	213.884	14.636	0.10	13.12	13.75	14.37
-533	8	31	1526622.0508	150.982	6.299	0.87	15.48	16.73	17.98
-531	1	15	1527124.9315	290.232	172.591	0.83	11.46	13.25	15.04
-530	6	20	1527656.0360	91.087	1.227	0.67	15.65	16.64	17.63
-529	6	20	1528010.6768	80.962	9.955	0.63	4.91*	5.20	6.00
-527	10	23	1528866.9016	204.489	178.709	0.25	10.32	11.23	12.14
-526	4	18	1529043.6602	21.154	4.994	0.18		5.60*	5.89
-523	2	15	1530078.0264	321.401	0.074	0.62	15.47	16.46	17.44*
-520	6	10	1531288.6208	72.176	174.799	0.02		4.96*	4.95
-519	5	30	1531642.9240	61.765	183.323	0.13	12.24	13.14	14.04
-516	3	28	1532676.0480	1.862	178.229	0.86	16.07	17.10	18.08*
-508	4	23	1535628.9487	31.613	4.171	0.51	12.73	14.10	15.47
-506	9	1	1536485.1585	152.527	170.102	0.22	18.30	18.49*	
-504	2	16	1537017.7586	321.518	7.893	0.75	6.56*	7.17	8.41
-502	6	21	1537873.9160	82.599	173.943	0.29	11.85	13.00	14.15
-501	12	4	1538405.0438	247.130	6.789	0.88	15.69	16.75	17.10*
-499	4	19	1538906.8446	22.739	168.892	0.04	9.73	10.16	10.60
-492	11	24	1541682.9960	237.695	170.756	0.88	13.94	15.20	16.46
-489	4	29	1542568.7010	31.764	11.995	0.61	5.44*	6.10	6.94
-487	9	1	1543424.7460	152.506	177.736	0.73	5.51*	6.50	7.56
-480	4	19	1545846.6819	22.961	176.779	0.13	5.58*	5.69	6.12

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-479	10	2	1546377.9973	183.709	5.252	0.62	13.65	15.11	16.56
-477	2	17	1546880.9078	323.097	171.712	0.77	10.70	12.49	14.28
-476	8	1	1547411.9950	122.743	359.001	0.14	14.45	15.05	15.66
-469	3	20	1549834.0143	353.691	358.564	0.59	15.25	16.28	17.32
-465	7	2	1551298.7453	92.991	180.655	0.32	5.81	6.70	7.58
-465	12	26	1551575.7869	269.549	6.729	0.75	7.00*	7.87	8.97
-462	4	30	1552431.9918	33.448	175.959	0.76	14.49	15.66	16.83
-457	8	2	1554351.8975	123.028	6.902	0.22	10.55	11.58	12.61
-456	12	16	1554853.7453	260.137	170.739	0.30		6.98*	7.64
-454	5	31	1555384.8077	62.853	1.533	0.46	7.97	9.10	10.22
-452	10	3	1556241.1214	185.286	169.080	0.39	17.52	17.96*	
-450	3	20	1556773.6898	353.757	6.323	0.39		6.06*	6.61
-449	3	9	1557127.7624	342.859	14.151	0.15	6.54	7.26	7.97
-447	7	12	1557984.0234	103.456	179.829	0.19	15.25	16.03	16.81
-446	12	26	1558515.8103	269.956	14.557	0.10	8.07	8.61	9.16
-437	12	17	1561793.7415	260.521	178.588	0.32		6.98*	7.35
-436	6	10	1561970.0958	73.259	0.646	0.52	17.56	18.44	19.05*
-435	5	31	1562324.6197	63.058	9.409	0.05		5.03*	5.05
-433	10	4	1563180.7632	185.314	176.784	0.59	6.14	7.14	8.15
-432	3	30	1563358.9858	4.362	5.643	0.27	14.26	15.23	16.21
-430	8	3	1564215.1113	124.664	170.884	0.87	17.37	18.32	18.88*
-425	11	4	1566133.9981	217.003	4.824	0.42	14.12	15.41	16.70
-423	3	21	1566636.8179	355.302	170.103	0.54	7.81	9.24	10.66
-422	3	10	1566990.8396	344.358	177.803	0.13	9.12	10.03	10.94
-415	4	21	1569589.9445	25.386	356.405	0.17	13.61	14.40	15.19
-410	1	27	1571331.8815	302.865	6.316	0.56	10.18	11.46	12.73
-408	6	1	1572187.9221	64.753	173.386	0.26	12.27	13.23	14.19
-403	9	3	1574107.8503	155.202	5.280	0.57	8.26	9.64	11.02
-401	1	18	1574809.8476	293.590	170.450	0.98	8.58	9.97	11.35
-393	8	14	1577739.8772	135.179	177.663	0.82	8.94	10.73	12.53
-391	1	27	1578271.8914	303.269	14.143	0.19	10.47	11.35	12.23
-389	6	2	1579127.9572	65.176	181.198	0.46	13.14	14.26	15.38
-388	11	14	1579658.9370	228.163	12.394	0.40	11.71	13.05	14.38
-382	7	13	1581725.9802	104.622	358.150	0.24	13.94	14.85	15.76
-379	11	5	1582836.8330	218.680	176.444	0.90	7.91	9.16	10.42
-378	5	2	1583114.8385	35.843	3.239	0.69	8.73	10.21	11.69
-376	9	4	1583971.0474	156.836	169.251	0.62	15.59	16.67	17.75
-371	12	6	1585890.0300	250.580	4.719	0.64	15.42	16.63	17.07*
-369	4	23	1586392.6689	26.913	167.849	0.25		5.51*	6.05
-368	4	11	1586746.6942	16.144	175.725	0.38	5.69*	5.82	6.68
-363	7	13	1588665.8591	104.896	6.035	0.38	9.05	10.14	11.22
-362	11	27	1589167.8352	240.995	168.594	0.08	9.09	9.70	10.32
-360	5	12	1589700.1118	46.262	2.338	0.73	18.01	18.77*	
-356	3	1	1591087.9264	335.608	5.226	0.99	11.88	13.17	14.46
-350	4	22	1593331.9707	26.624	174.918	0.52	13.80	15.20	16.60
-349	10	6	1593863.8486	188.016	4.369	0.94	8.10	9.60	11.10
-348	9	24	1594218.0045	176.889	12.051	0.19	14.48	15.38	16.27
-347	2	19	1594365.9090	326.518	169.606	0.58	11.14	12.43	13.72
-339	9	15	1597495.7811	167.510	176.153	0.42	6.32	7.43	8.53
-338	9	4	1597849.7815	156.363	183.644	0.30	6.28	7.23	8.18
-336	7	14	1598529.1735	106.616	170.026	0.14	18.96	19.05*	
-335	7	4	1598883.8919	96.524	178.640	1.00	10.16	11.65	13.13
-334	12	17	1599416.0223	261.801	12.379	0.15	15.26	15.91	16.55
-328	2	20	1601305.8565	326.857	177.475	0.05	10.01	10.49	10.97
-325	12	8	1602692.9267	252.327	176.383	0.09	11.82	12.49	13.17
-323	5	23	1603224.6948	56.380	8.532	0.87	5.10*	5.75	6.78
-322	10	7	1603727.0290	189.650	168.303	0.56	15.03	16.22	17.40
-321	9	26	1604081.0955	178.430	175.812	0.17	17.12	17.78	18.07*
-316	1	8	1605646.0588	284.061	4.510	0.74	16.16	17.04*	
-309	8	15	1608421.8313	136.735	4.011	0.76	7.85	9.10	10.34
-308	12	29	1608923.8844	274.559	168.479	0.53	9.76	11.36	12.96
-306	6	14	1609455.9247	77.437	359.590	0.71	11.46	13.27	15.09
-302	4	2	1610843.9233	7.698	3.445	1.02	11.88	13.19	14.49
-297	1	8	1612585.7394	284.130	12.248	0.20		6.96*	7.32

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-296	5	24	1613087.7815	57.877	172.243	0.45	6.81	7.93	9.06
-295	5	13	1613442.0144	47.387	180.658	0.45	15.25	16.31	17.36
-295	11	7	1613619.8845	221.366	4.040	0.48	9.41	10.88	12.35
-294	10	27	1613973.9829	210.031	11.454	0.41	13.29	14.70	16.11
-285	10	18	1617251.7390	200.475	175.326	0.32	6.29*	6.46	7.33
-284	10	6	1617605.7391	189.132	182.626	0.47	6.11*	6.24	7.20
-282	8	16	1618285.1523	138.480	168.007	0.48	18.28	18.70*	
-281	8	6	1618639.8476	128.209	176.446	0.60	8.56	9.82	11.09
-280	1	30	1618816.7278	306.158	4.116	0.15		6.77*	7.01
-278	6	4	1619673.0525	68.265	171.335	0.25	17.00	17.75	18.49
-274	3	24	1621061.8304	359.100	175.941	0.48	8.55	9.80	11.04
-270	1	9	1622449.0181	285.860	176.224	0.45	15.12	16.09	17.05*
-268	11	8	1623483.0465	222.999	167.912	0.49	15.74	16.87	17.37*
-267	10	28	1623837.0669	211.584	175.165	0.30	16.39	17.33	17.54*
-262	2	9	1625402.0564	317.107	3.823	0.66	16.12	17.16	17.37*
-255	9	16	1628177.8540	169.192	2.659	0.86	8.57	9.89	11.21
-253	1	31	1628679.9107	307.782	168.003	0.35	11.13	12.45	13.77
-251	7	5	1629565.7684	97.996	4.891	0.87	5.92	7.15	8.38
-248	5	4	1630599.8782	39.271	1.103	0.63	10.46	11.71	12.96
-243	2	9	1632341.7887	317.230	11.622	0.72	6.87	8.07	9.27
-241	6	15	1633197.8853	78.629	178.015	0.94	9.87	11.55	13.23
-241	12	10	1633375.9327	254.972	3.955	0.23	12.18	13.34	14.51
-240	11	28	1633729.9885	243.550	11.235	0.43	13.58	14.99	16.39
-236	9	16	1635117.8847	169.607	10.481	0.02	10.77	11.08	11.39
-234	1	31	1635619.7313	307.983	175.876	0.31		6.74*	7.14
-233	7	16	1636151.0464	108.469	4.072	0.90	15.72	16.94	18.16
-231	11	19	1637007.7373	233.902	175.003	0.43		6.77*	7.47
-230	11	8	1637361.7511	222.453	182.216	0.34		6.62*	7.41
-229	5	5	1637539.8147	39.591	9.004	0.55	7.94	9.05	10.16
-227	9	7	1638395.8422	160.459	174.866	0.44	8.57	9.66	10.76
-220	4	25	1640817.7472	30.760	173.776	0.84	6.16	7.27	8.38
-219	4	14	1641172.0129	20.223	182.158	0.22	15.47	16.33	17.20
-216	2	11	1642205.0799	318.950	175.590	0.70	16.74	17.40*	
-213	11	30	1643593.0742	245.092	174.948	0.32	16.67	17.12*	
-211	5	15	1644125.1133	50.028	8.148	0.06	18.63	18.82*	
-208	3	13	1645158.0082	349.533	2.449	0.80	14.79	16.01	17.23
-206	7	17	1646014.1596	110.000	167.874	0.10	18.91	19.02*	
-202	5	6	1647403.0426	41.220	172.953	0.32	16.56	17.37	18.19
-201	10	19	1647933.9272	202.287	1.988	0.09	11.94	12.54	13.13
-194	6	6	1650355.8090	70.580	358.479	0.04	8.93	9.27	9.60
-189	3	14	1652097.7962	349.705	10.312	0.86	7.36	8.56	9.76
-187	7	17	1652553.7855	110.023	175.567	0.54	6.62	7.71	8.80
-186	1	11	1653131.9683	288.434	3.740	0.58	13.49	14.84	16.19
-186	12	21	1653485.9976	277.064	11.042	0.18	14.33	15.22	16.11
-182	10	19	1654873.9472	202.689	9.815	0.73	11.96	13.37	14.77
-180	3	4	1655375.7610	340.670	174.776	0.42	6.53	7.42	8.32
-179	8	17	1655906.9108	140.229	1.960	0.81	10.13	11.98	13.83
-178	8	6	1656261.1681	129.531	10.159	0.21	18.64	18.82*	
-177	12	22	1656763.7464	267.458	174.816	0.60		7.00*	7.75
-175	6	6	1657295.7026	70.857	6.383	0.81	5.03	5.96	6.90
-173	10	10	1658151.8815	193.350	173.980	0.79	9.63	10.98	12.33
-169	7	28	1659539.0927	120.580	174.828	0.53	16.91	17.75	18.59
-166	5	28	1660573.6226	62.061	171.215	0.09		5.04*	5.10
-165	5	17	1660927.8368	51.561	179.580	0.45	8.52	9.94	11.36
-162	3	15	1661961.0925	351.424	174.243	0.45	17.36	17.91*	
-158	1	1	1663249.0806	278.601	174.723	0.23	16.78	17.02*	
-157	6	17	1663680.9967	81.272	5.513	0.39	14.65	15.71	16.76
-154	4	15	1664513.9191	21.344	0.421	0.66	11.89	13.33	14.76
-147	5	27	1667513.1068	61.952	178.675	0.40	17.90	18.72	18.95*
-138	11	11	1670967.9912	226.410	165.803	0.38	14.13	15.12	16.12
-135	4	15	1671853.7569	21.577	8.297	0.91	6.57	7.61	8.65
-133	8	19	1672709.7276	141.875	173.563	0.14	5.53	6.05	6.57
-132	2	13	1672887.9545	321.433	2.987	0.74	12.98	14.42	15.87
-131	2	1	1673241.9721	310.226	10.437	0.06	13.75	14.31	14.88

CY.	CM	CD	JDN	L	P	PMA	TB	TM	TE
-128	11	20	1674630.0426	236.220	9.655	0.75	15.53	16.63	17.21*
-126	4	6	1675131.7460	12.719	172.988	0.80	6.26	7.27	8.28
-125	9	19	1675662.8384	172.617	0.550	0.55	7.73	9.15	10.56
-124	9	7	1676017.1322	161.748	8.591	0.72	17.67	18.35*	
-123	2	3	1676165.7517	312.063	167.071	0.09	6.69*	7.10	7.66
-122	1	23	1676519.7351	300.761	174.372	0.51		6.82*	7.45
-119	11	11	1677907.5583	226.763	173.677	0.53	12.39	13.72	15.05
-115	8	29	1679295.0559	152.623	173.048	0.70	15.66	16.67	17.68
-114	8	19	1679649.6906	142.224	181.452	0.48		5.35*	5.99
-111	6	18	1680683.6419	82.734	176.834	0.27		4.91*	5.21
-111	12	12	1680860.7829	258.285	1.788	0.09	7.27	7.73	8.19
-108	4	16	1681717.0641	23.284	172.246	0.22	17.12	17.72	18.32
-104	2	3	1683105.0538	311.756	174.095	0.65	16.10	17.24	17.30*
-103	7	19	1683636.8808	112.671	3.051	0.79	9.30	10.97	12.64
-93	6	29	1687268.9116	93.145	175.945	0.57	10.93	12.68	14.42
-92	6	17	1687622.9458	82.453	183.917	0.00	13.55	13.55	13.55
-92	12	12	1687800.7771	258.866	9.643	0.60	6.97*	7.60	8.65
-89	4	17	1688657.1013	23.702	180.069	0.49	17.67	18.43*	
-88	9	29	1689187.8086	183.597	7.941	0.25	7.52	8.36	9.20
-82	5	28	1691255.0976	63.154	357.048	0.02	18.27	18.48	18.69
-81	5	18	1691609.6924	53.014	5.824	0.52	5.23	5.99	6.75
-78	3	17	1692643.8751	353.794	1.502	0.32	10.65	11.90	13.15
-77	3	6	1692997.8913	342.798	9.160	0.45	10.10	11.58	13.06
-72	5	8	1694887.6962	44.270	170.649	0.77	5.26*	6.04	6.90
-71	10	21	1695418.8290	205.644	359.848	0.21	7.94	8.85	9.75
-65	12	14	1697664.0486	260.400	173.631	0.74	15.87	16.97	17.02*
-63	5	28	1698195.0025	63.443	4.951	0.41	14.92	15.87	16.81
-62	5	18	1698549.7281	53.431	13.654	0.17	6.07	6.58	7.08
-61	10	1	1699051.0781	185.317	171.963	0.69	16.35	17.33	17.96*
-60	9	20	1699405.7184	174.724	180.113	0.92	5.87*	5.98	6.90
-53	5	9	1701827.7295	44.691	178.458	0.11	6.43	6.86	7.29
-50	3	7	1702860.9797	344.310	172.850	0.42	13.96	15.21	16.45
-49	8	21	1703392.7882	144.515	1.049	0.75	6.38	7.64	8.89
-48	8	9	1703746.9362	133.696	9.035	0.01	12.98	13.25	13.53
-47	1	4	1703894.8470	282.459	165.641	0.18	9.31	10.12	10.93
-39	7	31	1707024.7358	124.606	173.490	0.19	5.36	6.05	6.75
-38	7	20	1707378.7750	113.800	181.364	0.48	6.13	7.26	8.40
-37	1	14	1707556.8641	292.172	9.460	0.99	9.00	10.55	12.11
-35	5	19	1708413.0402	55.135	177.611	0.85	15.96	16.98	18.01
-34	11	1	1708943.8688	216.853	7.502	0.88	8.99	10.47	11.94
-28	1	5	1710834.7666	282.762	173.532	0.97	6.96*	7.24	8.37
-25	10	23	1712221.7887	207.453	171.599	0.04	7.89	8.19	8.50
-23	4	7	1712753.7578	14.722	7.200	0.77	6.27	7.51	8.76
-21	8	11	1713610.0181	135.203	172.775	0.86	14.64	15.95	17.26
-9	6	30	1717950.9348	94.762	2.345	0.91	11.87	13.29	14.72
-8	6	19	1718305.6591	84.728	11.020	0.52		4.91*	5.50
-6	4	29	1718985.0124	35.997	358.516	0.63	15.24	16.52	17.80
-6	10	23	1719161.7947	207.848	179.452	0.72	7.01	8.03	9.05
-2	2	15	1720372.9613	324.876	0.868	0.43	13.58	14.56	15.55
1	6	10	1721583.6548	75.995	175.863	0.58		4.94*	5.62
4	4	8	1722616.8562	16.229	170.935	0.34	9.25	10.57	11.88
5	3	28	1722971.1025	5.583	179.180	0.51	17.59	18.14*	
5	9	22	1723148.7413	176.963	359.739	0.52	5.91*	6.42	7.42
6	9	11	1723502.8272	165.875	7.386	0.19	7.75	8.69	9.63
17	2	15	1727312.9073	325.211	8.754	0.69	10.86	12.27	13.68
19	6	21	1728168.9618	86.430	174.997	0.66	13.28	14.51	15.74
20	12	3	1728699.9613	250.464	7.429	0.76	12.78	14.20	15.62
24	9	21	1730088.1346	176.751	6.981	0.31	17.78	18.10*	
26	2	6	1730590.8102	315.954	173.010	0.73	7.34	8.70	10.05
27	1	26	1730945.0489	304.918	180.850	0.09	16.66	17.16	17.22*
29	11	24	1731977.8852	241.001	171.424	0.91	9.76	11.20	12.64
32	4	28	1732863.7970	35.601	13.045	0.02	8.02	8.28	8.53
33	9	12	1733365.9075	167.398	171.114	0.21	11.29	12.38	13.46
34	9	1	1733719.9594	156.346	178.767	0.31	12.20	13.35	14.51

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
38	6	21	1735108.7838	86.643	182.881	0.03	7.59	7.91	8.24
39	12	4	1735639.9500	250.838	15.282	0.10	12.86	13.49	14.12
41	4	19	1736141.7111	26.723	177.762	0.07	5.97	6.33	6.69
45	8	1	1737706.8906	126.362	0.031	0.65	10.00	11.36	12.71
49	5	20	1739094.8557	56.558	3.801	0.91	8.82	10.46	12.11
52	3	19	1740128.5799	357.305	359.450	0.63	14.12	15.20	16.28
58	5	11	1742372.6941	47.665	168.471	0.23	5.21*	5.82	6.48
59	4	30	1742727.0099	37.221	176.965	0.91	15.04	16.27	17.49

6. Solar Eclipses for Memphis (-2972 – 59)

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2972	9	24	635801.8769	158.356	358.082	0.24	9.24	10.20	11.17
-2970	9	3	636511.1607	136.947	14.063	0.03	18.67	18.68*	
-2966	11	17	638047.0003	213.139	171.906	0.85	13.25	14.87	16.48
-2960	2	18	639965.9299	306.045	6.501	0.92	11.24	12.84	14.44
-2958	6	23	640822.0501	66.231	171.610	0.21	16.85	17.55	18.25
-2954	4	12	642210.9550	357.577	176.808	0.91	12.62	14.12	15.63
-2953	9	25	642741.8627	158.735	5.928	0.50	8.60	9.77	10.93
-2951	2	8	643243.8227	296.955	170.937	0.82	7.27	8.63	9.99
-2943	3	11	646197.0324	327.355	357.651	0.35	15.75	16.68	17.56*
-2939	6	23	647761.6977	66.263	179.351	0.09	5.35	5.73	6.12
-2939	12	18	647939.8933	245.015	7.876	0.96	8.95	10.79	12.63
-2937	5	4	648441.7296	18.156	167.186	0.25	6.02	6.66	7.31
-2932	8	4	650360.7781	107.488	358.087	0.11	6.78	7.41	8.04
-2931	7	24	650714.8032	96.473	5.733	0.60	6.59	7.82	9.05
-2928	5	23	651749.0432	37.287	1.435	0.84	15.91	16.96	18.01
-2925	9	16	652959.8110	149.762	177.957	0.70	6.89	8.07	9.26
-2921	7	4	654347.0064	76.826	178.620	0.74	14.52	15.73	16.93
-2914	2	19	656769.0355	307.935	178.282	0.43	15.38	16.26	17.15
-2913	8	4	657300.1113	107.204	5.226	0.93	17.32	18.35	18.98*
-2912	12	19	657803.0221	246.584	171.684	0.93	14.35	15.87	17.16*
-2906	3	22	659721.8422	337.755	4.428	0.37	8.81	9.97	11.13
-2900	5	14	661966.8189	28.728	174.159	0.93	7.71	9.12	10.54
-2899	5	3	662321.0004	18.220	182.484	0.22	14.88	15.81	16.74
-2899	10	27	662497.9878	192.358	5.898	0.67	13.02	14.28	15.54
-2897	3	13	662999.7662	328.862	169.092	0.57	6.42*	7.24	8.29
-2890	10	18	665775.9398	182.920	169.900	0.40	11.80	12.87	13.94
-2887	3	22	666661.6960	338.001	12.307	0.06		6.29*	6.33
-2885	7	26	667517.6544	98.129	177.451	0.23		4.98*	5.19
-2884	1	20	667695.8800	277.971	7.146	0.72	8.69	10.51	12.33
-2882	5	25	668552.1063	39.110	173.292	0.40	18.03	18.63*	
-2882	11	18	668728.7282	214.447	358.134	0.08		6.47*	6.59
-2880	10	27	669437.9904	192.731	13.763	0.07	13.90	14.42	14.95
-2877	8	26	670470.7449	128.917	4.436	0.79	5.22*	6.03	7.12
-2874	6	25	671504.9821	68.694	359.003	0.73	13.78	15.06	16.34
-2871	10	18	672715.9007	183.251	177.802	0.75	9.51	10.90	12.29
-2867	8	5	674102.9832	108.905	176.944	0.90	13.32	14.62	15.92
-2863	11	18	675668.7416	214.850	5.946	0.54		6.48*	7.16
-2860	3	23	676525.0095	339.692	176.230	1.01	14.49	15.63	16.77
-2859	9	5	677056.0704	139.895	4.149	0.61	15.91	17.00	18.09
-2857	1	21	677558.9862	279.515	170.848	0.71	13.19	14.80	16.41
-2855	6	25	678444.7940	68.881	6.900	0.70	6.83	7.98	9.14
-2846	6	16	681722.6781	59.971	171.601	0.69	5.12*	5.25	6.15
-2845	6	5	682076.8033	45.341	179.747	0.28	7.56	8.59	9.62
-2843	4	14	682755.6798	0.267	166.710	0.01		5.95*	5.96
-2837	7	6	685030.0905	79.440	6.159	0.52	17.29	18.19	19.01*
-2836	11	19	685532.0704	216.636	169.957	0.99	15.89	16.97	17.50*
-2834	5	4	686063.0232	19.433	0.982	0.87	15.20	16.38	17.56
-2831	8	27	687273.6673	130.678	176.222	0.07		5.24*	5.27
-2830	2	21	687451.7936	310.254	5.611	0.45	6.67*	7.71	8.93
-2829	2	10	687805.8069	299.280	13.280	0.20	7.04	7.95	8.86
-2827	6	15	688662.0766	59.768	178.906	0.54	16.92	17.94	18.87*
-2823	9	27	690226.7524	162.026	3.880	0.70	5.68*	6.21	7.29
-2822	9	16	690581.0985	150.992	11.761	0.36	16.80	17.57	18.34
-2820	7	27	691260.9522	100.596	357.115	0.28	12.61	13.66	14.70
-2813	9	7	693859.0220	141.671	175.999	0.55	14.33	15.37	16.41
-2812	3	3	694037.0868	320.857	4.956	0.29	16.86	17.47*	
-2809	12	21	695424.8631	248.385	5.851	0.62	8.56	9.81	11.06
-2806	4	25	696280.9583	11.023	173.743	0.52	13.01	14.16	15.31
-2805	10	8	696812.0995	173.180	3.823	0.32	16.89	17.70	18.15*
-2803	2	22	697314.8933	311.744	169.328	0.49	9.63	11.37	13.10
-2802	2	11	697668.9038	300.773	176.992	0.15	10.60	11.65	12.71
-2801	7	28	698200.7053	100.731	4.953	0.87	4.99*	5.43	6.40
-2800	12	11	698702.8176	239.026	169.912	0.16	8.04	8.66	9.28
-2787	4	25	703220.9868	11.441	181.564	0.32	14.23	15.14	16.06

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2783	8	7	704786.0159	111.498	4.438	0.82	14.48	15.80	17.13
-2780	6	5	705818.9253	50.641	358.390	0.55	11.88	13.25	14.61
-2777	9	29	707029.7469	163.862	175.753	0.34	5.71*	6.33	7.09
-2773	7	18	708417.9160	91.381	176.657	0.61	10.70	12.55	14.41
-2769	10	30	709982.8035	195.592	3.814	0.83	6.46	7.72	8.98
-2763	12	22	712228.0782	250.435	177.711	0.06	16.97	17.14*	
-2761	6	6	712758.8832	50.993	6.268	0.48	10.01	11.15	12.29
-2759	10	9	713615.1118	175.046	175.684	0.11	17.31	17.76	18.12*
-2758	4	5	713792.9218	352.313	2.538	0.77	11.43	13.07	14.70
-2758	9	29	713969.7580	164.267	183.582	0.43	5.75	6.56	7.37
-2756	8	8	714649.1679	113.080	168.370	0.10	18.83	18.94*	
-2754	1	22	715180.9339	281.421	5.124	0.44	11.74	12.93	14.11
-2752	5	27	716036.8920	42.265	171.073	0.03	11.36	11.70	12.05
-2749	3	27	717070.7415	343.346	167.100	0.12	6.21*	6.67	7.28
-2748	3	15	717424.7843	332.592	175.016	0.50	6.38	7.56	8.73
-2747	8	29	717956.6699	132.233	3.734	0.07		5.27*	5.31
-2745	1	13	718458.9086	272.221	169.416	0.80	10.19	11.70	13.21
-2742	10	31	719846.0105	197.255	167.808	0.46	14.14	15.31	16.48
-2735	1	22	722120.8757	281.734	13.044	0.40	9.02	10.30	11.58
-2733	5	28	722976.9151	42.656	178.945	0.81	11.18	12.67	14.17
-2732	11	9	723507.9343	206.970	11.675	0.32	11.29	12.43	13.58
-2730	3	26	724010.0636	343.085	174.203	0.42	16.44	17.38	17.79*
-2729	9	9	724541.9970	144.226	3.466	0.73	13.33	14.80	16.26
-2728	8	28	724896.0452	133.004	10.938	0.07	16.06	16.55	17.03
-2726	1	13	725398.7734	272.480	177.297	0.59		6.93*	7.86
-2726	7	8	725574.8603	82.201	356.094	0.03	10.28	10.65	11.03
-2723	10	31	726795.8610	197.497	175.685	0.83	8.51	9.76	11.01
-2719	8	19	728173.8186	123.622	175.099	0.24	7.18	8.22	9.25
-2718	8	8	728527.8841	112.558	182.752	0.41	9.09	10.57	12.04
-2715	12	1	729738.8749	229.232	3.853	0.52	8.61	10.01	11.41
-2707	7	8	732514.8536	82.571	3.990	0.79	8.67	9.95	11.22
-2703	4	26	733902.7741	12.803	7.818	0.90	6.43	7.69	8.96
-2702	9	10	734405.1335	145.812	167.370	0.35	17.83	18.56*	
-2701	8	30	734759.1284	134.531	174.721	0.47	17.49	18.38	18.71*
-2700	2	24	734936.9601	313.768	3.694	0.72	12.80	14.01	15.23
-2693	4	6	737534.9636	353.529	181.083	0.19	13.59	14.41	15.23
-2691	2	14	738214.9335	304.764	168.221	0.44	11.57	12.82	14.07
-2688	12	2	739602.0881	230.899	167.835	0.37	16.68	17.32*	
-2686	5	18	740133.9911	33.791	358.843	0.74	14.22	15.70	17.17
-2681	2	24	741876.8530	314.043	11.621	0.59	8.30	9.69	11.08
-2679	6	29	742732.8416	74.086	176.564	0.80	8.27	9.65	11.02
-2678	12	12	743264.0380	240.589	11.672	0.43	15.04	16.03	17.01
-2676	4	27	743765.8938	14.309	171.602	0.29	10.44	11.70	12.96
-2675	10	11	744298.0104	177.538	3.130	0.34	13.94	15.11	16.28
-2674	9	30	744652.0138	166.101	10.327	0.33	14.20	15.37	16.53
-2672	2	15	745154.7518	304.979	176.084	0.43		6.73*	7.35
-2669	12	3	746541.9774	231.178	175.712	0.18	13.03	13.85	14.67
-2665	9	21	747929.7679	156.549	174.235	0.05	6.26	6.66	7.07
-2664	9	9	748283.8589	145.285	181.769	0.59	7.94	9.38	10.83
-2661	7	10	749318.1601	84.660	175.891	0.28	18.76	19.03*	
-2660	1	3	749494.9159	262.556	3.545	0.14	11.16	12.07	12.99
-2654	2	25	751740.0663	315.654	175.526	0.86	16.11	17.20	17.40*
-2653	8	10	752270.8583	114.723	2.338	0.93	8.48	9.85	11.21
-2648	10	12	754161.1334	179.119	166.988	0.18	17.76	18.06*	
-2647	10	1	754515.1016	167.646	174.113	0.49	16.65	17.66	18.23*
-2646	3	28	754692.9227	345.483	1.583	0.51	11.86	13.02	14.17
-2642	7	10	756257.8774	84.774	183.677	0.19	9.69	10.76	11.82
-2641	1	3	756434.7602	262.788	11.411	0.20		6.92*	7.41
-2639	5	8	757290.8576	24.765	178.463	0.46	9.34	10.57	11.81
-2631	6	8	760243.8681	54.312	4.195	0.79	9.02	10.62	12.21
-2627	3	28	761632.7730	345.713	9.503	0.97	6.29	7.50	8.70
-2625	8	1	762488.8047	106.020	174.724	0.34	7.11	8.05	9.00
-2622	5	30	763521.7336	45.446	168.917	0.22	5.90	6.58	7.27
-2621	11	13	764054.0494	211.152	3.117	0.21	15.82	16.67	17.52

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2620	11	1	764408.0263	199.628	10.190	0.56	14.30	15.71	17.12
-2614	1	4	766298.0789	264.528	175.400	0.48	16.47	17.08*	
-2613	6	19	766829.1510	64.759	3.359	0.23	18.73	18.92*	
-2611	10	23	767685.7798	189.974	173.996	0.07	6.75	7.22	7.68
-2610	10	12	768039.8965	178.621	181.427	0.29	9.32	10.41	11.50
-2607	8	11	769074.1352	116.809	174.263	0.58	17.79	18.60	18.90*
-2606	2	4	769250.9181	295.295	2.568	0.13	11.89	12.68	13.48
-2600	3	29	771495.9613	347.293	173.368	0.57	12.82	14.22	15.63
-2599	3	18	771850.0997	336.638	181.500	0.21	17.36	17.69*	
-2599	9	11	772026.9182	147.563	1.417	0.72	10.46	11.85	13.25
-2597	1	26	772528.8312	286.123	166.913	0.18	8.28	9.09	9.89
-2594	6	19	773768.8075	64.822	11.080	0.05	7.85	8.23	8.60
-2593	11	3	774271.1185	201.186	173.952	0.34	17.26	17.72*	
-2588	8	11	776013.7984	116.849	182.019	0.50	6.45	7.65	8.84
-2587	2	4	776190.8119	295.559	10.482	0.86	7.07	8.29	9.51
-2585	6	10	777046.7724	56.003	175.917	0.84	6.59	7.68	8.77
-2585	12	5	777224.7383	233.531	3.083	0.37		6.71*	7.12
-2578	1	26	779468.7851	286.448	174.811	0.72	6.88*	7.37	8.39
-2577	7	11	779999.7328	85.817	1.857	0.35	5.58	6.40	7.22
-2567	6	20	783632.0797	66.489	175.101	0.93	16.96	17.91	18.87
-2567	12	15	783810.0728	244.677	2.976	0.39	16.51	17.18*	
-2566	12	4	784164.0435	233.216	10.103	0.51	15.07	16.34	17.29*
-2559	7	21	786585.0362	96.435	1.229	0.68	15.35	16.54	17.74
-2557	11	25	787441.8079	223.585	173.938	0.40	6.99	8.07	9.14
-2555	5	10	787973.9313	27.343	6.022	0.32	11.75	12.94	14.13
-2553	9	13	788830.1589	149.625	173.377	0.35	18.13	18.50*	
-2546	5	1	791251.8118	18.520	170.781	0.49	7.56	8.80	10.03
-2545	4	20	791605.9142	7.927	178.931	0.50	11.14	12.79	14.44
-2543	2	27	792284.8194	318.398	165.449	0.06	8.40	8.85	9.30
-2540	7	21	793524.7549	96.554	9.020	0.35	5.81	6.57	7.33
-2534	9	13	795769.7606	149.618	181.016	0.75	5.50*	6.42	7.59
-2533	3	9	795946.8061	327.676	8.745	0.84	7.24	8.43	9.61
-2531	7	12	796802.7146	87.609	173.669	0.72	4.97	5.86	6.75
-2530	1	6	796980.7361	266.779	2.647	0.01		6.93*	6.88
-2526	10	14	798722.9754	191.301	9.051	0.64	12.54	13.93	15.31
-2524	2	28	799224.8046	318.756	173.333	0.67	7.09	8.20	9.31
-2522	8	1	800110.0851	107.266	8.494	0.46	16.82	17.64	18.47
-2520	6	11	800790.0712	58.439	355.559	0.01	17.61	17.70	17.79
-2517	10	5	802000.8630	171.938	173.134	0.19	9.21	10.08	10.95
-2513	7	23	803388.0435	98.260	173.074	0.75	15.69	16.69	17.69
-2512	1	17	803566.0527	277.741	2.333	0.65	15.87	17.02	17.08*
-2512	7	12	803742.7340	88.006	181.541	0.11	6.01	6.43	6.85
-2511	1	5	803920.0353	266.468	9.666	0.34	15.04	16.10	17.07*
-2509	11	5	804953.7735	203.442	1.173	0.69	6.31*	7.11	8.08
-2505	8	23	806340.9821	128.775	359.783	0.36	13.17	14.36	15.55
-2503	12	27	807197.8157	256.992	173.617	0.74	6.90*	8.18	9.51
-2501	6	12	807729.7828	58.535	3.376	0.58	6.87	7.99	9.11
-2491	5	22	811361.7092	39.020	176.148	0.46	5.37*	6.00	6.93
-2486	8	23	813280.7611	128.932	7.655	0.29	5.79	6.50	7.22
-2483	6	22	814315.0657	69.002	2.534	0.90	16.53	17.66	18.80
-2482	11	6	814817.0908	205.221	165.202	0.23	16.87	17.52	17.66*
-2480	4	20	815348.0988	9.298	357.684	0.60	17.41	18.19*	
-2480	10	15	815525.7711	182.946	180.658	0.83	6.00*	6.73	7.92
-2479	4	10	815702.7662	359.225	6.432	0.49	6.71	7.61	8.50
-2477	8	14	816558.7150	119.796	172.081	0.12	5.12*	5.55	5.98
-2473	6	2	817946.9722	49.407	175.212	0.46	13.72	15.12	16.52
-2472	11	15	818479.0713	214.975	9.123	0.83	15.90	17.04	17.52*
-2470	4	1	818980.7784	350.456	171.197	1.00	6.68	7.78	8.88
-2468	9	2	819866.1118	139.875	7.378	0.97	16.99	17.93	18.64*
-2463	11	6	821756.9408	205.445	173.109	0.98	11.02	12.61	14.20
-2461	4	21	822288.0823	9.656	5.583	0.12	17.28	17.72	18.15
-2460	4	10	822642.8006	359.633	14.290	0.18	7.63	8.28	8.93
-2459	8	24	823144.0632	130.675	171.723	0.93	15.81	16.80	17.79
-2458	2	18	823321.9690	310.141	0.949	0.39	13.55	14.76	15.97

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2458	8	14	823498.7460	120.205	179.935	0.76	5.42	6.38	7.34
-2457	2	7	823675.9778	299.116	8.567	0.46	12.96	14.30	15.64
-2448	1	29	826953.7872	289.851	172.761	0.85	6.86*	7.38	8.66
-2446	7	3	827839.7126	79.275	8.963	0.58	4.99*	5.63	6.58
-2436	12	7	831649.7942	237.394	9.122	0.37	6.75*	7.64	8.56
-2433	4	12	832506.0958	1.307	178.234	0.93	17.16	18.07*	
-2432	9	24	833036.8266	161.985	7.022	0.26	7.65	8.49	9.33
-2430	2	8	833539.1014	300.652	172.328	0.01	17.26	17.23*	
-2429	7	25	834070.9457	100.710	0.433	0.82	11.68	13.48	15.27
-2426	5	23	835104.0101	40.501	355.034	0.15	15.47	16.10	16.73
-2426	11	17	835281.8041	216.543	180.612	0.57	6.50*	7.55	8.70
-2425	5	13	835458.7092	30.472	3.816	0.09	5.96	6.32	6.69
-2419	7	4	837702.7950	80.758	172.728	0.23	6.88	7.78	8.67
-2418	6	23	838056.9208	70.065	180.814	0.63	11.00	12.70	14.41*
-2416	5	3	838736.7213	21.775	168.636	0.52	5.65	6.46	7.27
-2415	10	16	839267.7085	184.083	359.022	0.19		6.02*	6.24
-2409	12	9	841513.0112	239.068	173.084	0.62	14.00	15.39	16.77
-2407	5	23	842044.0186	40.890	2.904	0.60	15.14	16.17	17.20
-2406	5	13	842398.7243	30.879	11.654	0.62	5.58	6.44	7.30
-2405	9	26	842900.1372	163.759	171.070	0.79	17.55	18.29*	
-2404	9	15	843254.8064	153.082	179.045	0.89	6.82	7.97	9.12
-2403	3	11	843431.8656	331.095	6.725	0.82	8.85	10.53	12.22
-2401	7	15	844288.0752	91.326	171.984	0.56	16.87	17.87	18.86
-2397	5	4	845676.7017	22.146	176.493	0.24	5.61*	5.91	6.51
-2394	3	2	846709.7114	322.033	171.213	0.17		6.52*	6.67
-2393	2	19	847064.0761	311.427	179.557	0.43	16.55	17.35*	
-2392	12	30	847743.9348	261.133	165.031	0.12	12.08	12.84	13.60
-2386	4	2	849663.0961	352.341	358.003	0.50	17.28	17.93*	
-2381	1	9	851405.8461	270.681	8.750	0.95	7.70	9.21	10.72
-2379	5	14	852262.0049	32.539	175.629	0.63	14.77	15.91	17.06
-2378	10	27	852792.9333	195.543	6.915	0.98	10.84	12.34	13.83
-2376	3	12	853295.0050	332.629	170.517	0.06	15.05	15.53	16.02
-2375	8	26	853826.8697	133.057	359.004	0.53	8.42	10.04	11.65
-2374	8	15	854180.8769	121.910	6.495	0.16	9.07	10.10	11.14
-2372	12	19	855037.8143	250.042	180.375	0.24	6.86*	7.67	8.53
-2369	10	18	856070.8767	186.106	170.941	0.13	10.02	10.68	11.34
-2366	3	22	856956.7697	341.618	13.677	0.33	6.43	7.29	8.15
-2364	7	25	857812.8231	101.795	178.759	0.97	7.16	8.61	10.07
-2361	11	18	859023.7922	217.748	359.084	0.20	6.77	7.47	8.18
-2354	1	10	861269.0451	272.312	172.667	0.91	15.34	16.60	17.07*
-2353	6	25	861799.9680	72.269	0.400	0.97	13.13	14.47	15.81
-2352	6	14	862154.6439	62.148	9.070	0.36		5.10*	5.38
-2350	10	18	863010.9107	186.517	178.779	0.48	10.05	11.20	12.36
-2349	4	13	863187.7169	2.525	4.311	0.19	5.91*	6.22	6.86
-2347	8	16	864043.9672	123.436	170.286	0.05	14.14	14.63	15.13
-2346	2	10	864222.0294	303.152	359.809	0.40	15.41	16.25	17.10
-2346	8	5	864398.1345	112.520	178.201	0.00	18.47	18.55	18.62
-2342	5	25	865786.9831	43.015	182.512	0.27	14.09	15.14	16.19
-2339	3	23	866820.0235	343.273	177.581	0.87	14.96	16.10	17.24
-2331	4	23	869772.9981	12.920	3.437	0.50	14.31	15.53	16.74
-2327	2	10	871161.8400	303.341	7.704	0.75	7.74	9.25	10.76
-2325	6	16	872017.9087	63.804	173.080	0.11	11.62	12.39	13.15
-2324	11	28	872549.0567	229.250	6.984	0.82	15.64	16.72	17.34*
-2321	9	28	873582.8469	166.062	358.302	0.30	7.82	8.99	10.17
-2320	9	16	873936.8232	154.679	5.516	0.39	6.90	8.11	9.31
-2317	1	21	874793.7840	283.057	179.660	0.11		6.90*	7.43
-2315	11	19	875827.0044	219.810	170.970	0.88	13.68	14.97	16.25
-2312	4	23	876712.6734	12.999	11.184	0.38		5.75*	6.09
-2310	8	27	877568.7906	134.181	177.405	0.63	6.22	7.39	8.57
-2302	9	27	880522.1533	165.737	5.356	0.21	18.04	18.26*	
-2300	2	12	881025.0172	304.930	171.566	0.48	14.64	15.80	16.96
-2299	1	31	881379.0954	293.916	179.277	0.06	17.11	17.17*	
-2299	7	27	881555.9500	104.100	358.389	0.48	12.28	13.49	14.70
-2292	3	14	883978.0109	335.178	358.042	0.38	14.99	15.87	16.75

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2292	9	6	884154.1247	145.137	177.094	0.01	17.97	18.08	18.20
-2288	6	26	885542.8255	74.302	179.971	0.58	7.60	9.01	10.41
-2288	12	20	885719.7963	251.614	6.889	0.98	6.87*	7.74	8.85
-2285	4	25	886575.9485	14.653	175.144	0.73	12.47	13.84	15.20
-2280	7	27	888495.9046	104.427	6.293	0.19	10.61	11.56	12.51
-2279	12	11	888997.7564	242.225	170.958	0.06	6.80*	6.94	7.26
-2277	5	26	889528.8395	44.058	0.722	0.36	8.96	10.11	11.26
-2273	3	15	890917.7663	335.316	5.900	0.44	6.33*	7.24	8.27
-2270	7	7	892128.1132	84.816	179.222	0.15	17.90	18.44	18.98
-2266	4	25	893515.9616	15.040	183.014	0.04	13.92	14.29	14.66
-2266	10	19	893692.8236	188.018	5.171	0.58	6.90	8.25	9.59
-2260	12	11	895937.7748	242.636	178.774	0.69	6.80*	7.05	8.00
-2259	6	5	896114.1211	54.467	359.819	0.52	18.12	18.82*	
-2256	9	28	897324.8178	167.247	176.738	0.54	7.15	8.31	9.47
-2255	3	25	897503.0580	345.848	5.130	0.22	16.29	17.01	17.72
-2253	7	29	898359.1425	106.101	170.297	0.69	18.19	18.98*	
-2246	3	16	900780.9209	336.866	169.723	0.26	11.32	12.55	13.77
-2245	3	5	901134.9822	326.044	177.599	0.59	13.58	15.01	16.44
-2240	6	5	903053.8860	54.617	7.685	0.20	10.19	11.04	11.88
-2239	10	20	903555.9388	189.592	169.000	0.19	12.09	13.10	14.11
-2237	9	29	904264.7026	167.509	184.661	0.02		5.76*	5.79
-2234	7	29	905298.6998	106.034	177.913	0.74	5.02*	5.18	6.18
-2233	1	22	905475.8799	284.727	6.315	0.48	9.48	10.73	11.98
-2231	5	27	906331.8722	45.867	172.545	0.31	9.87	10.90	11.93
-2226	8	29	908251.8944	136.865	4.979	0.53	9.54	11.00	12.45
-2224	1	13	908753.8509	275.517	170.520	0.83	8.28	9.57	10.86
-2218	4	5	911027.7367	356.111	11.604	0.53	6.01*	6.45	7.51
-2216	8	8	911883.9973	116.758	177.340	0.69	13.62	15.01	16.41
-2214	1	22	912415.9074	285.148	14.125	0.25	10.45	11.47	12.48
-2212	5	27	913271.8978	46.283	180.369	0.55	10.68	11.96	13.25
-2212	11	20	913448.8498	221.629	5.114	0.93	7.55	9.12	10.69
-2211	11	9	913803.0247	210.313	12.619	0.30	14.59	15.60	16.60
-2205	7	8	915870.0068	85.901	357.462	0.28	14.78	15.73	16.67
-2202	10	31	917080.8994	200.776	176.651	0.77	9.46	10.88	12.31
-2201	4	27	917258.9146	17.136	2.600	0.94	11.06	12.70	14.33
-2199	8	30	918115.1209	138.533	169.019	0.63	17.38	18.27	18.66*
-2192	4	17	920536.7659	8.265	167.278	0.11	6.83	7.41	7.99
-2191	4	6	920890.8133	357.578	175.263	0.58	7.33	8.75	10.18
-2186	7	8	922809.8241	86.117	5.331	0.70	7.64	8.81	9.98
-2185	11	22	923311.9786	223.215	168.947	0.59	12.78	14.34	15.90
-2183	10	31	924020.8147	201.083	184.533	0.03	7.70	7.98	8.26
-2179	2	23	925231.9065	317.207	4.961	0.58	10.86	12.10	13.34
-2173	4	17	927476.0844	7.989	174.399	0.39	17.28	18.17*	
-2172	9	30	928007.9319	169.948	4.397	0.92	10.63	12.28	13.93
-2171	9	19	928362.1529	158.807	12.118	0.14	18.15	18.37*	
-2170	2	14	928509.8995	308.189	169.428	0.74	10.12	11.55	12.98
-2168	7	18	929395.1492	96.723	4.681	0.74	18.34	19.02*	
-2162	9	10	931639.9353	149.361	176.178	0.90	10.84	12.58	14.31
-2161	8	30	931993.9194	138.108	183.541	0.09	10.55	11.32	12.09
-2160	2	24	932171.9299	317.609	12.823	0.09	11.75	12.33	12.90
-2159	7	9	932673.1316	87.831	169.356	0.44	18.30	18.98	19.03*
-2158	6	29	933027.8469	77.691	177.912	1.00	8.47	9.82	11.17
-2158	12	23	933204.8713	255.111	4.938	0.49	8.40	9.95	11.50
-2151	2	14	935449.8864	308.570	177.280	0.03	10.56	10.97	11.39
-2148	12	2	936836.9896	234.456	176.652	0.03	13.99	14.38	14.76
-2146	5	18	937368.8044	37.636	7.938	0.71	7.09	8.40	9.71
-2145	10	2	937871.1421	171.616	168.413	0.36	17.77	18.17*	
-2132	8	9	942565.8129	118.156	3.573	0.84	7.04	8.22	9.40
-2131	12	24	943068.0141	256.696	168.769	0.51	14.33	15.63	16.94
-2129	6	9	943600.0144	58.672	358.947	0.68	14.97	16.30	17.63
-2125	3	28	944987.8897	349.037	2.937	0.49	10.63	11.77	12.90
-2120	1	3	946729.8079	266.163	12.418	0.21	7.26	8.06	8.85
-2119	5	19	947231.8798	39.120	171.609	0.09	10.27	11.05	11.83
-2118	5	8	947586.0532	28.587	179.939	0.63	16.18	17.25	18.33

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2118	11	2	947764.0006	203.490	4.319	0.38	13.71	14.90	16.09
-2116	3	18	948265.8958	340.198	167.622	0.17	10.78	11.57	12.37
-2114	8	20	949151.1567	128.981	3.158	0.21	18.45	18.78*	
-2108	10	12	951395.9229	182.571	175.663	0.94	10.09	11.85	13.60
-2107	10	1	951749.8947	171.126	182.825	0.15	9.30	10.20	11.10
-2106	3	28	951927.8959	349.420	10.819	0.27	10.38	11.34	12.29
-2105	8	11	952429.1302	119.903	167.613	0.45	17.88	18.57	18.87*
-2104	7	31	952783.8278	109.559	175.949	0.49	7.75	8.86	9.96
-2103	1	24	952960.8571	288.117	4.241	0.24	8.64	9.79	10.94
-2097	3	19	955205.8549	340.549	175.490	0.47	8.89	10.16	11.42
-2093	1	4	956593.0680	267.861	176.399	0.43	16.28	17.07*	
-2091	6	8	957478.7287	58.212	13.349	0.05	5.85	6.15	6.45
-2086	8	11	959369.1663	120.316	175.456	0.19	18.61	18.87*	
-2078	9	11	962321.8586	150.871	2.545	0.98	8.29	9.66	11.03
-2076	1	26	962824.0152	289.698	168.082	0.11	15.01	15.64	16.27
-2075	7	11	963355.8546	90.100	356.520	0.08	9.56	10.27	10.98
-2074	6	30	963709.8790	79.289	4.365	0.55	8.98	10.62	12.27
-2071	4	29	964743.8386	20.421	0.429	0.06	9.81	10.24	10.66
-2066	2	4	966485.8336	299.022	11.580	0.65	7.62	8.95	10.27
-2065	6	21	966987.6926	70.321	168.939	0.11	5.04*	5.35	5.81
-2064	6	9	967341.9109	59.787	177.275	0.81	10.70	12.42	14.14
-2064	12	4	967520.0672	237.146	4.321	0.56	16.20	17.25*	
-2057	1	26	969763.7690	289.825	175.923	0.60		6.86*	7.83
-2056	7	10	970295.1606	89.303	3.607	0.31	18.72	19.03*	
-2055	11	25	970797.8966	227.575	168.278	0.15	10.56	11.48	12.41
-2054	11	14	971151.9388	216.128	175.526	0.58	10.55	12.25	13.95
-2052	4	29	971683.8180	20.775	8.331	0.84	7.81	9.02	10.23
-2050	9	2	972539.8549	142.065	174.680	0.28	8.84	9.78	10.72
-2043	4	20	974961.7718	12.001	173.141	0.88	6.50	7.65	8.80
-2042	4	9	975316.1131	1.589	181.705	0.19	17.79	18.07*	
-2039	2	5	976349.1097	300.704	175.555	0.08	17.19	17.23*	
-2031	3	8	979302.0951	331.109	2.204	0.56	16.96	17.61*	
-2031	9	2	979479.7178	142.311	182.581	0.39	5.39*	5.49	6.29
-2028	12	26	980690.7672	259.434	4.195	0.68		6.91*	7.87
-2027	12	15	981044.8617	248.126	11.633	0.25	8.50	9.69	10.88
-2025	5	1	981547.0689	22.416	172.282	0.12	17.29	17.77	18.26
-2024	10	13	982077.9527	184.199	2.169	0.29	11.99	12.99	14.00
-2020	8	1	983465.7362	111.046	2.263	0.64	5.05*	6.05	7.10
-2012	3	8	986241.8157	331.209	10.022	0.91	7.38	8.67	9.96
-2010	7	12	987097.8128	91.268	174.981	0.47	7.24	8.38	9.53
-2005	10	14	989017.9856	184.609	9.998	0.61	13.03	14.27	15.52
-2003	2	27	989519.7743	322.237	174.563	0.54	6.51*	7.26	8.24
-2002	8	12	990051.0378	121.769	1.735	0.50	15.13	16.29	17.45
-2001	12	28	990553.9299	261.039	168.062	0.44	11.03	12.65	14.26
-2000	12	16	990907.9485	249.661	175.344	0.36	11.32	12.90	14.48
-1999	6	11	991085.0874	62.099	356.914	0.15	17.51	18.01	18.50
-1998	6	1	991439.7163	51.984	5.673	0.59	5.42	6.29	7.16
-1996	10	4	992295.9264	175.220	174.102	0.84	10.81	12.19	13.57
-1992	7	22	993683.1214	101.886	174.310	0.74	17.61	18.50	19.00*
-1989	5	23	994717.6553	43.208	170.514	0.43		5.32*	5.72
-1988	5	11	995071.9362	32.789	179.013	0.77	11.79	13.55	15.32
-1985	3	10	996105.0969	332.900	173.934	0.39	17.13	17.64*	
-1980	7	8	998052.0174	62.405	4.830	0.35	15.27	16.22	17.16
-1977	5	7	999084.9767	2.660	359.933	0.75	13.61	14.96	16.31
-1977	11	1	999262.7463	175.414	181.997	0.65	5.89*	6.18	7.19
-1973	2	24	1000473.7708	292.421	3.490	0.25	6.84*	6.87	7.70
-1972	2	13	1000827.8416	281.276	11.067	0.52	7.48	9.00	10.52
-1970	12	12	1001861.0773	217.873	2.181	0.04	17.09	17.38	17.48*
-1961	12	3	1005139.0296	208.428	166.155	0.41	14.92	15.87	16.81
-1958	5	7	1006024.7523	2.833	7.775	0.72	6.15	7.15	8.15
-1956	9	9	1006880.7640	123.325	173.227	0.09	6.25	6.70	7.15
-1955	2	7	1007032.0924	303.266	3.102	0.44	16.78	17.26*	
-1951	11	15	1008774.1034	218.274	10.016	0.52	16.90	17.48*	
-1949	4	1	1009275.7386	354.019	172.538	0.83	6.05*	6.67	7.65

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1948	9	13	1009806.9828	154.409	0.625	0.24	13.06	14.17	15.28
-1946	1	29	1010309.9135	293.987	167.298	0.25	10.76	12.09	13.41
-1945	1	18	1010663.9237	282.788	174.739	0.47	10.53	12.31	14.10
-1942	11	6	1012052.0307	208.806	174.020	0.41	14.70	15.72	16.73
-1939	4	10	1012937.7610	3.218	15.649	0.09	6.80	7.20	7.61
-1938	8	24	1013439.0985	134.155	172.825	0.79	16.69	17.64	18.60
-1937	8	14	1013793.6868	123.629	181.147	0.33		5.17*	5.62
-1934	6	13	1014827.7516	63.944	176.306	0.78	5.71	6.87	8.04
-1934	12	7	1015004.8263	240.329	2.180	0.27	7.78	8.59	9.41
-1931	4	11	1015861.0500	4.514	171.724	0.04	16.70	16.99	17.29
-1926	7	14	1017780.9277	93.920	2.529	0.75	11.08	12.73	14.38
-1923	11	6	1018991.8048	208.954	181.887	0.42	6.65	7.63	8.62
-1918	2	18	1020556.7629	313.793	9.798	0.74	6.62*	6.78	8.05
-1916	6	23	1021413.0276	74.376	175.464	0.78	15.42	16.68	17.94
-1915	12	7	1021944.8459	240.726	10.027	0.56	8.11	9.29	10.48
-1912	4	11	1022801.0859	4.924	179.567	0.72	16.91	17.80	18.12*
-1911	9	24	1023331.8855	165.394	8.007	0.23	9.58	10.60	11.62
-1906	11	28	1025222.7688	231.270	174.038	0.43	6.68*	7.14	7.98
-1904	5	12	1025753.6752	34.113	5.187	0.29	5.44*	5.45	6.04
-1901	3	12	1026788.0021	335.364	1.365	0.88	14.29	15.61	16.93
-1895	5	3	1029031.6762	25.384	170.051	0.71		5.57*	6.22
-1891	2	19	1030419.8433	315.286	173.456	0.74	7.64	9.23	11.03
-1889	7	25	1031305.7767	104.474	9.432	0.07	6.32	6.75	7.18
-1886	5	23	1032338.9844	44.514	4.311	0.38	14.00	15.01	16.02
-1885	5	13	1032693.7030	34.515	13.046	0.47	5.44*	5.92	6.65
-1884	9	25	1033195.1382	167.102	172.064	0.61	17.60	18.24*	
-1883	9	15	1033549.7391	156.389	180.140	0.95	5.60*	6.13	7.09
-1876	5	3	1035971.7118	25.808	177.859	0.02	5.98	6.17	6.37
-1872	8	15	1037536.8678	125.992	0.793	0.84	8.42	10.04	11.67
-1871	8	4	1037891.0692	115.146	8.806	0.34	16.43	17.32	18.20
-1871	12	30	1038038.8945	264.428	165.986	0.23	10.40	11.34	12.28
-1861	7	15	1041522.8902	95.101	180.984	0.66	9.24	11.09	12.95
-1860	1	9	1041700.9366	274.117	9.751	0.86	11.21	12.75	14.29
-1858	5	14	1042557.0242	36.217	176.992	0.90	15.27	16.37	17.48
-1857	10	27	1043087.9583	198.947	7.827	0.92	11.73	13.31	14.90
-1852	12	30	1044978.8591	264.771	173.880	0.78	8.24	9.61	10.99
-1848	10	17	1046365.8611	189.376	171.901	0.17	9.32	10.09	10.85
-1846	4	2	1046897.9001	356.139	6.991	0.62	10.09	11.71	13.32
-1844	8	5	1047754.1660	116.662	172.618	0.44	18.48	18.90*	
-1837	3	24	1050175.7058	347.132	171.458	0.54		6.15*	6.77
-1832	6	24	1052094.9183	75.854	1.758	0.91	11.03	12.51	13.99
-1831	6	14	1052449.6399	65.796	10.410	0.19		5.07*	5.20
-1829	4	24	1053129.1304	17.277	358.125	0.07	18.26	18.31*	
-1829	10	18	1053305.8371	189.746	179.761	0.75	7.74	8.87	10.00
-1825	2	10	1054516.9887	306.566	0.936	0.38	14.14	15.03	15.93
-1822	6	5	1055727.6420	57.059	175.225	0.13		5.16*	5.26
-1818	9	17	1057292.8611	158.712	359.830	0.56	8.17	9.60	11.04
-1817	9	6	1057646.9937	147.583	7.491	0.55	13.39	14.82	16.25
-1807	8	16	1061278.7796	127.118	179.167	0.96	5.70	6.99	8.29
-1806	2	10	1061456.5743	306.930	8.826	0.49	12.97	14.12	15.27
-1804	6	15	1062312.9554	67.502	174.395	0.39	13.10	14.19	15.27
-1803	11	28	1062844.0527	232.528	7.872	0.98	15.48	16.65	17.30*
-1797	2	1	1064734.9003	297.763	173.164	0.69	9.88	11.47	13.07
-1794	11	19	1066121.5623	223.043	171.872	0.88	12.03	13.50	14.98
-1792	5	4	1066653.7090	27.373	4.322	0.26	5.54*	6.12	6.86
-1790	9	7	1067510.0819	149.117	171.271	0.87	16.18	17.34	18.50
-1786	12	20	1069075.0688	254.811	0.043	0.01	17.08	17.11*	
-1785	6	16	1069252.8337	67.760	182.308	0.17	8.64	9.44	10.24
-1782	4	14	1070285.7674	7.977	177.327	0.17	6.80	7.46	8.11
-1778	7	27	1071850.8898	107.597	359.653	0.73	9.74	11.16	12.58
-1775	5	26	1072884.9396	48.403	355.354	0.09	13.30	14.04	14.79
-1774	5	15	1073238.9731	37.750	3.368	0.49	13.35	14.78	16.22
-1771	3	14	1074272.9954	338.724	359.265	0.52	14.33	15.32	16.30
-1767	12	20	1076014.7787	254.909	7.814	0.74	6.89*	7.23	8.30

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1764	4	24	1076871.0577	18.414	176.467	0.77	16.29	17.36	18.33*
-1764	10	19	1077048.8929	192.020	359.482	0.11	9.77	10.56	11.36
-1763	10	8	1077402.9680	180.665	6.852	0.84	11.91	13.71	15.52
-1759	7	27	1078790.9271	108.010	7.492	0.04	12.07	12.50	12.93
-1753	9	18	1081034.7375	159.807	178.100	0.70	5.65*	5.90	6.97
-1752	3	14	1081212.9526	339.060	7.174	0.51	12.32	13.53	14.73
-1743	3	5	1084490.8806	330.078	171.737	0.90	9.36	10.99	12.63
-1740	12	21	1085878.0669	256.645	171.808	0.97	16.00	17.08	17.10*
-1737	5	26	1086763.7217	48.010	9.889	0.71	5.28	6.23	7.19
-1736	10	9	1087266.0490	182.217	170.579	0.82	15.11	16.45	17.79
-1731	1	21	1088831.0828	287.949	359.501	0.18	16.90	17.13*	
-1731	7	18	1089008.7332	99.296	180.039	0.46	5.23	6.12	7.01
-1728	5	16	1090041.6461	39.210	174.744	0.08		5.37*	5.42
-1724	8	28	1091606.9114	139.957	358.218	0.29	10.62	11.65	12.68
-1720	6	16	1092994.7827	68.908	0.630	0.23	7.14	7.97	8.81
-1717	4	16	1094028.9562	10.314	356.984	0.24	13.53	14.34	15.15
-1716	9	28	1094559.7169	170.880	185.611	0.01		5.82*	5.85
-1713	7	29	1095594.0371	109.930	179.384	0.22	15.32	16.08	16.84
-1712	1	22	1095770.8440	288.100	7.323	0.67	7.99	9.33	10.67
-1710	5	27	1096626.9377	49.614	173.846	0.28	12.46	13.57	14.67
-1709	11	10	1097158.9733	214.182	6.647	0.78	12.14	13.99	15.84
-1705	8	29	1098546.9396	140.363	6.060	0.58	11.47	12.80	14.13
-1703	1	12	1099048.7910	278.823	171.549	0.72	6.91*	7.68	8.75
-1702	6	27	1099580.0607	79.349	359.793	0.52	16.35	17.41	18.47
-1699	10	20	1100790.7544	193.094	177.691	0.63	6.16*	6.49	7.54
-1698	4	16	1100968.8752	10.614	4.904	0.93	9.64	11.09	12.53
-1693	1	22	1102710.8430	288.475	15.188	0.16	8.53	9.24	9.95
-1691	5	27	1103566.8476	49.904	181.759	0.14	9.44	10.12	10.80
-1689	4	7	1104246.7995	1.768	169.642	0.53	7.21	8.37	9.53
-1688	3	26	1104601.0345	351.196	177.949	0.90	15.36	16.63	17.91
-1682	11	11	1107022.0581	215.727	170.378	0.82	15.51	16.86	17.51*
-1677	2	23	1108587.0472	320.471	358.240	0.42	15.97	16.87	17.46*
-1677	8	20	1108764.6681	131.392	178.357	0.06		5.25*	5.28
-1668	9	8	1112072.1242	151.519	13.621	0.05	17.89	18.21	18.48*
-1665	7	8	1113104.9054	85.809	6.591	0.12	10.79	11.58	12.37
-1661	4	27	1114493.7570	21.035	11.683	0.44	6.06	7.03	8.01
-1659	8	30	1115349.9897	142.238	177.951	0.45	13.09	14.30	15.51
-1658	2	23	1115526.8668	320.661	6.149	0.59	9.26	10.57	11.87
-1655	12	12	1116914.9898	247.745	6.551	0.78	13.24	14.92	16.59
-1654	12	1	1117268.9970	236.288	13.733	0.08	14.07	14.73	15.38
-1651	9	30	1118302.9977	173.378	5.346	0.73	13.39	14.66	15.93
-1649	2	14	1118804.8342	311.601	170.565	0.93	7.84	9.16	10.49
-1648	7	29	1119335.9229	111.015	357.601	0.34	10.95	12.42	13.88
-1645	11	22	1120546.8034	226.702	177.623	0.93	6.63*	7.78	8.99
-1644	5	18	1120724.7591	41.852	2.277	0.13	7.00	7.55	8.10
-1642	9	21	1121580.9273	164.051	169.550	0.06	12.23	12.72	13.21
-1639	2	23	1122466.8817	321.067	13.974	0.19	9.84	10.64	11.45
-1638	7	9	1122968.1484	91.464	170.599	0.55	18.50	19.03*	
-1637	6	29	1123322.7881	81.274	179.246	0.64	6.86	7.89	8.92
-1635	5	9	1124002.6715	33.054	167.094	0.12		5.46*	5.73
-1634	4	28	1124356.8589	22.534	175.411	0.95	8.67	10.42	12.17
-1634	10	22	1124533.7217	195.304	357.339	0.13		6.19*	6.44
-1628	12	13	1126778.0759	249.283	170.257	0.49	16.33	17.15*	
-1626	5	29	1127310.0517	52.243	1.398	0.92	16.12	17.26	18.40
-1623	3	27	1128342.9742	352.336	356.329	0.09	14.51	15.05	15.59
-1622	9	10	1128874.7239	152.953	184.908	0.07		5.55*	5.91
-1619	7	9	1129908.1104	91.807	178.501	0.19	17.64	18.14	18.64
-1616	5	8	1130942.1287	32.914	174.508	0.17	18.38	18.54*	
-1615	10	22	1131473.7240	195.683	5.195	0.41		6.20*	6.67
-1611	8	9	1132860.8487	121.724	4.702	0.53	7.97	9.25	10.53
-1605	10	2	1135105.9824	175.209	177.165	0.36	12.62	13.83	15.04
-1604	3	27	1135282.8377	352.593	4.210	0.38	8.86	9.88	10.89
-1600	1	14	1136670.9750	280.991	6.078	0.90	12.86	14.51	16.16
-1597	11	2	1138059.0930	206.887	5.198	0.51	16.78	17.64*	

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1595	3	18	1138560.8313	342.717	168.874	0.56	8.18	9.34	10.50
-1594	8	31	1139091.8505	143.310	356.123	0.04	8.89	9.34	9.80
-1591	12	24	1140302.8545	260.239	177.503	0.33	8.05	9.13	10.22
-1589	6	9	1140834.8419	62.559	8.011	0.31	8.11	9.19	10.27
-1588	10	23	1141337.0018	197.423	169.239	0.70	13.69	14.98	16.27
-1585	3	28	1142227.8709	353.003	12.057	0.26	9.60	10.46	11.32
-1584	8	10	1142724.2125	123.414	168.750	0.55	17.36	18.17	18.84*
-1583	7	31	1143078.7650	113.061	177.176	0.84	5.89	6.91	7.93
-1580	5	30	1144112.6604	53.660	172.649	0.60		5.19*	5.79
-1576	3	18	1145500.8653	344.141	176.679	0.32	9.55	10.58	11.61
-1574	8	20	1146386.1159	132.834	12.121	0.27	17.45	18.05	18.66
-1573	1	15	1146534.0602	282.526	169.743	0.21	16.23	17.02	17.10*
-1572	6	30	1147065.9273	83.555	358.868	0.65	11.28	12.93	14.59
-1571	6	19	1147420.1153	72.968	7.135	0.35	18.08	18.87	18.97*
-1565	8	11	1149664.1027	123.786	176.637	0.22	17.08	17.64	18.19
-1564	7	31	1150018.7924	113.466	185.026	0.00	7.66	7.66	7.66
-1561	5	30	1151051.9717	53.382	179.754	0.73	13.19	14.79	16.39
-1561	11	24	1151229.8293	229.349	5.227	0.89	7.43	8.69	9.95
-1557	9	11	1152616.8562	154.297	3.547	0.80	8.09	9.51	10.93
-1551	11	3	1154862.0143	208.660	176.935	0.06	14.59	15.11	15.63
-1546	2	15	1156426.9047	313.658	4.926	0.63	10.39	12.12	13.85
-1541	4	20	1158316.7897	15.289	166.590	0.07	7.79	8.19	8.59
-1536	1	26	1160058.8761	293.352	176.930	0.11	9.46	10.24	11.02
-1535	7	11	1160590.6659	93.919	5.485	0.52		4.98*	5.50
-1534	11	25	1161093.0938	231.075	169.242	0.45	16.77	17.32*	
-1532	5	9	1161624.0936	34.456	0.904	1.01	17.25	18.18	18.56*
-1531	4	29	1161978.8211	24.452	9.616	0.63	7.98	9.05	10.12
-1530	9	12	1162480.1365	156.023	167.603	0.58	17.69	18.41*	
-1529	9	2	1162834.7908	145.467	175.768	0.37	6.73	7.58	8.44
-1524	12	4	1164754.9066	240.665	13.012	0.18	10.35	11.43	12.52
-1522	4	20	1165256.8192	15.707	174.402	0.83	7.89	9.12	10.35
-1518	8	2	1166821.8220	115.293	356.761	0.10	8.08	8.72	9.36
-1517	7	22	1167175.9457	104.481	4.733	0.43	11.85	13.44	15.02
-1511	9	12	1169420.1458	156.415	175.470	0.12	18.12	18.40*	
-1510	9	2	1169774.8013	145.855	183.630	0.39	6.78	7.70	8.63
-1507	7	1	1170807.8023	84.654	177.164	0.91	6.66	8.04	9.43
-1507	12	26	1170985.9226	262.920	5.156	0.38	11.05	12.36	13.66
-1504	4	30	1171842.1311	26.146	173.568	0.08	18.39	18.44*	
-1503	10	13	1172372.9214	187.505	3.084	0.57	10.44	11.84	13.24
-1498	12	17	1174263.8146	253.478	169.201	0.13	7.92	8.56	9.20
-1497	12	6	1174618.0538	242.268	176.870	0.15	16.17	16.88	17.20*
-1492	3	19	1176182.7823	345.648	3.075	0.04	7.51	7.91	8.30
-1489	7	12	1177393.0860	95.169	176.372	0.61	16.78	17.77	18.76
-1485	5	1	1178781.9799	26.379	181.473	0.40	13.82	14.98	16.14
-1484	10	13	1179312.9070	187.871	10.958	0.16	10.73	11.51	12.29
-1482	2	27	1179814.8530	325.835	175.680	0.36	8.65	9.86	11.07
-1478	6	11	1181380.0286	65.719	358.265	0.55	15.43	16.41	17.40
-1477	6	1	1181734.7519	55.703	6.970	0.94	6.14	7.11	8.08
-1475	4	10	1182414.0405	6.943	354.430	0.04	16.73	17.08	17.43
-1475	10	4	1182590.8672	178.525	175.067	0.63	8.94	10.13	11.32
-1474	3	30	1182768.0658	356.178	2.327	0.60	16.35	17.43	17.99*
-1469	1	6	1184510.9374	274.071	12.757	0.26	11.29	12.57	13.85
-1468	5	22	1185012.7443	46.980	171.818	0.74	5.95	6.91	7.88
-1463	8	23	1186931.8275	136.557	2.983	0.78	6.81	8.33	9.86
-1461	12	28	1187788.7328	264.567	176.699	0.07		6.92*	6.95
-1459	6	11	1188320.0593	66.140	6.084	0.31	16.57	17.31	18.05
-1456	10	4	1189530.8562	178.893	182.943	0.25	8.37	9.23	10.09
-1453	8	3	1190563.6807	116.364	175.046	0.46		5.10*	5.58
-1452	1	28	1190741.9740	296.044	4.594	0.75	13.14	14.46	15.79
-1450	6	2	1191598.0516	57.392	170.956	0.08	16.97	17.36	17.75
-1449	11	15	1192129.0235	221.119	3.055	0.12	15.28	15.87	16.46
-1445	3	10	1193340.0561	336.792	182.991	0.01	16.74	16.88	17.02
-1445	9	3	1193517.1356	147.396	2.572	0.17	18.01	18.53*	
-1444	8	22	1193871.1555	136.273	10.099	0.43	18.16	18.69*	

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1443	1	18	1194019.8652	286.746	168.801	0.55	8.71	10.17	11.64
-1442	1	7	1194374.0670	275.641	176.548	0.52	16.23	17.08*	
-1440	11	5	1195406.9531	211.658	167.056	0.30	12.47	13.47	14.48
-1437	4	10	1196292.8626	6.572	9.044	0.55	8.99	10.28	11.57
-1435	8	13	1197148.9872	127.070	174.485	0.84	13.34	14.74	16.15
-1431	6	2	1198537.8429	57.573	178.818	0.68	8.30	9.76	11.22
-1430	11	15	1199069.0263	221.505	10.898	0.70	14.55	15.70	16.85
-1428	3	31	1199570.7853	357.691	173.737	0.72	6.75	7.92	9.09
-1424	7	13	1201135.9828	97.230	355.875	0.03	14.38	14.66	14.95
-1423	7	3	1201490.6855	87.088	4.462	0.58	4.98*	5.28	6.04
-1421	11	6	1202346.9789	212.070	174.882	0.39	12.82	13.89	14.96
-1420	5	1	1202523.8909	27.502	359.746	0.42	10.69	12.10	13.50
-1417	3	1	1203558.0741	328.247	355.388	0.12	17.03	17.47	17.57*
-1416	8	13	1204088.6819	127.164	182.249	0.08		5.21*	5.32
-1415	2	7	1204266.9128	306.942	11.884	0.28	10.39	11.68	12.97
-1414	6	24	1204768.6624	78.285	169.255	0.23		5.00*	5.33
-1413	6	13	1205123.1268	67.990	177.931	0.47	18.12	18.92	18.94*
-1413	12	7	1205299.7610	243.579	3.056	0.67		6.81*	7.74
-1410	4	11	1206156.0869	8.199	172.952	0.21	17.44	18.04	18.17*
-1409	9	25	1206687.7695	169.295	1.978	0.94	5.79*	6.67	7.91
-1405	7	14	1208076.0035	97.627	3.732	0.80	14.20	15.42	16.63
-1398	3	1	1210497.9630	328.519	3.304	0.87	12.83	14.20	15.56
-1394	12	7	1212239.7754	243.971	10.900	0.19	6.81*	7.27	7.87
-1391	4	11	1213096.0201	8.510	180.855	0.48	15.09	16.04	17.00
-1391	10	5	1213273.0923	180.353	1.769	0.01	17.51	17.69	17.87
-1390	9	24	1213627.1213	169.036	9.115	0.77	17.16	18.20	18.21*
-1389	2	20	1213775.8554	319.407	167.729	0.34	8.73	9.98	11.23
-1388	2	9	1214130.0252	308.478	175.621	0.89	14.85	16.19	17.32*
-1386	12	8	1215163.0701	245.344	167.050	0.34	16.32	17.12	17.18*
-1385	11	28	1215517.7273	234.538	174.878	0.18		6.72*	6.90
-1383	5	12	1216048.7426	37.871	6.456	0.70	5.94	6.93	7.92
-1381	9	15	1216904.9488	159.652	173.276	0.68	11.74	13.22	14.70
-1377	7	5	1218293.7062	88.896	176.308	0.86	4.97*	5.53	6.52
-1374	5	3	1219326.6923	29.088	171.313	0.90	5.51*	5.68	6.60
-1368	7	24	1221601.1212	108.416	10.917	0.15	18.02	18.53	18.97*
-1367	12	8	1222103.1023	245.757	174.876	0.07	17.13	17.18*	
-1365	5	23	1222634.0386	48.267	5.578	0.18	16.16	16.83	17.50
-1362	9	15	1223844.7018	159.787	181.124	0.45		5.65*	6.09
-1361	3	12	1224022.8232	339.136	10.271	0.69	7.34	8.80	10.26
-1359	7	15	1224878.9959	99.426	175.539	0.84	13.97	15.34	16.70
-1355	10	27	1226443.7558	202.612	1.547	0.80	6.30*	6.43	7.59
-1351	8	15	1227831.9780	129.630	1.928	0.72	12.88	14.20	15.52
-1350	12	30	1228333.8106	267.684	166.949	0.02	8.31	8.53	8.75
-1348	6	13	1228864.9899	69.046	356.121	0.21	14.47	15.41	16.34
-1344	4	2	1230253.8905	0.340	1.317	0.40	10.75	11.98	13.21
-1339	1	8	1231995.8831	277.440	10.667	0.85	9.24	10.70	12.15
-1337	5	14	1232851.9606	39.854	178.320	0.97	12.89	14.24	15.59
-1334	3	13	1233885.9199	340.639	173.973	0.89	10.80	12.67	14.54
-1331	12	30	1235273.8403	268.106	174.748	0.67	7.84	9.01	10.19
-1327	10	17	1236660.9755	192.850	177.779	0.91	12.41	13.94	15.48
-1314	8	26	1241357.0556	140.572	9.299	0.47	15.63	16.65	17.67
-1311	6	24	1242389.9365	79.543	3.005	0.66	11.64	13.14	14.64
-1308	10	17	1243600.7766	193.031	180.659	0.81	6.16*	7.14	8.16
-1307	4	13	1243778.6724	10.723	7.985	0.30		5.79*	6.08
-1305	8	17	1244634.8979	131.375	173.679	0.20	10.57	11.64	12.72
-1304	2	10	1244811.9129	309.959	7.008	0.10	11.91	12.53	13.15
-1304	8	5	1244988.9544	120.417	181.429	0.30	11.79	13.08	14.37
-1301	11	29	1246199.7714	236.189	1.440	0.50	6.74*	6.82	7.89
-1300	11	17	1246553.8457	224.777	8.750	0.47	7.91	9.19	10.47
-1297	9	17	1247587.9939	162.293	0.818	0.12	13.84	14.50	15.16
-1295	1	31	1248089.8834	300.805	166.298	0.30	9.91	10.95	12.00
-1289	4	24	1250362.9466	21.150	7.124	0.09	12.55	13.29	14.03
-1285	2	10	1251751.9479	310.373	9.843	0.52	11.99	13.16	14.33
-1283	6	15	1252607.8984	71.134	175.707	0.57	10.48	11.80	13.12

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1280	4	14	1253641.7571	12.206	171.676	0.80	5.87	7.11	8.35
-1276	2	1	1255029.9149	301.216	174.129	0.54	10.74	12.10	13.45
-1273	11	19	1256417.0414	226.435	172.704	0.67	15.09	16.33	17.37*
-1272	5	15	1256595.0502	42.095	357.911	0.55	16.19	17.25	18.31
-1264	6	15	1259547.9175	71.530	183.563	0.20	11.47	12.39	13.31
-1261	4	14	1260581.0792	11.933	178.798	0.82	16.79	17.89	18.23*
-1261	10	9	1260758.7008	184.403	0.496	0.18		6.02*	6.18
-1260	9	27	1261113.0369	173.386	8.395	0.80	14.69	16.02	17.34
-1257	7	27	1262145.8732	111.183	0.819	0.88	8.89	10.41	11.93
-1250	3	14	1264567.9214	342.227	0.452	0.27	12.10	12.99	13.88
-1250	9	7	1264744.8578	152.756	179.943	0.85	7.68	9.35	11.02
-1247	12	31	1265955.7814	269.646	1.220	0.10	6.92*	7.01	7.57
-1246	12	20	1266309.9045	258.361	8.716	0.96	9.60	11.42	13.25
-1237	12	11	1269587.7590	248.854	172.699	0.33	6.85*	6.86	7.67
-1235	5	26	1270119.7476	52.304	4.345	0.52	5.92	6.95	7.98
-1234	5	15	1270473.7883	41.654	12.372	0.08	7.15	7.64	8.13
-1231	3	14	1271507.9573	342.647	8.283	0.32	12.64	13.58	14.51
-1229	7	18	1272363.8552	102.678	173.355	0.08	9.41	9.93	10.45
-1222	3	5	1274785.9337	333.683	172.810	0.88	11.57	13.01	14.45
-1217	6	6	1276705.0147	62.679	3.423	0.54	14.98	16.27	17.57
-1211	7	28	1278949.1837	113.296	172.697	0.07	18.89	18.93*	
-1210	7	18	1279303.8517	103.054	181.232	0.67	8.27	9.62	10.98
-1207	5	16	1280336.9090	43.169	176.162	0.72	10.56	12.34	14.12
-1207	11	10	1280514.7817	217.937	0.383	0.43	6.52*	7.28	8.20
-1206	10	30	1280869.0579	206.743	8.079	0.93	15.47	16.77	17.64*
-1203	8	28	1281901.8647	143.417	359.273	0.54	8.62	9.91	11.20
-1197	10	21	1284146.8430	197.172	171.977	0.06	8.93	9.46	10.00
-1196	4	15	1284323.8879	13.911	358.253	0.01	11.83	12.02	12.21
-1196	10	9	1284500.8203	185.743	179.160	0.95	6.75	8.15	9.56
-1191	1	21	1286065.9353	291.606	8.261	0.89	11.21	12.86	14.50
-1185	3	16	1288311.0754	344.558	180.092	0.57	16.56	17.53	17.81*
-1184	8	28	1288841.8681	143.814	7.111	0.23	9.12	9.99	10.86
-1182	1	12	1289343.8162	282.252	172.406	0.92	7.03	8.33	9.63
-1177	4	16	1291263.9196	14.321	6.102	0.59	11.23	12.47	13.71
-1174	2	12	1292297.0628	312.513	0.068	0.71	16.18	17.27	17.38*
-1170	5	27	1293861.8603	53.624	183.017	0.02	10.23	10.50	10.77
-1170	11	21	1294039.7476	229.145	8.029	0.19		6.66*	7.08
-1168	4	6	1294541.8998	5.510	170.834	0.35	10.70	11.83	12.96
-1163	7	8	1296460.8226	93.976	0.787	0.62	7.28	8.71	10.14
-1158	4	16	1298203.7746	14.574	13.985	0.14	6.88	7.46	8.03
-1156	8	19	1299059.8179	135.095	179.446	0.96	6.99	8.28	9.58
-1153	6	18	1300092.7452	74.365	173.478	0.65	5.53	6.57	7.61
-1152	12	1	1300625.0903	240.355	7.995	0.44	16.66	17.22*	
-1145	1	23	1302869.0834	293.568	180.103	0.10	16.97	17.17*	
-1145	7	19	1303046.1018	104.493	0.023	0.15	17.53	18.11	18.70
-1144	7	7	1303400.1699	93.727	7.969	0.15	18.89	19.02*	
-1143	11	22	1303902.8642	230.722	171.824	0.47	8.63	10.03	11.44
-1142	11	11	1304256.8267	219.198	178.890	0.71	6.97	8.29	9.62
-1137	2	23	1305821.9261	324.249	7.165	0.82	11.13	12.63	14.13
-1135	6	28	1306678.0327	84.807	172.650	0.45	15.75	16.74	17.74
-1131	4	17	1308066.9680	16.160	177.885	0.92	13.06	14.60	16.14
-1130	9	30	1308597.9319	176.731	6.268	0.91	10.93	12.35	13.78
-1128	2	14	1309099.8378	315.105	171.545	0.98	7.82	9.26	10.71
-1123	5	18	1311019.8429	45.646	3.509	0.81	8.68	9.93	11.19
-1121	9	21	1311875.8962	167.466	170.478	0.04	11.14	11.52	11.90
-1120	3	16	1312052.9615	345.661	358.364	0.30	13.59	14.66	15.72
-1118	2	23	1312761.8077	324.508	15.067	0.19	7.55	8.26	8.96
-1116	6	28	1313617.7708	84.935	180.483	0.39	6.45	7.31	8.18
-1116	12	23	1313795.7757	262.690	7.904	0.67	6.91*	7.01	8.20
-1108	7	29	1316570.7540	114.848	6.522	0.54	5.28	6.27	7.26
-1105	5	29	1317605.1494	56.055	2.633	0.26	18.63	18.83*	
-1104	5	18	1317959.6476	45.838	11.393	0.14		5.29*	5.40
-1102	9	21	1318815.8313	167.781	178.380	0.85	7.42	8.71	10.01
-1098	7	9	1320203.0793	95.446	179.693	0.10	16.90	17.32	17.74

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1091	2	24	1322625.1209	326.246	178.969	0.04	17.54	17.54*	
-1091	8	20	1322801.9704	136.445	358.123	0.07	13.18	13.82	14.46
-1090	8	9	1323156.0579	125.504	5.919	0.89	15.64	16.81	17.99
-1089	12	25	1323658.8794	264.245	171.642	0.81	8.64	10.47	12.30
-1088	12	13	1324012.8469	252.775	178.762	0.29	7.68	8.73	9.78
-1083	3	27	1325577.8721	356.244	5.356	0.83	9.50	10.93	12.37
-1077	5	20	1327822.8184	47.402	175.281	0.92	7.47	8.90	10.33
-1076	5	8	1328176.9297	36.812	183.446	0.04	12.72	13.26	13.81
-1076	11	1	1328354.0363	210.183	6.015	0.56	15.04	16.08	17.13
-1074	3	18	1328855.8135	347.305	169.973	0.70	7.50	8.74	9.98
-1069	6	20	1330775.7582	76.915	0.899	0.21	6.63	7.25	7.88
-1067	10	23	1331631.9859	200.776	170.052	0.84	13.11	14.40	15.70
-1064	3	27	1332517.7929	356.556	13.238	0.41	7.16	8.05	8.94
-1062	7	31	1333373.7192	116.623	178.336	0.88	5.10*	5.68	6.62
-1061	1	25	1333551.7645	295.855	7.342	0.86		6.81*	7.99
-1059	5	30	1334408.0982	57.788	174.391	0.73	17.54	18.52	18.85*
-1059	11	23	1334584.7547	232.221	358.211	0.03		6.69*	6.88
-1057	11	2	1335293.9943	210.520	13.897	0.14	13.91	14.64	15.38
-1054	8	31	1336326.6843	147.046	4.937	0.12		5.46*	5.55
-1053	8	20	1336681.0913	136.353	13.187	0.01	17.37	17.50	17.63
-1051	6	30	1337361.0661	87.382	0.091	0.49	16.39	17.28	18.17
-1048	4	28	1338394.1049	27.659	355.218	0.06	18.20	18.46*	
-1048	10	23	1338571.8858	201.055	177.957	0.65	9.01	10.37	11.72
-1044	8	10	1339959.0445	127.316	177.733	0.28	15.33	16.07	16.81
-1043	2	4	1340137.0791	306.784	6.991	0.14	16.76	17.30*	
-1040	11	23	1341524.7827	232.641	6.008	0.86	6.70*	7.44	8.48
-1037	3	29	1342381.1138	358.274	177.161	0.56	17.54	18.02*	
-1036	9	10	1342912.0071	157.936	4.559	0.73	13.69	15.07	16.46
-1034	1	26	1343414.8531	297.390	171.012	0.79	7.86	9.64	11.43
-1033	1	15	1343768.8446	286.099	178.339	0.05	8.27	8.77	9.26
-1032	6	30	1344300.7912	87.495	7.909	0.40	6.51	7.47	8.44
-1029	4	29	1345333.7868	27.731	2.993	0.24	7.59	8.34	9.08
-1023	6	21	1347578.6535	78.601	172.615	0.38		5.00*	5.35
-1020	4	19	1348611.7523	18.940	167.786	0.29	6.40	7.13	7.87
-1014	7	11	1350886.0798	97.986	7.116	0.50	16.76	17.70	18.65
-1013	11	25	1351388.1020	234.417	170.017	0.30	17.00	17.28*	
-1011	5	9	1351919.0883	38.160	2.131	0.80	17.13	18.10	18.61*
-1010	4	29	1352273.7479	28.077	10.883	0.74	6.08	7.00	7.92
-1008	9	1	1353129.7200	148.910	176.806	0.62	5.49*	5.64	6.50
-1004	6	20	1354517.9931	78.354	179.776	0.59	13.84	15.28	16.71
-1001	4	20	1355551.7549	19.326	175.640	0.44	6.40	7.23	8.06
-999	9	21	1356437.1176	169.053	12.134	0.42	17.23	18.00	18.21*
-997	8	2	1357117.0021	119.084	357.953	0.07	14.59	15.05	15.51
-990	9	12	1359715.0645	159.825	176.441	0.14	15.94	16.48	17.01
-989	3	9	1359892.9852	339.106	5.478	0.46	13.52	14.80	16.07
-989	9	2	1360069.7420	149.327	184.629	0.19	5.61	6.18	6.74
-986	12	26	1361280.9006	266.260	5.964	0.46	10.17	11.45	12.74
-983	4	30	1362137.0715	29.789	174.816	0.61	16.76	17.64	18.50*
-982	10	13	1362668.0257	191.002	3.956	0.34	14.69	15.73	16.77
-980	2	28	1363170.7748	329.904	169.750	0.55	6.41*	7.35	8.59
-979	2	16	1363524.8049	318.861	177.370	0.13	7.19	7.90	8.60
-978	8	2	1364056.6662	119.135	5.699	0.15		5.12*	5.23
-977	12	17	1364558.8421	256.853	169.986	0.50	8.26	9.39	10.51
-964	4	30	1369077.0757	30.182	182.658	0.15	17.05	17.59	18.12
-961	2	27	1370110.1108	329.643	176.871	0.25	17.35	17.59*	
-960	8	12	1370641.9645	129.810	5.083	0.66	12.30	13.88	15.47
-957	6	11	1371674.9962	69.406	359.499	0.79	14.15	15.42	16.69
-956	5	31	1372029.6846	59.359	8.243	0.93	5.14*	5.46	6.28
-954	10	4	1372885.7781	181.853	175.989	0.43	6.46	7.33	8.19
-950	7	23	1374273.8173	109.803	177.330	0.68	6.73	8.20	9.66
-947	5	22	1375307.6959	50.654	173.072	0.95	5.23*	5.75	6.61
-946	11	4	1375838.7290	213.324	3.834	0.47		6.45*	6.94
-940	12	27	1378084.0276	268.232	177.800	0.10	15.59	16.18	16.76
-935	4	10	1379648.8326	10.796	3.281	0.43	8.43	9.74	11.05

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-935	10	4	1379825.8064	182.276	183.800	0.29	7.10	7.86	8.63
-934	3	30	1380002.8724	0.016	11.183	0.17	9.38	10.30	11.22
-933	8	14	1380505.0862	131.359	168.926	0.42	16.76	17.66	18.55
-932	8	2	1380859.1002	120.402	176.617	0.33	16.96	17.78	18.59
-931	1	27	1381036.9801	299.504	5.452	0.94	13.29	14.54	15.79
-929	6	2	1381893.0055	61.081	172.176	0.16	15.31	15.92	16.52
-928	11	14	1382424.0870	224.528	3.835	0.35	16.86	17.40*	
-925	3	21	1383280.7136	350.975	175.690	0.35		6.09*	6.68
-922	1	18	1384314.9294	290.227	169.665	0.78	11.10	12.63	14.17
-919	11	5	1385701.9592	215.018	167.832	0.40	12.48	13.72	14.95
-918	5	2	1385880.0157	31.896	354.340	0.02	16.12	16.38	16.63
-917	4	21	1386234.1060	21.250	2.439	0.57	17.61	18.37*	
-912	1	28	1387976.8499	299.756	13.357	0.34	8.27	9.44	10.61
-910	6	2	1388832.9867	61.442	180.059	0.67	13.79	15.05	16.32
-909	11	15	1389363.9354	224.767	11.705	0.50	11.25	12.58	13.91
-907	3	31	1389866.0048	1.551	174.974	0.57	14.51	15.76	17.01
-906	9	14	1390397.8984	162.253	3.754	0.88	9.16	11.00	12.83
-903	7	13	1391430.9243	100.853	357.051	0.32	11.44	12.56	13.69
-900	11	5	1392641.8767	215.328	175.713	0.87	9.00	10.28	11.56
-896	8	24	1394029.6928	141.796	175.468	0.22		5.39*	5.66
-895	8	13	1394383.8317	130.895	183.369	0.38	7.40	8.55	9.71
-892	12	6	1395594.8037	246.963	3.836	0.61	6.83*	7.85	9.00
-885	1	29	1397840.0534	301.395	177.268	0.64	15.80	16.89	17.24*
-884	7	13	1398370.9457	101.255	4.905	0.47	12.08	13.28	14.48
-880	5	1	1399758.7160	31.427	8.711	0.97	5.48*	6.13	7.17
-879	9	15	1400261.0079	163.808	167.566	0.15	14.79	15.54	16.29
-878	9	4	1400614.9966	152.612	174.990	0.78	13.24	14.71	16.18
-877	3	1	1400793.0107	332.120	4.289	0.71	14.41	15.50	16.59
-870	4	11	1403391.0055	12.164	182.019	0.28	14.80	15.66	16.52
-868	2	20	1404070.9665	323.031	168.733	0.16	13.29	14.05	14.82
-865	12	8	1405458.0496	248.669	167.823	0.42	15.67	16.64	17.16*
-863	5	23	1405989.9061	52.439	359.696	0.65	10.62	12.40	14.17
-858	3	1	1407732.8356	332.330	12.181	0.45	7.90	9.13	10.36
-856	7	4	1408588.8945	92.782	177.550	0.77	9.83	11.42	13.01
-855	12	17	1409120.0495	258.432	11.698	0.24	15.68	16.39	17.10
-853	5	3	1409621.8672	32.973	172.556	0.41	9.24	10.58	11.91
-852	10	16	1410153.8806	195.324	3.103	0.72	8.52	10.21	11.90
-846	12	8	1412397.9970	249.008	175.690	0.16	14.17	14.88	15.59
-841	9	15	1414139.7998	163.366	182.077	0.62	6.41	7.57	8.73
-837	1	8	1415350.8710	280.442	3.655	0.11	9.64	10.39	11.15
-831	3	2	1417596.0176	333.928	176.052	0.92	14.67	15.97	17.28
-830	8	15	1418126.9312	133.184	2.978	0.99	11.02	12.48	13.93
-825	10	18	1420016.9803	196.879	166.876	0.13	13.83	14.66	15.49
-824	10	6	1420370.9561	185.480	174.085	0.91	11.53	13.22	14.92
-823	4	2	1420548.9865	4.081	2.435	0.83	13.73	14.97	16.20
-819	7	15	1422113.8346	103.326	184.499	0.07	8.28	8.88	9.47
-818	1	8	1422290.7836	280.738	11.543	0.51	6.90*	7.44	8.41
-816	5	13	1423146.9220	43.542	179.537	0.72	11.32	12.79	14.27
-810	12	30	1425568.7393	271.384	175.600	0.30		6.92*	7.18
-808	6	13	1426099.8315	73.011	5.116	0.76	7.64	9.00	10.36
-804	4	2	1427488.7551	4.249	10.272	0.79	5.90	7.02	8.14
-802	8	6	1428344.8219	124.508	175.442	0.33	7.46	8.48	9.49
-799	6	4	1429377.7218	64.182	169.905	0.28	5.40	6.10	6.79
-798	11	18	1429909.8935	228.817	2.896	0.31	9.30	10.69	12.08
-797	11	7	1430263.8563	217.302	9.958	0.20	8.52	9.56	10.59
-791	1	9	1432154.1064	282.509	175.492	0.01	17.14	17.11*	
-791	7	5	1432330.9776	94.059	356.088	0.06	14.07	14.67	15.27
-790	6	24	1432685.1171	83.433	4.261	0.96	17.70	18.68	19.02*
-787	10	17	1433895.8284	196.483	181.471	0.48	7.32	8.40	9.48
-784	8	16	1434930.1405	135.205	174.885	0.37	17.84	18.55	18.70*
-783	2	9	1435106.9031	313.442	2.925	0.25	11.15	12.17	13.18
-777	4	4	1437351.9146	5.811	174.118	0.71	10.77	12.48	14.20
-776	3	23	1437705.9886	355.019	182.039	0.14	14.53	15.33	16.13
-776	9	16	1437882.9621	165.753	1.743	0.37	12.32	13.39	14.46

CY	CM	CD	JDN	L	P	PMA	TB	TM	TF
-774	1	31	1438384.8305	304.215	167.201	0.34	8.06	9.10	10.14
-771	11	19	1439772.9857	230.369	166.629	0.22	13.69	14.82	15.95
-770	11	8	1440126.9648	218.871	173.743	0.67	11.85	13.55	15.25
-769	5	5	1440304.9103	35.556	0.015	0.63	11.19	12.56	13.92
-765	8	17	1441869.7144	135.168	182.502	0.31	5.30*	5.34	6.12
-764	2	10	1442046.8514	313.769	10.817	0.83	8.40	9.73	11.07
-762	6	15	1442902.8392	74.807	176.933	0.89	8.14	9.47	10.80
-757	9	17	1444822.8916	166.062	9.637	0.00	10.80	10.92	11.03
-755	1	31	1445324.8238	304.589	175.060	0.41	7.64	8.63	9.62
-754	7	16	1445855.6989	104.405	2.657	0.51	5.01*	5.30	6.14
-748	9	7	1448100.7897	156.826	173.980	0.03	7.19	7.50	7.82
-744	6	25	1449488.1469	85.265	176.079	0.50	18.39	19.02*	
-744	12	20	1449665.9099	262.377	2.760	0.06	11.18	11.93	12.69
-743	12	9	1450019.8769	250.884	9.853	0.62	8.54	10.28	12.02
-736	7	26	1452441.0000	114.963	1.949	0.77	13.78	15.15	16.52
-732	5	15	1453829.9042	46.063	6.938	0.24	10.50	11.59	12.68
-730	9	18	1454686.1237	167.740	173.655	0.50	17.31	18.17	18.23*
-729	3	14	1454862.8918	345.796	1.491	0.27	10.97	11.95	12.92
-723	5	6	1457107.7605	37.196	171.645	0.64	6.07	7.19	8.32
-722	4	25	1457461.8161	26.519	179.653	0.10	8.28	8.97	9.66
-720	3	4	1458140.8469	336.780	166.004	0.08	9.24	9.79	10.35
-717	12	22	1459528.9964	263.916	166.455	0.08	14.47	15.16	15.85
-716	12	10	1459882.9982	252.462	173.640	0.60	13.66	15.16	16.66
-713	10	10	1460916.9843	185.582	165.323	0.03	14.35	14.64	14.93
-710	3	14	1461802.8681	346.163	9.350	0.76	9.24	10.51	11.78
-708	7	17	1462658.7768	106.289	174.512	0.42	6.35	7.23	8.11
-704	5	5	1464047.0856	36.933	178.774	0.71	17.07	18.15	18.59*
-703	10	19	1464578.9339	199.211	9.096	0.61	10.95	12.48	14.01
-701	3	5	1465080.8611	337.175	173.847	0.70	9.00	10.32	11.64
-699	8	6	1465966.1232	125.801	9.178	0.68	17.44	18.28	18.81*
-694	10	10	1467856.8029	189.783	173.205	0.05	7.71	8.11	8.50
-690	7	28	1469244.1004	116.876	173.822	0.74	16.88	17.75	18.62
-689	1	22	1469421.8966	295.627	2.269	0.05	11.33	11.98	12.64
-689	7	18	1469598.8112	106.704	182.350	0.44	7.30	8.28	9.27
-688	1	11	1469775.8868	284.292	9.554	0.81	8.90	10.81	12.72
-686	11	10	1470809.7765	221.312	1.105	0.51	6.56*	7.25	8.15
-682	8	28	1472196.9376	147.063	0.235	0.45	11.15	12.55	13.96
-678	6	17	1473585.7366	77.246	4.231	0.66	5.39	6.40	7.42
-663	8	28	1479136.7883	147.298	8.132	0.07	6.85	7.26	7.66
-661	1	12	1479639.0209	285.872	173.354	0.94	14.61	15.98	17.12*
-660	6	27	1480171.0122	87.676	3.346	0.74	14.57	15.94	17.31
-659	11	11	1480673.0771	223.075	165.113	0.13	16.78	17.32	17.42*
-656	4	15	1481558.8429	17.946	7.244	0.95	8.62	9.83	11.05
-650	6	7	1483802.8816	68.093	175.994	0.58	9.22	10.99	12.75
-649	11	21	1484335.0033	232.767	9.002	0.87	13.70	15.16	16.62
-647	4	6	1484836.8487	9.126	171.949	0.78	8.74	10.02	11.30
-645	9	8	1485722.1320	158.155	7.740	0.89	17.47	18.35	18.38*
-640	11	11	1487612.8499	223.228	172.964	0.53	8.26	9.54	10.82
-636	8	29	1489000.1007	149.045	172.151	0.77	16.67	17.57	18.47
-635	8	19	1489354.7967	138.673	180.458	0.89	6.54	7.67	8.80
-634	2	12	1489531.8583	317.204	8.717	0.93	8.25	9.98	11.70
-632	6	17	1490388.1506	78.487	175.092	0.46	18.54	19.00*	
-617	3	6	1495763.1262	339.040	0.593	0.01	17.77	17.73*	
-610	4	17	1498362.1285	20.011	179.055	0.33	18.05	18.35*	
-609	9	30	1498892.8332	180.099	7.164	0.37	7.88	8.85	9.81
-607	2	13	1499395.0057	318.785	172.527	0.54	14.28	15.50	16.73
-606	7	30	1499926.8595	119.206	0.994	0.86	7.94	9.67	11.41
-603	5	28	1500960.0691	59.346	355.972	0.09	17.10	17.52	17.93
-602	5	18	1501314.7888	49.327	4.717	0.69	7.21	8.21	9.21
-596	7	9	1503558.6970	99.363	173.375	0.53	4.99*	5.08	5.99
-595	6	28	1503912.8925	88.783	181.650	0.55	9.63	11.21	12.78
-595	12	23	1504091.0692	266.374	8.948	0.37	16.20	17.08*	
-593	5	9	1504592.7964	40.605	169.531	0.26	7.56	8.30	9.05
-587	7	29	1506866.1682	118.918	8.077	0.38	18.51	18.88*	

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-586	12	14	1507368.9027	256.842	172.893	0.82	9.52	11.29	13.07
-584	5	28	1507900.0985	59.756	3.817	0.77	17.37	18.25	18.87*
-583	5	18	1508254.7739	49.703	12.575	0.15	6.84	7.39	7.93
-582	10	1	1508756.1529	181.872	171.173	0.03	18.02	18.02*	
-581	9	21	1509110.8264	171.277	179.247	1.00	7.40	8.60	9.80
-580	3	16	1509287.7795	349.477	7.169	0.69	6.44	7.68	8.92
-578	7	20	1510143.9748	109.873	172.571	0.33	13.68	14.81	15.95
-577	1	14	1510321.9800	288.454	0.868	0.13	14.27	14.89	15.51
-574	5	9	1511532.7329	40.934	177.407	0.28	5.90	6.60	7.30
-570	2	24	1512920.0721	329.741	179.937	0.50	16.42	17.29	17.59*
-568	1	5	1513599.9036	279.073	164.989	0.06	11.19	11.76	12.34
-563	4	7	1515518.9810	10.851	358.514	0.59	13.86	15.26	16.65
-558	1	14	1517261.7625	288.618	8.726	0.78		6.86*	7.90
-556	5	19	1518118.0316	51.353	176.551	0.86	15.48	16.63	17.79
-555	11	1	1518648.9262	213.469	6.820	0.85	10.72	12.19	13.66
-553	3	18	1519150.9448	351.054	171.022	0.24	12.42	13.48	14.54
-552	8	31	1519682.7486	151.287	359.246	0.45	5.52*	6.23	7.22
-551	8	20	1520036.7487	140.223	6.803	0.32	5.37*	5.94	6.78
-548	6	19	1521070.7212	80.624	2.059	0.25	5.66	6.24	6.83
-546	10	23	1521926.8802	204.082	170.870	0.35	9.82	10.81	11.79
-543	3	27	1522812.7728	0.174	14.295	0.21	6.73	7.41	8.10
-541	7	31	1523668.7905	120.359	179.391	0.94	6.19	7.43	8.67
-536	11	1	1525588.9579	213.884	14.636	0.04	13.01	13.41	13.81
-533	8	31	1526622.0508	150.982	6.299	0.94	15.19	16.49	17.78
-531	1	15	1527124.9315	290.232	172.591	0.84	10.94	12.80	14.67
-530	6	30	1527656.0360	91.087	1.227	0.77	15.31	16.37	17.43
-529	6	20	1528010.6768	80.962	9.955	0.62		4.99*	5.71
-527	10	23	1528866.9016	204.489	178.709	0.37	9.84	10.90	11.95
-526	4	18	1529043.6602	21.154	4.994	0.00		5.63*	5.60
-523	2	15	1530078.0264	321.401	0.074	0.63	15.15	16.17	17.19
-519	5	30	1531642.9240	61.765	183.323	0.18	11.63	12.73	13.83
-516	3	28	1532676.0480	1.862	178.229	0.91	15.75	16.82	17.88
-508	4	28	1535628.9487	31.613	4.171	0.51	12.23	13.64	15.04
-506	9	1	1536485.1585	152.527	170.102	0.36	18.11	18.46*	
-504	2	16	1537017.7586	321.518	7.893	0.80	6.52*	6.80	8.00
-502	6	21	1537873.9160	82.599	173.943	0.21	11.52	12.55	13.58
-501	12	4	1538405.0438	247.130	6.789	0.89	15.38	16.47	17.17*
-499	4	19	1538906.8446	22.739	168.892	0.05	9.26	9.72	10.19
-492	11	24	1541682.9960	237.695	170.756	0.91	13.56	14.87	16.19
-489	4	29	1542568.7010	31.764	11.995	0.60	5.48*	5.80	6.62
-487	9	1	1543424.7460	152.506	177.736	0.68	5.54*	6.21	7.22
-480	4	19	1545846.6819	22.961	176.779	0.12		5.60*	5.85
-479	10	2	1546377.9973	183.709	5.252	0.68	13.23	14.79	16.34
-477	2	17	1546880.9078	323.097	171.712	0.77	10.18	12.02	13.86
-476	8	1	1547411.9950	122.743	359.001	0.24	13.94	14.75	15.55
-469	3	20	1549834.0143	353.691	358.564	0.61	14.90	15.97	17.05
-465	7	2	1551398.7453	92.991	180.655	0.32	5.53	6.38	7.24
-465	12	26	1551575.7869	269.549	6.729	0.84	6.92*	7.52	8.60
-462	4	30	1552431.9918	33.448	175.959	0.70	14.12	15.32	16.52
-457	8	2	1554351.8975	123.028	6.902	0.14	10.25	11.11	11.97
-456	12	16	1554853.7453	260.137	170.739	0.16		6.90*	7.22
-454	5	31	1555384.8077	62.853	1.533	0.43	7.64	8.70	9.76
-452	10	3	1556241.1214	185.286	169.080	0.53	17.30	17.96*	
-450	3	20	1556773.6898	353.757	6.323	0.22		6.05*	6.29
-449	3	9	1557127.7624	342.859	14.151	0.13	6.28	6.91	7.55
-447	7	12	1557984.0234	103.456	179.829	0.28	14.81	15.77	16.72
-446	12	26	1558515.8103	269.956	14.557	0.02	8.03	8.26	8.48
-443	4	30	1559372.0220	33.857	183.794	0.04	15.73	16.05	16.37
-437	12	17	1561793.7415	260.521	178.588	0.21		6.90*	7.10
-436	6	10	1561970.0958	73.259	0.646	0.61	17.27	18.20	18.97*
-433	10	4	1563180.7632	185.314	176.784	0.52	6.04*	6.85	7.79
-432	3	30	1563358.9858	4.362	5.643	0.26	13.82	14.82	15.83
-430	8	3	1564215.1113	124.664	170.884	0.82	17.17	18.12	18.82*
-425	11	4	1566133.9981	217.003	4.824	0.46	13.68	15.07	16.46

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-423	3	21	1566636.8179	355.302	170.103	0.54	7.44	8.81	10.18
-422	3	10	1566990.8396	344.358	177.803	0.14	8.63	9.52	10.42
-415	4	21	1569589.9445	25.386	356.405	0.18	13.20	14.03	14.85
-410	1	27	1571331.8815	302.865	6.316	0.54	9.72	11.00	12.28
-408	6	1	1572187.9221	64.753	173.386	0.19	11.91	12.78	13.65
-404	3	20	1573576.1308	355.016	177.186	0.02	18.01	17.97*	
-403	9	3	1574107.8503	155.202	5.280	0.49	7.95	9.24	10.53
-401	1	18	1574609.8476	293.590	170.450	0.91	8.21	9.55	10.90
-393	8	14	1577739.8772	135.179	177.663	0.73	8.58	10.34	12.10
-391	1	27	1578271.8914	303.269	14.143	0.20	10.02	10.92	11.83
-389	6	2	1579127.9572	65.176	181.198	0.55	12.66	13.89	15.13
-388	11	14	1579658.9370	228.163	12.394	0.34	11.38	12.67	13.95
-382	7	13	1581725.9802	104.622	358.150	0.33	13.43	14.52	15.62
-379	11	5	1582936.8330	218.680	176.444	0.98	7.62	8.85	10.08
-378	5	2	1583114.8385	35.843	3.239	0.65	8.36	9.78	11.20
-376	9	4	1583971.0474	156.836	169.251	0.56	15.38	16.45	17.52
-371	12	6	1585890.0300	250.580	4.719	0.64	15.09	16.35	17.14*
-369	4	23	1586392.6689	26.913	167.849	0.11		5.55*	5.73
-368	4	11	1586746.6942	16.144	175.725	0.39		5.71*	6.37
-363	7	13	1588665.8591	104.896	6.035	0.35	8.66	9.69	10.72
-360	5	12	1589700.1118	46.262	2.338	0.84	17.76	18.72*	
-356	3	1	1591087.9264	335.608	5.226	0.95	11.45	12.77	14.09
-350	4	22	1593331.9707	26.624	174.918	0.47	13.37	14.80	16.23
-349	10	6	1593863.8486	188.016	4.369	0.85	7.78	9.23	10.69
-348	9	24	1594218.0045	176.889	12.051	0.12	14.34	15.11	15.87
-347	2	19	1594365.9090	326.518	169.606	0.58	10.68	12.00	13.32
-345	7	24	1595251.1790	115.447	5.303	0.15	18.80	18.91*	
-339	9	15	1597495.7811	167.510	176.153	0.35	6.10	7.10	8.11
-338	9	4	1597849.7815	156.363	183.644	0.36	5.95	6.93	7.92
-336	7	14	1598529.1735	106.616	170.026	0.28	18.77	18.97*	
-335	7	4	1598883.8919	96.524	178.640	0.96	9.73	11.23	12.72
-334	12	17	1599415.0223	261.801	12.379	0.15	14.92	15.59	16.27
-328	2	20	1601305.8565	326.857	177.475	0.06	9.46	10.00	10.54
-325	12	8	1602692.9267	252.327	176.383	0.16	11.17	12.04	12.92
-323	5	23	1603224.6948	56.380	8.532	0.87	5.17*	5.47	6.46
-322	10	7	1603727.0290	189.650	168.303	0.51	14.79	15.97	17.16
-321	9	26	1604081.0955	178.430	175.812	0.20	16.82	17.55	18.07*
-316	1	8	1605646.0588	284.061	4.510	0.86	15.87	17.02	17.12*
-309	8	15	1608421.8313	136.735	4.011	0.70	7.51	8.71	9.90
-308	12	29	1608923.8844	274.559	168.479	0.47	9.41	10.94	12.47
-306	6	14	1609455.9247	77.437	359.590	0.76	10.94	12.82	14.71
-302	4	2	1610843.9233	7.698	3.445	1.00	11.45	12.77	14.10
-297	1	8	1612585.7394	284.130	12.248	0.01		6.88*	6.88
-296	5	24	1613087.7815	57.877	172.243	0.46	6.48	7.57	8.66
-295	5	13	1613442.0144	47.387	180.658	0.53	14.85	16.01	17.16
-295	11	7	1613619.8845	221.366	4.040	0.57	8.95	10.47	12.00
-294	10	27	1613973.9829	210.031	11.454	0.36	12.97	14.37	15.78
-285	10	18	1617251.7390	200.475	175.326	0.25		6.27*	6.95
-284	10	6	1617605.7391	189.132	182.626	0.52		6.10*	6.96
-283	4	2	1617783.8937	8.054	11.333	0.03	10.78	11.10	11.43
-282	8	16	1618285.1523	138.480	168.007	0.58	18.10	18.65*	
-281	8	6	1618639.8476	128.209	176.446	0.52	8.24	9.43	10.62
-280	1	30	1618816.7278	306.158	4.116	0.05		6.71*	6.73
-278	6	4	1619673.0525	68.265	171.335	0.16	16.88	17.52	18.16
-274	3	24	1621061.8304	359.100	175.941	0.48	8.14	9.35	10.56
-270	1	9	1622449.0181	285.860	176.224	0.45	14.79	15.80	16.81
-268	11	8	1623483.0465	222.999	167.912	0.47	15.46	16.61	17.42*
-267	10	28	1623837.0669	211.584	175.165	0.32	16.08	17.08	17.57*
-262	2	9	1625402.0564	317.107	3.823	0.64	15.82	16.88	17.42*
-255	9	16	1628177.8540	169.192	2.659	0.95	8.21	9.52	10.83
-253	1	31	1628679.9107	307.782	168.003	0.34	10.67	12.01	13.36
-251	7	5	1629565.7684	97.996	4.891	0.87	5.63	6.81	8.00
-248	5	4	1630599.8782	39.271	1.103	0.60	10.06	11.29	12.51
-243	2	9	1632341.7887	317.230	11.622	0.68	6.58*	7.69	8.83

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-241	6	15	1633197.8853	78.629	178.015	0.89	9.42	11.09	12.75
-241	12	10	1633375.9327	254.972	3.955	0.25	11.61	12.87	14.12
-240	11	28	1633729.9885	243.550	11.235	0.41	13.17	14.63	16.10
-234	1	31	1635619.7313	307.983	175.876	0.18		6.69*	6.86
-233	7	16	1636151.0464	108.469	4.072	0.95	15.43	16.70	17.96
-231	11	19	1637007.7373	233.902	175.003	0.27		6.71*	7.12
-230	11	8	1637361.7511	222.453	182.216	0.38		6.57*	7.20
-229	5	5	1637539.8147	39.591	9.004	0.58	7.58	8.67	9.77
-227	9	7	1638395.8422	160.459	174.866	0.33	8.34	9.31	10.28
-220	4	25	1640817.7472	30.760	173.776	0.85	5.86	6.93	8.00
-219	4	14	1641172.0129	20.223	182.158	0.28	15.04	16.03	17.02
-216	2	11	1642205.0799	318.950	175.590	0.87	16.46	17.43	17.45*
-214	12	11	1643239.0828	256.577	167.807	0.01	17.08	17.11*	
-213	11	30	1643593.0742	245.092	174.948	0.48	16.40	17.19*	
-208	3	13	1645158.0082	349.533	2.449	0.79	14.41	15.67	16.93
-206	7	17	1646014.1596	110.000	167.874	0.14	18.77	18.95*	
-202	5	6	1647403.0426	41.220	172.953	0.24	16.36	17.11	17.85
-201	10	19	1647933.9272	202.287	1.988	0.18	11.31	12.14	12.97
-194	6	6	1650355.8090	70.580	358.479	0.02	8.65	8.88	9.11
-189	3	14	1652097.7962	349.705	10.312	0.86	7.00	8.17	9.34
-187	7	17	1652953.7855	110.023	175.567	0.51	6.32	7.36	8.39
-186	1	11	1653131.9683	288.434	3.740	0.57	13.09	14.49	15.89
-186	12	31	1653485.5976	277.064	11.042	0.19	13.91	14.87	15.83
-182	10	19	1654873.9472	202.689	9.815	0.65	11.61	13.01	14.41
-180	3	4	1655375.7610	340.670	174.776	0.47	6.25*	7.06	7.96
-179	8	17	1655906.9108	140.229	1.960	0.89	9.67	11.57	13.47
-178	8	6	1656261.1681	129.531	10.159	0.31	18.46	18.76*	
-177	12	22	1656763.7464	267.458	174.816	0.41		6.92*	7.41
-175	6	6	1657295.7026	70.857	6.383	0.81	5.04*	5.67	6.58
-173	10	10	1658151.8815	193.350	173.980	0.67	9.35	10.66	11.96
-169	7	28	1659539.0927	120.580	174.828	0.60	16.64	17.54	18.43
-165	5	17	1660927.8368	51.561	179.580	0.45	8.14	9.50	10.86
-162	3	15	1661961.0925	351.424	174.243	0.47	17.12	17.90	17.91*
-158	1	1	1663349.0806	278.601	174.723	0.49	16.51	17.09*	
-157	6	17	1663880.9967	81.272	5.513	0.31	14.38	15.37	16.37
-154	4	15	1664913.9191	21.344	0.421	0.64	11.46	12.91	14.36
-147	5	27	1667513.1068	61.952	178.675	0.48	17.61	18.51	18.89*
-147	11	20	1667690.0370	235.831	1.814	0.00	16.36	16.46	16.55
-138	11	11	1670967.9912	226.410	165.803	0.33	13.85	14.82	15.80
-135	4	15	1671853.7569	21.577	8.297	0.90	6.25	7.26	8.27
-133	8	19	1672709.7276	141.875	173.563	0.11	5.39*	5.75	6.20
-132	2	13	1672887.9545	321.433	2.987	0.72	12.57	14.06	15.55
-131	2	1	1673241.9721	310.226	10.437	0.09	13.21	13.91	14.60
-128	11	20	1674630.0426	236.220	9.655	0.74	15.22	16.35	17.27*
-126	4	6	1675131.7460	12.719	172.988	0.82	5.95	6.93	7.91
-125	9	19	1675662.8384	172.617	0.550	0.63	7.36	8.79	10.21
-124	9	7	1676017.1322	161.748	8.591	0.89	17.45	18.32*	
-123	2	3	1676165.7517	312.063	167.071	0.02	6.64*	6.77	7.05
-122	1	23	1676519.7351	300.761	174.372	0.33		6.76*	7.12
-119	11	11	1677907.9583	226.763	173.677	0.60	11.94	13.35	14.76
-115	8	29	1679295.0559	152.623	173.048	0.77	15.38	16.43	17.49
-114	8	19	1679649.6906	142.224	181.452	0.32		5.40*	5.73
-111	12	12	1680860.7829	258.285	1.788	0.19	6.89*	7.39	8.01
-108	4	16	1681717.0641	23.284	172.246	0.15	16.94	17.45	17.96
-104	2	3	1683105.0538	311.756	174.095	0.64	15.80	16.96	17.36*
-103	7	19	1683636.8808	112.671	3.051	0.74	8.88	10.50	12.13
-93	6	29	1687268.9116	93.145	175.945	0.49	10.51	12.23	13.95
-92	6	17	1687622.9458	82.453	183.917	0.09	12.41	13.18	13.95
-92	12	12	1687800.7771	258.666	9.643	0.51	6.90*	7.28	8.24
-89	4	17	1688657.1013	23.702	180.069	0.57	17.38	18.20	18.40*
-88	9	29	1689187.8086	183.597	7.941	0.17	7.33	8.01	8.69
-82	5	28	1691255.0976	63.154	357.048	0.12	17.78	18.24	18.71
-81	5	18	1691609.6924	53.014	5.824	0.52	5.21*	5.69	6.43
-78	3	17	1692643.8751	353.794	1.502	0.28	10.27	11.46	12.64

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-77	3	6	1692997.8913	342.798	9.160	0.49	9.59	11.13	12.67
-75	7	9	1693854.1813	103.591	175.069	0.05	18.96	18.99*	
-72	5	8	1694887.6962	44.270	170.649	0.76	5.31*	5.74	6.58
-71	10	21	1695418.8290	205.644	359.848	0.30	7.49	8.51	9.53
-65	12	14	1697664.0486	260.400	173.631	0.75	15.57	16.71	17.10*
-63	5	28	1698195.0025	63.443	4.951	0.33	14.61	15.52	16.43
-62	5	18	1698549.7281	53.431	13.654	0.18	5.78	6.28	6.78
-61	10	1	1699051.0781	185.317	171.963	0.73	16.08	17.10	17.96*
-60	9	20	1699405.7184	174.724	180.113	0.84		5.88*	6.62
-53	5	9	1701827.7295	44.691	178.458	0.11	6.11	6.53	6.96
-50	3	7	1702860.9797	344.310	172.850	0.41	13.53	14.83	16.12
-49	8	21	1703392.7882	144.515	1.049	0.79	6.08	7.30	8.51
-47	1	4	1703894.8470	282.459	165.641	0.11	9.12	9.74	10.36
-39	7	31	1707024.7358	124.606	173.490	0.17	5.18*	5.75	6.39
-38	7	20	1707378.7750	113.800	181.364	0.50	5.83	6.93	8.04
-37	1	14	1707556.8641	292.172	9.460	0.99	8.56	10.10	11.64
-35	5	19	1708413.0402	55.135	177.611	0.94	15.64	16.71	17.79
-34	11	1	1708943.8688	216.853	7.502	0.78	8.67	10.09	11.51
-28	1	5	1710834.7666	282.762	173.532	0.91	6.89*	6.92	8.02
-23	4	7	1712753.7578	14.722	7.200	0.76	5.95	7.15	8.35
-21	8	11	1713610.0181	135.203	172.775	0.78	14.39	15.72	17.05
-9	6	30	1717950.9348	94.762	2.345	0.84	11.42	12.88	14.33
-8	6	19	1718305.6591	84.728	11.020	0.27		4.99*	5.22
-6	4	29	1718985.0124	35.997	358.516	0.69	14.83	16.20	17.56
-6	10	23	1719161.7947	207.848	179.452	0.83	6.72	7.74	8.76
-2	2	15	1720372.9613	324.876	0.868	0.41	13.23	14.22	15.21
1	6	10	1721583.6548	75.995	175.863	0.36		5.02*	5.34
4	4	8	1722616.8562	16.229	170.935	0.35	8.80	10.10	11.40
5	3	28	1722971.1025	5.583	179.180	0.72	17.31	18.13*	
5	9	22	1723148.7413	176.963	359.739	0.58	5.91*	6.14	7.13
6	9	11	1723502.8272	165.875	7.386	0.12	7.56	8.30	9.03
17	2	15	1727312.9073	325.211	8.754	0.72	10.38	11.84	13.30
19	6	21	1728168.9618	86.430	174.997	0.55	12.96	14.18	15.40
20	12	3	1728699.9613	250.464	7.429	0.78	12.33	13.81	15.29
24	9	21	1730088.1346	176.751	6.981	0.49	17.56	18.09*	
26	2	6	1730590.8102	315.954	173.010	0.78	6.97	8.29	9.61
27	1	26	1730945.0489	304.918	180.850	0.10	16.36	16.91	17.28*
29	11	24	1731977.8852	241.001	171.424	0.81	9.43	10.83	12.23
32	4	28	1732863.7970	35.601	13.045	0.05	7.57	7.92	8.27
33	9	12	1733365.9075	167.398	171.114	0.10	11.29	12.08	12.87
34	9	1	1733719.9594	156.346	178.767	0.42	11.72	13.04	14.36
38	6	21	1735108.7838	86.643	182.881	0.04	7.22	7.56	7.91
39	12	4	1735639.9500	250.838	15.282	0.08	12.54	13.11	13.69
41	4	19	1736141.7111	26.723	177.762	0.08	5.62	6.01	6.40
45	6	1	1737706.8906	126.362	0.031	0.72	9.56	10.95	12.35
-49	5	20	1739094.8557	56.558	3.801	0.94	8.43	10.02	11.61
52	3	19	1740128.9799	357.305	359.450	0.63	13.74	14.86	15.97
58	5	11	1742372.6941	47.665	168.471	0.23	5.27*	5.53	6.17
59	4	30	1742727.0099	37.221	176.965	0.84	14.69	15.95	17.21

7. Solar Eclipses for Thebes (-2972 — 59)

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2972	9	24	635801.8769	158.356	358.082	0.35	9.20	10.37	11.54
-2966	11	17	638047.0003	213.139	171.906	0.91	13.54	15.15	16.76
-2960	2	18	639965.9299	306.045	6.501	0.95	11.29	12.91	14.54
-2958	6	23	640822.0501	66.231	171.610	0.12	17.19	17.73	18.26
-2954	4	12	642210.9550	357.577	176.808	0.95	12.70	14.22	15.75
-2953	9	25	642741.8627	158.735	5.928	0.38	8.86	9.94	11.02
-2951	2	8	643243.8227	296.955	170.937	0.73	7.33	8.70	10.07
-2947	5	23	644809.0074	36.879	353.574	0.07	15.72	16.14	16.56
-2943	3	11	646197.0324	327.355	357.651	0.48	15.73	16.76	17.63*
-2939	6	23	647761.6977	66.263	179.351	0.20	5.21*	5.75	6.30
-2939	12	18	647939.8933	245.015	7.876	0.89	9.05	10.95	12.85
-2937	5	4	648441.7296	18.156	167.186	0.15	6.14	6.66	7.18
-2932	8	4	650360.7781	107.488	358.087	0.23	6.57	7.43	8.30
-2931	7	24	650714.8032	96.473	5.733	0.49	6.66	7.82	8.98
-2928	5	23	651749.0432	37.287	1.435	0.71	16.07	17.08	18.10
-2925	9	16	652959.8110	149.762	177.957	0.57	7.07	8.22	9.37
-2921	7	4	654347.0064	76.826	178.620	0.84	14.72	15.93	17.15
-2914	2	19	656769.0355	307.935	178.282	0.57	15.43	16.39	17.36
-2913	8	4	657300.1113	107.204	5.226	0.93	17.51	18.52	18.82*
-2912	12	19	657803.0221	246.584	171.684	0.90	14.61	16.09	17.31*
-2906	3	22	659721.8422	337.755	4.428	0.45	8.70	9.97	11.24
-2900	5	14	661966.8189	28.728	174.159	0.82	7.70	9.12	10.53
-2899	5	3	662321.0004	18.220	182.484	0.35	14.82	15.94	17.06
-2899	10	27	662497.9878	192.358	5.898	0.75	13.23	14.52	15.81
-2897	3	13	662999.7662	328.862	169.092	0.48	6.35*	7.26	8.26
-2890	10	18	665775.9398	182.920	169.900	0.36	12.10	13.13	14.16
-2887	3	22	666661.6960	338.001	12.307	0.06		6.24*	6.29
-2885	7	26	667517.6544	98.129	177.451	0.16		5.14*	5.26
-2884	1	20	667695.8800	277.971	7.146	0.79	8.70	10.61	12.53
-2882	5	25	668552.1063	39.110	173.292	0.20	18.25	18.53*	
-2882	11	18	668728.7282	214.447	358.134	0.27		6.39*	6.77
-2878	9	6	670116.7130	140.148	356.997	0.08	5.46*	5.52	5.95
-2877	8	26	670470.7449	128.917	4.436	0.67	5.34*	6.06	7.12
-2874	6	25	671504.9821	68.694	359.003	0.86	13.90	15.22	16.53
-2871	10	18	672715.9007	183.251	177.802	0.81	9.69	11.13	12.57
-2867	8	5	674102.9832	108.905	176.944	0.97	13.57	14.86	16.15
-2863	11	18	675668.7416	214.850	5.946	0.45	6.39*	6.41	7.19
-2860	3	23	676525.0095	339.692	176.230	0.90	14.61	15.74	16.87
-2859	9	5	677056.0704	135.895	4.149	0.67	16.11	17.21	18.30
-2857	1	21	677558.9862	279.515	170.848	0.61	13.43	14.98	16.52
-2855	6	25	678444.7940	68.881	6.900	0.60	6.85	7.96	9.08
-2846	6	16	681722.6781	59.971	171.601	0.60		5.26*	6.12
-2845	6	5	682076.8033	49.341	179.747	0.38	7.41	8.59	9.77
-2837	7	6	685030.0905	79.440	6.159	0.43	17.51	18.35	18.85*
-2836	11	19	685532.0704	216.636	169.957	0.90	16.13	17.18	17.59*
-2834	5	4	686063.0232	19.433	0.982	0.73	15.34	16.48	17.63
-2830	2	21	687451.7936	310.254	5.611	0.52	6.55*	7.71	8.99
-2829	2	10	687805.8069	299.280	13.280	0.13	7.22	7.98	8.73
-2827	6	15	688662.0766	59.768	178.906	0.63	17.06	18.10	18.74*
-2823	9	27	690226.7524	162.026	3.880	0.58	5.73*	6.27	7.31
-2822	9	16	690581.0985	150.992	11.761	0.28	17.08	17.76	18.41*
-2820	7	27	691260.9522	100.596	357.115	0.40	12.64	13.84	15.05
-2813	9	7	693859.0220	141.671	175.999	0.59	14.57	15.62	16.67
-2812	3	3	694037.0868	320.857	4.956	0.17	17.11	17.56*	
-2809	12	21	695424.8631	248.385	5.851	0.70	8.60	9.93	11.25
-2806	4	25	696280.9583	11.023	173.743	0.37	13.24	14.27	15.30
-2805	10	8	696812.0995	173.180	3.823	0.40	17.03	17.91	18.13*
-2803	2	22	697314.8933	311.744	169.328	0.40	9.78	11.45	13.12
-2802	2	11	697668.9038	300.773	176.992	0.23	10.48	11.81	13.14
-2801	7	28	698200.7053	100.731	4.953	0.97	5.15*	5.44	6.41
-2800	12	11	698702.8176	239.026	169.912	0.07	8.36	8.80	9.24
-2787	4	25	703220.9868	11.441	181.564	0.47	14.21	15.27	16.32
-2783	8	7	704786.0159	111.498	4.438	0.74	14.75	16.02	17.30
-2781	12	12	705642.7212	239.323	177.797	0.17		6.64*	6.77

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2780	6	5	705818.9253	50.641	358.390	0.70	11.84	13.32	14.80
-2777	9	29	707029.7469	163.862	175.753	0.20	5.82	6.44	7.05
-2773	7	18	708417.9160	91.381	176.657	0.51	11.05	12.83	14.61
-2772	7	6	708771.9674	80.520	184.487	0.03	13.88	14.31	14.74
-2769	10	30	709982.8035	195.592	3.814	0.73	6.58	7.83	9.09
-2763	12	22	712228.0782	250.435	177.711	0.15	16.97	17.28*	
-2761	6	6	712758.8832	50.993	6.268	0.35	10.12	11.15	12.19
-2759	10	9	713615.1118	175.046	175.684	0.18	17.42	17.97	18.11*
-2758	4	5	713792.9218	352.313	2.538	0.88	11.40	13.09	14.78
-2758	9	29	713969.7580	164.267	183.582	0.57	5.76	6.66	7.56
-2754	1	22	715180.9339	281.421	5.124	0.54	11.77	13.06	14.35
-2749	3	27	717070.7415	343.346	167.100	0.04	6.32	6.67	7.02
-2748	3	15	717424.7843	332.592	175.016	0.59	6.31	7.56	8.81
-2747	8	29	717956.6699	133.233	3.734	0.01		5.39*	5.35
-2745	1	13	718458.9086	272.221	169.416	0.73	10.34	11.86	13.39
-2742	10	31	719846.0105	197.255	167.808	0.41	14.45	15.56	16.68
-2741	4	27	720024.0439	13.247	353.374	0.01	17.06	17.26	17.45
-2735	1	22	722120.8757	281.734	13.044	0.32	9.17	10.38	11.59
-2733*	5	28	722976.9151	42.656	178.945	0.95	11.22	12.78	14.34
-2732	11	9	723507.9343	206.970	11.675	0.25	11.62	12.67	13.72
-2730	3	26	724010.0636	343.085	174.203	0.29	16.69	17.49	17.83*
-2729	9	9	724541.9970	144.226	3.466	0.80	13.59	15.06	16.52
-2728	8	28	724896.0452	133.004	10.938	0.00	16.67	16.77	16.87
-2726	1	13	725398.7734	272.480	177.297	0.69	6.77*	6.91	7.97
-2726	7	8	725574.8603	82.201	356.094	0.17	9.87	10.71	11.56
-2723	10	31	726785.8610	197.497	175.685	0.75	8.69	9.95	11.21
-2719	8	19	728173.8186	123.622	175.099	0.12	7.57	8.33	9.10
-2718	8	8	728527.8841	112.558	182.752	0.53	9.10	10.75	12.41
-2715	12	1	729738.8749	229.232	3.853	0.59	8.64	10.16	11.67
-2707	7	8	732514.8536	82.571	3.990	0.66	8.73	9.98	11.23
-2703	4	26	733902.7741	12.803	7.818	0.97	6.38	7.66	8.93
-2702	9	10	734405.1335	145.812	167.370	0.23	18.07	18.47*	
-2701	8	30	734759.1284	134.531	174.721	0.53	17.66	18.57	18.60*
-2700	2	24	734936.9601	313.768	3.694	0.84	12.84	14.10	15.35
-2693	4	6	737534.9636	353.529	181.083	0.32	13.48	14.52	15.56
-2691	2	14	738214.9335	304.764	168.221	0.34	11.79	12.94	14.08
-2688	12	2	739602.0881	230.899	167.835	0.26	16.97	17.43*	
-2686	5	18	740133.9911	33.791	358.843	0.87	14.29	15.80	17.31
-2681	2	24	741876.8530	314.043	11.621	0.52	8.35	9.71	11.07
-2679	6	29	742732.8416	74.086	176.564	0.66	8.35	9.70	11.05
-2678	12	12	743264.0380	240.589	11.672	0.32	15.33	16.20	17.07
-2676	4	27	743765.8938	14.309	171.602	0.17	10.69	11.72	12.75
-2676	10	22	743943.7479	188.745	355.455	0.01	6.31	6.46	6.62
-2675	10	11	744298.0104	177.538	3.130	0.41	14.15	15.38	16.61
-2674	9	30	744652.0138	166.101	10.327	0.27	14.58	15.63	16.67
-2672	2	15	745154.7518	304.979	176.084	0.57		6.60*	7.43
-2669	12	3	746541.9774	231.178	175.712	0.24	13.17	14.11	15.04
-2664	9	9	748283.8589	145.285	181.769	0.70	8.01	9.57	11.12
-2661	7	10	749318.1601	84.660	175.891	0.01	18.88	18.86*	
-2660	1	3	749494.9159	262.556	3.545	0.22	11.10	12.26	13.41
-2654	2	25	751740.0663	315.654	175.526	0.72	16.27	17.32	17.50*
-2653	8	10	752270.8583	114.723	2.338	0.79	8.57	9.95	11.32
-2648	10	12	754161.1334	179.119	166.988	0.01	18.04	18.05*	
-2647	10	1	754515.1016	167.646	174.113	0.54	16.87	17.88	18.20*
-2646	3	28	754692.9227	345.483	1.583	0.63	11.82	13.07	14.32
-2642	7	10	756257.8774	84.774	183.677	0.32	9.50	10.88	12.25
-2641	1	3	756434.7602	262.788	11.411	0.12	6.76*	6.84	7.33
-2639	5	8	757290.8576	24.765	178.463	0.58	9.24	10.61	11.97
-2639	11	2	757468.7010	199.941	3.100	0.02		6.21*	6.18
-2631	6	8	760243.8681	54.312	4.195	0.68	9.02	10.59	12.17
-2627	3	28	761632.7730	345.713	9.503	0.90	6.27	7.48	8.69
-2625	8	1	762488.8047	106.020	174.724	0.21	7.34	8.12	8.90
-2622	5	30	763521.7336	45.446	168.917	0.13	6.05	6.57	7.10
-2621	11	13	764054.0494	211.152	3.117	0.31	15.93	16.89	17.65*

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2620	11	1	764408.0263	199.628	10.190	0.49	14.63	15.95	17.27
-2614	1	4	766298.0789	264.528	175.400	0.57	16.60	17.23*	
-2610	10	12	768039.8965	178.621	181.427	0.35	9.41	10.62	11.83
-2607	8	11	769074.1352	116.809	174.263	0.64	17.96	18.76*	
-2606	2	4	769250.9181	295.295	2.568	0.23	11.76	12.80	13.84
-2600	3	29	771495.9613	347.293	173.368	0.44	13.01	14.32	15.62
-2599	3	18	771850.0997	336.638	181.500	0.27	17.38	17.75*	
-2599	9	11	772026.9182	147.563	1.417	0.82	10.61	12.07	13.54
-2597	1	26	772528.8312	286.123	166.913	0.10	8.54	9.18	9.82
-2593	11	3	774271.1185	201.186	173.952	0.28	17.45	17.77*	
-2592	4	29	774448.8503	16.794	359.022	0.01	10.59	10.81	11.03
-2588	8	11	776013.7984	116.849	182.019	0.62	6.42	7.72	9.03
-2587	2	4	776190.8119	295.559	10.482	0.79	7.10	8.33	9.55
-2585	6	10	777046.7724	56.003	175.917	0.95	6.57	7.68	8.80
-2585	12	5	777224.7383	233.531	3.083	0.53		6.59*	7.19
-2578	1	26	779468.7851	286.448	174.811	0.82	6.73*	7.43	8.48
-2577	7	11	779999.7328	85.817	1.857	0.45	5.50	6.40	7.30
-2567	6	20	783632.0797	66.489	175.101	0.84	17.15	18.07	18.79*
-2567	12	15	783810.0728	244.677	2.976	0.48	16.62	17.32*	
-2566	12	4	784164.0435	233.216	10.103	0.41	15.37	16.53	17.41*
-2559	7	21	786585.0362	96.435	1.229	0.76	15.53	16.74	17.94
-2557	11	25	787441.8079	223.585	173.938	0.31	7.21	8.21	9.22
-2555	5	10	787973.9313	27.343	6.022	0.20	11.96	12.94	13.92
-2553	9	13	788830.1589	149.625	173.377	0.17	18.29	18.43*	
-2546	5	1	791251.8118	18.520	170.781	0.39	7.63	8.78	9.93
-2545	4	20	791605.9142	7.927	178.931	0.62	11.07	12.86	14.66
-2540	7	21	793524.7549	96.554	9.020	0.24	5.93	6.58	7.23
-2534	9	13	795769.7606	149.618	181.016	0.88	5.57*	6.51	7.72
-2533	3	9	795946.8061	327.676	8.745	0.91	7.22	8.43	9.65
-2531	7	12	796802.7146	87.609	173.669	0.60	5.13*	5.88	6.73
-2530	1	6	796980.7361	266.779	2.647	0.18		6.77*	6.96
-2526	10	14	798722.9754	181.301	9.051	0.57	12.84	14.18	15.53
-2524	2	28	799224.8046	318.756	173.333	0.77	7.08	8.24	9.40
-2522	8	1	800110.0851	107.266	8.494	0.38	17.06	17.82	18.57
-2520	6	11	800790.0712	58.439	355.559	0.11	17.36	17.83	18.30
-2517	10	5	802000.8630	171.838	173.134	0.12	9.64	10.34	11.05
-2513	7	23	803388.0435	98.260	173.074	0.68	15.93	16.89	17.85
-2512	1	17	803566.0527	277.741	2.333	0.77	15.97	17.14	17.24*
-2512	7	12	803742.7340	88.006	181.541	0.24	5.86	6.46	7.07
-2511	1	5	803920.0353	266.468	9.666	0.23	15.35	16.24	17.12
-2509	11	5	804953.7735	203.442	1.173	0.81	6.26*	7.20	8.21
-2505	8	23	806340.9821	128.775	359.783	0.44	13.34	14.60	15.87
-2503	12	27	807197.8157	256.992	173.617	0.67	6.97	8.29	9.61
-2501	6	12	807729.7828	58.535	3.376	0.67	6.81	7.97	9.14
-2491	5	22	811361.7092	39.020	176.148	0.55	5.47*	5.99	6.97
-2486	8	23	813280.7611	128.932	7.655	0.16	5.99	6.54	7.09
-2483	6	22	814315.0657	69.002	2.534	0.81	16.72	17.82	18.80*
-2482	11	6	814817.0908	205.221	165.202	0.15	17.19	17.72	17.72*
-2480	4	20	815348.0988	9.298	357.684	0.66	17.47	18.16*	
-2480	10	15	815525.7711	182.946	180.658	0.95	6.00*	6.84	8.06
-2479	4	10	815702.7662	359.225	6.432	0.57	6.65	7.59	8.54
-2473	6	2	817946.9722	49.407	175.212	0.35	14.06	15.32	16.58
-2472	5	21	818301.0708	38.785	183.370	0.09	17.30	17.78	18.25
-2472	11	15	818479.0713	214.975	9.123	0.72	16.14	17.23	17.60*
-2470	4	1	818980.7784	350.456	171.197	0.91	6.69	7.79	8.89
-2468	9	2	819866.1118	139.875	7.378	0.96	17.19	18.11	18.54*
-2463	11	6	821756.9408	205.445	173.109	0.94	11.26	12.87	14.49
-2460	4	10	822642.8006	359.633	14.290	0.10	7.75	8.26	8.76
-2459	8	24	823144.0632	130.675	171.723	0.87	16.04	17.01	17.97
-2458	2	18	823321.9690	310.141	0.949	0.51	13.52	14.85	16.18
-2458	8	14	823498.7460	120.205	179.935	0.90	5.45	6.44	7.43
-2457	2	7	823675.9778	299.116	8.567	0.35	13.16	14.38	15.60
-2448	1	29	826953.7872	289.851	172.761	0.76	6.71*	7.44	8.71
-2446	7	3	827839.7126	79.275	8.963	0.49	5.15*	5.62	6.52

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2436	12	7	831649.7942	237.394	9.122	0.27	6.89	7.73	8.56
-2433	4	12	832506.0958	1.307	178.234	0.84	17.29	18.06*	
-2432	9	24	833036.8266	161.985	7.022	0.13	7.98	8.62	9.25
-2429	7	25	834070.9457	100.710	0.433	0.93	11.86	13.70	15.53
-2426	5	23	835104.0101	40.501	355.034	0.29	15.38	16.22	17.05
-2426	11	17	835281.8041	216.543	180.612	0.67	6.45	7.67	8.89
-2425	5	13	835458.7092	30.472	3.816	0.17	5.82	6.32	6.81
-2419	7	4	837702.7950	80.758	172.728	0.12	7.12	7.78	8.44
-2418	6	23	838056.9208	70.065	180.814	0.75	11.06	12.88	14.69
-2416	5	3	838736.7213	21.775	168.636	0.42	5.71	6.46	7.21
-2415	10	16	839267.7085	184.083	359.022	0.33		6.01*	6.37
-2409	12	9	841513.0112	239.068	173.084	0.70	14.22	15.63	17.04
-2407	5	23	842044.0186	40.890	2.904	0.46	15.36	16.30	17.24
-2406	5	13	842398.7243	30.879	11.654	0.54	5.60	6.42	7.25
-2405	9	26	842900.1372	163.759	171.070	0.59	17.74	18.25*	
-2404	9	15	843254.8064	153.082	179.045	0.76	6.96	8.11	9.26
-2403	3	11	843431.8656	331.095	6.725	0.90	8.80	10.54	12.27
-2401	7	15	844288.0752	91.326	171.984	0.49	17.11	18.05	18.87*
-2400	1	9	844465.9887	270.447	0.838	0.07	14.77	15.25	15.72
-2397	5	4	845676.7017	22.146	176.493	0.34	5.67*	5.91	6.60
-2394	3	2	846709.7114	322.033	171.213	0.21		6.43*	6.65
-2393	2	19	847064.0761	311.427	179.557	0.57	16.60	17.46*	
-2392	12	30	847743.9348	261.133	165.031	0.05	12.53	13.03	13.53
-2386	4	2	849663.0961	352.341	358.003	0.53	17.33	17.94*	
-2381	1	9	851405.8461	270.681	8.750	0.87	7.75	9.29	10.83
-2379	5	14	852262.0049	32.539	175.629	0.50	15.01	16.07	17.13
-2378	10	27	852792.9333	195.543	6.915	0.91	11.06	12.57	14.09
-2375	8	26	853826.8697	133.057	359.004	0.65	8.41	10.18	11.96
-2374	8	15	854180.8769	121.910	6.495	0.04	9.73	10.25	10.77
-2372	12	19	855037.8143	250.042	180.375	0.32	6.77	7.75	8.74
-2369	10	18	856070.8767	186.106	170.941	0.07	10.45	10.93	11.41
-2366	3	22	856956.7697	341.618	13.677	0.26	6.49	7.27	8.05
-2364	7	25	857812.8231	101.795	178.759	0.84	7.22	8.69	10.17
-2361	11	18	859023.7922	217.748	359.084	0.30	6.71	7.56	8.41
-2354	1	10	861269.0451	272.312	172.667	0.80	15.54	16.76	17.23*
-2353	6	25	861799.9680	72.269	0.400	0.95	13.28	14.63	15.97
-2352	6	14	862154.6439	62.148	9.070	0.19		5.24*	5.38
-2350	10	18	863010.9107	186.517	178.779	0.54	10.20	11.42	12.65
-2349	4	13	863187.7169	2.525	4.311	0.25	5.92*	6.19	6.93
-2347	8	16	864043.9672	123.436	170.286	0.00	14.79	14.92	15.04
-2346	2	10	864222.0294	303.152	359.809	0.53	15.42	16.36	17.29
-2346	8	5	864398.1345	112.520	178.201	0.06	18.39	18.72	18.79*
-2342	5	25	865786.9831	43.015	182.512	0.39	14.08	15.30	16.52
-2339	3	23	866820.0235	343.273	177.581	1.01	15.08	16.22	17.36
-2331	4	23	869772.9981	12.920	3.437	0.37	14.51	15.60	16.70
-2327	2	10	871161.8400	303.341	7.704	0.82	7.71	9.28	10.85
-2324	11	28	872549.0567	229.250	6.984	0.93	15.83	16.90	17.45*
-2321	9	28	873582.8469	166.062	358.302	0.41	7.76	9.13	10.50
-2320	9	16	873936.8232	154.679	5.516	0.27	7.14	8.22	9.29
-2317	1	21	874793.7840	283.057	179.660	0.20	6.75*	6.89	7.65
-2315	11	19	875827.0044	219.810	170.970	0.95	13.93	15.21	16.50
-2312	4	23	876712.6734	12.999	11.184	0.30		5.79*	6.06
-2310	8	27	877568.7906	134.181	177.405	0.50	6.37	7.49	8.61
-2302	9	27	880522.1533	165.737	5.356	0.07	18.20	18.23*	
-2300	2	12	881025.0172	304.930	171.566	0.36	14.90	15.93	16.97
-2299	1	31	881379.0954	293.916	179.277	0.14	17.17	17.31*	
-2299	7	27	881555.9500	104.100	358.389	0.60	12.37	13.69	15.00
-2292	3	14	883978.0109	335.178	358.042	0.52	14.97	15.95	16.93
-2292	9	6	884154.1247	145.137	177.094	0.07	17.94	18.28	18.48*
-2288	6	26	885542.8255	74.302	179.971	0.70	7.54	9.04	10.55
-2288	12	20	885719.7963	251.614	6.889	0.89	6.72*	7.82	8.93
-2285	4	25	886575.9485	14.653	175.144	0.59	12.63	13.94	15.24
-2280	7	27	888495.9046	104.427	6.293	0.05	11.19	11.72	12.26
-2277	5	26	889528.8395	44.058	0.722	0.46	8.82	10.10	11.37

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2273	3	15	890917.7663	335.316	5.900	0.50	6.27*	7.22	8.31
-2270	7	7	892128.1132	84.816	179.222	0.22	17.98	18.60	18.86*
-2267	10	30	893338.8611	199.538	358.115	0.07	8.81	9.45	10.08
-2266	4	25	893515.9616	15.040	183.014	0.19	13.64	14.40	15.16
-2266	10	19	893692.8236	188.018	5.171	0.48	7.08	8.38	9.69
-2260	12	11	895937.7748	242.636	178.774	0.79	6.66*	7.14	8.13
-2259	6	5	896114.1211	54.467	359.819	0.45	18.21	18.69*	
-2256	9	28	897324.8178	167.247	176.738	0.43	7.38	8.48	9.58
-2255	3	25	897503.0580	345.848	5.130	0.09	16.63	17.09	17.56
-2253	7	29	898359.1425	106.101	170.297	0.45	18.38	18.83*	
-2246	3	16	900780.9209	336.866	169.723	0.15	11.62	12.60	13.59
-2245	3	5	901134.9822	326.044	177.599	0.71	13.63	15.13	16.63
-2240	6	5	903053.8860	54.617	7.685	0.08	10.48	11.03	11.57
-2239	10	20	903555.9388	189.592	169.000	0.16	12.46	13.39	14.33
-2238	4	16	903733.9411	6.658	355.693	0.07	13.64	14.13	14.62
-2237	9	29	904264.7026	167.509	184.661	0.16		5.80*	6.00
-2234	7	29	905298.6998	106.034	177.913	0.86	5.17*	5.21	6.23
-2233	1	22	905475.8799	284.727	6.315	0.57	9.48	10.83	12.18
-2231	5	27	906331.8722	45.867	172.545	0.17	10.12	10.94	11.76
-2226	8	29	908251.8944	136.865	4.979	0.41	9.84	11.21	12.59
-2224	1	13	908753.8509	275.517	170.520	0.75	8.38	9.68	10.99
-2218	4	5	911027.7367	356.111	11.604	0.47	6.01*	6.42	7.44
-2216	8	8	911883.9973	116.758	177.340	0.74	13.88	15.27	16.66
-2214	1	22	912415.9074	285.148	14.125	0.16	10.69	11.55	12.41
-2212	5	27	913271.8978	46.283	180.369	0.69	10.65	12.05	13.46
-2212	11	20	913448.8498	221.629	5.114	0.90	7.65	9.26	10.88
-2211	11	9	913803.0247	210.313	12.619	0.21	14.95	15.81	16.68
-2205	1	13	915693.8571	275.917	178.352	0.06	8.93	9.41	9.89
-2205	7	8	915870.0068	85.901	357.462	0.38	14.85	15.91	16.97
-2202	10	31	917080.8994	200.776	176.651	0.82	9.62	11.10	12.58
-2201	4	27	917258.9146	17.136	2.600	0.91	11.04	12.70	14.37
-2199	8	30	918115.1209	138.533	169.019	0.57	17.60	18.46	18.56*
-2192	4	17	920536.7659	8.265	167.278	0.02	7.14	7.39	7.65
-2191	4	6	920890.8133	357.578	175.263	0.67	7.25	8.75	10.25
-2186	7	8	922809.8241	86.117	5.331	0.58	7.70	8.82	9.94
-2185	11	22	923311.9786	223.215	168.947	0.53	13.08	14.60	16.13
-2183	10	31	924020.8147	201.083	184.533	0.14	7.54	8.10	8.66
-2179	2	23	925231.9065	317.207	4.961	0.69	10.84	12.16	13.49
-2173	4	17	927476.0844	7.989	174.399	0.26	17.53	18.15*	
-2172	9	30	928007.9319	169.948	4.397	0.96	10.86	12.54	14.22
-2170	2	14	928509.8995	308.189	169.428	0.65	10.24	11.65	13.07
-2168	7	18	929395.1492	96.723	4.681	0.47	18.48	18.86*	
-2162	9	10	931639.9353	149.361	176.178	0.85	11.15	12.88	14.62
-2161	8	30	931993.9194	138.108	183.541	0.16	10.51	11.55	12.60
-2159	7	9	932673.1316	87.831	169.356	0.29	18.51	18.87*	
-2158	6	29	933027.8469	77.691	177.912	0.85	8.52	9.89	11.26
-2158	12	23	933204.8713	255.111	4.938	0.56	8.40	10.07	11.74
-2155	10	22	934238.7897	192.058	356.400	0.08	7.19	7.62	8.05
-2151	2	14	935449.8864	308.570	177.280	0.13	10.29	11.09	11.88
-2151	8	9	935625.9418	117.906	355.656	0.05	12.69	13.21	13.73
-2148	12	2	936836.9896	234.456	176.652	0.10	14.00	14.65	15.30
-2146	5	18	937368.8044	37.636	7.938	0.63	7.07	8.35	9.63
-2145	10	2	937871.1421	171.616	168.413	0.14	18.00	18.15*	
-2132	8	9	942565.8129	118.156	3.573	0.70	7.11	8.27	9.44
-2131	12	24	943068.0141	256.696	168.769	0.41	14.63	15.83	17.03
-2129	6	9	943600.0144	58.672	358.947	0.80	15.09	16.45	17.81
-2125	3	28	944987.8897	349.037	2.937	0.60	10.57	11.80	13.02
-2120	1	3	946729.8079	266.163	12.418	0.13	7.47	8.13	8.78
-2118	5	8	947586.0532	28.587	179.939	0.74	16.29	17.39	18.41*
-2118	11	2	947764.0006	203.490	4.319	0.46	13.90	15.16	16.42
-2116	3	18	948265.8958	340.198	167.622	0.05	11.15	11.62	12.10
-2114	8	20	949151.1567	128.981	3.158	0.11	18.55	18.66*	
-2108	10	12	951395.9229	182.571	175.663	0.93	10.35	12.13	13.92
-2107	10	1	951749.8947	171.126	182.825	0.22	9.31	10.40	11.50

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-2106	3	28	951927.8959	349.420	10.819	0.17	10.54	11.33	12.12
-2105	8	11	952429.1302	119.903	167.613	0.38	18.10	18.74	18.74*
-2104	7	31	952783.8278	109.559	175.949	0.35	7.97	8.97	9.96
-2103	1	24	952960.8571	288.117	4.241	0.31	8.54	9.86	11.19
-2097	3	19	955205.8549	340.549	175.490	0.57	8.82	10.20	11.58
-2093	1	4	956593.0680	267.861	176.399	0.55	16.38	17.23*	
-2086	8	11	959369.1663	120.316	175.456	0.03	18.73	18.73*	
-2085	8	1	959723.7361	109.842	183.863	0.08	5.78	6.21	6.63
-2082	11	24	960934.7150	225.937	4.347	0.11		6.51*	6.59
-2078	9	11	962321.8586	150.871	2.545	0.85	8.42	9.81	11.21
-2075	7	11	963355.8546	90.100	356.520	0.21	9.20	10.33	11.45
-2074	6	30	963709.8790	79.289	4.365	0.43	9.08	10.63	12.18
-2071	4	29	964743.8386	20.421	0.429	0.16	9.56	10.24	10.93
-2066	2	4	966485.8336	299.022	11.580	0.57	7.68	8.98	10.29
-2065	6	21	966987.6926	70.321	168.939	0.01	5.22	5.35	5.49
-2064	6	9	967341.9109	59.787	177.275	0.68	10.86	12.56	14.26
-2064	12	4	967520.0672	237.146	4.321	0.67	16.34	17.38*	
-2057	1	26	969763.7690	289.825	175.923	0.70	6.71*	6.91	7.92
-2056	7	10	970295.1606	89.803	3.607	0.06	18.85	18.87*	
-2055	11	25	970797.8966	227.575	168.278	0.11	10.93	11.73	12.54
-2054	11	14	971151.9388	216.128	175.526	0.62	10.74	12.52	14.30
-2052	4	29	971683.8180	20.775	8.331	0.75	7.80	8.99	10.19
-2050	9	2	972539.8549	142.065	174.680	0.16	9.23	10.00	10.78
-2049	2	26	972716.7937	320.469	2.833	0.03	7.60	7.94	8.28
-2043	4	20	974961.7718	12.001	173.141	0.98	6.48	7.65	8.82
-2042	4	9	975316.1131	1.589	181.705	0.20	17.82	18.06*	
-2039	2	5	976349.1097	300.704	175.555	0.06	17.34	17.36*	
-2031	3	8	979302.0951	331.109	2.204	0.45	17.10	17.68*	
-2031	9	2	979479.7178	142.311	182.581	0.52	5.49*	5.56	6.45
-2028	12	26	980690.7672	259.434	4.195	0.80	6.75*	6.81	7.95
-2027	12	15	981044.8617	248.126	11.633	0.18	8.76	9.83	10.90
-2024	10	13	982077.9527	184.199	2.169	0.37	12.12	13.23	14.35
-2020	8	1	983465.7362	111.046	2.263	0.75	5.20*	6.06	7.15
-2012	3	8	986241.8157	331.209	10.022	0.84	7.37	8.67	9.96
-2010	7	12	987097.8128	91.268	174.981	0.34	7.40	8.43	9.46
-2005	10	14	989017.9856	184.609	9.998	0.54	13.32	14.52	15.71
-2003	2	27	989519.7743	322.237	174.563	0.63	6.42*	7.29	8.32
-2002	8	12	990051.0378	121.769	1.735	0.57	15.33	16.51	17.69
-2001	12	28	990553.9299	261.039	168.062	0.38	11.30	12.86	14.42
-2000	12	16	990907.9485	249.661	175.344	0.42	11.48	13.18	14.88
-1999	6	11	991085.0874	62.099	356.914	0.26	17.52	18.14	18.75*
-1998	6	1	991439.7163	51.984	5.673	0.68	5.38	6.28	7.18
-1996	10	4	992295.9264	175.220	174.102	0.79	11.07	12.45	13.83
-1992	7	22	993683.1214	101.886	174.310	0.80	17.78	18.67	18.84*
-1989	5	23	994717.6553	43.208	170.514	0.29		5.42*	5.69
-1988	5	11	995071.9362	32.789	179.013	0.90	11.84	13.67	15.51
-1988	11	4	995248.6995	206.635	2.149	0.05		6.30*	6.30
-1985	3	10	996105.0969	332.900	173.934	0.24	17.35	17.70*	
-1980	7	8	998052.0174	62.405	4.830	0.23	15.60	16.38	17.17
-1977	5	7	999084.9767	2.660	359.933	0.89	13.64	15.03	16.42
-1977	11	1	999262.7463	175.414	181.997	0.78	5.90*	6.28	7.33
-1973	2	24	1000473.7708	292.421	3.490	0.33	6.70*	6.89	7.82
-1973	8	19	1000650.0176	102.162	182.232	0.02	15.44	15.62	15.81
-1972	2	13	1000827.8416	281.276	11.067	0.45	7.57	9.06	10.55
-1970	12	12	1001861.0773	217.873	2.181	0.15	17.04	17.56	17.57*
-1961	12	3	1005139.0296	208.428	166.155	0.35	15.22	16.09	16.97
-1958	5	7	1006024.7523	2.833	7.775	0.79	6.11	7.13	8.16
-1955	2	7	1007032.0924	303.266	3.102	0.40	16.93	17.38*	
-1951	11	15	1008774.1034	218.274	10.016	0.38	17.13	17.57*	
-1949	4	1	1009275.7386	354.019	172.538	0.93	6.03*	6.67	7.67
-1948	9	13	1009806.9828	154.409	0.625	0.31	13.23	14.44	15.66
-1946	1	29	1010309.9135	293.987	167.298	0.17	11.07	12.21	13.35
-1945	1	18	1010663.9237	282.788	174.739	0.55	10.59	12.51	14.44
-1942	11	6	1012052.0307	208.806	174.020	0.48	14.92	15.97	17.03

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1939	4	10	1012937.7610	3.218	15.649	0.01	7.04	7.19	7.34
-1938	3	1	1013263.0569	324.698	354.299	0.00	17.18	17.28	17.37
-1938	8	24	1013439.0985	134.155	172.825	0.85	16.89	17.84	18.60*
-1937	8	14	1013793.6868	123.629	181.147	0.41		5.30*	5.76
-1934	6	13	1014827.7516	63.944	176.306	0.88	5.69	6.87	8.06
-1934	12	7	1015004.8263	240.329	2.180	0.36	7.75	8.68	9.61
-1926	7	14	1017780.9277	93.920	2.529	0.63	11.30	12.91	14.52
-1923	11	6	1018991.8048	208.954	181.887	0.52	6.68	7.76	8.83
-1918	2	18	1020556.7629	313.793	9.798	0.67	6.52*	6.78	8.03
-1916	6	23	1021413.0276	74.376	175.464	0.70	15.68	16.88	18.09
-1915	12	7	1021944.8459	240.726	10.027	0.48	8.26	9.42	10.57
-1912	4	11	1022801.0859	4.924	179.567	0.85	17.00	17.91	18.11*
-1911	9	24	1023331.8855	165.394	8.007	0.13	10.02	10.84	11.65
-1906	11	28	1025222.7688	231.270	174.038	0.32	6.57*	7.25	8.02
-1904	5	12	1025753.6752	34.113	5.187	0.36		5.53*	6.09
-1901	3	12	1026788.0021	335.364	1.365	0.94	14.36	15.68	17.01
-1895	5	3	1029031.6762	25.384	170.051	0.59		5.63*	6.20
-1891	2	19	1030419.8433	315.286	173.456	0.82	7.61	9.39	11.16
-1886	5	23	1032338.9844	44.514	4.311	0.23	14.29	15.13	15.96
-1885	5	13	1032693.7030	34.515	13.046	0.39	5.52*	5.91	6.59
-1884	9	25	1033195.1382	167.102	172.064	0.46	17.79	18.21*	
-1883	9	15	1033549.7391	156.389	180.140	0.94	5.66*	6.22	7.19
-1876	5	3	1035971.7118	25.808	177.859	0.12	5.75	6.18	6.61
-1872	8	15	1037536.8678	125.992	0.793	0.97	8.48	10.18	11.87
-1871	8	4	1037891.0692	115.146	8.806	0.27	16.73	17.51	18.30
-1871	12	30	1038038.8945	264.428	165.986	0.16	10.68	11.51	12.33
-1861	7	15	1041522.8902	95.101	180.984	0.78	9.29	11.27	13.26
-1860	1	9	1041700.9366	274.117	9.751	0.76	11.35	12.88	14.41
-1858	5	14	1042557.0242	36.217	176.992	0.77	15.46	16.53	17.59
-1857	10	27	1043087.9583	198.847	7.827	0.84	11.98	13.57	15.16
-1852	12	30	1044978.8591	264.771	173.880	0.85	8.31	9.74	11.17
-1848	10	17	1046365.8611	189.376	171.901	0.10	9.72	10.33	10.94
-1847	4	13	1046543.8585	6.860	359.029	0.01	10.96	11.21	11.47
-1846	4	2	1046897.9001	356.139	6.991	0.53	10.11	11.68	13.25
-1844	8	5	1047754.1660	116.662	172.618	0.15	18.65	18.76*	
-1837	3	24	1050175.7058	347.132	171.458	0.52		6.12*	6.74
-1832	6	24	1052094.9183	75.854	1.758	0.77	11.14	12.62	14.09
-1829	10	18	1053305.8371	189.746	179.761	0.85	7.85	9.03	10.21
-1825	2	10	1054516.9887	306.566	0.936	0.51	14.13	15.13	16.13
-1822	6	5	1055727.6420	57.059	175.225	0.06		5.29*	5.31
-1818	9	17	1057292.8611	158.712	359.830	0.67	8.20	9.76	11.32
-1817	9	6	1057646.9937	147.583	7.491	0.49	13.74	15.09	16.44
-1807	8	16	1061278.7796	127.118	179.167	0.83	5.76	7.07	8.37
-1806	2	10	1061456.9743	306.930	8.826	0.37	13.15	14.20	15.24
-1804	6	15	1062312.9554	67.502	174.395	0.27	13.46	14.40	15.33
-1803	11	28	1062844.0527	232.528	7.872	0.87	15.68	16.83	17.42*
-1797	2	1	1064734.9003	297.763	173.164	0.78	9.92	11.60	13.29
-1794	11	19	1066121.9623	223.043	171.872	0.93	12.26	13.75	15.25
-1792	5	4	1066653.7090	27.373	4.322	0.33	5.61*	6.09	6.90
-1790	9	7	1067510.0819	149.117	171.271	0.82	16.43	17.56	18.43*
-1786	12	20	1069075.0688	254.811	0.043	0.12	17.01	17.26*	
-1785	6	16	1069252.8337	67.760	182.308	0.30	8.43	9.49	10.54
-1782	4	14	1070285.7674	7.977	177.327	0.26	6.65	7.45	8.25
-1778	7	27	1071850.8898	107.597	359.653	0.87	9.78	11.29	12.81
-1775	5	26	1072884.9396	48.403	355.354	0.22	12.99	14.13	15.27
-1774	5	15	1073238.9731	37.750	3.368	0.36	13.58	14.88	16.17
-1771	3	14	1074272.9954	338.724	359.265	0.66	14.34	15.40	16.45
-1767	12	20	1076014.7787	254.909	7.814	0.65	6.74*	7.30	8.34
-1764	4	24	1076871.0577	18.414	176.467	0.65	16.48	17.50	18.28*
-1764	10	19	1077048.8929	192.020	359.482	0.20	9.70	10.75	11.80
-1763	10	8	1077402.9680	180.665	6.852	0.78	12.22	14.00	15.79
-1753	9	18	1081034.7375	159.807	178.100	0.57	5.70*	5.98	7.01
-1752	3	14	1081212.9526	339.060	7.174	0.39	12.46	13.56	14.67
-1743	3	5	1084490.8806	330.078	171.737	0.80	9.41	11.05	12.70

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1740	12	21	1085878.0669	256.645	171.808	0.86	16.20	17.25	17.26*
-1737	5	26	1086763.7217	48.010	9.889	0.63	5.37*	6.22	7.14
-1736	10	9	1087266.0490	182.217	170.579	0.78	15.40	16.70	18.00
-1731	7	21	1088831.0828	287.949	359.501	0.29	16.94	17.28*	
-1731	7	18	1089008.7332	95.296	180.039	0.58	5.19	6.16	7.12
-1728	5	16	1090041.6461	35.210	174.744	0.03		5.47*	5.46
-1724	8	28	1091606.9114	139.957	358.218	0.40	10.65	11.85	13.04
-1720	6	16	1092994.7827	68.908	0.630	0.32	6.99	7.96	8.93
-1717	4	16	1094028.9562	10.314	356.984	0.38	13.42	14.41	15.40
-1716	9	28	1094559.7169	170.880	185.611	0.16		5.84*	6.18
-1713	7	29	1095594.0371	109.930	179.384	0.28	15.48	16.30	17.12
-1712	1	22	1095770.8440	288.100	7.323	0.74	7.98	9.39	10.79
-1710	5	27	1096626.9377	49.614	173.846	0.14	12.90	13.73	14.56
-1709	11	10	1097158.9733	214.182	6.647	0.86	12.39	14.26	16.13
-1706	3	16	1098015.7474	340.655	178.672	0.01	6.26	6.46	6.66
-1705	8	29	1098546.9396	140.363	6.060	0.48	11.79	13.05	14.31
-1703	1	12	1099048.7910	278.823	171.549	0.63	6.76*	7.75	8.80
-1702	6	27	1099580.0607	79.349	359.793	0.61	16.48	17.57	18.66
-1699	10	20	1100790.7544	193.094	177.691	0.52	6.13*	6.60	7.61
-1698	4	16	1100968.8752	10.614	4.904	0.97	9.61	11.08	12.55
-1693	1	22	1102710.8430	288.475	15.188	0.08	8.78	9.30	9.82
-1691	5	27	1103566.8476	49.904	181.759	0.27	9.23	10.17	11.10
-1689	4	7	1104246.7995	1.768	169.642	0.43	7.27	8.37	9.47
-1688	3	26	1104601.0345	351.196	177.949	0.91	15.49	16.75	17.93*
-1684	1	13	1105988.8121	279.235	179.359	0.06	7.60	7.99	8.38
-1682	11	11	1107022.0581	215.727	170.378	0.75	15.79	17.10	17.60*
-1677	2	23	1108587.0472	320.471	358.240	0.56	15.98	16.96	17.56*
-1677	8	20	1108764.6681	131.392	178.357	0.02		5.37*	5.34
-1662	10	31	1114315.8002	204.360	185.425	0.03	7.35	7.62	7.88
-1661	4	27	1114493.7570	21.035	11.683	0.37	6.08	7.00	7.91
-1659	8	30	1115349.9897	142.238	177.951	0.49	13.34	14.57	15.80
-1658	2	23	1115526.8668	320.661	6.149	0.68	9.22	10.61	11.99
-1655	12	12	1116914.9898	247.745	6.551	0.88	13.43	15.11	16.80
-1651	9	30	1118302.9977	173.378	5.346	0.80	13.62	14.91	16.20
-1649	2	14	1118804.8342	311.601	170.565	0.84	7.88	9.22	10.56
-1648	7	29	1119335.9229	111.015	357.601	0.45	10.94	12.61	14.28
-1645	11	22	1120546.8034	226.702	177.623	0.92	6.66	7.90	9.13
-1644	5	18	1120724.7591	41.852	2.277	0.21	6.85	7.53	8.22
-1642	9	21	1121580.9273	164.051	169.550	0.02	12.76	13.01	13.25
-1639	2	23	1122466.8817	321.067	13.974	0.10	10.05	10.66	11.28
-1638	7	9	1122968.1484	91.464	170.599	0.21	18.68	18.86*	
-1637	6	29	1123322.7881	81.274	179.246	0.77	6.84	7.93	9.02
-1635	5	9	1124002.6715	33.054	167.094	0.01		5.54*	5.56
-1634	4	28	1124356.8589	22.534	175.411	0.88	8.64	10.42	12.20
-1634	10	22	1124533.7217	195.304	357.339	0.30		6.15*	6.64
-1628	12	13	1126778.0759	249.283	170.257	0.39	16.60	17.29*	
-1626	5	29	1127310.0517	52.243	1.398	0.81	16.29	17.40	18.51
-1623	3	27	1128342.9742	352.336	356.329	0.22	14.29	15.12	15.95
-1622	9	10	1128874.7239	152.953	184.908	0.19		5.61*	6.25
-1619	7	9	1129908.1104	91.807	178.501	0.26	17.74	18.31	18.86*
-1615	10	22	1131473.7240	195.683	5.195	0.37		6.16*	6.68
-1611	8	9	1132860.8487	121.724	4.702	0.40	8.15	9.34	10.53
-1605	10	2	1135105.9824	175.209	177.165	0.40	12.87	14.12	15.37
-1604	3	27	1135282.8377	352.593	4.210	0.47	8.77	9.88	10.99
-1600	1	14	1136670.9750	280.991	6.078	0.90	12.99	14.63	16.28
-1597	11	2	1138059.0930	206.887	5.198	0.59	16.94	17.70*	
-1595	3	18	1138560.8313	343.717	168.874	0.46	8.26	9.36	10.47
-1594	8	31	1139091.8505	143.310	356.123	0.16	8.54	9.47	10.40
-1591	12	24	1140302.8545	260.239	177.503	0.40	8.04	9.24	10.44
-1589	6	9	1140834.8419	62.559	8.011	0.21	8.23	9.15	10.06
-1588	10	23	1141337.0018	197.423	169.239	0.65	13.98	15.24	16.49
-1585	3	28	1142222.8709	353.003	12.057	0.16	9.73	10.45	11.16
-1584	8	10	1142724.1125	123.414	168.750	0.49	17.58	18.34	18.71*
-1583	7	31	1143078.7650	113.061	177.176	0.70	5.98	6.97	7.97

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1580	5	30	1144112.6604	53.660	172.649	0.47		5.32*	5.78
-1576	3	18	1145500.8653	344.141	176.679	0.43	9.46	10.63	11.81
-1574	8	20	1146386.1159	132.834	12.121	0.19	17.71	18.22	18.62*
-1573	1	15	1146534.0602	282.526	169.743	0.10	16.62	17.16	17.26*
-1572	6	30	1147065.9273	83.555	358.868	0.78	11.32	13.08	14.83
-1571	6	19	1147420.1153	72.968	7.135	0.24	18.32	18.82*	
-1565	8	11	1149664.1027	123.786	176.637	0.28	17.22	17.82	18.43
-1564	7	31	1150018.7924	113.466	185.026	0.14	7.14	7.74	8.34
-1561	5	30	1151051.9717	53.382	179.754	0.84	13.34	14.97	16.61
-1561	11	24	1151229.8293	229.349	5.227	0.98	7.50	8.80	10.09
-1557	9	11	1152616.8562	154.297	3.547	0.68	8.25	9.67	11.09
-1551	11	3	1154862.0143	208.660	176.935	0.11	14.71	15.41	16.11
-1550	4	29	1155038.7812	24.036	1.774	0.05	7.94	8.29	8.63
-1546	2	15	1156426.9047	313.658	4.926	0.72	10.36	12.18	13.99
-1539	3	29	1159076.0868	354.988	183.896	0.12	17.42	17.91	17.98*
-1536	1	26	1160058.8761	293.352	176.930	0.19	9.33	10.36	11.38
-1535	7	11	1160590.6659	93.919	5.485	0.40		5.14*	5.52
-1534	11	25	1161093.0938	231.075	169.242	0.33	17.02	17.44*	
-1532	5	9	1161624.0936	34.456	0.904	0.88	17.38	18.29	18.48*
-1531	4	29	1161978.8211	24.452	9.616	0.54	8.00	9.03	10.06
-1530	9	12	1162480.1365	156.023	167.603	0.39	17.91	18.35*	
-1529	9	2	1162834.7908	145.467	175.768	0.23	6.99	7.71	8.43
-1524	12	4	1164754.9066	240.665	13.012	0.11	10.73	11.62	12.51
-1522	4	20	1165256.8192	15.707	174.402	0.94	7.87	9.13	10.40
-1518	8	2	1166821.8220	115.293	356.761	0.23	7.82	8.78	9.74
-1517	7	22	1167175.9457	104.481	4.733	0.32	12.27	13.70	15.13
-1511	9	12	1169420.1458	156.415	175.470	0.09	18.22	18.34*	
-1510	9	2	1169774.8013	145.855	183.630	0.52	6.77	7.82	8.87
-1507	7	1	1170807.8023	84.654	177.164	0.78	6.69	8.07	9.45
-1507	12	26	1170985.9226	262.920	5.156	0.47	11.09	12.53	13.97
-1503	10	13	1172372.9214	187.505	3.084	0.64	10.59	12.07	13.55
-1498	12	17	1174263.8146	253.478	169.201	0.05	8.27	8.69	9.12
-1497	12	6	1174618.0538	242.268	176.870	0.24	16.24	17.10	17.34*
-1492	3	19	1176182.7823	345.648	3.075	0.11	7.24	7.88	8.52
-1489	7	12	1177393.0860	95.169	176.372	0.68	16.96	17.95	18.86*
-1485	5	1	1178781.9799	26.379	181.473	0.53	13.83	15.12	16.40
-1484	10	13	1179312.9070	187.871	10.958	0.08	11.18	11.74	12.31
-1482	2	27	1179814.8530	325.835	175.680	0.45	8.57	9.92	11.27
-1478	6	11	1181380.0286	65.719	358.265	0.67	15.53	16.56	17.60
-1477	6	1	1181734.7519	55.703	6.970	1.01	6.13	7.10	8.07
-1475	4	10	1182414.0405	6.943	354.430	0.16	16.48	17.17	17.86
-1475	10	4	1182590.8672	178.525	175.067	0.55	9.18	10.35	11.52
-1474	3	30	1182768.0658	356.178	2.327	0.48	16.52	17.52	17.99*
-1471	1	27	1183802.0466	295.736	356.682	0.04	16.65	16.92	17.19
-1469	1	6	1184510.9374	274.071	12.757	0.17	11.60	12.68	13.77
-1468	5	22	1185012.7443	46.980	171.818	0.64	5.99	6.91	7.84
-1463	8	23	1186931.8275	136.557	2.983	0.66	6.90	8.42	9.93
-1461	12	28	1187788.7328	264.567	176.699	0.25		6.76*	7.01
-1459	6	11	1188320.0593	66.140	6.084	0.20	16.87	17.47	18.07
-1456	10	4	1189530.8562	178.893	182.943	0.35	8.39	9.40	10.40
-1453	8	3	1190563.6807	116.364	175.046	0.31		5.24*	5.57
-1452	1	28	1190741.9740	296.044	4.594	0.88	13.21	14.57	15.93
-1449	11	15	1192129.0235	221.119	3.055	0.22	15.32	16.09	16.85
-1445	3	10	1193340.0561	336.792	182.991	0.15	16.47	16.99	17.52
-1445	9	3	1193517.1356	147.396	2.572	0.19	18.10	18.45*	
-1444	8	22	1193871.1555	136.273	10.099	0.18	18.37	18.58*	
-1443	1	18	1194019.8652	286.746	168.801	0.47	8.85	10.29	11.73
-1442	1	7	1194374.0670	275.641	176.548	0.62	16.35	17.24*	
-1440	11	5	1195406.9531	211.658	167.056	0.25	12.78	13.72	14.67
-1437	4	10	1196292.8626	6.572	9.044	0.46	9.02	10.25	11.48
-1435	8	13	1197148.9872	127.070	174.485	0.79	13.64	15.01	16.38
-1431	6	2	1198537.8429	57.573	178.818	0.80	8.25	9.79	11.33
-1430	11	15	1199069.0263	221.505	10.898	0.60	14.81	15.90	16.99
-1428	3	31	1199570.7853	357.691	173.737	0.82	6.71	7.92	9.13

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1424	7	13	1201135.9828	97.230	355.875	0.14	14.20	14.85	15.50
-1423	7	3	1201490.6855	87.088	4.462	0.69	5.14*	5.29	6.09
-1421	11	6	1202346.9789	212.070	174.882	0.44	13.03	14.15	15.28
-1420	5	1	1202523.8909	27.502	359.746	0.53	10.55	12.10	13.66
-1417	3	1	1203558.0741	328.247	355.388	0.26	16.93	17.55	17.65*
-1416	8	13	1204088.6819	127.164	182.249	0.15		5.33*	5.51
-1415	2	7	1204266.9128	306.942	11.884	0.19	10.58	11.71	12.84
-1414	6	24	1204768.6624	78.285	169.255	0.06		5.16*	5.24
-1413	6	13	1205123.1268	67.990	177.931	0.47	18.23	18.79*	
-1413	12	7	1205299.7610	243.579	3.056	0.77	6.67*	6.85	7.85
-1410	4	11	1206156.0869	8.199	172.952	0.08	17.78	18.15*	
-1409	9	25	1206687.7695	169.295	1.978	0.85	5.82*	6.75	8.00
-1405	7	14	1208076.0035	97.627	3.732	0.69	14.46	15.62	16.79
-1398	3	1	1210497.9630	328.519	3.304	0.99	12.88	14.26	15.64
-1394	12	7	1212239.7754	243.971	10.900	0.09	6.93	7.35	7.78
-1391	4	11	1213096.0201	8.510	180.855	0.62	15.14	16.17	17.20
-1391	10	5	1213273.0923	180.353	1.769	0.09	17.41	17.90	18.04*
-1390	9	24	1213627.1213	169.036	9.115	0.63	17.39	18.18*	
-1389	2	20	1213775.8554	319.407	167.729	0.25	8.90	10.03	11.17
-1388	2	9	1214130.0252	308.478	175.621	0.90	14.99	16.32	17.43*
-1386	12	8	1215163.0701	245.344	167.050	0.23	16.63	17.30	17.32*
-1385	11	28	1215517.7273	234.538	174.878	0.25		6.60*	6.92
-1383	5	12	1216048.7426	37.871	6.456	0.78	5.90	6.91	7.92
-1381	9	15	1216904.9488	159.652	173.276	0.64	12.06	13.51	14.97
-1377	7	5	1218293.7062	88.896	176.308	0.97	5.14*	5.55	6.55
-1376	6	23	1218647.8362	78.245	184.443	0.03	8.98	9.38	9.78
-1374	5	3	1219326.6923	29.088	171.313	0.80	5.59*	5.69	6.58
-1368	7	24	1221601.1212	108.416	10.917	0.08	18.33	18.69	18.81*
-1367	12	8	1222103.1023	245.757	174.876	0.08	17.27	17.32*	
-1365	5	23	1222634.0386	48.267	5.578	0.06	16.60	16.98	17.36
-1363	4	2	1223314.0488	0.114	353.411	0.04	16.82	17.11	17.40
-1362	9	15	1223844.7018	159.787	181.124	0.54		5.70*	6.20
-1361	3	12	1224022.8232	339.136	10.271	0.62	7.33	8.78	10.22
-1359	7	15	1224878.9959	99.426	175.539	0.77	14.26	15.58	16.90
-1358	1	8	1225055.8563	277.034	2.832	0.03	9.47	9.86	10.25
-1355	10	27	1226443.7558	202.612	1.547	0.91	6.25*	6.51	7.70
-1351	8	15	1227831.9780	129.630	1.928	0.80	13.10	14.44	15.78
-1348	6	13	1228864.9899	69.046	356.121	0.32	14.44	15.56	16.69
-1344	4	2	1230253.8905	0.340	1.317	0.51	10.64	11.99	13.35
-1339	1	8	1231995.8831	277.440	10.667	0.77	9.33	10.80	12.27
-1337	5	14	1232851.9606	39.854	178.320	0.95	13.02	14.38	15.74
-1337	11	7	1233029.0944	213.790	1.508	0.02	17.60	17.62*	
-1334	3	13	1233885.9199	340.639	173.973	0.78	10.85	12.74	14.62
-1331	12	30	1235273.8403	268.106	174.748	0.75	7.88	9.12	10.35
-1327	10	17	1236660.9755	192.850	172.779	0.95	12.69	14.23	15.76
-1314	8	26	1241357.0556	140.572	9.299	0.40	15.92	16.86	17.81
-1311	6	24	1242389.9365	79.543	3.005	0.52	11.86	13.29	14.72
-1308	10	17	1243600.7766	193.031	180.659	0.92	6.20	7.25	8.31
-1307	4	13	1243778.6724	10.723	7.985	0.27		5.82*	6.07
-1305	8	17	1244634.8979	131.375	173.679	0.13	11.10	11.97	12.85
-1304	2	10	1244811.9129	309.959	2.008	0.21	11.75	12.62	13.49
-1304	8	5	1244988.9544	120.417	181.429	0.36	11.96	13.35	14.75
-1301	11	29	1246199.7714	236.189	1.440	0.60	6.61*	6.88	8.02
-1300	11	17	1246553.8457	224.777	8.750	0.39	8.10	9.33	10.57
-1297	9	17	1247587.9939	162.293	0.818	0.20	13.94	14.75	15.56
-1295	1	31	1248089.8834	300.805	166.298	0.21	10.13	11.05	11.97
-1285	2	10	1251751.9479	310.373	9.843	0.40	12.14	13.23	14.31
-1283	6	15	1252607.8984	71.134	175.707	0.43	10.71	11.94	13.17
-1280	4	14	1253641.7571	12.206	171.676	0.71	5.88	7.09	8.31
-1276	2	1	1255029.9149	301.216	174.129	0.64	10.78	12.23	13.69
-1273	11	19	1256417.0414	226.435	172.704	0.75	15.31	16.57	17.48*
-1272	5	15	1256595.0502	42.095	357.911	0.67	16.26	17.37	18.48
-1264	6	15	1259547.9175	71.530	183.563	0.33	11.36	12.54	13.71
-1261	4	14	1260581.0792	11.933	178.798	0.94	16.92	18.01	18.20*

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1261	10	9	1260758.7008	184.403	0.496	0.29		6.02*	6.27
-1260	9	27	1261113.0369	173.386	8.395	0.72	14.98	16.25	17.53
-1257	7	27	1262145.8732	111.183	0.819	0.99	8.95	10.52	12.10
-1254	11	19	1263356.8854	226.658	180.603	0.04	9.90	10.28	10.67
-1250	3	14	1264567.9214	342.227	0.452	0.39	12.00	13.05	14.09
-1250	9	7	1264744.8578	152.756	179.943	0.95	7.83	9.56	11.29
-1247	12	31	1265955.7814	269.646	1.220	0.18	6.77*	7.04	7.80
-1246	12	20	1266309.9045	258.361	8.716	0.89	9.70	11.58	13.45
-1237	12	11	1269587.7590	248.854	172.699	0.24	6.70*	6.96	7.66
-1235	5	26	1270119.7476	52.304	4.345	0.60	5.86	6.93	8.00
-1234	5	15	1270473.7883	41.654	12.372	0.01	7.48	7.60	7.72
-1231	3	14	1271507.9573	342.647	8.283	0.19	12.86	13.62	14.37
-1222	3	5	1274785.9337	333.683	172.810	0.75	11.67	13.10	14.52
-1218	6	17	1276350.8965	73.292	355.230	0.12	11.33	12.21	13.08
-1217	6	6	1276705.0147	62.679	3.423	0.43	15.26	16.45	17.63
-1210	7	18	1279303.8517	103.054	181.232	0.81	8.29	9.74	11.20
-1207	5	16	1280336.9090	43.169	176.162	0.59	10.68	12.43	14.17
-1207	11	10	1280514.7817	217.937	0.383	0.53	6.43*	7.36	8.37
-1206	10	30	1280869.0579	206.743	8.079	0.84	15.71	16.98	17.70*
-1203	8	28	1281901.8647	143.417	359.273	0.67	8.65	10.06	11.47
-1196	4	15	1284323.8879	13.911	358.253	0.13	11.39	12.05	12.71
-1196	10	9	1284500.8203	185.743	179.160	0.86	6.88	8.32	9.76
-1191	1	21	1286065.9353	291.606	8.261	0.79	11.31	12.95	14.59
-1185	3	16	1288311.0754	344.558	180.092	0.70	16.63	17.65	17.85*
-1184	8	28	1288841.8681	143.814	7.111	0.10	9.55	10.16	10.78
-1182	1	12	1289343.8162	282.252	172.406	0.84	7.10	8.41	9.73
-1177	4	16	1291263.9196	14.321	6.102	0.46	11.31	12.48	13.64
-1174	2	12	1292297.0628	313.513	0.068	0.84	16.25	17.36	17.48*
-1170	5	27	1293861.8603	53.624	183.017	0.15	9.75	10.56	11.37
-1170	11	21	1294039.7476	229.145	8.029	0.13		6.54*	7.00
-1168	4	6	1294541.8998	5.510	170.834	0.22	10.91	11.87	12.82
-1163	7	8	1296460.8226	93.976	0.787	0.74	7.22	8.72	10.23
-1158	4	16	1298203.7746	14.574	13.985	0.06	7.03	7.43	7.83
-1156	8	19	1299059.8179	135.095	179.446	0.83	7.11	8.41	9.72
-1153	6	18	1300092.7452	74.365	173.478	0.54	5.58	6.57	7.56
-1152	12	1	1300625.0903	240.355	7.995	0.35	16.88	17.36*	
-1149	9	30	1301657.9147	176.320	358.452	0.05	11.26	11.75	12.23
-1145	1	23	1302869.0834	293.568	180.103	0.23	16.96	17.31*	
-1145	7	19	1303046.1018	104.493	0.023	0.22	17.60	18.28	18.83*
-1143	11	22	1303902.8642	230.722	171.824	0.41	8.85	10.24	11.63
-1142	11	11	1304256.8267	219.198	178.890	0.79	7.05	8.43	9.81
-1137	2	23	1305821.9261	324.249	7.165	0.71	11.18	12.67	14.16
-1135	6	28	1306678.0327	84.807	172.650	0.38	16.04	16.95	17.86
-1131	4	17	1308066.9680	16.160	177.885	0.92	13.17	14.72	16.27
-1130	9	30	1308597.9319	176.731	6.268	0.83	11.16	12.59	14.03
-1128	2	14	1309099.8378	315.105	171.545	0.93	7.84	9.32	10.80
-1123	5	18	1311019.8429	45.646	3.509	0.92	8.63	9.93	11.22
-1120	3	16	1312052.9615	345.661	358.364	0.42	13.50	14.72	15.94
-1118	2	23	1312761.8077	324.508	15.067	0.11	7.70	8.26	8.83
-1116	6	28	1313617.7708	84.935	180.483	0.51	6.38	7.34	8.31
-1116	12	23	1313795.7757	262.690	7.904	0.59	6.76*	7.06	8.23
-1108	7	29	1316570.7540	114.848	6.522	0.43	5.37	6.29	7.20
-1102	9	21	1318815.8313	167.781	178.380	0.75	7.59	8.89	10.19
-1098	7	9	1320203.0793	95.446	179.693	0.17	16.97	17.50	18.04
-1091	2	24	1322625.1209	326.246	178.969	0.03	17.63	17.62*	
-1091	8	20	1322801.9704	136.445	358.123	0.14	13.16	14.08	15.00
-1090	8	9	1323156.0579	125.504	5.919	0.81	15.88	17.02	18.16
-1089	12	25	1323658.8794	264.245	171.642	0.75	8.76	10.64	12.52
-1088	12	13	1324012.8469	252.775	178.762	0.36	7.67	8.84	10.02
-1083	3	27	1325577.8721	356.244	5.356	0.93	9.46	10.93	12.40
-1077	5	20	1327822.8184	47.402	175.281	0.81	7.47	8.90	10.32
-1076	5	8	1328176.9297	36.812	183.446	0.17	12.28	13.38	14.48
-1076	11	1	1328354.0363	210.183	6.015	0.66	15.22	16.30	17.37
-1074	3	18	1328855.8135	347.305	169.973	0.60	7.54	8.75	9.97

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-1069	6	20	1330775.7582	76.915	0.899	0.31	6.51	7.26	8.00
-1067	10	23	1331631.9859	200.776	170.052	0.80	13.38	14.66	15.94
-1065	10	2	1332340.7979	178.823	185.847	0.09	6.87	7.42	7.97
-1064	3	27	1332517.7929	356.556	13.238	0.33	7.21	8.03	8.86
-1062	7	31	1333373.7192	116.623	178.336	1.01	5.24*	5.73	6.68
-1061	1	25	1333551.7645	295.855	7.342	0.95	6.67*	6.73	8.01
-1059	5	30	1334408.0982	57.788	174.391	0.64	17.74	18.67	18.72*
-1059	11	23	1334584.7547	232.221	358.211	0.13	6.57*	6.73	7.22
-1057	11	2	1335293.9943	210.520	13.897	0.05	14.40	14.87	15.34
-1055	3	18	1335795.7900	347.659	177.853	0.06	7.59	7.99	8.39
-1054	8	31	1336326.6843	147.046	4.937	0.05		5.54*	5.55
-1051	6	30	1337361.0661	87.382	0.091	0.58	16.52	17.45	18.38
-1048	4	28	1338394.1049	27.659	355.218	0.14	18.09	18.39*	
-1048	10	23	1338571.8858	201.055	177.957	0.72	9.15	10.57	11.99
-1044	8	10	1339959.0445	127.316	177.733	0.33	15.51	16.29	17.08
-1043	2	4	1340137.0791	306.784	6.991	0.01	17.26	17.42*	
-1040	11	23	1341524.7827	232.641	6.008	0.76	6.58*	7.53	8.56
-1037	3	29	1342381.1138	358.274	177.161	0.41	17.68	18.02*	
-1036	9	10	1342912.0071	157.936	4.559	0.80	13.94	15.33	16.71
-1034	1	26	1343414.8531	297.390	171.012	0.71	7.92	9.73	11.54
-1033	1	15	1343768.8446	286.099	178.339	0.12	8.05	8.84	9.63
-1032	6	30	1344300.7912	87.495	7.909	0.29	6.60	7.46	8.32
-1029	4	29	1345333.7868	27.731	2.993	0.32	7.47	8.32	9.17
-1023	6	21	1347578.6535	78.601	172.615	0.20		5.16*	5.34
-1022	6	10	1347932.7258	67.949	180.675	0.09	5.72	6.20	6.68
-1020	4	19	1348611.7523	18.940	167.786	0.19	6.51	7.13	7.74
-1014	7	11	1350886.0798	97.986	7.116	0.42	17.01	17.88	18.75
-1013	11	25	1351388.1020	234.417	170.017	0.21	17.22	17.41*	
-1011	5	9	1351919.0883	38.160	2.131	0.68	17.29	18.22	18.52*
-1010	4	29	1352273.7479	28.077	10.883	0.65	6.09	6.99	7.88
-1008	9	1	1353129.7200	148.910	176.806	0.48	5.57*	5.71	6.52
-1004	6	20	1354517.9931	78.354	179.776	0.68	14.05	15.50	16.96
-1001	4	20	1355551.7549	19.326	175.640	0.54	6.34	7.23	8.12
-999	9	21	1356437.1176	169.053	12.134	0.34	17.49	18.18	18.18*
-997	8	2	1357117.0021	119.084	357.953	0.15	14.58	15.27	15.96
-990	9	12	1359715.0645	159.825	176.441	0.19	16.10	16.71	17.31
-989	3	9	1359892.9852	339.106	5.478	0.34	13.69	14.84	15.99
-989	9	2	1360069.7420	149.327	184.629	0.34	5.57*	6.26	6.99
-986	12	26	1361280.9006	266.260	5.964	0.54	10.20	11.60	12.99
-983	4	30	1362137.0715	29.789	174.816	0.48	16.98	17.78	18.42*
-982	10	13	1362668.0257	191.002	3.956	0.42	14.87	15.98	17.09
-980	2	28	1363170.7748	329.904	169.750	0.46	6.33*	7.37	8.55
-979	2	16	1363524.8049	318.861	177.370	0.21	7.03	7.92	8.82
-978	8	2	1364056.6662	119.135	5.699	0.02		5.26*	5.25
-977	12	17	1364558.8421	256.853	169.986	0.43	8.43	9.52	10.62
-964	4	30	1369077.0757	30.182	182.658	0.28	17.04	17.72	18.40
-961	2	27	1370110.1108	329.643	176.871	0.19	17.50	17.66*	
-960	8	12	1370641.9645	129.810	5.083	0.58	12.64	14.16	15.68
-957	6	11	1371674.9962	69.406	359.499	0.91	14.29	15.58	16.87
-956	5	31	1372029.6846	59.359	8.243	1.02	5.27*	5.46	6.28
-954	10	4	1372885.7781	181.853	175.989	0.30	6.69	7.46	8.23
-950	7	23	1374273.8173	109.803	177.330	0.55	6.86	8.27	9.69
-947	5	22	1375307.6959	50.654	173.072	1.01	5.35*	5.76	6.62
-946	11	4	1375838.7290	213.324	3.834	0.54		6.37*	6.99
-940	12	27	1378084.0276	268.232	177.800	0.21	15.57	16.37	17.17
-935	4	10	1379648.8326	10.796	3.281	0.50	8.31	9.71	11.11
-935	10	4	1379825.8064	182.276	183.800	0.41	7.10	7.99	8.88
-934	3	30	1380002.8724	0.016	11.183	0.09	9.56	10.25	10.95
-933	8	14	1380505.0862	131.359	168.926	0.37	17.02	17.86	18.63*
-932	8	2	1380859.1002	120.402	176.617	0.38	17.13	17.98	18.73*
-931	1	27	1381036.9801	299.504	5.452	0.96	13.39	14.64	15.89
-929	6	2	1381893.0055	61.081	172.176	0.04	15.79	16.11	16.43
-928	11	14	1382424.0870	224.528	3.835	0.40	16.98	17.50*	
-925	3	21	1383280.7136	350.975	175.690	0.44		6.07*	6.73

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-924	3	9	1383635.0639	340.376	184.042	0.02	17.07	17.26	17.46
-922	1	18	1384314.9294	290.227	169.665	0.68	11.26	12.78	14.30
-919	11	5	1385701.9592	215.018	167.832	0.36	12.78	13.97	15.16
-918	5	2	1385880.0157	31.896	354.340	0.15	15.79	16.48	17.18
-917	4	21	1386234.1060	21.250	2.439	0.40	17.78	18.32*	
-912	1	28	1387976.8499	299.756	13.357	0.26	8.40	9.48	10.56
-910	6	2	1388832.9867	61.442	180.059	0.78	13.94	15.24	16.54
-909	11	15	1389363.9354	224.767	11.705	0.42	11.51	12.79	14.07
-907	3	31	1389866.0048	1.551	174.974	0.44	14.74	15.89	17.03
-906	9	14	1390397.8984	162.253	3.754	0.78	9.37	11.24	13.11
-903	7	13	1391430.9243	100.853	357.051	0.45	11.42	12.73	14.04
-900	11	5	1392641.8767	215.328	175.713	0.94	9.14	10.47	11.79
-896	3	1	1393852.9932	331.710	356.460	0.14	14.90	15.46	16.01
-896	8	24	1394029.6928	141.796	175.468	0.12		5.48*	5.63
-895	8	13	1394383.8317	130.895	183.369	0.50	7.37	8.68	10.00
-892	12	6	1395594.8037	246.963	3.836	0.70	6.72	7.93	9.13
-885	1	29	1397840.0534	301.395	177.268	0.77	15.90	17.02	17.37*
-884	7	13	1398370.9457	101.255	4.905	0.34	12.42	13.49	14.57
-880	5	1	1399758.7160	31.427	8.711	0.90	5.56*	6.10	7.14
-879	9	15	1400261.0079	163.808	167.566	0.11	15.15	15.80	16.44
-878	9	4	1400614.9966	152.612	174.990	0.82	13.54	15.00	16.45
-877	3	1	1400793.0107	332.120	4.289	0.57	14.55	15.57	16.60
-870	4	11	1403391.0055	12.164	182.019	0.41	14.78	15.78	16.79
-868	2	20	1404070.9665	323.031	168.733	0.04	13.77	14.16	14.55
-865	12	8	1405458.0496	248.669	167.823	0.32	15.96	16.83	17.30*
-863	5	23	1405989.9061	52.439	359.696	0.78	10.54	12.43	14.32
-858	2	1	1407732.8356	332.330	12.181	0.38	7.95	9.12	10.29
-856	7	4	1408588.8945	92.782	177.550	0.64	10.05	11.61	13.18
-855	12	17	1409120.0495	258.432	11.698	0.11	16.03	16.53	17.03
-853	5	3	1409621.8672	32.973	172.556	0.29	9.39	10.58	11.77
-852	10	16	1410153.8806	195.324	3.103	0.80	8.62	10.40	12.19
-846	12	8	1412397.9970	249.008	175.690	0.24	14.25	15.11	15.98
-842	4	2	1413608.9807	3.701	354.549	0.06	14.82	15.21	15.59
-841	9	15	1414139.7998	163.366	182.077	0.74	6.46	7.70	8.93
-837	1	8	1415350.8710	280.442	3.655	0.19	9.51	10.50	11.48
-831	3	2	1417596.0176	333.928	176.052	0.79	14.82	16.09	17.36
-830	8	15	1418126.9312	133.184	2.978	0.88	11.24	12.70	14.17
-825	10	18	1420016.9803	196.879	166.876	0.09	14.23	14.93	15.64
-824	10	6	1420370.9561	185.480	174.085	0.94	11.81	13.52	15.23
-823	4	2	1420548.9865	4.081	2.435	0.69	13.84	15.04	16.23
-819	7	15	1422113.8346	103.326	184.499	0.20	7.98	8.97	9.96
-818	1	8	1422290.7836	280.738	11.543	0.43	6.75*	7.49	8.41
-816	5	13	1423146.9220	43.542	179.537	0.86	11.35	12.90	14.46
-810	12	30	1425568.7393	271.384	175.600	0.53		6.77*	7.24
-808	6	13	1426099.8315	73.011	5.116	0.65	7.66	8.99	10.31
-804	4	2	1427488.7551	4.249	10.272	0.72	5.90*	6.99	8.10
-802	8	6	1428344.8219	124.508	175.442	0.19	7.77	8.60	9.44
-799	6	4	1429377.7218	64.182	169.905	0.17	5.53	6.10	6.66
-798	11	18	1429909.8935	228.817	2.896	0.38	9.31	10.87	12.43
-797	11	7	1430263.8563	217.302	9.958	0.13	8.87	9.73	10.60
-791	1	9	1432154.1064	282.509	175.492	0.02	17.28	17.26*	
-791	7	5	1432330.9776	94.059	356.088	0.17	13.92	14.87	15.81
-790	6	24	1432685.1171	83.433	4.261	0.88	17.87	18.82	18.86*
-787	10	17	1433895.8284	196.483	181.471	0.57	7.38	8.55	9.72
-784	8	16	1434930.1405	135.205	174.885	0.41	17.99	18.59*	
-783	2	9	1435106.9031	313.442	2.925	0.35	11.06	12.25	13.43
-777	4	4	1437351.9146	5.811	174.118	0.59	10.86	12.54	14.21
-776	3	23	1437705.9886	355.019	182.039	0.27	14.39	15.45	16.50
-776	9	16	1437882.9621	165.753	1.743	0.45	12.48	13.64	14.79
-774	1	31	1438384.8305	304.215	167.201	0.26	8.23	9.17	10.12
-771	11	19	1439772.9857	230.369	166.629	0.16	14.09	15.07	16.04
-770	11	8	1440126.9648	218.871	173.743	0.71	12.10	13.84	15.59
-769	5	5	1440304.9103	35.556	0.015	0.76	11.13	12.59	14.05
-765	8	17	1441869.7144	135.168	182.502	0.44		5.41*	6.29

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-764	2	10	1442046.8514	313.769	10.817	0.75	8.43	9.76	11.10
-762	6	15	1442902.8392	74.807	176.933	0.75	8.20	9.52	10.85
-755	1	31	1445324.8238	304.589	175.060	0.50	7.60	8.69	9.77
-754	7	16	1445855.6989	104.405	2.657	0.61	5.17*	5.32	6.20
-744	6	25	1449488.1469	85.265	176.079	0.38	18.51	18.86*	
-744	12	20	1449665.9099	262.377	2.760	0.14	11.01	12.13	13.26
-743	6	15	1449842.8598	75.217	184.759	0.08	9.80	10.33	10.86
-743	12	9	1450019.8769	250.884	9.853	0.55	8.68	10.42	12.17
-736	7	26	1452441.0000	114.963	1.949	0.86	14.01	15.38	16.75
-732	5	15	1453829.9042	46.063	6.938	0.12	10.75	11.56	12.37
-730	9	18	1454686.1237	167.740	173.655	0.53	17.50	18.20*	
-729	3	14	1454862.8918	345.796	1.491	0.37	10.85	11.98	13.12
-723	5	6	1457107.7605	37.196	171.645	0.54	6.10	7.18	8.26
-722	4	25	1457461.8161	26.519	179.653	0.20	8.01	8.97	9.92
-716	12	10	1459882.9982	252.462	173.640	0.69	13.87	15.40	16.93
-710	3	14	1461802.8681	346.163	9.350	0.67	9.26	10.51	11.76
-708	7	17	1462658.7768	106.289	174.512	0.28	6.52	7.28	8.04
-704	5	5	1464047.0856	36.933	178.774	0.81	17.20	18.29	18.50*
-703	10	19	1464578.9339	199.211	9.096	0.54	11.23	12.73	14.24
-701	3	5	1465080.8611	337.175	173.847	0.80	8.99	10.37	11.76
-699	8	6	1465966.1232	125.801	9.178	0.60	17.65	18.45	18.68*
-690	7	28	1469244.1004	116.876	173.822	0.81	17.07	17.93	18.76*
-689	1	22	1469421.8966	295.627	2.269	0.14	11.05	12.10	13.15
-689	7	18	1469598.8112	106.704	182.350	0.59	7.26	8.36	9.47
-688	1	11	1469775.8868	284.292	9.554	0.73	8.96	10.90	12.83
-686	11	10	1470809.7765	221.312	1.105	0.62	6.46*	7.33	8.30
-682	8	28	1472196.9376	147.063	0.235	0.54	11.29	12.80	14.31
-678	6	17	1473595.7366	77.246	4.231	0.75	5.36	6.40	7.44
-661	1	12	1479639.0209	285.872	173.354	0.83	14.80	16.13	17.27*
-660	6	27	1480171.0122	87.676	3.346	0.65	14.84	16.15	17.45
-659	11	11	1480673.0771	223.075	165.113	0.04	17.20	17.51	17.52*
-656	4	15	1481558.8429	17.946	7.244	0.85	8.61	9.82	11.03
-650	6	7	1483802.8816	68.093	175.994	0.45	9.39	11.08	12.76
-649	11	21	1484335.0033	232.767	9.002	0.77	13.95	15.37	16.79
-647	4	6	1484836.8487	9.126	171.949	0.66	8.78	10.04	11.29
-645	9	8	1485722.1320	158.155	7.740	0.78	17.65	18.32*	
-640	11	11	1487612.8499	223.228	172.964	0.46	8.47	9.73	10.99
-636	8	29	1489000.1007	149.045	172.151	0.83	16.88	17.77	18.43*
-635	8	19	1489354.7967	138.673	180.458	1.01	6.62	7.78	8.95
-634	2	12	1489531.8583	317.204	8.717	0.85	8.24	9.99	11.74
-632	6	17	1490388.1506	78.487	175.092	0.19	18.68	18.84*	
-628	9	29	1491952.9443	179.817	359.284	0.01	12.67	12.87	13.07
-624	1	23	1493164.0484	296.983	180.924	0.09	16.41	16.85	17.30
-610	4	17	1498362.1285	20.011	179.055	0.19	18.15	18.30*	
-609	9	30	1498892.8332	180.099	7.164	0.26	8.14	9.00	9.85
-607	2	13	1499395.0057	318.785	172.527	0.42	14.51	15.62	16.74
-606	7	30	1499926.8595	119.206	0.994	0.95	7.97	9.77	11.58
-603	5	28	1500960.0691	59.346	355.972	0.20	17.05	17.65	18.25
-602	5	18	1501314.7888	49.327	4.717	0.79	7.17	8.20	9.24
-596	7	9	1503558.6970	99.363	173.375	0.42		5.15*	5.94
-595	6	28	1503912.8925	88.783	181.650	0.68	9.64	11.37	13.09
-595	12	23	1504091.0692	266.374	8.948	0.25	16.47	17.21	17.24*
-593	5	9	1504592.7964	40.605	169.531	0.14	7.73	8.30	8.88
-587	7	29	1506866.1682	118.918	8.077	0.08	18.69	18.74*	
-586	12	14	1507368.9027	256.842	172.893	0.88	9.64	11.49	13.34
-584	5	28	1507900.0985	59.756	3.817	0.66	17.55	18.39	18.73*
-583	5	18	1508254.7739	49.703	12.575	0.06	7.01	7.36	7.72
-581	9	21	1509110.8264	171.277	179.247	0.92	7.54	8.76	9.98
-580	3	16	1509287.7795	349.477	7.169	0.75	6.39	7.66	8.93
-578	7	20	1510143.9748	109.873	172.571	0.27	14.06	15.09	16.11
-577	1	14	1510321.9800	288.454	0.868	0.25	14.18	15.02	15.85
-574	5	9	1511532.7329	40.934	177.407	0.38	5.81	6.60	7.40
-570	2	24	1512920.0721	329.741	179.937	0.64	16.47	17.41	17.66*
-563	4	7	1515518.9810	10.851	358.514	0.71	13.85	15.33	16.80

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-558	1	14	1517261.7625	288.618	8.726	0.73	6.71*	6.76	7.92
-556	5	19	1518118.0316	51.353	176.551	0.75	15.69	16.81	17.92
-555	11	1	1518648.9262	213.469	6.820	0.93	10.89	12.41	13.93
-553	3	18	1519150.9448	351.054	171.022	0.12	12.78	13.55	14.33
-552	8	31	1519682.7486	151.287	359.246	0.57	5.59*	6.28	7.36
-551	8	20	1520036.7487	140.223	6.803	0.20	5.47*	5.97	6.67
-548	6	19	1521070.7212	80.624	2.059	0.35	5.58	6.25	6.93
-546	10	23	1521926.8802	204.082	170.870	0.28	10.10	11.03	11.97
-543	3	27	1522812.7728	0.174	14.295	0.14	6.83	7.39	7.96
-541	7	31	1523668.7905	120.359	179.391	0.91	6.24	7.51	8.77
-538	11	23	1524879.7265	235.568	358.917	0.09		6.60*	6.72
-533	8	31	1526622.0508	150.982	6.299	0.92	15.45	16.72	17.98
-531	1	15	1527124.9315	290.232	172.591	0.93	11.06	12.97	14.88
-530	6	30	1527656.0360	91.087	1.227	0.87	15.48	16.55	17.61
-529	6	20	1528010.6768	80.962	9.955	0.47		5.15*	5.68
-527	10	23	1528866.9016	204.489	178.709	0.43	9.96	11.10	12.24
-523	2	15	1530078.0264	321.401	0.074	0.77	15.20	16.26	17.32
-519	5	30	1531642.9240	61.765	183.323	0.31	11.46	12.88	14.30
-516	3	28	1532676.0480	1.862	178.229	0.98	15.88	16.94	18.00
-508	4	28	1535628.9487	31.613	4.171	0.38	12.39	13.68	14.97
-506	9	1	1536485.1585	152.527	170.102	0.11	18.31	18.39*	
-504	2	16	1537017.7586	321.518	7.893	0.87	6.43*	6.80	8.01
-502	6	21	1537873.9160	82.599	173.943	0.09	12.09	12.79	13.48
-501	12	4	1538405.0438	247.130	6.789	1.01	15.55	16.64	17.31*
-494	7	22	1540826.6706	112.139	359.678	0.01		5.21*	5.21
-492	11	24	1541682.9960	237.695	170.756	0.99	13.79	15.10	16.42
-491	5	20	1541860.0621	52.589	355.001	0.06	17.28	17.70	18.11
-489	4	29	1542568.7010	31.764	11.995	0.52	5.56*	5.79	6.57
-487	9	1	1543424.7460	152.506	177.736	0.55	5.61*	6.30	7.26
-480	4	19	1545846.6819	22.961	176.779	0.19		5.66*	5.97
-479	10	2	1546377.9973	183.709	5.252	0.75	13.49	15.06	16.63
-477	2	17	1546880.9078	323.097	171.712	0.67	10.27	12.10	13.94
-476	2	6	1547234.9321	311.943	179.215	0.07	12.64	13.36	14.09
-476	8	1	1547411.9950	122.743	359.001	0.33	14.05	14.97	15.88
-469	3	20	1549824.0143	353.691	358.564	0.75	14.92	16.05	17.19
-469	9	12	1550010.0767	163.373	177.328	0.03	16.81	17.07	17.32
-465	7	2	1551398.7453	92.991	180.655	0.43	5.44	6.41	7.38
-465	12	26	1551575.7869	269.549	6.729	0.93	6.76*	7.58	8.68
-462	4	30	1552431.9918	33.448	175.959	0.56	14.34	15.47	16.60
-457	8	2	1554351.8975	123.028	6.902	0.02	11.01	11.32	11.62
-456	12	16	1554853.7453	260.137	170.739	0.10		6.75*	7.15
-454	5	31	1555384.8077	62.853	1.533	0.53	7.54	8.69	9.84
-452	10	3	1556241.1214	185.286	169.080	0.35	17.55	17.97*	
-450	3	20	1556773.6898	353.757	6.323	0.25		6.04*	6.30
-449	3	9	1557127.7624	342.859	14.151	0.06	6.44	6.89	7.34
-447	7	12	1557984.0234	103.456	179.829	0.34	14.99	16.00	17.01
-443	4	30	1559372.0220	33.857	183.794	0.18	15.56	16.19	16.83
-437	12	17	1561793.7415	260.521	178.588	0.45		6.75*	7.20
-436	6	10	1561970.0958	73.259	0.646	0.70	17.39	18.35	18.82*
-433	10	4	1563180.7632	185.314	176.784	0.39	6.11	6.97	7.84
-432	3	30	1563358.9858	4.362	5.643	0.13	14.12	14.87	15.62
-430	8	3	1564215.1113	124.664	170.884	0.76	17.38	18.30	18.69*
-425	11	4	1566133.9981	217.003	4.824	0.54	13.87	15.32	16.77
-423	3	21	1566636.8179	355.302	170.103	0.45	7.50	8.81	10.11
-422	3	10	1566990.8396	344.358	177.803	0.23	8.41	9.55	10.69
-415	4	21	1569589.9445	25.386	356.405	0.31	13.02	14.09	15.16
-415	10	14	1569766.1132	196.389	176.602	0.01	17.83	17.83*	
-410	1	27	1571331.8815	302.865	6.316	0.64	9.71	11.07	12.44
-408	6	1	1572187.9221	64.753	173.386	0.06	12.46	12.95	13.44
-403	9	3	1574107.8503	155.202	5.280	0.37	8.19	9.40	10.60
-401	1	18	1574609.8476	293.590	170.450	0.83	8.28	9.64	11.01
-393	8	14	1577739.8772	135.179	177.663	0.63	8.85	10.61	12.37
-392	8	2	1578093.8885	124.253	185.380	0.07	9.77	10.48	11.19
-391	1	27	1578271.8914	303.269	14.143	0.11	10.26	10.97	11.68

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-389	6	2	1579127.9572	65.176	181.198	0.67	12.75	14.07	15.39
-388	11	14	1579658.9370	228.163	12.394	0.27	11.69	12.88	14.06
-382	1	18	1581549.8218	293.958	178.304	0.08	7.83	8.34	8.86
-382	7	13	1581725.9802	104.622	358.150	0.43	13.52	14.73	15.94
-379	11	5	1582936.8330	218.680	176.444	0.89	7.75	9.00	10.26
-378	5	2	1583114.8385	35.843	3.239	0.74	8.28	9.75	11.22
-376	9	4	1583971.0474	156.836	169.251	0.51	15.66	16.68	17.70
-371	12	6	1585890.0300	250.580	4.719	0.75	15.23	16.52	17.29*
-369	4	23	1586392.6689	26.913	167.849	0.00		5.61*	5.61
-368	4	11	1586746.6942	16.144	175.725	0.45		5.75*	6.42
-363	7	13	1588665.8591	104.896	6.035	0.21	8.91	9.76	10.61
-360	5	12	1589700.1118	46.262	2.338	0.62	17.91	18.60*	
-360	11	5	1589876.7948	219.036	184.310	0.08	7.21	7.62	8.02
-356	3	1	1591087.9264	335.608	5.226	0.97	11.48	12.82	14.16
-350	4	22	1593331.9707	26.624	174.918	0.35	13.67	14.95	16.23
-349	10	6	1593863.8486	188.016	4.369	0.75	7.92	9.39	10.87
-348	9	24	1594218.0045	176.889	12.051	0.06	14.85	15.37	15.88
-347	2	19	1594365.9090	326.518	169.606	0.47	10.82	12.08	13.34
-339	9	15	1597495.7811	167.510	176.153	0.23	6.37	7.24	8.11
-338	9	4	1597849.7815	156.363	183.644	0.48	5.92	7.04	8.16
-335	7	4	1598883.8919	96.524	178.640	0.83	9.90	11.41	12.92
-334	12	17	1599415.0223	261.801	12.379	0.03	15.42	15.74	16.06
-332	10	27	1600094.7543	210.046	356.245	0.01	6.61	6.74	6.87
-328	2	20	1601305.8565	326.857	177.475	0.16	9.22	10.07	10.91
-328	8	14	1601481.9082	136.427	356.112	0.09	11.00	11.69	12.38
-325	12	8	1602692.9267	252.327	176.383	0.23	11.22	12.26	13.29
-323	5	23	1603224.6948	56.380	8.532	0.80	5.30*	5.45	6.43
-322	10	7	1603727.0290	185.650	168.303	0.46	15.09	16.22	17.34
-321	9	26	1604081.0955	178.430	175.812	0.26	16.99	17.79	18.06*
-317	1	19	1605292.0152	295.374	357.129	0.02	16.23	16.50	16.77
-316	1	8	1605646.0588	284.061	4.510	0.73	16.02	17.13	17.27*
-309	8	15	1608421.8313	136.735	4.011	0.56	7.66	8.81	9.96
-308	12	29	1608923.8844	274.559	168.479	0.40	9.60	11.10	12.59
-306	6	14	1609455.9247	77.437	359.590	0.88	10.97	12.95	14.92
-302	4	2	1610843.9233	7.698	3.445	0.93	11.46	12.80	14.14
-297	1	8	1612585.7394	284.130	12.248	0.02		6.73*	6.78
-296	5	24	1613087.7815	57.877	172.243	0.35	6.57	7.56	8.55
-295	5	13	1613442.0144	47.387	180.658	0.64	14.96	16.17	17.39
-295	11	7	1613619.8845	221.366	4.040	0.65	9.02	10.65	12.28
-294	10	27	1613973.9829	210.031	11.454	0.29	13.35	14.62	15.90
-285	10	18	1617251.7390	200.475	175.326	0.14	6.22*	6.30	6.90
-284	10	6	1617605.7391	189.132	182.626	0.65	6.07*	6.09	7.12
-282	8	16	1618285.1523	138.480	168.007	0.29	18.30	18.55*	
-281	8	6	1618639.8476	128.209	176.446	0.39	8.50	9.61	10.71
-280	1	30	1618816.7278	306.158	4.116	0.17		6.59*	6.79
-278	6	4	1619673.0525	68.265	171.335	0.08	17.26	17.70	18.15
-274	3	24	1621061.8304	359.100	175.941	0.58	8.06	9.37	10.67
-270	1	9	1622449.0181	285.860	176.224	0.57	14.88	15.96	17.04
-268	11	8	1623483.0465	222.999	167.912	0.39	15.77	16.83	17.52*
-267	10	28	1623837.0669	211.584	175.165	0.40	16.27	17.32	17.65*
-262	2	9	1625402.0564	317.107	3.823	0.51	15.98	16.97	17.52*
-262	8	6	1625579.6974	128.445	184.342	0.01		5.34*	5.39
-255	9	16	1628177.8540	169.192	2.659	0.97	8.33	9.68	11.03
-253	1	31	1628679.9107	307.782	168.003	0.25	10.90	12.11	13.32
-251	7	5	1629565.7684	97.996	4.891	0.77	5.65	6.81	7.98
-248	5	4	1630599.8782	39.271	1.103	0.73	10.00	11.30	12.61
-243	2	9	1632341.7887	317.230	11.622	0.61	6.57	7.70	8.82
-241	6	15	1633197.8853	78.629	178.015	0.75	9.54	11.22	12.90
-241	12	10	1633375.9327	254.972	3.955	0.33	11.64	13.08	14.51
-240	11	28	1633729.9885	243.550	11.235	0.32	13.50	14.83	16.15
-234	1	31	1635619.7313	307.983	175.876	0.35		6.57*	6.93
-233	7	16	1636151.0464	108.469	4.072	0.87	15.67	16.90	18.13
-231	11	19	1637007.7373	233.902	175.003	0.26		6.59*	7.12
-230	11	8	1637361.7511	222.453	182.216	0.53		6.47*	7.37

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-229	5	5	1637539.8147	39.591	9.004	0.49	7.60	8.64	9.69
-227	9	7	1638395.8422	160.459	174.866	0.23	8.67	9.52	10.37
-220	4	25	1640817.7472	30.760	173.776	0.95	5.84	6.92	8.01
-219	4	14	1641172.0129	20.223	182.158	0.40	15.03	16.17	17.30
-216	2	11	1642205.0799	318.950	175.590	0.74	16.61	17.54	17.54*
-213	11	30	1643593.0742	245.092	174.948	0.53	16.56	17.32*	
-208	3	13	1645158.0082	349.533	2.449	0.66	14.53	15.74	16.96
-202	5	6	1647403.0426	41.220	172.953	0.13	16.71	17.27	17.83
-201	10	19	1647933.9272	202.287	1.988	0.26	11.37	12.36	13.35
-194	6	6	1650355.8090	70.580	358.479	0.14	8.30	8.89	9.49
-189	3	14	1652097.7962	349.705	10.312	0.79	6.99	8.15	9.31
-187	7	17	1652953.7855	110.023	175.567	0.38	6.47	7.41	8.35
-186	1	11	1653131.9683	288.434	3.740	0.68	13.14	14.61	16.08
-186	12	31	1653485.9976	277.064	11.042	0.08	14.34	14.98	15.63
-182	10	19	1654873.9472	202.689	9.815	0.58	11.87	13.25	14.62
-180	3	4	1655375.7610	340.670	174.776	0.56	6.20*	7.08	8.03
-179	8	17	1655906.9108	140.229	1.960	0.94	9.85	11.81	13.77
-178	8	6	1656261.1681	129.531	10.159	0.01	18.66	18.65*	
-177	12	22	1656763.7464	267.458	174.816	0.51		6.76*	7.45
-176	6	16	1656941.1189	81.007	357.610	0.03	18.46	18.67	18.85*
-176	12	10	1657117.7911	256.039	182.095	0.07	6.73*	7.18	7.63
-175	6	6	1657295.7026	70.857	6.383	0.90	5.19*	5.67	6.58
-173	10	10	1658151.8815	193.350	173.980	0.61	9.59	10.89	12.18
-169	7	28	1659539.0927	120.580	174.828	0.66	16.83	17.73	18.63
-168	7	17	1659893.7122	110.344	183.451	0.07	5.32	5.66	6.00
-165	5	17	1660927.8368	51.561	179.580	0.56	8.02	9.52	11.01
-162	3	15	1661961.0925	351.424	174.243	0.32	17.34	17.93*	
-158	1	1	1663349.0806	278.601	174.723	0.48	16.68	17.25*	
-157	6	17	1663880.9967	81.272	5.513	0.19	14.77	15.58	16.39
-154	4	15	1664913.9191	21.344	0.421	0.76	11.40	12.94	14.47
-147	5	27	1667513.1068	61.952	178.675	0.56	17.73	18.66	18.75*
-147	11	20	1667690.0370	235.831	1.814	0.12	16.13	16.64	17.16
-143	3	15	1668901.1252	351.839	182.068	0.00	17.96	17.94*	
-138	11	11	1670967.9912	226.410	165.803	0.26	14.17	15.05	15.93
-135	4	15	1671853.7569	21.577	8.297	0.98	6.23	7.24	8.26
-132	2	13	1672887.9545	321.433	2.987	0.83	12.58	14.12	15.66
-128	11	20	1674630.0426	236.220	9.655	0.62	15.46	16.53	17.39*
-126	4	6	1675131.7460	12.719	172.988	0.92	5.93	6.93	7.93
-125	9	19	1675662.8384	172.617	0.550	0.74	7.40	8.92	10.45
-124	9	7	1676017.1322	161.748	8.591	0.65	17.66	18.28*	
-122	1	23	1676519.7351	300.761	174.372	0.46		6.63*	7.16
-119	11	11	1677907.9583	226.763	173.677	0.65	12.14	13.61	15.07
-115	8	29	1679295.0559	152.623	173.048	0.82	15.61	16.66	17.71
-114	8	19	1679649.6906	142.224	181.452	0.39		5.49*	5.86
-111	12	12	1680860.7829	258.285	1.788	0.28	6.74*	7.45	8.19
-108	4	16	1681717.0641	23.284	172.246	0.02	17.40	17.59	17.78
-104	2	3	1683105.0538	311.756	174.095	0.51	16.01	17.09	17.47*
-103	7	19	1683636.8808	112.671	3.051	0.61	9.03	10.63	12.23
-93	6	29	1687268.9116	93.145	175.945	0.38	10.90	12.51	14.11
-92	6	17	1687622.9458	82.453	183.917	0.19	12.25	13.38	14.52
-92	12	12	1687800.7771	258.666	9.643	0.42	6.74*	7.34	8.25
-89	4	17	1688657.1013	23.702	180.069	0.69	17.47	18.32	18.34*
-88	9	29	1689187.8086	183.597	7.941	0.05	7.74	8.14	8.53
-82	5	28	1691255.0976	63.154	357.048	0.22	17.76	18.37	18.76*
-81	5	18	1691609.6924	53.014	5.824	0.60	5.33*	5.69	6.47
-78	3	17	1692643.8751	353.794	1.502	0.37	10.11	11.46	12.82
-77	3	6	1692997.8913	342.798	9.160	0.41	9.63	11.10	12.57
-72	5	8	1694887.6962	44.270	170.649	0.66	5.42*	5.75	6.56
-71	10	21	1695418.8290	205.644	359.848	0.40	7.46	8.62	9.79
-65	12	14	1697664.0486	260.400	173.631	0.86	15.74	16.89	17.25*
-63	5	28	1698195.0025	63.443	4.951	0.20	14.95	15.68	16.41
-62	5	18	1698549.7281	53.431	13.654	0.09	5.91	6.27	6.63
-61	10	1	1699051.0781	185.317	171.963	0.79	16.30	17.32	17.97*
-60	9	20	1699405.7184	174.724	180.113	0.88		5.89*	6.72

CY	CM	CD	JDN	L	P	PMA	TB	TM	TE
-53	5	9	1701827.7295	44.691	178.458	0.22	5.96	6.54	7.12
-50	3	7	1702860.9797	344.310	172.850	0.29	13.80	14.93	16.06
-49	8	21	1703392.7882	144.515	1.049	0.92	6.10	7.36	8.62
-47	1	4	1703894.8470	282.459	165.641	0.03	9.51	9.85	10.20
-39	7	31	1707024.7358	124.606	173.490	0.05	5.44	5.80	6.15
-38	7	20	1707378.7750	113.800	181.364	0.63	5.79	6.99	8.19
-37	1	14	1707556.8641	292.172	9.460	0.91	8.59	10.17	11.74
-35	5	19	1708413.0402	55.135	177.611	0.99	15.82	16.88	17.94
-34	11	1	1708943.8688	216.853	7.502	0.70	8.82	10.26	11.69
-28	1	5	1710834.7666	282.762	173.532	0.82	6.74*	6.98	8.07
-23	4	7	1712753.7578	14.722	7.200	0.83	5.90	7.11	8.33
-21	8	11	1713610.0181	135.203	172.775	0.73	14.68	15.97	17.26
-9	6	30	1717950.9348	94.762	2.345	0.70	11.62	13.05	14.48
-8	6	19	1718305.6591	84.728	11.020	0.06		5.15*	5.19
-6	4	29	1718985.0124	35.997	358.516	0.81	14.91	16.32	17.72
-6	10	23	1719161.7947	207.848	179.452	0.94	6.81	7.87	8.92
-2	2	15	1720372.9613	324.876	0.868	0.54	13.20	14.30	15.40
1	6	10	1721583.6548	75.995	175.863	0.29		5.17*	5.40
4	4	8	1722616.8562	16.229	170.935	0.25	8.94	10.09	11.23
5	3	28	1722971.1025	5.583	179.180	0.70	17.41	18.12*	
5	9	22	1723148.7413	176.963	359.739	0.70	5.92*	6.21	7.26
6	9	11	1723502.8272	165.875	7.386	0.01	8.24	8.43	8.63
17	2	15	1727312.9073	325.211	8.754	0.63	10.44	11.87	13.31
19	6	21	1728168.9618	86.430	174.997	0.45	13.28	14.41	15.54
20	12	3	1728699.9613	250.464	7.429	0.88	12.48	14.00	15.52
24	9	21	1730088.1346	176.751	6.981	0.33	17.75	18.08*	
26	2	6	1730590.8102	315.954	173.010	0.87	6.96	8.33	9.69
27	1	26	1730945.0489	304.918	180.850	0.22	16.26	17.04	17.41*
29	11	24	1731977.8852	241.001	171.424	0.75	9.60	11.02	12.44
33	9	12	1733365.9075	167.398	171.114	0.06	11.79	12.41	13.03
34	9	1	1733719.9594	156.346	178.767	0.46	11.95	13.32	14.69
38	6	21	1735108.7838	86.643	182.881	0.17	6.92	7.60	8.28
41	4	19	1736141.7111	26.723	177.762	0.18	5.62*	6.01	6.57
45	8	1	1737706.8906	126.362	0.031	0.86	9.64	11.12	12.60
49	5	20	1739094.8557	56.558	3.801	0.83	8.39	9.99	11.59
52	3	19	1740128.9799	357.305	359.450	0.77	13.75	14.93	16.11
58	5	11	1742372.6941	47.665	168.471	0.13	5.38*	5.53	6.03
59	4	30	1742727.0099	37.221	176.965	0.72	14.90	16.11	17.33

Part II

Lunar Eclipses

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2970	2	23	636319.4617	311.830	359.079	1.74	18.86	0.00	0.94	1.77	2.59	3.53	5.20
-2969	8	8	636850.0955	110.740	185.902	0.90	17.02			17.20		18.77	6.95
-2967	6	18	637530.0385	61.582	172.601	0.70	17.14			(16.26)		17.66	6.98
-2966	6	8	637884.5466	51.302	181.283	1.64	17.33	2.45	3.48	4.32	5.16	6.19	6.80
-2966	12	1	638061.1986	227.625	7.251	0.71	18.84			19.73		21.14	5.05
-2963	4	5	638917.4926	351.583	176.441	1.28	18.30	0.99	2.11	2.74	3.37	4.50	5.83
-2963	9	30	639095.2492	164.641	358.796	1.62	17.74	19.08	20.13	20.97	21.81	22.87	6.12
-2962	9	19	639449.2919	153.277	6.139	0.73	17.57	20.25		21.83		23.40	6.30
-2959	1	23	640306.2191	281.519	180.113	1.81	19.12		19.14	20.02	20.90	21.96	4.93
-2959	7	19	640482.6776	91.281	358.811	1.70	16.92	5.63	6.57	(7.38)			7.05
-2958	1	12	640660.2237	270.344	187.581	0.48	19.11			20.06		21.40	4.91
-2958	7	8	640837.3761	81.030	7.250	0.74	17.01	22.66		0.08		1.49	6.98
-2957	11	22	641339.1263	218.193	171.336	0.50	18.72			(18.25)		19.47	5.21
-2956	5	18	641516.5790	31.889	354.280	0.82	17.56	3.53		5.17			6.52
-2955	5	7	641870.6192	21.244	2.308	1.43	17.77	4.01	5.13	5.91			6.31
-2955	10	31	642048.3831	196.482	186.959	0.75	18.26	22.72		0.16		1.60	5.65
-2952	8	29	643081.0936	132.504	177.468	1.40	17.29			(17.22)	17.97	19.08	6.64
-2951	2	23	643259.3850	312.147	6.955	0.73	18.88	22.34		23.80		1.26	5.18
-2951	8	18	643435.4297	121.619	185.511	0.97	17.10	23.58		1.18		2.78	6.85
-2949	6	29	644115.3508	72.125	171.837	0.57	17.11	22.44		23.74		1.03	6.99
-2949	12	23	644292.1285	249.739	359.194	1.70	19.07			(18.08)	(18.93)	19.96	4.87
-2948	12	12	644646.5603	238.797	7.172	0.72	18.89	2.96		4.38			5.01
-2946	10	22	645326.2864	186.987	350.977	0.39	18.09	20.95		22.06		23.18	5.77
-2945	10	12	645680.5923	175.818	358.723	1.61	17.85	3.35	4.41	5.25			6.02
-2944	4	5	645857.3856	351.869	184.323	1.21	18.25	22.39	23.51	0.06	0.60	1.72	5.90
-2944	9	30	646034.6201	164.397	5.990	0.76	17.68	4.14		5.74			6.20
-2942	2	14	646537.3036	303.114	171.589	0.46	19.00	20.87		22.10		23.33	5.09
-2942	8	9	646713.3663	112.444	349.975	0.27	16.96	22.99		23.93		0.87	6.93
-2941	2	4	646891.5306	292.313	179.671	1.77	19.10	1.51	2.57	3.45	4.33		4.96
-2941	7	30	647068.0175	102.012	358.294	1.62	16.99			(15.49)	(16.28)	17.23	6.91
-2940	1	24	647245.5367	281.214	187.222	0.55	19.12	2.11		3.51		4.91	4.92
-2940	7	19	647422.7061	91.683	6.658	0.83	16.96	6.47		(7.95)			7.01
-2939	12	2	647924.4996	229.390	171.342	0.51	18.83	1.98		3.19		4.41	5.11
-2938	11	22	648279.1504	218.589	179.170	1.75	18.69			18.72	19.53	20.47	5.24
-2936	5	6	648810.1501	21.167	9.873	0.22	17.73			18.54		19.42	6.36
-2935	3	27	649135.3922	343.094	349.098	0.19	18.35	23.59		0.37		1.15	5.75
-2935	9	20	649312.3766	154.809	169.865	0.03	17.62	23.82		0.17		0.53	6.30
-2934	3	17	649490.1101	333.007	357.697	1.53	18.49			(17.41)	(18.18)	19.16	5.60
-2934	9	9	649666.4292	143.504	177.261	1.36	17.41	23.43	0.56	1.28	1.99	3.12	6.52
-2931	1	13	650523.3153	271.859	351.285	0.29	19.10	21.50		22.56		23.62	4.88
-2931	7	10	650700.6726	82.714	171.178	0.46	17.09	6.24		(7.43)			6.99
-2930	1	2	650877.4716	260.766	359.019	1.68	19.09	0.38	1.40	2.24	3.09	4.11	4.86
-2930	6	29	651055.1357	72.286	179.716	1.80	17.03		17.59	18.46	19.32	20.35	7.05
-2929	6	18	651409.3047	61.635	187.908	0.44	17.12	21.11		22.39		23.66	6.98
-2927	4	27	652088.0838	12.390	174.682	1.00	17.84			(17.12)		18.75	6.30
-2925	4	6	652797.4249	352.281	192.168	0.00	18.23	0.81		0.89		0.98	5.92
-2924	2	26	653122.6138	313.783	170.969	0.35	18.94	4.46		(5.56)			5.16
-2923	8	9	653653.3578	112.833	357.819	1.55	17.00	21.88	22.84	23.61	0.37	1.34	6.88
-2922	7	30	654008.0353	102.422	6.105	0.91	17.02			(15.80)		17.33	6.88
-2920	6	8	654687.1138	52.677	352.478	0.50	17.19			18.10		19.45	6.86
-2920	12	3	654864.5214	229.804	179.135	1.74	18.80	1.85	2.79	3.60	4.42		5.14
-2919	5	28	655041.1609	41.995	0.481	1.76	17.37		18.17	19.06	19.94	21.00	6.70
-2919	11	22	655219.1218	218.953	187.018	0.73	18.67			(17.91)		19.35	5.27
-2918	5	17	655395.4384	31.562	8.966	0.38	17.60	0.41		1.53		2.66	6.48
-2916	3	27	656075.4240	343.517	356.897	1.40	18.37	23.30	0.32	1.02	1.72	2.74	5.72
-2915	9	9	656606.1247	143.592	185.020	1.05	17.42		17.55	17.84	18.13	19.48	6.49
-2912	7	9	657640.4383	82.856	179.042	1.68	17.01	23.80	0.83	1.68	2.54	3.57	7.05
-2911	1	2	657817.2833	260.947	6.908	0.77	19.15	20.15		21.60		23.05	4.80
-2911	6	29	657994.5853	72.125	187.133	0.57	17.07	3.68		5.11		6.53	7.02
-2909	5	8	658673.3829	22.771	173.805	0.86	17.76	22.85		0.39		1.94	6.39
-2909	11	2	658851.2944	198.222	358.739	1.60	18.31	20.26	21.33	22.17	23.00	0.07	5.57
-2908	10	21	659205.2985	186.729	5.903	0.77	18.14	20.49		22.10		23.70	5.74
-2905	2	25	660062.1250	313.680	178.492	1.56	18.80			(17.70)	(18.54)	19.63	5.30
-2905	8	21	660238.7098	123.718	357.467	1.49	17.02	6.30	(7.28)	(8.02)			6.85

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2904	2	14	660416.1372	302.737	186.203	0.73	18.91			(17.85)		19.42	5.18
-2904	8	9	660593.3757	113.223	5.675	0.97	17.04	22.35		23.92		1.49	6.85
-2903	12	24	661095.2308	251.665	171.159	0.49	19.12	19.45		20.64		21.83	4.87
-2902	6	19	661272.3885	63.120	351.654	0.35	17.08	23.54		0.70		1.86	6.95
-2901	6	8	661626.4395	52.402	359.629	1.77	17.26	23.84	0.90	1.78	2.66	3.72	6.80
-2901	12	3	661804.4903	230.147	187.024	0.73	18.78	1.30		2.73		4.17	5.16
-2898	10	1	662837.1136	165.707	177.021	1.32	17.81			(17.75)	18.44	19.58	6.10
-2897	3	28	663015.3095	343.779	4.814	1.07	18.37	20.47	21.82	22.15	22.48	23.83	5.72
-2897	9	20	663191.4843	154.675	184.903	1.07	17.53	0.85	2.15	2.49	2.83	4.13	6.37
-2895	7	31	663871.3246	104.115	170.053	0.27	17.04	22.04		22.97		23.90	6.95
-2894	1	24	664048.1369	282.625	358.403	1.58	19.11			(18.07)	(18.89)	19.92	4.90
-2894	7	21	664225.7397	93.507	178.402	1.57	17.01	6.99	(8.05)	(8.87)			7.03
-2893	1	14	664402.6319	271.937	6.628	0.82	19.14	4.42		(5.89)			4.83
-2892	11	23	665082.3840	220.670	351.048	0.38	18.62	23.34		0.46		1.58	5.26
-2891	5	19	665258.6781	33.171	172.893	0.72	17.67	6.11		(7.55)			6.47
-2891	11	13	665436.6398	209.447	358.716	1.60	18.41	4.57	(5.64)	(6.47)			5.47
-2890	5	8	665613.3200	23.102	181.681	1.63	17.71	21.00	21.96	22.76	23.56	0.52	6.45
-2890	11	2	665790.6352	197.943	5.857	0.78	18.25	4.60		(6.21)			5.63
-2888	3	18	666293.2193	334.904	169.545	0.10	18.53	19.56		20.18		20.80	5.60
-2888	9	10	666469.4111	145.330	349.102	0.15	17.34	0.26		0.96		1.65	6.50
-2887	3	7	666647.4087	324.262	177.763	1.44	18.71	22.64	23.77	0.55	1.33	2.46	5.40
-2887	8	31	666824.0621	134.691	357.157	1.44	17.31			(16.46)	(17.17)	18.17	6.53
-2886	2	24	667001.4253	313.391	185.552	0.85	18.84	23.12		0.77		2.43	5.26
-2886	8	21	667178.7158	124.116	5.287	1.03	17.06	6.45	(7.83)	(8.05)			6.81
-2884	1	5	667680.5925	262.703	170.986	0.46	19.18	4.08		(5.25)			4.82
-2884	6	30	667857.6676	73.616	350.887	0.22	16.99	6.45		(7.38)			7.03
-2884	12	24	668035.2635	252.070	178.989	1.72	19.08	19.55	20.50	21.31	22.12	23.07	4.91
-2883	6	19	668211.7230	62.853	358.824	1.63	17.15	6.67	(7.74)	(8.59)			6.90
-2882	6	8	668566.0355	52.386	7.297	0.67	17.24			(15.96)		17.37	6.81
-2880	10	11	669422.4661	176.875	177.005	1.32	17.94	0.43	1.57	2.25	2.93	4.07	5.97
-2879	4	8	669600.6087	354.216	4.006	1.20	18.24	3.68	4.87	5.42			5.84
-2877	2	15	670279.2365	304.238	349.910	0.07	18.89	20.00		20.53		21.06	5.16
-2877	8	12	670456.6611	114.923	169.635	0.19	17.10	6.21		(7.00)			6.88
-2876	2	4	670633.4643	293.435	357.990	1.52	19.04	0.05	1.09	1.88	2.67	3.71	4.98
-2876	7	31	670811.0519	104.219	177.882	1.48	17.01			(16.31)	17.10	18.18	6.97
-2875	7	20	671165.1561	93.309	185.748	0.81	16.94	17.09		18.73		20.36	7.08
-2872	5	19	672198.6337	33.502	180.805	1.77	17.64	4.59	5.53	6.36			6.52
-2871	5	8	672553.3603	23.515	189.527	0.40	17.69	22.53		23.62		0.71	6.47
-2869	9	11	673409.4255	145.722	356.964	1.41	17.37	23.49	0.49	1.19	1.88	2.89	6.47
-2868	8	31	673764.0669	135.069	5.022	1.07	17.35			(16.46)	(16.78)	18.08	6.51
-2865	1	5	674620.6217	263.125	178.778	1.69	19.15	4.08	(5.03)	(5.83)			4.86
-2865	6	30	674797.0065	73.369	358.036	1.50	17.00			(15.38)	(16.19)	17.28	7.00
-2865	12	25	674975.2089	252.410	186.855	0.75	19.05			19.87		21.34	4.94
-2864	6	18	675151.3350	62.871	6.482	0.81	17.15	21.64		23.15		0.67	6.89
-2862	4	29	675831.3566	14.804	354.354	0.99	17.82	22.11		23.69		1.26	6.28
-2861	10	12	676362.2127	177.011	184.812	1.09	17.96	18.40	19.67	20.04	20.42	21.68	5.94
-2858	8	11	677396.3638	115.018	177.404	1.39	17.08	21.91	23.02	23.76	0.49	1.61	6.89
-2857	2	4	677573.3182	293.677	5.859	0.95	19.07	20.70		22.25		23.80	4.96
-2857	7	31	677750.4477	104.016	185.152	0.91	16.98	23.97		1.68		3.38	7.02
-2855	6	9	678429.2888	54.015	171.221	0.46	17.28	21.09		22.29		23.48	6.85
-2855	12	4	678607.3343	231.809	358.679	1.59	18.83	21.20	22.28	23.12	23.95	1.03	5.08
-2854	11	23	678961.3191	220.333	5.833	0.78	18.70	21.03		22.64		0.26	5.20
-2853	5	20	679138.6723	33.913	188.652	0.53	17.62	5.94		(7.18)			6.54
-2852	10	2	679640.1442	167.568	348.928	0.13	17.79	17.96		18.60		19.25	6.06
-2850	9	11	680349.4233	146.092	4.834	1.09	17.41	23.38	0.64	1.02	1.39	2.65	6.44
-2848	1	26	680851.2945	284.583	170.359	0.38	19.16	20.89		21.95		23.01	4.90
-2847	7	10	681382.3022	83.934	357.353	1.38	16.95	20.58	21.71	22.44	23.18	0.30	7.03
-2846	1	5	681560.5624	263.442	186.688	0.77	19.11	2.80		4.28			4.89
-2846	6	30	681736.6455	73.392	5.762	0.93	17.06	5.00		6.59			6.96
-2844	5	10	682416.6653	25.196	353.486	0.85	17.70	5.68		(7.18)			6.40
-2844	11	2	682593.1750	199.309	177.024	1.33	18.38		18.65	19.33	20.02	21.14	5.54
-2843	4	29	682771.1899	15.014	2.255	1.48	17.81		18.78	19.57	20.35	21.40	6.28
-2843	10	23	682947.5848	188.228	184.843	1.09	18.08	3.38	4.64	5.01	5.39		5.82
-2841	9	2	683627.3447	136.779	169.015	0.08	17.35	22.86		23.37		23.89	6.57

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2840	2	26	683804.0978	314.839	356.888	1.34	18.76			(17.07)	(17.75)	18.85	5.30
-2840	8	22	683981.6870	125.882	177.048	1.32	17.16	5.65	(6.80)	(7.49)			6.79
-2839	2	15	684158.6560	304.426	5.368	1.04	18.99	4.75	(6.10)	(6.34)			5.05
-2838	12	26	684838.4541	254.092	350.837	0.33	19.01	0.94		2.01		3.07	4.93
-2837	6	21	685014.5947	64.509	170.408	0.34	17.23	4.59		5.63		6.67	6.89
-2836	6	9	685369.2614	54.382	179.082	1.75	17.24	19.75	20.68	21.51	22.33	23.27	6.90
-2836	12	4	685546.6526	231.508	5.746	0.80	18.79	5.00		(6.63)			5.12
-2834	10	14	686225.5115	178.772	348.880	0.12	17.87	2.82		3.46		4.09	5.98
-2833	4	9	686403.2366	355.640	175.279	1.00	18.16	18.91		20.66		22.41	5.96
-2833	10	3	686580.1609	167.980	356.739	1.37	17.82		18.22	18.89	19.56	20.58	6.02
-2832	3	28	686757.2703	344.939	183.260	1.26	18.32	19.38	20.59	21.23	21.88	23.09	5.79
-2829	1	26	687791.3259	285.008	178.155	1.59	19.13	20.84	21.81	22.59	23.38	0.34	4.94
-2829	7	22	687967.5993	94.581	356.707	1.27	16.91	3.70	4.88	5.53	6.17		7.05
-2827	11	24	688824.4122	221.892	169.648	0.00	18.74	1.11		1.18		1.25	5.20
-2826	11	14	689178.5340	210.530	177.064	1.34	18.51	2.16	3.28	3.97	4.66		5.42
-2825	5	10	689356.4797	25.391	1.379	1.63	17.68	0.74	1.77	2.61	3.44	4.48	6.40
-2822	3	8	690389.4104	325.433	356.244	1.24	18.65	22.87	0.01	0.61	1.20	2.35	5.42
-2821	8	22	690921.0618	125.634	184.290	1.06	17.18			(16.35)	(16.68)	18.13	6.76
-2818	6	21	691954.5827	64.875	178.302	1.63	17.20	3.47	4.42	5.22	6.02		6.93
-2817	6	10	692309.2934	54.788	186.935	0.79	17.21	20.70		22.16		23.61	6.92
-2815	4	20	692988.5063	6.015	174.376	0.84	18.05	1.58		3.23		4.88	6.07
-2815	10	14	693165.5367	179.174	356.721	1.37	17.89	2.26	3.28	3.95	4.62	5.64	5.95
-2814	4	9	693342.5465	355.353	182.404	1.42	18.22	2.06	3.19	3.96	4.73	5.86	5.90
-2814	10	3	693520.1433	168.336	4.619	1.12	17.85		17.93	18.35	18.78	20.01	6.00
-2810	1	26	694731.2436	285.302	186.074	0.86	19.08			20.49		22.05	4.98
-2810	7	21	694907.2795	94.644	4.484	1.14	16.97	20.04	21.25	21.72	22.19	23.40	6.97
-2808	5	31	695587.2801	46.017	351.770	0.56	17.30	20.77		22.06		23.34	6.78
-2807	11	13	696118.3309	210.705	184.929	1.08	18.51	21.34	22.62	22.97	23.32	0.59	5.41
-2804	9	12	697152.3474	147.837	176.563	1.23	17.49	21.52	22.73	23.34	23.94	1.15	6.43
-2803	3	8	697329.3141	325.717	4.138	1.24	18.66	20.51	21.61	22.18	22.75	23.84	5.42
-2803	9	1	697506.3770	136.564	183.970	1.11	17.29	22.09	23.45	23.90	0.35	1.71	6.64
-2801	1	17	698009.1395	276.065	350.375	0.25	19.09			(18.31)		19.25	4.90
-2801	7	12	698185.2318	85.647	169.025	0.13	17.03	20.20		20.86		21.51	7.02
-2800	1	6	698363.3325	265.023	358.184	1.50	19.12	20.98	22.09	22.89	23.70	0.81	4.85
-2800	12	25	698717.3165	253.702	5.485	0.85	19.10	20.79		22.45		0.11	4.85
-2799	6	21	698894.6077	65.280	186.142	0.91	17.17	4.17		5.70			6.96
-2798	11	4	699396.2618	201.236	348.922	0.14	18.33	20.87		21.53		22.19	5.53
-2796	10	14	700105.5088	179.528	4.594	1.12	17.94	1.50	2.74	3.16	3.59	4.83	5.91
-2794	2	27	700607.3058	316.831	168.788	0.15	18.84	21.49		22.17		22.85	5.29
-2793	8	12	701138.2256	116.083	355.721	1.11	17.05	18.72	20.04	20.46	20.89	22.21	6.85
-2792	2	7	701316.5738	296.115	185.642	0.93	19.06	2.77		4.37			5.02
-2792	8	1	701492.6075	105.377	3.964	1.23	16.95	3.83	4.97	5.54	6.11		6.97
-2790	6	12	702172.5846	56.477	350.922	0.42	17.19	4.25		5.39		6.53	6.87
-2790	12	5	702349.2420	232.936	177.032	1.34	18.89	19.13	20.24	20.93	21.62	22.73	5.07
-2789	6	1	702527.0495	46.185	359.599	1.78	17.29			(16.40)	(17.27)	18.30	6.77
-2788	5	20	702881.2190	35.642	7.886	0.45	17.50	19.00		20.28		21.56	6.57
-2786	9	24	703737.6808	158.923	176.397	1.20	17.61	5.56	(6.80)	(7.36)			6.31
-2785	3	20	703914.6320	336.277	3.389	1.36	18.55	4.16	5.20	(5.87)			5.54
-2785	9	13	704091.6952	147.573	183.707	1.16	17.41	5.72	(7.02)	(7.55)			6.52
-2784	3	8	704269.3472	326.141	11.935	0.03	18.69	22.53		22.86		23.20	5.39
-2783	1	27	704594.4669	286.948	349.991	0.18	19.05	1.30		2.11		2.91	4.96
-2783	7	23	704770.5553	96.326	168.412	0.04	17.04	4.21		4.57		4.93	6.98
-2782	1	17	704948.6492	275.968	357.852	1.45	19.11	4.52	(5.64)	(6.42)			4.87
-2782	7	12	705125.2306	86.041	176.866	1.40	16.99	19.00	20.01	20.71	21.40	22.41	7.06
-2781	1	6	705302.6365	264.716	5.228	0.90	19.12	4.37		(6.06)			4.84
-2779	11	4	706336.2918	201.640	356.756	1.37	18.36	20.45	21.47	22.14	22.81	23.83	5.50
-2778	4	30	706513.0932	16.105	180.590	1.74	17.76			(17.28)	18.16	19.22	6.37
-2777	4	19	706867.3812	5.693	189.120	0.36	17.99	22.88		23.97		1.06	6.15
-2775	2	27	707547.3403	317.241	176.633	1.35	18.81	21.18	22.22	22.89	23.56	0.60	5.31
-2775	8	23	707723.5513	126.948	355.364	1.05	17.10	2.54	3.97	4.26	4.55	5.97	6.78
-2773	8	2	708432.5787	105.725	11.861	0.05	16.99	4.34		4.74		5.15	6.93
-2772	12	16	708934.5961	244.072	176.980	1.34	18.99	3.59	4.70	(5.38)			4.97
-2771	6	11	709112.3394	56.611	358.775	1.64	17.19	21.50	22.54	23.38	0.23	1.27	6.86
-2770	5	31	709466.4893	46.019	6.995	0.60	17.38	1.36		2.82		4.27	6.69

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2768	4	9	710145.3211	356.903	353.906	0.87	18.11	21.15		22.70		0.25	5.98
-2764	7	23	711710.5659	96.714	176.282	1.31	17.01	3.03	4.08	4.70	5.33	6.38	7.02
-2763	7	12	712065.2455	86.429	184.726	1.13	16.96	19.30	20.51	20.95	21.38	22.59	7.09
-2761	5	22	712744.2999	37.101	171.547	0.34	17.51	21.39		22.53		23.68	6.61
-2761	11	16	712921.6652	212.891	356.752	1.37	18.43	5.42	(6.45)	(7.12)			5.43
-2760	5	10	713098.3624	26.477	179.640	1.78	17.66	21.89	22.94	23.83	0.71	1.76	6.47
-2760	11	4	713276.2431	201.984	4.618	1.11	18.41	19.19	20.44	20.85	21.26	22.52	5.46
-2759	4	30	713452.6715	16.093	188.208	0.51	17.90	5.75		(7.03)			6.25
-2757	3	11	714132.6614	327.851	175.937	1.24	18.74	4.96	(6.07)	(6.64)			5.38
-2756	2	28	714487.2108	317.508	184.515	1.11	18.74		19.24	19.66	20.09	21.36	5.37
-2756	8	22	714663.2834	127.076	3.165	1.36	17.18	19.95	21.01	21.70	22.38	23.44	6.68
-2754	7	3	715343.2070	77.518	349.412	0.16	16.94	19.56		20.30		21.04	7.05
-2753	6	23	715697.6258	67.092	357.956	1.50	17.09	4.39	5.46	6.26			6.95
-2753	12	16	715874.4340	244.299	184.842	1.11	18.97	23.74	0.97	1.36	1.76	2.99	5.00
-2750	4	21	716730.6290	7.313	353.067	0.74	17.99	4.72		(6.18)			6.10
-2750	10	15	716908.3744	181.218	176.303	1.18	18.04	22.28	23.55	0.09	0.63	1.89	5.88
-2749	4	10	717085.2742	357.224	1.810	1.61	18.13	19.70	20.66	21.45	22.25	23.20	5.97
-2749	10	4	717262.3646	169.749	183.460	1.20	17.82	21.83	23.09	23.67	0.25	1.52	6.10
-2746	2	7	718119.2762	297.599	357.013	1.30	18.99	19.50	20.69	21.37	22.06	23.25	5.04
-2745	1	27	718473.2743	286.508	4.555	1.02	19.11	19.48	21.03	21.23	21.44	22.99	4.90
-2745	7	24	718650.5790	97.095	184.149	1.21	16.98	3.22	4.35	4.90	5.45	6.58	7.05
-2744	12	6	719152.3890	234.896	348.925	0.15	18.81	23.87		0.56		1.24	5.09
-2743	6	2	719329.5736	47.480	170.645	0.18	17.42	4.30		5.15		6.00	6.69
-2742	5	22	719683.6442	36.845	178.738	1.62	17.57	4.74	5.81	(6.66)			6.56
-2742	11	16	719861.6178	213.213	4.657	1.10	18.49	4.19	(5.46)	(5.86)			5.39
-2739	9	13	720894.2251	148.919	354.857	0.97	17.48	18.77		20.43		22.09	6.39
-2738	3	11	721072.5265	328.090	183.855	1.22	18.66	1.53	2.71	3.28	3.85	5.03	5.45
-2738	9	3	721248.6397	138.036	2.907	1.40	17.23	4.49	5.53	6.24			6.62
-2737	8	23	721603.2767	127.442	11.050	0.17	17.22	20.69		21.43		22.17	6.64
-2736	7	14	721928.5315	88.120	348.771	0.05	16.89	3.62		4.05		4.47	7.08
-2735	1	6	722105.2920	266.186	176.648	1.29	19.16	20.17	21.29	21.94	22.58	23.70	4.86
-2734	6	22	722637.0370	66.893	5.280	0.90	17.08			(15.99)		17.68	6.93
-2731	4	21	723670.5839	7.660	0.927	1.75	18.01	3.22	4.16	4.98	5.81		6.09
-2731	10	15	723847.6977	180.921	183.377	1.22	17.96	5.86	(7.11)	(7.71)			5.96
-2730	4	10	724025.3079	357.648	9.609	0.38	18.15	21.08		22.15		23.23	5.95
-2728	2	19	724704.5703	308.312	356.429	1.20	18.89	2.58	3.85	4.42	5.00		5.15
-2728	8	13	724881.2535	118.297	175.325	1.16	17.12	19.49	20.65	21.12	21.59	22.74	6.83
-2727	2	7	725058.5757	297.301	4.059	1.11	19.04	2.63	3.98	4.43	4.88		4.98
-2725	12	7	726092.4175	235.318	356.716	1.36	18.84	23.43	0.46	1.13	1.80	2.83	5.06
-2723	5	21	726623.2666	36.875	186.420	0.82	17.46	19.95		21.47		22.99	6.69
-2721	4	1	727303.3043	348.875	174.434	1.00	18.30	20.63	22.20	22.22	22.24	23.80	5.84
-2721	9	25	727479.5719	159.998	354.733	0.95	17.57	3.13		4.78			6.29
-2719	9	3	728188.6347	138.409	10.786	0.21	17.26	5.20		6.01			6.59
-2717	1	18	728690.6326	277.136	176.387	1.25	19.19	4.29	(5.43)	(6.04)			4.84
-2717	7	14	728868.2249	88.192	356.563	1.25	16.94	18.76	19.95	20.57	21.19	22.39	7.03
-2716	1	7	729045.1641	266.429	184.553	1.16	19.12			(18.74)	19.22	20.38	4.91
-2716	7	2	729222.3168	77.395	4.519	1.03	17.01	20.91	22.45	22.68	22.92	0.45	6.99
-2714	5	12	729901.2289	28.110	351.300	0.47	17.56	19.55		20.75		21.96	6.53
-2714	11	6	730079.0643	203.636	176.286	1.17	18.47			(16.71)	(17.24)	18.52	5.46
-2712	4	21	730610.6212	8.070	8.766	0.51	18.04	4.55		5.77			6.06
-2710	8	25	731466.6061	129.198	174.991	1.10	17.20	3.96	5.17	5.56	5.94		6.73
-2709	8	14	731821.2452	118.662	183.197	1.36	17.09	19.06	20.12	20.80	21.48	22.54	6.86
-2706	6	12	732854.2016	57.666	176.975	1.32	17.19	18.26	19.42	20.11	20.80	21.95	6.92
-2706	12	7	733032.3444	235.620	4.628	1.10	18.90	21.58	22.86	23.25	23.65	0.93	5.01
-2705	6	2	733208.5678	47.284	185.565	0.97	17.38	3.14		4.75		6.35	6.76
-2703	4	12	733888.6112	359.330	173.572	0.86	18.22	4.17		5.68			5.92
-2702	4	1	734243.1236	349.092	182.300	1.47	18.22			(17.76)	18.54	19.60	5.91
-2702	9	24	734419.3546	160.174	2.576	1.46	17.65	21.68	22.70	23.43	0.17	1.18	6.20
-2699	7	25	735453.5233	98.853	355.933	1.13	16.92	1.92	3.21	3.69	4.16	5.46	7.03
-2698	1	18	735630.5136	277.405	184.257	1.21	19.15	1.40	2.52	3.06	3.59	4.71	4.89
-2698	7	14	735807.5965	87.972	3.785	1.16	16.96	3.53	4.84	5.36	5.88		7.02
-2696	5	23	736486.5284	38.520	350.404	0.34	17.45	2.97		4.01		5.04	6.64
-2696	11	16	736664.4063	214.857	176.263	1.16	18.60	23.12	0.40	0.93	1.45	2.74	5.33
-2695	5	12	736841.2065	28.479	359.151	1.76	17.58	18.33	19.27	20.10	20.92	21.86	6.51

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2695	11	5	737018.3761	203.326	183.329	1.23	18.39	22.21	23.45	0.06	0.67	1.91	5.54
-2694	10	25	737372.4379	191.889	190.605	0.03	18.16	1.04		1.39		1.74	5.76
-2692	3	11	737875.1428	329.493	355.098	0.96	18.54			(18.23)		19.96	5.53
-2691	2	28	738229.1656	318.636	2.900	1.32	18.74			(18.60)	19.30	20.47	5.32
-2691	8	25	738406.5839	129.551	182.870	1.40	17.18	3.15	4.20	4.91	5.62	6.66	6.76
-2690	2	17	738583.3829	307.897	11.041	0.01	18.94	23.48		23.67		23.87	5.10
-2689	1	8	738908.4775	268.175	348.509	0.09	19.06	1.93		2.48		3.03	4.90
-2689	12	29	739263.1499	257.556	356.531	1.33	19.10			(18.59)	19.23	20.28	4.85
-2688	6	22	739439.4847	68.126	176.180	1.19	17.14	1.11	2.35	2.90	3.45	4.69	6.96
-2685	10	16	740650.2703	182.321	354.614	0.94	18.03	19.98		21.61		23.24	5.84
-2684	4	11	740828.4119	359.516	181.467	1.61	18.12	22.90	23.94	0.77	1.61	2.64	6.01
-2683	4	1	741182.6067	348.973	189.792	0.12	18.32	4.51		5.21			5.80
-2683	9	24	741359.3563	160.556	10.441	0.27	17.68	22.47		23.37		0.27	6.16
-2681	2	8	741861.2872	298.819	175.575	1.13	19.02	19.96	21.20	21.65	22.10	23.34	5.06
-2679	1	18	742570.5419	277.811	192.090	0.01	19.11	3.45		3.63		3.80	4.93
-2677	5	24	743426.5159	38.885	358.286	1.63	17.47	1.84	2.79	3.59	4.38	5.34	6.62
-2676	5	12	743781.2315	28.880	6.998	0.78	17.61	19.13		20.58		22.03	6.48
-2674	3	22	744460.4173	340.002	354.293	0.82	18.41	23.25		0.89		2.53	5.66
-2674	9	15	744637.3175	151.229	174.531	1.03	17.54	21.07	22.44	22.64	22.84	0.21	6.36
-2673	3	11	744814.4499	329.213	2.174	1.45	18.61	23.56	0.68	1.47	2.25	3.37	5.45
-2672	8	24	745346.3059	129.664	190.656	0.02	17.18	21.81		22.10		22.38	6.75
-2670	1	9	745848.5058	268.597	356.303	1.30	19.10	1.36	2.43	3.05	3.67	4.73	4.87
-2669	6	23	746379.1721	68.217	183.941	1.24	17.05	17.55	18.69	19.27	19.85	20.98	7.05
-2667	5	3	747059.2165	20.149	171.806	0.57	17.76	19.10		20.39		21.69	6.39
-2667	10	27	747235.6249	193.541	354.593	0.94	18.12	4.54		(6.16)			5.74
-2666	4	23	747413.6960	9.922	180.563	1.76	18.03	5.80	(6.82)	(7.69)			6.11
-2666	10	16	747590.0833	182.527	2.476	1.48	18.11			(17.00)	(17.74)	18.75	5.74
-2663	2	19	748446.6119	309.541	175.063	1.05	18.98	3.78	(5.14)	(5.43)			5.12
-2663	8	15	748624.1413	120.369	354.982	0.96	17.10			18.44		20.14	6.78
-2662	2	8	748801.2012	299.105	183.484	1.34	18.97			19.46	20.12	21.16	5.13
-2662	8	4	748978.1800	109.310	2.617	1.36	17.03	17.37	18.54	19.27	20.01	21.17	6.88
-2661	7	24	749332.2276	98.337	10.340	0.06	17.01	19.85		20.34		20.83	6.93
-2660	6	13	749657.1418	59.387	348.760	0.09	17.10	18.23		18.78		19.34	6.95
-2660	12	8	749835.0877	237.199	176.211	1.15	18.96			(17.23)	(17.74)	19.04	5.01
-2658	5	24	750366.5412	39.282	6.137	0.91	17.50	2.54		4.08		5.61	6.59
-2658	11	16	750543.1451	214.319	190.671	0.03	18.58			(18.41)		18.75	5.35
-2656	9	26	751222.6859	162.337	174.427	1.01	17.65	5.95	(7.40)	(7.51)			6.25
-2655	9	15	751577.2818	151.566	182.418	1.47	17.53	19.89	20.92	21.67	22.42	23.44	6.38
-2654	9	5	751931.6370	140.610	190.389	0.06	17.29	5.56		6.04		6.52	6.64
-2652	7	14	752610.0748	89.241	174.744	0.95	16.98			17.00		18.66	7.04
-2651	1	8	752788.3972	268.865	4.219	1.16	19.15	22.60	23.82	0.32	0.81	2.03	4.82
-2651	7	3	752964.4873	78.756	183.225	1.36	17.03	1.06	2.12	2.80	3.49	4.55	7.05
-2650	6	23	753319.1408	68.563	191.840	0.06	17.01	17.98		18.41		18.84	7.09
-2649	5	15	753644.5218	30.540	170.931	0.42	17.68	2.65		3.80		4.94	6.47
-2648	10	26	754175.4575	193.746	2.495	1.48	18.19	0.28	1.28	2.02	2.76	3.76	5.66
-2647	4	22	754353.1457	9.771	187.982	0.43	17.86			18.34		19.61	6.27
-2647	10	16	754530.0996	182.918	10.327	0.28	18.14			(17.28)		18.21	5.71
-2645	8	26	755209.4563	131.256	354.592	0.89	17.17	0.33		1.99		3.64	6.71
-2644	2	20	755386.5340	309.853	182.934	1.43	18.93	1.72	2.73	3.44	4.15	5.16	5.18
-2644	8	14	755563.4793	120.107	2.119	1.45	17.07	0.50	1.64	2.42	3.21	4.35	6.83
-2643	2	8	755741.2332	299.530	191.281	0.13	18.94	19.47		20.12		20.77	5.16
-2643	8	4	755917.5307	109.063	9.779	0.16	17.01	2.78		3.57		4.35	6.91
-2642	12	19	756420.4196	248.323	176.079	1.13	19.06	23.34	0.67	1.14	1.62	2.95	4.93
-2641	6	14	756597.1456	59.784	356.594	1.36	17.13		18.09	18.76	19.43	20.45	6.92
-2641	12	8	756774.3896	236.882	183.234	1.25	18.90	22.49	23.72	0.35	0.98	2.20	5.06
-2640	11	26	757128.4960	225.535	190.653	0.04	18.70	2.42		2.82		3.21	5.24
-2637	9	27	758162.6351	162.677	182.282	1.49	17.65	4.39	5.42	6.18			6.26
-2636	3	21	758339.3020	339.687	9.013	0.37	18.45	20.76		21.87		22.98	5.63
-2634	1	30	759019.2096	290.434	355.685	1.20	19.04		19.28	19.81	20.34	21.47	4.98
-2634	7	25	759195.3831	99.895	174.157	0.85	17.01	22.75		0.35		1.95	6.99
-2632	7	3	759904.4661	79.113	191.122	0.17	16.99	1.46		2.19		2.91	7.09
-2631	11	17	760406.3488	215.982	354.656	0.95	18.57	21.94		23.57		1.19	5.31
-2630	5	14	760584.2671	30.668	178.781	1.64	17.58	19.68	20.72	21.57	22.42	23.46	6.56
-2629	5	3	760938.4141	20.130	187.063	0.59	17.75	23.43		0.88		2.32	6.37

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2629	10	27	761115.4777	194.142	10.342	0.28	18.21	1.48		2.40		3.31	5.64
-2627	3	12	761617.2418	330.786	173.769	0.85	18.58	19.08		20.62		22.15	5.54
-2625	2	20	762326.5721	310.266	190.773	0.21	18.90	3.44		4.25		5.05	5.21
-2623	6	24	763182.4676	70.288	355.828	1.24	17.04	0.82	1.90	2.47	3.04	4.13	6.99
-2622	6	14	763537.1580	60.171	4.456	1.17	17.15	17.27	18.44	18.93	19.43	20.60	6.89
-2620	4	23	764216.2258	11.237	351.668	0.36	17.84	19.41		20.58		21.75	6.24
-2620	10	17	764393.4281	184.711	174.348	0.99	18.08	23.85		1.41		2.96	5.82
-2619	4	12	764570.2912	0.597	359.735	1.79	18.06	19.98	21.03	21.91	22.80	23.85	6.02
-2618	4	2	764924.6050	350.164	8.242	0.51	18.33	3.96		5.23			5.76
-2618	9	26	765102.3088	162.721	190.044	0.10	17.68	21.57		22.21		22.84	6.23
-2616	2	11	765604.5497	301.241	355.239	1.13	18.97	2.30	3.51	3.94	4.37		5.07
-2616	8	5	765780.6970	110.629	173.639	0.77	17.06	6.30		(7.83)			6.93
-2615	7	25	766135.1339	100.033	181.996	1.55	16.97		17.45	18.23	19.02	20.01	7.02
-2613	6	5	766815.1301	51.361	169.206	0.13	17.29	17.83		18.50		19.17	6.84
-2612	5	25	767169.5490	41.051	177.880	1.49	17.49	2.53	3.61	4.40	5.19	6.27	6.64
-2612	11	17	767346.2071	216.220	2.551	1.47	18.64		19.31	20.04	20.77	21.78	5.23
-2611	5	14	767523.6794	30.488	186.120	0.75	17.65	5.74		(7.33)			6.48
-2609	3	24	768202.5516	341.315	173.025	0.74	18.50	2.67		4.12		5.57	5.63
-2609	9	17	768380.1116	153.228	354.101	0.80	17.57			17.74		19.33	6.30
-2608	3	12	768557.1928	331.117	181.658	1.63	18.54			19.32	20.12	21.07	5.60
-2608	9	5	768734.1075	141.912	1.430	1.57	17.42			17.49	18.33	19.43	6.45
-2607	8	25	769088.1690	130.730	8.970	0.31	17.28	17.78		18.84		19.89	6.60
-2604	6	24	770122.4702	70.671	3.682	1.29	17.07	0.70	1.79	2.42	3.04	4.13	6.96
-2604	12	18	770299.1998	247.844	190.566	0.07	19.00	19.12		19.62		20.12	4.99
-2602	5	4	770801.4904	21.601	350.738	0.20	17.71	2.14		3.03		3.91	6.37
-2601	4	24	771155.5674	10.988	358.846	1.64	17.93	2.72	3.78	4.64	5.50		6.16
-2601	10	18	771333.3602	185.023	182.234	1.49	18.08	21.87	22.90	23.66	0.42	1.45	5.83
-2600	10	7	771687.6516	173.858	189.966	0.11	17.82	5.81		(6.47)			6.10
-2597	2	10	772544.3925	301.480	3.109	1.34	18.99	22.25	23.36	0.05	0.73	1.84	5.05
-2597	8	5	772720.4629	110.792	181.471	1.64	17.03	0.29	1.27	2.08	2.89	3.87	6.95
-2596	7	25	773075.1246	100.420	189.840	0.36	16.94			17.90		18.94	7.05
-2594	11	29	773931.5767	227.450	2.529	1.48	18.71	3.16	4.16	4.89			5.17
-2593	11	18	774286.2286	216.635	10.351	0.27	18.67	19.53		20.45		21.36	5.20
-2591	9	27	774965.4425	164.319	353.930	0.76	17.68	0.14		1.71		3.29	6.19
-2590	3	24	775142.5113	341.666	180.888	1.76	18.47	1.27	2.21	3.04	3.86	4.80	5.68
-2590	9	16	775319.4274	152.932	1.173	1.61	17.52	23.23	0.33	1.18	2.03	3.13	6.35
-2589	3	13	775497.2246	331.542	189.465	0.40	18.51	18.87		19.97		21.07	5.62
-2589	9	5	775673.4953	141.691	8.662	0.36	17.35	1.53		2.67		3.80	6.52
-2587	1	20	776176.3925	281.285	175.352	1.00	19.16	22.53	0.23	0.28	0.33	2.03	4.88
-2587	7	16	776353.1224	91.468	354.463	1.03	16.93		17.91	18.11	18.31	19.68	7.01
-2586	1	9	776530.3806	270.050	182.741	1.34	19.14	22.05	23.22	23.93	0.64	1.81	4.88
-2586	12	30	776884.5474	258.920	190.443	0.10	19.07	3.29		3.89		4.49	4.93
-2584	11	8	777564.1814	207.183	174.409	1.00	18.52			19.54		21.10	5.40
-2582	4	23	778095.2043	11.011	6.570	0.80	17.90	18.30		19.80		21.31	6.20
-2580	3	3	778775.2089	322.633	354.096	0.94	18.65			19.79		21.34	5.42
-2580	8	26	778951.3467	132.337	172.856	0.64	17.28	21.95		23.38		0.80	6.65
-2578	8	5	779660.4660	111.174	189.342	0.44	16.99	0.92		2.04		3.17	6.98
-2577	12	20	780162.4196	249.507	354.531	0.95	18.99	23.54		1.15		2.76	4.94
-2576	6	15	780340.1134	61.891	176.146	1.18	17.13		17.46	18.00	18.54	19.79	6.97
-2575	6	4	780694.2107	51.244	184.261	1.08	17.24	18.39	19.80	20.18	20.56	21.98	6.87
-2575	11	29	780871.6061	227.854	10.362	0.27	18.73	4.58		(5.49)			5.14
-2573	4	14	781373.1623	2.239	171.378	0.49	18.05			18.96		20.18	6.10
-2571	3	24	782082.5464	342.077	188.733	0.52	18.44	2.54		3.77		4.99	5.70
-2569	7	27	782938.4530	102.168	353.859	0.93	16.91	0.48		2.00		3.52	7.00
-2568	7	16	783293.1040	91.840	2.308	1.50	16.97			17.55	18.32	19.33	6.97
-2567	7	6	783647.5338	81.361	10.790	0.02	17.02	3.53		3.77		4.02	6.97
-2566	11	20	784149.5536	218.431	174.413	1.00	18.63	2.91		4.48			5.29
-2565	5	15	784326.1193	31.737	357.026	1.33	17.51			18.06	18.76	19.90	6.57
-2565	11	9	784504.0883	207.481	182.278	1.48	18.51			(17.19)	(17.95)	18.99	5.41
-2564	5	3	784680.4991	21.416	5.672	0.95	17.77	1.37		2.97		4.56	6.32
-2564	10	28	784858.3430	196.242	189.916	0.11	18.26	22.47		23.14		23.80	5.67
-2562	3	15	785360.5268	333.231	353.397	0.83	18.54	1.98		3.47		4.96	5.54
-2562	9	7	785536.6801	143.312	172.575	0.60	17.39	6.00		(7.38)			6.54
-2561	8	27	785891.1469	132.532	180.708	1.76	17.27		17.62	18.45	19.28	20.24	6.64

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2560	2	21	786069.2030	312.083	10.041	0.07	18.86			19.35		19.91	5.19
-2558	6	26	786925.4014	72.365	175.360	1.04	17.09	23.17	0.64	0.90	1.16	2.63	6.99
-2558	12	20	787102.3186	249.777	2.438	1.49	19.04	20.87	21.86	22.60	23.35	0.33	4.88
-2557	6	15	787279.4824	61.658	183.399	1.23	17.17	0.86	2.10	2.72	3.33	4.58	6.93
-2555	4	24	787958.4681	12.648	170.522	0.36	17.96	1.33		2.39		3.45	6.19
-2555	10	19	788136.1253	186.618	353.811	0.73	18.14			18.18		19.74	5.74
-2554	4	14	788313.1489	2.600	179.266	1.78	18.01			18.52	19.35	20.28	6.15
-2554	10	8	788490.0943	175.125	0.927	1.65	17.97			(17.26)	18.12	19.21	5.90
-2553	9	27	788844.1787	163.789	8.344	0.42	17.78	17.91		19.12		20.33	6.08
-2550	7	27	789878.4298	102.519	1.745	1.59	16.96	23.53	0.52	1.32	2.12	3.12	6.97
-2549	1	20	790055.2229	280.885	189.945	0.19	19.08	19.13		19.96		20.79	4.97
-2547	5	25	790911.4004	42.115	356.144	1.19	17.39	23.08	0.32	0.86	1.41	2.65	6.69
-2547	11	19	791089.4541	218.706	182.321	1.47	18.63	0.17	1.21	1.97	2.72	3.77	5.30
-2543	3	14	792300.3229	333.407	1.277	1.64	18.53	20.58	21.61	22.46	23.30	0.33	5.55
-2543	9	7	792476.5013	143.509	180.471	1.80	17.38	1.17	2.13	2.96	3.79	4.75	6.53
-2542	3	3	792654.4958	322.705	9.407	0.18	18.75	1.56		2.41		3.26	5.31
-2542	8	27	792831.1610	132.924	188.566	0.56	17.25	17.43		18.68		19.92	6.67
-2540	1	11	793333.1151	271.602	354.166	0.90	19.12			(17.69)		19.26	4.86
-2540	7	7	793510.6877	82.904	174.596	0.90	17.06	6.08		(7.74)			7.00
-2539	12	20	794042.3468	250.199	10.233	0.29	19.08	22.23		23.17		0.11	4.85
-2537	10	30	794721.4647	197.824	353.763	0.72	18.25	0.81		2.36		3.91	5.64
-2536	4	24	794898.4592	13.031	178.368	1.64	17.93	0.31	1.26	2.06	2.86	3.81	6.23
-2536	10	18	795075.4291	186.301	0.843	1.67	18.08	23.39	0.47	1.34	2.20	3.28	5.80
-2535	4	14	795253.1717	3.015	187.087	0.77	17.98			18.95		20.39	6.17
-2535	10	8	795429.5238	174.938	8.245	0.44	17.88	2.21		3.44		4.68	5.99
-2533	2	22	795932.2924	313.589	173.814	0.73	18.85	20.23		21.80		23.38	5.24
-2533	8	18	796109.1361	123.780	352.928	0.78	17.13			18.32		19.75	6.72
-2532	2	11	796286.3123	302.608	181.502	1.57	18.96	20.22	21.31	22.14	22.98	0.06	5.12
-2531	1	31	796640.5501	291.763	189.555	0.27	19.07	2.80		3.76		4.72	5.00
-2531	7	27	796818.1367	102.620	9.519	0.21	17.03	17.26		18.15		19.04	6.90
-2530	12	11	797320.3019	240.831	174.415	0.99	18.99	20.81		22.37		23.94	4.97
-2529	6	6	797496.6849	52.514	355.288	1.04	17.27	6.01	(7.46)	(7.73)			6.80
-2528	5	25	797851.1030	42.203	3.947	1.24	17.37			17.60	18.18	19.31	6.70
-2526	4	5	798531.1570	354.233	351.895	0.58	18.12			18.76		20.06	5.97
-2526	9	28	798707.3771	165.441	172.309	0.56	17.78	22.82		0.16		1.50	6.13
-2525	3	26	798885.6212	343.916	0.540	1.76	18.40	3.80	4.82	(5.69)			5.68
-2524	9	7	799416.5199	143.906	188.320	0.59	17.35	2.02		3.29		4.57	6.56
-2522	1	21	799918.4581	282.541	353.890	0.86	19.08	0.31		1.85		3.39	4.92
-2521	7	7	800450.0330	82.646	181.791	1.51	16.96			(15.89)	(16.72)	17.83	7.08
-2520	6	25	800804.1043	71.881	189.753	0.17	16.99			17.51		18.31	7.09
-2519	5	16	801129.0751	33.449	168.736	0.09	17.52			(17.12)		17.67	6.62
-2517	4	25	801838.4821	13.430	186.229	0.90	17.90	0.97		2.50		4.03	6.25
-2515	3	5	802517.5816	324.200	173.161	0.62	18.76	3.30		4.78			5.34
-2515	8	28	802694.4888	134.694	352.606	0.73	17.18	1.38		2.77		4.16	6.67
-2514	2	22	802871.6145	313.302	180.949	1.67	18.90	3.47	4.53	(5.40)			5.20
-2514	8	18	803049.0919	124.109	0.825	1.73	17.18			(17.14)	17.98	18.96	6.69
-2513	8	7	803403.4482	113.352	9.016	0.29	17.05	0.55		1.58		2.62	6.86
-2511	12	11	804260.1725	241.095	182.287	1.47	18.97			19.15	19.91	20.96	5.00
-2510	6	5	804436.4036	52.636	3.075	1.38	17.27	23.09	0.14	0.84	1.55	2.60	6.80
-2510	11	30	804614.3823	229.861	189.907	0.10	18.78	23.44		0.08		0.72	5.17
-2508	4	15	805116.4604	4.682	351.040	0.44	18.00	0.97		2.14		3.30	6.10
-2507	9	28	805647.2226	165.680	180.178	1.85	17.78	18.54	19.49	20.32	21.15	22.10	6.12
-2504	7	28	806681.2790	104.168	173.314	0.67	17.03	20.35		21.84		23.34	6.96
-2503	1	21	806858.3888	282.860	1.755	1.61	19.12	22.32	23.28	0.07	0.85	1.81	4.88
-2503	7	17	807035.3139	93.236	181.067	1.64	16.97	20.64	21.73	22.60	23.46	0.55	7.05
-2502	7	6	807389.3915	82.417	188.983	0.30	16.97	23.32		0.37		1.43	7.09
-2501	11	21	807892.1539	220.229	353.755	0.72	18.69			18.92		20.47	5.22
-2500	5	16	808069.0876	33.837	176.606	1.37	17.49			(17.30)	17.97	19.00	6.67
-2500	11	9	808246.1156	208.695	0.821	1.67	18.54			(17.87)	18.73	19.81	5.35
-2499	10	29	808600.2361	197.321	8.238	0.45	18.34	19.38		20.61		21.85	5.53
-2496	8	28	809634.4334	135.012	0.507	1.78	17.24	23.50	0.48	1.33	2.17	3.15	6.62
-2495	2	21	809811.1990	313.267	188.598	0.44	18.78			19.30		20.50	5.33
-2493	6	27	810667.2625	73.443	353.660	0.78	16.99	20.04		21.58		23.13	7.02
-2493	12	23	810845.5279	252.219	182.218	1.48	19.06	1.79	2.84	3.61	4.38		4.93

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2492	6	16	811021.7130	63.090	2.276	1.51	17.17	6.50	(7.51)	(8.28)			6.89
-2491	6	5	811376.3879	52.995	10.961	0.19	17.30	23.58		0.36		1.14	6.77
-2490	10	20	811878.0895	187.792	172.237	0.56	18.21			(17.34)		18.66	5.70
-2489	4	16	812056.1968	4.803	358.874	1.66	17.97		18.84	19.69	20.54	21.59	6.11
-2489	10	10	812232.5928	176.842	180.141	1.85	17.90	3.47	4.42	5.25			6.00
-2488	4	4	812410.3324	354.206	7.068	0.59	18.20	21.27		22.71		0.15	5.88
-2488	9	28	812587.2478	166.082	188.015	0.63	17.75	19.50		20.82		22.14	6.14
-2486	2	12	813089.1228	304.204	353.056	0.74	18.89			(17.73)		19.18	5.16
-2486	8	9	813266.5851	114.901	172.809	0.58	17.09	3.74		5.15		6.56	6.88
-2485	7	29	813620.6064	103.883	180.459	1.74	17.00	3.61	4.69	5.57	6.45		7.00
-2484	1	22	813798.4244	283.272	9.586	0.38	19.15	23.73		0.80		1.88	4.85
-2484	7	17	813974.6904	93.003	188.321	0.42	16.96	6.29		(7.51)			7.07
-2483	12	1	814477.4908	231.420	353.689	0.71	18.77	1.44		2.98		4.53	5.14
-2482	5	27	814654.3974	44.260	175.699	1.22	17.43	23.14	0.23	0.79	1.34	2.44	6.72
-2482	11	20	814831.4546	219.908	0.777	1.68	18.64	0.06	1.14	2.00	2.87	3.95	5.26
-2481	5	17	815009.0922	34.233	184.444	1.17	17.46			(17.29)	17.80	18.97	6.69
-2481	11	10	815185.5904	208.554	8.229	0.46	18.44	3.90		5.14			5.44
-2479	3	26	815688.1373	345.239	171.608	0.35	18.33			(18.25)		19.41	5.79
-2479	9	19	815865.2052	156.750	352.159	0.65	17.60	18.66		20.00		21.33	6.24
-2478	3	15	816042.1981	334.489	179.579	1.76	18.49		18.62	19.49	20.37	21.42	5.63
-2477	3	5	816396.5108	323.921	187.962	0.55	18.71	1.51		2.82		4.13	5.41
-2477	8	29	816574.0828	135.055	8.214	0.42	17.35			(16.78)		17.99	6.52
-2475	1	12	817076.3820	274.082	173.937	0.91	19.19	22.54		0.08		1.61	4.85
-2475	7	8	817252.5574	83.992	352.913	0.65	16.93	3.18		4.63		6.07	7.06
-2474	6	27	817607.0218	73.602	1.486	1.64	17.02			(15.68)	(16.49)	17.47	6.98
-2472	5	7	818287.0687	25.485	349.328	0.15	17.57			(16.91)		17.63	6.52
-2472	10	30	818463.4531	199.008	172.269	0.57	18.34	0.76		2.09		3.43	5.58
-2471	4	26	818641.4810	15.192	358.005	1.51	17.84	0.73	1.81	2.61	3.41	4.49	6.25
-2470	4	16	818995.6037	4.609	6.199	0.74	18.06	3.74		5.32			6.02
-2470	10	10	819172.6206	177.245	187.970	0.64	17.87	4.48		5.81			6.03
-2468	2	23	819674.4499	314.917	352.533	0.66	18.79	0.20		1.58		2.96	5.27
-2463	5	27	821594.3987	44.637	183.575	1.31	17.39	22.98	0.06	0.70	1.35	2.43	6.76
-2461	4	6	822273.4107	355.675	170.762	0.20	18.22	0.01		0.90		1.80	5.90
-2461	10	1	822450.5729	167.866	352.057	0.63	17.67	3.54		4.86			6.17
-2460	3	25	822627.4860	344.987	178.812	1.63	18.39	0.57	1.63	2.48	3.34	4.40	5.73
-2460	9	19	822805.1265	157.045	0.066	1.85	17.65			17.99	18.84	19.83	6.20
-2459	9	8	823159.4111	146.011	7.948	0.46	17.44	23.39		0.66		1.93	6.43
-2456	1	13	824016.2157	274.293	181.836	1.54	19.14		19.16	19.96	20.76	21.81	4.91
-2456	7	7	824192.3411	84.157	0.788	1.75	16.96	21.50	22.47	23.30	0.14	1.10	7.01
-2455	1	1	824370.3899	263.185	189.560	0.15	19.09	23.30		0.08		0.87	4.91
-2453	10	31	825403.3374	199.283	180.140	1.85	18.33	21.42	22.36	23.19	0.02	0.96	5.57
-2450	8	30	826437.2103	136.613	172.010	0.43	17.36	18.88		20.13		21.38	6.57
-2449	2	23	826614.4147	315.271	0.383	1.83	18.81	22.85	23.78	0.61	1.44	2.38	5.25
-2449	8	19	826791.2074	125.421	179.452	1.72	17.19	17.98	19.06	19.94	20.81	21.89	6.76
-2448	8	7	827145.3055	114.408	187.196	0.62	17.03	20.76		22.18		23.61	6.93
-2447	12	23	827648.1581	253.677	353.464	0.66	19.06			(18.89)		20.40	4.89
-2446	6	18	827825.0276	65.174	174.006	0.96	17.10			(15.94)		17.48	7.01
-2446	12	12	828002.1330	242.253	0.654	1.71	19.00			(18.22)	19.08	20.16	4.93
-2445	6	8	828179.7010	55.074	182.699	1.45	17.32	6.22	(7.25)	(7.99)			6.81
-2445	12	1	828356.3044	230.983	8.223	0.47	18.86	21.01		22.25		23.50	5.04
-2442	9	30	829390.4823	168.150	359.968	1.85	17.74	0.73	1.72	2.57	3.42	4.41	6.12
-2441	3	26	829567.1328	345.018	186.554	0.80	18.28			(17.88)		19.38	5.86
-2439	7	29	830423.1779	105.267	351.706	0.46	16.96	18.18		19.43		20.67	6.95
-2438	1	24	830601.5516	285.217	181.545	1.59	19.14	2.10	3.14	3.96	4.78		4.92
-2438	7	19	830777.6662	94.778	0.158	1.86	16.92	5.26	6.22	(7.06)			7.03
-2437	7	8	831132.3501	84.544	8.656	0.55	17.00	22.16		23.41		0.65	6.98
-2436	11	21	831634.1784	221.471	172.316	0.59	18.75			19.51		20.86	5.18
-2435	5	18	831812.0372	35.948	356.193	1.19	17.43			(16.12)	(16.67)	17.91	6.64
-2434	5	7	832166.1335	25.356	4.348	1.06	17.64		17.88	18.72	18.56	20.01	6.44
-2434	10	31	832343.3688	199.691	187.966	0.64	18.31	22.51		23.83		1.15	5.60
-2432	9	10	833022.5343	147.573	171.750	0.38	17.48	2.74		3.92		5.10	6.45
-2431	8	30	833376.5212	136.300	179.097	1.66	17.29	1.51	2.59	3.46	4.32	5.41	6.64
-2430	2	23	833554.4463	315.679	8.224	0.59	18.84	23.96		1.26		2.55	5.22
-2430	8	19	833730.6271	125.220	186.782	0.69	17.12	4.40		5.88			6.83

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2428	1	3	834233.4862	264.716	353.281	0.63	19.08	1.20		2.68		4.17	4.88
-2428	6	28	834410.3497	75.688	173.247	0.84	17.08	22.19		23.65		1.12	7.01
-2428	12	22	834587.4699	253.357	0.544	1.73	19.05	0.30	1.37	2.24	3.11	4.18	4.89
-2427	6	18	834765.0100	65.532	181.896	1.57	17.06			(15.41)	(16.20)	17.20	7.05
-2426	6	7	835119.4422	55.198	190.544	0.06	17.22	1.16		1.64		2.11	6.90
-2425	10	22	835621.3165	190.239	351.992	0.62	18.14	21.47		22.79		0.10	5.72
-2424	4	16	835798.0522	5.851	177.126	1.35	17.94			(16.26)	(16.97)	18.10	6.20
-2423	4	5	836152.4373	355.493	185.752	0.94	18.19	23.69		1.28		2.86	5.95
-2423	9	30	836330.0805	168.124	7.616	0.50	17.88			(16.79)		18.12	5.99
-2421	2	14	836832.4151	306.671	172.813	0.73	18.98	23.31		0.74		2.16	5.13
-2421	8	9	837008.4973	116.019	351.208	0.38	16.98	1.91		3.05		4.20	6.91
-2419	7	19	837717.6793	95.174	8.007	0.65	16.96	5.93		(7.26)			7.00
-2418	12	3	838219.5408	232.678	172.317	0.59	18.87	2.84		4.18			5.08
-2417	5	29	838397.3146	46.332	355.297	1.03	17.31	21.10	22.60	22.83	23.06	0.56	6.76
-2417	11	22	838574.0895	221.760	180.205	1.85	18.74			(17.25)	(18.08)	19.02	5.19
-2416	5	17	838751.3979	35.718	3.415	1.23	17.51	22.78	0.02	0.64	1.25	2.50	6.56
-2414	3	27	839430.3978	346.673	350.485	0.35	18.29	23.44		0.50		1.55	5.80
-2410	7	10	840995.6739	86.261	172.535	0.72	17.07	6.01		(7.40)			7.00
-2409	6	29	841350.3195	76.039	181.128	1.69	17.03	21.00	21.98	22.81	23.64	0.63	7.05
-2406	4	27	842383.3293	16.249	176.210	1.20	17.84	21.21	22.44	23.00	23.57	0.79	6.30
-2406	10	22	842561.1961	190.510	359.868	1.83	18.21		18.93	19.78	20.63	21.63	5.66
-2405	10	11	842915.4172	179.272	7.507	0.52	17.98	23.56		0.91		2.26	5.89
-2402	2	14	843772.1940	306.847	180.653	1.74	18.89			19.31	20.17	21.20	5.21
-2402	8	9	843948.3284	116.247	359.078	1.73	17.04	21.09	22.04	22.87	23.69	0.65	6.84
-2401	2	3	844126.3383	295.925	188.544	0.33	19.00	21.54		22.65		23.77	5.07
-2399	6	9	844982.5896	56.745	354.401	0.87	17.19	3.82		5.46			6.86
-2399	12	2	845159.4600	232.986	180.184	1.85	18.85	0.36	1.30	2.12	2.94	3.88	5.10
-2398	5	29	845336.6599	46.097	2.470	1.39	17.38	5.07	6.22	(6.98)			6.69
-2398	11	22	845514.1176	222.181	187.993	0.63	18.71			(17.82)		19.13	5.22
-2396	10	1	846193.1958	169.695	171.427	0.31	17.89	18.77		19.86		20.05	6.03
-2395	3	27	846370.3968	347.045	358.353	1.64	18.31	22.61	23.56	0.36	1.15	2.10	5.78
-2395	9	20	846547.1678	158.281	178.611	1.57	17.67		18.18	19.02	19.86	20.95	6.24
-2394	9	9	846901.2911	147.082	186.193	0.80	17.45	20.27		21.82		23.37	6.47
-2392	1	25	847404.1212	286.592	352.674	0.53	19.05			(17.79)		19.17	4.96
-2391	1	13	847758.1274	275.388	0.119	1.81	19.14			(17.87)	(18.74)	19.80	4.85
-2391	7	10	847935.6343	86.597	180.432	1.80	17.02	4.50	5.48	6.33			7.04
-2390	1	2	848112.3634	264.342	7.963	0.53	19.15	22.18		23.48		0.78	4.81
-2388	5	8	848968.6117	26.623	175.314	1.05	17.74	4.15	5.57	5.87	6.16		6.39
-2388	11	2	849146.5591	201.726	359.891	1.83	18.30	2.67	3.67	4.52	5.37		5.57
-2385	8	31	850179.1577	137.762	350.455	0.27	17.31	17.91		18.87		19.84	6.55
-2384	2	26	850357.5070	317.539	180.103	1.83	18.82	0.94	1.97	2.84	3.70	4.73	5.28
-2384	8	20	850533.6728	127.090	358.683	1.67	17.07	5.34	6.30	(7.11)			6.79
-2383	2	14	850711.6419	306.680	188.047	0.41	18.95	4.68		(5.92)			5.13
-2383	8	9	850888.3526	116.651	6.927	0.81	17.07	21.89		23.33		0.78	6.81
-2382	12	24	851390.2569	254.981	172.185	0.58	19.13	19.92		21.25		22.58	4.86
-2380	12	2	852099.4934	233.396	188.005	0.63	18.82	1.49		2.81		4.12	5.13
-2378	10	13	852778.5289	180.844	171.323	0.29	18.02	2.84		3.90		4.96	5.90
-2377	10	1	853137.4962	169.377	178.448	1.54	17.81	1.01	2.11	2.94	3.76	4.87	6.11
-2376	3	27	853310.4113	347.451	6.173	0.90	18.33	23.06		0.59		2.12	5.76
-2376	9	20	853486.6297	158.131	185.991	0.84	17.57	4.40		5.97			6.34
-2374	2	4	853989.4241	297.426	352.219	0.45	18.98	23.73		1.02		2.30	5.05
-2374	7	31	854166.3353	107.609	171.321	0.53	17.06	21.95		23.18		0.41	6.92
-2373	1	24	854343.4442	286.309	359.768	1.79	19.09	23.47	0.53	1.40	2.28	3.33	4.91
-2372	7	9	854875.3082	86.670	188.173	0.44	16.95	21.13		22.37		23.61	7.10
-2371	11	23	855377.4334	223.957	352.003	0.61	18.66	0.32		1.63		2.94	5.22
-2369	5	8	855908.3390	26.752	183.118	1.38	17.65	21.44	22.49	23.19	23.89	0.94	6.50
-2369	11	2	856086.1026	201.655	7.428	0.52	18.45			(17.43)		18.79	5.44
-2367	3	18	856588.3851	338.597	170.942	0.42	18.51	22.99		0.13		1.28	5.63
-2367	9	11	856764.5012	148.741	350.220	0.24	17.38	2.22		3.13		4.04	6.47
-2365	8	21	857473.7004	127.495	6.529	0.87	17.10	6.18		(7.66)			6.77
-2363	1	4	857975.6117	266.044	172.044	0.57	19.19	4.38		(5.68)			4.82
-2363	6	30	858153.1560	77.664	352.798	0.58	16.96	17.62		19.03		20.45	7.03
-2363	12	24	858330.2025	255.299	180.077	1.87	19.10			19.82	20.64	21.58	4.90
-2362	6	19	858507.2016	66.913	0.737	1.70	17.07	18.05	19.13	20.01	20.89	21.98	6.95

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2361	6	8	858861.2991	56.258	8.832	0.33	17.23	21.12		22.22		23.32	6.82
-2356	8	11	860751.6764	118.386	170.852	0.45	17.12	6.18		(7.33)			6.85
-2355	7	31	861106.2712	107.919	179.224	1.74	17.02	19.70	20.69	21.53	22.37	23.36	6.95
-2354	7	21	861460.6066	97.269	187.523	0.54	16.96	4.12		5.48		6.84	7.06
-2352	5	29	862139.1765	47.392	173.506	0.75	17.33	18.01		19.54		21.06	6.79
-2352	11	23	862317.2787	224.177	359.908	1.83	18.74	19.93	20.95	21.80	22.65	23.66	5.16
-2351	5	19	862493.6436	37.145	182.243	1.52	17.57	4.79	5.79	6.57			6.58
-2351	11	12	862671.4487	212.861	7.427	0.52	18.55	0.38		1.75		3.11	5.34
-2350	5	8	862848.3274	27.116	191.005	0.19	17.62	22.04		22.81		23.57	6.54
-2348	3	18	863528.1065	338.719	178.735	1.63	18.40			(17.33)	(18.18)	19.22	5.72
-2348	9	10	863704.3761	149.013	358.101	1.58	17.44	22.25	23.22	24.00	0.78	1.75	6.40
-2347	3	7	863882.2227	327.975	186.777	0.63	18.57			19.91		21.40	5.53
-2347	8	31	864059.0489	138.429	6.176	0.92	17.41			(16.02)		17.53	6.44
-2345	7	11	864738.4394	88.213	352.043	0.45	16.91	0.53		1.80		3.07	7.06
-2344	1	5	864915.5627	266.384	179.898	1.86	19.15	2.62	3.56	4.38			4.86
-2344	6	29	865092.4734	77.397	359.903	1.81	17.00	0.55	1.63	2.52	3.41	4.49	7.01
-2344	12	24	865270.2302	255.720	187.872	0.64	19.07			20.37		21.70	4.93
-2343	6	19	865446.5806	66.708	7.976	0.48	17.13	3.69		4.98		6.27	6.90
-2342	11	3	865949.2075	203.227	171.253	0.27	18.46	19.22		20.25		21.29	5.47
-2341	4	29	866126.3392	18.415	355.809	1.24	17.76	21.59	22.68	23.25	23.82	0.90	6.34
-2341	10	23	866303.1720	191.699	178.314	1.52	18.25		18.42	19.24	20.05	21.16	5.68
-2340	10	11	866657.3290	180.393	185.819	0.87	18.00	21.25		22.84		0.42	5.91
-2337	8	12	867691.5996	118.684	178.756	1.66	17.09	3.55	4.55	5.38	6.20		6.87
-2336	2	4	867868.3789	297.140	7.062	0.70	19.04	22.23		23.67		1.11	4.99
-2335	12	15	868548.1764	246.336	351.974	0.60	19.00			19.37		20.68	4.93
-2334	6	9	868724.4663	57.804	172.656	0.62	17.26	1.11		2.51		3.92	6.85
-2334	12	5	868902.6377	235.371	359.906	1.82	18.81	4.51	(5.53)	(6.38)			5.10
-2332	5	19	869433.6414	37.518	190.122	0.33	17.55	5.42		6.41			6.61
-2331	10	2	869935.2022	170.913	349.928	0.20	17.83	19.19		20.02		20.85	6.02
-2330	3	29	870113.3991	349.212	177.967	1.50	18.30	22.56	23.64	0.44	1.23	2.31	5.82
-2329	3	19	870467.5056	338.515	186.043	0.76	18.47	1.17		2.77		4.37	5.64
-2329	9	11	870644.4079	149.423	5.938	0.96	17.47	23.12		0.65		2.18	6.37
-2327	1	25	871146.3017	287.980	171.499	0.49	19.14	20.88		22.10		23.33	4.93
-2325	1	5	871855.5941	266.793	187.729	0.66	19.12	3.67		(5.02)			4.89
-2324	11	14	872534.5503	214.431	171.255	0.27	18.60	3.46		4.49			5.34
-2323	5	10	872711.6532	28.821	354.939	1.10	17.65	5.26	(6.47)	(6.86)			6.45
-2323	11	3	872888.5170	202.898	178.312	1.52	18.38	1.63	2.73	3.55	4.36	5.46	5.55
-2322	4	29	873066.3371	18.787	3.683	1.29	17.78	21.36	22.45	23.08	23.71	0.80	6.32
-2320	3	8	873745.3016	329.452	350.435	0.14	18.55	21.37		22.12		22.87	5.52
-2320	9	1	873922.3706	140.183	170.135	0.33	17.39	22.97		23.97		0.97	6.52
-2319	2	25	874099.3694	318.598	358.300	1.54	18.75	21.67	22.75	23.57	0.39	1.46	5.31
-2318	8	11	874631.2136	118.694	186.415	0.72	17.08	18.44		19.97		21.51	6.87
-2317	12	27	875133.5371	257.469	351.854	0.58	19.02	2.66		3.96			4.92
-2315	6	9	875664.2547	57.992	180.505	1.80	17.19	19.50	20.46	21.30	22.14	23.10	6.94
-2315	12	4	875842.1315	235.249	7.351	0.53	18.95			(18.09)		19.47	4.97
-2313	4	20	876344.3009	10.023	168.488	0.01	17.96	22.24		22.38		22.53	6.18
-2313	10	14	876520.5580	182.083	349.853	0.19	17.92	3.79		4.60		5.42	5.93
-2312	4	9	876698.6813	359.668	177.111	1.35	18.20	5.45	(6.59)	(7.30)			5.92
-2312	10	2	876875.1021	171.207	357.810	1.53	17.89			(17.49)	18.25	19.23	5.95
-2308	1	26	878086.2774	288.330	179.381	1.79	19.10	19.64	20.57	21.40	22.22	23.15	4.98
-2308	7	21	878263.0437	98.520	358.495	1.56	16.97			(16.13)	(16.97)	18.07	6.96
-2307	7	10	878617.1702	87.734	6.499	0.74	16.99	17.55		19.08		20.60	6.98
-2304	5	10	879651.6420	29.185	2.820	1.43	17.66	4.72	5.75	(6.48)			6.43
-2302	3	20	880330.5836	339.989	349.705	0.01	18.42	4.73		4.96		5.19	5.65
-2301	3	9	880684.6689	329.214	357.668	1.44	18.63	4.93	(6.03)	(6.80)			5.44
-2301	9	2	880862.2674	140.455	178.040	1.53	17.38	19.57	20.60	21.38	22.17	23.20	6.54
-2300	8	22	881216.5281	129.514	186.004	0.79	17.18	1.92		3.50		5.09	6.76
-2298	7	1	881895.0550	78.761	171.053	0.36	17.02			(16.62)		17.73	7.03
-2298	12	26	882073.3384	257.648	359.736	1.80	19.09	21.19	22.21	23.07	23.93	0.95	4.86
-2297	6	21	882249.5678	68.460	179.707	1.84	17.15	3.02	3.97	4.81	5.66	6.61	6.96
-2297	12	15	882427.4707	246.392	7.279	0.54	19.01	0.79		2.18		3.57	4.92
-2296	6	9	882604.2679	58.384	188.373	0.59	17.16	20.23		21.51		22.79	6.97
-2294	10	13	883460.4743	182.379	357.767	1.53	17.97	0.73	1.71	2.46	3.22	4.20	5.88
-2293	10	3	883815.1355	171.620	5.641	1.00	17.92			18.18		19.74	5.93

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2291	8	12	884494.3305	120.244	350.271	0.12	17.05	22.37		23.07		23.77	6.84
-2290	2	6	884671.6213	299.202	178.963	1.72	19.08	3.85	4.79	(5.61)			5.01
-2290	8	1	884848.3337	109.196	357.867	1.45	16.99	21.13	22.26	23.05	23.84	0.97	6.93
-2289	1	26	885026.2997	288.746	187.190	0.74	19.06	20.39		21.81		23.24	5.01
-2289	7	21	885202.4699	98.353	5.825	0.86	16.97	0.63		2.23		3.83	6.98
-2288	12	5	885705.2271	236.812	171.177	0.26	18.96	19.68		20.69		21.70	5.00
-2287	5	31	885882.2767	49.656	353.176	0.83	17.26	20.47		21.93		23.39	6.82
-2287	11	24	886059.2045	225.318	178.291	1.52	18.78		19.24	20.05	20.86	21.96	5.17
-2286	11	13	886413.4072	214.033	185.856	0.87	18.55	23.22		0.79		2.37	5.38
-2285	5	10	886591.3695	29.313	10.615	0.05	17.63	23.38		23.80		0.22	6.45
-2284	9	23	887093.0859	162.267	169.738	0.26	17.79			(17.19)		18.09	6.11
-2283	9	13	887447.6065	151.455	177.786	1.48	17.50	3.73	4.78	5.54	6.31		6.42
-2282	3	8	887624.3427	329.283	5.406	0.99	18.61	21.23		22.84		0.45	5.46
-2280	1	17	888304.2518	279.529	351.483	0.51	19.08	19.72		20.95		22.19	4.91
-2280	7	11	888480.3606	89.316	170.359	0.25	17.03	22.97		23.91		0.85	7.01
-2278	6	21	889189.5873	68.856	187.566	0.72	17.12	3.78		5.17		6.55	7.00
-2277	11	4	889691.2893	204.500	349.879	0.21	18.38	21.37		22.21		23.05	5.49
-2276	4	30	889869.2429	20.457	175.359	1.04	17.75	19.24	20.70	20.97	21.24	22.71	6.38
-2275	4	19	890223.3210	9.837	183.476	1.22	17.91	20.76	22.01	22.62	23.22	0.47	6.21
-2275	10	14	890400.5077	182.790	5.596	1.00	17.99	1.59	3.09	3.16	3.22	4.72	5.85
-2273	2	27	890902.2995	320.318	170.075	0.29	18.78	21.05		22.01		22.97	5.35
-2273	8	24	891079.6407	131.067	349.850	0.04	17.11	6.08		6.51			6.77
-2272	8	12	891433.6359	119.936	357.356	1.36	17.03	4.38	5.55	6.27			6.88
-2271	2	6	891611.6451	299.604	186.810	0.80	19.04	4.60		(6.06)			5.04
-2270	12	17	892290.5631	247.948	171.099	0.24	19.06	3.71		4.70			4.91
-2269	6	12	892467.5928	60.096	352.343	0.70	17.16	4.16		5.53		6.90	6.91
-2269	12	6	892644.5493	236.498	178.270	1.52	18.90	2.38	3.48	4.29			5.06
-2268	5	31	892822.2439	49.998	1.067	1.70	17.28	19.21	20.19	21.03	21.86	22.85	6.79
-2267	5	21	893176.6519	39.688	9.729	0.19	17.51	5.80		(6.64)			6.57
-2266	10	4	893678.4526	173.395	169.658	0.24	17.90	1.16		2.03		2.91	6.00
-2265	3	30	893855.2504	350.269	356.177	1.19	18.22	19.12	20.35	20.90	21.46	22.69	5.86
-2264	3	19	894209.6583	339.854	4.729	1.11	18.50	4.82	(6.08)	(6.48)			5.59
-2264	9	12	894387.1693	151.392	185.384	0.88	17.54			18.91		20.57	6.38
-2262	1	28	894889.5947	290.461	351.148	0.45	19.03	3.95		(5.13)			4.98
-2262	7	23	895065.6679	99.949	169.702	0.15	17.04	6.51		(7.24)			6.97
-2261	7	12	895420.2032	89.557	178.233	1.60	16.98	18.23	19.20	20.00	20.79	21.77	7.05
-2260	1	6	895598.1285	268.529	6.928	0.60	19.18			(17.82)		19.27	4.80
-2258	5	12	896454.5147	30.836	174.417	0.87	17.65	1.93		3.58		5.22	6.48
-2258	11	4	896631.2216	204.825	357.748	1.52	18.43	18.73	19.71	20.46	21.22	22.19	5.43
-2257	5	1	896808.5836	20.219	182.527	1.39	17.81	3.10	4.26	5.01	5.77		6.32
-2255	3	10	897487.6188	330.960	169.417	0.19	18.71	4.93		(5.72)			5.42
-2254	2	27	897842.2967	320.706	177.907	1.56	18.74	20.09	21.05	21.82	22.60	23.56	5.39
-2253	8	12	898373.0962	119.796	4.748	1.05	17.15			17.19	17.48	18.89	6.74
-2250	6	12	899407.5480	60.428	0.240	1.84	17.17	2.51	3.49	4.34	5.20	6.17	6.88
-2250	12	5	899584.1322	236.450	185.898	0.88	18.91			(18.15)		19.72	5.06
-2247	4	10	900440.5393	0.717	355.370	1.06	18.09	2.21	3.61	3.93	4.25	5.65	6.00
-2247	10	4	900618.3082	173.622	177.555	1.44	17.91	20.64	21.71	22.46	23.20	0.27	6.00
-2246	9	24	900972.5005	162.427	185.207	0.91	17.67	1.21		2.89		4.57	6.25
-2243	1	27	901829.3459	290.592	358.990	1.67	19.06	21.15	22.19	23.04	23.88	0.92	4.96
-2243	7	23	902005.5316	100.195	177.614	1.51	17.01	2.09	3.08	3.84	4.59	5.58	7.01
-2242	1	16	902183.4504	279.496	6.663	0.65	19.15	23.97		1.47		2.96	4.84
-2242	7	12	902360.2318	89.963	186.083	0.94	16.95	19.04		20.57		22.10	7.09
-2240	11	15	903216.5994	216.062	357.775	1.53	18.50	3.81	4.78	(5.54)			5.36
-2239	11	4	903571.2539	205.235	5.575	1.00	18.46	19.56	21.08	21.13	21.17	22.69	5.40
-2236	3	10	904427.6285	331.344	177.279	1.47	18.68	4.12	5.10	(5.83)			5.46
-2236	9	2	904604.2578	141.660	356.550	1.22	17.37	19.35	20.59	21.19	21.78	23.03	6.51
-2235	2	27	904782.3114	321.099	185.771	0.96	18.71	20.49		22.06		23.63	5.42
-2235	8	22	904958.4232	130.628	4.351	1.12	17.20	23.30	0.58	1.02	1.46	2.74	6.67
-2233	1	7	905461.2184	270.061	170.752	0.19	19.19	19.41		20.27		21.13	4.84
-2233	7	3	905638.2311	81.105	350.792	0.45	16.93	19.67		20.81		21.96	7.05
-2233	12	27	905815.2283	258.741	178.085	1.49	19.13		19.66	20.45	21.25	22.35	4.88
-2232	12	15	906169.4899	247.617	185.854	0.89	19.00	1.11		2.68		4.25	4.98
-2231	6	11	906347.2145	60.486	7.988	0.47	17.17	18.92		20.20		21.48	6.87
-2230	10	26	906849.1934	195.781	169.629	0.23	18.34	19.04		19.89		20.74	5.57

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2229	10	16	907203.6623	184.786	177.510	1.43	18.04	5.18	(6.26)	(7.00)			5.87
-2228	4	9	907380.2780	0.844	3.191	1.36	18.07	19.79	20.84	21.53	22.22	23.27	6.03
-2226	2	18	908060.2676	312.079	350.285	0.31	18.79	20.24		21.24		22.23	5.27
-2225	2	8	908414.6666	301.424	358.576	1.60	18.98	4.81	(5.87)	(6.70)			5.05
-2224	7	23	908945.5613	100.607	185.445	1.04	16.97	2.86	4.18	4.43	4.68	6.01	7.04
-2223	12	6	909447.3851	238.162	349.888	0.23	18.86	23.60		0.46		1.33	5.05
-2222	6	2	909625.0636	51.588	172.601	0.55	17.26			(16.85)		18.24	6.86
-2221	5	22	909979.1143	40.940	180.656	1.72	17.38			17.90	18.78	19.86	6.74
-2221	11	16	910156.6286	216.475	5.590	1.00	18.53	4.56		(6.12)			5.34
-2220	5	10	910333.2236	30.361	188.853	0.33	17.54	19.23		20.33		21.42	6.60
-2218	9	14	911189.5800	152.632	356.273	1.17	17.46	3.13	4.41	4.94	5.48		6.41
-2217	3	11	911367.6353	331.735	185.136	1.06	18.64	4.26	(5.58)	(5.88)			5.49
-2215	1	18	912046.5333	281.031	170.442	0.13	19.20	3.02		3.75		4.49	4.84
-2215	7	14	912223.5517	91.697	350.075	0.33	16.89	3.46		4.47		5.47	7.07
-2214	1	7	912400.5578	269.790	177.876	1.46	19.17	2.40	3.50	4.28			4.85
-2214	7	3	912578.1552	81.422	358.663	1.65	16.97	17.05	18.05	18.88	19.71	20.71	7.01
-2213	6	22	912932.4940	70.943	7.138	0.61	17.08	1.47		2.90		4.33	6.94
-2212	11	6	913434.5624	207.021	169.630	0.22	18.46	3.92		4.77			5.45
-2211	5	1	913611.1064	21.537	353.612	0.77	17.66			17.72		19.26	6.43
-2210	4	21	913965.5808	11.289	2.332	1.51	17.95	3.12	4.12	4.89	5.66		6.15
-2210	10	15	914143.1688	184.678	184.980	0.94	18.10			19.02		20.72	5.82
-2209	4	10	914320.2648	1.221	11.031	0.18	18.09	20.35		21.11		21.86	6.01
-2208	3	1	914645.5898	322.782	349.705	0.21	18.69	4.15		4.99			5.38
-2207	8	13	915176.2003	121.702	176.566	1.34	17.15	18.11	19.15	19.81	20.47	21.51	6.78
-2204	6	12	916210.3401	61.993	171.733	0.39	17.19	22.30		23.50		0.71	6.91
-2204	12	6	916387.3505	238.501	357.774	1.53	18.90	21.78	22.75	23.51	0.26	1.24	5.00
-2203	6	1	916564.3823	51.312	179.742	1.78	17.30	22.40	23.48	0.37	1.26	2.34	6.82
-2202	5	22	916918.5047	40.733	187.955	0.49	17.45	1.84		3.14		4.44	6.68
-2200	3	31	917598.2762	352.443	175.809	1.24	18.23	19.87	20.96	21.53	22.10	23.19	5.92
-2199	9	13	918129.0974	152.524	3.792	1.22	17.60			(17.23)	17.80	18.98	6.26
-2196	7	13	919163.4669	91.990	357.984	1.53	16.93	0.51	1.53	2.32	3.11	4.13	7.03
-2195	1	6	919340.1937	269.800	185.589	0.94	19.12			19.41		21.01	4.91
-2193	5	12	920196.3935	31.916	352.734	0.63	17.53	23.28		0.69		2.11	6.55
-2193	11	6	920374.3750	207.208	177.511	1.42	18.48	22.34	23.42	0.16	0.90	1.98	5.45
-2192	10	26	920728.5109	195.855	184.951	0.95	18.24	1.55		3.26		4.97	5.68
-2191	4	21	920905.5815	11.664	10.199	0.31	17.97	3.83		4.80		5.77	6.13
-2189	3	1	921585.2839	322.858	357.490	1.41	18.67	19.68	20.79	21.54	22.29	23.40	5.39
-2189	8	25	921761.5475	132.563	176.189	1.28	17.24	2.45	3.52	4.13	4.74	5.81	6.68
-2188	2	18	921939.3669	311.960	5.329	0.88	18.86	21.68		23.37		1.05	5.18
-2188	8	13	922116.2352	122.115	184.398	1.20	17.12	18.89	20.01	20.53	21.06	22.18	6.81
-2186	6	24	922795.6140	72.447	170.869	0.24	17.14	5.11		6.07			6.94
-2185	6	13	923149.6480	61.721	178.823	1.62	17.22	4.81	5.90	6.76			6.88
-2185	12	7	923327.3731	238.918	5.576	1.00	18.93	22.37		23.93		1.50	4.97
-2182	4	12	924183.5904	2.926	174.966	1.11	18.16	3.56	4.76	5.16	5.56		6.00
-2182	10	5	924360.2426	174.773	355.927	1.11	17.91	19.14	20.49	20.92	21.36	22.71	5.96
-2181	4	1	924538.2649	352.824	183.658	1.29	18.19	19.42	20.51	21.14	21.78	22.87	5.95
-2181	9	24	924714.4408	163.586	3.599	1.25	17.69	23.75	0.90	1.50	2.11	3.26	6.17
-2179	8	4	925394.2121	113.072	348.891	0.14	16.99	19.57		20.23		20.90	6.89
-2178	1	28	925571.2058	291.670	177.265	1.36	19.07			19.70	20.42	21.55	5.01
-2177	1	18	925925.5364	280.801	185.332	0.99	19.14	1.95		3.56			4.91
-2177	7	14	926103.0672	91.991	5.626	0.86	16.99			(16.59)		18.23	6.96
-2176	11	27	926605.3088	229.480	169.702	0.23	18.86	21.81		22.67		23.53	5.08
-2175	5	23	926781.6823	42.299	351.859	0.49	17.41	6.40		(7.68)			6.67
-2174	5	12	927136.1944	32.101	0.616	1.79	17.53	17.98	18.94	19.78	20.62	21.58	6.56
-2171	3	12	928170.5840	333.462	356.847	1.30	18.55	2.96	4.12	4.79	5.46		5.52
-2170	3	1	928524.6604	322.626	4.738	0.99	18.75	4.69		(6.44)			5.31
-2170	8	25	928701.5830	132.977	184.021	1.25	17.21	3.20	4.29	4.87	5.45	6.53	6.71
-2168	1	8	929203.4618	271.502	349.565	0.19	19.07	1.28		2.08		2.88	4.90
-2166	6	12	930089.0709	61.545	186.188	0.80	17.09			(16.78)		18.35	7.01
-2164	10	16	930945.5839	185.917	355.857	1.10	18.02	3.38	4.74	5.16	5.57		5.86
-2163	4	12	931123.5747	3.288	182.857	1.42	18.11	2.91	3.95	4.67	5.40		6.04
-2162	9	24	931654.3030	163.827	11.509	0.07	17.75	21.61		22.09		22.58	6.09
-2161	8	16	931979.5525	123.864	348.436	0.06	17.02	3.92		4.38		4.83	6.85
-2160	2	9	932156.5237	302.493	176.855	1.30	19.02	1.47	2.63	3.30	3.96		5.06

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2160	8	4	932334.0982	113.335	356.801	1.33	17.05			17.39	18.06	19.17	6.84
-2159	7	24	932688.3625	102.603	4.983	0.97	16.99	21.93		23.64		1.34	6.95
-2157	11	28	933545.0866	229.648	177.532	1.42	18.86			(17.22)	(17.97)	19.06	5.09
-2156	5	22	933721.4975	42.513	359.717	1.84	17.42	1.32	2.27	3.11	3.96	4.91	6.67
-2156	11	16	933899.1933	218.269	184.917	0.95	18.66			19.67		21.38	5.29
-2155	5	12	934076.2057	32.503	8.439	0.58	17.55	18.67		19.94		21.22	6.54
-2153	9	15	934932.2559	154.521	175.650	1.20	17.60	19.52	20.64	21.16	21.69	22.81	6.29
-2149	1	8	936143.4475	271.877	357.398	1.48	19.11	23.90	0.89	1.62	2.35	3.33	4.86
-2149	7	4	936320.1967	82.655	177.159	1.33	17.00	18.01	19.19	19.90	20.61	21.79	7.05
-2148	6	22	936674.3578	72.009	185.344	0.95	17.05	22.01		23.66		1.32	7.04
-2146	5	3	937354.2209	23.780	173.251	0.84	17.70	19.00		20.47		21.94	6.46
-2145	10	16	937885.1536	185.857	3.463	1.28	18.15			18.70	19.32	20.45	5.71
-2144	4	11	938063.2987	3.399	190.684	0.03	18.00	21.55		21.91		22.27	6.14
-2142	8	15	938919.4236	124.110	356.342	1.24	17.09	23.42	0.58	1.18	1.77	2.93	6.78
-2141	2	8	939096.2158	302.562	184.641	1.11	18.93		19.36	19.78	20.20	21.44	5.17
-2141	8	5	939273.6632	113.282	4.414	1.06	17.00	5.06	6.49	6.82			6.91
-2139	6	13	939952.2637	63.134	350.133	0.22	17.07	20.80		21.68		22.56	6.97
-2139	12	8	940130.4411	240.832	177.522	1.41	18.96	23.85	0.94	1.69	2.43	3.52	5.00
-2138	11	28	940484.5356	229.463	184.905	0.95	18.78	2.14		3.86			5.17
-2137	5	24	940661.5198	42.910	7.568	0.72	17.45	2.15		3.54		4.92	6.64
-2135	4	2	941341.1596	354.493	355.321	1.03	18.13		18.54	18.77	19.00	20.50	5.95
-2135	9	26	941517.6208	165.597	175.508	1.18	17.72	4.32	5.46	5.96			6.18
-2134	3	22	941695.2239	343.760	3.296	1.25	18.35		19.45	20.09	20.72	21.95	5.73
-2134	9	15	941872.2903	154.933	183.473	1.34	17.58	20.19	21.23	21.88	22.53	23.57	6.32
-2132	1	30	942374.1551	293.414	348.989	0.11	18.98			(18.59)		19.21	5.05
-2131	7	14	942905.4817	93.198	176.433	1.20	17.00	0.86	2.12	2.70	3.28	4.54	7.03
-2130	1	8	943083.4655	272.273	5.245	1.04	19.15	0.33	1.67	1.93	2.19	3.53	4.83
-2130	7	4	943259.6550	82.509	184.583	1.08	17.02	5.05	6.40	6.77			7.05
-2128	5	14	943939.5291	34.196	172.337	0.70	17.63	2.57		3.94		5.31	6.53
-2128	11	6	944116.2721	208.308	355.788	1.09	18.48	19.96	21.33	21.73	22.12	23.49	5.41
-2127	5	3	944294.1788	24.131	181.118	1.70	17.65		18.51	19.35	20.18	21.17	6.49
-2127	10	27	944470.5112	197.065	3.429	1.29	18.24	1.56	2.68	3.31	3.95	5.07	5.62
-2126	4	23	944648.5788	13.818	189.789	0.18	17.90	3.90		4.72		5.54	6.24
-2124	3	1	945327.1386	323.924	175.755	1.12	18.66			(18.08)	(18.52)	19.83	5.46
-2123	2	19	945681.5427	313.340	184.137	1.20	18.88	1.93	3.08	3.62	4.16		5.23
-2122	12	30	946361.3981	262.970	169.500	0.18	19.19	23.84		0.62		1.40	4.83
-2121	6	25	946537.5586	73.609	349.308	0.09	16.99	4.16		4.74		5.31	7.03
-2120	6	13	946892.1151	63.383	358.007	1.57	17.09		17.19	17.98	18.76	19.74	6.94
-2117	4	13	947926.4415	4.930	354.494	0.88	18.00	23.98		1.63		3.28	6.09
-2116	4	2	948280.5003	354.235	2.499	1.39	18.21	0.90	2.05	2.81	3.56	4.72	5.87
-2116	9	26	948457.6539	166.008	183.333	1.35	17.69	4.94	5.98	(6.64)			6.21
-2115	3	22	948634.5795	343.511	10.506	0.03	18.43	4.13		4.50		4.86	5.64
-2114	2	9	948959.4961	304.254	348.595	0.06	18.90	2.29		2.74		3.20	5.14
-2113	1	30	949314.1604	293.794	356.843	1.39	19.02			(18.60)	19.29	20.30	5.02
-2110	11	18	950701.6208	219.516	355.790	1.09	18.57	4.34	(5.70)	(6.10)			5.32
-2109	5	14	950879.4796	34.525	180.242	1.84	17.57	0.81	1.78	2.64	3.49	4.47	6.57
-2108	10	26	951410.4112	197.342	11.340	0.11	18.30	0.22		0.81		1.39	5.56
-2106	3	12	951912.4410	334.528	175.106	1.01	18.57	23.70	1.25	1.39	1.54	3.08	5.55
-2106	9	6	952090.0856	145.899	355.636	1.12	17.47			(17.07)	17.50	18.78	6.39
-2105	8	26	952444.2772	134.880	3.479	1.22	17.29	19.69	20.93	21.52	22.12	23.36	6.59
-2104	2	20	952621.5184	313.690	192.020	0.03	18.84	2.65		2.94		3.22	5.27
-2103	12	30	953301.1319	263.078	177.324	1.38	19.14			(18.12)	(18.84)	19.96	4.87
-2102	6	24	953477.4313	73.864	357.219	1.45	17.01	23.82	0.82	1.55	2.28	3.29	7.00
-2102	12	19	953655.2069	251.776	184.752	0.98	19.05			19.86		21.60	4.94
-2101	6	14	953832.1464	63.791	5.849	0.98	17.12			18.61		20.16	6.91
-2099	10	17	954688.3591	187.922	175.369	1.16	18.15	22.14	23.29	23.76	0.23	1.39	5.75
-2097	9	27	955397.5479	166.291	191.201	0.01	17.69	3.79		3.97		4.14	6.71
-2095	2	10	955899.5034	304.652	356.411	1.33	18.93	1.12	2.16	2.80	3.45	4.48	5.11
-2095	8	5	956076.0669	114.502	175.178	0.98	17.10			(16.67)		18.40	6.86
-2094	1	30	956254.1641	294.192	4.670	1.13	19.05			(18.57)	(19.01)	20.22	4.99
-2094	7	25	956430.2637	103.704	183.239	1.31	16.98	19.50	20.63	21.30	21.96	23.09	7.01
-2092	6	4	957110.1506	55.035	170.564	0.41	17.24	17.83		18.94		20.05	6.89
-2091	11	17	957641.2371	219.520	3.447	1.29	18.69	19.01	20.13	20.76	21.39	22.50	5.20
-2090	5	14	957819.1345	34.586	187.968	0.47	17.45			18.22		19.51	6.68

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2088	9	16	958675.4267	156.894	355.416	1.07	17.55	23.59	0.94	1.29	1.63	2.98	6.30
-2087	3	12	958852.1910	334.657	182.954	1.40	18.47		18.55	19.26	19.97	21.01	5.66
-2087	9	6	959029.5955	145.785	3.149	1.27	17.38	3.32	4.52	5.18	5.83		6.50
-2084	1	10	959886.4709	274.109	177.143	1.35	19.17	0.34	1.48	2.18	2.88	4.01	4.86
-2084	12	30	960240.5382	262.855	184.613	1.00	19.12	1.99	3.66	3.74	3.81		4.89
-2083	6	24	960417.4656	74.274	5.059	1.10	17.05	0.65	1.87	2.26	2.65	3.87	6.97
-2080	4	23	961451.0373	15.070	0.738	1.70	17.78			(15.89)	(16.77)	17.86	6.30
-2080	10	17	961628.3880	188.328	183.194	1.37	18.13	22.63	23.67	0.34	1.02	2.05	5.78
-2079	4	12	961805.1494	4.455	8.891	0.32	18.00			18.36		19.44	6.08
-2077	8	16	962661.3728	125.260	174.690	0.90	17.19	22.32		23.99		1.67	6.76
-2076	2	11	962839.5058	305.032	4.276	1.19	18.96	1.06	2.22	2.74	3.27	4.42	5.08
-2076	8	5	963015.5811	114.401	182.696	1.41	17.04	3.06	4.15	4.88	5.61	6.69	6.93
-2075	7	25	963370.0941	103.915	191.135	0.13	16.95			17.11		17.76	7.03
-2074	6	15	963695.4656	65.483	169.735	0.28	17.20	1.57		2.50		3.43	6.91
-2074	12	9	963872.3119	241.900	355.722	1.09	18.94	20.86	22.23	22.61	23.00	0.37	4.98
-2073	6	5	964050.0740	55.337	178.476	1.62	17.19			(16.99)	17.81	18.81	6.93
-2073	11	29	964226.6029	230.734	3.465	1.29	18.76	3.77	4.88	(5.51)			5.13
-2072	5	24	964404.4121	44.958	187.063	0.62	17.36	23.49		0.94		2.38	6.76
-2072	11	17	964581.1595	219.817	11.352	0.11	18.74			18.79		19.38	5.13
-2069	3	24	965437.5042	345.231	182.222	1.52	18.40	1.08	2.08	2.85	3.62	4.62	5.74
-2068	3	12	965792.1811	335.038	190.794	0.22	18.44			18.92		19.74	5.70
-2067	1	31	966117.4432	295.908	168.740	0.05	19.11	1.10		1.51		1.92	4.97
-2066	7	16	966648.0727	94.990	355.776	1.22	16.95			(16.87)	17.42	18.53	6.98
-2063	5	15	967682.2573	36.097	351.765	0.40	17.44	20.25		21.47		22.68	6.63
-2063	11	8	967859.1084	210.381	175.374	1.16	18.58			(17.79)	(18.26)	19.42	5.34
-2062	5	4	968036.3004	25.453	359.799	1.79	17.65	20.33	21.40	22.29	23.19	0.26	6.43
-2061	4	23	968390.4291	14.878	8.009	0.48	17.87	23.88		1.17		2.45	6.21
-2061	10	18	968568.2564	188.586	191.061	0.02	18.13	20.80		21.05		21.31	5.78
-2059	3	3	969070.1814	326.119	355.369	1.17	18.60		18.62	19.11	19.59	20.73	5.48
-2059	8	27	969246.6863	136.095	174.288	0.83	17.29	5.89		(7.51)			6.65
-2057	8	5	969955.4278	114.628	190.600	0.21	17.01	0.26		1.09		1.91	6.95
-2055	6	15	970635.3742	65.768	177.646	1.48	17.14	22.39	23.43	0.20	0.97	2.01	6.96
-2054	6	5	970989.6898	55.342	186.175	0.77	17.28	6.06		(7.63)			6.83
-2054	11	29	971166.5360	231.041	11.365	0.11	18.80	3.21		3.80		4.40	5.08
-2052	4	13	971668.3224	6.014	172.766	0.64	18.02	21.38		22.80		0.22	6.12
-2052	10	8	971846.1173	179.083	355.143	1.02	18.02			(17.94)	18.12	19.63	5.85
-2051	9	27	972200.2442	167.816	2.678	1.35	17.82	18.93	20.09	20.81	21.53	22.70	6.06
-2050	3	24	972377.5076	345.609	190.092	0.33	18.37	1.83		2.83		3.82	5.78
-2050	9	16	972554.2198	156.451	9.928	0.08	17.66	19.47		20.06		20.61	6.22
-2048	2	1	973057.1230	295.966	176.506	1.23	19.02			(17.71)	(18.32)	19.52	5.06
-2048	7	26	973233.4038	105.642	355.168	1.13	16.94	23.15	0.34	0.77	1.21	2.40	6.97
-2047	1	20	973411.1782	284.838	184.090	1.10	19.08			(18.95)	19.37	20.75	4.98
-2047	7	16	973588.1101	95.404	3.608	1.33	16.98		17.01	17.65	18.30	19.34	6.95
-2045	5	27	974267.5290	46.466	350.860	0.24	17.32	3.08		4.04		5.00	6.75
-2045	11	19	974444.4866	221.615	175.406	1.16	18.69	1.24	2.39	2.87	3.34	4.49	5.24
-2044	5	15	974621.5677	35.814	358.881	1.63	17.51	2.83	3.91	4.78	5.65		6.56
-2044	11	8	974799.1315	210.778	183.205	1.36	18.55			(18.24)	18.91	19.95	5.37
-2043	10	29	975153.6166	199.782	191.070	0.01	18.26	5.55		(5.73)			5.66
-2041	3	15	975655.5101	336.751	354.723	1.07	18.49	1.46	2.73	3.05	3.37	4.64	5.60
-2040	3	3	976010.1670	326.489	3.236	1.35	18.62			18.64	19.32	20.39	5.46
-2040	8	26	976186.2364	136.031	181.857	1.55	17.31	18.75	19.78	20.58	21.38	22.41	6.61
-2038	7	7	976866.1018	86.509	168.204	0.03	17.02	17.39		17.72		18.04	7.02
-2037	6	27	977220.6745	76.244	176.847	1.34	17.11	5.61	6.70	(7.39)			6.98
-2037	12	20	977397.3274	253.086	3.399	1.31	19.07	21.05	22.14	22.79	23.43	0.52	4.86
-2034	4	25	978253.6119	16.431	171.901	0.50	17.93	4.56		5.84			6.21
-2034	10	19	978431.4681	190.249	355.090	1.00	18.11	0.73	2.31	2.40	2.50	4.08	5.76
-2033	4	14	978608.1287	6.208	180.646	1.78	17.94			18.02	18.86	19.81	6.21
-2033	10	9	978785.5764	178.920	2.544	1.37	17.92	2.94	4.09	4.83	5.56		5.95
-2032	9	27	979139.5476	167.495	9.730	0.12	17.76	3.27		3.96		4.66	6.11
-2030	2	11	979642.4381	306.780	176.065	1.16	18.96	23.47	0.74	1.25	1.76	3.04	5.13
-2029	1	31	979996.4888	295.720	183.713	1.16	19.05	0.52	1.82	2.36	2.89	4.19	5.02
-2029	7	27	980173.4395	106.063	2.990	1.42	16.97	23.80	0.81	1.51	2.22	3.23	6.93
-2026	11	20	981384.5043	222.017	183.231	1.36	18.67	1.46	2.51	3.18	3.85	4.89	5.26
-2023	9	17	982417.3291	158.010	173.693	0.73	17.66	21.44		22.99		0.53	6.26

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-2022	3	14	982595.4839	337.118	2.575	1.46	18.50	0.54	1.56	2.31	3.06	4.08	5.58
-2022	9	7	982771.5713	146.971	181.537	1.60	17.42	2.80	3.82	4.63	5.45	6.46	6.50
-2021	8	27	983126.1082	136.299	189.733	0.35	17.30			17.39		18.43	6.61
-2019	1	10	983628.3274	275.169	355.299	1.03	19.11	21.05	22.54	22.76	22.98	0.47	4.88
-2018	6	26	984160.2430	76.219	184.448	1.06	17.00	19.14	20.57	20.90	21.23	22.66	7.07
-2018	12	20	984337.2760	253.425	11.258	0.13	19.12	20.80		21.45		22.10	4.81
-2015	4	24	985193.4342	16.650	179.769	1.85	17.86	23.65	0.60	1.44	2.28	3.24	6.30
-2014	4	14	985548.1420	6.612	188.473	0.58	17.91			18.23		19.50	6.25
-2012	8	17	986404.0821	127.171	354.176	0.97	17.19			(17.00)		18.54	6.66
-2010	7	27	987113.3671	106.367	10.891	0.08	17.02	23.11		23.65		0.19	6.89
-2009	12	11	987615.2374	244.049	175.404	1.16	19.02	19.18	20.33	20.81	21.28	22.43	4.95
-2008	6	5	987792.1037	56.565	357.059	1.31	17.16			17.73	18.43	19.61	6.88
-2007	5	25	988146.2815	46.031	5.364	0.95	17.35	20.19		21.84		23.49	6.72
-2005	4	5	988826.1523	357.839	353.230	0.83	18.06			18.63		20.09	6.04
-2005	9	29	989002.6638	169.063	173.532	0.70	17.79	5.54		(7.06)			6.12
-2003	3	14	989535.1978	337.215	10.382	0.08	18.48	18.75		19.30		19.85	5.60
-2003	9	6	989711.4612	147.240	189.444	0.40	17.40	0.78		1.88		2.97	6.50
-2001	7	18	990391.2829	97.353	175.406	1.09	17.00	20.22	21.53	21.92	22.30	23.61	7.01
-2000	7	7	990745.5272	86.718	183.675	1.19	16.99	1.86	3.12	3.69	4.25	5.51	7.06
-1998	5	16	991424.1901	37.219	170.112	0.22	17.49	18.98		19.86		20.74	6.64
-1998	11	10	991602.1734	212.664	355.062	0.99	18.57			19.38		21.06	5.32
-1997	10	30	991956.2497	201.252	2.396	1.39	18.39	19.16	20.31	21.06	21.81	22.96	5.50
-1996	4	24	992133.4581	17.051	187.621	0.71	17.84	0.53		1.91		3.29	6.33
-1996	10	18	992310.2182	189.749	9.501	0.16	18.22	19.34		20.14		20.95	5.66
-1994	8	28	992989.4269	138.059	353.775	0.91	17.25	23.76		1.27		2.78	6.60
-1993	8	18	993344.1129	127.596	1.976	1.57	17.22			17.62	18.40	19.37	6.63
-1992	8	7	993698.6855	117.088	10.331	0.16	17.04	6.50		(7.26)			6.86
-1991	12	22	994200.6051	255.221	175.319	1.15	19.10	3.94	(5.10)	(5.56)			4.88
-1990	6	16	994377.3724	66.985	356.161	1.16	17.07	22.36	23.66	0.18	0.70	2.00	6.96
-1990	12	11	994555.2441	244.449	183.220	1.36	18.99	19.13	20.18	20.85	21.52	22.57	4.98
-1989	6	6	994731.5657	56.441	4.470	1.10	17.24	2.96	4.27	4.68	5.10	6.41	6.82
-1987	4	15	995411.4653	8.317	352.393	0.70	17.95	0.86		2.23		3.61	6.16
-1986	4	5	995766.1051	358.184	1.094	1.70	18.08			(17.38)	18.22	19.20	6.02
-1986	9	28	995942.2658	169.054	181.161	1.66	17.83	19.54	20.54	21.37	22.20	23.20	6.08
-1985	3	25	996120.4883	347.763	9.634	0.20	18.35	1.49		2.35		3.22	5.73
-1983	8	25	997003.5954	107.994	174.804	0.98	17.04	3.73		5.38			6.95
-1982	2	17	997180.3845	286.729	2.857	1.41	19.11	22.17	23.22	23.93	0.64	1.68	4.90
-1980	6	22	998036.4836	47.607	169.236	0.08	17.42	2.40		2.95		3.50	6.71
-1980	12	18	998214.5282	223.875	355.076	0.99	18.65	2.20		3.88			5.24
-1979	6	12	998391.0528	37.462	178.023	1.58	17.42			(16.44)	(17.22)	18.20	6.73
-1979	12	7	998568.5913	212.448	2.375	1.39	18.49	3.37	4.52	5.27			5.40
-1978	11	26	998922.5616	200.927	9.467	0.17	18.33	3.59		4.42		5.24	5.55
-1976	4	11	999425.3388	338.761	174.240	0.84	18.47	21.35		22.98		0.60	5.64
-1975	3	31	999779.3800	327.904	182.078	1.46	18.63	21.84	22.97	23.77	0.57	1.70	5.48
-1975	9	24	999956.4601	138.471	1.607	1.63	17.28	0.20	1.16	1.95	2.75	3.71	6.57
-1974	3	20	1000133.4509	317.006	189.917	0.13	18.78	0.59		1.31		2.03	5.32
-1972	7	24	1000989.6497	77.433	355.337	1.01	16.98	5.07	6.66	6.82	6.99		7.03
-1971	1	18	1001167.6114	255.605	183.174	1.36	19.07	3.87	4.91	(5.59)			4.91
-1969	11	16	1002200.3447	191.338	173.356	0.68	18.23	21.99		23.48		0.97	5.69
-1968	5	12	1002378.4105	8.640	0.293	1.83	17.95	22.97	23.95	0.80	1.66	2.64	6.14
-1968	11	5	1002554.6240	180.179	181.090	1.68	17.95	4.18	5.18	(6.01)			5.96
-1967	10	25	1002909.1801	169.346	189.067	0.46	17.82	18.04		19.20		20.36	6.08
-1965	3	11	1003411.3010	307.841	354.254	0.87	18.87	20.38		21.99		23.59	5.18
-1964	8	24	1003943.1041	107.905	182.299	1.43	17.02			17.45	18.23	19.36	6.96
-1963	2	17	1004120.3613	286.596	10.698	0.23	19.14	22.43		23.26		0.10	4.87
-1963	8	13	1004297.1189	96.988	190.037	0.07	16.93	17.19		17.72		18.24	7.08
-1961	6	23	1004976.3586	47.879	177.117	1.43	17.36	22.09	23.10	23.82	0.54	1.55	6.78
-1960	6	12	1005331.0812	37.882	185.836	0.99	17.40			(17.01)		18.56	6.76
-1958	4	23	1006010.6223	349.294	173.461	0.70	18.37	4.34		(5.86)			5.75
-1958	10	16	1006187.1389	160.043	353.243	0.83	17.68			18.41		19.87	6.16
-1957	4	12	1006364.6612	338.496	181.355	1.59	18.53	4.63	(5.73)	(6.58)			5.58
-1956	9	24	1006896.3423	138.743	9.482	0.29	17.35	22.01		23.00		23.99	6.52
-1954	1	12	1007371.3368	277.379	175.027	1.11	19.17	21.36	22.56	22.96	23.35	0.56	4.88
-1953	6	27	1007902.1555	77.333	2.849	1.38	17.01	17.01	18.10	18.83	19.55	20.64	6.99

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1952	6	16	1008256.6803	67.072	11.529	0.06	17.16	6.87		(7.33)			6.88
-1951	5	7	1008582.0927	29.166	350.693	0.43	17.52			(17.46)		18.59	6.57
-1949	10	10	1009467.5493	180.482	188.990	0.48	17.94	2.93		4.11		5.28	5.96
-1947	2	23	1009969.6162	318.578	353.756	0.79	18.76	4.02		(5.56)			5.30
-1947	8	19	1010147.2306	129.508	173.806	0.80	17.26	19.03		20.58		22.13	6.68
-1946	8	8	1010501.4028	118.599	181.738	1.52	17.09	22.67	23.78	0.60	1.42	2.52	6.87
-1945	7	28	1010855.4096	107.603	189.386	0.18	16.98	23.80		0.66		1.51	7.01
-1944	12	12	1011358.2266	246.257	355.009	0.97	19.00			20.56		22.24	4.93
-1943	6	7	1011534.6708	58.302	176.260	1.30	17.31	5.64	6.71	(7.33)			6.83
-1943	12	1	1011712.2688	234.844	2.297	1.41	18.90	19.59	20.73	21.50	22.26	23.41	5.02
-1942	5	27	1011889.3946	48.292	184.957	1.12	17.34	22.96	0.15	0.57	0.99	2.19	6.81
-1942	11	20	1012066.2497	223.342	9.419	0.19	18.77	20.09		20.94		21.80	5.13
-1940	9	30	1012745.5051	171.128	353.101	0.81	17.75	1.79		3.24		4.68	6.09
-1939	9	19	1013100.1660	160.448	1.079	1.71	17.70		18.13	18.95	19.76	20.72	6.14
-1938	9	9	1013454.6808	149.677	9.194	0.33	17.42	6.09		(7.14)			6.44
-1936	7	18	1014133.2165	98.502	353.830	0.75	16.94	18.78		20.35		21.93	7.00
-1935	1	12	1014311.3267	277.764	182.864	1.41	19.13	20.85	21.89	22.60	23.31	0.35	4.92
-1935	7	7	1014487.4536	87.862	2.082	1.51	16.96	0.11	1.16	1.95	2.74	3.78	7.01
-1933	5	18	1015167.3997	39.582	349.791	0.29	17.41	23.94		0.89		1.83	6.68
-1932	10	30	1015698.3479	202.568	181.051	1.69	18.39	21.64	22.63	23.45	0.28	1.27	5.53
-1931	4	26	1015876.3367	19.093	7.134	0.61	17.78	21.55		22.98		0.42	6.30
-1929	8	31	1016732.5538	140.383	173.415	0.73	17.36	2.84		4.34		5.84	6.56
-1928	2	23	1016909.3916	318.745	1.587	1.62	18.76	22.26	23.24	0.04	0.85	1.82	5.30
-1928	8	19	1017086.7031	129.377	181.227	1.61	17.18	5.85	(6.94)	(7.79)			6.77
-1927	8	8	1017440.7027	118.303	188.785	0.29	17.04	6.61		(7.66)			6.92
-1926	12	24	1017943.5721	257.387	354.931	0.96	19.03	3.10		4.78			4.91
-1925	12	13	1018297.6066	246.005	2.238	1.42	18.96	3.64	4.78	(5.55)			4.97
-1924	6	7	1018474.7088	58.717	184.099	1.25	17.28	6.47	(7.55)	(8.13)			6.86
-1924	12	1	1018651.5961	234.535	9.405	0.19	18.85	4.36		(5.22)			5.06
-1922	4	17	1019154.1818	10.187	171.803	0.41	17.91	18.26		19.48		20.70	6.21
-1921	4	6	1019508.2177	359.479	179.780	1.79	18.08	18.15	19.22	20.11	21.00	22.08	6.05
-1921	10	1	1019685.5285	171.531	0.940	1.73	17.78	1.91	2.87	3.69	4.51	5.46	6.07
-1920	3	25	1019862.3453	348.815	187.917	0.50	18.26	21.65		22.95		0.25	5.86
-1918	7	30	1020718.5120	109.130	353.198	0.65	16.95	1.93		3.41		4.89	6.97
-1916	7	7	1021427.3104	88.100	9.988	0.31	17.00	21.41		22.40		23.38	6.97
-1915	11	21	1021929.3917	224.955	173.343	0.69	18.77	23.15		0.64		2.13	5.17
-1914	5	18	1022107.3025	39.865	357.698	1.49	17.42	20.63	21.67	22.44	23.22	0.26	6.66
-1913	5	8	1022461.6134	29.473	6.246	0.76	17.65	4.14		5.71			6.43
-1913	10	31	1022638.2932	202.891	188.943	0.49	18.37	20.85		22.03		23.21	5.54
-1911	3	16	1023140.2276	339.853	352.503	0.59	18.38	18.96		20.33		21.71	5.71
-1909	2	23	1023849.3974	319.126	9.443	0.42	18.79	22.96		0.07		1.18	5.28
-1907	6	28	1024705.2998	79.256	174.618	1.05	17.04	20.82	22.14	22.40	22.67	23.99	7.03
-1906	6	18	1025060.0202	69.180	183.239	1.38	17.02			(15.60)	(16.29)	17.31	7.07
-1904	4	27	1025739.4509	20.589	170.882	0.24	17.81	1.06		2.03		3.00	6.32
-1904	10	21	1025916.2452	193.467	352.954	0.79	18.22	19.66		21.08		22.51	5.63
-1903	4	16	1026093.4860	9.913	178.886	1.63	17.97	0.70	1.78	2.65	3.52	4.60	6.16
-1902	4	6	1026447.6328	359.308	187.105	0.64	18.17	4.51		5.95			5.96
-1902	9	30	1026625.3679	171.761	8.808	0.38	17.87	22.58		23.71		0.83	6.00
-1900	2	14	1027127.3838	310.115	173.947	0.94	18.93	22.43		23.96		1.49	5.19
-1899	7	29	1027658.0733	109.093	0.778	1.73	17.04			(16.74)	17.59	18.59	6.86
-1898	1	23	1027836.4113	288.863	190.417	0.07	19.06	23.89		0.42		0.96	5.00
-1898	7	19	1028012.6306	98.705	9.288	0.43	16.97	4.91		6.04			6.98
-1896	5	29	1028692.5979	50.259	356.832	1.34	17.30	3.79	4.89	5.58	6.26		6.77
-1896	11	21	1028869.0843	225.020	181.119	1.68	18.78			(17.13)	(17.95)	18.93	5.16
-1893	3	28	1029725.5294	350.390	351.792	0.48	18.25	2.40		3.66		4.91	5.83
-1893	9	21	1029903.2250	162.329	172.933	0.64	17.75	19.08		20.51		21.94	6.16
-1892	9	9	1030257.3314	151.142	180.516	1.73	17.53	20.94	22.02	22.90	23.77	0.85	6.39
-1891	8	29	1030611.3198	139.908	187.901	0.44	17.33	21.19		22.47		23.74	6.60
-1889	1	14	1031114.2413	279.488	354.555	0.89	19.10			20.68		22.33	4.90
-1889	7	10	1031290.6227	89.800	173.887	0.93	17.04	4.59		6.12			7.01
-1888	1	3	1031468.2654	268.204	1.945	1.47	19.14	19.28	20.41	21.21	22.01	23.13	4.83
-1888	6	28	1031645.3387	79.673	182.451	1.51	17.01	21.48	22.47	23.22	23.98	0.96	7.07
-1888	12	22	1031822.2784	256.847	9.252	0.23	19.14	20.54		21.47		22.41	4.82
-1886	11	2	1032501.6218	204.684	352.952	0.78	18.29	4.72		(6.15)			5.57

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1885	10	22	1032856.2598	193.860	0.798	1.74	18.25	19.54	20.50	21.32	22.15	23.11	5.61
-1882	8	20	1033889.1206	130.615	352.142	0.47	17.22			17.97		19.27	6.65
-1881	2	14	1034067.3548	310.467	181.839	1.57	18.88	21.35	22.35	23.15	23.94	0.94	5.23
-1881	8	9	1034243.3959	119.810	0.252	1.82	17.07	22.61	23.60	0.45	1.31	2.30	6.81
-1878	12	2	1035454.4480	236.247	181.110	1.68	18.89	0.02	1.00	1.82	2.64	3.62	5.07
-1877	5	29	1035632.1575	50.228	4.414	1.07	17.27		18.52	18.87	19.22	20.64	6.78
-1875	10	2	1036488.5632	173.410	172.768	0.60	17.88	3.27		4.67			6.03
-1874	3	27	1036665.3589	350.613	359.652	1.83	18.25	21.65	22.60	23.44	0.28	1.23	5.85
-1874	9	21	1036842.6502	162.143	180.247	1.77	17.66	4.63	5.71	(6.59)			6.26
-1873	9	10	1037196.6351	150.838	187.555	0.51	17.45	4.71		6.06			6.47
-1871	1	25	1037699.5638	290.442	354.241	0.83	19.04	2.74		4.36			4.97
-1870	1	14	1038053.5846	279.221	1.688	1.52	19.12	2.85	3.97	4.79			4.87
-1870	7	10	1038230.6560	90.226	181.690	1.62	17.01	5.04	6.00	6.80			7.05
-1869	1	3	1038407.6122	267.937	9.085	0.26	19.15	4.41		(5.40)			4.82
-1869	6	29	1038585.2554	79.983	190.326	0.17	16.96	20.32		21.10		21.87	7.11
-1867	5	8	1039264.0253	30.674	177.072	1.32	17.53			(15.76)	(16.46)	17.64	6.60
-1867	11	2	1039441.6313	205.072	0.802	1.74	18.33	4.48	5.44	(6.26)			5.54
-1866	4	27	1039618.2110	20.157	185.418	0.94	17.71	18.36		20.01		21.65	6.43
-1864	8	30	1040474.4386	141.469	351.756	0.41	17.30	0.40		1.61		2.83	6.57
-1863	2	25	1040652.6849	321.211	181.340	1.65	18.82	5.27	(6.27)	(7.09)			5.30
-1863	8	20	1040828.7257	130.604	359.811	1.83	17.11	6.52	(7.51)	(8.36)			6.76
-1862	8	9	1041183.2976	120.092	8.166	0.61	17.12	20.68		21.98		23.28	6.75
-1861	12	24	1041685.4355	258.469	173.216	0.68	19.14	0.05		1.52		2.99	4.85
-1860	6	19	1041863.1851	71.119	355.131	1.04	17.02	18.00	19.41	19.68	19.96	21.36	7.00
-1859	6	8	1042217.4315	60.617	3.531	1.22	17.17	23.63	0.87	1.47	2.07	3.30	6.87
-1859	12	2	1042394.4200	236.594	188.987	0.48	18.86	23.86		1.04		2.21	5.09
-1857	4	18	1042896.1205	11.333	350.184	0.23	17.82			18.02		18.92	6.27
-1856	4	7	1043250.6752	1.118	358.891	1.71	18.13	5.34	(6.29)	(7.12)			5.97
-1855	3	27	1043605.3838	351.014	7.492	0.73	18.27	22.53		23.92		1.31	5.82
-1853	7	31	1044461.2790	111.083	172.601	0.73	17.07	20.39		21.79		23.18	6.89
-1851	7	10	1045170.5627	90.510	189.598	0.28	16.96	3.45		4.43		5.41	7.09
-1850	11	23	1045672.3756	227.156	352.976	0.79	18.72	22.80		0.23		1.66	5.16
-1849	5	19	1045849.2929	41.044	176.139	1.16	17.43	20.43	21.73	22.25	22.77	0.07	6.69
-1848	5	7	1046203.4975	30.553	184.527	1.10	17.62	1.24	2.56	2.96	3.36	4.68	6.52
-1848	11	1	1046381.4294	205.251	8.669	0.38	18.43	0.14		1.29		2.43	5.45
-1846	3	18	1046883.3847	342.169	172.189	0.67	18.45	22.75		0.10		1.46	5.70
-1845	8	31	1047414.0611	141.479	359.440	1.77	17.42			(16.41)	(17.26)	18.25	6.43
-1844	2	25	1047592.3649	321.281	189.104	0.28	18.70	22.25		23.27		0.29	5.41
-1844	8	20	1047768.6386	130.904	7.710	0.68	17.16	4.79		6.15			6.70
-1842	6	30	1048448.4816	81.602	354.341	0.91	16.95	1.16		2.77		4.38	7.04
-1842	12	24	1048625.1764	258.589	181.035	1.70	19.11			19.17	19.99	20.96	4.90
-1841	6	20	1048802.7055	71.041	2.665	1.37	17.07	6.15	(7.30)	(8.04)			6.95
-1839	4	28	1049481.4143	21.754	349.329	0.10	17.69	0.56		1.16		1.76	6.40
-1839	10	23	1049659.2572	195.706	172.648	0.57	18.32	20.03		21.41		22.79	5.60
-1838	10	12	1050013.3101	184.311	179.959	1.81	18.09	20.55	21.63	22.51	23.39	0.47	5.83
-1837	10	1	1050367.2933	172.887	187.148	0.58	17.87	20.52		21.93		23.35	6.05
-1835	2	15	1050870.1929	312.107	353.414	0.69	18.79			19.41		20.92	5.26
-1835	8	11	1051046.6162	121.831	172.076	0.65	17.14	4.52		5.85			6.81
-1834	2	4	1051224.2113	301.028	0.993	1.65	18.96			19.73	20.59	21.68	5.07
-1834	7	31	1051401.3105	111.500	180.423	1.82	17.04	20.65	21.60	22.43	23.26	0.21	6.93
-1833	1	24	1051578.2726	289.915	8.601	0.36	19.10	19.98		21.11		22.25	4.91
-1831	5	30	1052434.5590	51.424	175.193	0.99	17.35	2.94		4.68		6.41	6.77
-1831	11	23	1052612.3695	227.544	0.806	1.74	18.76	22.18	23.15	23.97	0.80	1.77	5.13
-1828	9	21	1053645.0905	163.415	351.185	0.32	17.74			(17.32)		18.40	6.13
-1827	3	18	1053823.3190	342.498	180.065	1.86	18.39	20.58	21.56	22.41	23.27	0.25	5.74
-1827	9	10	1053999.4008	152.436	359.131	1.72	17.50	22.77	23.76	0.59	1.43	2.42	6.35
-1826	3	8	1054177.6638	331.944	188.471	0.39	18.61	5.31		(6.48)			5.50
-1823	1	4	1055210.5320	269.697	180.891	1.73	19.16	1.82	2.79	3.62	4.45		4.87
-1823	12	24	1055565.1599	258.963	188.870	0.50	19.08			(18.66)		19.86	4.93
-1821	11	4	1056244.6083	206.901	172.647	0.57	18.45	4.48		(5.86)			5.47
-1820	4	28	1056421.2993	22.018	357.233	1.45	17.70	20.54	21.54	22.27	23.00	0.01	6.40
-1820	10	23	1056598.6469	195.462	179.896	1.79	18.23	4.68	(5.76)	(6.64)			5.70
-1819	10	12	1056952.6320	183.999	187.047	0.60	18.01	4.67		(6.11)			5.91
-1817	2	26	1057455.4969	322.821	352.881	0.59	18.68	1.30		2.73		4.16	5.38

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTF	TPE	TS
-1816	2	16	1057809.5152	311.815	0.530	1.73	18.86	1.05	2.14	3.02	3.90	4.98	5.19
-1816	8	11	1057986.6460	122.239	179.910	1.87	17.11	4.67	5.62	6.46			6.84
-1815	2	4	1058163.5957	300.793	8.250	0.42	19.03	3.61		4.83			5.01
-1815	7	31	1058341.1872	111.752	188.326	0.48	17.01	18.10		19.34		20.58	6.95
-1814	12	15	1058843.1222	249.580	352.923	0.78	19.04			(18.05)		19.47	4.89
-1812	5	29	1059374.0729	51.337	182.729	1.41	17.22			(16.87)	17.61	18.69	6.90
-1812	11	23	1059552.1389	227.688	8.664	0.37	18.85			(18.30)		19.44	5.05
-1811	5	19	1059728.6110	41.159	191.506	0.07	17.47	5.16		5.64		6.12	6.68
-1810	10	2	1060230.4294	174.480	351.030	0.29	17.84	0.46		1.50		2.54	6.03
-1809	3	30	1060408.6295	353.037	179.345	1.76	18.31	4.11	5.10	(5.95)			5.83
-1808	9	10	1060939.3384	152.755	7.036	0.79	17.54	21.55		22.98		0.41	6.30
-1806	1	25	1061441.4456	291.532	172.577	0.59	19.13	0.16		1.54		2.92	4.94
-1806	7	22	1061619.0830	102.726	352.919	0.65	16.96			17.13		18.57	6.95
-1805	7	11	1061973.2613	92.016	1.056	1.65	16.96	19.38	20.46	21.32	22.19	23.27	7.00
-1804	1	5	1062150.5273	270.068	188.749	0.53	19.12	2.17		3.39		4.61	4.90
-1804	6	29	1062327.2835	81.215	8.913	0.27	17.02	20.74		21.76		22.78	6.97
-1802	5	10	1063006.6062	32.441	356.341	1.31	17.58	4.02	5.07	5.71	6.35		6.51
-1801	4	29	1063361.3316	22.440	5.034	1.11	17.73	21.32	22.54	22.93	23.33	0.55	6.37
-1799	9	1	1064217.3078	143.553	171.267	0.53	17.44	21.23		22.45		23.67	6.46
-1797	8	12	1064926.5028	122.487	187.779	0.56	17.09	1.56		2.89		4.22	6.86
-1796	12	25	1065428.4890	260.740	352.821	0.76	19.05	1.36		2.77		4.19	4.90
-1795	6	20	1065605.1043	72.243	173.411	0.69	17.06			17.78		19.29	7.01
-1795	12	15	1065783.1033	249.955	0.766	1.74	19.08			(17.48)	(18.31)	19.28	4.86
-1794	6	9	1065959.3623	61.755	181.839	1.56	17.16	21.99	23.03	23.84	0.64	1.68	6.95
-1794	12	4	1066137.4892	238.898	8.630	0.37	18.92	1.52		2.67		3.81	4.99
-1792	4	19	1066639.3383	13.690	169.833	0.30	17.91	22.30		23.25		0.21	6.24
-1791	10	2	1067170.1081	174.535	358.796	1.66	17.95			(17.65)	18.47	19.46	5.90
-1790	3	29	1067348.2496	353.048	187.045	0.62	18.17	19.25		20.69		22.14	5.95
-1790	9	22	1067524.6993	163.782	6.830	0.82	17.61	6.23		(7.68)			6.23
-1788	8	1	1068204.3922	113.380	352.324	0.55	16.98	23.18		0.52		1.86	6.92
-1787	1	25	1068381.2382	291.700	180.448	1.80	19.06		19.59	20.43	21.26	22.22	5.03
-1787	7	22	1068558.5479	102.584	0.355	1.77	16.95	2.20	3.28	4.16	5.05	6.12	6.99
-1786	7	11	1068912.5650	91.719	8.146	0.40	16.98	3.25		4.48		5.71	6.99
-1785	11	25	1069415.3063	229.330	172.639	0.56	18.85	21.22		22.60		23.98	5.10
-1784	11	13	1069769.3228	217.854	179.823	1.78	18.65	20.93	22.01	22.89	23.76	0.85	5.29
-1783	5	10	1069946.6447	32.856	4.170	1.24	17.61	4.86	5.95	(6.52)			6.48
-1783	11	2	1070123.3176	206.354	186.956	0.62	18.44	21.18		22.63		0.07	5.49
-1781	9	13	1070802.6645	154.521	171.000	0.49	17.55	5.86		(7.04)			6.36
-1780	3	8	1070980.1000	333.178	359.333	1.71	18.49			(17.12)	(18.00)	19.08	5.58
-1780	9	1	1071157.3286	143.952	179.105	1.73	17.42	21.06	22.02	22.84	23.66	0.62	6.49
-1779	2	25	1071334.2210	327.338	7.277	0.60	18.71			19.85		21.25	5.36
-1777	7	1	1072190.3856	82.706	172.600	0.55	17.04	23.12		0.50		1.89	7.02
-1777	12	26	1072368.4671	261.098	0.700	1.75	19.09	0.32	1.30	2.13	2.96	3.94	4.86
-1776	6	20	1072544.6599	72.194	181.014	1.70	17.12	5.12	6.13	6.97			6.98
-1775	6	9	1072899.2266	62.002	189.749	0.35	17.10	19.43		20.47		21.51	7.02
-1774	5	1	1073224.6464	24.129	168.948	0.15	17.84	6.03		(6.73)			6.32
-1774	10	24	1073401.1185	196.775	350.861	0.27	18.30			(18.12)		19.11	5.57
-1773	4	20	1073579.2309	13.979	177.715	1.49	17.85	18.75	19.79	20.57	21.34	22.38	6.30
-1773	10	13	1073755.4654	185.683	358.693	1.65	18.04	0.46	1.45	2.27	3.08	4.07	5.82
-1772	4	9	1073933.5292	3.526	186.209	0.76	18.07	1.93		3.50		5.07	6.06
-1770	8	13	1074789.7018	124.115	351.775	0.45	17.02	6.70		(7.93)			6.86
-1769	2	6	1074966.5792	302.603	180.075	1.87	19.03	2.78	3.74	4.57			5.07
-1768	1	26	1075321.2428	297.095	188.270	0.60	19.02	19.14		20.42		21.71	5.07
-1766	5	31	1076177.2255	53.273	354.574	1.04	17.21	19.08	20.41	20.66	20.91	22.25	6.86
-1766	11	25	1076354.6591	229.062	179.779	1.77	18.78	4.98	(6.06)	(6.94)			5.17
-1763	3	30	1077211.3623	354.556	350.792	0.22	18.14	22.78		23.71		0.64	5.93
-1762	3	19	1077565.3858	343.750	358.640	1.59	18.36	22.11	23.20	0.05	0.90	2.00	5.72
-1762	9	13	1077742.6801	154.915	178.840	1.69	17.53	5.53	(6.49)	(7.31)			6.38
-1761	3	9	1077919.5281	332.995	6.691	0.71	18.58	1.77		3.27		4.76	5.49
-1761	9	2	1078097.1584	144.157	186.991	0.68	17.42			18.63		20.07	6.50
-1759	1	16	1078599.2175	282.873	352.497	0.71	19.07			20.10		21.48	4.93
-1759	7	12	1078775.6725	93.221	171.847	0.42	17.04	6.12		(7.35)			7.00
-1758	12	26	1079308.1876	261.195	8.511	0.39	19.16			19.28		20.45	4.80
-1757	6	21	1079484.5406	72.457	188.924	0.49	17.07	2.80		3.99		5.19	7.04

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTF	TPF	TS
-1756	11	3	1079986.4706	207.970	350.850	0.27	18.40	1.59		2.59		3.59	5.48
-1755	5	1	1080164.5275	24.392	176.858	1.34	17.76	1.98	3.08	3.77	4.46	5.56	6.38
-1754	10	13	1080695.4313	186.028	6.583	0.86	18.07	23.86		1.34		2.81	5.77
-1752	2	27	1081197.4110	323.946	171.241	0.39	18.74	23.54		0.68		1.83	5.37
-1751	8	12	1081729.1330	123.931	359.139	1.67	17.17		17.28	18.16	19.03	20.11	6.72
-1750	2	6	1081906.5943	302.996	187.921	0.66	19.00	3.49		4.82			5.10
-1750	8	1	1082083.1422	112.927	6.783	0.65	17.09			18.26		19.75	6.82
-1748	6	11	1082762.5396	63.705	353.728	0.91	17.11	2.69		4.21		5.72	6.94
-1747	5	31	1083117.2648	53.688	2.403	1.52	17.24	19.75	20.73	21.49	22.25	23.23	6.83
-1745	4	11	1083796.6361	5.026	349.950	0.07	18.01	5.83		(6.37)			6.07
-1745	10	4	1083973.3895	176.670	170.658	0.43	17.97	23.41		0.52		1.64	5.93
-1744	3	30	1084150.6624	354.272	357.852	1.45	18.22	4.86	(5.99)	(6.78)			5.86
-1743	9	12	1084682.4898	155.114	186.690	0.72	17.54	1.12		2.61		4.09	6.37
-1741	1	28	1085184.5693	293.848	352.196	0.67	19.01	3.14		4.48			5.01
-1740	1	17	1085539.1746	283.224	0.357	1.81	19.11			(18.95)	19.79	20.77	4.90
-1740	7	11	1085715.2657	93.219	179.480	1.78	16.98	19.60	20.59	21.45	22.30	23.29	7.04
-1739	1	6	1085893.5248	272.277	8.339	0.41	19.16	2.09		3.29		4.50	4.82
-1737	11	4	1086926.1955	208.084	358.642	1.64	18.50		19.04	19.85	20.66	21.64	5.37
-1736	4	30	1087104.0790	24.354	184.435	1.07	17.61			(16.87)	(17.22)	18.64	6.52
-1734	9	3	1087960.3458	145.786	350.977	0.30	17.39	22.37		23.40		0.44	6.48
-1733	2	27	1088137.2535	324.164	179.138	1.74	18.67	18.99	19.95	20.77	21.60	22.45	5.46
-1733	8	23	1088314.4371	134.713	358.666	1.58	17.24	23.51	0.61	1.45	2.30	3.40	6.64
-1732	8	11	1088668.4435	123.631	6.234	0.74	17.13	23.91		1.48		3.04	6.76
-1731	12	27	1089171.3370	262.807	172.460	0.52	19.17	21.80		23.15		0.49	4.84
-1730	12	16	1089525.3350	251.397	179.685	1.76	19.07	21.09	22.17	23.05	23.93	1.01	4.92
-1729	6	12	1089702.5778	64.119	1.559	1.65	17.14	3.25	4.20	5.01	5.82	6.77	6.91
-1729	12	5	1089879.3605	239.973	186.935	0.63	18.92	22.15		23.60		1.05	5.05
-1728	5	31	1090057.1805	53.982	10.308	0.18	17.25	18.56		19.34		20.12	6.80
-1726	10	4	1090913.3933	177.052	178.508	1.63	17.95	22.73	23.71	0.51	1.31	2.29	5.95
-1725	3	30	1091090.1250	354.129	5.283	0.96	18.16			(17.75)		19.40	5.92
-1723	8	2	1091946.2617	114.453	170.524	0.20	17.11	20.54		21.42		22.30	6.85
-1722	1	28	1092124.5211	294.180	0.091	1.85	19.04	1.38	2.36	3.21	4.05		4.98
-1722	7	23	1092300.5795	103.813	178.824	1.67	17.01	3.11	4.11	4.94	5.77	6.77	6.99
-1721	7	12	1092655.1763	93.510	187.392	0.73	16.94	17.78		19.18		20.59	7.08
-1720	11	25	1093157.1756	230.401	350.838	0.28	18.81			19.48		20.49	5.10
-1719	5	22	1093335.1085	45.182	175.071	1.04	17.34		17.59	17.84	18.09	19.52	6.79
-1719	11	15	1093511.5659	219.311	358.665	1.65	18.57	2.95	3.93	4.74			5.30
-1718	5	11	1093689.3515	34.727	183.526	1.22	17.52	21.65	22.88	23.49	0.09	1.32	6.61
-1718	11	4	1093866.1769	208.446	6.519	0.87	18.54			19.29		20.77	5.32
-1716	9	14	1094545.6716	156.744	350.666	0.24	17.48	6.32		(7.26)			6.39
-1715	3	10	1094722.5787	334.846	178.519	1.65	18.60	2.86	3.82	4.63	5.44		5.53
-1714	2	27	1095077.2750	324.577	186.951	0.81	18.64	19.73		21.18		22.62	5.49
-1712	7	2	1095933.1723	84.682	352.111	0.66	16.93	18.01		19.35		20.69	7.04
-1710	6	11	1096642.4742	64.409	9.434	0.31	17.16	1.37		2.40		3.42	6.88
-1709	10	26	1097144.1307	199.028	170.546	0.41	18.40			(18.39)		19.49	5.50
-1708	4	20	1097321.2094	15.164	356.157	1.16	17.79	18.27	19.57	20.09	20.61	21.91	6.29
-1707	4	9	1097675.4165	4.620	4.479	1.10	18.03	23.12	0.42	0.84	1.25	2.55	6.06
-1707	10	4	1097853.1712	177.219	186.340	0.77	17.97			19.05		20.58	5.94
-1705	2	18	1098355.2631	315.555	351.414	0.54	18.75	19.86		21.10		22.34	5.32
-1705	8	14	1098531.5694	125.173	169.999	0.12	17.19	4.11		4.79		5.46	6.76
-1703	1	27	1099064.1881	294.226	7.840	0.49	19.06			19.08		20.38	4.97
-1703	7	23	1099240.5036	104.119	186.730	0.84	16.98	1.53		3.00		4.47	7.02
-1702	12	7	1099742.5299	241.597	350.833	0.29	18.87	2.93		3.94		4.95	5.04
-1701	6	2	1099920.3994	55.577	174.196	0.88	17.27	23.25		0.85		2.45	6.84
-1700	5	22	1100274.6224	45.096	182.606	1.38	17.43	4.15	5.30	6.04			6.70
-1700	11	15	1100451.5542	219.678	6.534	0.87	18.60	2.87		4.34			5.26
-1698	3	31	1100953.3336	355.730	169.220	0.08	18.21	22.48		23.03		23.57	5.93
-1697	9	14	1101485.0603	156.512	357.931	1.45	17.65			(16.46)	(17.25)	18.38	6.22
-1696	3	10	1101662.6087	335.254	186.358	0.90	18.58	3.73		5.24			5.56
-1696	9	2	1101839.0646	145.282	5.353	0.90	17.50			(16.40)		18.06	6.37
-1694	7	13	1102518.4968	95.239	351.393	0.55	16.89	1.85		3.10		4.34	7.05
-1693	7	3	1102873.2052	85.093	359.946	1.88	16.96	18.24	19.19	20.03	20.87	21.81	7.00
-1691	11	6	1103729.5070	210.250	170.559	0.41	18.52	2.34		3.44		4.54	5.40
-1690	5	1	1103906.4816	25.555	355.273	1.01	17.66	0.97	2.61	2.71	2.81	4.45	6.42

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1690	10	26	1104084.1212	199.396	178.406	1.61	18.38			(18.05)	18.85	19.84	5.53
-1689	10	16	1104438.5198	188.350	186.267	0.77	18.10	1.92		3.45		4.99	5.82
-1687	3	1	1104940.5966	326.304	350.871	0.46	18.65	3.97		5.13			5.43
-1686	2	18	1105295.1888	315.875	359.285	1.74	18.77			19.20	20.05	21.04	5.30
-1686	8	13	1105471.2232	125.225	177.709	1.49	17.19	18.54	19.57	20.34	21.10	22.13	6.75
-1685	2	8	1105649.5045	305.099	7.439	0.55	18.97	1.27		2.64		4.02	5.07
-1683	6	13	1106505.6861	65.998	173.310	0.73	17.22	6.25		(7.74)			6.89
-1683	12	6	1106682.3023	241.759	358.662	1.65	18.95	20.56	21.53	22.34	23.15	0.12	4.96
-1680	10	5	1107716.3421	178.847	350.286	0.16	17.94	22.65		23.44		0.22	5.93
-1679	3	31	1107893.2202	356.009	177.098	1.43	18.15	18.45	19.46	20.18	20.89	21.90	6.00
-1679	9	24	1108070.3791	167.522	357.662	1.40	17.76	22.24	23.39	0.15	0.91	2.06	6.11
-1678	9	13	1108424.3842	156.228	5.021	0.96	17.60	22.40		0.10		1.80	6.28
-1676	1	29	1108927.3185	295.800	171.730	0.39	19.07	21.30		22.50		23.69	5.00
-1675	1	17	1109281.3146	284.569	179.134	1.66	19.12	20.37	21.46	22.33	23.19	0.28	4.93
-1675	7	14	1109458.5259	95.647	359.232	1.76	16.93	1.90	2.85	3.68	4.51	5.46	7.02
-1674	1	6	1109635.3883	273.345	186.649	0.70	19.12	22.55		0.04		1.53	4.91
-1674	7	3	1109813.0742	85.341	7.850	0.55	17.00			(16.75)		18.08	6.96
-1672	11	5	1110669.4904	210.611	178.424	1.61	18.50	1.15	2.13	2.93	3.73	4.72	5.42
-1670	4	21	1111200.5454	15.277	11.554	0.06	17.91	3.47		3.92		4.36	6.19
-1668	3	1	1111880.5142	326.603	358.775	1.66	18.65	1.21	2.21	3.04	3.87	4.88	5.42
-1668	8	24	1112056.5578	136.041	177.290	1.42	17.29	2.59	3.64	4.37	5.09	6.14	6.64
-1667	8	13	1112411.1710	125.554	185.610	1.01	17.17	17.40	18.83	18.97	19.10	20.53	6.76
-1666	12	28	1112913.2280	263.899	350.685	0.27	19.09	19.55		20.54		21.53	4.88
-1664	6	12	1113445.1602	65.871	180.772	1.70	17.09		18.11	18.99	19.87	20.94	7.00
-1664	12	6	1113622.3036	242.139	6.518	0.87	18.99	20.78		22.26		23.74	4.92
-1663	6	1	1113799.1923	55.191	188.768	0.30	17.17	18.55		19.62		20.69	6.94
-1661	4	12	1114478.5378	6.506	176.316	1.31	18.07	2.20	3.25	3.89	4.52	5.58	6.08
-1660	3	31	1114833.2566	356.423	184.936	1.12	18.13	19.32	20.52	20.94	21.36	22.56	6.03
-1658	2	9	1115512.6312	306.654	171.323	0.31	19.02	4.89		(5.98)			5.07
-1658	8	4	1115689.1590	116.547	350.148	0.36	17.04	17.88		18.92		19.95	6.83
-1657	1	29	1115866.6295	295.497	178.804	1.61	19.09	3.88	(4.98)	(5.83)			4.98
-1656	7	13	1116398.3764	95.883	7.121	0.67	16.98	22.53		23.96		1.40	6.97
-1655	11	27	1116900.2598	232.721	170.595	0.42	18.91	20.37		21.48		22.58	5.04
-1654	5	23	1117077.0242	46.308	353.456	0.70	17.27			(15.86)		17.38	6.79
-1653	5	12	1117431.2940	35.876	1.938	1.54	17.49	20.31	21.34	22.14	22.94	23.98	6.59
-1653	11	6	1117609.2226	210.724	186.233	0.77	18.53	18.83		20.37		21.92	5.41
-1651	3	22	1118111.2528	347.580	349.610	0.26	18.24	20.11		21.01		21.90	5.85
-1649	3	1	1118820.1211	326.602	6.434	0.72	18.62			(17.47)		19.01	5.45
-1649	8	25	1118996.5142	136.383	185.174	1.08	17.26	1.61	2.86	3.20	3.54	4.80	6.66
-1647	1	8	1119498.5721	274.975	350.534	0.26	19.07	3.76		4.72			4.91
-1647	7	4	1119676.2710	86.930	171.699	0.44	17.02	20.51		21.74		22.96	7.02
-1646	6	23	1120030.4320	76.300	179.901	1.81	17.05	23.54	0.61	1.50	2.39	3.46	7.02
-1645	6	12	1120384.4621	65.587	187.863	0.46	17.11	0.81		2.11		3.40	6.99
-1642	4	12	1121418.5744	6.927	184.141	1.24	18.05	2.99	4.08	4.66	5.23		6.10
-1640	8	14	1122274.4950	127.314	349.613	0.28	17.08	2.05		2.97		3.89	6.78
-1639	8	4	1122629.1736	116.955	357.965	1.55	17.08	17.39	18.38	19.16	19.94	20.92	6.80
-1638	7	25	1122983.6798	106.490	6.436	0.78	16.97	5.68		(7.21)			6.96
-1636	6	2	1123662.2941	56.696	352.530	0.54	17.16	20.99		22.36		23.73	6.89
-1636	11	27	1123840.2234	233.078	178.444	1.61	18.88		19.69	20.49	21.29	22.29	5.07
-1635	5	23	1124016.5835	46.276	1.037	1.69	17.37	3.29	4.29	5.14	5.99		6.70
-1635	11	17	1124194.5719	221.944	186.219	0.77	18.65	3.20		4.75			5.29
-1634	5	12	1124371.1600	36.136	9.811	0.34	17.50	17.79		18.81		19.84	6.59
-1633	4	3	1124696.5696	358.133	348.857	0.14	18.13	4.03		4.69		5.36	5.97
-1632	3	22	1125051.1382	347.860	357.484	1.45	18.24			(18.15)	18.90	19.96	5.84
-1632	9	14	1125227.2418	157.912	176.659	1.32	17.66	19.10	20.18	20.83	21.49	22.57	6.24
-1631	3	11	1125405.4149	337.249	5.787	0.83	18.49	22.96		0.58		2.20	5.58
-1629	7	16	1126261.5684	97.468	170.978	0.31	17.03	3.78		4.84		5.89	6.99
-1628	1	8	1126438.3949	275.173	358.418	1.62	19.12	22.56	23.53	0.33	1.12	2.10	4.87
-1628	7	4	1126615.7087	86.766	179.085	1.67	17.03	6.16	(7.24)	(8.11)			7.03
-1626	11	7	1127472.3773	212.339	350.126	0.12	18.49	23.70		0.38		1.06	5.40
-1625	5	3	1127649.1645	27.398	174.621	1.05	17.62		18.82	19.10	19.37	20.68	6.54
-1625	10	27	1127826.3758	200.860	357.296	1.33	18.33	22.31	23.49	0.20	0.91	2.09	5.55
-1624	10	15	1128180.3928	189.427	4.536	1.05	18.15	22.71	0.15	0.44	0.73	2.17	5.72
-1622	3	2	1128683.2333	328.132	170.245	0.12	18.63	19.76		20.47		21.17	5.48

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1621	2	19	1129037.2394	317.131	177.892	1.45	18.77		19.66	20.45	21.24	22.36	5.33
-1621	8	16	1129214.5077	127.708	357.466	1.47	17.11	1.41	2.42	3.16	3.91	4.91	6.75
-1620	2	8	1129391.3747	306.179	185.751	0.87	18.91	21.96		23.56		1.16	5.18
-1618	6	14	1130247.5712	67.096	351.654	0.39	17.06	3.82		5.02		6.21	6.97
-1618	12	9	1130425.5905	244.286	178.452	1.61	18.98	3.45	4.45	(5.25)			4.98
-1616	5	22	1130956.4701	46.544	8.941	0.48	17.39	1.11		2.31		3.50	6.69
-1614	4	2	1131636.4436	358.388	356.759	1.32	18.12	23.78	0.89	1.56	2.24	3.35	5.97
-1614	9	26	1131812.5965	168.948	176.480	1.30	17.78	3.66	4.75	5.39	6.02		6.12
-1613	9	15	1132167.2176	158.270	184.538	1.18	17.64	18.50	19.64	20.13	20.63	21.77	6.25
-1611	1	29	1132669.2457	296.933	350.017	0.18	18.96	19.94		20.75		21.56	5.07
-1609	1	8	1133378.4084	275.578	6.228	0.92	19.15	23.03		0.54		2.04	4.83
-1607	5	13	1134234.4728	37.821	173.715	0.91	17.55	1.05		2.56		4.07	6.60
-1606	5	3	1134589.1992	27.824	182.425	1.51	17.60	18.08	19.06	19.82	20.58	21.56	6.56
-1604	3	13	1135268.5213	338.766	169.571	0.00	18.53	3.31		3.44		3.57	5.58
-1604	9	5	1135445.1887	149.066	348.818	0.15	17.46	18.95		19.64		20.33	6.37
-1603	3	2	1135622.5330	327.839	177.300	1.35	18.68	1.64	2.80	3.53	4.25	5.42	5.42
-1602	8	15	1136154.3045	127.897	5.314	0.95	17.20	20.51		22.16		23.80	6.67
-1601	12	30	1136656.3736	266.270	170.457	0.39	19.19	22.92		24.00		1.08	4.83
-1599	6	13	1137187.1776	67.098	359.331	1.76	17.07	17.58	18.58	19.43	20.28	21.27	6.96
-1599	12	8	1137365.2747	244.344	186.219	0.76	18.98	19.99		21.54		23.09	5.00
-1595	9	26	1138752.5797	169.313	184.354	1.20	17.75	3.23	4.34	4.87	5.40		6.14
-1593	2	10	1139254.5767	307.800	349.656	0.13	18.87	3.98		4.67			5.17
-1593	8	6	1139432.1714	118.741	169.708	0.08	17.16	18.69		19.25		19.81	6.79
-1592	7	25	1139786.2709	107.875	177.605	1.40	17.03	19.63	20.78	21.54	22.30	23.45	6.95
-1591	7	14	1140140.2980	97.007	185.410	0.89	16.96	20.42		22.09		23.76	7.06
-1588	5	14	1141174.5104	38.235	181.551	1.65	17.53	1.59	2.54	3.35	4.16	5.12	6.63
-1588	11	6	1141351.0854	211.795	4.442	1.07	18.61			(17.11)	(17.45)	18.85	5.28
-1587	5	3	1141529.1098	28.115	190.336	0.17	17.54			17.55		18.32	6.61
-1586	9	17	1142030.5460	160.048	348.556	0.11	17.53	3.65		4.25		4.85	6.30
-1585	9	6	1142385.1875	149.445	356.680	1.34	17.50	17.78	18.84	19.50	20.17	21.23	6.35
-1584	8	26	1142739.6264	138.706	4.884	1.02	17.27	4.20	5.71	5.89	6.07		6.60
-1582	7	5	1143418.1339	88.018	349.996	0.12	16.92	17.79		18.47		19.16	7.05
-1582	12	30	1143596.3101	266.600	178.323	1.58	19.15	20.56	21.56	22.36	23.16	0.17	4.87
-1581	6	24	1143772.4759	77.561	358.493	1.62	17.00	0.75	1.75	2.57	3.39	4.40	7.01
-1581	12	20	1143950.6175	255.512	186.144	0.77	19.06	4.13		(5.69)			4.93
-1580	6	13	1144127.0905	67.405	7.207	0.76	17.10			17.22		18.65	6.92
-1578	10	17	1144983.3173	191.206	176.285	1.27	18.21	21.07	22.17	22.77	23.38	0.48	5.69
-1577	4	13	1145161.2662	8.797	3.496	1.22	17.93	19.43	20.66	21.27	21.87	23.10	6.15
-1574	2	9	1146194.4407	308.053	357.522	1.49	18.89	23.54	0.53	1.28	2.02	3.02	5.16
-1574	8	6	1146371.5583	118.532	176.959	1.28	17.11	2.54	3.74	4.41	5.09	6.29	6.86
-1573	1	30	1146549.1211	297.576	5.712	1.00	19.01			(17.52)		19.07	5.03
-1573	7	26	1146725.5855	107.600	184.697	1.02	17.00	3.22	4.78	4.96	5.13	6.69	6.99
-1572	12	9	1147228.4129	245.936	350.050	0.09	18.94	0.53		1.14		1.75	4.99
-1571	6	4	1147405.0989	58.650	171.964	0.64	17.19			17.65		18.98	6.94
-1571	11	28	1147582.3920	234.443	357.176	1.31	18.84	22.68	23.88	0.57	1.26	2.45	5.07
-1570	11	17	1147936.4373	223.002	4.443	1.07	18.70	23.82	1.21	1.55	1.90	3.28	5.20
-1569	5	14	1148114.4060	38.513	189.461	0.31	17.46	23.70		0.72		1.74	6.68
-1567	3	23	1148793.1115	349.028	175.947	1.12	18.24			(17.55)	(18.01)	19.35	5.88
-1567	9	17	1148970.5373	160.417	356.423	1.29	17.58	2.22	3.31	3.94	4.56	5.65	6.27
-1566	3	12	1149147.3156	338.347	184.143	1.16	18.44	20.50	21.73	22.23	22.74	23.97	5.68
-1564	7	15	1150003.4257	98.550	349.262	0.00	16.90	1.40		1.44		1.48	7.04
-1562	6	24	1150712.4069	77.872	6.397	0.89	17.03	23.29		0.80		2.30	6.97
-1560	5	4	1151392.3265	29.719	354.272	0.89	17.56	21.41		23.02		0.62	6.52
-1559	4	24	1151746.5411	19.215	2.639	1.37	17.80	2.06	3.21	3.95	4.69	5.85	6.29
-1559	10	17	1151923.3140	191.583	184.143	1.24	18.19	20.93	22.02	22.58	23.14	0.23	5.71
-1555	2	9	1153134.4709	308.461	5.350	1.05	18.92	0.31	1.61	1.89	2.17	3.47	5.13
-1553	6	15	1153990.4101	69.099	171.086	0.51	17.15	23.92		1.12		2.32	6.96
-1552	6	4	1154345.1271	59.069	179.773	1.85	17.16		17.38	18.22	19.06	20.00	6.97
-1551	5	25	1154699.6961	48.915	188.551	0.45	17.38	6.51		(7.72)			6.76
-1550	10	8	1155201.2720	182.214	348.217	0.05	18.00	21.34		21.76		22.19	5.85
-1549	4	3	1155378.3897	359.541	175.144	0.98	18.13	22.59		0.32		2.04	5.99
-1548	3	23	1155732.6172	348.939	183.440	1.28	18.35	3.77	4.91	5.55			5.78
-1548	9	16	1155910.2825	160.554	4.235	1.12	17.69	19.95	21.25	21.69	22.13	23.43	6.18
-1546	1	31	1156412.4435	299.341	169.752	0.28	19.08	0.55		1.48		2.41	5.02

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1545	7	16	1156943.0916	98.619	356.994	1.38	16.96			17.28	17.98	19.04	6.96
-1544	1	10	1157121.2921	277.692	185.855	0.82	19.11	20.11		21.71		23.32	4.93
-1544	7	5	1157297.7226	88.393	5.602	1.02	16.97	6.77	(8.18)	(8.34)			7.01
-1542	5	16	1157977.6153	40.110	353.399	0.74	17.44	4.50		6.01			6.64
-1538	3	3	1159365.1166	329.593	356.562	1.34	18.54			(17.54)	(18.20)	19.24	5.55
-1538	8	27	1159542.1604	140.050	175.964	1.10	17.40		18.43	18.87	19.30	20.67	6.53
-1537	8	16	1159896.1898	128.975	183.563	1.22	17.22	17.61	18.84	19.43	20.02	21.25	6.72
-1534	6	15	1160930.4382	69.506	178.928	1.72	17.12	23.90	0.85	1.68	2.51	3.46	6.99
-1534	12	9	1161107.1373	245.410	4.400	1.08	19.05			(18.27)	(18.64)	20.00	4.89
-1531	4	14	1161963.6687	9.996	174.317	0.84	18.03	5.47		(7.10)			6.10
-1531	10	8	1162141.2468	182.569	356.092	1.23	18.04	19.35	20.48	21.05	21.63	22.76	5.82
-1530	9	28	1162495.6200	171.577	4.035	1.15	17.78	4.08	5.35	5.84			6.08
-1529	3	23	1162672.4592	349.160	191.338	0.09	18.29	1.09		1.65		2.21	5.86
-1527	1	31	1163352.3504	299.629	177.658	1.47	19.02	21.33	22.37	23.13	23.89	0.94	5.07
-1527	7	26	1163528.4101	109.232	356.352	1.28	16.97	23.16	0.26	0.89	1.51	2.61	6.93
-1526	1	21	1163706.6221	288.684	185.621	0.86	19.10	3.93		(5.57)			4.95
-1526	7	16	1163883.0467	98.956	4.890	1.13	17.01			(16.08)	(16.51)	17.70	6.91
-1524	11	18	1164739.4253	224.854	176.292	1.28	18.75	23.70	0.79	1.40	2.01	3.09	5.19
-1523	5	15	1164917.0779	39.988	0.813	1.69	17.39			(16.98)	17.86	18.94	6.67
-1522	5	4	1165271.1118	29.325	8.816	0.29	17.59			17.60		18.65	6.49
-1520	3	13	1165950.4428	340.265	355.936	1.25	18.42	23.76	0.85	1.43	2.01	3.10	5.67
-1520	9	6	1166127.4677	150.932	175.564	1.03	17.53	0.50	2.02	2.27	2.51	4.04	6.40
-1519	3	3	1166305.1481	330.015	4.357	1.21	18.56			(18.18)	18.72	19.83	5.52
-1519	8	26	1166481.4993	139.786	183.095	1.30	17.33	1.02	2.19	2.86	3.54	4.71	6.60
-1517	1	11	1166984.4135	279.251	349.626	0.01	19.07	0.69		0.91		1.14	4.92
-1517	7	7	1167161.0454	90.099	169.480	0.26	17.01			(16.31)		17.20	7.01
-1517	12	31	1167338.3919	267.885	356.871	1.26	19.11	22.49	23.71	0.35	1.00	2.21	4.86
-1516	12	19	1167692.4831	256.579	4.324	1.10	19.08	0.76	2.08	2.49	2.90	4.22	4.86
-1515	6	15	1167870.2793	69.743	186.802	0.72	17.05	20.25		21.74		23.22	7.04
-1513	10	20	1168726.6092	193.719	356.031	1.22	18.13	4.09	5.24	(5.79)			5.73
-1512	4	13	1168903.2186	9.941	181.912	1.55	17.90	18.33	19.36	20.16	20.97	22.00	6.25
-1508	7	26	1170468.3759	109.579	4.245	1.23	17.01	22.29	23.39	23.95	0.50	1.60	6.89
-1506	6	6	1171148.1846	60.903	351.620	0.43	17.10	18.52		19.73		20.95	6.94
-1505	5	26	1171502.3463	50.358	359.899	1.81	17.28	21.51	22.58	23.47	0.36	1.43	6.78
-1505	11	19	1171679.4377	225.246	184.131	1.24	18.72	23.93	1.02	1.58	2.14	3.23	5.21
-1504	5	14	1171856.3818	39.700	7.911	0.45	17.46	22.86		0.14		1.42	6.61
-1501	3	14	1172890.4798	340.679	3.759	1.30	18.45	0.52	1.58	2.20	2.83	3.89	5.64
-1500	8	26	1173421.1345	139.803	190.797	0.11	17.34	17.38		18.00		18.61	6.57
-1499	7	17	1173746.3709	100.670	168.775	0.15	17.04	23.39		0.08		0.77	6.96
-1498	7	7	1174101.0625	90.495	177.331	1.46	16.98			(16.61)	17.34	18.36	7.05
-1497	6	27	1174455.5742	80.194	185.983	0.85	17.02	3.21		4.79		6.37	7.05
-1496	11	9	1174957.3886	215.803	348.101	0.03	18.52	0.33		0.64		0.96	5.34
-1495	5	5	1175134.2165	30.814	172.532	0.54	17.59	19.04		20.42		21.79	6.54
-1494	4	25	1175488.5121	20.389	181.052	1.69	17.81	1.45	2.45	3.30	4.14	5.14	6.34
-1494	10	19	1175666.3034	193.802	3.792	1.18	18.25	20.54	21.79	22.33	22.86	0.11	5.63
-1493	4	14	1175843.0903	10.206	189.790	0.35	17.83			(16.98)		18.01	6.33
-1492	3	4	1176168.4626	331.743	168.357	0.06	18.65	1.54		1.97		2.40	5.48
-1491	8	17	1176699.0629	130.677	355.264	1.11	17.25			(16.52)	(16.92)	18.17	6.61
-1490	2	11	1176877.2566	310.458	184.877	0.98	18.84	19.01		20.73		22.45	5.26
-1490	8	7	1177053.7065	120.280	3.641	1.32	17.02	6.17	(7.22)	(7.86)			6.86
-1488	6	16	1177733.4674	71.328	350.741	0.27	17.01	1.52		2.52		3.51	7.01
-1488	12	10	1177910.1653	247.299	176.290	1.28	19.05			19.06	19.67	20.75	4.93
-1487	6	6	1178087.6107	60.745	358.964	1.65	17.17	3.88	4.97	5.84	6.71		6.88
-1486	5	26	1178441.6483	50.082	6.973	0.62	17.34	5.12		6.58			6.72
-1484	4	4	1179121.0901	1.404	354.537	1.03	18.00			(17.13)	(17.36)	18.70	6.11
-1484	9	28	1179298.1094	172.892	175.055	0.94	17.94			(17.75)		19.47	5.98
-1483	9	17	1179652.1489	161.617	182.468	1.41	17.72		17.77	18.52	19.27	20.38	6.19
-1482	9	6	1180006.4744	150.699	190.468	0.16	17.46	1.43		2.18		2.93	6.45
-1480	7	17	1180686.3811	101.059	176.630	1.34	17.01	22.49	23.55	0.22	0.88	1.94	6.99
1479	1	10	1180863.1729	278.759	4.081	1.15	19.14			(18.88)	19.37	20.63	4.86
1477	5	16	1181719.4915	41.192	171.626	0.39	17.50	1.89		3.08		4.27	6.63
1477	11	10	1181897.3365	216.130	355.991	1.20	18.58	21.58	22.74	23.29	23.83	0.99	5.30
1476	10	30	1182251.6513	204.973	3.752	1.18	18.35	4.92	(6.16)	(6.70)			5.53
1475	4	24	1182428.4040	20.661	188.965	0.48	17.75	23.40		0.59		1.78	6.41

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1473	3	5	1183108.3279	331.990	176.262	1.23	18.58	20.88	22.04	22.63	23.22	0.39	5.55
-1473	8	28	1183284.4015	141.509	354.853	1.04	17.31	23.03	0.39	0.65	0.92	2.28	6.54
-1472	2	23	1183462.5644	321.225	184.393	1.06	18.76	2.37	3.79	4.13	4.47		5.34
-1472	8	17	1183639.0468	131.044	3.145	1.40	17.29			(16.02)	(16.71)	17.72	6.56
-1470	12	22	1184495.5344	258.474	176.256	1.28	19.13	2.15	3.23	3.84	4.45		4.87
-1469	12	11	1184850.1859	247.698	184.122	1.24	19.02			19.44	20.00	21.09	4.96
-1466	4	15	1185706.4044	11.906	353.726	0.91	17.88	23.24		0.76		2.27	6.22
-1466	10	9	1185883.4348	183.976	174.877	0.91	18.08	23.92		1.61		3.31	5.84
-1465	4	5	1186061.1236	1.828	2.334	1.52	18.02			(17.82)	18.58	19.56	6.08
-1465	9	28	1186237.4802	172.649	182.244	1.45	17.85	0.65	1.75	2.52	3.29	4.39	6.06
-1462	2	1	1187094.3553	300.835	356.080	1.13	18.95	21.48	22.80	23.28	23.76	1.09	5.08
-1462	7	29	1187271.7000	111.693	175.968	1.23	17.06	6.14	(7.27)	(7.84)			6.93
-1461	1	22	1187448.5073	289.769	3.833	1.20	19.09	1.08	2.29	2.84	3.39	4.60	4.92
-1461	7	18	1187626.1677	101.240	184.475	1.09	16.97	17.24	18.57	18.97	19.36	20.69	7.02
-1458	5	16	1188659.1015	41.210	179.292	1.75	17.38			17.58	18.43	19.42	6.76
-1455	3	16	1189693.6406	342.628	175.644	1.13	18.49	4.48	(5.75)	(6.20)			5.64
-1454	8	28	1190224.3931	141.884	2.727	1.46	17.35	22.62	23.61	0.34	1.06	2.05	6.50
-1451	6	27	1191258.1528	81.575	357.227	1.34	16.97		18.11	18.83	19.54	20.72	7.02
-1451	12	22	1191435.5588	258.878	184.083	1.25	19.09	2.66	3.74	4.31	4.88		4.90
-1450	6	16	1191612.1955	70.866	5.200	0.93	17.06	18.05		19.74		21.43	6.95
-1447	4	15	1192646.4407	12.322	1.552	1.65	17.90	23.75	0.71	1.52	2.33	3.29	6.20
-1446	9	28	1193177.1703	172.717	190.013	0.25	17.88	18.06		18.97		19.87	6.03
-1444	2	13	1193679.6660	311.673	355.672	1.06	18.86	4.96	(6.39)	(6.73)			5.19
-1444	8	8	1193857.0273	122.388	175.409	1.13	17.19			(15.67)	(16.12)	17.33	6.75
-1443	7	28	1194211.4719	111.848	183.824	1.20	17.03	0.46	1.67	2.23	2.79	4.01	6.95
-1442	1	21	1194388.3097	289.948	11.706	0.02	19.12	21.75		21.99		22.23	4.90
-1442	12	13	1194713.5107	249.481	348.091	0.02	18.94	3.19		3.45		3.72	4.98
-1440	5	26	1195244.3994	51.608	178.414	1.61	17.31	22.94	23.95	0.77	1.58	2.59	6.82
-1440	11	20	1195422.3464	227.384	3.704	1.19	18.78	21.58	22.83	23.38	23.93	1.17	5.12
-1437	9	19	1196455.0972	163.401	354.262	0.95	17.75			(17.42)		18.98	6.10
-1436	3	15	1196633.1564	342.541	183.161	1.28	18.33			18.45	19.11	20.31	5.78
-1435	8	28	1197164.4095	142.285	10.559	0.20	17.38	23.80		0.61		1.43	6.47
-1433	1	12	1197666.2606	280.686	176.010	1.25	19.15	19.43	20.53	21.10	21.68	22.77	4.91
-1433	7	8	1197843.4272	92.054	356.409	1.19	16.93	23.54	0.81	1.38	1.95	3.23	7.03
-1432	6	26	1198197.4729	81.305	4.349	1.08	17.00	0.61	1.99	2.38	2.76	4.14	7.00
-1430	10	31	1199054.1051	206.268	174.716	0.88	18.51			(17.77)		19.44	5.42
-1429	10	20	1199408.1666	194.874	182.034	1.49	18.29		18.29	19.08	19.86	20.94	5.63
-1428	4	15	1199586.3287	12.594	9.444	0.31	17.90	21.68		22.70		23.72	6.19
-1428	10	9	1199762.5274	183.821	189.893	0.27	18.00	2.64		3.59		4.53	5.90
-1426	8	19	1200442.3581	133.157	174.919	1.05	17.28	21.98	23.33	23.61	23.89	1.23	6.64
-1425	2	12	1200619.1670	311.561	3.155	1.32	18.84			(18.62)	19.29	20.41	5.22
-1423	12	12	1201653.4265	249.781	355.979	1.19	18.99	23.61	0.79	1.33	1.86	3.04	4.93
-1422	6	7	1201829.6979	62.019	177.538	1.47	17.25	6.15	(7.18)	(7.94)			6.87
-1421	5	27	1202184.3336	51.928	186.307	0.91	17.27	21.56		23.07		0.58	6.88
-1419	4	6	1202864.2411	3.724	174.163	0.87	18.03	19.19		20.78		22.38	6.10
-1419	9	29	1203040.4511	174.459	354.057	0.92	17.83	0.41		1.96		3.50	6.02
-1418	3	26	1203218.4390	353.105	182.412	1.41	18.23	23.41	0.55	1.31	2.08	3.21	5.89
-1418	9	19	1203395.0975	163.798	2.096	1.56	17.78			(17.31)	18.08	19.04	6.06
-1417	3	15	1203572.4579	342.254	190.225	0.04	18.39	1.17		1.55		1.93	5.73
-1415	1	23	1204251.6137	291.707	175.760	1.21	19.14	3.86	(4.97)	(5.51)			4.93
-1415	7	19	1204428.7040	102.593	355.634	1.05	16.92	6.21	(7.68)	(7.99)			7.03
-1414	1	12	1204606.2870	281.105	183.806	1.29	19.11	19.95	21.01	21.62	22.23	23.29	4.95
-1412	5	17	1205462.3420	43.221	351.137	0.51	17.35	22.26		23.47		0.68	6.73
-1412	11	10	1205639.4414	217.466	174.662	0.87	18.65	0.17		1.84		3.51	5.29
-1411	5	7	1205817.0597	33.214	359.842	1.86	17.49			(16.53)	(17.37)	18.32	6.60
-1411	10	31	1205993.5134	206.058	181.981	1.50	18.42	1.57	2.64	3.43	4.22	5.29	5.51
-1410	4	27	1206171.6224	23.043	8.593	0.44	17.78	4.63		5.83			6.31
-1408	3	5	1206850.2678	333.129	354.607	0.89	18.50	19.57		21.23		22.90	5.57
-1408	8	30	1207027.6955	143.996	174.525	0.98	17.38	6.13		(7.72)			6.54
-1407	2	22	1207204.4898	322.345	2.702	1.40	18.73	0.57	1.65	2.38	3.11	4.19	5.34
-1407	8	19	1207382.0929	133.270	182.746	1.37	17.29			(17.12)	17.84	18.95	6.64
-1403	6	7	1208769.6465	62.347	185.440	1.04	17.22	5.01	6.33	6.59	6.85		6.91
-1401	4	18	1209449.5355	14.188	173.356	0.73	17.94	2.44		3.94		5.44	6.20
-1400	9	29	1209980.4603	174.851	1.912	1.59	17.86	0.33	1.29	2.06	2.84	3.80	5.98

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1399	9	19	1210335.1035	164.183	9.948	0.29	17.82			(17.34)		18.29	6.03
-1396	1	24	1211191.6462	292.120	183.585	1.32	19.11	4.49	(5.54)	(6.19)			4.96
-1396	7	18	1211368.0427	102.331	2.801	1.35	17.01			(15.99)	(16.70)	17.85	6.91
-1395	7	7	1211722.3596	91.794	11.205	0.03	17.00	23.16		23.51		23.86	6.96
-1394	5	29	1212047.6552	53.635	350.266	0.38	17.25	5.95		(7.02)			6.83
-1393	5	18	1212402.3687	43.625	358.976	1.72	17.38	22.21	23.17	24.00	0.83	1.78	6.70
-1392	10	30	1212933.2538	206.173	189.804	0.29	18.43	20.11		21.09		22.06	5.49
-1390	3	17	1213435.5573	343.758	353.940	0.77	18.37	2.66		4.25			5.71
-1389	8	30	1213967.4081	144.100	182.304	1.44	17.40	22.84	23.93	0.70	1.46	2.56	6.52
-1388	2	23	1214144.3365	322.582	10.567	0.21	18.73	21.77		22.59		23.42	5.34
-1388	8	18	1214321.4960	133.073	190.025	0.06	17.21	2.16		2.65		3.14	6.73
-1386	1	3	1214824.1377	272.068	355.815	1.16	19.12			(18.23)	(18.73)	19.94	4.86
-1386	6	28	1215000.3037	82.924	175.868	1.20	17.02	20.75	21.90	22.45	23.00	0.15	7.04
-1386	12	23	1215178.3781	260.922	3.552	1.21	19.12	22.14	23.37	23.95	0.53	1.77	4.84
-1383	10	21	1216211.1776	196.736	353.857	0.90	18.30			19.48		21.00	5.56
-1381	9	30	1216920.4560	175.240	9.741	0.31	17.90	0.85		1.84		2.84	5.95
-1379	2	13	1217422.3118	313.516	175.077	1.11	18.86	20.60	21.81	22.22	22.62	23.83	5.26
-1379	8	9	1217599.2821	123.846	354.342	0.82	17.12	20.18		21.82		23.47	6.77
-1378	7	29	1217953.3390	112.930	2.138	1.47	17.04	21.18	22.28	23.07	23.86	0.95	6.87
-1377	1	24	1218131.5909	292.445	191.479	0.00	19.06	4.62		4.72		4.82	5.01
-1377	7	19	1218307.6702	102.349	10.502	0.16	16.98	6.19		6.93			6.96
-1376	12	2	1218810.1236	239.856	174.626	0.87	18.99			(18.16)		19.82	4.98
-1375	5	29	1218987.6767	54.034	358.110	1.58	17.27	5.65	6.63	(7.42)			6.80
-1375	11	21	1219164.2222	228.471	181.999	1.50	18.81		19.64	20.43	21.21	22.28	5.14
-1374	5	18	1219342.2076	43.847	6.870	0.71	17.38	18.53		20.00		21.48	6.69
-1374	11	11	1219518.6233	217.390	189.820	0.30	18.55	4.99		(5.96)			5.38
-1372	9	20	1220198.3823	165.907	173.949	0.88	17.78	22.74		0.28		1.82	6.13
-1371	3	16	1220375.1165	343.705	1.537	1.61	18.32			(17.53)	18.35	19.37	5.76
-1368	1	14	1221409.4875	283.126	355.659	1.13	19.08	0.84	2.09	2.55	3.00	4.25	4.92
-1368	7	9	1221585.6151	93.437	175.114	1.09	17.03	4.24	5.52	5.89	6.25		7.01
-1367	6	28	1221940.2752	83.277	183.756	1.31	16.98	19.96	21.01	21.64	22.28	23.33	7.08
-1365	5	9	1222620.1081	35.024	171.608	0.43	17.50			17.84		19.05	6.63
-1365	11	2	1222796.5482	207.932	353.838	0.90	18.37	2.88		4.40			5.49
-1364	4	27	1222974.2632	24.468	179.879	1.81	17.67	19.40	20.47	21.36	22.25	23.33	6.45
-1364	10	21	1223151.1953	197.135	1.698	1.62	18.32		19.00	19.79	20.57	21.53	5.53
-1363	4	16	1223328.2958	13.770	187.861	0.46	17.83	20.63		21.92		23.22	6.30
-1361	2	25	1224007.6487	324.317	174.583	1.04	18.80	4.74	(6.08)	(6.32)			5.33
-1361	8	21	1224184.5770	134.590	353.785	0.72	17.19	3.34		4.90		6.47	6.69
-1360	2	14	1224362.3432	313.941	182.874	1.44	18.83	21.14	22.14	22.86	23.57	0.58	5.29
-1360	8	9	1224538.6385	123.607	1.523	1.58	17.08	4.34	5.41	6.24			6.81
-1358	6	19	1225218.2815	74.518	348.539	0.12	16.97	21.44		22.04		22.65	7.04
-1358	12	13	1225395.4594	251.038	174.556	0.86	19.08	0.49		2.15		3.80	4.90
-1357	12	3	1225749.5739	239.689	181.982	1.50	18.92	2.98	4.04	4.83			5.05
-1356	5	28	1225927.4935	54.248	5.969	0.86	17.27	1.31		2.90		4.48	6.79
-1354	4	7	1226606.1268	4.823	352.437	0.52	17.94			18.09		19.44	6.15
-1353	3	27	1226960.4215	354.291	0.835	1.73	18.20	23.08	0.08	0.93	1.78	2.78	5.89
-1353	9	21	1227138.0586	165.973	181.685	1.54	17.81			(16.38)	(17.20)	18.27	6.10
-1352	9	9	1227492.1093	154.768	189.182	0.20	17.59			(17.42)		18.32	6.33
-1349	7	10	1228525.5965	93.799	182.997	1.43	16.99	3.61	4.61	5.32	6.03	7.03	7.05
-1348	6	28	1228880.3063	83.686	191.593	0.06	16.95	21.82		22.28		22.73	7.11
-1347	5	19	1229205.3919	45.409	170.717	0.27	17.42	23.71		0.70		1.70	6.71
-1346	5	9	1229559.5318	34.851	178.970	1.65	17.57	1.93	3.01	3.88	4.75	5.84	6.55
-1346	11	2	1229736.5694	208.335	1.673	1.62	18.40	3.05	4.00	4.79			5.46
-1345	4	28	1229913.5701	24.183	186.991	0.61	17.73	3.14		4.59		6.05	6.40
-1345	10	22	1230091.1805	197.500	9.566	0.33	18.36			19.31		20.34	5.50
-1342	2	25	1230947.6843	324.732	182.410	1.51	18.77	5.33	(6.31)	(7.06)			5.36
-1341	2	14	1231302.2658	314.244	190.781	0.10	18.77	20.27		20.87		21.47	5.34
-1341	8	9	1231478.3064	123.662	9.276	0.37	17.17	21.07		22.15		23.24	6.71
-1339	6	19	1232158.2896	74.904	356.395	1.30	17.00	20.41	21.49	22.13	22.77	23.85	7.01
-1338	12	2	1232689.3611	239.851	189.843	0.30	18.90	22.63		23.60		0.58	5.06
-1336	4	17	1233191.4084	15.277	351.621	0.39	17.81	23.75		0.93		2.12	6.28
-1336	10	12	1233369.0875	188.077	173.664	0.82	18.21			(17.30)		18.81	5.70
-1335	10	1	1233723.3933	177.006	181.502	1.57	17.94	22.57	23.64	0.47	1.29	2.36	5.97
-1334	3	27	1233900.3186	354.567	8.733	0.52	18.20	21.13		22.35		23.57	5.89

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1334	9	20	1234077.4274	165.719	188.896	0.25	17.72	0.11		1.10		2.09	6.19
-1332	2	5	1234580.1634	305.046	355.097	1.03	18.89			(18.67)	18.91	20.35	5.16
-1332	7	30	1234756.2508	114.644	173.766	0.88	17.10	19.55		21.08		22.61	6.86
-1331	1	24	1234934.3690	294.048	2.958	1.31	19.05	21.65	22.83	23.51	0.20	1.37	4.98
-1330	1	13	1235288.3581	282.762	10.297	0.01	19.15	22.99		23.18		23.36	4.85
-1330	7	10	1235465.6195	94.214	190.808	0.18	16.96	5.00		5.76		6.51	7.08
-1329	11	23	1235967.2912	230.392	353.833	0.90	18.79	20.69		22.20		23.72	5.10
-1327	11	2	1236676.5432	208.702	9.520	0.33	18.45	3.01		4.04		5.07	5.42
-1325	3	18	1237178.3105	345.693	173.381	0.86	18.36	20.84		22.32		23.80	5.79
-1325	9	11	1237355.1915	156.294	352.942	0.57	17.60	18.28		19.71		21.14	6.27
-1324	8	30	1237709.2639	145.179	0.564	1.74	17.43	19.36	20.40	21.27	22.13	23.17	6.43
-1323	2	25	1237887.5906	325.033	190.292	0.18	18.70	3.90		4.69			5.42
-1323	8	20	1238063.6328	134.432	8.764	0.45	17.22	4.80		5.99			6.65
-1321	1	4	1238566.1296	273.270	174.343	0.82	19.16			(18.06)		19.70	4.88
-1321	7	1	1238743.6000	85.380	355.599	1.17	16.94	3.88	5.05	5.55	6.05		7.05
-1321	12	24	1238920.2808	262.035	181.922	1.52	19.12	19.80	20.85	21.65	22.44	23.49	4.89
-1320	6	19	1239098.0721	75.072	4.259	1.13	17.03			(16.78)	17.25	18.52	6.97
-1318	10	23	1239954.4473	199.235	173.619	0.81	18.34	0.46		1.97		3.48	5.58
-1316	4	7	1240485.6387	5.103	7.999	0.64	18.09	4.79		(6.12)			6.01
-1314	2	15	1241165.4924	315.890	354.708	0.96	18.78	0.93		2.57		4.21	5.27
-1314	8	11	1241341.5798	125.346	173.216	0.79	17.18	3.49		4.96		6.43	6.77
-1313	7	31	1241696.2486	115.024	181.634	1.64	17.07	19.16	20.11	20.90	21.70	22.65	6.89
-1310	5	30	1242730.0617	55.600	177.092	1.32	17.19			(16.69)	17.39	18.58	6.91
-1310	11	23	1242907.3177	230.799	1.658	1.62	18.82	20.99	21.94	22.73	23.51	0.47	5.07
-1309	5	19	1243084.1122	44.958	185.151	0.94	17.31			17.73		19.43	6.81
-1307	3	29	1243763.6361	356.281	172.688	0.75	18.29	4.80		(6.21)			5.86
-1307	9	22	1243940.5107	167.252	352.654	0.52	17.71	2.04		3.41		4.79	6.17
-1306	3	18	1244118.3444	346.108	181.214	1.70	18.34	21.25	22.20	23.02	23.84	0.79	5.81
-1306	9	11	1244294.5898	156.073	0.221	1.80	17.52	3.22	4.26	5.13	5.99		6.34
-1303	1	14	1245151.4544	284.315	174.121	0.79	19.16	0.18		1.78		3.39	4.89
-1302	1	4	1245505.6264	273.155	181.797	1.54	19.16	4.01	(5.05)	(5.85)			4.87
-1302	6	30	1245683.3593	85.537	3.423	1.27	16.98	21.85	23.01	23.65	0.28	1.45	7.00
-1299	4	28	1246716.3272	25.738	358.464	1.62	17.65	21.10	22.11	22.92	23.74	0.75	6.44
-1299	10	23	1246894.0711	199.246	181.282	1.60	18.38			(16.82)	(17.65)	18.72	5.55
-1295	8	11	1248281.5806	125.741	181.049	1.73	17.15	3.10	4.04	4.86	5.67	6.61	6.79
-1294	7	31	1248636.2608	115.429	189.452	0.38	17.04	20.00		21.08		22.16	6.92
-1292	6	9	1249315.3291	65.980	176.179	1.15	17.13	21.29	22.60	23.12	23.63	0.95	6.96
-1291	5	29	1249669.3860	55.334	184.243	1.10	17.23	22.56	23.91	0.34	0.76	2.11	6.88
-1291	11	23	1249847.2791	231.141	9.542	0.32	18.87	20.66		21.68		22.69	5.03
-1288	3	29	1250703.6679	356.691	180.524	1.81	18.26	5.08	(6.03)	(6.87)			5.89
-1287	3	18	1251058.2265	346.373	189.125	0.35	18.27	18.97		20.06		21.15	5.86
-1287	9	10	1251234.3139	156.180	8.037	0.58	17.62	21.08		22.38		23.69	6.24
-1285	7	22	1251914.2259	106.484	354.136	0.93	16.97	18.94		20.50		22.07	6.93
-1284	7	11	1252268.6526	96.038	2.661	1.40	16.94	4.81	5.91	6.65			7.01
-1283	1	3	1252445.4585	273.363	189.686	0.34	19.11	0.68		1.71		2.73	4.92
-1282	11	14	1253125.1689	221.651	173.602	0.80	18.75			19.31		20.82	5.19
-1281	5	10	1253301.6276	36.156	357.614	1.48	17.53	4.41	5.44	6.20			6.56
-1281	11	3	1253479.4160	210.421	181.250	1.61	18.51	23.20	0.27	1.11	1.95	3.02	5.42
-1280	4	28	1253656.2668	26.057	6.358	0.90	17.66	19.85		21.36		22.87	6.44
-1280	10	22	1253833.4111	198.955	188.415	0.33	18.30	23.71		0.84		1.96	5.63
-1278	3	9	1254336.1245	337.358	353.657	0.78	18.40			(17.82)		19.36	5.68
-1278	9	1	1254512.2539	146.981	172.332	0.66	17.50	19.79		21.16		22.52	6.41
-1277	2	26	1254690.2979	326.542	1.671	1.53	18.63	19.87	20.97	21.80	22.62	23.73	5.43
-1276	2	15	1255044.2988	315.480	9.245	0.20	18.82	20.77		21.66		22.55	5.23
-1276	8	11	1255221.5900	126.129	188.899	0.46	17.12	3.79		4.97		6.14	6.82
-1275	12	25	1255723.4030	263.997	353.749	0.90	19.08	23.18		0.69		2.19	4.88
-1274	6	21	1255900.5946	76.394	175.265	0.99	17.09	3.73		5.48			6.98
-1273	6	10	1256254.6583	65.731	183.321	1.27	17.17	5.04	6.24	6.88			6.93
-1271	4	19	1256934.2724	17.305	171.102	0.51	17.83	20.45		21.66		22.86	6.33
-1271	10	13	1257111.1637	189.371	352.262	0.45	18.17			19.18		20.48	5.71
-1270	10	2	1257465.2591	178.088	359.746	1.79	17.98	19.39	20.42	21.28	22.14	23.17	5.89
-1269	3	30	1257643.5307	356.950	188.406	0.47	18.18	2.21		3.45		4.68	5.96
-1269	9	22	1257819.6607	167.175	7.765	0.62	17.69	5.40		(6.75)			6.15
-1267	8	2	1258499.5427	117.128	353.487	0.82	16.99	2.58		4.08		5.58	6.90

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1266	1	25	1258676.3087	295.207	181.378	1.62	19.03	20.25	21.27	22.09	22.92	23.94	5.05
-1264	11	25	1259710.5322	232.872	173.626	0.80	18.86	7.48		4.00			5.09
-1262	5	10	1260241.5800	36.486	5.503	1.03	17.55	3.37	4.72	4.94	5.17	6.52	6.55
-1260	3	19	1260921.4317	347.980	353.029	0.67	18.28	23.81		1.26		2.72	5.81
-1260	9	12	1261097.6027	157.908	172.025	0.61	17.61	4.24		5.56			6.29
-1259	3	9	1261275.5941	337.218	1.088	1.64	18.50	3.01	4.09	4.96			5.57
-1259	9	1	1261452.2693	147.380	180.176	1.86	17.47	19.65	20.58	21.41	22.24	23.17	6.43
-1258	2	26	1261629.6014	326.235	8.743	0.29	18.70	3.88		4.95			5.36
-1256	12	25	1262663.4350	264.410	1.569	1.64	19.11	23.59	0.54	1.34	2.13	3.09	4.85
-1254	6	9	1263194.2729	65.740	191.009	0.07	17.07	21.02		21.52		22.02	7.04
-1253	5	1	1263519.5882	27.756	170.257	0.38	17.76	4.25		5.31		6.37	6.40
-1253	10	24	1263696.4997	200.503	352.165	0.44	18.28	2.01		3.28		4.55	5.61
-1252	4	19	1263874.2969	17.709	178.945	1.72	17.80	20.35	21.31	22.14	22.96	23.92	6.35
-1252	10	13	1264050.6047	189.185	359.622	1.77	18.07	3.74	4.77	5.62			5.80
-1249	2	16	1264907.4035	317.019	173.059	0.62	18.83	23.02		0.47		1.93	5.27
-1248	2	6	1265261.6444	306.127	181.067	1.68	18.99	4.27	(5.28)	(6.12)			5.10
-1248	8	1	1265439.2465	117.217	1.283	1.62	17.08	18.95	20.00	20.85	21.69	22.74	6.81
-1247	1	25	1265616.1699	295.447	189.273	0.42	18.97			(18.65)		19.77	5.12
-1247	7	21	1265793.3435	106.396	9.224	0.20	17.03	22.16		23.06		23.96	6.90
-1245	5	31	1266472.2285	56.968	355.873	1.21	17.17	19.00	20.15	20.70	21.25	22.40	6.89
-1245	11	25	1266650.1070	232.824	181.223	1.61	18.88			(17.67)	(18.51)	19.59	5.08
-1241	9	13	1268037.6207	158.314	179.853	1.86	17.58	4.12	5.06	5.88			6.32
-1240	9	1	1268392.2625	147.757	188.024	0.58	17.45	19.82		21.13		22.44	6.45
-1238	1	16	1268894.1299	286.188	353.470	0.86	19.06			(17.97)		19.45	4.96
-1238	7	12	1269071.1420	97.326	173.610	0.70	17.01	17.01		18.56		20.10	7.00
-1237	7	1	1269425.2195	86.597	181.615	1.57	16.97	18.41	19.48	20.32	21.15	22.22	7.07
-1237	12	26	1269603.3668	264.727	9.456	0.32	19.16	22.55		23.57		0.60	4.80
-1236	6	20	1269779.5723	76.177	190.160	0.22	17.04	3.83		4.69		5.55	7.05
-1234	5	1	1270459.6061	28.157	178.099	1.58	17.73	3.86	4.84	5.63	6.43		6.43
-1233	4	20	1270814.1283	17.932	186.833	0.72	17.72			17.96		19.44	6.42
-1233	10	13	1270990.3775	189.342	7.472	0.68	18.16	22.67		0.05		1.44	5.70
-1231	8	23	1271670.1964	138.613	352.459	0.63	17.32	18.40		19.77		21.14	6.54
-1230	8	13	1272024.5507	127.904	0.705	1.72	17.14	2.23	3.28	4.14	5.01	6.05	6.75
-1229	2	6	1272201.5185	306.384	188.957	0.47	18.94	1.81		2.98		4.16	5.17
-1229	8	2	1272378.6289	116.999	8.540	0.32	17.06	4.78		5.89			6.85
-1228	12	16	1272881.2481	255.284	173.588	0.78	19.12	19.54		21.05		22.57	4.87
-1227	6	11	1273057.5287	67.395	354.994	1.07	17.08	2.27	3.57	3.91	4.24	5.54	6.96
-1227	12	5	1273235.4482	244.027	181.181	1.61	18.98	23.88	0.96	1.80	2.65	3.73	4.99
-1226	5	31	1273412.2002	57.332	3.728	1.31	17.19	18.22	19.27	19.90	20.54	21.58	6.86
-1226	11	24	1273589.4231	232.519	188.276	0.36	18.82	23.95		1.12		2.28	5.14
-1224	10	3	1274268.3131	179.985	171.605	0.55	18.04	21.45		22.70		23.96	5.86
-1223	3	30	1274446.1615	358.382	359.662	1.77	18.08			18.74	19.62	20.70	6.00
-1222	3	19	1274800.1837	347.541	7.478	0.52	18.29			19.05		20.41	5.79
-1222	9	13	1274977.6036	158.688	187.688	0.63	17.57	4.00		5.35			6.33
-1220	1	27	1275479.4833	297.196	353.206	0.82	18.99	0.94		2.40		3.85	5.04
-1220	7	22	1275656.4199	107.877	172.849	0.56	17.05	23.78		1.20		2.62	6.93
-1219	1	16	1275834.1594	286.610	1.263	1.68	19.09			(18.56)	19.37	20.32	4.93
-1219	7	12	1276010.5045	97.103	180.815	1.70	16.99	1.21	2.26	3.12	3.99	5.04	7.03
-1217	5	22	1276690.2142	48.602	168.501	0.11	17.35	19.84		20.44		21.04	6.79
-1217	11	15	1276867.1791	222.865	352.067	0.42	18.71			19.60		20.85	5.20
-1216	11	3	1277221.3084	211.517	359.518	1.76	18.53	20.69	21.71	22.56	23.42	0.44	5.36
-1215	4	30	1277399.4206	28.358	185.989	0.85	17.63	23.47		1.05		2.64	6.51
-1213	9	4	1278255.5316	149.466	352.071	0.57	17.39	2.53		3.84		5.15	6.46
-1212	2	27	1278432.2984	327.747	180.191	1.83	18.62	19.99	20.99	21.84	22.70	23.69	5.50
-1210	12	28	1279466.6034	266.434	173.532	0.77	19.18	3.99		(5.50)			4.83
-1208	6	11	1279997.5141	67.761	2.868	1.45	17.11	1.72	2.71	3.43	4.16	5.15	6.93
-1207	5	31	1280352.2306	57.739	11.559	0.07	17.22	20.04		20.52		20.99	6.83
-1206	4	21	1280677.3121	19.502	350.733	0.27	17.72	21.66		22.66		23.65	6.37
-1205	4	10	1281031.4404	8.865	358.880	1.63	17.94	23.57	0.66	1.52	2.39	3.47	6.14
-1205	10	4	1281208.3399	180.389	179.438	1.79	18.01	21.48	22.42	23.24	0.06	0.99	5.89
-1204	3	29	1281385.4714	358.088	6.767	0.65	18.16	0.55		2.04		3.53	5.92
-1202	8	3	1282241.7086	118.482	172.191	0.45	17.12	6.82		(8.11)			6.85
-1201	1	28	1282419.5176	297.606	1.035	1.72	19.02	1.34	2.29	3.10	3.92	4.87	5.01
-1200	7	11	1282950.1843	97.167	188.590	0.48	16.94	18.09		19.32		20.54	7.07

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1199	11	26	1283452.5195	234.070	352.027	0.42	18.79	2.49		3.74		4.98	5.12
-1198	5	22	1283630.2178	48.992	176.343	1.30	17.31	18.70	19.79	20.42	21.05	22.14	6.82
-1198	11	15	1283806.6632	222.729	359.500	1.75	18.61	5.21	(6.23)	(7.08)			5.28
-1197	5	12	1283984.7071	38.766	185.096	1.00	17.54	6.32		(7.99)			6.59
-1197	11	4	1284161.1108	211.706	7.379	0.70	18.61			(17.70)		19.10	5.26
-1195	3	20	1284663.3017	349.063	171.282	0.33	18.30	21.08		22.18		23.29	5.82
-1194	3	10	1285017.6163	338.451	179.619	1.80	18.54	3.68	4.67	5.52			5.59
-1194	9	3	1285195.1755	149.498	359.779	1.79	17.52		18.30	19.17	20.04	21.09	6.35
-1193	2	27	1285372.2000	328.035	188.075	0.62	18.56			19.36		20.68	5.57
-1193	8	23	1285549.2186	138.415	7.398	0.52	17.37	18.67		20.04		21.41	6.51
-1191	7	2	1286228.1439	88.323	353.355	0.81	16.93	17.13		18.62		20.11	7.02
-1191	12	27	1286406.1269	266.339	181.036	1.64	19.13			(17.93)	(18.79)	19.87	4.89
-1189	6	12	1286937.5376	68.169	10.688	0.20	17.14	3.09		3.88		4.68	6.90
-1188	5	2	1287262.5932	29.930	349.857	0.11	17.59	4.82		5.48		6.15	6.50
-1187	4	21	1287616.7098	19.316	358.012	1.48	17.80	6.15	(7.27)	(8.08)			6.28
-1186	10	4	1288148.3057	180.747	187.285	0.69	18.00	20.89		22.30		23.70	5.91
-1184	2	18	1288650.1788	318.984	352.477	0.71	18.69			19.06		20.44	5.38
-1183	8	2	1289181.0985	118.278	179.444	1.75	17.12			17.33	18.19	19.23	6.83
-1182	1	27	1289359.4131	297.895	8.912	0.39	19.04	23.33		0.47		1.60	4.99
-1182	7	22	1289535.4957	107.748	187.874	0.60	16.99	1.42		2.76		4.10	7.00
-1180	6	2	1290215.5191	59.409	175.445	1.15	17.26	2.01	3.20	3.67	4.14	5.34	6.87
-1179	11	14	1290746.4786	222.935	7.358	0.70	18.68	1.13		2.53		3.92	5.20
-1177	4	1	1291248.5926	359.611	170.557	0.21	18.20	4.35		5.25			5.92
-1177	9	25	1291426.2151	171.391	351.510	0.46	17.84	19.12		20.33		21.55	6.01
-1176	9	13	1291780.4974	160.404	359.443	1.73	17.62	1.02	2.07	2.94	3.80	4.86	6.25
-1175	3	10	1291957.5338	338.748	187.522	0.71	18.49	2.05		3.43		4.81	5.65
-1175	9	3	1292134.5245	149.234	6.956	0.59	17.46	1.96		3.41		4.86	6.41
-1173	1	18	1292637.2963	288.581	173.225	0.71	19.12	20.49		21.97		23.44	4.95
-1173	7	13	1292813.4592	98.851	352.613	0.70	16.91	0.75		2.15		3.55	7.02
-1172	1	7	1292991.4603	277.425	180.894	1.66	19.15	23.91	0.99	1.85	2.71	3.79	4.89
-1172	7	2	1293168.1463	88.707	1.218	1.71	16.97		17.74	18.56	19.37	20.32	6.98
-1172	12	26	1293345.4342	266.017	188.093	0.39	19.11	23.96		1.18		2.39	4.91
-1170	11	5	1294024.4181	213.490	171.440	0.53	18.59	0.08		1.32		2.55	5.33
-1169	10	26	1294379.0749	202.697	179.266	1.76	18.44			(16.95)	(17.77)	18.71	5.47
-1168	10	15	1294733.6642	191.863	187.191	0.69	18.12	5.53		(6.94)			5.79
-1166	3	1	1295235.5193	329.766	351.999	0.64	18.59	1.94		3.27		4.59	5.49
-1166	8	24	1295412.2998	139.921	171.069	0.25	17.40	21.31		22.30		23.29	6.53
-1165	2	18	1295590.2094	319.397	0.301	1.84	18.72		18.85	19.69	20.52	21.46	5.35
-1165	8	13	1295766.4070	128.968	178.883	1.65	17.21	22.83	23.87	0.72	1.57	2.61	6.73
-1163	12	17	1296623.1992	256.437	351.920	0.41	19.06			19.92		21.14	4.89
-1162	12	6	1296977.3764	245.161	359.483	1.76	18.97	22.25	23.26	0.11	0.95	1.97	4.95
-1161	6	2	1297155.2749	59.555	183.295	1.29	17.16	19.88	21.03	21.69	22.35	23.50	6.95
-1159	10	6	1298011.5614	182.459	351.322	0.42	17.93	3.52		4.70		5.87	5.93
-1158	3	31	1298188.2398	359.658	178.268	1.59	18.09	18.83	19.84	20.64	21.45	22.46	6.05
-1155	1	29	1299222.6307	299.563	172.946	0.66	19.09	4.51		(5.95)			4.99
-1154	7	13	1299753.4649	99.250	0.444	1.83	16.94	0.41	1.34	2.17	3.00	3.93	6.99
-1153	7	3	1300108.1569	89.109	9.041	0.44	17.00	17.54		18.70		19.85	6.95
-1151	5	12	1300787.2430	40.115	356.200	1.16	17.40	19.18	20.49	21.02	21.54	22.85	6.67
-1151	11	5	1300964.4449	213.911	179.230	1.76	18.56	0.09	1.03	1.85	2.66	3.61	5.36
-1150	5	1	1301141.3025	29.466	4.254	1.10	17.60	20.47	21.82	22.25	22.67	0.02	6.48
-1148	9	4	1301997.6079	150.749	170.647	0.18	17.52	4.88		5.72			6.40
-1147	3	1	1302175.5477	330.174	359.828	1.85	18.61	2.05	3.00	3.84	4.67		5.47
-1147	8	24	1302351.7232	139.731	178.402	1.57	17.32	6.45	(7.50)	(8.32)			6.61
-1146	8	13	1302706.1446	129.090	186.708	0.80	17.21			18.30		19.78	6.71
-1145	12	29	1303208.5374	267.568	351.831	0.39	19.07	2.74		3.95			4.90
-1144	6	23	1303386.1302	80.278	173.760	0.87	17.02			18.32		19.85	7.04
-1143	6	13	1303740.5596	69.956	182.419	1.44	17.11	2.66	3.75	4.52	5.29	6.38	6.98
-1143	12	6	1303917.2233	245.385	7.377	0.71	19.04			20.31		21.70	4.88
-1140	4	11	1304773.5483	10.175	177.514	1.47	18.00	2.35	3.38	4.14	4.89	5.92	6.14
-1140	10	5	1304951.1532	182.430	358.967	1.64	18.08			18.78	19.63	20.70	5.80
-1139	3	31	1305128.1835	359.982	186.166	0.93	18.04			19.18		20.70	6.12
-1139	9	24	1305305.1528	171.098	6.287	0.71	17.91			18.58		20.13	5.97
-1137	8	4	1305984.1024	120.090	351.287	0.50	17.10			17.53		18.75	6.77
-1136	1	29	1306162.1058	299.418	180.378	1.76	18.96			(17.22)	(18.10)	19.18	5.12

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1135	7	13	1306693.4721	99.636	8.299	0.55	16.98	0.95		2.22		3.50	6.95
-1134	11	27	1307195.1638	235.956	171.449	0.54	18.95			19.17		20.41	5.00
-1133	5	24	1307372.5090	50.486	355.283	0.99	17.28	1.69		3.45		5.20	6.78
-1132	5	12	1307726.5789	39.858	3.370	1.26	17.47	3.11	4.31	4.94	5.58		6.60
-1132	11	5	1307904.3861	214.232	187.116	0.70	18.55	22.89		0.31		1.74	5.38
-1130	3	22	1308406.1808	351.121	350.788	0.46	18.17			19.27		20.42	5.93
-1129	9	4	1308937.0432	150.580	177.982	1.50	17.57			(16.03)	(16.82)	17.89	6.34
-1128	3	1	1309115.4016	330.422	7.699	0.58	18.61	22.85		0.20		1.55	5.47
-1128	8	23	1309291.4753	139.880	186.217	0.88	17.31	0.72		2.25		3.78	6.60
-1126	7	4	1309971.4344	90.769	172.946	0.73	17.03	0.15		1.59		3.03	7.01
-1125	12	18	1310502.5904	256.591	7.333	0.72	19.06	3.65		(5.05)			4.87
-1123	10	27	1311182.2686	204.743	351.144	0.38	19.40	20.62		21.74		22.87	5.48
-1122	10	16	1311536.4860	193.534	358.810	1.61	18.18	0.89	1.97	2.81	3.65	4.73	5.70
-1121	4	12	1311713.5006	10.518	185.382	1.05	17.97	1.29	2.59	2.87	3.16	4.46	6.19
-1121	10	5	1311890.4745	182.138	6.050	0.75	18.02	0.76		2.35		3.94	5.86
-1119	2	19	1312393.2852	321.284	172.191	0.53	18.74	20.32		21.64		22.97	5.37
-1119	8	14	1312569.4349	130.808	350.745	0.42	17.14	0.38		1.51		2.63	6.71
-1118	2	8	1312747.4201	310.304	180.014	1.82	18.89	22.79	23.86	0.75	1.63	2.70	5.20
-1118	8	4	1312924.1225	120.492	359.133	1.75	17.13			17.90	18.72	19.66	6.73
-1117	1	28	1313101.4099	299.103	187.443	0.52	18.98	23.03		0.39		1.75	5.09
-1116	12	8	1313780.5382	247.177	171.455	0.54	19.04	2.85		4.09			4.92
-1115	11	27	1314135.1953	236.368	179.261	1.76	18.92		18.99	19.81	20.63	21.57	5.04
-1113	5	12	1314666.2005	39.874	11.063	0.06	17.45	19.28		19.75		20.21	6.62
-1112	4	2	1314991.5061	1.699	350.089	0.35	18.06	2.14		3.16		4.19	6.04
-1112	9	25	1315168.2414	172.637	170.019	0.07	17.93	20.49		21.02		21.55	5.98
-1111	3	22	1315346.2019	351.522	358.624	1.66	18.20		18.86	19.67	20.48	21.45	5.90
-1111	9	14	1315522.3743	161.497	177.670	1.45	17.70	22.18	23.26	0.02	0.78	1.86	6.22
-1108	1	19	1316379.1983	289.688	351.452	0.34	19.02			19.65		20.78	5.00
-1107	1	7	1316733.4368	278.606	359.265	1.73	19.11	23.46	0.47	1.31	2.15	3.15	4.88
-1107	7	4	1316911.1285	90.850	180.734	1.72	16.97		17.26	18.12	18.99	20.03	7.06
-1106	6	23	1317265.2326	80.185	188.836	0.27	16.96	19.48		20.51		21.55	7.09
-1105	11	8	1317767.6275	215.936	351.128	0.37	18.48	5.25		(6.37)			5.40
-1104	5	2	1317944.1549	31.092	175.845	1.20	17.56		18.31	18.85	19.40	20.55	6.59
-1101	3	3	1318978.5975	332.040	171.662	0.43	18.66	3.96		5.18			5.46
-1100	8	14	1319509.4553	131.223	358.560	1.66	17.17	0.13	1.08	1.88	2.68	3.63	6.68
-1099	8	4	1319864.1099	120.873	6.975	0.75	17.17			17.48		18.92	6.70
-1097	6	14	1320543.0391	71.254	353.436	0.67	17.01			(16.19)		17.71	7.00
-1097	12	9	1320720.5661	247.598	179.243	1.76	19.01	2.88	3.83	4.65			4.96
-1096	6	2	1320897.1299	60.634	1.557	1.58	17.14		17.40	18.23	19.07	20.14	6.90
-1096	11	27	1321075.1124	236.677	187.131	0.68	18.90			(17.69)		19.12	5.06
-1095	5	22	1321251.4951	50.287	10.173	0.21	17.34	2.01		2.86		3.71	6.73
-1094	10	7	1321753.5662	183.685	169.805	0.03	18.07	4.49		4.87		5.24	5.85
-1093	4	3	1321931.5186	2.104	357.907	1.55	18.08	1.59	2.57	3.35	4.13	5.12	6.02
-1092	9	14	1322462.1605	161.677	185.510	0.99	17.71			18.76		20.35	6.19
-1090	1	30	1322964.5230	300.649	351.189	0.30	18.95	2.34		3.40		4.45	5.09
-1090	7	26	1323142.0587	111.883	171.533	0.48	17.10			(16.51)		17.74	6.86
-1089	7	15	1323496.4183	101.360	179.970	1.84	17.00	23.13	0.17	1.05	1.92	2.97	7.01
-1088	1	8	1323673.3233	278.870	7.162	0.75	19.15	21.05		22.47		23.88	4.84
-1088	7	4	1323850.5054	90.631	187.990	0.42	16.96	1.77		3.03		4.29	7.08
-1086	5	13	1324529.4585	41.510	174.982	1.07	17.49	0.56	1.86	2.19	2.52	3.83	6.66
-1086	11	7	1324707.1679	215.851	358.679	1.59	18.63			19.21	20.05	21.14	5.27
-1085	5	3	1324884.1331	31.451	183.726	1.31	17.52		17.58	18.21	18.85	19.89	6.64
-1085	10	27	1325061.1400	204.360	5.803	0.79	18.48			(18.40)		20.02	5.41
-1083	9	5	1325740.1151	152.477	349.872	0.29	17.55			17.87		18.82	6.29
-1081	8	15	1326449.4372	131.586	6.433	0.83	17.22	23.82		1.33		2.83	6.65
-1080	12	29	1326951.2771	269.543	171.344	0.53	19.19	20.43		21.66		22.89	4.85
-1079	6	24	1327128.3090	81.668	352.558	0.51	16.94	21.28		22.65		0.02	7.04
-1078	6	13	1327482.4102	71.032	0.680	1.73	17.05	23.04	0.09	0.96	1.83	2.87	6.97
-1078	12	8	1327660.4757	247.889	187.138	0.68	18.99	0.93		2.35		3.78	4.99
-1076	4	23	1328162.1418	22.714	348.505	0.11	17.63	17.99		18.58		19.18	6.47
-1075	10	6	1328693.0532	183.549	177.251	1.38	18.13			(16.41)	(17.13)	18.22	5.78
-1074	4	2	1328871.3257	2.295	5.782	0.88	18.06	20.99		22.60		0.20	6.03
-1074	9	26	1329047.5142	172.681	185.283	1.03	17.83	1.70	3.07	3.30	3.53	4.90	6.07
-1072	8	5	1329727.3731	122.540	170.903	0.37	17.18	22.94		0.04		1.14	6.77

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1071	1	29	1329904.1236	300.640	358.822	1.66	18.95			(17.67)	(18.50)	19.50	5.10
-1071	7	26	1330081.7082	111.933	179.244	1.71	17.05	6.06	(7.11)	(7.98)			6.94
-1069	11	29	1330938.3430	238.370	351.115	0.36	18.87	22.38		23.49		0.59	5.04
-1068	11	18	1331292.5078	227.052	358.627	1.57	18.72	1.43	2.52	3.36	4.19		5.18
-1067	5	13	1331469.4432	41.886	182.832	1.46	17.45	23.99	0.98	1.71	2.44	3.43	6.70
-1067	11	6	1331646.4747	215.537	5.718	0.81	18.58	0.82		2.44		4.07	5.32
-1066	5	3	1331824.1584	31.867	191.540	0.07	17.49	18.22		18.71		19.19	6.67
-1065	3	24	1332149.2039	353.326	170.390	0.21	18.21	18.99		19.87		20.76	5.92
-1065	9	16	1332325.4631	163.427	349.542	0.24	17.62	1.40		2.27		3.13	6.22
-1064	3	12	1332503.3126	342.527	178.369	1.54	18.39	20.34	21.45	22.28	23.11	0.22	5.73
-1064	9	5	1332680.1410	157.899	357.679	1.52	17.57		17.63	18.38	19.14	20.11	6.27
-1063	3	1	1332857.3307	331.570	186.080	0.77	18.54	20.94		22.52		0.10	5.57
-1061	7	6	1333713.5825	92.120	351.722	0.37	16.90	4.00		5.18		6.37	7.06
-1061	12	30	1333891.3071	269.955	179.163	1.74	19.15	20.50	21.45	22.26	23.08	0.03	4.88
-1060	6	24	1334067.6942	81.460	359.833	1.82	16.98	5.84	6.88	(7.75)			7.02
-1059	6	13	1334422.0964	71.112	8.456	0.51	17.07			17.31		18.55	6.93
-1058	10	28	1334924.2381	205.927	169.603	0.00	18.51	20.94		21.06		21.18	5.43
-1057	4	24	1335107.1445	23.097	356.361	1.30	17.65		17.91	18.55	19.18	20.26	6.44
-1057	10	17	1335278.4031	194.661	177.155	1.37	18.26	23.05	0.15	0.85	1.55	2.65	5.66
-1056	4	13	1335456.6223	12.798	5.022	1.01	17.93	4.12	5.70	5.80	5.90		6.16
-1054	2	20	1336135.1524	322.362	350.387	0.17	18.63			(18.50)		19.31	5.43
-1053	2	9	1336489.4614	311.550	358.500	1.61	18.85	23.94	0.95	1.76	2.58	3.58	5.20
-1052	7	25	1337021.0605	111.683	186.443	0.69	17.03			(16.30)		17.84	6.94
-1050	6	4	1337700.0640	62.336	173.211	0.79	17.14			(16.77)		18.25	6.97
-1048	5	13	1338409.4676	42.290	190.676	0.20	17.42	1.38		2.18		2.98	6.73
-1047	4	3	1338734.4988	3.867	169.662	0.08	18.11	2.48		3.04		3.60	6.02
-1046	3	24	1339088.5988	353.119	177.680	1.42	18.28	3.31	4.46	5.23			5.83
-1046	9	16	1339265.4940	163.844	357.371	1.47	17.64	1.18	2.17	2.90	3.63	4.62	6.19
-1045	3	13	1339442.6286	342.240	185.484	0.88	18.45	4.07		(5.73)			5.67
-1045	9	6	1339620.1034	153.243	5.562	0.96	17.62			(17.36)		18.95	6.23
-1042	12	30	1340831.1899	270.231	187.040	0.69	19.11			19.32		20.76	4.93
-1041	6	24	1341007.3978	81.566	7.606	0.65	17.01	23.14		0.52		1.89	6.98
-1039	5	4	1341687.4483	33.545	355.503	1.16	17.53	0.24	1.42	1.91	2.39	3.58	6.56
-1038	10	17	1342218.2347	194.884	185.018	1.08	18.26	19.07	20.34	20.69	21.03	22.30	5.65
-1036	3	2	1342720.4569	333.111	349.854	0.09	18.51	1.25		1.84		2.44	5.56
-1035	8	16	1343252.3056	133.267	178.028	1.49	17.28	20.41	21.50	22.30	23.10	0.20	6.65
-1034	2	9	1343429.3823	311.860	6.369	0.89	18.87	22.25		23.75		1.25	5.19
-1034	8	5	1343606.3447	122.308	185.757	0.81	17.12	21.47		23.10		0.73	6.83
-1032	6	14	1344285.3712	72.763	172.355	0.66	17.11	22.77		0.14		1.51	6.98
-1032	12	9	1344463.1927	249.437	358.567	1.56	19.04			19.69	20.52	21.62	4.90
-1031	6	4	1344640.0693	62.722	181.072	1.73	17.10			(16.78)	17.60	18.54	7.01
-1031	11	28	1344817.1563	237.922	5.651	0.82	18.97			(18.75)		20.39	4.96
-1029	10	8	1345496.1830	185.517	349.156	0.18	18.09	18.88		19.64		20.41	5.76
-1027	9	16	1346205.4461	164.176	5.259	1.01	17.70	0.01	1.52	1.63	1.74	3.25	6.15
-1025	1	31	1346707.3579	302.700	170.752	0.45	19.02	22.26		23.40		0.54	5.09
-1025	7	27	1346884.1406	113.185	350.186	0.10	17.02	17.87		18.52		19.16	6.88
-1024	7	15	1347238.2730	102.445	358.245	1.55	16.97	19.71	20.77	21.58	22.40	23.46	6.96
-1023	1	10	1347416.5418	281.329	186.922	0.70	19.12	2.23		3.69			4.93
-1023	7	5	1347592.7068	92.049	6.819	0.78	16.96	6.43		(7.90)			7.00
-1021	11	8	1348449.1125	217.020	177.073	1.36	18.67			(17.91)	(18.61)	19.70	5.26
-1020	5	4	1348627.1976	33.682	3.338	1.28	17.51	17.95	19.11	19.76	20.41	21.57	6.56
-1020	10	28	1348803.6031	206.056	184.972	1.09	18.38	3.94	5.19	(5.56)			5.53
-1018	9	7	1349483.3525	154.924	169.533	0.13	17.62	22.93		23.60		0.27	6.29
-1017	3	3	1349660.1179	333.154	357.592	1.47	18.48			(17.57)	(18.32)	19.35	5.60
-1017	8	28	1349837.6140	144.037	177.547	1.40	17.40	3.85	4.97	5.73	6.48		6.53
-1016	8	16	1350191.6385	132.992	185.170	0.91	17.22	4.45		6.16			6.72
-1015	12	31	1350694.4050	271.889	350.995	0.32	19.08	23.67		0.74		1.81	4.90
-1014	6	26	1350870.6802	83.221	171.521	0.54	17.09	6.28		(7.53)			6.98
-1014	12	21	1351048.5305	260.601	358.495	1.55	19.07	1.79	2.89	3.72	4.55		4.88
-1013	6	15	1351225.3823	73.160	180.201	1.87	17.08	22.52	23.45	0.29	1.12	2.05	7.02
-1013	12	9	1351402.4958	249.113	5.605	0.83	19.02	1.20		2.84		4.48	4.91
-1012	6	4	1351580.0807	63.117	188.917	0.46	17.07			(16.94)		18.12	7.05
-1011	10	19	1352081.5490	196.653	349.049	0.17	18.16	3.73		4.47		5.20	5.69
-1010	4	14	1352259.1536	14.131	176.100	1.14	17.83		18.23	18.72	19.21	20.54	6.30

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-1010	10	8	1352436.2139	185.937	356.970	1.40	18.11	18.57	19.58	20.28	20.97	21.98	5.74
-1009	4	3	1352613.2083	3.386	184.068	1.13	17.99	18.02	19.33	19.81	20.28	21.59	6.13
-1006	1	31	1353647.3806	303.111	178.576	1.65	18.98	22.07	23.03	23.84	0.64	1.61	5.12
-1006	7	27	1353823.5717	113.019	357.543	1.43	16.98	2.88	3.97	4.73	5.48	6.57	6.93
-1003	5	26	1354858.0542	54.374	353.771	0.87	17.17			(16.53)		18.07	6.88
-1003	11	18	1355034.4718	228.236	177.078	1.36	18.79	0.73	1.82	2.52	3.21	4.30	5.15
-1002	5	15	1355212.4803	44.085	2.457	1.43	17.39	0.74	1.84	2.60	3.37	4.46	6.68
-999	3	13	1356245.4392	343.849	357.025	1.38	18.36	23.58	0.64	1.34	2.04	3.10	5.72
-995	6	26	1357810.6951	83.628	179.344	1.79	17.06	6.01	6.94	(7.77)			7.02
-994	6	15	1358165.3841	73.552	188.035	0.60	17.04	22.89		0.21		1.53	7.06
-992	4	24	1358844.4215	24.572	175.214	0.98	17.72	23.49		1.24		2.98	6.40
-992	10	19	1359021.5776	197.077	356.845	1.38	18.19	3.34	4.36	5.04			5.67
-991	4	13	1359198.4896	13.883	183.253	1.28	17.89	0.81	1.99	2.65	3.31	4.49	6.24
-991	10	8	1359376.1411	186.256	4.841	1.07	18.17			18.41	18.73	20.06	5.70
-987	1	31	1360587.2229	303.347	186.448	0.78	18.91			19.92		21.44	5.18
-987	7	26	1360763.3348	113.181	5.372	1.02	17.05	21.31	22.74	22.92	23.09	0.52	6.84
-985	6	6	1361443.3560	64.786	352.908	0.72	17.08	22.35		23.79		1.23	6.96
-984	11	18	1361974.3464	228.490	184.974	1.09	18.78	21.78	23.02	23.39	23.75	1.00	5.17
-981	9	18	1363008.2464	165.804	176.821	1.27	17.79	19.14	20.34	20.99	21.63	22.83	6.12
-980	3	13	1363185.3989	344.188	4.905	1.12	18.38	22.64	23.83	0.26	0.68	1.87	5.71
-980	9	6	1363362.2456	154.590	184.242	1.07	17.58	19.00	20.42	20.79	21.15	22.57	6.34
-978	7	17	1364041.3092	104.266	169.979	0.30	17.05	21.58		22.56		23.53	6.94
-977	1	11	1364219.1923	282.804	358.202	1.50	19.10			19.43	20.24	21.36	4.91
-977	7	7	1364396.0141	94.128	178.553	1.67	16.97			(15.39)	(16.20)	17.14	7.03
-977	12	31	1364573.1674	271.409	5.418	0.87	19.16			(18.79)		20.45	4.82
-976	6	26	1364750.6921	84.005	187.210	0.72	17.02	6.15		(7.58)			7.06
-975	11	9	1365252.2900	219.047	348.958	0.16	18.61	21.57		22.28		22.99	5.27
-974	5	6	1365429.6900	34.972	174.315	0.82	17.62	6.11		(7.75)			6.50
-973	10	19	1365961.4970	197.377	4.741	1.08	18.25	1.32	2.64	2.99	3.34	4.66	5.61
-972	4	13	1366138.1183	13.904	190.961	0.08	17.77			(17.62)		18.15	6.38
-971	3	4	1366463.3892	335.228	169.451	0.25	18.57	23.32		0.20		1.08	5.57
-970	8	17	1366994.1889	134.370	356.349	1.23	17.28	17.75	18.93	19.53	20.12	21.30	6.59
-969	2	12	1367172.5555	314.242	186.108	0.83	18.85	2.33		3.89			5.25
-969	8	7	1367348.6598	123.835	4.761	1.12	17.08	5.05	6.28	6.70			6.80
-967	6	17	1368028.6543	75.218	352.036	0.58	17.00	5.62		6.94			7.03
-967	12	10	1368205.1910	250.668	177.074	1.37	19.08			19.67	20.36	21.44	4.91
-966	6	6	1368383.0392	64.872	0.660	1.73	17.09			(16.06)	(16.93)	17.98	6.93
-965	5	26	1368737.1445	54.275	8.823	0.28	17.24	17.40		18.44		19.48	6.80
-963	4	4	1369416.0680	5.045	355.671	1.17	17.93			(16.59)	(17.10)	18.28	6.16
-963	9	29	1369593.5684	176.799	176.552	1.22	17.93	2.94	4.17	4.77	5.36		5.99
-962	9	18	1369947.5568	165.507	183.880	1.13	17.72	2.49	3.82	4.30	4.79	6.12	6.20
-960	2	2	1370450.4159	304.971	350.344	0.20	18.89	23.96		0.83		1.69	5.15
-960	7	28	1370626.6295	114.874	169.285	0.20	17.11	5.42		6.22			6.87
-959	1	22	1370804.5134	293.824	357.951	1.46	19.03	1.16	2.29	3.08	3.87		4.99
-959	7	17	1370981.3332	104.682	177.791	1.55	17.02	21.28	22.25	23.02	23.78	0.75	6.97
-958	1	10	1371158.4962	282.494	5.240	0.90	19.13	0.92		2.60		4.28	4.87
-956	11	9	1372192.3203	219.460	356.776	1.37	18.63	21.19	22.23	22.90	23.57	0.60	5.24
-955	5	5	1372369.0522	34.742	181.546	1.58	17.46			(16.31)	(17.14)	18.21	6.67
-954	4	24	1372723.4216	24.370	190.153	0.22	17.69	0.12		0.99		1.85	6.46
-952	3	4	1373403.4006	335.622	177.301	1.45	18.54	22.62	23.63	0.37	1.10	2.11	5.60
-952	8	28	1373579.5100	145.151	355.883	1.16	17.35	1.52	2.76	3.26	3.76	5.00	6.51
-949	12	22	1374790.5508	261.849	177.049	1.37	19.14	2.44	3.52	4.22			4.86
-948	6	16	1374968.3198	75.277	359.788	1.81	17.01	20.86	21.91	22.79	23.67	0.71	6.99
-947	6	5	1375322.4110	64.650	7.907	0.44	17.14	23.57		0.85		2.12	6.89
-945	4	15	1376001.3790	15.556	354.916	1.06	17.81	22.51	23.84	0.14	0.44	1.77	6.28
-941	7	29	1377566.6599	115.286	177.115	1.44	17.07	5.12	6.11	6.83			6.90
-940	7	17	1377921.3113	105.041	185.665	0.96	16.99	20.78		22.37		23.96	7.00
-938	5	27	1378600.2197	55.733	172.447	0.50	17.24	19.20		20.55		21.90	6.86
-937	5	16	1378954.3288	45.145	180.632	1.74	17.37	21.09	22.13	23.00	23.87	0.91	6.75
-937	11	10	1379132.2134	219.744	4.653	1.08	18.70		19.84	20.21	20.57	21.88	5.19
-933	3	5	1380343.1951	335.813	185.151	0.98	18.45			19.30		20.97	5.68
-933	8	28	1380519.3255	145.363	3.745	1.28	17.43	21.00	22.09	22.70	23.32	0.40	6.42
-931	7	8	1381199.2583	96.167	350.411	0.30	16.91	20.38		21.38		22.37	7.02
-930	6	28	1381553.5979	85.715	358.918	1.65	16.95	3.52	4.58	5.44	6.30		7.03

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-930	12	21	1381730.4579	262.146	184.920	1.11	19.11	0.26	1.47	1.87	2.26	3.48	4.90
-929	6	17	1381907.6752	75.051	6.983	0.60	17.06	5.72		(7.18)			6.96
-927	4	26	1382586.6875	26.027	354.115	0.93	17.69	6.06		(7.62)			6.40
-927	10	20	1382764.2330	198.954	176.257	1.16	18.37	18.99	20.29	20.81	21.32	22.62	5.56
-926	4	15	1382941.3692	15.926	2.779	1.46	17.84	22.07	23.06	23.79	0.52	1.51	6.27
-926	10	9	1383118.2054	187.531	183.433	1.21	18.15		19.38	19.97	20.56	21.81	5.77
-924	8	18	1383797.2939	136.276	168.165	0.03	17.36	21.83		22.16		22.48	6.56
-923	2	12	1383975.1424	315.639	357.271	1.34	18.75			(18.13)	18.85	20.02	5.30
-922	2	1	1384329.1459	304.464	4.737	1.00	18.93			(18.09)		19.82	5.11
-922	7	29	1384506.6274	115.634	184.997	1.06	17.04	4.29	5.62	5.93	6.24		6.93
-921	12	12	1385008.4116	252.728	348.937	0.16	18.98	0.34		1.05		1.77	4.94
-920	6	6	1385185.4863	66.111	171.524	0.34	17.18	1.82		2.96		4.09	6.91
-919	5	27	1385539.6094	55.532	179.736	1.80	17.30	3.85	4.89	5.76	6.64		6.82
-919	11	21	1385717.5748	230.958	4.657	1.08	18.77	3.18	4.50	4.86			5.12
-916	9	18	1386750.1711	166.950	355.172	1.04	17.79		18.94	19.21	19.48	20.88	6.07
-915	3	16	1386928.5053	346.482	184.564	1.08	18.35	1.10	2.45	2.82	3.18	4.53	5.77
-915	9	8	1387104.6697	156.236	3.369	1.34	17.49	5.29	6.34	(7.00)			6.35
-914	8	28	1387459.3428	145.764	11.588	0.09	17.45	22.47		23.01		23.56	6.39
-913	7	20	1387784.5655	106.705	349.683	0.17	16.91	3.95		4.72		5.49	7.01
-912	1	12	1387961.2583	284.094	176.836	1.34	19.12	19.27	20.36	21.03	21.70	22.78	4.94
-909	11	1	1389349.5674	210.110	176.160	1.14	18.50	3.05	4.36	4.85	5.35		5.43
-908	4	26	1389526.6833	26.413	1.949	1.59	17.72	5.66	(6.62)	(7.41)			6.38
-908	10	20	1389703.5347	198.638	183.282	1.24	18.29	2.06	3.29	3.91	4.53		5.64
-907	4	15	1389881.3879	16.335	10.592	0.21	17.86	23.31		0.13		0.95	6.24
-905	2	23	1390560.4431	326.442	356.785	1.25	18.63	23.51	0.73	1.37	2.01	3.24	5.43
-905	8	19	1390737.3243	136.700	175.962	1.25	17.33	21.11	22.19	22.78	23.36	0.44	6.59
-904	2	12	1390914.4591	315.352	4.350	1.07	18.82	23.84	1.24	1.60	1.96	3.36	5.23
-902	12	12	1391948.4331	253.144	356.736	1.36	19.02	23.75	0.79	1.46	2.13	3.17	4.91
-900	5	26	1392479.3196	55.646	187.523	0.66	17.21	21.30		22.69		0.08	6.92
-898	4	6	1393159.3638	7.493	175.334	1.13	18.00	22.05	23.28	23.71	0.15	1.37	6.15
-898	9	30	1393335.5138	177.953	354.947	1.01	17.88	1.83	3.37	3.48	3.60	5.14	5.98
-894	1	23	1394546.6079	295.130	176.646	1.31	19.11	3.61	4.71	(5.36)			4.97
-894	7	19	1394724.1682	106.699	357.352	1.37	17.00	17.19	18.33	19.06	19.80	20.94	6.92
-893	1	12	1394901.1914	284.408	184.726	1.14	19.08			19.30	19.75	20.92	5.00
-893	7	8	1395078.2184	95.925	5.278	0.90	16.99	18.47		20.17		21.86	6.96
-891	5	17	1395757.2977	46.896	352.397	0.67	17.30	21.00		22.38		23.76	6.78
-887	8	30	1397322.6663	147.513	175.518	1.18	17.43	5.37	(6.50)	(7.01)			6.48
-886	8	19	1397677.2697	137.027	183.850	1.24	17.31	19.62	20.76	21.35	21.93	23.07	6.61
-884	1	3	1398179.1504	275.076	348.801	0.14	19.08			(18.61)		19.29	4.91
-883	6	17	1398710.1737	76.341	177.952	1.50	17.03	17.44	18.51	19.30	20.10	21.17	7.04
-883	12	12	1398888.2921	253.383	4.633	1.08	19.08	20.26	21.60	21.95	22.30	23.64	4.86
-882	6	7	1399064.6228	66.058	186.651	0.81	17.16	4.48		5.97			6.96
-880	4	17	1399744.6717	18.006	174.539	0.99	17.92	5.58		(7.19)			6.23
-879	4	6	1400099.1025	7.633	183.145	1.31	17.90			(17.31)	17.99	19.14	6.23
-879	9	29	1400275.3736	178.207	2.826	1.43	17.95	22.26	23.28	23.99	0.71	1.72	5.90
-876	7	29	1401309.4556	117.280	356.630	1.24	17.03	0.11	1.32	1.95	2.57	3.78	6.87
-875	1	23	1401486.5484	295.461	184.510	1.18	19.06	2.17	3.31	3.81	4.31		5.02
-875	7	18	1401663.4930	106.438	4.473	1.04	16.99	0.95	2.46	2.73	2.99	4.50	6.94
-873	5	29	1402342.6013	57.317	351.507	0.53	17.19	4.44		5.69			6.87
-873	11	22	1402520.2453	232.489	176.072	1.12	18.88	19.29	20.64	21.10	21.56	22.90	5.08
-872	5	17	1402697.3087	47.297	0.221	1.86	17.32	20.76	21.69	22.53	23.36	0.29	6.75
-872	11	10	1402874.2086	220.967	183.138	1.27	18.70		19.46	20.11	20.76	21.97	5.25
-871	10	30	1403228.3478	209.643	190.607	0.07	18.47	22.83		23.33		23.83	5.46
-868	8	30	1404262.5998	147.827	183.408	1.30	17.42	3.54	4.65	5.29	5.94		6.49
-866	1	14	1404764.5160	286.177	348.667	0.13	19.04	2.68		3.31		3.94	4.97
-865	1	3	1405119.1692	275.478	356.631	1.34	19.12			(18.95)	19.61	20.66	4.88
-865	6	28	1405295.4625	86.779	177.115	1.36	17.02	0.38	1.50	2.21	2.92	4.04	7.03
-865	12	24	1405473.6486	264.557	4.596	1.08	19.10	4.73	(6.06)	(6.42)			4.85
-862	10	21	1406506.2133	200.151	354.671	0.97	18.35	18.73		20.35		21.98	5.53
-861	4	17	1406684.3937	18.121	182.356	1.45	17.80	22.53	23.62	0.39	1.16	2.25	6.33
-860	9	29	1407215.4004	178.619	10.654	0.73	17.97	23.69		0.53		1.37	5.87
-858	2	13	1407717.2889	317.001	176.014	1.22	18.79	19.95	21.10	21.66	22.22	23.36	5.32
-855	12	3	1409105.5859	243.683	176.045	1.12	18.99	3.42	4.77	(5.22)			4.98
-854	5	29	1409282.6216	57.717	359.347	1.79	17.22	4.30	5.23	6.06			6.84

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-854	11	22	1409459.5508	232.161	183.115	1.27	18.82	2.44	3.65	4.30	4.95		5.14
-853	5	18	1409637.3116	47.680	8.074	0.59	17.35	21.16		22.48		23.79	6.72
-851	3	27	1410316.3121	358.404	354.903	0.92	18.08	20.72		22.43		0.14	5.99
-851	9	20	1410493.3632	169.365	174.848	1.07	17.83	22.22	23.50	23.82	0.15	1.42	6.06
-850	3	16	1410670.3716	347.562	2.768	1.36	18.30	21.78	22.92	23.64	0.36	1.50	5.77
-847	1	14	1411704.5277	286.583	356.479	1.31	19.07	1.78	2.84	3.48	4.12		4.94
-846	6	28	1412235.2335	86.950	184.952	1.09	16.96	18.95	20.22	20.59	20.96	22.23	7.08
-844	5	8	1412915.2787	38.910	172.852	0.71	17.48	20.46		21.89		23.33	6.66
-844	11	1	1413091.5684	211.326	354.601	0.96	18.43	3.28		4.90			5.44
-843	4	28	1413269.6766	28.573	181.497	1.59	17.71	5.36	6.42	(7.26)			6.43
-843	10	21	1413446.0986	200.431	2.553	1.48	18.41			(17.48)	(18.21)	19.21	5.45
-840	2	25	1414302.6232	327.824	175.589	1.15	18.73	4.03	5.23	(5.71)			5.40
-840	8	20	1414480.0515	138.624	355.441	1.03	17.37			(16.26)	(16.49)	18.00	6.51
-839	2	13	1414657.2533	317.347	183.894	1.28	18.75	19.02	20.08	20.69	21.29	22.36	5.38
-839	8	9	1414834.0655	127.628	3.105	1.28	17.24			(16.44)	(17.11)	18.32	6.64
-837	6	19	1415513.2193	78.170	349.796	0.28	16.95	19.57		20.50		21.43	7.04
-835	5	29	1416222.6161	58.090	7.209	0.72	17.25	4.38		5.81			6.82
-833	4	8	1416901.5910	8.926	354.145	0.79	17.95	3.59		5.22			6.13
-832	3	27	1417255.6667	358.157	2.103	1.48	18.17	4.92	(6.01)	(6.81)			5.91
-832	9	20	1417433.2721	169.653	182.742	1.41	17.83	19.73	20.79	21.52	22.24	23.30	6.07
-830	2	4	1417935.2291	308.197	348.171	0.05	18.83	19.92		20.33		20.75	5.23
-829	7	20	1418466.0518	107.793	175.562	1.11	17.05			(16.29)	(16.71)	18.01	6.92
-828	1	14	1418644.3446	286.780	4.357	1.11	19.10	21.24	22.53	22.96	23.39	0.68	4.91
-828	7	9	1418820.5461	97.445	184.170	1.22	16.98	2.37	3.50	4.06	4.61	5.74	7.04
-826	5	20	1419500.5791	49.322	171.985	0.57	17.41	3.83		5.15		6.46	6.72
-825	11	1	1420031.4687	211.607	2.503	1.48	18.48	0.65	1.64	2.38	3.12	4.11	5.38
-824	10	21	1420386.1284	200.843	10.374	0.27	18.44			(18.08)		18.99	5.42
-822	8	31	1421065.3565	149.408	354.952	0.94	17.46	21.91		23.61		1.31	6.41
-821	2	25	1421242.5962	328.193	183.454	1.35	18.69	3.25	4.28	4.94			5.44
-821	8	20	1421419.3602	138.331	2.523	1.38	17.32	21.63	22.78	23.53	0.28	1.43	6.56
-820	2	14	1421597.2806	317.760	191.712	0.04	18.72	20.85		21.23		21.62	5.40
-820	8	8	1421773.4778	127.441	10.416	0.08	17.19	1.66		2.22		2.78	6.70
-819	6	30	1422098.5309	88.639	348.968	0.15	16.90	3.25		3.95		4.65	7.07
-819	12	24	1422776.2603	266.018	175.921	1.09	19.16	19.45	20.84	21.25	21.65	23.04	4.86
-818	6	19	1422453.2474	78.583	357.618	1.52	16.98	19.33	20.30	21.06	21.82	22.80	7.01
-818	12	13	1422630.2345	254.545	183.053	1.29	19.07		19.92	20.58	21.25	22.44	4.92
-817	12	2	1422984.4193	243.259	190.605	0.09	18.93	0.42		0.97		1.53	5.04
-815	10	12	1423664.0820	191.485	174.495	1.01	18.27			(17.17)	(17.28)	18.74	5.64
-814	10	2	1424018.6159	180.671	182.527	1.44	17.96	4.02	5.08	5.82			5.95
-813	3	27	1424195.3233	358.206	9.830	0.27	18.15	21.50		22.45		23.39	5.95
-811	2	4	1424875.2333	308.588	356.007	1.23	18.85		19.76	20.33	20.90	22.02	5.20
-811	7	30	1425051.3558	118.385	174.882	1.00	17.12	21.91		23.57		1.23	6.83
-809	7	10	1425760.5558	97.841	192.011	0.03	16.95	3.85		4.18		4.52	7.08
-808	11	22	1426262.2918	233.740	354.584	0.96	18.84	20.62		22.22		23.83	5.07
-807	5	19	1426440.2367	49.379	179.722	1.80	17.30	18.88	19.93	20.81	21.69	22.73	6.82
-806	5	8	1426794.3248	38.764	187.857	0.45	17.43	21.45		22.74		0.03	6.69
-806	11	1	1426971.4980	212.026	10.313	0.27	18.51	2.06		2.97		3.89	5.35
-804	3	17	1427473.2721	349.262	174.463	0.98	18.29	19.81		21.40		22.99	5.86
-804	9	11	1427650.6656	160.271	354.529	0.86	17.56	5.42		(7.07)			6.31
-803	8	31	1428004.6601	149.112	2.009	1.47	17.41	4.84	5.96	(6.76)			6.46
-802	2	25	1428182.6190	328.599	191.263	0.11	18.66	4.78		5.38			5.47
-800	1	5	1428861.5896	277.137	175.777	1.07	19.18	3.28	4.71	(5.06)			4.85
-800	6	30	1429038.5603	89.060	356.774	1.39	16.93	2.84	3.86	4.54	5.23	6.25	7.04
-800	12	24	1429215.5718	265.711	182.970	1.30	19.13	2.74	3.91	4.59			4.88
-799	6	19	1429393.2193	78.947	5.471	0.99	17.02	18.66		20.27		21.87	6.97
-797	4	29	1430072.1324	29.838	352.441	0.49	17.53			18.37		19.72	6.55
-797	10	23	1430249.4450	202.633	174.392	0.99	18.39	0.35		1.92		3.48	5.52
-796	4	17	1430426.2412	19.191	0.559	1.75	17.74	18.85	19.89	20.77	21.64	22.68	6.34
-795	4	7	1430780.6316	8.771	9.103	0.39	18.02	4.81		5.93			6.07
-795	10	1	1430958.1948	180.640	190.124	0.07	18.01	19.05		19.57		20.10	5.91
-793	2	16	1431460.5772	319.483	355.663	1.18	18.75	2.91	4.08	4.59	5.09		5.31
-793	8	11	1431636.6677	129.040	174.285	0.90	17.21	5.45		(7.05)			6.74
-792	7	30	1431991.1845	118.599	182.772	1.44	17.10	17.59	18.60	19.33	20.06	21.07	6.84
-790	6	10	1432671.1745	70.140	170.235	0.27	17.10	18.51		19.46		20.41	6.99

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-789	5	31	1433025.5137	59.764	178.822	1.64	17.23	1.56	2.62	3.48	4.34	5.40	6.88
-789	11	23	1433202.2142	234.045	2.482	1.49	18.89		19.50	20.24	20.98	21.96	5.01
-788	5	19	1433379.5913	49.144	186.940	0.61	17.34	3.71		5.18		6.64	6.77
-786	3	29	1434058.5920	359.875	173.807	0.88	18.20	3.62		5.15			5.94
-785	3	18	1434413.2648	349.636	182.330	1.53	18.25	19.38	20.35	21.11	21.86	22.84	5.90
-784	8	30	1434944.1053	148.946	9.389	0.26	17.56			(17.32)		18.30	6.30
-781	7	1	1435978.5243	89.406	4.657	1.12	16.97	1.89	3.13	3.56	3.99	5.23	7.00
-779	5	9	1436657.4008	40.239	351.552	0.34	17.40	23.73		0.88		2.02	6.67
-778	4	29	1437011.5267	29.637	359.733	1.80	17.62	1.79	2.82	3.70	4.57	5.60	6.47
-778	10	23	1437189.3153	202.883	182.287	1.47	18.39	20.87	21.93	22.69	23.45	0.50	5.53
-777	10	13	1437543.5268	191.696	189.958	0.09	18.15	2.98		3.59		4.19	5.77
-774	2	15	1438400.3426	319.642	3.486	1.25	18.75	21.04	22.21	22.83	23.45	0.62	5.32
-774	8	11	1438576.5096	129.278	182.156	1.54	17.19	1.37	2.36	3.13	3.90	4.88	6.74
-773	7	31	1438931.2028	119.011	190.586	0.25	17.07	18.79		19.66		20.53	6.87
-772	6	20	1439256.4694	80.575	169.364	0.12	17.08	1.87		2.52		3.16	6.99
-771	12	4	1439787.5854	245.280	2.462	1.49	18.93	3.37	4.35	(5.09)			4.97
-770	11	23	1440142.2420	234.468	10.275	0.27	18.92	19.87		20.79		21.71	4.97
-768	10	2	1440821.3041	182.202	353.936	0.75	18.02	20.92		22.50		0.08	5.86
-767	3	29	1440998.5898	0.265	181.644	1.64	18.18	3.24	4.19	4.99	5.78		5.98
-767	9	21	1441175.2841	170.892	1.248	1.60	17.85	19.89	20.98	21.83	22.68	23.77	6.02
-766	3	18	1441353.2801	350.043	190.153	0.27	18.22	20.43		21.36		22.29	5.92
-766	9	10	1441529.4287	159.816	8.985	0.34	17.65	0.04		1.13		2.21	6.21
-764	1	26	1442032.2389	299.193	175.350	0.99	19.00			20.52		22.27	5.07
-764	7	21	1442209.2012	110.127	355.269	1.15	17.01	18.23	19.40	19.86	20.32	21.49	6.88
-763	1	14	1442386.2427	287.899	182.705	1.36	19.07		19.81	20.53	21.25	22.40	4.99
-762	1	3	1442740.4865	276.784	190.477	0.13	19.11	1.67		2.34		3.01	4.93
-761	5	21	1443242.6684	50.621	350.642	0.18	17.28	6.48		(7.34)			6.79
-761	11	14	1443420.1850	225.028	174.357	0.98	18.79			19.68		21.25	5.15
-759	4	28	1443951.2462	29.746	7.541	0.66	17.60	19.46		20.84		22.23	6.49
-757	3	9	1444631.2420	341.053	354.708	1.02	18.37	19.01	20.45	20.62	20.80	22.24	5.72
-757	9	1	1444807.3100	150.579	173.304	0.74	17.55	21.02		22.51		24.00	6.37
-756	2	27	1444985.6623	330.445	3.046	1.33	18.63	4.71	(5.85)	(6.53)			5.44
-755	8	11	1445516.5349	129.688	189.986	0.34	17.16	2.62		3.63		4.63	6.77
-754	12	25	1446018.3783	267.348	354.528	0.97	19.09	22.48		0.08		1.67	4.88
-753	6	21	1446196.0638	80.568	177.021	1.32	17.00			(16.67)	17.36	18.53	7.05
-752	6	9	1446550.1204	69.906	185.066	0.94	17.03			17.91		19.62	7.05
-752	12	4	1446727.6160	245.695	10.277	0.27	18.96	4.79		(5.71)			4.94
-750	4	19	1447229.2180	20.945	172.286	0.65	17.75	18.98		20.34		21.70	6.40
-750	10	14	1447406.6327	193.260	353.752	0.72	18.13	4.88		(6.43)			5.76
-749	10	3	1447760.6081	181.884	0.993	1.65	17.96	3.72	4.80	5.66			5.92
-748	3	29	1447938.6030	0.661	189.493	0.37	18.14	4.11		5.19			6.01
-746	2	6	1448617.5512	310.129	175.002	0.93	18.94	2.28		3.99			5.15
-746	8	2	1448794.5244	120.750	354.583	1.04	17.03	2.02	3.36	3.60	3.84	5.18	6.84
-745	1	26	1448971.5685	298.915	182.455	1.40	19.03	2.42	3.55	4.30			5.04
-745	7	22	1449149.1382	110.456	3.140	1.36	17.05		17.54	18.23	18.92	19.99	6.84
-743	11	25	1450005.5537	236.260	174.347	0.97	18.90	2.94		4.50			5.05
-742	5	20	1450182.0923	50.462	357.980	1.51	17.24			17.37	18.17	19.24	6.81
-741	5	10	1450536.5480	40.191	6.681	0.80	17.49	2.66		4.14		5.63	6.60
-741	11	3	1450714.1990	213.966	189.754	0.12	18.57	19.08		19.77		20.46	5.37
-739	3	20	1451216.5630	351.733	354.102	0.92	18.25	2.84		4.40			5.84
-739	9	12	1451392.6404	161.465	172.927	0.69	17.67	5.05		(6.48)			6.24
-738	9	1	1451747.1817	150.846	181.181	1.70	17.54		18.49	19.30	20.12	21.07	6.36
-735	7	1	1452781.3423	91.002	176.170	1.17	17.00	21.52	22.79	23.32	23.86	1.13	7.03
-735	12	25	1452958.3307	267.680	2.407	1.50	19.13	21.09	22.07	22.81	23.56	0.54	4.83
-734	6	20	1453135.3888	80.301	184.165	1.09	17.00	22.53	23.92	0.33	0.75	2.13	7.06
-732	4	30	1453814.5290	31.410	171.465	0.53	17.67	2.63		3.88		5.12	6.48
-731	4	19	1454169.2337	21.340	180.133	1.88	17.72	18.84	19.77	20.60	21.44	22.37	6.44
-730	10	2	1454700.1032	181.759	8.460	0.43	18.11			(17.42)		18.62	5.76
-727	8	1	1455734.4520	121.060	2.479	1.46	17.09	23.95	0.99	1.74	2.50	3.54	6.80
-726	1	25	1455911.1814	298.906	190.127	0.20	18.93			(18.89)		19.72	5.16
-724	5	30	1456767.3776	60.855	357.096	1.36	17.14	22.41	23.52	0.24	0.95	2.06	6.90
-724	11	24	1456945.3840	236.469	182.228	1.47	18.89	22.47	23.54	0.30	1.07	2.13	5.07
-723	11	14	1457299.5407	225.146	189.716	0.12	18.69	3.26		3.96		4.65	5.26
-720	3	19	1458156.2766	351.834	1.897	1.52	18.21	19.52	20.59	21.40	22.21	23.28	5.87

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-720	9	12	1458332.5290	161.736	180.826	1.75	17.65	1.91	2.86	3.68	4.50	5.45	6.25
-719	3	8	1458510.3758	340.976	9.793	0.10	18.44	22.92		23.57		0.21	5.64
-719	9	1	1458687.2122	151.259	189.002	0.48	17.51	18.75		19.93		21.10	6.38
-717	7	13	1459366.6199	101.485	175.341	1.02	17.03	4.22	5.77	5.96	6.15		6.98
-716	7	1	1459720.6567	90.735	183.274	1.25	16.99	4.87	6.10	6.74			7.05
-716	12	25	1459898.3560	268.101	10.204	0.28	19.17	22.38		23.31		0.23	4.80
-714	11	4	1460577.2991	215.526	353.519	0.67	18.57	20.96		22.48		24.00	5.32
-713	5	1	1460754.5473	31.820	179.785	1.78	17.65	2.44	3.37	4.20	5.03	5.97	6.51
-713	10	24	1460931.2706	204.056	0.661	1.70	18.42	19.70	20.78	21.64	22.51	23.58	5.47
-712	4	19	1461109.2304	21.729	187.975	0.60	17.69	19.08		20.41		21.74	6.47
-712	10	12	1461285.4467	192.836	8.282	0.47	18.21	0.47		1.71		2.95	5.66
-710	2	27	1461788.1593	331.771	174.083	0.78	18.54			18.63		20.24	5.57
-710	8	23	1461965.1887	142.189	353.449	0.85	17.38	18.08		19.56		21.05	6.47
-709	2	16	1462142.2076	320.728	181.751	1.53	18.69		18.80	19.62	20.43	21.51	5.41
-708	2	6	1462496.5202	309.872	189.832	0.25	18.89	2.07		3.00		3.92	5.21
-707	12	16	1463176.2955	259.693	174.351	0.97	19.14	20.59		22.16		23.73	4.87
-706	6	11	1463352.6648	71.257	356.222	1.22	17.05	5.35	6.55	(7.13)			6.98
-705	5	31	1463707.1578	61.025	4.955	1.09	17.15	17.20	18.46	18.84	19.21	20.47	6.89
-703	4	10	1464387.1934	12.886	352.731	0.69	17.82	18.28		19.70		21.17	6.28
-703	10	3	1464563.3283	183.440	172.453	0.62	18.09	21.73		23.09		0.46	5.82
-702	3	31	1464741.5746	2.422	1.223	1.64	18.08	2.74	3.79	4.64	5.49		6.00
-701	3	20	1465095.6663	351.620	9.165	0.21	18.30	5.70		(6.61)			5.77
-701	9	13	1465272.5608	162.153	188.641	0.54	17.63	3.10		4.34		5.57	6.27
-699	1	26	1465774.4413	300.603	354.085	0.91	18.95	23.82		1.38		2.93	5.08
-696	5	21	1466985.1440	52.277	169.720	0.27	17.28	17.81		18.73		19.64	6.85
-696	11	15	1467162.6379	226.704	353.466	0.66	18.67	5.08		(6.59)			5.24
-695	11	4	1467516.6101	215.208	0.581	1.72	18.52	3.87	4.94	(5.81)			5.37
-694	5	1	1467694.5391	32.193	187.153	0.73	17.61	2.45		3.89		5.32	6.54
-692	3	9	1468373.4548	342.478	173.515	0.68	18.44	0.25		1.78		3.31	5.67
-692	9	3	1468550.5302	153.014	353.011	0.78	17.44	2.35		3.79		5.23	6.40
-691	2	27	1468727.5205	331.524	181.291	1.62	18.61	1.26	2.32	3.16	4.01	5.07	5.50
-691	8	23	1468905.0892	142.472	1.348	1.64	17.44			(17.06)	17.88	18.89	6.42
-690	8	12	1469259.3723	131.729	9.533	0.18	17.26	22.85		23.69		0.54	6.62
-687	6	10	1470292.4610	71.451	4.072	1.24	17.07	0.42	1.54	2.11	2.68	3.80	6.95
-687	12	5	1470470.2716	247.543	189.645	0.13	18.99	19.48		20.20		20.92	4.99
-685	4	21	1470972.4973	23.390	351.938	0.56	17.69	1.77		3.07		4.38	6.40
-684	10	3	1471503.2380	183.743	180.326	1.83	18.09	19.03	19.98	20.80	21.63	22.57	5.82
-681	8	3	1472537.1896	122.604	173.876	0.75	17.18	18.02		19.60		21.18	6.77
-680	1	27	1472714.4175	300.970	1.927	1.59	18.98	22.95	23.91	0.69	1.46	2.42	5.06
-680	7	22	1472891.2085	111.729	181.660	1.54	17.05	17.99	19.10	19.93	20.76	21.87	6.92
-679	7	11	1473245.3494	101.034	189.769	0.20	16.95	22.36		23.21		0.06	7.05
-678	6	1	1473570.4531	62.693	168.846	0.14	17.24	1.49		2.15		2.82	6.88
-677	5	22	1473925.1747	52.687	177.553	1.51	17.25	17.62	18.59	19.35	20.10	21.08	6.88
-676	11	3	1474456.1552	215.127	8.138	0.50	18.66			18.76		20.03	5.23
-673	9	3	1475490.4169	153.284	0.913	1.71	17.52	23.11	0.12	0.96	1.80	2.80	6.34
-672	2	27	1475667.1889	331.575	189.045	0.40	18.50			19.09		20.21	5.63
-672	8	23	1475844.6755	142.446	8.988	0.27	17.33	5.98		(6.99)			6.54
-670	7	2	1476523.2457	92.135	354.524	0.94	16.93	19.39		21.02		22.65	7.02
-670	12	27	1476701.4458	270.044	182.150	1.48	19.14	23.71	0.78	1.56	2.33	3.40	4.88
-669	12	17	1477055.5616	258.721	189.604	0.13	19.06	3.55		4.28			4.93
-668	6	10	1477237.4748	71.845	11.917	0.05	17.10	1.94		2.33		2.73	6.92
-666	4	21	1477912.1495	23.436	359.667	1.78	17.66		17.72	18.60	19.48	20.53	6.42
-666	10	15	1478088.6018	194.837	180.193	1.85	18.20	3.81	4.75	5.58			5.70
-665	4	10	1478266.2263	12.724	7.679	0.47	17.87	18.90		20.23		21.55	6.21
-665	10	4	1478443.2703	184.159	188.140	0.61	18.06	20.17		21.47		22.77	5.84
-663	2	17	1478945.1257	327.453	353.433	0.82	18.63			(17.79)		19.28	5.44
-663	8	13	1479122.4833	133.254	173.260	0.64	17.28	1.17		2.65		4.14	6.66
-662	8	2	1479476.4944	122.308	180.962	1.66	17.13	0.83	1.91	2.78	3.65	4.73	6.83
-661	1	27	1479654.4391	301.375	9.756	0.34	19.01	0.07		1.09		2.11	5.03
-661	7	23	1479830.6461	111.567	189.035	0.32	17.00	5.24		6.31			6.98
-660	12	6	1480333.3135	249.093	353.367	0.64	19.00	21.21		22.71		0.20	4.94
-659	6	1	1480510.4838	63.114	176.652	1.37	17.21	1.08	2.10	2.78	3.46	4.48	6.92
-659	11	25	1480687.2943	237.592	0.489	1.74	18.91	20.25	21.31	22.18	23.04	0.11	5.01
-658	5	22	1480865.1438	53.048	185.415	1.00	17.21		18.46	18.49	18.52	20.10	6.92

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-658	11	15	1481041.5114	226.333	8.101	0.51	18.73	2.03		3.30		4.58	5.16
-656	9	24	1481721.2259	174.889	352.357	0.67	17.90	19.23		20.59		21.95	5.95
-655	3	20	1481898.1272	352.902	180.117	1.83	18.16			(17.85)	18.73	19.76	5.96
-654	3	10	1482252.5124	342.323	188.508	0.49	18.42	1.68		2.91		4.14	5.72
-652	1	18	1482932.3780	292.102	174.038	0.91	19.10	22.35		23.90		1.45	4.98
-652	7	13	1483108.5413	102.635	353.776	0.81	16.92	2.54		4.08		5.63	7.01
-651	7	2	1483463.0784	92.366	2.394	1.51	16.98			(16.88)	17.64	18.63	6.96
-649	5	13	1484143.0991	44.273	350.278	0.27	17.30			17.64		18.60	6.77
-649	11	5	1484319.3978	216.846	172.194	0.59	18.64	23.52		0.84		2.17	5.29
-648	5	1	1484497.4309	33.873	358.826	1.64	17.53	23.51	0.57	1.43	2.28	3.35	6.55
-647	4	21	1484851.5004	23.193	6.860	0.62	17.74	1.41		2.89		4.36	6.34
-647	10	15	1485028.6338	195.253	188.001	0.63	18.18	4.92		(6.23)			5.73
-645	2	28	1485530.4616	333.265	352.996	0.75	18.52	0.44		1.88		3.32	5.56
-644	2	18	1485885.1213	327.830	1.283	1.69	18.66			(17.56)	(18.37)	19.31	5.42
-641	12	7	1487272.6394	248.789	0.463	1.74	18.97	4.47	(5.53)	(6.39)			4.96
-640	6	1	1487450.4448	63.459	184.538	1.14	17.16	0.04	1.26	1.72	2.18	3.40	6.96
-638	4	11	1488129.3034	14.202	171.349	0.30	17.88	21.31		22.39		23.48	6.25
-638	10	6	1488306.5828	185.927	352.152	0.63	17.98	3.87		5.21			5.87
-637	3	31	1488483.4250	3.490	179.431	1.75	18.07	23.18	0.22	1.09	1.95	2.99	6.07
-637	9	25	1488661.0841	175.129	0.251	1.81	17.97			(17.07)	(17.93)	18.93	5.89
-636	9	13	1489015.2956	164.108	8.107	0.41	17.76	20.72		21.95		23.18	6.11
-633	1	18	1489872.1326	292.240	181.872	1.52	19.02			(17.88)	(18.68)	19.75	5.05
-633	7	13	1490048.3941	102.875	1.621	1.63	16.97	22.65	23.62	0.42	1.22	2.19	6.95
-632	1	7	1490226.2281	280.986	189.376	0.17	19.07	19.28		20.11		20.94	4.97
-632	7	2	1490403.1028	92.772	10.227	0.31	17.01			17.35		18.31	6.92
-631	5	23	1490728.3943	54.686	349.405	0.12	17.19	0.09		0.75		1.41	6.87
-630	5	13	1491082.7073	44.283	357.943	1.48	17.40	6.22	(7.31)	(8.11)			6.67
-630	11	5	1491259.3402	217.176	180.068	1.87	18.63	21.58	22.52	23.34	0.16	1.10	5.30
-627	9	4	1492293.0866	154.775	172.248	0.46	17.65			(17.20)		18.49	6.27
-626	2	28	1492470.4634	333.653	0.833	1.76	18.55	0.05	0.99	1.81	2.63	3.57	5.54
-626	8	24	1492647.0845	143.675	179.776	1.78	17.45			(16.97)	17.86	18.93	6.47
-625	2	18	1492825.1337	323.229	9.113	0.43	18.68			(17.75)		18.89	5.40
-625	8	13	1493001.2577	132.822	187.757	0.55	17.24	19.64		20.98		22.32	6.68
-623	6	23	1493681.1085	83.992	174.921	1.10	17.00		17.36	17.74	18.12	19.35	7.05
-622	12	6	1494212.2332	248.761	8.094	0.52	19.07	19.25		20.53		21.81	4.86
-620	4	22	1494714.5769	24.669	170.509	0.16	17.77	4.23		5.04		5.84	6.35
-619	10	5	1495246.4253	186.154	0.035	1.84	18.07	23.45	0.46	1.31	2.17	3.18	5.80
-618	3	31	1495423.1505	3.607	187.242	0.71	17.97			18.38		19.80	6.18
-618	9	25	1495600.6144	175.046	7.786	0.46	17.86	4.36		5.66			6.01
-616	8	3	1496279.1546	123.790	352.337	0.59	17.13	17.41		18.77		20.12	6.74
-615	1	28	1496457.4673	303.245	181.635	1.56	18.98	24.00	1.06	1.87	2.69	3.75	5.11
-615	7	24	1496633.7131	113.439	0.895	1.75	16.97	6.27	(7.22)	(8.05)			6.93
-614	1	18	1496811.5546	292.043	189.183	0.20	19.05	2.97		3.87		4.77	5.01
-614	7	13	1496988.4211	103.289	9.443	0.42	17.00	23.84		0.96		2.07	6.92
-613	11	27	1497490.1243	239.281	172.175	0.59	18.99			(18.22)		19.55	4.98
-611	5	12	1498022.0347	44.031	5.073	0.93	17.35			(15.84)		17.55	6.71
-611	11	5	1498199.3667	217.596	187.858	0.64	18.60	22.53		23.86		1.20	5.33
-609	3	22	1498701.1141	354.686	351.860	0.58	18.10			(17.67)		18.97	5.99
-609	9	15	1498878.3949	165.651	171.844	0.38	17.79	23.45		0.65		1.85	6.13
-608	9	3	1499232.3879	154.475	179.290	1.70	17.58	22.35	23.42	0.30	1.17	2.24	6.34
-607	2	28	1499410.4689	334.050	8.656	0.50	18.57	0.60		1.83		3.05	5.51
-607	8	24	1499586.5716	143.563	187.218	0.64	17.35	3.12		4.54		5.96	6.57
-605	1	8	1500089.3121	282.521	353.055	0.59	19.07	20.98		22.42		23.87	4.93
-605	7	4	1500266.4208	94.475	174.086	0.96	17.02	23.66		1.20		2.75	7.01
-605	12	28	1500443.3218	271.133	0.325	1.77	19.13	20.68	21.74	22.60	23.47	0.52	4.85
-604	6	23	1500621.0415	84.318	182.796	1.41	16.96			(16.01)	(16.74)	17.79	7.08
-604	12	17	1500797.5914	259.968	8.059	0.53	19.09	3.75		(5.04)			4.85
-602	10	27	1501477.3073	208.173	351.924	0.59	18.44	21.37		22.67		23.97	5.43
-600	4	10	1502008.4641	14.157	186.516	0.83	17.88	0.48		1.99		3.49	6.27
-598	2	19	1502688.4156	324.948	173.150	0.76	18.72	23.29		0.76		2.22	5.40
-598	8	14	1502864.4714	134.464	351.751	0.50	17.19	1.11		2.37		3.64	6.67
-597	8	4	1503219.0383	124.060	0.239	1.85	17.20			(15.85)	(16.68)	17.63	6.66
-595	12	7	1504075.4905	250.501	172.182	0.60	19.08	1.61		2.94		4.27	4.90
-594	6	3	1504253.2524	65.065	356.123	1.16	17.08	19.44	20.72	21.24	21.77	23.05	6.95

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-593	5	23	1504607.3010	54.414	4.161	1.10	17.24	20.46	21.84	22.26	22.68	0.07	6.81
-591	4	1	1505286.4355	5.293	351.198	0.49	17.99	0.27		1.47		2.67	6.11
-590	3	22	1505641.1301	355.083	359.694	1.84	18.13			(17.94)	19.77	19.71	5.97
-590	9	15	1505817.7013	165.343	178.909	1.63	17.71	5.93	(7.01)	(7.87)			6.21
-587	1	19	1506674.6376	293.570	352.862	0.55	19.01	4.76		(6.17)			5.00
-586	1	8	1507028.6610	282.247	0.212	1.79	19.10	4.74	(5.79)	(6.66)			4.89
-586	7	4	1507206.3432	94.781	181.985	1.54	16.98	21.41	22.43	23.22	0.02	1.04	7.04
-585	6	24	1507560.6792	84.351	190.514	0.03	16.99	6.82		(7.17)			7.07
-583	5	2	1508239.2953	34.954	177.023	1.35	17.53	20.39	21.50	22.21	22.91	0.02	6.61
-583	10	27	1508417.1189	208.375	359.781	1.80	18.53			(18.03)	18.88	19.90	5.36
-582	10	16	1508771.2669	197.120	7.346	0.53	18.33	20.04		21.41		22.79	5.56
-579	2	19	1509628.1147	325.042	180.916	1.68	18.61			(17.41)	(18.27)	19.32	5.50
-579	8	14	1509804.3664	134.754	359.633	1.83	17.25	21.95	22.89	23.73	0.56	1.50	6.60
-578	2	8	1509982.1884	313.963	188.576	0.31	18.76			19.02		20.12	5.33
-578	8	4	1510159.0684	124.485	8.043	0.64	17.23			(16.46)		17.78	6.63
-576	6	14	1510838.5225	75.462	355.204	1.00	17.00	1.99		3.72		5.45	7.01
-576	12	7	1511015.4573	250.860	180.030	1.88	19.05	0.26	1.20	2.02	2.84	3.78	4.93
-575	6	3	1511192.5645	64.799	3.222	1.26	17.14	2.73	3.95	4.60	5.25	6.47	6.90
-572	4	1	1512226.4571	5.695	359.026	1.74	18.01	0.11	1.05	1.87	2.69	3.63	6.09
-571	3	22	1512581.1254	355.460	7.549	0.67	18.15			(17.72)		19.10	5.95
-571	9	14	1512757.2271	165.251	186.427	0.78	17.75	18.84		20.36		21.88	6.15
-569	7	26	1513437.0601	115.566	172.607	0.72	17.13			(16.49)		17.89	6.82
-568	7	15	1513791.6470	105.287	181.215	1.67	17.01	4.65	5.65	6.48			6.99
-567	1	7	1513968.3070	282.270	7.925	0.57	19.14	20.73		22.04		23.36	4.86
-565	5	14	1514824.5835	45.372	176.157	1.21	17.45	3.41	4.60	5.17	5.74		6.68
-565	11	7	1515002.4714	219.547	359.733	1.79	18.61	0.62	1.64	2.49	3.35	4.37	5.28
-564	5	2	1515179.0804	35.178	184.888	1.10	17.44			(16.92)	(17.32)	18.56	6.71
-564	10	27	1515356.6009	208.234	7.224	0.55	18.43	4.06		(5.46)			5.46
-562	9	5	1516035.1232	156.035	350.791	0.35	17.61			18.08		19.16	6.25
-561	3	2	1516213.4286	335.825	180.441	1.76	18.52	23.07	0.12	0.99	1.86	2.90	5.60
-561	8	26	1516389.7031	145.512	359.121	1.75	17.30	6.07	(7.01)	(7.83)			6.54
-560	2	19	1516567.4966	324.813	198.158	0.38	18.67	1.23		2.44		3.65	5.43
-560	8	14	1516744.4003	135.173	7.453	0.72	17.27	23.04		0.43		1.82	6.58
-559	12	29	1517246.2167	272.880	172.105	0.60	19.17			20.20		21.52	4.87
-557	12	8	1517955.4799	251.268	187.848	0.64	19.01	1.11		2.45		3.78	4.97
-555	4	23	1518457.0648	26.352	349.674	0.26	17.56			(16.73)		17.63	6.53
-555	10	17	1518634.3601	198.676	171.120	0.25	18.36	22.97		23.96		0.95	5.57
-554	10	6	1518988.3464	187.300	178.359	1.54	18.14	21.54	22.64	23.46	0.28	1.37	5.78
-553	4	2	1519166.4417	6.071	6.868	0.77	18.03	23.92		1.39		2.85	6.07
-553	9	26	1519342.5627	176.216	186.135	0.83	17.88	2.91		4.47		6.02	6.03
-551	2	9	1519845.2687	315.476	352.242	0.45	18.75	19.97		21.26		22.55	5.30
-551	8	5	1520022.3828	126.201	171.942	0.61	17.21	22.92		0.23		1.55	6.72
-550	1	29	1520199.3242	304.311	359.787	1.79	18.93	20.56	21.60	22.47	23.34	0.38	5.11
-549	7	15	1520731.2400	105.284	188.849	0.30	16.97	19.51		20.57		21.64	7.01
-548	11	28	1521233.4073	241.807	351.836	0.56	18.89	23.72		1.00		2.29	5.02
-546	5	13	1521764.3849	45.572	184.014	1.25	17.38	22.59	23.69	0.28	0.86	1.97	6.77
-544	3	23	1522444.3908	357.134	171.532	0.49	18.20	23.11		0.34		1.58	5.94
-544	9	15	1522620.4611	166.932	350.444	0.30	17.69	1.23		2.24		3.24	6.16
-543	9	5	1522975.0460	156.345	358.691	1.68	17.66			(16.10)	(16.91)	17.86	6.18
-540	1	10	1523831.5772	284.008	172.012	0.59	19.19	3.45		4.76			4.87
-540	7	5	1524009.0715	96.315	353.479	0.69	16.95			(16.85)		18.37	6.99
-540	12	29	1524186.2016	273.247	179.963	1.87	19.14			19.71	20.53	21.47	4.91
-539	6	24	1524363.1017	85.590	1.423	1.58	16.98			17.47	18.32	19.41	6.99
-538	6	13	1524717.2579	75.017	9.668	0.22	17.06	20.23		21.11		22.00	6.94
-537	5	4	1525042.3771	36.818	348.856	0.14	17.45	23.62		0.28		0.95	6.64
-536	4	23	1525397.0955	26.764	357.497	1.50	17.59			(17.35)	18.10	19.08	6.51
-536	10	17	1525573.6798	198.372	178.202	1.51	18.28	5.60	(6.69)	(7.50)			5.65
-533	2	21	1526430.5763	326.320	351.829	0.38	18.63	3.47		4.66			5.43
-532	2	10	1526784.6498	315.242	359.481	1.75	18.82	4.37	(5.41)	(6.27)			5.23
-532	8	5	1526962.2613	126.464	179.840	1.83	17.20	19.34	20.34	21.20	22.06	23.06	6.74
-531	7	26	1527316.5265	115.818	188.108	0.42	17.04	2.19		3.43		4.67	6.93
-529	6	4	1527995.1584	66.181	174.376	0.92	17.12	17.39		19.00		20.62	6.98
-529	11	29	1528173.1768	241.957	359.686	1.78	18.98			19.35	20.21	21.24	4.95
-528	5	24	1528349.6917	55.992	183.146	1.39	17.32	5.94	(6.97)	(7.67)			6.82

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-528	11	17	1528527.2744	230.576	7.071	0.57	18.85	20.18		21.61		23.03	5.06
-527	5	13	1528704.3998	45.968	191.863	0.06	17.35	0.10		0.53		0.97	6.80
-525	9	16	1529560.3923	167.259	358.319	1.62	17.74	22.71	23.67	0.46	1.25	2.21	6.10
-524	9	5	1529915.0771	156.772	6.491	0.87	17.69			(16.74)		18.23	6.15
-522	7	16	1530594.3470	106.805	352.654	0.54	16.96	22.05		23.43		0.82	6.96
-521	1	10	1530771.5667	284.390	179.844	1.86	19.15	2.63	3.57	4.39			4.91
-521	7	5	1530948.3721	96.034	0.547	1.74	16.96	21.97	23.04	23.93	0.81	1.89	6.99
-521	12	30	1531126.2151	273.655	187.775	0.64	19.10			19.92		21.26	4.94
-520	6	24	1531302.5423	85.446	8.793	0.37	17.00	2.79		3.92		5.05	6.98
-518	5	4	1531982.4081	37.238	356.654	1.37	17.48	23.22	0.24	0.92	1.59	2.62	6.62
-517	4	24	1532337.0610	27.120	5.352	1.01	17.60			(16.41)	(16.52)	18.02	6.48
-517	10	17	1532513.2555	198.335	185.790	0.90	18.31	19.61		21.19		22.77	5.60
-514	8	17	1533547.5762	137.144	179.263	1.73	17.30	2.91	3.92	4.77	5.62	6.63	6.63
-513	2	9	1533724.3491	315.322	7.260	0.69	18.82	21.52		22.93		0.34	5.24
-512	12	20	1534404.1427	264.224	351.823	0.55	19.09			(18.50)		19.78	4.87
-511	6	14	1534580.4499	76.591	173.506	0.78	17.09	0.47		1.99		3.51	6.99
-511	12	10	1534758.5299	253.160	359.673	1.78	19.02	1.87	2.90	3.76	4.61		4.92
-510	11	29	1535112.6144	241.767	7.032	0.58	18.93	4.29		(5.72)			4.99
-508	10	7	1535791.1536	188.944	349.955	0.23	18.16			18.96		19.85	5.71
-507	4	3	1535969.3243	7.749	178.523	1.58	17.97	20.80	21.87	22.71	23.55	0.62	6.16
-506	3	23	1536323.3781	356.924	186.411	0.69	18.14	22.23		23.78		1.32	5.98
-506	9	16	1536500.4251	167.677	6.139	0.92	17.76	23.62		1.14		2.66	6.08
-504	1	31	1537002.2834	306.104	171.610	0.53	18.95	20.35		21.61		22.86	5.15
-504	7	27	1537179.6293	117.339	351.902	0.40	16.99	4.96		6.19			6.92
-503	7	16	1537533.6494	106.514	359.737	1.78	16.96	4.60	5.67	6.56			6.98
-502	1	10	1537711.5789	284.788	187.679	0.65	19.11	3.21		4.57			4.95
-501	11	19	1538390.3627	232.140	170.869	0.20	18.89	23.13		0.03		0.93	5.07
-500	11	7	1538744.3580	220.663	178.022	1.48	18.69	21.91	23.02	23.81	0.60	1.70	5.25
-499	5	4	1538922.3655	37.578	4.535	1.14	17.49	22.09	23.32	23.77	0.23	1.46	6.59
-499	10	28	1539098.6112	209.474	185.713	0.91	18.44	4.16		(5.75)			5.48
-497	3	14	1539601.1691	347.789	350.739	0.19	18.23			19.00		19.98	5.85
-497	9	7	1539778.3856	158.512	170.447	0.36	17.67	23.33		0.38		1.44	6.24
-496	3	2	1539955.2823	336.892	358.614	1.60	18.45	19.63	20.68	21.51	22.35	23.40	5.62
-495	8	16	1540487.1100	137.078	186.797	0.64	17.33			17.44		18.92	6.60
-493	1	1	1540989.5036	275.399	351.751	0.53	19.07	1.80		3.07		4.34	4.91
-492	6	14	1541520.3051	76.843	181.381	1.67	17.03	20.61	21.57	22.38	23.20	0.16	7.05
-490	4	25	1542200.3077	28.754	169.274	0.10	17.66	21.99		22.59		23.19	6.48
-490	10	19	1542376.5072	200.046	349.803	0.21	18.24	2.64		3.49		4.33	5.62
-489	4	15	1542554.6081	18.268	177.733	1.44	17.87	3.72	4.83	5.61			6.26
-489	10	8	1542731.1047	189.290	357.822	1.54	18.20			(17.66)	18.43	19.40	5.65
-488	4	3	1542908.6578	7.495	185.666	0.83	18.03	4.93		(6.58)			6.09
-486	2	11	1543587.6308	317.048	171.308	0.49	18.90	4.73		(5.93)			5.21
-485	1	31	1543942.2891	306.493	179.453	1.80	18.92	19.87	20.81	21.63	22.45	23.38	5.19
-484	7	15	1544473.1299	106.397	7.195	0.65	17.05			17.97		19.39	6.86
-482	5	26	1545153.0329	58.106	354.935	1.10	17.13			(15.98)	(16.36)	17.59	6.91
-481	5	16	1545507.6668	48.009	3.689	1.27	17.38	5.31	6.43	(7.05)			6.70
-479	3	24	1546186.4583	358.417	350.091	0.08	18.09	1.43		2.02		2.61	5.99
-478	3	14	1546540.5923	347.607	358.074	1.52	18.33	3.15	4.22	5.02			5.75
-478	9	7	1546718.2180	158.728	178.329	1.57	17.68	18.40	19.44	20.25	21.06	22.10	6.24
-477	8	27	1547072.4115	147.809	186.266	0.73	17.45	23.15		0.71		2.27	6.48
-475	7	6	1547751.0407	97.494	171.828	0.51	17.02			(16.11)		17.39	6.98
-475	12	31	1547929.2257	275.502	359.552	1.76	19.12		19.42	20.28	21.14	22.18	4.87
-474	6	26	1548105.6164	87.290	180.538	1.80	17.03	4.05	4.99	5.83	6.66		7.04
-474	12	20	1548283.2887	264.133	6.906	0.60	19.15	20.29		21.74		23.20	4.82
-473	6	15	1548460.3353	77.254	189.212	0.46	17.00	21.84		23.00		0.15	7.08
-471	10	18	1549316.4699	200.396	357.684	1.52	18.28	0.74	1.72	2.47	3.22	4.20	5.58
-470	10	8	1549671.1335	189.706	5.643	0.99	18.23			18.25		19.81	5.62
-468	8	17	1550350.2062	138.604	350.578	0.17	17.32	19.24		20.06		20.88	6.56
-467	2	11	1550527.6397	317.449	179.127	1.75	18.87	4.28	5.22	(6.03)			5.25
-467	8	6	1550704.2186	127.649	358.278	1.53	17.20	18.28	19.38	20.20	21.03	22.13	6.69
-466	1	31	1550882.2888	306.886	187.285	0.71	18.88	20.09		21.50		22.91	5.23
-466	7	26	1551058.4289	116.953	6.455	0.78	17.07	23.60		1.12		2.65	6.82
-464	6	5	1551738.3410	68.534	354.043	0.96	17.05	21.83		23.37		0.92	6.98
-463	11	18	1552269.3307	231.864	185.661	0.93	18.82	21.41		23.00		0.58	5.13

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-460	9	18	1553303.5451	169.632	177.970	1.50	17.80	2.31	3.37	4.15	4.94	5.99	6.11
-459	3	13	1553480.3437	347.751	5.888	0.93	18.31	21.37		22.93		0.49	5.78
-457	1	22	1554160.2179	297.590	351.494	0.49	18.95			20.07		21.30	5.08
-457	7	17	1554336.3443	108.004	171.067	0.39	17.07	22.23		23.37		0.50	6.91
-456	1	12	1554514.5686	286.608	359.434	1.73	19.08	2.53	3.57	4.43			4.92
-456	12	31	1554868.6233	275.273	6.810	0.61	19.14	4.22		(5.69)			4.84
-455	6	26	1555045.6495	87.704	188.363	0.59	17.00	5.23		6.51			7.07
-454	11	9	1555547.2330	222.378	349.690	0.21	18.67	20.10		20.92		21.75	5.21
-453	5	6	1555725.1665	39.163	176.044	1.15	17.44		18.65	19.15	19.65	20.95	6.69
-452	4	24	1556079.2093	28.465	184.040	1.12	17.58	18.16	19.52	19.98	20.43	21.79	6.54
-452	10	18	1556256.4960	200.807	5.507	1.01	18.31	1.41	2.87	2.98	3.09	4.56	5.55
-450	3	4	1556758.3069	338.724	170.440	0.37	18.48	21.17		22.23		23.29	5.66
-450	8	29	1556935.5047	149.339	350.037	0.07	17.41	2.72		3.26		3.79	6.47
-449	8	18	1557289.5145	138.312	357.665	1.42	17.27	1.43	2.56	3.32	4.09	5.22	6.61
-448	2	12	1557467.6361	317.831	186.984	0.76	18.83	4.38		(5.83)			5.29
-447	12	21	1558146.3735	265.693	170.708	0.17	19.18	23.24		0.08		0.92	4.83
-446	6	17	1558323.6522	78.965	353.179	0.82	16.97	5.36		6.83			7.04
-446	12	10	1558500.3956	254.255	177.940	1.47	19.09	22.68	23.78	0.56	1.34	2.44	4.90
-445	6	6	1558678.2598	68.836	1.936	1.55	17.07	19.49	20.51	21.31	22.10	23.12	6.95
-444	5	26	1559032.5945	58.457	10.509	0.03	17.24	4.84		5.19		5.55	6.81
-443	10	9	1559534.4351	191.467	169.664	0.22	18.22	0.88		1.73		2.58	5.69
-442	4	4	1559711.1955	8.839	356.761	1.30	17.90		18.99	19.65	20.32	21.46	6.19
-441	3	25	1560065.6673	358.414	5.288	1.03	18.19	5.16	(6.55)	(6.77)			5.90
-439	2	2	1560745.5655	308.595	351.259	0.44	18.87	3.20		4.39			5.18
-439	7	28	1560921.6523	118.569	170.356	0.28	17.13	5.76		6.74			6.83
-438	7	17	1561276.2478	108.297	178.957	1.72	17.04	19.15	20.10	20.92	21.75	22.69	6.94
-436	11	20	1562132.5990	233.591	349.675	0.21	18.74	4.85		(5.68)			5.16
-435	5	16	1562310.4390	49.566	175.141	0.99	17.35	0.00		1.73		3.46	6.76
-435	11	9	1562487.2101	222.744	357.550	1.50	18.71		19.51	20.25	20.99	21.47	5.16
-434	5	5	1562664.4788	38.890	183.153	1.28	17.48	0.63	1.84	2.51	3.17	4.38	6.64
-432	3	15	1563343.6376	349.453	169.888	0.29	18.41	5.28		(6.23)			5.74
-431	3	4	1563698.3283	339.133	178.263	1.62	18.46	20.88	21.84	22.63	23.42	0.37	5.69
-430	8	17	1564229.0509	138.243	5.212	0.99	17.40			(16.07)		17.71	6.46
-427	6	17	1565263.5554	79.257	1.068	1.69	17.00	2.54	3.54	4.38	5.23	6.23	7.00
-424	4	14	1566296.4920	19.368	356.014	1.18	17.77	1.10	2.32	2.85	3.38	4.60	6.32
-424	10	9	1566474.2190	191.635	177.510	1.42	18.24	18.60	19.69	20.43	21.17	22.26	5.68
-423	9	28	1566828.3465	180.451	185.114	0.92	18.00	21.61		23.30		1.00	5.92
-420	2	2	1567685.2328	308.654	358.980	1.65	18.86		19.43	20.28	21.13	22.19	5.19
-420	7	28	1567861.5677	118.880	178.231	1.61	17.10	2.83	3.79	4.58	5.38	6.34	6.86
-419	1	21	1568039.2753	297.419	6.438	0.68	19.02	19.66		21.20		22.73	5.01
-419	7	17	1568216.2810	108.721	186.757	0.83	17.00	20.14		21.61		23.07	6.97
-417	5	28	1568895.7075	59.957	174.209	0.82	17.28	6.57		(8.20)			6.83
-417	11	21	1569072.5814	233.967	357.516	1.49	18.77	3.42	4.40	(5.14)			5.12
-416	11	9	1569427.2267	223.156	5.359	1.02	18.75	18.95	20.34	20.54	20.73	22.12	5.14
-413	3	16	1570283.6615	349.869	177.697	1.53	18.39	4.96	(5.93)	(6.69)			5.76
-413	9	8	1570460.1238	159.863	356.649	1.24	17.69			18.03	18.65	19.86	6.18
-412	3	4	1570638.3073	339.505	186.116	0.89	18.42	20.46		22.01		23.55	5.72
-412	8	27	1570814.3700	149.001	4.687	1.08	17.48	22.07	23.39	23.76	0.12	1.44	6.38
-410	7	8	1571494.2778	99.906	351.528	0.55	16.93	20.52		21.78		23.04	6.99
-409	12	21	1572025.4216	265.495	185.650	0.94	19.11	23.39		0.97		2.55	4.90
-408	6	16	1572203.1446	79.245	8.713	0.33	17.03	17.28		18.39		19.49	6.96
-407	10	31	1572705.1569	213.730	169.476	0.18	18.64			19.11		19.88	5.28
-406	10	21	1573059.5628	202.725	177.381	1.39	18.37	2.89	3.99	4.72	5.45		5.56
-405	4	15	1573236.3016	19.564	3.885	1.26	17.76	20.46	21.56	22.16	22.76	23.85	6.33
-405	10	10	1573413.6709	191.466	184.891	0.96	18.14	5.42		(7.14)			5.79
-403	2	23	1573916.2403	330.394	350.553	0.32	18.52	19.58		20.61		21.64	5.56
-403	8	18	1574092.2865	139.896	169.136	0.10	17.41	21.38		21.97		22.56	6.51
-402	2	13	1574270.5568	319.571	358.652	1.60	18.75	2.15	3.22	4.06	4.89		5.30
-401	2	2	1574624.5947	308.399	6.167	0.73	18.93	3.26		4.83			5.11
-401	7	29	1574801.6039	119.299	186.050	0.94	17.07	3.81		5.34		6.87	6.89
-400	12	11	1575303.3331	256.035	349.656	0.22	19.02	22.32		23.16		0.00	4.92
-398	5	27	1575835.0123	59.677	181.308	1.60	17.12			(15.38)	(16.24)	17.33	6.97
-398	11	21	1576012.5969	234.369	5.345	1.02	18.81	3.80	(5.20)	(5.39)			5.08
-397	5	16	1576189.1753	49.132	189.599	0.23	17.25	18.23		19.15		20.06	6.88

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-396	4	5	1576514.2843	10.714	168.561	0.09	17.95	21.36		21.90		22.45	6.20
-395	9	18	1577045.4416	170.748	356.276	1.18	17.79	23.90	1.16	1.71	2.25	3.52	6.08
-394	3	16	1577223.6349	350.228	185.575	0.97	18.33	4.34		(5.93)			5.80
-394	9	8	1577399.6991	159.827	4.260	1.15	17.56	5.99	(7.21)	(7.70)			6.30
-392	1	23	1577902.3579	298.961	170.219	0.09	19.05	22.86		23.48		0.11	5.03
-392	7	19	1578079.5918	110.441	350.750	0.42	16.93	4.16		5.29		6.42	6.97
-391	1	11	1578256.4249	287.696	177.683	1.44	19.12	23.15	0.25	1.01	1.77	2.86	4.94
-391	7	8	1578434.1480	100.172	359.405	1.76	16.98		17.69	18.55	19.41	20.41	6.94
-390	6	27	1578788.4179	89.669	7.823	0.48	16.99	23.61		0.92		2.22	6.98
-389	11	12	1579290.5195	224.927	169.432	0.17	18.76	3.05		3.80		4.55	5.18
-388	5	6	1579467.0773	40.301	354.377	0.92	17.37			(17.03)		18.64	6.71
-387	4	26	1579821.6116	30.070	3.084	1.40	17.65	3.94	4.97	5.67	6.37		6.45
-386	4	15	1580176.3148	19.968	11.700	0.08	17.79	21.86		22.37		22.88	6.31
-385	3	7	1580501.5659	341.183	350.071	0.24	18.40	3.57		4.47		5.37	5.68
-385	8	30	1580677.6123	150.668	168.633	0.02	17.52	5.53		5.83		6.12	6.40
-384	8	18	1581032.2260	140.230	177.005	1.42	17.39	18.69	19.70	20.40	21.11	22.11	6.52
-381	6	18	1582066.2480	80.735	172.390	0.50	17.04	19.82		21.16		22.50	7.02
-381	12	12	1582243.3308	256.416	357.502	1.49	19.06	21.27	22.25	22.99	23.73	0.71	4.88
-380	6	6	1582420.2805	70.058	180.387	1.77	17.08	19.86	20.93	21.82	22.71	23.78	7.01
-379	5	26	1582774.4608	59.531	188.713	0.39	17.18	0.87		2.02		3.17	6.93
-377	4	6	1583454.3176	11.130	176.384	1.32	17.93	20.91	21.95	22.60	23.24	0.28	6.23
-373	7	19	1585019.4485	110.685	358.646	1.63	16.99	23.89	0.91	1.74	2.57	3.59	6.92
-372	1	12	1585196.1384	287.789	185.479	0.98	19.04			(18.01)		19.60	5.03
-372	7	8	1585373.6956	100.117	6.985	0.62	16.97	6.10		(7.55)			6.98
-370	5	17	1586052.3696	50.721	353.522	0.78	17.26	22.56		0.08		1.60	6.81
-370	11	11	1586230.2565	225.043	177.244	1.36	18.77	19.55	20.67	21.38	22.09	23.21	5.18
-369	10	31	1586584.3304	213.668	184.598	1.00	18.56	21.27	22.93	23.02	23.12	0.77	5.38
-368	4	26	1586761.6334	30.471	10.914	0.20	17.68	5.30		6.09			6.42
-366	3	6	1587441.1793	341.184	357.738	1.44	18.36			19.08	19.85	20.96	5.71
-366	8	30	1587617.5651	151.007	176.516	1.34	17.50	2.88	3.92	4.57	5.23	6.26	6.41
-365	2	23	1587795.2116	330.148	5.374	0.87	18.57			19.66		21.34	5.49
-365	8	19	1587972.2596	140.648	184.820	1.13	17.36	19.47	20.66	21.09	21.52	22.72	6.55
-363	6	29	1588651.5167	91.156	171.489	0.34	17.04	2.45		3.58		4.72	7.00
-362	6	18	1589005.5475	80.456	179.461	1.74	17.04	2.26	3.33	4.21	5.10	6.17	7.02
-362	12	12	1589183.3345	256.814	5.323	1.02	19.10	21.36	22.77	22.96	23.14	0.55	4.84
-359	4	17	1590039.6358	21.679	175.614	1.20	17.85	4.66	5.78	(6.31)			6.30
-359	10	10	1590216.0947	192.731	355.745	1.09	18.26			(17.49)	(17.88)	19.25	5.62
-358	4	6	1590394.2678	11.473	184.252	1.18	17.88	19.58	20.76	21.28	21.80	22.99	6.27
-358	9	29	1590570.3753	181.704	3.632	1.26	18.02	22.30	23.43	0.04	0.65	1.78	5.84
-356	8	9	1591250.2337	131.669	349.394	0.20	17.20	19.89		20.69		21.49	6.65
-354	1	22	1591781.4902	298.864	185.298	1.01	19.01	0.78	2.24	2.39	2.54	4.00	5.07
-353	12	3	1592461.2530	247.360	169.439	0.16	19.07	20.58		21.31		22.04	4.91
-352	5	28	1592637.6621	61.130	352.652	0.64	17.15	5.71		(7.12)			6.90
-352	11	22	1592815.6071	236.240	177.729	1.36	18.88	3.92	5.05	(5.76)			5.07
-351	5	17	1592992.2316	50.971	1.413	1.67	17.27	18.87	19.83	20.64	21.46	22.42	6.80
-349	3	28	1593672.2017	2.533	348.912	0.04	17.98	19.52		19.88		20.24	6.11
-348	3	16	1594026.4809	351.879	357.168	1.34	18.23	0.52	1.68	2.39	3.09	4.25	5.85
-347	3	6	1594380.5114	340.911	4.869	0.96	18.44	1.18		2.91		4.64	5.63
-347	8	30	1594557.5963	151.423	184.334	1.20	17.47	3.55	4.68	5.21	5.73		6.44
-345	1	13	1595059.4242	289.526	349.449	0.20	19.02	0.29		1.09		1.90	5.00
-343	6	17	1595945.0336	80.347	186.937	0.69	16.95			(15.75)		17.22	7.10
-341	10	21	1596801.4317	203.814	355.592	1.07	18.36	23.87	1.27	1.61	1.95	3.35	5.53
-340	4	17	1596979.5769	22.005	183.507	1.30	17.79	3.03	4.13	4.78	5.42		6.35
-339	9	29	1597510.2921	182.007	11.528	0.09	18.07	21.41		21.94		22.47	5.78
-338	8	21	1597835.5625	142.377	348.833	0.11	17.26	4.01		4.60		5.19	6.59
-337	2	13	1598012.4203	320.658	176.911	1.32	18.76	23.00	0.14	0.81	1.49	2.62	5.34
-337	8	10	1598190.0568	131.879	357.277	1.39	17.28			(16.33)	(17.06)	18.15	6.59
-336	7	29	1598544.2575	121.160	5.430	0.88	17.14	19.34		21.01		22.67	6.75
-333	5	29	1599577.5380	61.401	0.528	1.81	17.17	2.23	3.17	4.01	4.85	5.79	6.88
-332	5	17	1599932.2597	51.388	9.217	0.46	17.30	20.05		21.21		22.36	6.77
-330	9	20	1600788.2581	172.788	175.760	1.22	17.91	19.66	20.76	21.31	21.85	22.95	5.99
-326	1	13	1601999.4357	289.930	357.258	1.45	19.05	23.54	0.53	1.25	1.97	2.96	4.96
-326	7	9	1602176.0934	101.328	177.718	1.43	17.01			17.27	18.04	19.17	6.99
-325	6	28	1602530.3230	90.788	186.070	0.84	16.96	21.10		22.67		0.24	7.07

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTF	TPE	TS
-323	5	8	1603210.2663	42.637	173.974	0.94	17.43	20.03		21.56		23.10	6.72
-322	10	21	1603741.0897	203.841	3.305	1.32	18.48			(17.01)	(17.66)	18.75	5.40
-319	8	20	1604775.3684	142.568	356.706	1.29	17.35	22.04	23.18	23.84	0.49	1.63	6.51
-318	2	13	1604952.1849	320.805	184.754	1.11	18.68			19.04	19.45	20.68	5.45
-318	8	10	1605129.5464	131.763	4.752	0.99	17.21	2.21		3.95		5.68	6.68
-316	6	18	1605808.2491	81.964	350.901	0.37	16.94	20.08		21.18		22.29	7.04
-316	12	13	1605986.3041	258.644	177.178	1.34	19.12	20.51	21.65	22.35	23.05	0.19	4.88
-315	12	2	1606340.3401	247.206	184.427	1.03	19.00	21.39	22.92	23.16	23.40	0.93	4.98
-314	5	29	1606517.5717	61.815	8.347	0.59	17.20	3.42		4.71		5.99	6.85
-312	4	7	1607197.0606	13.067	355.784	1.10	17.80			(16.47)	(16.88)	18.25	6.28
-312	10	1	1607373.6143	183.783	175.507	1.18	18.02	4.28	5.41	(5.91)			5.87
-311	3	27	1607551.0897	2.225	3.607	1.19	18.01			(16.94)	(17.51)	18.78	6.07
-311	9	20	1607728.2827	173.198	183.578	1.31	17.89	20.09	21.15	21.78	22.42	23.48	6.01
-308	7	19	1608761.3744	111.823	176.923	1.29	17.07	22.13	23.31	23.99	0.66	1.85	6.91
-307	1	13	1608939.4246	290.303	5.112	1.05	19.08	23.25	0.59	0.87	1.14	2.49	4.93
-307	7	9	1609115.6189	101.255	185.256	0.99	16.98	4.10		5.75			7.03
-305	5	20	1609795.5750	53.079	173.093	0.80	17.37	3.55		5.00		6.46	6.77
-305	11	12	1609972.1169	226.119	355.417	1.04	18.78			(18.06)	(18.33)	19.78	5.13
-304	5	8	1610150.1784	42.943	181.854	1.57	17.37	17.51	18.53	19.34	20.14	21.16	6.77
-304	10	31	1610326.4352	214.994	3.210	1.34	18.56	23.83	0.91	1.58	2.25	3.33	5.32
-303	4	28	1610504.5041	37.520	190.389	0.05	17.57	2.51		2.96		3.41	6.56
-301	9	1	1611360.6827	153.335	356.192	1.20	17.44	5.65	(6.86)	(7.42)			6.42
-300	2	25	1611537.5220	331.675	184.345	1.18	18.61	1.49	2.64	3.16	3.67	4.83	5.52
-298	1	4	1612217.3369	280.930	169.311	0.12	19.18	22.42		23.07		23.72	4.88
-298	6	30	1612393.5458	92.413	350.046	0.24	16.90	3.37		4.27		5.17	7.06
-298	12	25	1612571.6483	269.825	177.115	1.33	19.17	4.68	(5.83)	(6.52)			4.85
-297	6	19	1612748.1557	82.265	358.779	1.70	16.98	17.04	17.99	18.81	19.63	20.58	7.00
-294	4	18	1613782.3427	23.572	355.008	0.96	17.67	21.60		23.31		1.03	6.41
-293	4	7	1614136.3719	12.784	2.882	1.32	17.88	21.91	23.10	23.80	0.50	1.69	6.20
-293	10	2	1614313.6349	184.188	183.332	1.35	18.00	4.58	5.63	(6.29)			5.90
-291	2	14	1614815.4802	322.532	348.711	0.10	18.67	1.78		2.36		2.94	5.40
-290	2	4	1615170.1550	312.005	356.843	1.39	18.80			(18.44)	19.12	20.14	5.27
-290	7	31	1615346.6608	122.372	176.193	1.17	17.14	5.05	6.32	(6.86)			6.82
-287	11	22	1616557.4654	237.312	355.386	1.04	18.85	0.67	2.13	2.39	2.65	4.11	5.06
-286	5	19	1616735.4751	53.368	180.994	1.70	17.30	0.64	1.64	2.49	3.33	4.34	6.83
-285	11	1	1617266.3824	215.328	11.095	0.16	18.60	23.50		0.20		0.91	5.27
-283	3	17	1617768.3698	352.985	175.444	1.08	18.24	22.04	23.38	23.75	0.13	1.46	5.89
-282	8	31	1618300.1378	153.183	3.595	1.19	17.60		17.64	18.21	18.77	20.04	6.27
-281	2	25	1618477.5260	332.063	192.193	0.00	18.58	3.07		3.15		3.23	5.56
-279	6	29	1619333.4688	92.723	357.942	1.57	16.94	0.55	1.52	2.30	3.07	4.04	7.02
-278	6	19	1619688.1924	82.684	6.596	0.86	17.01	18.09		19.58		21.06	6.97
-276	4	29	1620367.6173	34.036	354.160	0.81	17.54	4.36		5.98			6.54
-276	10	22	1620544.3391	205.966	175.190	1.13	18.46	21.77	22.95	23.38	23.82	0.99	5.45
-275	4	18	1620721.6470	23.293	2.080	1.46	17.74	4.56	5.68	(6.48)			6.34
-272	2	16	1621755.5042	327.948	356.508	1.34	18.70	1.14	2.17	2.82	3.48	4.51	5.37
-271	2	4	1622110.1270	312.371	4.691	1.11	18.82			(17.65)	(18.06)	19.31	5.24
-271	7	30	1622286.2241	122.340	183.778	1.24	17.14	18.49	19.65	20.24	20.83	21.99	6.81
-269	6	10	1622966.1913	73.934	171.325	0.52	17.08	18.57		19.80		21.03	7.01
-268	11	22	1623497.1602	237.395	3.146	1.35	18.95			(18.93)	19.61	20.68	4.96
-267	5	19	1623675.0559	53.358	188.616	0.34	17.17			(16.29)		17.42	6.94
-265	3	29	1624353.6774	3.620	174.811	0.98	18.15	5.56		(7.21)			5.99
-265	9	22	1624531.3313	175.076	355.433	1.06	17.89	21.38	22.77	23.09	23.42	0.81	5.98
-264	3	17	1624708.1856	353.187	183.323	1.35	18.16		18.53	19.20	19.88	20.92	5.98
-264	9	10	1624885.4436	163.998	3.142	1.27	17.71	23.73	0.94	1.60	2.25	3.46	6.17
-262	7	21	1625564.1566	113.416	348.496	0.00	17.01	18.77		18.87		18.98	6.87
-261	1	15	1625742.3290	292.056	176.890	1.29	19.08	20.86	22.04	22.70	23.36	0.53	4.99
-260	1	4	1626096.3441	280.692	184.189	1.07	19.11	21.21	22.63	23.00	23.37	0.79	4.94
-260	6	30	1626273.5054	93.142	5.758	0.99	16.97	1.50		3.06		4.62	6.99
-257	10	23	1627484.3501	206.363	183.019	1.39	18.44	21.81	22.84	23.53	0.23	1.26	5.48
-256	4	17	1627661.0827	23.129	9.449	0.25	17.69			(16.82)		17.77	6.40
-254	8	21	1628517.2511	143.672	174.925	0.95	17.45	19.36		21.06		22.75	6.48
-253	2	15	1628695.4699	323.299	4.379	1.16	18.72	0.20	1.40	1.88	2.37	3.57	5.35
-253	8	11	1628871.5369	132.970	183.141	1.34	17.23	1.98	3.07	3.76	4.44	5.53	6.70
-252	7	30	1629226.1108	122.614	191.670	0.06	17.12			17.42		17.86	6.81

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-251	6	21	1629551.5003	84.370	170.467	0.38	17.07	2.12		3.19		4.27	7.00
-251	12	14	1629728.1629	259.715	355.328	1.03	19.09			(18.98)	19.22	20.69	4.87
-250	6	10	1629906.0596	74.191	179.222	1.73	17.02			(16.52)	17.38	18.38	7.05
-250	12	4	1630082.5263	248.613	3.144	1.35	18.99	1.91	2.98	3.66	4.33		4.93
-249	5	30	1630260.3288	63.748	187.704	0.50	17.11	21.52		22.85		0.18	6.99
-247	10	3	1631116.6609	186.057	355.149	1.01	17.99	5.37	(6.93)	(7.06)			5.88
-246	3	29	1631293.5078	3.845	182.678	1.46	18.08	1.27	2.28	3.02	3.75	4.76	6.07
-245	3	18	1631648.1999	353.593	191.142	0.17	18.14	18.72		19.44		20.16	6.02
-244	2	6	1631973.3837	314.079	168.743	0.01	18.88	23.83		0.06		0.29	5.23
-243	1	26	1632327.6588	303.096	176.668	1.25	19.03	4.74	(5.94)	(6.57)			5.05
-243	7	21	1632504.1022	113.756	356.365	1.32	17.06			17.44	18.09	10.13	6.81
-242	1	15	1632681.6703	291.783	184.013	1.11	19.09	4.95	(6.32)	(6.76)			4.97
-240	5	20	1633538.1580	54.862	352.374	0.49	17.17	17.70		19.04		20.37	6.87
-239	5	9	1633892.1899	44.179	0.358	1.77	17.35	17.68	18.75	19.64	20.53	21.60	6.71
-238	4	28	1634246.3718	33.614	8.634	0.40	17.56	22.66		23.82		0.99	6.52
-238	10	23	1634424.1557	206.558	190.866	0.02	18.45	18.45		18.74		19.02	5.48
-236	3	8	1634926.1900	344.602	355.635	1.20	18.30		18.84	19.37	19.90	21.02	5.80
-236	9	1	1635102.5586	154.425	174.420	0.87	17.57	2.84		4.48		6.12	6.35
-234	8	10	1635811.4381	133.258	191.037	0.16	17.21	0.56		1.28		1.99	6.71
-233	12	26	1636313.5123	270.892	355.285	1.03	19.09	1.58	3.05	3.28	3.51		4.88
-232	6	20	1636491.3522	84.609	178.358	1.59	17.01	21.68	22.71	23.53	0.35	1.37	7.04
-231	6	10	1636845.6011	74.135	186.795	0.65	17.06	3.89		5.38		6.87	7.02
-231	12	3	1637022.4991	248.970	11.010	0.17	19.03	2.16		2.89		3.63	4.89
-229	4	19	1637524.2794	24.722	173.334	0.75	17.70	20.32		21.82		23.31	6.44
-228	10	2	1638056.0715	185.852	2.451	1.39	18.17			(16.78)	(17.53)	18.69	5.71
-227	3	29	1638233.5304	4.250	190.514	0.76	18.06	2.56		3.45		4.35	6.09
-225	8	1	1639089.4268	124.346	355.666	1.21	17.09	23.58	0.69	1.23	1.77	2.88	6.77
-224	7	21	1639444.1367	114.174	4.184	1.23	17.09		17.60	18.16	18.72	19.82	6.79
-222	5	31	1640123.4266	65.248	351.461	0.33	17.07	0.37		1.50		2.62	6.96
-222	11	24	1640300.4526	239.555	175.065	1.11	18.95	0.46	1.66	2.06	2.46	3.66	5.01
-221	5	20	1640477.4604	54.578	359.460	1.74	17.23	0.21	1.28	2.16	3.05	4.12	6.82
-220	5	9	1640831.6620	44.056	7.799	0.54	17.44	5.51		(6.84)			6.63
-220	11	3	1641009.5053	217.701	190.795	0.02	18.57	2.83		3.13		3.44	5.36
-218	3	20	1641511.5232	355.323	355.076	1.12	18.19	1.83	3.03	3.44	3.85	5.06	5.91
-217	3	9	1641866.1355	344.936	3.510	1.30	18.31			(17.95)	18.59	19.69	5.78
-217	9	1	1642042.1825	154.441	182.098	1.52	17.60		18.54	19.32	20.10	21.12	6.31
-215	7	12	1642722.1225	105.324	168.834	0.11	17.07	17.46		18.07		18.68	6.91
-214	7	2	1643076.6444	95.053	177.512	1.44	17.02	4.68	5.75	6.51			7.01
-214	12	25	1643253.2572	271.021	3.102	1.37	19.14	19.29	20.34	21.02	21.71	22.76	4.84
-211	4	30	1644109.5767	35.202	172.524	0.62	17.62	3.63		5.01		6.40	6.52
-211	10	24	1644287.3378	208.195	354.808	0.94	18.45	21.72		23.38		1.04	5.44
-210	4	19	1644464.1448	24.977	181.226	1.70	17.63		17.64	18.46	19.28	20.23	6.52
-210	10	13	1644641.3943	196.878	2.216	1.42	18.28	22.66	23.80	0.58	1.35	2.49	5.61
-209	10	2	1644995.3864	185.552	9.527	0.17	18.11	23.39		0.21		1.03	5.77
-207	2	16	1645498.3029	324.963	176.025	1.14	18.67	20.23	21.54	22.02	22.50	23.81	5.43
-206	2	5	1645852.3113	313.778	183.496	1.20	18.81	20.23	21.50	22.08	22.66	23.92	5.29
-206	8	1	1646029.4575	124.765	3.482	1.34	17.12	0.15	1.19	1.85	2.51	3.55	6.74
-203	5	31	1647062.7293	64.968	358.545	1.58	17.13	6.69	(7.78)	(8.63)			6.91
-203	11	24	1647240.4461	239.937	182.905	1.40	18.92	0.05	1.08	1.79	2.49	3.53	5.04
-200	9	22	1648273.1920	176.166	173.632	0.73	17.99	18.25		19.79		21.33	5.93
-199	3	19	1648451.4559	355.648	2.943	1.39	18.19	23.93	1.00	1.71	2.42	3.48	5.90
-199	9	12	1648627.5136	165.293	181.682	1.59	17.72	1.50	2.51	3.32	4.12	5.13	6.19
-198	9	1	1648982.1061	154.760	189.968	0.33	17.59			(17.38)		18.38	6.31
-196	1	16	1649484.1997	293.142	355.056	1.00	19.01		19.57	19.62	19.67	21.30	5.02
-195	1	5	1649838.6175	282.186	3.019	1.38	19.11	3.85	(4.89)	(5.59)			4.88
-195	7	1	1650016.1430	94.963	184.995	0.96	16.96			18.34		20.06	7.06
-195	12	25	1650193.2420	271.398	10.937	0.19	19.18	19.78		20.55		21.32	4.80
-192	4	29	1651049.4565	35.476	180.405	1.83	17.56	0.22	1.17	2.00	2.84	3.78	6.59
-191	4	19	1651404.1731	25.396	189.035	0.49	17.61	17.85		19.03		20.21	6.55
-189	2	28	1652083.6145	335.786	175.583	1.06	18.58	3.78	5.21	(5.54)			5.53
-189	8	23	1652260.0901	145.718	354.464	1.02	17.47			(17.18)	(17.38)	18.75	6.37
-188	2	17	1652437.6234	324.672	183.124	1.27	18.72	3.71	4.92	(5.58)			5.38
-186	12	16	1653471.2001	262.002	175.045	1.11	19.14		19.46	19.85	20.24	21.45	4.87
-185	6	11	1653648.0001	75.354	357.636	1.42	17.00			(15.12)	(15.89)	17.02	6.99

CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-184	5	30	1654002.2403	64.881	6.059	0.85	17.13	19.19		20.76		22.33	6.90
-184	11	24	1654180.2088	240.078	190.737	0.02	18.91	19.66		19.96		20.25	5.06
-182	4	10	1654682.1725	16.567	353.738	0.90	17.76			19.18		20.70	6.35
-182	10	4	1654858.5211	187.139	173.368	0.69	18.12	2.25		3.74		5.24	5.79
-180	9	11	1655567.4509	165.614	189.563	0.39	17.70	0.62		1.70		2.78	6.19
-178	1	27	1656069.5396	304.184	354.868	0.97	18.92	2.07		3.73			5.11
-178	7	23	1656247.2337	116.054	175.938	1.17	17.11	18.86	20.10	20.61	21.12	22.36	6.85
-177	7	12	1656601.4187	105.417	184.154	1.10	17.00	23.14	0.50	0.93	1.36	2.73	6.99
-176	1	6	1656778.6117	282.564	10.865	0.20	19.14	4.55		(5.34)			4.85
-175	5	21	1657280.1671	56.072	170.803	0.36	17.24	18.17		19.26		20.34	6.88
-173	4	30	1657989.4902	35.890	188.227	0.61	17.54	1.40		2.70		4.01	6.62
-171	9	2	1658845.4281	156.515	353.962	0.95	17.53	23.81		1.34		2.87	6.30
-170	8	23	1659200.1117	146.133	2.276	1.52	17.49			17.59	18.35	19.34	6.35
-169	8	13	1659554.6403	135.663	10.725	0.08	17.25	5.59		6.12			6.62
-168	12	27	1660056.5697	273.205	174.992	1.10	19.18	3.03	4.25	4.63			4.85
-167	6	21	1660233.2706	85.760	356.726	1.26	16.95	19.74	20.95	21.59	22.24	23.44	7.02
-167	12	16	1660411.1788	262.375	182.886	1.40	19.11			19.22	19.93	20.97	4.91
-166	6	11	1660587.5289	75.294	5.170	1.00	17.05	2.02	3.63	3.68	3.73	5.34	6.96
-166	12	6	1660765.5589	251.290	190.711	0.02	19.00	4.00		4.29		4.58	4.98
-164	4	20	1661267.4888	27.108	352.971	0.78	17.64	1.41		2.85		4.29	6.46
-163	4	10	1661622.0799	16.868	1.612	1.60	17.76			(16.84)	(17.66)	18.67	6.33
-163	10	3	1661798.1984	187.207	181.102	1.68	18.15		19.04	19.86	20.69	21.68	5.76
-162	3	30	1661976.3882	6.304	9.979	0.11	18.02	23.35		0.02		0.69	6.07
-160	8	3	1662832.5341	126.627	175.244	1.04	17.19	2.12	3.55	3.82	4.09	5.52	6.75
-159	1	26	1663009.3328	304.359	2.727	1.44	18.94	20.89	21.91	22.64	23.36	0.38	5.11
-159	7	23	1663186.6974	115.918	183.366	1.24	17.06	5.75	(6.98)	(7.60)			6.92
-157	6	1	1663865.4636	66.484	169.931	0.22	17.19	1.51		2.38		3.25	6.91
-157	11	26	1664043.3726	241.706	354.620	0.90	18.92	22.51		0.16		1.81	5.01
-156	5	21	1664220.0796	56.370	178.700	1.69	17.18			(17.03)	17.84	18.79	6.94
-156	11	14	1664397.3887	230.250	1.835	1.49	18.80	22.53	23.65	0.46	1.27	2.39	5.11
-155	11	3	1664751.3886	218.797	9.033	0.27	18.66	23.35		0.35		1.35	5.24
-153	3	21	1665254.2130	357.214	174.438	0.86	18.13	18.39		20.04		21.69	5.99
-152	3	9	1665608.2256	346.245	182.129	1.45	18.29		19.34	20.13	20.92	22.05	5.83
-152	9	2	1665785.4474	156.921	1.796	1.59	17.57	23.92	0.90	1.69	2.48	3.46	6.78
-151	2	26	1665962.3384	335.300	189.972	0.15	18.47	21.91		22.66		23.40	5.65
-149	7	3	1666818.5464	96.186	355.858	1.11	16.93	2.40	3.74	4.18	4.63	5.97	7.03
-149	12	28	1666996.5435	273.564	182.858	1.40	19.14	2.13	3.17	3.88	4.59		4.89
-146	10	25	1668029.1952	209.280	173.034	0.64	18.55			19.99		21.44	5.38
-145	4	21	1668207.3845	27.390	0.864	1.72	17.64	22.38	23.38	0.23	1.08	2.08	6.45
-145	10	15	1668383.5513	198.262	180.933	1.71	18.27	2.57	3.55	4.39	5.20		5.64
-144	4	10	1668561.6778	16.862	9.261	0.23	17.88	6.11		(7.05)			6.20
-144	10	3	1668738.1553	187.550	188.978	0.49	18.14			18.72		19.90	5.76
-142	2	17	1669240.2025	326.078	354.268	0.88	18.59			19.64		21.23	5.48
-140	1	27	1669949.3372	304.756	10.545	0.25	18.97	21.76		22.64		23.51	5.08
-138	6	1	1670805.3877	66.802	177.807	1.55	17.15	22.68	23.66	0.43	1.20	2.17	6.97
-137	5	22	1671160.1140	56.794	186.504	0.87	17.16			17.74		19.24	6.97
-135	4	1	1671839.5008	7.826	173.742	0.73	18.03	1.47		3.03		4.59	6.10
-135	9	24	1672016.1238	178.323	353.214	0.83	17.99			18.15		19.60	5.85
-134	3	21	1672193.5163	356.926	181.504	1.56	18.19	1.24	2.34	3.18	4.03	5.12	5.93
-133	3	10	1672547.6501	346.070	189.460	0.24	18.38	5.26		(6.20)			5.74
-133	9	3	1672725.2724	157.139	9.661	0.23	17.65	20.45		21.36		22.27	6.21
-131	1	17	1673227.3041	295.479	174.787	1.07	19.06	20.52	21.79	22.10	22.42	23.69	5.04
-130	7	2	1673758.1190	96.160	3.474	1.29	16.99		17.15	17.79	18.44	19.56	6.94
-130	12	27	1673936.2586	273.659	190.645	0.02	19.09	20.61		20.90		21.20	4.95
-128	5	12	1674438.1151	48.055	351.340	0.52	17.25			17.98		19.21	6.82
-128	11	5	1674614.5411	270.424	172.956	0.63	18.68	2.87		4.30			5.26
-127	5	2	1674792.6839	37.865	0.064	1.86	17.52	5.61	(6.61)	(7.47)			6.57
-126	10	15	1675323.5166	198.614	188.799	0.51	18.25	2.23		3.44		4.64	5.65
-124	3	1	1675825.5274	336.914	353.858	0.82	18.47	1.92		3.47		5.03	5.60
-124	8	24	1676003.1449	147.972	174.042	0.83	17.53			18.53		20.11	6.39
-123	8	13	1676357.2657	137.095	181.950	1.48	17.33	19.34	20.46	21.26	22.07	23.19	6.60
-122	8	2	1676711.2829	126.187	189.695	0.14	17.15	20.78		21.53		22.28	6.79
-120	6	12	1677390.6986	77.229	176.929	1.41	17.12	6.16	(7.17)	(7.89)			6.98
-119	6	1	1677745.4247	67.221	185.624	1.01	17.12	23.63	1.07	1.20	1.33	2.77	7.00

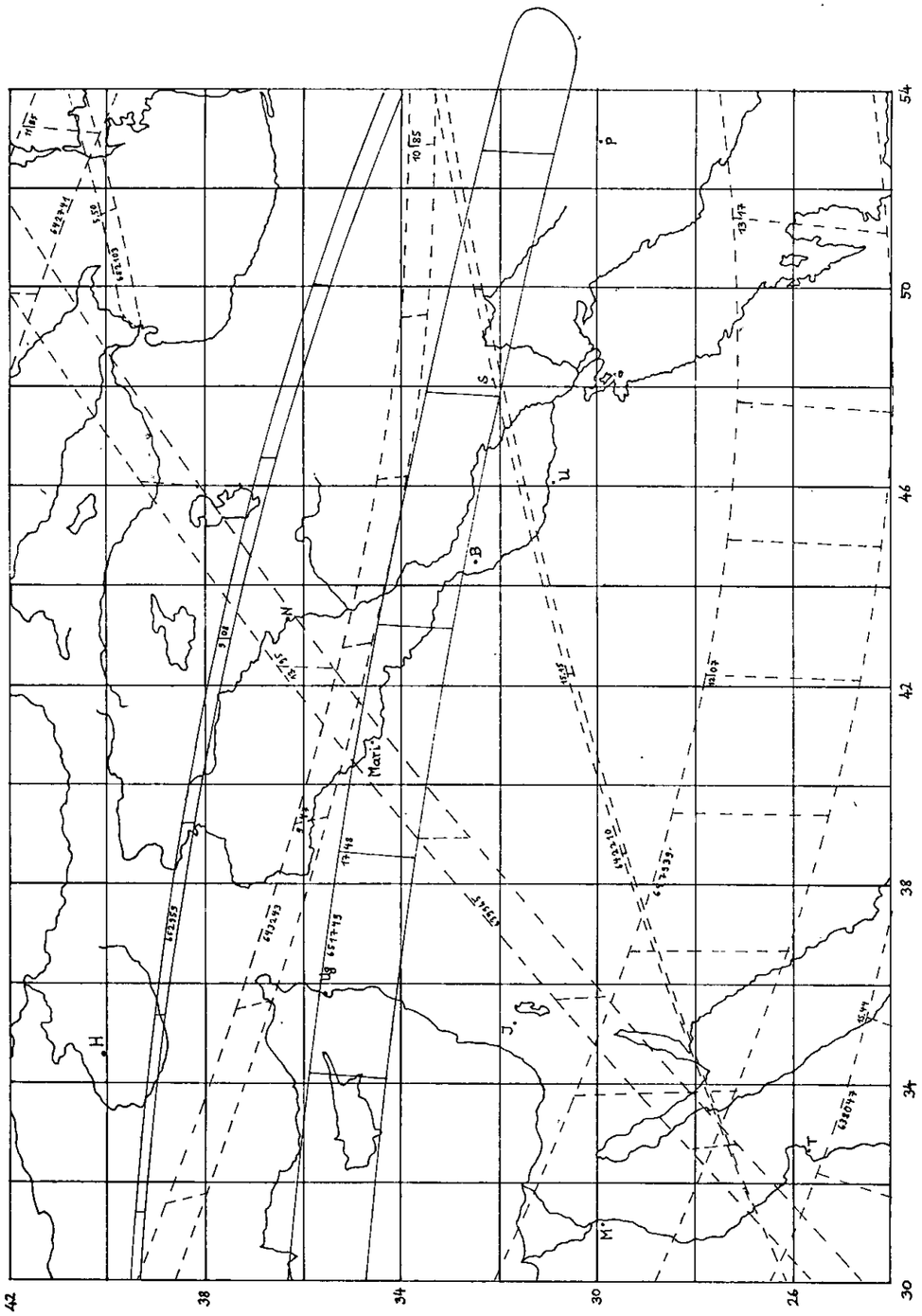
CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-117	10	5	1678601.4809	189.329	352.962	0.79	18.07	1.34		2.77		4.20	5.78
-116	9	24	1678956.1318	178.716	1.054	1.71	18.02			18.23	19.05	20.01	5.83
-115	9	14	1679310.5971	167.982	9.251	0.30	17.75	4.19		5.21			6.12
-113	7	24	1679989.1092	117.161	354.235	0.84	17.08			17.65		19.27	6.81
-112	1	18	1680167.2591	295.828	182.646	1.43	19.01	19.13	20.17	20.90	21.64	22.68	5.08
-112	7	12	1680343.4175	106.646	2.660	1.43	16.99	23.14	0.19	0.93	1.67	2.73	6.92
-111	1	7	1680521.6009	284.803	190.542	0.03	19.09	4.66		(5.03)			4.96
-110	5	23	1681023.4218	58.494	350.466	0.38	17.15	0.29		1.36		2.44	6.90
-109	11	5	1681554.2690	220.541	180.744	1.75	18.69	19.83	20.80	21.63	22.46	23.44	5.25
-108	5	1	1681732.2381	37.828	7.635	0.51	17.47	19.29		20.64		21.98	6.60
-106	9	4	1682588.4566	158.751	173.547	0.74	17.66	0.54		2.06		3.58	6.26
-105	2	28	1682765.3655	337.143	1.722	1.61	18.48	21.69	22.67	23.46	0.26	1.23	5.61
-105	8	25	1682942.5569	147.786	181.342	1.59	17.45	2.34	3.44	4.29	5.14	6.23	6.48
-104	8	13	1683296.5719	136.811	189.016	0.26	17.26	3.48		4.48		5.49	6.67
-103	12	28	1683799.4054	275.264	354.477	0.86	19.09	23.06		0.70		2.34	4.89
-102	6	23	1683976.0111	87.670	176.069	1.28	16.99			(15.35)	(15.95)	17.02	7.05
-102	12	17	1684153.3988	263.808	1.657	1.52	19.11	22.57	23.68	0.50	1.32	2.44	4.85
-101	6	13	1684330.7349	77.647	184.751	1.14	17.09	7.00	(8.17)	(8.63)			7.01
-101	12	6	1684507.4239	252.361	8.891	0.30	19.07	0.01		1.07		2.12	4.87
-99	4	22	1685010.0630	28.864	172.191	0.46	17.58			(16.68)		17.98	6.54
-98	4	11	1685364.0866	18.082	180.078	1.82	17.73			(17.03)	17.92	18.99	6.39
-98	10	5	1685541.4827	189.719	0.810	1.74	18.11	0.91	1.88	2.70	3.53	4.50	5.75
-97	3	31	1685718.2637	7.393	188.244	0.46	17.93	19.83		21.08		22.32	6.21
-95	8	3	1686574.4002	127.728	353.518	0.72	17.14	23.11		0.64		2.17	6.74
-94	1	29	1686752.6105	306.875	182.461	1.46	18.97	3.52	4.55	(5.30)			5.13
-94	7	24	1686928.7232	117.175	1.913	1.55	17.01	6.44	(7.46)	(8.26)			6.89
-93	7	13	1687283.3243	106.941	10.556	0.24	17.04	21.72		22.59		23.45	6.87
-92	11	26	1687785.2403	242.807	172.885	0.63	19.01	19.58		21.00		22.43	4.96
-91	5	23	1687963.2693	58.732	358.352	1.58	17.16	19.74	20.77	21.59	22.41	23.44	6.88
-91	11	16	1688139.6344	231.735	180.723	1.75	18.80	4.58	(5.55)	(6.38)			5.15
-90	5	13	1688317.5131	48.253	6.769	0.65	17.36	1.79		3.28		4.77	6.71
-90	11	5	1688494.2497	220.908	188.603	0.54	18.66	19.82		21.06		22.29	5.27
-88	3	21	1688996.1600	359.379	352.795	0.66	18.05			18.79		20.21	6.04
-86	2	28	1689705.3880	337.551	9.543	0.41	18.50	22.80		23.89		0.99	5.59
-84	7	3	1690561.3234	98.142	175.219	1.15	17.02	21.19	22.36	22.81	23.27	0.44	7.00
-83	6	23	1690916.0431	88.092	183.874	1.28	16.95			(16.00)	(16.61)	17.69	7.08
-81	5	3	1691595.3345	39.318	171.321	0.31	17.49	22.17		23.25		0.34	6.63
-81	10	27	1691772.2070	211.531	352.645	0.74	18.52	18.87		20.26		21.66	5.34
-80	4	21	1691949.3630	28.582	179.260	1.70	17.63	21.79	22.87	23.74	0.62	1.49	6.49
-79	4	11	1692303.5619	17.965	187.518	0.59	17.83	2.94		4.32		5.69	6.30
-79	10	5	1692481.2595	189.887	8.648	0.38	18.21	20.06		21.21		22.36	5.66
-77	2	19	1692983.3648	328.456	173.954	0.94	18.65	22.00		23.53		1.06	5.48
-77	8	15	1693159.6955	138.361	352.853	0.61	17.21	6.32		(7.75)			6.66
-76	8	3	1693514.0323	127.763	1.208	1.67	17.25			(15.67)	(16.50)	17.50	6.62
-75	1	28	1693697.2721	306.927	190.179	0.09	18.86	20.46		21.04		21.62	5.23
-75	7	24	1693868.6413	117.488	9.790	0.36	17.05	5.14		6.18			6.84
-74	12	8	1694370.5933	254.011	172.874	0.63	19.10	3.98		(5.40)			4.89
-73	6	4	1694548.5591	69.138	357.477	1.43	17.07	2.72	3.79	4.55	5.30	6.37	6.96
-72	11	16	1695079.6218	232.107	188.570	0.55	18.77	4.72		(5.97)			5.17
-70	4	1	1695581.4705	9.008	352.162	0.56	17.93	0.99		2.32		3.65	6.16
-70	9	26	1695759.1002	180.518	172.826	0.60	18.08			(17.62)		19.04	5.83
-69	9	15	1696113.1626	169.375	180.397	1.75	17.86		18.05	18.93	19.81	20.89	6.06
-68	9	3	1696467.1757	158.254	187.927	0.45	17.64	17.78		19.06		20.33	6.27
-66	7	15	1697146.6410	108.646	174.423	1.02	17.06	4.84	6.23	6.41	6.60		6.93
-65	7	4	1697501.3549	98.556	183.040	1.41	16.98	21.73	22.75	23.46	0.16	1.18	7.03
-63	5	14	1698180.6047	49.733	170.430	0.15	17.40	5.01		5.78		6.56	6.71
-63	11	7	1698357.5767	222.700	352.572	0.72	18.59	3.75		5.13			5.29
-62	5	3	1698534.6384	39.034	178.412	1.55	17.54	4.48	5.58	6.41			6.59
-62	10	27	1698712.1950	211.905	0.498	1.79	18.56		19.03	19.86	20.70	21.66	5.31
-61	10	17	1699066.5988	200.933	8.456	0.41	18.31	4.21		5.40			5.57
-58	2	19	1699923.2922	328.770	181.944	1.56	18.59	19.86	20.87	21.67	22.47	23.48	5.53
-58	8	14	1700099.3498	138.408	0.583	1.77	17.31	21.48	22.47	23.31	0.16	1.14	6.55
-57	2	9	1700277.5993	317.892	189.894	0.13	18.79	4.16		4.88			5.31
-55	12	7	1701310.3678	254.175	180.702	1.76	19.07	22.07	23.03	23.86	0.68	1.65	4.92

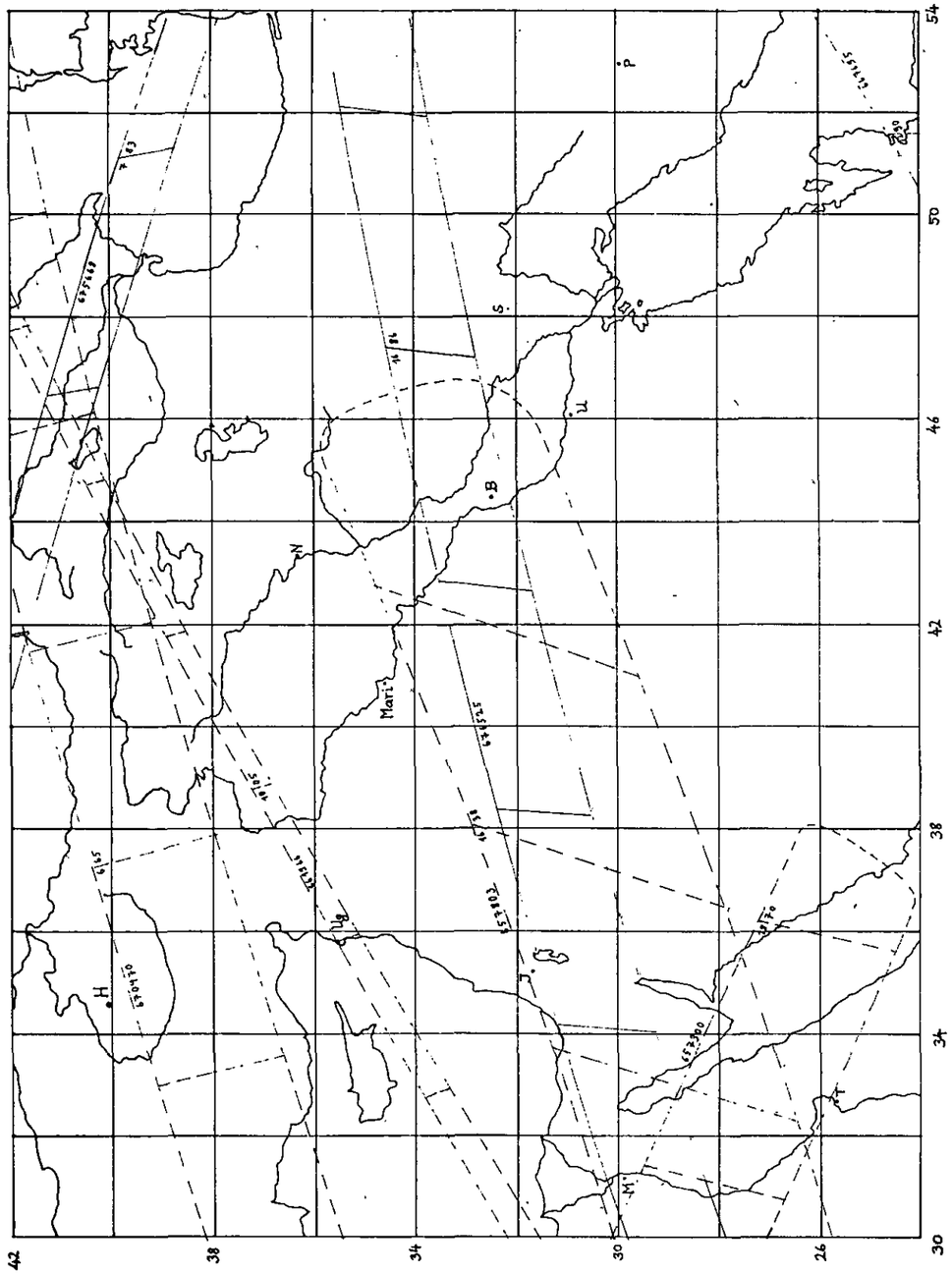
CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
-54	6	3	1701488.0526	69.045	4.949	0.97	17.08			(16.25)		17.98	6.93
-52	10	6	1702344.4275	191.510	172.561	0.55	18.22	0.16		1.53		2.90	5.70
-51	4	1	1702521.3547	9.284	0.034	1.88	17.93	21.64	22.58	23.41	0.25	1.19	6.17
-51	9	25	1702698.4727	180.284	180.028	1.81	18.00	0.47	1.55	2.43	3.32	4.40	5.93
-50	9	14	1703052.4863	169.095	187.489	0.53	17.78	1.21		2.57		3.93	6.14
-48	1	30	1703555.4013	308.499	353.958	0.77	18.86	22.85		0.43		2.01	5.19
-47	1	18	1703909.3895	297.173	1.255	1.60	19.01	22.10	23.20	0.05	0.89	1.99	5.02
-47	7	15	1704086.6666	109.062	182.232	1.53	17.02	5.16	6.14	6.91			6.97
-46	1	7	1704263.4574	285.871	8.681	0.35	19.12	0.49		1.61		2.74	4.88
-46	7	4	1704441.2225	98.820	190.917	0.05	16.94	19.70		20.15		20.59	7.06
-44	11	7	1705297.5572	223.067	0.432	1.80	18.64	2.75	3.72	4.55			5.25
-43	5	2	1705474.1543	38.952	185.941	0.87	17.40			18.67		20.25	6.73
-41	9	5	1706330.3119	159.829	351.788	0.43	17.63	21.39		22.62		23.85	6.24
-40	3	2	1706508.6237	339.603	181.426	1.63	18.51	3.84	4.85	(5.67)			5.61
-40	8	25	1706684.6738	149.123	0.034	1.86	17.38	5.30	6.27	(7.12)			6.47
-39	8	14	1707039.2942	138.740	8.470	0.57	17.36	20.60		21.86		23.13	6.49
-38	12	29	1707541.2955	276.386	172.791	0.63	19.17	20.67		22.08		23.49	4.87
-37	6	25	1707719.1338	89.973	355.724	1.13	16.95		17.84	18.30	18.76	20.04	7.00
-36	6	13	1708073.3217	79.435	4.040	1.12	17.01	20.89	22.23	22.70	23.17	0.51	6.98
-36	12	7	1708250.3673	254.560	188.544	0.55	19.04	22.49		23.73		0.98	4.95
-34	4	23	1708752.0786	30.101	350.694	0.34	17.51			(17.06)		18.12	6.58
-33	4	13	1709106.6760	19.868	359.336	1.78	17.82	5.43	(6.37)	(7.20)			6.28
-32	4	1	1709461.3875	9.699	7.846	0.67	17.96	22.74		0.09		1.44	6.14
-30	8	5	1710317.2856	129.804	172.982	0.80	17.26	20.43		21.87		23.31	6.66
-28	7	15	1711026.5198	109.302	190.123	0.17	16.99	2.47		3.26		4.05	6.99
-27	11	28	1711528.3198	245.128	352.505	0.71	18.95	21.51		22.89		0.26	4.97
-26	5	24	1711705.1821	59.858	176.614	1.25	17.17	17.69	18.90	19.53	20.15	21.37	6.93
-25	5	13	1712059.4457	49.397	185.080	1.02	17.33	0.04	1.53	1.70	1.87	3.36	6.80
-25	11	7	1712237.2858	223.185	8.227	0.43	18.75	20.68		21.90		23.13	5.15
-23	3	23	1712739.3747	0.781	172.435	0.70	18.13	22.57		23.95		1.33	6.02
-23	9	16	1712915.6290	170.679	351.359	0.36	17.72	5.15		(6.29)			6.14
-21	3	2	1713448.2300	339.606	189.074	0.26	18.38	19.08		20.08		21.08	5.74
-21	8	26	1713624.6266	149.471	7.901	0.66	17.42	4.54		5.88			6.43
-19	7	5	1714304.4207	100.423	354.871	0.98	16.94	23.49		1.16		2.83	7.00
-18	6	25	1714658.5892	89.842	3.126	1.28	16.97	3.22	4.43	5.10	5.77	6.97	7.01
-16	5	3	1715337.3799	40.577	349.894	0.21	17.39	23.49		0.34		1.20	6.69
-16	10	28	1715515.0997	213.662	172.256	0.49	18.64			(17.73)		19.03	5.30
-15	10	17	1715869.1150	202.292	179.542	1.73	18.43			(17.94)	18.82	19.90	5.51
-14	10	6	1716223.1334	190.979	186.887	0.64	18.21			18.21		19.67	5.71
-12	8	16	1716902.6161	140.474	172.370	0.70	17.35	4.45		5.82			6.56
-11	8	5	1717257.3037	130.208	180.815	1.75	17.23	20.40	21.36	22.19	23.02	23.98	6.69
-10	1	29	1717434.1346	307.996	8.345	0.42	18.90			(17.77)		18.98	5.15
-8	6	3	1718290.4548	70.250	175.705	1.09	17.12	0.30	1.68	2.07	2.47	3.85	6.96
-8	11	28	1718468.2847	245.480	0.376	1.80	18.99	20.12	21.09	21.93	22.77	23.74	4.93
-7	11	18	1718822.6340	234.363	8.180	0.44	18.82	5.00		(6.23)			5.08
-4	3	23	1719679.2640	1.058	180.332	1.81	18.06	19.32	20.32	21.18	22.03	23.03	6.08
-4	9	15	1719855.3397	170.779	359.152	1.73	17.82	21.40	22.38	23.21	0.04	1.02	6.03
-3	3	13	1720033.5355	350.352	188.546	0.35	18.28	2.34		3.48		4.62	5.84
-1	7	17	1720889.7115	110.904	354.071	0.84	16.94	6.53		(8.12)			6.98
0	1	9	1721066.4637	287.732	180.563	1.78	19.11	0.12	1.07	1.90	2.73	3.68	4.96
2	11	8	1722100.4400	224.810	172.168	0.47	18.76	0.60		1.89		3.18	5.18
3	5	4	1722277.3081	40.893	357.772	1.54	17.41	20.75	21.73	22.49	23.26	0.24	6.68
3	10	28	1722454.4431	213.386	179.385	1.70	18.56	23.88	0.97	1.84	2.71	3.80	5.38
4	10	16	1722808.4659	202.023	186.688	0.68	18.34	0.74		2.24		3.73	5.59
6	3	3	1723311.3434	341.143	352.830	0.57	18.37	21.69		23.11		0.52	5.70
7	2	20	1723665.3406	330.028	0.342	1.76	18.57	20.90	21.98	22.86	23.74	0.81	5.49
7	8	17	1723842.6275	140.874	180.197	1.85	17.33	4.19	5.15	5.98			6.59
8	2	9	1724019.4658	318.967	8.070	0.48	18.79	0.45		1.71		2.98	5.27
8	8	5	1724197.1223	130.416	188.682	0.40	17.23			17.71		18.87	6.70
10	6	15	1724875.7281	80.646	174.795	0.93	17.09	6.93		(8.62)			6.98
10	12	10	1725053.6491	256.697	0.364	1.80	19.02	4.78	(5.76)	(6.60)			4.91
11	6	4	1725230.0316	70.232	183.327	1.32	17.03			(15.78)	(16.45)	17.55	7.06
13	10	7	1726086.2881	192.590	350.767	0.27	18.19	21.23		22.22		23.21	5.69
14	4	4	1726264.5743	11.681	179.673	1.80	17.97	2.85	3.85	4.71	5.56		6.17

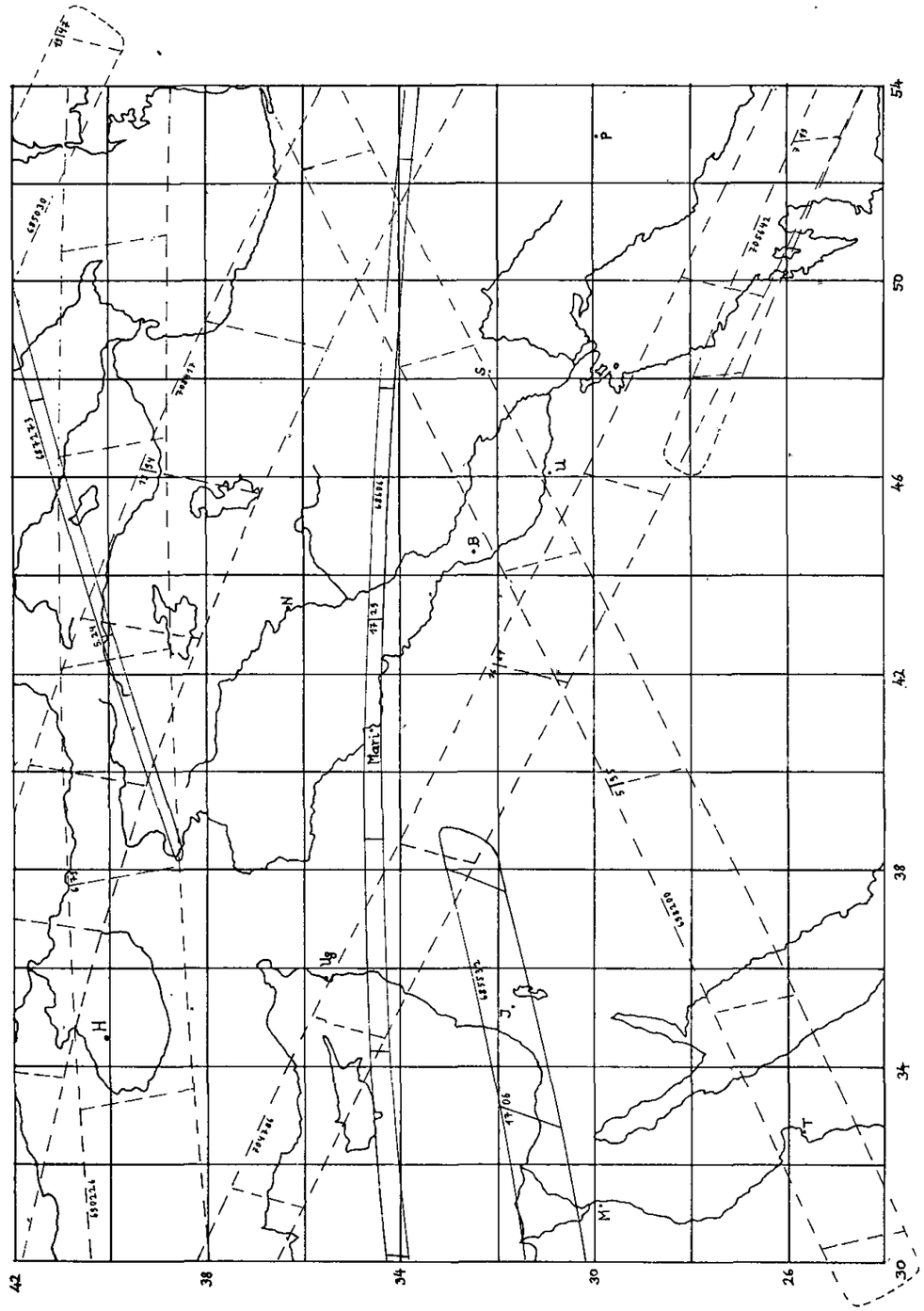
CY	CM	CD	JDN	L	P	PMA	TR	TPB	TTB	TM	TTE	TPE	TS
14	9	27	1726440.6829	181.716	358.831	1.68	17.91	5.70	(6.68)	(7.50)			5.95
15	9	16	1726795.3122	171.142	7.017	0.79	17.86	21.00		22.44		23.87	5.98
17	1	30	1727297.3296	309.652	172.340	0.57	18.91	21.38		22.72		0.07	5.19
18	7	16	1727829.1337	110.734	1.412	1.58	17.06		17.27	18.12	18.97	20.07	6.86
19	1	9	1728006.4777	288.136	188.382	0.58	19.08	0.85		2.12		3.39	4.99
19	7	5	1728183.1654	99.990	9.339	0.21	17.03	17.87		18.77		19.67	6.91
21	5	15	1728862.6190	51.356	356.918	1.41	17.30	4.28	5.29	5.99	6.69		6.78
22	5	4	1729217.3423	41.316	5.568	1.02	17.44	21.63	23.04	23.20	23.37	0.78	6.65
24	3	14	1729896.6412	351.881	352.278	0.47	18.24	5.01		(6.32)			5.84
24	9	6	1730073.2904	162.027	171.348	0.54	17.74	20.86		22.09		23.33	6.16
25	3	3	1730250.6439	340.844	359.871	1.80	18.44	4.23	5.30	(6.19)			5.63
26	8	16	1730782.4274	141.067	188.046	0.50	17.34	23.77		1.05		2.33	6.59
27	12	31	1731284.4336	278.763	352.408	0.69	19.07	24.00		1.36		2.73	4.92
29	6	14	1731815.3246	80.651	182.439	1.47	17.01	20.99	22.04	22.80	23.56	0.60	7.06
29	12	9	1731993.3289	256.765	8.103	0.44	19.11	21.53		22.77		0.02	4.84
31	4	25	1732495.3360	32.517	170.294	0.35	17.61	22.20		23.24		0.28	6.54
31	10	19	1732671.6278	203.644	350.582	0.25	18.28	5.46		(6.41)			5.60
33	4	3	1733204.1243	11.629	187.253	0.57	17.83			(17.76)		19.17	6.30
33	9	27	1733380.6641	182.085	6.698	0.84	17.93	5.47		(6.94)			5.91
35	8	7	1734060.3013	132.017	352.620	0.58	17.21	20.89		22.28		23.67	6.66
36	1	31	1734237.1795	309.885	180.225	1.84	18.84			18.99	19.82	20.77	5.27
36	7	26	1734414.4115	121.246	0.626	1.72	17.10	22.82	23.90	0.78	1.66	2.74	6.80
37	7	15	1734768.4436	110.455	8.512	0.35	17.04	0.28		1.43		2.58	6.88
38	11	30	1735271.1249	247.185	172.071	0.44	19.07			(18.24)		19.50	4.92
39	11	19	1735625.1097	235.694	179.201	1.67	18.92			(17.80)	(18.67)	19.76	5.05
40	5	15	1735802.6545	51.774	4.731	1.15	17.33	5.09	6.27	6.73			6.74
40	11	7	1735979.1463	224.273	186.466	0.72	18.74			(18.58)		20.10	5.21
42	9	18	1736658.6374	172.908	170.967	0.48	17.85	5.31		(6.48)			6.05
43	9	7	1737013.2887	162.411	179.194	1.74	17.72	20.15	21.12	21.95	22.78	23.74	6.18
44	3	2	1737190.1122	340.702	7.291	0.62	18.39			(17.30)		18.70	5.69
46	7	6	1738046.2823	101.498	173.042	0.64	17.03	20.41		21.87		23.33	6.97
46	12	31	1738224.3718	279.088	0.290	1.81	19.11	21.94	22.92	23.76	0.61	1.59	4.88
47	6	26	1738400.6223	91.081	181.584	1.61	17.01	4.09	5.10	5.92	6.74		7.04
48	6	14	1738755.2351	80.948	190.334	0.27	16.96	19.62		20.54		21.46	7.10
49	5	6	1739080.6457	43.003	169.465	0.22	17.54	5.89		(6.72)			6.61
50	4	25	1739435.1766	32.754	178.166	1.55	17.53		18.49	19.30	20.11	21.15	6.61
50	10	18	1739611.3869	203.795	358.406	1.61	18.37	22.71	23.69	0.49	1.29	2.27	5.50
51	4	14	1739789.4073	22.178	186.489	0.70	17.72	23.10		0.63		2.17	6.41
53	8	18	1740645.6004	142.667	351.975	0.47	17.29	4.21		5.48			6.58
54	2	11	1740822.5289	320.872	179.939	1.87	18.79	1.59	2.54	3.37	4.20	5.15	5.34
54	8	7	1740999.6917	131.816	359.883	1.80	17.16	5.55	6.63	(7.52)			6.72
55	1	31	1741177.2006	310.300	188.032	0.64	18.81			19.38		20.70	5.31
56	12	10	1741856.4664	258.383	172.024	0.43	19.14	1.11		2.36		3.61	4.86
57	6	5	1742033.2402	72.229	355.167	1.14	17.02	19.28	20.46	20.91	21.35	22.53	6.99
57	11	29	1742210.4451	246.884	179.137	1.66	19.02	23.84	0.93	1.80	2.66	3.75	4.96
58	11	18	1742564.4913	235.457	186.408	0.73	18.85	1.31		2.83		4.36	5.11

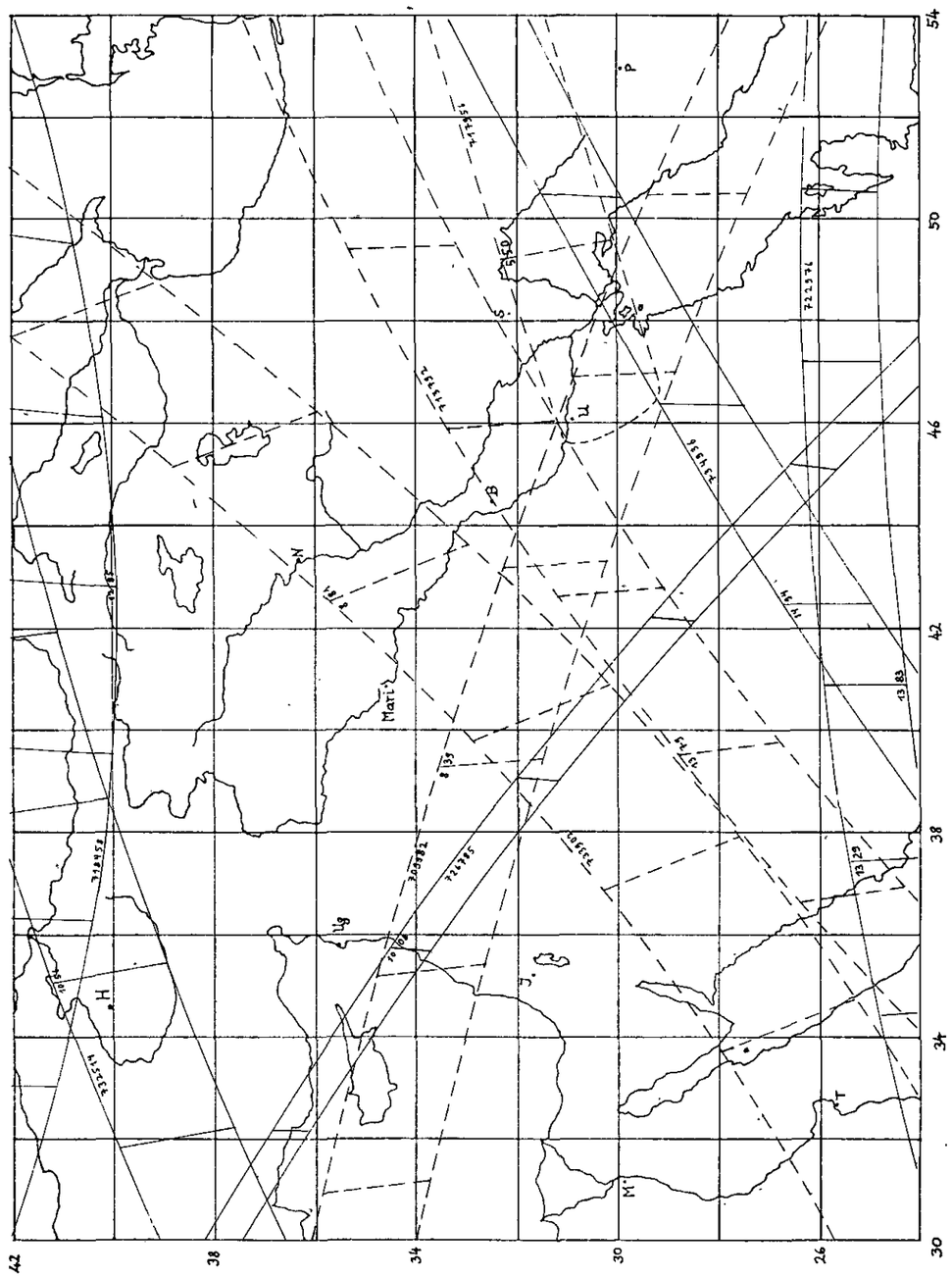
Part III

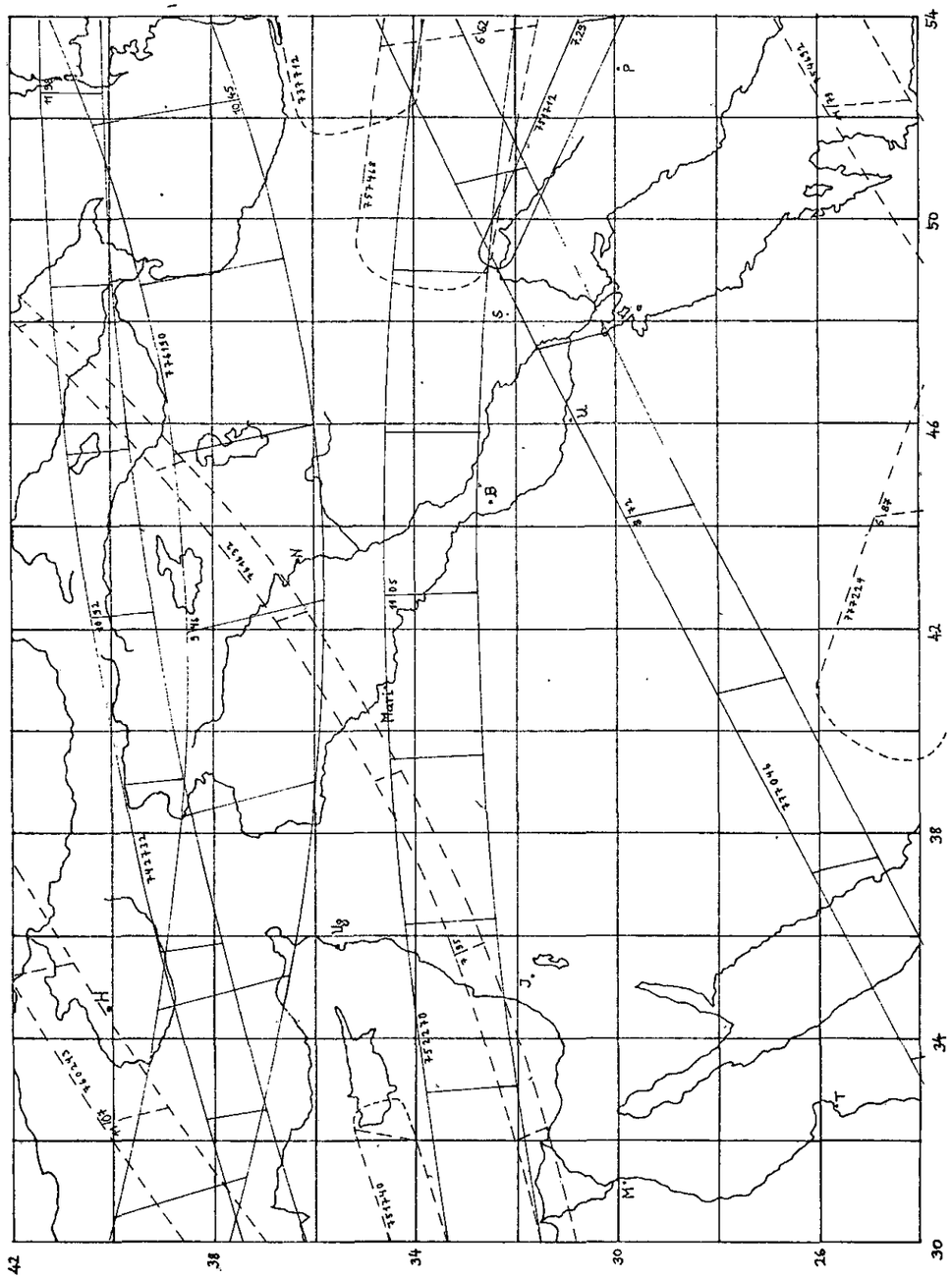
Maps

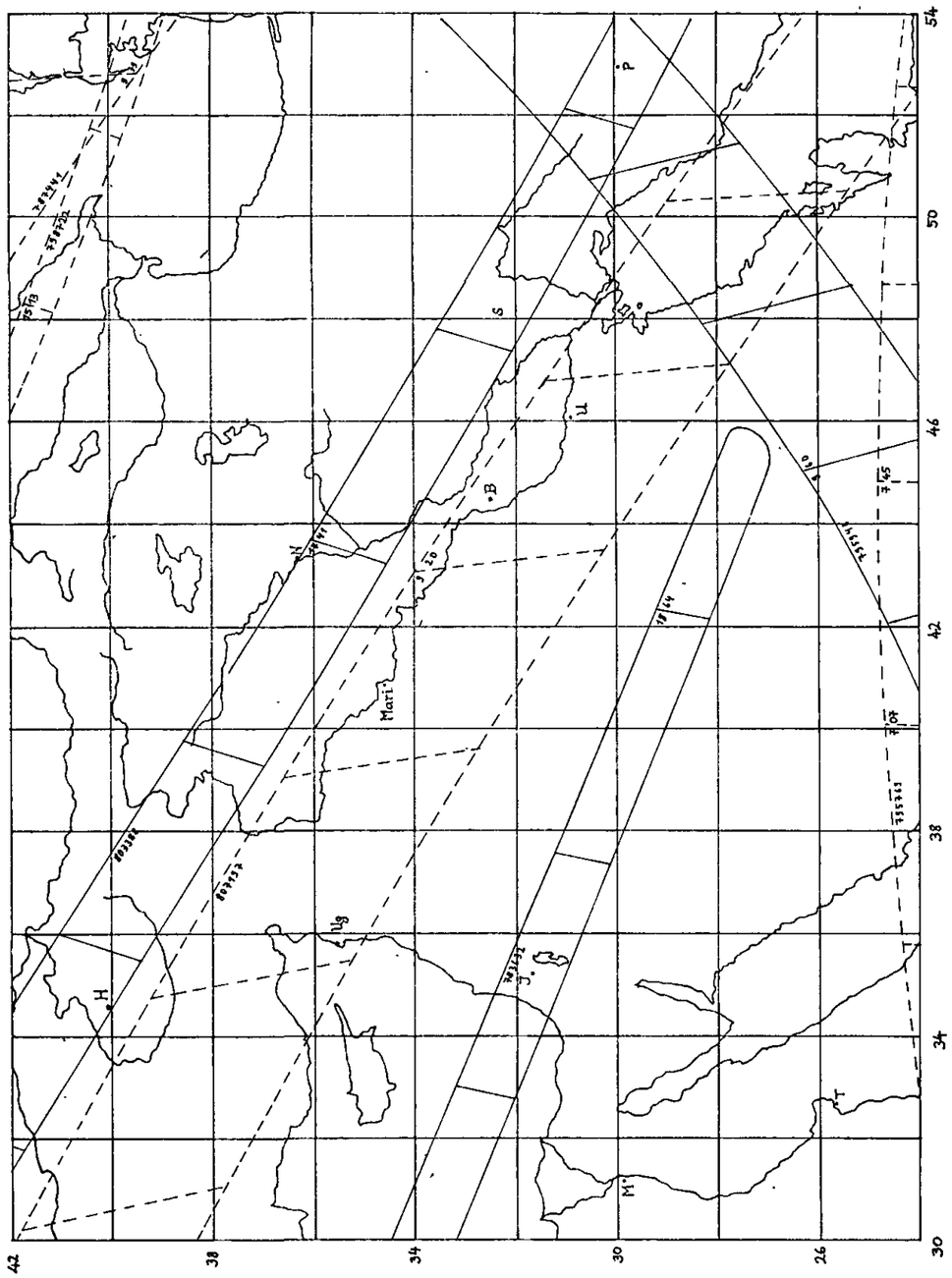

54
50
46
42
38
34
30
42
38
34
30
26
Mari
H
J
M
T
B
N
S
P

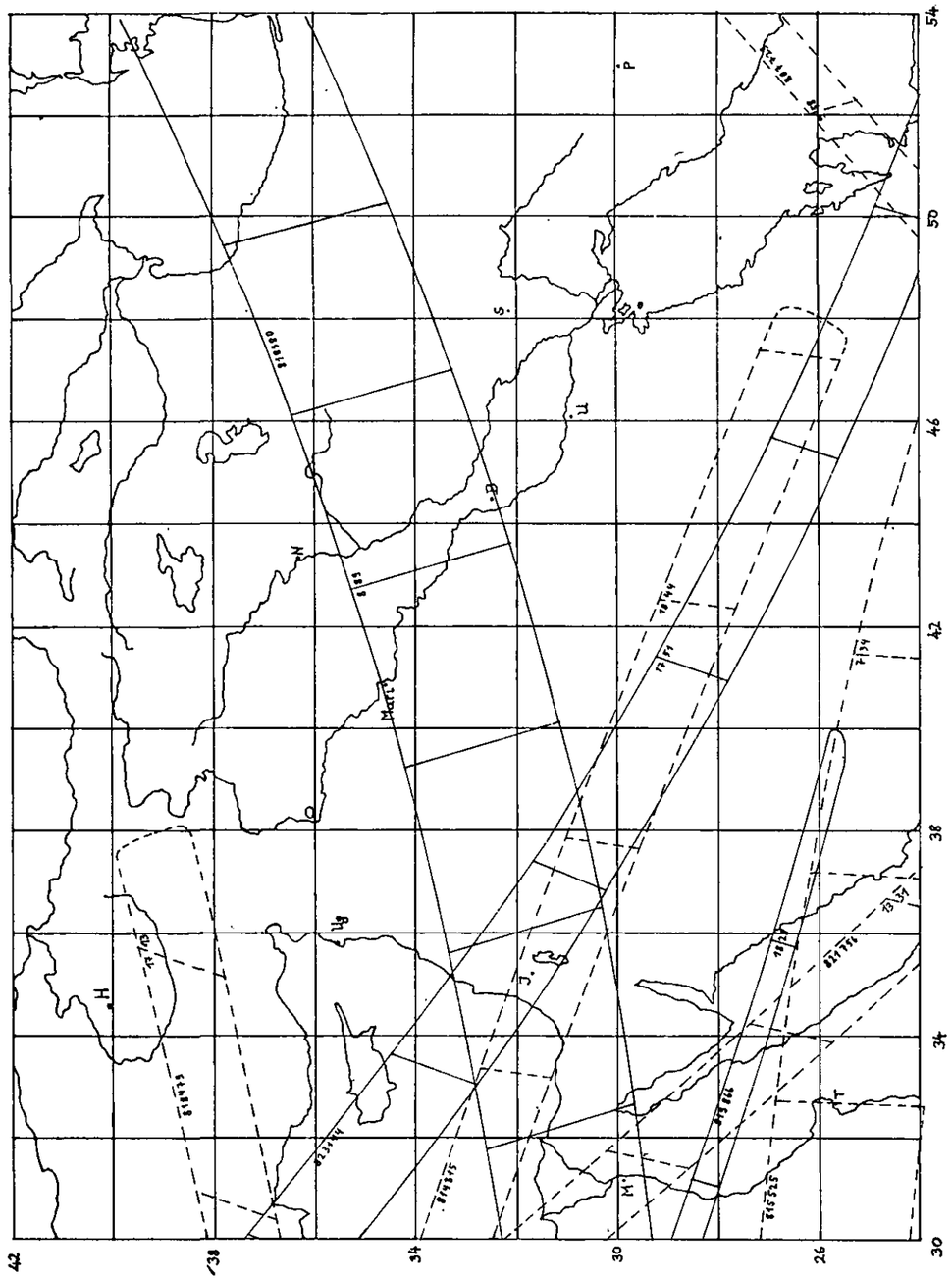

54
50
46
42
38
34
30
26
30
34
38
42
Mari?
H
B
S
N
T
P
M
J

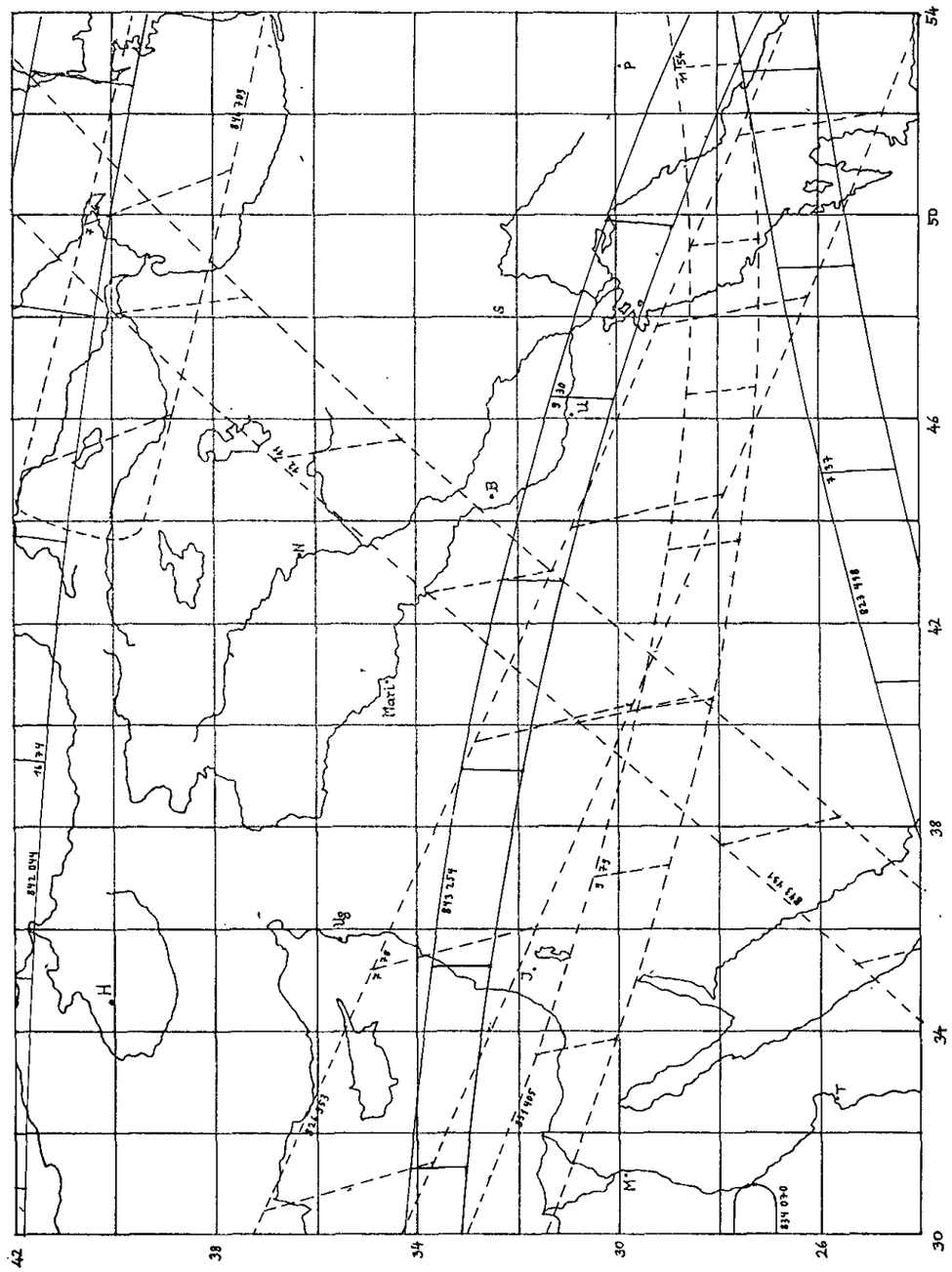

54
50
46
42
38
34
30
26
30
34
38
42
Mari?
H
B
S
N
T
P
M
J

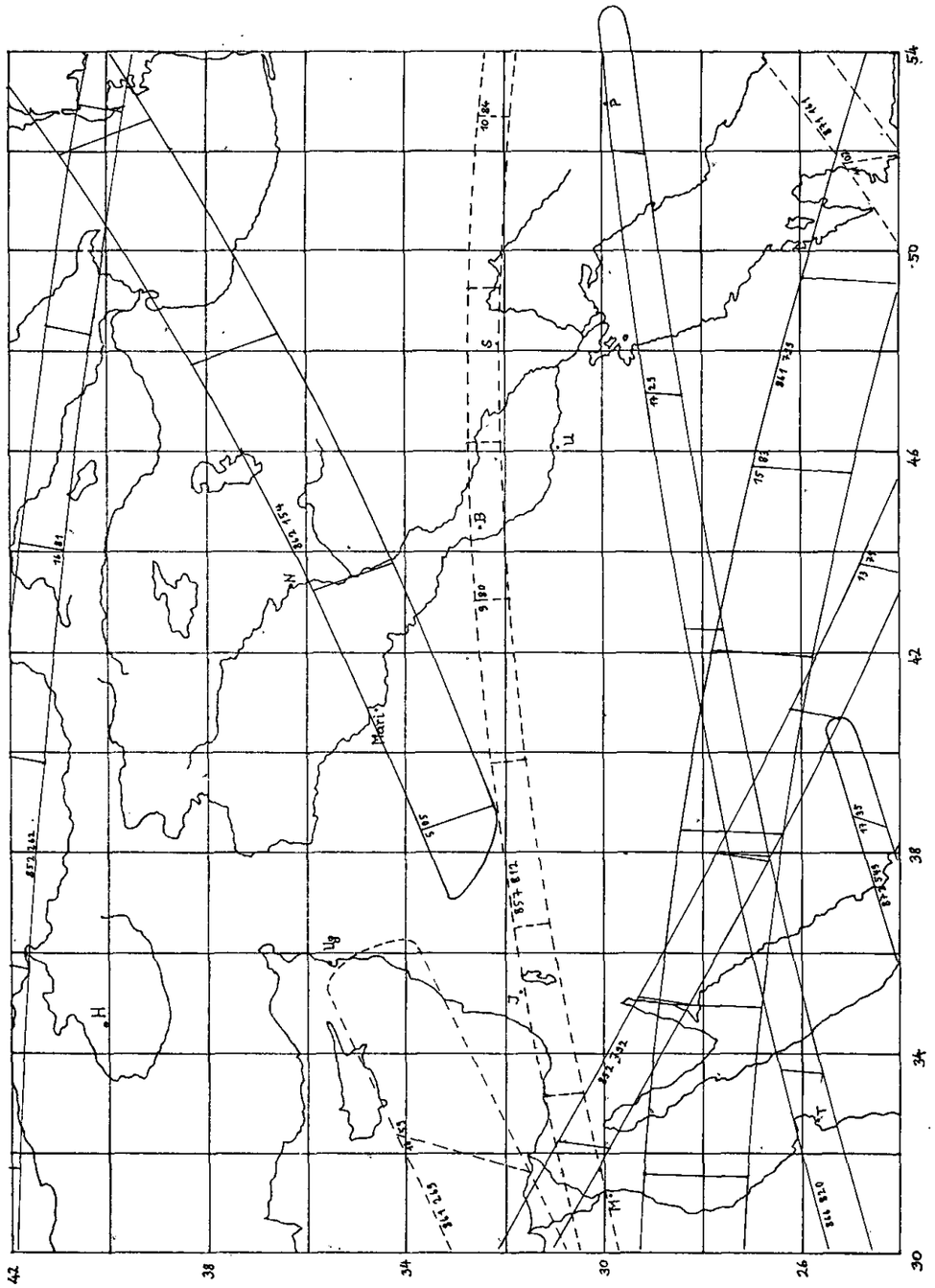


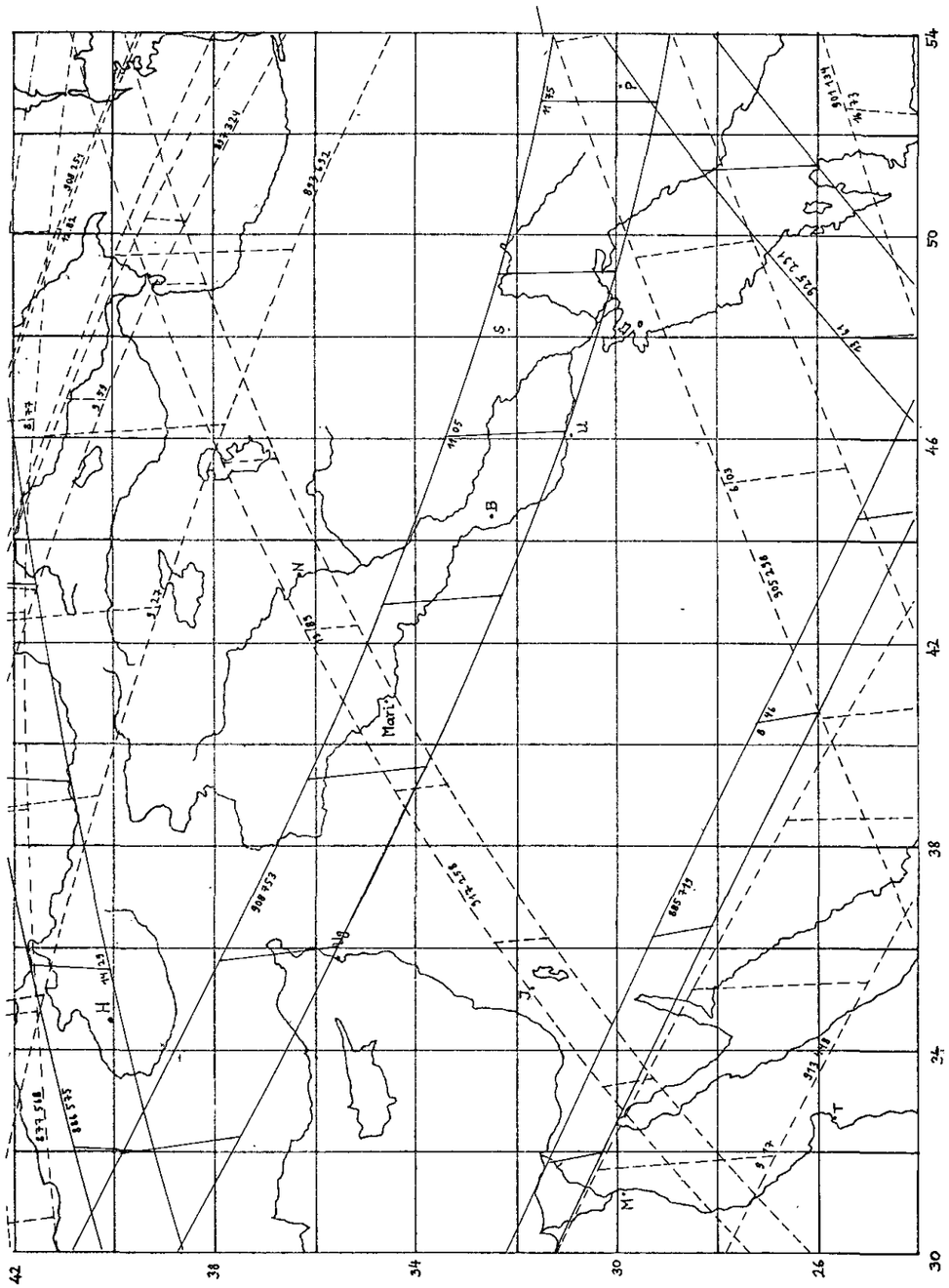


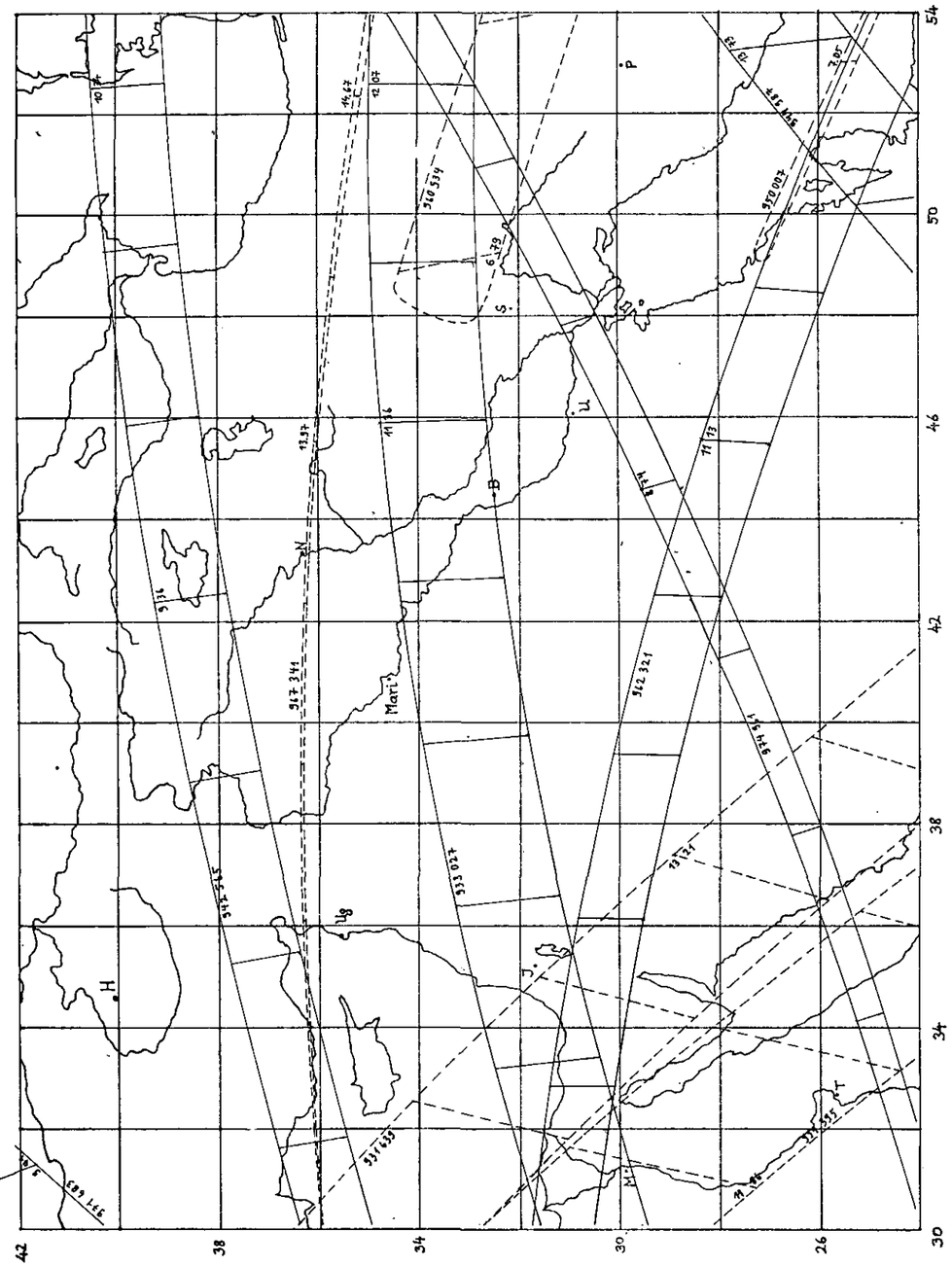

42
38
34
30
26
30
34
38
42
46
50
54
Mari
H
Mg
J
B
E
S
T
M
P

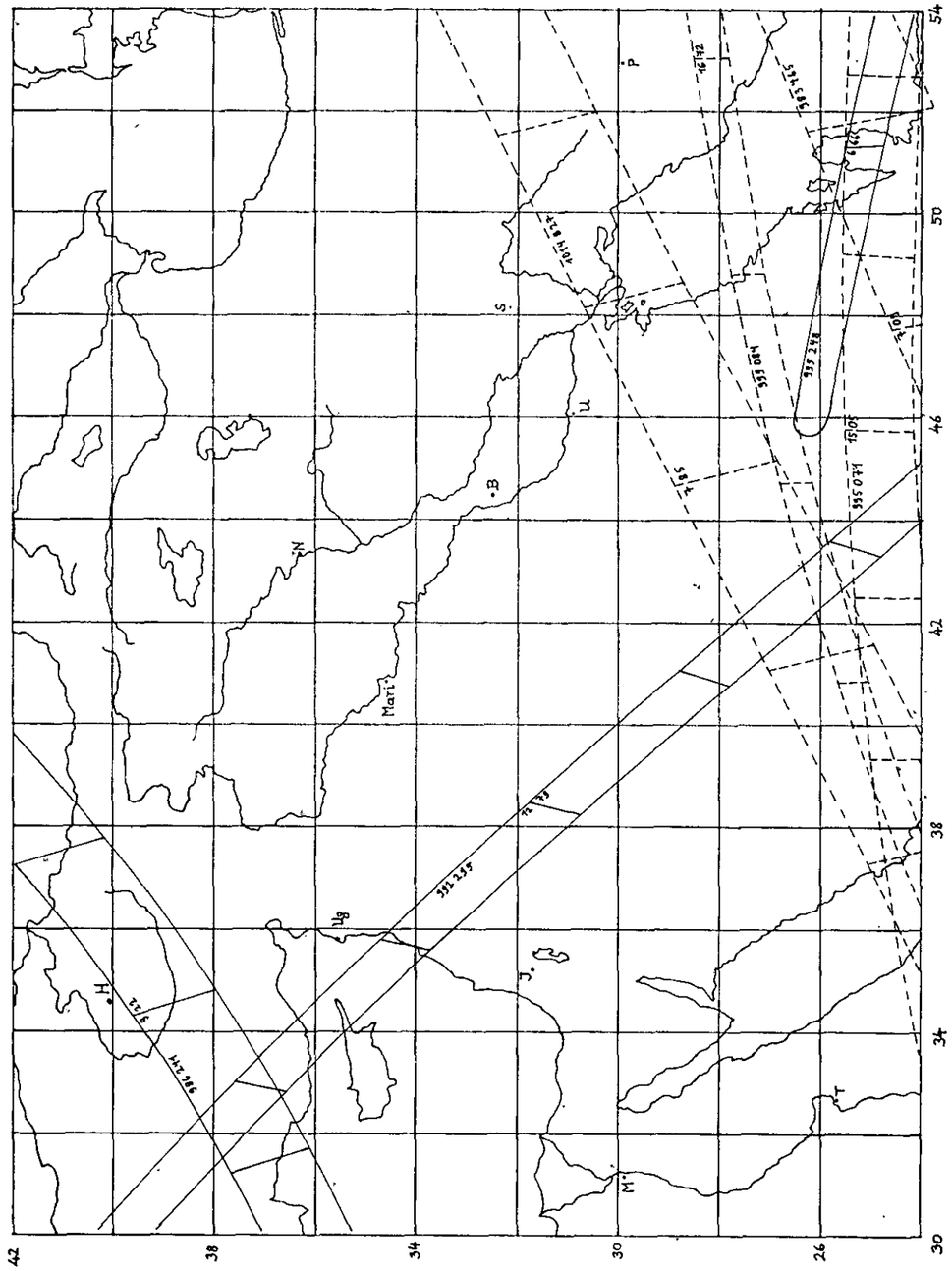

42
38
34
30
26
30
34
38
42
46
50
54
Mari
H
Mg
J
B
E
S
T
M
P

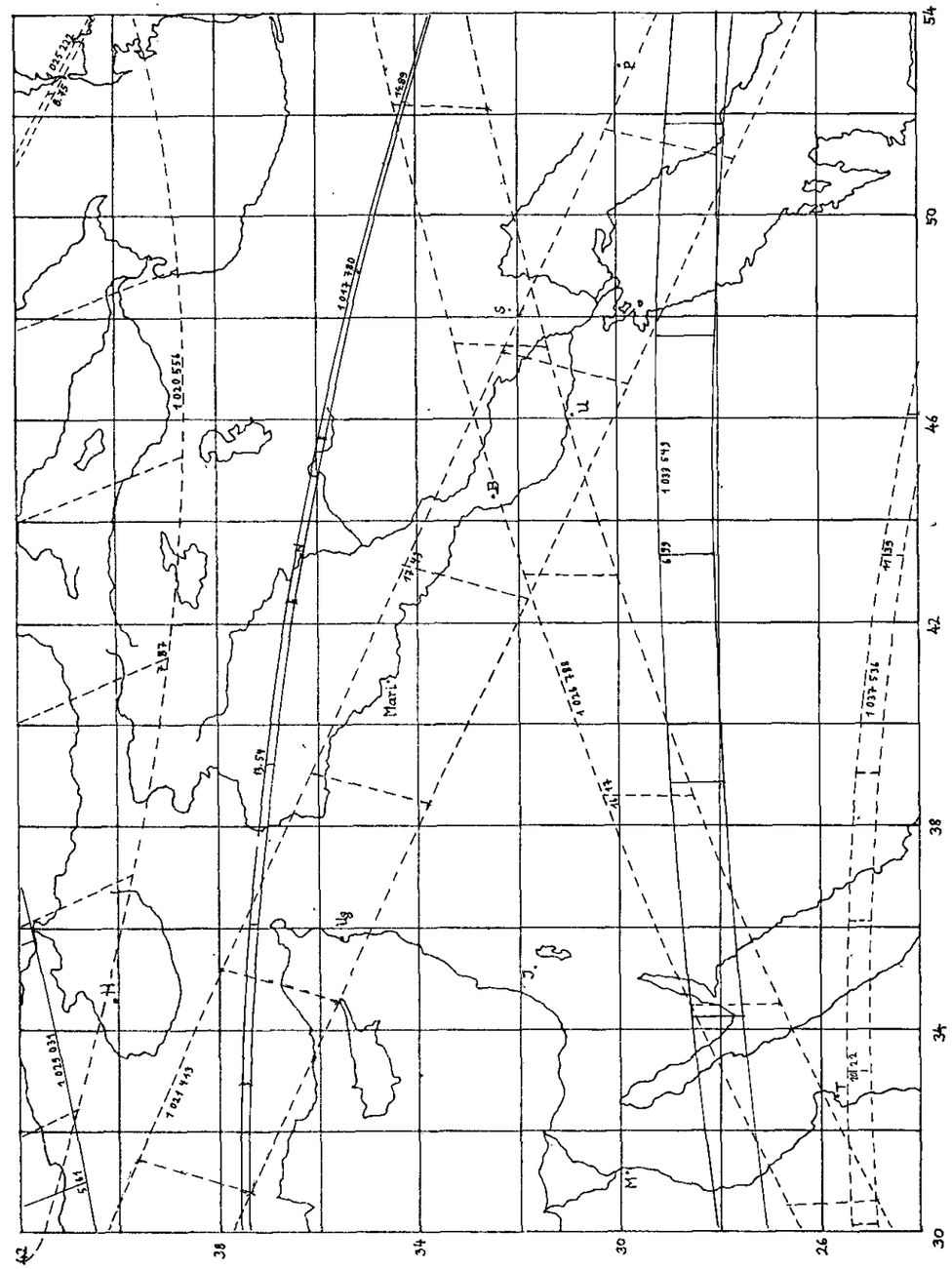

Mari
Ug
H
J
E
B
S
P
T
M
Y
42
38
34
30
26
30
34
38
42
46
50
54

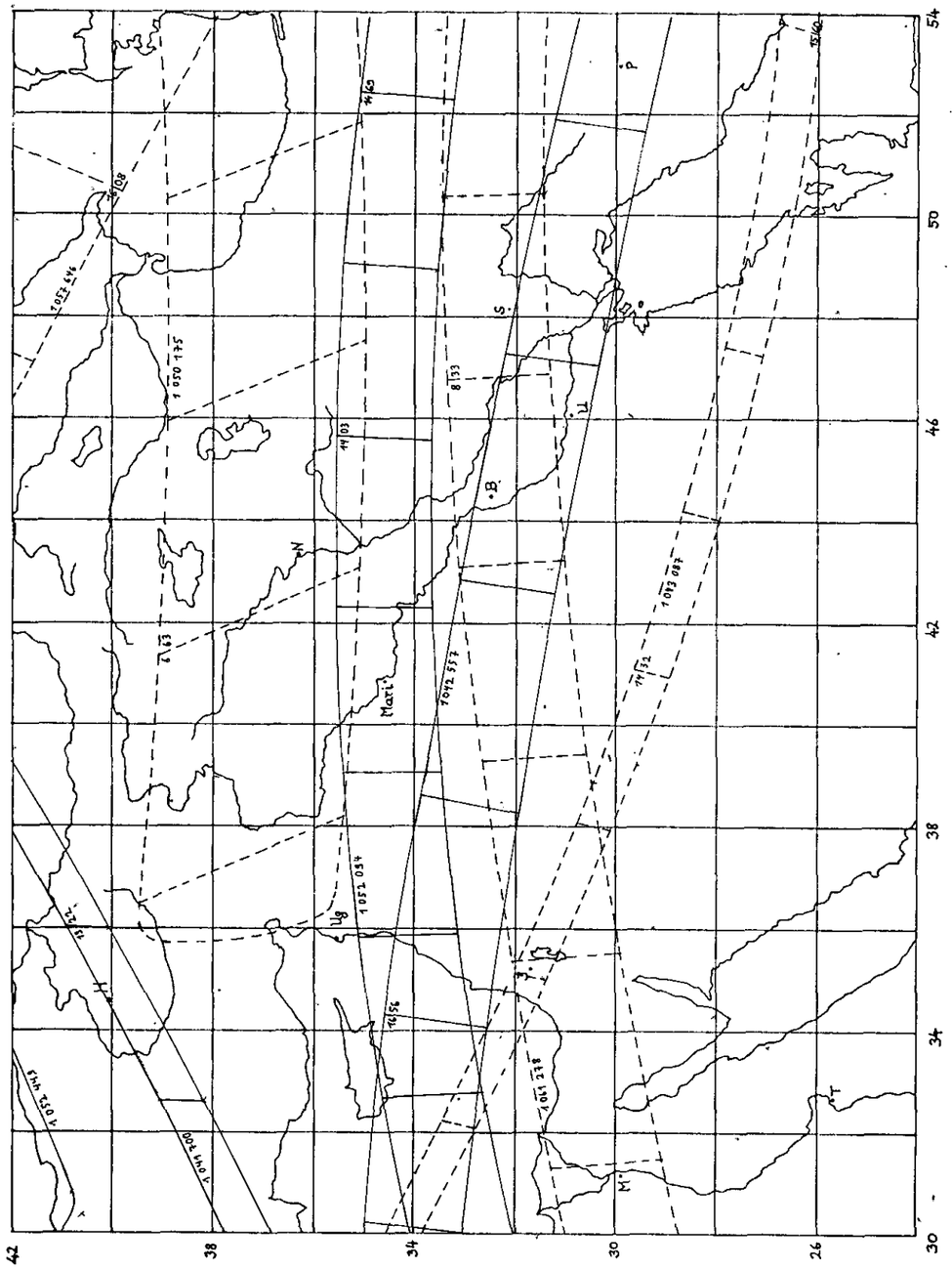

Mari
Ug
H
J
E
B
S
P
T
M
Y
42
38
34
30
26
30
34
38
42
46
50
54

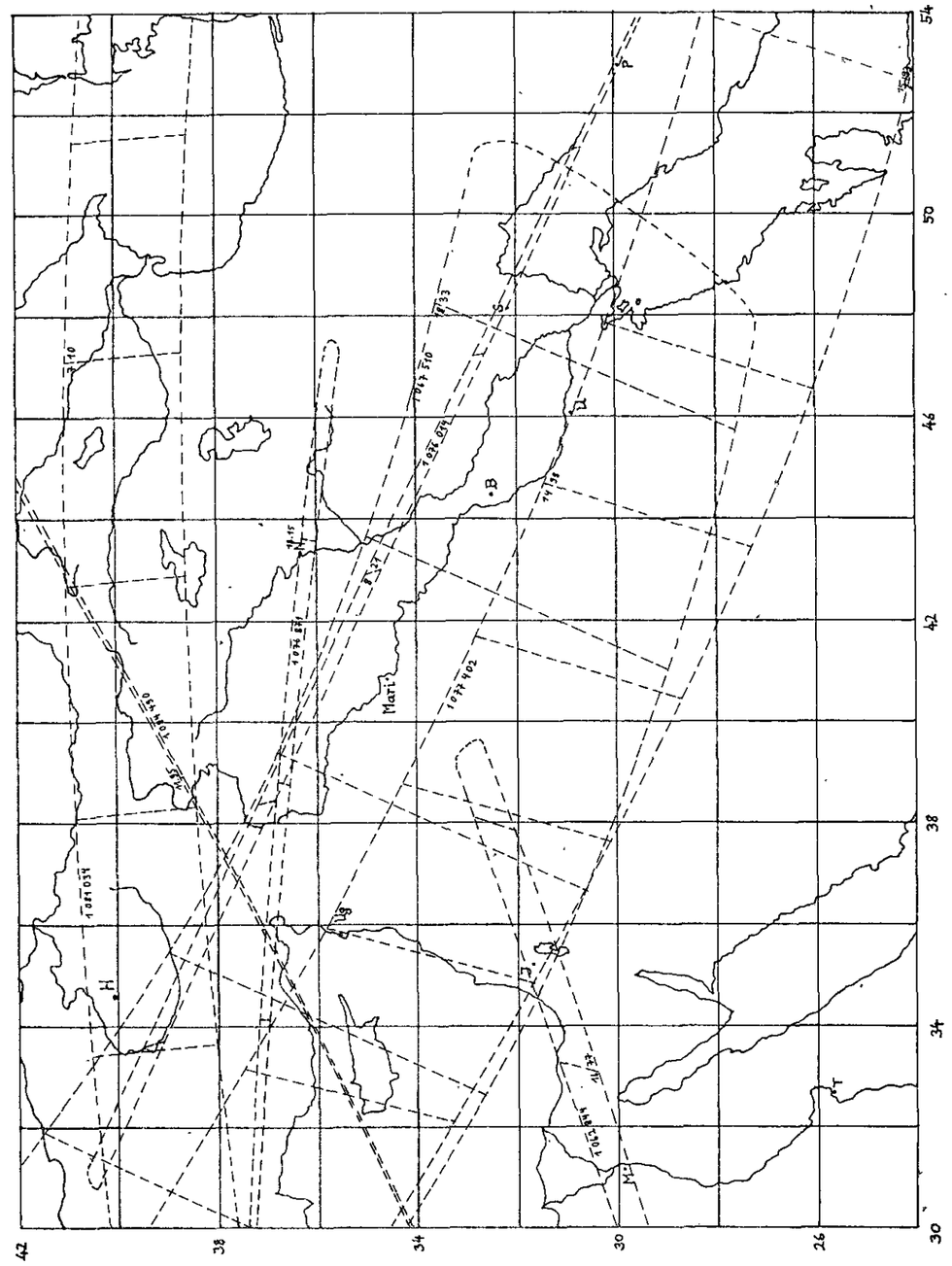


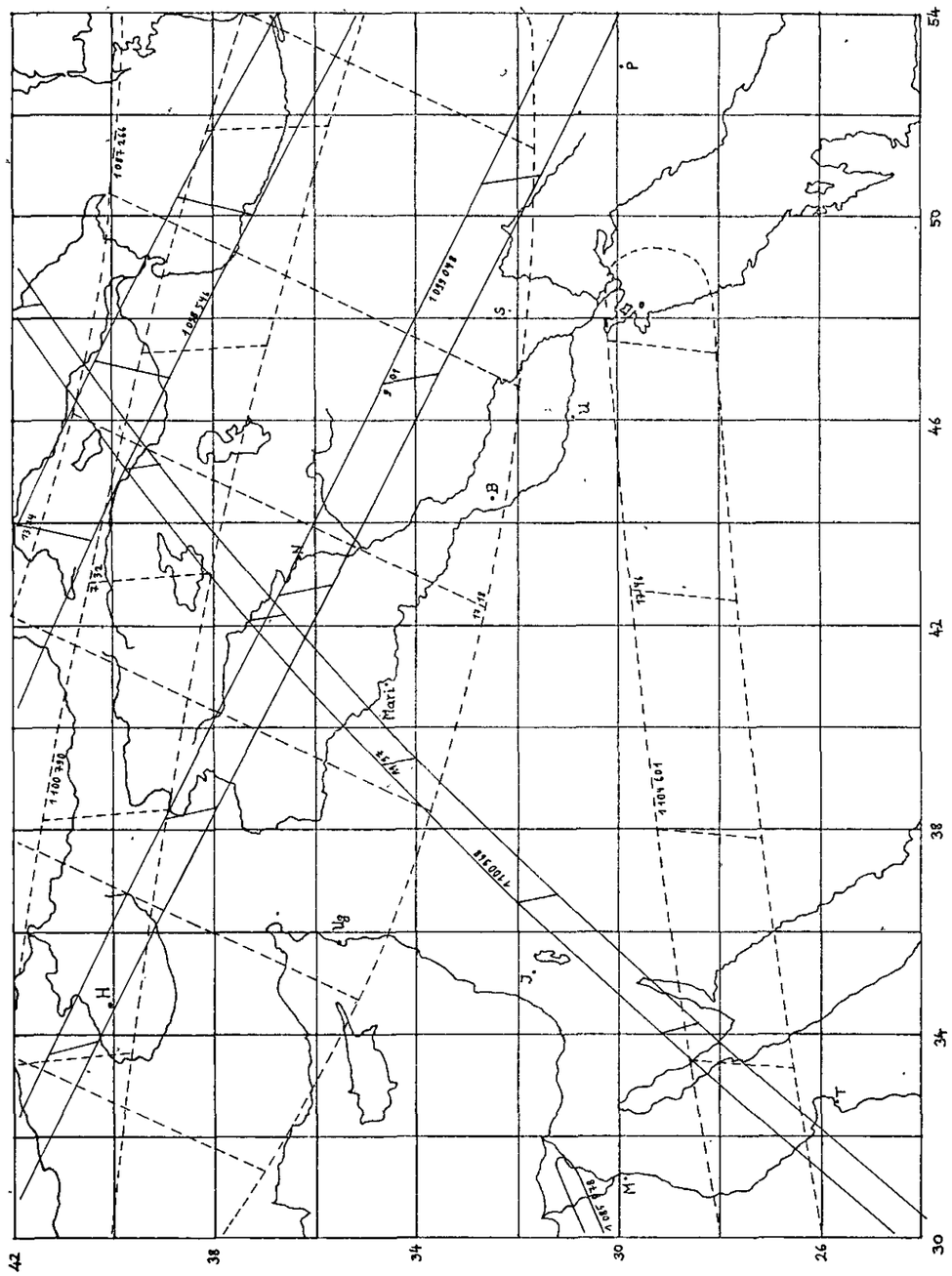


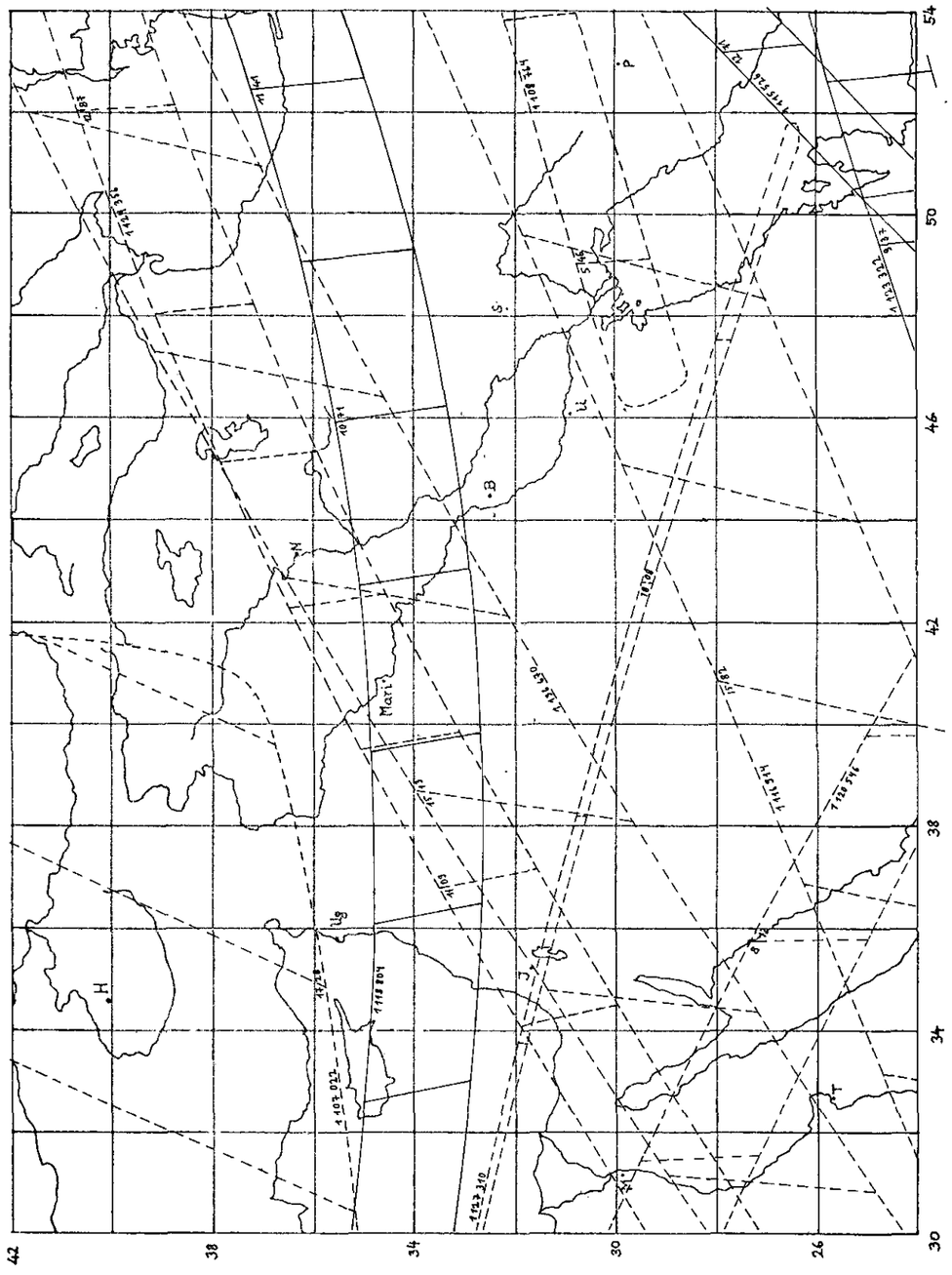


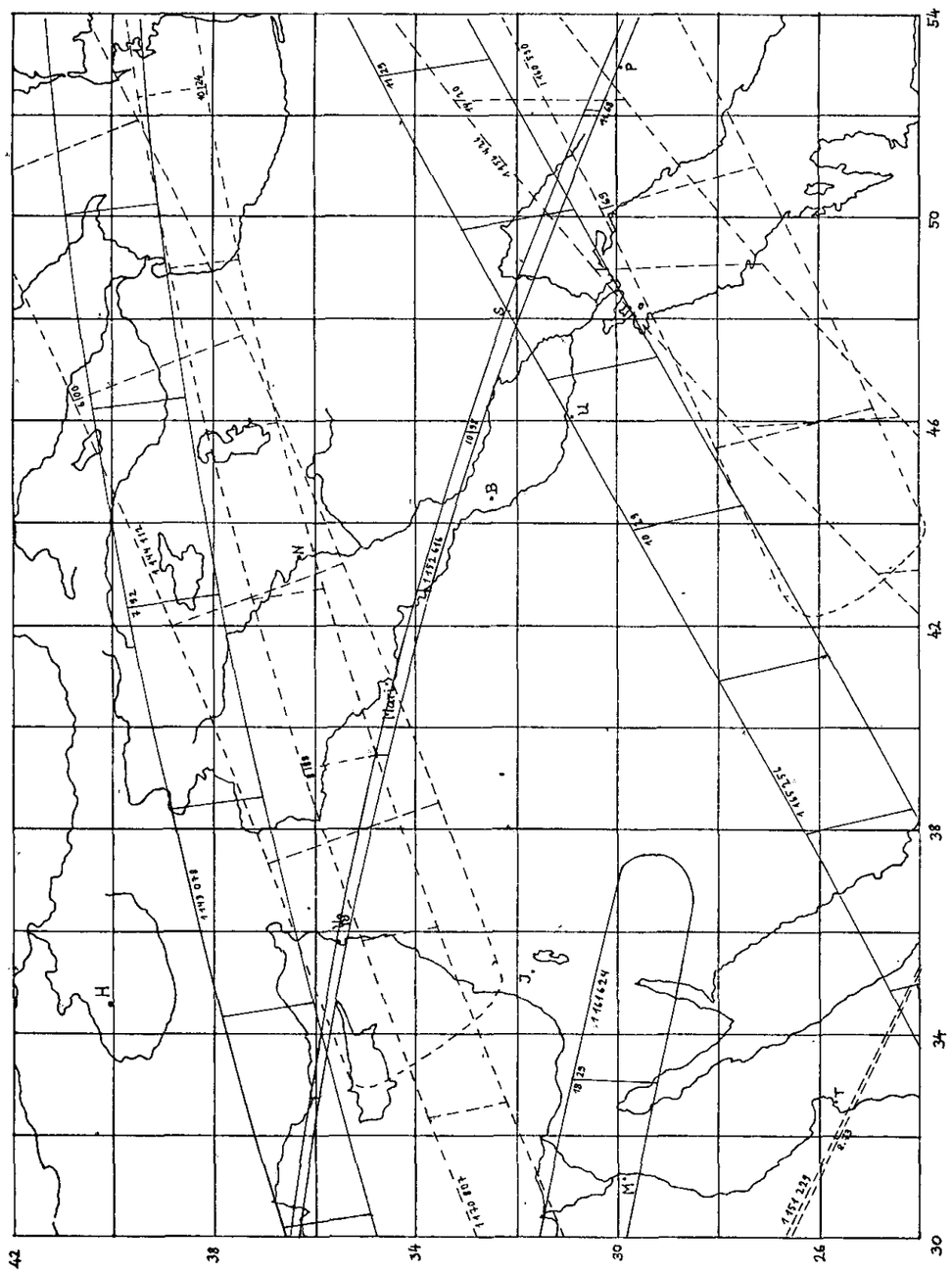


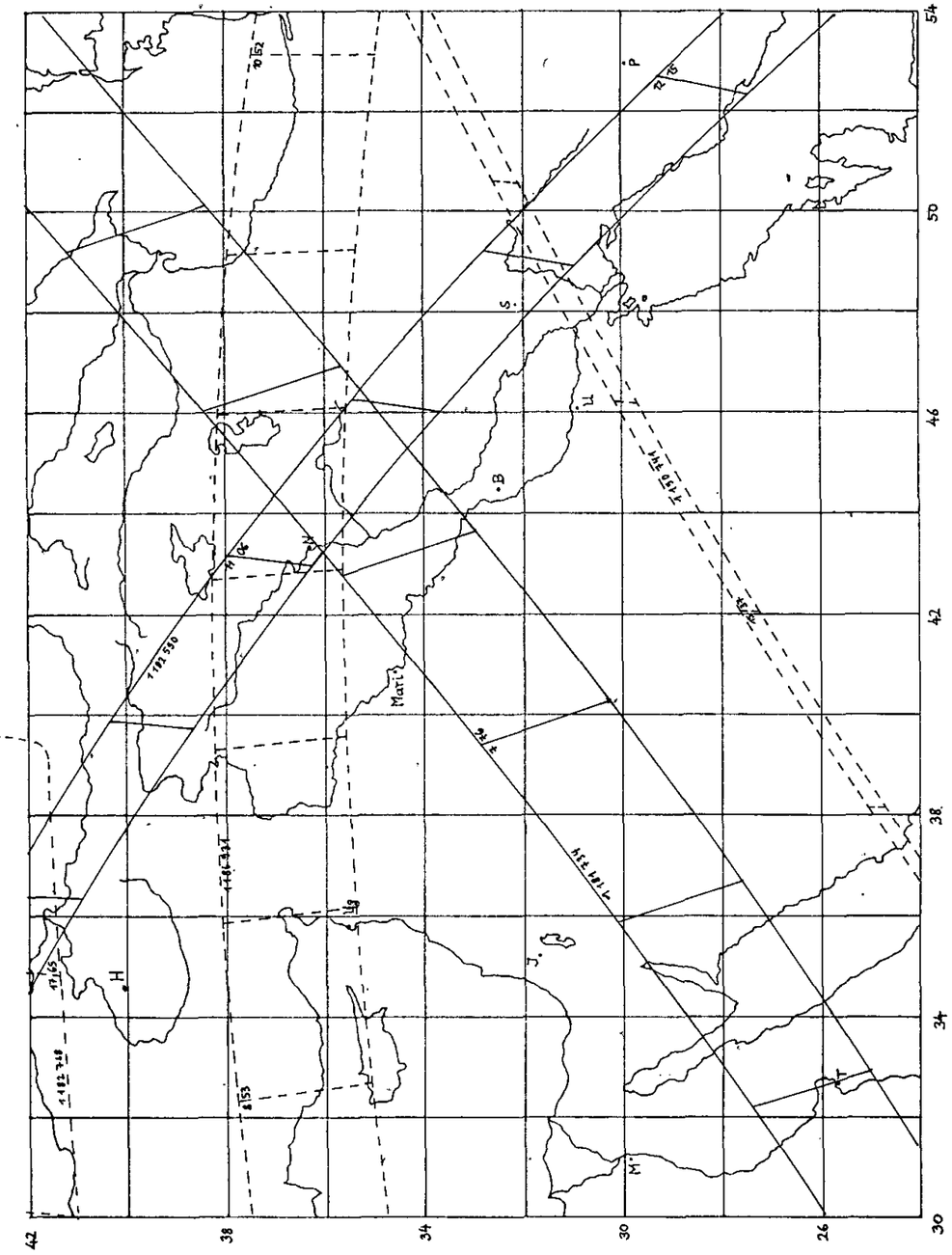

Mari
42
38
34
30
26
30
34
38
42
46
50
54

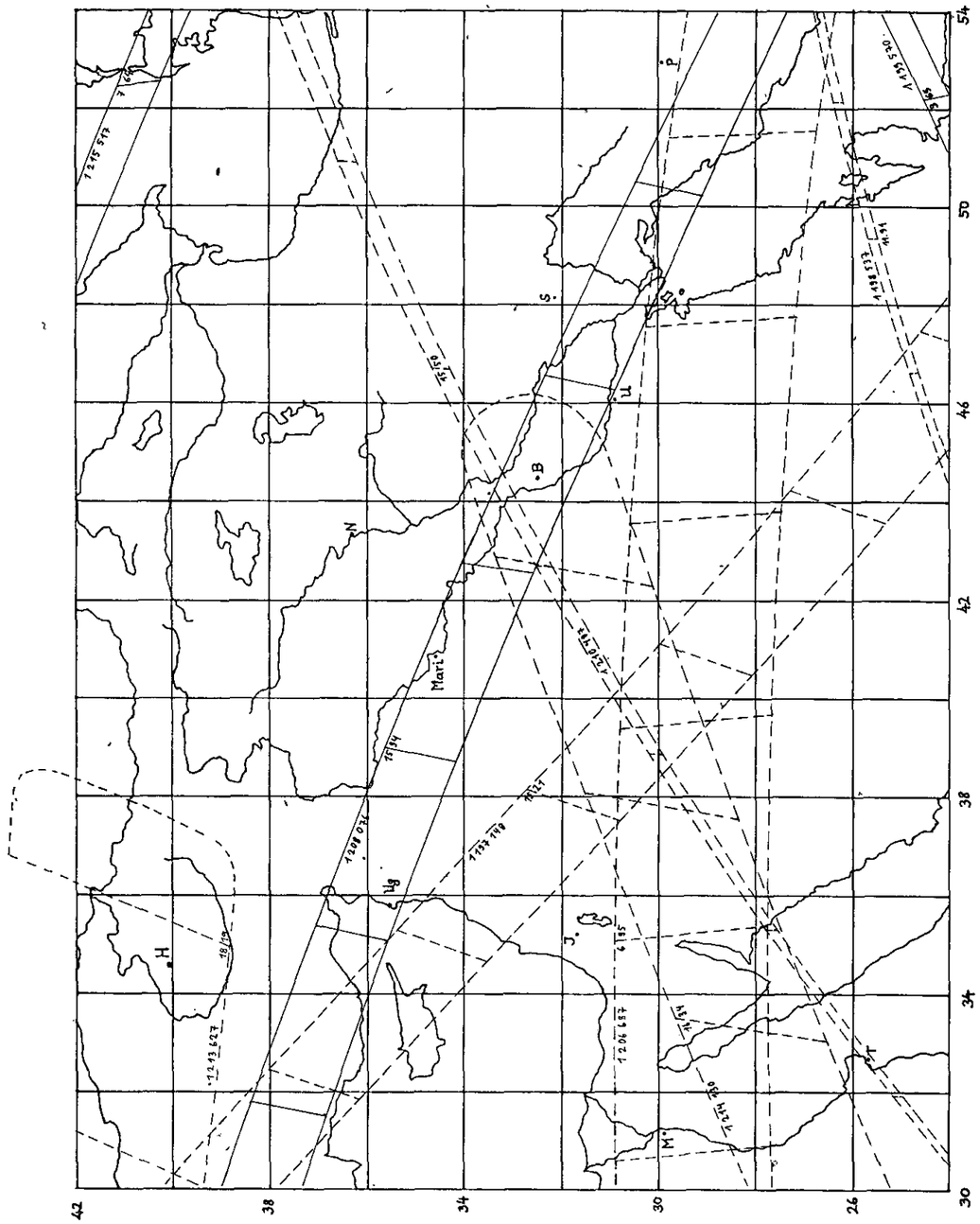

Mari
42
38
34
30
26
30
34
38
42
46
50
54

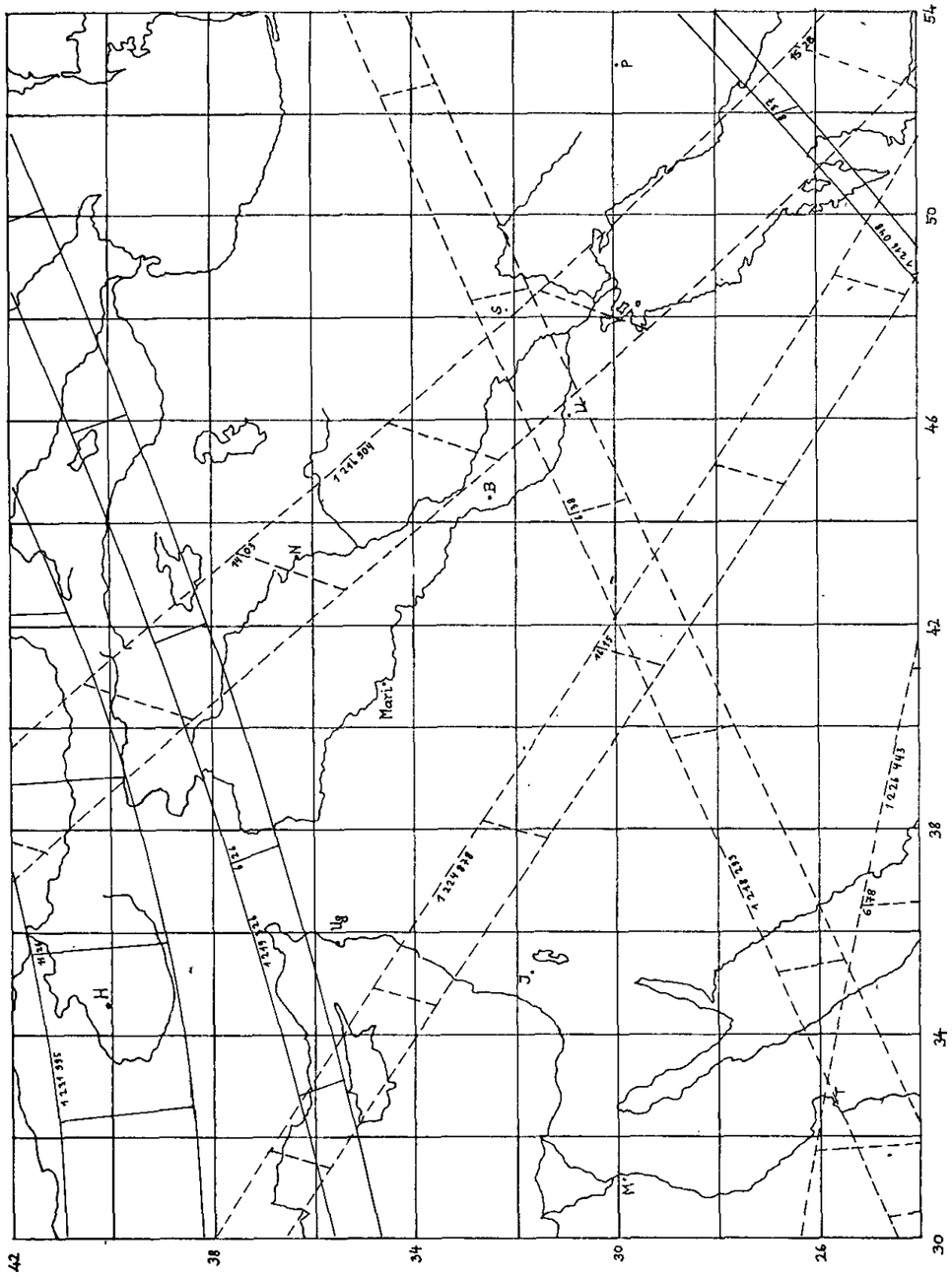

54
50
46
42
38
34
30
42
38
34
30
26
Mari
Ug
H
T
M
B
S
N
P

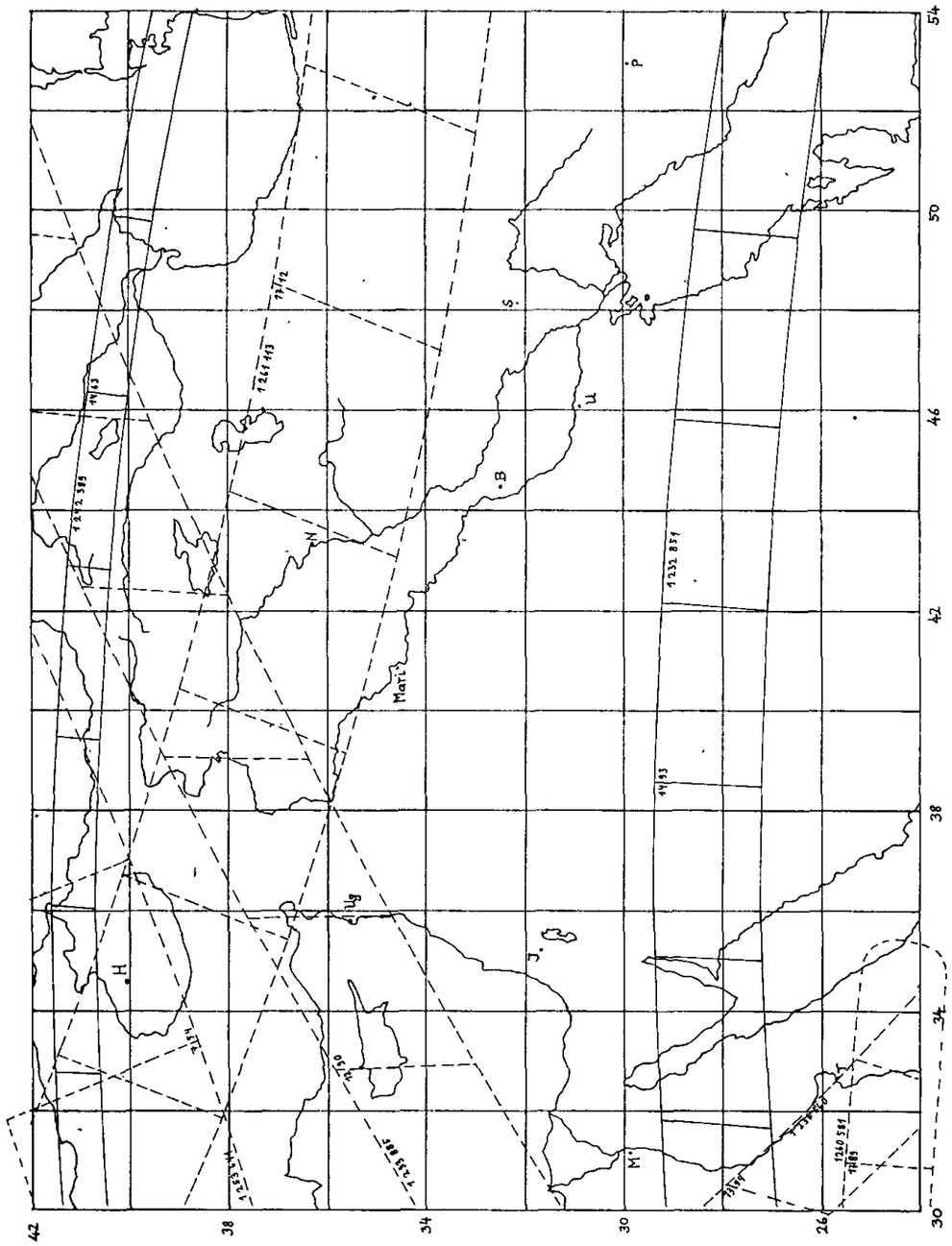

54
50
46
42
38
34
30
42
38
34
30
26
Mari
Ug
H
T
M
B
S
N
P

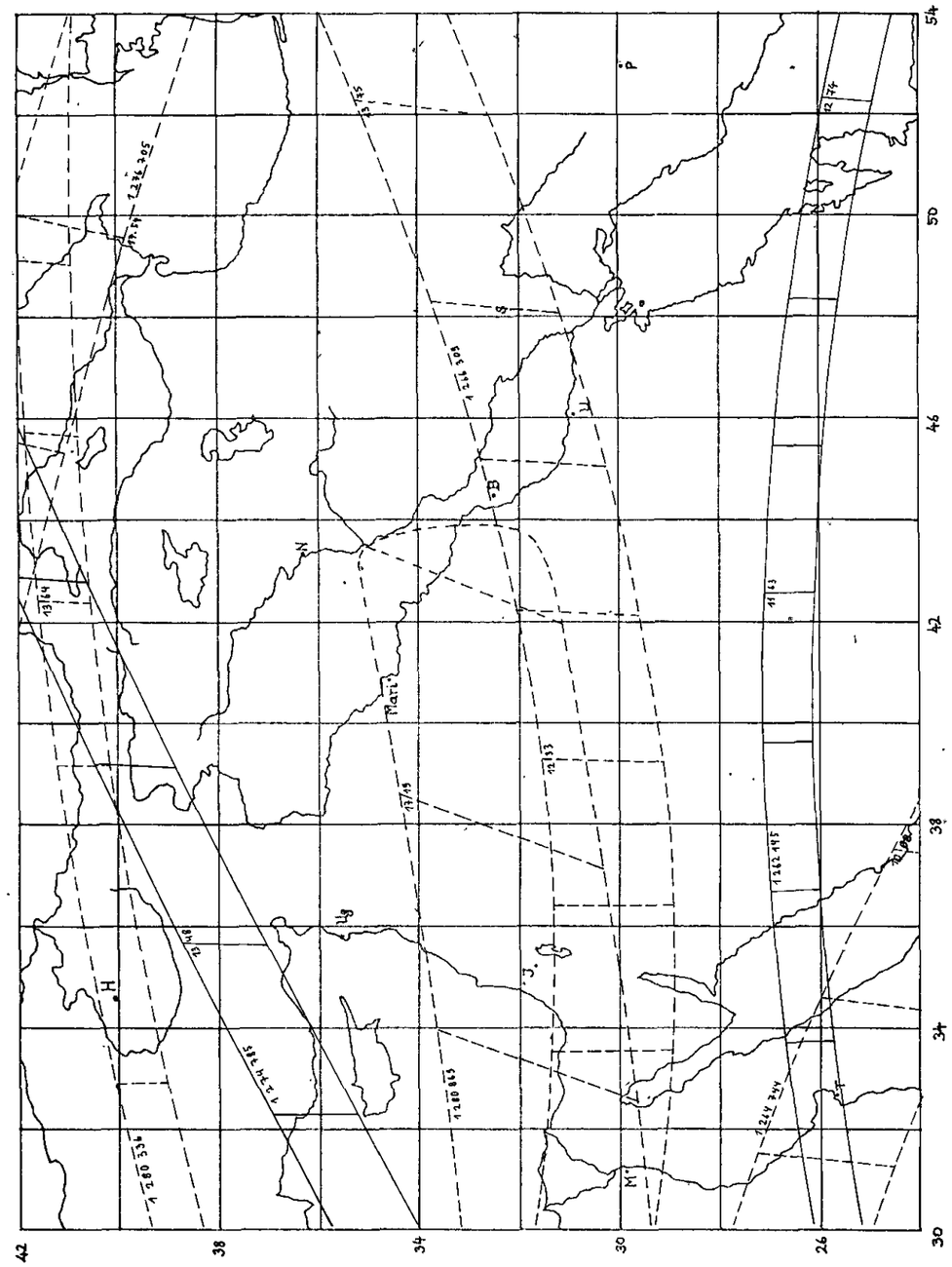


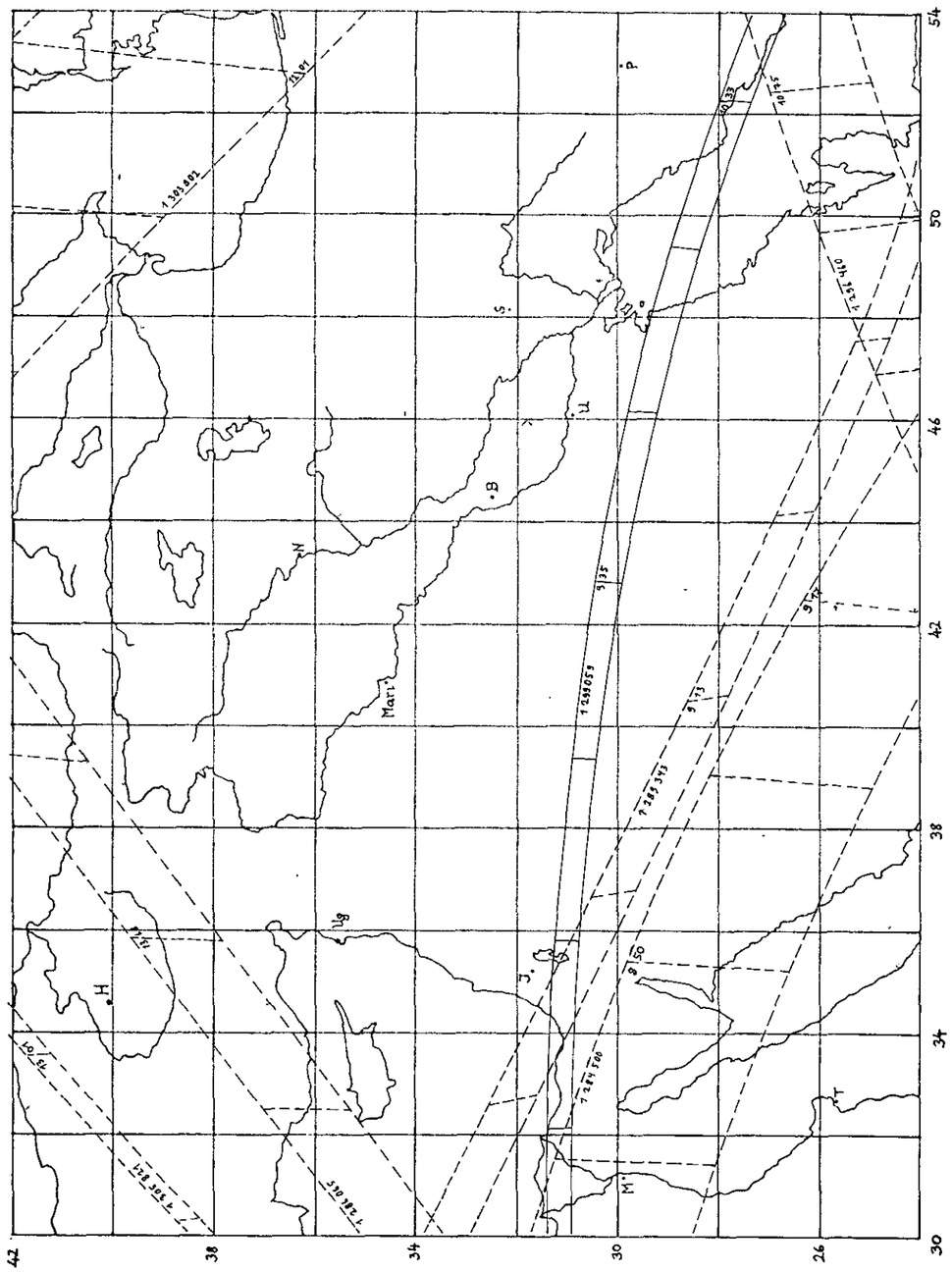


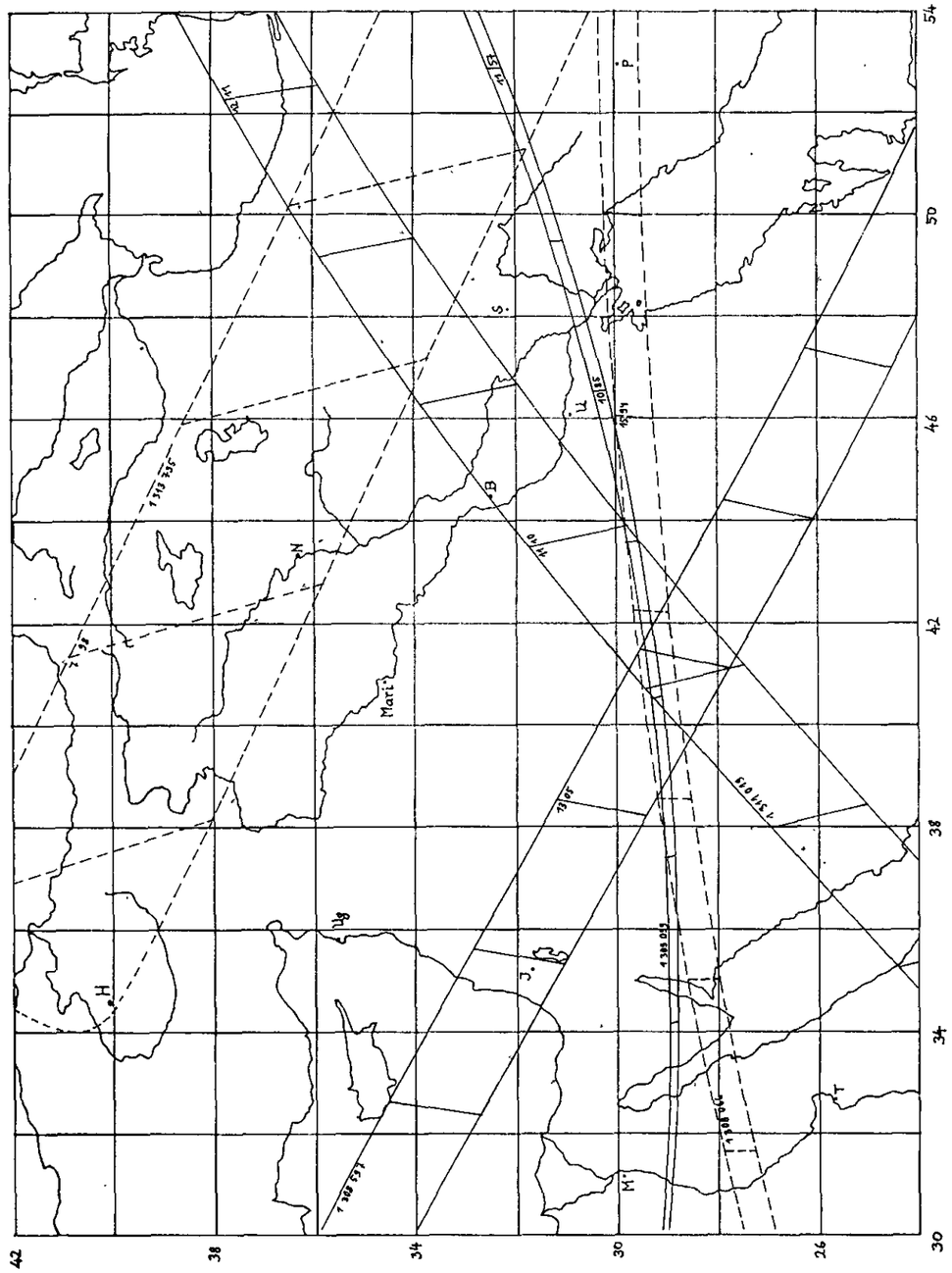


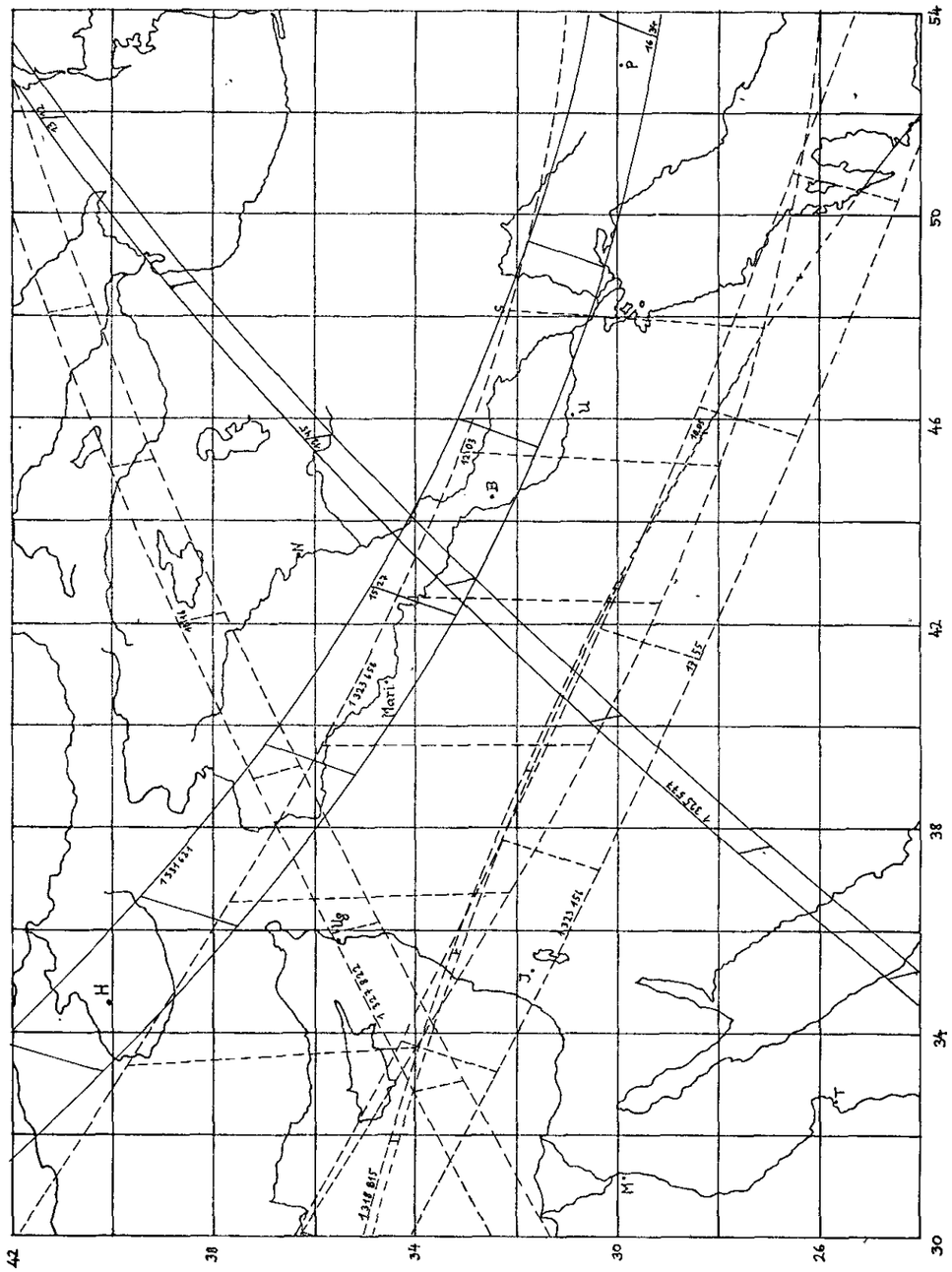


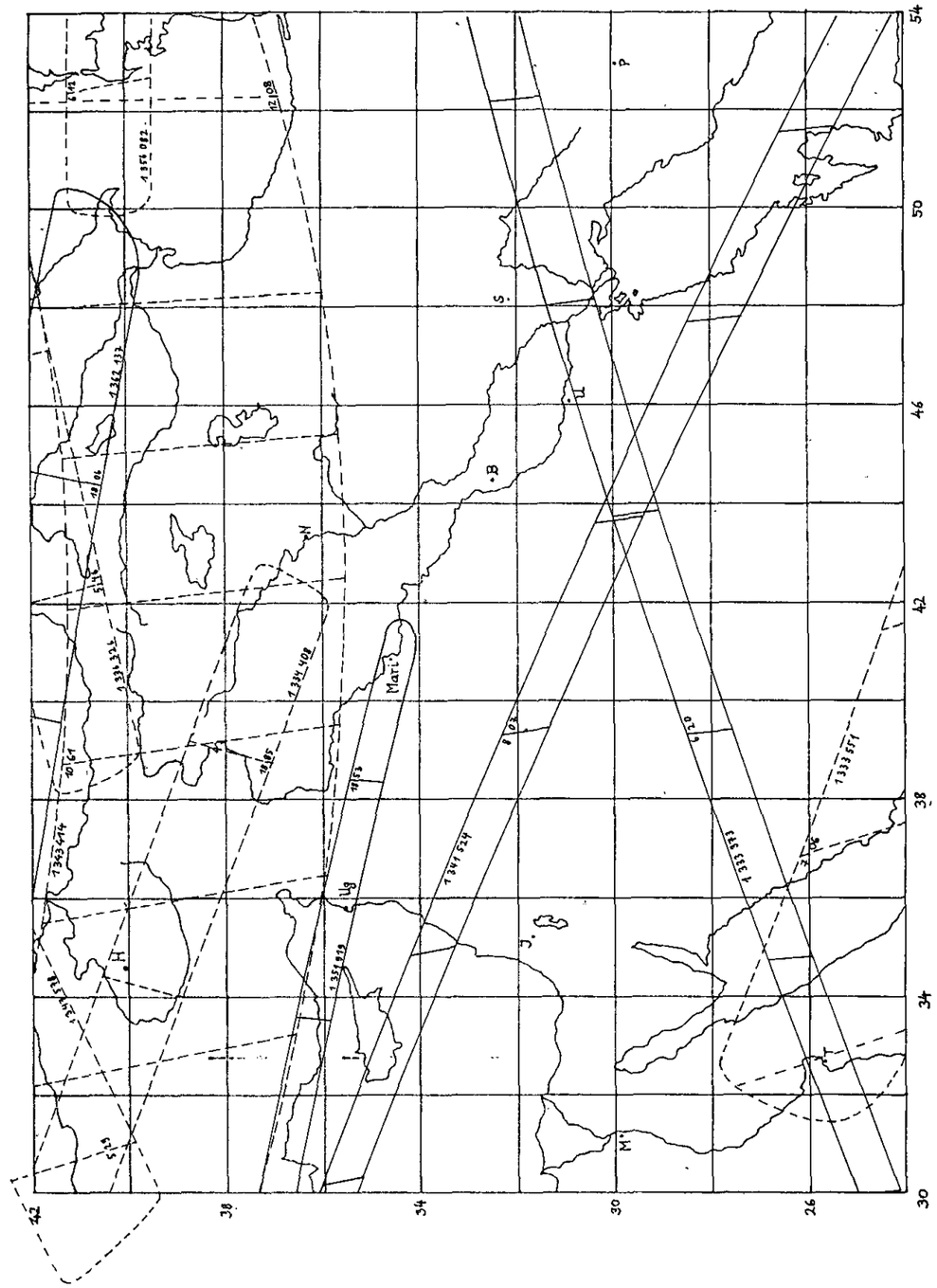

54
50
46
42
38
34
30
26
42
38
34
30
Mari?
H.
J.
B.
N.
T.
S.
P.
M.

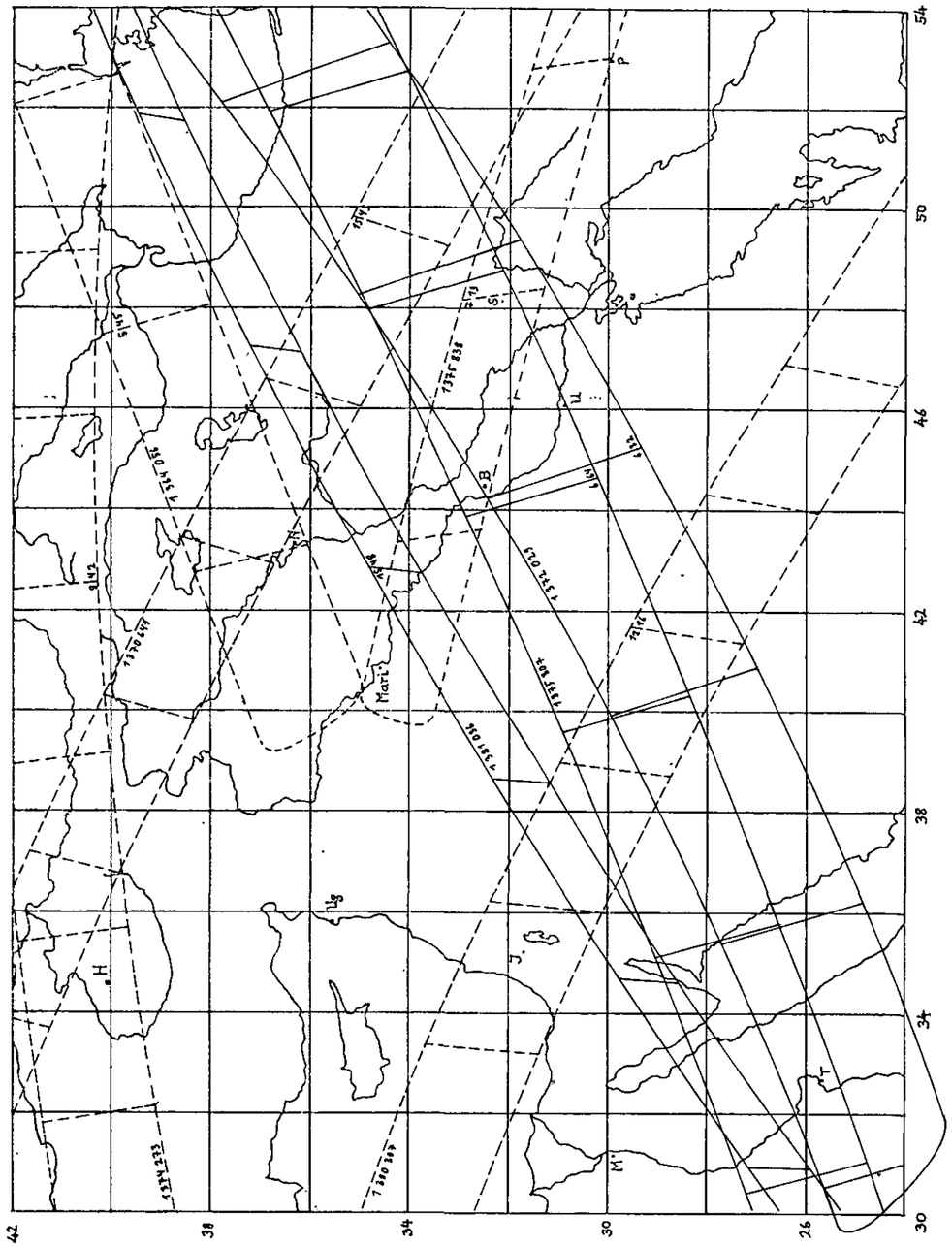

54
50
46
42
38
34
30
42
38
34
30
26
Mari?
H.
J.
B.
N.
T.
S.
P.
M.

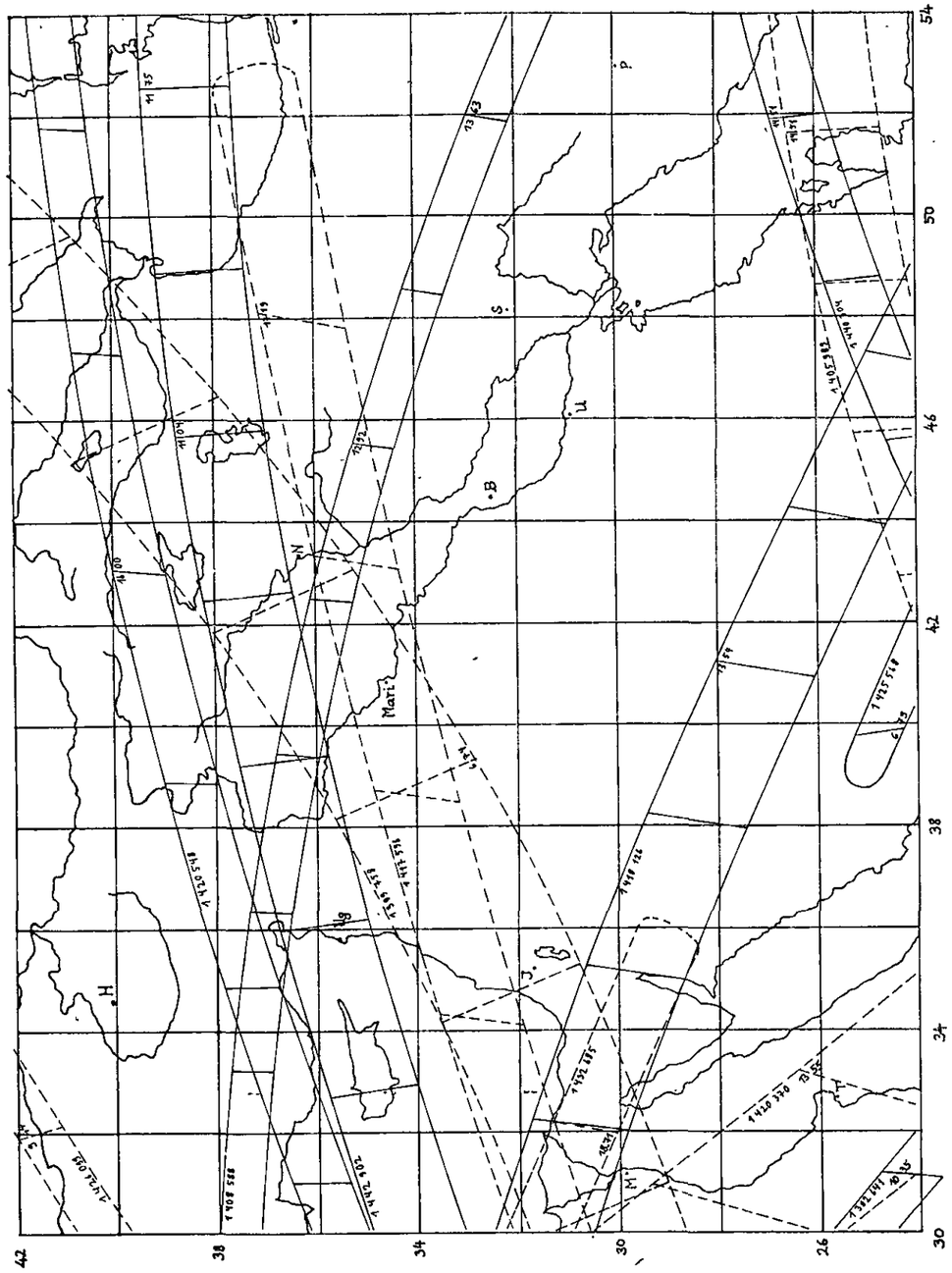

54
50
46
42
38
34
30
26
30
34
38
42
Mari
H
J.
B.
N
S.
T.
M.
P.

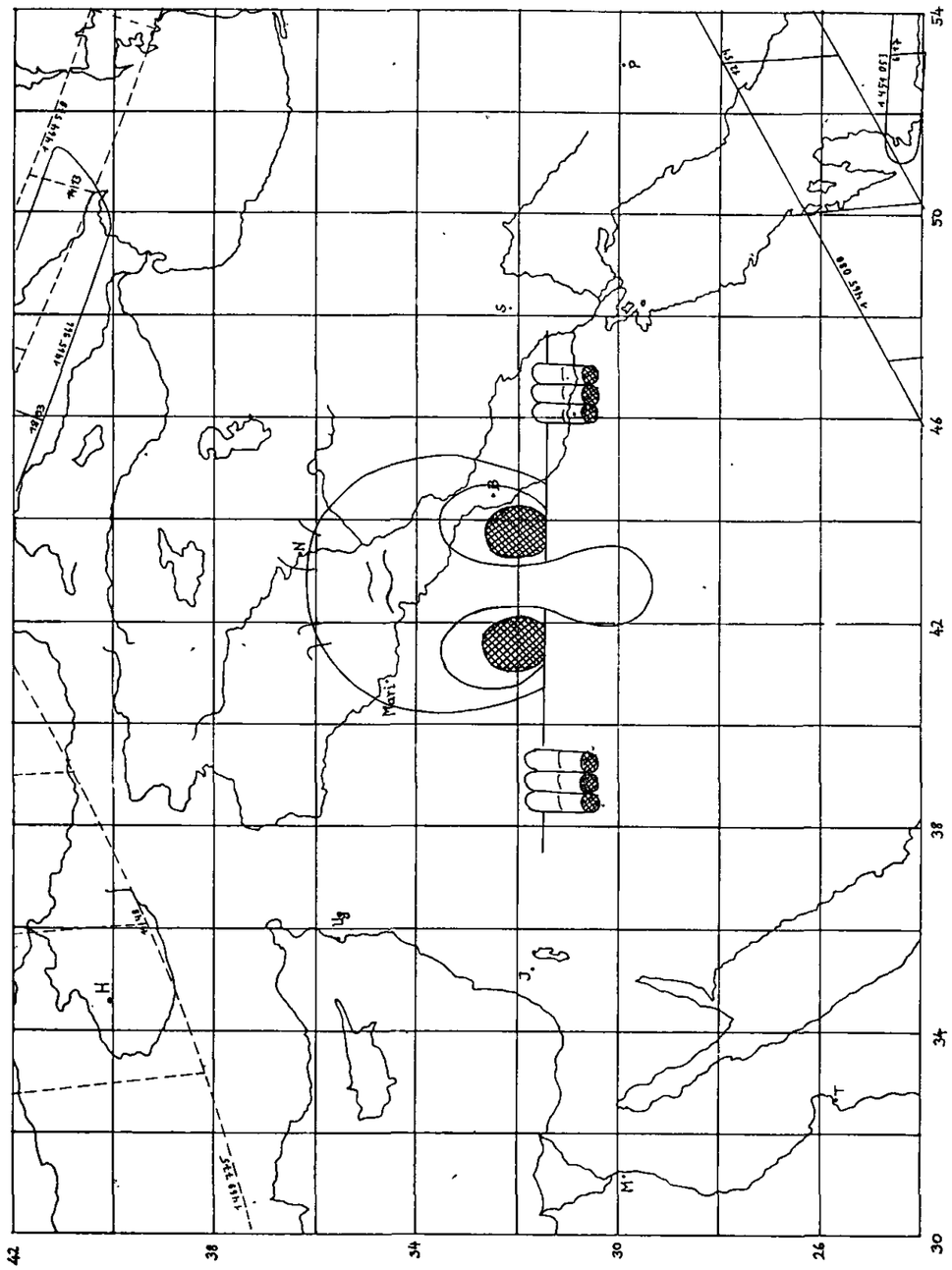

54
50
46
42
38
34
30
26
30
34
38
42
Mari
H
J.
B.
N
S.
T.
M.
P.

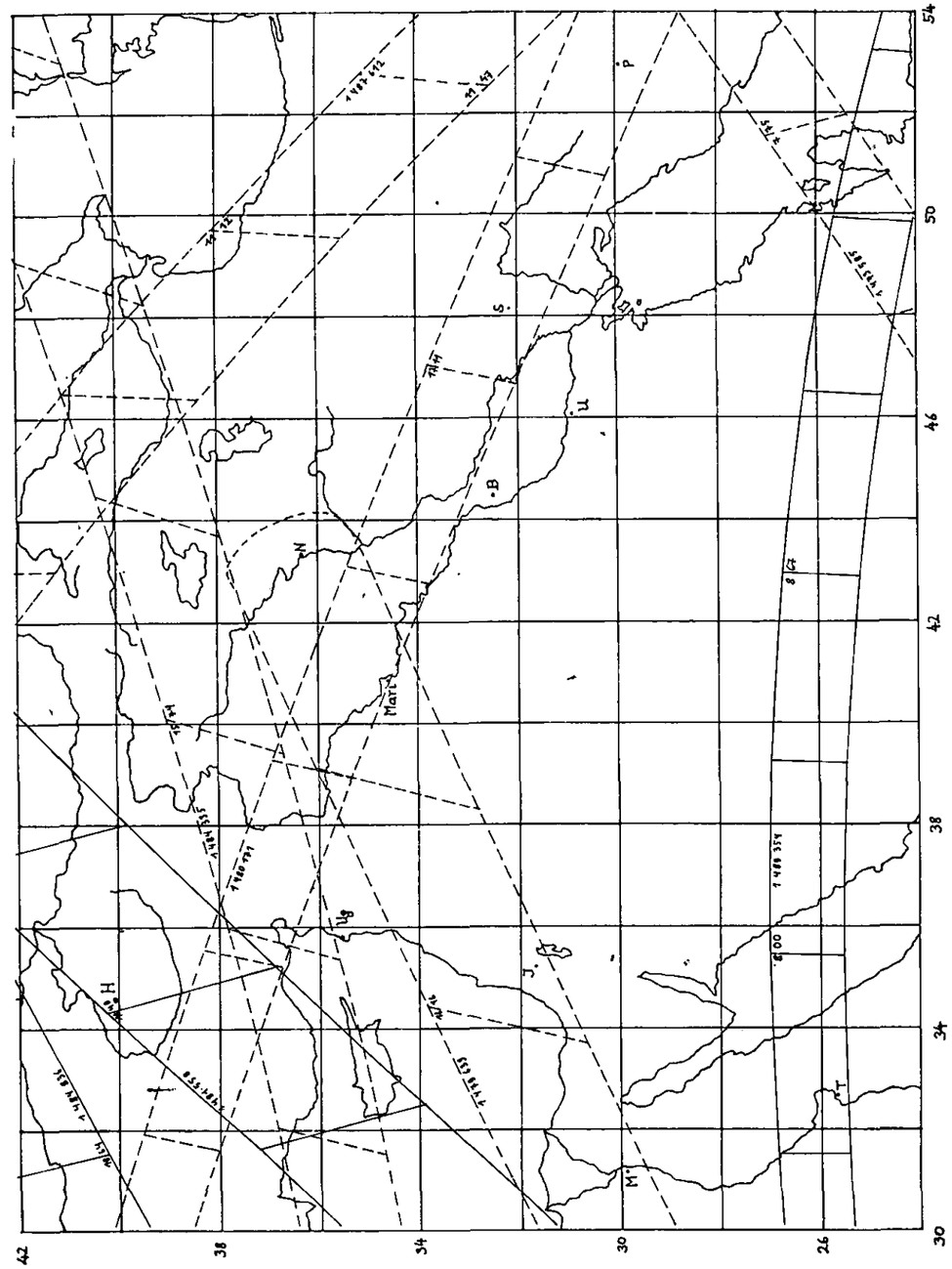

54
50
46
42
38
34
30
26
42
38
34
30
Mari
H
Ug
J.
T
M
B
N
S
P

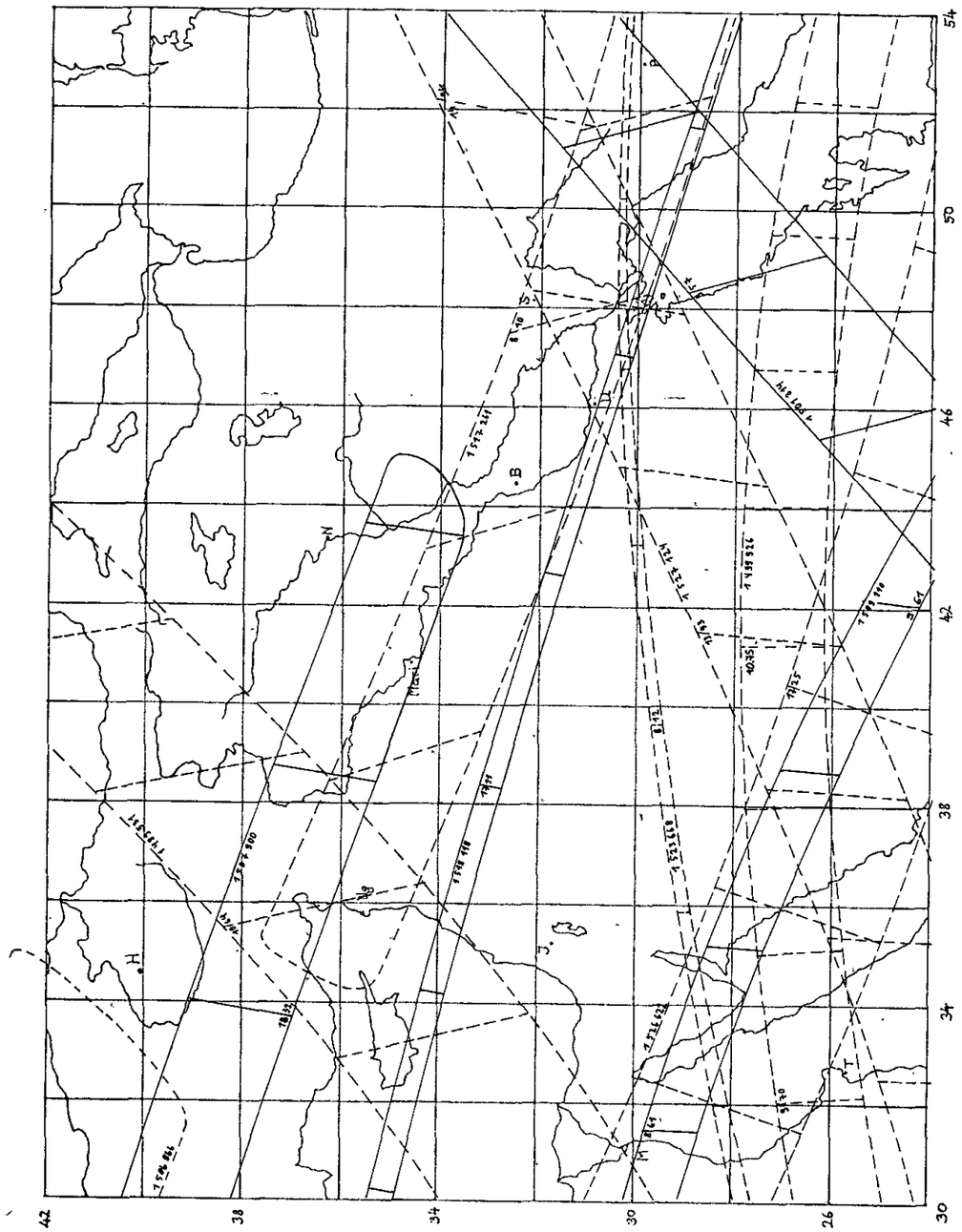

54
50
46
42
38
34
30
42
38
34
30
26
Mari
H
Ug
J.
T
M
B
N
S
P

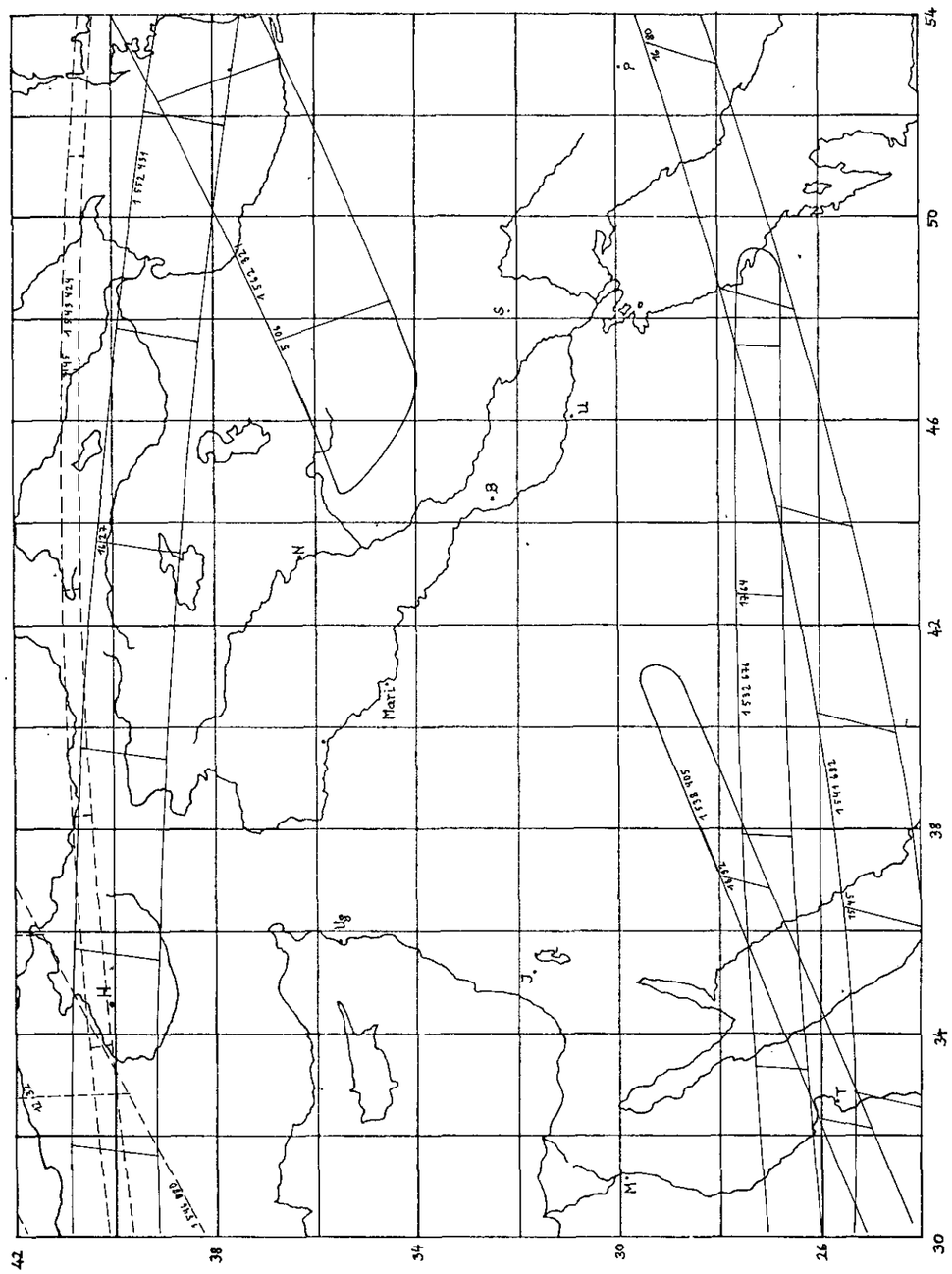

Mari
42
38
34
30
26
30
34
38
42
46
50
54

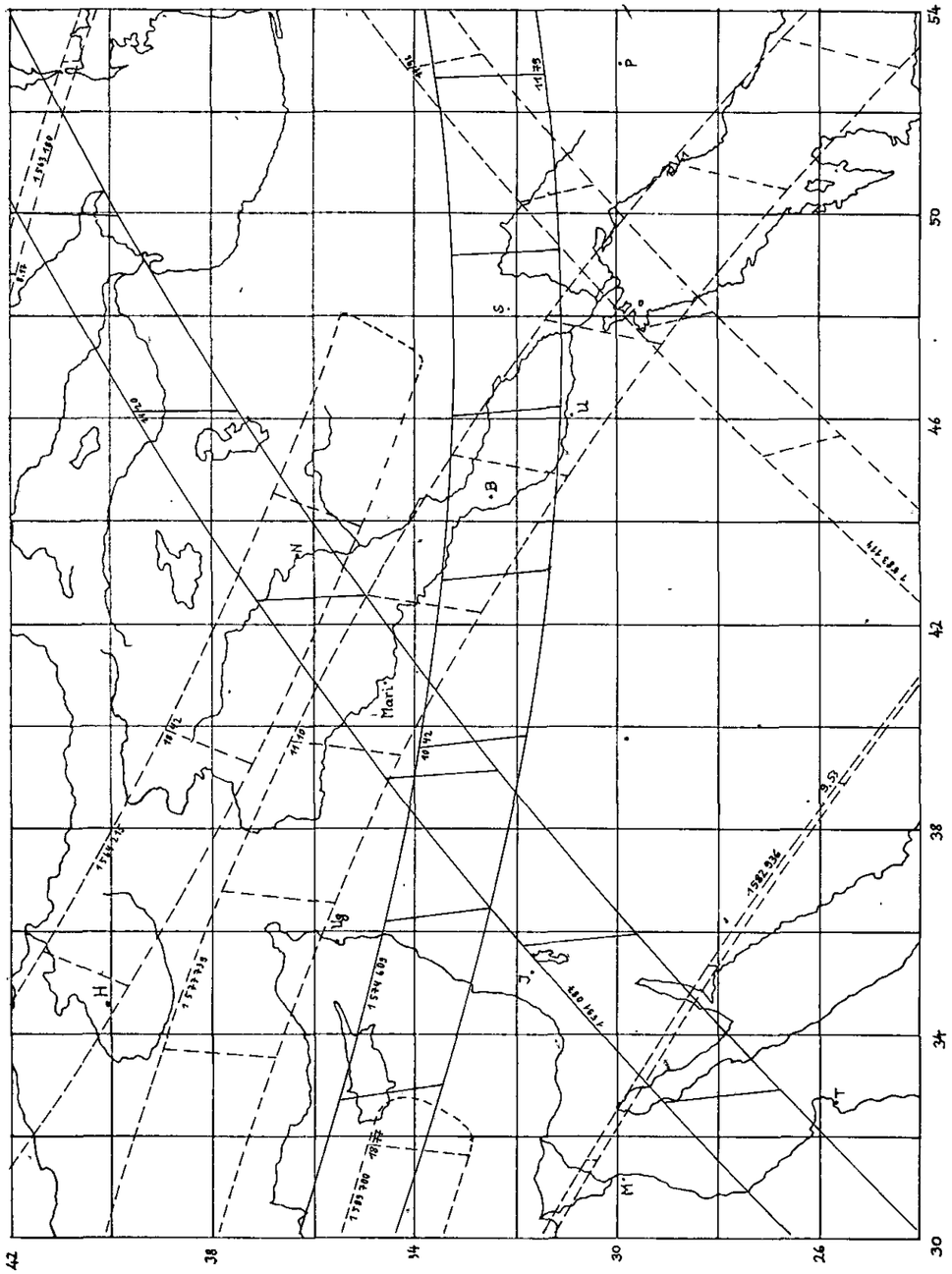

Mari
42
38
34
30
26
30
34
38
42
46
50
54

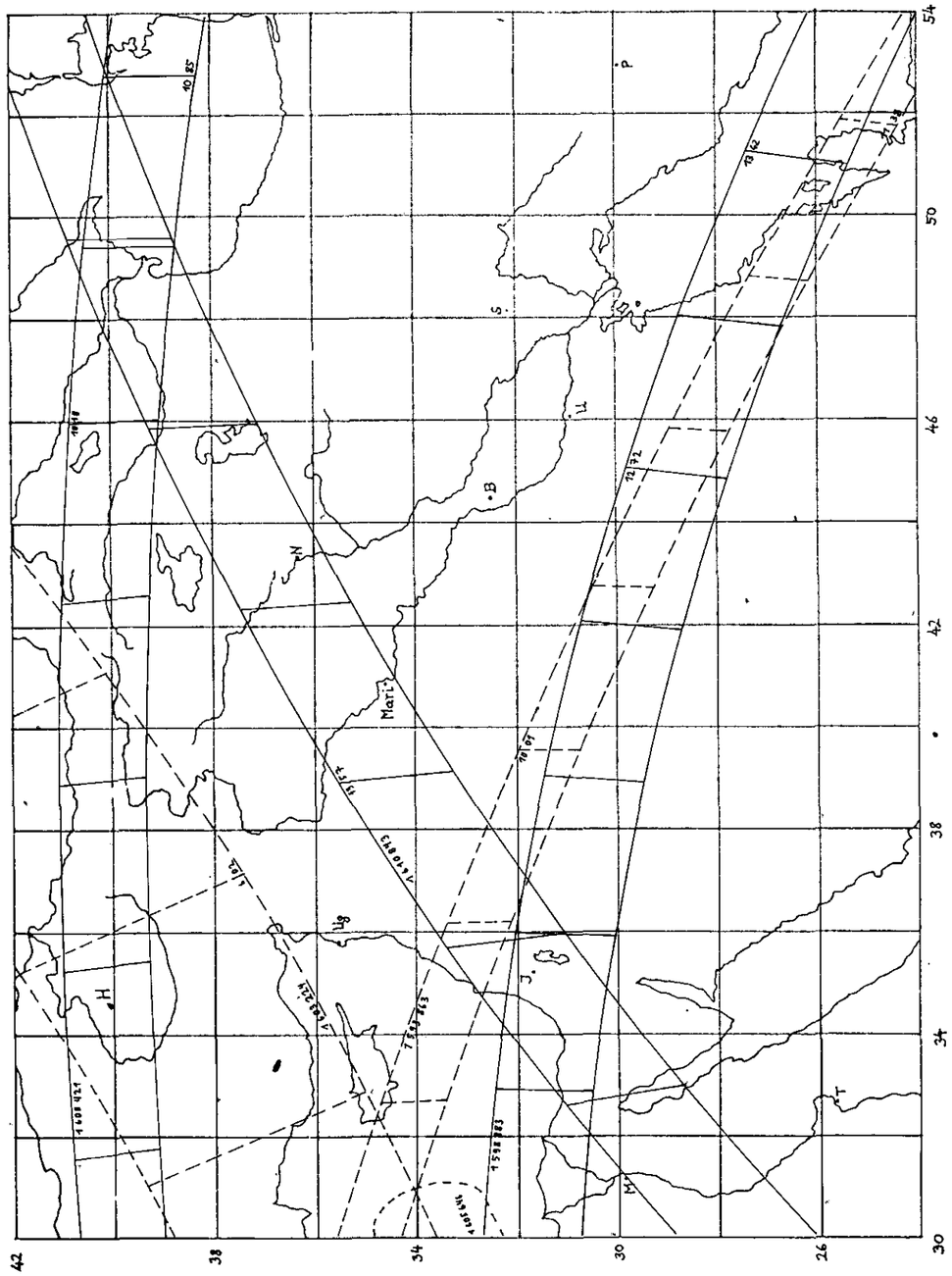


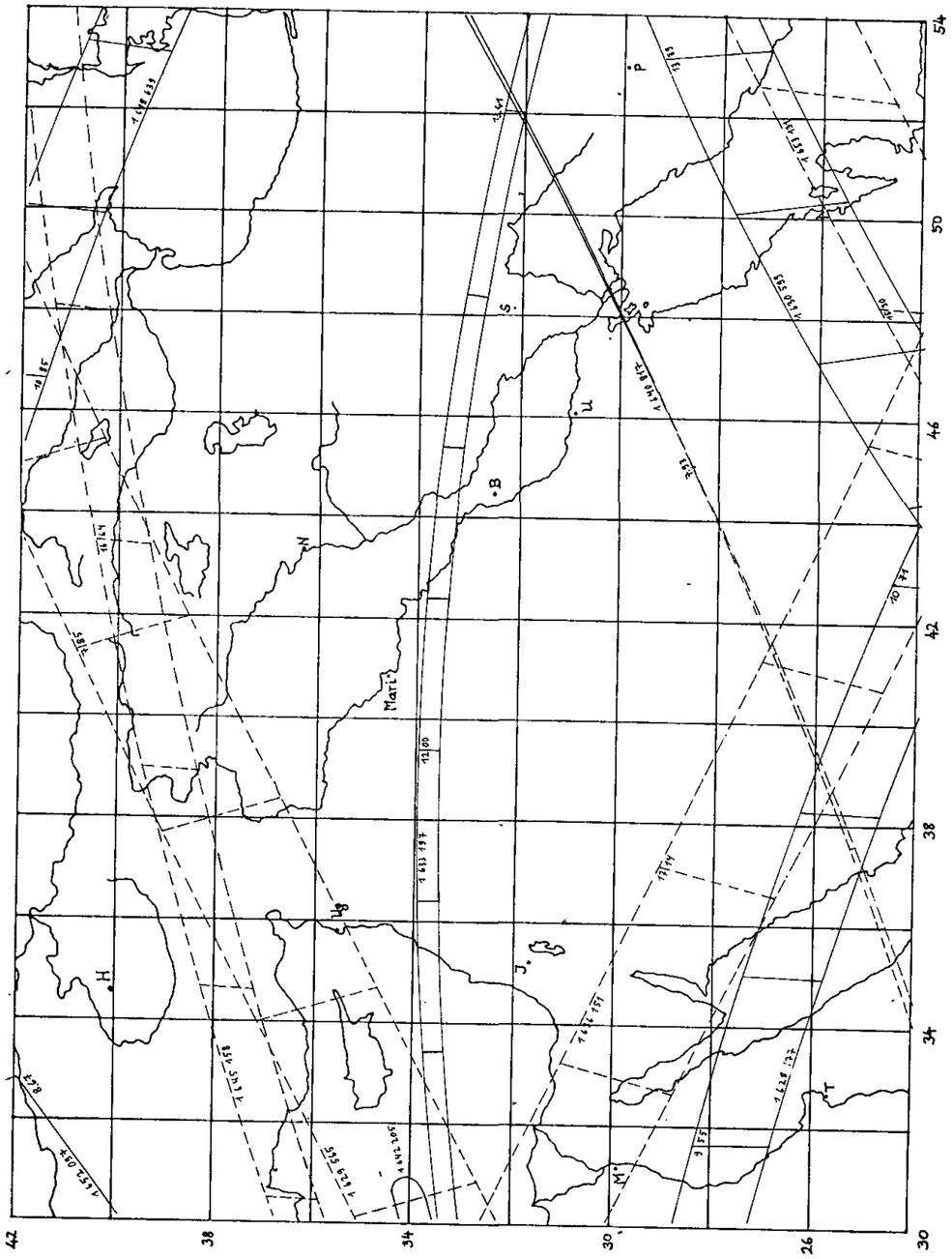


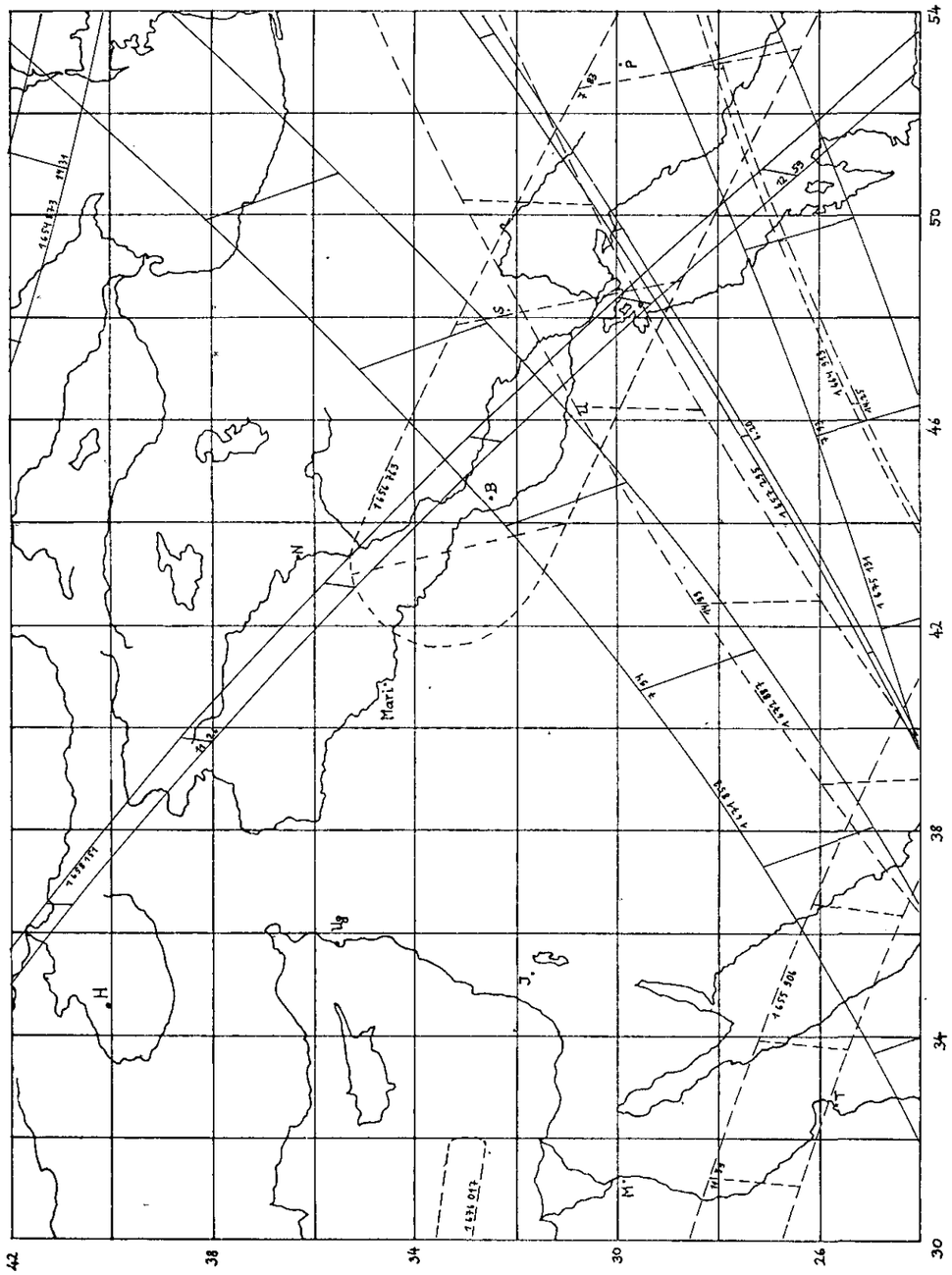


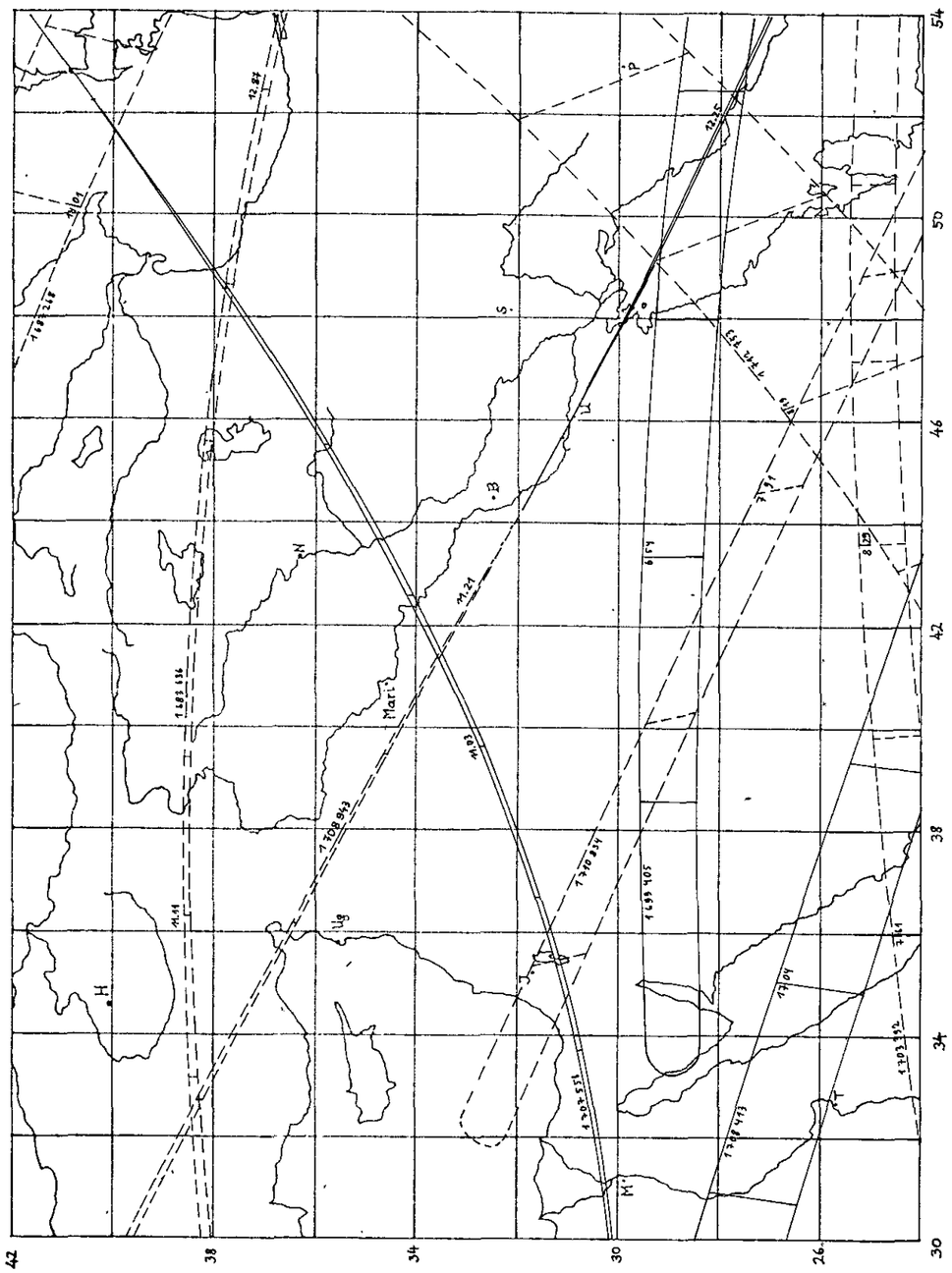


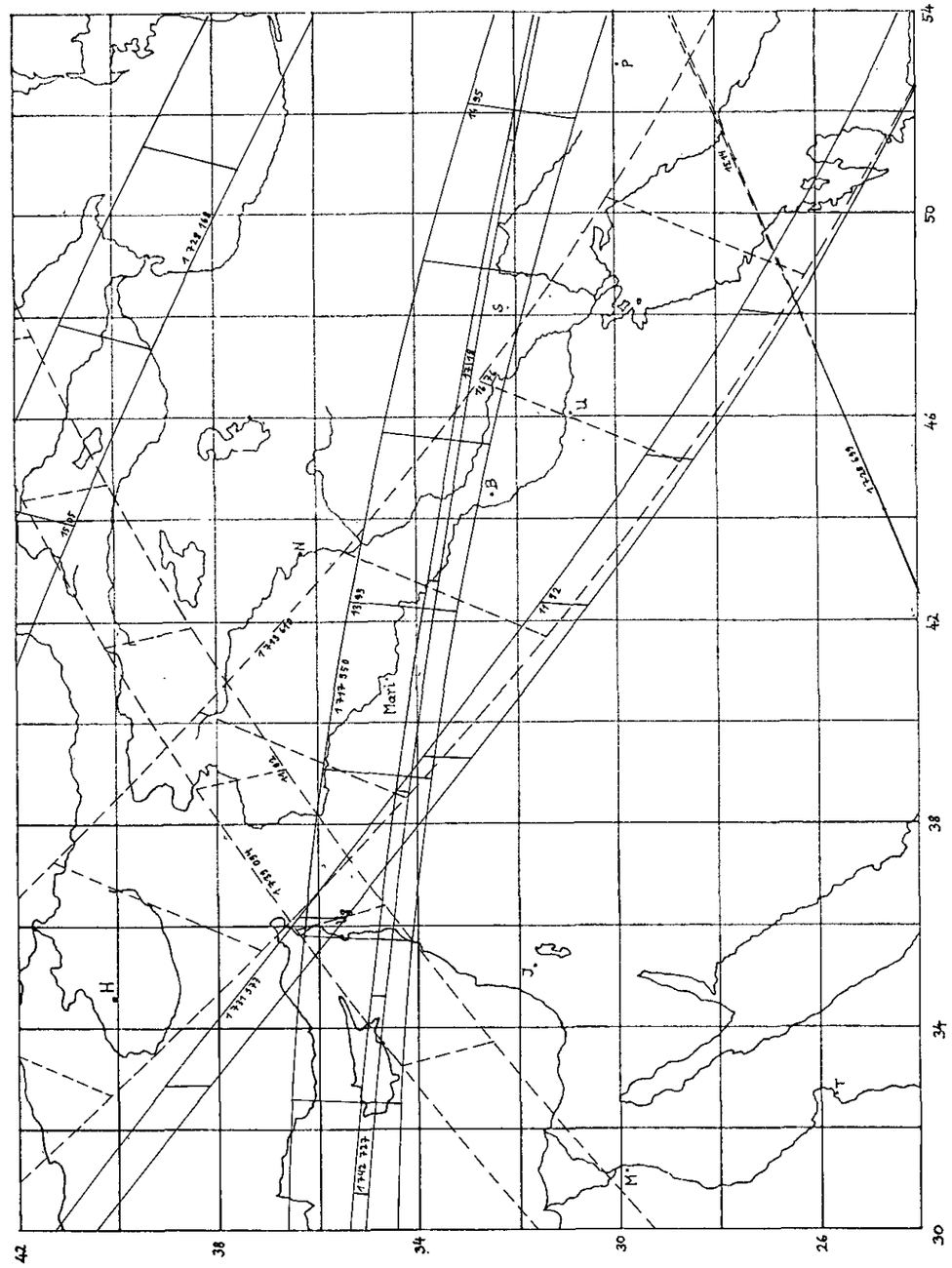

54
50
46
42
38
34
30
42
38
34
30
26
P
S
T
B
N
Mari
H
J
M


54
50
46
42
38
34
30
42
38
34
30
26
P
S
T
B
N
Mari
H
J
M


54
50
46
42
38
34
30
42
38
34
30
26
Mari
H
Hg
J.
M
T
N
S
B
P


54
50
46
42
38
34
30
42
38
34
30
26
Mari
H
Hg
J.
M
T
N
S
B
P


42
38
34
30
26
30
34
38
42
46
50
54
Mari
Ug
H
B.
S.
T
P
M


42
38
34
30
26
30
34
38
42
46
50
54
Mari
H
B.
S.
T
P
M

Erschienene Bände der Serie

Alter Orient und Altes Testament

Veröffentlichungen zur Kultur und Geschichte
des Alten Orients und des Alten Testaments

Bd. 1: *lišān mitḫurti – Festschrift Wolfram Freiherr von Soden zum 19. VI. 1968 gewidmet von Schülern und Mitarbeitern.* Unter Mitwirkung von M. Dietrich herausgegeben von W. Röllig. 1969. 368 Seiten

Bd. 2: Hermann Hunger, *Babylonische und assyrische Kolophone.* 1968. 200 Seiten

Bd. 3/1: Oswald Loretz, *Texte aus Chagar Bazar und Tell Brak* (Teil 1). 1969. 38 Seiten, XL Tafeln

Bd. 5/1: Simo Parpola, *Letters from Assyrian Scholars to the Kings Esarhaddon and Assurbanipal.* Part I: *Texts*. 1970. 364 Seiten

Bd. 6: Simo Parpola, *Neo-Assyrian Toponyms. Programming and Computer Printing by Kimmo Koskenniemi.* 1970. 438 Seiten, 1 Karte

Bd. 7: Manfried Dietrich, *Die Aramäer Südbabyloniens in der Sargonidenzeit (700-648).* 1970. 244 Seiten, 1 Karte

Bd. 8: Anson F. Rainey, *El Amarna Tablets 359-379. Supplement to J.A. Knudtzon, Die El Amarna-Tafeln.* 1970. 120 Seiten

Bd. 9: Gernot Wilhelm, *Untersuchungen zum Ḫurro-Akkadischen von Nuzi.* 1970. 120 Seiten

Bd. 11: Egbert von Weiher, *Der babylonische Gott Nergal.* 1971. 140 Seiten, 4 Tafeln

Bd. 12: Willem H.Ph. Römer, *Frauenbriefe über Religion, Politik und Privatleben in Māri. Untersuchungen zu G. Dossin, Archives Royales de Mari X (Paris 1967).* 1971. 124 Seiten

Bd. 14/1: Oswald Loretz, *Das althebräische Liebeslied. Untersuchungen zur Stichometrie und Redaktionsgeschichte des Hohenliedes und des 45. Psalms.* 1971. 92 Seiten

Bd. 16: Johannes C. de Moor, *The Seasonal Pattern in the Ugaritic Myth of Ba'lu According to the Version of Ilimilku.* 1971. 332 Seiten

Erschienene Bände der Serie

Alter Orient und Altes Testament – Sonderreihe

Veröffentlichungen zur Kultur und Geschichte des Alten Orients

Bd. 1: Manfred Kudlek – Erich H. Mickler, *Solar and Lunar Eclipses in the Near East, 3000 B.C. - 0. With Maps.* 1971. 188 Seiten

Bd. 2: Walter Mayer, *Untersuchungen zur Grammatik des Mittelassyrischen.* 1971. 144 Seiten