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STUDY OF 54 RR LYRAE VARIABLES IN THE GLOBULAR CLUSTER M15

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Abstract

Brightness values and light curves are presented for 54 RR Lyrae stars and one cepheid in the globular cluster M15 (NGC 7078) from 399 photographic plates taken at the Newtonian focus of the 24" reflector of the Konkoly Observatory between 1937 and 1966.

Introduction

The *M15 = NGC 7078* ($\alpha_{1950} = 21^h27.6^m$, $\delta_{1950} = 11°57'$) is one of the most fascinating globular clusters. Because of its star content it belongs to the five globular clusters richest in RR Lyrae variables known so far in the northern sky and apart from this it contains a planetary nebula (*Brown*, 1951, *O'Dell et al.*, 1964), an IR source (*Mac Gregor et al.*, 1973), an X–ray source (*Clark et al.*, 1975) and a pulsar (*Wolszczan et al.*, 1989), so from many points of view it is worthy of study.

In 1895 *Bailey*, (1919) started a systematic photographic study of globular clusters, among them *M15*, and on the plates thus obtained a search for variable stars began. This series of observations was continued by *Shapley, Duncan* and *Baade* at Mt. Wilson. Prior to the beginning of the Budapest observations, in the year 1937, the last photographs were taken in 1932. The plate material, the variables discovered thus far and the studies of their period changes were concisely summed up by *Izsák*, (1957) in his paper on the *O-C* diagrams of 21 RR Lyrae variables in *M15*, using the plate material obtained in Budapest until 1952.

Observations carried out with the 24" Newton telescope of the Konkoly Observatory in Budapest span almost 30 years, from 1937–1966. These observations are described in the following chapter. Since a new one meter RCC telescope was installed at our Piszkéstető mountain observatory in 1975, observations have continued there. The measurements of these new plates and the investigation of period changes of variables using the entire sets of observations published so far will be discussed in a later paper.

The considerable observational material published on *M15* has been listed in *Smith* and *Sandage*'s paper (1981) and it is complete until 1981. In addition to these I refer to the paper of *Bingham et al.*, (1984), which contains observations from the years 1974 to 1979 for 56 RR Lyrae variables.

Finally some unpublished sources of valuable material should be mentioned; e.g. the 122 plates obtained at Purple Mountain Observatory in China, on which three RR Lyrae stars were discovered by *Tsoo Yu-Hua*, (1961) and their brightness values estimated. Also some unpublished although measured plates of *Dodson, Cornwall* and *Thorndike*, (1946) is referred to. These observational data may have great importance in constructing phase diagrams to study period changes.

The Budapest observations

In 1937 *L. Detre* started a photographic programme at Konkoly Observatory in order to study variable stars in globular clusters *M3, M5, M15, M56* and *M92*. As part of this programme more than 400 plates were taken of the globular cluster *M15* at the Newtonian focus of the observatory's 24" telescope. The plate scale is 60"/mm. By 1966, the last year of this programme, city light and air pollution in the expanding capital made it impossible for photographic observations to continue in Budapest even under the best weather conditions.

All the photographic plates (399) listed in *Table I.* were good enough to provide magnitude values of the variables in the cluster either by measuring or by visual estimation. The columns are as follows: identification number of plate, heliocentric J.D. of midexposure, length of exposure in minutes, kind of plate used and observer.

From the 120 variables known so far, 55 could be measured or estimated on our plates. The limiting magnitude of the plates was about 17.0. The measurements were carried out using a Rosenberg microphotometer, and the visual estimates by blink microscope and microfilm reader device. Variables with close companions or situated in a crowded area near the centre of the cluster were not suitable for being measured by microphotometer, so estimation was the only way to get brightness values for these objects. A sequence of 16 comparison stars covering a range of magnitude 14.0 – 17.8 was selected from Bailey's list (*Bailey*, 1919). The magnitudes were determined by *Izsák* (1952) comparing them with Mount Wilson photographic magnitudes in Selected Areas 63 and 89.

These standard stars were measured on each plate against the background to construct the magnitude/density curve. (The value of the adjacent background sky has been subtracted from the density of each comparison star.) The average of the background densities has been subtracted from the density values of the measurable variables. When estimating no density curve was necessary. We tried to fit the variable in question into a sequence of several adjacent comparison stars by visual interpolation. The accuracy of the estimation is as good as the one of the measurement, in some cases can be even higher. The following variables have been completely estimated: *V7, V17, V27, V31, V36, V45, V50, V51, V54, V57, V66, V67, V74, V96, V97, V101, V103, V104, V105.*

The brightness values obtained are listed in *Table II.* The first column contains the heliocentric J.D. of the midexposure, and in the following columns each variable is identified by its number in the Third Catalogue of Globular Clusters (*Sawyer*, 1973). Instead of the magnitude, *m*, the value *m-10* is to be found.

In *Fig. 1.* the light curves of 53 RR Lyrae variables are presented from the years 1938 and 1951. In some cases obvious differences can be seen in the shape of the light curves of the same variable coming from different years due to Blazhko effect or double mode pulsation. These phenomena will be discussed below.

The stars are ordered according increasing periods. When constructing the light curves the periods determined by Bailey and by other authors were used as the starting point. Given that our final aim was to study period changes in the cluster, these periods have successively been corrected — if necessary — in the course of performing the phase diagrams (*O-C* residuals). Our periods are listed in *Table III.* Some features of the period behaviour have already been examined (*Barlai*, 1983). However the detailed study of period changes will be the subject of a forthcoming paper including the observations obtained with the one meter RCC telescope between 1976 and 1985 at our Piszkéstető mountain station.

Remarks about individual variables

V1 The only one cepheid discovered so far in *M15* (*Bailey*, 1919). Its magnitude values are listed in *Table II.* Light curves are not published for their behaviour corresponds to a typical population II cepheid, and there is no change in the light curve worth mentioning.

V3 The period (0.388714^d) found by *Mannino*, (1956a) provides light curves of less scatter than the period (0.3891547^d) determined by *Izsák*, (1957). So Mannino's period was our starting point in constructing the light curves.

V6 This star is situated near the centre, which explains the large scatter even in the case of estimated magnitudes.

V7 This star is near the centre, so only estimation of the magnitudes was possible. Estimated amplitudes — of course — cannot be compared to the amplitudes obtained from other sources. However they are suitable to determine the period.

V8 This variable has a close companion and is situated relatively near the centre, which is why the visual estimation shows rather large scatter.

V11 The period (0.3432595^d) found by *Izsák*, (1957) fits the Budapest observations best. Some of *Mannino*'s (1956a) brightness values may be erroneous, for they are contradictory even in the case of other periods. So Izsák's period was used as the starting point in constructing the light curves.

V12 This star has a changing light curve presumably due to a long beat period, although no change in the height of the maxima can be observed within one year of observational material which virtually spans an interval of 2–3 months. The highest maximum takes place in 1938 ($\approx$ 15.20 magn) and the lowest in 1951 ($\approx$ 15.50 magn). *Izsák*'s (1957) period was accepted in constructing the light curves ($P=0.5928750^d$), for it can represent all former and later observations (*Mannino*, 1956a; *Makarova* and *Akimova*, 1965; *Bailey*, 1919; *Wemple*, 1932 etc.) well.

V15 The position of this variable makes it possible to measure the brightness easily. The light curve exhibits strong Blazhko effect. The highest maximum, 15.00 magn, was observed at J.D. 2429131, and the lowest one — 15.59 magn — at J.D. 2429518. The consecutive low and high maxima suggest a Blazhko period of about 30 days.

V17 This star is one of the DM variables in the cluster (*Cox et al.*, 1983). The light variation of this star reminds us very much of the behaviour of variable 68 in the globular cluster *M3*. The amplitude of the light variation can be characterized by the fact that the difference between the highest and lowest maxima amounts to 0.6 magn. The oscillation in the position of the median points of the ascending branches is more than one hour.

V19 This star exhibits Blazhko effect. The oscillation in the phases of the median points on the ascending branches is at least as much as 0.037 *day* $\cong$ 1 *hour* (i.e. the phase shift between J.D. 2433872.575 and J.D. 2433884.557 in the year 1951). From these three phase shifts a short Blazhko period of about 30 days duration can be concluded. An oscillation of about 0.3 magn in the height of the maxima can be claimed with certainty. $M_{max} \approx 14.95$ magn; $M_{min} \approx 15.25$ magn. Unfortunately no well observed low maximum is available in the observational material.

V20 This variable is situated in a dense region near the centre, which led to difficulties in measuring its brightness. Due to the dark background the light curve has been distorted, and the minima has been shifted higher.

V22 Blazhko effect cannot be excluded with certainty, although the low number of well observed maxima does not enable us to settle this question.

V23 The Blazhko effect can clearly be seen in the Budapest material; $M_{max} \approx 15.35$ magn, $M_{min} \approx 15.70$ magn.

V24 This star is situated near the centre, so the scatter is considerable and the brightness values are shifted towards higher values in comparison to the light curves obtained for other variables in the cluster.

V26 An interesting DM variable of the cluster (*Cox et al.*, 1983). Due to the small amplitude no sign of any specific behaviour could be seen in the Budapest material even in spite of the broadened maximum brightness values.

V27 This star proved to be a constant on the Budapest plates. It was estimated in all cases when the plate limit made it possible. The brightness values obtained are between 16.8^m and 17^m.

V28 Although this star has a good separated position in the outer part of the cluster, still only 300 brightness values could be obtained by measurement, for the star is so dim in minimum light that it reaches the limiting magnitude of the photographic plates.

V29 This star itself has a close variable companion: *V96*. Due to this fact the brightness values have been obtained partly by measures and partly by estimates. The period 0.574978^d found by *Izsák* (1957) satisfies the Budapest observations, although the Asiago observations (*Grubissich*, 1956) show greater scatter with Izsák's period.

V30 One of the double mode pulsators in the cluster (*Cox et al.*, 1983).

V31 This star is a double mode pulsator (*Cox et al.*, 1983). The light curves obtained in Asiago (*Grubissich*, 1956) and by *Makarova* and *Akimova*, (1965) are smooth with no considerable scatter. Considering the material obtained by *Bailey*, (1919), in Babelsberg (*Bronkalla*, 1960) and in Budapest, we find a considerable scatter in the light curve. Therefore the plates were measured and afterwards visually estimated twice. The accepted brightness values are the average of the measurements and of the two series of estimation.

The scatter which remained after this procedure can be considered as real. This degree of variation in the light curve is very seldom found among RRc stars. The highest maximum observed is 15.50 magn, the lowest one is 15.90 magn. The oscillation in the maximum is presumably very high, while it is negligible in the minimum.

V32 There is a great scatter in *Bailey*'s (1919) material possibly due to Blazhko effect. The Blazhko effect can definitely be seen from *Mannino*'s (1956b) observations; there exists great difference between the slopes of the ascending branches from the years 1954 and 1955. A Blazhko period of $\approx$ 50 days can be concluded from the oscillations of the median points of the ascending branches in the year 1954, while the 15.5 magn point on the ascending branch oscillates with 0.03 day $\approx$ 3/4 hour.

The Budapest material suggests strong variation in the height of the maximum. The highest maximum observed is 14.75 magn (1941), the lowest one 15.30 magn (1951), so the difference in height can reach a value of 0.55 magn. Unfortunately the star's position is near the centre, so a slightly larger scatter than average can be taken into account.

V34 Bright star, very probably variable.

V36 This star is close to the centre, therefore its brightness was only estimated visually on the Budapest plates. The material obtained by other observers is rather scanty; only *Bailey*'s (1919) and the Babelsberg (*Fritze*, 1962) observations are available.

V38 This star has a close companion whose influence could be excluded neither in measuring nor in estimation. The scatter in the light curve is greater than usual.

V39 One of the double mode pulsators detected by *Cox et al.*, (1983). The influence of an adjacent dim companion could not be excluded either in measuring or in estimation. So the usual distortion (elevated minimum) takes place in the light curve. The light variation shows a double maximum not unusual among RRc stars. An oscillation in the height of the maxima amounting to 0.2 magn can be definitely shown.

V44 There is considerable scatter in *Bailey*'s (1919) material. The Babelsberg observations (*Fritze*, 1962) unfortunately contain descending branches only. *Nobili*'s (1957) material shows considerable scatter as well and in *Makarova* and *Akimova*'s (1965) light curves the scatter is noticeably greater in the ascending branch and in the maxima than in the descending branch. All these phenomena might be caused by the Blazhko effect. By unfortunate coincidence the Budapest observations cover descending branches and minima from 1957 on. Still it can be concluded, that considerable variation of the period is not the case.

V45 This star lies near the centre and it is difficult to obtain brightness values. A considerable scatter is to be found in the Babelsberg (*Notni* and *Oleak*, 1958) and in *Bailey*'s (1919) material as well.

V49 In a strange way the Budapest observations almost exclusively cover descending branches and minima. The Babelsberg material (*Fritze*, 1962) does not contain ascending branch either. The given period fits all observations well.

V50 The ascending branch of this star is unusually steep in comparison to the other RRc stars in the cluster. The period (0.2980583^d) is unusually short in this cluster, it much more reminds us of the periods in the cluster *M3*. The stable shape of the light curve and the conspicuously stable period relate to dwarf cepheids.

V51 This star is a double mode pulsator (*Cox et al.*, 1983). Apart from this the scatter in the Budapest material is due to the position of the variable which made its visual estimation difficult. There is large scatter in the Babelsberg material (*Fritze*, 1962) as well. The Asiago material (*Nobili*, 1957) provides incomprehensibly small amplitude and rather large scatter.

The new period (0.3969565^d) found in Budapest fits the observations considerably better than the former ones (*Bailey*, 1919; Babelsberg, Asiago). So it was accepted for constructing the light curves.

V53 The period seems to be correct. From all available observations the variation of the light curve can easily be seen. There are great differences in ascending branches in Budapest material *Bailey*'s (1919) observations from the year 1916 show large scatter, which suggests a changing light curve. Our material from the years 1938 and 1951 suggests the presence of Blazhko effect (or the star's being a double mode pulsator). This star could be measured easily, however, because of its changing light curve, visual estimations were also carried out through all of the Budapest material. In *Table II.* the average of the measured and estimated brightness values has been listed. The large scatter in the ascending branches is exclusively due to changes in the light curve. Strong changes like this occur very seldom in the light curves in this cluster and this behaviour strongly reminds us of the *V31* variable, which is also a double mode pulsator.

V54 *Bailey*'s (1919) period is incorrect and while the period obtained in Babelsberg is possible, the newly determined period, (0.3995683^d) seems to be the most appropriate. *Fritze*, (1962), *Notni* and *Oleak*, (1958) measured the star independently. The amplitude is noticeably small according to the Asiago observations (*Nobili*, 1957). Although the star is a double mode pulsator (*Cox et al.*, 1983), its behaviour is related to a typical RRc star from the Budapest material.

V57 The period determined in Budapest (0.3492988^d) fits the observations of different years better than *Bailey*'s (1919), however there is too little observational material available for this variable. The measurement of the Asiago and Babelsberg plates, and in addition the material of *Filippenko* and *Simon*, (1981) would be of great importance.

V66 This star, although not situated in the dense region of the cluster, exhibits considerable scatter due to its close companion, and both their images are blurred on most of the Budapest plates. The scatter is large in the material obtained by other observers as well.

V67 One of the most exciting variables in the cluster, a double mode pulsator, detected by *Rosino*, (1950). Neither the Babelsberg material (*Notni* and *Oleak*, 1958) nor own our observations enabled us to find an adequate period. The light curves presented in *Fig. 1.* have been prepared using the period given by *Filippenko* and *Simon*, (1981). As the variable lies near the centre in a rather dense region on our plates, difficulties arose in determining the brightness values. The magnitude values listed in *Table II.* are the mean of measure and estimate. The widening in the maxima, however, is not due to the disadvantageous position of the star.

V74 This star is near the centre and has a close companion so the scatter in the maxima is rather due to errors in visual estimation than to Blazhko effect. The steep ascending branch, unusually steep in this cluster and the conspicuously short period (0.2960107^d) would better fit RRc variables in the *M3* globular cluster (see *V50* as well).

V96 One of the most badly situated variables, with two close companions — one of them is *V29*. Due to this fact only estimates could be obtained for the brightness of the variable. Double mode pulsator.

V97 The period (0.696333^d) given by *Notni* and *Oleak*, (1958) proved to be correct. The great scatter in the maxima is probably due to Blazhko effect. Personal errors, however, during estimation cannot be excluded.

V101 Discovered by *Tsoo Yu-Hua*, (1961), this star has a good position at the remote edge of the cluster. Still estimation took place rather than measurement, because determination of the magnitudes was easier and quicker this way. The light curve is characteristic of RRc variables, although the star is a double mode pulsator.

V104 Discovered by *Tsoo Yu-Hua*, (1961). Easily measurable variable at the edge of the cluster. Its brightness was estimated. The scatter present in the maxima is due to its double mode nature (*Cox et al.*, 1983).

Acknowledgements

The author is indebted to late Prof. *L. Detre* for turning her attention to the large observational material on *M15* collected in Konkoly Observatory and for stimulating her to continue observations. Thanks are due to Dr. *B. Szeidl* for useful advice and continuous encouragement in preparing the manuscript. The valuable help of Mr. *M. Lovas* in brightness estimation is acknowledged.

Budapest, Konkoly Observatory, November 1989.

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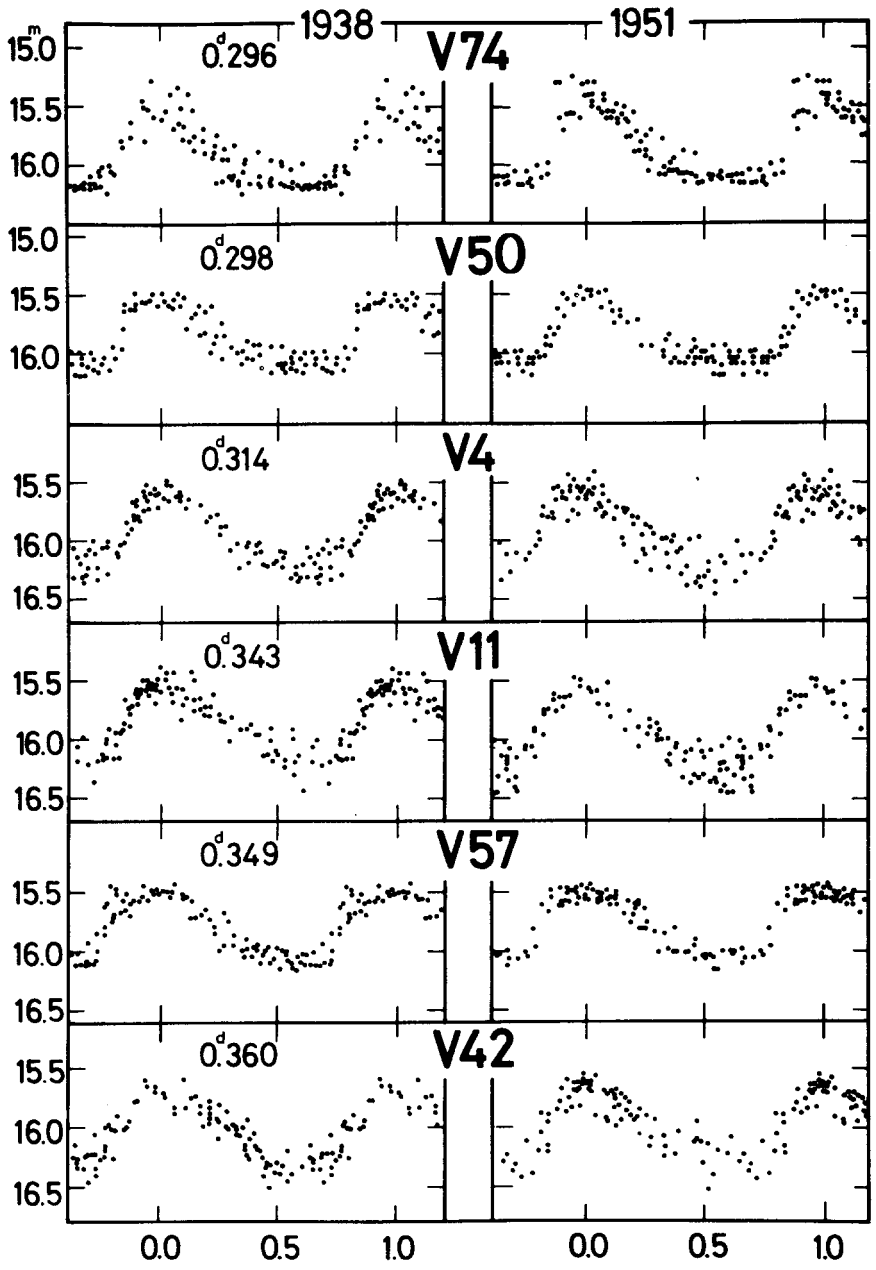


Figure 1: Light curves of RR Lyrae stars in M15 according to increasing periods.

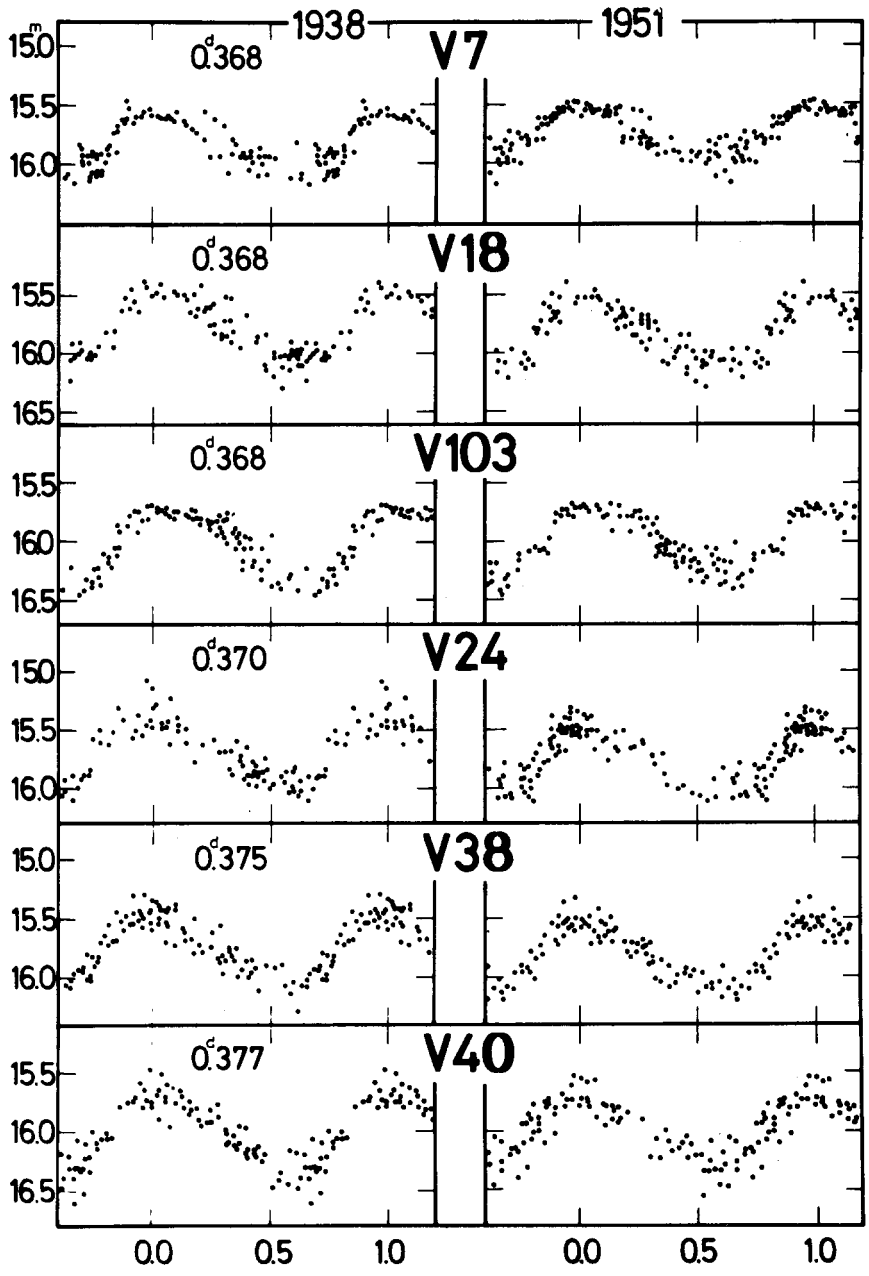
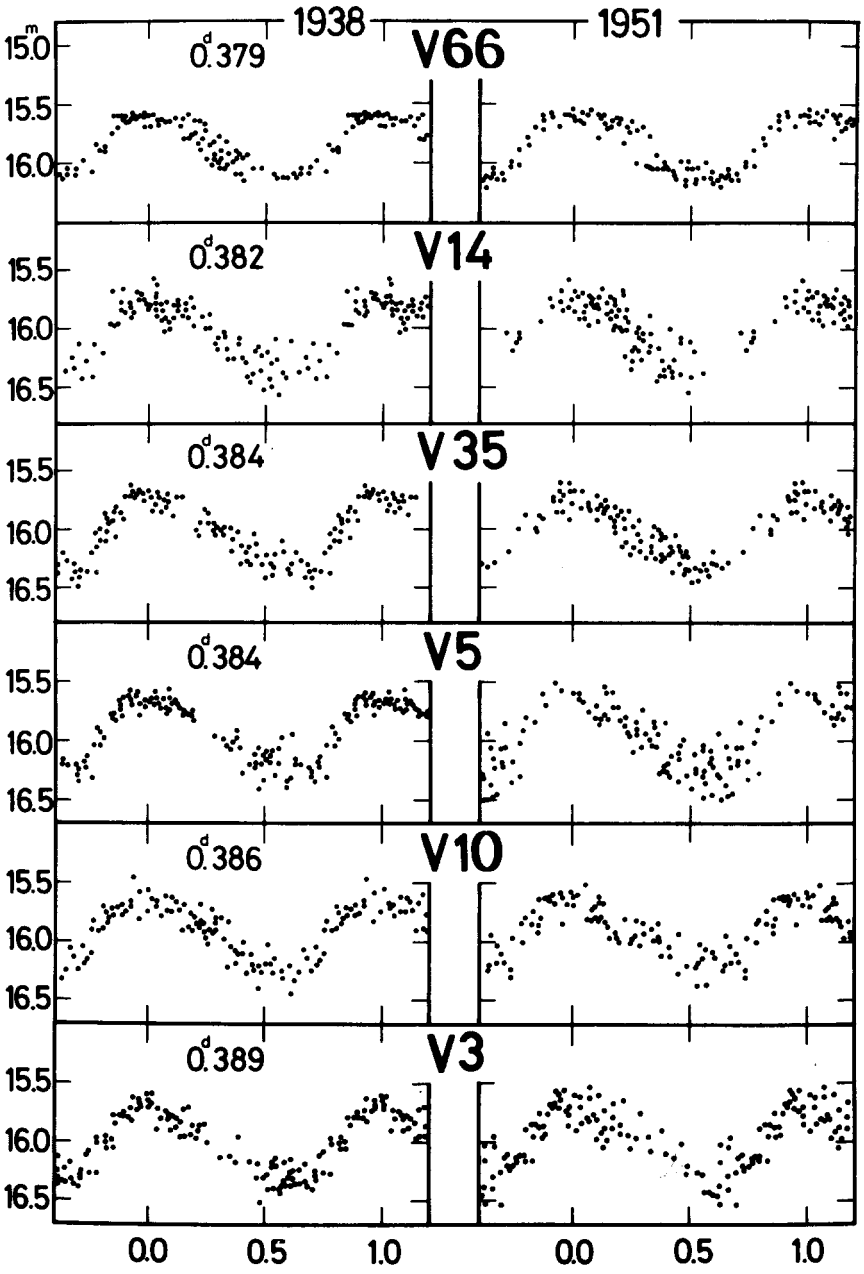


Figure 1: cont.



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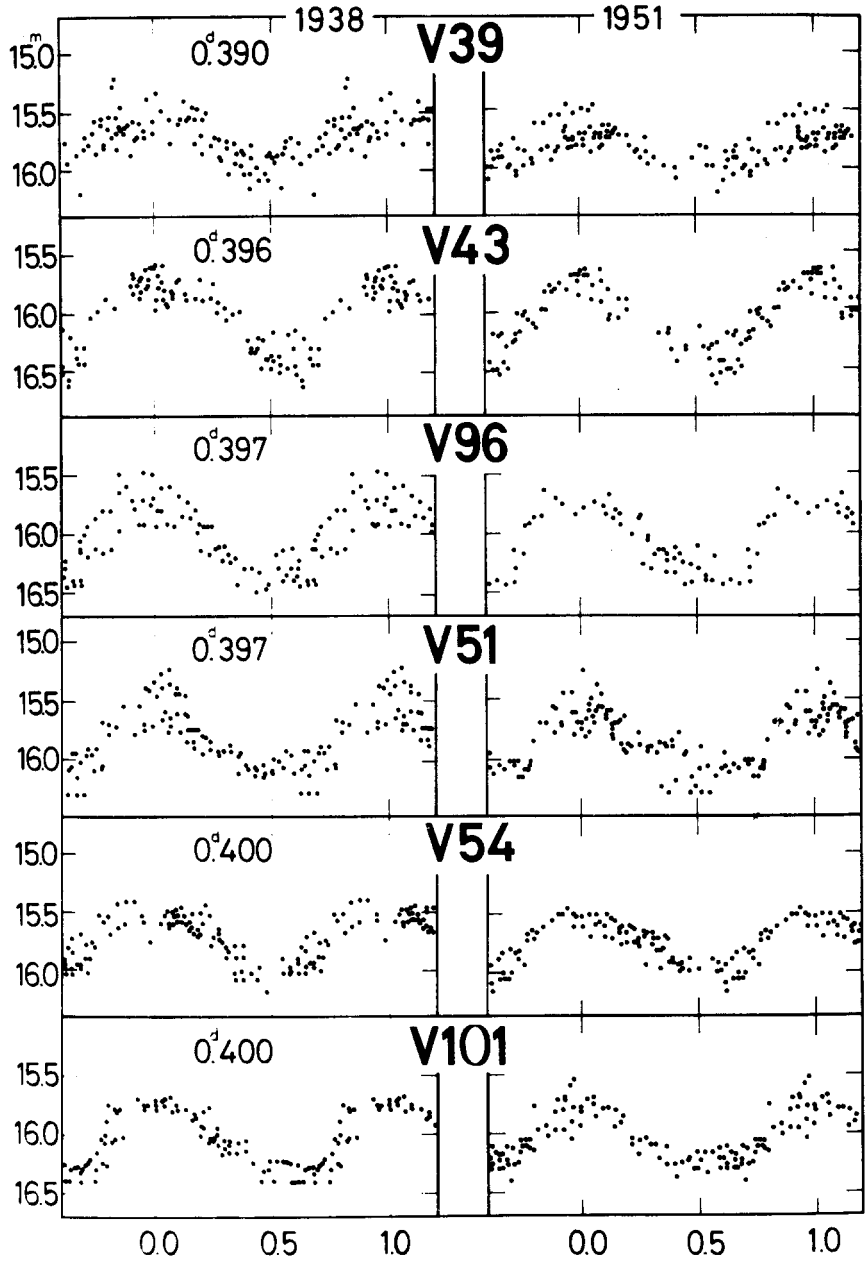

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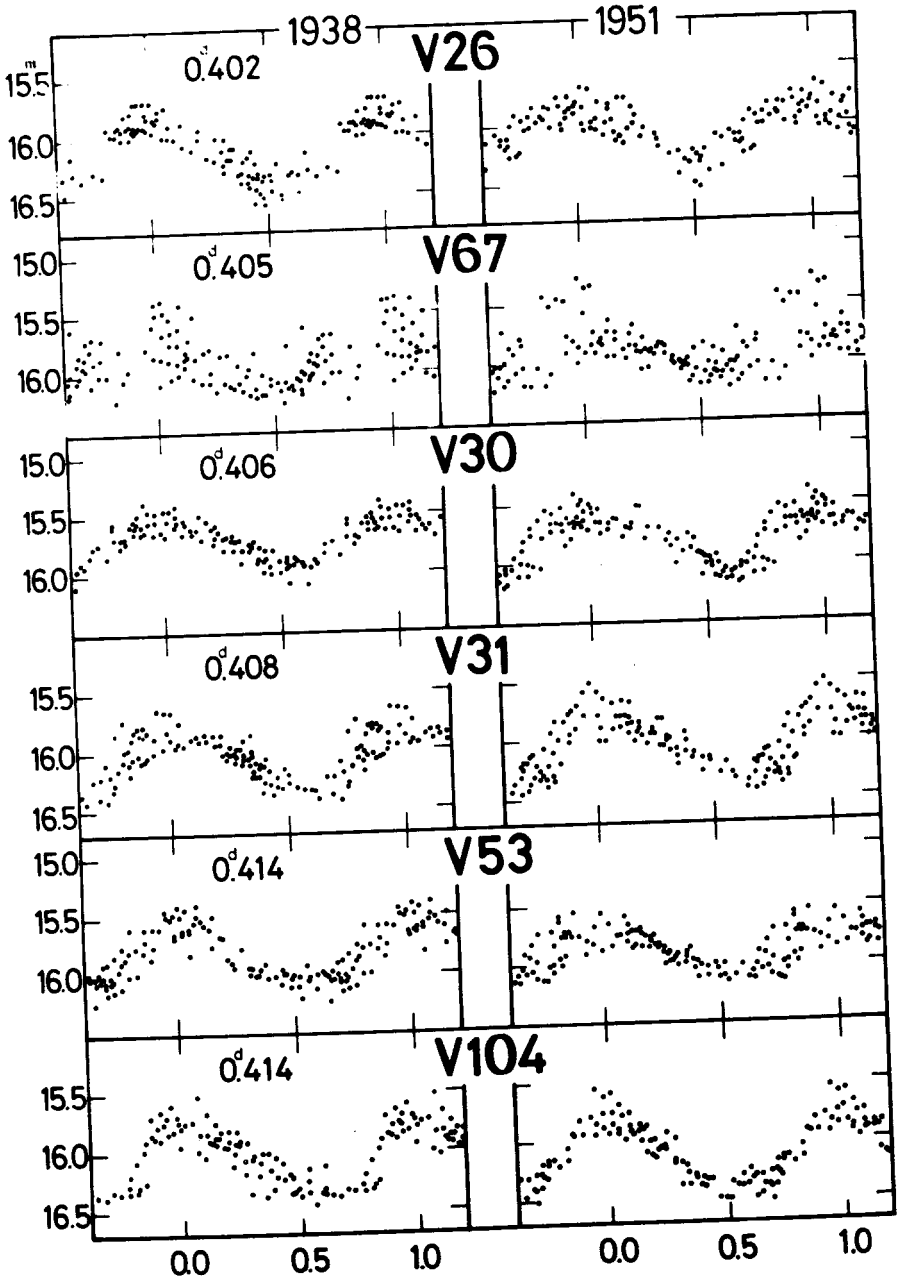

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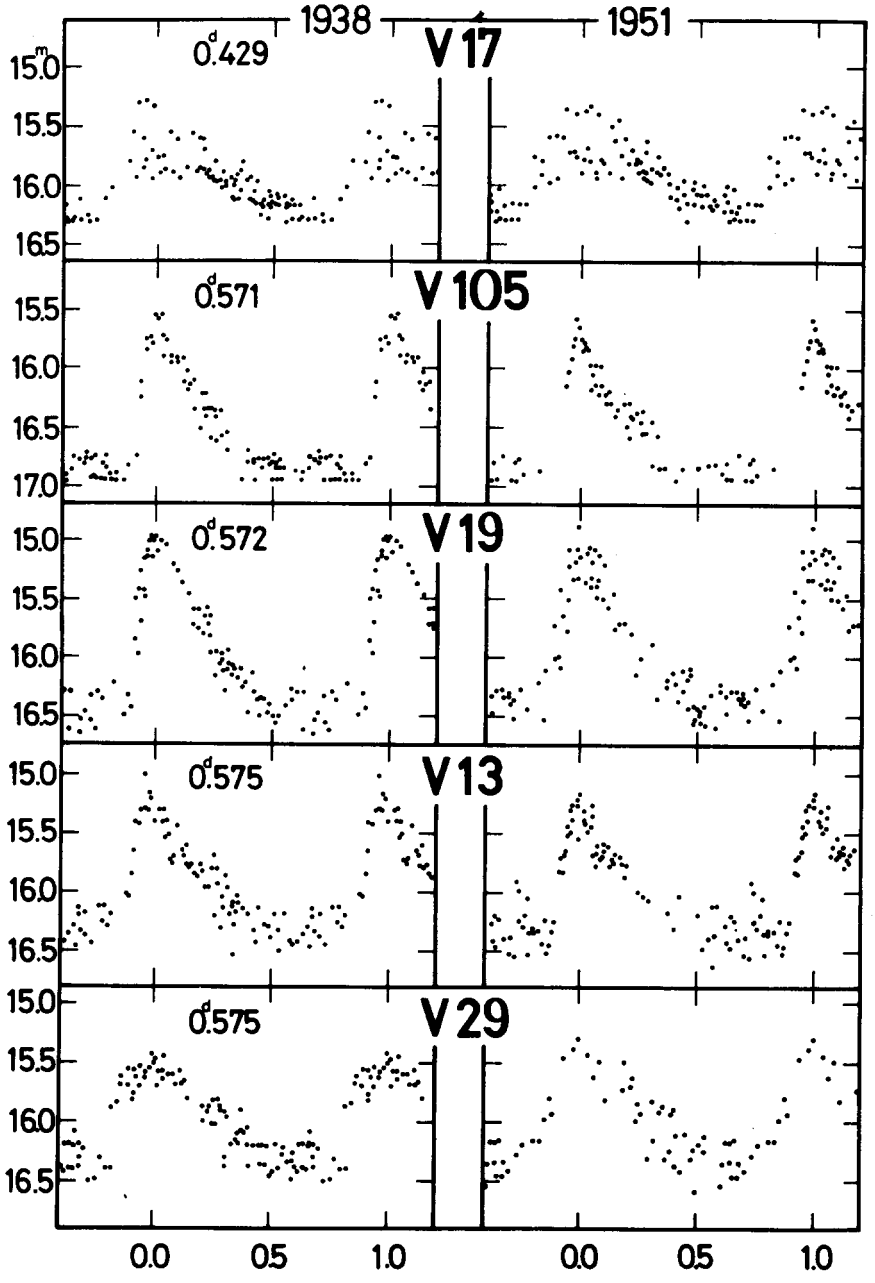

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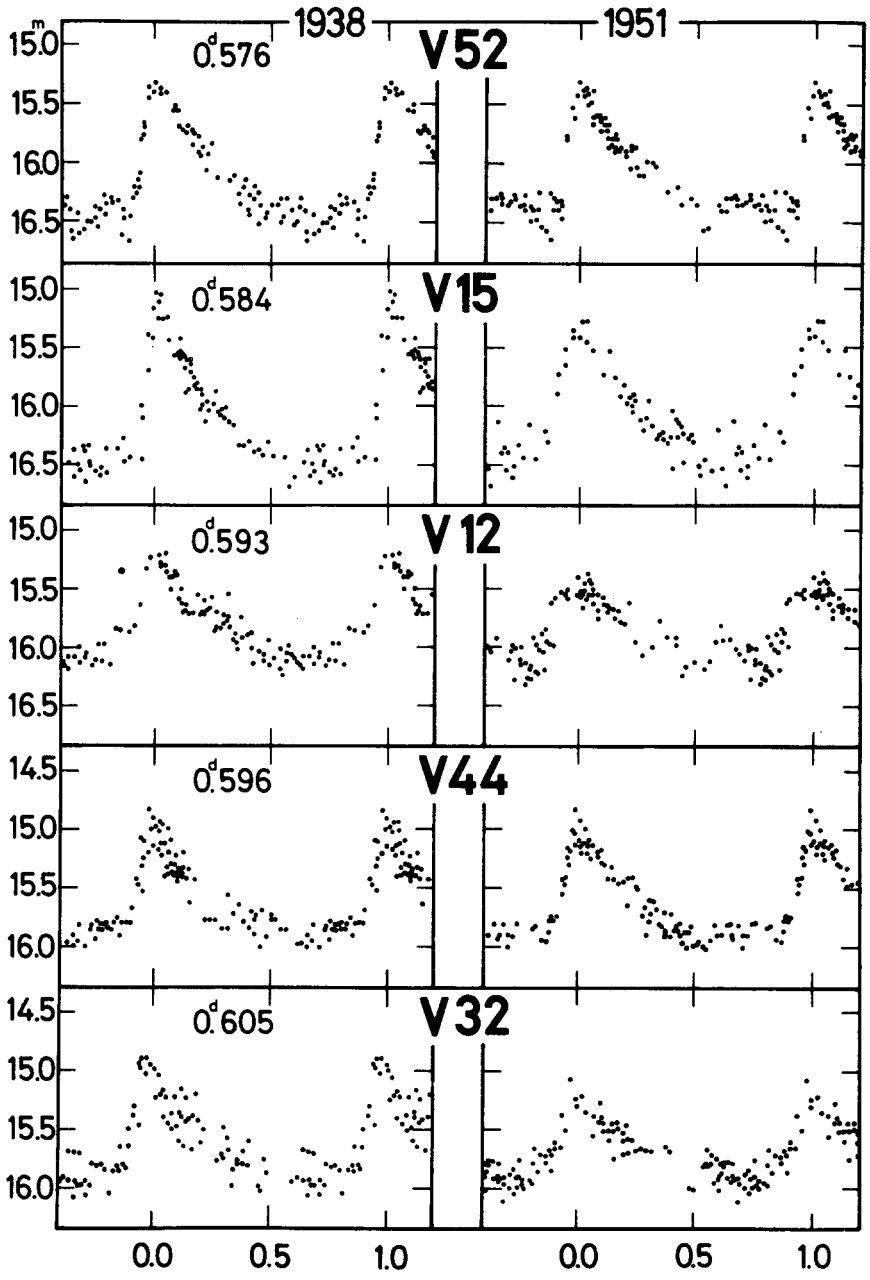

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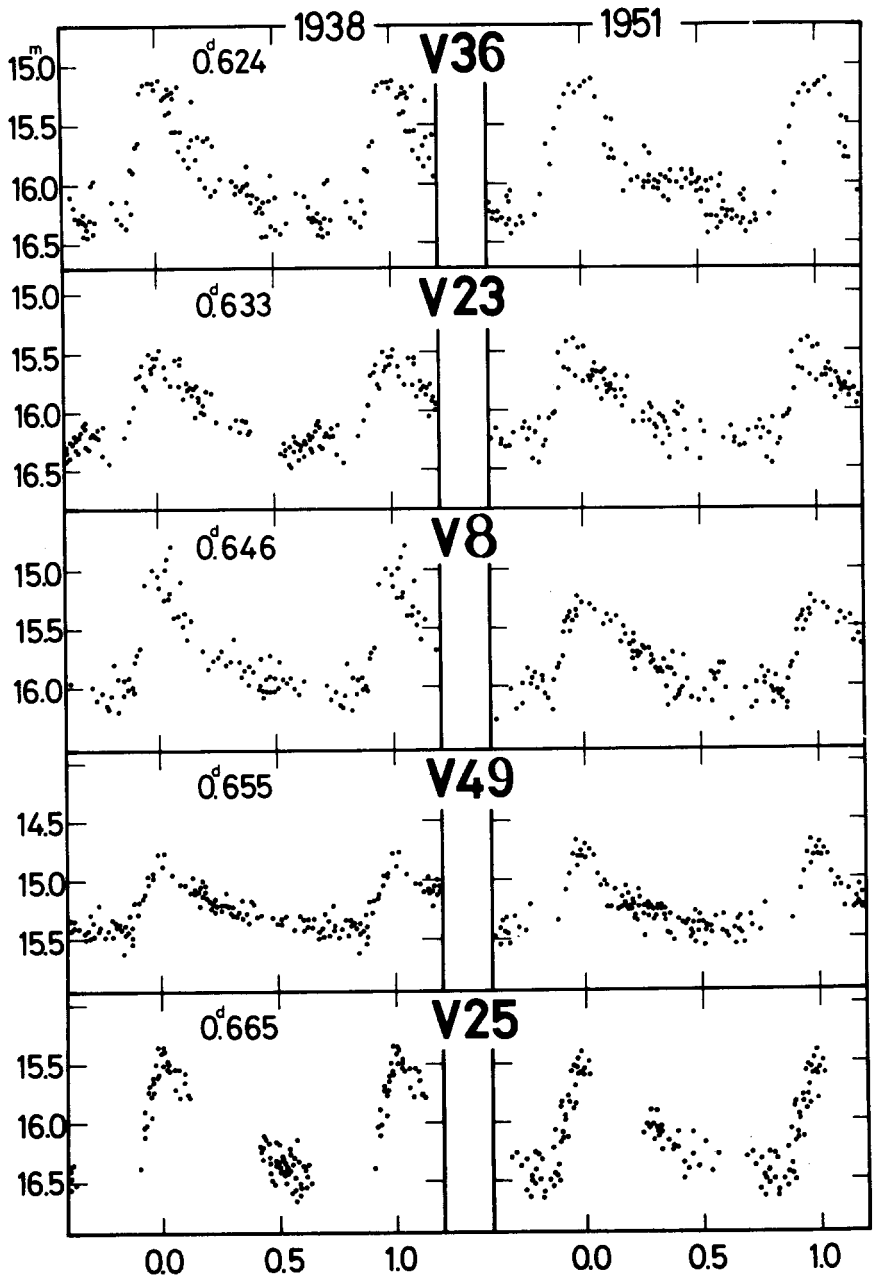

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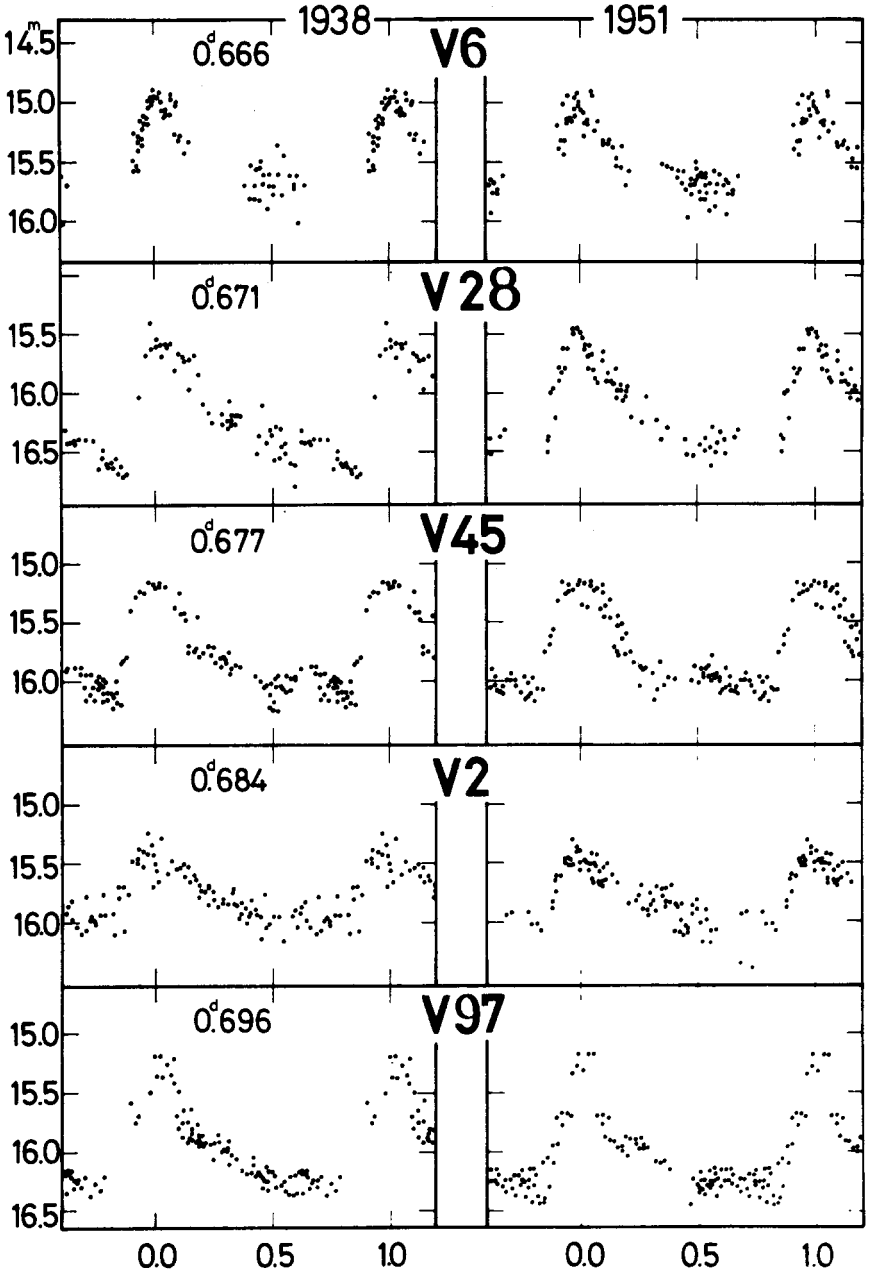

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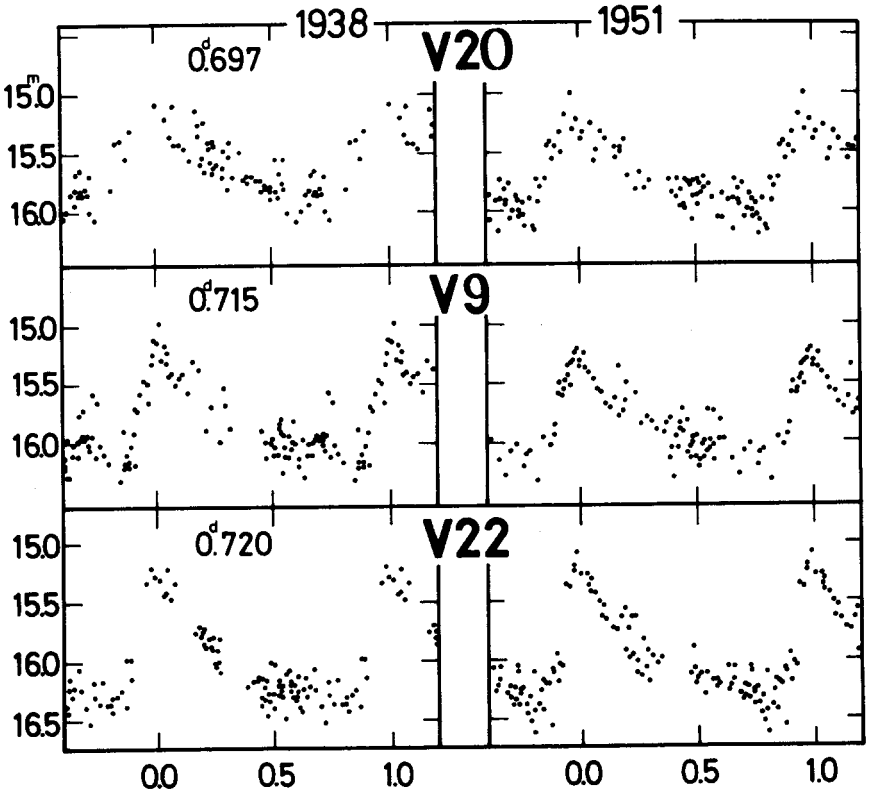

Figure 1: cont.

Table I.

List of plates

Plate R	JD 2400000+	Exp.time in minutes	Kinds of plates	Observer
1245	28752.540	15	Kodak Eastman 40	Detre
1246	28754.394	15	"	"
1247	.436	15	"	"
1248	.485	15	"	"
1249	.502	15	"	"
1250	.521	15	"	"
1256	28758.463	20	"	"
1257	.485	20	"	"
1261	28760.406	20	"	"
1262	.443	20	"	"
1264	28774.392	15	"	"
1266	28775.379	15	"	"
1267	.396	15	"	"
1268	.411	15	"	"
1269	.426	15	"	"
1270	.440	15	"	"
1271	.456	15	"	"
1272	.471	15	"	"
1278	28776.367	15	"	"
1279	.383	15	"	"
1280	.397	15	"	"
1281	.411	13	"	"
1282	.427	15	"	"
1283	.442	16	"	"
1284	.456	15	"	"
1285	.474	15	"	"
1289	28779.392	20	"	"
1290	.411	20	"	"
1291	.437	42	"	"
1297	28780.376	40	"	"
1298	.396	20	Guilleminot Superfulgur	"
1299	.422	20	Kodak Eastman 40	"
1309	28783.406	25	Guilleminot Superfulgur	"
1310	.429	20	"	"
1311	.449	20	"	"
1387	28837.251	15	"	"
1388	.265	15	"	"
1389	.279	15	"	"
1390	.293	15	"	"
1391	.307	15	"	"
1392	.325	20	"	"
1746	29107.517	15	"	Kulin
1747	.531	15	"	"
1748	.544	15	"	"
1749	.558	15	"	"
1750	.570	15	"	"
1753	29108.470	15	"	Detre
1754	.485	15	"	"
1755	.500	15	"	"

Table I. (continued)

Plate R	JD 2400000+	Exp.time in minutes	Kinds of plates	Observer
1756	29108.515	15	Guilleminot Superfulgur	Detre
1757	.530	15	"	"
1758	.544	15	"	"
1759	.558	15	"	"
1760	29109.474	15	"	Kulin
1761	.488	15	"	"
1762	.500	15	"	"
1763	.513	15	"	"
1764	.526	15	"	"
1765	.540	15	"	"
1766	.553	15	"	"
1769	29110.435	15	"	Detre
1770	.449	15	"	"
1771	29113.423	15	"	"
1772	.440	15	"	"
1773	.454	15	"	"
1774	.467	15	"	"
1775	.482	15	"	"
1776	.496	15	"	"
1777	.510	35	"	"
1779	29114.423	15	"	Kulin
1780	.438	15	"	"
1781	.452	15	"	"
1783	29130.385	15	"	"
1784	29131.347	15	"	"
1786	.379	15	"	"
1787	.393	15	"	"
1788	.408	15	"	"
1789	.449	15	"	Detre
1790	.463	15	"	"
1791	.476	15	"	"
1792	.491	17	"	"
1793	.505	15	"	"
1799	29132.371	15	"	Kulin
1800	.385	15	"	"
1801	.398	15	"	"
1802	.411	15	"	"
1803	.424	15	"	"
1804	.434	05	"	"
1806	29138.441	15	"	"
1807	.458	15	"	"
1808	.471	13	"	"
1809	.484	15	"	"
1810	.495	12	"	"
1812	29141.362	15	"	"
1813	.375	15	"	"
1814	.388	15	"	"
1815	.403	15	"	"
1816	.416	15	"	"
1817	29141.429	15	"	"

Table I. (continued)

Plate R	JD 2400000+	Exp.time in minutes	Kinds of plates	Observer
1818	29141.444	15	Guilleminot Superfulgur	Kulin
1819	.456	15	"	"
1820	.469	15	"	"
1821	.482	15	"	"
1822	.495	15	"	"
1837	29159.356	15	"	"
1838	.370	15	"	"
1839	.383	15	"	"
1840	.396	15	"	"
1849	29160.342	15	"	"
1850	.354	15	"	"
1851	.367	15	"	"
1852	.380	13	"	"
1853	.394	15	"	"
1854	.409	15	"	"
1860	29161.344	15	"	"
1861	.357	15	"	"
1862	.372	15	"	"
1863	.386	15	"	"
1864	.399	15	"	"
1878	29162.325	15	"	"
1879	.339	15	"	"
1880	.352	13	"	"
1881	.365	15	"	"
1882	.378	15	"	"
1883	.392	15	"	"
1896	29166.399	10	"	"
1901	29167.353	15	"	"
1902	.366	15	"	"
1903	.378	11	"	"
1904	.391	15	"	"
1935	29187.274	15	"	"
1936	.305	15	"	"
1937	.318	15	"	"
1938	.331	13	"	"
2265	29518.315	5	"	"
2266	.336	15	"	"
2267	.349	15	"	"
2268	.362	15	"	"
2269	.375	15	"	"
2277	29519.455	15	"	"
2279	29520.313	15	"	"
2280	.327	21	"	"
2281	.339	15	"	"
2282	.352	15	"	"
2283	.363	15	"	"
2284	.376	15	"	"
2285	29546.266	15	"	"
2286	.279	15	"	"
2491	29870.406	15	"	"

Table I. (continued)

Plate R	JD 2400000+	Exp.time in minutes	Kinds of plates	Observer
2497	29877.369	15	Guilleminot Superfulgur	Kulin
2498	.381	15	"	"
2499	.394	15	"	"
2501	.453	15	"	"
2502	.481	15	"	"
2503	.499	13	"	"
2505	29879.309	15	"	"
2506	.321	17	"	"
2507	.339	15	"	"
2508	.372	15	"	"
2510	.422	15	"	"
2511	.435	15	"	"
2512	.449	15	"	"
2712	30259.319	15	"	"
2713	.330	12	"	"
2714	.340	12	"	"
2722	30260.340	15	"	"
2723	.354	15	"	"
2724	.372	15	"	"
2725	.387	15	"	"
2726	.406	15	"	"
2727	.427	15	"	"
2733	30261.309	15	"	"
2734	.323	15	"	"
2735	.334	12	"	"
2736	.344	10	"	"
2737	.374	15	"	"
2738	.388	15	"	"
2739	.402	15	"	"
2740	.417	15	"	"
2741	.434	15	"	"
3202	33502.437	10	"	Detre,Herczeg
3205	.484	10	"	"
3206	.502	10	"	Herczeg,Ozsváth
3207	.518	10	"	"
3208	.532	10	"	"
3286	33858.435	10	"	Lovas
3287	.445	10	"	"
3290	.474	20	"	"
3291	.486	10	"	"
3309	33861.427	12	"	"
3310	.439	9	"	"
3311	.452	12	"	Herczeg
3312	.477	12	"	Herczeg,Lovas
3313	.464	12	"	"
3314	.491	12	"	"
3315	.503	12	"	"
3316	.517	12	"	
3317	.531	12	"	"
3318	.546	12	"	"

Table I. (continued)

Plate R	JD 2400000+	Exp.time in minutes	Kinds of plates	Observer
3319	33861.562	12	Guilleminot Superfulgur	Herczeg,Lovas
3331/a	33865.378	12	"	"
3332	.392	12	"	"
3333	.405	12	"	"
3334	.418	13	"	"
3335	.430	12	"	"
3336	.442	12	"	"
3337	.456	12	"	"
3338	.468	12	"	"
3340	.563	12	"	"
3341	.575	12	"	"
3348	33871.454	12	"	Lovas
3350	.483	12	"	"
3351	.496	12	"	"
3352	.507	12	"	"
3353	.518	12	"	"
3355	.542	12	"	"
3356	.555	12	"	"
3357	.570	12	"	"
3358	.584	12	"	"
3359	33872.446	37	"	"
3360	.452	10	"	"
3362	.487	12	"	"
3363	.500	12	"	"
3364	.519	12	"	"
3365	.533	12	"	"
3366	.546	12	"	"
3367	.560	22	"	"
3368	.573	12	"	"
3369	.586	12	"	"
3370	.599	10	"	"
3373	33881.401	10	"	"
3374	.413	10	"	"
3375	.425	10	"	"
3376	.439	10	"	"
3377	.451	10	"	"
3378	.470	10	"	"
3379	.483	10	"	"
3380	33884.395	12	"	"
3381	.408	12	"	"
3382	.436	11	"	"
3383	.450	12	"	"
3384	.464	12	"	"
3385	.478	12	"	"
3386	.495	12	"	"
3387	.521	15	"	"
3388	.539	15	"	"
3389	.558	15	"	"
3390	.574	15	"	"
3391	.594	14	"	"

Table I. (continued)

Plate R	JD 2400000+	Exp.time in minutes	Kinds of plates	Observer
3397	33887.457	32	Guilleminot Superfulgur	Lovas
3398	.478	12	"	"
3399	.498	12	"	"
3400	.511	12	"	"
3401	.524	12	"	"
3405	33888.400	12	"	"
3406	.412	12	"	"
3407	.425	12	"	"
3408	.437	12	"	"
3409	.461	12	"	"
3410	.474	12	"	"
3411	.485	12	"	"
3419	33889.454	12	"	"
3420	.472	12	"	"
3421	.488	2	"	"
3422	.497	12	"	"
3423	.512	12	"	"
3430	33894.380	12	"	"
3431	.393	12	"	"
3432	.408	12	"	"
3433	.420	12	"	"
3434	.439	12	"	"
3449	33895.443	12	"	"
3450	.457	12	"	"
3451	.468	12	"	"
3452	.487	12	"	"
3453	.498	12	"	"
3454	.514	12	"	"
3455	.526	15	"	"
3456	.541	15	"	"
3742	34238.526	15	"	"
3743	.539	16	"	"
3744	.553	15	"	"
3745	.565	15	"	"
3746	.580	15	"	"
3765	34241.435	15	"	"
3766	.450	15	"	"
3767	.463	15	"	"
3768	.479	15	"	"
3769	.492	15	"	"
3792	34253.410	20	"	"
3794	.446	20	"	"
3800	34254.449	20	"	"
3801	.467	20	"	"
3802	.484	20	"	"
3803	.505	10	"	"
3804	.525	22	"	"
3808	34270.492	20	"	"
3809	.514	20	"	"
3953	34573.459	15	"	"

Table I. (continued)

Plate R	JD 2400000+	Exp.time in minutes	Kinds of plates	Observer
3954	34573.473	15	Guilleminot Superfulgur	Lovas
3990	34606.527	20	"	"
3991	.541	20	"	"
3992	.556	20	"	"
3993	.571	20	"	"
3994	.586	20	"	"
4062	34945.407	15	"	"
4063	.424	15	"	"
4075	34949.463	15	"	"
4473	35371.410	15	"	"
4474	.423	15	"	"
4475	.436	15	"	"
4476	.455	15	"	"
4556	35720.298	16	"	"
4557	.315	15	"	"
4558	.328	15	"	"
4559	.344	15	"	"
4560	.356	15	"	"
4561	.369	16	"	"
4562	.381	15	"	"
4563	.394	15	"	"
4564	35725.327	16	"	"
4565	.377	15	"	"
4566	.419	16	"	"
4567	.432	15	"	"
4568	.445	15	"	"
4569	.457	15	"	"
4570	.495	15	"	"
4571	.507	15	"	"
4572	.519	15	"	"
4573	.531	15	"	"
4591	36068.496	15	"	"
4592	.514	15	"	"
4593	.528	15	"	"
4594	.543	15	"	"
4598	36073.380	15	"	"
4599	.393	15	"	"
4600	.406	15	"	"
4601	.419	15	"	"
4602	.432	15	"	"
4603	.446	15	"	"
4604	.459	15	"	"
4605	.473	15	"	"
4606	.486	15	"	"
4607	.500	15	"	"
4608	36074.381	15	"	"
4609	.394	15	"	"
4610	.406	15	"	"
4611	.420	16	"	"
4612	.434	15	"	"

Table I. (continued)

Plate R	JD 2400000+	Exp.time in minutes	Kinds of plates	Observer
4613	36074.447	15	Guilleminot Superfulgur	Lovas
4614	.460	15	"	"
4615	.473	15	"	"
4616	.486	15	"	"
4617	.500	15	"	"
4618	.513	15	"	"
4619	.526	15	"	"
4836	38259.416	15	Kodak 103a-0	Barlai,Szeidl
4838	.473	15	Gevaert	"
4839	.493	15	"	"
4847	38268.472	12	Kodak 103a-0	"
4848	.487	12	"	"
4849	.502	12	"	"
4850	.518	12	Agfa Astro Spezial	"
4851	.531	12	Kodak 103a-0	"
4852	.544	12	"	"
4853	.558	12	"	"
4854	.572	12	"	"
4855	.586	14	"	"
4856	.601	15	"	"
4857	38289.280	12	"	"
4858	.304	12	"	"
4859	.325	12	"	"
4860	.346	12	"	"
4861	.373	12	"	"
4862	.402	12	"	"
4863	.420	12	"	"
4865	.466	12	"	"
4866	.482	12	"	"
4867	.506	12	Gevaert	"
4868	.522	12	"	"
4869	.547	12	"	"
4870	.560	12	"	"
4871	.574	14	"	"
4894	39350.467	13	Kodak 0a0	Barlai
4895	.483	13	"	"
4896	.496	13	"	"
4898	.522	13	"	"
4899	.535	13	"	"
4900	39351.498	13	"	"
4901	.512	13	"	"
4902	.524	13	"	"
4903	.536	13	"	"
4908	39355.445	13	"	Lovas
4909	.460	13	"	Barlai
4910	.474	13	"	"
4911	.490	13	"	"
4912	.504	13	"	"
4913	.520	13	"	"
4914	.533	13	"	"

Table II.

Photographic Observations

J.D. 24 00 000+	V1	V2	V3	m-10 V4	V5	V6	V7	V8
28 752.540	4.62	5.38	5.98	-	6.12	5.38	5.83	-
28 754.394	4.92	5.85	5.70	-	-	-	5.53	-
.436	5.17	-	5.83	6.11	6.14	5.77	5.48	-
.485	5.44	6.12	6.45	-	-	5.17	5.59	-
.502	5.31	5.80	6.09	-	-	5.17	5.79	-
.521	5.21	5.65	6.10	6.01	5.92	5.21	5.82	-
28 758.463	4.54	5.95	-	6.04	6.00	5.50	5.60	-
.485	4.62	5.90	-	5.98	5.68	5.34	5.49	-
28 760.406	5.21	-	6.05	-	5.72	-	5.70	-
.443	5.45	-	-	-	5.80	-	5.79	-
28 774.392	4.70	5.83	-	5.94	6.09	5.79	5.90	5.98
28 775.379	5.15	6.04	6.07	6.23	5.84	5.63	5.56	5.25
.396	5.18	5.91	5.92	6.14	5.63	5.50	5.62	5.31
.411	5.12	6.02	6.02	6.13	5.92	5.70	5.60	5.38
.426	5.16	6.01	6.11	6.21	5.60	5.71	5.67	5.30
.440	5.08	5.92	6.34	-	5.85	-	5.67	5.60
.456	4.91	5.84	6.08	6.50	5.72	5.69	5.65	5.54
.471	4.87	6.05	6.23	6.13	5.80	5.82	5.76	5.69
28 776.367	5.40	5.96	6.09	6.19	6.05	5.88	5.93	-
.383	5.46	6.06	6.22	6.39	6.20	-	5.98	6.04
.397	5.61	6.09	6.16	-	6.34	5.97	5.87	-
.411	-	-	6.20	6.37	6.25	5.48	5.92	-
.427	5.53	5.72	5.91	6.20	6.26	5.49	5.60	5.82
.442	5.67	5.67	6.06	6.48	6.26	5.45	5.60	-
.456	5.40	5.64	5.80	-	5.91	5.19	5.56	-
.474	5.50	5.40	5.56	6.16	6.10	5.04	5.60	-
28 779.392	5.47	5.76	6.27	5.67	6.00	5.69	5.64	5.72
.411	5.40	5.72	6.30	5.88	6.12	5.80	5.70	5.72
.437	5.61	5.92	6.26	5.92	6.15	5.80	5.68	5.86
28 780.376	5.22	5.99	5.77	6.00	5.71	6.00	5.99	6.11
.396	5.18	6.12	5.81	6.10	5.69	5.60	5.98	6.00
.422	5.30	5.88	5.75	6.30	5.75	5.45	5.99	-
28 783.406	5.21	5.51	6.17	5.51	6.01	5.72	5.80	5.94
.429	5.37	5.69	5.81	5.69	5.65	5.70	5.62	5.85
.449	5.21	5.70	5.77	5.59	5.77	5.71	5.53	5.99
28 837.251	5.00	6.06	5.97	6.34	5.70	5.49	6.00	5.87
.265	4.91	6.03	6.03	6.22	5.67	5.62	6.02	5.91
.279	4.94	6.05	6.01	6.25	5.62	5.50	6.02	-
.293	4.78	6.00	6.00	6.02	5.59	5.40	6.00	6.06
.307	4.70	5.85	5.90	6.04	5.72	5.72	5.98	-
.325	4.60	5.73	6.00	5.68	5.68	5.55	6.10	-
29 107.517	4.83	5.96	6.13	6.36	6.00	5.00	6.12	5.00
.531	-	6.02	6.16	6.32	6.27	-	6.17	5.05
.544	-	-	6.31	6.31	6.20	-	5.98	-
.558	-	-	-	6.00	6.40	-	6.10	4.90
.570	-	-	-	6.06	6.10	-	6.09	4.80
29 108.470	5.20	5.50	5.60	6.06	5.78	5.61	5.56	6.04
.485	5.60	5.54	5.90	6.36	5.71	5.78	5.62	6.04
.500	5.44	5.60	5.74	6.11	5.59	-	5.68	5.92
.515	5.51	5.79	5.88	6.05	5.69	5.72	5.80	-

Table II. cont.

J.D. 24 00 000+	V1	V2	V3	m-10 V4	V5	V6	V7	V8
29 108.530	5.52	5.74	5.95	6.11	5.67	6.03	5.91	-
.544	5.39	5.84	5.86	5.94	5.64	5.70	5.99	5.82
.558	5.64	5.81	5.86	5.80	5.72	-	5.99	-
29 109.474	4.76	5.95	6.33	6.03	6.10	5.00	5.60	5.16
.488	4.97	6.04	6.13	5.90	6.12	5.11	5.53	5.26
.500	5.02	5.86	6.23	5.82	6.18	5.11	5.60	5.24
.513	4.92	5.98	6.37	5.60	6.18	5.27	5.62	5.41
.526	5.14	6.04	6.31	5.60	6.34	5.32	5.64	5.40
.540	5.11	6.10	6.27	5.66	6.20	5.43	5.63	5.49
.553	5.26	6.07	6.02	5.60	6.29	5.34	5.70	5.60
29 110.435	4.81	5.43	5.80	5.82	-	-	-	-
.449	4.71	5.66	5.80	5.61	-	-	-	-
29 113.423	4.50	5.97	6.11	6.02	6.14	5.18	5.83	5.37
.440	4.49	6.01	5.97	-	5.89	4.96	5.90	5.44
.454	4.60	5.92	6.00	-	5.98	4.95	5.91	-
.467	4.51	5.90	5.78	-	5.78	4.92	5.87	-
.482	4.58	5.96	5.78	-	5.78	5.06	5.68	-
.496	4.48	5.76	5.72	-	5.65	4.93	5.47	-
.510	4.51	-	5.68	6.08	5.68	-	-	-
29 114.423	5.73	5.93	6.13	6.19	6.04	-	5.93	-
.438	5.60	5.80	6.12	6.19	5.97	5.90	5.87	-
.452	5.50	5.70	5.95	6.30	6.13	5.71	5.94	-
29 130.385	5.15	5.66	6.17	6.10	5.66	-	-	-
29 131.347	5.14	-	5.98	6.28	5.92	-	-	-
.379	-	5.90	5.82	6.12	6.06	-	-	5.78
.393	5.31	5.92	5.70	6.23	6.16	5.15	6.12	5.68
.408	-	5.82	5.71	6.29	6.29	-	6.09	5.12
.449	-	5.78	5.78	5.72	6.20	-	6.13	-
.463	5.14	5.98	5.96	5.73	6.22	-	6.08	5.00
.476	-	5.99	5.94	5.71	6.18	-	-	-
.491	5.26	5.94	5.90	5.58	6.03	-	-	5.20
.505	5.10	5.94	6.00	5.66	6.04	-	-	5.10
29 132.371	4.67	5.59	6.51	6.01	5.72	5.53	5.94	5.99
.385	4.79	5.48	6.40	5.79	5.56	5.57	5.94	5.94
.398	4.49	5.55	6.20	5.74	5.70	5.50	6.09	5.74
.411	4.41	5.53	6.37	5.56	5.75	-	5.83	-
.424	4.54	5.61	6.37	5.64	5.75	-	5.94	5.79
.434	4.80	-	-	5.53	-	5.78	-	-
29 138.441	5.00	5.50	5.90	5.83	5.83	5.36	5.91	5.93
.458	5.17	5.53	5.83	5.88	5.64	5.45	5.99	5.94
.471	5.20	5.24	5.70	6.08	5.70	5.62	5.74	5.92
.484	5.19	5.70	5.96	6.25	5.78	5.70	5.63	6.04
.495	5.30	5.50	5.85	6.19	5.66	5.62	5.53	5.72
29 141.362	5.28	5.68	6.25	6.22	6.21	5.49	5.99	5.79
.375	5.25	5.86	6.35	6.32	6.19	5.34	6.07	5.86
.388	5.20	5.71	6.33	6.33	6.13	5.22	6.05	5.98
.403	5.49	5.74	6.29	6.13	6.06	5.18	5.92	5.87
.416	5.30	5.87	6.08	6.24	6.39	4.99	5.90	6.02
.429	5.34	5.84	6.27	6.33	6.17	4.96	5.62	6.10
.444	5.44	5.85	5.95	6.00	6.32	5.07	5.60	5.92

Table II. cont.

J.D. 24 00 000+	V1	V2	V3	m-10 V4	V5	V6	V7	V8
29 141.456	5.36	5.75	5.77	6.13	6.25	5.10	5.56	6.04
.469	5.22	5.86	5.78	5.84	6.22	4.98	5.59	6.01
.482	5.41	5.93	5.79	5.70	6.31	5.02	5.61	5.93
.495	5.42	5.87	5.73	5.52	5.93	5.28	5.60	5.95
29 159.356	4.70	6.01	5.74	5.70	5.96	5.54	-	5.69
.370	4.60	5.95	5.62	5.65	5.98	5.36	5.94	5.85
.383	4.70	5.95	5.64	5.60	6.07	5.13	5.99	5.78
.396	4.52	6.16	5.65	5.52	6.06	5.01	6.05	5.75
29 160.342	5.52	5.38	6.16	5.58	5.81	5.82	5.91	6.00
.354	5.50	5.40	6.30	5.59	5.72	5.82	5.93	6.11
.367	5.51	5.42	6.30	5.65	5.63	5.83	6.06	6.05
.380	5.46	5.34	6.17	5.69	5.60	5.69	6.10	6.16
.394	5.48	5.56	6.44	5.80	5.71	5.71	6.09	6.08
.409	-	5.28	6.30	5.95	5.68	-	-	-
29 161.344	5.18	5.85	5.68	5.78	6.19	5.58	5.61	5.70
.357	5.22	5.80	5.72	5.88	6.33	5.57	5.56	5.82
.372	5.25	5.94	5.77	6.04	6.08	5.31	5.66	5.79
.386	5.24	6.14	5.80	6.01	5.97	5.05	5.74	5.59
.399	5.18	6.04	5.72	6.10	6.32	5.01	5.79	5.92
29 162.325	4.56	6.10	6.21	6.05	5.65	5.70	5.92	6.34
.339	-	5.70	6.38	6.04	5.80	-	-	5.81
.352	4.60	6.07	6.25	6.22	5.76	5.70	5.86	6.21
.365	4.57	5.76	6.35	6.18	5.66	5.56	5.72	6.07
.378	4.51	5.48	6.18	6.11	5.77	5.61	5.66	6.02
.392	4.63	5.46	6.39	6.23	5.78	5.61	5.66	6.01
29 166.399	5.08	5.77	5.60	-	5.94	-	-	5.32
29 167.353	5.37	5.64	6.18	6.11	5.68	5.29	5.90	5.92
.366	5.30	5.73	6.28	6.21	5.72	5.11	5.94	6.02
.378	5.34	5.74	6.40	6.20	5.77	5.02	5.94	6.06
.391	5.27	5.70	6.40	6.15	5.82	4.90	5.95	5.96
29 187.274	4.86	5.83	6.25	5.58	5.62	-	5.82	5.83
.305	5.16	5.72	6.05	5.50	5.58	-	5.87	5.76
.318	5.10	5.86	6.06	5.62	5.64	5.26	5.93	6.04
.331	5.33	5.83	5.85	5.72	5.74	5.41	5.94	-
29 518.315	5.60	5.60	5.98	6.33	6.34	5.38	5.63	6.05
.336	5.20	5.52	6.08	6.23	6.17	4.66	5.66	5.64
.349	5.39	5.54	6.14	6.16	6.22	4.70	5.68	5.79
.362	5.42	5.62	6.07	6.08	6.18	4.64	5.75	5.81
.375	5.32	5.58	6.21	5.98	6.20	4.71	5.86	5.83
29 519.455	5.01	5.95	5.87	6.08	6.20	5.51	5.92	-
29 520.313	4.49	5.43	6.31	5.46	6.24	5.14	5.99	5.86
.327	4.52	5.41	6.35	5.59	6.03	4.92	6.00	5.92
.339	4.44	5.38	6.14	5.51	5.79	4.82	5.98	5.87
.352	4.52	5.49	6.27	5.65	5.70	4.74	5.79	5.84
.363	4.55	5.54	6.25	5.77	5.65	4.71	5.95	5.88
.376	4.49	5.48	6.24	5.82	5.68	4.74	5.60	5.89
29 546.266	4.48	5.40	5.81	6.12	5.94	5.50	5.93	5.76
.279	4.44	5.37	5.89	6.10	5.90	5.19	5.96	5.52
29 870.406	5.50	6.10	5.87	6.14	5.80	-	-	-
29 877.369	5.26	5.91	5.70	5.88	5.56	5.05	5.60	5.49

Table II. cont.

J.D. 24 00 000+	V1	V2	V3	m-10 V4	V5	V6	V7	V8
29 877.381	5.25	5.93	5.74	6.19	5.57	5.20	5.82	5.75
.394	5.34	5.83	5.67	6.11	5.65	5.22	5.90	5.73
.453	5.27	5.56	5.80	5.57	5.72	5.36	5.94	5.74
.481	5.30	5.56	5.84	5.52	5.99	5.49	5.98	6.03
.499	5.41	5.61	5.85	5.46	6.12	5.43	6.01	5.95
29 879.309	5.53	6.00	5.76	6.20	5.72	4.93	5.94	5.77
.321	5.59	6.03	5.78	5.90	5.76	4.94	5.94	5.75
.339	5.27	5.78	5.60	5.56	5.69	4.90	5.98	5.61
.372	5.13	5.91	5.83	5.48	5.90	5.00	6.01	5.81
.422	5.13	5.95	5.92	5.83	6.12	5.07	6.12	5.85
.435	4.93	5.86	5.86	5.79	6.07	5.26	5.86	5.75
.449	5.01	5.84	5.85	5.91	6.20	5.29	5.98	6.02
30 259.319	4.39	5.46	6.18	6.29	5.72	5.51	5.60	5.73
.330	4.35	5.49	6.41	6.35	5.86	5.40	5.60	5.51
.340	4.42	5.55	6.28	6.27	5.82	5.48	5.72	5.67
30 260.340	5.04	5.85	5.68	5.55	5.86	5.02	5.48	5.86
.354	4.98	5.88	5.74	5.57	5.84	4.95	5.60	5.85
.372	5.03	5.98	5.68	5.55	5.69	5.11	5.68	5.72
.387	4.92	5.91	5.82	5.56	5.60	4.89	5.73	5.43
.406	4.90	5.94	5.83	5.73	5.64	5.09	5.70	5.32
.427	4.86	5.99	5.90	5.73	5.63	5.20	5.84	5.10
30 261.309	5.21	5.62	6.34	5.60	5.97	5.51	6.10	5.73
.323	5.23	5.48	6.41	5.52	6.02	5.53	5.95	5.76
.334	5.19	5.47	6.27	5.57	6.16	5.53	6.13	5.81
.344	5.27	5.43	6.30	5.70	6.16	5.42	6.10	5.86
.374	5.31	5.38	6.39	5.82	6.27	5.40	5.85	5.76
.388	5.41	5.57	6.33	6.00	6.28	5.54	5.76	5.93
.402	5.40	5.62	6.15	5.96	6.19	5.63	5.57	5.87
.417	5.41	5.57	5.94	5.91	6.18	5.67	5.56	5.94
.434	5.32	5.65	6.02	5.98	6.18	5.62	5.62	6.03
33 502.437	4.43	5.99	5.63	5.49	5.57	5.44	6.10	5.91
.484	4.44	5.95	5.86	5.72	5.72	5.43	6.14	5.84
.502	4.48	5.96	6.07	5.66	5.75	5.55	5.91	5.88
.518	4.58	6.04	6.10	5.93	-	5.68	5.71	6.19
.532	4.57	5.88	6.09	5.95	5.77	5.49	5.66	6.05
33 858.435	5.49	5.83	5.95	6.08	6.36	5.32	5.54	6.14
.445	5.40	5.64	5.87	6.26	6.22	5.14	5.82	5.95
.474	5.55	5.49	5.57	6.01	6.15	4.92	5.79	6.03
.486	5.61	5.52	5.56	6.30	6.06	5.06	5.80	6.29
33 861.427	5.43	5.77	6.26	6.06	6.06	5.58	5.85	5.57
.439	5.35	5.89	6.43	5.72	6.26	5.58	5.93	5.65
.452	5.31	5.90	6.44	5.56	6.13	5.97	5.91	5.72
.464	5.25	5.85	6.52	5.64	6.35	5.78	5.98	5.75
.477	5.27	5.70	6.29	5.49	6.30	5.56	5.90	5.67
.491	5.13	5.75	6.53	5.55	6.25	5.60	5.99	5.69
.503	5.22	5.72	6.20	5.61	6.04	5.70	5.94	5.79
.517	5.12	5.83	6.13	5.61	6.18	5.92	6.01	5.88
.531	5.00	6.09	5.89	5.82	6.31	5.78	6.12	5.78
.546	5.12	6.09	5.85	5.75	6.47	-	6.08	6.17
.562	5.10	6.03	5.94	6.19	6.18	5.94	-	6.11

Table II. cont.

24 00 000+	V1	V2	V3	m-10 V4	V5	V6	V7	V8
33 865.378	5.36	5.48	6.25	**6.11**	6.50	5.52	5.53	5.81
.392	5.31	5.42	6.24	**6.39**	6.22	5.54	5.55	5.85
.405	5.45	5.51	6.17	**6.37**	6.19	5.56	5.60	5.87
.418	5.44	5.67	6.16	**6.32**	6.30	5.64	5.59	6.01
.430	5.50	5.65	6.16	**6.45**	6.26	5.68	5.79	5.86
.442	5.29	5.50	5.75	**6.20**	5.78	5.74	5.80	5.91
.456	5.56	5.60	5.76	**6.35**	5.84	5.70	5.84	6.05
.468	5.30	5.67	5.66	**6.28**	5.60	5.69	5.86	5.75
.563	5.52	5.76	5.89	**5.59**	5.82	5.68	5.90	5.90
.575	5.44	5.82	5.85	**5.59**	5.60	5.77	5.93	5.81
33 871.454	5.31	5.60	5.96	6.11	6.16	5.65	5.85	6.03
.483	5.40	5.46	6.10	5.77	6.27	5.62	5.98	6.16
.496	5.25	5.32	6.13	**5.60**	6.26	5.76	5.95	5.85
.507	5.22	5.41	6.01	**5.58**	6.16	5.68	5.98	5.98
.518	5.22	5.50	6.20	**5.56**	6.30	5.58	6.00	5.89
.542	5.22	5.56	6.28	**5.74**	6.45	5.70	5.80	5.95
.555	5.12	5.64	6.43	**5.78**	6.06	5.77	5.62	6.11
.570	5.12	5.43	6.38	**5.72**	-	5.74	5.60	5.96
.584	5.07	5.70	6.40	**5.74**	5.91	5.62	5.53	5.81
33 872.446	5.32	5.78	5.86	**5.54**	5.65	-	5.79	5.71
.452	5.31	5.88	5.84	**5.75**	5.67	5.06	5.84	5.72
.487	5.35	5.87	5.77	**5.69**	5.78	5.16	5.79	5.74
.500	5.44	5.85	5.90	**5.67**	5.72	4.90	5.91	-
.519	5.24	6.10	5.80	**5.99**	5.88	5.16	5.91	5.89
.533	5.50	5.86	5.97	**5.87**	6.10	5.35	5.92	5.85
.546	5.43	5.90	5.88	**5.96**	6.06	5.35	5.97	5.72
.560	5.45	6.18	5.79	**5.94**	5.99	5.39	5.94	6.08
.573	5.52	5.98	5.93	**5.99**	5.94	5.54	5.79	6.02
.586	5.54	6.08	5.94	5.97	5.85	5.37	6.00	5.95
.599	5.59	6.07	5.96	-	-	5.71	5.99	6.11
33 881.401	5.64	6.12	5.68	**6.32**	6.04	-	6.18	5.48
.413	5.45	6.05	5.71	**6.19**	6.28	-	5.91	5.39
.425	5.68	5.94	5.73	-	6.20	-	5.73	5.46
.439	-	5.82	5.60	-	-	-	5.75	5.41
.451	5.70	6.01	5.84	**6.01**	5.99	-	5.78	5.63
.470	5.60	5.90	5.77	**6.12**	6.12	5.76	5.61	5.66
.483	5.41	6.19	5.91	**6.18**	6.07	5.82	5.67	5.77
33 884.395	5.53	6.02	6.45	**5.56**	5.54	5.39	5.79	6.20
.408	5.42	6.08	6.03	**5.54**	5.79	5.44	5.70	5.98
.436	5.30	5.88	6.11	**5.74**	5.94	4.96	5.61	5.94
.450	5.27	5.74	6.19	**5.80**	5.85	5.02	5.55	6.02
.464	5.30	5.61	6.12	**6.12**	5.94	5.09	5.56	5.92
.478	5.34	5.47	5.85	**6.07**	5.87	5.18	5.60	6.10
.495	5.22	5.47	5.95	**6.24**	6.27	5.24	5.55	6.21
.521	5.01	5.40	5.58	**6.23**	6.03	5.34	5.57	5.75
.539	5.02	5.50	5.86	**6.40**	6.41	5.35	5.67	5.38
.558	5.10	5.68	5.62	**6.36**	6.30	5.47	5.73	5.36
.574	5.00	5.66	5.53	**6.56**	6.46	5.55	5.73	5.30
.594	4.85	5.64	6.05	**6.13**	6.06	5.58	5.85	5.31
33 887.457	4.93	5.95	-	**5.97**	5.70	5.63	5.56	-

Table 11. cont.

J.D. 24 00 000+	V1	V2	V3	m-10 V4	V5	V6	V7	V8
33 887.478	4.91	5.91	-	5.81	6.06	5.63	5.53	6.13
.498	4.62	5.72	-	5.55	5.82	5.88	5.55	6.04
.511	4.79	5.83	6.15	5.65	5.95	5.69	5.56	-
.524	4.76	5.69	5.96	5.49	5.94	-	5.62	5.91
33 888.400	5.38	6.35	5.70	6.00	6.49	5.32	5.81	5.54
.412	5.39	5.94	5.64	5.81	6.09	5.17	5.83	5.42
.425	5.49	5.92	5.70	5.55	5.92	5.16	5.79	5.45
.437	5.54	6.40	-	5.84	6.37	5.11	5.83	5.41
.461	5.65	-	5.82	5.65	5.85	5.29	5.80	-
.474	5.40	5.92	5.60	5.42	6.17	5.15	5.62	-
.485	5.60	6.02	5.73	5.80	6.02	4.94	5.54	5.36
33 889.454	5.10	5.84	6.02	6.04	5.74	5.51	5.82	5.89
.472	5.12	5.82	-	5.82	5.84	5.60	5.80	-
.488	5.01	5.69	6.12	5.89	6.21	-	5.88	5.81
.497	5.34	-	-	-	6.30	-	5.87	-
.512	5.32	-	6.12	6.12	6.11	5.60	5.88	-
33 894.380	5.43	5.86	-	5.66	5.80	5.19	5.49	5.49
.393	5.54	5.99	6.07	5.65	5.81	5.01	5.48	-
.409	5.44	-	5.90	5.79	5.72	4.94	5.55	5.55
.420	5.79	-	-	5.63	5.80	5.17	5.56	5.74
.439	5.53	-	-	5.71	5.91	5.01	5.57	5.68
33 895.443	5.26	5.52	5.70	5.87	5.70	5.65	5.67	-
.457	5.39	5.37	5.62	5.68	5.51	5.82	5.63	6.07
.468	5.33	5.57	5.81	5.99	5.58	-	5.57	-
.487	5.27	5.48	5.98	6.08	5.60	-	5.54	-
.498	5.36	5.51	5.66	5.99	5.61	-	5.48	5.80
.514	5.41	5.52	5.64	5.98	5.76	-	5.50	5.45
.526	5.41	5.57	6.05	6.27	5.80	5.65	5.56	5.54
.541	5.47	5.53	5.75	6.14	5.59	-	5.60	5.24
34 238.526	4.63	6.00	6.33	6.21	5.80	6.02	5.85	6.03
.539	4.51	5.73	6.09	6.11	5.66	5.80	5.84	5.97
.553	4.44	5.76	6.42	6.07	5.52	5.49	5.84	-
.565	4.60	6.07	6.42	6.16	5.80	5.65	5.82	5.80
.580	4.51	5.67	6.26	-	5.60	5.80	5.91	-
34 241.435	4.52	6.12	5.59	6.14	5.93	5.10	5.54	5.84
.450	4.58	-	5.80	6.27	6.31	5.19	5.60	5.60
.463	4.72	5.84	5.90	6.09	6.07	5.34	5.62	5.84
.479	4.66	5.75	6.02	5.80	6.15	5.42	5.64	5.75
.492	4.51	-	5.68	5.79	-	5.20	-	5.87
34 253.410	5.36	5.70	6.13	5.88	6.31	-	-	-
.446	5.18	5.58	5.58	5.55	6.22	-	-	-
34 254.449	4.62	5.70	6.02	5.72	5.64	5.70	6.09	5.86
.467	4.66	5.85	6.18	5.76	6.20	5.88	5.93	5.68
.484	4.58	6.07	6.35	5.97	6.22	5.89	5.95	6.12
.505	4.76	6.15	6.40	5.92	6.36	5.68	5.97	5.87
.525	4.71	5.96	6.09	6.13	6.27	5.69	6.00	5.80
34 270.492	5.06	5.53	5.96	6.20	5.79	-	5.80	5.49
.514	5.13	5.50	5.79	5.94	-	-	5.81	5.73
34 573.459	4.47	6.08	5.86	-	6.06	-	5.80	-
.473	4.54	6.10	5.92	-	6.06	-	-	-

Table II. cont.

J.D. 24 00 000+	V1	V2	V3	m-10 V4	V5	V6	V7	V8
34 606.527	4.53	5.60	6.05	5.50	6.04	5.48	5.75	5.59
.541	4.50	5.70	6.22	5.64	6.30	5.54	5.91	-
.556	4.64	5.98	6.16	5.63	-	-	5.67	-
.571	-	5.89	6.11	5.69	-	5.55	5.91	5.73
.586	4.59	5.71	-	5.76	5.83	-	5.86	5.71
34 945.407	5.36	6.08	5.87	6.32	-	4.86	5.83	-
.424	5.49	6.09	5.72	-	6.12	-	5.82	-
34 949.463	5.52	-	6.00	-	5.78	5.20	-	-
35 371.410	4.37	5.62	5.88	5.62	6.00	5.62	5.79	6.30
.423	4.52	5.44	5.80	5.78	6.09	-	5.75	6.12
.436	4.56	5.65	5.88	6.01	5.94	-	5.82	6.09
.455	4.60	5.60	-	5.94	-	-	5.87	-
35 720.298	5.04	5.96	5.97	5.97	6.13	5.66	5.75	-
.315	5.26	5.98	5.94	6.34	6.22	5.60	5.72	6.00
.328	5.22	6.02	6.38	6.14	6.38	-	-	6.31
.344	4.99	5.74	6.35	5.85	6.40	5.74	5.91	6.35
.356	5.00	5.50	6.15	5.66	6.14	5.58	5.97	5.80
.369	4.90	5.47	6.27	5.62	6.27	5.47	5.87	5.69
.381	4.98	5.48	6.28	5.80	6.38	5.52	5.81	5.84
.394	4.98	5.46	5.96	5.70	6.25	5.73	5.80	-
35 725.327	5.14	5.86	6.00	6.02	6.36	-	5.61	5.87
.377	5.20	5.74	6.13	5.70	6.30	5.33	5.74	5.80
.419	5.14	5.92	6.40	5.70	5.92	5.32	5.73	5.82
.432	5.24	5.84	6.16	5.78	5.90	5.20	5.86	5.84
.445	5.08	5.90	6.16	5.75	5.74	5.30	-	5.84
.457	5.22	5.82	6.44	5.88	5.82	5.50	5.78	6.00
.495	5.34	6.12	6.50	5.93	5.61	5.47	5.87	5.87
.507	5.20	5.96	-	5.88	5.52	5.42	5.85	5.82
.519	5.18	5.98	6.12	6.08	-	5.70	5.91	6.06
.531	5.22	6.01	6.04	6.32	5.74	5.34	5.89	5.82
36 068.496	4.50	6.14	5.80	5.78	6.30	-	5.98	5.97
.514	4.40	6.02	5.84	5.88	6.20	5.68	5.69	6.00
.528	-	5.66	5.90	5.84	6.02	5.73	5.57	5.80
.543	-	5.78	5.78	5.78	5.78	5.67	5.63	-
36 073.380	5.12	5.88	6.05	6.32	6.11	-	5.73	5.00
.393	5.13	5.80	6.20	6.07	6.12	5.37	5.72	5.06
.406	5.16	5.74	6.18	6.10	6.24	5.34	5.60	5.10
.419	5.24	5.74	6.36	5.96	6.24	5.30	5.65	5.14
.432	5.26	5.96	6.18	5.68	6.18	5.36	5.61	5.24
.446	5.43	5.60	5.91	5.52	6.10	5.19	5.75	5.32
.459	5.28	5.57	6.10	5.76	6.21	5.10	5.72	5.54
.473	5.24	5.53	5.92	5.56	6.26	4.74	5.83	5.50
.486	5.25	5.40	5.86	5.52	6.33	4.84	5.85	5.36
.500	5.21	5.40	5.70	5.65	6.18	4.82	5.78	5.47
36 074.381	-	5.96	6.01	5.66	5.66	-	5.83	5.66
.394	-	5.60	5.94	5.85	-	-	5.87	-
.406	4.60	5.76	6.05	5.41	5.70	5.31	5.86	5.82
.420	4.49	5.60	5.90	5.54	5.65	5.39	5.60	5.84
.434	4.48	6.00	6.06	5.74	5.74	5.54	5.71	5.98
.447	4.36	5.76	6.00	5.65	5.85	5.38	5.61	5.92

Table II. cont.

24 00 000+	V1	V2	V3	m-10 V4	V5	V6	V7	V8
36 074.460	4.50	5.70	6.14	5.80	5.98	5.55	5.60	5.71
.473	4.51	6.00	6.18	5.94	6.05	5.64	5.63	6.05
.486	4.53	5.72	6.20	5.98	5.85	5.64	5.74	5.82
.500	4.72	5.90	6.28	6.08	6.20	5.71	5.74	5.99
.513	4.53	5.81	6.30	5.98	5.87	5.66	5.75	5.92
.526	4.68	6.07	6.29	6.15	6.06	5.55	5.77	-
38 259.416	4.64	6.04	5.72	5.56	5.70	5.38	5.99	5.90
.473	4.30	6.16	5.68	5.88	-	-	6.06	5.93
.493	4.38	6.00	5.82	5.88	-	-	6.16	-
38 268.472	-	6.07	5.66	5.94	5.94	-	-	-
.487	4.86	6.01	5.86	5.70	6.24	4.82	5.78	5.94
.502	4.70	5.97	5.89	5.67	5.89	-	5.86	5.80
.518	4.90	6.11	5.83	5.32	5.88	4.88	5.81	5.88
.531	-	5.94	6.00	5.60	5.94	-	5.80	-
.544	4.64	5.82	6.02	5.72	6.02	4.88	5.81	5.78
.558	4.67	5.77	6.20	5.65	5.78	4.67	5.91	-
.572	4.80	5.68	6.19	5.80	5.70	4.60	5.87	5.93
.586	5.16	5.60	6.26	6.00	5.70	4.89	5.93	6.10
.601	5.10	5.45	6.24	6.02	5.70	5.08	5.98	-
38 289.280	5.30	5.70	6.34	5.88	-	5.00	6.09	5.72
.304	5.56	5.75	6.24	6.00	5.75	5.24	5.83	5.57
.325	5.38	5.83	6.16	5.90	5.58	5.32	5.74	5.24
.346	5.51	5.75	5.92	6.09	5.61	5.43	5.63	5.25
.373	5.30	5.78	5.63	6.15	5.60	5.05	5.58	5.21
.402	5.24	5.80	5.75	6.20	5.86	5.32	5.65	5.25
.420	5.23	5.90	5.76	6.24	5.87	5.09	5.65	5.45
.466	5.02	5.90	5.73	6.15	5.96	5.20	5.79	5.39
.482	4.98	5.78	5.78	5.84	6.10	5.36	5.72	5.56
.506	4.94	6.05	5.78	5.42	6.00	5.34	5.86	5.47
.522	4.84	5.92	5.90	5.56	5.90	5.28	5.80	5.60
.547	5.02	6.05	6.35	5.60	6.24	5.44	5.87	5.52
.560	4.80	-	-	5.60	6.16	5.27	-	5.54
.574	4.78	6.02	-	5.37	-	-	-	5.85
39 350.467	5.34	5.60	6.45	6.13	5.98	5.33	5.70	5.32
.483	-	5.52	6.32	6.10	5.90	-	5.70	5.27
.496	5.26	5.43	6.22	6.14	5.77	5.74	5.63	5.19
.522	5.27	5.54	6.12	6.17	5.64	5.68	5.60	5.45
.535	-	5.55	-	6.13	-	-	-	5.45
39 351.498	5.42	5.97	5.75	6.21	6.24	5.32	6.00	5.98
.512	5.42	5.89	5.79	6.53	6.25	5.38	5.85	6.05
.524	5.70	5.91	5.88	6.00	6.07	-	6.00	5.81
.536	5.51	6.00	5.92	6.20	6.40	5.38	5.95	6.16
39 355.445	5.22	5.52	6.12	5.67	6.10	5.10	6.07	5.75
.460	5.25	5.70	5.98	5.88	5.96	5.25	6.03	5.90
.474	5.23	5.89	6.25	6.21	5.76	5.41	6.05	6.05
.490	5.18	5.89	6.06	5.97	5.83	5.46	5.96	6.08
.504	5.20	6.01	6.21	6.11	5.72	5.39	6.04	5.82
.520	5.20	5.78	6.22	5.98	5.59	-	6.09	5.93
.533	5.20	5.96	6.11	-	5.77	-	-	-

Table II. cont.

J.D. 24 00 000+	V9	V10	V11	m-10 V12	V13	V14	V15	V17
28 752.540	5.70	6.00	5.66	5.78	-	5.72	-	5.98
28 754.394	6.08	-	5.93	5.93	-	5.66	-	-
.436	6.09	-	5.90	-	-	5.80	5.83	5.76
.485	6.32	-	-	5.96	-	5.96	5.80	6.12
.502	-	-	-	-	-	5.94	5.85	6.05
.521	-	-	-	-	-	6.01	5.92	5.93
28 758.463	5.62	5.80	5.70	5.80	6.05	6.41	5.26	6.29
.485	5.89	5.84	5.90	-	5.98	-	5.54	6.25
28 760.406	5.65	5.33	-	-	-	-	-	5.60
.443	5.56	5.59	-	-	-	5.76	-	5.57
28 774.392	-	5.91	6.32	5.84	-	6.31	6.38	6.13
28 775.379	-	6.23	6.25	6.16	-	5.85	5.30	5.78
.396	6.15	5.76	6.20	6.08	-	5.71	5.35	5.60
.411	5.89	5.78	6.29	-	6.47	5.80	5.57	5.57
.426	5.75	5.96	6.11	5.77	6.35	5.77	5.62	5.60
.440	5.73	5.81	-	5.99	-	6.06	5.70	5.62
.456	5.35	5.62	6.18	5.35	6.31	5.92	5.77	5.60
.471	5.37	5.57	6.31	5.54	6.35	5.99	5.80	5.64
28 776.367	5.56	6.00	6.09	6.44	6.01	6.50	-	6.09
.383	5.81	6.08	5.92	6.10	5.94	6.60	6.59	6.12
.397	5.91	6.21	6.29	6.30	6.13	6.21	-	6.12
.411	5.83	-	6.20	-	6.00	-	-	-
.427	5.80	6.35	-	-	6.37	-	6.63	6.01
.442	6.07	-	6.48	6.06	6.34	6.60	6.72	6.10
.456	6.09	-	6.03	5.87	6.03	6.12	6.37	6.10
.474	5.81	-	6.31	-	6.53	6.10	-	6.05
28 779.392	6.00	5.85	5.69	6.06	6.27	6.32	-	5.96
.411	6.10	5.72	5.76	5.92	6.26	6.26	6.16	5.88
.437	6.26	5.99	5.92	6.08	6.30	6.27	5.61	5.82
28 780.376	6.28	6.31	5.59	5.70	6.21	5.86	6.56	6.16
.396	5.96	6.11	5.63	5.71	6.10	5.83	6.53	6.18
.422	5.67	5.80	5.70	6.07	6.20	5.90	6.66	6.10
28 783.406	5.44	-	-	-	-	5.80	6.67	6.02
.429	5.65	6.33	5.65	6.00	6.34	5.90	-	5.96
.449	5.47	6.20	5.60	6.07	6.30	5.77	6.42	5.78
28 837.251	5.90	5.62	5.99	5.58	5.64	5.80	5.20	5.56
.265	5.91	5.65	6.18	5.81	5.99	5.85	5.15	5.72
.279	6.05	5.69	6.07	5.80	5.83	5.65	5.26	5.78
.293	5.83	5.73	5.79	5.90	5.98	5.66	5.40	5.85
.307	5.92	5.76	5.72	6.00	6.17	5.85	5.44	5.90
.325	6.00	5.70	5.60	5.70	6.06	5.73	5.40	5.94
29 107.517	5.90	6.21	5.68	5.59	6.20	6.13	5.59	5.96
.531	5.69	6.07	5.83	5.70	6.30	6.41	5.89	6.05
.544	-	6.00	5.43	5.72	5.86	6.20	5.60	6.16
.558	6.00	6.20	5.74	-	6.37	6.52	5.82	6.16
.570	5.53	6.20	5.80	5.72	6.16	6.50	5.90	6.15
29 108.470	5.93	5.70	6.16	6.06	5.41	5.78	-	6.29
.485	6.13	5.71	5.78	6.15	5.30	5.78	6.60	6.30
.500	5.81	5.68	5.60	5.97	5.30	5.70	-	6.29
.515	6.20	5.69	5.53	5.97	5.40	5.80	-	6.31

Table II. cont.

J.D. 24 00 000+	V9	V10	V11	m-10 V12	V13	V14	V15	V17
29 108.530	6.29	5.82	5.60	6.15	5.30	5.89	6.36	6.29
.544	6.01	5.74	5.60	5.84	5.53	5.78	6.27	6.12
.558	6.11	5.70	5.57	5.86	5.72	5.81	-	6.00
29 109.474	5.47	6.09	6.14	6.10	6.46	6.20	6.41	5.60
.488	5.66	6.10	5.92	5.94	6.33	6.27	6.30	5.71
.500	5.24	6.38	5.94	6.03	6.18	6.38	6.43	5.76
.513	5.14	6.18	5.89	6.11	6.44	6.11	6.11	5.86
.526	5.29	6.14	5.70	5.94	6.37	6.37	6.44	5.89
.540	5.32	6.30	5.50	-	6.25	6.34	6.69	5.94
.553	5.42	6.44	5.70	6.23	6.29	6.44	6.61	5.85
29 110.435	5.68	5.77	-	5.21	6.09	5.58	5.43	5.60
.449	5.88	5.65	-	5.20	-	5.85	-	5.88
29 113.423	-	6.32	5.84	5.40	6.50	5.96	6.04	5.56
.440	5.96	-	5.81	5.36	-	5.66	5.87	5.88
.454	6.10	-	5.92	5.63	-	5.90	6.08	5.94
.467	5.92	-	5.88	5.64	-	5.75	6.01	5.97
.482	6.12	-	-	5.71	-	5.80	-	6.00
.496	-	5.76	6.02	5.55	-	5.63	-	6.10
.510	-	5.68	5.88	5.72	-	5.92	-	5.87
29 114.423	6.17	5.88	5.65	6.11	5.93	6.17	5.99	6.10
.438	6.20	5.88	5.72	6.12	6.13	6.20	5.40	6.16
.452	6.19	5.90	5.78	-	6.19	6.10	5.17	6.15
29 130.385	5.38	6.18	6.00	6.00	5.30	6.00	6.10	6.25
29 131.347	5.84	5.64	5.90	5.72	-	6.42	6.46	5.85
.379	6.06	5.74	5.99	5.96	6.12	5.96	5.04	5.76
.393	6.00	5.73	-	5.92	6.12	5.85	5.05	5.55
.408	-	-	6.06	5.89	6.19	5.82	5.25	5.61
.449	5.76	5.72	6.06	6.06	6.04	5.78	5.55	5.59
.463	5.73	5.79	5.94	6.15	5.65	6.04	5.86	5.90
.476	5.94	5.82	5.66	6.10	5.42	5.92	5.75	5.96
.491	5.58	6.09	5.58	6.01	5.01	5.90	6.03	6.02
.505	5.66	6.26	5.58	6.12	-	5.74	6.14	-
29 132.371	5.50	6.06	6.13	5.28	6.28	6.39	6.65	5.96
.385	5.33	6.24	6.12	5.30	6.18	6.24	6.47	5.80
.398	5.12	6.15	6.18	5.40	6.32	6.43	6.56	5.94
.411	4.98	5.82	6.20	5.31	6.17	6.58	6.53	5.97
.424	5.17	5.88	6.43	5.50	6.41	6.43	6.58	6.12
.434	5.23	5.84	-	5.69	-	-	-	6.05
29 138.441	5.90	6.18	5.76	5.83	5.39	6.26	5.56	6.15
.458	6.13	-	5.79	5.80	5.76	6.09	5.60	6.10
.471	6.00	6.23	5.62	5.74	5.43	6.30	5.58	6.18
.484	6.04	6.25	5.84	5.93	5.64	6.63	5.84	6.17
.495	5.88	6.02	6.02	6.02	5.60	6.36	5.86	6.29
29 141.362	5.80	5.44	6.19	5.55	5.69	5.76	5.53	5.97
.375	5.94	5.57	6.21	5.60	5.79	5.74	5.67	6.00
.388	5.94	5.55	6.19	5.67	5.84	5.80	5.71	6.05
.403	5.99	5.67	6.04	5.86	5.76	6.01	5.81	6.12
.416	6.14	5.61	6.05	5.84	5.96	5.85	5.99	6.16
.429	5.97	5.63	5.86	5.78	5.80	5.84	5.96	6.18
.444	6.11	5.90	5.60	5.82	5.80	5.82	5.98	6.19

Table II. cont.

J.D. 24 00 000+	V9	V10	V11	m-10 V12	V13	V14	V15	V17
29 141.456	6.00	5.88	5.50	5.88	6.04	5.90	6.05	6.08
.469	5.96	5.84	5.57	5.74	5.96	5.88	6.02	6.10
.482	5.97	5.92	5.39	5.89	6.53	6.08	6.13	6.12
.495	6.06	5.91	5.56	6.00	6.09	6.18	6.16	6.17
29 159.356	5.93	6.18	5.56	6.18	6.32	5.85	6.10	5.80
.370	5.98	6.26	5.65	6.05	6.13	5.76	5.70	5.89
.383	5.94	6.25	5.66	6.06	6.27	5.79	5.42	5.94
.396	6.12	6.19	5.72	6.14	6.38	5.99	5.26	5.91
29 160.342	5.41	5.78	5.62	5.71	5.77	6.25	6.48	6.32
.354	5.51	5.74	5.53	5.68	5.77	6.13	6.60	6.29
.367	5.44	5.65	5.49	5.57	5.87	6.28	6.56	6.30
.380	5.41	5.68	5.43	5.69	5.82	6.14	6.38	6.29
.394	5.58	5.90	5.69	5.90	5.96	6.21	6.50	6.12
.409	5.30	5.68	5.50	-	5.68	5.68	6.50	-
29 161.344	6.00	6.25	5.74	5.87	6.02	6.18	6.34	5.80
.357	6.00	6.13	5.61	5.82	5.84	6.07	6.34	5.93
.372	6.10	6.04	5.55	5.64	5.42	6.26	6.30	5.78
.386	6.26	6.09	5.49	5.32	5.30	6.26	6.39	5.94
.399	6.04	5.90	5.43	5.23	5.16	6.47	6.37	5.90
29 162.325	6.33	5.77	6.37	6.24	6.44	5.96	5.26	5.89
.339	5.89	5.82	6.16	5.98	6.42	5.87	5.44	5.70
.352	6.12	6.01	6.16	6.09	6.35	5.87	5.56	5.94
.365	6.03	5.83	5.92	6.15	6.29	5.71	5.54	5.97
.378	5.70	5.97	5.72	6.08	6.20	5.83	5.57	5.98
.392	5.58	6.05	5.58	6.08	6.37	5.84	5.63	6.12
29 166.399	-	6.18	6.14	6.14	6.14	6.30	5.11	-
29 167.353	6.21	5.78	5.91	5.28	6.12	5.74	6.37	5.55
.366	6.16	5.83	5.96	5.35	6.02	5.80	6.49	5.27
.378	5.92	5.90	6.13	5.50	6.13	5.95	6.34	5.28
.391	5.73	5.80	6.19	5.37	6.18	5.81	6.33	5.33
29 187.274	6.02	5.90	5.95	6.19	5.20	5.91	6.36	6.12
.305	6.02	5.80	6.10	6.14	5.40	6.00	-	6.13
.318	6.10	5.71	6.23	6.08	5.52	6.14	6.47	6.25
.331	6.17	5.75	6.30	-	5.70	6.04	6.44	6.29
29 518.315	6.09	6.12	6.10	5.45	6.26	6.29	5.73	5.89
.336	5.79	5.99	5.62	5.38	6.12	5.97	5.66	5.91
.349	5.86	6.15	5.59	5.52	6.08	5.96	5.72	5.94
.362	5.87	6.12	5.50	5.51	6.21	5.84	5.80	5.96
.375	5.85	6.03	5.51	5.59	6.25	5.87	5.88	6.05
29 519.455	5.26	5.87	5.50	5.22	6.29	6.36	5.59	5.80
29 520.313	5.80	5.98	6.15	6.00	5.86	5.59	6.22	5.26
.327	5.73	6.08	6.24	5.96	6.02	5.69	6.37	5.27
.339	5.70	5.99	6.23	5.87	5.92	5.70	6.49	5.36
.352	5.73	5.93	6.13	6.00	6.04	5.87	6.31	5.35
.363	5.70	5.82	6.01	5.94	5.97	5.87	6.25	5.39
.376	5.79	5.75	6.08	6.04	6.13	5.89	6.28	5.40
29 546.266	6.00	5.72	5.80	5.65	6.12	5.68	5.84	5.90
.279	6.05	5.63	5.85	5.62	6.17	5.67	5.60	5.89
29 870.406	-	6.12	-	5.54	5.76	-	-	5.91
29 877.369	5.96	5.99	5.95	6.08	6.01	6.19	5.89	6.12

Table 11. cont.

J.D. 24 00 000+	V9	V10	V11	V12	V13	V14	V15	V17
				m-10				
29 877.381	5.95	5.97	6.01	6.16	5.93	6.11	5.88	6.10
.394	6.04	6.00	5.83	6.08	6.00	6.23	5.97	6.16
.453	5.95	5.60	5.55	5.90	6.13	5.79	6.27	6.00
.481	6.07	5.70	5.68	5.69	6.29	5.86	6.37	5.94
.499	6.29	5.76	5.62	5.61	6.46	5.59	6.39	5.96
29 879.309	5.64	6.07	6.14	5.56	6.23	6.26	6.56	5.76
.321	5.73	6.11	6.36	5.42	6.36	6.22	6.58	5.34
.339	5.53	5.79	6.18	5.37	6.32	5.96	6.59	5.25
.372	5.59	5.60	6.29	5.46	6.19	5.81	6.63	5.46
.422	6.10	5.75	6.08	5.77	6.34	5.85	6.63	5.55
.435	5.94	5.59	5.96	5.76	-	5.77	-	5.77
.449	5.80	5.71	5.86	5.78	6.34	5.83	6.34	5.89
30 259.319	5.85	5.78	6.07	5.34	6.28	6.35	6.43	5.28
.330	6.00	5.77	6.10	5.22	6.24	6.39	6.47	5.30
.340	5.86	5.97	6.12	5.31	6.38	6.32	6.41	5.26
30 260.340	5.81	5.51	5.98	5.98	5.96	5.96	6.35	5.90
.354	5.59	5.55	6.11	6.04	6.06	6.00	6.49	5.94
.372	5.36	5.54	6.20	6.07	6.19	6.15	6.52	5.98
.387	5.15	5.55	6.16	6.01	6.29	6.20	6.44	6.00
.406	5.13	5.60	6.19	6.07	6.29	6.28	6.45	6.00
.427	5.24	5.52	6.19	6.03	6.29	6.33	6.58	6.05
30 261.309	5.73	6.05	5.80	5.97	5.48	6.25	5.83	6.08
.323	5.62	6.04	5.82	6.00	5.47	6.18	5.88	6.12
.334	5.67	6.11	5.91	5.90	5.57	6.01	6.01	6.15
.344	5.65	6.11	5.92	5.94	5.62	5.96	5.92	6.16
.374	5.64	6.00	6.07	5.99	5.65	5.81	6.15	6.26
.388	5.78	6.22	6.06	6.09	5.80	5.87	6.01	6.24
.402	5.88	6.22	6.13	6.21	6.03	5.76	6.11	6.25
.417	5.83	6.09	6.24	6.11	5.87	5.83	6.18	6.10
.434	5.89	6.16	6.00	6.29	5.91	5.81	6.27	5.98
33 502.437	5.94	5.96	6.22	6.07	6.11	5.93	5.86	6.02
.484	6.01	5.70	6.17	5.92	6.28	6.06	6.06	6.12
.502	6.04	5.57	6.14	6.05	6.21	6.18	6.15	6.15
.518	6.06	5.70	6.28	6.21	6.47	6.33	6.28	6.11
.532	6.01	5.52	6.24	5.88	6.24	6.16	6.30	6.16
33 858.435	5.74	5.72	6.36	5.55	6.39	5.79	5.98	-
.445	5.50	5.81	6.20	5.56	6.37	5.95	6.00	6.30
.474	5.59	5.93	6.08	5.54	6.28	5.80	6.21	6.29
.486	5.85	5.78	6.41	5.75	6.47	5.69	5.95	6.29
33 861.427	5.84	5.74	5.84	5.55	6.30	5.82	6.27	-
.439	6.14	5.64	6.01	5.62	6.53	5.77	6.23	6.00
.452	6.31	5.63	6.19	5.54	6.35	5.59	6.31	6.03
.464	6.05	5.85	6.19	5.64	6.44	5.70	6.53	6.17
.477	5.91	5.63	6.07	5.64	6.50	5.85	6.14	6.15
.491	6.10	5.58	6.31	5.67	6.46	5.75	6.48	6.16
.503	6.04	5.61	6.12	5.68	6.25	5.74	6.27	6.16
.517	6.14	5.81	6.36	5.80	5.83	5.87	6.30	6.02
.531	6.17	5.80	6.44	5.62	5.65	5.90	6.51	5.91
.546	6.13	5.82	6.45	5.95	5.30	5.91	6.46	5.98
.562	6.06	5.82	6.20	6.07	-	5.90	-	-

Table II. cont.

J.D. 24 00 000+	V9	V10	V11	V12	V13	V14	V15	V17
				m-10				
33 865.378	5.94	5.51	6.15	6.11	6.42	6.28	5.74	5.76
.392	5.50	5.71	5.75	6.27	6.24	6.27	5.53	5.79
.405	5.56	5.67	5.67	6.11	6.40	6.21	5.75	5.59
.418	5.35	5.97	5.73	6.31	6.53	6.45	5.92	5.58
.430	5.33	5.95	5.63	6.27	6.55	6.36	5.82	5.60
.442	5.24	5.79	5.55	6.21	6.25	6.37	5.92	5.72
.456	5.32	5.98	5.58	6.02	6.20	6.12	5.95	5.76
.468	5.25	6.04	5.60	5.84	6.35	6.56	6.12	5.78
.563	5.63	6.18	6.01	5.56	5.52	6.19	6.26	5.80
.575	5.78	6.06	6.13	5.36	5.26	6.04	6.23	5.88
33 871.454	5.80	5.85	6.02	5.50	5.78	5.74	6.59	5.72
.483	5.84	5.92	6.21	5.53	6.00	5.95	6.56	5.80
.496	5.90	5.63	6.45	5.45	6.03	6.04	6.20	5.89
.507	5.83	5.61	6.15	5.43	6.07	6.09	6.53	5.78
.518	6.14	5.59	6.34	5.53	5.85	6.05	6.68	5.90
.542	6.20	5.70	6.08	5.57	-	6.40	6.40	5.94
.555	6.01	-	5.92	5.66	6.17	6.40	6.54	5.82
.570	6.08	5.81	5.96	5.75	6.31	6.40	-	5.89
.584	6.02	5.67	5.61	5.78	6.03	6.12	6.33	5.94
33 872.446	6.10	5.98	-	6.19	-	6.12	5.91	5.96
.452	-	5.84	-	-	5.69	6.08	6.05	5.98
.487	-	-	-	-	5.21	5.94	6.10	6.10
.500	5.96	-	6.10	6.02	5.40	5.74	6.16	6.12
.519	6.03	6.01	6.40	6.14	5.36	5.68	6.24	6.15
.533	5.85	6.36	6.31	6.13	5.61	5.83	6.29	6.16
.546	5.59	6.12	6.16	6.17	5.54	5.74	6.26	6.18
.560	5.59	6.24	6.16	6.22	5.67	5.81	6.11	6.18
.573	5.44	6.18	6.06	5.88	5.73	5.81	6.17	6.16
.586	5.31	6.18	5.91	5.95	5.64	5.67	-	6.22
.599	5.21	5.97	5.79	5.62	5.87	5.85	6.24	6.22
33 881.401	5.79	6.21	-	6.00	6.19	6.00	-	5.45
.413	5.83	6.14	6.31	6.00	6.48	6.02	-	5.60
.425	5.90	-	-	-	-	6.17	-	5.70
.439	-	-	6.16	6.06	6.12	6.10	-	5.79
.451	5.92	5.95	6.00	5.97	6.12	6.15	-	5.72
.470	6.05	-	6.18	6.04	-	6.28	6.35	5.88
.483	5.96	6.30	6.32	5.97	6.20	6.35	6.61	5.85
33 884.395	6.01	5.82	5.76	6.26	6.38	5.70	6.39	5.62
.408	5.95	5.93	5.91	5.99	5.92	5.73	6.51	5.75
.436	5.99	6.12	5.96	6.19	6.05	5.88	6.44	5.78
.450	5.99	6.12	6.00	5.88	6.32	5.99	6.16	5.89
.464	6.16	6.27	6.05	5.58	6.33	6.24	6.45	5.86
.478	5.98	6.21	6.12	5.54	6.24	6.18	-	5.90
.495	5.98	6.38	6.33	5.58	6.34	6.05	6.31	5.90
.521	6.15	6.08	6.34	5.40	5.84	6.17	5.73	5.96
.539	6.28	6.20	6.26	5.51	5.51	6.01	5.65	6.03
.558	6.05	6.10	6.25	5.44	5.27	6.09	5.36	6.00
.574	6.02	6.24	6.44	5.68	5.43	6.42	5.42	-
.594	6.20	6.01	6.06	5.69	5.26	6.39	5.28	6.08
33 887.457	-	5.99	5.81	5.54	5.49	5.93	5.52	5.62

Table II. cont

J.D. 24 00 000+	V9	V10	V11	M-10 V12	V13	V14	V15	V17
33 887.478	6.07	5.99	5.93	-	5.68	5.82	5.42	5.76
.498	6.33	5.84	6.07	5.66	5.65	5.92	5.28	5.98
.511	-	5.89	5.96	5.58	5.79	5.84	5.46	6.02
.524	-	5.96	5.87	5.50	5.68	5.84	5.53	6.08
33 888.400	5.56	-	5.76	-	-	6.20	-	5.96
.412	5.58	6.03	5.64	5.95	-	-	-	6.08
.425	5.67	-	5.60	5.83	-	-	-	6.07
.437	5.71	-	5.49	-	-	-	-	6.12
.461	5.36	5.81	5.70	-	-	-	-	6.14
.474	-	5.85	5.52	5.99	5.99	6.04	-	6.29
.485	5.65	5.86	-	6.04	-	-	-	6.30
33 889.454	5.73	5.97	-	6.00	-	6.20	-	5.36
.472	5.74	6.04	5.50	5.77	-	-	6.04	5.40
.488	5.81	5.93	5.60	5.91	6.63	6.41	-	5.37
.497	-	-	-	-	-	-	-	5.33
.512	-	-	5.71	5.98	-	6.27	-	5.40
33 894.380	5.72	5.62	5.91	6.01	5.60	5.77	-	6.20
.393	-	5.86	5.92	5.92	5.70	6.02	-	6.31
.408	5.97	-	6.22	-	5.62	6.35	6.22	6.08
.420	-	-	-	-	5.75	6.00	-	-
.439	-	5.95	6.09	5.99	5.76	5.90	5.90	6.20
33 895.443	-	5.80	-	5.91	5.71	5.86	-	5.94
.457	5.48	5.64	6.33	6.24	5.44	5.76	6.13	-
.468	5.52	5.68	6.38	6.16	5.39	5.92	-	-
.487	5.21	5.69	6.16	6.11	5.16	5.98	-	5.90
.498	5.36	5.69	-	-	5.31	5.81	-	5.68
.514	5.37	-	6.06	6.18	5.45	5.79	-	5.94
.526	5.41	-	-	6.11	5.68	6.00	-	5.80
.541	5.47	5.81	6.02	5.95	5.71	5.72	-	5.50
34 238.526	6.07	6.10	5.87	5.48	6.80	-	6.51	6.06
.539	6.10	5.81	5.39	5.37	6.23	5.96	6.43	5.85
.553	5.88	5.57	-	5.30	6.16	5.81	6.48	6.04
.565	5.75	5.91	5.51	5.63	-	5.90	-	6.12
.580	-	5.85	5.57	5.57	-	6.01	-	6.00
34 241.435	6.18	6.01	6.18	-	6.41	6.25	-	6.30
.450	6.11	6.14	6.18	5.47	6.02	6.33	-	6.27
.463	5.87	6.07	6.21	5.43	-	6.07	6.35	6.31
.479	5.90	6.10	6.02	5.23	6.12	5.75	-	6.32
.492	-	-	-	5.40	6.08	5.81	-	6.31
34 253.410	6.07	-	5.86	5.58	-	5.92	5.92	-
.446	6.08	5.92	5.88	5.65	-	5.58	5.88	-
34 254.449	5.92	5.66	5.56	5.94	6.00	5.97	6.19	5.41
.467	6.20	5.70	5.90	5.94	6.03	5.85	6.07	5.52
.484	5.89	5.75	6.18	5.78	6.29	6.02	5.81	5.35
.505	5.87	5.92	-	5.50	6.74	5.55	5.31	5.39
.525	5.50	-	5.93	5.11	5.91	5.90	5.45	5.51
34 270.492	5.72	6.18	5.51	5.96	6.08	6.30	-	5.66
.514	5.73	6.04	5.34	5.40	5.90	5.90	5.96	5.90
34 573.459	-	-	-	5.60	5.78	5.75	-	6.04
.473	-	-	-	5.56	5.84	5.70	-	6.00

Table II. cont.

J.D. 24 00 000+	V9	V10	V11	V12	V13	V14	V15	V17
34 606.527	5.35	-	5.63	-	-	-	5.88	6.08
.541	5.34	-	5.54	-	-	-	6.27	6.12
.556	5.74	-	-	-	-	-	6.09	5.90
.571	5.43	5.86	5.69	6.00	-	-	-	5.75
.586	5.61	5.96	5.67	-	-	-	-	5.69
34 945.407	5.51	5.82	5.94	6.20	5.85	-	6.20	5.88
.424	-	-	-	-	5.70	-	5.67	5.87
34 949.463	-	5.96	5.62	5.62	5.75	5.87	-	5.87
35 371.410	5.62	6.08	-	5.62	5.60	5.83	6.44	5.84
.423	5.90	6.22	5.78	5.47	5.70	5.85	5.78	5.87
.436	5.97	6.05	6.00	5.44	5.60	5.88	5.30	5.94
.455	6.15	6.02	-	5.44	5.62	5.64	5.00	5.82
35 720.298	5.20	5.99	-	5.81	5.74	5.94	6.18	-
.315	5.64	-	6.30	5.92	5.53	5.85	6.58	-
.328	5.74	6.07	6.16	5.95	5.28	6.11	6.70	6.19
.344	5.77	6.05	5.77	6.10	5.36	6.00	-	5.89
.356	5.63	5.97	5.50	5.99	5.44	5.97	6.31	6.09
.369	5.65	5.82	5.62	6.14	5.58	6.32	-	5.61
.381	5.68	5.70	5.60	6.15	5.54	6.10	6.24	5.56
.394	5.40	5.82	5.48	6.04	5.54	5.90	6.00	5.64
35 725.327	5.72	6.27	5.88	5.94	6.14	6.36	6.36	5.87
.377	5.62	5.80	6.06	5.60	6.26	6.24	6.26	6.19
.419	5.76	5.66	6.26	5.32	6.26	6.26	6.58	6.01
.432	5.72	5.80	6.31	5.34	6.32	6.45	6.60	6.04
.445	5.80	5.66	6.20	5.46	6.28	6.32	6.68	6.00
.457	5.88	5.63	6.10	5.66	6.20	6.37	6.78	5.97
.495	5.77	5.57	5.62	5.53	5.34	6.26	-	6.12
.507	5.92	5.54	5.52	5.60	5.20	6.27	6.50	5.94
.519	5.86	5.60	5.52	5.60	5.22	6.12	6.30	5.99
.531	6.06	5.84	5.40	5.70	5.32	6.10	6.32	5.60
36 068.496	5.32	6.00	5.78	6.24	6.30	6.52	6.36	6.18
.514	5.22	-	5.68	6.14	6.16	6.40	6.58	6.18
.528	5.10	5.66	5.60	6.06	6.22	6.36	6.54	6.14
.543	5.00	5.40	5.67	-	5.97	6.22	6.69	6.03
36 073.380	5.75	5.92	5.72	5.64	5.40	6.21	6.47	5.91
.393	5.87	5.90	5.95	5.58	5.62	6.22	6.50	5.66
.406	5.81	6.04	5.94	5.79	5.60	6.30	6.60	5.84
.419	6.10	6.24	6.12	5.42	5.70	6.36	6.38	5.73
.432	5.78	6.44	6.01	5.26	5.72	6.30	6.01	5.86
.446	6.02	6.16	6.18	5.40	5.65	6.46	5.72	5.82
.459	5.88	6.21	6.31	5.34	5.80	6.24	5.40	5.86
.473	5.68	6.02	6.04	5.50	5.77	6.42	5.47	5.91
.486	5.36	6.03	6.15	5.50	5.90	6.44	5.44	5.84
.500	5.40	5.99	6.23	5.52	5.83	6.38	5.44	5.73
36 074.381	5.36	5.46	5.70	6.01	6.01	5.96	6.48	5.62
.394	5.15	5.41	5.60	6.12	6.04	5.80	6.80	5.55
.406	5.50	5.70	5.90	6.14	6.46	5.80	6.45	5.67
.420	5.56	5.58	6.20	6.08	6.37	5.90	6.54	5.69
.434	5.74	5.78	6.13	5.97	6.21	5.94	6.62	5.70
.447	5.60	5.71	6.04	6.04	5.95	5.95	6.42	5.82

Table II. cont.

J.D. 24 00 000+	V9	V10	V11	V12	V13	V14	V15	V17
36 074.460	5.55	5.65	6.06	5.92	5.61	6.03	6.54	5.90
.473	5.74	5.89	6.08	5.89	5.37	6.10	6.39	5.82
.486	5.74	5.88	6.20	5.90	5.41	6.14	6.48	5.88
.500	5.71	5.99	6.30	6.11	5.38	6.38	6.59	5.94
.513	5.80	6.12	6.18	6.18	5.30	6.18	6.40	5.92
.526	5.60	6.07	6.20	5.99	5.40	6.29	6.37	6.00
38 259.416	5.34	5.58	5.92	5.24	6.20	5.86	5.08	5.82
.473	5.24	5.60	5.44	5.60	6.16	5.92	5.60	-
.493	5.40	5.54	5.36	5.58	6.00	5.76	5.68	5.86
38 268.472	-	5.80	5.66	5.76	5.18	6.44	6.30	5.52
.487	6.12	5.86	5.80	5.90	5.40	6.32	6.34	5.51
.502	5.82	6.00	5.73	5.72	5.44	6.24	6.64	5.46
.518	5.95	5.90	5.85	5.88	5.40	6.23	6.65	5.70
.531	5.98	5.95	5.84	5.84	5.60	6.41	6.58	5.49
.544	5.70	5.88	5.91	5.70	5.70	6.20	6.40	5.51
.558	5.62	6.05	5.98	5.84	5.60	6.06	6.68	5.54
.572	5.86	5.88	5.96	6.06	5.82	5.98	6.66	5.68
.586	6.28	5.92	6.28	6.12	5.84	5.91	6.72	5.90
.601	6.05	5.93	6.02	5.96	5.70	5.81	6.60	5.88
38 289.280	5.78	5.62	5.84	5.78	5.66	5.62	5.92	6.02
.304	5.94	5.70	5.50	6.00	6.00	5.98	5.95	6.00
.325	6.01	5.78	5.49	5.88	6.14	5.88	5.92	5.91
.346	6.28	5.92	5.51	6.10	6.03	6.04	6.15	5.99
.373	5.72	5.82	5.59	6.00	6.00	5.98	6.23	6.03
.402	5.77	6.00	5.78	5.96	6.10	6.12	6.32	5.97
.420	5.76	5.98	5.86	6.08	6.28	6.24	6.32	5.89
.466	5.08	6.18	5.96	6.20	6.31	6.31	6.24	5.83
.482	5.10	6.10	5.91	6.10	5.91	6.22	6.65	5.86
.506	5.04	5.74	6.00	5.90	6.15	6.28	6.18	5.70
.522	5.06	5.90	6.08	6.05	6.20	6.20	6.40	5.72
.547	-	5.52	6.21	6.33	6.13	6.26	-	5.89
.560	5.30	5.46	-	5.85	6.00	6.16	6.20	5.80
.574	5.40	5.56	6.10	5.80	6.03	5.80	-	5.82
39 350.467	5.32	-	6.15	5.94	5.38	5.94	6.68	5.92
.483	5.76	5.95	6.05	5.83	5.30	5.69	6.29	6.02
.496	5.91	6.01	6.36	5.89	5.38	5.68	6.67	5.82
.522	5.76	5.83	6.07	5.82	5.67	5.78	6.58	5.79
.535	5.73	-	6.06	6.25	5.64	6.04	6.64	5.83
39 351.498	5.67	5.72	6.27	5.42	6.19	6.36	6.52	5.75
.512	5.90	5.91	6.42	5.63	6.50	6.28	6.35	5.77
.524	5.75	5.90	6.17	5.67	6.03	6.22	-	5.79
.536	6.35	5.95	6.14	5.59	6.47	6.24	-	5.79
39 355.445	5.28	6.14	5.58	6.10	6.40	5.78	5.89	5.76
.460	5.76	6.04	5.62	6.41	6.20	5.79	6.30	5.87
.474	5.70	6.25	5.93	6.07	6.28	5.81	6.34	5.87
.490	6.02	6.18	5.80	5.85	6.10	5.93	6.46	5.84
.504	5.58	-	5.86	5.92	6.65	-	6.46	5.95
.520	5.82	6.15	5.85	5.90	-	5.88	6.28	6.02
.533	5.88	6.27	6.04	5.92	6.50	-	-	-

Table II. cont.

J.D. 24 00 000+	V18	V19	V20	V22	V23	V24	V25	V26
28 752.540	5.55	-	6.08	6.27	5.54	5.96	5.70	-
28 754.394	-	6.34	5.55	5.40	5.56	-	-	-
.436	6.22	5.29	-	5.80	5.49	6.20	-	-
.485	5.97	5.24	-	5.87	5.71	-	5.70	-
.502	-	5.49	5.90	5.69	5.75	5.70	-	-
.521	-	5.43	5.61	5.78	5.54	5.59	5.36	-
28 758.463	5.91	5.16	-	-	-	-	5.99	-
.485	5.90	5.24	-	-	-	6.04	-	-
28 760.406	-	-	-	5.90	-	5.83	-	-
.443	-	-	-	-	-	5.59	-	-
28 774.392	5.94	-	6.10	-	-	6.28	-	6.00
28 775.379	6.16	6.48	5.61	5.82	5.71	5.73	6.36	6.30
.396	5.95	-	5.50	5.96	5.60	5.91	6.20	6.40
.411	6.01	-	5.58	5.89	5.80	5.94	6.13	6.41
.426	6.16	6.31	5.86	6.01	5.81	5.97	6.17	6.28
.440	6.11	-	5.90	-	6.10	6.25	6.62	-
.456	6.04	6.31	5.79	6.00	5.79	5.92	6.48	6.25
.471	6.13	6.67	5.69	6.13	6.15	6.01	6.27	6.45
28 776.367	5.60	6.00	5.91	6.17	6.44	5.40	-	5.96
.383	5.48	5.90	-	6.33	-	5.66	-	6.00
.397	5.66	6.13	6.00	6.31	6.31	5.51	-	5.90
.411	5.72	6.12	-	6.12	-	-	-	5.74
.427	5.68	6.26	5.88	6.53	6.22	5.53	6.00	5.77
.442	5.70	6.48	-	6.50	6.29	5.67	5.96	5.89
.456	5.82	-	-	-	6.45	5.80	5.64	5.80
.474	5.90	6.30	-	6.08	6.53	5.70	5.50	5.90
28 779.392	5.80	6.38	5.10	6.38	6.19	5.69	6.19	6.12
.411	5.80	6.64	5.30	6.40	6.44	5.70	6.06	6.40
.437	5.96	6.65	5.33	6.26	6.41	5.69	6.26	6.38
28 780.376	5.57	6.20	5.88	5.77	5.47	5.59	6.52	6.21
.396	5.32	6.11	5.66	5.71	5.32	5.63	6.53	6.02
.422	5.58	6.11	5.83	5.95	5.54	5.47	5.97	5.88
28 783.406	5.50	6.34	-	6.21	6.44	5.36	6.32	6.21
.429	5.65	6.53	5.85	6.33	6.38	5.74	6.34	6.30
.449	5.67	6.55	5.83	6.20	6.36	5.55	6.40	6.23
28 837.251	6.06	-	5.19	5.75	5.92	5.82	5.97	5.94
.265	6.22	6.30	5.34	5.96	5.90	6.03	6.10	6.03
.279	-	-	5.30	5.76	5.57	-	6.20	-
.293	6.02	6.20	5.25	5.77	5.55	5.73	6.20	5.98
.307	6.04	6.40	5.51	5.76	5.64	5.62	6.36	6.04
.325	6.00	6.62	5.31	5.99	5.60	5.47	6.51	6.06
29 107.517	6.00	6.49	5.81	6.30	5.71	5.90	6.60	6.00
.531	6.02	6.32	5.41	6.46	5.77	5.58	6.67	-
.544	6.03	5.85	5.40	6.00	5.55	5.60	6.56	6.07
.558	6.00	5.70	5.55	6.02	5.60	5.62	6.46	6.11
.570	6.23	5.48	5.32	6.16	-	5.32	6.52	6.02
29 108.470	5.50	6.50	5.26	6.16	6.27	-	5.60	6.56
.485	5.54	6.62	5.54	6.36	6.46	5.84	5.40	6.51
.500	5.68	6.27	5.41	6.30	6.21	5.74	5.55	6.37
.515	5.63	-	5.67	-	6.33	5.96	5.55	-

Table II. cont.

J.D. 24 00 000+	V18	V19	V20	V22	V23	V24	V25	V26
29 108.530	5.83	6.30	-	6.24	6.27	5.87	5.79	6.32
.544	5.72	-	5.71	5.97	6.32	5.84	5.58	6.32
.558	5.81	-	5.81	6.14	6.11	-	5.80	6.15
29 109.474	5.95	6.03	6.00	5.75	5.75	5.31	6.18	5.90
.488	5.64	6.10	5.85	5.70	5.86	5.48	6.29	5.70
.500	5.62	6.08	5.94	5.72	5.78	5.62	6.38	5.70
.513	5.65	6.18	5.85	5.80	6.02	5.50	6.36	5.83
.526	5.43	6.25	5.86	5.79	5.82	5.60	6.15	5.75
.540	5.49	6.47	5.85	5.90	5.85	5.77	6.62	6.01
.553	5.52	6.29	6.00	6.10	6.10	5.62	6.56	5.88
29 110.435	5.86	5.14	5.09	6.27	6.20	5.86	-	6.20
.449	6.01	5.15	-	6.29	-	-	5.95	-
29 113.423	-	5.76	5.62	6.22	6.07	6.00	6.32	6.28
.440	6.04	5.72	5.41	6.06	6.19	5.89	6.19	6.32
.454	-	5.96	5.70	-	-	-	-	5.98
.467	-	5.96	5.52	-	-	-	-	5.91
.482	6.00	5.98	-	6.17	-	5.53	6.32	5.91
.496	-	5.94	5.70	-	-	5.42	-	5.90
.510	-	-	-	-	-	5.57	-	-
29 114.423	5.85	5.42	-	5.42	5.79	5.91	6.03	-
.438	5.90	5.15	6.07	5.47	5.66	5.78	5.78	6.02
.452	5.95	4.98	-	5.33	5.60	5.86	5.50	6.03
29 130.385	6.17	6.22	-	5.86	5.89	-	6.04	5.78
29 131.347	5.52	6.50	-	6.30	6.30	-	-	6.24
.379	5.67	6.41	-	6.30	6.22	5.32	6.20	6.22
.393	5.90	6.36	5.10	6.25	6.12	5.68	6.12	6.14
.408	5.84	6.30	-	6.43	6.44	-	6.43	6.47
.449	5.97	6.53	-	6.24	6.21	-	6.47	6.53
.463	5.96	-	5.14	6.38	6.08	-	6.30	6.30
.476	5.75	6.55	-	6.52	5.96	-	6.57	6.48
.491	5.74	6.29	-	6.29	5.68	-	6.52	6.29
.505	5.86	6.36	-	6.35	5.78	-	6.40	6.35
29 132.371	5.48	6.11	5.80	5.33	6.13	5.37	6.39	5.91
.385	5.50	6.05	5.79	5.20	6.07	5.45	5.90	5.81
.398	5.50	6.09	5.55	5.28	6.18	5.28	5.74	5.93
.411	5.42	6.10	-	5.31	6.08	5.06	5.62	5.92
.424	5.61	6.22	5.55	5.43	6.18	5.23	5.58	5.93
.434	-	-	-	5.21	-	5.46	5.41	-
29 138.441	6.00	6.43	5.36	6.20	5.70	5.59	5.56	5.93
.458	6.06	5.97	5.24	6.17	5.60	5.65	5.72	5.83
.471	6.00	5.43	5.47	6.16	5.46	5.80	5.55	5.86
.484	6.04	5.00	5.40	6.37	5.63	5.93	5.66	5.99
.495	6.02	5.00	5.60	6.32	5.60	6.00	5.77	5.90
29 141.362	6.02	4.97	5.73	6.14	6.36	5.58	6.25	5.95
.375	6.14	5.01	5.75	6.21	6.34	5.68	6.15	6.18
.388	5.98	5.05	5.70	6.27	6.47	5.68	6.35	6.20
.403	5.91	5.21	5.73	6.39	6.26	5.75	6.33	6.12
.416	5.91	5.27	5.82	6.21	6.30	5.88	6.38	6.10
.429	6.04	5.37	5.79	6.21	6.26	5.86	6.45	6.33
.444	5.94	5.46	5.83	6.08	6.23	5.74	6.41	6.19

Table II. cont.

J.D. 24 00 000+	V18	V19	V20	V22	V23	V24	V25	V26
29 141.456	5.82	5.59	5.82	6.20	6.17	5.97	6.30	6.36
.469	5.81	5.59	5.88	6.30	6.13	5.90	6.33	6.38
.482	5.63	5.65	5.76	6.39	6.21	6.03	6.37	6.33
.495	5.45	5.65	6.01	6.14	6.21	6.06	6.35	6.24
29 159.356	6.10	6.50	5.60	6.15	5.50	5.50	6.50	5.94
.370	6.02	6.36	5.66	6.14	5.54	5.42	6.36	5.91
.383	6.11	6.40	5.58	6.16	5.48	5.47	6.40	5.95
.396	6.02	6.56	5.62	6.33	5.62	5.45	6.52	5.77
29 160.342	5.65	5.72	6.08	6.36	6.35	6.02	5.70	6.40
.354	5.62	5.75	6.00	6.42	6.38	6.01	5.66	6.44
.367	5.62	5.80	5.86	6.28	6.30	6.10	5.36	6.36
.380	5.74	5.82	5.82	6.24	6.35	5.91	5.37	6.34
.394	5.64	6.16	5.83	6.38	6.41	5.84	5.48	6.47
.409	5.54	5.95	-	5.98	-	5.50	-	6.50
29 161.344	5.53	5.50	5.21	5.79	5.89	5.68	6.30	6.01
.357	5.56	5.26	5.36	5.88	5.82	5.88	6.33	5.90
.372	5.39	5.09	5.43	5.88	5.80	5.80	6.33	5.90
.386	5.51	5.15	5.43	6.01	5.91	5.88	6.42	5.79
.399	5.41	5.10	5.47	6.00	5.94	5.99	6.43	5.85
29 162.325	6.30	6.62	5.73	6.48	6.35	5.54	6.12	6.31
.339	5.90	-	5.81	6.24	6.10	5.14	-	6.10
.352	6.10	6.65	5.90	6.33	6.32	5.49	5.74	6.32
.365	6.03	6.47	5.82	6.12	6.19	5.42	5.59	6.33
.378	5.97	6.33	5.67	6.23	6.15	5.39	5.51	6.33
.392	6.02	6.62	5.81	6.30	6.37	5.49	5.51	6.58
29 166.399	6.10	-	5.57	-	5.54	5.08	-	6.23
29 167.353	5.62	6.13	5.68	6.25	6.27	5.95	6.17	5.92
.366	5.73	6.36	5.65	6.11	6.39	6.00	6.42	5.98
.378	5.84	6.35	5.80	6.18	6.19	5.93	6.35	5.93
.391	5.72	6.48	5.70	6.20	6.21	5.89	6.23	6.01
29 187.274	5.82	5.58	5.44	5.75	5.78	5.88	6.22	6.20
.305	6.13	6.05	5.48	5.90	5.80	-	6.53	6.40
.318	6.20	6.29	5.54	6.04	6.05	5.85	6.32	6.45
.331	-	6.16	5.69	5.80	6.00	5.83	-	-
29 518.315	6.09	6.18	5.64	6.06	6.06	5.69	5.55	6.19
.336	5.87	6.40	-	5.70	6.02	5.26	5.42	6.15
.349	6.00	6.22	5.24	5.59	6.08	5.28	5.50	6.23
.362	5.97	6.26	5.37	5.49	6.18	5.29	5.60	6.31
.375	5.90	6.34	5.37	5.42	6.29	5.30	5.70	6.40
29 519.455	5.86	6.36	-	6.29	5.68	5.10	6.31	5.87
29 520.313	5.51	5.75	5.28	6.15	6.33	5.59	5.45	6.09
.327	5.42	5.81	5.21	6.30	6.52	5.63	5.42	6.34
.339	5.44	5.83	5.21	6.25	6.39	5.63	5.44	6.27
.352	5.51	5.95	5.27	6.33	6.32	5.63	5.46	6.22
.363	5.55	6.01	5.28	6.23	6.28	5.68	5.54	6.39
.376	5.54	6.01	5.33	6.31	6.36	5.74	5.55	6.35
29 546.266	6.01	6.43	5.47	6.27	6.27	5.74	5.39	6.04
.279	6.14	6.43	5.54	6.23	6.38	5.83	5.49	6.09
29 870.406	5.60	-	-	-	6.08	-	-	-
29 877.369	5.47	5.08	5.72	-	6.10	5.52	6.37	-

Table II. cont.

J.D. 24 00 000+	V18	V19	V20	V22	V23	V24	V25	V26
29 877.381	5.56	5.14	5.73	6.11	6.32	5.55	6.36	5.75
.394	5.57	5.24	5.70	6.11	6.38	5.61	6.25	6.03
.453	5.63	5.64	5.62	6.12	5.74	5.74	6.26	5.98
.481	5.85	5.91	5.91	6.20	5.65	6.09	6.60	6.06
.499	5.88	5.85	5.78	6.37	5.75	6.09	6.48	6.14
29 879.309	5.74	6.26	5.47	5.87	6.20	5.80	6.43	6.16
.321	5.87	6.47	5.52	5.87	5.79	5.82	6.43	5.97
.339	5.67	6.26	5.41	5.86	5.69	5.90	6.31	6.03
.372	5.89	6.48	5.43	5.77	5.71	5.93	6.40	5.88
.422	6.12	6.54	5.70	6.00	5.67	5.91	6.47	5.99
.435	5.78	6.25	5.46	6.07	5.77	5.72	-	-
.449	6.13	6.52	5.82	6.14	5.89	5.90	6.51	5.93
30 259.319	6.01	6.33	5.57	6.21	6.36	5.50	6.38	6.35
.330	5.94	6.41	-	6.04	6.49	5.42	6.24	6.34
.340	6.06	6.42	5.71	5.80	6.43	5.63	6.31	6.32
30 260.340	5.88	5.91	5.39	5.93	5.64	5.26	5.98	5.82
.354	5.79	5.94	5.28	6.03	5.71	5.25	6.03	5.94
.372	5.97	6.07	5.07	5.94	5.97	5.24	6.22	5.95
.387	5.93	6.13	4.90	6.03	5.97	5.26	6.20	6.03
.406	5.94	6.15	5.04	6.07	6.04	5.47	6.24	5.97
.427	5.95	6.21	5.07	6.14	6.09	5.50	6.14	6.07
30 261.309	5.45	5.51	5.43	6.17	6.37	5.97	6.36	6.26
.323	5.46	5.26	5.41	6.22	6.43	5.79	6.44	6.34
.334	5.45	5.23	5.57	6.12	6.34	5.81	6.36	6.31
.344	5.48	5.20	5.60	6.15	6.29	5.71	6.32	6.24
.374	5.52	5.09	5.65	6.17	6.25	5.55	6.49	6.45
.388	5.74	5.31	5.65	6.20	6.44	5.64	6.57	6.42
.402	5.82	5.42	5.76	6.17	6.28	5.42	6.40	6.36
.417	5.71	5.55	5.81	6.38	6.30	5.50	6.39	6.11
.434	5.91	5.57	5.82	6.25	6.32	5.37	6.24	6.24
33 502.437	6.06	5.62	5.61	5.90	6.06	5.77	5.83	6.25
.484	5.75	5.88	5.70	6.01	6.31	5.54	5.90	6.28
.502	5.64	5.96	5.78	5.95	6.17	5.57	5.97	6.24
.518	5.53	6.25	6.10	6.15	6.31	5.56	6.19	6.09
.532	5.49	6.16	5.83	6.03	6.37	5.32	6.09	5.98
33 858.435	6.05	6.15	5.97	6.23	5.73	5.97	6.10	6.49
.445	5.79	6.01	5.96	6.21	5.67	6.08	6.03	6.52
.474	5.50	5.89	5.75	6.26	5.75	5.84	6.08	6.09
.486	5.76	6.35	5.95	6.17	5.86	6.12	6.24	-
33 861.427	5.53	6.15	5.86	6.38	6.11	5.99	6.32	5.97
.439	5.40	6.53	6.05	6.24	6.17	5.94	6.47	5.85
.452	5.58	6.47	6.13	6.45	6.21	5.90	6.41	5.79
.464	5.53	6.58	6.22	6.52	6.08	5.78	6.49	5.85
.477	5.49	6.32	6.15	6.61	6.32	5.57	6.59	6.01
.491	5.55	6.60	5.73	-	6.08	5.48	6.50	5.79
.503	5.60	-	5.80	6.17	6.04	5.35	6.22	5.98
.517	5.80	6.48	5.72	6.20	5.83	5.50	6.36	6.05
.531	5.78	6.28	5.41	6.08	5.65	5.52	6.10	5.75
.546	5.85	6.34	5.46	5.95	5.67	5.52	5.78	5.83
.562	6.07	6.40	5.51	6.05	5.72	5.70	5.90	6.10

Table II. cont.

J.D. 24 00 000+	V18	V19	V20	V22	V23	V24	V25	V26
33 865.378	6.07	6.20	5.85	5.96	5.77	5.99	6.30	-
.392	6.21	6.13	5.89	6.01	5.73	6.06	6.26	5.91
.405	6.00	6.37	5.82	6.14	5.72	6.08	6.38	5.95
.418	6.13	6.28	5.98	6.06	5.82	6.12	6.58	5.93
.430	6.10	6.43	5.79	6.18	5.92	6.09	6.64	6.00
.442	5.73	6.56	5.88	5.97	5.80	5.84	6.53	5.75
.456	5.61	6.49	5.74	6.03	5.80	6.09	6.28	5.87
.468	5.65	6.41	5.85	5.98	5.85	5.79	6.64	5.89
.563	5.56	6.33	5.90	5.92	5.99	5.40	5.54	6.03
.575	5.74	6.53	5.82	6.20	6.24	5.52	5.41	5.92
33 871.454	5.64	5.09	5.39	6.06	6.25	5.63	6.32	5.83
.483	5.72	5.07	5.46	6.31	6.29	5.49	6.55	6.03
.496	5.77	5.08	5.50	6.23	6.32	5.35	6.45	5.75
.507	5.75	5.13	5.40	6.10	6.32	5.38	6.17	5.82
.518	6.08	5.22	5.71	6.25	6.20	5.39	5.95	5.98
.542	5.96	5.46	5.83	6.31	6.17	5.60	5.79	5.93
.555	6.19	5.72	5.68	6.43	6.26	5.61	5.47	6.08
.570	6.25	5.71	5.81	6.37	6.42	5.52	5.61	5.95
.584	5.99	5.80	5.75	6.42	6.47	5.66	5.49	6.09
33 872.446	5.72	-	-	5.36	5.98	-	6.06	6.06
.452	5.69	-	-	5.42	5.90	5.93	6.05	6.17
.487	5.53	-	-	5.63	-	5.90	6.24	6.23
.500	5.53	-	5.86	5.65	6.11	6.05	6.09	6.30
.519	5.53	6.53	5.91	5.73	5.96	5.92	6.35	6.25
.533	5.67	-	5.74	5.74	6.14	6.00	6.40	6.21
.546	5.73	6.01	5.92	5.64	6.05	5.64	6.09	-
.560	5.67	6.09	6.06	5.92	6.11	5.77	6.39	6.35
.573	5.76	5.78	5.99	5.98	6.23	5.72	-	-
.586	5.73	5.34	5.91	5.63	6.03	5.69	-	6.15
.599	5.78	4.89	5.94	-	-	5.54	-	6.26
33 881.401	5.85	6.25	5.74	6.12	6.43	6.08	6.50	-
.413	5.68	-	-	6.07	6.07	5.72	6.26	6.13
.425	5.72	6.22	5.93	6.16	6.17	-	-	-
.439	5.82	-	-	-	-	5.39	-	-
.451	5.90	6.18	5.75	6.11	6.05	5.47	-	5.99
.470	6.06	6.42	6.09	6.17	6.19	5.48	6.07	5.94
.483	5.95	6.56	5.88	6.17	6.51	5.55	6.50	6.01
33 884.395	6.10	6.23	5.94	6.06	5.68	5.65	6.06	6.04
.408	6.05	6.33	5.77	6.22	5.69	5.65	6.03	5.97
.436	5.99	6.28	6.00	6.28	5.84	5.48	6.09	5.85
.450	6.12	6.32	6.04	6.22	5.71	5.41	6.16	6.12
.464	6.03	6.37	5.90	6.33	5.84	5.60	6.22	6.15
.478	6.08	6.27	6.16	6.28	5.73	5.60	6.22	5.98
.495	5.98	6.44	5.92	6.37	6.10	5.67	6.48	6.02
.521	5.97	6.22	5.44	6.10	6.03	5.66	6.28	6.12
.539	6.00	6.11	5.56	6.26	6.20	5.62	6.39	6.25
.558	5.83	5.73	5.34	6.19	6.16	5.80	6.18	6.42
.574	5.83	5.43	5.18	6.55	6.30	5.89	6.42	6.32
.594	5.75	5.23	5.31	6.18	6.43	6.01	6.28	6.28
33 887.457	-	5.09	5.48	6.10	5.52	5.69	-	-

Table II. cont.

J.D. 24 00 000+	V18	V19	V20	V22	V23	V24	V25	V26
33 887.478	6.10	5.33	-	6.03	5.43	-	6.15	6.10
.498	5.79	5.37	-	5.36	5.40	5.63	5.84	6.23
.511	5.58	5.40	5.56	5.38	5.48	5.73	5.70	6.01
.524	5.64	5.49	5.47	5.20	5.47	5.71	5.60	5.84
33 888.400	5.92	6.28	5.79	5.56	-	6.07	-	5.81
.412	5.70	-	-	5.73	5.95	5.81	5.92	5.66
.425	5.84	-	5.76	5.63	5.99	5.83	-	5.69
.437	-	-	-	6.11	6.35	-	-	6.03
.461	5.85	-	5.78	5.82	-	5.59	-	5.82
.474	5.85	-	5.72	5.92	6.10	5.68	-	5.75
.485	6.05	-	-	-	-	5.52	-	-
33 889.454	5.63	6.11	4.83	-	5.61	-	-	-
.472	5.70	6.10	4.99	-	5.69	-	5.84	6.06
.488	5.63	6.43	5.22	6.32	5.81	5.93	6.14	6.17
.497	-	-	-	-	-	-	-	-
.512	5.88	-	-	6.05	5.90	-	5.86	6.22
33 894.380	6.08	5.33	5.40	-	6.27	5.57	5.91	5.92
.393	-	5.40	5.33	6.12	-	5.52	6.15	5.84
.408	-	5.50	5.27	6.30	6.03	5.32	6.12	5.82
.420	-	5.58	5.58	-	5.83	5.53	-	5.93
.439	6.09	5.76	5.33	-	-	5.51	-	-
33 895.443	5.99	6.00	5.81	5.24	6.20	6.04	6.44	6.21
.457	6.13	5.65	5.78	5.08	-	5.76	5.88	6.30
.468	6.32	5.52	5.90	5.27	-	5.85	5.99	6.40
.487	6.10	5.19	6.07	5.27	-	5.50	5.58	-
.498	6.00	5.15	6.07	5.32	-	5.50	5.53	-
.514	6.10	5.11	-	5.43	6.16	5.41	5.59	6.09
.526	6.10	5.19	6.17	5.50	6.25	5.54	5.55	6.15
.541	-	5.35	-	5.53	-	5.55	5.60	5.90
34 238.526	6.00	6.34	6.30	6.03	6.51	6.00	6.46	6.39
.539	5.96	6.11	6.06	5.96	6.32	5.73	6.39	6.20
.553	5.88	6.16	5.49	6.00	-	5.52	6.25	-
.565	-	6.20	5.90	6.16	6.16	5.65	6.30	6.40
.580	6.08	6.40	5.31	6.24	6.37	5.48	6.32	6.24
34 241.435	5.90	6.40	5.29	6.29	6.24	-	6.06	6.33
.450	6.04	-	5.20	6.06	6.11	5.85	5.59	6.11
.463	6.09	6.30	5.34	-	6.14	6.00	5.78	6.25
.479	5.80	-	5.14	6.26	6.30	5.93	5.64	6.12
.492	5.93	-	5.31	5.93	-	5.64	5.54	-
34 253.410	5.73	-	-	5.29	6.10	-	-	-
.446	5.61	-	-	5.43	6.18	-	5.57	-
34 254.449	5.92	5.77	5.72	6.23	5.48	5.48	-	5.74
.467	6.03	5.96	5.84	6.44	5.46	5.43	6.07	5.76
.484	5.97	-	5.97	6.32	5.36	5.65	6.69	5.97
.505	5.78	6.17	5.87	6.40	5.68	5.40	6.36	6.00
.525	5.90	6.18	-	6.20	5.52	5.26	-	5.80
34 270.492	5.83	5.90	5.74	6.26	6.11	5.57	6.62	6.10
.514	5.83	5.84	-	-	6.01	5.47	-	5.90
34 573.459	5.70	6.35	5.63	-	5.77	-	5.75	5.75
.473	5.72	-	-	6.15	5.78	-	5.50	5.75

Table II. cont.

J.D. 24 00 000+	V18	V19	V20	V22	V23	V24	V25	V26
34 606.527	5.53	-	-	5.95	-	5.62	-	5.96
.541	5.60	-	-	-	6.10	5.60	-	6.07
.556	-	-	6.25	-	-	5.87	-	-
.571	5.77	-	5.57	-	-	5.75	6.09	-
.586	5.75	-	5.43	6.05	6.16	5.73	-	6.07
34 945.407	5.90	6.60	5.20	5.85	5.66	-	5.49	-
.424	6.05	-	-	5.81	5.72	-	5.34	-
34 949.463	6.03	-	5.80	6.01	6.14	-	5.62	-
35 371.410	5.50	5.99	5.76	6.16	6.15	5.70	5.96	6.38
.423	5.52	5.62	5.64	6.31	6.10	5.70	6.17	-
.436	5.58	5.36	5.81	6.16	5.99	5.72	6.16	-
.455	5.81	5.27	5.55	-	6.04	5.94	6.07	-
35 720.298	-	6.10	-	6.04	6.06	5.26	6.23	-
.315	5.64	6.18	5.42	5.92	6.17	-	6.22	5.78
.328	5.50	6.31	5.24	6.13	6.13	5.60	6.16	5.91
.344	5.52	6.38	5.16	5.93	6.29	5.30	6.30	5.71
.356	5.50	6.12	4.84	5.60	6.17	5.08	6.30	5.85
.369	5.46	6.44	4.80	5.65	6.40	5.35	6.42	5.85
.381	5.48	6.20	4.82	5.58	6.30	5.36	6.46	5.82
.394	-	6.32	4.95	5.58	6.13	5.28	6.38	5.90
35 725.327	6.02	6.20	5.50	-	6.41	5.74	5.94	6.28
.377	5.98	6.16	5.12	5.86	6.04	5.82	6.08	6.26
.419	5.98	6.47	5.28	5.54	6.32	-	6.33	6.40
.432	5.86	6.38	5.34	5.50	6.22	5.70	6.26	6.50
.445	5.72	6.40	5.24	5.43	6.20	5.52	6.06	-
.457	5.80	6.27	5.56	5.45	6.22	5.50	6.42	6.22
.495	5.40	-	5.66	5.70	5.62	5.42	6.34	6.00
.507	5.42	-	5.27	5.58	5.52	5.32	6.28	5.84
.519	5.60	6.30	5.70	5.69	5.52	5.40	6.30	5.98
.531	5.46	-	5.68	5.80	5.78	5.14	6.26	5.94
36 068.496	5.92	6.30	5.76	6.16	5.66	5.70	5.58	6.42
.514	5.98	5.88	5.84	6.14	5.60	5.62	5.52	6.50
.528	5.86	5.40	5.52	6.16	5.90	5.24	5.73	6.22
.543	5.60	5.16	5.48	6.06	5.80	5.24	5.67	6.20
36 073.380	5.54	6.21	-	5.67	6.41	5.20	6.10	6.45
.393	5.32	6.22	5.62	5.73	6.36	5.17	6.26	6.22
.406	5.40	6.27	5.60	5.71	6.04	5.34	6.10	6.27
.419	5.52	6.50	5.60	5.84	6.04	5.36	6.26	6.28
.432	5.56	6.34	5.66	5.78	5.86	5.32	6.40	6.12
.446	5.72	6.31	5.77	5.75	5.64	5.57	6.30	6.31
.459	5.66	6.35	5.82	5.88	5.34	5.70	6.36	6.12
.473	5.60	6.48	5.98	5.92	5.42	5.60	6.40	6.00
.486	5.61	6.54	5.64	5.94	5.44	5.52	6.46	5.82
.500	5.81	6.35	5.60	5.81	5.52	5.63	6.18	5.83
36 074.381	5.89	5.66	-	6.01	6.01	-	6.70	5.91
.394	6.07	5.84	-	6.28	6.16	-	6.47	5.71
.406	5.90	5.96	4.93	6.34	6.32	5.90	6.28	6.00
.420	5.90	5.90	5.07	6.37	6.23	5.80	5.98	5.98
.434	5.56	6.10	5.00	6.41	6.24	5.50	5.67	5.90
.447	5.60	6.04	5.12	6.25	6.24	5.48	5.65	6.19

Table II. cont.

J.D. 24 00 000+	V18	V19	V20	V22	V23	V24	V25	V26
36 074.460	5.60	6.09	5.01	6.23	6.56	5.52	5.51	6.09
.473	5.42	6.26	5.28	6.39	6.18	5.52	5.70	6.16
.486	5.43	6.22	5.30	6.27	6.27	5.30	5.60	5.98
.500	5.45	6.38	5.27	6.33	6.33	5.24	5.42	6.14
.513	5.50	6.30	5.26	6.23	6.41	5.42	5.66	6.21
.526	5.28	-	5.33	6.20	6.06	5.28	5.75	-
38 259.416	6.08	5.38	5.08	6.18	5.56	5.38	5.42	6.06
.473	5.74	5.80	-	-	5.30	5.24	5.66	5.68
.493	5.64	5.82	5.14	6.36	5.36	5.16	5.90	5.70
38 268.472	-	5.20	-	5.76	5.85	-	6.36	6.08
.487	5.64	5.20	5.08	5.86	5.90	5.80	6.40	6.12
.502	5.67	5.20	5.06	5.89	5.89	5.76	6.40	6.08
.518	5.83	5.18	5.28	5.88	5.95	5.80	6.31	6.32
.531	5.63	5.30	-	5.84	6.32	-	6.50	6.44
.544	-	5.40	-	6.05	6.24	-	6.26	6.20
.558	5.70	5.46	-	6.02	6.18	-	6.26	-
.572	5.88	5.44	5.22	6.06	6.11	5.40	6.18	6.18
.586	5.88	5.56	5.20	6.12	6.40	5.50	6.40	6.54
.601	5.82	5.60	5.28	6.07	6.18	5.32	6.55	6.31
38 289.280	5.78	6.02	-	5.50	5.84	5.52	6.04	5.90
.304	5.44	5.98	5.18	5.47	5.70	5.46	5.82	5.95
.325	5.37	6.01	4.98	5.74	5.74	5.44	5.54	5.88
.346	5.51	6.38	5.05	5.79	5.85	5.43	5.36	5.95
.373	5.40	6.12	5.00	5.77	5.82	5.18	5.52	5.78
.402	5.54	6.37	4.80	5.75	6.10	5.14	5.72	5.97
.420	5.62	6.40	5.23	5.72	6.20	5.50	5.79	6.34
.466	5.73	6.15	5.30	6.10	6.06	5.47	5.94	6.31
.482	5.81	6.43	5.48	6.00	6.26	5.60	5.94	6.26
.506	5.80	6.80	5.12	6.20	6.04	5.90	5.90	6.28
.522	5.88	6.38	5.44	6.12	6.46	5.64	5.92	6.46
.547	6.02	6.21	5.40	6.20	6.13	6.06	6.21	6.05
.560	-	6.22	5.24	6.10	6.38	.	6.22	6.16
.574	-	-	5.36	6.00	6.39	-	6.10	-
39 350.467	6.09	6.27	5.76	6.25	6.24	5.84	6.72	5.78
.483	5.98	6.34	-	6.23	6.49	-	6.39	5.80
.496	6.36	6.62	5.86	6.40	6.52	5.60	6.21	5.79
.522	6.02	6.54	5.61	6.55	6.42	5.76	5.62	5.74
.535	6.12	-	-	6.27	6.39	-	5.49	6.22
39 351.498	5.56	6.20	4.90	5.36	5.32	5.41	6.26	6.36
.512	5.85	6.20	5.23	5.67	5.59	5.57	6.09	-
.524	5.73	5.99	5.20	5.48	5.48	-	6.07	6.05
.536	6.01	6.14	5.27	5.51	5.62	5.68	6.12	6.15
39 355.445	5.47	5.82	5.70	6.24	6.09	-	6.26	6.19
.460	5.51	5.90	5.52	6.22	5.97	5.75	6.28	6.21
.474	5.61	6.12	5.59	6.26	6.14	5.62	6.42	6.26
.490	5.61	-	5.72	6.05	6.06	5.50	6.08	6.37
.504	5.67	6.13	5.80	6.17	5.96	5.44	6.37	6.28
.520	5.74	6.16	5.82	6.09	6.12	5.39	6.18	6.17
.533	5.67	6.37	5.61	-	5.96	5.31	-	6.20

Table II. cont.

J.D. 24 00 000+	V27	V28	V29	V30	V31	V32	V35	V36
28752.540	-	6.20	5.69	6.04	6.12	6.07	5.95	5.43
28754.394	-	5.82	-	-	6.08	-	6.25	5.36
.436	-	5.56	-	5.72	5.96	6.00	-	5.40
.485	-	5.81	6.50	5.83	6.11	5.70	5.79	5.59
.502	-	-	6.43	5.85	6.08	5.30	-	5.75
.521	-	-	6.17	-	6.20	5.23	5.60	5.73
28758.463	-	5.70	6.42	5.70	6.08	6.10	5.71	6.40
.485	-	5.51	-	5.66	-	-	5.90	6.38
28760.406	-	-	5.70	5.48	-	-	-	6.08
.443	-	5.73	5.58	5.59	-	-	-	-
28774.392	-	-	6.10	5.90	5.98	6.10	6.38	5.36
28775.379	-	6.20	5.56	5.82	6.29	5.97	6.10	6.12
.396	-	6.21	5.60	5.63	6.46	5.86	6.14	6.10
.411	6.85	6.12	5.45	5.58	6.17	5.80	6.09	6.00
.426	-	6.35	5.60	5.43	6.13	5.97	6.10	5.98
.440	6.90	-	5.54	5.60	5.94	6.15	6.25	6.13
.456	6.90	6.40	5.68	5.40	5.74	5.90	6.25	6.22
.471	6.95	6.59	5.86	5.40	5.54	5.91	6.29	6.25
28776.367	-	6.63	6.29	-	5.89	5.40	5.95	5.90
.383	6.80	-	6.23	5.74	5.95	5.58	5.85	5.90
.397	-	-	6.20	5.81	5.98	5.55	5.83	5.65
.411	-	-	6.20	-	6.00	5.50	5.58	5.68
.427	-	-	6.05	5.82	5.98	5.42	5.61	5.98
.442	6.90	-	6.14	6.01	5.96	5.60	5.70	6.05
.456	-	-	6.02	6.02	6.11	5.71	5.61	6.12
.474	-	-	6.32	6.00	6.10	5.65	5.78	6.00
28779.392	6.85	6.01	5.61	6.00	6.33	5.34	6.38	5.42
.411	6.90	-	5.79	6.00	6.24	5.38	6.20	5.52
.437	6.85	6.19	5.63	5.86	6.41	5.73	6.02	5.59
28780.376	6.90	6.46	6.27	5.47	5.54	5.80	6.10	6.29
.396	-	6.51	-	5.52	5.55	-	6.07	6.29
.422	6.85	6.24	5.99	5.51	5.51	5.90	6.00	6.24
28783.406	6.90	6.05	5.63	6.00	6.13	5.90	5.75	6.00
.429	6.90	6.20	5.58	6.10	6.25	6.00	5.82	6.18
.449	6.90	6.15	5.56	5.98	6.10	5.79	6.00	6.17
28837.251	6.95	6.54	6.45	5.54	5.83	5.85	6.09	6.30
.265	6.80	6.28	6.42	5.78	5.96	6.00	6.19	6.31
.279	6.90	-	-	5.76	6.01	5.91	6.22	6.45
.293	6.90	6.50	6.50	5.75	6.07	5.81	6.17	6.30
.307	6.90	6.52	6.38	5.80	6.03	5.93	6.16	6.32
.325	6.80	6.75	6.23	5.70	6.06	6.06	6.30	5.82
29107.517	7.00	6.56	6.33	5.71	6.18	5.40	5.95	6.15
.531	7.00	6.46	6.42	5.55	6.13	5.45	5.95	6.29
.544	6.80	6.52	6.19	5.60	6.17	5.50	6.00	6.33
.558	6.80	-	6.20	5.46	6.23	5.60	6.05	6.38
.570	6.80	6.80	6.19	5.48	6.15	5.65	-	6.25
29108.470	6.80	6.04	6.02	5.56	6.38	5.91	6.50	6.09
.485	6.90	5.69	5.81	5.70	6.42	5.93	6.36	6.05
.500	-	5.41	6.30	5.70	6.27	5.69	6.15	5.86
.515	6.90	5.55	6.19	5.67	6.08	5.70	6.10	6.10

Table II. cont.

J.D. 24 00 000+	V27	V28	V29	V30	V31	V32	V35	V36
29108.530	-	5.70	6.15	5.91	6.06	6.06	5.83	6.12
.544	6.90	5.61	6.08	5.80	6.09	5.78	5.92	6.16
.558	6.80	-	6.19	5.91	6.06	5.81	5.68	6.15
29109.474	-	6.52	5.42	5.92	5.85	5.77	6.01	5.17
.488	6.90	6.11	5.57	5.76	5.87	5.72	5.99	5.15
.500	6.90	6.43	5.44	5.74	5.94	5.58	6.03	5.15
.513	6.95	6.36	5.60	5.85	6.06	5.98	6.20	5.13
.526	6.90	6.29	5.60	5.70	6.06	5.77	6.05	5.28
.540	6.95	6.31	5.56	5.77	6.08	5.79	6.30	5.24
.553	6.90	6.43	5.66	-	6.21	5.81	6.29	5.28
29110.435	-	-	6.08	5.45	6.22	5.64	6.02	5.93
.449	-	-	-	5.56	-	5.82	5.85	6.12
29113.423	-	6.19	5.61	5.73	6.10	5.84	6.36	5.96
.440	-	6.20	5.55	6.00	6.04	-	-	-
.454	6.80	-	5.56	6.00	6.07	5.81	6.30	5.98
.467	-	-	5.53	6.00	5.95	-	6.35	6.02
.482	6.80	-	5.58	5.96	5.97	5.50	6.20	6.02
.496	-	-	-	5.90	5.88	5.38	6.00	6.10
.510	-	-	5.70	5.94	5.93	5.46	5.92	-
29114.423	-	-	6.38	-	6.09	5.99	6.01	6.15
.438	-	-	6.19	5.56	5.91	5.76	5.84	5.90
.452	6.85	-	6.40	5.64	6.05	-	5.95	5.65
29130.385	7.00	-	6.19	5.71	6.12	6.04	6.04	6.25
29131.347	6.80	-	5.64	6.10	6.20	-	6.02	5.20
.379	6.90	-	5.68	6.10	5.98	6.04	6.10	5.42
.393	6.95	5.70	5.68	5.90	5.80	5.87	6.14	5.23
.408	7.00	5.98	5.80	5.84	5.80	-	6.29	5.18
.449	6.90	6.10	5.99	5.59	5.81	-	6.21	5.30
.463	6.80	6.17	5.87	5.70	5.97	-	6.19	5.60
.476	7.00	-	6.02	5.58	5.95	-	6.30	5.63
.491	6.85	-	5.90	5.50	5.88	5.68	6.27	5.62
.505	6.94	-	5.96	5.40	5.91	-	6.36	5.68
29132.371	6.95	6.60	5.88	5.50	6.02	5.22	5.73	6.10
.385	6.90	6.62	5.84	5.57	6.00	5.36	5.70	6.29
.398	6.89	6.32	5.62	5.65	6.03	5.24	5.74	6.30
.411	6.90	6.43	5.69	5.50	6.03	-	5.73	6.34
.424	6.85	6.43	5.76	5.55	6.14	5.20	5.71	6.30
.434	-	-	5.62	5.75	6.07	5.62	-	5.97
29138.441	6.89	6.43	5.90	5.46	5.86	5.16	6.20	6.06
.458	6.88	6.42	6.05	5.42	5.91	5.41	6.10	6.00
.471	6.85	6.40	6.20	5.55	5.94	5.38	5.94	6.16
.484	6.86	-	6.20	5.63	6.03	5.42	6.07	6.24
.495	6.90	6.40	6.19	5.62	6.03	5.51	5.72	6.20
29141.362	6.84	5.63	6.35	5.61	6.03	4.97	6.19	5.26
.375	6.90	5.62	6.36	5.64	6.12	5.03	6.30	5.40
.388	6.95	5.59	6.45	5.69	6.12	4.95	6.27	5.56
.403	6.94	5.59	6.19	5.72	6.22	5.24	6.12	5.56
.416	6.89	5.58	6.28	5.80	6.27	5.20	6.42	-
.429	6.87	5.81	6.34	5.75	6.38	5.22	6.39	5.68
.444	6.91	5.67	6.26	5.77	6.32	5.37	6.10	5.80

Table II. cont.

J.D. 24 00 000+	V27	V28	V29	V30	V31	V32	V35	V36
29141.456	6.94	5.73	6.42	5.80	6.28	5.48	6.37	5.95
.469	6.86	5.72	6.39	5.80	6.32	5.39	6.20	6.03
.482	6.87	5.69	6.19	5.80	6.34	5.43	6.41	6.10
.495	6.94	5.85	6.30	5.94	6.34	5.67	6.41	6.06
29159.356	-	6.60	6.48	5.88	6.22	5.94	6.06	-
.370	6.82	6.56	6.31	5.88	6.36	5.97	5.87	5.88
.383	6.80	6.63	6.40	5.92	6.28	5.93	6.05	5.69
.396	6.93	6.70	6.40	5.95	6.31	5.97	5.99	5.23
29160.342	6.92	6.18	6.20	5.66	6.15	5.75	6.37	6.45
.354	6.83	6.24	6.21	5.64	5.99	5.68	5.88	6.45
.367	6.97	6.28	6.42	5.55	5.88	5.84	5.93	6.36
.380	6.86	6.20	6.39	5.59	5.84	5.79	5.86	6.39
.394	6.91	6.21	6.21	5.67	5.83	5.69	5.63	6.43
.409	6.85	-	6.50	5.65	5.87	5.60	5.68	6.33
29161.344	6.83	6.50	5.87	5.91	5.86	4.90	6.29	5.19
.357	6.90	6.63	5.91	5.94	5.95	4.89	6.15	5.56
.372	6.89	6.64	5.82	6.00	5.99	4.99	6.23	5.72
.386	6.88	6.69	5.87	5.92	6.08	5.05	6.22	5.79
.399	6.82	6.72	5.92	5.93	6.11	5.17	6.32	5.86
29162.325	-	6.26	5.87	5.72	6.42	-	5.71	-
.339	-	-	5.70	5.65	6.23	5.94	5.76	-
.352	-	6.27	5.62	5.65	6.23	-	5.84	6.32
.365	-	6.31	5.54	5.56	6.09	-	5.86	6.44
.378	-	6.24	5.47	5.55	5.84	6.07	5.76	6.45
.392	-	6.28	5.57	5.67	5.74	5.97	5.73	6.43
29166.399	6.80	6.07	5.50	5.60	6.35	5.48	-	5.62
29167.353	-	6.41	6.39	5.60	5.65	5.80	5.70	6.31
.366	-	6.65	6.38	5.81	5.66	5.64	5.82	6.38
.378	6.85	6.56	6.23	5.72	5.67	5.30	5.88	6.01
.391	-	6.61	6.50	5.72	5.75	4.95	5.73	6.31
29187.274	-	6.37	6.38	5.80	6.32	5.80	5.72	6.08
.305	-	6.32	6.09	5.78	6.18	5.85	5.68	6.20
.318	-	6.58	6.09	5.90	5.80	5.85	5.80	6.29
.331	-	-	6.38	5.89	5.85	5.80	5.76	6.25
29518.315	-	5.63	5.50	6.02	6.28	5.87	5.74	5.07
.336	6.84	5.51	5.42	5.70	6.13	-	5.70	5.09
.349	6.89	5.57	5.60	5.60	6.00	5.72	5.68	5.15
.362	6.94	5.80	5.38	5.42	5.95	5.70	5.78	5.24
.375	6.87	5.89	5.55	5.40	5.97	5.67	5.76	5.36
29519.455	6.85	6.29	5.42	6.00	6.22	5.77	5.77	6.46
29520.313	6.90	5.62	6.10	5.87	6.16	5.66	5.88	5.96
.327	6.85	5.73	6.38	5.85	6.30	5.49	5.87	5.98
.339	6.89	5.59	6.40	5.88	6.08	5.29	6.04	6.10
.352	6.82	5.67	6.13	-	6.05	5.11	6.00	5.89
.363	6.86	5.65	6.35	5.97	6.00	4.97	6.08	5.88
.376	6.85	5.77	6.25	5.74	5.84	4.99	6.10	5.90
29546.266	6.90	6.51	6.44	5.90	5.93	5.85	6.01	6.30
.279	6.92	6.64	6.31	6.00	5.99	5.90	5.85	6.37
29870.406	-	-	-	5.70	-	5.56	5.80	5.58
29877.369	-	-	-	5.44	6.22	5.77	5.66	5.70

Table II. cont.

J.D. 24 00 000+	V27	V28	V29	V30	V31	V32	V35	V36
29877.381	-	6.48	6.08	5.50	6.28	5.84	5.73	5.98
.394	-	6.35	6.01	5.59	6.28	5.80	5.73	5.90
.453	-	6.45	6.21	5.79	6.22	5.74	5.94	5.89
.481	6.90	6.41	6.40	5.83	6.22	5.91	5.94	5.96
.499	-	-	-	5.91	6.20	5.56	6.07	5.98
29879.309	6.90	6.21	6.27	5.70	5.80	5.75	5.77	6.25
.321	-	6.55	6.10	5.61	5.91	5.57	5.86	-
.339	-	6.29	5.82	5.54	5.99	5.21	5.92	6.00
.372	6.90	6.42	5.55	5.42	5.94	5.17	5.91	6.06
.422	-	6.43	5.70	5.64	6.21	5.22	6.27	6.12
.435	-	-	5.53	5.65	6.10	5.32	6.30	6.20
.449	-	6.36	5.70	5.71	6.27	5.32	6.35	6.25
30259.319	6.89	5.63	6.24	5.56	5.85	5.91	6.25	5.69
.330	6.89	5.59	6.32	5.62	5.92	5.81	6.40	5.78
.340	6.88	5.41	6.21	5.56	5.99	5.89	6.14	5.87
30260.340	6.88	6.29	6.48	6.00	6.28	5.47	6.07	6.31
.354	6.86	6.44	6.57	5.85	6.18	5.41	6.25	6.36
.372	6.91	6.48	6.38	5.86	6.25	5.69	6.25	5.90
.387	6.86	6.53	6.38	5.92	6.20	5.72	6.18	5.16
.406	6.85	6.42	6.19	5.93	6.09	5.69	6.49	5.05
.427	6.90	6.41	6.62	6.00	5.99	5.70	6.33	5.05
30261.309	6.80	5.90	5.86	5.45	5.73	5.91	5.78	6.20
.323	6.92	5.81	5.94	5.39	5.82	5.81	5.75	6.29
.334	6.83	5.62	5.95	5.42	5.76	5.57	5.70	6.33
.344	6.95	5.58	6.03	5.41	5.84	5.22	5.69	6.38
.374	6.93	5.62	6.06	5.50	5.87	4.76	5.61	6.38
.388	6.88	5.69	6.30	5.58	5.98	4.87	5.80	6.42
.402	6.90	5.73	6.19	5.63	6.04	4.97	5.82	-
.417	6.87	5.71	6.46	5.50	6.00	5.08	5.77	6.08
.434	-	5.90	6.06	5.62	6.03	5.11	5.73	-
33502.437	6.89	6.35	5.63	5.85	6.15	5.77	6.01	5.88
.484	6.94	6.60	5.78	-	6.33	5.74	6.22	6.16
.502	6.90	6.46	5.68	5.86	6.27	5.89	6.14	6.16
.518	6.89	6.44	5.89	5.95	6.30	5.87	6.37	6.23
.532	6.86	6.19	5.95	5.90	6.28	5.81	6.26	6.29
33858.435	-	6.47	5.99	5.87	6.22	5.93	6.25	6.12
.445	6.95	6.51	5.93	5.81	6.16	5.86	6.22	6.07
.474	-	6.40	5.83	5.80	6.06	5.93	6.17	6.29
.486	-	-	-	6.11	5.92	5.91	6.35	-
33861.427	-	5.64	-	5.80	6.00	5.81	5.81	6.02
.439	-	5.80	-	5.69	6.00	5.81	5.94	6.08
.452	-	5.81	6.54	5.62	5.90	5.95	6.15	6.18
.464	6.90	5.92	6.19	5.53	5.79	6.02	6.22	6.29
.477	6.94	5.73	6.25	5.57	5.85	5.77	6.05	6.29
.491	-	5.91	-	5.52	6.00	-	6.25	6.29
.503	-	5.91	-	5.61	5.96	5.89	5.98	6.35
.517	-	6.05	6.54	5.69	5.94	5.96	6.09	6.30
.531	6.80	5.98	6.17	5.55	5.82	6.00	6.21	6.25
.546	6.80	6.04	6.46	5.52	5.97	6.04	6.30	6.30
.562	-	6.21	6.34	5.75	6.08	5.97	6.35	6.31

Table II. cont.

J.D. 24 00 000+	V27	V28	V29	V30	V31	V32	V35	V36
33865.378	6.90	5.79	6.16	-	6.17	5.55	6.06	6.28
.392	-	5.63	5.91	5.94	6.10	5.44	6.23	6.10
.405	-	5.63	6.31	6.01	6.24	5.44	6.46	5.68
.418	6.90	5.50	6.24	6.13	6.38	5.59	6.44	5.85
.430	-	5.46	6.37	6.15	6.33	5.51	6.35	5.54
.442	6.90	5.49	6.42	6.10	6.18	5.44	6.30	5.36
.456	7.00	5.60	6.10	6.03	6.00	5.60	6.33	5.25
.468	7.00	5.60	6.31	5.94	5.89	5.58	6.29	5.17
.563	6.90	6.07	6.17	-	5.80	5.65	5.75	5.68
.575	6.95	5.96	6.16	5.64	5.93	5.69	5.76	5.80
33871.454	6.90	5.47	5.93	5.76	6.29	5.40	6.16	6.44
.483	-	5.54	5.46	5.95	6.36	5.44	6.16	6.39
.496	6.80	5.70	-	6.05	6.30	5.50	6.01	6.24
.507	-	5.68	5.38	6.01	6.40	5.53	6.07	6.25
.518	-	5.88	5.30	6.07	6.29	5.46	6.20	6.32
.542	-	5.65	5.44	6.18	6.19	5.68	6.23	6.35
.555	6.90	5.84	5.62	6.03	5.83	5.67	6.34	6.43
.570	-	5.93	5.49	5.99	5.83	5.68	6.31	6.36
.584	-	5.99	5.82	5.99	5.74	5.69	6.20	6.34
33872.446	-	6.40	-	5.65	5.78	5.91	6.00	5.72
.452	-	-	-	5.66	5.89	5.90	5.89	5.80
.487	-	-	-	5.67	5.88	5.80	5.61	5.85
.500	-	6.50	-	5.71	5.93	5.86	5.61	5.99
.519	-	6.63	6.28	5.65	5.89	5.73	5.83	5.96
.533	-	6.43	6.19	5.71	6.03	5.67	5.80	6.00
.546	-	6.34	6.25	5.62	5.95	5.66	5.93	6.00
.560	-	6.52	6.16	5.78	6.05	5.65	5.83	6.05
.573	-	-	6.16	5.71	6.10	5.50	5.99	6.06
.586	-	6.38	5.98	5.52	6.21	-	5.85	6.12
.599	-	6.32	5.80	5.79	6.01	5.30	5.85	6.16
33881.401	-	-	5.73	5.65	5.78	-	5.91	-
.413	-	-	-	5.60	5.51	5.67	5.89	6.00
.425	-	-	5.63	5.63	5.58	5.72	6.12	6.05
.439	-	-	-	5.56	5.64	-	5.98	6.09
.451	-	6.01	-	5.54	5.68	-	6.10	5.98
.470	-	-	-	5.66	5.66	5.77	6.07	6.07
.483	-	5.83	-	5.63	5.67	5.92	6.03	6.16
33884.395	-	6.26	5.93	5.70	5.82	6.00	5.86	5.70
.408	-	6.04	6.12	5.82	5.98	6.01	5.68	5.77
.436	-	6.24	-	5.92	5.94	5.80	5.80	5.94
.450	-	6.40	6.23	5.88	6.11	5.80	5.72	5.96
.464	-	6.30	-	5.92	6.27	5.75	5.76	5.90
.478	-	-	6.12	6.02	6.18	5.79	6.04	-
.495	-	-	-	6.12	6.29	5.76	5.92	5.90
.521	-	6.53	6.35	6.14	6.33	6.11	6.20	5.94
.539	6.86	6.55	6.34	6.16	6.42	5.88	6.18	5.98
.558	6.90	6.45	6.46	6.10	6.44	5.99	6.26	6.00
.574	-	6.39	6.42	6.10	6.35	6.00	6.37	-
.594	-	6.29	-	6.02	6.29	5.97	6.38	5.94
33887.457	-	-	-	5.65	6.32	-	5.86	6.08

Table II. cont.

J.D. 24 00 000+	V27	V28	V29	V30	V31	V32	V35	V36
33887.478	-	6.39	-	5.71	5.98	5.80	5.92	-
.498	-	-	-	5.40	5.76	5.90	5.68	-
.511	-	5.91	-	5.45	5.69	5.80	5.85	6.05
.524	-	5.80	-	5.50	5.58	5.91	5.84	6.00
33888.400	-	-	5.87	5.70	5.79	5.27	6.25	6.16
.412	-	-	-	5.66	5.79	5.51	6.15	-
.425	-	-	5.90	5.53	5.85	5.51	6.15	-
.437	-	-	-	5.70	5.85	5.75	6.20	-
.461	-	-	-	-	5.91	5.72	6.35	-
.474	-	-	-	5.75	6.05	5.70	6.40	-
.485	-	-	-	6.02	6.00	5.59	6.30	-
33889.454	-	-	5.51	6.01	6.20	5.85	5.87	6.00
.472	-	-	5.70	5.77	6.12	-	5.82	6.00
.488	-	6.51	5.84	5.72	6.32	5.85	6.00	6.05
.497	-	-	-	-	-	5.60	-	5.98
.512	-	6.22	6.31	5.84	6.10	5.38	5.93	5.90
33894.380	-	5.80	-	5.72	6.20	5.07	5.70	-
.393	-	5.94	-	5.79	-	5.24	5.79	5.94
.408	-	5.99	-	5.50	6.29	5.22	-	5.98
.420	-	-	-	-	6.18	5.35	5.79	6.00
.439	-	-	-	5.65	5.94	5.38	5.80	-
33895.443	-	-	-	5.95	6.14	5.84	6.20	5.24
.457	-	-	-	5.95	6.10	5.76	6.00	5.19
.468	-	-	-	6.10	6.15	5.92	5.88	5.16
.487	-	-	-	6.08	6.16	5.94	6.03	5.12
.498	-	-	-	6.05	6.16	5.66	5.92	5.28
.514	-	-	-	-	-	5.71	5.74	-
.526	-	6.40	-	5.88	6.20	5.78	5.68	5.45
.541	-	5.97	-	5.75	-	5.71	5.68	5.47
34238.526	-	6.49	6.20	6.07	6.02	6.17	5.97	6.23
.539	-	6.10	6.28	6.00	5.98	5.90	5.85	6.29
.553	-	-	6.28	6.00	5.85	5.97	6.10	6.33
.565	-	6.32	6.20	5.87	5.90	5.93	6.05	6.40
.580	-	-	6.35	5.75	5.94	6.01	6.09	6.39
34241.435	-	-	6.37	5.95	5.76	5.80	6.06	5.77
.450	-	-	6.22	-	5.55	5.60	5.94	5.88
.463	-	-	6.47	5.58	5.62	5.52	5.94	5.94
.479	-	6.36	6.00	5.55	5.74	5.90	5.81	5.90
.492	-	-	6.18	5.49	5.83	5.90	5.77	5.91
34253.410	-	-	5.82	5.79	-	5.06	5.80	6.00
.446	-	-	5.84	5.75	6.22	5.35	5.58	6.00
34254.449	-	5.70	5.50	5.63	5.95	5.68	6.23	5.88
.467	7.00	5.94	5.42	5.72	5.88	5.96	6.28	5.65
.484	7.00	-	5.53	5.62	5.89	6.12	6.32	5.76
.505	-	-	5.81	5.50	5.74	5.87	6.32	5.94
.525	-	6.17	5.62	5.50	5.73	5.75	-	5.96
34270.492	-	5.44	5.52	5.95	5.77	5.42	6.18	-
.514	-	5.69	5.27	5.74	5.90	5.47	-	-
34573.459	-	6.30	6.01	5.95	6.18	-	6.10	5.67
.473	-	-	6.18	6.05	6.15	-	6.20	6.15

Table II. cont.

J.D. 24 00 000+	V27	V28	V29	V30	V31	V32	V35	V36
34606.527	-	5.65	6.32	5.48	6.10	5.78	-	6.02
.541	-	5.70	6.21	5.56	6.22	5.64	6.15	6.25
,556	-	-	6.10	-	6.30	6.04	-	6.00
.571	-	5.81	6.22	5.61	6.18	6.10	6.40	6.22
.586	-	5.91	6.45	5.76	6.32	-	6.30	6.13
34945.407	6.90	6.28	6.20	-	6.25	5.10	5.80	5.73
.424	-	6.22	-	-	-	5.20	5.69	-
34949.463	-	-	6.02	-	6.27	5.74	6.25	-
35371.410	-	6.28	6.55	5.88	5.92	6.00	6.20	6.27
.423	-	-	-	5.82	6.05	6.19	-	6.18
.436	-	-	6.14	5.90	6.02	6.12	6.25	-
.455	-	-	6.40	5.96	6.10	-	6.40	6.00
35720.298	6.85	6.54	6.18	5.80	5.97	4.87	5.78	-
.315	6.90	6.24	6.40	5.84	5.80	5.32	5.74	6.22
.328	7.00	6.40	6.50	5.95	5.90	5.24	5.91	6.10
.344	7.00	6.30	6.45	5.95	5.99	5.25	5.93	6.17
.356	-	5.92	6.37	6.10	5.93	5.36	5.65	6.17
.369	-	5.90	6.55	6.10	6.00	5.20	6.00	5.70
.381	-	5.79	6.50	6.00	-	5.20	5.89	5.42
.394	-	5.92	6.32	6.00	6.00	5.24	5.90	5.10
35725.327	6.80	-	5.60	5.72	6.10	5.84	5.84	-
.377	-	6.25	6.20	5.62	6.27	5.70	5.96	5.35
.419	6.86	-	6.50	5.62	6.28	5.86	5.92	5.15
.432	6.89	6.38	6.18	5.70	6.26	5.86	6.29	5.03
.445	6.95	6.34	6.45	5.64	6.27	5.71	6.16	5.18
.457	6.91	6.20	6.32	5.56	6.07	6.02	6.28	5.42
.495	6.90	6.38	6.38	5.68	5.70	5.80	6.40	5.63
.507	-	-	6.40	5.62	5.62	5.70	6.18	5.65
.519	6.90	6.40	6.55	5.84	5.63	6.00	6.38	5.70
.531	-	-	6.50	5.74	5.67	5.66	6.32	5.80
36068.496	6.82	5.48	5.50	5.58	5.90	5.78	6.30	6.17
.514	6.90	5.52	5.52	5.64	5.86	5.56	6.02	6.13
.528	6.90	5.74	5.55	5.54	5.94	5.58	5.90	6.18
.543	6.86	5.44	5.30	5.60	5.81	5.70	5.78	6.03
36073.380	6.90	6.18	6.55	5.54	5.90	5.43	6.37	5.97
.393	6.88	6.10	6.40	5.62	5.96	5.47	6.36	6.00
.406	6.90	6.13	6.38	5.56	5.96	5.53	6.24	6.05
.419	6.90	6.38	6.50	5.64	5.79	5.62	6.40	5.92
.432	6.90	6.18	6.40	5.64	6.02	5.68	6.26	6.13
.446	6.95	6.44	6.50	5.80	5.97	5.80	6.22	-
.459	6.80	6.23	6.55	5.88	6.02	5.66	6.27	6.07
.473	6.70	6.29	6.22	5.80	5.93	5.70	6.29	-
.486	6.96	6.27	6.55	5.82	6.10	5.65	6.12	6.15
.500	6.90	6.32	6.38	5.81	5.96	5.83	6.06	-
36074.381	6.90	6.48	6.12	5.96	6.07	5.70	5.65	-
.394	7.00	6.28	5.83	6.05	6.27	5.50	5.60	5.72
.406	6.95	6.24	6.29	5.86	6.28	5.16	5.61	-
.420	6.87	6.47	5.92	5.90	6.30	5.07	5.65	5.77
.434	6.95	-	6.32	5.62	6.27	5.11	5.80	5.90
.447	6.90	6.42	6.50	5.65	6.27	5.20	6.12	5.88

Table II. cont.

J.D. 24 00 000+	V27	V28	V29	V30	V31	V32	V35	V36
36074.460	6.90	-	6.32	5.70	6.26	5.18	6.00	6.00
.473	6.88	5.85	6.37	5.58	6.27	5.31	6.05	6.17
.486	6.87	5.82	6.55	5.47	6.16	5.30	6.03	6.12
.500	6.90	5.68	6.50	5.53	5.97	5.09	6.22	5.87
.513	6.85	5.66	6.38	5.62	5.74	5.30	6.43	5.93
.526	6.82	5.40	6.38	5.55	5.63	5.16	6.42	6.08
38259.416	6.91	6.34	6.60	5.97	6.33	5.15	5.92	5.30
.473	-	5.58	-	5.45	5.90	5.51	6.20	-
.493	6.81	5.58	6.40	5.51	5.78	5.36	6.16	-
38268.472	6.90	6.40	5.95	-	5.61	5.10	5.70	6.33
.487	6.94	6.30	6.15	5.47	5.71	5.42	5.78	6.25
.502	6.84	6.32	6.30	5.65	5.68	5.24	5.70	6.32
.518	6.80	-	6.19	5.77	5.73	5.50	5.68	6.33
.531	6.89	6.50	6.50	5.55	5.83	5.60	5.68	6.37
.544	6.88	6.40	6.30	5.66	5.77	5.60	5.70	6.30
.558	6.88	6.32	6.45	5.65	5.81	5.60	5.84	-
.572	6.85	6.33	6.37	5.80	5.89	5.86	5.65	6.27
.586	6.95	6.72	6.70	5.72	6.02	5.62	5.91	6.03
.601	7.00	6.33	6.60	5.92	6.01	5.52	5.87	-
38289.280	6.83	6.28	6.40	5.80	5.78	5.72	5.78	6.35
.304	6.88	6.47	6.50	5.91	5.71	5.98	5.75	6.20
.325	6.85	-	6.67	5.84	5.80	5.80	5.85	6.00
.346	6.94	6.34	6.46	6.00	5.90	6.13	5.82	5.55
.373	-	6.40	-	5.85	5.87	5.70	5.94	5.13
.402	6.90	6.37	6.40	5.95	5.81	5.66	6.06	-
.420	7.00	6.70	6.40	6.05	5.91	5.92	6.13	5.35
.466	6.87	6.35	6.45	5.76	5.99	5.95	6.15	5.62
.482	6.83	6.43	6.37	5.65	6.10	5.90	6.37	5.60
.506	6.85	6.48	6.46	5.50	6.23	5.82	6.14	-
.522	6.88	6.46	6.50	5.59	6.28	5.76	6.12	5.67
.547	6.80	6.28	5.86	5.67	6.32	5.98	6.30	5.83
.560	6.85	6.59	5.69	5.60	6.22	5.54	-	5.72
.574	6.90	-	5.52	5.50	6.40	5.21	-	5.97
39350.467	6.82	6.66	5.40	5.82	6.30	5.65	6.45	5.58
.483	6.80	6.41	5.48	5.73	6.25	5.50	6.53	5.65
.496	6.78	6.62	5.66	5.68	6.38	5.65	6.40	5.63
.522	6.82	6.40	5.65	5.65	6.23	5.73	-	5.67
.535	-	6.70	5.78	5.77	6.30	5.57	-	-
39351.498	-	5.94	6.20	5.75	5.86	5.06	5.80	6.20
.512	6.90	5.99	6.05	5.80	5.98	5.26	6.03	6.10
.524	-	6.13	5.78	5.78	5.96	5.53	6.26	-
.536	6.92	-	5.60	5.63	5.93	5.35	6.10	-
39355.445	7.00	5.97	6.43	5.84	6.07	-	6.40	5.45
.460	6.85	6.02	6.34	5.95	5.97	5.82	6.34	5.47
.474	6.95	6.00	6.48	6.02	5.86	5.75	6.37	5.58
.490	6.83	6.12	6.10	-	5.84	5.69	6.20	5.52
.504	-	5.94	6.21	6.08	5.80	5.90	6.38	5.57
.520	6.90	6.08	6.05	5.91	5.66	5.84	6.24	5.68
.533	-	-	-	5.98	5.84	5.86	-	-

Table II. cont.

J.D. 24 00 000+	V38	V39	V40	V42	V43	V44	V45	V49
28 752.540	6.09	5.98	5.79	-	-	5.33	6.18	5.40
28 754.394	-	-	5.76	-	-	5.62	6.14	5.18
.436	-	5.89	5.80	5.79	-	5.61	5.98	5.19
.485	5.68	-	5.66	5.58	5.77	5.87	6.14	5.35
.502	-	-	5.67	5.75	5.59	5.77	5.94	5.35
.521	5.37	-	5.73	5.46	5.66	5.62	5.98	5.34
28 758.463	-	6.12	6.40	5.38	5.70	5.28	6.00	5.26
.485	5.92	5.82	5.97	-	5.70	5.40	5.94	5.43
28 760.406	-	-	-	-	5.59	5.70	5.99	5.22
.443	-	-	5.66	-	5.70	5.80	5.90	5.45
28 774.392	5.64	6.30	5.83	6.10	6.10	5.88	5.15	5.39
28 775.379	6.10	5.65	6.30	5.85	6.45	5.89	5.98	5.29
.396	6.20	5.85	6.54	5.60	6.00	5.92	5.96	5.18
.411	6.00	5.82	6.23	5.84	5.78	5.80	6.12	5.31
.426	6.24	5.87	6.33	5.86	5.86	5.87	6.14	5.27
.440	-	6.09	-	5.70	5.83	5.90	6.10	5.44
.456	5.90	6.08	6.25	6.01	5.73	5.79	6.05	5.25
.471	6.02	6.11	6.22	6.02	5.84	5.91	5.88	5.34
28 776.367	5.70	6.10	5.73	6.55	6.24	5.28	5.16	5.38
.383	5.67	5.99	-	6.00	-	5.35	5.15	5.28
.397	5.90	5.83	5.79	5.93	6.30	5.47	5.06	5.42
.411	5.95	5.83	5.68	5.83	-	5.45	5.08	5.39
.427	5.97	5.70	6.10	5.77	6.48	5.58	5.14	5.42
.442	6.03	5.75	6.06	5.78	6.32	5.45	5.23	5.55
.456	6.00	5.87	5.93	5.69	-	5.69	5.23	5.45
.474	-	5.76	-	5.70	-	5.70	5.25	5.39
28 779.392	5.69	5.81	5.86	6.01	5.80	5.44	5.98	5.32
.411	5.75	5.79	5.83	5.92	5.79	5.55	6.05	5.38
.437	6.00	6.13	5.71	6.19	5.78	5.65	6.10	5.36
28 780.376	5.64	5.54	6.46	5.83	6.28	5.90	6.10	5.48
.396	5.63	5.41	6.10	5.69	6.20	5.85	6.08	5.30
.422	5.47	5.51	5.92	5.75	6.42	5.67	5.24	5.25
28 783.406	5.44	5.78	6.49	6.06	5.72	5.70	5.86	5.30
.429	5.46	5.83	5.85	6.33	5.88	5.37	5.84	5.48
.449	5.42	5.51	5.99	6.22	5.88	5.10	5.97	-
28 837.251	6.12	5.49	6.01	5.99	5.60	5.70	6.12	5.43
.265	6.03	5.50	6.30	5.85	5.81	5.65	6.16	5.41
.279	6.10	5.55	-	5.81	5.90	5.62	6.16	5.35
.293	5.91	5.53	6.20	5.77	5.73	5.66	6.05	5.37
.307	5.97	5.52	6.43	5.74	5.93	5.85	6.13	5.34
.325	6.03	5.47	6.40	5.60	5.91	5.80	5.55	5.36
29 107.517	5.92	6.21	6.31	5.96	6.50	5.22	6.18	5.10
.531	5.89	5.80	6.52	6.10	6.53	5.32	6.10	5.05
.544	6.15	-	6.00	6.00	6.20	5.37	6.23	5.05
.558	6.33	5.81	6.06	6.02	6.47	5.37	6.19	5.24
.570	6.02	5.32	6.06	6.00	6.59	5.38	6.20	5.26
29 108.470	5.70	5.43	5.91	6.01	5.70	5.97	5.45	5.33
.485	5.73	5.48	5.93	5.78	5.73	5.90	5.76	5.33
.500	5.61	5.87	5.77	5.60	5.64	5.81	5.70	5.40
.515	5.79	5.80	6.01	5.70	5.82	6.00	5.72	5.44

Table II. cont.

J.D. 24 00 000+	V38	V39	V40	V42	V43	V44	V45	V49
29 108.530	5.79	5.93	6.13	5.74	5.97	5.82	5.80	5.28
.544	5.74	6.05	5.97	5.84	5.76	5.78	5.80	5.47
.558	5.87	5.87	6.19	5.60	5.86	5.86	5.76	5.42
29 109.474	6.01	5.73	5.79	6.25	6.33	5.56	5.88	4.97
.488	5.86	5.60	5.76	6.36	6.40	5.72	5.94	5.10
.500	5.64	5.58	5.72	6.22	6.18	5.64	6.16	5.00
.513	5.69	5.56	5.65	6.27	6.46	5.79	6.12	5.14
.526	5.52	5.70	5.79	5.97	6.20	5.84	6.16	5.20
.540	5.54	5.66	5.75	5.90	6.54	5.77	6.02	5.22
.553	5.52	5.60	5.80	6.00	6.23	6.00	5.98	5.26
29 110.435	5.98	5.58	6.16	5.98	-	5.47	5.37	5.34
.449	5.78	5.59	6.14	-	-	5.10	-	5.40
29 113.423	5.62	5.84	6.10	6.33	6.32	5.09	6.02	5.05
.440	5.81	5.64	5.96	6.29	6.49	4.83	5.96	5.10
.454	5.82	5.75	6.16	-	-	4.90	6.05	5.18
.467	5.98	5.69	-	6.06	-	4.94	6.10	5.25
.482	6.00	5.60	-	-	-	5.01	6.08	5.21
.496	-	5.51	-	6.02	-	5.09	5.98	5.21
.510	5.90	5.79	-	-	-	5.22	5.90	5.28
29 114.423	5.53	6.17	5.74	6.10	5.74	5.97	5.16	5.42
.438	5.57	6.09	5.69	6.20	5.74	6.00	5.18	5.35
.452	5.53	6.10	5.75	6.51	5.71	5.95	5.19	5.21
29 130.385	6.12	6.04	5.78	6.46	5.78	5.90	6.05	4.95
29 131.347	5.36	5.48	6.06	6.24	6.46	5.40	5.25	5.32
.379	5.38	5.62	5.76	6.52	6.02	5.40	5.20	5.42
.393	5.68	5.42	5.58	6.30	5.92	5.20	5.16	5.30
.408	5.50	5.36	5.48	6.20	5.98	5.63	5.19	5.42
.449	5.55	5.59	5.76	6.27	5.89	5.77	5.24	5.49
.463	5.76	5.56	5.80	6.23	5.80	5.77	5.42	5.48
.476	5.75	5.50	5.82	6.40	6.00	5.77	5.70	5.46
.491	5.86	5.54	5.96	6.16	5.92	5.85	5.75	5.40
.505	5.92	5.74	5.82	6.02	5.90	5.85	5.80	5.49
29 132.371	5.82	5.89	6.42	5.91	6.01	5.85	6.06	5.03
.385	5.70	5.94	6.45	5.81	5.99	5.81	6.23	5.04
.398	5.55	5.87	6.18	5.87	6.03	5.85	6.25	5.10
.411	5.44	5.73	6.20	6.00	6.01	5.80	6.26	5.08
.424	5.47	5.78	6.07	6.18	6.26	5.90	6.06	5.22
.434	-	-	-	-	-	-	-	5.13
29 138.441	5.30	5.59	6.40	5.88	6.32	5.25	5.96	5.16
.458	5.30	5.62	6.61	5.84	6.64	5.00	6.00	5.36
.471	5.34	5.58	6.32	5.74	6.40	4.98	6.05	5.20
.484	5.42	5.78	6.22	5.99	6.46	4.94	6.12	5.31
.495	5.56	5.72	6.10	5.88	6.07	5.12	6.18	5.30
29 141.362	5.94	5.77	6.11	5.82	5.64	5.79	6.04	5.34
.375	5.98	5.90	6.23	5.84	5.63	5.79	6.06	5.37
.388	5.82	5.96	6.21	5.95	5.63	5.67	6.10	5.37
.403	5.72	5.89	6.20	6.01	5.85	5.42	6.16	5.29
.416	5.68	5.84	6.48	6.06	5.75	5.31	6.14	5.18
.429	5.60	5.71	6.35	6.16	5.92	5.20	6.10	5.17
.444	5.45	5.64	6.17	6.05	5.90	5.14	5.84	5.11

Table II. cont.

J.D. 24 00 000+	V38	V39	V40	V42	V43	V44	V45	V49
29 141.456	5.46	5.67	6.49	6.25	5.91	5.17	5.80	5.03
.469	5.43	5.57	6.31	6.32	5.90	5.12	5.40	4.97
.482	5.39	5.71	6.31	6.39	5.93	5.20	5.28	4.77
.495	5.43	5.89	6.23	6.45	6.09	5.38	5.24	4.88
29 159.356	6.08	5.88	5.71	5.76	6.36	5.30	5.82	5.10
.370	5.93	5.83	5.63	5.88	6.24	5.44	5.90	5.22
.383	5.80	5.73	5.70	5.78	6.42	5.40	5.87	5.22
.396	5.90	5.65	5.86	5.93	6.42	5.42	5.88	5.28
29 160.342	5.83	5.90	6.40	5.85	5.80	5.85	6.02	5.42
.354	5.86	5.82	6.34	5.78	5.79	5.94	6.05	5.33
.367	5.86	5.96	6.34	5.65	5.66	5.81	6.10	5.38
.380	5.94	5.88	6.14	5.66	5.65	5.80	6.10	5.40
.394	5.96	5.91	6.01	5.71	5.76	5.85	6.00	5.45
.409	-	-	-	-	-	5.75	5.85	5.54
29 161.344	5.43	5.67	6.11	6.35	6.35	5.70	5.78	5.29
.357	5.44	5.63	6.15	6.24	6.25	5.74	5.84	5.30
.372	5.54	5.74	6.20	6.34	6.39	5.69	5.88	5.32
.386	5.53	5.73	6.17	6.19	6.39	5.91	5.85	5.28
.399	5.42	5.70	6.26	6.26	6.50	5.77	5.94	5.18
29 162.325	6.07	5.98	5.74	6.27	5.86	5.38	5.89	5.47
.339	6.04	6.04	5.80	6.18	5.84	5.30	5.95	5.36
.352	6.09	6.00	5.76	6.34	5.82	5.33	5.94	5.62
.365	5.97	6.04	5.65	6.38	5.91	5.32	6.00	5.44
.378	5.91	5.91	5.60	6.32	5.83	5.34	5.96	5.48
.392	6.02	6.16	5.75	6.40	5.87	5.43	6.00	5.28
29 166.399	5.85	5.25	6.10	6.60	5.74	5.80	6.05	4.76
29 167.353	5.49	5.75	5.93	6.07	6.17	5.73	5.42	5.31
.366	5.59	5.77	5.88	5.94	6.23	5.77	5.48	5.37
.378	5.50	5.78	6.00	6.16	6.32	5.85	5.76	5.37
.391	5.41	5.85	6.04	6.41	6.33	5.85	5.76	5.31
29 187.274	5.42	5.80	5.51	6.15	5.72	5.53	5.98	5.39
.305	5.58	5.88	5.66	6.22	5.64	5.04	5.96	5.14
.318	5.68	5.89	5.75	6.24	5.82	5.02	5.98	4.96
.331	5.72	5.83	5.81	6.01	5.94	5.28	5.96	4.95
29 518.315	5.75	5.78	6.12	6.32	5.98	5.95	5.48	5.00
.336	5.46	5.56	5.97	5.96	5.56	5.90	5.84	4.98
.349	5.55	5.70	6.12	5.92	5.82	5.85	5.96	5.05
.362	5.67	5.71	5.93	5.80	5.73	5.95	6.03	5.10
.375	5.78	5.77	6.22	5.77	5.83	5.90	6.00	5.18
29 519.455	5.47	5.34	6.03	5.68	6.10	5.83	5.78	5.26
29 520.313	5.97	5.87	6.17	6.01	5.84	5.23	5.40	5.15
.327	6.04	5.88	6.41	6.13	5.80	5.20	5.47	5.14
.339	5.92	5.80	6.21	6.11	5.68	5.27	5.52	5.16
.352	6.01	5.83	6.11	6.11	5.62	5.29	5.72	5.23
.363	6.09	5.86	6.15	6.28	5.69	5.34	5.80	5.15
.376	6.03	5.82	6.00	6.23	5.74	5.34	5.84	5.15
29 546.266	5.97	5.65	6.03	6.07	6.27	6.00	5.95	5.31
.279	5.97	5.67	6.07	6.28	6.38	6.00	6.00	5.30
29 870.406	6.06	5.60	6.02	-	5.94	4.95	5.15	5.35
29 877.369	5.52	5.67	5.77	6.31	6.34	5.93	5.65	5.15

Table II. cont.

J.D. 24 00 000+	V38	V39	V40	V42	V43	V44	V45	V49
29 877.381	5.41	5.67	5.66	6.34	6.52	5.82	6.03	5.20
.394	5.62	5.76	5.69	6.32	6.39	5.84	5.70	5.20
.453	5.45	5.60	5.74	5.80	6.17	5.80	5.82	5.36
.481	5.75	5.96	5.77	5.78	6.02	5.80	5.94	5.26
.499	5.73	5.75	5.94	5.73	5.79	5.83	5.89	5.43
29 879.309	5.64	5.64	5.70	5.88	6.35	5.84	5.48	5.14
.321	5.57	5.62	5.68	5.75	6.32	5.48	5.50	5.15
.339	5.68	5.70	5.65	5.69	6.31	4.96	5.40	5.06
.372	5.63	5.75	5.78	5.83	6.42	4.76	5.62	5.10
.422	5.95	5.91	5.91	5.98	6.38	4.89	5.78	5.29
.435	5.97	5.76	6.04	5.92	6.22	5.03	5.80	5.46
.449	5.95	5.70	6.17	6.13	6.16	5.32	5.94	5.45
30 259.319	5.85	5.80	5.64	5.63	5.74	4.91	5.19	5.15
.330	5.62	5.74	5.76	5.65	5.71	5.08	5.32	5.08
.340	5.73	5.92	5.77	5.86	5.70	4.98	5.30	5.16
30 260.340	5.99	5.32	5.85	5.68	6.22	6.00	6.29	5.28
.354	6.18	5.35	5.65	5.58	6.22	5.90	6.29	5.35
.372	6.27	5.45	5.72	5.65	6.29	6.00	6.25	5.36
.387	5.94	5.49	5.62	5.70	6.16	6.00	6.27	5.37
.406	6.09	5.79	5.69	5.80	5.99	6.00	6.24	5.49
.427	5.92	5.64	5.66	5.80	5.92	6.00	6.22	5.50
30 261.309	5.49	5.89	6.24	6.45	5.72	5.57	5.30	5.13
.323	5.39	5.93	6.15	6.42	5.80	5.57	5.47	5.10
.334	5.48	5.93	6.24	6.34	5.81	5.63	5.56	5.19
.344	5.55	5.96	6.28	6.38	5.96	5.68	5.56	5.20
.374	5.62	5.83	6.43	6.25	6.08	5.74	5.58	5.21
.388	5.88	5.82	6.36	6.17	6.02	5.80	5.70	5.33
.402	5.83	5.79	6.19	5.99	6.15	5.96	5.86	5.24
.417	5.84	5.57	6.35	5.73	6.18	5.85	5.82	5.39
.434	5.93	5.52	6.23	5.72	6.38	5.87	5.89	5.22
33 502.437	6.04	5.53	5.58	6.04	5.61	5.81	6.06	5.17
.484	5.87	5.75	5.74	6.24	5.72	5.80	6.04	5.23
.502	5.58	5.82	5.91	6.29	5.70	5.85	6.12	5.31
.518	5.59	6.06	6.10	6.33	5.80	5.86	6.15	5.26
.532	5.51	5.84	5.99	6.26	5.95	5.80	6.14	5.31
33 858.435	5.75	5.81	6.34	6.31	5.70	5.66	6.05	5.44
.445	5.89	5.75	6.25	6.43	5.69	5.78	5.91	5.47
.474	5.92	5.73	6.05	5.88	5.75	5.81	5.94	5.34
.486	6.07	5.74	6.33	6.16	6.06	5.89	6.08	5.45
33 861.427	5.73	5.90	6.22	5.62	6.32	5.60	6.05	5.24
.439	5.75	-	6.20	5.57	6.61	5.61	6.00	5.06
.452	5.84	6.06	6.55	5.69	6.54	5.82	5.94	5.24
.464	6.05	5.98	6.08	5.70	6.50	5.87	6.05	5.32
.477	6.10	5.92	6.46	5.82	6.42	5.91	6.10	5.15
.491	6.00	-	6.46	5.79	6.25	5.85	6.16	5.22
.503	5.98	5.82	6.09	5.94	6.17	5.80	6.13	5.32
.517	5.95	5.86	6.20	5.90	6.07	5.87	6.18	5.26
.531	5.98	5.68	6.40	5.93	6.14	5.82	6.08	5.25
.546	6.09	5.73	6.31	6.16	5.83	5.97	5.76	5.25
.562	6.19	5.81	-	6.23	5.81	6.00	5.70	5.30

Table II. cont.

J.D. 24 00 000+	V38	V39	V40	V42	V43	V44	V45	V49
33 865.378	5.93	5.62	5.79	5.82	6.31	5.46	6.02	5.12
.392	5.85	5.61	5.73	5.69	6.55	5.18	5.98	5.17
.405	5.65	5.55	5.72	5.67	6.42	4.83	5.88	5.23
.418	5.55	5.55	5.75	5.93	6.56	4.92	6.00	5.30
.430	5.49	5.47	5.88	5.74	6.52	5.00	5.95	5.20
.442	5.53	5.53	5.85	5.94	6.28	5.09	6.00	5.22
.456	5.61	5.50	5.90	5.90	6.23	5.12	6.06	5.30
.468	5.52	5.52	5.92	5.85	6.02	5.17	6.04	5.22
.563	5.68	5.85	6.14	6.12	5.87	5.50	6.02	5.27
.575	5.71	5.90	6.04	6.52	5.64	5.73	5.98	5.37
33 871.454	5.58	5.99	5.58	5.89	5.77	5.32	6.00	5.37
.483	5.49	5.90	5.78	5.62	5.81	5.44	5.90	5.36
.496	5.43	5.81	5.82	5.70	5.70	5.41	5.90	5.40
.507	5.56	5.97	5.89	5.55	5.66	5.41	-	5.40
.518	5.71	5.97	5.84	5.70	5.69	5.49	5.96	5.32
.542	5.80	5.92	5.90	5.95	5.91	5.90	6.08	5.30
.555	5.80	5.80	6.21	5.99	6.04	5.71	5.90	5.49
.570	5.74	5.97	6.23	5.75	5.90	5.68	6.08	5.41
.584	5.88	5.84	6.09	5.94	6.01	5.75	6.11	5.44
33 872.446	-	5.83	-	-	6.15	5.83	5.26	4.80
.452	-	5.82	-	6.07	-	5.82	5.24	4.75
.487	-	5.47	5.93	-	-	5.77	5.15	4.80
.500	5.91	5.70	5.77	6.12	6.14	5.70	5.17	4.95
.519	6.03	5.68	5.75	6.20	6.28	5.42	5.19	5.02
.533	5.81	-	5.80	5.96	6.53	5.24	5.23	5.24
.546	5.67	5.81	5.68	5.85	6.33	5.01	5.39	5.09
.560	5.58	5.84	5.61	5.87	6.18	5.10	5.46	5.25
.573	5.52	5.73	5.78	5.69	-	5.11	5.68	5.20
.586	5.61	5.91	5.74	5.64	6.02	5.13	5.72	5.25
.599	5.54	-	5.56	5.61	-	5.14	5.79	5.34
33 881.401	5.99	5.73	6.17	6.12	5.74	5.94	5.56	5.55
.413	6.14	5.76	6.14	6.30	5.66	5.95	5.65	5.32
.425	6.09	5.71	-	-	5.90	5.73	5.78	5.54
.439	-	-	-	-	-	-	5.76	5.31
.451	5.92	5.71	-	6.22	5.81	5.54	5.85	5.40
.470	6.03	5.68	6.34	6.29	6.05	5.30	5.89	5.43
.483	6.09	5.67	6.28	6.37	5.90	5.03	5.90	5.21
33 884.395	5.94	5.86	6.06	6.39	6.41	5.87	5.98	5.21
.408	5.96	5.91	5.99	6.11	6.27	5.77	5.98	5.09
.436	6.07	6.02	6.10	5.84	6.21	5.41	5.97	5.25
.450	6.05	5.85	6.11	5.77	6.40	5.19	6.10	5.34
.464	6.11	5.95	6.20	5.69	6.29	5.13	-	5.22
.478	6.20	5.84	6.34	5.63	6.04	5.14	6.00	5.31
.495	6.11	5.92	6.34	5.85	6.10	5.20	6.00	5.47
.521	5.97	5.76	6.26	5.80	-	5.19	5.97	5.34
.539	5.74	5.81	6.16	5.86	5.76	5.30	6.12	5.38
.558	5.70	5.65	6.10	6.06	5.69	5.48	6.07	5.47
.574	5.54	5.82	6.01	6.16	5.66	5.46	6.08	5.44
.594	5.50	5.70	5.79	6.08	5.77	5.64	5.62	5.44
33 887.457	-	-	6.35	6.09	-	5.20	5.18	5.34

Table II. cont.

J.D. 24 00 000+	V38	V39	V40	V42	V43	V44	V45	V49
33 887.478	6.14	5.83	6.34	6.24	6.19	5.25	5.31	5.09
.498	5.97	6.19	-	6.03	6.33	5.23	5.45	4.79
.511	5.96	5.99	-	-	-	5.29	5.52	4.88
.524	5.79	5.86	-	5.97	6.32	5.42	5.60	4.80
33 888.400	5.62	5.82	5.73	5.60	-	5.90	5.88	5.25
.412	5.58	5.66	5.53	5.62	-	5.89	-	5.35
.425	5.71	5.53	5.55	5.60	-	5.80	5.95	5.45
.437	5.71	5.71	5.80	5.65	-	5.92	5.97	5.52
.461	5.81	5.74	5.77	5.72	-	6.00	5.95	5.37
.474	6.03	5.80	5.78	5.84	5.99	5.90	6.10	5.35
.485	5.86	5.63	5.80	5.73	5.83	5.80	6.06	5.44
33 889.454	5.66	6.09	6.17	6.21	-	5.91	5.17	4.95
.472	5.33	6.05	5.86	5.68	6.18	5.72	5.23	4.66
.488	5.54	5.99	6.00	5.84	6.43	5.86	5.25	4.80
.497	5.73	5.76	6.10	-	-	5.90	5.37	4.70
.512	5.71	-	5.86	-	-	5.86	5.47	4.75
33 894.380	5.62	5.90	5.90	6.14	6.00	5.80	6.16	5.49
.393	5.54	5.96	5.89	-	-	5.90	5.84	5.54
.408	5.50	-	5.73	-	5.99	5.81	6.04	5.30
.420	-	5.98	6.02	-	-	5.89	5.97	5.56
.439	5.84	6.08	5.74	-	-	5.80	5.99	5.46
33 895.443	-	5.81	6.18	6.10	6.30	5.81	5.56	5.06
.457	5.37	5.71	-	-	-	5.96	5.32	5.05
.468	5.58	5.85	-	6.40	-	6.00	5.16	5.24
.487	5.58	5.63	6.15	6.18	-	5.98	5.18	-
.498	5.57	5.73	5.94	-	-	5.95	5.23	5.15
.514	5.67	5.72	6.07	-	-	6.02	5.18	5.23
.526	5.65	5.72	5.94	6.25	-	5.94	5.36	5.25
.541	5.60	5.86	5.77	-	-	5.81	5.38	5.35
34 238.526	5.62	6.24	5.60	5.95	5.98	6.00	6.02	5.38
.539	5.80	5.82	5.61	5.61	5.59	6.08	5.96	5.48
.553	5.52	6.10	-	5.58	5.52	6.05	6.10	5.26
.565	5.64	5.87	5.64	5.78	5.87	6.04	5.99	5.38
.580	5.88	6.07	5.69	5.84	5.71	5.95	6.03	5.71
34 241.435	5.80	5.57	6.27	5.70	6.04	5.98	6.18	5.26
.450	5.46	5.65	6.34	5.60	5.99	5.88	6.05	5.19
.463	5.48	5.66	6.25	5.81	6.20	5.84	6.12	5.08
.479	5.32	5.63	-	6.00	6.12	5.85	6.08	5.29
.492	5.60	5.57	5.96	5.79	-	5.90	6.08	5.34
34 253.410	5.85	5.61	6.06	6.08	-	5.97	5.80	5.50
.446	5.61	5.45	6.12	6.11	-	6.00	5.90	5.40
34 254.449	6.21	5.84	5.54	5.81	5.84	5.60	6.09	4.90
.467	6.00	6.18	5.79	5.96	5.68	5.79	5.70	4.95
.484	6.25	6.00	6.02	5.97	6.00	5.89	5.40	5.04
.505	6.11	6.15	6.02	6.36	6.02	5.87	5.28	5.10
.525	5.91	5.78	5.86	6.18	6.19	5.95	5.19	5.29
34 270.492	5.81	6.00	-	6.30	6.30	5.56	6.00	5.46
.514	5.83	5.85	-	6.02	-	-	6.04	5.43
34 573.459	6.05	-	-	5.80	6.24	5.20	6.10	5.09
.473	5.96	5.78	-	5.72	-	5.11	6.00	4.91

Table II. cont.

J.D. 24 00 000+	V38	V39	V40	V42	V43	V44	V45	V49
34 606.527	-	5.64	5.60	-	5.88	5.77	6.00	5.35
.541	5.98	5.93	5.82	-	6.10	5.90	6.05	5.31
.556	-	-	-	-	-	5.95	6.05	5.35
.571	5.71	5.91	5.99	-	-	5.85	6.00	5.43
.586	5.49	-	5.99	5.93	5.98	5.90	6.08	5.53
34 945.407	6.04	5.65	5.91	6.28	5.90	6.00	5.81	5.40
.424	5.75	-	5.87	-	-	5.90	5.59	5.38
34 949.463	6.01	5.92	5.75	6.14	5.94	5.64	6.02	5.62
35 371.410	5.50	5.92	5.83	5.80	5.70	6.08	6.05	5.35
.423	5.42	5.82	5.82	-	5.87	5.78	6.12	5.35
.436	5.56	5.83	6.08	-	5.84	5.81	6.15	5.30
.455	5.72	5.66	-	6.08	5.79	5.83	6.08	5.14
35 720.298	6.15	5.44	5.68	5.72	5.71	6.04	6.15	5.40
.315	5.90	5.78	5.46	5.74	5.71	5.95	6.13	5.42
.328	6.13	5.67	5.57	5.64	5.70	5.92	6.22	5.47
.344	6.08	5.90	5.62	5.85	5.93	5.90	5.80	5.50
.356	5.99	5.99	5.69	5.70	5.88	5.95	5.75	5.36
.369	5.76	5.92	5.56	5.82	5.96	5.85	5.62	5.42
.381	5.74	5.94	5.48	5.82	5.73	5.95	5.40	5.46
.394	5.62	5.86	5.62	5.84	5.84	5.97	5.18	5.32
35 725.327	5.36	5.84	5.80	5.77	6.14	5.36	-	4.90
.377	5.58	5.84	6.04	5.60	6.06	5.28	5.80	5.02
.419	5.78	5.86	6.26	5.60	5.90	5.27	5.95	5.22
.432	5.84	5.84	6.36	5.92	5.96	5.37	6.02	5.18
.445	5.80	5.86	6.04	5.93	5.84	5.43	6.03	5.16
.457	5.84	5.94	6.33	5.86	5.73	5.50	6.00	5.28
.495	6.10	6.22	6.62	6.06	5.68	5.65	6.13	5.20
.507	5.96	5.90	6.28	6.04	5.70	5.71	6.10	5.22
.519	6.08	6.12	6.12	6.10	5.76	5.76	6.20	5.18
.531	6.03	5.94	6.40	6.32	5.94	5.70	6.20	5.20
36 068.496	6.00	5.72	6.24	6.30	5.90	5.56	6.20	5.48
.514	6.16	5.64	6.52	6.54	6.10	5.73	6.13	5.60
.528	5.96	5.60	6.16	6.48	6.36	5.75	6.05	5.60
.543	6.00	5.53	5.80	5.97	6.22	5.68	5.72	5.53
36 073.380	5.80	5.84	6.23	5.88	6.44	5.66	5.21	5.20
.393	5.90	5.84	6.07	5.90	6.42	5.72	5.23	5.22
.406	5.98	5.84	6.16	5.96	6.37	5.84	5.30	5.30
.419	6.10	5.89	6.22	6.20	6.16	5.90	5.35	5.34
.432	6.20	5.83	6.16	6.08	6.35	5.83	5.51	5.26
.446	5.91	5.82	-	6.12	6.14	5.85	5.59	5.38
.459	6.00	5.76	6.04	6.39	6.12	5.91	5.74	5.28
.473	5.95	5.63	5.90	6.13	5.92	5.90	5.66	5.40
.486	5.74	5.57	5.64	6.30	5.82	6.00	5.70	5.30
.500	5.77	5.70	5.65	6.30	5.90	6.00	5.81	5.33
36 074.381	5.46	5.32	5.61	5.71	5.91	5.14	6.05	5.40
.394	5.45	5.26	6.00	5.66	5.61	5.07	6.08	5.57
.406	5.61	5.65	5.84	5.90	6.02	5.05	6.10	5.43
.420	5.60	5.57	5.92	5.73	6.14	5.15	6.11	5.50
.434	5.74	5.57	6.15	5.77	6.06	5.35	6.12	5.56
.447	5.68	5.68	6.10	5.76	6.12	5.24	6.05	5.35

Table II. cont.

J.D. 24 00 000+	V38	V39	V40	V42	V43	V44	V45	V49
36 074.460	5.78	5.71	6.09	5.86	6.12	5.46	6.03	5.28
.473	5.97	5.80	6.23	5.85	6.08	5.55	6.03	5.18
.486	5.88	5.82	6.27	6.03	6.07	5.56	6.05	4.88
.500	6.08	5.96	6.43	6.14	6.28	5.59	6.15	4.75
.513	5.98	5.98	6.30	6.20	6.43	5.76	6.13	4.70
.526	5.83	6.06	6.45	6.37	6.37	5.80	6.20	4.68
38 259.416	6.08	5.38	5.67	6.42	5.66	-	-	5.30
.473	5.88	5.68	6.00	6.44	5.83	-	-	5.46
.493	5.54	5.48	5.74	6.04	6.26	-	-	5.20
38 268.472	6.00	5.30	5.58	6.32	5.70	5.55	6.20	5.40
.487	5.70	5.62	5.60	6.10	5.80	5.60	6.16	5.30
.502	5.56	5.60	5.67	6.18	5.67	5.60	6.13	5.48
.518	5.50	5.68	5.80	5.98	5.65	5.74	6.22	5.50
.531	5.52	5.50	5.62	5.96	5.72	5.75	6.23	5.40
.544	5.30	5.60	5.72	5.84	5.87	5.76	6.00	5.30
.558	5.46	5.82	5.82	5.60	5.96	5.82	6.20	5.34
.572	5.38	5.86	5.80	5.50	5.88	5.64	6.08	5.24
.586	5.54	5.88	6.10	5.76	6.12	5.73	6.20	5.30
.601	5.60	6.04	6.27	5.62	6.02	5.73	6.21	5.52
38 289.280	5.54	5.95	5.64	6.18	6.40	5.37	5.90	5.19
.304	5.79	5.95	5.82	6.22	6.36	5.30	5.95	5.28
.325	5.78	5.88	5.92	6.32	6.46	5.52	5.93	5.30
.346	5.96	5.92	5.94	6.07	6.27	5.59	5.98	5.35
.373	6.12	5.72	6.23	6.12	6.05	5.64	-	5.40
.402	5.91	5.60	6.10	6.06	5.78	5.68	6.05	5.40
.420	6.32	5.84	6.10	5.92	5.94	5.75	6.15	5.50
.466	5.94	5.80	6.24	5.76	5.65	5.80	6.05	5.30
.482	5.80	5.64	6.06	5.60	5.90	5.83	6.13	5.42
.506	5.52	5.42	5.90	-	5.64	5.90	6.25	-
.522	5.52	5.70	5.70	5.70	5.80	5.81	6.23	5.32
.547	5.70	5.94	5.70	5.94	5.80	5.86	6.25	5.22
.560	5.26	5.64	5.56	5.82	5.99	5.88	6.20	5.43
.574	5.34	5.56	5.52	5.90	6.38	-	6.15	5.34
39 350.467	5.49	5.92	6.23	6.37	-	-	6.18	4.90
.483	5.46	5.99	6.35	6.21	6.33	5.27	6.20	4.89
.496	5.44	5.95	6.26	6.25	6.20	5.21	6.05	5.10
.522	5.51	5.90	6.40	5.79	-	5.22	5.97	5.21
.535	5.61	5.82	-	5.70	-	-	-	5.22
39 351.498	6.00	5.66	5.92	6.10	5.68	6.03	5.73	5.37
.512	6.12	5.65	6.21	6.29	5.82	5.98	5.85	5.47
.524	6.27	5.91	6.01	6.53	5.67	5.90	5.85	5.32
.536	5.94	5.90	6.06	6.39	5.87	5.95	5.95	5.39
39 355.445	5.59	5.76	6.29	6.25	5.91	5.80	5.65	5.37
.460	5.70	5.81	6.06	6.32	5.84	5.86	5.70	5.28
.474	5.73	5.83	6.20	6.59	5.77	-	5.65	5.32
.490	5.74	5.82	5.82	6.22	5.92	5.85	5.77	5.40
.504	5.79	6.00	5.92	6.32	5.81	5.87	5.80	5.40
.520	5.86	5.86	5.53	6.39	5.83	5.81	5.80	5.26
.533	6.20	-	5.70	6.11	5.80	5.80	5.67	5.30

Table II. cont.

J.D. 24 00 000+	V50	V51	V52	V53	V54	V57	V66	V67
28 752.540	5.80	6.16	6.35	5.70	5.68	5.67	5.77	6.11
28 754.394	-	6.00	-	-	-	6.00	-	5.50
.436	-	5.98	6.40	-	5.80	-	5.65	5.50
.485	6.12	5.94	6.45	6.00	5.57	5.48	5.67	5.78
.502	6.07	6.14	6.45	-	5.50	5.47	5.70	5.75
.521	6.07	5.88	6.45	-	5.55	5.55	5.68	5.84
28 758.463	6.18	5.97	6.45	5.67	5.70	5.68	6.15	5.62
.485	6.08	6.03	6.40	5.86	5.48	-	6.18	5.99
28 760.406	5.90	5.98	-	5.72	5.95	5.67	-	5.82
.443	6.08	5.95	5.73	5.60	-	5.47	6.20	5.56
28 774.392	5.85	5.94	6.25	6.10	6.00	5.52	6.18	5.91
28 775.379	6.10	5.98	5.80	5.61	5.65	6.05	5.62	6.04
.396	6.08	6.09	5.86	5.60	5.60	5.98	5.72	5.82
.411	6.03	6.12	6.01	5.58	5.72	6.08	5.75	5.50
.426	6.20	6.15	5.97	5.60	5.70	5.70	5.85	5.53
.440	6.17	6.22	5.98	5.77	5.60	5.58	6.02	5.34
.456	6.18	6.11	6.20	5.66	5.85	5.48	5.80	5.36
.471	6.10	6.10	6.01	5.79	6.00	5.48	6.20	5.42
28 776.367	6.16	5.72	6.35	5.83	6.10	6.05	6.15	6.03
.383	6.02	5.75	6.40	6.16	6.00	6.08	5.88	5.99
.397	5.72	5.68	6.40	6.11	6.15	5.92	5.90	6.00
.411	-	5.40	6.18	6.28	6.05	6.00	5.77	6.14
.427	5.55	5.69	5.90	6.30	5.78	6.05	5.62	6.02
.442	5.70	5.76	5.62	6.29	5.77	6.17	5.75	6.13
.456	5.72	5.76	5.32	6.03	5.67	5.97	5.65	6.03
.474	5.79	5.79	5.42	6.10	5.50	5.72	5.60	6.15
28 779.392	5.65	5.98	5.61	5.98	5.62	5.59	6.10	6.08
.411	-	5.95	5.79	5.92	5.72	5.75	6.00	5.96
.437	5.77	6.05	5.90	5.99	5.75	5.90	6.03	-
28 780.376	6.00	5.56	6.29	5.59	6.17	5.47	5.90	5.58
.396	5.97	5.65	6.30	5.52	5.98	5.52	6.00	5.80
.422	5.98	5.60	6.38	5.61	5.90	5.57	6.15	5.83
28 783.406	6.10	6.07	5.50	6.10	5.75	6.13	5.88	6.14
.429	6.13	6.10	5.70	6.02	5.90	6.17	6.12	6.13
.449	6.13	6.15	5.77	6.00	5.90	5.97	6.10	6.05
28 837.251	5.72	5.68	6.55	6.09	5.72	5.60	5.92	6.03
.265	5.77	5.94	6.38	5.93	5.72	5.78	5.88	6.20
.279	5.83	5.90	6.55	6.15	5.75	5.70	5.95	5.78
.293	-	6.02	6.40	6.00	5.68	5.55	5.85	5.60
.307	6.05	6.06	6.57	6.14	5.70	5.62	5.85	5.50
.325	5.97	5.94	6.47	6.06	5.83	5.57	5.95	5.35
29 107.517	6.15	5.40	5.74	5.51	5.80	5.97	6.10	5.99
.531	5.97	5.36	5.85	5.41	5.90	5.98	6.10	6.03
.544	5.63	5.45	5.90	5.43	6.05	6.02	5.98	5.94
.558	5.57	5.62	5.86	5.55	6.00	6.17	6.08	5.90
.570	5.50	5.85	5.92	5.53	6.20	6.12	5.90	5.85
29 108.470	5.60	6.10	6.35	5.78	5.77	5.65	5.80	5.39
.485	5.60	6.12	6.33	6.00	5.55	5.80	5.75	5.37
.500	5.60	6.00	6.32	6.00	5.55	5.68	5.67	5.53
.515	5.70	6.07	6.47	6.03	5.45	5.87	5.97	5.62

Table 11. cont.

J.D. 24 00 000+	V50	V51	V52	V53	V54	V57	V66	V67
29 108.530	5.83	5.98	6.45	6.02	5.43	6.05	6.05	5.72
.544	5.92	-	6.25	6.00	5.43	5.97	6.00	5.85
.558	5.85	5.94	5.80	6.03	5.55	6.03	6.10	5.80
29 109.474	5.98	5.39	6.50	6.07	5.80	5.43	5.88	6.17
.488	6.05	5.35	6.30	6.12	5.75	5.55	5.75	6.04
.500	6.13	5.28	6.40	6.10	5.82	5.57	-	6.08
.513	6.20	5.24	6.50	6.00	6.05	5.70	5.65	6.08
.526	6.13	5.45	6.29	5.99	6.03	5.73	5.62	6.14
.540	6.20	5.46	6.65	5.80	-	6.00	5.70	6.18
.553	6.17	5.76	6.60	5.85	6.10	5.75	5.60	6.05
29 110.435	6.00	-	5.85	5.64	5.73	5.48	-	5.78
.449	6.00	-	-	5.82	5.70	5.65	6.10	5.95
29 113.423	6.05	5.78	6.39	5.90	5.60	5.90	5.90	5.79
.440	6.00	5.76	6.19	5.78	5.70	5.95	5.85	5.85
.454	-	5.72	6.35	5.94	5.62	-	5.77	5.83
.467	-	-	6.42	6.00	5.55	-	5.82	6.09
.482	-	5.77	6.35	5.91	5.67	6.00	5.90	5.92
.496	-	5.61	6.35	-	-	-	6.15	6.01
.510	5.50	5.62	6.45	6.08	5.80	-	-	5.82
29 114.423	5.55	6.07	5.74	6.23	5.83	5.85	5.60	5.93
.438	5.50	6.16	5.72	6.00	5.95	5.95	5.63	5.78
.452	5.55	6.12	5.78	6.05	5.90	5.95	5.62	5.68
29 130.385	6.10	6.05	6.40	5.68	6.05	5.45	5.62	5.99
29 131.347	-	5.65	6.30	6.10	5.77	-	-	6.17
.379	5.60	5.75	6.52	6.00	5.65	5.60	6.13	6.25
.393	5.62	5.76	6.36	6.00	5.60	5.52	6.13	6.11
.408	5.57	5.82	6.40	5.97	5.62	5.52	6.13	6.05
.449	5.50	5.88	6.50	5.88	5.80	5.52	-	6.09
.463	5.80	6.12	6.37	5.78	5.70	5.50	5.85	6.00
.476	5.60	6.05	6.54	5.75	5.90	5.50	5.90	6.00
.491	5.60	6.15	6.27	5.70	6.10	5.53	-	6.23
.505	5.75	6.15	6.30	5.75	6.10	5.72	5.60	6.06
29 132.371	5.85	5.94	6.14	5.65	-	6.03	5.68	5.50
.385	6.00	6.02	6.10	5.62	-	6.02	-	5.48
.398	6.05	5.90	6.34	5.61	6.05	5.93	5.73	5.65
.411	5.95	5.90	6.14	5.40	6.00	5.85	5.83	5.40
.424	6.10	5.68	6.26	5.58	6.00	5.62	5.90	5.83
.434	5.93	5.70	-	5.60	5.78	5.45	6.02	5.50
29 138.441	6.17	5.55	6.61	6.02	5.80	5.52	5.80	5.60
.458	6.20	5.41	6.66	5.90	5.60	5.55	5.85	5.66
.471	6.20	5.46	6.20	6.00	5.70	-	5.97	5.75
.484	6.20	5.60	6.20	5.96	5.65	5.55	5.93	5.75
.495	6.15	5.72	5.66	5.86	5.62	5.72	6.05	5.93
29 141.362	6.00	5.94	6.09	5.88	5.55	6.00	5.70	6.05
.375	5.93	5.94	5.69	5.83	5.52	6.05	5.65	5.98
.388	6.02	5.98	5.36	5.75	5.48	6.10	5.60	6.15
.403	6.17	6.10	5.32	5.59	5.60	6.10	5.60	6.08
.416	6.18	-	5.37	5.75	5.67	6.15	5.70	6.11
.429	6.13	6.06	5.41	5.60	5.47	6.08	5.68	6.07
.444	6.08	6.11	5.55	5.60	5.73	6.05	5.65	5.95

Table II. cont.

J.D. 24 00 000+	V50	V51	V52	V53	V54	V57	V66	V67
29 141.456	6.20	6.03	5.56	5.60	5.77	6.03	5.62	6.13
.469	6.13	5.94	5.72	5.49	5.85	6.12	5.63	6.00
.482	6.17	6.12	5.68	5.68	5.90	6.10	5.77	6.09
.495	6.15	6.09	5.74	5.65	5.80	6.00	5.65	6.08
29 159.356	6.00	6.29	5.94	5.76	5.62	5.70	6.00	6.14
.370	6.10	6.30	6.06	5.67	5.60	5.57	5.93	5.90
.383	5.95	6.29	5.82	5.86	5.67	5.57	5.97	5.86
.396	5.80	5.96	6.12	5.94	5.72	5.48	5.95	5.68
29 160.342	5.55	5.77	6.30	6.20	6.05	6.10	5.60	6.02
.354	5.62	5.85	6.14	6.06	6.00	5.98	5.58	5.88
.367	5.53	5.90	5.76	6.12	5.92	5.85	5.60	5.81
.380	5.67	5.80	5.46	5.98	5.85	5.70	5.60	6.03
.394	5.65	5.86	5.40	6.06	6.00	5.57	5.63	6.05
.409	5.87	5.97	5.42	6.05	5.90	-	5.65	6.05
29 161.344	6.05	6.08	6.58	5.45	5.52	6.15	6.10	6.14
.357	5.93	6.15	6.43	5.48	5.55	6.10	6.13	6.13
.372	6.12	5.96	6.57	5.50	5.55	6.12	6.10	6.04
.386	6.10	6.10	6.50	5.62	5.53	6.12	6.05	6.01
.399	6.05	6.06	6.47	5.50	5.53	6.10	6.05	6.00
29 162.325	6.05	-	6.26	5.95	-	5.98	-	5.78
.339	6.05	5.63	6.20	5.96	5.92	6.00	5.60	5.85
.352	6.05	5.76	6.45	6.02	6.02	6.00	5.65	5.87
.365	6.05	5.95	6.35	6.03	5.95	6.07	5.80	5.88
.378	5.65	5.92	6.44	5.96	6.05	6.00	6.02	5.89
.392	5.60	5.94	6.45	6.11	5.95	6.12	5.97	5.86
29 166.399	6.00	5.95	6.26	5.50	6.02	5.50	5.60	6.09
29 167.353	6.10	6.08	5.51	6.00	5.55	5.80	5.93	6.14
.366	6.15	5.78	5.71	6.01	5.62	5.72	5.95	6.17
.378	6.10	5.72	5.75	6.02	5.65	5.67	6.05	6.19
.391	6.10	5.55	5.76	5.92	5.70	5.60	6.05	6.18
29 187.274	5.90	5.70	6.34	6.03	5.60	5.75	5.60	5.77
.305	5.95	5.66	6.40	6.03	5.62	5.58	5.58	5.61
.318	5.95	5.72	6.41	6.04	5.62	5.55	5.70	5.83
.331	6.10	5.40	6.34	6.14	5.50	5.50	5.63	5.71
29 518.315	5.53	5.36	6.36	5.80	5.95	5.90	6.20	5.78
.336	5.75	5.19	6.23	5.66	5.97	6.00	6.15	5.90
.349	5.90	5.26	6.30	5.63	-	6.00	6.08	5.92
.362	5.90	5.40	6.41	5.63	5.90	-	6.13	5.91
.375	6.00	5.47	6.39	5.64	6.05	-	6.00	5.96
29 519.455	-	5.52	6.35	5.95	-	-	6.13	5.98
29 520.313	-	5.46	6.01	5.83	5.98	5.70	5.83	5.91
.327	5.95	5.33	6.07	5.73	6.00	5.80	5.80	5.88
.339	5.93	5.55	6.14	5.66	-	5.75	5.75	5.78
.352	5.67	5.32	6.14	5.62	6.00	6.00	5.70	5.62
.363	5.67	5.28	6.12	5.66	5.93	6.02	5.60	5.68
.376	5.60	5.25	6.13	5.72	6.03	6.07	5.68	5.88
29 546.266	5.77	5.94	6.25	5.91	6.00	5.95	5.83	5.85
.279	5.70	5.96	6.30	5.87	6.10	6.05	5.92	5.78
29 870.406	6.10	5.80	6.50	5.83	6.00	6.15	-	6.10
29 877.369	6.05	6.12	6.35	5.45	5.50	6.05	5.62	5.99

Table II. cont.

J.D. 24 00 000+	V50	V51	V52	V53	V54	V57	V66	V67
29 877.381	6.05	6.16	6.34	5.43	5.60	5.95	5.60	6.11
.394	6.17	6.16	6.37	5.57	5.70	6.05	5.72	5.94
.453	5.58	6.19	6.39	5.78	5.65	5.85	5.85	5.99
.481	5.70	6.07	6.50	5.85	5.80	5.77	5.95	6.12
.499	5.72	5.86	6.31	5.89	5.87	5.45	6.05	6.08
29 879.309	5.87	5.98	6.01	6.21	5.50	5.45	5.78	5.90
.321	5.80	5.88	5.61	6.20	5.50	5.65	5.68	5.73
.339	6.05	6.00	5.28	5.92	5.48	5.60	5.70	5.83
.372	5.93	6.12	5.49	5.74	5.58	5.77	5.95	5.83
.422	6.10	6.15	5.86	5.54	5.55	5.95	6.05	5.96
.435	6.15	6.18	5.80	5.51	5.68	-	-	5.95
.449	6.05	6.13	5.90	5.49	5.77	5.88	6.03	6.00
30 259.319	5.67	-	5.69	5.78	5.65	5.60	5.62	6.00
.330	5.70	5.96	5.67	5.87	5.50	5.62	5.65	6.00
.340	5.70	6.02	5.78	5.93	5.50	5.55	5.60	6.00
30 260.340	6.08	5.78	6.58	5.86	6.07	5.47	6.10	5.90
.354	6.20	5.82	6.36	5.83	6.05	5.47	6.08	5.88
.372	6.15	5.94	5.81	5.73	6.10	5.45	5.93	5.87
.387	6.15	5.96	5.52	5.58	6.15	5.50	5.78	5.93
.406	5.97	6.05	5.46	5.57	6.00	-	5.77	5.88
.427	5.75	6.11	5.44	5.59	5.87	5.60	5.60	5.94
30 261.309	6.00	6.08	6.54	5.69	5.57	5.85	5.95	6.03
.323	5.88	6.12	6.35	5.57	5.57	5.73	5.83	6.04
.334	5.75	6.14	6.45	5.70	5.55	5.78	5.95	6.06
.344	5.65	6.06	6.39	5.70	5.50	5.65	5.88	6.18
.374	5.60	5.50	6.42	5.77	5.52	5.48	6.12	6.12
.388	5.70	5.62	6.35	5.93	5.70	5.45	6.13	6.17
.402	5.65	5.54	6.47	5.94	5.70	5.45	6.13	6.18
.417	5.85	5.45	6.29	6.04	5.90	5.47	6.03	6.17
.434	5.90	5.47	6.47	6.12	5.80	5.48	6.15	6.16
33 502.437	5.55	5.96	5.93	5.95	6.00	-	5.75	5.66
.484	5.60	6.03	6.16	5.76	5.78	5.57	5.82	5.79
.502	5.77	5.85	6.26	5.64	5.87	5.62	5.88	5.85
.518	5.95	5.64	6.31	5.65	5.70	5.67	5.90	5.89
.532	5.95	5.56	6.28	5.58	5.65	5.67	6.02	5.84
33 858.435	6.00	6.24	6.33	5.92	6.00	5.60	6.00	6.18
.445	-	5.90	6.27	5.96	6.07	5.50	6.17	6.08
.474	-	-	6.27	5.86	6.05	5.60	6.15	5.91
.486	-	6.08	6.37	5.98	5.82	5.62	6.15	5.80
33 861.427	6.10	5.82	6.32	6.11	5.57	6.05	6.00	5.85
.439	-	5.65	6.33	6.15	5.50	-	6.05	5.79
.452	6.00	5.46	5.80	6.10	5.55	6.00	6.15	5.91
.464	6.05	5.60	5.53	6.02	5.60	5.80	6.13	5.87
.477	6.05	5.70	5.43	6.12	5.60	5.60	6.13	5.85
.491	6.20	5.94	5.39	6.01	5.72	5.47	6.22	5.95
.503	6.05	5.90	5.42	5.92	5.68	5.57	6.10	5.99
.517	6.10	5.88	5.61	5.96	5.78	5.57	-	6.03
.531	6.05	5.90	5.60	6.13	5.95	5.53	6.03	6.05
.546	6.20	5.96	5.67	5.98	5.90	5.55	6.03	6.09
.562	6.03	5.90	5.84	5.99	5.92	5.55	5.85	5.89

Table 11. cont.

J.D. 24 00 000+	V50	V51	V52	V53	V54	V57	V66	V67
33 865.378	6.10	5.62	6.40	5.84	5.50	5.43	5.60	5.99
.392	6.10	5.26	6.49	5.75	5.52	5.42	5.60	5.90
.405	6.10	5.49	6.48	5.73	5.50	5.55	5.70	5.73
.418	6.10	5.56	6.54	5.83	5.50	5.55	5.60	5.79
.430	6.00	5.64	6.57	5.74	5.60	5.60	5.65	5.73
.442	5.95	5.72	6.65	5.85	5.53	5.67	5.67	5.94
.456	5.80	5.88	6.32	5.85	5.65	5.68	-	5.89
.468	5.55	5.89	6.47	5.90	5.73	5.80	5.80	5.86
.563	5.95	5.97	5.63	6.04	5.95	6.05	6.05	6.01
.575	5.95	6.16	5.61	6.11	5.97	6.15	6.03	6.12
33 871.454	5.48	5.94	6.02	6.10	5.75	5.80	5.72	5.85
.483	5.57	5.88	6.24	6.05	5.77	6.07	5.60	5.91
.496	5.70	5.90	-	5.93	5.65	6.03	5.62	5.84
.507	5.75	5.78	6.20	5.91	5.65	6.03	5.65	5.63
.518	5.73	5.96	6.35	5.75	5.80	6.15	5.60	5.74
.542	-	6.10	6.30	5.90	5.87	6.00	-	5.75
.555	5.90	6.08	6.35	5.82	5.90	6.10	5.70	5.91
.570	5.95	6.16	6.57	5.87	5.88	6.05	5.63	5.89
.584	6.05	5.95	6.55	5.65	5.95	6.03	5.70	5.92
33 872.446	6.05	6.02	5.49	5.66	6.05	5.60	6.05	6.03
.452	5.85	5.85	5.39	5.85	6.00	5.80	6.17	5.97
.487	5.97	5.79	5.67	5.79	5.92	5.85	6.15	6.00
.500	6.07	5.70	5.79	5.81	5.63	6.00	6.12	6.02
.519	6.12	5.62	5.77	5.97	5.60	6.00	6.10	6.04
.533	6.05	5.76	5.94	5.92	5.55	5.90	6.00	6.01
.546	6.20	5.78	5.89	5.99	5.50	6.00	5.90	6.13
.560	6.00	-	6.04	5.97	5.45	6.05	5.79	6.06
.573	6.05	-	6.10	6.01	5.52	-	5.70	6.02
.586	6.05	5.80	5.99	6.10	5.60	6.00	5.65	6.18
.599	5.95	5.68	6.00	6.00	5.68	-	5.58	6.02
33 881.401	6.05	6.25	6.40	-	-	5.53	5.60	6.13
.413	-	6.29	6.30	-	5.68	5.60	-	6.10
.425	5.90	6.20	6.30	5.82	5.70	5.50	-	6.11
.439	6.00	-	6.35	5.74	5.62	5.50	-	6.10
.451	6.10	6.30	-	5.71	5.65	5.55	-	6.19
.470	6.00	6.29	6.30	5.75	5.73	5.57	5.70	5.90
.483	6.00	6.29	6.36	5.79	5.92	5.55	5.78	5.78
33 884.395	6.10	5.56	6.40	5.67	5.88	6.00	5.55	5.78
.408	6.05	5.72	6.25	5.57	5.97	5.95	5.58	-
.436	-	5.70	6.25	5.75	5.82	-	5.62	5.84
.450	6.05	5.66	6.30	5.59	5.78	6.00	5.72	5.82
.464	6.00	5.70	6.35	5.71	5.88	6.02	5.63	5.94
.478	-	5.56	5.77	5.69	5.67	5.98	-	5.80
.495	-	5.76	5.62	5.77	5.65	-	5.73	5.95
.521	5.80	5.88	5.43	5.99	5.55	5.95	-	6.06
.539	5.70	5.79	5.52	5.94	5.50	5.65	6.05	5.89
.558	5.52	5.90	5.62	5.90	5.60	5.60	6.13	5.83
.574	5.52	5.87	5.72	6.03	5.60	5.48	6.20	5.99
.594	5.48	5.86	5.75	6.03	5.58	5.52	6.05	-
33 887.457	6.00	6.10	5.87	5.93	5.73	5.75	5.55	6.19

Table II. cont.

J.D. 24 00 000+	V50	V51	V52	V53	V54	V57	V66	V67
33 887.478	6.10	6.06	5.79	6.12	5.92	5.80	5.67	6.13
.498	5.87	6.02	5.90	-	5.70	6.00	-	5.93
.511	5.63	6.02	5.90	6.03	5.68	5.98	5.85	6.00
.524	5.55	6.10	5.87	6.00	5.87	6.00	5.65	5.98
33 888.400	5.85	5.80	6.35	6.07	5.90	5.45	-	5.42
.412	5.50	5.70	-	5.90	5.92	5.45	6.08	5.52
.425	5.60	5.55	-	5.81	5.88	5.45	6.12	5.45
.437	5.55	5.60	6.40	5.72	6.05	5.52	6.05	5.46
.461	5.62	5.60	-	5.70	5.80	5.53	-	5.28
.474	5.65	5.70	6.40	5.58	5.72	5.60	-	5.56
.485	5.65	5.65	6.40	5.72	5.70	5.60	-	5.34
33 889.454	6.10	6.12	6.35	5.75	5.62	5.57	6.05	6.00
.472	6.10	6.10	6.40	5.83	5.65	5.60	6.00	5.90
.488	6.08	6.05	6.30	5.85	5.70	5.45	6.10	5.84
.497	5.95	6.16	6.30	5.90	5.70	5.47	-	6.18
.512	5.95	6.10	6.35	6.01	5.70	5.50	6.00	6.09
33 894.380	5.57	5.60	5.90	5.76	-	5.45	-	6.15
.393	5.45	5.38	5.87	5.80	5.98	5.50	5.93	6.21
.408	5.48	5.66	-	5.71	6.15	5.48	6.05	5.72
.420	5.50	5.84	6.05	5.85	6.05	5.52	6.08	5.85
.439	5.75	5.96	6.10	5.75	6.00	5.57	6.15	5.83
33 895.443	6.00	6.03	5.31	6.13	5.60	5.57	5.60	5.68
.457	6.20	6.16	5.39	6.06	5.70	5.55	5.65	5.90
.468	6.20	6.06	5.50	6.04	5.92	5.55	5.67	6.04
.487	6.10	5.70	5.60	6.12	5.80	-	5.75	5.84
.498	-	5.70	5.73	6.00	5.78	5.63	6.02	5.92
.514	6.17	5.58	5.79	5.62	5.90	5.75	6.03	6.00
.526	6.05	5.45	5.85	5.74	5.97	5.83	6.12	6.05
.541	-	5.45	5.89	5.55	5.98	-	-	6.16
34 238.526	6.13	5.40	5.42	6.01	5.70	5.83	6.12	5.78
.539	6.20	5.34	5.44	5.73	5.67	5.65	6.20	5.98
.553	-	5.60	5.40	5.60	5.62	5.87	6.05	5.79
.565	6.10	5.77	5.60	5.84	5.62	5.85	6.13	5.93
.580	-	5.76	5.78	5.90	5.55	-	6.20	5.99
34 241.435	5.98	5.83	5.70	5.70	5.55	6.00	5.80	6.00
.450	6.00	5.94	5.60	5.77	5.72	6.00	5.85	5.96
.463	6.00	5.96	5.68	5.75	5.82	6.10	5.87	5.91
.479	6.05	6.10	5.74	5.64	5.78	5.95	5.95	6.10
.492	6.05	6.12	5.69	5.78	5.63	6.00	-	6.11
34 253.410	6.00	5.90	6.40	5.68	5.65	5.55	5.95	5.52
.446	6.00	5.93	5.96	5.61	5.70	5.45	5.70	5.53
34 254.449	5.60	5.56	6.37	6.07	5.90	5.45	6.15	6.08
.467	5.48	5.60	6.56	6.04	5.80	5.40	6.10	5.91
.484	5.52	5.72	6.52	5.95	5.80	5.50	6.10	6.11
.505	5.65	5.71	6.35	6.05	5.70	5.45	6.08	6.13
.525	5.65	5.85	6.40	5.75	5.50	5.57	-	6.03
34 270.492	6.00	6.08	6.30	5.90	5.55	5.52	-	5.92
.514	-	6.05	6.35	5.90	5.48	5.45	5.70	6.06
34 573.459	6.10	5.70	6.33	5.71	5.55	5.50	-	5.38
.473	6.05	-	6.40	5.60	5.75	5.65	6.10	5.62

Table II. cont.

J.D. 24 00 000+	V50	V51	V52	V53	V54	V57	V66	V67
34 606.527	5.90	5.60	-	5.83	5.57	5.63	6.20	6.05
.541	6.00	5.60	6.23	5.87	5.57	5.52	6.03	5.90
.556	6.17	5.55	6.25	5.83	5.57	5.65	6.08	5.78
.571	6.13	5.55	6.35	5.73	5.55	5.58	6.08	5.85
.586	6.05	5.65	6.33	5.57	5.65	5.60	5.85	5.42
34 945.407	-	6.00	5.46	5.55	5.60	5.65	5.53	6.07
.424	-	5.77	-	5.60	-	-	5.60	5.75
34 949.463	6.12	5.55	5.70	5.72	5.50	5.98	6.10	5.62
35 371.410	6.20	5.63	5.62	5.90	5.65	-	5.65	5.64
.423	6.20	5.70	5.80	5.89	5.70	6.00	-	5.76
.436	6.20	5.63	5.92	5.94	5.72	-	5.60	5.76
.455	6.10	5.65	6.07	5.80	5.62	-	5.60	5.77
35 720.298	5.53	5.70	5.83	5.55	5.72	5.75	6.10	6.08
.315	5.58	5.68	5.92	5.62	5.87	-	-	6.17
.328	5.75	5.55	6.13	5.73	-	6.00	6.08	6.25
.344	5.78	5.50	6.05	5.81	5.95	5.98	6.05	6.18
.356	-	5.50	6.03	5.60	-	6.10	6.00	6.20
.369	5.70	5.62	6.27	5.81	6.00	6.05	5.78	6.09
.381	5.85	5.55	6.27	5.67	6.05	-	5.80	6.08
.394	6.07	5.70	6.20	5.90	6.10	6.05	5.65	6.26
35 725.327	5.55	-	5.70	5.77	5.63	5.85	5.60	5.70
.377	5.50	6.05	5.48	5.91	5.67	5.47	-	5.58
.419	5.87	5.95	5.72	6.05	5.70	5.50	-	5.45
.432	5.87	5.97	5.74	6.12	-	5.70	5.85	5.72
.445	5.88	5.68	5.77	6.01	5.57	-	5.80	5.67
.457	5.85	5.80	5.92	6.01	-	5.52	5.90	5.81
.495	6.00	5.80	6.00	6.22	5.80	5.63	5.95	6.00
.507	6.05	5.65	6.14	5.92	-	5.68	-	5.94
.519	6.20	5.58	6.12	5.94	-	5.89	6.08	5.80
.531	6.10	5.57	6.22	5.91	5.80	5.78	6.05	5.89
36 068.496	5.75	5.75	5.90	5.72	6.08	-	6.10	6.05
.514	5.80	5.80	5.96	5.67	5.92	5.70	6.15	6.12
.528	5.90	-	5.90	5.66	5.95	5.65	-	6.10
.543	-	5.90	5.95	5.71	5.80	5.85	6.10	6.20
36 073.380	6.10	5.93	6.40	5.84	5.65	5.70	6.10	5.94
.393	6.17	6.00	6.42	5.74	5.65	5.68	6.08	5.98
.406	6.00	6.05	6.45	5.73	5.62	5.70	-	5.88
.419	-	6.15	6.58	5.58	5.55	5.73	6.00	5.88
.432	6.00	6.15	6.54	5.60	5.57	5.65	6.05	5.90
.446	5.90	6.20	6.40	5.70	5.55	5.75	6.10	6.02
.459	5.85	6.10	6.55	5.62	5.55	5.95	6.12	-
.473	5.55	6.20	6.42	5.59	5.60	5.95	6.10	6.11
.486	5.45	6.15	6.40	5.70	5.70	5.90	6.10	6.05
.500	5.50	6.15	6.52	5.48	5.75	-	6.10	6.20
36 074.381	-	5.58	6.06	5.43	5.90	5.62	5.67	6.15
.394	5.55	5.62	6.24	5.45	5.90	5.50	5.70	-
.406	5.60	5.55	6.34	5.62	6.00	5.45	5.70	6.10
.420	5.65	5.57	6.35	5.69	6.00	5.48	5.70	6.08
.434	-	5.52	6.19	5.70	6.10	-	5.68	6.16
.447	5.90	5.62	6.21	5.76	6.00	5.70	5.80	6.06

Table 11. cont.

J.D. 24 00 000+	V50	V51	V52	V53	V54	V57	V66	V67
36 074.460	5.90	5.75	6.42	5.78	6.10	5.75	5.85	5.98
.473	6.00	5.60	6.45	5.89	6.00	5.73	5.88	5.92
.486	5.95	5.65	6.38	5.89	6.05	5.85	5.97	5.92
.500	6.03	5.85	6.48	5.95	6.05	5.88	6.05	5.91
.513	6.03	5.75	6.46	5.92	6.00	5.93	6.13	5.82
.526	6.15	6.00	6.58	6.06	5.88	6.10	6.10	5.91
38 259.416	5.90	6.00	6.03	5.96	5.77	-	5.60	5.55
.473	5.45	-	6.18	5.99	-	-	5.75	5.95
.493	5.45	-	6.27	6.10	-	-	-	5.95
38 268.472	5.85	5.70	5.30	5.70	6.10	6.12	5.62	-
.487	5.90	-	5.40	5.70	6.10	6.03	5.60	6.25
.502	6.02	5.60	5.44	5.80	6.08	6.10	5.60	6.08
.518	6.07	5.65	5.58	5.95	6.10	6.12	5.70	6.25
.531	-	5.80	5.60	5.90	6.10	6.08	5.72	6.13
.544	6.12	5.68	5.72	5.92	6.10	6.12	5.70	6.05
.558	6.10	5.85	5.60	5.98	5.85	6.08	5.75	6.16
.572	6.20	5.75	5.80	6.08	5.90	6.07	5.63	6.06
.586	5.98	5.80	5.88	6.00	5.80	6.03	5.87	6.09
.601	6.00	6.10	5.87	5.90	5.70	6.00	5.90	6.13
38 289.280	5.60	6.00	5.66	6.01	6.15	5.65	6.02	5.63
.304	5.72	5.90	5.82	6.09	6.20	5.50	5.90	5.50
.325	5.93	5.95	6.06	6.16	5.90	5.48	5.67	5.52
.346	6.00	6.05	6.10	6.06	5.95	5.50	5.60	5.63
.373	-	6.00	-	5.81	5.63	5.53	5.65	5.65
.402	6.00	6.00	6.16	5.68	5.60	6.00	5.62	5.74
.420	6.00	6.00	6.28	5.57	5.60	5.97	5.70	5.97
.466	6.05	5.65	6.46	5.46	5.60	6.00	5.92	6.00
.482	6.10	5.60	6.53	5.54	5.68	6.05	5.78	6.22
.506	6.05	5.55	6.36	5.43	5.60	6.05	5.82	6.06
.522	5.85	5.62	6.40	5.57	5.70	6.10	5.90	6.17
.547	5.55	5.60	6.44	5.80	5.80	6.10	6.00	6.25
.560	5.43	5.62	6.62	5.77	5.90	5.80	6.17	6.15
.574	5.40	5.72	6.44	5.70	5.77	-	6.03	6.25
39 350.467	6.00	6.10	6.45	5.66	-	6.05	5.63	6.25
.483	5.95	-	6.40	5.67	-	5.80	-	6.22
.496	6.00	5.75	6.55	5.83	6.10	5.85	-	6.12
.522	-	5.70	6.39	5.70	6.10	5.72	-	6.09
.535	-	-	6.39	-	-	5.45	5.85	6.10
39 351.498	6.00	-	6.36	6.07	-	6.10	5.60	5.90
.512	5.80	5.90	6.49	6.04	5.73	6.00	5.72	6.00
.524	5.65	-	6.26	6.00	-	5.95	5.60	6.20
.536	5.53	5.90	6.42	6.09	5.55	6.00	5.65	6.00
39 355.445	-	5.70	6.31	-	5.55	5.70	-	-
.460	5.50	5.90	6.45	5.78	-	5.60	5.81	5.88
.474	5.48	5.85	6.49	5.68	5.50	5.55	-	5.65
.490	5.60	6.15	6.25	5.72	5.60	5.57	5.92	5.57
.504	5.70	6.20	6.48	5.84	5.50	5.55	6.05	5.83
.520	5.75	6.15	6.27	5.87	5.70	5.70	6.00	5.58
.533	-	-	-	5.89	5.60	-	-	-

Table II. cont.

J.D. 24 00 000+	V74	V96	V97	V101	V103	V104	V105
28 752.540	5.45	5.87	5.68	5.84	5.82	6.55	6.47
28 754.394	-	-	-	6.22	5.91	-	-
.436	6.12	5.86	6.15	6.22	5.97	-	-
.485	6.10	5.96	6.20	6.08	6.15	6.30	-
.502	6.16	-	6.15	-	6.45	6.40	-
.521	6.15	5.94	6.25	5.84	6.18	6.34	6.90
28 758.463	5.18	5.99	6.15	6.04	6.36	5.58	-
.485	5.26	-	6.20	-	6.45	5.75	-
28 760.406	6.18	-	6.08	6.32	6.40	-	5.75
.443	6.16	-	5.98	6.19	6.02	-	5.65
28 774.392	6.13	5.62	6.10	6.30	6.34	6.38	6.85
28 775.379	5.50	6.20	6.10	5.79	5.84	6.50	-
.396	5.52	6.18	6.11	5.95	5.91	6.30	6.50
.411	5.68	6.30	6.23	6.08	6.08	6.25	6.58
.426	5.85	6.33	6.29	6.09	6.22	5.92	6.82
.440	5.90	6.29	6.30	5.94	6.16	6.05	6.70
.456	5.98	6.14	5.99	6.13	6.42	6.05	6.85
.471	6.10	5.87	5.87	6.10	6.34	6.05	-
28 776.367	6.09	5.87	5.88	6.30	5.81	5.97	6.75
.383	6.00	5.92	5.72	6.33	5.72	5.97	6.20
.397	6.04	5.85	5.90	6.40	5.80	5.98	5.90
.411	6.10	5.98	6.02	6.33	5.78	6.35	5.81
.427	6.08	5.84	6.01	6.24	5.77	6.20	5.92
.442	6.16	6.02	6.01	6.26	5.81	6.05	5.73
.456	6.09	6.12	6.02	6.26	5.82	6.28	6.18
.474	6.10	6.13	6.12	6.22	6.09	6.28	6.12
28 779.392	6.20	6.22	6.16	6.00	5.88	6.38	6.47
.411	6.00	6.35	6.34	5.72	6.05	6.39	6.60
.437	6.16	-	6.40	5.82	-	6.45	6.55
28 780.376	5.50	5.63	5.78	6.40	5.93	6.15	6.37
.396	5.25	5.79	5.76	6.32	5.92	6.05	5.62
.422	5.40	5.93	5.69	6.36	5.79	6.05	5.85
28 783.406	5.86	5.84	5.96	6.02	5.75	6.00	6.64
.429	5.85	5.87	5.99	6.01	5.76	5.89	6.55
.449	5.96	5.86	6.07	6.08	5.75	5.91	6.70
28 837.251	5.65	6.50	6.46	6.27	6.08	5.95	6.72
.265	5.90	6.49	6.45	6.24	6.02	5.97	6.78
.279	5.86	6.49	6.43	6.31	-	5.90	6.95
.293	6.10	6.15	6.32	6.22	6.05	6.10	6.75
.307	6.06	6.14	6.32	6.29	6.24	6.08	6.95
.325	5.94	-	6.22	6.08	6.35	6.02	6.95
29 107.517	5.52	6.40	6.20	-	5.81	6.35	6.82
.531	5.54	6.12	6.36	6.30	5.81	-	6.95
.544	5.80	6.22	6.26	6.07	5.92	6.35	6.95
.558	5.94	6.43	6.32	6.06	6.24	-	6.95
.570	5.96	6.06	6.20	5.78	5.96	6.33	6.95
29 108.470	6.10	5.47	5.21	5.78	6.05	6.20	-
.485	5.96	5.49	5.49	5.78	5.78	6.30	6.80
.500	5.89	5.62	5.65	5.85	5.74	5.90	6.78
.515	6.05	5.60	5.74	5.94	5.69	5.87	6.79

Table II. cont.

J.D. 24 00 000+	V74	V96	V97	V101	V103	V104	V105
29 108.530	5.98	5.68	5.81	6.06	5.72	5.75	6.80
.544	6.04	5.73	5.90	-	5.76	5.60	6.80
.558	6.00	5.80	5.93	6.08	5.74	5.74	6.58
29 109.474	6.16	-	6.29	-	6.29	5.91	6.12
.488	6.10	6.18	6.27	6.29	6.41	5.82	6.14
.500	6.02	6.14	6.33	6.27	6.22	-	6.35
.513	5.80	6.29	6.20	6.26	6.45	6.35	6.52
.526	5.65	6.30	6.19	-	6.32	6.20	6.42
.540	5.46	6.39	6.16	6.04	6.23	6.38	6.60
.553	5.30	6.40	6.18	5.75	6.10	6.32	6.62
29 110.435	5.53	5.72	5.58	5.69	5.76	-	6.90
.449	-	-	5.75	-	-	-	-
29 113.423	5.40	6.49	5.86	6.31	5.80	6.34	5.90
.440	5.79	6.47	5.92	6.40	5.90	6.34	5.95
.454	5.76	-	5.93	-	5.95	6.32	5.92
.467	5.90	-	5.92	6.24	6.05	6.25	-
.482	5.75	-	5.91	6.40	6.06	5.85	6.18
.496	5.96	-	5.98	-	-	5.65	-
.510	6.17	-	5.90	6.40	-	5.84	-
29 114.423	6.16	5.92	6.34	5.75	5.73	5.93	6.75
.438	5.96	5.70	6.21	5.72	5.72	5.96	6.95
.452	6.00	5.80	6.24	5.70	5.74	6.12	6.90
29 130.385	6.25	-	6.25	5.80	5.99	6.35	6.95
29 131.347	-	6.36	5.70	6.04	5.80	5.82	6.72
.379	6.20	6.42	5.50	6.16	5.69	5.52	6.95
.393	6.02	-	5.19	6.16	5.74	5.67	6.95
.408	6.08	-	5.19	6.14	5.77	5.75	6.85
.449	5.80	-	5.42	6.22	5.82	5.93	6.87
.463	-	-	5.80	-	5.92	5.92	6.95
.476	-	5.91	5.87	6.22	6.02	6.04	6.90
.491	5.65	-	5.92	6.40	5.94	6.02	6.86
.505	5.80	5.94	5.90	6.40	6.06	6.15	6.70
29 132.371	5.70	5.91	6.12	6.26	6.23	6.35	6.22
.385	5.68	5.94	6.04	6.03	6.10	6.38	6.35
.398	5.88	6.12	6.17	6.02	6.22	6.25	6.42
.411	5.70	6.23	6.22	-	5.91	6.45	6.58
.424	5.84	6.24	6.24	-	5.78	6.35	6.70
.434	5.95	-	6.15	5.74	5.91	-	-
29 138.441	6.20	6.43	5.75	5.79	5.89	5.90	6.95
.458	6.18	6.30	5.56	5.74	5.77	5.87	6.95
.471	6.18	6.35	5.84	5.71	5.74	5.95	6.82
.484	6.20	6.40	5.81	5.68	5.96	6.01	6.75
.495	6.18	6.44	5.86	5.75	6.16	5.90	6.25
29 141.362	6.10	5.49	6.10	6.03	5.81	5.82	5.76
.375	6.12	5.60	6.02	6.18	5.80	5.82	5.72
.388	6.16	5.79	6.06	6.06	5.84	5.92	5.56
.403	6.15	5.71	6.15	6.07	5.87	6.07	5.55
.416	6.20	5.75	6.18	6.05	6.01	6.05	5.76
.429	6.19	5.80	6.17	6.24	6.05	6.10	5.90
.444	6.10	5.91	6.20	6.40	5.95	6.01	5.95

Table II. cont.

J.D. 24 00 000+	V74	V96	V97	V101	V103	V104	V105
29 141.456	6.05	5.93	6.19	6.29	6.20	6.05	5.92
.469	6.06	5.85	6.24	6.23	6.32	6.10	6.03
.482	5.86	5.87	6.32	6.22	6.16	6.20	6.12
.495	5.78	5.99	6.16	6.40	6.35	6.32	-
29 159.356	-	6.14	5.88	5.91	5.72	6.36	6.85
.370	6.14	6.18	5.91	5.77	5.78	6.37	6.78
.383	6.12	6.12	5.94	5.95	5.74	6.38	6.73
.396	6.08	6.11	5.93	6.06	5.76	6.33	6.85
29 160.342	6.20	6.12	6.35	6.28	6.42	5.70	-
.354	6.18	5.94	6.38	6.30	6.38	5.75	6.22
.367	6.18	5.87	6.34	6.21	6.29	5.74	6.35
.380	6.20	5.80	6.15	6.15	6.17	5.85	6.36
.394	6.16	5.80	6.15	5.88	6.12	5.84	6.37
.409	6.25	5.65	6.25	5.78	5.86	5.87	6.55
29 161.344	5.52	5.94	5.36	5.87	6.17	6.22	6.12
.357	5.60	5.94	5.37	6.00	6.24	6.23	5.85
.372	5.55	6.10	5.26	6.07	6.37	6.22	5.80
.386	5.35	6.18	5.35	6.08	6.40	-	5.59
.399	5.40	6.20	5.70	6.12	6.30	6.15	5.73
29 162.325	6.16	6.14	6.10	6.25	5.80	6.28	6.75
.339	6.10	6.19	-	6.30	5.76	6.08	6.78
.352	6.14	6.13	6.30	6.32	5.72	5.98	6.77
.365	6.16	6.15	6.12	6.24	5.85	5.70	6.77
.378	6.18	6.12	6.16	6.39	5.82	5.78	6.75
.392	6.18	5.97	6.20	6.24	5.94	5.85	6.82
29 166.399	5.62	5.93	5.85	6.01	5.71	6.13	6.85
29 167.353	5.90	6.42	6.18	5.81	6.35	5.89	6.80
.366	5.87	6.30	6.30	5.80	6.36	5.70	6.70
.378	5.84	6.29	6.24	6.04	6.14	5.82	6.80
.391	5.94	6.33	6.29	6.00	5.86	5.79	6.95
29 187.274	6.18	-	6.06	5.69	6.05	5.95	-
.305	6.20	-	6.00	5.78	5.74	6.00	6.70
.318	6.16	-	5.98	5.74	5.82	6.04	6.79
.331	6.18	6.00	5.96	5.80	5.69	5.91	6.80
29 518.315	5.52	5.49	6.20	6.06	6.01	5.98	6.17
.336	5.45	5.55	6.20	5.92	5.98	5.95	5.90
.349	5.34	5.60	6.18	5.84	5.87	5.92	5.63
.362	5.25	5.63	6.30	5.76	5.88	5.89	5.81
.375	5.40	5.67	6.43	5.78	5.77	6.05	6.05
29 519.455	6.15	5.79	6.10	6.18	5.73	6.00	6.18
29 520.313	6.16	5.80	6.30	6.05	5.94	5.82	6.90
.327	6.18	5.75	6.29	5.84	5.96	5.80	6.88
.339	6.17	5.86	6.31	6.06	6.00	5.71	6.87
.352	6.05	5.85	6.10	5.84	6.14	5.74	6.86
.363	5.96	5.90	6.20	5.84	6.15	5.82	6.87
.376	5.88	5.94	6.29	5.82	6.14	5.90	6.85
29 546.266	6.02	6.05	6.33	6.20	6.36	6.27	6.87
.279	6.00	6.14	6.39	6.10	6.35	6.35	6.65
29 870.406	6.05	-	6.15	6.30	5.68	5.64	6.65
29 877.369	5.80	6.14	6.25	5.91	5.83	6.12	-

Table II. cont.

J.D. 24 00 000+	V74	V96	V97	V101	V103	V104	V105
29 877.381	5.70	6.12	6.24	5.78	5.72	6.00	-
.394	5.56	6.02	6.32	5.88	5.69	5.99	-
.453	5.54	5.88	6.30	5.88	5.73	5.90	6.90
.481	5.74	5.85	6.10	5.79	5.79	5.89	6.88
.499	5.80	5.91	6.05	5.84	5.92	5.99	6.75
29 879.309	6.05	6.22	5.79	6.26	5.79	6.20	5.73
.321	6.10	6.15	5.76	6.06	5.83	6.12	5.80
.339	6.08	5.95	5.90	5.96	5.96	6.22	5.83
.372	6.16	5.87	5.85	5.84	5.96	6.10	5.81
.422	6.17	5.85	5.95	5.83	6.29	5.93	6.18
.435	6.04	5.63	6.01	5.80	6.09	5.92	-
.449	5.90	5.60	6.06	5.77	6.12	5.85	6.25
30 259.319	5.65	6.47	6.43	5.54	5.81	6.32	6.53
.330	5.72	6.47	6.29	5.57	5.79	6.22	6.57
.340	5.90	6.43	6.30	5.73	5.84	6.15	6.50
30 260.340	6.02	5.87	5.89	6.36	5.75	5.96	5.93
.354	6.10	5.94	5.94	6.28	5.73	5.92	6.18
.372	6.10	5.98	5.96	6.22	5.72	6.05	6.28
.387	-	5.93	6.18	6.22	5.70	6.17	6.03
.406	6.04	5.91	6.21	6.08	5.72	6.21	6.36
.427	-	5.87	6.30	6.00	5.69	6.33	6.38
30 261.309	5.54	6.47	6.18	5.89	6.38	-	6.85
.323	5.50	6.35	6.29	5.78	6.36	6.50	6.91
.334	5.56	6.18	6.38	-	6.40	6.30	6.84
.344	5.40	6.29	6.39	5.78	6.35	6.31	6.85
.374	5.46	6.31	6.43	5.88	6.42	6.20	6.95
.388	5.76	6.29	6.43	5.78	6.42	6.30	6.35
.402	5.90	-	6.43	5.88	6.43	6.30	5.87
.417	5.88	6.00	6.37	6.08	6.10	6.12	5.74
.434	5.97	5.98	6.38	6.02	5.88	6.13	5.75
33 502.437	5.68	6.22	5.86	6.06	5.83	5.93	6.95
.484	5.98	5.91	6.04	5.71	6.00	5.88	6.95
.502	5.96	5.82	6.08	5.82	5.96	5.92	-
.518	6.08	5.70	6.10	5.75	6.24	5.82	6.95
.532	6.16	5.70	6.10	5.76	6.26	5.95	6.95
33 858.435	5.70	-	6.29	5.78	5.71	6.13	6.77
.445	5.55	-	6.18	5.93	5.72	6.08	-
.474	5.30	-	6.25	6.03	5.74	6.17	-
.486	5.45	-	6.25	6.18	5.78	6.38	6.87
33 861.427	5.40	-	6.43	6.21	5.80	6.39	5.75
.439	5.52	-	6.20	6.26	5.68	6.34	5.65
.452	5.54	6.43	6.44	6.29	5.80	6.50	5.78
.464	5.60	6.41	6.40	6.22	5.80	6.50	5.97
.477	5.63	-	6.30	6.25	5.74	6.35	5.98
.491	-	-	6.10	6.11	5.89	6.39	5.98
.503	6.05	-	5.94	6.12	5.86	6.37	6.30
.517	6.08	6.42	5.78	5.95	5.96	6.30	6.30
.531	5.97	6.40	5.68	5.92	6.12	6.38	6.35
.546	5.88	6.43	5.34	5.80	6.08	6.50	-
.562	5.90	6.41	5.18	5.86	6.22	6.30	6.58

Table II. cont.

J.D. 24 00 000+	V74	V96	V97	V101	V103	V104	V105
33 865.378	6.05	-	6.45	6.20	6.08	5.94	-
.392	6.08	6.23	6.30	6.15	5.98	5.88	-
.405	6.08	6.13	6.35	6.15	5.77	-	6.15
.418	6.15	-	6.25	6.15	5.74	5.93	5.92
.430	6.10	6.25	6.29	6.13	5.79	5.98	5.57
.442	6.07	6.30	6.29	6.10	5.72	5.92	5.75
.456	6.16	6.36	6.38	6.18	-	5.91	5.83
.468	6.16	6.40	6.16	6.10	5.70	6.10	6.05
.563	-	5.87	6.20	5.78	5.81	6.38	6.41
.575	5.45	5.85	6.16	5.58	6.08	6.33	6.38
33 871.454	5.60	-	5.88	6.15	5.93	6.32	-
.483	5.30	6.30	5.90	6.12	6.19	6.39	6.82
.496	5.50	6.18	5.89	6.15	6.16	6.38	6.90
.507	5.55	5.91	5.96	6.10	6.34	6.15	6.95
.518	5.60	-	5.97	6.14	6.26	6.14	6.95
.542	5.76	-	6.09	6.00	-	6.05	-
.555	5.88	-	6.10	5.95	6.38	5.94	6.95
.570	5.70	-	6.08	5.95	6.19	5.93	6.95
.584	5.78	5.84	6.16	6.03	6.32	5.79	6.90
33 872.446	5.80	5.80	6.25	-	5.72	5.93	6.37
.452	5.88	5.83	6.25	-	5.75	5.85	6.55
.487	5.94	5.85	6.24	6.08	5.92	-	6.85
.500	6.08	6.05	6.24	6.06	5.71	5.87	6.85
.519	6.16	6.14	6.20	6.09	5.79	6.00	-
.533	6.12	6.18	6.29	6.21	5.81	6.07	-
.546	6.12	6.20	6.26	6.10	5.81	5.93	-
.560	6.10	6.24	6.31	6.26	6.05	5.98	-
.573	6.08	6.25	6.29	6.24	6.04	6.19	-
.586	6.16	6.29	6.38	-	6.12	6.38	-
.599	6.14	6.40	6.43	6.30	6.15	6.32	-
33 881.401	-	-	6.24	6.30	6.09	6.50	6.03
.413	6.09	-	6.28	6.23	6.01	6.30	5.81
.425	6.10	-	6.31	6.32	6.02	-	-
.439	-	-	6.37	-	6.17	6.26	5.85
.451	6.16	5.63	6.32	6.21	6.17	6.18	5.85
.470	6.16	5.70	6.24	6.22	6.35	6.20	6.14
.483	6.18	5.75	6.30	6.26	6.12	6.15	6.15
33 884.395	6.10	6.25	6.25	5.89	6.17	5.93	6.30
.408	6.10	6.30	6.15	5.92	6.26	5.82	6.30
.436	6.06	6.33	6.10	5.85	6.25	5.55	6.45
.450	6.00	6.32	6.06	5.79	6.35	5.76	-
.464	5.98	-	5.96	-	6.08	5.58	6.82
.478	5.40	-	5.72	5.90	6.39	5.69	-
.495	5.25	-	5.68	-	6.15	5.76	-
.521	5.40	-	5.70	6.04	6.05	5.90	6.95
.539	5.60	-	5.28	6.09	6.11	6.14	6.85
.558	5.56	-	5.32	6.25	5.78	6.05	-
.574	5.88	6.14	5.18	6.36	5.78	6.19	6.85
.594	5.96	5.93	5.18	6.22	5.70	6.22	-
33 887.457	5.56	-	5.96	6.22	6.09	6.07	6.82

Table II. cont.

J.D. 24 00 000+	V74	V96	V97	V101	V103	V104	V105
33 887.478	5.40	-	5.90	6.18	6.08	-	-
.498	-	-	5.94	6.16	5.84	6.28	-
.511	5.48	-	5.98	-	5.73	6.30	-
.524	5.76	-	5.97	6.05	5.68	6.32	-
33 888.400	5.64	-	6.25	5.76	6.04	-	6.50
.412	5.62	-	6.17	5.77	6.02	-	6.43
.425	5.72	6.18	6.15	5.69	6.23	6.30	-
.437	5.92	-	6.20	5.75	6.05	6.25	6.55
.461	6.08	-	6.16	5.79	-	-	6.45
.474	6.05	-	6.15	5.80	6.31	6.27	6.58
.485	6.14	6.19	6.20	5.85	6.20	6.28	-
33 889.454	6.05	5.79	5.70	-	5.91	5.78	6.18
.472	6.12	5.73	5.70	-	5.75	5.93	6.22
.488	6.10	5.76	5.77	6.26	5.95	6.00	6.22
.497	6.08	5.67	5.88	6.39	6.13	5.87	6.20
.512	5.40	-	5.91	6.06	6.11	5.99	6.40
33 894.380	6.02	-	5.72	5.70	6.06	5.85	6.75
.393	6.05	-	5.95	5.69	6.27	5.61	-
.408	6.08	6.10	5.97	5.53	6.42	5.75	6.80
.420	6.10	-	6.00	5.80	-	5.90	-
.439	6.08	-	6.05	5.68	6.12	5.87	-
33 895.443	5.56	5.84	6.28	-	6.08	6.50	-
.457	5.60	5.87	6.30	6.29	6.19	6.38	-
.468	5.30	5.91	6.35	6.30	6.06	-	-
.487	5.40	6.00	6.32	6.30	6.16	6.50	-
.498	5.55	5.87	6.38	-	6.18	6.45	6.80
.514	5.50	6.02	6.25	6.24	-	6.40	-
.526	5.55	6.18	6.39	6.05	6.29	6.18	-
.541	5.75	6.14	6.15	-	6.25	-	-
34 238.526	5.80	6.31	6.02	6.25	5.73	6.11	6.65
.539	5.53	6.25	6.00	6.32	5.74	6.03	6.58
.553	5.45	6.38	6.08	6.25	5.94	6.10	6.71
.565	-	-	6.10	6.05	5.95	5.92	-
.580	5.65	-	6.16	6.11	6.14	5.97	6.60
34 241.435	6.00	5.75	6.19	5.80	5.74	6.22	6.60
.450	5.88	5.79	-	5.90	5.84	6.12	-
.463	5.77	5.91	-	5.78	5.72	6.08	-
.479	5.40	5.87	-	5.95	5.80	6.08	-
.492	5.40	5.86	6.10	-	5.86	-	-
34 253.410	5.83	-	6.30	5.80	6.15	6.40	-
.446	6.00	-	6.30	5.69	6.40	6.12	6.60
34 254.449	6.12	5.82	5.97	6.40	6.10	-	6.20
.467	6.12	5.91	5.96	6.29	6.39	5.96	6.30
.484	5.90	5.98	6.05	6.39	6.40	5.96	6.29
.505	5.45	6.00	6.16	6.23	6.28	6.15	-
.525	5.45	-	6.13	6.22	6.30	6.20	-
34 270.492	5.50	-	6.02	6.26	5.74	-	6.25
.514	-	-	5.98	-	5.76	-	-
34 573.459	6.13	-	5.98	6.00	6.42	5.81	-
.473	6.20	6.02	6.01	6.06	6.24	6.00	-

Table II. cont.

J.D. 24 00 000+	V74	V96	V97	V101	V103	V104	V105
34 606.527	5.90	5.96	6.15	-	6.21	5.92	-
.541	5.85	5.88	6.22	5.81	6.19	5.87	-
.556	6.12	6.14	6.15	-	6.08	-	-
.571	6.10	6.20	6.25	5.80	6.22	-	-
.586	6.12	6.20	5.80	5.82	6.38	5.78	-
34 945.407	-	5.94	6.20	6.24	6.11	5.82	-
.424	5.60	5.90	6.15	6.28	6.06	5.45	-
34 949.463	-	-	6.07	-	6.40	6.15	-
35 371.410	5.63	-	-	6.30	6.43	6.20	-
.423	5.70	5.80	-	6.06	6.21	6.17	-
.436	5.70	5.85	-	-	6.10	6.25	-
.455	5.92	5.92	-	5.88	-	-	-
35 720.298	6.17	6.06	6.20	6.12	5.74	6.35	6.87
.315	5.95	6.01	6.00	6.10	5.83	6.29	-
.328	5.92	6.13	6.25	6.17	5.67	6.50	6.78
.344	5.65	6.25	6.30	6.14	5.87	6.28	-
.356	5.65	6.42	6.30	6.24	5.95	6.36	-
.369	5.55	6.34	6.25	6.28	5.87	6.29	-
.381	5.60	6.04	6.25	6.27	6.07	6.30	-
.394	5.72	6.20	6.30	6.27	6.12	6.25	-
35 725.327	-	5.58	6.30	6.01	6.37	-	6.60
.377	5.55	5.84	6.25	5.86	5.90	6.28	-
.419	5.80	-	6.30	5.75	5.71	6.50	6.95
.432	5.75	-	6.30	5.77	5.72	-	6.95
.445	5.95	5.95	6.20	5.92	5.71	6.23	6.95
.457	6.07	-	6.25	5.81	5.74	6.06	-
.495	6.25	-	6.30	6.02	5.79	-	6.85
.507	6.20	6.36	6.30	6.04	5.84	5.85	-
.519	6.10	6.22	6.30	6.10	5.93	5.84	6.95
.531	6.25	-	6.30	6.08	5.96	5.82	-
36 068.496	-	6.38	6.30	5.71	6.28	5.86	6.22
.514	5.90	6.38	6.25	5.66	6.24	5.93	6.55
.528	-	6.00	6.25	5.82	6.38	5.82	6.54
.543	6.00	6.19	6.30	5.82	6.29	5.75	6.60
36 073.380	6.20	5.96	6.25	6.03	5.92	6.50	6.75
.393	6.27	5.97	6.20	6.02	5.82	6.32	6.75
.406	6.13	5.88	6.25	6.21	5.77	6.18	6.70
.419	6.27	5.86	6.15	6.20	5.74	6.23	6.71
.432	6.30	5.94	6.20	6.25	5.73	5.94	6.85
.446	6.20	-	6.20	-	5.86	5.94	6.60
.459	-	6.09	6.15	6.27	5.69	5.86	6.88
.473	-	5.91	6.20	6.25	5.69	5.68	6.52
.486	5.73	6.07	6.30	6.13	5.73	5.60	6.09
.500	5.50	5.95	6.30	6.20	5.82	5.83	5.93
36 074.381	-	6.20	6.30	5.70	6.41	-	6.90
.394	-	6.45	6.20	5.74	6.25	5.86	6.80
.406	5.65	6.37	6.25	5.69	6.35	6.09	6.87
.420	-	6.31	6.10	5.68	6.36	5.95	6.80
.434	5.82	6.45	5.72	5.74	6.34	5.95	6.92
.447	5.95	6.48	5.45	5.69	6.15	5.96	6.85

Table II. cont.

J.D. 24 00 000+	V74	V96	V97	V101	V103	V104	V105
36 074.460	6.00	6.30	5.50	5.68	6.14	6.13	6.95
.473	6.22	6.27	5.55	5.70	5.95	6.12	6.78
.486	6.27	6.22	5.52	5.69	5.81	6.21	6.80
.500	6.25	6.15	5.55	5.70	5.74	6.18	6.80
.513	6.25	6.22	5.45	5.74	5.72	6.28	6.88
.526	6.20	5.88	5.50	5.66	5.72	6.17	-
38 259.416	6.30	6.18	6.30	5.96	5.96	5.99	6.35
.473	6.30	6.30	6.30	6.05	-	6.29	6.50
.493	6.20	6.04	6.30	6.14	6.21	6.19	6.57
38 268.472	5.70	6.21	6.25	5.78	6.14	5.78	5.63
.487	5.88	6.11	6.30	5.76	5.74	5.87	5.75
.502	5.95	6.31	6.30	5.79	5.72	5.97	5.95
.518	6.05	6.30	6.30	5.73	5.74	6.02	6.10
.531	6.08	6.23	6.30	5.76	5.72	5.92	6.10
.544	6.17	6.36	6.25	5.73	5.72	5.95	6.36
.558	6.00	6.21	6.25	5.82	5.77	6.21	6.52
.572	6.27	6.31	6.15	5.85	5.77	6.14	6.29
.586	6.25	6.21	6.05	5.90	5.92	6.03	6.35
.601	6.30	6.21	6.00	5.88	5.98	6.17	6.37
38 289.280	6.18	6.07	6.20	5.84	6.18	6.20	-
.304	6.30	5.86	6.20	5.79	6.42	6.19	6.85
.325	6.30	5.92	6.10	5.74	6.39	6.25	6.90
.346	6.27	5.85	6.15	5.78	6.16	6.29	-
.373	6.20	5.87	6.30	-	6.45	6.42	-
.402	5.65	5.84	6.15	5.82	6.22	6.48	6.85
.420	5.60	5.92	6.30	6.04	6.18	6.47	-
.466	5.70	5.87	6.10	6.13	5.96	6.30	6.95
.482	5.70	6.06	6.00	6.05	5.74	6.07	6.95
.506	5.90	6.17	5.70	-	5.76	5.96	6.75
.522	5.95	6.12	5.50	6.06	5.76	5.82	6.88
.547	6.25	6.29	5.50	6.12	5.73	-	6.75
.560	6.20	-	5.45	-	5.74	5.77	6.13
.574	-	6.20	5.60	6.27	5.88	5.75	5.94
39 350.467	6.30	5.80	6.28	5.80	5.74	6.22	6.85
.483	6.30	5.84	6.21	5.80	5.82	6.03	6.75
.496	6.30	-	6.32	5.79	5.96	6.19	-
.522	6.30	5.98	6.25	5.79	6.12	5.82	6.95
.535	-	6.00	6.25	5.81	6.09	5.87	-
39 351.498	5.50	-	5.65	6.24	5.69	6.11	6.38
.512	-	-	5.85	6.25	5.72	6.15	6.58
.524	-	6.18	5.75	-	5.79	6.02	6.75
.536	5.55	-	-	6.24	5.80	6.15	-
39 355.445	-	6.23	6.20	6.23	6.36	6.31	6.26
.460	-	6.20	6.28	6.12	6.44	6.20	6.30
.474	-	6.25	6.30	-	6.34	5.93	6.40
.490	-	6.35	6.30	6.16	6.07	5.92	6.75
.504	6.25	6.26	6.25	-	5.94	5.87	-
.520	6.30	5.98	6.23	6.28	5.98	5.65	6.80
.533	-	5.80	6.30	6.20	5.77	5.68	6.70

Table III.

Periods used in constructing the light curves

V 1	$1^d.437523$	V 31	$0^d.4081781$
V 2	0.6842736	V 32	0.6054003
V 3	0.3887407	V 35	0.3839986
V 4	0.3135758	V 36	0.6241424
V 5	0.3842142	V 38	0.3752769
V 6	0.6659671	V 39	0.3895696
V 7	0.3675643	V 40	0.3773302
V 8	0.6462446	V 42	0.3601745
V 9	0.7152819	V 43	0.3959928
V10	0.3863931	V 44	0.5955580
V11	0.3432527	V 45	0.6773974
V12	0.5928844	V 49	0.6552015
V13	0.5749536	V 50	0.2980583
V14	0.3820024	V 51	0.3969565
V15	0.5835687	V 52	0.5756132
V17	0.4288927	V 53	0.4141270
V18	0.3677379	V 54	0.3995683
V19	0.5723030	V 57	0.3492988
V20	0.6969598	V 66	0.3793488
V22	0.7201510	V 67	0.404613
V23	0.6326959	V 74	0.2960107
V24	0.3696955	V 96	0.3967902
V25	0.6653286	V 97	0.6963337
V26	0.4022695	V101	0.4003600
V28	0.6706464	V103	0.3682720
V29	0.5749761	V104	0.4142840
V30	0.4059796	V105	0.5711550