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of the Large
Magellanic Cloud**

By Cecilia H. Payne-Gaposchkin

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The Variable Stars of the Large Magellanic Cloud*

Introduction

The results of the current study of the variable stars in the Large Magellanic Cloud have been summarized by S. Gaposchkin (1971). The total number of stars measured was 2,184, which included the variables published at Harvard (HV) and elsewhere before 1967 and 45 stars discovered in the course of the work. After measurement, 354 stars were rejected as not appreciably variable. Table 1 summarizes the 1,830 remaining stars by type. Bibliographic data for the variables previously known are given by Hodge and Wright (1967) and need not be repeated here.

The accepted variable stars are arranged in order of X coordinate in Table 2; types are indicated as follows: C = Cepheid; RR = RR Lyrae Star; L = long-period variable; Cyc = cyclic variable; W = W Virginis star or Type II Cepheid; I = irregular; R CrB = R Coronae Borealis star; SS = SS Cygni star; N = nova; v? = doubtful variability. Symbols with question marks indicate probable types for stars whose periods have not been found. Positions are given in Miss Leavitt's X and Y coordinates, which are expressed in seconds of arc and referred to right ascension (1900) $5^{\text{h}}25^{\text{m}}7^{\text{s}} = +12125''$ in X and declination (1900) $-69^{\circ} 0' = +10554''$ in Y. As noted by Hodge and Wright (1967), the published coordinates of some of the variables are incorrect. The positions of these stars, of the newly discovered variables, and of the stars whose positions were published in equatorial coordinates have been measured by

triangulation, referred where possible to the X and Y coordinates of neighboring stars given by Miss Leavitt (*Harvard Annals*, volume 60, 1908). Such coordinates are marked with asterisks in Table 2. A few outlying stars were reduced to X and Y coordinates by means of the formulas given by Wesselink (1959). A list of duplicate and alternative names is given in Table 3.

The accuracy of the coordinates can be judged by comparing the published positions of the 17 stars that have inadvertently been announced twice to be variables, with the result that their positions have been twice measured independently. Table 4 contains the comparison. The original coordinate grid extended from $0''$ to $+24300''$ in X and from $0''$ to $+20100''$ in Y; positions outside these limits were given in right ascension and declination. The average difference of position for the 13 stars within the original grid is $19''.5$, which corresponds to 0.325 mm on the plate. The average difference for four stars outside the grid is $60''.2$, or 1 mm on the plate. The comparison reinforces the statement made by Miss Leavitt (1906) that the published positions serve for rough orientation only, and that marked charts are essential for positive identification. The difficulty of locating known variables is discussed by Hodge and Wright in their description of the procedure used in making their atlas of variable stars in the Large Cloud. A few variables that eluded even their precautions are indicated in the notes to Table 5.

The Cepheid Variables

The results for 1,110 Cepheid variables are given in Table 5, which is arranged as follows:

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- Column 1: HV number.
 2: Number assigned by Gaposshkin (1971).
 3, 4: X and Y coordinates on Miss Leavitt's system.
 5: Previously published period, if any. If two periods have been published, the later is given.
 6: Period determined in the present study.
 7: Logarithm of the period given in column 6.
 8: Maximal magnitude, corrected for absorption.
 9: Minimal magnitude, corrected for absorption.
 10: Magnitude at mean intensity, corrected for absorption.
 11: Amplitude.
 12: Interval from minimum to following maximum.
 13: Interval from mean increasing magnitude to maximum.
 14: Interval from mean increasing magnitude to mean decreasing magnitude, or width of curve at mean magnitude.
 15: Adopted absorption correction.
 16: Date of one well-observed maximum.
 17: Number of positive observations used in forming mean light curve.
 18: Remarks: S = scatter; S! = large scatter; SM = scatter at maximum; Sm = scatter at minimum; P? = period doubtful; cc = close companion or companions; cr = crowded region.

The units in which each quantity is expressed are given at the heads of the corresponding columns. An asterisk after the HV number calls attention to the notes following the table; these are arranged in order of HV number, and approximate periods are given to facilitate reference.

The notes in the last column of Table 5 indicate the weight that can be assigned to the light curve. All the observed points are reduced with the period that has been deduced. For most of the stars the scatter is no greater than expected from the uncertainty of the estimates. If the scatter is unusually large, an attempt is made to assign the cause. Estimates of stars in crowded regions or with close companions are often thus affected. For other stars the adopted period may be in error or may be variable, or the light curve itself may be variable. A number of variable periods have been found. The periods of other stars, indicated by P? in the final column of Table 5, may not be correct. These periods are probably not grossly in error, and many of them agree rather closely with those previously

published. Possibly the light curves are variable for some of the stars for which the scatter is most pronounced at maximum; well-known galactic stars that show this feature are TU Cassiopeiae and U Trianguli Austrinae, whose light curves display beat phenomena. Our material is too scattered in time for the disentangling of beats; such stars would repay more concentrated analysis.

The present study has almost doubled the number of Cepheids of known period in the Large Cloud; 537 new periods have been derived, and 574 were known previously. With the very few exceptions indicated in the notes to Table 5, the periods published earlier were of the right order. The ranges of HV 954, 991, 2489, 5921, 5974, 12000, 12001, 12026, 12424, 12518, and 12652 have probably been underestimated because of close companions or dense background. About a dozen stars previously judged not to be variable have been found to be periodic. A few stars, previously thought to be periodic (HV 2687, 2870, 5767, 5846, 11993, 12060, and 12496), now are considered to be irregular or assigned to the nonvariable list. The period published by Shapley and McKibben (1940) for HV 5767 may perhaps belong to HV 5752; the data given by Shapley and Nail (1953) for the eclipsing star HV 5846 may perhaps refer to HV 5864. The other discrepant stars may have been misidentified.

The Type II Cepheids

The 17 Type II Cepheids are listed in Table 6. They have been assigned to the class on the basis of shape and variability of light curve and of erratic variations of period. For many of them a mean light curve cannot be derived from all the observations, and light curves for well-observed intervals have been used. All are probably members of the Large Cloud. The data for HV 5690 are taken from Hodge and Wright (1968), who derived the period. The light-curve types (cr = crested, fl = flat) are those defined by Kwee (1967).

The RR Lyrae Stars

Data for the 29 RR Lyrae stars are given in Table 7; all are regarded as foreground objects.

In the area of the Small Cloud, 31 RR Lyrae stars were assigned to the foreground by Payne-Gaposchkin and Gaposchkin (1966). As the galactic latitudes of the Large and Small Clouds are respectively about -32° and -42° , we should expect to find more RR Lyrae stars per square degree in front of the former, the more so on account of its larger angular diameter. Our Large Cloud list contains more bright RR Lyrae stars, and fewer faint ones, than were found for the Small Cloud. Possibly we underestimated the number of short-period variables that actually are members of the Small Cloud. It may be that the less complete survey of the Large Cloud is also in part responsible for the anomaly.

The two faint RR Lyrae stars, HV 13015 and 13016, were discovered by Gaposchkin in the faint cluster HS 83, listed by Hodge and Sexton (1966). They have nearly the same value of $\langle m \rangle_0$, 16.64 and 16.56; if we adopt a modulus of 17.1, the cluster is 26 kpc from us, and about 29 kpc from the Large Cloud. Both variables are so close to the cluster that they must be members of it.

Long-period, Cyclic, and Irregular Variables

Tables 8, 9, and 10 enumerate the long-period, cyclic, and irregular variables (range one magnitude and greater). The median maximal magnitudes for the three groups are as follows:

| | |
|-----------------------|------------------|
| Long-period variables | 15.50 ± 0.55 |
| Cyclic variables | 14.29 ± 0.78 |
| Irregular variables | 15.14 ± 0.72 |

The long-period variables are arranged in order of period. Those that are certainly foreground stars are marked with two asterisks; those that are probably in the foreground, with one asterisk. Nail (1952) classes HV 2578 and 19984 as irregular.

The cyclic variables are enumerated in Table 9. They are distinguished from the long-period variables by their more irregular behavior, but an average cycle can be discerned. The stars HV 888, 996, 2255, 2700, 12407, 12420, and 12437 have been described as irregular by Nail (1952) or by Nail and Shapley (1955). The variations of HV 12501 are occasionally quite irregular.

Table 10 lists 60 irregular variables with ranges over a magnitude. Most of those for

which no color is noted are probably red.

R Coronae Borealis Stars

The four R Coronae Borealis stars are given in Table 11. The brightest, HV 966 (W Mensae), has the characteristic spectrum F8:I p, recorded by Feast *et al.* (1960).

Systematic Corrections for Absorption

The photographic appearance of the Large Cloud gives evidence of localized absorptions. The systematic deviations of Cepheids in different regions from an average period-luminosity curve point in the same direction.

The gross features of the absorption can be approached by way of counts of galaxies and of deviations from the period-luminosity relation. Absorption for individual stars can be determined from accurate color excesses, measures of interstellar bands, and polarization.

Shapley and Nail (1951b) showed by means of galaxy counts that the transparency in the axis is very low and that few galaxies shine through either the clustered areas or the open regions in the center of the Large Cloud. The transparency increases radially and is essentially normal at the edges. They did not attempt to determine absorption for particular regions because of the uneven distribution of the field galaxies, but they considered that it might in some places amount to as much as a magnitude.

The deviations from the average period-luminosity curve were later used by Shapley and Nail (1952) to obtain quantitative values for the absorption in six regions of the Large Cloud. The reality of the differences was established, though on the basis of a relatively small number of Cepheids, 158 in all.

The same method has been used to determine the corrections for absorption from the whole of the Cepheid material covered by the present paper. The face of the Cloud was divided into regions $2000' \times 2000'$ in area. The deviations from the mean period-luminosity relation were determined for each area, and were combined and smoothed for a second approximation. In a circle about $3.5'$ from the dynamical center of the Cloud the absorption was adopted as zero.

The resulting corrections for absorption are shown in Table 12.

The corrections show many of the same features that had been pointed out by Shapley and Nail. By reference to the diagram given by Shapley and Nail (1951b) we can determine the average absorption given in our table for the five regions in which galaxy counts were made:

| | Mean absorption |
|-------------------|-----------------|
| Border | 0.24 |
| Open regions | 0.42 |
| Clustered regions | 0.43 |
| Axis | 0.60 |

As in the results from galaxy counts, the absorption is greatest in the axis, about the same in open and clustered regions, and least in the border regions (which are not, however, yet at the unobscured edges of the Cloud).

A more quantitative comparison can be made with the results derived by Shapley and Nail (1952) from the period-luminosity curve deviations. Their absorptions were expressed as differences from a mean; we have increased them by 0.38, the average difference between our values and theirs. The mean absorptions in various regions follow:

| | Shapley and Nail | Data herein |
|--------------------------------------|------------------|-------------|
| A (region of NGC 1956) | 0.64 | 0.57 |
| B (center of axis) | 0.47 | 0.60 |
| C (region of 30 Doradus) | 0.56 | 0.58 |
| D (open region preceding 30 Doradus) | 0.58 | 0.44 |
| E (region of NGC 1783) | 0.25 | 0.30 |
| F (region of NGC 1866) | 0.33 | 0.32 |

The relation of absorption to region is substantiated. Exact agreement cannot be expected, in view of revisions of the magnitude scales and of the much greater number of stars in our sample. An independent check on our zero point is furnished by the value of +0.07 for the (B-V) color excess of NGC 1866 used by Arp (1967), which gives a value of 0.28 for the photographic absorption, if the conventional value of 4 is used for the ratio of color excess to photographic absorption.

Another test of the plausibility of our corrections for absorption can be made by comparing them with the color excesses determined for individual stars in the same areas. Color excesses for bright stars in the Large Cloud have been obtained by Feast *et al.* (1960), and for individ-

ual clusters and associations by Westerlund (1961). In the following comparison, the color excesses have been multiplied by 4 to obtain photographic absorptions, and the visual absorptions by 4/3. The average photographic absorptions derived from the two sources have been assembled for six values of our photographic absorption in the corresponding areas:

| Average Pg absorption | 0.05 | 0.25 | 0.35 | 0.45 | 0.55 | 0.65 |
|----------------------------|---------|---------|---------|---------|---------|---------|
| Feast <i>et al.</i> (1960) | 0.20(8) | 0.48(5) | 0.40(6) | 0.32(8) | 0.68(6) | 0.72(5) |
| Westerlund (1961) | — | 0.40(1) | 0.00(4) | — | 0.51(3) | 0.56(6) |

Here again, close numerical agreement would hardly be expected, and the data of Westerlund show that some clusters, quite close together, have color excesses that differ considerably (e.g., NGS 2074, 2081, 2092, 2100). The point to be made is that color excesses lead to absorptions at least as great as those we have used. The average absorption for all stars studied by Feast *et al.* would be 0.44, and their greatest value is 1^m28, larger than any entry in our table.

The 4430 Å band absorption, studied by Hutchings (1966) in the Magellanic Clouds, contributes additional evidence of absorption within both Clouds. Absorption within the Small Cloud, deduced in the same way as for the Large Cloud, was described by Payne-Gaposchkin and Gaposchkin (1966). In this case also the evidence for the existence of absorption is fortified by the galaxy counts of Wesselink (1961a, b) and to some extent by those of Shapley and Nail (1951b) for the central regions of the Small Cloud.

It must, however, be emphasized that our corrections for absorption are based on gross structure. To correct each variable star individually is beyond our present means.

Table 13 contains a list of the eclipsing stars.

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Abstract

Payne-Gaposchkin, Cecilia H. The Variable Stars of the Large Magellanic Cloud. *Smithsonian Contributions to Astrophysics*, number 13: 41 pages, 1971—The variable stars in the Large Magellanic Cloud have been studied on the basis of estimates made on all available plates at the Harvard College Observatory. Of the 2,184 stars measured, 1,830 have been judged to be variable. About 800,000 estimates were made.

The numerical data derived from a discussion of the material are listed in tabular form.

TABLES 1-13

TABLE 1.—*Variable stars in the Large Magellanic Cloud*

| | | | |
|---|------|--|-----------|
| Cepheid variables | 1110 | Probable irregular variables | 48 |
| Probable Cepheids (no period found) | 49 | R Coronae Borealis stars | 5 |
| RR Lyrae stars | 28 | SS Cygni stars | 1 |
| Probable RR Lyrae stars (no period found) | 2 | Novae | 3 |
| Long-period variables | 46 | Eclipsing stars | 79 |
| Cyclic variables | 23 | Probable eclipsing stars (no period found) | 17 |
| W Virginis stars | 17 | Variability doubtful | <u>81</u> |
| Irregular variables | 321 | | 1830 |

TABLE 2.—Variable stars arranged in order of X

| HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type |
|--------|--------|--------|------|-------|-------|--------|------|-------|-------|--------|------|--------|-------|--------|------|
| 12708 | -10581 | 15252 | RR | 12218 | 852 | 19059 | C | 2242 | 2347 | 8720 | I? | 2252 | 3361 | 14108 | C |
| 12710 | -6348 | 27355 | L | 2237 | 883 | 14198 | C | 12411 | 2400 | 4656 | E | W 41 | 3375* | 18205* | C |
| 8033 | -6319 | 1497 | RR | 2236 | 884 | 7673 | I | 12412 | 2400 | 5238 | C | 2253 | 3376 | 13163 | E? |
| 12711 | -3250 | 14617 | C | 12232 | 987 | 20385 | I | W 34 | 2401* | 19047* | C | 5517 | 3394 | 7508 | C |
| 12712 | -2916 | 14768 | C | 12462 | 1026 | 4902 | C | 8037 | 2493* | 2269* | C | 12507 | 3408 | 10392 | C |
| 8034 | -2475 | 3647 | L | 2238 | 1075 | 5955 | I? | 12222 | 2517 | 19569 | C | 12419 | 3426 | 5328 | C |
| 12718 | -2412 | 17027 | RR | 12466 | 1104 | 13800 | I | 877 | 2520 | 13111 | C | 5518 | 3460 | 4480 | C |
| 12725 | -1683 | 19565 | I | 12467 | 1122 | 4668 | I | 12904 | 2566* | 6486* | C | 12508 | 3468 | 5442 | C |
| 12717 | -1224 | 7989 | C | 12469 | 1140 | 12816 | v? | 5504 | 2574 | 7606 | v? | 12511 | 3480 | 12774 | C |
| 12715 | -988 | 5843 | C | 12470 | 1212 | 5004 | C? | 12497 | 2580 | 19740 | I | 5522 | 3530 | 13340 | C |
| 12714 | -973 | 5237 | E | 12471 | 1212 | 8082 | C | 5506 | 2599 | 17624 | L | 12512 | 3534 | 13884 | C |
| 12730 | -900* | 20458* | C | 12472 | 1218 | 7380 | C | 12910 | 2607* | 6513* | C | 879 | 3581 | 7918 | C |
| 12976 | -864* | 6756* | C | 12473 | 1218 | 8910 | C | 12235 | 2607 | 21433 | C | 12238 | 3593 | 20777 | v? |
| U 2 | -852* | 6639* | C | 5497 | 1243 | 18679 | C | 2243 | 2612 | 3114 | I | 5524 | 3618 | 11474 | I |
| 12719 | -842 | 8763 | I | 12474 | 1284 | 6600 | C | 12498 | 2622 | 7944 | I | W 30 | 3630* | 19101* | C |
| 12728 | -772 | 17247 | C | 13051 | 1285 | 15000 | E | 12499 | 2652 | 16398 | C | 2254 | 3695 | 19844 | C |
| 12720 | -754 | 8256 | C | 12475 | 1332 | 9654 | C | 5508 | 2697 | 7340 | v? | 12420 | 3720 | 5400 | Cyc |
| 12722 | -667 | 8356 | C | U 11 | 1334 | 11608 | C | 12223 | 2709 | 19542 | C | 12226 | 3723 | 19272 | C |
| 12977 | -584* | 7933* | I | 12476 | 1362 | 7320 | C | 2244 | 2717 | 13714 | C | 5525 | 3728 | 10432 | v? |
| 12727 | -569 | 13948 | C | 2239 | 1415 | 17182 | Cyc | 2245 | 2725 | 7001 | C | 12421 | 3738 | 864 | C |
| 12716 | -425 | 2807 | C | 12479 | 1416 | 8058 | I | 2246 | 2777 | 6856 | I | 12422 | 3738 | 1482 | C |
| 12732 | -315 | 19751 | RR | 12480 | 1440 | 15714 | I? | 2247 | 2778 | 7690 | I | 12513 | 3744 | 15198 | C |
| 12734 | -54 | 18056 | I | 12482 | 1452 | 14772 | I | 2248 | 2794 | 6642 | C | 878 | 3746 | 6094 | C |
| 12729 | -41 | 13853 | I | 12483 | 1482 | 13578 | C | 12500 | 2796 | 8418 | C | 5526 | 3756 | 8623 | C |
| 12724 | -33 | 6650 | C | 12484 | 1512 | 4872 | E | 2249 | 2800 | 15625 | C | 883 | 3767 | 11609 | C |
| 12735 | -33 | 18755 | v? | W 37 | 1518* | 18194* | C | W 3 | 2810* | 21168* | C | 12514 | 3780 | 7662 | C |
| 12959 | 49* | 17849* | C | 2240 | 1575 | 13503 | E | 12413 | 2820 | 4734 | I? | W 31 | 3786* | 18632* | C |
| 12733 | 58 | 17191 | C | 872 | 1597 | 14889 | C | 12501 | 2820 | 7860 | Cyc | 13012* | 3787* | 13975* | I |
| U 1 | 66 | 7978 | C | 12219 | 1608 | 19908 | C | 5510 | 2826 | 8002 | v? | 13013* | 3791* | 7688* | C |
| 8036 | 172* | 4450* | C | W 38 | 1647* | 17714* | C | 12737 | 2829 | -165 | E? | 12239 | 3797 | 21604 | RR |
| 12463 | 202* | 2657* | I | 6098 | 1654* | 21423* | C | 12414 | 2832 | 2532 | v? | 2255 | 3800 | 5414 | Cyc |
| 12736 | 208 | 18964 | C | 12486 | 1655* | 2509* | C | 12224 | 2922 | 18912 | C | 12515 | 3804 | 9108 | v? |
| 13009* | 222* | 19032* | I | 12961 | 1709* | 7885* | C | 12743 | 2922 | 25420 | E? | 12516 | 3804 | 12888 | I? |
| 12723 | 240 | 4052 | C | 12741 | 1738 | 23815 | RR | 12225 | 2946 | 18913 | C | 12740 | 3828 | -639 | C |
| 12444 | 300 | 17280 | C | 12485 | 1740 | 7896 | C | 12502 | 2964 | 11724 | C | W 28 | 3837* | 19152* | C |
| 12446 | 336 | 11814 | C | 12220 | 1749 | 18636 | C | 874 | 3004 | 4901 | C | 2257 | 3844 | 6140 | C |
| 12447 | 372 | 6450 | C | 12488 | 1776 | 16950 | v? | 12415 | 3012 | 882 | C | 886 | 3855 | 19734 | C |
| 13010* | 390* | 19046* | C | 12406 | 1818 | 3600 | C | 875 | 3025 | 8114 | C | 12423 | 3882 | 546 | C |
| 12958 | 435 | 5609 | I | 12407 | 1818 | 4650 | Cyc | 12236 | 3042 | 20288 | I? | 12240 | 3883 | 21477 | C |
| 12448 | 492 | 4230 | v? | 12490 | 1872 | 17082 | C | 12503 | 3048 | 8412 | C | 13014* | 3889* | 12541* | E |
| 5496 | 504 | 5670 | I | 2241 | 1885 | 18265 | E | 5511 | 3052 | 2876 | C | 12241 | 3908 | 12160 | C |
| 12450 | 540 | 16602 | C | 12408 | 1902 | 3552 | C | 880 | 3097 | 14178 | C | W 42 | 3923* | 17804* | C |
| 12451 | 600 | 8538 | I | W 2 | 1925* | 21503* | C | 873 | 3192 | 2557 | C | 2258 | 3926 | 15895 | RR |
| 12452 | 606 | 7824 | C | 12491 | 1962 | 15618 | C | 12504 | 3192 | 15726 | C | 5529 | 3965 | 13923 | I |
| 13011* | 616* | 19848* | RR? | W 18 | 1985 | 19649 | C | 12416 | 3198 | 2478 | C | W 14 | 3965* | 20194* | C |
| 2235 | 617 | 17776 | C | 12492 | 2004 | 13572 | I | 12417 | 3216 | 1848 | C | 12965 | 3968 | 13871 | I |
| 12454 | 648 | 15720 | I | 12233 | 2088 | 19296 | I | 12505 | 3228 | 10200 | C | 5530 | 3996 | 16304 | C |
| 12455 | 660 | 6030 | I | 12409 | 2148 | 3384 | C | 2251 | 3228 | 18174 | C | 8040 | 3998* | 3749* | C |
| 2883 | 665* | 24999* | L | W x | 2226* | 19686* | I | 12506 | 3276 | 19488 | I? | 2259 | 4000 | 8348 | E |
| 12457 | 792 | 4740 | I | 12493 | 2232 | 8976 | E | 5514 | 3288 | 16914 | C | 12517 | 4008 | 9936 | C |
| 12217 | 792 | 19722 | C | 876 | 2274 | 15323 | C | 12237 | 3291 | 20123 | C | 13015* | 4019* | 10435* | RR |
| 12459 | 810 | 18690 | C | 12234 | 2282 | 21083 | C? | 5513 | 3296* | 9472* | C | 12242 | 4026* | 12402* | C |
| 12460 | 826 | 14994 | I | 12495 | 2298 | 9120 | Cyc | 12418 | 3330 | 2028 | C | 2260 | 4030 | 11684 | C |

TABLE 2.—Variable stars arranged in order of X—continued

| HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type |
|--------|-------|--------|------|--------|-------|--------|------|--------|-------|--------|------|--------|-------|--------|------|
| 12518 | 4038 | 15402 | C | 12533 | 4620 | 20220 | C | 889 | 5186 | 10012 | C | 2315 | 5880 | 15384 | C |
| 13016* | 4041* | 10445* | RR | 5541 | 4624 | 19128 | C | 2296 | 5190 | 10354 | C | 895 | 5889 | 11024 | C |
| 13017* | 4048* | 10432* | I | 12534 | 4638 | 13800 | C | 12430 | 5196 | 888 | C | 2316 | 5904 | 8604 | C |
| 2261 | 4053 | 5579 | C | 2275 | 4640 | 15340 | I | 2297 | 5198 | 11354 | C | 13045* | 5919* | 20434* | E |
| 12424 | 4068 | 3990 | C | 12747 | 4650 | 20719 | C | 12431 | 5202 | 3636 | C | 5579 | 5922 | 17640 | C |
| W 43 | 4071 | 17898 | C | 12531 | 4653* | 7247* | C | W 48 | 5202* | 18397* | C | 5580 | 5924 | 4635 | I |
| 882 | 4084 | 7945 | C | 12748 | 4664 | 21644 | C | 5557 | 5239 | 9523 | v? | 896 | 5924 | 11960 | C |
| 2262 | 4085 | 5764 | C | 5542 | 4676 | 5742 | I? | 5558 | 5242 | 4912 | C | 12322 | 5934 | 9270 | C |
| 2263 | 4087 | 11645 | C | 888 | 4678 | 16045 | Cyc | 12432 | 5244 | 4362 | C | 5581 | 5944 | 12412 | E |
| 12227 | 4095 | 19632 | L | 2276 | 4712 | 10648 | I? | 12541 | 5262 | 20058 | C | 893 | 5956 | 9473 | C |
| 884 | 4099 | 12937 | L | 12535 | 4722 | 12060 | v? | 5559 | 5268 | 6732 | v? | 12745 | 5973 | 44 | C |
| 5531 | 4103 | 19660 | C | 12536 | 4728 | 13164 | C | 5560 | 5272 | 4610 | I | 2317 | 6010 | 13087 | C |
| 12519 | 4110 | 15432 | C | 13019* | 4734* | 10639* | C? | 12755 | 5273 | 20517 | I | 12543 | 6012 | 20292 | C? |
| 13018* | 4120* | 12972* | C | 12742 | 4743 | -219 | C | 892 | 5277 | 10770 | C | 12185 | 6030* | 23108* | v? |
| W 13 | 4130* | 20079* | C | 2277 | 4744 | 8302 | C | 2298 | 5284 | 6167 | I | 5584 | 6032 | 4898 | Cyc |
| 5532 | 4140 | 4992 | I | 12750 | 4763 | 22935 | I | 12990 | 5314* | 14706* | | 12759 | 6034 | 21054 | I |
| 881 | 4146 | 4733 | C | 12749 | 4767 | 20795 | C | 2299 | 5323 | 15154 | C | 12544 | 6042 | 3810 | C |
| 12520 | 4158 | 16080 | C | 2278 | 4786 | 5557 | C | 890 | 5327 | 9495 | C | 12323 | 6048 | 10062 | E |
| 5533 | 4196 | 16280 | C | 5543 | 4794 | 15560 | C | 6099 | 5359 | 21725 | C | 12186 | 6052* | 23568* | C |
| W 25 | 4255* | 19363* | C | 2279 | 4805 | 10840 | C | 891 | 5363 | 9694 | C | 5586 | 6060 | 15910 | C |
| 5534 | 4260 | 9362 | C | 2280 | 4811 | 10514 | C | 5563 | 5384 | 13160 | C | 12973 | 6069* | 15545* | I |
| 12521 | 4260 | 19860 | C | 12537 | 4824 | 8928 | C | 2300 | 5385 | 9418 | C | 2319 | 6080 | 11104 | C |
| 2884 | 4272 | 22104 | C | W 45 | 4824* | 18253* | C? | 12433 | 5412 | 1296 | C | 5587 | 6083 | 5634 | E |
| 12425 | 4278 | 2928 | I | 2281 | 4840 | 10924 | W | 12756 | 5437 | 22648 | C | 2320 | 6084 | 11186 | C |
| 12522 | 4296 | 19920 | v? | 12538 | 4872 | 13554 | I? | W 47 | 5450* | 18176* | C | 898 | 6093 | 11283 | C |
| 12746 | 4305 | 21993 | C | 2282 | 4894 | 5829 | C | 5567 | 5510 | 16244 | C | 2321 | 6104 | 10873 | C |
| 12523 | 4320 | 12402 | C | 2283 | 4899 | 8095 | C | 2301 | 5524 | 3202 | C | 5589 | 6112 | 10001 | C |
| W 49 | 4326* | 20526* | C | 887 | 4904 | 7773 | C | 13052* | 5541* | 9680* | E | 5590 | 6116 | 19078 | C? |
| 12524 | 4332 | 9444 | I | 5547 | 4904 | 11418 | I | 2302 | 5547 | 4212 | I | 5591 | 6120 | 17656 | C |
| 12426 | 4350 | 4674 | C | 5564 | 4924* | 264* | v? | 5568 | 5554 | 5094 | I | 2322 | 6124 | 3748 | I |
| W 44 | 4366* | 17973* | C | 2284 | 4932 | 13366 | RR | 2303 | 5563 | 12524 | C | 2323 | 6124 | 10500 | RR |
| 12525 | 4380 | 16422 | C | 5548 | 4942 | 12180 | I | 12321 | 5576 | 10823 | I | 2324 | 6124 | 12276 | C |
| 5536 | 4392 | 17016 | C | 5549 | 4955 | 13962 | E | 5569 | 5580 | 10660 | C | 5593 | 6144 | 3642 | I |
| 2266 | 4418 | 14874 | I | 2285 | 4987 | 10581 | C | 12434 | 5634 | 4410 | C | 5594 | 6166 | 17455 | C |
| 2267 | 4426 | 2223 | C | 2286 | 5026 | 12094 | I | 5570 | 5636 | 9762 | v? | 13023* | 6182* | 10584* | L |
| 2269 | 4430 | 8624 | I | 2429 | 5028 | 3678 | C | 2304 | 5646 | 4247 | I | 5595 | 6194 | 11765 | C |
| 12427 | 4452 | 2778 | C | 5551 | 5031 | 5041 | C | 5571 | 5669 | 13555 | C | 2325 | 6195 | 11779 | C |
| W 11 | 4453* | 20615* | C | W 22 | 5036* | 19885* | C | 2305 | 5696 | 11874 | C | 2885 | 6197* | 25088* | C |
| 5537 | 4454 | 11206 | v? | 5552 | 5040 | 12936 | v? | 2306 | 5725 | 8705 | I | 5597 | 6219 | 8250 | L |
| 2270 | 4472 | 7746 | C | 2287 | 5074 | 14775 | C | 2307 | 5735 | 8907 | C | 5598 | 6228 | 12316 | W |
| 12526 | 4476 | 6648 | E | 5554 | 5080 | 2914 | I | 2308 | 5737 | 11753 | I | 2326 | 6235 | 9638 | C |
| 12527 | 4476 | 15294 | C | 2288 | 5085 | 8946 | C | 5572 | 5740 | 14676 | I | 2327 | 6241 | 11185 | C |
| 12964 | 4500* | 7573* | C | 13020* | 5085* | 12307* | I | 2309 | 5763 | 10374 | C | 899 | 6244 | 10284 | C |
| 12528 | 4500 | 12156 | C | 12753 | 5090 | 20996 | C | 12972 | 5772* | 14576* | C | 5600 | 6274 | 8057 | v? |
| 2272 | 4520 | 5033 | C | 2289 | 5104 | 4073 | I | 2310 | 5777 | 12744 | L | 5602 | 6280 | 10316 | I |
| 12529 | 4530 | 4890 | I | 2290 | 5126 | 3098 | C | 2311 | 5807 | 9109 | C | 12974 | 6290* | 16326* | C |
| 12530 | 4548 | 12960 | C | W 23 | 5126* | 19528* | C | 12744 | 5812 | 97 | I | 11979 | 6312 | 10398 | I |
| 885 | 4554 | 10046 | C | 13021* | 5140* | 12329* | C | 5576 | 5835 | 4814 | I | 12187 | 6314* | 21588* | C |
| 12428 | 4560 | 870 | C | 2291 | 5144 | 10215 | C | 11978 | 5838 | 10251 | v? | 12324 | 6318 | 11850 | E |
| 5540 | 4582 | 3368 | I | 2292 | 5147 | 9224 | C | 2312 | 5845 | 17693 | I | 12545 | 6330 | 19470 | I |
| 2273 | 4586 | 15345 | C | 12540 | 5148 | 12288 | I? | 12758 | 5859 | 21194 | C | 5604 | 6337 | 12920 | C |
| 12532 | 4590 | 15474 | C | 2293 | 5154 | 9784 | I? | 2314 | 5861 | 5541 | C | 2328 | 6340 | 10294 | C |
| 2274 | 4596 | 11873 | E | 2294 | 5154 | 18230 | C | 13022* | 5865* | 10924* | C | 894 | 6354 | 4202 | L |
| 12967 | 4613* | 13814* | C | 2295 | 5174 | 10195 | C | 2934 | 5872* | 26948* | L | 2329 | 6394 | 9294 | E |

TABLE 2.—Variable stars arranged in order of X—continued

| HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type |
|-------|-------|--------|------|--------|-------|--------|-------|--------|-------|--------|------|-------|-------|--------|------|
| 5607 | 6396 | 16340 | I | 12192 | 6997* | 23104* | C | 12560 | 7494 | 5298 | C | 5658 | 8070 | 8660 | C |
| 12546 | 6402 | 18948 | C | 906 | 7000 | 10301 | C | 12769 | 7504 | 20273 | C | 11996 | 8100 | 9276 | C |
| 12547 | 6414 | 6526 | C | 11985 | 7008 | 9408 | C | 2355 | 7505 | 14436 | C | 2372 | 8127 | 9991 | C |
| 12761 | 6416 | 21368 | I | 12987 | 7009* | 3475* | C | 12197 | 7509 | 22677 | C | 914 | 8137 | 9668 | C |
| 12548 | 6420 | 18960 | C | 2887 | 7017 | 20273 | I | 2356 | 7522 | 9877 | C | 5660 | 8140 | 14016 | I |
| 2330 | 6445 | 4602 | C | 12554 | 7020 | 3240 | C | 12200 | 7523 | 22913 | C | 2373 | 8143 | 10871 | C |
| 5609 | 6447 | 11250 | v? | 5622 | 7023 | 10352 | E? | 5643 | 7540 | 17308 | C | 5662 | 8156 | 19906 | C |
| 12188 | 6455* | 21722* | C | 2344 | 7023 | 12965 | C | 12202 | 7555 | 22854 | C | 5663 | 8158 | 10184 | C |
| 2331 | 6475 | 4115 | I | 5624 | 7034 | 7574 | C | 12203 | 7559 | 22816 | C | 11997 | 8172 | 9924 | C |
| 12190 | 6501* | 22902* | E | 12555 | 7050 | 5628 | C | 2357 | 7564 | 13222 | C? | 12765 | 8175 | 476 | C |
| 5610 | 6518 | 19444 | C | 5625 | 7053 | 10831 | v? | 13025* | 7575* | 11471* | W | 2888 | 8175 | 21611 | C |
| 12189 | 6525* | 21979* | C | 2345 | 7054 | 4933 | C | 12201 | 7578 | 22528 | C | 2374 | 8186 | 18573 | E |
| 900 | 6540 | 6135 | C | 12556 | 7056 | 20076 | C | 2358 | 7584 | 11484 | C | 12764 | 8214 | -626 | RR |
| 2332 | 6544 | 12906 | C | 13024* | 7068* | 3211* | C | 12561 | 7602 | 3780 | C | 6101 | 8216 | 21030 | C |
| 901 | 6546 | 9014 | C | 11986 | 7068 | 10386 | I | 5646 | 7602 | 14616 | I | 5665 | 8230 | 7864 | v? |
| 897 | 6566 | 3346 | Cyc | 11987 | 7068 | 14112 | C | 12204 | 7612 | 22854 | C | 5666 | 8235 | 8914 | I |
| 904 | 6586 | 10716 | C | 12557 | 7068 | 19380 | I | 5647 | 7620 | 17724 | v? | 11998 | 8235 | 9857 | I |
| 5612 | 6596 | 17218 | I | 12558 | 7068 | 20160 | C | 13053* | 7623* | 12059* | E | 12767 | 8261 | 201 | I |
| 12751 | 6601 | -622 | C | 5626 | 7070 | 10470 | I? | 12562 | 7650 | 19134 | v? | 6102 | 8264 | 20141 | C |
| 12978 | 6614* | 17107* | I | 910 | 7089 | 11202 | E | 12760 | 7654 | -404 | I | 12207 | 8275 | 22316 | C |
| 12975 | 6630* | 16840* | v? | 5628 | 7100 | 10640 | v? | 2359 | 7654 | 9249 | C | 2375 | 8279 | 18667 | C |
| 12984 | 6634* | 15635* | I? | 2346 | 7104 | 8154 | E? | 12563 | 7662 | 1710 | E | 5667 | 8300 | 16916 | I? |
| 5614 | 6663 | 10116 | C? | 12194 | 7110 | 22633 | C | 2360 | 7665 | 16084 | L | 5669 | 8302 | 10876 | E |
| 5615 | 6668 | 1460 | C | 12193 | 7116 | 22375 | C | 2361 | 7666 | 11764 | C | 11999 | 8319 | 9168 | E |
| 11981 | 6678 | 12654 | I | 5629 | 7124 | 9937 | I | 2362 | 7675 | 13343 | I? | 12208 | 8349 | 23375 | C |
| 2333 | 6720 | 11157 | v? | 11988 | 7128 | 9516 | I | 11991 | 7692 | 8868 | C | 12971 | 8364* | 20227* | C |
| 2334 | 6738 | 13316 | C | 12196 | 7150 | 22934 | C | 5648 | 7704 | 13953 | E? | 12210 | 8369 | 22819 | C |
| 2335 | 6763 | 12477 | C | 2347 | 7163 | 5074 | I | 5649 | 7722 | 19290 | C | 12768 | 8371 | 61 | I |
| 5616 | 6774 | 12100 | I? | 12195 | 7164 | 23847 | C | 12982 | 7735* | 16802* | I | 12209 | 8372 | 22843 | C |
| 12763 | 6779 | 20721 | C | 908 | 7186 | 9985 | C | 12205 | 7741 | 22745 | C | 2376 | 8382 | 3918 | E |
| 5617 | 6782 | 18756 | C | 11989 | 7191 | 9555 | I | 11992 | 7747 | 10841 | C | 6103 | 8395 | 20686 | L |
| 2337 | 6786 | 13404 | C | 12766 | 7200 | 20743 | C | 2363 | 7786 | 16134 | I | 12212 | 8400 | 23288 | I |
| 5618 | 6802 | 4310 | I? | 2348 | 7224 | 18930 | C | 11994 | 7818 | 10542 | C | 916 | 8407 | 15670 | I |
| 2338 | 6820 | 1714 | C | 12757 | 7245 | -600 | C | 12206 | 7819 | 23131 | C | 2377 | 8446 | 8751 | I |
| 2339 | 6826 | 9938 | C | 2349 | 7247 | 9448 | C | 2364 | 7824 | 10585 | C | 5670 | 8448 | 13146 | C? |
| 12979 | 6834* | 16675* | C | 2350 | 7254 | 6931 | E | 12762 | 7839 | -683 | C | 12565 | 8460 | 20118 | C |
| 11982 | 6840 | 10206 | I | 12981 | 7270* | 16592* | I | 913 | 7849 | 9607 | C | 2889 | 8471* | 21177* | I |
| 902 | 6847 | 4645 | C | 5633 | 7302 | 9177 | I | 5651 | 7866 | 9377 | C | 5671 | 8472 | 9728 | I? |
| 12550 | 6864 | 1872 | I | 2351 | 7305 | 13853 | W | 2365 | 7880 | 4643 | C | 2378 | 8474 | 9764 | C |
| 12191 | 6876* | 23625* | C | 5634 | 7312 | 14956 | v? | 2366 | 7892 | 6419 | C | 12000 | 8490 | 10002 | C |
| 12551 | 6876 | 1002 | C | 2352 | 7344 | 5017 | C | 2367 | 7923 | 10464 | C | 2379 | 8499 | 13952 | L |
| 12980 | 6887* | 16747* | I | 2353 | 7354 | 5067 | C | 5635 | 7934 | 19044 | I | 2380 | 8504 | 6876 | C |
| 905 | 6888 | 10880 | C | 912 | 7372 | 13162 | C? | 5654 | 7940 | 16049 | I | 2381 | 8514 | 4344 | C |
| 12552 | 6936 | 3624 | C | 5636 | 7394 | 5558 | I | 12243 | 7947 | 28489 | I | 12566 | 8520 | 19440 | C |
| 12754 | 6937 | 3327 | I | 5637 | 7400 | 13866 | R CrB | 12969 | 7949* | 19475* | C | 5672 | 8522 | 19347 | C |
| 11983 | 6942 | 9066 | C | 5638 | 7402 | 4904 | I | 12970 | 7956* | 20769* | I | 12211 | 8526 | 22236 | C |
| 2340 | 6942 | 12491 | I | 12198 | 7409 | 22930 | C | 12983 | 7978* | 17072* | I | 5673 | 8538 | 6544 | I |
| 2341 | 6959 | 19037 | C | 12199 | 7414 | 22790 | C | 2368 | 7979 | 11900 | C | 12001 | 8544 | 9999 | C |
| 2342 | 6964 | 10026 | I | 2354 | 7432 | 17510 | v? | 2369 | 7985 | 17065 | C | 5674 | 8545 | 10340 | C? |
| 11984 | 6972 | 10674 | L | 911 | 7444 | 9484 | C | 5655 | 7998 | 4540 | C | 12773 | 8548 | 20164 | C? |
| 903 | 6977 | 3942 | I | 909 | 7454 | 4689 | C | 2370 | 7999 | 420 | RR | 12002 | 8549 | 9771 | I |
| 5621 | 6980 | 14928 | v? | 12770 | 7470 | 21229 | C | 5656 | 8006 | 17680 | C | 5675 | 8550 | 9100 | C |
| 12553 | 6990 | 3378 | C | 5640 | 7480 | 12798 | I | 2371 | 8060 | 9194 | C | 2382 | 8554 | 19684 | C |

TABLE 2.—*Variable stars arranged in order of X—continued*

| HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type |
|--------|-------|--------|------|--------|-------|--------|------|--------|--------|-------|------|-------|--------|--------|------|
| 2383 | 8555 | 9804 | C | 12004 | 9046 | 9263 | v? | 2424 | 9624 | 13236 | I | 12779 | 10229 | -1064 | RR |
| 5676 | 8560 | 8769 | I | 12772 | 9058 | -392 | C | 12007 | 9630 | 8754 | v? | 2446 | 10231* | 15236* | L |
| 12567 | 8562 | 4740 | I | 921 | 9061 | 9834 | C | 2425 | 9638 | 11687 | E | 2447 | 10235 | 11304 | C |
| 2384 | 8588 | 5313 | C | 2403 | 9073 | 14127 | E | 5717 | 9640 | 8180 | I | 5752 | 10240* | 8196* | C |
| 12568 | 8598 | 6144 | C | 920 | 9092 | 9179 | C | 929 | 9660 | 16615 | C | 2448 | 10248 | 9274 | C |
| 13026* | 8602* | 8001* | C | 5703 | 9094 | 18970 | I | 2426 | 9676 | 8874 | C | 2449 | 10258 | 11923 | C |
| 2386 | 8605 | 4826 | C | 13028* | 9096* | 12086* | E? | 2427 | 9681 | 9413 | C | 12011 | 10263 | 7752 | C |
| 2387 | 8612 | 4084 | C | 5704 | 9100 | 6366 | v? | 12006 | 9684 | 8142 | C | 2450 | 10263 | 13548 | I |
| 13027* | 8629* | 10382* | C | 919 | 9110 | 6044 | C | 5720 | 9694 | 9932 | I | 2451 | 10270 | 6284 | E |
| 5679 | 8633 | 15915 | I | 2404 | 9124 | 3687 | C | 5721 | 9694 | 11964 | I | 5746 | 10276 | 10552 | I |
| 5680 | 8640 | 10403 | L | 12325 | 9126 | 12012 | C | 2428 | 9695 | 9580 | C | 5747 | 10277 | 9568 | C |
| 915 | 8651 | 9317 | W | 2405 | 9129 | 3906 | C | 5722 | 9720 | 19336 | E? | 2452 | 10282 | 10314 | C |
| 12569 | 8658 | 2934 | v? | 2406 | 9134 | 10204 | C | 928 | 9724 | 3752 | L | 5749 | 10304 | 8332 | C |
| 5682 | 8670 | 6956 | L | 2407 | 9153 | 8777 | C | 2429 | 9727 | 7085 | I | 932 | 10305 | 7978 | C |
| 2388 | 8670 | 19829 | C | 2408 | 9165 | 9838 | C | 2430 | 9728 | 8617 | C | 6105 | 10306 | 20688 | C |
| 2390 | 8685 | 6577 | C | 12968 | 9172* | 19466* | I | 12780 | 9732 | 20701 | C | 12781 | 10311 | -843 | I |
| 2391 | 8689 | 17494 | C | 2409 | 9175 | 10121 | C | 2431 | 9734 | 6128 | C | 5750 | 10312 | 9064 | C |
| 5684 | 8700 | 13044 | C | 12572 | 9186 | 1272 | C | 5723 | 9738 | 9708 | v? | 5753 | 10328 | 12881 | E |
| 12774 | 8705 | 20739 | C | 12777 | 9194 | 20325 | ? | 2432 | 9748 | 12591 | C | 2453 | 10357 | 8330 | C |
| 12985 | 8725 | 15730 | I | 2410 | 9203 | 10002 | C | 5724 | 9762 | 10016 | I | 934 | 10380 | 13986 | C |
| 2392 | 8727 | 8306 | C | 5709 | 9208* | 13474* | I | 2434 | 9793 | 2116 | Cyc | 2454 | 10407 | 18657 | C |
| 2393 | 8743 | 8568 | C | 5705 | 9212 | 9139 | I | 5725 | 9800 | 9680 | I | 5756 | 10410 | 7043 | W |
| 2394 | 8744 | 10746 | C | 2411 | 9214 | 8796 | C | 2435 | 9825 | 12950 | E | 5757 | 10416 | 8816 | C |
| 5685 | 8753 | 10323 | C | 12995 | 9216* | 9904* | C | 5729 | 9841 | 7400 | C | 2455 | 10432 | 7896 | C |
| 5686 | 8755 | 9817 | C? | 5706 | 9220 | 9960 | C | 2436 | 9845 | 8346 | E | 5758 | 10446 | 12640 | v? |
| 5687 | 8772 | 17660 | I? | 2412 | 9226 | 10254 | C | 5730 | 9864 | 15757 | C | 935 | 10464 | 13524 | C |
| 12775 | 8777 | 25150 | C? | 12573 | 9228 | 5832 | C | 5731 | 9889 | 10603 | I | 12015 | 10470 | 8466 | C? |
| 12570 | 8808 | 1983 | I | 2413 | 9253 | 10728 | C | 2438 | 9900 | 8604 | C | 933 | 10474 | 9546 | C? |
| 2395 | 8808 | 4884 | C | 5707 | 9260 | 9802 | C? | 2439 | 9902 | 7802 | C | 5760 | 10484 | 8507 | I |
| 5689 | 8811 | 9888 | I | 2414 | 9269 | 8164 | C | 2440 | 9905 | 7707 | I | 2456 | 10491 | 9014 | C |
| 5690 | 8813 | 16512 | I | 5708 | 9283 | 10482 | I | 2441 | 9908 | 20130 | I | 12786 | 10513 | 20740 | C? |
| 5691 | 8818 | 9200 | I | 2415 | 9286 | 6787 | C | 2442 | 9917 | 7384 | C | 2457 | 10515 | 3029 | L |
| 5692 | 8820 | 9323 | I | 922 | 9286 | 8398 | C | 90 | 9918 | 9244 | I | 2458 | 10516 | 9162 | C |
| 2396 | 8835 | 8246 | C | 2417 | 9304 | 3975 | C | 5732 | 9922 | 9964 | I | 2459 | 10517 | 10058 | I |
| 2397 | 8856 | 8220 | I | 923 | 9321 | 8144 | C | 2443 | 9928 | 7293 | C | 2460 | 10524 | 11204 | I |
| 12771 | 8863 | -2926 | C | 12574 | 9360 | 1398 | C | 5733 | 9940 | 7483 | C | 2461 | 10534 | 19822 | C |
| 5694 | 8871 | 5639 | C | 925 | 9393 | 7486 | W | 930 | 9957 | 12914 | E | 936 | 10564 | 7967 | E |
| 2398 | 8871 | 9993 | C | 2419 | 9418 | 6014 | C | 12577 | 9960 | 5232 | v? | 12787 | 10572 | 20868 | C |
| 5695 | 8880 | 8860 | v? | 2420 | 9444 | 18704 | C | 12008 | 9960 | 7800 | C | 2462 | 10580 | 5622 | C |
| 12776 | 8900 | 24304 | C? | 5712 | 9446 | 10014 | I? | 2444 | 10055 | 9955 | W | 5761 | 10584 | 10047 | C |
| 5696 | 8904 | 8360 | C? | 924 | 9454 | 4276 | RR | 5736 | 10063 | 9760 | C | 12578 | 10584 | 19788 | E |
| 5697 | 8948 | 9601 | C | 5713 | 9484 | 20016 | I | 5738 | 10108 | 7220 | C | 5762 | 10592 | 14450 | I |
| 2399 | 8952 | 6547 | Cyc | 926 | 9488 | 5436 | C | 5741 | 10120 | 9160 | C | 5763 | 10604 | 8657 | I? |
| 918 | 8962 | 9794 | C | 2421 | 9491 | 5888 | C | 2445 | 10127 | 8860 | C | 2463 | 10606 | 10093 | C |
| 2400 | 8973 | 8710 | C | 2422 | 9508 | 8795 | C | 13030* | 10134* | 9135* | C | 2464 | 10653 | 6312 | C |
| 917 | 8980 | 9281 | C | 12575 | 9510 | 1398 | C | 12009 | 10140 | 7848 | C | 6106 | 10653 | 21711 | I |
| 5699 | 8980 | 9740 | C | 927 | 9514 | 8933 | C | 931 | 10142 | 3784 | C | 12784 | 10679 | -878 | C |
| 2401 | 8985 | 16897 | E | 5714 | 9528 | 10086 | I | 12783 | 10150 | 21225 | C | 2465 | 10692 | 9730 | C |
| 12571 | 8988 | 19800 | RR? | 13029* | 9543* | 9330* | C | 5743 | 10164 | 8056 | I | 5765 | 10696 | 6176 | C |
| 2402 | 9011 | 8144 | C | 2423 | 9560 | 7458 | W | 5744 | 10182 | 9308 | I | 5766 | 10700 | 6140 | v? |
| 12003 | 9030 | 8604 | C | 12778 | 9570 | 20825 | C? | 12010 | 10188 | 7800 | C | 5768 | 10714 | 17632 | C |
| 5701 | 9037 | 11265 | C | 12005 | 9573 | 9339 | C | 5745 | 10206 | 18034 | I | 6107 | 10721 | 20113 | C |
| 5702 | 9040 | 19042 | I | 12576 | 9618 | 4086 | E | 6104 | 10220 | 20687 | C | 2466 | 10726 | 8321 | C |

TABLE 2.—Variable stars arranged in order of X—continued

| HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type |
|--------|--------|-------|------|--------|--------|-------|------|-------|--------|--------|------|-------|--------|--------|-------|
| 937 | 10728 | 6411 | C | 2482 | 11476 | 9192 | C | 2497 | 11980 | 8015 | C | 12595 | 12390 | 1698 | C |
| 12788 | 10740 | 20561 | C | 2484 | 11493 | 5200 | C | 12593 | 11982 | 20160 | I | 2522 | 12394 | 18516 | W |
| 12579 | 10752 | 3480 | C | 5793 | 11510 | 10820 | I | 949 | 11985 | 13144 | I | 5831 | 12400 | 4210 | C |
| 938 | 10846 | 10004 | C | 12024 | 11520 | 8178 | C | 2498 | 11987 | 5982 | C | 12806 | 12405 | -593 | C |
| 12789 | 10850 | 21162 | C | 12795 | 11520 | 22717 | C | 2499 | 11999 | 7554 | C | 2523 | 12423 | 2504 | C |
| 5771 | 10862 | 5980 | C | 5794 | 11533 | 19076 | E? | 951 | 12001 | 13124 | C | 2524 | 12423 | 19235 | C |
| 939 | 10865 | 7275 | C | 5795 | 11552 | 6455 | I | 953 | 12002 | 15144 | C | 2525 | 12424 | 20106 | E |
| 5772 | 10873 | 7208 | I? | 2485 | 11579 | 6706 | C | 2500 | 12009 | 6006 | C | 2526 | 12432 | 8195 | L |
| 5773 | 10915 | 5825 | I | 13032* | 11582* | 6196* | C | 954 | 12012 | 6827 | C | 2527 | 12436 | 2593 | C |
| 12580 | 10920 | 4692 | C | 2486 | 11584 | 1859 | C | 2501 | 12012 | 17634 | I | 958 | 12455 | 6931 | C |
| 5774 | 10922 | 9518 | W | 2487 | 11595 | 4580 | C | 2502 | 12013 | 6923 | C | 5833 | 12467 | 6065 | I |
| 2468 | 10967 | 7204 | C | 12585 | 11598 | 2784 | C | 2503 | 12034 | 7605 | C | 5834 | 12468 | 6028 | C |
| 12791 | 10967 | 20472 | C | 12025 | 11598 | 6966 | C | 2504 | 12039 | 3405 | C | 5835 | 12472 | 14956 | I |
| 12581 | 10986 | 19050 | C | 12026 | 11610 | 6204 | C | 2505 | 12044 | 11969 | E | 12805 | 12481* | 24158* | C |
| 12017 | 10994 | 8371 | I | 2488 | 11611 | 9094 | C | 2506 | 12048 | 7694 | C | 12040 | 12486 | 7200 | C |
| 5775 | 11000 | 13387 | C | 12796 | 11613 | -258 | C | 5821 | 12068 | 4424 | C | 959 | 12494 | 7131 | C |
| 5776 | 11024 | 17966 | C | 947 | 11623 | 6985 | C | 952 | 12072 | 9414 | C | 12596 | 12510 | 828 | I? |
| 12792 | 11027 | 20467 | I | 12027 | 11628 | 6402 | C | 2507 | 12074 | 19637 | C | 2529 | 12525 | 7703 | C |
| 2469 | 11054 | 5941 | v? | 12586 | 11640 | 4680 | C | 5822 | 12092 | 18518 | v? | 5837 | 12529 | 15212 | E |
| 5778 | 11075 | 6056 | v? | 12587 | 11676 | 19368 | C | 2508 | 12109 | 7585 | C | 12996 | 12532 | 781 | RR |
| 2470 | 11084 | 10714 | C | 12326 | 11683* | 6654* | L | 12033 | 12126 | 11274 | I | 2530 | 12533 | 7824 | I |
| 5779 | 11106 | 6306 | C? | 5799 | 11706 | 9774 | I | 12594 | 12132 | 2532 | C | 2531 | 12544 | 7312 | C |
| 2471 | 11118 | 8807 | C | 12589 | 11718 | 19602 | C | 2510 | 12161 | 12418 | C | 961 | 12547 | 7235 | C |
| 5780 | 11118 | 9048 | C | 5800 | 11720 | 9381 | C | 12801 | 12179 | 20887 | I | 960 | 12553 | 8062 | C |
| 940 | 11124 | 10414 | E | 5801 | 11720 | 18180 | I | 5824 | 12203 | 10481 | I | 2532 | 12554 | 9582 | Cyc |
| 941 | 11155 | 8848 | C | 2489 | 11726 | 6726 | C | 955 | 12209 | 16206 | C | 5838 | 12560 | 5944 | I |
| 13031* | 11164* | 6259* | C | 12797 | 11731 | -669 | C | 2511 | 12214 | 6803 | I? | 12042 | 12576 | 7068 | I |
| 2472 | 11176 | 11524 | C | 948 | 11738 | 6585 | C | 2512 | 12216 | 7740 | C | 2534 | 12594 | 4694 | C |
| 942 | 11185 | 5983 | I | 2490 | 11744 | 5628 | C | 12988 | 12216 | 20960 | C | 962 | 12596 | 7567 | C |
| 943 | 11214 | 10357 | C | 5803 | 11744 | 8960 | C | 2513 | 12219 | 7156 | C | 12043 | 12636 | 7272 | C |
| 2473 | 11233 | 4745 | C | 2491 | 11756 | 13724 | C | 2514 | 12232 | 7240 | C | 12807 | 12638 | 23640 | C |
| 5783 | 11244 | 19976 | C | 5804 | 11780 | 19086 | I | 12804 | 12235 | -1779 | C | 2536 | 12649 | 12369 | C |
| 12582 | 11268 | 816 | C | 5805 | 11784 | 17072 | I | 12905 | 12242* | 10790* | C | 966 | 12664 | 2321 | R CrB |
| 944 | 11280 | 7922 | C | 5809 | 11811 | 6395 | C | 2515 | 12249 | 7203 | C | 5840 | 12678 | 3090 | C |
| 12019 | 11286 | 7224 | C | 2890 | 11813 | 21590 | I | 956 | 12258 | 7524 | C | 12599 | 12684 | 19752 | I |
| 2474 | 11298 | 6315 | C | 2492 | 11820 | 8704 | RR | 12036 | 12276 | 7416 | I | 12044 | 12702 | 7140 | I |
| 12793 | 11304 | 22249 | Cyc | 5810 | 11825 | 8802 | L | 2583 | 12281 | 12167 | I | 5841 | 12710 | 5445 | C |
| 5787 | 11317 | 14160 | C | 12799 | 11825 | 21329 | I | 2516 | 12285 | 8442 | C | 2538 | 12734 | 12072 | C |
| 2475 | 11334 | 8154 | v? | 2493 | 11831 | 5994 | I | 12802 | 12287 | 20384 | I | 2539 | 12746 | 6559 | C |
| 12020 | 11352 | 6996 | C | 12800 | 11831 | 20682 | I? | 12911 | 12290* | 10719* | C | 2540 | 12749 | 6695 | C |
| 945 | 11395 | 6846 | C | 2494 | 11832 | 4779 | C | 5826 | 12298 | 6934 | C | 2541 | 12750 | 5394 | C |
| 946 | 11404 | 7959 | I | 5811 | 11846 | 11816 | C? | 12037 | 12300 | 6900 | C | 12045 | 12750 | 6126 | C |
| 12021 | 11411 | 5958 | C | 5812 | 11852 | 1215 | C | 2517 | 12300 | 7083 | C | 5842 | 12757 | 18519 | I? |
| 2476 | 11421 | 6704 | C | 12030 | 11856 | 6708 | C | 5827 | 12306 | 1313 | v? | 965 | 12760 | 7155 | C |
| 12022 | 11430 | 6672 | C | 12031 | 11862 | 7314 | C | 2518 | 12315 | 5894 | C | 12809 | 12762 | 23469 | C |
| 2477 | 11434 | 6554 | C | 950 | 11869 | 7304 | C | 957 | 12317 | 9946 | I | 2542 | 12775 | 6336 | C |
| 12583 | 11436 | 20100 | C? | 12592 | 11874 | 4818 | I | 5825 | 12319 | 7127 | C | 2543 | 12779 | 16774 | E |
| 5791 | 11439 | 9007 | C | 5813 | 11904 | 11683 | I | 5828 | 12320 | 5357 | v? | 964 | 12784 | 16495 | Nova? |
| 2478 | 11440 | 7634 | C | 5814 | 11906 | 17988 | I | 5829 | 12324 | 3343 | W | 968 | 12786 | 7184 | C |
| 2479 | 11462 | 8624 | I | 5815 | 11924 | 10380 | I | 2519 | 12339 | 5827 | C | 12046 | 12792 | 6528 | C |
| 2480 | 11467 | 7346 | C | 5816 | 11930 | 9540 | E | 2520 | 12353 | 7166 | C | 5845 | 12796 | 16636 | C? |
| 2481 | 11472 | 6010 | C | 5817 | 11935 | 5893 | C | 12228 | 12354 | 8352 | E | 12048 | 12798 | 8040 | L |
| 12023 | 11472 | 6996 | C | 12032 | 11952 | 7452 | C | 2521 | 12354 | 8353 | C | 2544 | 12803 | 9568 | I |

TABLE 2.—*Variable stars arranged in order of X—continued*

| HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type |
|--------|--------|-------|------|--------|--------|--------|------|-------|-------|-------|------|--------|--------|--------|------|
| 963 | 12803 | 17885 | Cyc | 975 | 13267* | 7812* | C | 5881 | 13722 | 6658 | C | 5902 | 14140 | 13883 | v? |
| 12812 | 12807 | -816 | C | 978 | 13280 | 6746 | C | 988 | 13734 | 4291 | C | 12061 | 14166 | 9168 | I |
| 967 | 12820 | 5441 | C | 5865 | 13284 | 8044 | C? | 12816 | 13754 | 21606 | C | 2626 | 14202 | 9101 | I |
| 970 | 12840 | 7606 | C | 2574 | 13314 | 7106 | C | 5884 | 13764 | 10785 | C | 5904 | 14216 | 16184 | I |
| 2545 | 12841 | 5777 | C | 5867 | 13336 | 8400 | v? | 984 | 13766 | 8666 | C | 5905 | 14218 | 2500 | C |
| 2547 | 12847 | 6581 | C | 2575 | 13338 | 14775 | L | 12817 | 13773 | 21339 | I | 2627 | 14224 | 15995 | I |
| 2548 | 12854 | 8862 | I | 979 | 13345 | 7228 | C | 987 | 13774 | 6401 | C | 2628 | 14225 | 4933 | C |
| 2549 | 12865 | 667 | C | 2576 | 13353 | 6586 | L | 2592 | 13775 | 7576 | C | 5907 | 14226 | 6710 | C |
| 12049 | 12870 | 7092 | C | 5868 | 13360 | 7072 | v? | 2593 | 13780 | 3660 | C | 2629 | 14233 | 9773 | E |
| 12050 | 12912 | 6876 | v? | 5869 | 13373 | 13157 | I | 2594 | 13786 | 1984 | C | 5908 | 14236 | 6540 | v? |
| 12051 | 12918 | 5988 | C | 5870 | 13384 | 9840 | L | 2595 | 13796 | 16286 | I | 5909 | 14238 | 6793 | C |
| 13033* | 12929* | 6561* | L | 2577 | 13385 | 429 | I | 12059 | 13806 | 7350 | I | 2630 | 14241 | 6741 | C |
| 12602 | 12936 | 2160 | I | 2578 | 13401 | 7350 | L | 2596 | 13808 | 8177 | C | 990 | 14249 | 19308 | v? |
| 2550 | 12936 | 19212 | C? | 12054 | 13410 | 6288 | I | 2597 | 13815 | 7753 | E | 13037* | 14254* | 25274* | C |
| 972 | 12944 | 7146 | C | 12607 | 13422 | 18990 | I | 12613 | 13824 | 4314 | C | 5910 | 14256 | 6124 | C |
| 2551 | 12947 | 8514 | I? | 2579 | 13424 | 15785 | C | 2598 | 13838 | 8370 | C | 2633 | 14258 | 6771 | C? |
| 5847 | 12948 | 19876 | I | 12608 | 13428 | 18804 | I | 2599 | 13839 | 3685 | C | 2634 | 14259 | 6544 | C |
| 12052 | 12954 | 6846 | C | 5872 | 13434 | 19086 | E | 5890 | 13844 | 7326 | I | 995 | 14275 | 6936 | C |
| 969 | 12954 | 12485 | C | 981 | 13446 | 7471 | E | 989 | 13845 | 6833 | C | 5911 | 14282 | 10444 | v? |
| 2552 | 12957 | 7006 | C | 2580 | 13451 | 20264 | C | 12818 | 13862 | 20658 | I | 2635 | 14287 | 9544 | I? |
| 5849 | 12965 | 5376 | v? | 2581 | 13453 | 7026 | C | 992 | 13876 | 6324 | C | 13038* | 14303* | 23474* | C |
| 2553 | 12974 | 18173 | C | 2582 | 13459 | 10233 | C | 2602 | 13886 | 10290 | Cyc | 2636 | 14314 | 15206 | C |
| 973 | 12996 | 6576 | C | 12609 | 13482 | 4422 | I | 12614 | 13890 | 20184 | C? | 2637 | 14326 | 15384 | C |
| 5495 | 13000 | 10296 | I | 5875 | 13484 | 10818 | C | 991 | 13901 | 6746 | C | 2638 | 14340 | 7945 | C |
| 5851 | 13002 | 6100 | C | 2584 | 13491 | 8564 | C | 12823 | 13905 | 194 | C | 12821 | 14340 | 23628 | C |
| 5852 | 13010 | 3470 | I | 2585 | 13492 | 9123 | C | 2603 | 13910 | 7530 | C | 12820 | 14346 | 25035 | C? |
| 12605 | 13020 | 4458 | E | 2586 | 13518 | 17774 | L | 2604 | 13915 | 9314 | L | 2640 | 14356 | 5905 | I |
| 2554 | 13021 | 6982 | I | 12819 | 13528 | -758 | I | 2606 | 13916 | 7282 | C | 2641 | 14358 | 2174 | I |
| 2555 | 13034 | 19143 | L | 13034* | 13541* | 21445* | E? | 2608 | 13943 | 7357 | E | 5912 | 14360* | 7350* | C |
| 974 | 13047 | 7347 | C | 983 | 13543 | 5729 | C | 2609 | 13946 | 2315 | C? | 2642 | 14360 | 18566 | I? |
| 2556 | 13047 | 9784 | I | 2587 | 13546 | 19254 | C | 5892 | 13948 | 18117 | C | 2643 | 14383 | 6613 | C |
| 971 | 13054 | 17255 | C | 12056 | 13548 | 10242 | C | 2610 | 13954 | 7308 | C | 2644 | 14385 | 6715 | E? |
| 2557 | 13055 | 2394 | C | 5876 | 13548 | 13394 | E | 5893 | 13960 | 20100 | I | 2646 | 14452 | 6714 | C |
| 5854 | 13056 | 17564 | L | 12057 | 13554 | 6600 | C | 12436 | 13968 | 18762 | C | 5914 | 14456 | 17536 | I |
| 12606 | 13062 | 3684 | v? | 2588 | 13554 | 8985 | C | 2612 | 14009 | 5483 | C | 2647 | 14465 | 10266 | C |
| 12811 | 13089 | 21254 | I | 13035* | 13556* | 21324* | I? | 2612 | 14010 | 8110 | C | 2648 | 14467 | 17350 | I? |
| 2558 | 13132 | 6334 | I | U 6 | 13588* | 27518* | RR | 2614 | 14014 | 7506 | C | 12617 | 14472 | 324 | I |
| 2560 | 13136 | 5506 | C | 2589 | 13605 | 7122 | C | 2615 | 14018 | 13327 | E? | 2649 | 14482 | 9234 | I |
| 12053 | 13176 | 10968 | v? | 5877 | 13612 | 17245 | C | 5895 | 14022 | 1386 | I? | 2650 | 14483 | 14314 | C |
| 5861 | 13188 | 15488 | C | 2590 | 13616 | 5496 | C | 2616 | 14026 | 8316 | C | 12822 | 14501 | 20611 | I |
| 2563 | 13197 | 7110 | C | 12610 | 13620 | 19008 | E | 5896 | 14028 | 16747 | I | 5915 | 14514 | 6336 | C |
| 2565 | 13214 | 9918 | I | 12058 | 13632 | 7182 | I | 12615 | 14058 | 19032 | E | 5916 | 14514 | 20033 | I |
| 2566 | 13217 | 12285 | I | 5878 | 13632 | 18356 | I | 12998 | 14066 | 9100 | I | 2651 | 14519 | 10386 | E |
| 2567 | 13227 | 11285 | I | 13036* | 13646* | 7213* | C | 12826 | 14069 | 7 | C | 12829 | 14542 | -162 | C |
| 2568 | 13233 | 7076 | C | 982 | 13654 | 9686 | E | 986 | 14074 | 15934 | I | 2653 | 14545 | 1441 | C |
| 5863 | 13233 | 10145 | v? | 2591 | 13657 | 7998 | C | 994 | 14075 | 6365 | C | 5917 | 14552 | 18306 | v? |
| 12813 | 13238 | 21313 | C? | 12994 | 13666 | 2587 | C | 2618 | 14084 | 3385 | v? | 996 | 14563 | 14165 | Cyc |
| 5864 | 13240 | 1517 | E | 12611 | 13668 | 2628 | I | 2619 | 14104 | 6965 | C | 2654 | 14564 | 5786 | C |
| 2569 | 13243 | 6741 | C | 12814 | 13672 | 22722 | C | 6108 | 14105 | 20641 | I | 2655 | 14581 | 8902 | I |
| 2570 | 13246 | 9135 | I | 12612 | 13680 | 19416 | C? | 2620 | 14112 | 8054 | C | 5920 | 14582 | 6950 | C? |
| 2571 | 13251 | 5386 | C | 980 | 13695 | 15482 | C | 2622 | 14115 | 3164 | C | 13008 | 14584 | 15400 | v? |
| 2572 | 13252 | 9039 | L | 985 | 13714 | 7055 | C | 2623 | 14125 | 16463 | C | 12618 | 14598 | 756 | C |
| 977 | 13265* | 7805* | C? | 12815 | 13714 | 21461 | C | 2624 | 14127 | 7034 | C | 2656 | 14600 | 12387 | E |

TABLE 2.—Variable stars arranged in order of X—continued

| HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type |
|--------|--------|--------|------|--------|--------|-------|------|--------|--------|--------|------|-------|-------|-------|------|
| 12619 | 14604 | 20040 | C | 2679 | 15108 | 8926 | I | 12330 | 15678 | 5280 | C | 2733 | 16274 | 18366 | C |
| 2657 | 14606 | 5266 | C | 2680 | 15140 | 16095 | C | 1005 | 15689 | 10884 | C | 2734 | 16276 | 4234 | C |
| 12620 | 14610 | 4128 | L | 5939 | 15140 | 17684 | I | 5961 | 15700 | 18613 | I | 5978 | 16283 | 14780 | C |
| 12830 | 14622 | -493 | Cyc | 1000 | 15147 | 13894 | C | 12626 | 15702 | 3114 | C | 2735 | 16287 | 4912 | C |
| 12621 | 14628 | 2280 | C | 5940 | 15148 | 9080 | C | 2708 | 15719 | 6743 | C | 2736 | 16315 | 4946 | C |
| 2658 | 14632 | 5691 | C | 2681 | 15156 | 9336 | I | 2709 | 15721 | 5665 | C | 1012 | 16327 | 4254 | C |
| 2659 | 14634 | 14102 | I? | 5941 | 15156 | 17532 | I? | 13042* | 15725* | 6144* | C | 2737 | 16344 | 5306 | C |
| 5921 | 14636 | 18516 | C | 2682 | 15157 | 13332 | C | 2710 | 15740 | 5642 | C | 2738 | 16352 | 18817 | C |
| 2660 | 14638 | 7155 | C | 999 | 15166 | 14530 | C | 5962 | 15742 | 1899 | C | 2739 | 16354 | 4310 | C |
| 5922 | 14648 | 11044 | I | 2683 | 15172 | 2241 | C | 12627 | 15744 | 2508 | C | 2740 | 16354 | 9601 | I? |
| 12824 | 14656 | 23055 | C | 12624 | 15180 | 3300 | C | 1002 | 15754 | 18573 | C | 12630 | 16374 | 3798 | C |
| 5923 | 14660 | 15820 | I? | 5942 | 15180 | 5720 | I | 12244 | 15755 | -1739 | E | 1011 | 16411 | 5448 | I |
| 2661 | 14667 | 15955 | C | 2684 | 15215 | 5024 | C | 2711 | 15761 | 2650 | C | 5979 | 16426 | 5462 | C |
| 2662 | 14678 | 20180 | C | 5943 | 15220 | 18440 | E | 2712 | 15804 | 5682 | C | 2741 | 16434 | 5146 | C |
| 5924 | 14684 | 19363 | C | 12625 | 15220 | 19278 | W | 5963 | 15806 | 5316 | E | 12332 | 16440 | 6528 | C |
| 5925 | 14686 | 17796 | I | 2685 | 15232 | 11364 | C | 2713 | 15815 | 5876 | C | 2742 | 16463 | 3337 | C |
| 2663 | 14687 | 724 | C | 2686 | 15257 | 13464 | C | 2714 | 15825 | 6066 | C | 2743 | 16469 | 17658 | I |
| 997 | 14696 | 13181 | C | 2687 | 15260 | 10930 | I | 13043* | 15848* | 6578* | C | 12631 | 16482 | 1632 | W |
| 5926 | 14705 | 6936 | C | 13041* | 15264* | 3098* | C | 12851 | 15856 | 20482 | C | 1014 | 16487 | 5364 | C |
| 2664 | 14714 | 6394 | C | 12828 | 15293 | 21215 | C | 5966 | 15866 | 14373 | I | 1007 | 16493 | 13530 | C |
| 2666 | 14727 | 10554 | C | 2688 | 15311 | 6754 | C | 5967 | 15890 | 16380 | I | 12632 | 16494 | 20070 | I? |
| 12825 | 14734 | 20665 | C | 2689 | 15312 | 2274 | C | 12441 | 15893* | 18008* | I | 2744 | 16553 | 8947 | E? |
| 2667 | 14735 | 18502 | C | 2690 | 15316 | 6242 | C | 2715 | 15906 | 6812 | C | 2745 | 16557 | 12744 | C |
| 13000 | 14736 | 15273 | v? | 12328 | 15330 | 5454 | C | 5969 | 15928 | 18059 | I | 2746 | 16573 | 13619 | C |
| 5929 | 14760 | 12048 | E | 5945 | 15344 | 19686 | I | 5970 | 15940 | 11396 | I | 5981 | 16574 | 4488 | C |
| 5930 | 14814 | 10255 | C | 5946 | 15352 | 3024 | C | 2716 | 15946 | 5174 | C | 1016 | 16574 | 5319 | C |
| 2668 | 14833 | 7516 | C | 5947 | 15360 | 16202 | I | 2717 | 15953 | 5914 | C | 5982 | 16583 | 16216 | C |
| 12437 | 14838 | 18198 | Cyc | 5948 | 15388 | 2884 | I | 1004 | 15954 | 17745 | Cyc | 5983 | 16605 | 5228 | C |
| 2669 | 14845 | 8846 | I? | 5949 | 15404 | 17384 | I | 2718 | 15966 | 5865 | C | 2747 | 16626 | 12944 | I |
| 5932 | 14868 | 14552 | C? | 2691 | 15420 | 10674 | E | 2719 | 15986 | 5244 | C | 2748 | 16637 | 5177 | C |
| 2671 | 14874 | 5820 | E? | 2692 | 15422 | 4199 | C | 2720 | 15990 | 6124 | C | 2749 | 16654 | 9021 | C |
| 2672 | 14880 | 7614 | C | 2694 | 15435 | 7976 | C | 5971 | 15994 | 18612 | C | 2750 | 16655 | 5247 | C |
| 12438 | 14880 | 18426 | I | 5951 | 15436 | 4356 | v? | 2721 | 16004 | 5207 | C | 2751 | 16665 | 5041 | C |
| 12906 | 14882 | 13271 | C | 11088 | 15442 | 9994 | I | 2722 | 16008 | 18894 | C | 12999 | 16677 | 17353 | C |
| 12439 | 14886 | 13508 | L | 5954 | 15461 | 8160 | C | 2723 | 16016 | 4799 | C | 12333 | 16679 | 5093 | C |
| 5933 | 14888 | 17240 | I | 2695 | 15464 | 5698 | C | 2724 | 16022 | 5044 | C | 2752 | 16685 | 6433 | C |
| 12440 | 14892 | 17628 | E | 12329 | 15465 | 5742 | C | 5974 | 16030 | 5348 | C | 2753 | 16688 | 8872 | I |
| 2673 | 14903 | 1251 | C | 2696 | 15466 | 5994 | C | 1006 | 16035 | 8474 | C | 2754 | 16688 | 12308 | I? |
| 12907 | 14904 | 13276 | (C) | 2697 | 15467 | 11055 | C | 2725 | 16036 | 15776 | C | 12334 | 16692 | 4836 | C |
| 13039* | 14916* | 20553* | v? | 1001 | 15475 | 14833 | L | 5975 | 16042 | 6068 | C | 12833 | 16692 | 23596 | C |
| 13040* | 14926* | 7511* | C | 5957 | 15498 | 6386 | C | 1008 | 16043 | 5632 | C | 2755 | 16716 | 9042 | C? |
| 12327 | 14928 | 5598 | C | 2698 | 15506 | 6816 | C | 1009 | 16056 | 5661 | C | 5984 | 16722 | 5776 | I |
| 2674 | 14937 | 9572 | I | 2699 | 15514 | 6374 | C | 2726 | 16060 | 6207 | C | 13001 | 16724 | 6209 | C |
| 12827 | 14945 | 20555 | C | 5958 | 15515 | 16240 | v? | 2727 | 16099 | 6655 | C | 12335 | 16728 | 6342 | C |
| 5934 | 14958 | 4196 | I? | 1003 | 15543 | 11924 | C | 5976 | 16107 | 5980 | C | 2756 | 16731 | 6504 | C |
| 2675 | 14966 | 14795 | C | 2700 | 15550 | 17346 | Cyc | 2728 | 16113 | 8449 | I | 2757 | 16738 | 4705 | C |
| 5936 | 14980 | 18844 | E | 2701 | 15590 | 5074 | v? | 1010 | 16140 | 6484 | C | 12633 | 16746 | 1542 | I |
| 5937 | 14986 | 5918 | C | 2702 | 15594 | 6734 | I | 2729 | 16144 | 4696 | C | 5986 | 16763 | 17150 | v? |
| 2676 | 15003 | 17373 | I | 2703 | 15606 | 4746 | C | 12628 | 16200 | 4488 | C | 12336 | 16776 | 5160 | C |
| 13054* | 15031* | 19067* | E | 2704 | 15619 | 7210 | C | 12331 | 16200 | 5328 | Nova | 2759 | 16785 | 5281 | C |
| 5938 | 15042 | 11238 | C | 2705 | 15634 | 16522 | C | 2731 | 16239 | 15234 | E | 12443 | 16806 | 18060 | I |
| 998 | 15052 | 15183 | C | 2706 | 15661 | 6214 | C | 2732 | 16269 | 8484 | I | 2761 | 16815 | 9024 | I |
| 2677 | 15066 | 10324 | Cyc | 2707 | 15671 | 5714 | I | 12629 | 16272 | 4236 | I | | | | |

TABLE 2.—*Variable stars arranged in order of X—continued*

| HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type |
|--------|--------|-------|------|-------|--------|--------|------|-------|-------|-------|------|-------|--------|-------|-------|
| 13044* | 16827* | 9027* | I | 5999 | 17297 | 8264 | I? | 6027 | 18140 | 16706 | v? | 12657 | 19020 | 3222 | C |
| 12837 | 16830 | -184 | C | 2783 | 17298 | 4644 | C | 2813 | 18155 | 16556 | C | 12658 | 19020 | 5076 | C |
| 5988 | 16830 | 4818 | v? | 6000 | 17302 | 15548 | v? | 12643 | 18162 | 18846 | RR | 2839 | 19045 | 9664 | C |
| 2762 | 16834 | 5375 | C | 2784 | 17304 | 5131 | C | 6029 | 18198 | 12572 | E | 12659 | 19050 | 14046 | C |
| 2763 | 16837 | 8066 | L | 2785 | 17308 | 15909 | C | 1020 | 18203 | 11346 | E | 12660 | 19062 | 17760 | C |
| 5989 | 16840 | 8126 | E | 6001 | 17312 | 3873 | E? | 12644 | 18222 | 5160 | C | 6043 | 19078 | 14580 | v? |
| 2764 | 16841 | 7650 | I | 6002 | 17317 | 9420 | I | 2814 | 18245 | 9381 | C | 2840 | 19093 | 19585 | C |
| 12832 | 16856 | 24906 | C | 2786 | 17323 | 18586 | C | 2815 | 18264 | 9033 | C | 12661 | 19094 | 18240 | C |
| 12839 | 16859 | -1426 | C | 2787 | 17324 | 9946 | C | 6030 | 18264 | 12402 | I | 2841 | 19097 | 18514 | C |
| 2765 | 16864 | 9261 | E | 6003 | 17325 | 16298 | I | 2816 | 18266 | 15712 | C | 6044 | 19100 | 16060 | C |
| 12337 | 16878 | 5262 | C | 2788 | 17329 | 11914 | C | 6031 | 18271 | 16722 | I | 12062 | 19104 | 11436 | C |
| 13004 | 16879 | 5869 | I | 6004 | 17339 | 10920 | C | 1021 | 18274 | 8226 | C | 2842 | 19106 | 3849 | C |
| 5990 | 16889 | 3796 | I | 2789 | 17345 | 7667 | C | 2817 | 18278 | 17118 | C | 12841 | 19144 | 23158 | C |
| 2766 | 16889 | 5367 | C | 2790 | 17381 | 9560 | C | 6032 | 18280 | 16202 | C | 12843 | 19173 | 20657 | C |
| 13045* | 16892* | 8184* | E | 2791 | 17402 | 4364 | C | 12645 | 18282 | 3540 | C | 12063 | 19194 | 8688 | E |
| 12634 | 16902 | 1860 | E | 2792 | 17406 | 7182 | C | 2818 | 18288 | 7057 | v? | 12662 | 19200 | 4920 | C |
| 12338 | 16908 | 5166 | C | 12836 | 17485 | 22867 | I | 6034 | 18298 | 16282 | v? | 2843 | 19224 | 17008 | C |
| 2767 | 16912 | 5303 | C | 2793 | 17574 | 11304 | C | 2819 | 18315 | 14801 | I | 6047 | 19248 | 17958 | v? |
| 12635 | 16920 | 3036 | C | 2794 | 17574 | 16738 | C | 12848 | 18381 | 200 | I? | 1023 | 19269 | 13038 | C |
| 12339 | 16920 | 5490 | C | 5994 | 17630* | 8106* | I | 2820 | 18400 | 5806 | C | 2844 | 19272 | 4717 | C |
| 12838 | 16932 | -459 | C | 1019 | 17655 | 6044 | C | 12646 | 18402 | 4872 | C | 2845 | 19290 | 16970 | C |
| 12340 | 16974 | 5310 | C | 2795 | 17675 | 10752 | C | 2821 | 18414 | 13144 | C | 12663 | 19302 | 5688 | C |
| 5991 | 16980 | 11660 | C? | 6011 | 17677 | 16595 | C | 12647 | 18420 | 3210 | C | 12664 | 19320 | 3384 | C |
| 12341 | 16992 | 4578 | C | 2796 | 17686 | 11644 | C | 2823 | 18421 | 16249 | I | 2846 | 19337 | 14864 | C |
| 12834 | 16999 | 25287 | C | 2797 | 17706 | 16956 | C | 12648 | 18480 | 17826 | C | 6049 | 19358 | 17496 | v? |
| 12835 | 17031 | 20628 | C | 6012 | 17716 | 6787 | C | 1018 | 18480 | 18030 | C | 6050 | 19378 | 17522 | C |
| 2768 | 17050 | 6804 | I | 6013 | 17740 | 10659 | C | 12649 | 18492 | 2304 | C | 12665 | 19380 | 14952 | C |
| 2769 | 17050 | 14706 | C | 2798 | 17751 | 9629 | I | 12650 | 18492 | 5022 | I? | 2847 | 19395 | 16085 | C |
| 5980 | 17055* | 5536* | C | 2799 | 17782 | 15645 | C | 12651 | 18504 | 19824 | C | 6042 | 19407* | 4785* | v? |
| 13046* | 17057* | 3106* | Cyc | 2800 | 17788 | 15166 | I | 2824 | 18525 | 11559 | C | 6051 | 19408 | 10325 | C |
| 1013 | 17060 | 14414 | C | 6015 | 17793 | 15306 | C | 2825 | 18584 | 15974 | C? | 12666 | 19452 | 2490 | C |
| 2771 | 17074 | 7806 | C | 2801 | 17807 | 16574 | C | 2826 | 18588 | 11403 | C | 12667 | 19458 | 3840 | L |
| 12342 | 17094 | 5106 | C | 6016 | 17808 | 13712 | C | 6038 | 18620 | 11839 | C | 12668 | 19488 | 4800 | C |
| 12343 | 17100 | 5306 | I? | 6017 | 17842 | 17960 | C | 2827 | 18633 | 18884 | C | 12064 | 19488 | 6576 | C |
| 5992 | 17117 | 17240 | I | 6018 | 17880 | 8453 | C | 2828 | 18643 | 5771 | C | 2848 | 19489 | 15408 | C? |
| 5993 | 17120 | 8863 | I | 2802 | 17906 | 16774 | C | 6039 | 18664 | 6264 | I | 6054 | 19509 | 12176 | C |
| 2772 | 17123 | 3679 | C | 2803 | 17909 | 15024 | C | 12652 | 18672 | 3822 | C | 12844 | 19512 | 23330 | C |
| 2773 | 17137 | 10945 | C | 6022 | 17920 | 16981 | C | 1022 | 18675 | 9300 | E | 6056 | 19530 | 7102 | I |
| 12636 | 17142 | 3072 | C | 6020 | 17933* | 19681* | I | 12653 | 18690 | 20190 | C? | 12065 | 19530 | 11064 | C |
| 2774 | 17144 | 11038 | E | 6023 | 17934 | 4632 | C | 2830 | 18695 | 16807 | I? | 6057 | 19542 | 6994 | I |
| 2775 | 17152 | 4969 | C | 2804 | 17934 | 18360 | I | 2831 | 18804 | 16128 | C? | 12842 | 19543 | 26775 | R CrB |
| 2776 | 17156 | 10864 | I | 12640 | 17940 | 2556 | C | 2832 | 18825 | 14658 | C | 2849 | 19574 | 16425 | Cyc |
| 2777 | 17185 | 5538 | C | 2805 | 17951 | 5014 | C | 12997 | 18831 | 20531 | I | 2850 | 19575 | 15448 | I |
| 12637 | 17196 | 5388 | C | 12641 | 17970 | 2322 | I | 2833 | 18845 | 17661 | C | 6063 | 19586* | 7410* | C |
| 1017 | 17207 | 9064 | I | 2807 | 17973 | 16748 | C | 2834 | 18852 | 19990 | I | 2851 | 19635 | 5280 | C |
| 2778 | 17219 | 7886 | I | 6025 | 17981 | 16607 | C | 2835 | 18877 | 7095 | C | 6059 | 19716 | 15895 | C |
| 5996 | 17220 | 17180 | C | 12642 | 18000 | 3888 | C | 6040 | 18884 | 16002 | I | 2852 | 19761 | 14077 | I |
| 5997 | 17224 | 18035 | C | 2808 | 18004 | 4507 | C | 12656 | 18918 | 996 | C | 6060 | 19772 | 10178 | C |
| 2779 | 17225 | 11146 | C | 2809 | 18033 | 13742 | C | 2836 | 18956 | 15957 | C | 2853 | 19772 | 13759 | C |
| 2780 | 17245 | 5500 | C | 2810 | 18043 | 14302 | C | 12909 | 18961 | 1155 | C | 6061 | 19782 | 13417 | C? |
| 2781 | 17254 | 9143 | I | 2811 | 18094 | 13733 | C | 2837 | 18969 | 13844 | C | 12845 | 19794 | 23001 | C |
| 2782 | 17263 | 17688 | C | 6026 | 18098 | 16122 | I | 12908 | 18982 | 1184 | C | 6062 | 19861 | 4723 | I |
| 12638 | 17268 | 19470 | C | 2812 | 18105 | 4173 | C | 2838 | 18997 | 14514 | C | 12669 | 19908 | 16278 | C |

TABLE 2.—Variable stars arranged in order of X—continued

| HV | X | Y | Type | HV | X | Y | Type | HV | X | Y | Type |
|--------|--------|--------|-------|-------|--------|-------|------|-------|-------|-------|-------|
| 12856 | 19912 | -1204 | v? | 2871 | 21054 | 15984 | C | 2882 | 23273 | 3883 | L |
| 2854 | 19946 | 17415 | C | 6078 | 21099 | 10974 | E | 12701 | 23304 | 15618 | C |
| 2855 | 19956 | 15354 | C | 12681 | 21180 | 13164 | C | 12858 | 23330 | 23155 | C |
| 2856 | 19983 | 16553 | C | 12862 | 21194 | -626 | I | 12860 | 23577 | 22598 | I |
| 2857 | 19993 | 15678 | I | 2872 | 21244 | 17183 | C | 12703 | 23652 | 792 | SS |
| 2858 | 20004 | 16542 | C | 2873 | 21255 | 15287 | C | 12704 | 23682 | 14004 | C |
| 13047* | 20007* | 17474* | C | 2875 | 21268 | 12681 | C | 12861 | 23693 | 21109 | I |
| 2859 | 20031 | 5800 | C | 2874 | 21275 | 16633 | C | 12079 | 23736 | 11274 | C |
| 12229 | 20040 | 7512 | C | 12682 | 21282 | 14472 | C | 12705 | 24072 | 8682 | E? |
| 2860 | 20097 | 13203 | I | 12683 | 21300 | 6480 | C | 6097 | 24227 | 14680 | C |
| 6064 | 20104 | 15944 | C | 12684 | 21330 | 7722 | C | 12867 | 24260 | 13715 | C |
| 12670 | 20148 | 2544 | C? | 12685 | 21336 | 7680 | C | 12863 | 24292 | 13432 | I |
| 12671 | 20148 | 15072 | R CrB | 2876 | 21417 | 16254 | C | 12864 | 24567 | 11638 | v? |
| 6070 | 20193* | 8192* | W | 6083 | 21470 | 17617 | RR | 12865 | 25193 | 12280 | E? |
| 12846 | 20194 | 22754 | C | 12686 | 21498 | 15228 | C | 12248 | 25224 | 12330 | C |
| 12672 | 20196 | 2784 | C | 12687 | 21564 | 10386 | C | 12080 | 25226 | 11115 | C |
| 12066 | 20232 | 7824 | C | 6085 | 21584 | 15818 | C | 12081 | 25512 | 11742 | C |
| 6065 | 20281 | 7545 | C | 12688 | 21612 | 16248 | C | 12247 | 25668 | 23676 | L |
| 2861 | 20302 | 14878 | C | 12853 | 21628 | 19244 | C? | 12254 | 25696 | -7306 | RR |
| 12673 | 20304 | 19818 | I | 6086 | 21644 | 5653 | C | 12873 | 25763 | 3930 | R CrB |
| 12857 | 20339 | -372 | RR | 6087 | 21656 | 14380 | E? | 12874 | 26127 | 1338 | C |
| 2862 | 20346 | 6734 | W | 6081 | 21686* | 9259* | C | 12871 | 26155 | 10513 | RR |
| 6066 | 20356 | 14545 | C | 12246 | 21765 | 27083 | I? | 12869 | 26250 | 11897 | C |
| 6067 | 20370 | 10857 | C | 2877 | 21881 | 12474 | C | 12249 | 26860 | 17189 | L |
| 12674 | 20370 | 16632 | C | 2878 | 21969 | 17206 | W | 12252 | 26922 | 9096 | L |
| 12067 | 20382 | 8442 | C | 12852 | 21978 | 23188 | RR | 12250 | 27052 | 16737 | RR |
| 2863 | 20405 | 17687 | C | 2879 | 22013 | 15082 | C | 12253 | 27421 | 10028 | C |
| 12675 | 20430 | 17172 | C | 12691 | 22020 | 5880 | RR | 12251 | 27762 | 16129 | RR |
| 12676 | 20448 | 16428 | C | 6089 | 22041 | 6091 | C | | | | |
| 12068 | 20550 | 7302 | C | 12692 | 22080 | 13668 | C | | | | |
| 6069 | 20558 | 9166 | I | 12693 | 22140 | 15552 | C? | | | | |
| 2864 | 20629 | 17224 | C | 12072 | 22224 | 8796 | C | | | | |
| 2865 | 20660 | 16283 | C | 12694 | 22236 | 14862 | C | | | | |
| 6071 | 20668 | 12186 | E? | 6091 | 22316 | 13360 | C | | | | |
| 6072 | 20680 | 13059 | I | 12074 | 22326 | 7482 | C | | | | |
| 12245 | 20714 | 27073 | RR | 12695 | 22380 | 10836 | I? | | | | |
| 12850 | 20748 | 21850 | I | 10642 | 22386 | 10224 | Nova | | | | |
| 12849 | 20753 | 22288 | C | 6092 | 22423 | 16312 | C | | | | |
| 13005 | 20755 | 17814 | I | 12854 | 22443 | 25869 | L | | | | |
| 6073 | 20760 | 5658 | I | 2880 | 22491 | 15756 | C | | | | |
| 2866 | 20855 | 15279 | C | 2881 | 22613 | 14571 | I | | | | |
| 12677 | 20862 | 17898 | v? | 12696 | 22650 | 6882 | C | | | | |
| 12069 | 20868 | 7080 | C | 12076 | 22686 | 8766 | C | | | | |
| 6074 | 20904 | 13687 | I | 12697 | 22698 | 14520 | C | | | | |
| 12070 | 20916 | 9108 | L | 6093 | 22820 | 10916 | C | | | | |
| 12678 | 20922 | 14346 | C | 12077 | 22878 | 9348 | C | | | | |
| 12679 | 20940 | 17640 | C | 12855 | 22912 | 24085 | C | | | | |
| 2867 | 20944 | 16586 | C | 12231 | 22965 | 9105 | C | | | | |
| 12680 | 21000 | 5268 | C? | 12698 | 22980 | 15690 | C | | | | |
| 2868 | 21004 | 8097 | C | 12078 | 22992 | 12258 | C | | | | |
| 13048* | 21014* | 16682* | C | 12699 | 23040 | 1710 | C | | | | |
| 2869 | 21020 | 15698 | C | 12700 | 23166 | 14742 | C | | | | |
| 2870 | 21028 | 8109 | v? | 6096 | 23238 | 11726 | L | | | | |

TABLE 3.—*Duplications and alternative names*

| HV | HV | HV | HV | HV |
|-----------------|----------------------------|---------------------------|---------------------------|----------------|
| 90 S Doradus | 2685 Y Doradus | 5733 TW Doradus | 12223 W 19 | 12410 HV 8037 |
| 884 RX Doradus | 2738 RU Doradus | 5810 TX Doradus | 12224 W 32 | 12458 HV 2236 |
| 886 W 21 | 2740 Z Doradus | 5820 HV 5810 (TZ Doradus) | 12225 W 33 | 12521 W 27 |
| 966 W Mensae | 2761 RS Doradus | 6035 UU Doradus | 12226 W 29 | 12533 W 12 |
| 2235 HV 12738 | 2765 RR Doradus | 6078 HV 12071 | 12230 UX Doradus | 12549 HV 5610 |
| 2236 HV 12458 | 2874 HV 6080 | 6080 HV 2874 | 12237 W 16 | 12564 HV 6102 |
| 2241 W 39 | 2882 RU Mensae | 6081 HV 12689 | 12238 W 15 | 12603 HV 12051 |
| 2251 W 40 | 2883 HV 8039 | 6098 W 1 | 12239 SX Doradus, W 6 | 12616 HV 2628 |
| 2254 W 20 | 2884 W 4 | 6100 HV 2934, U Doradus | 12240 W 7 | 12623 HV 2683 |
| 2258 SW Doradus | 2934 HV 6100, U Doradus | 6102 HV 12564 | 12241 W 8 | 12689 HV 6081 |
| 2294 W 46 | 4004 RY Doradus, Nova 1926 | 7641 HV 12250, HD 271924 | 12242 W 50 | 12703 HV 12866 |
| 2323 SZ Doradus | 4080 RZ Doradus | 7862 Nova 1936 | 12245 UV Doradus | 12738 HV 2235 |
| 2370 T Mensae | 5497 W 36 | 8034 RT Mensae | 12246 UW Doradus | 12747 W 10 |
| 2397 TV Doradus | 5531 W 26 | 8039 HV 2883 | 12247 UY Doradus | 12748 W 5 |
| 2428 HV 5718 | 5541 W 24 | 12025 HV 12028 | 12248 UZ Doradus | 12749 W 9 |
| 2435 RW Doradus | 5557 SY Doradus | 12028 HV 12025 | 12249 VV Doradus | 12751 HV 12752 |
| 2492 TV Doradus | 5602 TT Doradus | 12035 HV 2512 | 12250 VW Doradus, HV 7641 | 12752 HV 12751 |
| 2512 HV 12035 | 5610 HV 12549 | 12051 HV 12603 | 12251 VX Doradus | 12866 HV 12703 |
| 2628 HV 12616 | 5651 TU Doradus | 12071 HV 6078 | 12252 SV Doradus | 12989 HV 5732 |
| 2672 X Doradus | 5718 HV 2428 | 12219 W 17 | 12254 RV Mensae | |
| 2683 HV 12623 | 5732 HV 12989 | 12220 W 35 | 12255 RW Mensae | |

TABLE 4.—*Published coordinates of stars discovered twice*

| HV | X | Y | = | HV | X | Y | Differences | | |
|-------------------|--|---------|---|-------------------|---|-------------|-------------|-----|--|
| | | | | | | | X | Y | |
| 2235 | 617" | 17776" | | 12738 | 632" | 17790" | 15" | 14" | |
| 2236 | 834 | 7678 | | 12458 | 804 | 17662 | 30 | 16 | |
| 2428 | 9695 | 9580 | | 5718 | 9686 | 9572 | 09 | 08 | |
| 2512 | 12216 | 7740 | | 12035 | 12210 | 7722 | 06 | 18 | |
| 2628 | 14225 | 4933 | | 12616 | 14232 | 4938 | 07 | 05 | |
| 2683 | 15172 | 2241 | | 12623 | 15168 | 2244 | 04 | 03 | |
| 2874 | 21275 | 16633 | | 6080 | 21275 | 16640 | 00 | 07 | |
| 5610 | 6518 | 19444 | | 12549 | 6510 | 19500 | 08 | 56 | |
| 5732 | 9922 | 9964 | | 12989 | 9922 | 9945 | 00 | 19 | |
| 6078 | 21099 | 10974 | | 12071 | 21096 | 10866 | 03 | 108 | |
| 6081 | 21686* | 9259* | | 12689 | 21630 | 9228 | 56 | 31 | |
| 6102 | 8264 | 20141 | | 12564 | 8268 | 20124 | 04 | 17 | |
| 12025 | 11598 | 6966 | | 12028 | 11628 | 6948 | 30 | 18 | |
| 12051 | 12918 | 5988 | | 12603 | 12942 | 5976 | 24 | 12 | |
| 12703 | 23652 | 792 | | 12866 | 23590 | 718 | 62 | 74 | |
| 12751 | 6601 | -622 | | 12752 | 6644 | -503 | 43 | 119 | |
| R. A. (1900) Dec. | | | | R. A. (1900) Dec. | | | | | |
| 7641 | 6 ^h 7 ^m 9 ^s | -66°58' | | 12250 | 6 ^h 7 ^m 53 ^s | -66°55'4 18 | 40 | | |

TABLE 5.—*Cepheid variables*

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M-m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. |
|--------|------|--------|-------|-----------|----------|--------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--------------------|------------------|------|------|
| 12024 | 1148 | 11520" | 8178" | 1.51289: | 1.512879 | 0.1182 | 15 ^m 53 | 15 ^m 32 | 15 ^m 72 | 0 ^s .29 | 0 ^s .215 | 0 ^s .124 | 0 ^s .348 | 0 ^s .80 | 30314.443 | 404 | |
| 12833 | 1614 | 16692 | 23596 | ... | 1.329630 | 0.1237 | 15.93 | 16.78 | 16.23 | 0.85 | 0.420 | 0.165 | 0.357 | 0.00 | 27457.374 | 183 | P? |
| 13032 | 1706 | 11582 | 6196 | ... | 1.552986 | 0.1912 | 16.37 | 17.01 | 16.70 | 0.64 | 0.500 | 0.278 | 0.488 | 0.30 | 30620.435 | 270 | P? |
| W 3 | 1729 | 2810 | 21168 | 1.56: | 1.560856 | 0.1934 | 16.86 | 17.09 | 17.00 | 0.23 | ... | 0.052: | 0.323: | 0.19 | 31669.558 | 96 | P? |
| 13024 | 1698 | 7068 | 3211 | ... | 1.603227 | 0.2050 | 15.89 | 16.46 | 16.19 | 0.57 | 0.410 | 0.220 | 0.390 | 0.37 | 29518.630 | 279 | P? |
| 2661 | 527 | 14667 | 15955 | 1.60919 | 1.609188 | 0.2066 | 16.54 | 17.64 | 17.16 | 1.10 | 0.190 | 0.091 | 0.300 | 0.10 | 27750.440 | 295 | |
| W 41 | 1743 | 3375 | 18205 | 1.6531 | 1.652668 | 0.2182 | 16.36 | 16.74 | 16.53 | 0.38 | 0.390 | 0.258 | 0.468 | 0.24 | 34747.398 | 226 | |
| 2657 | 523 | 14606 | 5266 | ... | 1.728293 | 0.2376 | 15.95 | 16.41 | 16.20 | 0.46 | 0.440 | 0.204 | 0.446 | 0.51 | 29574.386 | 395 | |
| 12906 | 1648 | 14882 | 13271 | 1.746098 | 1.746098 | 0.2421 | 16.83 | 17.44 | 17.14 | 0.61 | 0.351 | 0.111 | 0.385 | 0.50 | 29627.308 | 243 | S |
| 5787 | 919 | 11317 | 14160 | 1.75249 | 1.752489 | 0.2437 | 17.02 | 17.34 | 17.17 | 0.32 | 0.295 | 0.091 | 0.286 | 0.23 | 29517.624 | 172 | |
| 2837 | 687 | 18969 | 13844 | ... | 1.777408 | 0.2498 | 15.83 | 16.48 | 16.25 | 0.46 | 0.390 | 0.172 | 0.460 | 0.30 | 27658.646 | 406 | |
| 11994 | 1126 | 7818 | 10542 | 1.7946 | 1.794576 | 0.2540 | 15.67 | 16.90 | 16.16 | 1.23 | 0.275 | 0.054 | 0.274 | 0.80 | 32891.428 | 169 | |
| 12648 | 1465 | 18480 | 17826 | ... | 1.810933 | 0.2579 | 16.43 | 16.71 | 16.56 | 0.28 | 0.440 | 0.201 | 0.465 | 0.17 | 24802.831 | 379 | S |
| 12911 | 1652 | 12290 | 10719 | 1.830334 | 1.830335 | 0.2625 | 16.36 | 16.67 | 16.49 | 0.31 | 0.450 | 0.253 | 0.482 | 0.46 | 27808.402 | 294 | |
| 12546 | 1384 | 6402 | 18948 | ... | 1.894305 | 0.2774 | 16.25 | 16.72 | 16.45 | 0.47 | 0.350 | 0.179 | 0.440 | 0.28 | 25946.477 | 124 | |
| 12073 | 1182 | 22224 | 8796 | ... | 1.909423 | 0.2809 | 16.31 | 16.70 | 16.48 | 0.39 | 0.450 | 0.260 | 0.491 | 0.19 | 32011.649 | 393 | |
| 11997 | 1128 | 8172 | 9924 | 1.92851 | 1.928468 | 0.2852 | 16.85 | 17.53 | 17.25 | 0.68 | 0.105 | 0.053 | 0.252 | 0.80 | 29577.384 | 231 | |
| 12904 | 1646 | 2566 | 6486 | 1.952288 | 1.952288 | 0.2905 | 15.77 | 16.38 | 16.00 | 0.48 | 0.285 | 0.144 | 0.488 | 0.38 | 32888.384 | 278 | |
| 2593 | 472 | 13780 | 3660 | 1.96784 | 1.967842 | 0.2940 | 16.11 | 16.58 | 16.33 | 0.47 | 0.440 | 0.277 | 0.487 | 0.25 | 26312.385 | 471 | |
| 12575 | 1408 | 9510 | 1398 | ... | 1.975901 | 0.2958 | 16.06 | 16.92 | 16.40 | 0.86 | 0.380 | 0.182 | 0.481 | 0.32 | 27730.521 | 341 | |
| 5997 | 1038 | 17224 | 18035 | ... | 2.013230 | 0.3039 | 15.95 | 16.97 | 16.59 | 1.02 | 0.140 | 0.088 | 0.363 | 0.00 | 26323.337 | 341 | |
| 5996 | 1037 | 17220 | 17180 | ... | 2.028047 | 0.3071 | 16.15 | 17.02 | 16.54 | 0.87 | 0.475 | 0.242 | 0.430 | 0.06 | 27449.273 | 418 | S;cc |
| 13041 | 1715 | 15264 | 3097 | ... | 2.052074 | 0.3122 | 16.22 | 16.66 | 16.41 | 0.44 | 0.480 | 0.263 | 0.497 | 0.44 | 25912.557 | 413 | |
| 12030 | 1152 | 11856 | 6708 | 2.075326 | 2.075357 | 0.3171 | 16.63 | 17.19 | 16.96 | 0.56 | 0.270 | 0.110 | 0.319 | 0.45 | 31439.379 | 354 | |
| 12635 | 1453 | 16920 | 3036 | ... | 2.108810 | 0.3240 | 16.12 | 16.91 | 16.50 | 0.79 | 0.220 | 0.075 | 0.333 | 0.52 | 30712.555 | 198 | |
| 13018 | 1692 | 4120 | 12972 | ... | 2.175243 | 0.3375 | 16.37 | 17.17 | 16.88 | 0.80 | 0.170 | 0.108 | 0.335 | 0.45 | 27799.446 | 372 | |
| 5881* | 968 | 13722 | 6658 | ... | 2.176175 | 0.3377 | 15.29 | 16.03 | 15.60 | 0.74 | 0.440 | 0.193 | 0.425 | 0.80 | 30695.559 | 386 | S |
| 5736* | 889 | 10063 | 9760 | ... | 2.176499 | 0.3378 | 15.61 | 16.15 | 15.84 | 0.54 | 0.420 | 0.211 | 0.480 | 0.48 | 27449.381 | 432 | S |
| 12675 | 1489 | 20430 | 17172 | ... | 2.244099 | 0.3510 | 15.16 | 16.08 | 15.64 | 0.92 | 0.410 | 0.200 | 0.488 | 0.24 | 32564.392 | 338 | S |
| 5957 | 1010 | 15498 | 6386 | 2.26491 | 2.264819 | 0.3551 | 15.61 | 16.23 | 15.94 | 0.62 | 0.360 | 0.181 | 0.369 | 0.80 | 32919.383 | 393 | S |
| 2311 | 219 | 5807 | 9109 | ... | 2.269616 | 0.3559 | 16.10 | 16.57 | 16.30 | 0.47 | 0.370 | 0.200 | 0.450 | 0.48 | 30057.321 | 410 | |
| 12068 | 1179 | 20550 | 7302 | 2.28498 | 2.285102 | 0.3589 | 15.88 | 16.79 | 16.38 | 0.91 | 0.190 | 0.107 | 0.386 | 0.33 | 29217.448 | 291 | |
| 12661 | 1475 | 19094 | 18240 | ... | 2.292873 | 0.3604 | 16.56 | 17.52 | 17.09 | 0.96 | 0.200 | 0.100 | 0.371 | 0.05 | 32919.383 | 237 | |
| 12909 | 1650 | 18960 | 1155 | 2.204417: | 2.305556 | 0.3628 | 15.82 | 15.99 | 15.89 | 0.17 | ... | ... | ... | ... | ... | 61 | |
| 12559 | 1395 | 7224 | 18930 | ... | 2.306759 | 0.3630 | 15.32 | 16.44 | 15.77 | 1.12 | 0.410 | 0.190 | 0.463 | 0.28 | 30605.532 | 438 | |
| 12676 | 1490 | 20448 | 16428 | ... | 2.313180 | 0.3642 | 15.64 | 16.45 | 15.96 | 0.81 | 0.400 | 0.202 | 0.492 | 0.24 | 30641.580 | 331 | |
| 2750 | 609 | 16655 | 5247 | 2.3167 | 2.316536 | 0.3648 | 16.28 | 16.75 | 16.52 | 0.47 | 0.400 | 0.231 | 0.469 | 0.80 | 28051.635 | 414 | |
| 12327* | 1257 | 14928 | 5598 | 4.71147 | 2.319214 | 0.3653 | 16.02 | 16.49 | 16.21 | 0.42 | 0.420 | 0.195 | 0.435 | 0.51 | 24824.683 | 169 | S |
| 12192 | 1197 | 6997 | 23104 | ... | 2.320873 | 0.3657 | 15.69 | 16.42 | 15.99 | 0.73 | 0.410 | 0.205 | 0.460 | 0.12 | 25189.578 | 288: | |
| 6097 | 1097 | 24227 | 14680 | ... | 2.325590 | 0.3665 | 15.97 | 16.97 | 16.36 | 1.00 | 1.190 | 0.060 | 0.385 | 0.00 | 27658.646 | 133 | |
| 6013* | 1047 | 17740 | 10659 | ... | 2.326865 | 0.3668 | 16.00 | 16.16 | 16.28 | 0.71 | 0.475 | 0.225 | 0.483 | 0.40 | 26319.329 | 438 | |
| 2838* | 688 | 18997 | 14514 | 4.539 | 2.332190 | 0.3678 | 15.98 | 17.20 | 16.72 | 1.22 | 0.150 | 0.095 | 0.385 | 0.25 | 28777.636 | 348 | |
| 12512 | 1353 | 3534 | 13884 | ... | 2.335272 | 0.3683 | 15.59 | 16.87 | 16.51 | 1.28 | 0.220 | 0.063 | 0.335 | 0.39 | 32059.506 | 368 | |
| 12688 | 1501 | 21612 | 16248 | ... | 2.335952 | 0.3685 | 15.98 | 17.07 | 16.65 | 1.09 | 0.250 | 0.086 | 0.262 | 0.24 | 26565.613 | 188 | |
| 12490 | 1337 | 1872 | 17082 | ... | 2.364541 | 0.3737 | 15.97 | 17.18 | 16.78 | 1.21 | 0.150 | 0.072 | 0.312 | 0.29 | 31458.279 | 106 | |
| 5940 | 1001 | 15148 | 9080 | 2.36993 | 2.369910 | 0.3747 | 16.34 | 17.18 | 16.78 | 0.84 | 0.200 | 0.095 | 0.384 | 0.49 | 32059.637 | 401 | |
| 12032 | 1154 | 11952 | 7452 | 2.375 | 2.374998 | 0.3757 | 15.72 | 16.62 | 16.28 | 0.90 | 0.230: | 0.086 | 0.347 | 0.80 | 29600.430 | 329 | |
| 12328 | 1258 | 15330 | 5454 | 2.3825 | 2.382586 | 0.3771 | 16.20 | 16.78 | 16.51 | 0.58 | 0.230 | 0.114 | 0.369 | 0.51 | 27421.312 | 344 | |
| 5604 | 797 | 6337 | 12920 | ... | 2.383111 | 0.3771 | 16.02 | 17.12 | 16.60 | 1.10 | 0.140 | 0.073 | 0.348 | 0.47 | 27800.377 | 415 | |
| 12507 | 1350 | 3408 | 10392 | ... | 2.391205 | 0.3786 | 15.83 | 16.57 | 16.27 | 0.74 | 0.190 | 0.090 | 0.360 | 0.44 | 29109.650 | 396 | |
| 12814 | 1597 | 13672 | 22722 | ... | 2.392013 | 0.3788 | 15.70 | 16.83 | 16.29 | 1.13 | 0.215 | 0.095 | 0.330 | 0.00 | 25614.441 | 245 | |
| 12525 | 1366 | 4380 | 16422 | ... | 2.393603 | 0.3791 | 16.19 | 17.15 | 16.64 | 0.96 | 0.155 | 0.084 | 0.250 | 0.32 | 28125.361 | 266 | |
| 12520 | 1361 | 4158 | 16080 | ... | 2.396631 | 0.3796 | 16.25 | 17.11 | 16.72 | 0.86 | 0.210 | 0.072 | 0.262 | 0.32 | 31458.279 | 296 | |
| W 38 | 1742 | 1647 | 17714 | 2.402 | 2.401497 | 0.3805 | 16.04 | 16.49 | 16.26 | 0.45 | 0.420 | 0.201 | 0.528 | 0.29 | 31860.308 | 113 | |
| 2315 | 222 | 5880 | 15384 | 2.41289 | 2.412833 | 0.3825 | 15.64 | 16.43 | 15.92 | 0.79 | 0.380 | 0.172 | 0.504 | 0.37 | 32888.384 | 216 | |
| 5563 | 775 | 5384 | 13160 | ... | 2.415028 | 0.3829 | 16.20 | 16.70 | 16.36 | 0.50 | 0.400 | 0.243 | 0.493 | 0.45 | 27457.349 | 433 | |
| 2771 | 627 | 17074 | 7806 | ... | 2.420604 | 0.3839 | 16.10 | 16.91 | 16.36 | 0.81 | 0.190 | 0.090 | 0.360 | 0.30 | 27426.396 | 120 | Sm |
| 2844 | 694 | 19272 | 4717 | ... | 2.441807 | 0.3877 | 15.80 | 16.59 | 16.23 | 0.79 | 0.270 | 0.102 | 0.339 | 0.30 | 24084.690 | 285 | |
| 12080 | 1188 | 25226 | 11115 | 2.44364 | 2.443673 | 0.3880 | 15.42 | 16.90 | 16.27 | 1.46 | 0.265: | 0.056 | 0.353 | 0.12 | 28511.475 | 119 | |
| 12697* | 1508 | 22698 | 14520 | ... | 2.444174 | 0.3882 | 15.76 | 17.15 | 16.61 | 1.59 | 0.220 | 0.083 | 0.303 | 0.30 | 13951.638 | 271 | |
| 2745 | 604 | 16557 | 12744 | ... | 2.456443 | 0.3903 | 15.69 | 16.95 | 16.56 | 1.26 | 0.135 | | | | | | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | JD 2400000+ | Max. Obs. | Rem. | |
|--------|------|-------|-------|----------|----------|--------|----------------|----------------|------------------|-------|-------|-------|-------|-------|-------------|-----------|------|--|
| 11991 | 1124 | 7692" | 8868" | ... | 2.483926 | 0.3951 | 16.53 | 17.04 | 16.77 | 0.51 | 0.530 | 0.318 | 0.469 | 0.50 | 27449.339 | 408 | S | |
| 12051 | 1167 | 12918 | 5988 | 2.495 | 2.495009 | 0.3971 | 16.18 | 17.14 | 16.82 | 0.96 | 0.120 | 0.066 | 0.315 | 0.50 | 27681.594 | 391 | | |
| 12832 | 1613 | 16856 | 24906 | ... | 2.499125 | 0.3978 | 15.84 | 16.11 | 15.93 | 0.27 | 0.420 | 0.221 | 0.521 | 0.00 | 30665.587 | 217 | | |
| 2809 | 662 | 18033 | 13742 | 2.505611 | 2.505608 | 0.3989 | 15.58 | 17.05 | 16.52 | 1.47 | 0.135 | 0.089 | 0.342 | 0.30 | 29970.551 | 387 | | |
| 12206 | 1211 | 7819 | 23131 | 2.50579 | 2.505795 | 0.3989 | 15.80 | 17.17 | 16.58 | 1.37 | 0.150 | 0.096 | 0.382 | 0.12 | 25177.488 | 260 | | |
| 12669 | 1483 | 19908 | 16278 | ... | 2.507447 | 0.3992 | 16.42 | 17.36 | 16.92 | 0.94 | 0.145 | 0.062 | 0.286 | 0.17 | 27426.329 | 196 | | |
| 6054 | 1070 | 19509 | 12176 | ... | 2.508926 | 0.3995 | 16.08 | 16.65 | 16.35 | 0.57 | 0.245 | 0.134 | 0.388 | 0.50 | 27449.381 | 307 | | |
| 12640 | 1457 | 17940 | 2556 | ... | 2.513505 | 0.4003 | 16.17 | 17.02 | 16.59 | 0.85 | 0.250 | 0.133 | 0.363 | 0.30 | 14394.519 | 181 | | |
| W 34 | 1740 | 2401 | 19047 | 2.518 | 2.518033 | 0.4011 | 15.70 | 16.86 | 16.45 | 1.09 | 0.300 | 0.070 | 0.332 | 0.24 | 27653.628 | 89 | | |
| 2344 | 248 | 7023 | 12965 | 2.524408 | 2.524408 | 0.4022 | 16.41 | 17.00 | 16.76 | 0.59 | 0.235 | 0.094 | 0.372 | 0.47 | 29349.242 | 430 | Sm | |
| 5910 | 979 | 14256 | 6124 | 2.52451 | 2.524500 | 0.4022 | 15.39 | 16.87 | 16.32 | 1.48 | 0.180 | 0.031 | 0.372 | 0.52 | 27807.317 | 246 | | |
| 12663 | 1477 | 19302 | 5688 | ... | 2.530216 | 0.4032 | 16.22 | 17.01 | 16.66 | 0.79 | 0.225 | 0.113 | 0.341 | 0.30 | 31109.536 | 320 | | |
| 12025 | 1149 | 11598 | 6966 | 2.53 | 2.538438 | 0.4040 | 15.85 | 17.31 | 16.67 | 1.46 | 0.220 | 0.100 | 0.333 | 0.45 | 32919.292 | 380 | | |
| 12426 | 1293 | 4350 | 4674 | 2.55022 | 2.550172 | 0.4066 | 15.66 | 16.64 | 16.10 | 0.98 | 0.150 | 0.100 | 0.343 | 0.31 | 29229.272 | 205 | | |
| 12191 | 1196 | 6876 | 23625 | ... | 2.550338 | 0.4066 | 15.66 | 16.30 | 15.89 | 0.64 | 0.440 | 0.251 | 0.501 | 0.12 | 29134.598 | 282 | S;P? | |
| 2396 | 297 | 8835 | 8246 | 2.5534 | 2.553229 | 0.4071 | 16.19 | 16.86 | 16.51 | 0.67 | 0.260 | 0.139 | 0.377 | 0.51 | 29690.343 | 309 | | |
| W 44 | 1746 | 4366 | 17973 | 2.557 | 2.556746 | 0.4077 | 16.16 | 16.97 | 16.48 | 0.81 | 0.220 | 0.050 | 0.381 | 0.32 | 29219.342 | 198 | | |
| 12019 | 1143 | 11286 | 7224 | 2.5745 | 2.574604 | 0.4107 | 16.28 | 16.83 | 16.57 | 0.55 | 0.205 | 0.097 | 0.359 | 0.45 | 29202.385 | 399 | | |
| 2563* | 444 | 13197 | 7110 | ... | 2.578995 | 0.4115 | 15.61 | 16.00 | 15.81 | 0.39 | 0.450 | 0.219 | 0.500 | 0.80 | 30313.555 | 456 | | |
| 2473 | 366 | 11233 | 4745 | ... | 2.579249 | 0.4115 | 15.56 | 16.80 | 16.28 | 1.24 | 0.200 | 0.081 | 0.333 | 0.30 | 29584.400 | 388 | | |
| 2476 | 369 | 11421 | 6704 | 2.5807 | 2.580624 | 0.4117 | 16.26 | 17.27 | 16.88 | 1.01 | 0.250 | 0.121 | 0.358 | 0.30 | 32056.622 | 398 | | |
| 2592 | 471 | 13775 | 7576 | 2.5877 | 2.587749 | 0.4129 | 15.43 | 16.62 | 16.09 | 1.19 | 0.300 | 0.079 | 0.356 | 0.80 | 27801.283 | 401 | | |
| 12621 | 1441 | 14628 | 2280 | ... | 2.602018 | 0.4153 | 16.59 | 17.41 | 17.12 | 0.82 | 0.200 | 0.079 | 0.370 | 0.00 | 25952.512 | 429 | | |
| 12208 | 1213 | 8349 | 23375 | 2.6036 | 2.603542 | 0.4156 | 15.39 | 16.40 | 15.99 | 1.01 | 0.210 | 0.131 | 0.322 | 0.14 | 25614.318 | 239 | | |
| 12240 | 1238 | 3883 | 21477 | 2.6153 | 2.615289 | 0.4175 | 16.33 | 17.30 | 16.80 | 0.90 | 0.270 | 0.110 | 0.396 | 0.19 | 28846.402 | 99 | | |
| 12849 | 1628 | 20753 | 22288 | ... | 2.622428 | 0.4187 | 15.86 | 17.34 | 16.74 | 1.48 | 0.210 | 0.100 | 0.365 | 0.00 | 28783.610 | 149 | | |
| 12500 | 1343 | 2796 | 8418 | ... | 2.629441 | 0.4199 | 15.64 | 17.04 | 16.58 | 1.40 | 0.270 | 0.071 | 0.325 | 0.30 | 27426.396 | 307 | | |
| 12340* | 1270 | 16974 | 5310 | 2.6366 | 2.636690 | 0.4211 | 15.73 | 16.86 | 16.53 | 1.13 | 0.220 | 0.060 | 0.292 | 0.80 | 29698.256 | 330 | | |
| 12199 | 1204 | 7414 | 22790 | 2.63911 | 2.639156 | 0.4215 | 16.30 | 17.21 | 16.89 | 0.91 | 0.220 | 0.117 | 0.378 | 0.12 | 30605.585 | 103 | | |
| 12022 | 1146 | 11430 | 6672 | 2.632 | 2.655879 | 0.4242 | 16.47 | 17.17 | 16.93 | 0.70 | 0.290 | 0.079 | 0.300 | 0.45 | 29222.409 | 391 | | |
| 2739 | 598 | 16354 | 4310 | ... | 2.660481 | 0.4250 | 15.54 | 16.50 | 16.17 | 0.96 | 0.170 | 0.098 | 0.384 | 0.80 | 26565.613 | 324 | | |
| 6063 | 1075 | 19586 | 7410 | 2.66188 | 2.661915 | 0.4252 | 15.95 | 16.53 | 16.19 | 0.58 | 0.240 | 0.084 | 0.293 | 0.30 | 32056.622 | 236 | | |
| 6066 | 1078 | 20356 | 14545 | ... | 2.673069 | 0.4270 | 16.32 | 16.95 | 16.71 | 0.63 | 0.270 | 0.082 | 0.381 | 0.30 | 29585.388 | 351 | S;cc | |
| 5541 | 765 | 4624 | 19128 | 2.683 | 2.682248 | 0.4285 | 15.85 | 17.23 | 16.83 | 1.38 | 0.260 | 0.070 | 0.364 | 0.27 | 30057.264 | 108 | | |
| 12337 | 1267 | 16878 | 5262 | 2.68263 | 2.682540 | 0.4285 | 15.99 | 16.80 | 16.49 | 0.81 | 0.160 | 0.079 | 0.380 | 0.80 | 26011.336 | 289 | | |
| 6044 | 1065 | 19100 | 16060 | ... | 2.684178 | 0.4288 | 16.06 | 17.29 | 16.86 | 1.23 | 0.185 | 0.075 | 0.322 | 0.30 | 27755.452 | 299 | | |
| W 23 | 1735 | 5126 | 19528 | 2.684 | 2.684422 | 0.4288 | 15.66 | 16.19 | 15.92 | 0.53 | 0.450 | 0.210 | 0.400 | 0.27 | 28034.592 | 108 | | |
| 2820 | 672 | 18400 | 5806 | 2.6864 | 2.686222 | 0.4291 | 15.46 | 15.97 | 15.66 | 0.51 | 0.500 | 0.200 | 0.474 | 0.30 | 27670.646 | 381 | | |
| 12964 | 1656 | 4500 | 7573 | ... | 2.693697 | 0.4303 | 15.16 | 16.12 | 15.70 | 0.96 | 0.235 | 0.111 | 0.371 | 0.41 | 30639.590 | 344 | | |
| 6099 | 1099 | 5359 | 21725 | ... | 2.697405 | 0.4309 | 15.41 | 16.88 | 16.43 | 1.47 | 0.235 | 0.070 | 0.342 | 0.21 | 31701.496 | 99 | | |
| 12746 | 1545 | 4305 | 21993 | ... | 2.701342 | 0.4316 | 15.58 | 16.39 | 16.09 | 0.81 | 0.165 | 0.078 | 0.393 | 0.21 | 31712.462 | 103 | | |
| 2571* | 451 | 13251 | 5386 | ... | 2.704255 | 0.4320 | 15.46 | 16.48 | 16.03 | 1.02 | 0.170 | 0.050 | 0.394 | 0.30 | 32915.336 | 391 | cc | |
| 12528 | 1369 | 4500 | 12156 | ... | 2.705461 | 0.4322 | 16.35 | 17.14 | 16.82 | 0.79 | 0.210 | 0.121 | 0.298 | 0.30 | 27457.349 | 320 | S | |
| 12045 | 1162 | 12750 | 6126 | 2.707 | 2.706519 | 0.4324 | 15.78 | 16.62 | 16.22 | 0.84 | 0.220 | 0.109 | 0.381 | 0.50 | 26334.368 | 381 | S | |
| 2380 | 283 | 8504 | 6876 | 2.705 | 2.707222 | 0.4325 | 15.16 | 16.33 | 15.87 | 1.17 | 0.210 | 0.095 | 0.367 | 0.30 | 30624.618 | 405 | | |
| 12659 | 1473 | 19050 | 14046 | ... | 2.707952 | 0.4326 | 16.27 | 17.18 | 16.78 | 0.91 | 0.210 | 0.080 | 0.415 | 0.25 | 29158.576 | 347 | | |
| 987 | 115 | 13774 | 6401 | 2.70999 | 2.710040 | 0.4330 | 15.54 | 16.52 | 16.11 | 0.98 | 0.220 | 0.110 | 0.356 | 0.80 | 26713.474 | 421 | | |
| 5536 | 762 | 4392 | 17016 | ... | 2.712215 | 0.4333 | 15.91 | 16.75 | 16.35 | 0.84 | 0.300 | 0.144 | 0.322 | 0.32 | 28034.592 | 132 | | |
| 2419 | 318 | 9418 | 6014 | ... | 2.713049 | 0.4335 | 15.45 | 16.04 | 15.74 | 0.59 | 0.450 | 0.204 | 0.444 | 0.47 | 16823.638 | 498 | | |
| 12200 | 1205 | 7523 | 22913 | 2.7249 | 2.725011 | 0.4354 | 16.09 | 17.10 | 16.71 | 1.01 | 0.210 | 0.116 | 0.393 | 0.12 | 28846.402 | 95 | | |
| 12699 | 1510 | 23040 | 1710 | ... | 2.726384 | 0.4356 | 16.03 | 16.03 | 17.19 | 16.43 | 1.16 | 0.190 | 0.102 | 0.384 | 0.00 | 29577.384 | 129 | |
| 12503 | 1346 | 3048 | 8412 | ... | 2.730979 | 0.4363 | 16.02 | 16.91 | 16.47 | 0.89 | 0.170 | 0.072 | 0.332 | 0.41 | 28035.597 | 264 | | |
| 12831 | 1612 | 15856 | 20482 | ... | 2.735886 | 0.4371 | 16.51 | 17.26 | 16.88 | 0.74 | 0.190 | 0.091 | 0.339 | 0.00 | 27807.399 | 166 | | |
| 12637 | 1455 | 17196 | 5388 | ... | 2.739259 | 0.4376 | 16.26 | 16.89 | 16.62 | 0.63 | 0.260 | 0.098 | 0.388 | 0.80 | 26710.335 | 241 | S;cc | |
| 2725 | 585 | 16036 | 15776 | 2.74054 | 2.740470 | 0.4378 | 16.10 | 17.37 | 16.82 | 0.97 | 0.225 | 0.086 | 0.349 | 0.17 | 28862.406 | 335 | S | |
| 5851 | 953 | 13002 | 6100 | 2.76214 | 2.762141 | 0.4412 | 16.25 | 17.02 | 16.74 | 0.77 | 0.225 | 0.100 | 0.444 | 0.44 | 26679.441 | 471 | | |
| 5517 | 751 | 3394 | 7508 | ... | 2.764082 | 0.4415 | 15.67 | 16.84 | 16.27 | 1.17 | 0.125 | 0.083 | 0.348 | 0.38 | 26303.577 | 310 | | |
| 12527 | 1368 | 4476 | 15294 | ... | 2.776666 | 0.4435 | 15.74 | 16.31 | 16.09 | 0.57 | 0.185 | 0.068 | 0.323 | 0.37 | 29574.386 | 401 | | |
| 12572 | 1405 | 9186 | 1272 | ... | 2.777397 | 0.4436 | 16.05 | 17.13 | 16.65 | 1.08 | 0.170 | 0.070 | 0.380 | 0.32 | 27728.464 | 258 | | |
| 5706* | 870 | 9220 | 9960 | ... | 2.780315 | 0.4441 | 15.52 | 15.99 | 15.75 | 0.47 | 0.420 | 0.221 | 0.482 | 0.80 | 26055.296 | 454 | | |
| 2783 | 639 | 17298 | 4644 | 2.78095 | 2.780766 | 0.4442 | 15.82 | 16.82 | 16.32 | 1.00 | 0.210 | 0.087 | 0.417 | 0.80 | 26410.272 | 325 | | |
| 5684 | 843 | 8700 | 13044 | ... | 2.788140 | 0.4453 | 15.98 | 16.36 | 16.15 | 0.38 | 0.580 | 0.311 | 0.471 | 0.30 | 26264.557 | 393 | | |
| 5571 | 779 | 5669 | 13555 | ... | 2.790858 | 0.4457 | 16.22 | 16.91 | 16.64 | 0.69 | 0.320 | 0.146 | 0.391 | 0.45 | 31303.647 | 386 | Sm | |
| 2252 | 165 | 3361 | 14108 | ... | 2.792457 | 0.4460 | 15.83 | 16.41 | 16.15 | 0.58 | 0.240 | 0.090 | 0.432 | 0.50 | 26572.627 | 397 | | |

TABLE 5.—Cepheid variables—continued

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. |
|--------|------|-------|--------|------------------------|------------------------|--------|---------------------|---------------------|---------------------|--------------------|--------|---------------------|---------------------|--------------------|------------------|------|---------|
| 5567 | 776 | 5510" | 16244" | ... | 2. ^d 793593 | 0.4462 | 15. ^m 96 | 17. ^m 00 | 16. ^m 58 | 1. ^m 04 | 0.245 | 0. ^p 064 | 0. ^p 351 | 0. ^p 32 | 29189.469 | 218 | |
| 6038 | 1061 | 18620 | 11839 | ... | 2.796497 | 0.4466 | 15.48 | 16.45 | 15.99 | 0.97 | 0.430 | 0.209 | 0.456 | 0.35 | 27801.321 | 409 | S;P? |
| 2557 | 441 | 13055 | 2394 | ... | 2.804525 | 0.4478 | 16.19 | 17.06 | 16.69 | 0.87 | 0.180 | 0.085 | 0.364 | 0.25 | 31715.614 | 394 | |
| 12547 | 1385 | 6414 | 6526 | ... | 2.808445 | 0.4485 | 16.32 | 17.28 | 16.92 | 0.96 | 0.225 | 0.101 | 0.375 | 0.30 | 32884.418 | 399 | |
| 12684 | 1497 | 21330 | 7722 | ... | 2.809612 | 0.4486 | 16.20 | 16.80 | 16.53 | 0.60 | 0.230 | 0.110 | 0.363 | 0.33 | 30751.330 | 267 | |
| 12548 | 1386 | 6420 | 18960 | ... | 2.810068 | 0.4487 | 16.18 | 17.09 | 16.72 | 0.91 | 0.250 | 0.075 | 0.275 | 0.28 | 29229.319 | 120 | |
| 12434* | 1301 | 5634 | 4410 | 2. ^d 811191 | 2.811873 | 0.4490 | 15.63 | 16.78 | 16.32 | 1.15 | 0.170 | 0.081 | 0.398 | 0.31 | 23490.573 | 381 | |
| 13043 | 1717 | 15848 | 6758 | ... | 2.830648 | 0.4519 | 15.96 | 16.86 | 16.53 | 0.90 | 0.160 | 0.072 | 0.391 | 0.80 | 26455.214 | 314 | |
| 2690 | 551 | 15316 | 6242 | 2.8397 | 2.839655 | 0.4533 | 15.38 | 16.55 | 16.20 | 1.17 | 0.190 | 0.101 | 0.312 | 0.52 | 29585.388 | 371 | |
| 12585 | 1417 | 11598 | 2784 | 2.844 | 2.844786 | 0.4541 | 15.54 | 16.56 | 16.15 | 1.02 | 0.180 | 0.106 | 0.357 | 0.29 | 26219.342 | 426 | |
| 5892* | 971 | 13948 | 18117 | 2.84822 | 2.842425 | 0.4546 | 16.33 | 17.37 | 17.00 | 1.04 | 0.325: | 0.123 | 0.336 | 0.03 | 33178.615 | 102 | |
| 967 | 96 | 12820 | 5441 | ... | 2.849258 | 0.4547 | 15.52 | 16.43 | 16.03 | 0.91 | 0.335 | 0.161 | 0.438 | 0.30 | 27800.377 | 409 | S;P?;cr |
| 2599 | 478 | 13839 | 3685 | 2.85286 | 2.852864 | 0.4553 | 15.60 | 16.74 | 16.41 | 1.14 | 0.160 | 0.069 | 0.335 | 0.25 | 26441.229 | 469 | |
| 5518 | 752 | 3460 | 4480 | 2.86634 | 2.866391 | 0.4573 | 15.51 | 16.89 | 16.07 | 1.38 | 0.160 | 0.070 | 0.302 | 0.31 | 24462.726 | 187 | |
| 2512 | 401 | 12216 | 7740 | 2.86845 | 2.868113 | 0.4576 | 15.49 | 16.39 | 16.09 | 0.90 | 0.265 | 0.070 | 0.314 | 0.80 | 32882.270 | 358 | |
| 12334 | 1264 | 16692 | 4836 | 2.870783 | 2.870783 | 0.4580 | 15.96 | 16.75 | 16.37 | 0.79 | 0.295 | 0.107 | 0.412 | 0.80 | 31496.277 | 330 | |
| 12827 | 1608 | 14946 | 20555 | ... | 2.872422 | 0.4582 | 16.15 | 17.23 | 16.66 | 1.08 | 0.210 | 0.096 | 0.310 | 0.00 | 27455.457 | 152 | |
| 12668 | 1482 | 19488 | 4800 | ... | 2.872958 | 0.4585 | 15.97 | 17.19 | 16.60 | 1.22 | 0.190 | 0.091 | 0.342 | 0.30 | 27426.296 | 209 | |
| 12694 | 1505 | 22236 | 14862 | ... | 2.875152 | 0.4587 | 15.98 | 17.17 | 16.65 | 1.19 | 0.200 | 0.082 | 0.332 | 0.30 | 26322.343 | 283 | |
| 2712* | 512 | 15804 | 5682 | ... | 2.881716 | 0.4596 | 16.17 | 16.74 | 16.48 | 0.57 | 0.260 | 0.105 | 0.355 | 0.51 | 31734.601 | 393 | |
| 13031 | 1705 | 11164 | 6239 | ... | 2.882962 | 0.4598 | 16.15 | 16.96 | 16.64 | 0.81 | 0.155 | 0.066 | 0.357 | 0.45 | 29349.242 | 326 | |
| 2746 | 605 | 16573 | 13619 | 2.88400 | 2.884108 | 0.4600 | 15.16 | 16.51 | 15.98 | 1.35 | 0.210 | 0.090 | 0.380 | 0.25 | 16855.573 | 439 | |
| 12704 | 1514 | 23682 | 14004 | ... | 2.886711 | 0.4604 | 15.59 | 16.91 | 16.25 | 1.32 | 0.305 | 0.089 | 0.331 | 0.30 | 32228.270 | 92 | |
| 12074 | 1183 | 22326 | 7482 | 2.890775 | 2.890714 | 0.4610 | 16.39 | 17.23 | 16.93 | 0.84 | 0.120 | 0.088 | 0.377 | 0.26 | 27807.365 | 240 | |
| 13038 | 1712 | 14303 | 23474 | ... | 2.891277 | 0.4611 | 15.98 | 16.69 | 16.41 | 0.71 | 0.210 | 0.077 | 0.371 | 0.00 | 27457.471 | 202 | |
| 5514 | 750 | 3288 | 16914 | ... | 2.893263 | 0.4614 | 15.50 | 16.69 | 16.14 | 1.19 | 0.315: | 0.063 | 0.289 | 0.27 | 29158.556 | 325 | |
| 12687 | 1500 | 21564 | 10386 | ... | 2.893532 | 0.4614 | 15.75 | 16.76 | 16.29 | 1.02 | 0.230 | 0.094 | 0.361 | 0.37 | 27799.446 | 370 | |
| 2796 | 652 | 17686 | 11644 | 2.89383 | 2.893828 | 0.4615 | 16.23 | 17.07 | 16.74 | 0.84 | 0.180 | 0.096 | 0.347 | 0.00 | 23480.812 | 396 | |
| W 13 | 1731 | 4130 | 20079 | 2.899 | 2.899035 | 0.4622 | 16.07 | 16.84 | 16.57 | 0.77 | 0.275: | 0.143 | 0.395 | 0.21 | 30057.264 | 104 | |
| 12005 | 1135 | 9573 | 9339 | 2.9277 | 2.903828 | 0.4630 | 15.88 | 16.80 | 16.39 | 0.92 | 0.260 | 0.106 | 0.397 | 0.80 | 25952.512 | 429 | S |
| 12685 | 1498 | 21336 | 7680 | ... | 2.904303 | 0.4630 | 16.23 | 16.80 | 16.54 | 0.57 | 0.225 | 0.097 | 0.352 | 0.33 | 29986.515 | 240 | |
| 12001 | 1132 | 8544 | 9999 | 2.9082 | 2.908203 | 0.4636 | 16.51 | 17.03 | 16.74 | 0.52 | 0.170 | 0.086 | 0.376 | 0.80 | 29229.272 | 339 | |
| 12657 | 1471 | 19020 | 3222 | ... | 2.910246 | 0.4639 | 15.93 | 16.78 | 16.37 | 0.85 | 0.250 | 0.130 | 0.321 | 0.30 | 26245.482 | 232 | |
| 12534* | 1374 | 4638 | 13800 | ... | 2.913300 | 0.4643 | 16.00 | 16.66 | 16.35 | 0.66 | 0.225 | 0.104 | 0.370 | 0.30 | 27800.414 | 333 | |
| 2785 | 641 | 17308 | 15909 | 2.91360 | 2.913490 | 0.4644 | 16.18 | 16.98 | 16.60 | 0.80 | 0.220 | 0.095 | 0.405 | 0.17 | 26060.243 | 324 | |
| 2395 | 296 | 8808 | 4884 | 2.915 | 2.915153 | 0.4647 | 16.05 | 16.87 | 16.55 | 0.82 | 0.270 | 0.127 | 0.358 | 0.30 | 26956.619 | 400 | |
| 12000 | 1131 | 8490 | 10002 | 2.9164 | 2.916404 | 0.4648 | 16.58 | 17.00 | 16.74 | 0.42 | 0.240 | 0.112 | 0.452 | 0.80 | 28780.585 | 296 | S |
| 12995 | 1675 | 9216 | 9904 | ... | 2.919571 | 0.4653 | 15.42 | 15.91 | 15.67 | 0.49 | 0.440 | 0.196 | 0.455 | 0.80 | 16816.768 | 450 | S;P? |
| 2780 | 636 | 17245 | 5500 | ... | 2.924361 | 0.4660 | 15.49 | 16.55 | 16.13 | 1.06 | 0.260 | 0.102 | 0.332 | 0.80 | 27426.296 | 303 | |
| 12999 | 1679 | 16677 | 17353 | ... | 2.925322 | 0.4662 | 15.76 | 16.96 | 16.36 | 1.20 | 0.260 | 0.098 | 0.429 | 0.27 | 27449.307 | 355 | |
| 12210* | 1215 | 8369 | 22819 | 5.0831 | 2.930148 | 0.4669 | 16.01 | 17.00 | 16.56 | 0.99 | 0.245 | 0.155 | 0.396 | 0.14 | 28846.402 | 98 | |
| 12188 | 1193 | 6455 | 21722 | 2.933966 | 2.933896 | 0.4674 | 16.14 | 17.12 | 16.69 | 0.98 | 0.310 | 0.091 | 0.377 | 0.19 | 31674.592 | 101 | |
| 2534 | 421 | 12594 | 4694 | ... | 2.935539 | 0.4677 | 15.80 | 16.45 | 16.11 | 0.65 | 0.440 | 0.212 | 0.462 | 0.30 | 29956.396 | 389 | S;P? |
| 12683 | 1496 | 21300 | 6480 | ... | 2.936251 | 0.4678 | 16.24 | 16.89 | 16.60 | 0.65 | 0.280: | 0.081 | 0.369 | 0.33 | 32030.615 | 337 | |
| 12211 | 1216 | 8526 | 22236 | 2.93996 | 2.940038 | 0.4683 | 16.32 | 16.94 | 16.72 | 0.62 | 0.245 | 0.135 | 0.282 | 0.14 | 31699.497 | 99 | |
| 12682 | 1495 | 21282 | 14472 | ... | 2.941852 | 0.4686 | 16.01 | 16.99 | 16.58 | 0.98 | 0.200 | 0.132 | 0.353 | 0.30 | 31106.359 | 295 | |
| 956 | 85 | 12258 | 7524 | 2.94735 | 2.946671 | 0.4693 | 15.13 | 16.39 | 16.02 | 1.26 | 0.210: | 0.112 | 0.313 | 0.80 | 23486.545 | 400 | |
| 12491 | 1338 | 1962 | 15618 | ... | 2.947667 | 0.4695 | 15.81 | 16.57 | 16.22 | 0.76 | 0.210: | 0.083 | 0.271 | 0.50 | 32891.286 | 155 | |
| 2449 | 343 | 10258 | 11923 | ... | 2.949678 | 0.4698 | 15.82 | 16.84 | 16.36 | 1.02 | 0.215 | 0.083 | 0.368 | 0.30 | 29626.278 | 300 | |
| 12203 | 1208 | 7559 | 22816 | 2.954 | 2.954115 | 0.4705 | 16.46 | 17.35 | 16.93 | 0.89 | 0.230 | 0.118 | 0.408 | 0.12 | 30763.313 | 105 | |
| 12626 | 1444 | 15702 | 3114 | ... | 2.956870 | 0.4708 | 16.05 | 16.87 | 16.57 | 0.82 | 0.230 | 0.122 | 0.390 | 0.44 | 31729.604 | 426 | |
| 2445 | 339 | 10127 | 8860 | 2.96036 | 2.960487 | 0.4714 | 15.05 | 15.85 | 15.43 | 0.80 | 0.220 | 0.103 | 0.431 | 0.80 | 26413.355 | 402 | Sm;cc |
| 12674 | 1488 | 20370 | 16632 | ... | 2.961499 | 0.4715 | 15.73 | 16.99 | 16.38 | 1.26 | 0.230 | 0.082 | 0.333 | 0.24 | 27449.462 | 237 | |
| 5921 | 987 | 14636 | 18516 | 2.96480 | 2.964799 | 0.4720 | 16.36 | 16.96 | 16.63 | 0.60 | 0.300 | 0.150 | 0.450 | 0.00 | 26319.329 | 339 | Sm |
| 12796 | 1585 | 11613 | -258 | ... | 2.965111 | 0.4720 | 15.77 | 16.63 | 16.27 | 0.86 | 0.300 | 0.094 | 0.394 | 0.11 | 31107.535 | 145 | |
| 5912 | 981 | 14360 | 7350 | 2.97093 | 2.971177 | 0.4729 | 15.45 | 16.48 | 16.01 | 1.03 | 0.215 | 0.107 | 0.385 | 0.80 | 25952.512 | 434 | |
| 12551 | 1388 | 6876 | 1002 | ... | 2.976545 | 0.4737 | 15.99 | 16.87 | 16.46 | 0.88 | 0.260: | 0.113 | 0.366 | 0.33 | 27755.452 | 225 | |
| 5738 | 890 | 10108 | 7220 | 2.98039 | 2.980337 | 0.4743 | 15.82 | 16.58 | 16.26 | 0.76 | 0.210 | 0.093 | 0.358 | 0.45 | 26977.615 | 395 | |
| 2684 | 546 | 15215 | 5024 | 2.98276 | 2.982760 | 0.4746 | 15.61 | 16.76 | 16.34 | 1.15 | 0.195 | 0.084 | 0.379 | 0.51 | 29586.418 | 400 | |
| 5771 | 909 | 10862 | 5980 | 2.988 | 2.987063 | 0.4752 | 15.86 | 16.88 | 16.46 | 1.02 | 0.245 | 0.135 | 0.344 | 0.50 | 24081.749 | 402 | |
| 2808 | 661 | 18004 | 4507 | ... | 2.987204 | 0.4753 | 16.68 | 17.08 | 16.91 | 0.40 | 0.175 | 0.105 | 0.390 | 0.53 | 26274.482 | 305 | |
| 12026 | 1150 | 11610 | 6204 | 2.997 | 2.996774 | 0.4767 | 15.80 | 16.65 | 16.28 | 0.85 | 0.230 | 0.107 | 0.397 | 0.45 | 26427.255 | 384 | Sm |
| 2364 | 267 | 7824 | 10585 | 2.99743 | 2.997359 | 0.4767 | 15.32 | 16.24 | 15.94 | 0.92 | 0.130 | 0.070 | 0.351 | 0.80 | 30314.443 | 140 | |
| 5533 | 760 | 4196 | 16280 | ... | 2.997794 | 0.4768 | 15.86 | 16.42 | 16.14 | 0.56 | 0.230 | 0.090 | 0.375 | 0.32 | 26455.214 | 404 | S;cc |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M_0 | m_0 | $(m)_0$ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. |
|--------|------|-------|--------|---------------------|-----------------------|--------|--------------------|--------------------|--------------------|-------------------|-------|-------|-------|------|------------------|------|------|
| 12223* | 1222 | 2709" | 19542" | 3 ^d 0006 | 3 ^d 000681 | 0.4772 | 15 ^m 34 | 16 ^m 92 | 16 ^m 58 | 1 ^m 08 | 0.260 | 0.127 | 0.410 | 0.21 | 29602.400 | 101 | |
| 12541 | 1380 | 5262 | 20058 | ... | 3.000737 | 0.4772 | 15.63 | 16.93 | 16.42 | 1.30 | 0.260 | 0.127 | 0.410 | 0.21 | 28776.533 | 108 | |
| 2874 | 723 | 21275 | 16633 | ... | 3.001696 | 0.4774 | 15.97 | 16.93 | 16.47 | 0.96 | 0.220 | 0.080 | 0.280 | 0.24 | 24637.498 | 274 | |
| 12476 | 1329 | 1362 | 7320 | ... | 3.004150 | 0.4777 | 15.55 | 16.60 | 16.29 | 1.05 | 0.125 | 0.066 | 0.226 | 0.40 | 32888.426 | 207 | |
| 12225 | 1224 | 2946 | 18913 | 3.0075 | 3.007363 | 0.4782 | 16.15 | 16.81 | 16.41 | 0.66 | 0.285 | 0.118 | 0.409 | 0.24 | 31284.652 | 100 | |
| 12222 | 1221 | 2517 | 19569 | 3.0076 | 3.007641 | 0.4782 | 15.94 | 16.89 | 16.50 | 0.95 | 0.250 | 0.130 | 0.361 | 0.24 | 13876.814 | 104 | |
| 12692 | 1503 | 22080 | 13668 | ... | 3.008237 | 0.4783 | 15.84 | 17.18 | 16.66 | 1.34 | 0.190 | 0.100 | 0.379 | 0.26 | 23681.879 | 276 | |
| 5649 | 821 | 7722 | 19290 | ... | 3.008808 | 0.4784 | 15.20 | 16.36 | 15.89 | 1.16 | 0.135 | 0.083 | 0.378 | 0.28 | 31712.462 | 407 | |
| 12638 | 1456 | 17268 | 19470 | ... | 3.010005 | 0.4786 | 16.06 | 17.07 | 16.65 | 1.01 | 0.250 | 0.122 | 0.374 | 0.00 | 27802.499 | 348 | |
| 5924 | 989 | 14684 | 19363 | ... | 3.016682 | 0.4795 | 16.61 | 17.59 | 17.08 | 0.98 | 0.160 | 0.073 | 0.438 | 0.00 | 23592.516 | 376 | |
| 5877 | 966 | 13612 | 17245 | 3.02142 | 3.021701 | 0.4803 | 16.11 | 16.98 | 16.59 | 0.87 | 0.125 | 0.075 | 0.360 | 0.00 | 29228.404 | 331 | |
| 6050 | 1068 | 19378 | 17522 | ... | 3.023247 | 0.4805 | 16.18 | 16.89 | 16.50 | 0.71 | 0.240 | 0.130 | 0.415 | 0.30 | 30584.644 | 272 | S |
| 12418 | 1285 | 3330 | 2028 | 3.0250 | 3.024921 | 0.4807 | 15.38 | 16.15 | 15.87 | 0.77 | 0.230 | 0.100 | 0.330 | 0.33 | 28523.409 | 313 | S;cc |
| 13029 | 1703 | 9543 | 9330 | ... | 3.025252 | 0.4808 | 16.06 | 17.07 | 16.62 | 1.01 | 0.200 | 0.096 | 0.427 | 0.51 | 26308.518 | 383 | |
| 2406 | 307 | 9134 | 10204 | 3.0280 | 3.028150 | 0.4812 | 15.40 | 16.53 | 16.14 | 1.13 | 0.290 | 0.085 | 0.365 | 0.80 | 24501.614 | 445 | |
| 6023 | 1054 | 17934 | 4632 | ... | 3.028883 | 0.4813 | 16.31 | 17.14 | 16.74 | 0.83 | 0.260 | 0.077 | 0.397 | 0.30 | 26570.631 | 319 | |
| 5701 | 856 | 9037 | 11265 | 3.0300 | 3.029895 | 0.4814 | 15.88 | 17.12 | 16.60 | 1.24 | 0.195 | 0.095 | 0.326 | 0.80 | 27746.482 | 446 | |
| 2504 | 394 | 12039 | 3405 | ... | 3.030641 | 0.4815 | 15.75 | 16.95 | 16.57 | 1.10 | 0.190 | 0.080 | 0.334 | 0.25 | 29697.250 | 406 | |
| 12774 | 1569 | 8705 | 20739 | ... | 3.036928 | 0.4824 | 15.15 | 16.81 | 16.23 | 1.66 | 0.190 | 0.115 | 0.460 | 0.18 | 30605.584 | 104 | |
| 11985 | 1120 | 7008 | 9408 | 3.03785 | 3.037852 | 0.4826 | 16.68 | 17.13 | 17.00 | 0.55 | 0.370 | 0.163 | 0.431 | 0.50 | 23900.501 | 362 | S |
| 12582 | 1415 | 11268 | 816 | ... | 3.043742 | 0.4834 | 15.25 | 16.15 | 15.80 | 0.90 | 0.300 | 0.102 | 0.332 | 0.22 | 28776.584 | 377 | |
| 2443 | 337 | 9928 | 7293 | 3.04596 | 3.045917 | 0.4837 | 15.28 | 16.27 | 15.87 | 0.99 | 0.190 | 0.072 | 0.353 | 0.47 | 23900.501 | 343 | |
| 12514 | 1355 | 3780 | 7662 | ... | 3.047953 | 0.4840 | 16.38 | 17.13 | 16.74 | 0.75 | 0.195 | 0.074 | 0.338 | 0.38 | 27800.283 | 256 | |
| 12771 | 1566 | 8863 | -2026 | ... | 3.052534 | 0.4847 | 16.11 | 17.25 | 16.70 | 1.14 | 0.230 | 0.110 | 0.339 | 0.00 | 27723.592 | 144 | |
| 5672 | 836 | 8522 | 19347 | ... | 3.062081 | 0.4860 | 14.81 | 15.25 | 15.01 | 0.44 | 0.510 | 0.295 | 0.505 | 0.19 | 26245.582 | 466 | |
| 13042 | 1716 | 15725 | 6144 | ... | 3.068492 | 0.4869 | 15.16 | 15.52 | 15.34 | 0.66 | 0.470 | 0.219 | 0.479 | 0.52 | 24802.831 | 408 | |
| 12021 | 1145 | 11411 | 5958 | 3.0705655 | 3.070511 | 0.4872 | 15.98 | 17.20 | 16.75 | 1.22 | 0.140 | 0.094 | 0.326 | 0.50 | 27799.378 | 388 | |
| 13021 | 1695 | 5140 | 12329 | ... | 3.072079 | 0.4874 | 15.54 | 16.41 | 16.03 | 0.87 | 0.190 | 0.080 | 0.408 | 0.30 | 27750.440 | 391 | |
| 12504 | 1347 | 3192 | 15726 | ... | 3.075908 | 0.4880 | 16.17 | 16.80 | 16.55 | 0.63 | 0.230 | 0.075 | 0.286 | 0.34 | 23740.790 | 332 | |
| 2427 | 326 | 9681 | 9413 | 3.0781 | 3.077975 | 0.4883 | 15.15 | 15.99 | 15.61 | 0.84 | 0.250 | 0.116 | 0.426 | 0.80 | 27449.381 | 439 | S |
| 2500 | 390 | 12009 | 6006 | 3.07864 | 3.078574 | 0.4884 | 15.55 | 16.89 | 16.42 | 1.34 | 0.220 | 0.112 | 0.388 | 0.44 | 26412.253 | 393 | |
| 12431 | 1298 | 5202 | 3636 | 3.08348 | 3.083404 | 0.4890 | 16.45 | 16.81 | 16.67 | 0.36 | 0.275 | 0.113 | 0.491 | 0.33 | 28758.570 | 244 | S;P? |
| 5558 | 772 | 5242 | 4912 | 3.083935 | 3.083770 | 0.4891 | 15.92 | 17.28 | 16.71 | 1.36 | 0.250 | 0.078 | 0.319 | 0.31 | 29933.563 | 364 | |
| 5757 | 900 | 14016 | 8816 | 3.088049 | 3.088049 | 0.4897 | 15.68 | 16.04 | 15.85 | 0.38 | 0.430 | 0.160 | 0.426 | 0.80 | 24824.683 | 441 | S;cr |
| 2412 | 313 | 9226 | 10254 | 3.0882 | 3.088350 | 0.4897 | 15.73 | 16.76 | 16.35 | 1.03 | 0.230 | 0.139 | 0.431 | 0.51 | 27658.609 | 448 | |
| 12736 | 1538 | 208 | 18964 | ... | 3.091213 | 0.4901 | 15.85 | 16.82 | 16.43 | 0.97 | 0.280 | 0.102 | 0.382 | 0.24 | 32056.587 | 282 | |
| 983 | 111 | 13543 | 5729 | 3.09369 | 3.092686 | 0.4905 | 14.73 | 15.83 | 15.36 | 1.10 | 0.095 | 0.066 | 0.290 | 0.50 | 26444.225 | 411 | |
| 12652 | 1468 | 18672 | 3822 | ... | 3.094557 | 0.4906 | 16.27 | 17.06 | 16.68 | 0.79 | 0.160 | 0.070 | 0.381 | 0.30 | 30327.573 | 280 | Sm |
| 2654* | 520 | 14564 | 5786 | ... | 3.095786 | 0.4908 | 15.23 | 16.14 | 15.73 | 0.91 | 0.260 | 0.091 | 0.401 | 0.51 | 17590.584 | 427 | S |
| 12672 | 1486 | 20196 | 2784 | ... | 3.100798 | 0.4915 | 15.80 | 16.75 | 16.23 | 0.95 | 0.300 | 0.124 | 0.345 | 0.38 | 27746.482 | 211 | |
| 12202 | 1207 | 7555 | 22854 | 3.1011 | 3.101102 | 0.4915 | 16.36 | 17.23 | 16.80 | 0.87 | 0.485 | 0.185 | 0.466 | 0.12 | 30351.312 | 91 | |
| 12341 | 1271 | 16992 | 4578 | 3.102863 | 3.102777 | 0.4918 | 15.61 | 16.15 | 15.93 | 0.54 | 0.250 | 0.102 | 0.392 | 0.80 | 27800.414 | 408 | |
| 2353 | 256 | 7354 | 5067 | ... | 3.108178 | 0.4925 | 15.23 | 15.61 | 15.43 | 0.38 | 0.430 | 0.148 | 0.384 | 0.50 | 31107.354 | 447 | |
| 12330 | 1260 | 15678 | 5280 | 3.10872 | 3.108916 | 0.4926 | 15.80 | 16.88 | 16.48 | 1.08 | 0.190 | 0.098 | 0.379 | 0.51 | 27421.344 | 390 | |
| 12196 | 1201 | 7150 | 22934 | 3.11306 | 3.113141 | 0.4932 | 16.41 | 16.95 | 16.73 | 0.54 | 0.255 | 0.143 | 0.398 | 0.12 | 25615.422 | 250 | S |
| W 48 | 1749 | 5202 | 18397 | 3.113 | 3.113406 | 0.4932 | 15.61 | 16.78 | 16.36 | 1.17 | 0.325 | 0.097 | 0.372 | 0.27 | 31712.462 | 110 | |
| 2813 | 666 | 18155 | 16556 | ... | 3.113521 | 0.4932 | 15.52 | 16.94 | 16.17 | 1.42 | 0.170 | 0.074 | 0.343 | 0.17 | 26011.336 | 404 | |
| 5780 | 917 | 11118 | 9048 | 3.11756 | 3.117557 | 0.4938 | 16.41 | 16.81 | 16.61 | 0.40 | 0.300 | 0.155 | 0.455 | 0.48 | 26573.635 | 421 | |
| 5834 | 944 | 12468 | 6028 | 3.12207 | 3.122456 | 0.4945 | 15.10 | 15.72 | 15.33 | 0.62 | 0.480 | 0.290 | 0.589 | 0.44 | 29626.278 | 419 | |
| 12636 | 1454 | 17142 | 3072 | ... | 3.125514 | 0.4949 | 16.26 | 17.18 | 16.76 | 0.92 | 0.250 | 0.095 | 0.355 | 0.52 | 29526.598 | 296 | |
| 12224 | 1223 | 2922 | 18912 | 3.1276 | 3.127668 | 0.4952 | 15.64 | 16.81 | 16.26 | 1.17 | 0.280 | 0.150 | 0.433 | 0.24 | 31734.459 | 100 | |
| 12533 | 1273 | 4620 | 20220 | 3.129 | 3.128969 | 0.4954 | 15.55 | 16.50 | 16.18 | 0.95 | 0.310 | 0.152 | 0.420 | 0.21 | 29970.446 | 106 | |
| 2359 | 262 | 7654 | 9249 | 3.1291 | 3.129097 | 0.4954 | 15.93 | 16.96 | 16.47 | 1.03 | 0.220 | 0.105 | 0.393 | 0.50 | 28035.597 | 311 | |
| 2872 | 721 | 21244 | 17183 | ... | 3.131142 | 0.4957 | 15.40 | 16.70 | 15.95 | 1.30 | 0.175 | 0.073 | 0.368 | 0.24 | 29199.447 | 196 | |
| 12521 | 1362 | 4260 | 19860 | 3.140 | 3.140185 | 0.4970 | 16.23 | 16.83 | 16.56 | 0.60 | 0.190 | 0.111 | 0.489 | 0.27 | 32063.618 | 106 | |
| 5522 | 753 | 3530 | 13340 | ... | 3.140298 | 0.4970 | 16.06 | 16.80 | 16.46 | 0.74 | 0.260 | 0.098 | 0.403 | 0.50 | 27799.286 | 380 | |
| 5841 | 948 | 12710 | 5445 | ... | 3.142666 | 0.4973 | 15.07 | 15.66 | 15.35 | 0.59 | 0.500 | 0.288 | 0.508 | 0.30 | 27807.399 | 414 | S;cr |
| 12197 | 1202 | 7509 | 22677 | 3.1437 | 3.143815 | 0.4975 | 16.20 | 17.04 | 16.69 | 0.84 | 0.230 | 0.082 | 0.316 | 0.12 | 25946.477 | 111 | |
| 12408 | 1276 | 1902 | 3552 | 3.14643 | 3.146274 | 0.4978 | 15.97 | 16.66 | 16.42 | 0.69 | 0.185 | 0.081 | 0.314 | 0.39 | 31669.633 | 69 | |
| W 28 | 1737 | 3837 | 19152 | ... | 3.148744 | 0.4981 | 16.63 | 16.89 | 16.71 | 0.26 | 0.300 | 0.148 | 0.423 | 0.24 | 27756.301 | 104 | |
| 2717 | 577 | 15953 | 5914 | 3.15 | 3.155211 | 0.4990 | 16.13 | 16.83 | 16.53 | 0.70 | 0.300 | 0.163 | 0.423 | 0.51 | 27808.282 | 390 | |
| 2689 | 550 | 15312 | 2274 | ... | 3.162762 | 0.5001 | 16.01 | 16.70 | 16.45 | 0.69 | 0.350 | 0.118 | 0.398 | 0.30 | 27800.377 | 428 | |
| 12972 | 1662 | 5772 | 14576 | ... | 3.164948 | 0.5004 | 16.50 | 17.04 | 16.74 | 0.54 | 0.365 | 0.108 | 0.396 | 0.50 | 32916.283 | 212 | |
| 2545 | 430 | 12841 | 5777 | 3.16599 | 3.166099 | 0.5005 | 15.41 | 16.43 | 16.02 | 1.02 | 0.250 | 0.081 | 0.379 | 0.50 | 27449.307 | 426 | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. |
|-------|------|-------|--------|---------------------|-----------------------|--------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|------------------|------|------|
| 12502 | 1345 | 2964" | 11724" | ... | 3 ^d 167435 | 0.5007 | 16 ^m 24 | 17 ^m 16 | 16 ^m 79 | 0 ^m 92 | 0 ^p 315 | 0 ^p 095 | 0 ^p 385 | 0 ^m 44 | 27786.315 | 352 | |
| 2254 | 167 | 3695 | 19844 | 3 ^d 1682 | 3.167912 | 0.5008 | 15.30 | 16.81 | 16.21 | 1.51 | 0.165 | 0.086 | 0.361 | 0.24 | 29597.318 | 105 | |
| 6107 | 1106 | 10721 | 20113 | ... | 3.170877 | 0.5012 | 16.06 | 16.81 | 16.64 | 0.84 | 0.135 | 0.076 | 0.374 | 0.06 | 26565.613 | 327 | |
| 2863 | 713 | 20405 | 17687 | ... | 3.172102 | 0.5013 | 16.24 | 17.57 | 16.96 | 1.33 | 0.155 | 0.100 | 0.340 | 0.24 | 30725.573 | 246 | |
| 5975 | 1021 | 16042 | 6068 | 3.17310 | 3.173259 | 0.5015 | 16.08 | 16.72 | 16.47 | 0.64 | 0.300 | 0.092 | 0.311 | 0.80 | 26635.562 | 374 | S;P? |
| 12835 | 1616 | 17031 | 20628 | ... | 3.179996 | 0.5024 | 15.73 | 17.02 | 16.58 | 1.29 | 0.290 | 0.113 | 0.381 | 0.00 | 30680.540 | 102 | |
| 12624 | 1442 | 15180 | 3300 | ... | 3.182664 | 0.5028 | 16.12 | 17.28 | 16.84 | 1.16 | 0.300 | 0.105 | 0.375 | 0.44 | 29188.552 | 438 | |
| W 31 | 1739 | 3786 | 18632 | 3.190 | 3.188373 | 0.5036 | 16.51 | 16.91 | 16.74 | 0.40 | 0.300 | 0.160 | 0.410 | 0.24 | 29994.284 | 104 | |
| 12828 | 1609 | 15293 | 21215 | ... | 3.188908 | 0.5036 | 15.70 | 16.64 | 16.17 | 0.94 | 0.240 | 0.114 | 0.375 | 0.00 | 31701.568 | 110 | |
| 12195 | 1200 | 7164 | 23847 | 3.1897 | 3.189845 | 0.5038 | 15.32 | 16.44 | 15.90 | 1.12 | 0.145 | 0.063 | 0.341 | 0.12 | 29597.318 | 233 | |
| 2866 | 716 | 20855 | 15279 | ... | 3.192705 | 0.5042 | 15.69 | 16.83 | 16.36 | 1.14 | 0.175 | 0.092 | 0.392 | 0.30 | 31734.558 | 333 | |
| 12910 | 1651 | 2607 | 6513 | 3.192789 | 3.192789 | 0.5042 | 16.07 | 16.50 | 16.33 | 0.43 | 0.345 | 0.080 | 0.397 | 0.38 | 32919.335 | 227 | |
| W 47 | 1748 | 5450 | 18176 | 3.194 | 3.193286 | 0.5042 | 15.81 | 17.05 | 16.51 | 1.24 | 0.280 | 0.092 | 0.424 | 0.27 | 29128.579 | 117 | |
| 2710 | 570 | 15740 | 5642 | 3.19 | 3.194506 | 0.5044 | 15.89 | 16.68 | 16.39 | 0.79 | 0.320 | 0.125 | 0.380 | 0.51 | 27807.317 | 404 | |
| 2373 | 276 | 8143 | 10871 | 3.19737 | 3.197658 | 0.5048 | 15.37 | 16.57 | 16.03 | 1.20 | 0.175 | 0.114 | 0.369 | 0.51 | 24081.749 | 452 | |
| 2735 | 594 | 16287 | 4912 | 3.1987164 | 3.198793 | 0.5050 | 15.88 | 16.44 | 16.10 | 0.56 | 0.250 | 0.121 | 0.381 | 0.80 | 29697.250 | 355 | S |
| 2682 | 544 | 15157 | 13332 | ... | 3.200306 | 0.5052 | 16.21 | 16.98 | 16.73 | 0.57 | 0.225 | 0.092 | 0.404 | 0.50 | 30270.603 | 417 | |
| 12194 | 1199 | 7110 | 22633 | 3.2049 | 3.204679 | 0.5058 | 15.90 | 16.79 | 16.40 | 0.89 | 0.275 | 0.114 | 0.409 | 0.12 | 30313.448 | 111 | |
| 6011 | 1045 | 17677 | 16595 | ... | 3.205323 | 0.5059 | 15.17 | 15.54 | 15.33 | 0.37 | 0.520 | 0.226 | 0.417 | 0.30 | 16820.567 | 421 | |
| 2880 | 729 | 22491 | 15756 | ... | 3.205471 | 0.5059 | 15.72 | 16.90 | 16.35 | 1.18 | 0.240 | 0.072 | 0.347 | 0.30 | 27658.646 | 258 | |
| 12994 | 1674 | 13666 | 2587 | ... | 3.205786 | 0.5059 | 15.97 | 16.64 | 16.36 | 0.67 | 0.220 | 0.108 | 0.342 | 0.25 | 31717.626 | 432 | |
| 12748 | 1547 | 4664 | 21644 | ... | 3.207072 | 0.5061 | 15.18 | 16.68 | 16.04 | 1.50 | 0.300 | 0.087 | 0.386 | 0.21 | 29104.658 | 103 | |
| 12462 | 1318 | 1026 | 4902 | ... | 3.209305 | 0.5064 | 16.11 | 16.78 | 16.49 | 0.67 | 0.390 | 0.110 | 0.344 | 0.35 | 27670.574 | 176 | |
| 12329 | 1259 | 15465 | 5742 | 3.2110 | 3.210448 | 0.5065 | 15.39 | 16.34 | 15.99 | 0.95 | 0.310 | 0.097 | 0.417 | 0.51 | 29913.598 | 383 | |
| 12205 | 1210 | 7741 | 22745 | 3.2104 | 3.210385 | 0.5065 | 15.44 | 16.48 | 16.10 | 1.04 | 0.290 | 0.094 | 0.376 | 0.12 | 30669.451 | 113 | |
| 6089 | 1092 | 22041 | 6091 | ... | 3.213127 | 0.5069 | 15.78 | 16.11 | 15.94 | 0.33 | 0.500 | 0.289 | 0.480 | 0.26 | 29627.308 | 379 | |
| 12419 | 1286 | 3426 | 5328 | 3.21345 | 3.213398 | 0.5070 | 16.07 | 16.82 | 16.43 | 0.75 | 0.250 | 0.072 | 0.330 | 0.31 | 26689.391 | 209 | |
| 5733* | 888 | 9940 | 7483 | ... | 3.215025 | 0.5072 | 15.30 | 15.57 | 15.44 | 0.27 | 0.425 | 0.188 | 0.463 | 0.47 | 16816.644 | 450 | S;P? |
| 12003 | 1133 | 9030 | 8604 | 3.21837 | 3.218520 | 0.5077 | 16.00 | 17.19 | 16.48 | 1.19 | 0.320 | 0.130 | 0.350 | 0.51 | 24360.895 | 425 | |
| 2688 | 549 | 15311 | 6754 | 3.222 | 3.221069 | 0.5080 | 15.17 | 16.34 | 15.94 | 1.17 | 0.235 | 0.089 | 0.346 | 0.80 | 29697.250 | 393 | |
| 12444 | 1306 | 300 | 17280 | ... | 3.222563 | 0.5082 | 16.32 | 16.97 | 16.71 | 0.65 | 0.190 | 0.108 | 0.268 | 0.29 | 32555.317 | 181 | |
| 2734 | 593 | 16276 | 4234 | ... | 3.222920 | 0.5082 | 15.44 | 16.34 | 15.93 | 0.90 | 0.150 | 0.069 | 0.380 | 0.80 | 29129.635 | 358 | |
| 2368 | 271 | 7979 | 11900 | 3.2234 | 3.223412 | 0.5083 | 15.71 | 16.78 | 16.36 | 1.07 | 0.175 | 0.098 | 0.406 | 0.30 | 27807.476 | 441 | |
| 2742 | 601 | 16463 | 3337 | ... | 3.224377 | 0.5084 | 15.80 | 16.61 | 16.20 | 0.81 | 0.190 | 0.079 | 0.416 | 0.52 | 31436.383 | 363 | |
| 12722 | 1527 | -667 | 8356 | ... | 3.229170 | 0.5091 | 15.94 | 16.78 | 16.35 | 0.84 | 0.296 | 0.099 | 0.344 | 0.44 | 31704.549 | 192 | |
| 2811 | 664 | 18094 | 13733 | ... | 3.233839 | 0.5097 | 16.33 | 17.17 | 16.78 | 0.84 | 0.225 | 0.125 | 0.374 | 0.30 | 26684.383 | 381 | |
| 12056 | 1170 | 13548 | 10242 | 3.236 | 3.235550 | 0.5100 | 15.94 | 16.98 | 16.65 | 1.04 | ... | 0.080 | 0.241 | 0.46 | 29222.409 | 225 | |
| 2610 | 485 | 13954 | 7308 | 3.24078 | 3.240796 | 0.5107 | 15.85 | 16.57 | 16.30 | 0.72 | 0.300 | 0.107 | 0.423 | 0.80 | 31740.496 | 425 | |
| 12189 | 1194 | 6525 | 21979 | 3.2460 | 3.246005 | 0.5113 | 16.06 | 17.00 | 16.56 | 0.94 | 0.245 | 0.156 | 0.410 | 0.12 | 31698.521 | 100 | |
| 12339 | 1269 | 16920 | 5490 | 3.24644 | 3.246479 | 0.5114 | 14.88 | 16.22 | 15.75 | 1.34 | 0.155 | 0.061 | 0.317 | 0.80 | 27456.276 | 391 | |
| 2856 | 706 | 19983 | 16553 | ... | 3.249406 | 0.5118 | 15.94 | 16.77 | 16.45 | 0.83 | 0.230 | 0.110 | 0.376 | 0.17 | 29219.342 | 351 | |
| 2361 | 264 | 7666 | 11764 | 3.250875 | 3.250875 | 0.5120 | 16.37 | 17.23 | 16.85 | 0.86 | 0.240 | 0.094 | 0.415 | 0.30 | 27658.609 | 423 | Sm |
| 13037 | 1711 | 14254 | 25274 | ... | 3.251272 | 0.5121 | 15.77 | 16.92 | 16.25 | 1.15 | 0.290 | 0.130 | 0.353 | 0.00 | 31674.592 | 245 | |
| 12450 | 1310 | 540 | 16602 | ... | 3.251602 | 0.5121 | 15.72 | 16.88 | 16.50 | 1.16 | 0.190 | 0.079 | 0.325 | 0.30 | 31734.465 | 204 | |
| 5817 | 934 | 11935 | 5893 | 3.25300 | 3.252978 | 0.5123 | 15.70 | 16.55 | 16.20 | 0.85 | 0.340 | 0.102 | 0.348 | 0.50 | 32919.335 | 391 | S;cc |
| 12665 | 1479 | 19380 | 14952 | ... | 3.255335 | 0.5126 | 15.83 | 16.75 | 16.36 | 0.92 | 0.220 | 0.100 | 0.354 | 0.25 | 26322.343 | 375 | |
| 2465 | 359 | 10692 | 9730 | ... | 3.255826 | 0.5127 | 15.99 | 16.80 | 16.43 | 0.81 | 0.195 | 0.106 | 0.359 | 0.48 | 26444.225 | 444 | S;cr |
| 12662 | 1476 | 19200 | 4920 | ... | 3.258032 | 0.5130 | 16.28 | 17.25 | 16.78 | 0.97 | 0.170 | 0.088 | 0.410 | 0.30 | 31738.589 | 289 | |
| 5978 | 1023 | 16283 | 14780 | 3.25924 | 3.259351 | 0.5131 | 15.36 | 16.07 | 15.74 | 0.71 | 0.215 | 0.096 | 0.410 | 0.30 | 29217.448 | 400 | |
| 1009 | 136 | 16056 | 5661 | ... | 3.260579 | 0.5133 | 15.18 | 15.88 | 15.45 | 0.70 | 0.415 | 0.240 | 0.490 | 0.80 | 29204.484 | 397 | |
| 12780 | 1574 | 9732 | 20701 | ... | 3.261702 | 0.5134 | 16.44 | 17.39 | 16.95 | 0.95 | 0.250 | 0.092 | 0.390 | 0.18 | 13875.807 | 120 | |
| 12553 | 1390 | 6990 | 3378 | ... | 3.266662 | 0.5141 | 15.98 | 17.00 | 16.56 | 1.02 | 0.270 | 0.119 | 0.435 | 0.37 | 30023.355 | 112 | S! |
| 941 | 70 | 11155 | 8848 | 3.2676 | 3.267761 | 0.5143 | 16.01 | 16.81 | 16.52 | 0.80 | 0.280 | 0.132 | 0.358 | 0.48 | 23681.879 | 430 | S |
| 2721 | 581 | 16004 | 5207 | 3.26989 | 3.269442 | 0.5145 | 15.83 | 16.43 | 16.20 | 0.60 | 0.250 | 0.133 | 0.362 | 0.80 | 26689.391 | 367 | |
| 12758 | 1555 | 5859 | 21194 | ... | 3.270552 | 0.5146 | 15.75 | 16.86 | 16.49 | 1.11 | 0.230 | 0.086 | 0.367 | 0.30 | 29970.446 | 109 | |
| 12733 | 1536 | 58 | 17191 | ... | 3.272799 | 0.5149 | 16.14 | 17.01 | 16.67 | 0.87 | 0.150 | 0.090 | 0.337 | 0.29 | 28125.361 | 215 | |
| 2398 | 299 | 8871 | 9993 | ... | 3.276832 | 0.5155 | 14.63 | 15.15 | 14.88 | 0.52 | 0.495 | 0.229 | 0.426 | 0.80 | 30319.479 | 454 | S |
| 2759* | 617 | 16785 | 5281 | ... | 3.278323 | 0.5156 | 16.15 | 16.96 | 16.59 | 0.81 | 0.230 | 0.106 | 0.353 | 0.80 | 29219.342 | 325 | |
| 12187 | 1192 | 6314 | 21588 | 3.2867 | 3.286560 | 0.5167 | 15.97 | 17.19 | 16.78 | 1.22 | 0.235 | 0.081 | 0.356 | 0.19 | 29970.446 | 103 | |
| 2839 | 689 | 19045 | 9664 | 3.29689 | 3.296827 | 0.5181 | 15.07 | 16.54 | 15.96 | 1.47 | 0.235 | 0.074 | 0.387 | 0.44 | 14391.543 | 354 | |
| 12967 | 1657 | 4613 | 13814 | ... | 3.298404 | 0.5183 | 16.18 | 16.89 | 16.57 | 0.71 | 0.230 | 0.108 | 0.398 | 0.30 | 27799.482 | 343 | S |
| 5747 | 894 | 10277 | 9568 | 3.2992 | 3.299240 | 0.5184 | 16.61 | 16.98 | 16.82 | 0.37 | 0.275 | 0.080 | 0.375 | 0.48 | 25886.539 | 453 | |
| 12523 | 1364 | 4320 | 12402 | ... | 3.302991 | 0.5189 | 16.20 | 16.66 | 16.46 | 0.46 | 0.240 | 0.072 | 0.377 | 0.45 | 29586.337 | 385 | |
| 5909* | 978 | 14238 | 6793 | 3.30770 | 3.307157 | 0.5195 | 15.99 | 16.95 | 16.61 | 0.96 | 0.235 | 0.105 | 0.354 | 0.80 | 27807.283 | 355 | S |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | Max JD 2400000+ | Obs | Rem. |
|-------|------|--------|-------|----------------------|-----------------------|--------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|--------------------|-----|------|
| 2737 | 596 | 16344" | 5306" | 3 ^d 30938 | 3 ^d 309910 | 0.5198 | 15 ^m 78 | 16 ^m 30 | 16 ^m 07 | 0 ^s 72 | 0 ^s 234 | 0 ^s 092 | 0 ^s 379 | 0 ^s 80 | 26303.577 | 394 | S |
| 13040 | 1714 | 14926 | 7511 | ... | 3.310864 | 0.5199 | 15.46 | 16.18 | 15.91 | 0.72 | 0.215 | 0.105 | 0.381 | 0.52 | 27457.382 | 372 | |
| 2846 | 696 | 19337 | 14864 | ... | 3.311906 | 0.5201 | 15.38 | 16.45 | 15.98 | 1.07 | 0.220 | 0.078 | 0.382 | 0.25 | 31772.444 | 337 | |
| 5905 | 975 | 14218 | 2500 | ... | 3.312339 | 0.5201 | 16.21 | 16.87 | 16.55 | 0.66 | 0.250 | 0.113 | 0.405 | 0.00 | 26264.557 | 378 | |
| 12069 | 1180 | 20868 | 7080 | 3.3131 | 3.312883 | 0.5202 | 15.84 | 16.86 | 16.21 | 1.02 | 0.190 | 0.089 | 0.327 | 0.33 | 13894.749 | 166 | |
| 12565 | 1399 | 8460 | 20118 | ... | 3.315688 | 0.5206 | 16.37 | 16.97 | 16.72 | 0.60 | 0.365 | 0.149 | 0.454 | 0.18 | 17966.591 | 98 | |
| 5800 | 924 | 11720 | 9381 | ... | 3.320896 | 0.5213 | 15.97 | 16.81 | 16.43 | 0.84 | 0.150 | 0.094 | 0.345 | 0.00 | 26322.343 | 343 | |
| 12821 | 1602 | 14340 | 23628 | ... | 3.321245 | 0.5213 | 16.17 | 16.75 | 16.48 | 0.58 | 0.220 | 0.110 | 0.287 | 0.00 | 25617.348 | 211 | |
| 2471 | 364 | 11118 | 8807 | 3.3688 | 3.321487 | 0.5213 | 16.02 | 16.64 | 16.36 | 0.62 | 0.230 | 0.141 | 0.369 | 0.48 | 16820.747 | 443 | S;cr |
| 12753 | 1550 | 5090 | 20996 | ... | 3.327389 | 0.5221 | 16.47 | 17.04 | 16.75 | 0.57 | 0.260 | 0.114 | 0.436 | 0.21 | 28759.565 | 108 | |
| 2784 | 640 | 17304 | 5131 | 3.33370 | 3.33866 | 0.5230 | 15.56 | 16.85 | 16.35 | 1.29 | 0.200 | 0.095 | 0.319 | 0.80 | 23489.539 | 296 | |
| 2885 | 734 | 6197 | 25088 | ... | 3.337006 | 0.5234 | 14.97 | 16.13 | 15.63 | 1.16 | 0.195 | 0.076 | 0.328 | 0.00 | 27425.437 | 238 | |
| 12763 | 1560 | 6779 | 20721 | ... | 3.337146 | 0.5234 | 15.91 | 16.89 | 16.46 | 0.98 | 0.295 | 0.095 | 0.471 | 0.19 | 31330.638 | 103 | |
| 5685 | 844 | 8753 | 10323 | 3.3382 | 3.338296 | 0.5235 | 16.42 | 16.83 | 16.64 | 0.41 | 0.310 | 0.122 | 0.326 | 0.80 | 29517.624 | 257 | |
| 5511 | 748 | 3052 | 2876 | 3.34011 | 3.340114 | 0.5238 | 16.17 | 16.91 | 16.64 | 0.74 | 0.250 | 0.112 | 0.391 | 0.33 | 32537.390 | 339 | |
| 5791* | 920 | 11439 | 9007 | ... | 3.345746 | 0.5245 | 15.96 | 16.59 | 16.33 | 0.63 | 0.310 | 0.132 | 0.382 | 0.48 | 27746.482 | 477 | |
| 12027 | 1151 | 11628 | 6402 | 3.349 | 3.348536 | 0.5249 | 15.96 | 16.73 | 16.39 | 0.77 | 0.230 | 0.116 | 0.370 | 0.30 | 28035.597 | 374 | |
| 2458 | 352 | 15016 | 9162 | 3.35877 | 3.358868 | 0.5262 | 15.72 | 16.57 | 16.30 | 0.85 | 0.150 | 0.080 | 0.367 | 0.80 | 27422.272 | 426 | |
| 2378 | 281 | 8474 | 9764 | 3.3594 | 3.359598 | 0.5263 | 15.82 | 16.80 | 16.41 | 0.98 | 0.185 | 0.106 | 0.384 | 0.80 | 32012.641 | 436 | |
| 12594 | 1423 | 12132 | 2532 | ... | 3.364952 | 0.5270 | 15.81 | 16.82 | 16.43 | 1.01 | 0.255 | 0.097 | 0.422 | 0.25 | 30325.344 | 417 | |
| 12219 | 1219 | 1608 | 19908 | 3.3716 | 3.371832 | 0.5279 | 15.61 | 16.73 | 16.48 | 1.12 | 0.245 | 0.091 | 0.383 | 0.24 | 31688.643 | 104 | |
| 2519 | 408 | 12339 | 5827 | 3.374115 | 3.374400 | 0.5282 | 15.81 | 16.52 | 16.23 | 0.71 | 0.335 | 0.156 | 0.418 | 0.50 | 26455.214 | 402 | |
| 12423 | 1290 | 3882 | 546 | 3.37430 | 3.374511 | 0.5282 | 15.99 | 16.99 | 16.51 | 1.00 | 0.250 | 0.077 | 0.319 | 0.31 | 29674.309 | 263 | |
| W 25 | 1736 | 4255 | 19363 | 3.378 | 3.377851 | 0.5286 | 16.47 | 17.07 | 16.77 | 0.60 | 0.295 | 0.131 | 0.422 | 0.27 | 29602.400 | 101 | |
| 2630 | 500 | 14241 | 6741 | 3.380205 | 3.380602 | 0.5290 | 16.00 | 17.05 | 16.64 | 1.05 | 0.205 | 0.098 | 0.365 | 0.80 | 29869.637 | 445 | |
| 5768 | 908 | 10714 | 17632 | ... | 3.384462 | 0.5295 | 15.28 | 15.92 | 15.62 | 0.64 | 0.450 | 0.198 | 0.436 | 0.27 | 30372.326 | 401 | |
| 6067 | 1079 | 20370 | 10857 | 3.3775 | 3.385768 | 0.5297 | 15.56 | 16.57 | 16.13 | 1.01 | 0.170 | 0.093 | 0.385 | 0.50 | 23705.769 | 349 | |
| 2316 | 223 | 5904 | 8604 | 3.3926 | 3.392599 | 0.5305 | 15.50 | 16.47 | 16.10 | 0.97 | 0.175 | 0.099 | 0.366 | 0.80 | 26573.635 | 393 | |
| 2803 | 658 | 17909 | 15024 | ... | 3.393005 | 0.5306 | 15.02 | 16.49 | 15.87 | 1.47 | 0.210 | 0.079 | 0.406 | 0.17 | 30023.355 | 346 | |
| 2658 | 524 | 14632 | 5691 | 3.39730 | 3.397196 | 0.5311 | 15.69 | 16.73 | 16.11 | 1.04 | 0.190 | 0.073 | 0.415 | 0.51 | 27714.594 | 435 | S! |
| 12961 | 1655 | 1709 | 7885 | ... | 3.398508 | 0.5313 | 15.95 | 17.11 | 16.34 | 1.16 | 0.205 | 0.083 | 0.286 | 0.40 | 26573.635 | 150 | |
| 12518 | 1359 | 4038 | 15402 | ... | 3.405347 | 0.5322 | 15.96 | 16.52 | 16.21 | 0.56 | 0.270 | 0.132 | 0.340 | 0.37 | 31330.638 | 217 | S |
| 2624* | 496 | 14127 | 7034 | ... | 3.408970 | 0.5326 | 14.92 | 15.56 | 15.29 | 0.64 | 0.240 | 0.075 | 0.416 | 0.80 | 13875.807 | 444 | S;cr |
| 5809 | 927 | 11811 | 6395 | 3.40977 | 3.409671 | 0.5327 | 15.83 | 16.65 | 16.37 | 0.82 | 0.230 | 0.114 | 0.444 | 0.45 | 27413.374 | 425 | |
| 12686 | 1499 | 21498 | 15228 | ... | 3.411351 | 0.5329 | 14.94 | 15.75 | 15.32 | 0.81 | 0.480 | 0.244 | 0.485 | 0.30 | 27802.552 | 394 | S |
| 2843 | 693 | 19224 | 17008 | ... | 3.415382 | 0.5334 | 16.01 | 16.69 | 16.36 | 0.68 | 0.280 | 0.130 | 0.409 | 0.17 | 26988.563 | 356 | |
| 1008 | 135 | 16043 | 5632 | 3.417903: | 3.418204 | 0.5338 | 15.03 | 15.63 | 15.31 | 0.60 | 0.500 | 0.219 | 0.468 | 0.80 | 24380.812 | 400 | |
| 5530 | 757 | 3996 | 16304 | ... | 3.419856 | 0.5340 | 15.60 | 16.31 | 16.03 | 0.71 | 0.150 | 0.101 | 0.412 | 0.27 | 30646.367 | 461 | |
| 2428 | 327 | 9695 | 9580 | 3.41995 | 3.420114 | 0.5340 | 16.06 | 16.56 | 16.29 | 0.50 | 0.255 | 0.123 | 0.448 | 0.80 | 29586.337 | 422 | S |
| 12647 | 1464 | 18420 | 3210 | ... | 3.425460 | 0.5347 | 15.61 | 17.27 | 16.58 | 1.66 | 0.140 | 0.056 | 0.342 | 0.30 | 26245.825 | 314 | |
| 12757 | 1554 | 7245 | -600 | ... | 3.426795 | 0.5349 | 15.35 | 17.12 | 16.39 | 1.77 | 0.180 | 0.071 | 0.289 | 0.00 | 31734.496 | 258 | |
| 12765 | 1562 | 8175 | 476 | ... | 3.429241 | 0.5352 | 15.23 | 15.81 | 15.53 | 0.58 | 0.505 | 0.244 | 0.477 | 0.00 | 28758.570 | 82 | |
| 12772 | 1567 | 9058 | -392 | ... | 3.430319 | 0.5353 | 16.17 | 17.42 | 16.84 | 1.25 | 0.230 | 0.189 | 0.373 | 0.00 | 31712.517 | 271 | |
| 970* | 99 | 12840 | 7606 | ... | 3.433641 | 0.5358 | 16.25 | 17.22 | 16.84 | 0.97 | 0.350 | 0.102 | 0.427 | 0.80 | 27799.378 | 452 | S;cr |
| 5776 | 914 | 11024 | 17966 | ... | 3.438439 | 0.5364 | 15.86 | 16.49 | 16.26 | 0.63 | 0.240 | 0.113 | 0.403 | 0.27 | 29584.400 | 374 | |
| 12204 | 1209 | 7612 | 22854 | 3.43861 | 3.438788 | 0.5364 | 14.83 | 16.49 | 15.89 | 1.66 | 0.260 | 0.081 | 0.411 | 0.12 | 28408.592 | 113 | |
| 12987 | 1672 | 7009 | 3475 | ... | 3.440813 | 0.5367 | 15.62 | 16.80 | 16.20 | 1.18 | 0.225 | 0.079 | 0.250 | 0.37 | 29222.409 | 203 | |
| 12201 | 1206 | 7578 | 22528 | 3.4439 | 3.443726 | 0.5370 | 15.78 | 16.98 | 16.35 | 1.20 | 0.130 | 0.087 | 0.406 | 0.12 | 27660.599 | 108 | |
| 12332 | 1262 | 16440 | 6528 | 3.444475 | 3.444148 | 0.5371 | 15.88 | 16.83 | 16.38 | 0.95 | 0.250 | 0.077 | 0.381 | 0.80 | 26055.296 | 374 | |
| 12574 | 1407 | 9360 | 1398 | ... | 3.445318 | 0.5372 | 16.20 | 16.92 | 16.50 | 0.72 | 0.400 | 0.233 | 0.513 | 0.32 | 27457.502 | 317 | S;P? |
| 5697 | 854 | 8948 | 9601 | 3.44622 | 3.446351 | 0.5374 | 15.84 | 16.63 | 16.40 | 0.79 | 0.175 | 0.111 | 0.334 | 0.80 | 29587.337 | 444 | SM |
| 2612 | 486 | 14009 | 5483 | 3.44825 | 3.448252 | 0.5376 | 16.04 | 16.72 | 16.47 | 0.68 | 0.310 | 0.120 | 0.398 | 0.30 | 23740.790 | 383 | |
| 5930* | 993 | 14814 | 10253 | ... | 3.448495 | 0.5376 | 16.17 | 16.77 | 16.55 | 0.60 | 0.225 | 0.144 | 0.453 | 0.38 | 31113.506 | 395 | |
| 2713 | 573 | 15815 | 5876 | 3.45 | 3.448886 | 0.5377 | 16.09 | 16.68 | 16.43 | 0.59 | 0.195 | 0.114 | 0.413 | 0.51 | 31740.496 | 387 | |
| 2650 | 517 | 14483 | 14314 | ... | 3.451406 | 0.5380 | 15.35 | 16.47 | 15.95 | 1.12 | 0.195 | 0.087 | 0.382 | 0.10 | 29586.382 | 432 | |
| 2807 | 660 | 17973 | 16748 | ... | 3.454961 | 0.5384 | 15.24 | 16.76 | 16.20 | 1.52 | 0.190 | 0.120 | 0.370 | 0.06 | 23682.875 | 421 | |
| 12613 | 1434 | 13824 | 4314 | ... | 3.465479 | 0.5398 | 15.73 | 16.89 | 16.41 | 1.16 | 0.210 | 0.109 | 0.388 | 0.30 | 31303.647 | 474 | |
| 12193 | 1198 | 7116 | 22375 | 3.4654 | 3.465528 | 0.5398 | 15.93 | 17.03 | 16.54 | 1.10 | 0.155 | 0.088 | 0.448 | 0.12 | 31708.568 | 113 | |
| 12229 | 1228 | 20040 | 7512 | 3.4689 | 3.468876 | 0.5402 | 15.64 | 16.46 | 16.05 | 0.82 | 0.290 | 0.117 | 0.425 | 0.33 | 26452.220 | 345 | |
| 12595 | 1424 | 12390 | 1698 | 3.469 | 3.474115 | 0.5408 | 15.43 | 16.51 | 16.06 | 1.08 | 0.280 | 0.119 | 0.359 | 0.12 | 27808.317 | 344 | |
| 926 | 55 | 9488 | 5436 | ... | 3.477804 | 0.5413 | 15.44 | 16.64 | 16.15 | 1.20 | 0.240 | 0.089 | 0.359 | 0.42 | 26304.355 | 419 | Sm |
| 12619 | 1439 | 14604 | 20040 | ... | 2.480646 | 0.5417 | 15.92 | 16.65 | 16.25 | 0.73 | 0.510 | 0.225 | 0.453 | 0.00 | 32838.602 | 366 | S |
| 12723 | 1528 | 240 | 4052 | 3.490 | 3.485681 | 0.5423 | 15.78 | 16.50 | 16.23 | 0.52 | 0.210 | 0.114 | 0.394 | 0.35 | 29956.456 | 256 | Sm |
| 2410 | 311 | 9203 | 10002 | 3.4859 | 3.485901 | 0.5423 | 15.22 | 16.37 | 15.88 | 1.15 | 0.220 | 0.081 | 0.380 | 0.80 | 27456.354 | 443 | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | d _m | Max. JD 2400000+ | Obs. | Rem. |
|-------|------|-------|--------|---------------------|------------------------|--------|--------------------|--------------------|--------------------|-------------------|----------------------|---------------------|---------------------|-------------------|------------------|------|------|
| 5663 | 829 | 8158" | 10184" | 3 ^d 4876 | 3 ^d 4876.02 | 0.5425 | 16 ^m 20 | 17 ^m 04 | 16 ^m 65 | 0 ^m 84 | 0 ^p .225: | 0 ^p .106 | 0 ^p .394 | 0 ^m 80 | 28035.597 | 94 | S;P? |
| 6086 | 1090 | 21644 | 5653 | ... | 3.493301 | 0.5432 | 15.60 | 16.98 | 16.41 | 1.38 | 0.235 | 0.079 | 0.386 | 0.38 | 27807.516 | 312 | |
| 12664 | 1478 | 19320 | 3384 | ... | 3.496004 | 0.5436 | 16.43 | 16.94 | 16.68 | 0.51 | 0.245 | 0.120 | 0.365 | 0.30 | 26626.518 | 273 | S |
| 12969 | 1659 | 7949 | 19475 | ... | 3.505156 | 0.5447 | 15.10 | 16.11 | 15.71 | 1.01 | 0.210 | 0.074 | 0.375 | 0.28 | 32884.277 | 455 | |
| 13022 | 1696 | 5865 | 10924 | ... | 3.508987 | 0.5452 | 15.71 | 16.49 | 16.13 | 0.78 | 0.225 | 0.078 | 0.403 | 0.50 | 13875.807 | 485 | |
| 12235 | 1233 | 2607 | 21433 | 3.5096 | 3.509546 | 0.5452 | 15.77 | 16.80 | 16.39 | 1.03 | 0.240 | 0.097 | 0.337 | 0.19 | 29988.278 | 108 | |
| 12645 | 1462 | 18282 | 3540 | ... | 3.513892 | 0.5458 | 15.88 | 16.33 | 16.12 | 0.45 | 0.455: | 0.174 | 0.496 | 0.30 | 27800.507 | 383 | |
| 12552 | 1389 | 6936 | 3624 | ... | 3.515841 | 0.5460 | 15.81 | 16.97 | 16.49 | 1.16 | 0.195: | 0.093 | 0.326 | 0.37 | 29584.400 | 195 | S! |
| 2417 | 317 | 9304 | 3975 | ... | 3.517437 | 0.5462 | 15.44 | 17.09 | 16.43 | 1.65 | 0.180 | 0.083 | 0.386 | 0.39 | 29956.396 | 396 | |
| 12198 | 1203 | 7409 | 22930 | 3.5230 | 3.522726 | 0.5469 | 15.72 | 16.67 | 16.24 | 0.95 | 0.195 | 0.115 | 0.425 | 0.12 | 13876.814 | 110 | |
| 12711 | 1518 | -3250 | 14617 | ... | 3.523000 | 0.5469 | 15.52 | 16.49 | 16.10 | 0.97 | 0.215 | 0.098 | 0.346 | 0.00 | 25179.516 | 292 | |
| 12855 | 1633 | 22912 | 24085 | ... | 3.531141 | 0.5479 | 15.18 | 16.74 | 16.12 | 1.56 | 0.260 | 0.117 | 0.414 | 0.00 | 25592.391 | 161 | |
| 12730 | 1534 | -900 | 20458 | ... | 3.532103 | 0.5480 | 15.63 | 16.70 | 16.27 | 1.07 | 0.190 | 0.109 | 0.391 | 0.24 | 27750.477 | 284 | |
| 12628 | 1446 | 16200 | 4488 | ... | 3.539059 | 0.5489 | 16.21 | 16.71 | 16.51 | 0.50 | 0.200: | 0.120 | 0.366 | 0.80 | 24501.614 | 315 | |
| 12043 | 1160 | 12636 | 7272 | ... | 3.545471 | 0.5497 | 15.64 | 16.59 | 16.23 | 0.95 | 0.395: | 0.111: | 0.339: | 0.80 | 27799.286 | 260 | S;cc |
| 2736 | 595 | 16315 | 4946 | 3.548223 | 3.548223 | 0.5500 | 15.60 | 16.23 | 16.00 | 0.62 | 0.145 | 0.056 | 0.360 | 0.80 | 32838.602 | 376 | |
| 2762 | 619 | 16834 | 5375 | 3.55129 | 3.550687 | 0.5503 | 15.63 | 16.36 | 16.02 | 0.73 | 0.335 | 0.151 | 0.402 | 0.80 | 30639.590 | 389 | S |
| 12846 | 1626 | 20194 | 22754 | ... | 3.551802 | 0.5504 | 15.44 | 16.10 | 15.80 | 0.66 | 0.140 | 0.074 | 0.349 | 0.00 | 25560.486 | 141 | S;P? |
| 975 | 104 | 13267 | 7812 | 3.4476 | 3.557605 | 0.5512 | 15.17 | 16.34 | 15.87 | 1.17 | 0.305 | 0.081 | 0.345 | 0.44 | 31873.316 | 358 | S;cr |
| 13010 | 1684 | 390 | 19046 | ... | 3.564979 | 0.5521 | 16.01 | 16.92 | 16.48 | 0.91 | 0.240 | 0.126 | 0.404 | 0.24 | 29229.319 | 279 | S;P? |
| 12698 | 1509 | 22980 | 15690 | ... | 3.566880 | 0.5523 | 15.09 | 16.58 | 15.92 | 1.49 | 0.280 | 0.081 | 0.292 | 0.30 | 27413.340 | 204 | |
| 945 | 74 | 11395 | 6846 | 3.5675 | 3.567324 | 0.5523 | 15.65 | 16.96 | 16.37 | 1.31 | 0.195 | 0.104 | 0.401 | 0.45 | 27456.533 | 423 | |
| 12508 | 1351 | 3468 | 5442 | ... | 3.568269 | 0.5525 | 16.08 | 16.87 | 16.46 | 0.79 | 0.205: | 0.075 | 0.308 | 0.31 | 29222.409 | 253 | |
| 2817 | 670 | 18278 | 17118 | 3.5744 | 3.574537 | 0.5532 | 15.32 | 16.53 | 16.12 | 1.21 | 0.155 | 0.086 | 0.353 | 0.17 | 27426.448 | 394 | |
| 980 | 108 | 13695 | 15482 | 3.5822 | 3.582142 | 0.5542 | 15.55 | 16.79 | 16.23 | 1.24 | 0.240 | 0.091 | 0.358 | 0.13 | 27749.409 | 429 | |
| 12336 | 1266 | 16776 | 5160 | 3.58366 | 3.583776 | 0.5543 | 16.00 | 16.87 | 16.52 | 0.87 | 0.240 | 0.093 | 0.336 | 0.80 | 32067.621 | 336 | |
| 2494 | 386 | 11832 | 4779 | ... | 3.548084 | 0.5544 | 15.44 | 16.61 | 16.16 | 1.17 | 0.185 | 0.092 | 0.387 | 0.30 | 30375.358 | 406 | |
| 12580 | 1413 | 10920 | 4692 | ... | 3.584134 | 0.5544 | 15.76 | 17.05 | 16.60 | 1.29 | 0.170 | 0.096 | 0.406 | 0.30 | 28405.640 | 484 | |
| 5624 | 808 | 7034 | 7574 | ... | 3.585728 | 0.5546 | 16.08 | 17.02 | 16.66 | 0.94 | 0.210 | 0.143 | 0.374 | 0.30 | 30619.617 | 409 | |
| 11983 | 1118 | 6942 | 9066 | 3.58694 | 3.586787 | 0.5547 | 15.91 | 16.50 | 16.23 | 0.59 | 0.320 | 0.142 | 0.394 | 0.80 | 29577.384 | 402 | |
| 12642 | 1459 | 18000 | 3888 | ... | 3.588040 | 0.5549 | 16.12 | 17.28 | 16.80 | 1.16 | 0.190 | 0.100 | 0.430 | 0.30 | 27456.387 | 351 | |
| 12447 | 1308 | 372 | 6450 | ... | 3.590213 | 0.5551 | 15.92 | 17.16 | 16.63 | 1.24 | 0.205 | 0.105 | 0.342 | 0.40 | 31344.583 | 215 | |
| 2715 | 575 | 15906 | 6812 | 3.592 | 3.591791 | 0.5553 | 15.63 | 16.82 | 16.25 | 1.19 | 0.205 | 0.088 | 0.408 | 0.80 | 31321.627 | 328 | |
| 12747 | 1546 | 4650 | 20719 | ... | 3.599172 | 0.5562 | 16.05 | 16.80 | 16.50 | 0.75 | 0.255 | 0.043 | 0.305 | 0.21 | 30665.492 | 109 | |
| 12627 | 1445 | 15744 | 2508 | ... | 3.605028 | 0.5569 | 16.09 | 16.85 | 16.56 | 0.76 | 0.250 | 0.091 | 0.357 | 0.30 | 27808.317 | 369 | |
| 2498 | 388 | 11987 | 5982 | 3.605877 | 3.605740 | 0.5570 | 15.17 | 16.45 | 15.89 | 1.28 | 0.230 | 0.111 | 0.345 | 0.50 | 26689.546 | 411 | |
| 2472 | 365 | 11176 | 11524 | 3.606651 | 3.606651 | 0.5571 | 15.96 | 16.51 | 16.25 | 0.55 | 0.250 | 0.081 | 0.426 | 0.47 | 23667.868 | 371 | |
| 12696 | 1507 | 22650 | 6882 | ... | 3.608886 | 0.5574 | 16.34 | 17.00 | 16.52 | 0.66 | 0.250 | 0.120 | 0.400 | 0.26 | 27801.321 | 250 | |
| 2704 | 564 | 15619 | 7210 | 3.6185 | 3.618529 | 0.5585 | 16.05 | 16.84 | 16.49 | 0.79 | 0.230 | 0.108 | 0.398 | 0.52 | 24802.831 | 433 | |
| 2697 | 557 | 15467 | 11055 | 3.61885 | 3.618799 | 0.5586 | 15.45 | 16.58 | 16.21 | 1.13 | 0.180 | 0.119 | 0.366 | 0.38 | 27755.452 | 425 | |
| 2355 | 258 | 7505 | 14436 | ... | 3.622506 | 0.5591 | 15.58 | 16.54 | 16.05 | 0.96 | 0.190 | 0.089 | 0.399 | 0.42 | 31295.644 | 327 | |
| 2375 | 278 | 8279 | 18667 | ... | 3.635811 | 0.5606 | 15.74 | 16.86 | 16.46 | 1.12 | 0.175 | 0.098 | 0.423 | 0.19 | 31055.568 | 405 | |
| 6092 | 1094 | 22423 | 16312 | ... | 3.636864 | 0.5607 | 15.39 | 16.78 | 16.22 | 1.39 | 0.210 | 0.060 | 0.320 | 0.24 | 26341.332 | 300 | |
| 2824 | 675 | 18525 | 11559 | 3.6401 | 3.640081 | 0.5611 | 15.67 | 16.93 | 16.42 | 1.26 | 0.115 | 0.062 | 0.339 | 0.35 | 27746.482 | 371 | |
| 2683 | 545 | 15172 | 2241 | ... | 3.641855 | 0.5613 | 16.19 | 16.78 | 16.45 | 0.59 | 0.350 | 0.200 | 0.491 | 0.30 | 27670.646 | 433 | S;P? |
| 5983 | 1028 | 16605 | 5228 | 3.64372 | 3.643925 | 0.5616 | 15.58 | 16.63 | 16.22 | 1.05 | 0.250: | 0.098 | 0.332 | 0.80 | 29938.541 | 226 | S |
| 6060 | 1072 | 19772 | 10178 | 3.64559 | 3.645426 | 0.5617 | 15.98 | 16.59 | 16.22 | 0.61 | 0.150 | 0.091 | 0.372 | 0.50 | 26444.225 | 317 | |
| 5741 | 891 | 10120 | 9160 | 3.642297 | 3.646674 | 0.5619 | 15.97 | 16.61 | 15.99 | 0.64 | 0.240 | 0.119 | 0.456 | 0.80 | 28035.597 | 456 | SM |
| 6064 | 1076 | 20104 | 15944 | ... | 3.647702 | 0.5620 | 14.87 | 16.70 | 16.03 | 1.83 | 0.275: | 0.092 | 0.297 | 0.30 | 24408.850 | 357 | |
| 2851 | 701 | 19635 | 5280 | ... | 3.647867 | 0.5620 | 15.71 | 16.91 | 16.37 | 1.20 | 0.250 | 0.105 | 0.364 | 0.30 | 24418.800 | 401 | |
| 12241 | 1239 | 3908 | 21260 | 3.6497 | 3.649496 | 0.5622 | 15.69 | 16.65 | 16.23 | 0.96 | 0.200 | 0.086 | 0.376 | 0.50 | 31670.593 | 100 | |
| 12217 | 1217 | 792 | 19722 | 3.6503 | 3.650301 | 0.5623 | 15.73 | 16.77 | 16.36 | 1.04 | 0.235 | 0.075 | 0.358 | 0.24 | 27474.272 | 276 | SM |
| 12558 | 1394 | 7068 | 20160 | ... | 3.650586 | 0.5624 | 15.25 | 16.45 | 15.90 | 1.20 | 0.290 | 0.108 | 0.348 | 0.19 | 29134.598 | 103 | |
| 2792 | 648 | 17406 | 7182 | 3.6508 | 3.650861 | 0.5624 | 15.86 | 16.99 | 16.47 | 1.13 | 0.230 | 0.102 | 0.369 | 0.30 | 26453.220 | 403 | |
| 6022 | 1053 | 17920 | 16981 | ... | 3.651906 | 0.5625 | 15.42 | 15.85 | 15.61 | 0.43 | 0.440 | 0.265 | 0.532 | 0.30 | 26571.611 | 430 | |
| 11992 | 1125 | 7747 | 10841 | 3.65247 | 3.652474 | 0.5626 | 15.81 | 16.82 | 16.29 | 1.01 | 0.200 | 0.092 | 0.412 | 0.80 | 27449.434 | 468 | |
| 12417 | 1284 | 3216 | 1848 | 3.65588 | 3.656039 | 0.5630 | 16.20 | 17.06 | 16.66 | 0.86 | 0.205 | 0.057 | 0.344 | 0.31 | 28104.540 | 270 | |
| 2698 | 558 | 15506 | 6816 | 3.6607 | 3.660697 | 0.5636 | 15.55 | 16.73 | 16.25 | 1.18 | 0.165 | 0.103 | 0.397 | 0.80 | 32888.426 | 414 | |
| 2478 | 371 | 11440 | 7634 | 3.6613 | 3.661220 | 0.5636 | 15.90 | 17.11 | 16.71 | 1.21 | 0.210 | 0.070 | 0.280 | 0.80 | 13946.555 | 393 | |
| 11987 | 1122 | 7068 | 14112 | 3.7840 | 3.665271 | 0.5641 | 15.58 | 16.17 | 15.89 | 0.59 | 0.470 | 0.180 | 0.429 | 0.42 | 27426.555 | 334 | |
| 12787 | 1579 | 10572 | 20868 | ... | 3.676011 | 0.5654 | 15.49 | 16.88 | 16.23 | 1.39 | 0.135 | 0.042 | 0.384 | 0.06 | 25189.578 | 71 | |
| 2673 | 537 | 14903 | 1251 | ... | 3.677589 | 0.5656 | 15.23 | 16.33 | 15.93 | 1.10 | 0.235 | 0.095 | 0.345 | 0.12 | 27801.321 | 160 | |
| 2833 | 683 | 18845 | 17661 | ... | 3.679704 | 0.5658 | 15.40 | 16.64 | 16.10 | 1.24 | 0.250 | 0.121 | 0.377 | 0.17 | 27750.400 | 303 | |
| 2553 | 437 | 12974 | 18173 | ... | 3.682087 | 0.5661 | 15.66 | 16.50 | 16.12 | 0.84 | 0.210 | 0.075 | 0.325 | 0.03 | 26960.603 | 325 | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M_0 | m_0 | $(m)_0$ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. |
|-------|------|-------|--------|----------------------|-----------------------|--------|--------------------|--------------------|--------------------|-------------------|-------|-------|-------|------|------------------|------|-------|
| 5531 | 758 | 4103" | 19660" | ... | 3 ^d 685151 | 0.5664 | 15 ^m 63 | 16 ^m 77 | 16 ^m 35 | 1 ^m 14 | 0.205 | 0.101 | 0.393 | 0.27 | 32030.655 | 100 | |
| 2290 | 198 | 5126 | 3098 | 3 ^d 69615 | 3.696502 | 0.5678 | 15.36 | 16.69 | 16.03 | 1.33 | 0.185 | 0.103 | 0.358 | 0.33 | 28523.279 | 253 | |
| 12226 | 1235 | 3723 | 19272 | 3.7051 | 3.705809 | 0.5689 | 16.08 | 16.85 | 16.55 | 0.77 | 0.345 | 0.187 | 0.472 | 0.24 | 31698.521 | 104 | |
| 5884 | 969 | 13764 | 10785 | ... | 3.706839 | 0.5690 | 15.09 | 16.36 | 15.86 | 1.27 | 0.140 | 0.086 | 0.372 | 0.46 | 24757.436 | 429 | |
| 12052 | 1168 | 12954 | 6846 | 3.709 | 3.708652 | 0.5692 | 15.48 | 16.12 | 15.83 | 0.64 | 0.260 | 0.123 | 0.390 | 0.80 | 23667.868 | 429 | |
| 5589 | 787 | 6112 | 10001 | 3.7111 | 3.711277 | 0.5695 | 15.81 | 16.58 | 16.32 | 0.77 | 0.200 | 0.090 | 0.376 | 0.49 | 27746.482 | 407 | |
| 12740 | 1540 | 3828 | -639 | ... | 3.712356 | 0.5697 | 15.78 | 16.76 | 16.38 | 0.98 | 0.165 | 0.083 | 0.318 | 0.00 | 27718.396 | 317 | |
| 2638 | 507 | 14340 | 7945 | ... | 3.712658 | 0.5697 | 15.81 | 16.64 | 16.33 | 0.77 | 0.230 | 0.100 | 0.387 | 0.52 | 31299.629 | 430 | |
| 5752 | 897 | 10240 | 8196 | 3.72403 | 3.724251 | 0.5710 | 16.21 | 16.93 | 16.63 | 0.72 | 0.220 | 0.094 | 0.279 | 0.48 | 28761.607 | 273 | |
| 5656 | 825 | 8006 | 17680 | ... | 3.726874 | 0.5713 | 16.12 | 16.89 | 16.59 | 0.77 | 0.200 | 0.109 | 0.362 | 0.39 | 26710.335 | 218 | |
| 2810 | 663 | 18043 | 14302 | ... | 3.733372 | 0.5721 | 14.97 | 16.65 | 16.05 | 1.68 | 0.150 | 0.072 | 0.423 | 0.25 | 26330.340 | 436 | |
| 12237 | 1235 | 3291 | 20123 | 3.7347 | 3.734866 | 0.5723 | 15.32 | 16.60 | 16.11 | 1.28 | 0.200 | 0.075 | 0.354 | 0.19 | 29113.623 | 105 | |
| 12483 | 1332 | 1482 | 13578 | ... | 3.735082 | 0.5723 | 15.53 | 16.49 | 16.17 | 0.97 | 0.255 | 0.085 | 0.341 | 0.24 | 26330.340 | 357 | Sm |
| 2718 | 578 | 15966 | 5865 | 3.7376 | 3.737122 | 0.5725 | 15.85 | 16.80 | 16.39 | 0.95 | 0.240 | 0.096 | 0.416 | 0.51 | 26635.562 | 390 | |
| 5971 | 1019 | 15994 | 18612 | 3.7446 | 3.744285 | 0.5734 | 15.48 | 16.52 | 16.05 | 1.04 | 0.230 | 0.091 | 0.396 | 0.00 | 24501.614 | 392 | |
| 2327 | 233 | 6241 | 11185 | 3.74487 | 3.744725 | 0.5734 | 16.04 | 16.60 | 16.34 | 0.56 | 0.200 | 0.107 | 0.367 | 0.80 | 29994.334 | 477 | S;cc |
| 13013 | 1687 | 3791 | 7688 | ... | 3.749819 | 0.5740 | 15.94 | 16.45 | 16.20 | 0.51 | 0.315 | 0.125 | 0.430 | 0.38 | 28762.619 | 363 | |
| 12517 | 1358 | 4008 | 9936 | ... | 3.750190 | 0.5741 | 15.57 | 16.52 | 16.09 | 0.95 | 0.195 | 0.089 | 0.362 | 0.30 | 27807.476 | 351 | |
| 995 | 122 | 14275 | 6936 | 3.76848 | 3.768733 | 0.5762 | 15.14 | 16.15 | 15.71 | 1.01 | 0.100 | 0.107 | 0.397 | 0.80 | 29869.637 | 447 | Sm;cr |
| 2587 | 466 | 13546 | 19254 | ... | 3.772734 | 0.5767 | 15.41 | 16.18 | 15.79 | 0.77 | 0.221 | 0.110 | 0.422 | 0.03 | 32941.385 | 392 | |
| 12770 | 1565 | 7470 | 21229 | ... | 3.772776 | 0.5767 | 15.90 | 17.05 | 16.45 | 1.15 | 0.220 | 0.103 | 0.493 | 0.19 | 29994.288 | 106 | |
| 2643 | 511 | 14383 | 6613 | 3.77584 | 3.775624 | 0.5770 | 15.36 | 16.55 | 16.04 | 1.19 | 0.230 | 0.111 | 0.454 | 0.80 | 29526.595 | 449 | S;cr |
| 2751 | 610 | 16665 | 5041 | 3.77768 | 3.777030 | 0.5771 | 15.90 | 16.74 | 16.37 | 0.84 | 0.280 | 0.099 | 0.332 | 0.80 | 26421.249 | 311 | |
| 2508 | 398 | 12109 | 7585 | 3.77957 | 3.779315 | 0.5774 | 15.20 | 15.98 | 15.63 | 0.78 | 0.300 | 0.139 | 0.406 | 0.80 | 31657.649 | 430 | |
| 12666 | 1480 | 19452 | 2490 | ... | 3.780590 | 0.5776 | 15.44 | 16.57 | 16.02 | 1.13 | 0.240 | 0.086 | 0.358 | 0.30 | 23682.875 | 269 | |
| 2287 | 195 | 5074 | 14775 | ... | 3.783679 | 0.5779 | 15.59 | 16.59 | 16.22 | 1.00 | 0.195 | 0.104 | 0.370 | 0.37 | 27449.273 | 521 | S |
| 13030 | 1704 | 10134 | 9135 | ... | 3.787899 | 0.5784 | 16.26 | 17.07 | 16.64 | 0.81 | 0.245 | 0.144 | 0.426 | 0.80 | 32940.363 | 442 | Sm |
| 5946 | 1005 | 15352 | 3024 | ... | 3.788700 | 0.5785 | 15.68 | 16.65 | 16.21 | 0.97 | 0.265 | 0.080 | 0.455 | 0.44 | 26960.603 | 446 | S;cc |
| 12008 | 1137 | 9960 | 7800 | 3.7908 | 3.790506 | 0.5787 | 16.24 | 16.74 | 16.49 | 0.50 | 0.270 | 0.143 | 0.425 | 0.47 | 30749.276 | 428 | S |
| 2757 | 616 | 16738 | 4705 | 3.79769 | 3.797573 | 0.5795 | 14.93 | 16.42 | 15.87 | 1.49 | 0.165 | 0.089 | 0.400 | 0.80 | 31321.627 | 345 | |
| 2404 | 305 | 9124 | 3687 | ... | 3.800924 | 0.5799 | 15.29 | 17.00 | 16.19 | 1.71 | 0.225 | 0.093 | 0.383 | 0.39 | 31743.545 | 387 | |
| 2623 | 495 | 14125 | 16463 | 3.80321 | 3.804205 | 0.5803 | 15.81 | 17.10 | 16.55 | 1.29 | 0.300 | 0.111 | 0.406 | 0.00 | 27801.283 | 428 | |
| 12858 | 1635 | 23330 | 23155 | ... | 3.809945 | 0.5809 | 16.30 | 17.10 | 16.83 | 0.80 | 0.320 | 0.147 | 0.372 | 0.00 | 29222.562 | 157 | |
| 2317 | 224 | 6010 | 13087 | ... | 3.815364 | 0.5815 | 15.71 | 16.59 | 16.22 | 0.78 | 0.285 | 0.144 | 0.410 | 0.47 | 30641.384 | 405 | |
| 12556 | 1393 | 7056 | 20076 | ... | 3.816965 | 0.5817 | 16.00 | 16.72 | 16.40 | 0.72 | 0.230 | 0.134 | 0.491 | 0.19 | 27653.628 | 103 | |
| 12874 | 1645 | 26167 | 1338 | ... | 3.817561 | 0.5818 | 15.42 | 16.34 | 16.02 | 0.92 | 0.260 | 0.106 | 0.361 | 0.00 | 29722.224 | 165 | S;P? |
| 12412 | 1279 | 2400 | 5238 | 3.81965 | 3.819406 | 0.5820 | 15.85 | 16.84 | 16.33 | 0.99 | 0.160 | 0.063 | 0.317 | 0.31 | 30352.282 | 148 | |
| W 43 | 1745 | 4071 | 17898 | 3.826 | 3.826896 | 0.5828 | 15.15 | 16.39 | 15.65 | 1.24 | 0.320 | 0.069 | 0.349 | 0.32 | 29553.600 | 400 | |
| 2390 | 291 | 8685 | 6577 | ... | 3.829349 | 0.5831 | 14.78 | 16.39 | 15.83 | 1.61 | 0.190 | 0.103 | 0.379 | 0.47 | 16823.638 | 429 | |
| W 42 | 1744 | 3923 | 17804 | 3.833 | 3.832738 | 0.5835 | 15.17 | 16.40 | 15.89 | 1.23 | 0.300 | 0.106 | 0.416 | 0.27 | 29933.563 | 218 | |
| 13027 | 1701 | 8629 | 10382 | ... | 3.836583 | 0.5839 | 15.76 | 16.71 | 16.35 | 0.95 | 0.220 | 0.101 | 0.311 | 0.80 | 25915.512 | 348 | S |
| 12679 | 1492 | 20940 | 17640 | ... | 3.861205 | 0.5867 | 15.73 | 16.63 | 16.18 | 0.90 | 0.205 | 0.108 | 0.370 | 0.24 | 29228.404 | 294 | Sm |
| 12701 | 1512 | 23304 | 15618 | ... | 3.882546 | 0.5891 | 15.77 | 16.82 | 16.12 | 1.05 | 0.265 | 0.075 | 0.339 | 0.30 | 25850.638 | 211 | |
| 2699 | 559 | 15514 | 6374 | 3.88236 | 3.882556 | 0.5891 | 15.48 | 16.78 | 16.26 | 1.30 | 0.185 | 0.093 | 0.365 | 0.52 | 30977.564 | 387 | |
| 5981 | 1026 | 16574 | 4488 | ... | 3.884144 | 0.5893 | 16.14 | 16.75 | 16.47 | 0.61 | 0.190 | 0.085 | 0.364 | 0.80 | 23681.879 | 363 | |
| 12618 | 1438 | 14598 | 756 | ... | 3.885173 | 0.5894 | 15.05 | 15.59 | 15.36 | 0.54 | 0.240 | 0.119 | 0.392 | 0.12 | 32207.379 | 138 | |
| 5803 | 925 | 11744 | 8960 | 3.8983 | 3.898543 | 0.5909 | 15.71 | 16.36 | 16.07 | 0.65 | 0.240 | 0.080 | 0.470 | 0.48 | 26713.474 | 500 | |
| 2474 | 367 | 11298 | 6315 | ... | 3.902126 | 0.5913 | 15.62 | 16.73 | 16.24 | 1.11 | 0.260 | 0.121 | 0.390 | 0.45 | 27799.378 | 403 | |
| 2795* | 651 | 17675 | 10752 | 3.913320 | 3.913390 | 0.5925 | 15.43 | 16.85 | 16.18 | 1.42 | 0.280 | 0.076 | 0.373 | 0.30 | 28861.408 | 414 | |
| W 11 | 1730 | 4453 | 20615 | 3.916 | 3.916244 | 0.5929 | 15.36 | 16.25 | 15.83 | 0.89 | 0.225 | 0.124 | 0.427 | 0.21 | 30057.264 | 105 | |
| 12416 | 1283 | 3198 | 2478 | 3.92790 | 3.927593 | 0.5941 | 15.42 | 16.60 | 16.10 | 1.18 | 0.190 | 0.077 | 0.369 | 0.33 | 26689.391 | 253 | S;P? |
| 2867 | 717 | 20944 | 16586 | ... | 3.929869 | 0.5944 | 15.71 | 16.96 | 16.47 | 1.25 | 0.240 | 0.105 | 0.350 | 0.24 | 31712.572 | 336 | |
| 2541 | 426 | 12750 | 5394 | ... | 3.931435 | 0.5945 | 15.18 | 16.39 | 15.84 | 1.21 | 0.240 | 0.109 | 0.396 | 0.30 | 29994.482 | 413 | S;cr |
| 2812 | 665 | 18105 | 4173 | ... | 3.934480 | 0.5949 | 15.79 | 16.98 | 16.29 | 1.19 | 0.210 | 0.110 | 0.394 | 0.30 | 26055.296 | 366 | |
| 6101 | 1100 | 8216 | 21030 | ... | 3.935203 | 0.5950 | 14.60 | 16.66 | 15.87 | 2.06 | 0.170 | 0.092 | 0.377 | 0.18 | 31330.638 | 105 | |
| 12429 | 1296 | 5028 | 3678 | 3.93823 | 3.938441 | 0.5953 | 16.18 | 16.97 | 16.59 | 0.79 | 0.180 | 0.110 | 0.378 | 0.33 | 32060.575 | 246 | |
| 12325 | 1255 | 9126 | 12012 | 3.94036 | 3.940359 | 0.5955 | 16.06 | 16.86 | 16.51 | 0.80 | 0.240 | 0.080 | 0.350 | 0.30 | 25952.512 | 437 | |
| 2672 | 536 | 14880 | 7614 | 3.9414 | 3.941253 | 0.5956 | 14.75 | 15.79 | 15.32 | 1.04 | 0.215 | 0.099 | 0.403 | 0.52 | 16823.638 | 414 | |
| 5765 | 906 | 10696 | 6176 | 3.95 | 3.947296 | 0.5963 | 16.06 | 16.84 | 16.52 | 0.78 | 0.260 | 0.130 | 0.460 | 0.45 | 32940.457 | 413 | |
| 12756 | 1553 | 5437 | 22648 | ... | 3.952154 | 0.5968 | 15.98 | 16.89 | 16.51 | 0.91 | 0.245 | 0.104 | 0.419 | 0.00 | 27422.391 | 264 | |
| 2767 | 624 | 16912 | 5303 | 3.95293 | 3.953061 | 0.5969 | 15.68 | 16.67 | 16.17 | 0.99 | 0.200 | 0.105 | 0.357 | 0.80 | 29904.563 | 347 | S |
| 2636 | 505 | 14314 | 15206 | 3.95304 | 3.953110 | 0.5969 | 15.54 | 16.32 | 15.97 | 0.78 | 0.170 | 0.085 | 0.345 | 0.10 | 26274.482 | 420 | |
| 2503 | 393 | 12034 | 7605 | 3.95372 | 3.953739 | 0.5970 | 14.52 | 15.72 | 15.26 | 1.20 | 0.225 | 0.089 | 0.414 | 0.80 | 25915.512 | 433 | |
| 2876 | 725 | 21417 | 16254 | ... | 3.959115 | 0.5976 | 15.21 | 16.87 | 16.18 | 1.46 | 0.250 | 0.087 | 0.436 | 0.24 | 14638.713 | 315 | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. |
|-------|------|-------|--------|------------------------|------------------------|--------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|------------------|------|----------|
| 5591 | 789 | 6120" | 17656" | ... | 3. ^d 968075 | 0.5986 | 16. ^m 16 | 17. ^m 12 | 16. ^m 58 | 0. ^m 96 | 0. ^p 260 | 0. ^p 123 | 0. ^p 403 | 0. ^m 50 | 28846.402 | 218 | |
| 2841 | 691 | 19097 | 18514 | ... | 3.968649 | 0.5986 | 16.05 | 17.07 | 16.71 | 1.02 | 0.220 | 0.110 | 0.374 | 0.05 | 13894.749 | 335 | |
| 12066 | 1177 | 20232 | 7824 | 3. ^d 972241 | 3.972190 | 0.5990 | 15.62 | 16.53 | 16.17 | 0.91 | 0.240 | 0.094 | 0.392 | 0.33 | 29228.404 | 404 | |
| 6081 | 1087 | 21686 | 9259 | 3.93315 | 3.976001 | 0.5994 | 15.87 | 16.75 | 16.35 | 0.88 | 0.300 | 0.083 | 0.367 | 0.28 | 27807.365 | 398 | |
| 2840 | 690 | 19093 | 19585 | ... | 3.983207 | 0.6002 | 15.70 | 17.00 | 16.44 | 1.30 | 0.210 | 0.126 | 0.335 | 0.05 | 29229.367 | 176 | |
| 2516 | 405 | 12285 | 8442 | 3.9861 | 3.986140 | 0.6005 | 15.64 | 16.58 | 16.17 | 0.94 | 0.210 | 0.116 | 0.352 | 0.47 | 26455.214 | 418 | |
| 11996 | 1127 | 8100 | 9276 | 3.99597 | 3.995780 | 0.6016 | 15.32 | 16.43 | 15.98 | 1.11 | 1.170 | 0.088 | 0.411 | 0.51 | 13877.808 | 407 | |
| 2696 | 556 | 15466 | 5994 | 4.005 | 4.004879 | 0.6026 | 15.52 | 16.54 | 16.14 | 1.02 | 0.220 | 0.097 | 0.406 | 0.51 | 29586.418 | 368 | |
| 2582 | 461 | 13459 | 10233 | ... | 4.008901 | 0.6030 | 14.79 | 16.35 | 15.73 | 1.56 | 0.260 | 0.060 | 0.340 | 0.46 | 29204.484 | 254 | |
| 5617 | 804 | 6782 | 18756 | ... | 4.012238 | 0.6034 | 15.39 | 16.67 | 16.11 | 1.28 | 0.420 | 0.171 | 0.378 | 0.28 | 23667.868 | 127 | |
| 12630 | 1448 | 16374 | 3798 | ... | 4.014216 | 0.6036 | 14.93 | 16.21 | 15.82 | 1.34 | 0.170 | 0.080 | 0.350 | 0.52 | 17563.728 | 394 | |
| 5915 | 983 | 14514 | 6336 | 4.01587 | 4.015871 | 0.6038 | 15.47 | 16.58 | 16.06 | 1.11 | 0.265 | 0.112 | 0.437 | 0.52 | 23667.868 | 322 | |
| 2786 | 642 | 17323 | 18586 | 4.01826 | 4.018917 | 0.6041 | 15.08 | 15.78 | 15.44 | 0.70 | 0.185 | 0.103 | 0.404 | 0.00 | 27422.272 | 388 | |
| 12834 | 1615 | 16999 | 25287 | ... | 4.029752 | 0.6053 | 15.41 | 16.56 | 16.09 | 1.15 | 0.130 | 0.060 | 0.430 | 0.00 | 25210.570 | 222 | Sm |
| 12712 | 1519 | -2916 | 14768 | ... | 4.035578 | 0.6059 | 15.59 | 16.63 | 16.13 | 1.04 | 0.305 | 0.126 | 0.390 | 0.00 | 31688.643 | 286 | S |
| 961 | 90 | 12547 | 7235 | 4.12478 | 4.043683 | 0.6068 | 15.11 | 15.88 | 15.49 | 0.77 | 0.270 | 0.088 | 0.360 | 0.80 | 27800.507 | 364 | S;cr |
| 2581* | 460 | 13453 | 7026 | ... | 4.044015 | 0.6068 | 15.16 | 15.56 | 15.35 | 0.40 | 0.480 | 0.218 | 0.463 | 0.80 | 31066.565 | 459 | S;P? |
| 2413 | 314 | 9253 | 10728 | 4.04529 | 4.045015 | 0.6069 | 15.34 | 16.49 | 16.01 | 1.15 | 0.255 | 0.078 | 0.334 | 0.51 | 27426.329 | 451 | Sm |
| 5821 | 935 | 12068 | 4424 | ... | 4.047233 | 0.6072 | 16.19 | 16.80 | 16.55 | 0.61 | 0.210 | 0.086 | 0.386 | 0.30 | 27691.588 | 397 | |
| 12844 | 1624 | 19512 | 23330 | ... | 4.053920 | 0.6079 | 15.67 | 16.94 | 16.30 | 1.27 | 0.340 | 0.138 | 0.465 | 0.00 | 25563.546 | 155 | |
| 13047 | 1721 | 20007 | 17474 | ... | 4.057331 | 0.6082 | 15.05 | 15.75 | 15.41 | 0.70 | 0.315 | 0.104 | 0.427 | 0.24 | 27800.320 | 380 | S |
| 5980 | 1025 | 17055 | 5536 | 4.06070 | 4.060822 | 0.6086 | 14.89 | 16.15 | 15.59 | 1.26 | 0.210 | 0.061 | 0.364 | 0.80 | 28066.622 | 361 | |
| 2485 | 377 | 11579 | 6706 | 4.0645 | 4.064262 | 0.6090 | 16.03 | 16.43 | 16.21 | 0.40 | 0.370 | 0.214 | 0.458 | 0.45 | 23682.875 | 434 | |
| 2775 | 631 | 17152 | 4969 | 4.064264 | 4.064264 | 0.6090 | 15.14 | 16.50 | 15.82 | 1.36 | 0.190 | 0.078 | 0.360 | 0.80 | 26421.249 | 323 | |
| 2637 | 506 | 14326 | 15384 | 4.06812 | 4.068334 | 0.6094 | 15.45 | 16.35 | 15.96 | 0.90 | 0.260 | 0.095 | 0.419 | 0.10 | 27670.613 | 429 | |
| 12065 | 1176 | 19530 | 11064 | 4.071628 | 4.071628 | 0.6098 | 15.38 | 16.46 | 15.98 | 1.08 | 0.260 | 0.109 | 0.399 | 0.50 | 29228.404 | 324 | |
| 2506 | 396 | 12048 | 7694 | 4.07171 | 4.071783 | 0.6098 | 14.59 | 15.65 | 15.32 | 1.06 | 0.170 | 0.078 | 0.338 | 0.80 | 30639.590 | 421 | |
| 918 | 47 | 8962 | 9794 | 4.0748 | 4.074697 | 0.6101 | 14.63 | 15.91 | 15.49 | 1.28 | 0.205 | 0.126 | 0.371 | 0.80 | 31297.632 | 458 | |
| 2518 | 407 | 12315 | 5894 | 4.28070 | 4.076971 | 0.6103 | 15.51 | 16.31 | 15.99 | 0.80 | 0.250 | 0.125 | 0.450 | 0.50 | 16814.656 | 408 | S;cr |
| 12579 | 1412 | 10752 | 3480 | ... | 4.079517 | 0.6106 | 15.49 | 16.43 | 16.07 | 0.94 | 0.200 | 0.119 | 0.475 | 0.29 | 29703.248 | 437 | |
| 2524 | 413 | 12423 | 19235 | ... | 4.087899 | 0.6115 | 15.62 | 16.80 | 16.35 | 1.18 | 0.245 | 0.081 | 0.361 | 0.03 | 26689.391 | 430 | |
| 2703 | 563 | 15606 | 4746 | 4.088 | 4.088234 | 0.6115 | 15.18 | 16.38 | 15.87 | 1.20 | 0.230 | 0.095 | 0.420 | 0.51 | 31734.601 | 404 | |
| 5783 | 918 | 11244 | 19976 | ... | 4.090097 | 0.6117 | 15.59 | 16.55 | 16.13 | 0.96 | 0.250 | 0.144 | 0.410 | 0.47 | 31314.617 | 369 | S;cc |
| 12587 | 1419 | 11676 | 19368 | ... | 4.095943 | 0.6123 | 15.60 | 16.44 | 16.05 | 0.83 | 0.295 | 0.136 | 0.462 | 0.10 | 16816.768 | 377 | |
| 2666 | 531 | 14727 | 10554 | ... | 4.097086 | 0.6125 | 15.26 | 15.82 | 15.52 | 0.56 | 0.370 | 0.190 | 0.490 | 0.50 | 27808.317 | 413 | S |
| 12749 | 1548 | 4767 | 20795 | ... | 4.103260 | 0.6131 | 15.09 | 15.83 | 15.45 | 0.74 | 0.385 | 0.135 | 0.411 | 0.21 | 13922.694 | 108 | |
| 12333 | 1263 | 16679 | 5093 | 4.10366 | 4.103608 | 0.6132 | 16.29 | 16.73 | 16.55 | 0.44 | 0.200 | 0.120 | 0.400 | 0.80 | 31321.627 | 323 | |
| 2726 | 586 | 16060 | 6207 | 4.10988 | 4.109882 | 0.6138 | 15.21 | 15.70 | 15.45 | 0.49 | 0.245 | 0.106 | 0.381 | 0.55 | 27457.469 | 390 | S' |
| 5643 | 819 | 7540 | 17308 | ... | 4.112164 | 0.6141 | 16.09 | 16.90 | 16.50 | 0.81 | 0.200 | 0.110 | 0.444 | 0.50 | 28846.402 | 221 | |
| 979 | 107 | 13345 | 7228 | 4.1159 | 4.115919 | 0.6145 | 15.16 | 16.47 | 15.94 | 1.31 | 0.200 | 0.099 | 0.419 | 0.80 | 16820.747 | 458 | |
| 12338 | 1268 | 16908 | 5166 | 4.1169 | 4.117120 | 0.6146 | 15.54 | 16.71 | 16.28 | 1.17 | 0.180 | 0.111 | 0.341 | 0.80 | 27808.317 | 368 | |
| 2720 | 580 | 15990 | 6124 | 4.12111 | 4.120746 | 0.6150 | 14.92 | 15.50 | 15.29 | 0.58 | 0.190 | 0.105 | 0.414 | 0.80 | 27756.442 | 390 | S |
| 12678 | 1491 | 20922 | 14346 | ... | 4.123761 | 0.6153 | 15.26 | 16.67 | 15.89 | 1.41 | 0.210 | 0.090 | 0.403 | 0.30 | 29574.386 | 309 | S |
| 12812 | 1595 | 12807 | -816 | ... | 4.129059 | 0.6159 | 15.50 | 16.32 | 15.95 | 0.82 | 0.235 | 0.096 | 0.311 | 0.00 | | 200 | |
| 2634 | 503 | 14259 | 6544 | 4.13290 | 4.132897 | 0.6162 | 15.31 | 15.69 | 15.54 | 0.38 | 0.290 | 0.149 | 0.379 | 0.80 | 26410.272 | 463 | S;M;P;cr |
| 2590 | 469 | 13616 | 5496 | 4.14592 | 4.145635 | 0.6176 | 13.93 | 15.70 | 15.02 | 1.77 | 0.165 | 0.087 | 0.376 | 0.50 | 27728.547 | 421 | |
| 2481 | 374 | 11472 | 6010 | 4.151911 | 4.151911 | 0.6182 | 15.82 | 16.77 | 16.35 | 0.95 | 0.240 | 0.112 | 0.432 | 0.45 | 27449.381 | 402 | S;cr |
| 12511 | 1352 | 3480 | 12774 | ... | 4.153043 | 0.6184 | 15.76 | 16.53 | 16.20 | 0.77 | 0.230 | 0.114 | 0.434 | 0.50 | 27808.317 | 403 | |
| 2394 | 295 | 8744 | 10746 | 4.15419 | 4.153566 | 0.6184 | 15.80 | 16.52 | 16.22 | 0.72 | 0.275 | 0.124 | 0.472 | 0.30 | 24353.890 | 463 | |
| 2802 | 657 | 17906 | 16774 | ... | 4.154616 | 0.6185 | 15.38 | 16.64 | 16.11 | 1.26 | 0.260 | 0.088 | 0.382 | 0.06 | 26322.343 | 423 | |
| 2411 | 312 | 9214 | 8796 | 4.15488 | 4.154716 | 0.6185 | 15.37 | 16.12 | 15.74 | 0.75 | 0.320 | 0.118 | 0.438 | 0.51 | 30639.590 | 427 | S |
| 5926 | 991 | 14705 | 6936 | 4.15550 | 4.154767 | 0.6185 | 15.57 | 16.45 | 16.06 | 0.88 | 0.260 | 0.158 | 0.388 | 0.80 | 32067.621 | 366 | Sm |
| 962 | 91 | 12596 | 7567 | 4.15576 | 4.156219 | 0.6187 | 15.27 | 16.38 | 15.79 | 1.11 | 0.290 | 0.100 | 0.371 | 0.80 | 13946.555 | 388 | |
| 5831 | 943 | 12400 | 4210 | ... | 4.157814 | 0.6189 | 15.50 | 16.76 | 16.40 | 1.26 | 0.490 | 0.210 | 0.425 | 0.30 | 24053.784 | 482 | S' |
| 2596* | 475 | 13808 | 8177 | ... | 4.166300 | 0.6198 | 15.68 | 16.61 | 16.22 | 0.93 | 0.240 | 0.148 | 0.331 | 0.47 | 28040.645 | 356 | |
| 2560 | 443 | 13136 | 5506 | 4.16816 | 4.167763 | 0.6199 | 14.28 | 15.68 | 15.10 | 1.40 | 0.295 | 0.089 | 0.379 | 0.50 | 25850.638 | 417 | |
| 2832 | 682 | 18825 | 14658 | 4.1679 | 4.167859 | 0.6199 | 15.16 | 16.50 | 16.00 | 1.34 | 0.235 | 0.068 | 0.365 | 0.25 | 26960.603 | 420 | |
| 12424 | 1291 | 4068 | 3990 | 4.17063 | 4.170744 | 0.6202 | 15.66 | 16.43 | 16.14 | 0.77 | 0.175 | 0.064 | 0.312 | 0.33 | 31107.449 | 260 | |
| 5938 | 999 | 15042 | 11238 | 4.1743 | 4.174070 | 0.6206 | 15.62 | 16.60 | 16.14 | 0.98 | 0.310 | 0.131 | 0.405 | 0.38 | 26572.627 | 431 | |
| 12081 | 1189 | 25512 | 11742 | ... | 4.176747 | 0.6208 | 14.87 | 15.35 | 15.06 | 0.58 | 0.250 | 0.159 | 0.441 | 0.12 | 32229.400 | 168 | S |
| 12530 | 1370 | 4548 | 12960 | ... | 4.184775 | 0.6217 | 15.79 | 16.51 | 16.13 | 0.72 | 0.280 | 0.165 | 0.441 | 0.45 | 13894.749 | 379 | |
| 1010 | 137 | 16140 | 6484 | 4.1852 | 4.184922 | 0.6217 | 15.38 | 16.12 | 15.82 | 0.74 | 0.190 | 0.088 | 0.377 | 0.80 | 29574.507 | 435 | |
| 2769 | 626 | 17050 | 14706 | 4.18731 | 4.187190 | 0.6219 | 15.80 | 16.20 | 16.11 | 0.40 | 0.300 | 0.121 | 0.393 | 0.17 | 27658.646 | 416 | |
| 2782 | 638 | 17263 | 17688 | 4.1888 | 4.188830 | 0.6221 | 15.09 | 16.07 | 15.67 | 0.98 | 0.205 | 0.082 | 0.400 | 0.06 | 27456.387 | 398 | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M_0 | m_0 | $\langle m_0 \rangle$ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. |
|--------|------|-------|--------|----------|----------|--------|-------|--------|-----------------------|-------|--------|-------|-------|------|------------------|------|-------|
| 2328 | 234 | 6340" | 10294" | 4.2043 | 4.204182 | 0.6237 | 15.96 | 17.03 | 16.53 | 17.07 | 0.230 | 0.091 | 0.418 | 0.49 | 29629.338 | 418 | |
| 12010 | 1139 | 10188 | 7800 | 4.20583 | 4.205454 | 0.6238 | 15.65 | 16.54 | 16.13 | 0.89 | 0.240 | 0.100 | 0.435 | 0.48 | 30647.582 | 437 | |
| 989 | 117 | 13845 | 6833 | 4.20677 | 4.206771 | 0.6240 | 14.92 | 16.33 | 15.71 | 1.41 | 0.190 | 0.092 | 0.394 | 0.80 | 26977.615 | 444 | |
| 5861 | 956 | 13188 | 15488 | 4.213897 | 4.213697 | 0.6247 | 15.31 | 16.20 | 15.85 | 0.89 | 0.200 | 0.090 | 0.426 | 0.13 | 27808.317 | 412 | |
| 994* | 121 | 14075 | 6365 | 5.49473 | 4.226712 | 0.6260 | 15.09 | 15.66 | 15.41 | 0.57 | 0.240 | 0.169 | 0.411 | 0.52 | 29956.560 | 442 | |
| 2723 | 583 | 16016 | 4799 | 4.23361 | 4.233611 | 0.6267 | 15.67 | 16.86 | 16.37 | 1.19 | 0.235 | 0.071 | 0.362 | 0.80 | 27426.555 | 385 | S;cc |
| 2668 | 533 | 14833 | 7516 | ... | 4.237055 | 0.6271 | 15.51 | 16.00 | 15.82 | 0.49 | 0.290 | 0.151 | 0.436 | 0.52 | 27755.452 | 404 | S;cc |
| 6015 | 1048 | 17793 | 15306 | ... | 4.239171 | 0.6273 | 15.82 | 16.64 | 16.15 | 0.72 | 0.320 | 0.140 | 0.470 | 0.17 | 28838.465 | 422 | S |
| 2879 | 728 | 22013 | 15082 | ... | 4.246753 | 0.6281 | 15.18 | 16.69 | 15.86 | 1.51 | 0.240 | 0.108 | 0.417 | 0.30 | 32915.437 | 319 | |
| 2594 | 473 | 13786 | 1984 | ... | 4.256569 | 0.6291 | 15.87 | 16.72 | 16.38 | 0.85 | 0.330 | 0.117 | 0.400 | 0.12 | 32035.638 | 396 | |
| 12432 | 1299 | 5244 | 4362 | 4.26723 | 4.266903 | 0.6301 | 15.43 | 16.36 | 16.11 | 0.93 | 0.200 | 0.090 | 0.346 | 0.31 | 27728.464 | 393 | |
| 12791 | 1582 | 10967 | 20472 | ... | 4.276402 | 0.6311 | 16.02 | 17.13 | 16.56 | 1.11 | 0.240 | 0.130 | 0.389 | 0.06 | 32891.329 | 167 | |
| 2366 | 269 | 7892 | 6419 | ... | 4.278722 | 0.6313 | 15.52 | 16.65 | 16.18 | 1.13 | 0.160 | 0.065 | 0.351 | 0.30 | 27413.340 | 414 | |
| 6085 | 1089 | 21584 | 15818 | ... | 4.282968 | 0.6317 | 15.64 | 16.90 | 16.30 | 1.26 | 0.215 | 0.086 | 0.391 | 0.30 | 31113.468 | 336 | |
| 2407 | 308 | 9153 | 8777 | 4.28765 | 4.287484 | 0.6322 | 15.52 | 16.38 | 16.01 | 0.86 | 0.370 | 0.148 | 0.460 | 0.51 | 27807.365 | 451 | S |
| 2421 | 320 | 9491 | 5888 | ... | 4.290094 | 0.6325 | 15.11 | 16.35 | 15.79 | 1.24 | 0.260 | 0.134 | 0.442 | 0.42 | 26594.599 | 428 | |
| 1021 | 147 | 18274 | 8226 | 4.36171 | 4.296931 | 0.6332 | 15.77 | 16.24 | 15.97 | 0.47 | 0.450 | 0.199 | 0.471 | 0.30 | 26577.631 | 381 | |
| 12422 | 1289 | 3738 | 1482 | 4.29911 | 4.298947 | 0.6334 | 15.88 | 16.83 | 16.36 | 0.95 | 0.200 | 0.101 | 0.369 | 0.31 | 30203.637 | 298 | |
| 5974 | 1020 | 16030 | 5348 | 4.29937 | 4.299216 | 0.6334 | 15.26 | 15.83: | 15.57 | 0.57: | 0.210 | 0.110 | 0.359 | 0.80 | 31111.542 | 422 | S' |
| 2384 | 287 | 8588 | 5313 | 4.301 | 4.303237 | 0.6338 | 15.01 | 16.38 | 15.88 | 1.37 | 0.240 | 0.089 | 0.379 | 0.50 | 29577.384 | 408 | |
| 12971 | 1661 | 8364 | 20227 | ... | 4.313782 | 0.6349 | 15.46 | 16.40 | 15.81 | 0.94 | 0.360 | 0.195 | 0.536 | 0.18 | 27653.628 | 103 | |
| 12720 | 1526 | -754 | 8256 | ... | 4.315442 | 0.6350 | 15.69 | 16.95 | 16.39 | 1.26 | 0.265 | 0.085 | 0.355 | 0.43 | 28105.440 | 228 | |
| 5586 | 785 | 6060 | 15910 | ... | 4.316251 | 0.6351 | 16.00 | 16.68 | 16.32 | 0.68 | 0.220 | 0.126 | 0.434 | 0.42 | 31670.593 | 217 | |
| 12436 | 1302 | 13968 | 18762 | 4.32251 | 4.323047 | 0.6358 | 14.71 | 15.79 | 15.27 | 1.08 | 0.210 | 0.109 | 0.427 | 0.03 | 13894.749 | 406 | |
| 5750 | 896 | 10312 | 9064 | ... | 4.323910 | 0.6359 | 15.44 | 16.18 | 15.89 | 0.74 | 0.360: | 0.209 | 0.459 | 0.80 | 13847.841 | 434 | S';P? |
| 2835 | 685 | 18877 | 7095 | 4.32481 | 4.324950 | 0.6360 | 15.73 | 16.72 | 16.35 | 0.99 | 0.195 | 0.105 | 0.363 | 0.30 | 29627.308 | 387 | |
| 12554 | 1391 | 7020 | 3240 | ... | 4.332208 | 0.6367 | 15.01 | 16.71 | 15.93 | 1.70 | 0.225 | 0.087 | 0.343 | 0.37 | 23740.790 | 240 | |
| 12826 | 1607 | 14069 | 7 | ... | 4.333088 | 0.6368 | 15.64 | 16.61 | 15.85 | 0.97 | 0.210 | 0.110 | 0.364 | 0.12 | 29574.507 | 86 | |
| 2859 | 709 | 20031 | 5800 | 4.331 | 4.333244 | 0.6368 | 15.35 | 16.34 | 15.91 | 0.99 | 0.175 | 0.095 | 0.381 | 0.38 | 23489.529 | 364 | |
| 2480 | 373 | 11467 | 7346 | 4.33345 | 4.333249 | 0.6368 | 14.79 | 16.15 | 15.57 | 1.36 | 0.260 | 0.101 | 0.382 | 0.80 | 23706.778 | 423 | |
| 2237 | 152 | 883 | 14198 | ... | 4.333342 | 0.6368 | 15.85 | 16.78 | 16.24 | 0.93 | 0.255 | 0.094 | 0.376 | 0.00 | 26456.214 | 313 | |
| 2314 | 221 | 5861 | 5541 | ... | 4.334723 | 0.6370 | 15.35 | 16.71 | 16.15 | 1.36 | 0.190 | 0.100 | 0.446 | 0.31 | 27449.434 | 398 | |
| 12789 | 1581 | 10850 | 21162 | ... | 4.336158 | 0.6371 | 16.01 | 16.50 | 16.25 | 0.49 | 0.375 | 0.154 | 0.399 | 0.06 | 27681.634 | 96 | |
| 12681 | 1494 | 21180 | 13164 | ... | 4.351122 | 0.6386 | 15.48 | 16.92 | 16.32 | 1.44 | 0.250 | 0.074 | 0.320 | 0.35 | 28861.401 | 388 | |
| 2788 | 644 | 17329 | 11914 | 4.355729 | 4.355729 | 0.6391 | 14.24 | 15.85 | 15.16 | 1.51 | 0.145 | 0.079 | 0.384 | 0.40 | 27457.277 | 496 | |
| 12532 | 1372 | 4590 | 15474 | ... | 4.363502 | 0.6398 | 15.34 | 16.18 | 15.73 | 0.84 | 0.205 | 0.095 | 0.361 | 0.37 | 27747.424 | 395 | |
| 12660 | 1474 | 19062 | 17760 | ... | 4.364406 | 0.6399 | 15.55 | 16.75 | 16.07 | 1.20 | 0.260 | 0.106 | 0.447 | 0.17 | 27421.344 | 321 | Sm |
| 6004 | 1044 | 17339 | 10920 | 4.3764 | 4.370653 | 0.6405 | 15.12 | 15.79 | 15.39 | 0.67 | 0.170 | 0.087 | 0.427 | 0.40 | 27800.283 | 352 | |
| 12845 | 1625 | 19794 | 23001 | ... | 4.373578 | 0.6408 | 15.38 | 16.66 | 16.09 | 1.28 | 0.200 | 0.087 | 0.415 | 0.00 | 31697.592 | 155 | |
| 5569* | 777 | 5580 | 10660 | 4.38106 | 4.381065 | 0.6416 | 15.44 | 16.47 | 16.02 | 1.03 | 0.280 | 0.130 | 0.399 | 0.80 | 26605.624 | 496 | |
| 2431 | 329 | 9734 | 6128 | ... | 4.387175 | 0.6422 | 15.57 | 16.21 | 15.88 | 0.64 | 0.390 | 0.194 | 0.476 | 0.47 | 28078.413 | 433 | S |
| 5610 | 799 | 6518 | 19444 | ... | 4.390837 | 0.6425 | 15.98 | 16.95 | 16.50 | 0.97 | 0.270 | 0.112 | 0.388 | 0.28 | 33104.662 | 120 | |
| 6051 | 1069 | 19408 | 10325 | ... | 4.391238 | 0.6426 | 15.05 | 15.43 | 15.22 | 0.38 | 0.450 | 0.237 | 0.502 | 0.50 | 27800.377 | 472 | S |
| 5675 | 839 | 8550 | 9100 | 4.39528 | 4.395064 | 0.6430 | 15.64 | 16.46 | 16.09 | 0.82 | 0.390 | 0.170 | 0.412 | 0.51 | 27422.272 | 441 | S;cc |
| 12841 | 1621 | 19144 | 23158 | ... | 4.402799 | 0.6437 | 15.73 | 16.55 | 16.16 | 0.82 | 0.260 | 0.138 | 0.449 | 0.00 | 30725.573 | 163 | |
| 2591 | 470 | 13657 | 7998 | ... | 4.409657 | 0.6444 | 15.33 | 16.41 | 15.90 | 1.08 | 0.210 | 0.112 | 0.411 | 0.44 | 23681.879 | 446 | |
| 2709 | 569 | 15721 | 5665 | 4.41238 | 4.412665 | 0.6447 | 15.19 | 15.87 | 15.57 | 0.68 | 0.280 | 0.150 | 0.459 | 0.80 | 15371.729 | 412 | |
| 12544 | 1382 | 6042 | 3810 | ... | 4.413823 | 0.6448 | 15.64 | 16.17 | 15.93 | 0.53 | 0.220 | 0.071 | 0.400 | 0.37 | 26977.847 | 410 | |
| 2692 | 553 | 15422 | 4199 | 4.423 | 4.421081 | 0.6455 | 15.10 | 16.37 | 15.79 | 1.27 | 0.195 | 0.094 | 0.399 | 0.80 | 26309.501 | 394 | |
| 12658 | 1472 | 19020 | 5076 | ... | 4.425378 | 0.6459 | 15.60 | 17.09 | 16.43 | 1.49 | 0.290 | 0.099 | 0.390 | 0.30 | 27456.354 | 276 | |
| 12513 | 1354 | 3744 | 15198 | ... | 4.425911 | 0.6460 | 15.88 | 16.24 | 16.08 | 0.36 | 0.225 | 0.114 | 0.347 | 0.34 | 29220.400 | 419 | S |
| 2706 | 566 | 15661 | 6214 | 4.427 | 4.427382 | 0.6461 | 14.83 | 16.03 | 15.49 | 1.20 | 0.240 | 0.109 | 0.383 | 0.52 | 26989.568 | 414 | |
| 12959* | 1654 | 49 | 17849 | ... | 4.432488 | 0.6466 | 15.44 | 16.55 | 16.10 | 1.11 | 0.180 | 0.106 | 0.472 | 0.29 | 27750.412 | 232 | |
| 6021 | 1093 | 22316 | 13360 | ... | 4.439253 | 0.6473 | 15.89 | 16.88 | 16.35 | 0.99 | 0.265 | 0.088 | 0.333 | 0.26 | 27808.317 | 290 | |
| 2821 | 673 | 18414 | 13144 | ... | 4.442683 | 0.6476 | 16.29 | 17.02 | 16.66 | 0.73 | 0.250 | 0.120 | 0.441 | 0.50 | 30725.573 | 404 | |
| 12573 | 1406 | 9228 | 5832 | ... | 4.444091 | 0.6478 | 16.11 | 16.69 | 16.46 | 0.58 | 0.250 | 0.108 | 0.363 | 0.42 | 24462.726 | 414 | SM |
| 12561 | 1397 | 7602 | 3780 | 4.444 | 4.451302 | 0.6485 | 16.21 | 16.74 | 16.54 | 0.53 | 0.235 | 0.149 | 0.370 | 0.37 | 32012.641 | 357 | SM |
| 2393 | 294 | 8743 | 8568 | 4.45992 | 4.459786 | 0.6493 | 14.98 | 15.88 | 15.39 | 0.90 | 0.340 | 0.149 | 0.447 | 0.51 | 30373.292 | 456 | S |
| 5579 | 781 | 5922 | 17640 | ... | 4.461095 | 0.6494 | 16.06 | 16.93 | 16.58 | 0.87 | 0.235 | 0.093 | 0.428 | 0.50 | 32024.604 | 220 | |
| 2547 | 431 | 12847 | 6581 | 4.46427 | 4.464869 | 0.6498 | 14.00 | 14.91 | 14.55 | 0.91 | 0.250 | 0.109 | 0.385 | 0.80 | 31325.618 | 508 | |
| 2799 | 655 | 17782 | 15645 | ... | 4.473360 | 0.6506 | 14.92 | 15.59 | 15.24 | 0.67 | 0.290: | 0.191 | 0.462 | 0.17 | 26988.563 | 433 | S;P? |
| 12046 | 1163 | 12792 | 6528 | 4.47565 | 4.475609 | 0.6509 | 15.12 | 15.73 | 15.41 | 0.61 | 0.390 | 0.162 | 0.372 | 0.80 | 26572.627 | 502 | S;cc |
| 5875 | 964 | 13484 | 10818 | ... | 4.483777 | 0.6516 | 15.95 | 16.65 | 16.25 | 0.60 | 0.205 | 0.106 | 0.444 | 0.46 | 16855.573 | 438 | |
| 948 | 77 | 11738 | 6585 | 4.48358 | 4.483817 | 0.6516 | 15.23 | 16.19 | 15.80 | 0.96 | 0.185 | 0.103 | 0.391 | 0.45 | 29855.636 | 453 | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | Max JD 2400000+ | Obs. | Rem. |
|-------|------|--------|--------|----------|----------|--------|----------------|----------------|------------------|------|--------|--------|--------|------|--------------------|------|-------|
| 12062 | 1173 | 19104" | 11436" | 4.49057 | 4.491066 | 0.6524 | 15.82 | 16.791 | 16.756 | 1.09 | 0.310: | 0.122 | 0.372 | 0.35 | 23490.574 | 371 | |
| 12869 | 1642 | 26250 | 11897 | ... | 4.493412 | 0.6526 | 15.51 | 16.09 | 15.73 | 0.58 | 0.425 | 0.213 | 0.510 | 0.00 | 27730.561 | 162 | |
| 5662 | 828 | 8156 | 19906 | ... | 4.501848 | 0.6534 | 15.65 | 16.59 | 16.17 | 0.94 | 0.260 | 0.109 | 0.403 | 0.19 | 27749.489 | 414 | |
| 12207 | 1212 | 8275 | 22316 | 4.50645 | 4.507106 | 0.6539 | 15.16 | 16.50 | 15.98 | 1.34 | 0.325 | 0.136 | 0.479 | 0.14 | 31699.497 | 103 | |
| 12979 | 1667 | 6834 | 16675 | 4.49 | 4.509710 | 0.6541 | 16.08 | 16.99 | 16.53 | 0.91 | 0.175 | 0.097 | 0.330 | 0.31 | 27800.320 | 162 | |
| 1018 | 144 | 18480 | 18030 | ... | 4.512345 | 0.6544 | 15.91 | 16.68 | 16.38 | 0.77 | 0.210 | 0.092 | 0.379 | 0.05 | 27426.555 | 390 | |
| 6059 | 1071 | 19716 | 15895 | ... | 4.520796 | 0.6552 | 15.33 | 16.78 | 16.22 | 1.45 | 0.250 | 0.097 | 0.343 | 0.25 | 29594.386 | 325 | |
| 2415 | 316 | 9286 | 6787 | ... | 4.544532 | 0.6575 | 15.31 | 16.27 | 15.92 | 0.96 | 0.250 | 0.109 | 0.400 | 0.30 | 32940.457 | 434 | |
| 12485 | 1334 | 1740 | 7896 | ... | 4.563433 | 0.6593 | 16.03 | 17.19 | 16.53 | 1.16 | 0.270 | 0.071 | 0.241 | 0.30 | 29229.272 | 139 | |
| 12825 | 1606 | 14734 | 20665 | ... | 4.564918 | 0.6594 | 15.06 | 16.12 | 15.57 | 1.06 | 0.221 | 0.100 | 0.341 | 0.00 | 27455.359 | 231 | |
| 12766 | 1563 | 7200 | 20743 | ... | 4.566406 | 0.6596 | 14.66 | 16.43 | 15.68 | 1.77 | 0.230 | 0.082 | 0.429 | 0.19 | 31670.593 | 105 | |
| 12646 | 1463 | 18402 | 4872 | ... | 4.594667 | 0.6622 | 15.51 | 16.35 | 15.85 | 0.84 | 0.305 | 0.144 | 0.471 | 0.53 | 27449.434 | 377 | |
| W 30 | 1738 | 3630 | 19101 | 4.605 | 4.605006 | 0.6632 | 15.67 | 16.35 | 16.05 | 0.68 | 0.245 | 0.125 | 0.394 | 0.24 | 27694.627 | 88 | |
| 2463 | 529 | 14687 | 724 | ... | 4.607620 | 0.6635 | 15.45 | 16.23 | 15.87 | 0.78 | 0.250 | 0.130 | 0.430 | 0.12 | 30318.498 | 103 | |
| 5775 | 913 | 11000 | 13387 | 4.60889 | 4.609116 | 0.6636 | 15.55 | 16.13 | 15.81 | 0.58 | 0.310 | 0.156 | 0.430 | 0.50 | 15619.884 | 423 | |
| 12415 | 1282 | 3012 | 882 | 4.60980 | 4.609928 | 0.6637 | 15.11 | 16.32 | 15.82 | 1.21 | 0.190 | 0.097 | 0.389 | 0.31 | 32039.635 | 321 | Sm |
| 5699 | 855 | 8980 | 9740 | 4.6219 | 4.622290 | 0.6648 | 15.98 | 16.66 | 16.31 | 0.68 | 0.280 | 0.114 | 0.456 | 0.80 | 26956.619 | 438 | |
| 6102 | 1101 | 8264 | 20141 | ... | 4.624947 | 0.6651 | 14.78 | 16.19 | 15.62 | 1.41 | 0.240 | 0.080 | 0.422 | 0.18 | 27653.628 | 106 | |
| 5907 | 976 | 14226 | 6710 | 4.62794 | 4.628109 | 0.6654 | 15.61 | 16.88 | 16.24 | 1.27 | 0.330 | 0.107 | 0.404 | 0.80 | 17965.607 | 449 | |
| 6012 | 1046 | 17716 | 6787 | ... | 4.630875 | 0.6657 | 15.31 | 16.37 | 15.94 | 1.06 | 0.245 | 0.097 | 0.363 | 0.55 | 28082.610 | 413 | |
| 5694 | 851 | 8871 | 5639 | 4.625 | 4.631605 | 0.6657 | 16.14 | 16.85 | 16.51 | 0.71 | 0.220 | 0.136 | 0.403 | 0.42 | 24824.683 | 422 | |
| 2777 | 633 | 17185 | 5538 | 4.6337 | 4.633435 | 0.6659 | 15.25 | 16.43 | 15.95 | 1.18 | 0.205 | 0.078 | 0.392 | 0.80 | 31317.599 | 342 | |
| 2486 | 378 | 11584 | 1859 | ... | 4.634700 | 0.6660 | 16.07 | 16.82 | 16.49 | 0.75 | 0.260 | 0.109 | 0.424 | 0.00 | 14391.543 | 429 | |
| 12795 | 1584 | 11520 | 22717 | ... | 4.635843 | 0.6661 | 15.12 | 16.31 | 15.82 | 1.19 | 0.370: | 0.153: | 0.386: | 0.04 | 27568.646 | 51 | |
| 12824 | 1605 | 14656 | 23055 | ... | 4.637851 | 0.6663 | 15.14 | 16.18 | 15.66 | 1.04 | 0.215 | 0.104 | 0.431 | 0.00 | 30680.540 | 292 | |
| 2486 | 708 | 20004 | 16542 | ... | 4.639467 | 0.6665 | 15.94 | 16.67 | 16.35 | 0.73 | 0.310 | 0.144 | 0.402 | 0.24 | 26710.335 | 353 | |
| 2616 | 490 | 14026 | 8316 | ... | 4.641385 | 0.6666 | 15.22 | 16.40 | 15.92 | 1.18 | 0.230 | 0.098 | 0.449 | 0.49 | 29128.623 | 439 | |
| 2716 | 576 | 15946 | 5174 | 4.6503 | 4.650455 | 0.6675 | 15.53 | 16.42 | 16.06 | 0.89 | 0.220 | 0.080 | 0.323 | 0.51 | 29519.613 | 405 | |
| 12974 | 1663 | 6290 | 16326 | 4.64 | 4.654313 | 0.6679 | 15.22 | 16.33 | 15.77 | 1.11 | 0.320 | 0.072 | 0.328 | 0.31 | 23732.679 | 195 | |
| 2613 | 487 | 14010 | 8110 | ... | 4.656570 | 0.6681 | 15.39 | 16.35 | 15.96 | 0.96 | 0.250 | 0.102 | 0.385 | 0.49 | 30647.582 | 440 | SM:cr |
| W 22 | 1734 | 5036 | 19885 | 4.664 | 4.661959 | 0.6686 | 15.20 | 16.13 | 15.76 | 0.93 | 0.275 | 0.127 | 0.422 | 0.27 | 30318.343 | 109 | |
| 2724 | 584 | 16022 | 5044 | 4.662276 | 4.662276 | 0.6686 | 15.22 | 16.26 | 15.80 | 1.04 | 0.200 | 0.090 | 0.366 | 0.80 | 29229.404 | 398 | |
| 12788 | 1580 | 10740 | 20561 | ... | 4.666980 | 0.6690 | 15.64 | 16.44 | 16.09 | 0.80 | 0.220 | 0.123 | 0.417 | 0.06 | 16820.838 | 168 | |
| 2584* | 463 | 13491 | 8564 | ... | 4.671871 | 0.6695 | 15.45 | 16.34 | 15.95 | 0.89 | 0.215 | 0.098 | 0.318 | 0.47 | 29938.541 | 181 | |
| 12322 | 1252 | 5934 | 9270 | 4.67591 | 4.675565 | 0.6698 | 15.07 | 16.05 | 15.66 | 0.98 | 0.195 | 0.106 | 0.389 | 0.80 | 16816.768 | 439 | |
| 12076 | 1184 | 22686 | 8766 | 4.675825 | 4.675630 | 0.6698 | 15.29 | 16.39 | 15.85 | 1.10 | 0.230 | 0.102 | 0.392 | 0.19 | 27426.555 | 412 | |
| 12430 | 1297 | 5196 | 888 | 4.6781 | 4.678122 | 0.6701 | 15.45 | 16.51 | 16.05 | 1.06 | 0.235 | 0.105 | 0.391 | 0.30 | 28762.619 | 310 | |
| 6025 | 1055 | 17981 | 16607 | ... | 4.678306 | 0.6701 | 15.97 | 16.88 | 16.52 | 0.91 | 0.270 | 0.103 | 0.413 | 0.06 | 31740.496 | 406 | S |
| 2490 | 382 | 11744 | 5628 | 4.679786 | 4.680434 | 0.6703 | 14.46 | 15.86 | 15.21 | 1.40 | 0.265 | 0.120 | 0.416 | 0.50 | 15282.874 | 430 | |
| 5840 | 947 | 12678 | 3090 | ... | 4.690298 | 0.6712 | 15.11 | 16.50 | 15.81 | 1.39 | 0.230 | 0.102 | 0.435 | 0.25 | 30712.555 | 444 | |
| 2334 | 240 | 6738 | 13316 | 4.691411 | 4.691270 | 0.6713 | 15.32 | 16.65 | 16.04 | 1.33 | 0.280 | 0.143 | 0.423 | 0.47 | 26686.569 | 425 | |
| 5526 | 756 | 3756 | 8623 | ... | 4.692234 | 0.6714 | 15.77 | 16.93 | 16.51 | 1.16 | 0.165: | 0.065 | 0.314 | 0.30 | 24084.690 | 376 | |
| 2741 | 600 | 16434 | 5146 | 4.69829 | 4.699037 | 0.6720 | 15.54 | 16.26 | 15.23 | 0.72 | 0.270 | 0.148 | 0.377 | 0.80 | 31738.589 | 383 | S:cc |
| 5982 | 1027 | 16583 | 16216 | 4.71003 | 4.709591 | 0.6730 | 15.55 | 16.40 | 15.97 | 0.85 | 0.360 | 0.194 | 0.472 | 0.06 | 30372.326 | 419 | |
| 2826 | 677 | 18588 | 11403 | 4.709949 | 4.709949 | 0.6730 | 15.48 | 16.59 | 16.08 | 1.11 | 0.255 | 0.128 | 0.415 | 0.35 | 29586.418 | 433 | S |
| 988 | 116 | 13734 | 4291 | ... | 4.711115 | 0.6731 | 15.39 | 16.52 | 16.11 | 1.13 | 0.240 | 0.132 | 0.529 | 0.30 | 23682.875 | 474 | |
| 2422 | 321 | 9508 | 8795 | 4.71787 | 4.717670 | 0.6737 | 16.03 | 16.60 | 16.35 | 0.57 | 0.370 | 0.139 | 0.399 | 0.51 | 26989.568 | 450 | S:cc |
| 12838 | 1619 | 16932 | -459 | ... | 4.725181 | 0.6744 | 14.65 | 15.83 | 15.21 | 1.18 | 0.270 | 0.135 | 0.407 | 0.00 | 30766.438 | 144 | |
| 12649 | 1466 | 18492 | 2304 | ... | 4.728253 | 0.6747 | 15.63 | 16.68 | 16.24 | 1.05 | 0.265 | 0.116 | 0.423 | 0.30 | 30619.617 | 346 | S |
| 12728 | 1532 | -772 | 17247 | ... | 4.740733 | 0.6758 | 15.81 | 16.80 | 16.36 | 0.99 | 0.270 | 0.145 | 0.368 | 0.29 | 29597.318 | 270 | S |
| 2345 | 249 | 7054 | 4933 | ... | 4.743326 | 0.6761 | 15.60 | 16.28 | 15.95 | 0.68 | 0.250 | 0.127 | 0.425 | 0.50 | 27801.321 | 391 | |
| 943 | 72 | 11214 | 10357 | ... | 4.744889 | 0.6762 | 15.28 | 15.75 | 15.52 | 0.47 | 0.390 | 0.187 | 0.477 | 0.47 | 24380.812 | 460 | S |
| 12231 | 1229 | 22965 | 9105 | 4.7508 | 4.751037 | 0.6768 | 15.35 | 16.12 | 15.72 | 0.77 | 0.240 | 0.101 | 0.407 | 0.19 | 25997.359 | 386 | |
| W 49 | 1750 | 4326 | 20526 | 4.75 | 4.752030 | 0.6769 | 15.80 | 16.32 | 16.03 | 0.52 | 0.440 | 0.250 | 0.437 | 0.21 | 27681.560 | 100 | |
| 12409 | 1277 | 2148 | 3384 | 4.75222 | 4.752219 | 0.6769 | 15.15 | 15.70 | 15.42 | 0.55 | 0.430 | 0.139 | 0.400 | 0.33 | 31496.277 | 330 | |
| 2695 | 555 | 15464 | 5698 | 4.770 | 4.769995 | 0.6785 | 14.91 | 16.20 | 15.65 | 1.31 | 0.235 | 0.112 | 0.408 | 0.51 | 27457.382 | 407 | |
| 6018 | 1051 | 17880 | 8453 | 4.7833 | 4.783018 | 0.6797 | 15.47 | 16.48 | 16.01 | 1.01 | 0.300 | 0.167 | 0.424 | 0.47 | 30313.555 | 402 | |
| 6093 | 1095 | 22820 | 10916 | 4.78505 | 4.784772 | 0.6799 | 15.80 | 16.42 | 15.87 | 0.82 | 0.175 | 0.107 | 0.363 | 0.22 | 16820.747 | 156 | |
| 12006 | 1136 | 9684 | 8142 | 4.794 | 4.793335 | 0.6806 | 15.46 | 16.01 | 15.88 | 0.55 | 0.385 | 0.164 | 0.376 | 0.51 | 29956.456 | 453 | S |
| 2805 | 659 | 17951 | 5014 | ... | 4.796451 | 0.6809 | 15.34 | 16.74 | 16.09 | 1.40 | 0.235 | 0.113 | 0.378 | 0.55 | 27456.309 | 316 | |
| 2456 | 350 | 10491 | 9014 | 4.813489 | 4.796868 | 0.6810 | 15.25 | 16.37 | 15.93 | 1.12 | 0.205 | 0.085 | 0.394 | 0.80 | 23490.573 | 432 | |
| 2660 | 526 | 14638 | 7155 | 4.80068 | 4.800695 | 0.6813 | 15.39 | 16.47 | 15.90 | 1.08 | 0.220 | 0.099 | 0.410 | 0.80 | 29927.447 | 386 | S:cr |
| 2408 | 309 | 9165 | 9838 | 4.80989 | 4.809889 | 0.6821 | 14.98 | 16.00 | 15.58 | 1.02 | 0.325 | 0.119 | 0.400 | 0.80 | 29674.309 | 461 | SM |
| 2320 | 226 | 6084 | 11186 | 4.81183 | 4.812400 | 0.6824 | 15.76 | 16.57 | 16.18 | 0.81 | 0.255 | 0.108 | 0.423 | 0.80 | 26567.629 | 512 | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M_0 | m_0 | $(m)_0$ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. |
|--------|------|--------|-------|-----------|----------|--------|-------|-------|---------|------|-------|-------|-------|------|------------------|------|---------|
| 2756 | 615 | 16731" | 6504" | 4.8128 | 4.812684 | 0.6824 | 15.91 | 16.68 | 16.19 | 0.77 | 0.250 | 0.142 | 0.436 | 0.47 | 27449.307 | 442 | |
| 2439 | 335 | 9902 | 7802 | 4.81317 | 4.913177 | 0.6824 | 15.91 | 16.68 | 16.19 | 0.77 | 0.250 | 0.142 | 0.436 | 0.47 | 27449.307 | 442 | |
| 12843 | 1623 | 19173 | 20657 | ... | 4.819306 | 0.6830 | 14.86 | 16.45 | 15.70 | 1.59 | 0.260 | 0.142 | 0.438 | 0.00 | 29970.551 | 172 | SM |
| 12242* | 1240 | 4026 | 21402 | 4.8190 | 4.819455 | 0.6830 | 15.45 | 16.09 | 15.73 | 0.64 | 0.350 | 0.180 | 0.518 | 0.21 | 32056.578 | 106 | |
| 12031 | 1153 | 11862 | 7314 | 4.8209 | 4.820753 | 0.6831 | 15.31 | 15.79 | 15.55 | 0.48 | 0.300 | 0.124 | 0.390 | 0.80 | 31328.617 | 289 | S;cc |
| 2365 | 268 | 7880 | 4643 | ... | 4.825563 | 0.6836 | 14.73 | 16.38 | 15.65 | 1.65 | 0.190 | 0.071 | 0.390 | 0.38 | 31066.565 | 417 | |
| 2477 | 370 | 11434 | 6554 | 4.83101 | 4.931562 | 0.6841 | 15.15 | 16.49 | 15.89 | 1.34 | 0.225 | 0.091 | 0.386 | 0.45 | 31326.634 | 438 | |
| 2828 | 679 | 18643 | 5771 | 4.8326 | 4.832779 | 0.6842 | 15.25 | 16.48 | 15.97 | 1.23 | 0.300 | 0.109 | 0.382 | 0.30 | 29129.635 | 378 | SM |
| 6016 | 1049 | 17808 | 13712 | ... | 4.834141 | 0.6843 | 15.18 | 16.25 | 15.87 | 1.09 | 0.170 | 0.105 | 0.406 | 0.25 | 27755.452 | 424 | |
| 2620 | 493 | 14112 | 8054 | ... | 4.834278 | 0.6843 | 15.51 | 16.25 | 16.00 | 0.84 | 0.240 | 0.101 | 0.350 | 0.49 | 27449.434 | 438 | |
| 2875 | 724 | 21268 | 12681 | ... | 4.836291 | 0.6845 | 15.62 | 17.03 | 16.40 | 1.31 | 0.230 | 0.100 | 0.349 | 0.35 | 26977.615 | 401 | |
| 2464 | 358 | 10653 | 6312 | ... | 4.840927 | 0.6849 | 15.23 | 15.74 | 15.39 | 0.51 | 0.435 | 0.217 | 0.468 | 0.45 | 30372.326 | 421 | S;icr |
| 2708 | 568 | 15719 | 6743 | 4.85 | 4.852223 | 0.6859 | 15.71 | 16.59 | 16.22 | 0.88 | 0.275 | 0.132 | 0.409 | 0.80 | 26988.563 | 406 | |
| 12220 | 1220 | 1749 | 18636 | 4.8572 | 4.856809 | 0.6864 | 15.39 | 16.22 | 15.92 | 0.83 | 0.325 | 0.104 | 0.367 | 0.24 | 28776.533 | 107 | |
| 13001 | 1680 | 16738 | 6191 | ... | 4.863233 | 0.6869 | 15.86 | 16.89 | 16.39 | 1.03 | 0.260 | 0.110 | 0.388 | 0.80 | 31113.506 | 403 | |
| 2303 | 211 | 5563 | 12524 | 4.8549 | 4.865517 | 0.6871 | 15.72 | 16.75 | 16.26 | 1.03 | 0.250 | 0.076 | 0.398 | 0.45 | 24824.683 | 433 | |
| 2614 | 488 | 14014 | 7506 | 4.87429 | 4.874532 | 0.6879 | 15.21 | 16.36 | 15.76 | 1.15 | 0.240 | 0.097 | 0.461 | 0.80 | 23732.679 | 463 | |
| 951 | 80 | 12001 | 13124 | 4.8806486 | 4.880782 | 0.6885 | 15.72 | 16.81 | 16.35 | 1.09 | 0.255 | 0.118 | 0.382 | 0.50 | 27808.282 | 412 | |
| 12809 | 1594 | 12762 | 23469 | ... | 4.907282 | 0.6908 | 15.63 | 16.48 | 16.11 | 0.85 | 0.200 | 0.090 | 0.371 | 0.00 | 27749.289 | 302 | SM |
| 2325 | 231 | 6195 | 11779 | 4.90747 | 4.907793 | 0.6909 | 15.62 | 16.55 | 16.12 | 0.93 | 0.255 | 0.119 | 0.424 | 0.49 | 26989.568 | 435 | S |
| 2383 | 286 | 8555 | 9804 | 4.9080 | 4.908609 | 0.6910 | 15.01 | 16.17 | 15.62 | 1.16 | 0.235 | 0.095 | 0.454 | 0.80 | 29938.541 | 418 | |
| 2387 | 289 | 8612 | 4084 | ... | 4.910811 | 0.6911 | 15.67 | 16.19 | 15.85 | 0.52 | 0.225 | 0.116 | 0.472 | 0.30 | 24380.812 | 413 | Sm |
| 12335 | 1265 | 16728 | 6342 | 4.91681 | 4.917262 | 0.6917 | 16.29 | 17.09 | 16.74 | 0.80 | 0.210 | 0.102 | 0.402 | 0.80 | 29220.400 | 372 | Sm |
| 12057 | 1171 | 13554 | 6600 | 4.9205 | 4.919989 | 0.6920 | 15.28 | 16.09 | 15.73 | 0.81 | 0.270 | 0.149 | 0.411 | 0.80 | 27457.349 | 441 | |
| 2861 | 711 | 20302 | 14878 | 4.93822 | 4.938295 | 0.6936 | 15.36 | 16.67 | 16.08 | 1.31 | 0.225 | 0.092 | 0.336 | 0.30 | 13948.574 | 382 | |
| 2539 | 424 | 12746 | 6559 | 4.94254 | 4.943301 | 0.6940 | 14.43 | 15.68 | 15.05 | 1.25 | 0.200 | 0.098 | 0.433 | 0.80 | 17563.728 | 436 | |
| 6017 | 1050 | 17842 | 17960 | ... | 4.961104 | 0.6956 | 15.00 | 16.36 | 15.73 | 1.36 | 0.185 | 0.091 | 0.431 | 0.06 | 29518.630 | 399 | |
| 12867 | 1641 | 24260 | 13715 | ... | 4.972280 | 0.6966 | 15.49 | 16.46 | 15.97 | 0.97 | 0.210 | 0.109 | 0.370 | 0.00 | 30751.283 | 170 | |
| W 18 | 1733 | 1985 | 19649 | 4.965 | 4.973135 | 0.6966 | 15.62 | 16.30 | 15.92 | 0.68 | 0.330 | 0.229 | 0.408 | 0.24 | 30725.473 | 106 | |
| 2388 | 290 | 8670 | 19829 | ... | 4.989073 | 0.6980 | 15.36 | 16.48 | 15.95 | 1.12 | 0.265 | 0.124 | 0.410 | 0.19 | 29690.297 | 419 | Sm |
| 2845 | 695 | 19290 | 16970 | ... | 4.991649 | 0.6982 | 15.33 | 16.39 | 15.94 | 1.06 | 0.280 | 0.096 | 0.350 | 0.17 | 29913.598 | 382 | |
| 2283 | 191 | 4899 | 8095 | ... | 4.991811 | 0.6983 | 15.67 | 16.33 | 16.03 | 0.66 | 0.420 | 0.154 | 0.417 | 0.30 | 27456.387 | 357 | S |
| 2664 | 530 | 14714 | 6394 | 4.99600 | 4.995881 | 0.6986 | 15.08 | 15.93 | 15.56 | 0.85 | 0.300 | 0.141 | 0.441 | 0.52 | 29881.575 | 460 | S;m;icr |
| 12784 | 1577 | 10679 | -878 | ... | 4.999975 | 0.6990 | 15.25 | 16.40 | 15.67 | 1.15 | 0.210 | 0.110 | 0.445 | 0.11 | 27700.624 | 189 | |
| 2487 | 379 | 11595 | 4580 | ... | 5.003029 | 0.6992 | 15.01 | 16.43 | 15.73 | 1.41 | 0.210 | 0.121 | 0.453 | 0.30 | 27756.336 | 419 | |
| 12472 | 1325 | 1218 | 7380 | ... | 5.024925 | 0.7011 | 15.42 | 16.43 | 15.94 | 1.01 | 0.285 | 0.114 | 0.362 | 0.40 | 26577.631 | 261 | |
| 5534 | 761 | 4260 | 9362 | ... | 5.026435 | 0.7013 | 14.28 | 15.35 | 14.81 | 1.07 | 0.270 | 0.107 | 0.437 | 0.48 | 27681.594 | 398 | |
| 12077 | 1185 | 22878 | 9348 | 5.044136 | 5.043768 | 0.7027 | 15.13 | 15.94 | 15.54 | 0.81 | 0.290 | 0.102 | 0.407 | 0.19 | 32061.610 | 424 | |
| 2529 | 417 | 12525 | 7703 | 5.04551 | 5.045553 | 0.7029 | 14.44 | 15.80 | 15.19 | 1.36 | 0.230 | 0.108 | 0.358 | 0.80 | 29586.337 | 455 | |
| 2569 | 449 | 13243 | 6741 | 5.04569 | 5.045572 | 0.7029 | 15.68 | 16.62 | 16.29 | 0.94 | 0.285 | 0.105 | 0.380 | 0.80 | 27457.382 | 450 | |
| 2263 | 175 | 4087 | 11645 | ... | 5.051475 | 0.7034 | 14.53 | 15.10 | 14.83 | 0.57 | 0.210 | 0.111 | 0.381 | 0.50 | 32882.314 | 417 | |
| 2719 | 579 | 15986 | 5244 | 5.0528 | 5.052854 | 0.7035 | 15.15 | 16.27 | 15.76 | 1.12 | 0.210 | 0.112 | 0.362 | 0.80 | 27801.283 | 405 | |
| 2482 | 375 | 11476 | 9192 | 5.0635 | 5.063445 | 0.7044 | 15.75 | 16.28 | 15.99 | 0.53 | 0.345 | 0.134 | 0.401 | 0.48 | 23489.539 | 420 | |
| 2330 | 236 | 6445 | 4602 | ... | 5.066344 | 0.7047 | 15.43 | 17.11 | 16.21 | 1.68 | 0.200 | 0.101 | 0.358 | 0.38 | 27413.374 | 310 | |
| 12783 | 1576 | 10150 | 21225 | ... | 5.068249 | 0.7048 | 15.45 | 16.22 | 15.87 | 0.77 | 0.210 | 0.060 | 0.379 | 0.06 | 14962.768 | 136 | |
| 12568 | 1401 | 8598 | 6144 | ... | 5.071071 | 0.7051 | 15.12 | 16.83 | 16.08 | 1.71 | 0.200 | 0.115 | 0.420 | 0.47 | 27694.591 | 440 | |
| 12555 | 1392 | 7050 | 5628 | ... | 5.073580 | 0.7053 | 15.48 | 16.49 | 16.00 | 1.01 | 0.215 | 0.096 | 0.501 | 0.38 | 26956.619 | 430 | |
| 9651* | 822 | 7866 | 9377 | ... | 5.076277 | 0.7055 | 15.26 | 15.85 | 15.54 | 0.59 | 0.380 | 0.210 | 0.579 | 0.50 | 32915.336 | 461 | S;P? |
| 12209* | 1214 | 8372 | 22843 | 2.92997 | 5.083381 | 0.7061 | 14.78 | 16.56 | 15.57 | 1.78 | 0.220 | 0.099 | 0.372 | 0.14 | 29113.623 | 112 | |
| 5749 | 895 | 10304 | 8332 | 5.10099 | 5.100678 | 0.7076 | 15.30 | 16.25 | 15.94 | 0.95 | 0.200 | 0.087 | 0.332 | 0.48 | 27800.283 | 436 | |
| 2452 | 346 | 10282 | 10314 | ... | 5.103191 | 0.7078 | 15.24 | 16.15 | 15.76 | 0.91 | 0.175 | 0.103 | 0.409 | 0.30 | 26989.568 | 447 | |
| 12342 | 1272 | 17094 | 5106 | 5.109026 | 5.108364 | 0.7083 | 15.22 | 16.44 | 15.90 | 1.16 | 0.220 | 0.119 | 0.413 | 0.80 | 30640.598 | 356 | |
| 2381 | 284 | 8514 | 4344 | ... | 5.110254 | 0.7084 | 15.52 | 16.57 | 16.18 | 1.05 | 0.210 | 0.118 | 0.416 | 0.30 | 14391.543 | 392 | |
| 12715 | 1521 | -988 | 5843 | ... | 5.165473 | 0.7131 | 14.98 | 16.14 | 15.52 | 1.16 | 0.225 | 0.143 | 0.457 | 0.47 | 30591.641 | 294 | S |
| 931 | 60 | 10142 | 3784 | ... | 5.174971 | 0.7139 | 15.61 | 16.48 | 16.15 | 0.87 | 0.250 | 0.100 | 0.405 | 0.29 | 27456.309 | 406 | |
| 5595 | 792 | 6194 | 11765 | 5.19044 | 5.190599 | 0.7152 | 15.29 | 16.36 | 15.84 | 1.07 | 0.225 | 0.096 | 0.461 | 0.80 | 23752.638 | 437 | |
| 13026 | 1700 | 8602 | 8001 | ... | 5.191811 | 0.7153 | 16.21 | 16.86 | 16.56 | 0.65 | 0.285 | 0.134 | 0.477 | 0.51 | 31328.570 | 404 | |
| 1007 | 134 | 16493 | 13530 | 5.20207 | 5.202407 | 0.7162 | 13.97 | 15.69 | 14.89 | 1.72 | 0.170 | 0.100 | 0.389 | 0.50 | 27800.320 | 463 | |
| W 37 | 1741 | 1518 | 18194 | 5.203 | 5.203134 | 0.7163 | 15.57 | 16.50 | 16.18 | 0.93 | 0.240 | 0.091 | 0.489 | 0.24 | 24962.270 | 107 | |
| 2814 | 667 | 18245 | 9381 | 5.20879 | 5.208959 | 0.7168 | 15.14 | 16.41 | 15.83 | 1.27 | 0.200 | 0.095 | 0.375 | 0.44 | 27456.554 | 391 | |
| 12427 | 1294 | 4452 | 2778 | 5.2296 | 5.229695 | 0.7185 | 15.16 | 15.99 | 15.67 | 0.83 | 0.230 | 0.089 | 0.384 | 0.33 | 31712.517 | 359 | SM;cc |
| 8040 | 1112 | 3998 | 3749 | 5.2389 | 5.239297 | 0.7193 | 14.86 | 16.32 | 15.73 | 1.46 | 0.225 | 0.102 | 0.380 | 0.33 | 28523.409 | 316 | |
| 2531 | 419 | 12544 | 7312 | 5.28622 | 5.285600 | 0.7231 | 14.89 | 15.73 | 15.31 | 0.84 | 0.255 | 0.120 | 0.371 | 0.80 | 29585.388 | 331 | |
| 2779 | 635 | 17225 | 11146 | 5.3217 | 5.321801 | 0.7261 | 15.55 | 16.08 | 15.83 | 0.43 | 0.300 | 0.150 | 0.413 | 0.40 | 16855.573 | 490 | S! |

TABLE 5.—Cepheid variables—continued

| HV | LMV | X | Y | Publ. P. | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. |
|-------|------|--------|--------|----------|----------|--------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|------------------|------|-------|
| 2794 | 650 | 17574" | 16738" | ... | 5.311968 | 0.7269 | 15 ^m 24 | 16 ^m 43 | 15 ^m 83 | 1 ^m 19 | 0 ^p 250 | 0 ^p 142 | 0 ^p 479 | 0 ^m 30 | 32891.286 | 417 | |
| 13036 | 1710 | 13646 | 7213 | ... | 5.337065 | 0.7273 | 14.76 | 15.60 | 15.19 | 0.84 | 0.280 | 0.110 | 0.362 | 0.80 | 27426.396 | 226 | S |
| 5937 | 998 | 14986 | 5918 | 5.34574 | 5.345405 | 0.7280 | 16.02 | 16.52 | 16.31 | 0.50 | 0.260 | 0.146 | 0.417 | 0.51 | 23737.848 | 438 | S |
| 2714 | 574 | 15825 | 6066 | 5.34491 | 5.345658 | 0.7280 | 15.16 | 16.18 | 15.61 | 1.02 | 0.240 | 0.146 | 0.400 | 0.52 | 29229.404 | 394 | |
| 5976 | 1022 | 16107 | 5980 | 5.3553 | 5.355150 | 0.7288 | 15.49 | 16.46 | 16.01 | 0.97 | 0.270 | 0.101 | 0.376 | 0.80 | 23875.507 | 366 | |
| 2871 | 720 | 21054 | 15984 | ... | 5.363366 | 0.7294 | 14.76 | 16.22 | 15.57 | 1.46 | 0.240 | 0.110 | 0.360 | 0.30 | 16820.838 | 349 | |
| 12421 | 1288 | 3738 | 864 | 5.36466 | 5.364951 | 0.7296 | 15.51 | 16.67 | 16.22 | 1.16 | 0.290 | 0.161 | 0.411 | 0.31 | 12722.865 | 302 | |
| 2873 | 722 | 21255 | 15287 | ... | 5.380915 | 0.7309 | 15.22 | 16.68 | 16.07 | 1.46 | 0.310 | 0.108 | 0.398 | 0.30 | 26577.631 | 341 | |
| 2430 | 328 | 9728 | 8617 | 5.38445 | 5.383686 | 0.7311 | 14.41 | 15.43 | 14.94 | 1.02 | 0.270: | 0.111 | 0.401 | 0.51 | 23738.785 | 463 | |
| 2499 | 389 | 11999 | 7554 | 5.4080 | 5.407718 | 0.7330 | 15.16 | 15.97 | 15.51 | 0.81 | 0.240 | 0.121 | 0.411 | 0.80 | 16855.573 | 418 | |
| 2278* | 186 | 4786 | 5557 | ... | 5.415428 | 0.7336 | 14.58 | 15.66 | 15.17 | 1.08 | 0.300 | 0.108 | 0.418 | 0.31 | 27426.396 | 384 | |
| 2402 | 303 | 9011 | 8144 | 5.42935 | 5.429052 | 0.7347 | 15.04 | 16.43 | 15.86 | 1.39 | 0.235 | 0.097 | 0.390 | 0.51 | 27449.339 | 464 | |
| 2272 | 180 | 4520 | 5033 | 5.43124 | 5.430763 | 0.7349 | 15.31 | 16.50 | 15.88 | 1.19 | 0.240 | 0.107 | 0.461 | 0.31 | 26679.441 | 381 | |
| 12837 | 1618 | 16830 | -184 | ... | 5.447371 | 0.7362 | 14.91 | 16.11 | 15.44 | 1.20 | 0.200 | 0.103 | 0.419 | 0.00 | 30766.305 | 172 | |
| 12406 | 1274 | 1818 | 3600 | 5.46388 | 5.463884 | 0.7375 | 15.86 | 16.36 | 16.08 | 0.50 | 0.195 | 0.097 | 0.329 | 0.39 | 27799.286 | 201 | S;P? |
| 12459 | 1316 | 810 | 18690 | ... | 5.483809 | 0.7391 | 14.74 | 15.48 | 15.14 | 0.74 | 0.200 | 0.103 | 0.442 | 0.24 | 31849.344 | 293 | |
| 992 | 120 | 13876 | 6324 | 5.488 | 5.488053 | 0.7394 | 15.10 | 16.12 | 15.82 | 1.02 | 0.225 | 0.122 | 0.382 | 0.44 | 31304.630 | 467 | |
| 2489 | 381 | 11726 | 6726 | 5.49245 | 5.492259 | 0.7398 | 15.57 | 16.32 | 16.03 | 0.75 | 0.300 | 0.109 | 0.383 | 0.45 | 30647.582 | 444 | S;cr |
| 2484 | 376 | 11493 | 5200 | ... | 5.504730 | 0.7407 | 15.18 | 16.56 | 15.87 | 1.38 | 0.315* | 0.150 | 0.425 | 0.30 | 27747.424 | 420 | |
| 2869 | 719 | 21020 | 15698 | ... | 5.507133 | 0.7409 | 14.85 | 16.44 | 15.80 | 1.59 | 0.290 | 0.109 | 0.349 | 0.30 | 29220.400 | 357 | |
| 12011 | 1140 | 10263 | 7752 | 5.5066 | 5.507276 | 0.7409 | 15.79 | 16.57 | 16.27 | 0.78 | 0.225 | 0.095 | 0.420 | 0.45 | 26977.615 | 462 | |
| 2797 | 653 | 17706 | 16956 | ... | 5.545845 | 0.7440 | 15.57 | 16.76 | 16.26 | 1.46 | 0.220* | 0.111 | 0.431 | 0.30 | 27426.296 | 412 | |
| U 2 | 1724 | -852 | 6639 | 5.5 | 5.548693 | 0.7442 | 14.59 | 15.93 | 15.28 | 1.17 | 0.325 | 0.106 | 0.373 | 0.44 | 27776.524 | 298 | |
| 2448 | 342 | 10248 | 9274 | 5.57221 | 5.572210 | 0.7460 | 14.65 | 15.70 | 15.26 | 1.05 | 0.285 | 0.117 | 0.388 | 0.80 | 27799.378 | 460 | |
| 5729 | 884 | 9841 | 7400 | 5.57578 | 5.575376 | 0.7463 | 15.78 | 16.64 | 16.30 | 0.86 | 0.270 | 0.105 | 0.401 | 0.47 | 27807.443 | 450 | |
| 959 | 88 | 12494 | 7131 | 5.6003 | 5.601348 | 0.7483 | 14.87 | 15.79 | 15.37 | 0.92 | 0.345 | 0.116 | 0.343 | 0.80 | 23752.638 | 370 | |
| W 14 | 1732 | 3965 | 20194 | 5.605 | 5.606046 | 0.7487 | 15.48 | 16.54 | 16.04 | 1.05 | 0.285* | 0.143 | 0.410 | 0.19 | 30319.440 | 107 | |
| 12023 | 1147 | 11472 | 6996 | 5.62597 | 5.636476 | 0.7502 | 15.61 | 16.39 | 15.92 | 0.78 | 0.320 | 0.160 | 0.566 | 0.45 | 26264.557 | 387 | Sm;cr |
| 5962 | 1013 | 15742 | 1899 | ... | 5.652318 | 0.7522 | 15.37 | 16.63 | 15.98 | 1.26 | 0.240* | 0.129 | 0.469 | 0.12 | 29600.430 | 368 | |
| 2455 | 349 | 10432 | 7896 | 5.66855 | 5.668549 | 0.7535 | 15.41 | 16.00 | 15.82 | 0.59 | 0.345 | 0.154 | 0.455 | 0.45 | 23682.875 | 429 | |
| 2502 | 392 | 12013 | 6923 | 5.67292 | 5.673990 | 0.7539 | 15.36 | 16.43 | 15.96 | 1.07 | 0.230 | 0.084 | 0.392 | 0.80 | 23490.573 | 406 | |
| 2855 | 705 | 19956 | 15354 | ... | 5.678491 | 0.7542 | 15.17 | 16.30 | 15.75 | 1.13 | 0.275 | 0.119 | 0.431 | 0.25 | 26686.569 | 391 | |
| 2409 | 310 | 9175 | 10121 | 5.68537 | 5.685371 | 0.7548 | 15.30 | 16.28 | 15.85 | 0.98 | 0.315* | 0.144 | 0.466 | 0.80 | 26456.214 | 451 | |
| 2653 | 519 | 14545 | 1441 | ... | 5.698306 | 0.7557 | 14.23 | 15.86 | 15.24 | 1.53 | 0.320 | 0.115 | 0.400 | 0.12 | 31113.506 | 387 | |
| 12908 | 1649 | 18982 | 1184 | 5.69926 | 5.699272 | 0.7558 | 14.79 | 15.66 | 15.20 | 0.87 | 0.300 | 0.161 | 0.509 | 0.22 | 30751.330 | 66 | |
| 947 | 76 | 11623 | 6985 | 5.73184 | 5.731660 | 0.7583 | 13.74 | 15.04 | 14.53 | 1.30 | 0.210 | 0.089 | 0.359 | 0.45 | 26988.563 | 472 | |
| 2646 | 513 | 14452 | 6714 | 5.73720 | 5.737202 | 0.7587 | 15.11 | 16.43 | 15.78 | 1.32 | 0.260* | 0.141 | 0.497 | 0.80 | 24380.812 | 451 | S;cr |
| 12020 | 1144 | 11352 | 6996 | 5.7382 | 5.738189 | 0.7588 | 15.61 | 16.30 | 15.94 | 0.69 | 0.335 | 0.123 | 0.448 | 0.45 | 26565.613 | 417 | |
| 8037 | 1111 | 2493 | 2269 | 5.75888 | 5.758876 | 0.7603 | 14.75 | 15.80 | 15.34 | 0.95 | 0.230* | 0.116 | 0.367 | 0.33 | 27449.307 | 370 | Sm |
| 890 | 20 | 5327 | 9495 | 5.77721 | 5.777208 | 0.7617 | 14.50 | 15.02 | 14.77 | 0.52 | 0.225 | 0.085 | 0.401 | 0.80 | 26334.368 | 421 | Sm |
| 2349 | 252 | 7247 | 9448 | 5.7914 | 5.791394 | 0.7628 | 15.11 | 16.26 | 15.70 | 1.15 | 0.250* | 0.100 | 0.390 | 0.50 | 26689.546 | 420 | S;cc |
| 2305 | 213 | 5696 | 11874 | ... | 5.814021 | 0.7645 | 15.14 | 16.01 | 15.63 | 0.87 | 0.275 | 0.142 | 0.463 | 0.50 | 24637.498 | 447 | |
| 12560 | 1346 | 7494 | 5298 | ... | 5.829922 | 0.7657 | 15.95 | 16.56 | 16.30 | 0.61 | 0.340* | 0.168 | 0.445 | 0.50 | 31674.746 | 389 | S;cc |
| 12067 | 1178 | 20382 | 8442 | 5.845526 | 5.845878 | 0.7669 | 14.97 | 16.15 | 15.63 | 1.18 | 0.260 | 0.102 | 0.419 | 0.28 | 27456.309 | 439 | |
| 954 | 83 | 12012 | 6827 | 5.85 | 5.852807 | 0.7674 | 14.11 | 14.46 | 14.27 | 0.35 | 0.440 | 0.232 | 0.510 | 0.80 | 28157.556 | 467 | S;cr |
| 965 | 94 | 12760 | 7155 | 5.88311 | 5.883089 | 0.7696 | 14.43 | 15.62 | 15.14 | 1.19 | 0.255 | 0.115 | 0.401 | 0.80 | 27457.535 | 441 | |
| 12536 | 1376 | 4728 | 13164 | ... | 5.917842 | 0.7722 | 15.19 | 16.29 | 15.79 | 1.10 | 0.265* | 0.104 | 0.377 | 0.30 | 27800.320 | 422 | |
| 12473 | 1326 | 1218 | 8910 | ... | 5.920348 | 0.7723 | 15.01 | 16.63 | 15.82 | 1.62 | 0.235* | 0.083 | 0.334 | 0.47 | 31682.637 | 177 | |
| 2514 | 403 | 12232 | 7240 | 5.9378 | 5.936697 | 0.7735 | 14.57 | 15.88 | 15.26 | 1.31 | 0.300 | 0.122 | 0.412 | 0.80 | 29904.563 | 437 | |
| 2589 | 468 | 13605 | 7122 | 5.93803 | 5.938390 | 0.7737 | 15.20 | 16.07 | 15.54 | 0.87 | 0.295* | 0.126 | 0.522 | 0.80 | 26452.220 | 447 | |
| 2727 | 587 | 16099 | 6655 | 5.94997 | 5.949936 | 0.7745 | 14.84 | 15.49 | 15.24 | 0.65 | 0.235 | 0.085 | 0.384 | 0.80 | 27756.442 | 439 | SM |
| 2515 | 404 | 12249 | 7203 | 5.9137 | 5.975380 | 0.7764 | 15.30 | 16.08 | 15.77 | 0.78 | 0.240 | 0.100 | 0.379 | 0.80 | 29586.418 | 420 | |
| 2619 | 492 | 14104 | 6965 | 5.97746 | 5.977182 | 0.7765 | 14.03 | 15.64 | 14.99 | 1.61 | 0.280 | 0.126 | 0.410 | 0.80 | 29202.385 | 467 | Sm;cr |
| 2606 | 482 | 13916 | 7282 | 5.99272 | 5.992489 | 0.7776 | 14.77 | 16.41 | 15.75 | 1.64 | 0.270 | 0.112 | 0.372 | 0.80 | 32011.649 | 439 | |
| 950 | 79 | 11869 | 7304 | 6.0215 | 6.02148 | 0.7797 | 14.45 | 15.25 | 14.86 | 0.80 | 0.275* | 0.136 | 0.479 | 0.80 | 32070.603 | 453 | |
| 5826 | 939 | 12298 | 6934 | 6.05624 | 6.05511 | 0.7821 | 15.44 | 16.34 | 16.01 | 0.90 | 0.300* | 0.119 | 0.309 | 0.80 | 24501.614 | 328 | |
| 2729 | 589 | 16144 | 4696 | 6.133577 | 6.13358 | 0.7877 | 15.28 | 16.20 | 15.72 | 0.92 | 0.290 | 0.170 | 0.404 | 0.80 | 29217.448 | 387 | |
| 5954 | 1009 | 15461 | 8160 | 6.13595 | 6.13509 | 0.7879 | 15.95 | 16.28 | 16.11 | 0.33 | 0.285 | 0.150 | 0.415 | 0.49 | 31703.591 | 448 | |
| 922 | 51 | 9286 | 8398 | 6.16603 | 6.16587 | 0.7900 | 14.70 | 15.86 | 15.34 | 1.16 | 0.255 | 0.105 | 0.404 | 0.51 | 27746.482 | 453 | |
| 12651 | 1467 | 18504 | 19824 | ... | 6.19179 | 0.7918 | 14.78 | 15.96 | 15.35 | 1.18 | 0.300* | 0.141 | 0.431 | 0.05 | 30314.493 | 119 | |
| 2711 | 571 | 15761 | 2650 | ... | 6.21845 | 0.7937 | 15.16 | 16.51 | 15.88 | 1.35 | 0.285* | 0.125 | 0.443 | 0.30 | 30318.498 | 426 | |
| 2588 | 467 | 13554 | 8985 | ... | 6.22719 | 0.7943 | 15.16 | 15.71 | 15.48 | 0.55 | 0.330 | 0.135 | 0.388 | 0.47 | 32940.413 | 454 | |
| 2842 | 692 | 19106 | 3849 | ... | 6.29903 | 0.7993 | 15.22 | 16.45 | 15.90 | 1.23 | 0.300 | 0.100 | 0.404 | 0.30 | 24056.833 | 393 | |
| 2521 | 410 | 12354 | 8353 | ... | 6.31082 | 0.8001 | 15.96 | 16.36 | 16.12 | 0.40 | 0.421 | 0.200 | 0.431 | 0.47 | 24408.850 | 431 | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. | |
|-------|------|--------|--------|-----------------------|-----------------------|--------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|------------------|-----------|---------|--------|
| 2470 | 363 | 11084" | 10714" | ... | 6. ^d 31646 | 0.8005 | 15. ^m 25 | 16. ^m 01 | 15. ^m 71 | 0. ^m 76 | 0. ^p 270 | 0. ^p 130 | 0. ^p 474 | 0. ^m 47 | 29204.484 | 450 | | |
| 2773 | 629 | 17137 | 10945 | 6. ^d 39005 | 6.34938 | 0.8027 | 15.40 | 16.19 | 15.85 | 0.79 | 0.270 | 0.109 | 0.428 | 0.40 | 29222.409 | 490 | | |
| 2853 | 703 | 19772 | 13759 | ... | 6.35561 | 0.8032 | 15.05 | 16.07 | 15.59 | 1.02 | 0.260 | 0.148 | 0.448 | 0.30 | 13946.555 | 406 | S | |
| 2536 | 422 | 12649 | 12369 | 6.37075 | 6.37052 | 0.8042 | 14.17 | 15.44 | 14.78 | 1.27 | 0.330 | 0.126 | 0.473 | 0.50 | 29956.396 | 499 | | |
| 991* | 119 | 13901 | 6746 | ... | 6.38248 | 0.8050 | 15.27 | 15.75 | 15.56 | 0.48 | 0.325 | 0.124 | 0.409 | 0.80 | 13951.594 | 450 | S:cr | |
| 939 | 68 | 10865 | 7275 | 6.39006 | 6.39006 | 0.8055 | 14.00 | 15.26 | 14.73 | 1.26 | 0.240 | 0.100 | 0.397 | 0.45 | 14391.543 | 453 | | |
| 12064 | 1175 | 19488 | 6576 | 6.423515 | 6.39454 | 0.8058 | 15.07 | 16.05 | 15.74 | 0.98 | 0.320 | 0.183 | 0.419 | 0.30 | 26414.287 | 402 | | |
| 5825 | 938 | 12319 | 7127 | 6.40660 | 6.40589 | 0.8066 | 15.19 | 15.88 | 15.57 | 0.69 | 0.340 | 0.078 | 0.452 | 0.80 | 32058.600 | 411 | S:cr:cc | |
| 2468 | 361 | 10967 | 7204 | 6.41577 | 6.41545 | 0.8072 | 14.09 | 15.35 | 14.75 | 1.26 | 0.255* | 0.680 | 0.108 | 0.367 | 0.45 | 27800.472 | 448 | |
| 12009 | 1138 | 10140 | 7848 | 6.4574 | 6.45834 | 0.8101 | 15.45 | 16.43 | 16.09 | 0.98 | 0.225* | 0.690 | 0.136 | 0.469 | 0.45 | 28759.614 | 448 | |
| 937 | 66 | 10728 | 6411 | ... | 6.48147 | 0.8117 | 14.39 | 16.23 | 15.38 | 1.84 | 0.225* | 0.585 | 0.096 | 0.500 | 0.45 | 31314.617 | 421 | |
| 2801 | 656 | 17807 | 16574 | ... | 6.50911 | 0.8135 | 14.56 | 15.67 | 15.11 | 1.14 | 0.245 | 0.095 | 0.407 | 0.06 | 26421.249 | 429 | | |
| 2574 | 453 | 13314 | 7106 | 6.51737 | 6.51738 | 0.8141 | 15.03 | 16.17 | 15.58 | 1.14 | 0.250 | 0.123 | 0.421 | 0.80 | 29160.614 | 454 | | |
| 2685 | 547 | 15232 | 11364 | 6.5415 | 6.54151 | 0.8157 | 14.57 | 15.88 | 15.13 | 1.31 | 0.280 | 0.116 | 0.500 | 0.38 | 27426.555 | 456 | | |
| 2686 | 548 | 15257 | 13464 | 6.56392 | 6.56465 | 0.8172 | 15.22 | 16.51 | 16.01 | 1.29 | 0.235 | 0.093 | 0.407 | 0.50 | 29224.395 | 447 | | |
| 12905 | 1647 | 12242 | 10790 | 6.603415 | 6.60297 | 0.8197 | 15.98 | 16.55 | 16.29 | 0.57 | 0.290 | 0.166 | 0.422 | 0.46 | 26323.337 | 322 | | |
| 2790 | 646 | 17381 | 9560 | 6.60615 | 6.60643 | 0.8200 | 15.52 | 16.25 | 15.91 | 0.73 | 0.270 | 0.130 | 0.385 | 0.47 | 32011.649 | 353 | | |
| 2766 | 623 | 16889 | 5367 | 6.61284 | 6.61291 | 0.8204 | 15.45 | 16.19 | 15.75 | 0.74 | 0.410* | 0.700 | 0.180 | 0.485 | 0.80 | 31107.535 | 400 | S |
| 2513 | 402 | 12219 | 7156 | 6.62006 | 6.62006 | 0.8209 | 15.25 | 15.96 | 15.65 | 0.71 | 0.275* | 0.630 | 0.120 | 0.396 | 0.80 | 16820.747 | 434 | S:M:cr |
| 944 | 73 | 11280 | 7922 | 6.632663 | 6.63266 | 0.8217 | 14.38 | 15.69 | 15.30 | 1.31 | 0.270* | 0.660 | 0.120 | 0.440 | 0.80 | 29526.596 | 461 | |
| 2358 | 261 | 7584 | 11484 | 6.67690 | 6.67673 | 0.8246 | 15.04 | 16.19 | 15.61 | 1.15 | 0.300* | 0.630 | 0.136 | 0.520 | 0.49 | 25849.645 | 436 | |
| 12988 | 1673 | 12216 | 20960 | ... | 6.69537 | 0.8258 | 14.40 | 16.62 | 15.05 | 1.22 | 0.340* | 0.720: | 0.139 | 0.369 | 0.50 | 30750.278 | 167 | |
| 2438 | 334 | 9900 | 8604 | 6.734 | 6.73414 | 0.8283 | 14.87 | 16.28 | 15.67 | 1.41 | 0.255* | 0.640 | 0.127 | 0.389 | 0.51 | 30725.518 | 458 | |
| 2523 | 412 | 12423 | 2504 | ... | 6.78367 | 0.8315 | 15.44 | 16.12 | 15.79 | 0.68 | 0.400 | 0.170 | 0.430 | 0.00 | 30767.266 | 431 | | |
| 12037 | 1157 | 12300 | 6900 | 6.80930 | 6.80941 | 0.8330 | 15.66 | 16.27 | 15.96 | 0.61 | 0.350 | 0.218 | 0.428 | 0.80 | 27457.349 | 434 | S:P? | |
| 2520 | 409 | 12353 | 7166 | 6.81236 | 6.81355 | 0.8334 | 14.82 | 15.90 | 15.38 | 1.08 | 0.330* | 0.568 | 0.159 | 0.480 | 0.80 | 26577.631 | 447 | |
| 12797 | 1586 | 11731 | -669 | ... | 6.82134 | 0.8339 | 14.45 | 15.41 | 14.95 | 0.97 | 0.310* | 0.590 | 0.180 | 0.518 | 0.11 | 31710.605 | 212 | |
| 2392 | 293 | 8727 | 8306 | 6.83358 | 6.83298 | 0.8346 | 14.71 | 15.66 | 15.14 | 0.95 | 0.315* | 0.685: | 0.135 | 0.452 | 0.51 | 23465.597 | 464 | |
| 6065 | 1077 | 20281 | 7545 | 6.80036 | 6.83803 | 0.8349 | 15.44 | 15.81 | 15.62 | 0.37 | 0.370 | 0.170 | 0.470 | 0.33 | 29519.613 | 413 | | |
| 13048 | 1722 | 21014 | 16682 | ... | 6.85307 | 0.8359 | 15.19 | 16.34 | 15.87 | 1.35 | 0.240* | 0.560 | 0.170 | 0.511 | 0.24 | 29926.449 | 380 | |
| 2337 | 242 | 6786 | 13404 | 6.86365 | 6.86365 | 0.8366 | 14.64 | 16.28 | 15.48 | 1.64 | 0.225* | 0.575 | 0.106 | 0.514 | 0.30 | 32069.566 | 431 | |
| 914 | 43 | 8137 | 9668 | 6.8795 | 6.87862 | 0.8375 | 14.80 | 16.44 | 15.51 | 1.64 | 0.280 | 0.130 | 0.511 | 0.51 | 26628.518 | 470 | | |
| 2279 | 187 | 4805 | 10840 | ... | 6.89496 | 0.8385 | 14.81 | 15.92 | 15.48 | 1.11 | 0.285* | 0.670 | 0.124 | 0.446 | 0.50 | 33160.623 | 513 | |
| 2405 | 306 | 9129 | 3906 | ... | 6.92374 | 0.8403 | 15.61 | 16.37 | 15.97 | 0.76 | 0.370* | 0.560 | 0.148 | 0.396 | 0.39 | 27799.446 | 413 | S |
| 2694 | 554 | 15435 | 7976 | 6.9363 | 6.93623 | 0.8411 | 14.15 | 15.73 | 15.02 | 1.58 | 0.310* | 0.630 | 0.125 | 0.505 | 0.52 | 26453.220 | 454 | |
| 12079 | 1187 | 23736 | 11274 | 6.937026 | 6.93638 | 0.8411 | 14.79 | 15.85 | 15.26 | 1.06 | 0.305* | 0.795: | 0.131 | 0.516 | 0.00 | 25595.302 | 168 | |
| 12531 | 1371 | 4653 | 7247 | ... | 6.95475 | 0.8423 | 14.83 | 15.60 | 15.32 | 0.77 | 0.265* | 0.530 | 0.164 | 0.511 | 0.30 | 24084.690 | 415 | |
| 2628 | 499 | 14225 | 4933 | ... | 6.97704 | 0.8437 | 14.74 | 15.51 | 15.14 | 0.77 | 0.270* | 0.580 | 0.122 | 0.536 | 0.51 | 23907.499 | 426 | |
| 2382 | 285 | 8554 | 19684 | ... | 7.02382 | 0.8466 | 15.24 | 16.29 | 15.75 | 1.05 | 0.280* | 0.595 | 0.142 | 0.547 | 0.19 | 30373.325 | 443 | |
| 12428 | 1295 | 4560 | 870 | 7.06579 | 7.06419 | 0.8491 | 13.93 | 15.35 | 14.76 | 1.32 | 0.260* | 0.535 | 0.114 | 0.570 | 0.30 | 14639.708 | 317 | |
| 935 | 64 | 10464 | 13524 | 7.0674 | 7.06714 | 0.8492 | 13.92 | 14.81 | 14.37 | 0.89 | 0.265* | 0.640 | 0.156 | 0.442 | 0.50 | 27310.577 | 498 | |
| 919 | 48 | 9110 | 6044 | ... | 7.06897 | 0.8494 | 14.56 | 15.80 | 15.23 | 1.24 | 0.240* | 0.560 | 0.111 | 0.501 | 0.47 | 27746.482 | 443 | |
| 12049 | 1165 | 12870 | 7092 | 7.07058 | 7.07059 | 0.8495 | 15.25 | 15.94 | 15.55 | 0.69 | 0.320* | 0.650 | 0.147 | 0.516 | 0.80 | 23527.510 | 427 | |
| 2491 | 383 | 11756 | 13724 | 7.1327 | 7.13282 | 0.8533 | 14.81 | 15.78 | 15.25 | 0.97 | 0.310* | 0.560 | 0.149 | 0.513 | 0.37 | 24821.605 | 507 | |
| 12727 | 1531 | -569 | 13948 | ... | 7.15863 | 0.8548 | 14.41 | 15.69 | 14.99 | 1.28 | 0.290 | 0.152 | 0.454 | 0.00 | 25567.486 | 285 | | |
| 2542 | 427 | 12775 | 6336 | 7.17067 | 7.17101 | 0.8556 | 14.87 | 16.14 | 15.37 | 1.27 | 0.310 | 0.130 | 0.463 | 0.44 | 29584.400 | 429 | | |
| 2517 | 406 | 12300 | 7083 | 7.1829 | 7.18217 | 0.8563 | 14.62 | 15.69 | 15.12 | 1.07 | 0.300* | 0.545 | 0.150 | 0.469 | 0.80 | 27799.286 | 454 | |
| 2752 | 611 | 16685 | 6433 | 7.1943 | 7.19430 | 0.8570 | 16.02 | 17.06 | 16.58 | 1.04 | 0.215* | 0.590 | 0.104 | 0.536 | 0.80 | 29703.248 | 400 | |
| 1000 | 127 | 15147 | 13894 | 7.22643 | 7.22448 | 0.8588 | 14.61 | 15.68 | 15.07 | 1.07 | 0.245* | 0.575 | 0.097 | 0.498 | 0.30 | 27807.399 | 465 | |
| 2568 | 448 | 13233 | 7076 | 7.22804 | 7.22747 | 0.8590 | 15.29 | 16.24 | 15.76 | 0.95 | 0.305* | 0.640 | 0.133 | 0.536 | 0.80 | 30585.640 | 462 | |
| 920 | 49 | 9092 | 9179 | 7.2902 | 7.28971 | 0.8627 | 15.13 | 16.22 | 15.71 | 1.09 | 0.310* | 0.590 | 0.160 | 0.551 | 0.51 | 26635.562 | 440 | S |
| 12040 | 1158 | 12486 | 7200 | 7.29581 | 7.29482 | 0.8630 | 15.06 | 15.72 | 15.28 | 0.66 | 0.320* | 0.595 | 0.150 | 0.520 | 0.80 | 16855.573 | 410 | |
| 12586 | 1418 | 11640 | 4680 | ... | 7.30776 | 0.8638 | 15.26 | 15.99 | 15.62 | 0.73 | 0.375* | 0.680: | 0.135 | 0.430 | 0.30 | 30057.321 | 495 | S:cc |
| 2552 | 436 | 12957 | 7006 | 7.31764 | 7.31881 | 0.8644 | 14.45 | 16.03 | 15.25 | 1.58 | 0.335 | 0.160 | 0.550 | 0.80 | 31704.596 | 455 | | |
| 6032 | 1059 | 18280 | 16202 | ... | 7.35514 | 0.8666 | 15.23 | 15.76 | 15.49 | 0.53 | 0.275* | 0.510 | 0.124 | 0.432 | 0.17 | 27426.396 | 419 | |
| 2386 | 288 | 8605 | 4826 | ... | 7.36914 | 0.8674 | 15.01 | 16.37 | 15.73 | 1.36 | 0.305* | 0.540 | 0.132 | 0.507 | 0.42 | 30639.590 | 423 | |
| 2341 | 246 | 6959 | 19037 | ... | 7.37116 | 0.8675 | 14.97 | 16.23 | 15.55 | 1.26 | 0.240* | 0.540 | 0.130 | 0.522 | 0.28 | 28759.565 | 151 | |
| 2309 | 217 | 5763 | 10374 | 7.3943 | 7.39432 | 0.8689 | 14.86 | 15.91 | 15.41 | 1.05 | 0.305* | 0.625 | 0.143 | 0.525 | 0.80 | 31326.593 | 432 | |
| 2235 | 150 | 617 | 17776 | ... | 7.39830 | 0.8691 | 14.75 | 16.19 | 15.34 | 1.44 | 0.255* | 0.565 | 0.111 | 0.457 | 0.29 | 26312.385 | 362 | |
| 974 | 103 | 13047 | 7347 | 7.4427 | 7.44186 | 0.8717 | 14.30 | 15.36 | 14.81 | 1.06 | 0.295* | 0.545 | 0.135 | 0.502 | 0.80 | 27808.402 | 482 | |
| 12433 | 1300 | 5412 | 1296 | 7.48923 | 7.48925 | 0.8744 | 15.22 | 16.27 | 15.63 | 1.05 | 0.300* | 0.495 | 0.147 | 0.514 | 0.30 | 32035.634 | 321 | |
| 972 | 101 | 12944 | 7146 | 7.49603 | 7.49448 | 0.8747 | 14.35 | 15.71 | 14.95 | 1.36 | 0.270 | 0.118 | 0.518 | 0.80 | 17590.584 | 459 | | |
| 12742 | 1542 | 4743 | -219 | ... | 7.49827 | 0.8750 | 15.00 | 16.09 | 15.62 | 1.09 | 0.300 | 0.128 | 0.437 | 0.00 | 28104.339 | 324 | | |
| 1012 | 139 | 16327 | 4254 | ... | 7.52015 | 0.8762 | 14.79 | 15.90 | 15.29 | 1.11 | 0.260* | 0.545 | 0.128 | 0.489 | 0.80 | 26412.253 | 387 | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m ₀) | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. | |
|-------|------|-------|-------|----------------------|-----------------------|--------|---------------------|---------------------|---------------------|--------------------|--------|--------|-------|-------|--------------------|-----------|------|-------|
| 927 | 56 | 9514" | 8933" | 7. ^d 5282 | 7. ^d 52774 | 0.8767 | 15. ^d 44 | 14. ^d 36 | 15. ^d 81 | 1. ^d 45 | 0.320* | 0.620 | 0.156 | 0.553 | 0. ^d 51 | 13954.583 | 457 | |
| 2603 | 480 | 13910 | 7530 | 7.55024 | 7.55159 | 0.8780 | 14.21 | 15.76 | 15.08 | 1.55 | 0.290* | 0.610 | 0.110 | 0.479 | 0.80 | 13951.594 | 473 | |
| 2686 | 718 | 21004 | 8097 | 7.64012 | 7.64012 | 0.8831 | 14.85 | 15.72 | 15.29 | 0.87 | 0.290* | 0.520 | 0.110 | 0.450 | 0.28 | 29158.613 | 393 | |
| 2307 | 215 | 5735 | 8907 | 7.7059 | 7.70501 | 0.8868 | 13.53 | 14.92 | 14.35 | 1.39 | 0.285 | | 0.093 | 0.493 | 0.80 | 26330.340 | 420 | |
| 960 | 89 | 12553 | 8062 | ... | 7.75337 | 0.8895 | 14.46 | 14.92 | 15.15 | 1.30 | 0.285* | 0.570 | 0.095 | 0.481 | 0.47 | 26605.624 | 470 | |
| 2497 | 387 | 11980 | 8015 | 7.7730 | 7.77250 | 0.8905 | 13.20 | 15.07 | 14.18 | 1.87 | 0.220* | 0.540 | 0.091 | 0.491 | 0.80 | 24439.798 | 474 | |
| 12751 | 1549 | 6601 | -622 | ... | 7.83125 | 0.8938 | 14.53 | 16.03 | 15.27 | 1.50 | 0.295* | 0.580 | 0.107 | 0.482 | 0.28 | 32040.574 | 327 | |
| 2295 | 203 | 5174 | 10195 | 7.8444 | 7.84554 | 0.8946 | 15.12 | 15.64 | 15.37 | 0.52 | 0.370* | 0.645 | 0.155 | 0.496 | 0.80 | 26444.225 | 451 | S:M |
| 12976 | 1664 | -864 | 6756 | ... | 7.84621 | 0.8947 | 14.63 | 15.83 | 15.24 | 1.20 | 0.260* | 0.485 | 0.095 | 0.431 | 0.44 | 31682.546 | 315 | SM |
| 2400 | 301 | 8973 | 8710 | 7.88041 | 7.88132 | 0.8966 | 14.99 | 16.09 | 15.45 | 1.10 | 0.310* | 0.575 | 0.159 | 0.529 | 0.51 | 25997.359 | 458 | |
| 5730 | 885 | 9864 | 15757 | ... | 7.89462 | 0.8973 | 15.70 | 16.41 | 15.96 | 0.71 | 0.300 | | 0.116 | 0.556 | 0.40 | 31109.493 | 422 | Sm |
| 2335 | 241 | 6763 | 12477 | 7.9282 | 7.92690 | 0.8991 | 15.27 | 16.40 | 15.87 | 1.13 | 0.300* | 0.460 | 0.159 | 0.502 | 0.47 | 13948.574 | 450 | |
| 1014 | 141 | 16487 | 5364 | 7.959287 | 7.96219 | 0.9010 | 14.00 | 15.32 | 14.49 | 1.32 | 0.400 | | 0.189 | 0.470 | 0.80 | 27426.363 | 419 | |
| 917* | 46 | 8980 | 9281 | 7.97722 | 7.97754 | 0.9019 | 15.00 | 16.09 | 15.45 | 1.09 | 0.300 | | 0.130 | 0.545 | 0.51 | 23740.790 | 446 | |
| 6104 | 1103 | 10220 | 20687 | ... | 7.98940 | 0.9025 | 14.48 | 15.56 | 15.01 | 1.04 | 0.380* | 0.640 | 0.075 | 0.449 | 0.06 | 16820.838 | 245 | |
| 12581 | 1414 | 10986 | 19050 | ... | 8.01920 | 0.9041 | 14.83 | 15.56 | 15.14 | 0.73 | 0.300* | 0.495 | 0.120 | 0.494 | 0.10 | 27749.409 | 388 | |
| 2722 | 582 | 16008 | 18894 | 8.02652 | 8.02653 | 0.9045 | 13.87 | 15.12 | 14.52 | 1.25 | 0.330* | 0.630 | 0.116 | 0.511 | 0.00 | 23752.638 | 406 | |
| 968 | 97 | 12786 | 7184 | 8.07161 | 8.07387 | 0.9071 | 14.31 | 15.69 | 14.97 | 1.38 | 0.300* | 0.520 | 0.113 | 0.452 | 0.80 | 26710.335 | 423 | |
| 12805 | 1591 | 12481 | 24158 | ... | 8.07585 | 0.9072 | 15.10 | 16.24 | 15.60 | 1.14 | 0.330* | 0.600 | 0.128 | 0.513 | 0.00 | 28157.507 | 310 | |
| 12807 | 1593 | 12638 | 24630 | ... | 8.07678 | 0.9072 | 15.05 | 16.35 | 15.66 | 1.30 | 0.320* | 0.590 | 0.103 | 0.492 | 0.00 | 29690.297 | 304 | |
| 2884 | 733 | 4272 | 22104 | 8.13 | 8.12659 | 0.9099 | 14.61 | 15.69 | 15.04 | 1.08 | 0.315* | 0.590 | 0.110 | 0.440 | 0.00 | 29229.319 | 105 | |
| 12700 | 1511 | 23166 | 14742 | ... | 8.15255 | 0.9113 | 15.38 | 16.18 | 15.72 | 0.80 | 0.315* | 0.480 | 0.107 | 0.442 | 0.30 | 26713.474 | 340 | S |
| 2426 | 325 | 9676 | 8874 | 8.17093 | 8.17178 | 0.9123 | 13.47 | 15.03 | 14.01 | 1.56 | 0.250* | 0.555 | 0.125 | 0.537 | 0.51 | 31740.447 | 462 | |
| 908 | 37 | 7186 | 9985 | 8.1886 | 8.18860 | 0.9132 | 14.87 | 16.05 | 15.53 | 1.18 | 0.305* | 0.600 | 0.125 | 0.505 | 0.50 | 26328.446 | 451 | |
| 2367 | 270 | 7923 | 10464 | 8.2115 | 8.21180 | 0.9144 | 14.65 | 15.92 | 15.13 | 1.27 | 0.300* | 0.575 | 0.110 | 0.501 | 0.80 | 30318.554 | 217 | |
| 2748 | 607 | 16637 | 5177 | 8.276912 | 8.27691 | 0.9179 | 15.03 | 16.13 | 15.55 | 1.10 | 0.330* | 0.630 | 0.159 | 0.500 | 0.55 | 31108.358 | 400 | |
| 2877 | 726 | 21881 | 12474 | ... | 8.28142 | 0.9181 | 14.83 | 16.23 | 15.57 | 1.40 | 0.290* | 0.515 | 0.120 | 0.475 | 0.35 | 16820.651 | 399 | |
| 12823 | 1604 | 13905 | 194 | ... | 8.30194 | 0.9192 | 15.03 | 16.31 | -15.56 | 1.28 | 0.265* | 0.545 | 0.092 | 0.477 | 0.12 | 31712.620 | 140 | |
| 2738 | 597 | 16352 | 18817 | 8.3285 | 8.32713 | 0.9205 | 14.78 | 15.86 | 15.22 | 1.08 | 0.250* | 0.510 | 0.122 | 0.500 | 0.00 | 16820.651 | 400 | |
| 2705 | 565 | 15634 | 16522 | 8.382 | 8.33789 | 0.9211 | 14.70 | 15.49 | 15.11 | 0.79 | 0.290* | 0.585 | 0.142 | 0.499 | 0.00 | 30585.640 | 437 | |
| 12218 | 1218 | 852 | 19059 | 8.340 | 8.33995 | 0.9212 | 15.76 | 16.36 | 15.99 | 0.60 | 0.310* | 0.455 | 0.109 | 0.506 | 0.46 | 28408.592 | 296 | |
| 2300 | 205 | 5385 | 9418 | 8.36407 | 8.36407 | 0.9224 | 15.67 | 16.57 | 16.13 | 0.90 | 0.325* | 0.515 | 0.175 | 0.500 | 0.80 | 28078.413 | 399 | |
| 2267 | 177 | 4426 | 2223 | 8.37485 | 8.37364 | 0.9229 | 14.66 | 16.02 | 15.04 | 1.36 | 0.250* | 0.585 | 0.135 | 0.538 | 0.33 | 32878.323 | 326 | S |
| 2442 | 336 | 9917 | 7384 | 8.45730 | 8.46017 | 0.9274 | 14.78 | 16.00 | 15.38 | 1.22 | 0.290* | 0.460 | 0.099 | 0.411 | 0.47 | 16816.644 | 474 | SM |
| 12806 | 1592 | 12405 | -593 | ... | 8.59011 | 0.9340 | 14.85 | 16.00 | 15.33 | 1.15 | 0.250* | 0.475 | 0.091 | 0.472 | 0.00 | 30325.449 | 219 | |
| 12566 | 1400 | 8520 | 19440 | ... | 8.61039 | 0.9350 | 15.31 | 15.87 | 15.52 | 0.56 | 0.465 | | 0.294 | 0.543 | 0.19 | 24380.812 | 459 | |
| 2854 | 704 | 19946 | 17415 | ... | 8.63489 | 0.9360 | 14.38 | 15.27 | 14.82 | 0.89 | 0.290* | 0.460 | 0.140 | 0.482 | 0.17 | 14254.733 | 399 | |
| 2680 | 543 | 15140 | 16095 | 8.66934 | 8.66934 | 0.9380 | 14.74 | 15.67 | 15.22 | 0.93 | 0.320* | 0.530 | 0.116 | 0.456 | 0.00 | 27426.329 | 439 | |
| 2414 | 315 | 9269 | 8164 | 8.6753 | 8.67284 | 0.9382 | 14.58 | 15.69 | 14.96 | 1.11 | 0.305 | | 0.146 | 0.468 | 0.51 | 24802.831 | 461 | |
| 2466 | 360 | 10726 | 8321 | 8.69301 | 8.69231 | 0.9391 | 15.04 | 15.76 | 15.35 | 0.72 | 0.280 | 0.490* | 0.128 | 0.466 | 0.80 | 16820.651 | 472 | Sm;cr |
| 896* | 26 | 5924 | 11960 | ... | 8.71269 | 0.9402 | 15.04 | 15.91 | 15.40 | 0.87 | 0.350* | 0.615 | 0.148 | 0.459 | 0.50 | 14252.815 | 357 | S |
| 2733 | 592 | 16274 | 18366 | ... | 8.72158 | 0.9406 | 14.66 | 15.11 | 14.83 | 0.45 | 0.280* | 0.490 | 0.107 | 0.500 | 0.00 | 29199.447 | 405 | |
| 2461 | 355 | 10534 | 19822 | ... | 8.73187 | 0.9411 | 14.22 | 15.17 | 14.80 | 0.95 | 0.290 | 0.500* | 0.142 | 0.579 | 0.10 | 25926.526 | 382 | |
| 12452 | 1312 | 606 | 7824 | ... | 8.73611 | 0.9413 | 14.44 | 15.57 | 14.99 | 1.13 | 0.265* | 0.555 | 0.085 | 0.454 | 0.40 | 31055.563 | 316 | |
| 913 | 42 | 7849 | 9607 | 8.7712 | 8.77085 | 0.9430 | 14.24 | 15.53 | 14.77 | 1.29 | 0.345* | 0.565 | 0.106 | 0.420 | 0.50 | 27457.502 | 475 | |
| 5513 | 749 | 3296 | 9472 | ... | 8.83057 | 0.9460 | 14.88 | 15.83 | 15.42 | 0.95 | 0.270* | 0.430 | 0.135 | 0.476 | 0.41 | 31321.627 | 262 | |
| 12717 | 1523 | -1224 | 7989 | ... | 8.84285 | 0.9466 | 14.83 | 16.47 | 15.86 | 1.64 | 0.315* | 0.540 | 0.105 | 0.438 | 0.44 | 27681.594 | 306 | |
| 2332 | 238 | 6544 | 12906 | ... | 8.89912 | 0.9493 | 14.85 | 15.86 | 15.30 | 1.01 | 0.260* | 0.495 | 0.087 | 0.436 | 0.47 | 28758.570 | 436 | |
| 12589 | 1420 | 11718 | 19602 | ... | 8.92879 | 0.9508 | 15.09 | 15.97 | 15.42 | 0.88 | 0.315* | 0.541 | 0.155 | 0.502 | 0.10 | 29205.575 | 388 | |
| 2420 | 319 | 9444 | 18704 | ... | 9.03465 | 0.9559 | 15.11 | 16.10 | 15.57 | 0.99 | 0.250 | 0.500* | 0.088 | 0.528 | 0.19 | 13847.841 | 391 | |
| 5543 | 767 | 4794 | 15560 | ... | 9.04748 | 0.9565 | 14.92 | 15.63 | 15.25 | 0.71 | 0.380 | | 0.154 | 0.483 | 0.37 | 31524.315 | 570 | |
| 2297 | 205 | 5198 | 11354 | 9.05149 | 9.05220 | 0.9568 | 14.85 | 16.12 | 15.37 | 1.28 | 0.260* | 0.555 | 0.109 | 0.500 | 0.50 | 32888.332 | 384 | |
| 12816 | 1599 | 13754 | 21606 | ... | 9.10768 | 0.9594 | 14.33 | 15.31 | 14.79 | 0.98 | 0.400 | | 0.217 | 0.471 | 0.02 | 13901.765 | 344 | Sm |
| 12829 | 1610 | 14542 | -162 | ... | 9.26674 | 0.9669 | 14.69 | 16.15 | 15.33 | 1.46 | 0.300* | 0.505 | 0.105 | 0.504 | 0.00 | 29956.560 | 141 | |
| 971 | 100 | 13054 | 17255 | 9.29619 | 9.29696 | 0.9683 | 14.49 | 15.28 | 14.91 | 0.79 | 0.275* | 0.550 | 0.125 | 0.504 | 0.00 | 12697.847 | 430 | |
| 5658 | 826 | 8070 | 8660 | 9.302 | 9.30198 | 0.9686 | 15.11 | 15.91 | 15.46 | 0.80 | 0.340 | 0.475* | 0.118 | 0.440 | 0.50 | 27426.396 | 394 | |
| 2510 | 399 | 12161 | 12418 | ... | 9.39007 | 0.9727 | 14.71 | 15.96 | 15.21 | 1.25 | 0.390* | 0.685 | 0.234 | 0.555 | 0.50 | 28082.610 | 508 | |
| 2301 | 209 | 5524 | 3202 | 9.49767 | 9.49895 | 0.9777 | 14.52 | 15.19 | 14.82 | 0.67 | 0.300* | 0.470 | 0.111 | 0.422 | 0.33 | 14639.708 | 335 | |
| 2248 | 162 | 2794 | 6642 | ... | 9.52768 | 0.9790 | 14.22 | 14.97 | 14.59 | 0.75 | 0.400 | | 0.158 | 0.427 | 0.38 | 13948.574 | 419 | |
| 952 | 81 | 12072 | 9414 | 9.5715 | 9.57148 | 0.9810 | 14.92 | 15.92 | 15.40 | 1.00 | 0.270 | 0.450* | 0.127 | 0.453 | 0.47 | 31299.629 | 516 | |
| 2296 | 204 | 5190 | 10354 | 9.71100 | 9.71100 | 0.9873 | 13.60 | 14.84 | 14.09 | 1.24 | 0.295* | 0.520 | 0.102 | 0.483 | 0.80 | 26303.577 | 451 | |
| 969 | 98 | 12954 | 12485 | ... | 9.73945 | 0.9885 | 13.58 | 14.82 | 14.14 | 1.24 | 0.300* | 0.475 | 0.127 | 0.475 | 0.50 | 28066.622 | 519 | |
| 12474 | 1327 | 1284 | 6600 | ... | 9.85013 | 0.9934 | 14.66 | 15.45 | 15.10 | 0.79 | 0.305* | 0.580 | 0.111 | 0.486 | 0.40 | 30948.612 | 322 | |
| 2372 | 275 | 8127 | 9991 | 9.9920 | 9.99088 | 0.9996 | 13.88 | 15.80 | 14.83 | 1.92 | 0.310* | 0.480 | 0.086 | 0.416 | 0.80 | 26956.619 | 461 | |

TABLE 5.—Cepheid variables—continued

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. | |
|--------|------|---------|---------|----------------------|-----------------------|--------|--------------------|--------------------|--------------------|-------------------|--------|--------|-------|-------|-------------------|-----------|------|-------|
| 2675 | 539 | 14966'' | 14795'' | 10 ^d 0190 | 10 ^d 02193 | 1.0010 | 14 ^m 72 | 15 ^m 72 | 15 ^m 11 | 1 ^m 00 | 0.255 | 0.470* | 0.085 | 0.477 | 0 ^m 10 | 31076.380 | 432 | |
| 1016 | 142 | 16574 | 5319 | 10.0445 | 10.04289 | 1.0019 | 14.72 | 15.76 | 15.28 | 1.04 | 0.215 | 0.435* | 0.133 | 0.380 | 0.80 | 32919.335 | 461 | Sm |
| 923 | 52 | 9321 | 8144 | 10.25397 | 10.25328 | 1.0108 | 14.66 | 15.19 | 14.92 | 0.53 | 0.305 | 0.495* | 0.276 | 0.508 | 0.51 | 32919.335 | 461 | S;cc |
| 2371 | 274 | 8060 | 9194 | 10.347 | 10.34744 | 1.0148 | 14.42 | 15.56 | 15.11 | 1.14 | 0.320 | 0.430* | 0.096 | 0.453 | 0.51 | 26710.335 | 463 | |
| 2816* | 669 | 18266 | 15712 | 10.404 | 10.40423 | 1.0172 | 14.20 | 15.69 | 15.16 | 1.49 | 0.235 | 0.420* | 0.057 | 0.400 | 0.25 | 30641.580 | 419 | |
| 2277 | 185 | 4744 | 8302 | ... | 10.41150 | 1.0175 | 13.99 | 15.45 | 14.81 | 1.46 | 0.295 | 0.450* | 0.083 | 0.420 | 0.48 | 13875.807 | 439 | |
| 6105 | 1104 | 10306 | 20688 | ... | 10.43965 | 1.0187 | 15.69 | 16.63 | 15.79 | 0.95 | ... | 0.515 | 0.236 | 0.397 | 0.06 | 29994.382 | 90 | |
| 2326 | 232 | 6235 | 9683 | 10.4698 | 10.46950 | 1.0199 | 14.62 | 15.63 | 15.05 | 1.01 | 0.300 | 0.475 | 0.128 | 0.490 | 0.50 | 24501.614 | 445 | |
| 5551 | 769 | 5031 | 5041 | 10.4867 | 10.48482 | 1.0206 | 15.17 | 16.15 | 15.59 | 0.98 | 0.325 | 0.485* | 0.097 | 0.489 | 0.31 | 27799.532 | 422 | |
| 12078 | 1186 | 22992 | 12258 | 10.6878 | 10.68778 | 1.0289 | 14.16 | 15.85 | 15.22 | 1.02 | ... | 0.470 | 0.250 | 0.485 | 0.26 | 27807.283 | 293 | |
| 12537 | 1377 | 4824 | 8928 | ... | 10.79579 | 1.0333 | 14.15 | 15.09 | 14.35 | 0.94 | 0.360 | 0.515* | 0.195 | 0.565 | 0.48 | 29869.637 | 444 | |
| 12486 | 1335 | 1655 | 2509 | ... | 10.80027 | 1.0334 | 15.14 | 15.89 | 15.54 | 0.75 | 0.250 | 0.475* | 0.155 | 0.366 | 0.39 | 27457.382 | 244 | |
| 2280 | 188 | 4811 | 10514 | ... | 10.85872 | 1.0358 | 14.36 | 15.40 | 14.77 | 1.04 | 0.270 | 0.460* | 0.074 | 0.354 | 0.50 | 27807.399 | 364 | |
| 12248* | 1245 | 25224 | 12330 | ... | 10.91235 | 1.0379 | 14.23 | 15.87 | 15.19 | 1.64 | 0.300 | 0.445* | 0.090 | 0.522 | 0.00 | 26715.537 | 189 | |
| 2432 | 330 | 9748 | 12591 | 10.9245 | 10.92454 | 1.0384 | 13.63 | 14.67 | 14.09 | 1.04 | 0.300* | 0.550 | 0.112 | 0.542 | 0.30 | 27799.532 | 447 | |
| 2847 | 697 | 19395 | 16085 | ... | 10.95098 | 1.0395 | 14.63 | 15.36 | 14.88 | 0.73 | ... | 0.500 | 0.270 | 0.500 | 0.17 | 31773.482 | 393 | S;cc |
| 2864 | 714 | 20629 | 17224 | ... | 10.98412 | 1.0408 | 14.45 | 15.38 | 14.83 | 0.93 | ... | 0.430 | 0.230 | 0.500 | 0.24 | 29222.409 | 383 | |
| 2598 | 477 | 13838 | 8370 | ... | 10.99143 | 1.0410 | 13.66 | 14.75 | 14.16 | 1.09 | ... | 0.430 | 0.223 | 0.493 | 0.47 | 28157.556 | 486 | S;cr |
| 921 | 50 | 9061 | 9834 | 11.0887 | 11.08690 | 1.0448 | 14.52 | 15.80 | 15.09 | 1.28 | 0.210 | 0.445* | 0.032 | 0.538 | 0.80 | 27747.424 | 462 | SM |
| 999 | 126 | 15166 | 14530 | 11.2353 | 11.23490 | 1.0506 | 13.55 | 14.51 | 13.98 | 0.96 | 0.365 | 0.520* | 0.165 | 0.570 | 0.10 | 27800.283 | 447 | |
| 2462 | 356 | 10580 | 5622 | ... | 11.24543 | 1.0510 | 15.36 | 16.57 | 16.02 | 1.21 | 0.180 | 0.310* | 0.040 | 0.398 | 0.00 | 32915.292 | 436 | |
| 12716 | 1522 | -425 | 2807 | ... | 11.24784 | 1.0511 | 14.71 | 15.66 | 15.18 | 0.95 | 0.290 | 0.475* | 0.113 | 0.478 | 0.40 | 30970.634 | 320 | S;P? |
| 2585 | 464 | 13492 | 9123 | ... | 11.26176 | 1.0516 | 14.65 | 15.63 | 15.14 | 0.98 | ... | 0.435 | 0.159 | 0.454 | 0.47 | 24365.597 | 447 | |
| 2787 | 643 | 17324 | 9946 | 11.442 | 11.44324 | 1.0586 | 13.76 | 15.12 | 14.48 | 1.36 | ... | 0.465 | 0.174 | 0.376 | 0.47 | 27800.507 | 428 | |
| 5979 | 1024 | 16426 | 5462 | 11.5276 | 11.53072 | 1.0619 | 14.78 | 15.59 | 15.20 | 0.81 | 0.240 | 0.480* | 0.190 | 0.310 | 0.80 | 17563.728 | 441 | |
| 880 | 10 | 3097 | 14178 | ... | 11.66878 | 1.0670 | 14.30 | 15.24 | 14.72 | 0.94 | 0.485* | 0.640 | 0.196 | 0.465 | 0.50 | 26689.391 | 412 | |
| 905 | 35 | 6888 | 10880 | 11.85787 | 11.85790 | 1.0740 | 14.04 | 15.90 | 14.99 | 1.86 | 0.255 | 0.420* | 0.179 | 0.477 | 0.80 | 28761.607 | 449 | |
| 906 | 36 | 7000 | 10301 | 11.909 | 11.90767 | 1.0758 | 14.81 | 16.10 | 15.57 | 1.29 | 0.230 | 0.380* | 0.097 | 0.377 | 0.49 | 16814.656 | 445 | |
| 2299 | 207 | 5323 | 15154 | ... | 12.06264 | 1.0815 | 13.74 | 15.23 | 14.36 | 1.49 | 0.290 | 0.440* | 0.112 | 0.552 | 0.37 | 17966.591 | 217 | |
| 2662 | 528 | 14678 | 20180 | ... | 12.07626 | 1.0819 | 14.09 | 14.81 | 14.42 | 0.72 | 0.270 | 0.500* | 0.061 | 0.581 | 0.00 | 30318.441 | 344 | |
| 2815 | 668 | 18264 | 9033 | 11.98 | 12.08911 | 1.0824 | 14.69 | 15.52 | 15.17 | 0.83 | ... | 0.440 | 0.239 | 0.543 | 0.44 | 26452.220 | 424 | |
| 12519 | 1360 | 4110 | 15432 | ... | 12.19453 | 1.0862 | 14.51 | 15.51 | 14.99 | 1.00 | ... | 0.395 | 0.185 | 0.491 | 0.37 | 27776.479 | 547 | |
| 12186 | 1191 | 6052 | 23568 | 12.24 | 12.24078 | 1.0878 | 14.78 | 16.06 | 15.46 | 1.28 | 0.180 | 0.370* | 0.117 | 0.453 | 0.12 | 30763.313 | 301 | |
| 12745 | 1544 | 5973 | 44 | ... | 12.24665 | 1.0880 | 13.96 | 15.81 | 15.30 | 1.85 | 0.200 | 0.355* | 0.154 | 0.460 | 0.30 | 31682.637 | 328 | |
| 978 | 106 | 13280 | 6746 | 12.26302 | 12.26302 | 1.0886 | 14.75 | 15.71 | 15.27 | 0.96 | 0.220 | 0.435* | 0.135 | 0.360 | 0.80 | 31657.649 | 437 | SM |
| 998 | 125 | 15052 | 15183 | 12.3207 | 12.31900 | 1.0906 | 13.80 | 15.09 | 14.44 | 1.29 | 0.240 | 0.355* | 0.184 | 0.500 | 0.10 | 13894.749 | 448 | S |
| 12475 | 1328 | 1332 | 9654 | ... | 12.32438 | 1.0908 | 14.89 | 15.94 | 15.39 | 1.05 | 0.165 | 0.325* | 0.083 | 0.448 | 0.44 | 24418.800 | 407 | |
| 958 | 87 | 12455 | 6931 | 12.344 | 12.35644 | 1.0919 | 14.64 | 15.89 | 15.37 | 1.25 | 0.355 | 0.515* | 0.116 | 0.381 | 0.80 | 32888.287 | 441 | |
| 12253 | 1250 | 27421 | 10028 | 12.569 | 12.57403 | 1.0995 | 14.31 | 16.22 | 15.37 | 1.91 | 0.200 | 0.370* | 0.097 | 0.433 | 0.00 | 27449.310 | 187 | |
| 898 | 28 | 6093 | 11283 | 12.6235 | 12.62355 | 1.1012 | 14.89 | 15.95 | 15.44 | 1.06 | 0.220 | 0.410* | 0.130 | 0.410 | 0.80 | 31106.359 | 522 | |
| 2285 | 193 | 4987 | 10581 | 12.631 | 12.63239 | 1.1015 | 13.72 | 15.07 | 14.54 | 1.35 | 0.200 | 0.350* | 0.074 | 0.367 | 0.50 | 26414.287 | 518 | |
| 2865 | 715 | 20660 | 16283 | ... | 12.64505 | 1.1019 | 14.20 | 15.21 | 14.53 | 1.01 | ... | 0.430 | 0.218 | 0.500 | 0.24 | 26312.385 | 378 | |
| 874 | 4 | 3004 | 4901 | 12.6829 | 12.68181 | 1.1032 | 13.79 | 16.22 | 15.41 | 2.43 | 0.140 | 0.320* | 0.069 | 0.296 | 0.31 | 29913.598 | 379 | |
| 2321 | 227 | 6104 | 10873 | 12.7233 | 12.72567 | 1.1047 | 14.54 | 16.10 | 15.36 | 1.56 | 0.210 | 0.430* | 0.128 | 0.369 | 0.80 | 30318.343 | 421 | SM;cc |
| 12839 | 1620 | 16859 | -1426 | ... | 12.76976 | 1.1062 | 13.49 | 14.94 | 14.32 | 1.55 | ... | 0.400 | 0.097 | 0.376 | 0.00 | 31170.316 | 196 | |
| 895 | 25 | 5889 | 11024 | 12.9144 | 12.91358 | 1.1111 | 13.66 | 15.50 | 14.70 | 1.84 | 0.200 | 0.380* | 0.090 | 0.418 | 0.80 | 23740.790 | 530 | |
| 2527 | 416 | 12436 | 2593 | ... | 12.94796 | 1.1122 | 14.23 | 16.07 | 15.30 | 1.84 | 0.215 | 0.350* | 0.070 | 0.383 | 0.00 | 27807.317 | 432 | |
| 2260 | 172 | 4030 | 11684 | ... | 12.98721 | 1.1135 | 14.51 | 15.64 | 15.05 | 1.13 | 0.180 | 0.360* | 0.102 | 0.423 | 0.50 | 26060.243 | 418 | |
| 997 | 124 | 14696 | 13181 | ... | 13.14701 | 1.1188 | 14.28 | 15.61 | 15.07 | 1.33 | 0.206 | 0.370* | 0.079 | 0.400 | 0.50 | 32915.292 | 468 | |
| 932 | 61 | 10305 | 7978 | 13.2802 | 13.28060 | 1.1232 | 13.93 | 15.65 | 14.89 | 1.72 | 0.155 | 0.365* | 0.078 | 0.382 | 0.45 | 26594.599 | 343 | |
| 12656 | 1470 | 18918 | 996 | 13.3968 | 13.39984 | 1.1271 | 14.05 | 15.34 | 14.80 | 1.29 | ... | 0.535 | 0.251 | 0.480 | 0.22 | 27811.279 | 189 | |
| 2579 | 458 | 13424 | 15785 | 13.413 | 13.43133 | 1.1281 | 13.66 | 14.71 | 14.26 | 1.05 | 0.195 | 0.455* | 0.229 | 0.457 | 0.13 | 27786.315 | 464 | |
| 2270 | 179 | 4472 | 7746 | ... | 13.62491 | 1.1343 | 14.34 | 15.57 | 15.10 | 1.13 | 0.150 | 0.360* | 0.089 | 0.366 | 0.30 | 27449.462 | 431 | |
| 2352 | 255 | 7344 | 5017 | 13.628 | 13.62611 | 1.1344 | 14.05 | 14.95 | 14.47 | 0.90 | ... | 0.410 | 0.221 | 0.540 | 0.50 | 26689.391 | 464 | |
| 1019 | 145 | 17655 | 6044 | 13.64 | 13.65943 | 1.1354 | 13.85 | 14.88 | 14.32 | 1.03 | 0.210 | 0.415* | 0.124 | 0.397 | 0.55 | 23706.778 | 437 | |
| 955 | 84 | 12209 | 16206 | 13.74 | 13.73189 | 1.1377 | 14.75 | 15.68 | 15.32 | 0.93 | 0.240 | 0.390* | 0.100 | 0.414 | 0.00 | 17563.728 | 459 | |
| 12724 | 1529 | -33 | 6650 | ... | 13.74365 | 1.1381 | 14.31 | 15.97 | 15.24 | 1.66 | 0.225 | 0.400* | 0.111 | 0.378 | 0.44 | 31682.546 | 304 | |
| 2538 | 423 | 12734 | 12072 | ... | 13.86894 | 1.1420 | 14.30 | 15.32 | 14.82 | 1.02 | ... | 0.430 | 0.189 | 0.441 | 0.24 | 30680.540 | 518 | |
| 2339 | 244 | 6826 | 9938 | 13.877 | 13.87952 | 1.1424 | 14.50 | 15.65 | 15.15 | 1.15 | 0.175 | 0.350* | 0.186 | 0.497 | 0.50 | 27800.320 | 443 | |
| 911 | 40 | 7444 | 9484 | 13.915 | 13.91498 | 1.1435 | 13.68 | 15.48 | 14.61 | 1.80 | 0.210 | 0.380* | 0.101 | 0.412 | 0.50 | 17933.607 | 430 | |
| 2463 | 357 | 10606 | 10093 | 13.95235 | 13.95416 | 1.1447 | 13.41 | 14.81 | 14.26 | 1.40 | ... | 0.410 | 0.130 | 0.403 | 0.47 | 27807.365 | 491 | |
| 2244 | 158 | 2717 | 13714 | ... | 13.96991 | 1.1452 | 13.91 | 14.96 | 14.50 | 1.05 | 0.195 | 0.360* | 0.090 | 0.377 | 0.50 | 23527.510 | 406 | S;im |
| 2647 | 514 | 14465 | 10266 | ... | 14.18754 | 1.1519 | 15.09 | 16.44 | 15.63 | 1.05 | 0.185 | 0.470* | 0.170 | 0.418 | 0.38 | 23706.778 | 342 | S;cr |
| 5655 | 824 | 7998 | 4540 | ... | 14.21136 | 1.1526 | 13.92 | 15.11 | 15.04 | 2.19 | 0.180 | 0.340* | 0.080 | 0.415 | 0.38 | 13946.555 | 417 | |

TABLE 5.—Cepheid variables—continued

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. | |
|--------|------|--------|-------|-----------|----------|--------|----------------|----------------|------------------|------|-------|--------|-------|-------|------------------|-----------|-------|--------|
| 1006 | 133 | 16035" | 8474" | 14.21141 | 14.21213 | 1.1527 | 14.33 | 15.50 | 15.04 | 1.17 | 0.175 | 0.350* | 0.070 | 0.351 | 0.47 | 14962.768 | 451 | |
| 12505 | 1348 | 3228 | 10200 | ... | 14.38512 | 1.1579 | 15.06 | 16.11 | 15.36 | 1.05 | 0.205 | 0.360* | 0.080 | 0.417 | 0.30 | 13875.807 | 385 | |
| 2324 | 230 | 6124 | 12276 | 14.4701 | 14.46577 | 1.1603 | 13.90 | 15.43 | 14.71 | 1.53 | 0.200 | 0.380* | 0.114 | 0.427 | 0.47 | 29222.409 | 454 | |
| 887 | 17 | 4904 | 7773 | ... | 14.48816 | 1.1610 | 13.73 | 15.27 | 14.67 | 1.54 | 0.155 | 0.350* | 0.099 | 0.419 | 0.30 | 23741.834 | 445 | |
| 2282 | 190 | 4894 | 5829 | ... | 14.66551 | 1.1663 | 14.43 | 15.90 | 15.25 | 1.44 | 0.145 | 0.350* | 0.120 | 0.450 | 0.31 | 23681.879 | 434 | |
| 2356 | 259 | 7522 | 9877 | 15.1217 | 15.12173 | 1.1796 | 13.75 | 15.25 | 14.57 | 1.50 | 0.155 | 0.310* | 0.060 | 0.360 | 0.50 | 24084.690 | 461 | |
| 2249* | 163 | 2800 | 15625 | 15.22 | 15.21513 | 1.1823 | 13.89 | 15.28 | 14.76 | 1.39 | 0.120 | 0.310* | 0.076 | 0.396 | 0.34 | 31681.586 | 604 | |
| 933 | 62 | 10474 | 9546 | 15.5441 | 15.54443 | 1.1916 | 14.20 | 15.93 | 15.21 | 1.73 | 0.156 | 0.305* | 0.081 | 0.456 | 0.48 | 31332.626 | 477 | |
| 12762* | 1559 | 7839 | -683 | ... | 15.64252 | 1.1943 | 13.69 | 15.37 | 14.83 | 1.68 | 0.170 | 0.325* | 0.076 | 0.438 | 0.28 | 29674.309 | 336 | |
| 973 | 102 | 12996 | 6576 | 15.8398 | 15.84320 | 1.1998 | 12.88 | 14.76 | 13.91 | 1.88 | 0.165 | 0.305* | 0.072 | 0.397 | 0.80 | 29927.447 | 532 | |
| 2262 | 174 | 4085 | 5764 | 15.85 | 15.84623 | 1.1999 | 13.75 | 15.26 | 14.59 | 1.51 | 0.255 | 0.385* | 0.085 | 0.361 | 0.31 | 27426.396 | 424 | |
| 12471 | 1324 | 1212 | 8082 | ... | 15.85133 | 1.2001 | 14.13 | 15.56 | 14.86 | 1.43 | 0.150 | 0.365* | 0.124 | 0.379 | 0.44 | 29189.469 | 334 | |
| 892 | 22 | 5277 | 10770 | 15.9921 | 15.98754 | 1.2038 | 13.77 | 15.48 | 14.76 | 1.71 | 0.290 | 0.290 | 0.061 | 0.434 | 0.50 | 26565.613 | 541 | |
| 985 | 133 | 13714 | 7055 | 15.9908 | 15.99017 | 1.2038 | 14.27 | 15.81 | 15.03 | 1.54 | 0.140 | 0.330* | 0.090 | 0.430 | 0.80 | 31701.606 | 464 | |
| 2772 | 628 | 17123 | 3679 | ... | 16.15900 | 1.2084 | 14.06 | 15.73 | 15.09 | 1.67 | 0.190 | 0.315* | 0.061 | 0.425 | 0.80 | 29205.575 | 414 | |
| 2549 | 433 | 12865 | 667 | ... | 16.19669 | 1.2094 | 13.24 | 14.73 | 14.10 | 1.49 | 0.375 | 0.375 | 0.114 | 0.405 | 0.12 | 29690.343 | 440 | |
| 2667 | 532 | 14735 | 18502 | 16.2224 | 16.21852 | 1.2100 | 14.01 | 15.11 | 14.61 | 1.10 | 0.290 | 0.290 | 0.075 | 0.451 | 0.00 | 24418.800 | 432 | |
| 2273 | 181 | 4586 | 15345 | ... | 16.83504 | 1.2262 | 14.52 | 15.65 | 15.11 | 1.13 | 0.085 | 0.325* | 0.094 | 0.428 | 0.37 | 27660.599 | 570 | |
| 2580 | 459 | 13451 | 20264 | 16.92 | 16.92870 | 1.2286 | 13.32 | 14.72 | 13.92 | 1.40 | 0.190 | 0.355* | 0.095 | 0.416 | 0.02 | 32888.384 | 316 | |
| 891 | 21 | 5363 | 9694 | 17.1792 | 17.19720 | 1.2354 | 13.42 | 15.22 | 14.59 | 1.80 | 0.180 | 0.300* | 0.052 | 0.413 | 0.80 | 26455.214 | 459 | |
| 5594 | 791 | 6166 | 17455 | ... | 17.20323 | 1.2356 | 14.19 | 15.38 | 14.81 | 1.19 | 0.185 | 0.360* | 0.110 | 0.481 | 0.50 | 28078.413 | 227 | |
| 2261* | 173 | 4053 | 5579 | ... | 17.2476 | 1.2367 | 13.23 | 15.30 | 14.29 | 2.07 | 0.185 | 0.345* | 0.086 | 0.420 | 0.31 | 23486.545 | 446 | |
| 2319 | 225 | 6080 | 11104 | 17.4584 | 17.45890 | 1.2420 | 14.67 | 16.27 | 15.47 | 1.60 | 0.150 | 0.345* | 0.099 | 0.394 | 0.80 | 13875.807 | 530 | |
| 2888 | 736 | 8175 | 21611 | ... | 17.51514 | 1.2434 | 13.65 | 15.87 | 14.51 | 2.22 | 0.305 | 0.305 | 0.092 | 0.445 | 0.18 | 31697.514 | 106 | |
| 2288 | 196 | 5085 | 8946 | ... | 17.52095 | 1.2436 | 13.76 | 15.40 | 14.74 | 1.64 | 0.150 | 0.300* | 0.063 | 0.361 | 0.48 | 16820.567 | 441 | |
| 2836 | 686 | 18956 | 15957 | ... | 17.52783 | 1.2437 | 14.89 | 16.57 | 15.94 | 1.68 | 0.155 | 0.330* | 0.100 | 0.393 | 0.25 | 32035.638 | 396 | |
| 2791 | 647 | 17402 | 4364 | ... | 17.79264 | 1.2502 | 15.27 | 16.20 | 15.75 | 0.93 | 0.095 | 0.285* | 0.075 | 0.380 | 0.80 | 29601.390 | 171 | |
| 901 | 31 | 6546 | 9014 | 18.4672 | 18.46584 | 1.2664 | 14.38 | 16.17 | 15.23 | 1.79 | 0.185 | 0.325* | 0.065 | 0.359 | 0.50 | 27449.462 | 413 | S |
| 12499 | 1342 | 2652 | 16398 | ... | 18.52663 | 1.2678 | 14.29 | 15.06 | 14.67 | 0.77 | 0.400 | 0.400 | 0.233 | 0.539 | 0.27 | 27426.396 | 610 | S! |
| 1005 | 132 | 15689 | 10884 | 18.709759 | 18.70976 | 1.2721 | 13.42 | 15.24 | 14.50 | 1.82 | 0.165 | 0.315* | 0.059 | 0.412 | 0.38 | 27422.272 | 443 | |
| 2793* | 649 | 17574 | 11304 | 19.1843 | 19.18428 | 1.2829 | 13.40 | 15.14 | 14.38 | 1.64 | 0.150 | 0.320* | 0.080 | 0.421 | 0.40 | 28041.643 | 526 | |
| 2488 | 380 | 11611 | 9094 | 19.197 | 19.21054 | 1.2835 | 13.94 | 15.69 | 14.94 | 1.75 | 0.165 | 0.350* | 0.084 | 0.393 | 0.48 | 29526.598 | 521 | |
| U 11 | 1727 | 1334 | 11608 | 20.0743 | 20.0727 | 1.3026 | 13.76 | 15.09 | 14.51 | 1.33 | 0.305 | 0.305 | 0.103 | 0.382 | 0.30 | 17966.591 | 315 | |
| 2789 | 645 | 17345 | 7667 | 20.32 | 20.3188 | 1.3079 | 14.06 | 15.40 | 14.81 | 1.34 | 0.140 | 0.350* | 0.092 | 0.408 | 0.55 | 13877.808 | 435 | S;cc |
| 885* | 15 | 4554 | 10046 | ... | 20.7032 | 1.3160 | 13.17 | 14.97 | 14.24 | 1.80 | 0.240 | 0.240 | 0.088 | 0.400 | 0.50 | 23875.527 | 446 | |
| 2454 | 348 | 10407 | 18657 | ... | 20.7065 | 1.3161 | 13.76 | 14.91 | 14.28 | 1.15 | 0.215 | 0.405* | 0.067 | 0.422 | 0.10 | 25886.539 | 394 | |
| 893 | 23 | 5956 | 9473 | 21.115 | 21.1124 | 1.3246 | 13.53 | 15.44 | 14.58 | 1.91 | 0.195 | 0.315* | 0.067 | 0.413 | 0.80 | 29518.630 | 440 | |
| 2292 | 200 | 5147 | 9224 | 21.2549 | 21.2504 | 1.3274 | 12.89 | 14.30 | 13.64 | 1.41 | 0.100 | 0.310* | 0.081 | 0.412 | 0.80 | 29641.294 | 431 | |
| 12804 | 1590 | 12235 | -1779 | ... | 21.2513 | 1.3274 | 14.12 | 15.48 | 14.89 | 1.36 | 0.345 | 0.345 | 0.115 | 0.449 | 0.00 | 31745.575 | 160 | |
| 2453 | 347 | 10357 | 8330 | 21.6113 | 21.6113 | 1.3347 | 13.99 | 15.43 | 14.91 | 1.44 | 0.200 | 0.390* | 0.118 | 0.379 | 0.48 | 29674.309 | 444 | SM;ccr |
| 2245 | 159 | 2725 | 7001 | ... | 22.0803 | 1.3440 | 14.20 | 15.46 | 14.91 | 1.26 | 0.320 | 0.320 | 0.110 | 0.391 | 0.38 | 24824.683 | 388 | |
| 12446 | 1307 | 336 | 11814 | ... | 22.2459 | 1.3473 | 13.35 | 14.61 | 14.11 | 1.27 | 0.240 | 0.240 | 0.098 | 0.354 | 0.46 | 25644.344 | 314 | |
| 2291 | 199 | 5144 | 10215 | 22.3284 | 22.3284 | 1.3489 | 12.75 | 14.79 | 13.80 | 2.04 | 0.125 | 0.360* | 0.085 | 0.421 | 0.80 | 23907.499 | 457 | |
| U 1 | 1724 | 66 | 7978 | 22.5225 | 22.5583 | 1.3533 | 14.10 | 15.65 | 14.80 | 1.55 | 0.145 | 0.355* | 0.085 | 0.391 | 0.50 | 31874.327 | 320 | |
| 876 | 6 | 2274 | 15323 | ... | 22.7061 | 1.3561 | 13.67 | 15.41 | 14.74 | 1.74 | 0.305 | 0.305 | 0.060 | 0.390 | 0.50 | 30365.281 | 450 | |
| 984 | 112 | 13766 | 8666 | ... | 23.0382 | 1.3624 | 13.28 | 15.12 | 14.24 | 1.84 | 0.125 | 0.315* | 0.091 | 0.439 | 0.47 | 26456.214 | 381 | |
| 2749 | 608 | 16654 | 9021 | 23.1139 | 23.1052 | 1.3637 | 14.44 | 15.63 | 15.12 | 1.19 | 0.420 | 0.420 | 0.139 | 0.332 | 0.47 | 29204.484 | 403 | |
| 878 | 8 | 3746 | 6094 | 23.3 | 23.2959 | 1.3673 | 12.81 | 14.11 | 13.73 | 1.30 | 0.135 | 0.064 | 0.416 | 0.38 | 23737.848 | 442 | | |
| 938 | 67 | 10846 | 10004 | 23.56 | 23.5699 | 1.3722 | 13.57 | 14.98 | 14.34 | 1.41 | 0.260 | 0.083 | 0.441 | 0.30 | 24824.683 | 493 | | |
| 886 | 16 | 3855 | 19734 | 23.958 | 23.9611 | 1.3795 | 12.97 | 14.54 | 13.98 | 1.67 | 0.175 | 0.075 | 0.432 | 0.24 | 27660.599 | 107 | | |
| 1013 | 140 | 17060 | 14414 | 24.15 | 24.1313 | 1.3826 | 13.49 | 14.96 | 14.39 | 1.47 | 0.185 | 0.365* | 0.099 | 0.419 | 0.17 | 30318.441 | 456 | |
| 6098 | 1098 | 1654 | 21423 | ... | 24.2375 | 1.3845 | 12.96 | 14.25 | 13.76 | 1.29 | 0.215 | 0.096 | 0.384 | 0.24 | 30701.363 | 113 | | |
| 1003* | 130 | 15543 | 11924 | 24.388661 | 24.4115 | 1.3876 | 13.27 | 14.56 | 13.99 | 1.29 | 0.180 | 0.345* | 0.144 | 0.458 | 0.38 | 26710.335 | 486 | |
| 889 | 19 | 5186 | 10012 | 25.7798 | 25.8013 | 1.4116 | 13.03 | 14.88 | 14.11 | 1.85 | 0.325 | 0.081 | 0.329 | 0.50 | 27808.317 | 459 | | |
| 12815* | 1598 | 13714 | 21461 | ... | 26.0628 | 1.4160 | 13.65 | 15.08 | 14.37 | 1.43 | 0.455 | 0.121 | 0.121 | 0.021 | 0.02 | 31683.579 | 348 | |
| 902* | 32 | 6847 | 4645 | 26.39 | 26.3736 | 1.4212 | 12.16 | 14.16 | 13.28 | 2.00 | 0.150 | 0.070 | 0.456 | 0.50 | 26573.635 | 471 | | |
| 1023 | 149 | 19269 | 13038 | ... | 26.5386 | 1.4239 | 13.03 | 14.97 | 14.23 | 1.94 | 0.220 | 0.073 | 0.424 | 0.50 | 16820.567 | 450 | | |
| 2507 | 397 | 12074 | 19637 | ... | 26.9631 | 1.4308 | 14.11 | 15.38 | 14.88 | 1.27 | 0.220 | 0.097 | 0.398 | 0.03 | 29627.308 | 468 | S | |
| 929 | 58 | 9660 | 16615 | 27.87 | 27.8619 | 1.4450 | 13.47 | 14.54 | 14.07 | 1.07 | 0.350 | 0.121 | 0.434 | 0.39 | 29600.430 | 449 | | |
| 2251* | 164 | 3228 | 18174 | 28.0 | 27.9863 | 1.4470 | 12.82 | 14.55 | 13.92 | 1.73 | 0.265 | 0.075 | 0.451 | 0.24 | 27751.582 | 617 | | |
| 2540 | 425 | 12749 | 6695 | 28.2812 | 28.0805 | 1.4484 | 13.02 | 14.53 | 13.78 | 1.51 | 0.185 | 0.091 | 0.524 | 0.80 | 31299.629 | 481 | S;ccr | |
| 934 | 63 | 10380 | 13986 | 28.18648 | 28.1899 | 1.4501 | 13.64 | 15.25 | 14.56 | 1.61 | 0.330 | 0.086 | 0.420 | 0.50 | 27660.634 | 516 | | |
| 8036 | 1110 | 172 | 4450 | 28.3607 | 28.3793 | 1.4530 | 12.96 | 15.33 | 14.61 | 2.37 | 0.195 | 0.085 | 0.410 | 0.35 | 30638.408 | 322 | | |
| 872 | 2 | 1597 | 14889 | ... | 29.8552 | 1.4750 | 13.85 | 14.90 | 14.43 | 1.05 | 0.200 | 0.101 | 0.431 | 0.50 | 28761.557 | 444 | | |

TABLE 5.—*Cepheid variables—continued*

| HV | LMV | X | Y | Publ. P | P | log P | M ₀ | m ₀ | (m) ₀ | A | M - m | R | W | dm | Max. JD 2400000+ | Obs. | Rem. |
|-------|-----|-------|-------|---------------------|----------------------|--------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|---------------------|------|----------|
| 875 | 5 | 3097" | 8114" | 30 ^d 355 | 30 ^d 3545 | 1.4822 | 12 ^m 30 | 14 ^m 14 | 13 ^m 48 | 1 ^m 34 | 0 ^p 310 | 0 ^p 124 | 0 ^p 431 | 0 ^m 41 | 24408.850 | 429 | |
| 904 | 34 | 6586 | 10716 | 30.39975 | 30.3902 | 1.4827 | 12.76 | 14.25 | 13.57 | 1.49 | 0.210 | 0.109 | 0.469 | 0.49 | 23752.638 | 438 | |
| 1002* | 129 | 15754 | 18573 | 30.43 | 30.427 | 1.4835 | 12.95 | 14.76 | 13.89 | 1.77 | 0.180 | 0.081 | 0.462 | 0.00 | 13896.571 | 408 | |
| 899 | 29 | 6244 | 10284 | 31.027 | 31.0232 | 1.4917 | 11.86 | 13.73 | 12.92 | 1.87 | 0.210 | 0.081 | 0.451 | 0.49 | 26635.562 | 469 | |
| 882 | 12 | 4084 | 7975 | 31.813 | 31.8164 | 1.5027 | 13.77 | 15.64 | 14.66 | 1.87 | 0.170 | 0.063 | 0.434 | 0.30 | 31107.354 | 448 | S |
| 5761 | 903 | 10584 | 10047 | ... | 31.9645 | 1.5047 | 13.03 | 14.44 | 13.66 | 1.41 | 0.215 | 0.084 | 0.419 | 0.47 | 31669.633 | 474 | S; r:icc |
| 873* | 3 | 3192 | 2557 | 34.344 | 34.348 | 1.5359 | 12.01 | 13.44 | 12.91 | 1.43 | 0.250 | 0.098 | 0.483 | 0.33 | 26444.225 | 399 | S |
| 881 | 11 | 4146 | 4733 | 35.755 | 35.7603 | 1.5534 | 13.10 | 14.70 | 13.89 | 1.60 | 0.190 | 0.109 | 0.451 | 0.31 | 14254.733 | 341 | |
| 2294 | 202 | 5154 | 18230 | 36.536 | 36.5310 | 1.5627 | 12.02 | 13.95 | 13.11 | 1.93 | 0.230 | 0.091 | 0.414 | 0.27 | 31711.452 | 134 | |
| 879 | 9 | 3581 | 7918 | ... | 36.782 | 1.5656 | 12.94 | 14.75 | 13.86 | 1.81 | 0.200 | 0.088 | 0.454 | 0.38 | 27454.363 | 426 | |
| 909* | 38 | 7454 | 4689 | 37.585 | 37.588 | 1.5750 | 13.14 | 14.69 | 13.70 | 1.55 | 0.270 | 0.127 | 0.527 | 0.38 | 12724.621 | 449 | |
| 2257* | 169 | 3844 | 6140 | 39.26 | 39.294 | 1.5943 | 12.36 | 14.02 | 13.43 | 1.66 | 0.180 | 0.078 | 0.448 | 0.38 | 26932.157 | 437 | |
| 2338 | 243 | 6820 | 1714 | 42.15 | 42.151 | 1.6428 | 12.90 | 14.92 | 13.83 | 2.02 | 0.215 | 0.101 | 0.479 | | | 391 | |
| 877 | 7 | 2520 | 13111 | 45.1651 | 45.155 | 1.6547 | 13.18 | 14.32 | 13.75 | 1.16 | 0.285 | 0.156 | 0.455 | | | 422 | |
| 900* | 30 | 6540 | 6135 | 47.52 | 47.52 | 1.6769 | 11.80 | 13.65 | 12.63 | 1.85 | 0.250 | 0.094 | 0.392 | 0.30 | 32882.314 | 444 | |
| 953* | 82 | 12002 | 15144 | 47.82607 | 47.931 | 1.6806 | 12.59 | 13.75 | 13.22 | 1.16 | 0.260 | 0.151 | 0.471 | 0.13 | 17933.607 | 488 | |
| 2369 | 272 | 7985 | 17065 | 48.267 | 48.267 | 1.6837 | 11.53 | 13.61 | 12.39 | 2.08 | 0.220 | 0.079 | 0.338 | 0.50 | 27457.535 | 239 | |
| 2622 | 494 | 14115 | 3164 | ... | 52.271 | 1.7183 | 13.11 | 14.31 | 13.61 | 1.20 | 0.265 | 0.143 | 0.518 | 0.30 | 30058.323 | 508 | |
| 2827* | 678 | 18633 | 18884 | ... | 79.781 | 1.8953 | 12.56 | 13.15 | 12.82 | 0.59 | 0.350 | 0.174 | 0.516 | 0.05 | 27799.331 | 408 | |
| 5497* | 743 | 1243 | 18679 | 98.86 | 99.003 | 1.9956 | 12.31 | 13.21 | 12.68 | 0.90 | 0.290 | 0.194 | 0.468 | 0.24 | 30701.363 | 331 | |
| 2447* | 341 | 10235 | 11304 | 118.6394 | 118.639 | 2.0742 | 12.02 | 13.03 | 12.38 | 1.01 | 0.545 | 0.241 | 0.455 | 0.47 | 28157.556 | 491 | |
| 883 | 13 | 3767 | 11609 | 134.1 | 133.583 | 2.1257 | 11.96 | 14.02 | 12.93 | 2.06 | 0.320 | 0.183 | 0.507 | 0.44 | 23682.875 | 429 | |

| HV | Period | | HV | Period | |
|------|--------|--|------|--------|--|
| 873 | 34.348 | Abrupt increase of period after JD 23000. | 2278 | 5.415 | Period may have decreased slightly between JD 16800 and 24000. Early observations omitted from published curve. |
| 885 | 20.703 | Slight increase of period after JD 16800, probably abrupt. | | | |
| 896 | 8.712 | Earlier Harvard investigators considered it not variable. | 2447 | 118.6 | Period erratically variable. Published curve refers to the interval from JD 28000 to 31000. |
| 900 | 47.5 | Period decreased abruptly from 47 ^d 5195 to 47 ^d 5174 near JD 24500. | 2563 | 2.578 | Earlier Harvard investigators considered it not variable. |
| 902 | 26.7 | M = 26573.635 + 26 ^d 6736 E - 3 ^d 4 × 10 ⁻⁵ E ² . | 2571 | 2.704 | Period may be decreasing very slightly. |
| 909 | 37.6 | M = 12724.621 + 37 ^d 5881 E + 6 ^d 28 × 10 ⁻⁵ E ² . | 2581 | 4.044 | Star certainly variable, though earlier regarded as not variable. |
| 917 | 7.977 | Poor distribution of observations due to period near 8 days. | 2584 | 4.671 | M = 29938.541 + 4 ^d 671610 E + 1 ^d 2 × 10 ⁻⁵ E ² . |
| 953 | 47.8 | Period varies erratically between 47 ^d 799 and 47 ^d 932; see Janes (1964). | 2596 | 4.166 | Period may have decreased slightly between JD 23000 and 32000. |
| 970 | 3.433 | Irregular?, Shapley and Nail (1955a). | 2624 | 3.409 | Earlier Harvard investigators considered it not variable. |
| 991 | 6.382 | Earlier Harvard investigators considered it not variable. | 2654 | 3.095 | Earlier Harvard investigators considered it not variable. |
| 994 | 4.226 | Period published by Shapley and Nail (1955b) is an error of transcription; their records show that the correct period was derived. | 2712 | 2.881 | Earlier Harvard investigators considered it not variable. |
| 1002 | 30.4 | M = 13896.571 + 30 ^d 427 E + 3 ^d 2 × 10 ⁻⁵ E ² . | 2759 | 3.278 | Earlier Harvard investigators considered it not variable. |
| 1003 | 24.4 | M = 13952.072 + 24 ^d 4115 E - 3 ^d 37 × 10 ⁻⁵ E ² . | 2793 | 19.18 | Period increasing; phases corrected empirically in forming mean light curve. |
| 2249 | 15.215 | Period slightly and erratically variable. | 2795 | 3.913 | M = 14253.089 + 3 ^d 913390 E - 3 ^d 06 × 10 ⁻⁵ E ² . |
| 2251 | 28.0 | M = 27751.582 + 27 ^d 9863 E - 5 ^d 4 × 10 ⁻⁵ E ² . | 2816 | 10.404 | Period increased by about 10 ⁻³ days after JD 16800, probably abruptly; phases corrected empirically. |
| 2257 | 39.3 | M = 26932.157 + 39 ^d 2937 E + 3 ^d 63 × 10 ⁻⁵ E ² . | 2827 | 78.6 | Period increased from 78 ^d 58 to 79 ^d 78, probably abruptly. |
| 2261 | 17.25 | Period changed from 17 ^d 2476 to 17 ^d 2566 at about JD 23000. Published curve refers to the interval after JD 23000. | 2838 | 2.332 | Period 4.539 given by Shapley (1931); discrepancy unexplained; identification? |

| <i>HV</i> | <i>Period</i> | | <i>HV</i> | <i>Period</i> | |
|-----------|---------------|---|-----------|---------------|---|
| 5497 | 99.0 | Period has increased since JD 17000. | 12210 | 2.930 | Data published by Shapley and Nail (1951a) refer to star marked 12209 in Hodge-Wright atlas (1967). |
| 5569 | 4.381 | Period has decreased slightly after JD 13000; phases empirically corrected. | 12223 | 3.000 | Maximum probably not covered by our observations. |
| 5651 | 5.076 | Regarded as an RR Lyrae star by Shapley and Nail (1955a), no period given. | 12242 | 4.819 | Not the star marked 12242 in the Hodge-Wright atlas (1967). Correct 12242 is W 50, not identified as such by Woolley, Sandage, Eggen, Alexander, Mather, Epps, and Jones (1962). Verified by examination of discovery chart for 12242 and by similarity of our period and light curve to those of W 50. |
| 5706 | 2.780 | Earlier Harvard investigators considered it not variable. | 12248 | 10.912 | Nail (1952) regards as an RR Lyrae star, no period given. |
| 5733 | 3.215 | Regarded as an RR Lyrae star by Shapley and Nail (1955a), no period given. | 12327 | 2.319 | Our period differs from that given by Shapley and Nail (1955a); identification? |
| 5736 | 2.176 | Earlier Harvard investigators considered it not variable. | 12340 | 2.637 | Period may have decreased slightly since JD 13000; dP/P is about -0.000064 in 10,000 days. |
| 5791 | 3.345 | Earlier Harvard investigators considered it not variable. | 12434 | 2.811 | Period has decreased by about $0^{\circ}00005$ between JD 16000 and 33000, perhaps steadily. |
| 5881 | 2.176 | Earlier Harvard investigators doubted variability. | 12534 | 2.913 | $M = 13954.711 + 2^{\circ}91330 E - 5^{\circ}6 \times 10^{-8} E^2$. |
| 5892 | 2.842 | Not the star marked in their atlas by Hodge and Wright (1967), which is not variable. The correct star was found by searching the area and verified by our agreement with the period published by Shapley and Nail (1955b). | 12697 | 2.444 | $M = 13951.638 + 2^{\circ}444289 E + 1^{\circ}27 \times 10^{-8} E^2$. |
| 5909 | 3.307 | Period may be variable; observations before JD 17000 omitted. | 12762 | 15.642 | Period may have increased slightly between JD 13900 and 23000. |
| 5930 | 3.448 | Earlier Harvard investigators considered it not variable. | 12815 | 26.062 | Period may be increasing slightly. |
| 6013 | 2.326 | Earlier Harvard investigators doubted variability. | | | |
| 12209 | 5.083 | Data published by Shapley and Nail (1951a) refer to star marked 12210 in Hodge-Wright atlas (1967). | | | |

TABLE 6.—*Population II Cepheids*

| HV | LMV | X | Y | Period | log P | M | m | \bar{m} | \bar{m}_0 | Curve type | Obs. |
|-------|------|-------|-------|--------|-------|-------|-------|-----------|-------------|------------|-------|
| 5774 | 912 | 10922 | 9518 | 11.439 | 1.059 | 16.97 | 17.66 | 17.32 | 16.84 | cr | 297 |
| 5598 | 794 | 6228 | 12316 | 14.251 | 1.154 | 16.49 | 16.96 | 16.72 | 16.25 | fl | 374 |
| 5756 | 899 | 10410 | 7043 | 17.568 | 1.245 | 16.68 | 17.10 | 16.89 | 16.44 | cr | 439 |
| 13025 | 1690 | 7575 | 11471 | 21.474 | 1.332 | 16.84 | 17.99 | 17.42 | 16.93 | cr | 419 |
| 5690 | ... | 8813 | 16512 | 30.299 | 1.481 | ... | ... | 15.70 | ... | ... | (420) |
| 12631 | 1440 | 16482 | 1632 | 31.137 | 1.493 | 15.55 | 16.37 | 15.96 | 15.79 | cr | 143 |
| 5829 | 942 | 12324 | 3343 | 31.521 | 1.499 | 15.25 | 16.70 | 15.98 | 15.73 | cr | 463 |
| 2281 | 189 | 4840 | 10924 | 31.594 | 1.500 | 15.73 | 16.41 | 16.07 | 15.77 | fl | 501 |
| 2862 | 712 | 20346 | 6734 | 34.60 | 1.539 | 15.02 | 15.96 | 15.49 | 15.16 | cr | 397 |
| 2444 | 338 | 10055 | 9955 | 35.90 | 1.555 | 14.96 | 15.82 | 15.39 | 14.91 | fl | 436 |
| 2522 | 411 | 12394 | 18516 | 36.40 | 1.561 | 14.83 | 15.78 | 15.30 | 15.27 | cr | 389 |
| 12625 | 1443 | 15220 | 19278 | 37.21 | 1.571 | 15.95 | 16.62 | 16.28 | 16.28 | fl | 381 |
| 6070 | 1081 | 20193 | 8192 | 37.64 | 1.576 | 15.60 | 16.08 | 15.84 | 15.56 | cr? | 417 |
| 2351 | 254 | 7305 | 13853 | 40.88 | 1.612 | 15.61 | 16.33 | 15.97 | 15.67 | cr | 418 |
| 2423 | 322 | 9560 | 7458 | 40.80 | 1.610 | 16.17 | 16.82 | 16.50 | 16.03 | fl | 456 |
| 915 | 44 | 8651 | 9317 | 47.76 | 1.679 | 15.03 | 15.78 | 15.40 | 14.89 | fl | 451 |
| 925 | 54 | 9393 | 7486 | 50.87 | 1.706 | 16.50 | 17.20 | 16.85 | 16.38 | fl | 430 |

HV

- 5774 JD 13000 to 17000, 11^h476; 23000 to 27000, 11^h458; 27000 on, 11^h439.
 5756 JD 13000 to 27000, 17^h616; 27000 to 31400, 17^h568; 31400 to 34750, 17^h604.
 5690 Period variable.
 5829 JD 18000 to 30000, 32^h622; 30000 on, 32^h672. Curve variable.
 2281 Period erratically variable; a few minima reach 16.60.

HV

- 2862 Period erratically variable.
 2522 Curve very variable; quiescent intervals; light curve derived from 15 cycles of maximal variation.
 2351 JD 13900 to 26000, 40^h566, 26000 on, 40^h876.
 2423 JD 26400 to 29600, 41^h235; 29600 to 33600, 40^h798.
 925 Small erratic variations of period; light curve refers to JD 27000 to 28000.

TABLE 7.—*RR Lyrae stars*

| HV | LMV | X | Y | Publ. P | P | log P | M | m | (m) | A | M - m | R | W | Max. JD 2400000+ | Obs. |
|--------|------|--------|-------|--------------------|------------------------|---------|-------|-------|--------|-------|--------|--------|--------|------------------|------|
| 2370* | 273 | 7999 | 420 | 0 ^d .41 | 0 ^d .409841 | -0.3784 | 13.03 | 14.11 | 13.62 | 1.08 | 0.215 | 0.138 | 0.448 | 30590.575 | 338 |
| 6083 | 1088 | 21470 | 17617 | ... | 0.452991 | -0.3439 | 15.89 | 16.95 | 16.66 | 1.06 | 0.245 | 0.110 | 0.378 | 31803.508 | 315 |
| 12708 | 1516 | -10581 | 15252 | ... | 0.458837 | -0.3383 | 13.42 | 14.83 | 14.22 | 1.41 | 0.150 | 0.075 | 0.427 | 28135.359 | 146 |
| 12852* | 1630 | 21978 | 23188 | ... | 0.471993: | -0.3261 | 16.83 | 17.43 | 17.04 | 0.60 | 0.381 | 0.115 | 0.412 | 31702.609 | 80 |
| 12779 | 1573 | 10229 | -1064 | ... | 0.473026 | -0.3251 | 16.62 | 17.64 | 17.00 | 1.02 | 0.235: | 0.113 | 0.252 | 30963.620 | 139 |
| U 6 | 1726 | 13588 | 27518 | 0.48268 | 0.482837 | -0.3162 | 11.83 | 13.02 | 12.53 | 1.19 | 0.160 | 0.087 | 0.364 | 30767.272 | 333 |
| 12871 | 1643 | 26155 | 10513 | ... | 0.484627 | -0.3146 | 15.96 | 16.90 | 16.57 | 0.94 | 0.130 | 0.092 | 0.259 | 29703.248 | 105 |
| 12741 | 1541 | 1738 | 23815 | ... | 0.493706 | -0.3065 | 15.91 | 16.88 | 16.47 | 0.99 | 0.240 | 0.117 | 0.391 | 25201.492 | 226 |
| 8033 | 1108 | -6319 | 1497 | ... | 0.520998 | -0.2832 | 15.62 | 16.46 | 16.11 | 0.84 | 0.150 | 0.106 | 0.365 | 30949.626 | 297 |
| 2258* | 170 | 3926 | 15895 | 0.525 | 0.525444 | -0.2799 | 13.55 | 14.59 | 14.17 | 1.04 | 0.130 | 0.083 | 0.395 | 31796.572 | 602 |
| 12857 | 1634 | 20339 | -372 | ... | 0.532723 | -0.2735 | 13.99 | 15.57 | 14.87 | 1.58 | 0.170 | 0.117 | 0.439 | 31855.411 | 191 |
| 12254 | 1251 | 25696 | -7306 | 0.542 | 0.542291 | -0.2658 | 12.80 | 13.98 | 13.37 | 1.18 | 0.450 | 0.248 | 0.506 | 31172.239 | 132 |
| 2492 | 384 | 11820 | 8704 | 0.5531257 | 0.553133 | -0.2572 | 14.19 | 14.99 | 14.67 | 0.80 | 0.115 | 0.086 | 0.395 | 27799.286 | 490 |
| 924 | 53 | 9454 | 4276 | ... | 0.553379 | -0.2570 | 13.80 | 15.09 | 14.59 | 1.29 | 0.208 | 0.077 | 0.375 | 26452.220 | 448 |
| 12996 | 1676 | 12532 | 781 | ... | 0.563111 | -0.2494 | 15.92 | 16.70 | 16.38 | 0.78 | 0.180 | 0.096 | 0.364 | 27426.396 | 346 |
| 12718 | 1524 | -2412 | 17027 | ... | 0.563688 | -0.2490 | 16.17 | 16.92 | 16.63 | 0.75 | 0.180 | 0.124 | 0.376 | 29994.284 | 282 |
| 12251* | 1248 | 27762 | 16129 | ... | 0.564878 | -0.2480 | 14.37 | 15.17 | 14.84 | 0.80 | 0.260 | 0.088 | 0.338 | 32210.281 | 202 |
| 12764 | 1561 | 8214 | -626 | ... | 0.564947 | -0.2480 | 16.44 | 17.25 | 16.88 | 0.81 | 0.155 | 0.070 | 0.325 | 31303.621 | 256 |
| 12250 | 1247 | 27052 | 16737 | 0.57056 | 0.570578 | -0.2437 | 12.80 | 13.82 | 13.33 | 1.02 | 0.190 | 0.090 | 0.320 | 28875.378 | 209 |
| 13016* | 1690 | 4041 | 10445 | ... | 0.580050: | -0.2365 | 15.85 | 17.00 | 16.64: | 1.15: | 0.240: | 0.050: | 0.319: | 31328.570 | 64 |
| 2284 | 192 | 4932 | 13366 | ... | 0.586755 | -0.2315 | 16.13 | 16.92 | 16.64 | 0.79 | 0.220 | 0.131 | 0.321 | 24408.850 | 402 |
| 12643 | 1460 | 18162 | 18846 | ... | 0.625576 | -0.2033 | 14.74 | 15.85 | 15.49 | 1.08 | 0.180 | 0.113 | 0.359 | 28071.603 | 363 |
| 12691 | 1502 | 22020 | 5880 | ... | 0.629058 | -0.2013 | 15.25 | 16.48 | 15.97 | 1.23 | 0.145 | 0.076 | 0.345 | 23486.545 | 303 |
| 12239 | 1237 | 3797 | 21604 | 0.63148 | 0.631486 | -0.1996 | 13.72 | 14.93 | 14.54 | 1.21 | 0.335: | 0.104 | 0.337 | 30669.451 | 113 |
| 12245 | 1242 | 20714 | 27073 | 0.63216 | 0.633278 | -0.1984 | 14.57 | 16.18 | 15.48 | 1.61 | 0.165 | 0.078 | 0.398 | 32208.347 | 184 |
| 13015* | 1689 | 4019 | 10435 | ... | 0.664298 | -0.1776 | 15.82 | 17.02 | 16.56 | 1.20 | 0.225 | 0.136 | 0.381 | 31107.449 | 364 |
| 2323 | 229 | 6124 | 10500 | 0.688203 | 0.688199 | -0.1623 | 15.39 | 16.39 | 16.00 | 1.00 | 0.175 | 0.106 | 0.387 | 32030.615 | 425 |
| W 2 | 1728 | 1925 | 21503 | ... | 0.760150 | -0.1191 | 16.14 | 16.68 | 16.34 | 0.54 | 0.215 | 0.120 | 0.366 | 28034.592 | 105 |
| 12732* | 1535 | -315 | 19751 | ... | 0.862007: | -0.0645 | 16.31 | 16.77 | 16.50 | 0.46 | 0.295 | 0.168 | 0.438 | 31683.579 | 266 |

TABLE 8.—Long-period variables

| HV | X | Y | Period | M | m | M ₀ | HV | X | Y | Period | M | m | M ₀ |
|--------|-------|-------|--------|-------|-------|----------------|-------|-------|-------|--------|-------|-------|----------------|
| 2883** | 665 | 24999 | 109.0 | 12.87 | 15.14 | ... | 928** | 9724 | 3752 | 410 | 13.87 | 15.38 | ... |
| 2457* | 10515 | 3029 | 136 | 15.76 | 17.71 | ... | 6096 | 23278 | 11726 | 416 | 15.88 | 17.40 | 15.66 |
| 12710* | -6348 | 27355 | 147 | 15.58 | 16.72 | ... | 2555 | 13034 | 19143 | 449 | 14.29 | 16.18 | ... |
| 12854* | 22443 | 25869 | 147 | 14.92 | 16.05 | ... | 5597 | 6219 | 8250 | 468 | 15.00 | 17.78 | 14.50 |
| 5680 | 8640 | 10403 | 151 | 17.15 | 18.35 | 16.64 | 2578 | 13401 | 7350 | 470 | 16.96 | 18.43 | 16.52 |
| 13023 | 6182 | 10584 | 161 | 16.24 | 17.80 | ... | 2586 | 13518 | 17774 | 487 | 14.70 | 16.85 | 14.70 |
| 2882** | 23273 | 3883 | 172 | 10.96 | 13.25 | ... | 5854 | 13056 | 17564 | 524 | 14.70 | 16.03 | 14.70 |
| 2572 | 13252 | 9039 | 201 | 15.47 | 17.50 | 14.94 | 12048 | 12798 | 8040 | 528 | 15.69 | 17.53 | 15.22 |
| 13033 | 12929 | 6561 | 239 | 16.49 | 17.89 | 16.05 | 2576 | 13353 | 6586 | 534 | 16.02 | 17.37 | 15.58 |
| 8034** | -2475 | 3647 | 249 | 12.50 | 17.15 | ... | 6103 | 8395 | 20686 | 560 | 14.77 | 16.20 | 14.59 |
| 2526 | 12432 | 8195 | 252 | 16.73 | 18.24 | 16.26 | 1001* | 15475 | 14833 | 590 | 12.25 | 16.68 | ... |
| 12439 | 14886 | 13508 | 266 | 16.62 | 18.74 | 16.43 | 12227 | 4095 | 19632 | 596 | 15.02 | 17.06 | 14.75 |
| 12252* | 26922 | 9096 | 282 | 12.87 | 17.10 | ... | 2310 | 5777 | 12744 | 598 | 16.07 | 18.29 | 15.62 |
| 12620 | 14610 | 4128 | 321 | 16.77 | 18.80 | 16.16 | 2446 | 10237 | 15236 | 602 | 15.33 | 17.73 | 15.10 |
| 884** | 4099 | 12937 | 335 | 12.66 | 18.07 | ... | 5506 | 2599 | 17624 | 618 | 15.70 | 17.10 | 15.43 |
| 12247* | 25668 | 23676 | 346 | 13.94 | 17.32 | ... | 12070 | 20916 | 9108 | 621 | 15.83 | 17.38 | 15.55 |
| 2575 | 13338 | 14775 | 350: | 16.30 | 18.27 | 16.17 | 11984 | 6972 | 10674 | 623 | 15.70 | 17.25 | 15.21 |
| 12249* | 26860 | 17189 | 351 | 12.62 | 17.32 | ... | 5870 | 13384 | 9840 | 627 | 14.30 | 17.09 | 13.83 |
| 2379 | 8499 | 13952 | 355 | 15.89 | 18.45 | 15.40 | 2604 | 13915 | 9314 | 664 | 13.93 | 16.07 | 13.46 |
| 5810 | 11825 | 8802 | 372 | 15.47 | 17.89 | 14.99 | 12667 | 19458 | 3840 | 664 | 15.88 | 18.03 | 15.30 |
| 2934** | 5872 | 26948 | 390 | 8.12 | 14.60 | ... | 894 | 6354 | 4202 | 705 | 15.10 | 16.64 | 14.72 |
| 12326 | 11494 | 7040 | 397 | 15.35 | 17.45 | 14.90 | 2360 | 7665 | 16084 | 790 | 13.85 | 17.11 | ... |
| 2763 | 16837 | 8066 | 400 | 15.40 | 17.54 | 14.93 | | | | | | | |

| | |
|--|--|
| <p>HV</p> <p>2882 Spectrum K7e, Cannon (1936); Me, Feast, Thackeray, and Wesselink (1960).</p> <p>8034 RT Mensae.</p> <p>12252 SV Doradus.</p> <p>884 RX Doradus; spectrum M7, Cannon (1936).</p> <p>12247 UY Doradus.</p> <p>12249 VV Doradus.</p> <p>5810 TX Doradus.</p> <p>2394 RT Mensae = HV 6100. Spectrum M7e, Cannon (1936).</p> | <p>HV</p> <p>12326 Period given as 2^d22 by Shapley and Nail (1955a). Hodge and Wright (1967) note that the published position is incorrect. The star measured is the one marked in the Hodge-Wright atlas. Another star must have been measured by Shapley and Nail.</p> <p>2576 Period may be 267 days.</p> <p>1001 Spectrum M 2, Westerlund (1961).</p> <p>5506 Period may be 309 days.</p> <p>5870 Spectrum M 1.5, Westerlund (1961).</p> |
|--|--|

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|--|--|
| <p>HV</p> <p>← 2258 Period erratically variable; phases empirically corrected.</p> <p>2370 T Mensae: $M = 30590.575 + 0^{\text{d}}.409841 E + 8^{\text{h}}.1 \times 10^{-6} E^2$</p> <p>12251 Scatter; systematic difference between Bruce (A) and Metcalf (MF) plates, empirically corrected.</p> | <p>HV</p> <p>12732 Period doubtful; close companions.</p> <p>12852 Scatter; close companion.</p> <p>13015 In the faint cluster HS 83, Hodge and Sexton (1966).</p> <p>13016 In the faint cluster HS 83.</p> |
|--|--|

TABLE 9.—*Cyclic variables*

| HV | X | Y | Cycle | M | m | M ₀ | HV | X | Y | Cycle | M | m | M ₀ |
|--------|-------|-------|---------|-------|-------|----------------|-------|-------|-------|-------|-------|-------|----------------|
| 2434 | 9793 | 2116 | 200-300 | 15.36 | 16.10 | 14.93 | 12420 | 3720 | 5400 | 640 | 14.36 | 15.84 | 13.84 |
| 12830* | 14622 | -493 | 210 | 12.62 | 14.54 | 12.62 | 13046 | 17057 | 3106 | 646 | 16.62 | 18.76 | 16.18 |
| 2849 | 19574 | 16425 | 375 | 15.22 | 18.25 | 15.05 | 2532 | 12554 | 9582 | 650 | 14.37 | 16.37 | 13.77 |
| 2677 | 15066 | 10324 | 400 | 15.26 | 17.62 | 14.84 | 12501 | 2820 | 7860 | 675 | 13.58 | 15.84 | 13.02 |
| 2700 | 15550 | 17346 | 404 | 14.83 | 16.47 | 14.78 | 2239 | 1415 | 17182 | 700 | 13.72 | 15.12 | 13.25 |
| 12437 | 14838 | 18198 | 422 | 14.42 | 15.68 | 14.37 | 996 | 14563 | 14165 | 760 | 13.15 | 16.15 | 12.80 |
| 12495 | 2298 | 9120 | 499 | 14.10 | 16.00 | 13.48 | 2255 | 3800 | 5414 | 830 | 14.48 | 16.98 | 13.96 |
| 5584 | 6032 | 4898 | 500: | 16.61 | 18.29 | 16.07 | 888 | 4678 | 16045 | 850 | 12.80 | 15.30 | 12.36 |
| 897 | 6566 | 3346 | 515 | 15.15 | 17.35 | 14.67 | 12793 | 11304 | 22249 | 1000: | 14.72 | 16.20 | 14.52 |
| 1004 | 15954 | 17745 | 555 | 13.79 | 15.95 | 13.74 | 2399 | 8952 | 6547 | 1020: | 15.70 | 17.40 | 15.13 |
| 963 | 12804 | 17885 | 600 | 13.03 | 14.65 | 12.82 | 12407 | 1818 | 4650 | 1465: | 14.44 | 14.96 | 13.89 |
| 2602 | 13886 | 10290 | 600 | 13.43 | 15.30 | 12.85 | | | | | | | |

TABLE 10.—*Irregular variables of large range*

| HV | X | Y | M | m | M ₀ | Color | HV | X | Y | M | m | M ₀ | Color |
|------|-------|-------|-------|-------|----------------|----------|-------|-------|-------|-------|-------|----------------|----------|
| 916 | 8407 | 15670 | 14.72 | 16.68 | 14.21 | red | 5654 | 7940 | 16049 | 14.44 | 16.43 | 13.90 | very red |
| 942 | 11185 | 5983 | 14.44 | 17.74 | 13.96 | | 5666 | 8235 | 8914 | 15.24 | 16.84 | 14.58 | |
| 949 | 11985 | 13144 | 16.21 | 17.33 | 15.72 | red | 5691 | 8818 | 9200 | 14.91 | 16.84 | 14.25 | |
| 957 | 12317 | 9946 | 13.87 | 14.84 | 13.27 | red | 5703 | 9094 | 18970 | 15.74 | 16.74 | 15.27 | |
| 968 | 12804 | 17885 | 13.03 | 14.65 | 12.82 | red | 5713 | 9484 | 20016 | 15.20 | 16.87 | 14.89 | |
| 2238 | 1075 | 5955 | 15.50 | 17.36 | 14.95 | | 5714 | 9528 | 10086 | 15.93 | 17.13 | 15.35 | |
| 2275 | 4640 | 15340 | 15.49 | 16.77 | 15.04 | | 5743 | 10164 | 8056 | 15.83 | 17.18 | 15.25 | |
| 2306 | 5725 | 8705 | 13.75 | 14.75 | 13.10 | red | 5762 | 10592 | 14450 | 13.71 | 14.91 | 13.25 | |
| 2308 | 5737 | 11753 | 16.18 | 17.22 | 15.58 | | 5773 | 10915 | 5825 | 16.45 | 17.45 | 15.97 | |
| 2397 | 8856 | 8220 | 15.31 | 16.51 | 14.65 | | 5804 | 11780 | 19086 | 15.23 | 16.23 | 14.98 | |
| 2450 | 10263 | 13548 | 12.88 | 14.00 | 12.39 | very red | 5847 | 12948 | 19876 | 14.96 | 16.00 | 14.75 | |
| 2479 | 11462 | 8264 | 15.29 | 16.66 | 14.71 | red | 5869 | 13373 | 13157 | 17.07 | 18.16 | 16.66 | |
| 2493 | 11831 | 5994 | 15.78 | 18.50 | 15.30 | | 5914 | 14456 | 17536 | 13.00 | 15.37 | 12.95 | very red |
| 2530 | 12533 | 7824 | 14.46 | 15.56 | 13.91 | | 5933 | 14888 | 17240 | 13.74 | 15.61 | 13.69 | very red |
| 2556 | 13047 | 9784 | 14.84 | 16.35 | 14.23 | red | 5939 | 15140 | 17684 | 14.38 | 15.38 | 14.33 | |
| 2565 | 13214 | 9918 | 13.43 | 14.43 | 12.83 | very red | 5967 | 15890 | 16380 | 15.58 | 16.85 | 15.53 | red |
| 2566 | 13217 | 12285 | 13.29 | 14.35 | 12.88 | very red | 5970 | 15940 | 11396 | 15.85 | 16.95 | 15.43 | red |
| 2570 | 13246 | 9135 | 14.85 | 16.05 | 14.25 | | 6002 | 17317 | 9420 | 16.18 | 17.65 | 15.55 | red |
| 2627 | 14224 | 15995 | 14.91 | 16.44 | 14.66 | red | 6042 | 19407 | 4785 | 15.75 | 18.19 | 15.23 | |
| 2635 | 14287 | 9544 | 14.50 | 15.50 | 13.86 | | 11979 | 6312 | 10398 | 15.50 | 16.50 | 14.93 | |
| 2649 | 14482 | 9234 | 13.91 | 15.09 | 13.27 | | 11982 | 6840 | 10206 | 15.27 | 16.40 | 14.70 | |
| 2655 | 14581 | 8902 | 15.75 | 16.78 | 15.11 | blue | 12042 | 12576 | 7068 | 15.01 | 16.33 | 14.46 | |
| 2740 | 16354 | 9601 | 16.00 | 17.00 | 15.37 | red | 12454 | 648 | 15720 | 16.18 | 17.50 | 15.79 | |
| 2747 | 16626 | 12944 | 13.69 | 18.61 | 13.29 | very red | 12524 | 4332 | 9444 | 15.27 | 17.12 | 14.62 | |
| 2761 | 16815 | 9024 | 15.20 | 16.22 | 14.57 | red | 12570 | 8808 | 1983 | 15.47 | 16.81 | 15.11 | |
| 2768 | 17050 | 6804 | 15.70 | 16.75 | 15.05 | | 12602 | 12936 | 2160 | 15.38 | 16.52 | 15.08 | |
| 2852 | 19761 | 14077 | 15.43 | 16.54 | 15.08 | red | 12611 | 13668 | 2628 | 14.10 | 15.18 | 13.80 | |
| 5576 | 5835 | 4814 | 15.04 | 16.16 | 14.56 | red | 12873 | 25763 | 3930 | 15.36 | 17.50 | 15.36 | |
| 5593 | 6144 | 3642 | 14.82 | 15.93 | 14.34 | very red | 12998 | 14066 | 9100 | 15.72 | 17.25 | 15.08 | very red |
| 5629 | 7124 | 9937 | 14.36 | 15.41 | 13.72 | blue | 13011 | 616 | 19898 | 15.70 | 17.00 | 15.28 | |

HV

- 957 Spectrum M 0.5, Westerlund (1961).
 2397 Shapley and Nail (1955a) assign to RR Lyrae class; probably a different star.
 2493 Shapley and Nail (1955a) assign to long-period variables, period 552^d.5.

HV

- 2565 Westerlund (1961) gives B-V = 2.38.
 2627 Spectrum M 1.5, Westerlund (1961).
 2740 Shapley (1931) gives period 23^d.045; star perhaps confused with HV 2749.

TABLE 11.—*R Coronae Borealis stars*

| HV | X | Y | M | m | M ₀ |
|-------|-------|-------|-------|-------|----------------|
| 966 | 12664 | 2321 | 13.37 | 17.57 | 13.07 |
| 5637 | 7400 | 13866 | 16.38 | 18.20 | 15.80 |
| 12671 | 20148 | 15072 | 14.47 | 16.81 | 14.03 |
| 12842 | 19543 | 26775 | 14.15 | 17.92 | 14.15 |

TABLE 12.—*Adopted corrections for absorption*

| $\frac{X}{Y}$ | 1000 | 1000 | 3000 | 5000 | 7000 | 9000 | 11000 | 13000 | 15000 | 17000 | 19000 | 21000 | 23000 | 25000 | 27000 | 29000 |
|---------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1000 | 0.00 | 0.00 | 0.38 | 0.37 | 0.41 | 0.28 | 0.24 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1000 | 0.00 | 0.00 | 0.42 | 0.38 | 0.46 | 0.36 | 0.32 | 0.23 | 0.11 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3000 | 0.59 | 0.50 | 0.45 | 0.41 | 0.48 | 0.43 | 0.39 | 0.30 | 0.38 | 0.44 | 0.44 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5000 | 0.63 | 0.55 | 0.52 | 0.48 | 0.54 | 0.52 | 0.48 | 0.48 | 0.55 | 0.59 | 0.52 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7000 | 0.59 | 0.57 | 0.56 | 0.55 | 0.55 | 0.57 | 0.53 | 0.55 | 0.68 | 0.65 | 0.59 | 0.44 | 0.41 | 0.00 | 0.00 | 0.00 |
| 9000 | 0.69 | 0.67 | 0.62 | 0.65 | 0.64 | 0.66 | 0.58 | 0.60 | 0.64 | 0.63 | 0.59 | 0.40 | 0.24 | 0.00 | 0.00 | 0.00 |
| 11000 | 0.33 | 0.47 | 0.60 | 0.60 | 0.57 | 0.58 | 0.51 | 0.58 | 0.42 | 0.58 | 0.52 | 0.47 | 0.29 | 0.25 | 0.21 | 0.21 |
| 13000 | 0.17 | 0.38 | 0.58 | 0.55 | 0.58 | 0.55 | 0.49 | 0.41 | 0.32 | 0.40 | 0.41 | 0.47 | 0.25 | 0.21 | 0.00 | 0.00 |
| 15000 | 0.27 | 0.39 | 0.44 | 0.45 | 0.54 | 0.51 | 0.46 | 0.32 | 0.25 | 0.29 | 0.35 | 0.44 | 0.33 | 0.25 | 0.00 | 0.00 |
| 17000 | 0.43 | 0.47 | 0.41 | 0.44 | 0.54 | 0.56 | 0.45 | 0.21 | 0.05 | 0.13 | 0.17 | 0.25 | 0.19 | 0.00 | 0.00 | 0.00 |
| 19000 | 0.00 | 0.42 | 0.33 | 0.39 | 0.42 | 0.47 | 0.25 | 0.21 | 0.14 | 0.08 | 0.05 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| 21000 | 0.00 | 0.22 | 0.30 | 0.41 | 0.32 | 0.31 | 0.17 | 0.14 | 0.08 | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| 23000 | 0.00 | 0.00 | 0.00 | 0.27 | 0.11 | 0.12 | 0.20 | 0.11 | 0.02 | 0.06 | 0.07 | 0.01 | 0.19 | 0.00 | 0.00 | 0.00 |
| 25000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.10 | 0.10 | 0.16 | 0.01 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 |

TABLE 13.—*Eclipsing stars in the Large Magellanic Cloud*

| HV | LMV | X | Y | Publ. P | P | M ₀ | m ₀ | ⟨M⟩ ₀ | Normal Min. JD 2400000+ | Obs. Rem. |
|------|------|-------|-------|------------|------------|----------------|----------------|------------------|----------------------------|-----------|
| 910 | 39 | 7089 | 11202 | 1. 331 | 4. 022348 | 15. 42 | 16. 62 | 15. 92 | 29577. 384 | 463 |
| 930 | 59 | 9957 | 12914 | ... | 57. 640209 | 15. 31 | 16. 16 | 16. 12 | 27413. 340 | 449 |
| 936 | 65 | 10564 | 7967 | 10. 032 | 10. 031599 | 14. 19 | 16. 17 | 14. 76 | 29627. 308 | 460 |
| 940 | 69 | 11124 | 10414 | 3. 01988 | 3. 019670 | 15. 25 | 16. 43 | 15. 80 | 23683. 870 | 461 |
| 981 | 109 | 13446 | 7471 | 8. 48601 | 8. 486443 | 15. 66 | 17. 22 | 15. 91 | 29926. 449 | 484 |
| 982 | 110 | 13654 | 9686 | ... | 5. 335268 | 14. 43 | 15. 15 | 15. 03 | 29189. 469 | 476 |
| 1020 | 146 | 18203 | 11346 | ... | 1. 727032 | 14. 93 | 15. 38 | 15. 02 | 27807. 443 | 518 |
| 1022 | 148 | 18675 | 9300 | 2. 5221 | 2. 522100 | 15. 35 | 16. 21 | 15. 69 | 26977. 615 | 426 |
| 2240 | 155 | 1575 | 13503 | ... | 65. 724613 | 14. 96 | 16. 29 | ... | 26572. 627 | 425 |
| 2241 | 156 | 1885 | 18265 | 4. 34263 | 4. 342634 | 13. 54 | 14. 25 | 13. 91 | 29219. 342 | 606 Note |
| 2259 | 171 | 4000 | 8348 | ... | 27. 110557 | 14. 31 | 15. 18 | ... | 31713. 545 | 449 |
| 2274 | 182 | 4596 | 11873 | 5. 7261 | 5. 725868 | 14. 76 | 15. 79 | 15. 68 | 31299. 629 | 419 |
| 2329 | 235 | 6394 | 9294 | 4. 1764 | 4. 176394 | 15. 58 | 16. 67 | 15. 98 | 32915. 336 | 458 |
| 2348 | 251 | 7206 | 8728 | 1. 99001 | 1. 989998 | 14. 24 | 14. 97 | 14. 64 | 32875. 527 | 475 |
| 2350 | 253 | 7254 | 6931 | ... | 0. 494735: | 15. 82 | 15. 98 | 15. 98 | 26412. 253 | 423 |
| 2374 | 277 | 8186 | 18573 | ... | 28. 494087 | 14. 70 | 15. 44 | 15. 35 | 31304. 638 | 468 |
| 2376 | 279 | 8382 | 3918 | ... | 96. 015632 | 14. 83 | 17. 18 | ... | 26335. 447 | 429 |
| 2401 | 302 | 8985 | 16897 | ... | 2. 944762 | 14. 50 | 15. 31 | 14. 90 | 27807. 476 | 162 Note |
| 2403 | 304 | 9073 | 14127 | ... | 1. 311646 | 15. 76 | 16. 39 | 16. 25 | 16814. 656 | 348 |
| 2425 | 324 | 9638 | 11687 | 5. 8686217 | 5. 868613 | 15. 85 | 16. 63 | 16. 13 | 27454. 363 | 460 |
| 2435 | 332 | 9825 | 12950 | ... | 0. 285464 | 11. 19 | 11. 46 | 11. 44 | 24802. 831 | 467 Note |
| 2436 | 333 | 9845 | 8346 | 3. 011 | 3. 011150 | 16. 32 | 17. 49 | 16. 42 | 26453. 220 | 450 |
| 2451 | 345 | 10270 | 6284 | ... | 3. 046652 | 16. 69 | 17. 18 | 16. 80 | 27449. 462 | 428 |
| 2505 | 395 | 12044 | 11969 | ... | 0. 992202 | 14. 85 | 15. 60 | 15. 51 | 24053. 784 | 517 |
| 2525 | 414 | 12424 | 20106 | ... | 18. 778215 | 14. 33 | 14. 57 | 14. 45 | 25189. 578 | 452 |
| 2543 | 428 | 12779 | 16774 | 2. 414 | 4. 829052 | 12. 11 | 13. 07 | 12. 62 | 27449. 339 | 454 |
| 2597 | 476 | 13815 | 7753 | 0. 645 | 0. 645038 | 16. 82 | 17. 54 | 16. 90 | 32151. 341 | 446 |
| 2608 | 483 | 13943 | 7357 | 2. 917 | 2. 917229 | 16. 82 | 17. 87 | 16. 48 | 25940. 528 | 460 |
| 2629 | 500 | 14233 | 9773 | ... | 2. 853311 | 14. 36 | 15. 49 | 14. 74 | 30647. 582 | 450 |
| 2651 | 518 | 14519 | 10386 | ... | 2. 913524 | 14. 65 | 15. 74 | 15. 24 | 31332. 626 | 462 |
| 2656 | 522 | 14600 | 12387 | ... | 1. 133110 | 14. 85 | 15. 33 | 15. 31 | 16820. 747 | 468 |
| 2691 | 552 | 15420 | 10674 | 1. 2555 | 1. 255542 | 15. 80 | 16. 43 | 16. 26 | 31111. 542 | 436 |
| 2731 | 590 | 16239 | 15234 | ... | 8. 809874 | 15. 10 | 15. 57 | 15. 27 | 30751. 283 | 417 |
| 2765 | 622 | 16864 | 9261 | ... | 2. 149396 | 13. 95 | 14. 75 | 14. 53 | 27456. 309 | 460 |
| 2774 | 630 | 17144 | 11038 | 3. 65242 | 3. 652368 | 15. 42 | 16. 28 | 15. 72 | 23737. 848 | 526 |
| 5549 | 768 | 4955 | 13962 | ... | 6. 065863 | 14. 68 | 15. 56 | 14. 95 | 28758. 570 | 435 |
| 5581 | 783 | 5944 | 12412 | 5. 916 | 5. 916005 | 15. 25 | 15. 99 | 15. 52 | 31304. 630 | 449 |
| 5587 | 786 | 6083 | 5634 | ... | 3. 161266 | 14. 97 | 15. 81 | 15. 42 | 27426. 448 | 448 |
| 5669 | 833 | 8302 | 10876 | 4. 591 | 4. 591410 | 15. 97 | 16. 83 | 16. 14 | 29927. 447 | 363 |
| 5753 | 898 | 10328 | 12881 | ... | 0. 825964 | 14. 85 | 15. 49 | 15. 40 | 27807. 516 | 538 |
| 5816 | 933 | 11930 | 9540 | ... | 3. 388762 | 16. 57 | 17. 01 | 16. 83 | 32023. 644 | 458 |
| 5837 | 945 | 12529 | 15212 | 3. 41755 | 3. 417261 | 16. 32 | 16. 90 | 16. 52 | 29222. 409 | 422 |
| 5864 | 958 | 13240 | 1517 | ... | 3. 426488 | 15. 15 | 16. 11 | 15. 51 | 29129. 635 | 431 Note |
| 5872 | 963 | 13434 | 19086 | ... | 1. 363170 | 15. 47 | 16. 30 | 16. 01 | 25997. 359 | 400 |
| 5876 | 965 | 13548 | 13394 | ... | 1. 270806 | 16. 73 | 17. 17 | 17. 09 | 23529. 516 | 385 Note |
| 5929 | 992 | 14760 | 12048 | ... | 1. 113113 | 15. 13 | 15. 72 | 15. 72 | 28041. 643 | 469 |
| 5936 | 997 | 14980 | 18844 | ... | 2. 805073 | 15. 14 | 15. 84 | 15. 32 | 23486. 545 | 404 |
| 5943 | 1003 | 15220 | 18440 | ... | 3. 662789 | 14. 21 | 14. 99 | 14. 77 | 31740. 496 | 425 |

TABLE 13.—*Eclipsing stars in the Large Magellanic Cloud—continued*

| HV | LMV | X | Y | Publ. P | P | M _o | m _o | <m> _o | Normal Min. JD 2400000+ | Obs. Rem. |
|-------|------|-------|-------|----------|-----------|----------------|----------------|------------------|----------------------------|-----------|
| 5963 | 1014 | 15806 | 5316 | 3.257 | 3.256682 | 15.78 | 16.37 | 16.29 | 27457.311 | 424 |
| 5989 | 1032 | 16840 | 8126 | 1.3069 | 1.306882 | 15.42 | 15.77 | 15.68 | 26571.611 | 428 |
| 6029 | 1058 | 18198 | 12572 | ... | 2.235541 | 15.19 | 15.99 | 15.60 | 30725.573 | 454 |
| 6078 | 1086 | 21099 | 10974 | 7.283745 | 7.284011 | 15.00 | 16.09 | 15.06: | 28777.636 | 411 |
| 11999 | 1130 | 8319 | 9168 | 2.008036 | 2.008016 | 15.11 | 17.27 | 15.16 | 27801.321 | 463 |
| 12063 | 1174 | 19194 | 8688 | 8.75493 | 8.756720 | 16.44 | 17.54 | ... | 27807.283 | 264 |
| 12190 | 1195 | 6501 | 22902 | 7.18282 | 7.182824 | 14.23 | 15.43 | 14.46 | 30672.446 | 340 |
| 12228 | 1227 | 12354 | 8352 | ... | 5.874405 | 16.72 | 17.52 | ... | 34748.337 | 423 |
| 12244 | 1241 | 15755 | -1739 | ... | 0.527775 | 13.11 | 14.16 | 13.27 | 27810.311 | 199 Note |
| 12323 | 1253 | 6048 | 10062 | ... | 8.492785 | 16.05 | 17.17 | 16.24 | 26322.343 | 428 |
| 12324 | 1254 | 6318 | 11850 | 2.656 | 2.656155 | 16.42 | 17.29 | 16.76 | 29926.449 | 431 |
| 12411 | 1278 | 2400 | 4656 | ... | 0.391060: | 14.35 | 14.83 | 14.83 | ... | Note |
| 12440 | 1305 | 14892 | 17628 | 1.92149 | 3.843006 | 14.38 | 15.60 | 14.71 | 27807.399 | 444 |
| 12484 | 1333 | 1512 | 4872 | ... | 3.350134 | 15.22 | 16.12 | 16.10 | 31783.295 | 324 |
| 12493 | 1340 | 2232 | 8976 | ... | 4.995080 | 14.91 | 15.95 | 15.15 | 29674.309 | 203 |
| 12526 | 1367 | 4476 | 6648 | ... | 2.707848 | 16.41 | 17.20 | 16.59 | 31796.415 | 354 |
| 12563 | 1398 | 7662 | 1710 | ... | 6.306562 | 15.80 | 16.68 | 15.95 | 32011.649 | 376 |
| 12576 | 1409 | 9618 | 4086 | ... | 1.174005 | 16.91 | 17.61 | 16.97 | 23732.679 | 395 |
| 12578 | 1411 | 10584 | 19788 | ... | 2.480380 | 15.05 | 15.75 | 15.69 | 29927.447 | 382 |
| 12605 | 1428 | 13020 | 4458 | ... | 2.109131 | 15.82 | 16.44 | 16.38 | 24418.800 | 508 |
| 12610 | 1431 | 13620 | 19008 | ... | 3.163656 | 16.30 | 17.26 | 16.68 | 30647.582 | 402 |
| 12615 | 1436 | 14058 | 19032 | ... | 1.809526 | 14.44 | 15.15 | 14.80 | 28878.403 | 418 |
| 12634 | 1452 | 16902 | 1860 | ... | 1.189185 | 14.83 | 15.67 | 15.49 | 26304.355 | 407 |
| 12714 | 1520 | -973 | 5237 | ... | 1.404264 | 13.28 | 14.18 | 13.35 | 30640.401 | 321 |
| 13014 | 1688 | 3889 | 12541 | ... | 1.042171 | 15.98 | 16.41 | 16.30 | 26303.577 | 411 |
| 13045 | 1719 | 5919 | 20434 | ... | 39.715 | 15.27 | 16.04 | ... | 31702.512 | 107 |
| 13051 | 1752 | 1285 | 15000 | ... | 3.945147 | 16.00 | 17.05 | 16.18 | 29690.297 | 231 |
| 13052 | 1753 | 5541 | 9680 | ... | 1.817637 | 16.35 | 17.09 | 17.05 | 27746.482 | 325 |
| 13053 | 1754 | 7623 | 12059 | ... | 5.726557 | 16.48 | 17.85 | 16.67 | 27421.344 | 360 |
| 13054 | 1755 | 15031 | 19067 | ... | 3.584743 | 15.58 | 16.33 | 15.85 | 30314.493 | 384 |

HV

2241 W 39.
 2350 The period is uncertain; no light curve is given by Gaposkin (1971).
 2401 The published statement that this star is not variable was apparently based only on a study of unsuitable Bache plates.
 2435 RW Doradus, a foreground W Ursae Majoris star.
 5864 Perhaps the star intended in Harvard Reprint 368 under the name HV 5846. The period given

HV

there for this star, 1^h715033, is nearly half that determined by us for HV 5864. HV 5846 is a red star, which we conclude is not variable.
 5876 Perhaps an RR Lyrae star with half the period. Scatter.
 12244 Probably a foreground star.
 12411 Perhaps a foreground W Ursae Majoris star; period doubtful, and no mean light curve derived.

