

General Catalogue

PREPARED AT THE MOUNT WILSON OBSERVATORY
PASADENA, CALIFORNIA

By
RALPH ELMER WILSON

*Mount Wilson and Palomar Observatories
Carnegie Institution of Washington
California Institute of Technology*

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General Catalogue Of Stellar Radial Velocities

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INTRODUCTION

The only comprehensive catalogue of stellar radial velocities was published by Dr. Joseph H. Moore (see bibliography) of the Lick Observatory in 1932. This work, containing data on 6739 stars, has been the standard reference for radial velocities for some twenty years. The rapid accumulation of observations since 1932 has created a need, now generally felt among students of stellar motions, for a new catalogue. The present seems to be a logical time for publication, for it marks not only the completion of approximately half a century of effective radial velocity work, but also the beginning of a new era in astrophysics, in which the emphasis has changed from studies of stellar motions and the dynamics of the stellar system to the application of new techniques to the study of stellar atmospheres and of extragalactic systems. Of the twenty-four observatories which have at one time or another made determinations of radial velocities, five only are continuing this line of work, and but two of these are at present engaged on extensive programs. It seems likely, therefore, that a compilation of the data now available should be useful for a good many years.

The need for a new catalogue was impressed upon me in the late thirties when I undertook a series of

studies of stellar motions and of mean absolute magnitudes of stars with small parallaxes, and started to interline new data in a copy of the Moore catalogue. A card catalogue soon became necessary and has been kept up to date. Dr. Moore had for some years prior to his death planned a revision of his catalogue, and Mrs. Moore and he had kept their records complete up to the end of 1947. When it appeared that he would be unable to carry out his plans, he generously offered me the use of his files. Comparison of the two sets of records has afforded a valuable check on the completeness of the material and the copying of the data.

As a result of the whole-hearted co-operation of the directors and staffs of all the observatories still active in radial velocity work, the catalogue contains hitherto unpublished velocities of about 1000 stars. It presents all the data available to me up to January 1951. The total number of stars listed is 15,107, somewhat more than twice those in the Moore catalogue, and new measures have materially strengthened many of the weaker data in that work. Data are presented for objects within our own galaxy only; that is, stars, gaseous nebulae, and globular clusters.

FORM

When the form of the catalogue was discussed with members of the staffs of the active observatories, a clear-cut difference of opinion developed. Some of the observers thought that, in cases where two or more institutions had observed the same object, the results should be listed separately, as was done in Moore's catalogue. The statisticians, on the other hand, were agreed that the one essential is the best value of the radial velocity. In an effort to satisfy both points of view, and keep down publication costs as well, it was decided to publish (1) in the body of the catalogue a single value of the radial velocity, which should be a weighted mean of all the observations reduced to a

standard system, and (2) in the notes following the catalogue the separate uncorrected values for all stars with two or more sets of observations, with the symbol identifying the source accompanied by the number of plates. The standard system adopted is that based on the Lick in-prism observations. One may find the published value of a velocity based on a single authority by removing from the catalogue value the systematic correction applied (table 3). The body of the catalogue, therefore, presents the pertinent information regarding a star on a single line; the pages are uniform, fifty stars to a page, and there is a considerable saving of space and of effort in finding material.

SYSTEMATIC CORRECTIONS

In the introduction to his catalogue Moore says, "It is well known that systematic differences of appreciable size exist between the values of the radial velocities determined at different observatories. Their removal and the reduction of the results to a homogeneous system become matters for careful consideration in preparing a catalogue of radial velocity determinations." Yet his mean differences by type between various observatories showed comparatively few well established and significant differences. As the emphasis in observing has proceeded to fainter stars and smaller dispersions, it is probable that the differences between observatories are less significant than they were when Moore's catalogue was in preparation. Especially is this true of the larger observatories which are using a variety of spectrographs and cameras, the results from which may well differ more among themselves than they differ in the mean from a standard system. Differences between

instrumental combinations and the effects of revisions in systems of wave lengths do not in general appear in the published results, and a compiler would face an enormous and probably unprofitable task should he attempt to untangle the observations. The differences between observatories should, however, be investigated with regard to consistency in the run of signs, and the relative sizes of the means and their probable errors. Our task was made easier by the circumstance that half the institutions measuring radial velocities had given up this type of work before the completion of Moore's catalogue. For these institutions his comparisons need not be reconsidered. Material from Victoria and Mount Wilson is about double that available in 1932, and since that time Dunlap, McDonald, and Simeis have been very productive. The latter three observatories have devoted their efforts to the observation of stars in general fainter than those on the Lick program, and the direct overlap is

TABLE 1
Comparison of radial velocities determined at various observatories (see page ix for symbols)

	O-B6		B7-A4		A5-F4		F5-G4		G5-K4		K5-M	
	no.	km/sec	no.	km/sec	no.	km/sec	no.	km/sec	no.	km/sec	no.	km/sec
a-wj ₀	83	-0.37 ±0.36	153	-0.38 ±0.30	80	+0.84 ±0.21	102	+0.77 ±0.12	235	-0.50 ±0.09	133	-0.85 ±0.14
(L-V) ₀	64	-0.12 .34	182	+1.21 .24	76	+1.12 .24	61	+1.00 .14	123	+0.52 .09	60	+0.45 .13
(L-Y) ₀	114	-0.17 .31	279	-1.04 .21	55	-0.59 .27	6	.....	12	-0.97 .32	.....	.....
(W-V) ₀	106	+0.39 .48	161	+1.40 .29	149	+0.97 .20	124	+0.61 .13	235	+0.86 .03	69	+1.59 .14
(W-Y) ₀	61	-0.10 .43	148	-0.92 .26	23	-1.53 .42	7	.....	10	-0.58 .29	.....	.....
(V-Y) ₀	54	+0.05 0.37	161	-2.23 .23	41	-2.08 0.37	6	.....	8	-0.75 .34	.....	.....
(L-D) ₀	2	+3.1 1.0	4	+2.9 .51	2	+1.0 2.6	5	-0.2 .28	4	±0.0 .49	6	-1.3 .54
(W-Dj) ₀	4	+1.7 1.1	28	+0.6 .67	40	-0.28 0.41	20	-0.28 .31	73	-0.35 .19	55	-0.84 .20
(V-Dj) ₀	6	-2.4 1.6	49	-0.11 .44	16	-0.53 .59	10	-1.4 .49	12	-1.9 .42	3	-2.9 .94
(L-S) ₀	0	.....	.....	.....	11	-0.1 .31	17	-0.1 .30	7	-1.3 .50	6	+0.2 .53
(*S) ₀	2	.....	16	-1.3 .71	36	+0.3 .29	26	-1.0 .32	27	-0.4 .30	6	+0.4 .29
(V-S) ₀	2	.....	33	+0.3 0.55	26	+1.2 0.45	17	-0.9 0.42	11	-1.9 0.41	5	-1.6 0.42

TABLE 2
Definitive radial velocity differences

	B	A	F	G	K	M
	km/sec	km/sec	km/sec	km/sec	km/sec	km/sec
L-W.....	-0.33 ±0.23	-0.25 ±0.19	+0.66 ±0.19	+0.66 ±0.19	-0.45 ±0.08	-0.92 ±0.12
L-V.....	-0.09 .22	+1.16 .18	+1.37 .19	+1.10 .12	+0.40 .08	+0.55 .12
L-Y.....	-0.22 .22	-1.09 .18	-0.70 .22	.....	-0.84 .20	.....
L-D.....	+0.7 0.90	+1.35 .36	+0.65 .34	+0.10 .26	-0.75 .17	-1.67 .18
L-S.....	.....	-0.22 0.44	+1.03 0.22	-0.13 0.20	-1.06 0.22	-0.28 0.25

TABLE 3
Systematic corrections applied to radial velocities
(Unit, km/sec)

Observatory	A	F	G	K	M	Observatory	A	F	G	K	M
Mount Wilson	0.0	+0.5	+0.5	-0.5	-0.5	Bonn.....	.....	.....	-0.2	-1.6	-2.7
Victoria	+1.0	+1.0	+1.0	+0.5	+0.5	Cape.....	.....	+0.5	+0.9	-0.2	0.0
Yerkes.....	-1.0	-0.5	-1.0	-1.0	-1.0	Cambridge.....	.....	.....	+1.8	+1.8	+1.8
Bunlap.....	+1.0	+0.5	0.0	-1.0	-1.5	Columbus.....	.....	.....	-2.0	-2.0	-2.0
Simeis	0.0	+1.0	0.0	-0.5	-0.5	Michigan.....	+1.8	+1.8	+1.8	+1.8	+1.8
						Ottawa.....	+1.0	.....	.....	.....	.....
						Ottawa(1920-1922),	+9.4	+9.4	+9.4	+9.4	+9.4

in no case sufficient to determine a reliable mean difference. The McDonald observations show no duplication sufficient to justify comparison of that system with any other. Dunlap and Simeis, however, have good overlaps with both Mount Wilson and Victoria. The observed differences are given in table 1. Our procedure was as follows: Definitive differences for Mount Wilson, Victoria, and Yerkes were found by means of a series of relations of the form

$$L-W = \{2\bar{V}\bar{n}^\wedge (L-W)_Q + \bar{V}\bar{n}^\wedge[(L-V)_0 - (W-V)_Q] + \bar{V}\bar{n}^\wedge[(jL-Y)_0 - (W-Y)_0]\} / (2\bar{V}\bar{n}^\wedge + \bar{V}\bar{n}^\wedge + \bar{V}\bar{n}^\wedge)$$

where n denotes the number of differences. With the definitive values of L-W and L-V, formulas of the form

$$JL-D = \left\{ \sqrt{n_1}[(L-W) + (W-D)_0] + \sqrt{n_2}[(L-V) + (CV-D)_0] \right\} / (\sqrt{n_1} + \sqrt{n_2})$$

were applied to determine L-D and L-S. The definitive differences are given in table 2.

In agreement with Moore, we found no significant differences for the stars of class B, except for Ottawa (1920-1922), where a correction of +9.4 is indicated in all classes. For the stars of the other spectral classes the differences were rounded off to the nearest half kilometer and applied as systematic corrections to the radial velocities. All the systematic corrections applied, including those determined by Moore, are given in table 3.

PROBABLE ERRORS

In the days when radial velocities were usually determined from several observations with high dispersion, the probable error derived from residuals from the mean was significant. At present, when, for a large enough statistical sample, we are satisfied with velocities based upon three or four observations with considerably lower dispersion, the probable error derived from interagreement does not mean much. One would prefer, for example, a velocity based upon five observations with an internal probable error of two or even three kilometers to one based upon two observations which happened to agree exactly, giving a zero probable error. We have felt the need for a symbol which would roughly express the value or quality, Q , of a radial velocity, based upon three factors: the number of observations, the dispersion of the spectrograph used, and the interagreement of separate determinations. The statistician does not demand that the values of Q should be finely delineated. He wants to know: Is the value given good, bad, or indifferent? We have adopted Moore's system of weights for the number of observations, in which the weight corresponds to the number of observations up to ten and then increases more slowly, reaching a maximum of 20 for fifty or more observations. Unit weight is assigned to a single I-prism observation. This is multiplied by 2 for H-prism, by 3 for HI- and IV-prism dispersions and the Mount Wilson 32-inch coude*, and by 4 for the 114-inch coude^ The estimate of the quality of the radial velocity is made on the basis of the weight so derived and the probable error, r, within the limits defined in columns 2 and 3 of table 4. L indicates spectra of late type, A5 to M; E_x early type, O to A4_a. The minimum weight for $Q = a$ was purposely made high. Most

of the velocities so graded belong to standard velocity stars, spectroscopic binaries with well determined orbits, well observed bright stars, and other stars of particular interest. For the investigator who is interested in probable errors, the estimated mean probable error corresponding to Q is given in column 4. The distribution of the velocities in quality appears in the last column of the table. Fifty-seven per cent of the velocities are what we should call good; 31 per cent are fair and may be used in statistical investigations with confidence, but with weights reduced depending on the requirements of the problem under investigation. Ten per cent do not tell us much about the individual motions, but have some statistical value. The remaining 1.7 per cent are useless, and were included in the catalogue only because they had been published. They should be disregarded in any statistical investigation.

TABLE 4
Quality definition and distribution

Q	Min. wt.	Max. r	\bar{r}	Per cent
a	10	0.9	0.5	10.3
b	3	2.0	1.2	46.3
c	2	5.0	2.5	31.2
d.....	1 L	10.0	5	10.4
e *.....	1 E	.....	.....	1.7

STATISTICS

Nearly 99 per cent of the stars catalogued were observed at one or more of the ten observatories listed in table 5. The figures indicate the percentage of stars observed at each institution. The excess percentage (37 per cent) represents the overlap due to the observation of many of the stars at more than one institution. The picture presented by these figures is only relative, as a measure based on one plate at one institution may count the same as one based on a hundred or more at another, and a plate with low dispersion may count the same as another with high dispersion*. In any attempt to compare total output, these factors should be considered*

TABLE 5
Sources of radial velocities

Observatory	Per cent	Observatory	Per cent
Mount Wilson	49.2	Simeis	5.6
Lick	31.8	Cape.....	3.4
Victoria	21.7	Bonn	L7
Dunlap	11.9	Ottawa	1.2
Yerkes-McBonal	9.6	Michigan	0.7

The distribution of the stars by type is compared with that given by Moore in table 6. The increased percentages in classes F, G, M and N, R, S are mainly due to the completion of extensive programs covering variable stars, faint dwarfs, and stars with rare types of spectra*

Luminosity classifications are given for about half the stars, including stars of all spectral classes recognized as supergiants and stars of fainter luminosities in classes A5 to M. Such classifications have been omitted for stars with spectra earlier than A5 because it is not thought that the criteria for luminosity for these types have been sufficiently developed to differentiate, especially on plates of low dispersion, between the luminosity groups fainter than supergiant. The 306 stars of classes N, R, and S were counted as giants, though there are possibly some supergiants among the stars of class N. No dwarfs have been recognized in these classes. The distribution of these 7515 stars in luminosity and type is given in table 7.

The excess of supergiants in classes G and K is due to extensive observations of the cepheid variables. The small number of subgiants are nearly equally divided among classes F, G, and K. The rare subdwarfs are mainly in classes F, G, and M. Only one K-type subdwarf appears. The deficiency in the number of subdwarfs as a class and especially in classes K and M is an effect of their faintness. Eighty-eight per cent of the stars with known luminosities are ordinary giants or dwarfs. Eighty-four per cent of the giants have K- and M-type spectra, whereas 68 per cent of the dwarfs have F- and G-type spectra. The small percentage of late-type dwarfs is due to their faintness, but the scarcity of F and G giants is real and well known.

Ninety-four per cent of the 840 stars showing emission spectra are in two groups; B and A stars 45 per cent, and M and N stars 49 per cent.

The types of variation of the 1120 variable stars are given in table 8.

The tabulations and remarks in this section lead to the conclusion that in many ways we now have fair statistical samples of stars of the more common spectral types and luminosities, and of the variables of the more common types*. For the rarer spectral types and classes of variable stars, we shall probably need more material for many years*. These stars, however, are interesting to the astrophysicist for many reasons, and radial velocities will come as by-products of other studies of their spectra. The principal weakness in our sample is the scarceness of data on stars fainter than visual magnitude 5.5 in the southern third of the Milky Way*. The activation of large reflectors in the southern hemisphere

could within the next few years add immeasurably to the information we now possess,

TABLE 6
Distribution of stars by type

Class	Moore (1932)	Wilson (1952)
	per cent	per cent
G-B.,*.....	16.6	13.6
A.....	20.0	18.6
F.....	8.0	11.5
G.....	12.7	14.5
K.....	29.0	24.1
M.....	10.6	13.9
N,R,S.....	0.9	2.0
P, Pec, U.....	2.2	1.6

TABLE 7
Distribution of stars in type and luminosity

Class	Supergiant	Giant	Subgiant	Dwarf	Subdwarf
	per cent	per cent	per cent	per cent	per cent
B.....	19.0	.....	.....	.....	.....
A.....	11.8	.....	.....	.....	5.1
F.....	7.5	4.0	33.1	27.3	36.7
G.....	32.6	5.4	30.8	40.5	41.8
K.....	21.5	46.9	36.1	18.8	1.3
M.....	7.6	36.8	.....	13.4	15.2
N,R,S.....	.....	7.0	.....	.....	.....
AH.....	6.4	47.1	4.0	41.4	1.1

TABLE 8
Distribution of variable stars

Type	Per cent	Type	Per cent
Long-period.....	32.3	BE Lyrae.....	11.9
Cepheid.....	14.4	Irregular.....	5.0
Eclipsing.....	14.1	RV Tauri.....	2.1
Semiregular.....	12.2	Miscellaneous...	8.3

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Mary F. Coffeen who has been my tireless and efficient assistant in all the work and Dr. A. H. Joy who made more than a thousand new classifications of spectra and luminosity which add greatly to the value of the catalogue*

The continued interest and support given the project by the successive directors of the Mount Wilson Observatory—Dr. W. S. Adams, under whom the work was begun, and Dr. L. S. Bowen under whom it was finished—and by Dr. P. W. Merrill, chairman of the department of stellar spectroscopy, has been an inspiration.

DESCRIPTION OF THE CATALOGUE

Column 1. Catalogue Number. In view of the extension of observations to many faint stars., the identification of which as a number in a catalogue of positions, in some personal list, or on a chart has little significance, a running number appears advisable for the sake of uniformity.

Column 2. Star. For the brighter stars, preference has been given to the Greek-letter and variable-star designations, and to the numbers in the Albany General Catalogue of Positions and Proper Motions (GC). When both components of double stars have been observed, the Aitken number (A) is generally given, the additional symbols A and B indicating the brighter and fainter components. For a few double stars not in Aitken, the Burnham number (0) is given. For the fainter stars not in the GC, a wide variety of symbols appears, the origin of some of which it has not been possible to check. Most of the sources are found in the following list:

C	Cincinnati Publications, vol. 18
CC	Cincinnati Publications, vol. 20
BD	Bonner Durchmusterung
NGC	Dreyer, New General Catalogue of Nebulae and Clusters. In cases where individual stars in clusters have been observed, the abbreviation N is followed by the Dreyer number and a number identifying the star; e.g., N 1502-8.
I	First Index Catalogue of Nebulae
II	Second Index Catalogue of Nebulae
K	Kapteyn, Stars in Selected Areas
AC	Astrographic Catalogues. In a few cases the identifications are too long to be contained in the second column, and the final figures appear in the last column; e.g., Cat. No. 2952 = AC 2*2883-259, the final figures being given in the note column.

Personal lists:

F	Furuhjelm
J	Jonckheere
He	Hertzsprung
Lee	O. Lee, Red Stars from Dearborn Objective Prism Survey
LDs	Luyten, Double Stars
LPM	Luyten, Proper Motion Stars
L _L Luy	Luyten, Miscellaneous lists
Me	Leander McCormick Observatory, Faint Dwarf Stars
MSB	Merrill, Sanford, Burwell
MWC	Mount Wilson Catalogue
Ross	F. E. Ross, Faint Proper Motion Stars
Tr	R. W. Trumpler, Stars in Open Clusters
WoU	Max Wolf, Faint Proper Motion Stars

Column 3. Number in the Henry Draper Catalogue (HD).

Column 4. Right ascension for 1950.

Column 5. Declination for 1950.

Column 8. Visual magnitude, except where underlined to indicate photographic magnitude. Visual magnitudes are from the fit), whenever available. For the

variable stars the magnitudes are maxima as given in the 1948 Catalogue of Variable Stars by Kukarkin and Parenago, and supplementary lists.

Column 9. Proper motion, mostly from the GC, the Yale Zones, and the Cincinnati catalogues. In many cases the weaker GC proper motions have been combined with those from the Yale Zones.

Column 8. Spectral type, usually derived from slit spectrograms. Where these are not available, objective-prism classifications are given. For classes A5 to M the luminosity classification when given by the observer has been entered.

Column 9. Radial velocity, weighted mean value, reduced to the Lick system.

Column 10. Quality of the radial velocity.

Column 11. Total number of plates on which the radial velocity is based.

Column 12. Observatories contributing to the mean radial velocity. The observatories are indicated by the following symbols:

A	Allegheny	Md	McDonald
B	Bonn	Mi	Michigan
C	Cape	O	Ottawa
Cd	Cordoba	Pk	Pulkova
Cm	Cambridge	Pm	Potsdam
Cs	Columbus	Pn	Perkins
D	Dunlap	Pr	Paris
Db	Dearborn	S	Simeis
F	Fehrenbach (Haute Provence)	V	Victoria
		Vn	Vienna
Hd	Harvard	W	Mount Wilson
L	Lick	We	Mount Wilson (9-ft. coude")
Lw	Lowell		
M	Moore General Cat- alogue	Y	Yerkes

Column 13. The last column contains a variety of short notes, indicating spectroscopic binaries, types and periods of variable stars, double spectra, etc. Its primary function, however, is to give emission and interstellar velocities. These have been given preference over any other kind of note; hence, except in the rare cases where a star shows all three kinds of line--absorption, emission, and interstellar--all velocities appear in the body of the catalogue. An asterisk in this column indicates that further information will be found in the notes.

Abbreviations used in this column and in the notes are: Em, emission lines; IS, interstellar lines; Sp, spectrum; SB, spectroscopic binary; Orb., orbit, followed if space permits by the computer's name (if more than one orbit exists, the word "Orbits" is used and further details are given in the notes); Cep, cepheid; JRR, RR Lyrae variable; £A_p EB, or E, eclipsing variable; P, long-period variable; RV, RV Tauri variable; RW, RW Tauri variable; RCRB, R Coronae Borealis variable; Ori, Orion type variable; SR_s semiregular variable; Irr, irregular variable; Pec, peculiar variable; Uj type of variation unknown; VB, visual binary. Periods of variable stars follow the symbols denoting the type of variation. A number in parentheses following the symbol SB indicates the observed velocity range.

NOTES

The notes following the catalogue contain the separate mean radial velocities determined at more than one institution, and remarks too extensive to be entered in the last column of the catalogue. Abbreviations here are the same as in the catalogue. The radial velocity indicated is followed by the symbol designating the observatory and the number of plates used. A single binary

orbit is indicated by "Orb." followed by the name or names of the computers. If more than one orbit is used, "Orbits" appears either in column 13 or in the notes, and the different values of the center-of-mass velocities are followed by the computers' names in parentheses. A number in parentheses indicates that the velocity was not used in deriving the mean catalogue value.

Cat. No.	Star	HJD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'	"		km/sec						
1		33342	225001	0	00.0	+15	59	7.2	0.047	A2	- 11.0	b	6	S	
2	A	1A	225009		00.0	+65	49	6.0	.011	gG5	- 18.1	b	5	W	
3	A	1B	225010		00.1	+65	49	7.5	.011	A1	- 6.7	b	3	W	
4		6	225023		00.2	+35	32	7.3	.004	A2	- 2	c	8	S	
5	RU	Scl	225041		00.2	-25	13	9.4v	.047	A0	+ 45	e	1	W	RR 0.49
6	TW	And	.....		00.7	+32	34	8.8v	....	*	- 46.0	b	31	Md	dFO +dG6 *
7	Y	Cas	225082		00.8	+55	24	8.7v	.011	gM7e	- 12	c	2	W	Em -26 *
8		16	225093		00.8	+72	54	7.5	.036	A2	- 14	c	8	D	SB 2-sp
9		17	225094		00.8	+63	22	6.3	.962	cB2e	- 43	c	12	WV	IS -22 c 9 *
10		23	225132		01.2	-17	37	4.6	.022	AOn	- 5	d	13	LY	*
11		24	225136		01.3	+66	26	6.6	.021	gM4	+ 15.1	b	6	DW	*
12	60°	2663	225146		01.4	+60	50	8.6	<... .	B0	- 29.0	b	4	W	IS -21.4 b 3
13	61°	2585	225160		01.5	+61	57	8.6	... .	O8e	- 46	b	3	W	IS -22.6 b
14		30	225180		01.6	+62	01	6.0	.011	A2	- 17.7	b	5	WV	*c
15	41°	4932	225191		01.8	+42	19	8.2	.017	sgF7	+ 21.2	b	3	L	
16	SV	And	225192		01.8	+39	50	7.7v	.048	gM7e	- 87	b	3	W	Em -98.8 *
17		33	225197		01.8	-16	48	5.8	.064	gK2	- 26.9	b	3	W	
18		36	225212		01.9	-10	47	5.2	.010	cK5	- 42.0	a	20	3	*c
19	SU	And	225217		02.0	+43	16	8.0v	.017	N	- 6	c	3	W	
20	A	30A	225218		02.0	+41	49	6.0	.021	A2	- 8.0	b	6	V	
21	A	30B	.....		02.0	+41	49	9.2	....	dFO	- 36	d	4	W	SB(49)
22		39	225216		02.1	+66	53	5.8	.092	gK1	- 27.1	b	3	W	
23		42	225253		02.2	-71	43	5.6	.039	B8	- 3	d	4	L	
24		44	225239		02.3	+34	23	6.2	.764	dF9	+ 4.4	b	6	VW	*
25		45	225257		02.3	+58	15	6.5	.016	B3	+ 11	c	10	V	SB
26		47	225276		02.4	+26	22	6.5	.106	K2	- 4.6	b	4	D	
27	C	3164	225272		02.4	+65	09	7.5	.134	G7	+ 22	d	1	V	
28	A	41A	225291		02.4	+45	24	7.9	.068	dF6	- 17.0	b	4	W	
29	A	41B	.....		02.4	+45	24	8.9	....	dG5	- 10	e	2	W	
30		48	225292		02.4	+27	24	6.6	.066	G5	+ 12	c	4	D	SB(20)
31		49	225213		02.5	-37	36	8.6	6.114	dM3	+ 23.6	b	6	WL	*
32		51	6		02.5	-00	47	6.3	0.067	gG9	+ 13.7	b	3	W	
33		52	225289		02.5	+61	02	5.9	.017	B9	+ 14	e	3	WVn	IS -21 c *
34	CC	4	.....		02.5	+45	31	9.9	.89	dM2	+ 2	e	4	W	A 48F
35		54	3		02.6	+44	57	6.5	.023	Aln	- 18	c	6	D	
36		59	28		02.8	-05	59	4.7	.097	sgKD	- 6.1	a	19	V	Orb, Harper
37		61	26		02.8	+08	31	8.2	.258	sgG2p	-212.9	b	3	W	
38		70	58		03.0	+52	54	7.3	.005	K1	+ 6	d	1	V	
39	A	48A	38		G3>0	+45	32	9.3	.885	dK6	+ 2	c	4	W	
40	A	48B	.....		03.0	+45	32	9.3	.896	dMO	+ 1	c	4	W	
41		73	71		03.1	+55	26	7*1	.015	G9	- 10	d	1	V	
42		75	87		03.1	+13	07	5.7	.041	gG5	+ 1.5	b	9	VW	*
43		85	108		03.4	+63	24	7.4	.023	O6ep	- 62.8	b	17	VW	IS -20.4 b *
44	A	61A	123		03.6	+58	09	6.4	.263	dG4	- 11.7	b	5	WV	*
45	A	61B	.....		03.6	+58	09	7.5	....	dG8	- 16	c	3	W	
46	SW	Scl	151		03.7	-33	06	10.3v	.014	gM4e	+ 34	c	2	W	P144
47		92	142		03.7	-49	21	"XI	.561	dGO	+ 0.9	b	3	L	
48		94	144		03.8	+63	55	5.5	.010	B9ne	- 0.4	b	10	3	*
49	TT	Peg	.....		03.9	+26	49	9.3v	.034	gM6e	- 33	c	2	W	P153
50	41°	4937	153		03.9	+42	28	8.0	....	dG1	- 32	c	2	L	

General Catalogue of Radial Velocities

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes	
			R.A.	Decl.									
			h	m	°	'	"	km/sec					
51	95	166	0	04.0	+28	45	6.2	0.417	dG8	- 8.2	b	4 W	
52	96	167		04.0	+28	17	6.8	.040	K0	+ 3.4	b	4 D	
53	98	203		04.3	-23	23	6.1	.106	dA7	- 2.4	b	4 W	
54	72° 1140	219		04.5	+72	56	8.0	.031	dA8n	- 20	c	4 W	
55	16° 6419	233		04.6	-16	08	8.2	.080	dF5	- 10	c	7 L	
56	25° 5073	249		04.8	+26	11	7.3	.182	K0	+ 12.6	b	4 D	
57	114	315		05.2	-02	50	6.3	.021	AOn	+ 13.2	b	4 W	
58	118	245		05.4	+86	31	9.2	.335	dF7	- 79.8	b	3 W	
59	8 ^c 3	334		05.4	-07	49	8.2	.026	dF5	- 22	c	2 L	
60	124	352		05.6	-02	44	6.3	.005	gK2	+ 0.6	a	36 W	Orb. Christie
61	126	360		05.7	-09	06	6.1	.064	gG8	+ 20.4	b	2 W	
62	oc And	358		05.8	+28	49	2.2	.0209	AOn	- 11.7	a	252 4	Orbits *
63	5 ^c 2	377		05.9	+06	20	8.0	.088	dG2	- 3.9	b	3 L	
64	130	370		06.0	+73	56	7.4	.056	AO	+ 5.7	b	4 D	
65	131	400		03.1	+36	21	6.1	.179	dF5	- 13.8	a	12 3	*
66	138	417		06.3	+25	11	6.3	.115	gG9	+ 14.7	b	3 V	
67	139	404		06.3	+66	11	8.4	.176	dK2	- 59.7	b	2 W	
68	144	448		06.5	+17	56	5.7	.135	gG9	- 22.5	b	7 DW	*
69	3 Cas	432		06.5	+58	52	14	.555	dF2	+ 11.8	a	39 4	*
70	149	431		06.5	+79	26	6.2	.107	A3	+ 0.8	b	6 V	
71	152	443		06.6	+64	48	7.0	.280	dG9	+ 7.2	b	4 WV	*
72	155	493		06.8	-28	16	5.5	.065	Fin	+ 9.0	b	4 L	
73	156	487		06.9	+46	07	7.0	.011	B9	- 6	c	6 D	
74	157	489		06.9	+18	50	7.8	.259	dG3	- 24	c	2 L	
75	e Phe	496		06.9	-46	01	3.9	.218	sgG7	- 9.2	a	15 LC	*
76	18 ^c 4	502		06.9	+19	17	7.8	.064	sgG8	+ 2	c	3 L	
77	SS Cas	499		07.0	+51	18	8.8v	.031	gM4e	- 19	b	3 W	Em -25.4 *
78	161	545		07.4	-02	50	7.2	.010	gM2	+ 18.0	b	4 W	
79	167	560		07.5	+10	52	5.5	.035	B8	+ 13.5	b	7 WY	*
80	169	571		07.7	+45	48	5.1	.001	cF2	- 5.4	b	11 3	*
81	171	587		07.8	-05	32	6.0	.041	gG9	+ 23.8	b	3 W	
82	173	636		07.8	-82	30	5.3	.022	gG8	+ 15.0	b	4 L	
83	175	598		07.9	+28	23	8.1	.008	gM4	- 10.9	b	7 DW	*
84	177	593		07.9	+59	24	6.7	.008	B2	- 3	c	6 VW	IS -5.7 b *
85	178	613		07.9	+32	51	7.2	.056	gK4	- 13.7	b	3 W	
86	14 ^c 8	615		07.9	+14	57	8.2	.111	dF6	- 4	c	3 L	
87	66 ^c 7	.....		08.0	+66	52	9.2	.14	dG8	+ 18.8	b	3 W	
88	SX Cas	.....		08.1	+54	37	9.5v	.019	*	- 9.7	b	42 Md	cA6e+G6 *
89	181	645		08.2	-12	51	5.9	.155	dK1	+ 4.4	b	3 W	
90	28 ^c li	664		08.4	+29	18	8.6j	.023	GO	f 9.7	b	5 D	
91	LDS 1A	.....		08.6	-21	00	12.3	.25	FO	- 85	d	1 Md	
92	190	* " 693		08.7	-15	45	5.0	.275	dF5	+ 14.8	a	13 3	*
93	191	691		08.8	+30	10	8.7	.199	dG5	- 3.4	b	4 D	
94	193	698		09.0	+57	56	7.1	.007	cB8e	- 23.5	a	30 y	IS -13.9 a *
95	197	720		09.0	-28	05	5.6	.023	gKS	- 5.7	a	10 L	
96	KY Psc	.....		09.1	-02	02	11.5v	.....	.....	+ 25	d	1 W	RR 0.53
97	28 ^c 6	737		09.2	+27	15	8.1	.028	dF5	- 9	c	3 L	
98	& Scl	739		09.2	-35	25	5.2	.205	dF4	- 1.7	a	7 LW	*
99	204	743		09.4	+47	52	8.3	.056	gK4	+ 15.7	b	8 DV	*
100	214	787		09.6	-13	13	5.3	.057	gKS	- 8.0	a	11 3	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		DecL									
			h	m	°	'			km/sec					
101	NGC 40	826	0	10.2	+72	15	.....	.....	Pf	- 20.5	b	7	L	Em PL neb
102	228	829		10.2	+37	25	6.6	0.025	B3	- 9.0	b	9	3	IS -15.7 b *
103	232	877		10.5	-22	45	6.7	.018	sgG5	- 16	c	4	W	SB
104	234	874		10.6	+16	39	6.6	.090	G5	+ 9.6	b	4	D	
105	y Peg	886		10.7	+14	54	2.9	.010	B2	+ 4.1	a	106	6	IS 0 c 4 *
106	UX Cas	.....		10.7	+63	11	<u>12.0v</u>	.....	R2	- 11	d	2	W	SR102
107	A 161A	895		10.8	+26	43	6.3	*.046	F5	- 13.0	b	4	S	
108	A 161B	.....		10.8	+26	43	9.0	.....	K0	- 17	c	5	D	
109	244	905		10.9	+40	46	5.7	.189	dA7	- 28.8	b	6	V	
110	75° 4	919		11 ₀ 2	+75	45	7.6	o03	gM4	- 0.7	b	5	W	
111	254	936		11.3	+59	43	7.0	.040	K0	0	c	2	V	
112	43° 28	949		11.4	+44	14	8.2	.....	dF4	+ 15	d	1	L	
113	18° 25	955		11.4	-17	49	7.2	.....	B5n	- 33.6	b	8	L	
114	256	952		11.4	+32	56	6.1	.026	A0	+ 0.9	b	3	V	
115	75° 5	947		11.5	+75	45	7.9	.011	gG4	- 15.9	b	3	W	
116	4° 12	966		11.5	-04	11	7.5	.057	gG6	- 23	c	2	L	
117	259	976		11.6	+25	59	7.0	.070	F7	- 25	c	3	S	
118	34° 18	975		11.6	+35	08	8.1	.002	dF5	+ 1	c	2	L	
119	43° 31	982		11.7	+43	34	8.0	.....	dF8	+ 17	d	1	L	
120	265	1014		11.9	-08	04	5.4	.054	gM4	- 1.7	b	9	3	*
121	268	1015		11.9	-14	42	7.0	.141	dF8	- 0.5	b	3	W	
122	X Peg	1013		12.0	+19	56	4.9	.089	gM2	- 45.8	b	7	LV	*
123	272	1038		12.1	-19	13	4.7	.069	gM1	- 22.5	a	9	LW	*
124	273	1037		12.1	-15	05	6.9	.097	sgG8	- 29.8	b	3	W	
125	278	1051		12.3	-14	27	6.9	.090	gA8	- 8.5	b	3	W	
126	281	1048		12.3	+22	00	6.0	.062	A0	- 15.0	b	3	V	
127	A 191A	1061		12.4	+08	33	5.9	.094	sgA9	+ 0.9	a	55	W	Orb. *
128	A 191B	.....		12.4	+08	32	8.1	.108	dA9	+ 8.8	b	3	W	
129	SY Cas	.....		12.5	+58	09	<u>10.0v</u>	.....	cG1v	- 43.0	b	8	W	Cep 4.07
130	290	1075		12.5	+31	15	6.6	.031	K4	+ 2.3	b	4	D	
131	291	1083		12.6	+27	00	8.1	.033	A0	- 7	c	10	V	
132	S Scl	1115		12.8	-32	19	6.3v	.083	gM6e	+ 35	c	2	L	Em +12 *
133	303	1141		13.4	+76	40	6.2	.020	B9	- 8	c	6	V	
134	X And	1167		13.5	+46	44	8.1v	.016	Se	- 4	h	8	W	Em -18.5 *
135	310	1185		13.7	+43	19	6.0	.048	A0	+ 3	c	7	V	
136	15° 38	1195		13.8	-14	45	8.6	.043	dF5	+ 22.5	b	3	W	
137	15° 30	1213		14.0	+15	33	8.2	.039	gFO	- 4.1	b	3	W	
138	315	1227		14.0	+07	58	6.2	.032	gG6	+ 1.4	b	8	WS	*
139	318	1210		14.0	+54	23	7.8	.022	clA6n	+ 11	d	4	W	SB
140	321	1228		14.1	+01	34	7.3	.022	gM5	- 6.3	b	6	WL	*
141	322	1223		14.1	+36	21	7.0	.040	A0	- 1	c	5	S	
142	35° 34	1224		14.1	+36	12	7.7	.112	dF7	+ 7.1	b	3	W	
143	325	1243		14.2	+13	38	7.5	.031	A3	- 1	c	8	D	
144	326	1255		14.2	+09	53	6.8	.016	gM2	+ 11.2	b	3	W	
145	329	1239		14.3	+81	15	5.3	.003	tzG4	- 3.6	b	3	W	
146	CC 16	.....		14.4	+40	40	8.7	.543	rtMO	+ 12	c	3	W	
147	0 And	1230		14.5	+3B	24	4.4	.058	AIn	f 1.4	l	24	5	*
148	A 237A	1309		14.8	+18	14	3.4	.044	CCA	- 3	d	4	W	S3 (70)
149	A 237B	.....		14.3	+16	14	9.0	.....	CCS	- 3.3	b	3	W	
150	A 238A	1317		14.8	+08	36	7.0	.114	uGi	+ 35.9	b	9	W	*

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	"	km/sec						
151	A 238B	.....	0	14.8	+08	36	8.0	.....	dA9	+ 39.8	b	3	W	
152	ST Cas	1306		14.9	+50	01	7.5v	0.0*37	N	- 43	c	3	W	Irr.
153	AO Cas	1337		15.1	+51	09	5.8v	.008	O8n	- 35.2	b	251	3	IS -21.2 b *
154	58° 24	1334		15.2	+58	47	7.8	.013	B5	- 4	e	1	W	
155	346	1367		15.2	+01	25	6.4	.082	gG6	- 9.4	b	8	WV	*
156	347	1352		15.2	+16	03	7.4	.216	dF5	+ 7.9	b	6	W	
157	351	1364		15.3	+19	57	7.3	.029	gM4	+ 9	c	2	L	
158	352	1375		15.4	+12	30	6.6	.022	G5	+ 2.6	b	4	D	
159	354	1388		15.4	-13	44	6.6	.406	dGO	+ 28.2	b	3	W	
160	75° 7	1359		15.5	+76	00	7.1	.029	B9n	- 2.0	b	9	DW	*
161	A 246A	1326		15.5	+43	44	8.2	2.90	dM2	+ 14	c	13	WV	SB (26) *
162	A 246B	.....		15.5	+43	44	10.9	.....	sdM4e	+ 20.7	b	5	W	
163	60° 25	1383		15.6	+61	27	7.9	0.017	B0	- 40	c	3	W	IS -24 *
164	<r And	1404		15.7	+36	30	4.5	.074	AOn	- 8.0	b	15	4	*
165	29° 39	1406		15.7	+30	06	8.0	.069	K0	- 38.4	b	4	D	
166	363	1419		15.7	+10	56	6.2	.054	G8	+ 8.6	b	5	D	
167	368	1400		15.8	+61	56	7.1	.018	dK5	- 30	d	1	V	
168	A 252A	1429		15.9	+25	52	7.6	.055	dA6n	- 10.7	b	3	W	
169	A 252B	.....		15.9	+25	52	8.0	.....	dF2	- 8.7	b	3	W	*
170	373	1439		16.0	+31	14	5.8	*.060	A0	- 5.3	b	9	DS	
171	376	1438		16.1	+43	31	6.0	.015	B9	+ 7.0	b	3	W	
172	377	1449		16.1	+22	36	7.1	.048	G1	+ 12	c	3	S	
173	A 257A	1450		16.1	+15	43	8.8	.042	dF4	+ 10.7	b	3	W	
174	A 257B	.....		16.1	+15	43	9.0	.....	dF4	+ 10.7	b	4	W	
175	TV Cas	1486		16.6	+58	52	7.3v	*.036	AO+AO	+ 1.5	b	21	V	EA 1.81 *
176	385	1501		16.8	+26	11	7.7	.021	GO	- 10.9	b	5	D	
177	L Cet	1522		16.9	-09	06	3.8	.034	gK3	+ 18.6	a	18	4	*
178	394	1527		17.1	+40	27	6.4	.031	K0	- 37.5	b	4	D	
179	VX And	1546		17.3	+44	26	8.0v	.008	N	+ 9	b	6	W	P 367?
iao	61° 38	1544		17.3	+61	48	8.0	.....	B2n	- 41	c	3	W	IS -22.0 b
181	42° 55	1552		17.3	+42	36	8.2	.05	gF2	+ 15	c	2	L	
182	398	1563		17.3	+15	58	6.8	.021	gG8	+ 19.7	b	9	VW	*
183	399	1562		17.4	+37	57	7.1	.307	F9	+ 9	c	3	S	
184	400	1561		17.4	+48	35	6.3	.016	A0	- 2	c	5	V	
185	? Toe	1581		17.5	-65	10	4.3	2.066	F8	+ 8.7	a	17	LC	*
186	408	1606		17.8	+30	40	5.8	0.018	B5	+ 3.8	b	9	D	
187	30° 43	1605		17.8	+30	42	7.6	.092	GO	+ 10.2	b	4	D	
188	10° SI	1627		17.9	+10	38	7.2	.030	KD	+ 6	d	1	V	
189	412	1613		18.0	+61	36	7.1	.004	K5	- 29	c	2	V	
	413	1635		18.0	+07	55	5.6	.016	gK3	+ 15.9	b	3	W	
190														
191	25° 37	1633		18.1	+26	13	8.0	.062	KD	+ 22.9	b	4	D	
192	414	1632		18.1	+32	38	6.0	.032	K5	- 36.1	b	5	D	
193	417	1641		18.3	+32	42	7.0	.063	dF4	- 3.5	b	7	DW	*
194	419	1663		18.3	+10	42	8.6	.057	AO	- 17.8	b	8	VS	*
195	T Tuc	1685		18.3	-69	54	5.4	.014	B9	+ 11.6	b	5	L	
196	11* 44	1662		18.4	+12	30	7.4	.023	A5	- 19.2	b	4	D	
197	p And	1671		18.5	+37	42	5.2	.071	dF2	+ 9.1	a	12	3	*
IH8	t Sci	1737		19.0	-29	15	5.4	.078	G5	+ 20.6	b	4	L	
199	434	1736		19.1	-16	29	8.2	.020	sgP5	- 5	c	2	L	
200	T Cet	1760		19.2	-20	20	5.5v	.073	gM5e	+ 29.1	b	9	W	SR 162

Cat. No.	Star	a.o. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
201	61° 48	1743	0	19.3	+61	55	8.4	....	B0	- 32	d	3	W	IS -18.9 b *
202	CC 24	1779		19.5	-26	59	9.0	0.436	dG1	- 5	c	3	W	
203	T And	1795		19.8	+26	43	7.3v	.044	gM6e	- 90	d	1	W	Em -95 c *
204	446	1796		19.8	+13	12	6.4	.064	gK2	+ 3.3	b	3	W	
205	FR Cas	.....		19.9	+58	51	12.7v	....	N	- 46	d	1	W	Irr
206		448		20.1	+61	58	8.2	.008	B3n	- 47	c	2	W	IS -17 c
207		450		20.2	+29	11	6.9	.056	A5n	+ 4.9	a	48	D	Orb. Tanner
208		452		20.3	-12	29	6.4	.394	dG2	- 6.8	b	3	W	
209		453		20.3	+38	29	7.0	.007	gM4	- 23.2	b	3	W	
210	T Cas	1845		20.5	+55	31	8.2v	.038	gM8e	- 12.1	b	7	W	Em -24.6 8 *
211		459		20.5	-16	13	6.6	.074	gM3	- 22	c	3	W	
212	44° 76	1918		21:0	+44	48	7.7	.052	gG6	+ 35.7	b	3	W	
213	SW And	.....		21.1	+29	07	9.3v	.017	FLv	- 32	e	5	W	RR 0.44
214	R And	1967		21.4	+38	18	5.0v	.024	Se	- 11.3	a	6	We	Em -30.4 *
215		473		21.4	+43	59	6.6	.014	sgA7n	- 4	c	4	W	SB (20)
216	S Cet	1987		21.5	-09	36	7.0v	.039	gM3e	+ 33	d	1	W	Em +20 *
217		476		21.6	+51	45	5.4	.010	B4n	- 12	c	13	WV	IS -9.1 b *
218	25° 46	1996		21.7	+26	08	8.4	.020	G5	- 15	c	4	D	SB (27)
219	53° 66	1994		21.8	+54	01	9.7	.013	R5	- 36	c	2	W	
220		479		21.9	-27	18	7.8	.674	dK6	+ 5.9	b	3	W	
221		480		21.9	-02	30	6.3	.051	gK1	+ 15.3	b	4	WL	*
222		481		22.0	+61	33	5.4	.011	B9n	- 6	c	11	3	*
223		482		22.0	+31	06	6.8	.004	B9	+ 5.8	a	32	D	Orb. Heard
224		483		22.0	+14	02	6.8	.012	gKO	- 15.8	b	4	W	
225	TZ Cep	.....		22.2	+73	38	9.0v	....	cK4ev	- 5	c	6	W	SR 83.0 *
226	49° 73	.....		22.5	+49	49	8.6	.104	dK3	- 65.1	b	3	W	
227	29° 64	2084		22.6	+29	50	8.8	.034	G5	+ 6.5	b	4	D	
228		496		22.8	+01	40	6.0	.021	gG5	- 4.1	b	8	VW	*
229		499		22.9	+71	32	6.9	.004	B0	- 5	c	5	V	IS -8.7 b
230	33° 39	2126		23.0	+33	51	8.3	.063	gKO	- 36	c	3	W	
231		502		23.1	+07	25	7.2	.062	gK3	- 17.7	b	4	W	
232	3 Hyi	2151		23.2	-77	32	2.9	2.255	dGO	+ 22.8	a	15	LC	*
233		509		23.4	+55	13	7.3	0.020	G9	- 10	d	1	V	
234	28° 63	2190		23.4	+28	40	8.1	.013	K5	- 52.2	b	4	D	
235	TU Cas	2207		23.6	+51	00	7.5v	.005	cF8v	- 21.7	a	59	W	Cep 2.14 *
236	K Phe	2262		23.7	-43	57	3.9	.106	A3	+ 8.8	b	5	L	
237	oc Phe	2261		23.8	-42	35	2.4	.442	G5	+ 74.6	a	70	CL	Orbits *
238		521		23.9	+79	47	6.5	.022	B0	+ 6	c	7	V	SB (63)
239		523		24.1	-00	20	6.4	.067	gG4	- 22-7	b	8	W	
240	30° 59	2313		24.5	+30	54	7.6	.028	gM1	+ 30.0	b	3	W	
241	24° 53	2315		24.5	+25	19	7.9	.030	KB	- 36.1	b	4	D	
242	58° 55	2300		24.6	+59	29	7.4	.030	G6	- 32	d	1	V	
243		531		24.8	+02	32	7.7	.015	gG4	0	c	3	L	
244	30° 60	2343		24*8	+30	38	8.4	.012	gGY	- 18	c	8	DW	SB (27) *
245	AQ And	2342		24.9	+35	19	6.9v	.017	N	- 14	b	4	W	P 332
246		533		24.9	+58	17	7.2	.009	B3	- 14	c	7	V	IS -13.6 b
247	33° 47	2357		24.9	+33	45	8.0	.037	gG8	+ 1.0	b	3	W	
248		534		24.9	+15	45	6.6	.080	A5n	- 4	c	8	DS	SB •
249		542		25.4	+19	14	6.6	.027	gG7	+ 8.3	b	9	VW	*
250	TV Psc	2411		25.4	+17	37	4.6v	.115	gM3	+ 5.5	b	10	3	SB 49,1 *

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'		//	km/sec						
251	77	Sc1	2429	0	25.5	-33	17	5.0	0.052	M5	+ 11.2	b	4	L	Orb. Udick SB *
252		546	2421		25.5	+44	07	5.2	.093	A2	+ 2.0	a	65	A	
253		548	2436		25.6	+16	10	6.5	.018	gK5	- 7	c	8	WD	
254		550	2454		25.7	+09	55	6.0	.207	dF0	- 9.9	b	7	WV	
255		553	2453		25.8	+32	10	6.7	.035	AOp	- 18	c	5	D	
256		558	2490		26.0	-40	11	5.3	.129	gK5	+ 32.3	a	5	L	IS -10 c *
257	61°	92	2451		26.0	+62	14	8.6	. . . .	B1	- 48	d	5	VW
258		563	2507		26.3	+36	37	6.4	.016	gG5	+ 10	C	2	V	
259	58°	60	2506		26.5	+59	12	7.8	.047	gG4	- 55	c	2	L	
260	28°	72	2552		26.7	+28	33	7.8	.067	K0	+ 32.4	b	5	D	
261	74°	14	2520		27.0	+74	58	8.2	.082	dG0	- 61.1	b	3	W	
262	1°	51	2624		27.3	-00	36	7.7	.028	gG6	+ 14	d	3	L	S3
263		581	2629		27.4	-01	24	7.5	.167	dF1	+ 0.3	b	3	W	*
264		583	2628		27.5	+29	29	5.3	.065	dF3	- 10.2	a	18	4	
265		584	2637		27.5	-04	14	6.0	.008	gMO	+ 4.7	b	3	W	
266		586	2626		27.5	+59	42	5.9	.019	B9	- 20	c	7	VW	*
267		588	2589		27.7	+76	45	6.4	.340	sgG9	+ 19.0	b	3	W	IS -9 d *
268	14°	53	2656		27.7	+15	31	7.2	.021	K0	+ 10	c	2	S	
269	31°	66	2666		27.8	+31	55	7.6	.049	F3	- 8	c	6	D	
270	61°	101	2654		27.9	+62	05	7.3	.001	B3	- 1	c	10	VW	
271		590	2696		27.9	-24	04	5.2	.036	Aln	+ 1	c	6	LW	
272		593	2726		28.0	-48	29	5.6	.181	F0	+ 2	c	3	L	SB*
273	27°	72	2713		28.2	+27	51	9.3	.032	GO	- 4	c	4	D	
274		600	2663		28.2	+69	31	7.4	.308	dF8	+ 11.1	b	3	W	
275	28°	80	2732		28.3	+29	18	8.6	.003	K0	- 16.1	b	4	D	
276		606	2730		28.3	+43	06	8.1	.119	dF7	- 11	c	2	L	
277		608	2739		28.5	+43	40	6.6	.005	B8	- 6.4	b	5	D	*
278		609	2729		28.5	+66	15	6.1	.024	B7n	- 9.5	b	4	V	
279		611	2767		28.8	+33	18	6.1	.048	gG8	+ 9	c	10	DW	
280		613	2779		28.9	+20	33	7.4	.043	gK4	+ 4.0	b	3	L	
281		614	2774		28.9	+52	34	5.7	.059	gK2	- 52	c	7	WV	
282		616	2806		29.0	+15	45	7.1	.045	gK2	- 6.2	b	3	W	SB
283	X	Cas	2772		29.0	+54	15	4.9	.043	B8	- 12.1	b	17	3	
284	X	Pie	2834		29.0	-49	05	4.9	.136	A2	- 5	c	9	L	
285	CC	34	.....		29.0	+66	58	10.3	1.716	dM3	+ 10	c	6	WMd
286	A	439A	2814		29.2	+36	41	8.1	0.043	dG2	- 19.7	b	3	W	
287	0	TucB	2884		29.3	-63	14	4.5	.104	B9	+ 10	c	7	L	*
288	j3	TucA	2885		29.3	-63	14	4.5	.115	cA2	+ 10.4	b	9	LC	
289		627	2841		29.3	+19	22	7.3	.017	gK5	+ 3.7	b	3	L	
290		628	2825		29.4	+53	32	7.0	.030	K5	- 28	d	1	V	
291	26 ^c	72	2854		29.4	+27	22	8.7	.078	G5	- 1.5	b	4	D	
202	55°	100	2824		29.4	+55	U	7.4	.039	K2	- 18	d	1	V	S W DV
293		632	2866		29.6	+34	43	6.6	.020	A7	+ 3	c	7	V	
294		633	2880		29.6	-05	27	8.7	.271	dG8	- 10.6	b	3	S	
295		634	2888		29.7	+43	13	6.4	.017	B9	- 21	c	11	DV	
298		836	2913		29.8	+06	41	5.7	.033	AOn	+ 19	c	5	D	
297		640	2924		29.9	+27	18	6.5	.025	A2	+ 1.9	b	4	D	*
298		641	2910		30.0	+20	01	5.5	.136	gKD	- 12.5	b	7	SW	
299		642	2901		30.0	+53	51	7.1	.091	K2	-107	d	1	V	
300		643	2925		30.0	+22	55	7.0	.112	GO	-112	c	3	S	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'			km/sec						
301	κ	Cas	2905	0	30.1	+62	39	4.2	0.004	cBOe	- 2.3	a	110	9	IS -16.1 a *
302		647	2942		30.2	+28	00	6.4	.013	gG6	- 12.0	b	11	3	SB *
303		648	2904		30.3	+70	42	6.4	.038	AOn	- 10	c	4	D	
304		650	2952		30.4	+54	37	6.1	.079	gG8	- 35.2	b	8	DW	*
305	AP	Cas	.....		30.4	+62	38	12.0v	.....	.....	- 44.5	b	8	W	Cep 6.85
306		651	3003		30.5	-63	18	5.2	.088	A2	+ 5.0	b	5	L	
307	ZZ	Cas	.....		30.6	+62	15	10.8v	.....	B3	- 45	c	9	Md	IS -20.1 b *
308		655	2974		30.7	+60	16	7.7	*.006	B9	+ 4	e	1	W	IS -3
309	RX	Cet	.....		31.1	-15	46	10.8v	.....	A8	- 89	d	3	MdW	RR 0.57 *
310	6	Tuc	3112		31.3	-71	33	6.1	.077	A5	+ 2.3	b	3	L	
311		668	3074		31.3	-35	16	6.7	.514	dGO	+ 29	c	2	W	
312	2°	67	3070		31.3	+03	03	7.8	.030	gG4	- 10	c	2	L	
313		671	3038		31.5	+66	28	6.4	cO23	B9	- 21	d	5	V	SB (29)
314		680	3125		31.9	-04	49	7.0	.082	dGO	+ 10	c	3	W	
315		683	3158		32.1	-52	39	5.6	.219	F5	+ 34.8	b	6	L	
316		685	.....		32.2	+78	59	9.0	.167	dG7	+ 14	c	4	W	
317		688	3141		32.3	+42	25	7.7	.208	sgKO	+ 1	c	2	L	
318	A	486A	3165		32.5	+36	33	6.8	.020	gK1	- 8.9	b	3	W	
319	A	486B	.....		32.5	+36	33	8.8	.....	gG5	- 8	c	2	W	
320		695	3147		32.7	+67	39	7.5	.042	K3	- 18	d	1	V	
321		696	3196		32.7	-03	52	5.2	.410	dF7	+ 9.4	a	108	Y	Orb. Bauer
322		701	3229		33.0	-00	47	5.9	.145	dF2	+ 6.2	b	7	SW	*
323	28°	96	3252		33.2	+28	49	8.3	.021	G5	- 34.7	b	4	D	
324		706	3302		33.3	-48	16	5.5	.109	F4	+ 7.6	a	6	L	
325		707	3268		33.3	+12	56	6.4	.237	F5	- 24.5	b	4	S	
326		708	3240		33.3	+53	54	5.1	.019	B7	+ 1.1	b	22	5	*
327	A	497A	3266		33.4	+29	43	8.6	.443	dG4	- 49.0	b	5	W	
328	A	497B	.....		33.4	+29	43	9.3	.....	dG6	- 59.1	b	3	W	
329		710	3265		33.4	+37	59	7.4	.023	gMO	- 16	c	2	L	
330		713	3264		33.5	+48	17	7.4	.032	B2	- 5.2	a	47	D	Orb. Sharp
331		717	3283		33.6	+60	03	5.8	.002	A2n	- 8.5	b	6	V	
332		718	3291		33.6	+44	22	7.3	.027	B8	- 9.1	b	6	D	
333		722	3322		33.7	+26	59	6.3	.015	B8	+ 1	c	4	S	IS -5
334		725	3345		34.0	+54	41	7.3	.045	K4	- 30	e	1	V	
335		726	3346		34.0	+44	13	5.4	.044	gK5	- 32.8	a	7	LW	*
336	26°	92	3370		34.1	+26	46	8.2	.035	sgF3	- 0.7	b	3	L	
337	3Γ	Cas	3360		34.2	+53	37	3.7	.020	B2	+ 2.1	a	25	4	IS -6.0 b *
338		728	3379		34.2	+14	57	5.9	.016	B3	- 12	c	9	VW	SB *
339	Π	And	3369		34.2	+33	27	4.4	.014	B4	+ 8.7	a	N	3	IS -1.8 b *
340	30°	82	3397		34.4	+31	14	8.2	.013	gFO	+ 11	c	2	L	
341		735	3411		34.5	+23	44	6.4	.045	K1	- 0.6	b	4	D	
342		737	3366		34.6	+72	37	7.1	.025	B3	- 15.1	b	4	V	IS-23.1
343		738	3421		34.7	+35	07	5.6	.020	gGO	- 0.2	b	3	W	
344	Y	Cep	3344		34.7	+80	05	9.3v	*.	gM5e	0	c	3	W	Em-13 *
345		741	S443		34.8	-25	03	5.7	1.383	dG7	+ 16.8	b	7	LW	*
346		744	3457		34.9	+02	52	6.6	0.105	gK4	+ 4.1	b	4	W	
347	25°	90	.....		35.2	+25	34	8.1	.075	G5	- 14	e	4	D	SB (15)
348		752	3512		35.5	-00	47	6.9	.048	gK3	- 55.8	b	4	W	
349		754	S489		35.7	+60	03	7.1	.003	KS	- 28	c	2	Y	
350	€	And	3546		35.9	+20	02	4.5	.340	sgG3	- 83.6	a	20	4	*

General Catalogue of Radial Velocities¹

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
351		760	3440	0	35.9	+82	13	6.4	0.143	dF6	- 33.4	b	9	VW *
352	CC	40	.....		36.2	+30	20	11.4	1.54	dM4	+ 8.7	b	3	W
353	73°	26	.....		36.3	+74	29	9.1	.....	dG4	+ 0.6	b	3	W
354		767	3590		36.3	+26	03	7.3	0.028	K0	- 0.2	b	4	D
355		770	3574		36.4	+49	05	5.7	.011	gK5	- 9.8	b	3	W
356		773	3628		36.6	+02	51	7.4	.832	dG2	- 28.3	b	3	W
357	6	And	3627		36.6	+30	35	3.5	.161	gK4	- 7.3	a	38	6 *
358		778	3651		36.8	+20	59	6.1	.594	dK1	- 34.2	b	6	WV *
359	25°	93	3650		36.8	+26	28	8.6	.058	G5	- 19	c	4	D SB (18)
360	62°	130	3637		37.0	+62	57	7.7	.030	dF5	- 27.6	b	3	W
361		784	3690		37.3	+21	10	5.6	.041	gG7	- 17.3	b	9	VW *
362		787	3681		37.4	+59	11	7.2	.022	K1	- 12	c	2	V
363		791	3726		37.7	+26	24	8.0	.125	dF6	- 10	c	3	L
364	oc	Gas	3712		37.7	+56	16	2.5	.058	gG7	- 3.8	a	42	5 *
365	A	562A	3743		37.7	+23	47	7.2	.034	dA5	- 3.0	b	3	W
366	A	562B	.....		37.7	+23	47	8.6	.....	dF2	- 1	c	2	W
367	29°	119	3766		37.9	+29	44	8.8	.042	GO	- 25.2	b	4	D
368		799	3795		38.0	-24	04	6.2	.719	dG3	- 52.9	b	5	W
369		800	3765		38.A	+39	55	7.5	.752	dK5	- 63.2	b	7	W
370		804	3807		38.2	-04	38	6.1	.023	gG7	+ 34.5	b	4	W
371		805	3790		38.2	+30	50	8.2	.150	dF4	+ 14	c	2	L
372	A	566A	3821		38.3	-07	30	7.0	.098	dG3	+ 5.2	b	3	W
373	A	566B	.....		38.3	-07	30	10.3	.....	dM1	+ 22	d	1	W
374		812	3817		38.4	+39	11	5.4	*.015	gG5	- 5.1	b	8	LW *
375		817	3861		38.6	+09	05	6.5	.165	F6	- 18.5	b	3	S
376	13°	116	.....		38.9	-13	28	10.3	.08	dMO	+ 3	c	2	W
377		822	3883		38.9	+24	21	6.0	.102	A5p	- 14.6	b	6	V
378	/i	Phe	3919		39.0	-46	22	4.6	.026	G6	+ 16.5	a	6	L
379		825	3856		39.1	+65	52	5.9	.006	gKO	- 3.2	b	7	DW *
380	59°	100	3881		39.2	+59	40	7.4	.012	A6	+ 33	c	6	D SB
381	£	Cas	3901		39.3	+50	14	4.5	.012	B3	- 8	c	28	3 IS -10.8 b *
382		830	3980		39.5	-56	47	5.8	.093	cFO	+ 9.8	b	4	L
383	A	582A	3891		39.5	+71	06	8.0	.030	A1	- 15	d	5	W SB (31)
384	A	582B	.....		39.5	+71	06	8.2	.....	A1	- 11	d	4	W SB (36)
385		837	3924		39.6	+58	29	6.1	*.035	B9	- 2	c	5	D
386		841	3950		39.8	+52	04	6.9	.016	B0	- 92	c	5	V IS -16 c *
387	3°	93	3972		39.8	+03	54	7.6	.068	dF6	+ 8.3	b	3	W
S88		843	3985		40.0	+45	39	7.4	.045	gMO	- 20.7	b	6	WL *
389	29°	125	4006		40.1	+29	50	7.9	.050	G5	- 21.6	b	4	D
390	71°	31	.....		40.3	+71	54	10.2	.....	dA9	- 11.4	d	2	Md
391	p	Tuc	408@		40.3	-65	45	5.5	.070	F4	+ 14.1	a	70	CL Orbits *
392	T	Cas	4058		40*7	+46	45	5.0	.041	A5	+ 13.4	a	34	0 Orb. Harper
393	CC	49	.....		40.0	+33	35	8.5	.427	dK5	- 32.9	b	3	W
394		859	4096		40.9	-01	10	9.2	.250	dG3	- 52.1	b	3	W
395		86a	4042		40.9	+70	33	6.9	.017	gG8	- 3.0	b	3	W
3S6	j6	Ceti	4128		41.1	-18	16	2.2	.234	gG6	+ 13.1	a	70	3 *
397	7)	Plie	4150		41.1	-57	44	4.5	.012	A0	+ 10	c	3	L
398	45*	187	4134		41.5	+46	08	7*5	.089	dF2	+ 0	c	4	W SB
399	39°	166	4143		41.5	+40	25	8»B	.023	gM1	- 55.9	b	3	W
400		87S	4075		41.6	+75	40	7.4	Am	dG4	- BA	b	3	W

Cat. No.	Star	H.D. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.										
			λ	m	$^{\circ}$	$'$		$''$	km/sec					
401		874	4142	0 41.6	+47	35	5.6	0.034	B5n	- 60	c	8	VY	IS -3.0 b *
402		875	4188	41.7	-10	53	4.9	.107	gG6	+ 0.6	a	6	L	
403		880	4174	41.9	+40	24	7.5	.011	gM2ep	-101.3	b	4	W	Em -92.8
404	<i>o</i>	Cas	4180	41.9	+48	01	4.7	.018	B4ne	- 8	c	16	3	IS -65 b *
405	19°	111	.....	42.0	-19	13	10.6	.26	dM2	+ 27	e	2	W	
406		889	4247	42.3	-22	17	5.3	.111	A5	+ 10	c	7	L	
407	YZ	Cas	4161	42.3	+74	43	5.6v	.028	A3	+ 11.0	a	38	V	EA 4.47 *
408		894	4222	42.4	+54	57	5.5	.027	A2	- 8.5	b	22	5	*
409		896	4256	42.5	+01	31	8.1	.564	dK5	+ 6.4	b	3	W	
410		898	4269	42.6	+23	19	7.3	.006	B8	+ 18	c	4	S	
411	27°	117	4268	42.7	+27	41	8.6	.029	G5	- 17.1	b	4	D	
412	14°	105	4270	42.7	+14	54	8.2	.013	sgF3	- 14	d	4	L	SB
413		905	4301	42.9	-04	54	6.4	.046	gMO	+ 7.0	b	3	W	
414		906	4266	42.9	+56	30	7.6	.050	gF1	- 25	c	4	W	
415		907	4307	43.0	-13	09	6.1	.199	dF8	- 12.8	b	3	W	
416		908	4277	43.0	+54	42	8.0	.128	dF8	- 17	c	2	L	
417		911	4312	43.1	+25	54	7.9	.019	K2	- 19	c	4	D	SB (18)
418		916	4321	43.4	+55	02	6.5	.017	A3	- 8.3	b	4	D	
419		918	4335	43.4	+44	35	6.0	.027	B8	0	c	9	DS	SB *
420		921	4295	43.5	+69	03	6.4	.197	F2	- 14.0	b	4	D	
421	U	Cas	4350	43.5	+47	58	7.6v	.030	Se	- 45	b	6	W	Em -55,2 *
422	44°	162	4364	43.7	+45	09	7.8	.031	dA5n	+ 10	c	4	W	
423		922	4398	43.7	-22	48	5.6	.198	sgG6	- 14.7	b	4	W	
424	A	639A	4372	43.7	+30	40	7.4	.058	G5	+ 13.0	b	4	D	
425	A	639B	4388	43.8	+30	41	7.6	.045	G5	- 25.8	b	4	D	
426		926	4362	43.8	+59	18	6.5	.009	cF9	- 14.9	b	6	DW	#
427		928	4408	43.9	+15	12	5.6	.052	gM4	- 27.3	b	9	WV	*
428	45°	199	4406	44.1	+46	05	7.6	.056	dG3	+ 0.7	b	3	W	
429		934	4382	44.4	+74	34	5.4	.018	B9	- 3.1	a	61	O	Orb. Young
430		935	4482	44.4	+11	42	5.7	.059	gG9	- 0.8	b	3	W	
431		938	4490	44.6	+19	18	6.1	.096	A5n	0	c	9	VS	*
432	RW	And	4489	44.6	+32	25	7.7v	•••*	gM5e	- 15	c	3	W	Em -80 *
433	\$	And	4502	44.7	+24	00	4.3	.139	gG8	- 23.7	a	200	3	Orbits *
434		941	4526	44.8	+06	28	6.2	.014	gG6	+ 14.3	b	3	W	
435		943	4440	44.9	+72	24	6.0	.134	sgKO	+ 1.3	b	7	DW	*
436	45°	202	4514	44.9	+45	58	8.4	.022	gK2	- 14.4	b	3	W	
437		944	4565	45.1	-02	36	7.3	.019	gM1	+ 20	c	2	L	
438		945	4550	45.1	+26	01	7.1	.104	W	- 5.5	b	4	D	
439	26°	126	4549	45.1	+26	50	7.8	.026	gG4	- 29.2	b	6	DL	*
440		948	4536	45.1	+51	10	6.8	.008	A2n	- 4.7	b	3	W	
441		950	4585	45.2	-18	20	5.9	.054	gK3	+ 1.6	b	3	W	
442		951	4568	45.3	+20	39	6.8	.154	dF6	+ 1.0	b	10	WV	*
443		957	4622	45.5	-22	00	5.4	.022	B9	+ 20.9	b	8	LW	*
444		958	4627	45.7	+07	02	6.1	.100	gG7	- 0.7	b	3	W	
445		95B	4628	45.8	+05	01	5.8	1.367	dK4	- 12.6	b	5	WV	*
446	<i>v</i>	Cas	4686	46.0	+50	42	5*0	0.032	B9	+ 1	c	12	YL	*
447	<i>tf</i>	Cas	4614	46.1	+57	33	3.6	1.221	dF9	+ 9*4	a	20	4	A 071A *
448	A	671B	.....	46.1	+57	33	7.4	.....	dMO	+ 12.8	b	6	WV	*
449	6	Psc	4656	46.1	+07	19	4.6	0.095	gK5	+ 32.8	a	16	4	*
450	56°	131	4847	46.3	+56	58	7.2	.004	gut	- 36	c	2	L	

Cat. No.	Star	BLD. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.								
			h	m	° /								
451	968	4676	0	46.3	+16 40	5.2	0.201	dF5	+ 2.1	a	98	L	SB
452	970	4686		46.5	+28 27	7.3	.023	K0	- 2.4	b	4	D	
453	CC 58	.....		46.5	+05 10	12.3	2.98	dF3	+263	c	5	W	
454	971	4635		46.5	+70 10	8.0	0.427	dK2	- 28.5	b	3	W	
455	980	4732		46.8	-24 24	6.1	.088	gK2	+ 22.9	b	3	W	
456	981	4701		46.8	+47 30	7.0	.061	A5n	- 14	c	6	D	
457	X Hyi	4815		46.9	-75 12	5.0	.134	M1	- 8.8	a	21	LC	*
458	984	4730		46.9	-13 50	5.8	.137	gK5	+ 3.5	b	3	W	
459	986	4747		47.0	-23 29	7.2	.533	dG7	+ 5.0	b	3	W	
460	XY Cas	.....		47.0	+59 50	9.7v	.008	cG4v	-42.0	b	7	W	Cep 4.50
461	v And	4727		47.0	+40 48	4.4	.025	B5	- 23.9	a	68	A	IS -3.0 b *
462	IA 683A	4757		47.2	+27 26	6.3	.081	gFO	+ 5.0	b	4	W	
463	A 683B	4758		47.2	+27 26	6.3	.088	gFO	+ 6.8	b	3	W	
464	62° 155	4717		47.2	+62 53	8.8	.....	cA1	- 50	d	2	W	IS -25 d
465	995	4666		47.3	+77 25	6.8	.076	A6	- 15.4	b	5	D	
466	1 y And	4779		47.4	+35 23	8.3v	.....	gM2e	+ 16	c	2	W	Em +8 *
467	158° 119	4768		47.5	+59 24	8.0	.016	cB3	- 39	c	2	W	IS -19 c
468	999	4778		47.5	+44 44	6.1	.068	A0	+ 1.6	b	7	V	
469	27° 132	4798		47.6	+28 06	7.8	.022	K0	- 9.5	b	4	D	
470	1003	4813		47.6	-10 55	5.2	.320	dF9	+ 7.7	a	11	3	*
471	1004	4775		47.7	+63 59	5.4	.033	dF1	+ 3.2	b	13	3	*
472	24 ^C 123	4831		47.9	+25 19	7.4	.033	G5	- 11.7	b	5	D	
473	1012	4741		48.1	+78 21	8.2	.229	dG7	+ 4.4	b	3	W	
474	1013	4818		48.1	+51 14	6.5	.132	gF6	+ 2.3	b	3	W	
475	73 ^C 39	.....		48.3	+74 12	9.4	.....	eG5	+ 16.5	b	3	W	
478	1014	4817		48.3	+61 32	6.4	.011	cK5	- 21.2	b	5	D	
477	CC 60	.....		48.3	+58 01	11.5	1.58	dM2	- 19.4	b	3	W	
478	1017	4841		48.4	+63 31	7.1	0.030	cB5	- 26	c	2	W	IS -17 c *
47i	VY Cas	4842		48.4	+63 39	9.0v	.154	gM6	- 92	c	2	W	SR 100
460	p Phe	4919		48.4	-51 16	5.2	.064	FOn	+ 22.0	b	6	L	
481	MR And	4895		48.6	+34 06	8.4v	.060	gM5e	- 71	c	2	W	Em -85 *
482	1024	4881		48.7	+51 18	6.2	.021	A0	- 13.7	b	4	D	
483	1025	4913		48.7	+18 28	9.8	.280	dK6	+ 10	c	2	W	
434	1028	4928		48.7	+03 07	6.5	.062	gG7	+ 5.5	b	3	VW	*
485	40 ^c 177	4902J		48.8	+40 59	7*2	.016	B9n	+ 4	c	7	S	
488	2S° 138	4963		49.2	+27 29	8.4	.062	G5	+ 26.4	b	4	D	
487	24" 128	5007		49.7	+25 30	7.7	.091	K0	+ 12.9	b	4	D	
488	1042	5058		49.8	-22 53	7.6	.229	dGO	- 22.3	b	4	W	
488	Ry Cas	.....		49.9	+47 09	7.4v	.....	gM7e	- 67	o	2	W	Em -85 *
490	(55 ^t) 191	5005		50.0	+56 21	7.7	.....	06	- 24	c	13	W	IS -17 c *
491	1049	4853		50.0	+83 26	5.6	.062	A2	+ 28	d	2	Vn	
4^2	1049	5015		50.1	+60 51	4.9	.191	dF8	+ 20.7	a	9	LB	*
4>3	B6 143	5032		50.1	+56 57	7.1	.016	B9n	- 9	c	7	S	
4S4	1049	5060		50.1	+38 17	6.5	.032	AO	+ 15.6	b	15	V	SB
495	1050	5072		50*2	+38 46	8.0	.169	sgF7	- 11.1	b	3	L	
43i	1051	5081		50.2	-24 17	5.6	.048	gK2	+ 34	c	6	LW	*
49?	38' 272	5063		50.3	+49 23	7.2	.023	B8n	+ 6.0	b	8	S	
498	147	5092		50.4	+30 04	7.7	.083	KD	+ 21.6	b	4	D	
4if	1055	5112		50.5	-01 25	4.8	.013	gMO	+ 15.8	a	7	LV	*
vaj	105B	5133		50.6	-30 38	M	.819	dK5	- 2	c	5	WMd	SB (34) *

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	o	t		"		km/sec					
501		1060	5118	0	50.7	+37	09	6.1	0.046	gK3	- 6	c	6	SV	*
502		1066	5129		50.9	+43	06	7.2	.286	dGO	- 10	c	4	W	SB
503	A	735A	5128		50.9	+52	25	6.2	.077	gA8	- 1.1	b	8	W	*
504	A	735B	.....		50.9	+52	25	9.2	.....	dG4	- 2	c	2	W	
505		1071	5137		50.9	+29	13	6.7	.053	G5	- 11.6	b	4	D	
506	23°	123	5223		5L5	+23	48	8.8	.142	R3	-232	b	7	W	
507		1078	5276		51.6	-63	09	5.6	.062	M5	- 12	c	2	L	
508		1082	5268		51.8	-09	01	6.4	.048	sgG3	+ 45	c	3	W	
509	W	Cas	5235		51.9	+58	18	7.8v	.030	Se	- 39	c	2	W	Em -58 *
510		1084	5267		5L9	+18	55	5.8	.021	AOn	+ 12	c	7	SV	*
511		1086	5234		52.0	+58	42	5.0	.052	gK2	- 23.0	a	8	LW	*
512		1090	5273		52.2	+48	24	6.6	.026	M1	- 51.9	b	4	D	
513		1091	5286		52.3	+23	21	5.6	.131	sgK1	+ 1.5	b	3	W	
514		1094	5308		52.4	+23	09	8.2	.063	dF5	- 2	c	2	L	
515		1096	5316		52.6	+24	17	6.4	.022	gM7	- 10	c	2	V	
516	-0°	139	5362		53.0	-00	15	7.6	.041	gK4	- 29	c	A	L	
517	K 8-	1454	.....		53.1	+61	29	11.1	.....	O7	- 24	e	2	Md	IS -54 e
518	X	Tuc	5457		53.1	-69	48	5.3	.035	G7	+ 5.1	b	4	L	
519		1103	5384		53.2	-07	37	6.0	.043	gK5	+ 1.9	b	3	W	
520		1104	5343		53.2	+57	44	6.4	.039	K3	- 30.3	b	4	D	
521		1105	5382		53.3	+26	56	5.9	.022	A3n	- 7.9	b	5	WV	*
522		1109	5397		53.5	+34	57	6.8	.017	A2n	+ 7	c	8	S	
523		1111	5437		53.5	-11	32	5.5	.025	gK5	- 25.8	b	10	3	*
524		1114	5357		53.7	+68	30	6.4	.139	F2	- 8.4	b	4	D	
525		1115	5395		53.7	+58	55	4.8	.102	sgG4	- 47.0	a	7	LV	*
526	y	Cas	5394		53.7	+60	27	2.2	.026	BOne	- 6.8	a	161	5	*
527		1119	5351		53.7	+68	47	9.4	.721	dK6	- 45	c	3	W	
528	8°	169	5453		53.7	-07	51	8.2	.242	sgF6	+ 6	c	2	L	
529		1120	5408		53.8	+60	06	5.5	.033	B9	- 2	c	9	VY	SB (90) *
530	28°	155	5449		53.9	+28	31	8.6	.007	G5	+ 4.7	b	4	D	
531	JL	And	5448		54.0	+38	14	3.9	.156	A2	+ 7.6	b	17	3	*
532		1124	5462		54.0	+26	04	8.2	.054	M0	- 8.0	b	4	D	
533		1127	5459		54.3	+61	09	6.6	.059	G6	- 8.6	b	5	D	
534	61°	185	5458		54.3	+62	17	8.6	.....	B2n	- 42	c	2	W	IS -13 c
535	34°	152	5494		54.3	+34	36	8.2	.076	dF7	- 33	c	2	L	
536		1132	5492		54.4	+51	58	7.3	.013	K2	- 38	c	2	V	
537	-0°	145	5520		54.4	+00	11	8.0	.009	dF3	+ 9	c	4	W	
538	1?	And	5516		54.5	+23	09	4.6	.054	gG5	- 10.3	a	53	L	Orb. Gordon
539	+0°	148	5543		54.7	+01	07	8.0	.026	dF2	+ 0.8	b	3	W	
540	-0°	146	5544		54.7	+00	04	7.7	.020	gKO	- 13.2	b	3	W	
541		1142	5526		54.8	+45	34	6.2	.011	gK2	+ 5.1	a	11	3	*
542	55°	215	236589		55.0	+56	10	9.0	.017	B0	- 54	d	2	Md	IS -38 c
543		1148	5575		55.1	+28	43	5.6	.009	gG6	- 0.5	b	3	W	
544	61°	187	5552		55.2	+61	40	9.4	.....	cB2	- 29	c	3	Md	
545	62°	175	5551		55.2	+63	27	7.7	.007	B1	- 51	c	8	DW	IS -18 c *
546		1153	5612		55.3	+13	26	6.4	.018	gG6	+ 15.2	b	3	W	
547		1156	5550		55.3	+66	05	6.0	.044	B9	- 10.3	b	6	V	
548	44°	206	5596		55.4	+45	19	7.2	.026	A3	- 18.5	b	0	D	
549		1159	5608		55.5	+33	41	6.2	.074	KB	- 17.3	b	4	S	
550		1160	5641		55.6	+21	08	6.7	.008	A0E	- 6	c	7	SV	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
551	A 8Q6B	.....	0	55.7	-15	57	7.8	0.025	dF7	- 2.1	b	3	W	
552	A 806A	5659		55.7	-15	57	7.7	.026	dF6	+ 0.6	b	3	W	
553		5650		55.8	+26	31	7.5	.061	gK5	- 22.4	b	7	DL	*
554		5638		55.9	+46	46	6.8	.016	B2	- 12.9	b	25	S	Orb. Shajn
555	OL ScI	5737		56.2	-29	38	4.4	.011	B5	+ 10.2	a	16	LY	*
556		5722		56.2	-11	39	5.8	.040	gG7	- 18.6	b	3	W	
557		5735		56.3	-19	54	7.3	.047	gM2	+ 29	c	4	W	SB (23)
558		5705		56.4	+27	23	7.2	.013	K0	- 8.8	b	4	D	
559		5256		56.8	+87	03	8.9	.324	dG4	+ 15.6	b	3	W	
560		5780		56.8	+00	31	7.8	.107	gMO	-103.6	b	5	W	
561		5750		56.8	+32	13	7.0	.353	dF5	+ 22.9	b	3	W	
562	59°	5747		57.0	+60	15	7.2	.040	gG8	+ 16.2	b	3	W	
563	13°	5802		57.1	+14	20	9.0	.021	dFO	+ 7.3	b	3	W	
564		5764		57.1	+47	45	7.0	.016	B2	- 8	c	9	SD	*
565		5715		57.1	+70	43	6.5	.087	A4n	+ 6	c	9	VW	*
566		5788		57.2	+44	27	6.8	.024	AOn	+ 17	c	10	VW	SB (66) *
567		5789		57.2	+44	27	6.0	.025	B9n	+ 1	c	10	VW	SB (56) *
568		5820		57.2	+06	13	6.3	.018	gM2	- 15.0	b	3	W	
569	62°	5776		57.3	+62	46	8.4	.000	cAO	- 37	e	1	W	IS -32 d
570	59°	5797		57.5	+60	11	8.8	.037	gA8	- 8.1	b	5	W	
571		5813		57.5	+58	06	7.2	.009	A3	- 3.8	b	4	D	
572		5854		57.7	+37	31	7.0	.033	A3	+ 7	c	6	S	
573	U Cep	5679		57.7	+81	36	6.7v	.025	*	+ 5	c	176	MdL	B8+gG8 *
574	6°	5892		57.9	+07	05	8.2	.026	dF5	- 2.9	b	3	L	
575		5839		58.2	+69	05	6.7	.002	B9	+ 4.9	b	3	W	
576	CC 65	.....		58.2	+61	07	10.8	.85	dM2	+ 12	c	2	W	
577	CC 66	.....		58.3	+71	25	10.1	1.76	dM4	+ 6	c	7	MdW	*
578	60°	5890		58.3	+60	47	8.9	0.049	dF1n	+ 2.0	b	4	W	
579	28°	5917		58.3	+28	45	9.0	.209	G5	+ 20.8	b	4	D	
580		5916		58.5	+45	11	7.0	.108	dG2	- 70.6	b	3	W	
581		5944		58.7	+57	33	6.7	.022	A2	- 8.3	b	4	D	
582	% ScI	6055		59.0	-39	11	5.6	.094	K0	- 31.1	b	3	L	
583		5817		59.1	+81	50	8.4	.189	dG2	- 50.7	b	3	W	
584		6028		59.4	+50	46	6.6	.013	A2n	+ 6.4	b	4	D	
585	CC 68	.....		59.4	+62	04	9.5	.76	dM2	- 4	c	6	MdW	*
586	1°	6064		59.4	+02	16	8.0	.105	dF6	+ 1	c	3	L	
587		6077		59.5	+07	40	7.8	.041	gG9	+ 24	c	4	W	SB
588		5996		59.6	+68	58	8.1	.278	dG7	- 20.7	b	3	W	
589		6101		59.8	+04	47	8.4	.395	dK6	+ 19.7	b	3	W	
590	11°	.....		59.9	-10	42	10.1	.13	dMO	- 20	c	2	W	
591		6084	1	00.0	+51	32	6.8	.017	B5	- 17.0	b	4	V	
592	<r ScI	6178		00.1	-31	49	5.5	.075	A2	- 21	c	6	L	
593	a* Psc	6118		00.1	+31	32	5.5	.029	B9	+ 10.4	a	116	L	Orb. Pisani
594	5g4	6116		00.1	+41	05	5.9	.025	gA5	+ 4.4	b	4	W	*
595		6114		00.1	+47	06	6.4	.085	A3n	+ 3	c	13	W	SB *
506	€ Psc	6186		00.3	+07	37	4.4	.087	?G5	+ 7.0	a	10	3	*
597		6203		00.5	-05	06	5.7	.151	g&i	+ 15.3	b	3	W	
598		6130		00.5	+60	48	5.9	.010	gA9	- 0.9	b	3	DW	*
599		6147		00.6	+58	38	7.0	.038	K5	- 12	e	1	V	
600		6245		00.6	-46	40	5.3	.012	G§	- 1.4	a	5	L	

Cat. No.	Star	aa •No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		<i>lr</i>	km/sec					
601	61° 200	6182	1	00.8	+61	34	8.6	0.036	B1	- 43	c	3	W	IS -14.2 b
602	1271	6226		01.0	+47	22	6.7	.003	B5	- 55	c	13	3	IS -23 c *
603	1275	6211		01.1	+52	14	6.3	.057	K2	- 7.0	b	4	D	
604	1279	6210		01o2	+61	19	5.9	.071	dF5	- 16.1	b	9	DW	*
605	1280	6238		0L2	+56	51	7.1	.003	G7	- 2	c	2	V	
606	A 875A	6288		0L2	+01	06	6.1	.123	dA8n	+ 5.6	b	7	VW	*
607	A 875B	.....		0L2	+01	06	9.0	.....	dG8	+ 5.9	b	3	W	
608	1283	6262		01.3	+38	25	7.3	.022	gM3	- 30	c	2	L	
609	25° 160	6274		01.3	+26	19	8.9	.069	GO	- 28.4	b	4	D	
610	25° 161	6286		01.4	+26	20	8.8	.022	GO	- 9	c	4	D	
611	1288	5848		01.5	+85	59	4.5	.082	gK2	+ 8.5	a	6	L	
612	1290	6301		01.7	+29	24	6.1	.139	dF6	0	c	7	SW	*
613	1292	6314		01.8	+39	43	6.7	.077	A3n	+ 11	c	9	VW	*
614	1293	6300		01.8	+50	45	6.5	.016	B4	- 5.4	b	7	V	IS -6.6 b We
615	1301	6386		02.3	+05	23	6.2	.026	gK5	- 15.0	b	3	W	
616	1302	6397		02.4	+14	41	5.6	.052	dF1	+ 4	c	7	VW	SB *
617	10° 123	6424		02.5	+11	03	8.1	.044	dF5	+ 9	c	3	L	
618	1304	6343		02.6	+65	42	7.1	.007	B5e	- 7.8	b	7	D	
619	VW Cas	.....		02.7	+61	29	<u>10.5v</u>	.....	cKDv	- 58.5	b	8	W	Cep 5.99
620	A 899A	6456		03.0	+21	12	5.6	".050	A2	- 3	c	11	VY	*
621	A 899B	6457		03.0	+21	12	5.8	.048	A0	- 4	c	6	V	
622	1311	6417		03.0	+57	29	7.1	.018	B5	- 24	c	5	V	
623	1313	6482		03.1	-10	15	6.4	.047	gG8	+ 12.3	b	3	W	
624	1316	6416		03.2	+62	30	6.4	.104	A3n	+ 11	c	7	VW	SB (76) *
625	12° 133	.....		03.2	+13	03	9.1	.....	sgF9	+ 22	c	4	W	
626	A 903A	6479		03.2	+04	39	6.8	.117	dF5	- 7.4	b	8	VW	*
627	A 903B	6480		03.3	+04	39	7.6	.117	dF4	- 10	c	7	DW	*
628	1320	6476		03.4	+31	55	6.6	.022	gK2	+ 27.5	b	11	VW	*
629	1321	6414		03.4	+70	40	6.6	.087	A4n	- 6	c	4	W	
630	CC 74	.....		03.6	+63	40	8.7	L53	dML	- 3.4	b	3	W	
631	1° 141	6529		03.7	-00	32	8.2	0.040	sgF4	- 1	d	2	L	
632	1333	6475		03.8	+59	36	6.8	.009	AOn	0	c	5	D	SB (53)
633	28° 179	6525		03.8	+29	26	8.1	.057	G5	- 4	c	4	D	SB (20)
634	£ Phe	6595		03.9	-46	59	3.4	.035	G4	- 1.1	a	26	LC	*
635	1336	6557		03.9	+12	41	6.2	.038	gG7	+ 7.5	b	3	W	
636	1339	6497		04.0	+56	40	6.6	.170	K1	- 95.5	b	4	D	
637	1343	6540		04.2	+53	14	6*5	.021	K0	+ 6.8	b	4	D	
638	Z Get	.....		04.2	-01	45	8.4v	.....	gM2e	+ 3	c	2	W	Em -6 *
639	K 8-1105	.....		04.3	+60	22	1L5	.....	cB2	- 33	d	2	Md	IS -12 c
640	37° 210	6586		04.4	+38	23	7.3	".0*46	dF8	+ 14.4	b	3	W	
641	1350	6612		04.6	+37	46	7*0	.009	JB9	- 5	c	4	S	
642	A 923B	.....		04.6	-02	00	8.3	.061	dG3	- 1.0	b	3	W	
643	A 923A	6651		04.6	-02	00	7.5	.066	dF6	- 6*3	b	3	W	
644	1358	6473		04.9	+79	45	6.4	.042	sgG6	- 27.4	b	10	VW	*
645	K 8-1128	.....		04.9	+60	16	<u>10.2</u>	.....	B2	+ 6	c	3	Md	IS -31 c
646	fi Cas	6582		04.9	+54	41	5.3	3.762	dG4	- 97.2	a	8	LV	*
647	1361	6660		04.9	+22	42	8.6	0.495	dK6	- 3.4	b	S	W	
648	46° 266	6645		05.0	+46	35	7.5	.021	gKQ	- 26	c	2	L	
649	1364	6658		05.1	+43	41	5.2	.174	A2	+ 8.5	b	13	3	*
650	1365	6664		05.2	+38	59	8.0	.059	dG1	+ 6	c	2	L	

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	VeL	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	//		km/sec					
651	1368	6680	1	05.2	+31	45	6.3	0.202	≤A7n	+ 14	c	11	VW	*
652	1369	6706		05.3	-10	03	5.9	.150	dF3	+ 21.9	b	3	W	
653	1370	6695		05.3	+20	28	5.6	.125	A2	- 2	c	15	MiV	*
654	l Tuc	6793		05.3	-62	03	5.3	.072	G5	- 7.8	b	4	L	
655	1374	6734		05.4	+01	44	6.7	.440	dG5	- 95.4	b	3	W	
656	1376	6676		05.5	+58	00	5.7	.007	B8	- 4	c	4	D	
657	V Phe	6767		05.5	-41	45	5.2	.031	A3	+ 9	c	9	L	
658	1383	6763		05.8	+05	23	5.7	.320	sgA8	+ 7.1	b	3	W	
659	CC 82	.....		06.0	+16	59	10.5	.62	dK6	- 36	c	2	W	
660	7) Cet	6805		06.1	-10	27	3.6	.250	gK1	+ 11.5	a	18	3	*
661	K 8-1162	.....		06.1	+60	22	9.3	.....	Bin	- 34	e	1	Md	IS -19 e
662	I Phe	6882		06.3	-55	31	Jl	".030	B8	+ 18	b	15	L	Orb. Colacevich
663	1392	6755		06.5	+61	17	7.8	.623	dF5	-319.9	b	5	W	
664	0 And	6811		06.6	+46	59	4.3	.010	B8e	- 0.1	b	11	LY	*
665	1399	6833		06.8	+54	28	7.1	.053	dG5	-245	c	4	VW	*
666	£ And	6860		06.9	+35	21	2.4	.211	gMO	+ 0<<	a	37	6	*
667	33° 180	6876		07.0	+34	21	8.1	.....	sgF5	+ 8	c	2	L	
668	1403	6319		07.0	+86	53	6.4	.059	gK2	- 5.3	b	4	W	
669	1404	6903		07.1	+19	24	5.6	.013	gF5	- 8.0	b	4	WS	*
670	1406	6829		07.2	+68	31	5.3	.042	A0	+ 1	c	12	3	*
671	1409	6840		07.4	+67	31	6.6	.0246	dF6	- 9.5	b	4	WV	*
672	1410	6920		07.5	+41	49	5.7	.145	dF7	- 10.6	b	11	3	*
673	1411	6966		07.5	+15	25	6.4	.034	gK6	- 2.5	b	6	V	
674	1415	6953		07.6	+25	12	6.1	.112	gK5	+ 4.5	b	8	DW	*
675	1418	6976		07.7	-09	10	6.6	.036	gG6	- 20.4	b	4	W	
676	1420	6798		07.9	+79	25	5.7	.092	A0	+ 18	d	2	Vn	
677	K 8-640	.....		07.9	+59	23	11.5	.....	B2	- 12	d	2	Md	IS -25 c
678	1422	7014		08.0	+02	11	6.2	.010	gK4	- 2.6	b	3	W	
679	EV" Cas	.....		08.0	+53	27	12.9v	.....	Ne	- 19	d	1	W	Em -44 *
680	6 Oas	6961		08.0	+54	53	~O	.229	A5	+ 9.4	b	15	3	*
681	1426	6960		08.2	+63	56	5.5	.041	B9	- 9.9	b	10	3	*
682	1431	7034		08.3	+31	10	5.0	.018	A5	+ 2	c	12	3	*
683	56° 213	236644		08.4	+57	20	9.3	.013	B3	- 59	d	3	Md	IS -34 c
684	1434	6972		08.4	+64	45	5.5	.026	BBn	- 2	c	14	3	*
685	59° 199	7010		08.5	+60	14	7.9	.018	gKB	+ 12.1	b	3	W	
686	K 8-1675	.....		08.6	+61	39	11.8	.....	B1	- 52	d	2	Md	IS -41 c
687	X Psc	7087		08.8	+20	46	4.9	*.037	gG9	+ 15.8	a	9	3	*
688	T PSC	7106		08.9	+29	49	4.7	.078	sgK1	+ 29.9	a	11	LB	*
889	K 8-1680	.....		09.0	+62	03	11.1	.....	BOe	- 6	e	1	Md	IS -37 e
600	1444	7147		Of. 2	-02	31	~O	*.069	gK4	- 8.9	b	3	W	
691	X Psc	7160		09.4	+21	58	8.5v	.....	gM6e	+ 11	c	2	W	Em -3 *
692	UZ Cas	.....		09.5	+60	57	10.8v	.014	CG2F	- 51.0	b	8	W	Cep 4.26
693	1451	7158		00.7	+45	04	6.6	.033	gM1	+ 21.5	b	4	W	
694	LPM 63	.....		09.9	-17	16	11.6	1.33	ciMSe	+ 28	c	3	W	
695	1454	7218		09.9	+02	12	6.8	0.204	dF4	+ 3.2	b	4	W	
696	1455	7157		10.0	+61	26	6.3	.038	B9	- 2	c	6	D	
697	46° 289	7189		10.0	+46	55	7.7	.017	gG6	- 21	c	2	L	
688	1459	7215		10.1	+31	49	6.6	.008	A2+A1	- 2	c	4	W	SB 2-sp
688	1482	7220		10.2	+29	48	6.4	.030	G6	+ 35.0	b	4	B	
700	1468	7263		10.3	-07	03	6.9	.061	gG8	- 11.4	b	3	W	

Cat. No.	Star	ED. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
			h	m	s								
701	1467	7254	1	10.5	+33 50	0.6	0.007	A0	+ 1	c	2	V	
702	1470	7299		10.8	+29 28	6.8	.049	K0	- 11.5	b	4	D	
703	1472	7252		10.9	+60 37	7.3	.048	B2	- 2.5	b	10	W	IS -9 c *
704	25° 194	7308		10.9	+25 58	7.9	.041	K2	- 46	c	5	D	SB (43);
705	1473	5914		11.0	+88 45	6.5	.075	A2	- 10.0	b	5	D	
706	4> Psc	7318		11.0	+24 19	4.8	.032	gG7	+ 5.9	a	26	3	SB *
707	1475	7307		11.1	+26 52	8.7	.042	gM5	+ 27.0	b	4	W	
708	3 PSC	7344		11.1	+07 19	5.6	.147	A5	+ 9	c	6	V	A 936A *
709	A 996B	7345		11.1	+07 19	6.5	.148	dF6	+ 10.9	a	27	W	Orb. Christie
710	25° 196	.....		11.2	+26 01	9.1	.028	K0	+ 12	c	4	D	
711	K 8-1717	.....		11.3	+61 26	11.6	.....	B5n	- 7	e	1	Md	
712	1480	7351		11.3	+28 16	6.6	*.090	gM2	+ 2	c	6	D	SB *
713	25° 197	7352		11.4	+25 34	8.4	*.005	G5	- 21	c	4	D	SB (17)
714	1482	7374		11.5	+15 52	5.8	.035	A2p	- 15.5	b	9	DW	*
715	K 8-1720	.....		11.6	+61 41	11.2	.....	BOe	*.09	e	1	Mel	
716	BP Cas	.....		11.7	+65 21	12.1v	.....	.....	- 41.0	b	10	W	Cep 6,27
717	RO Psc	.....		11.7	+24 09	TTUv	.....	A3	- 11.5	d	2	W	HH0.39
718	A 1003B	7438		11.9	-08 11	<i>m</i>	*.313	dG7	+ 10	c	4	W	
719	A 1003A	7439		11.9	-08 11	5.2	304	dF2	+ 22.0	b	9	3	*
720	1404	7238		12.0	+79 39	6.4	.082	dF5	- 42.6	b	3	W	
721	25° 200	7426		12.0	+26 10	8.7	.028	KD	+ 2.4	b	4	D	
722	1496	7446		12.1	+06 44	6.2	.026	gG6	- 9	c	6	W	
723	1501	7476		12.3	-01 14	5.8	.211	dF3	+ 25.3	b	7	#	
724	1505	7389		12.6	+71 29	6.4	.012	K4	- 17.0	b	4	D	
725	U And	7482		12.6	+40 27	Mv	.....	gM6e	- 4	c	2	W	Em -19 *
726	v Phe	7570		12.9	-45 48	4*9	.aS86	dGO	+ 11.5	a	12	la	
727	UZ And	.....		13.3	+41 29	9.0v	.....	gM7e	- 39	b	3	W	Em -51,2 *
728	Z Psc	7561		13.4	+28 30	7.0v	*.015	N	4 18	b	5	W	Irr
729	K 8-1730	.....		13.4	+59 56	11.1	.....	B3a	+ 4	e	1	Md	IS -36 u
730	1521	7578		13.5	+32 51	HO	*.035	K0	+ 5.0i	b	4	D	
731	A 1023A	7651		13.8	-07 25	9.8	.036	dG8	+ 9.7	b	3	W	
732	A 1023B	.....		13.8	+07 25	9.8	.....	iGQ	+ 10	c	3	W	
733	cc m	.....		13.1	+25 04	10.3	*.41*	dK5	- m	c	2	W	
734	1634	7872		14.1	-02 48	5.5	.123	gG5	- 20	c	4	W	
735	* Tac	77i8		14.1	-69 08	5.1	.415	F2n	* 9.2	b	5	L	
736	KU Cep	.....		14.*	+84 52	8.5v	.022	cK4v	- 10	b	7	W	Sfi 110 *
737	1539	7U47		14.2	+44 38	6.5	.045	K5	* 51.3	b	4	D	
73d	bd''	210	2366	142	+58 M	9.8	.029	B2	- 31	ci	2	Md	IS -45 c
739	1540	7638		14.3	+57 22	7.1	.009	B2&c	- 14	c	5	%	IS -12 u 1
740	1542	172?		14*4	-02 32	6.1J	.281	CSFB	* Sa8	b	3	W	
74!	XX And	.....		14.6	*3f 41	11.0f	.....	A3-F5	- 11	d	1	W	HK 3.72
742	1644	7724		14*8	*31 29	8.9	.055	10	* 32.1	b	4	D	
743	54° 258	7694		14.5	+55 10	7.4	.008	B3	- 0	li	4	V	
744	1562	76ii2		15.1	*7fc 7	7.6	Jk4	g©	* 17.7	b	3	W	
745	1565	77W		if), 2	+47 09	€4	.DJ4	KD	- 1.3	b	5	D	
74C*	1566	7404		i%k	H*J 21	5.3	.055	Aln	* 5.3	b	15	4	*
747	N 437-4	.....		IX?	*57 bl	8.8	.....	B2*	- 10	d	t	WL	IS -23 c *
74ri	AW C-r	.....		15.8	*€ 07	10.0v	< * >	B3-B9	- 20	c	28	Md	IS -25.1 b *
74:*	K s-177i	.....		IL'j	*01 34	11.9	.....	B3	- 1e	e	2	114	IS -8 d
750	1578	7893		15.9	*57 57	6.3	.019	gA9	* f B	b	6	V	

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	''	km/sec						
751	S Cas	7769	1	16.0	+72	21	6.2 _v	0.012	Se	- 32	c	3	W	Em -51.8 *
752	N 457-5	.....		16.0	+57	58	9.9	.....	B3	- 37	d	5	WL	IS -22.0 b *
753	1580	7732		16.1	+77	18	6.4	.092	gG4	- 73.8	b	7	DW	*
754	1582	7895		16.1	-01	08	8.1	.506	dG8	+ 13.2	b	5	W	
755	14° 252	7920		16.2	-13	40	8.1	.012	cK2	+ 14.0	b	3	W	
756	55° 290	7861		16.3	+56	03	8.9	.025	gM6	+ 5	c	4	W	
757	N 457-7	.....		16.4	+58	00	10.0	.....	B3	- 42	d	5	LW	IS -24 c *
758	N 457-3	.....		16.4	+58	00	9.7	.....	B1	- 55	d	5	WL	IS -23.8 b *
759	1586	7983		16.5	-09	12	9.0	.501	dGO	- 4.4	b	3	W	
760	N 457-2	7902		16.7	+57	56	7.9	.....	B5	- 31	d	2	L	
761	v Psc	7964		16.7	+27	00	4.7	.022	A2	+ 8	c	11	3	*
762	tf> Cas	7927		16.9	+57	58	5.2	.001	cF7	- 24.4	a	51	3	*
763	1600	8036		17.2	-00	46	6.0	.012	gG3	+ 14	c	6	SW	*
764	CC 96	.....		17.6	+57	04	10.3	.60	dK6	+ 22	c	2	W	*
765	1613	8003		17.7	+64	24	6.3	.060-	AOn	- 15	c	10	WV	*
766	75° 58	7924		17.8	+76	26	7.3	.08	dKO	- 22.7	b	3	W	
767	1616	7925		17.9	+75	59	6.4	.077	A3n	- 15.5	b	5	D	
768	14° 204	8110		18.0	+15	26	7.5	.047	dG6	+ 8	c	3	W	
769	SS Psc	.....		18.2	+21	28	11.0 _v	.....	F0	+ 5	d	1	W	RR 0.29
770	1626	8142		18.2	-14	09	~ <u>20</u>	".057	gG4	+ 8.1	b	5	W	
771	1630	8126		18.4	+28	29	5.6	.074	gK5	- 35.6	b	8	DW	*
772	CC 97	.....		18.6	+31	05	8.8	.494	dK4	+ 20.2	b	3	W	
773	1641	8209		19.3	+43	19	6.6	.004	B5n	+ 17	c	8	W	
774	1642	8065		19.3	+78	28	6.1	.005	cA2	- 75.3	b	9	WV	IS -6.5 b *
775	C 175	8249		19.3	+14	55	8.3	.280	dG2	+ 10.4	b	3	W	
776	15° 198	8248		19.4	+15	32	7.5	.064	dF4	+ 3.5	b	3	W	
777	£ And	8207		19.4	+45	16	5.0	.036	gG9	- 11.7	a	9	L	
778	1648	8262		19.6	+18	25	8.0	.541	dG2	+ 2.4	b	6	WL	*
779	21° 182	8274		19.7	+21	50	7.2	.015	F8	- 47	c	3	S	
780	25° 228	8300		19.9	+26	19	8.2	.006	K0	- 22.6	b	4	D	
781	CC 99	.....		19.9	+12	29	9.2	.400	dK3	+ 10	c	2	W	
782	1655	8335		20.0	-00	43	6.5	.021	gKO	+ 14.4	b	3	W	
783	1657	8334		20.0	+01	28	6.5	.068	gMQ	- 15	c	4	W	
784	C 176	8243		20.1	+67	51	8.8	.137	dG5	+ 8	c	4	W	
785	1662	8272		20.2	+57	53	6.4	.166	F5	+ 7.0	b	4	D	
786	44° 290	8317		20.3	+45	04	7.3	.018	A1	+ 4	c	5	S	
787	13° 249	8389		20.5	-13	14	8.3	.477	dKO	+ 30.6	b	3	W	
788	1677	8388		20.7	+20	13	6.3	.013	K7	- 11.3	b	4	D	
789	1680	8375		20.8	+33	59	6.3	.255	G5	+ 2.8	b	4	D	
790	1681	8374		20.8	+37	27	5.5	.078	A3	+ 13	c	8	VY	SB *
791	1682	8447		20.9	-18	12	7.2	.042	gM3	0	c	3	L	
792	1686	8442		2L2	+17	33	6.8	.094	F2	- 15.2	b	6	D	
793	36° 241	8452		21.4	+36	38	7.1	.033	A2n	+ 14.1	b	7	S	
794	RW Psc	.....		21.5	+21	36	9.1 _v	.....	gM3	0	c	2	W	
795	6 Cat	8512		21.5	-08	26	3.8	".229	sgKD	+ 17.2	a	17	LC	*
796	1697	8556		21.8	-07	10	6.0	.038	dF2	+ 28.6	b	3	W	
797	46° 349	8507		22.0	+46	55	7.8	.023	cG5	- 28	c	2	L	
798	1700	8424		22.1	+70	43	6.5	.018	AOn	+ 10.9	b	5	D	
799	76° 42	8364		22.1	+77	25	8.0	*#••	dF8	- 10.5	b	3	W	
BOO	1702	8553		22.2	+18	15	9.1	.579	dK4	+ 8.5	b	5	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Deci.									
			h	m	°	'								
801	<i>f</i> Cas	8491	1	22.4	+67	52	5.0	0.083	gG8	- 11.5	b	10	LW	#
802	22° 223	8586		22.4	+22	41	8.1	.034	c!F5	- 5.8	b	3	L	
803	1711	8651		22.5	-41	45	5.3	.031	G8	+ 7.12	b	4	L	
804	1712	8627		22.5	-06	12	6.8	.020	dF1	+ 15.5	b	3	W	
805	6 Cas	8538		22.5	+59	59	2.8	.301	A3n	+ 6.7	b	18	3	*
806	15° 208	8026		22.6	+16	00	7.4	.009	gK5	- 4	c	3	L	
807	46° 352	8583		22.7	+46	52	7.7	.023	gG4	- 10	c	2	L	
808	1722	8634		22.9	+23	15	6.1	.041	dF4	- 16	c	8	VS	SB (30) *
809	1725	8705		21.2	-14	52	5/2	.038	gK3	- 23.1	a	9	3	*
810	1726	8673		21.3	+34	19	6.3	.243	dF5	+ 16.9	b	9	¥5	*
811	1729	8671		21.4	+43	12	0.1	.118	dF6	+ 30.6	a	13	3	*
812	<i>p</i> PBC	8723		21.6	+18	55	5.3	.029	dF1	- 8.5	b	15	3	*
813	1735	8710		21.8	+43	26	8.9	.143	F2	+ 7.1	b	7	D	
814	1738	8779		23»§	-00	39	6.5	.040	gKD	- 8.4	b	0	W	
815	1739	8747		24.0	+26	59	6.9	.050	K0	- 5	c	2	S	
816	1740	8763		24.0	+18	59	5.6	.074	gK1	- 41.7	b	4	W	
817	26® 241	.....		24*1	+27	15	3.5	.046	K2	+ 30	c	4	D	
818	59® 251	236740		24.1	+60	02	8.3	.012	B2	- 42	c	3	W	
819	1741	8701		24*2	+65	49	7*4	.048	K4	0	a	1	V	
820	1744	8774		24*3	434	07	6.3	.151	F5	+ 14.3	b	4	S	
821	A 1148A	8803		24.3	+03	17	6.4	«029	B8E	+ 15	c	4	%	
822	A 1148B	.....		24.3	+03	17	9.0	.....	dFO	+ 15	c	4	W	
823	1746	8791		24.3*	+25	11	7.7	.019	K2	- 16.9	b	4	D	
824	1747	8820		24 A	-13	19	5.7	.019	dF1	+ 10.4	b	3	%	
825	1749	8801		24.5	+40	59	6.4	<i>mu</i>	AO	+ 1.3	b	3	?	
326	29° 23§	8815		24.5	+29	31	7.2	»123	F2	- 8.7	b	4	D	
827	*a> And	8719		24.7	+45	09	5.0	.387	dF2	+ 10.8	a	15	4	*
828	R Sci	8879		24.7	-82	48	5.8v	.033	Np	- 8	c	2	W	
829	29° 240	8828		24*7	+30	15	B»5	.073	dFO	- 5.1	b	3	W	
830	-0" 231	8815		24.8	-00	12	a.3	<i>MB</i>	dP3	+ 22.9	b	3	L	
831	1762	8730		25.0	+73	57	7.3	.221	iG5	¥ 23.1	b	3	W	
832	1766	8575J		25.1	+05	06	7*3	.131	iGO	- 14.6	h	3	W	
S33	1788	8583		25.2	+43	47	6.6	.016	ra	- 2	c	S	D	SB
834	42° 308	8884		25.4	+42	32	7.7	.035	gG7	- 17	c	2	L	
835	1773	8909		25.5	+30	15	6.9	.081	dF4	- 15	c	S	W	SB (21) *
836	38 ^B 259	8908		25.6	+36	50	7.3	.026	B8	- 22.3	b	6	S	
837	<i>tin</i>	SMI		25.7	+16	49	Ci	.120	tiF8	+ 5.5	1)i	§	DW	*
338	1780	S§4§		25.8	+07	42	6.4	AU	K2	* If	b	4	D	
S39	<i>y</i> Phm	9053<		21.2	-43	34	14	.209	MI	* 25.?	1	3!	h	Qrh, **i>4a
840	<i>j</i> 1790	8997		28.3	>21	28	7.9	.493	dK4	+ 44	€	8	W	
841	1715	<i>mm</i>		25.4	+07	02	8.7	.039	dFO	- i	c	5	*	
WA	&§ ^a 28G	ISSS		MM	+60	38	7.3	.014	B2	* I	c	1	V	li -17.9 &
643	30* 230	gO2S		26.6	+30	38	g.w.3	.19?	dF3	* 47	b	3	H	
844	<i>i</i> Z Per	.....		21.1	*&0	SS	8.0v	.....	St	- 13	t	2	^	En; -21 •
845	1103	§C22		27.0	*m	n	7.2	.012	Ki	+ 4D	4	1	V	
M46	2804	9070		27.0	+30	At	fU	.128	305	+ 11.5	p	3	W	
641	BOC	§§&7		27.1	*4§	45	LS	.013	gK2	- 13.3	a	a	*LV	*
J4J§	3807*	9100		27.2	+2#	Si	6.#	.060	A3	+ 4.2	i)	n	U#	*
§4§	333*	9232		at2	-21	53	5.1	.052	AO	+ 7.7	to	4	L	
850	28° 252	.....		27.3	+29	54	fe5	.013	«M2	+ rii	b	3	*	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes			
			R.A.	Decl.											
			h	rat	°	'	μ	km/sec							
851	1811	9030	1	27.4	+65	50	6.2	0.085	A2	+ 9	c	8	WV	SB (49) *	
852	1817	9021		27.5	+70	00	6.0	.153	dF6	+ 5	c	10	WV	SB (31) *	
853	<i>ii</i> Psc	9138		27.6	+05	53	5.1	.294	gK4	+ 34.8	a	16	3	*	
854	1825	9105		27.9	+63	05	7.5	.019	cB5e	- 37.3	b	23	3	IS -20.8 b *	
855	1828	9228		28.0	-26	28	6.0	.038	gK4	- 1	d	1	1	W	
856	B Psc	9203		28.1	+02	37	7.0 _v	.004	gM4e	- 45	d	2	2	W	Em-59 *
857	CC 106	.....		28.2	+15	19	9.5	-423	dK6	- 32	c	2	2	W	
858	1836	9224		28.5	+29	09	7.3	.179	GO	+ 14.1	b	4	4	D	
859	1837	9223		28.5	+38	31	7.2	.024	<i>BSn</i>	+ 11	c	7	7	S	
860	1838	9166		28.8	+68	00	7.0	.115	gK2	- 13.9	b	4	4	W	
861	<i>A</i> Psc	9270		28.8	+15	05	3.7	.027	gG3	+ 14.8	a	80	8	*	
862	29° 256	9269		28.9	+30	22	8.4	.079	gG9	+ 42.3	b	9	9	WD	*
863	<i>6</i> Plie	9362		29.2	-49	20	4.0	.204	G4	- 6.9	a	15	15	LC	*
864	1851	9250		29.3	+63	20	7.3	.009	KQ	- 19	d	1	1	V	
865	1852	9312		29.4	+16	42	6.8	.240	G5	- 4.5	a	35	35	D	Orb. Heard
866	BR <i>Cet</i>	9356		29.6	+01	05	9.2 _v	.058	A5-F0	- 84	c	6	6	W	BE 0.55
867	A 1209A	9311		29.9	+60	26	7.3	.033	B5	- 38.9	b	8	8	VW	NGC 581-114 *
868	A 1209B	.....		29.9	+60	26	10.1		B3	- 37	c	5	5	LW	IS -14 c *
869	N 581-146	.....		30.1	+60	23	9.2	.....	B3	- 43	c	4	4	LW	IS -11 c *
870	55° 354	9354		30.1	+55	34	7.3	.007	KO	- 15	d	1	1	V	
871	1869	9329		30.2	+62	16	7.2	.022	K2	- 23	d	1	1	V	
872	IB70	9352		30.2	+58	04	6.0	.012	cK1	- 0.6	b	3	3	W	
873	WW Cas	.....		30.3	+57	30	9.1 _v	.....	N	- 59	c	3	3	W	Lrr
874	1873	9366		30.3	+54	41	7.2	.020	K2	- 32	d	1	1	V	
875	AC77° 742	.....		30.3	+77	49	10.5	.11	dM0	- 6	d	2	2	W	
876	59° 276	9365		30.4	+60	22	8.4	.041	F4	- 16	d	2	2	L	NGC 581-183
877	1875	9446		30.5	+29	01	8.9	.229	G5	+ 20.2	b	4	4	D	
878	SX And	.....		30.6	+46	16	8.7 _v	.021	gM6e	- 69	c	2	2	W	Em -82 *
879	X Cas	9408		30.6	+58	59	4.9	.040	gG6	+ 6.4	a	10	3	*	
880	1881	9525		30.7	-37	07	5.5	.018	G8	+ 12.7	b	7	7	L	
881	29° 260	9483		30.8	+30	09	8.1	.022	A4n	+ 13	c	4	4	W	SB
882	1883	9540		30.9	-24	26	7.0	.330	dG8	- 0.1	b	3	3	W	
883	1884	9407		30.9	+68	41	6.7	.390	dG3	- 30.5	b	4	4	LW	
884	1886	9500		31.0	+35	21	7.3	.044	gM3	+ 1.3	h	4	4	W	*
885	1888	0562		31.2	-07	17	5.9	.194	dG2	- 14.6	b	3	3	W	
886	1892	9531		31.4	+36	59	5.8	.015	B9	- 4	e	5	5	W	
887	33° 257	.....		31.6	+34	24	8.3	.....	dG5	- 28.7	h	3	3	W	
888	71° 87	9454		31.7	+72	10	7.8	.....	gG2	- 18.1	h	3	3	W	
S89	1900	0040		32.1	+18	12	6.0	.075	gM2	- 26.1	to	4	4	W	
300	i&O	0616		32.1	+32	52	8.6	.136	GO	- 25.2	h	5	5	0	
891	1905	9590		32.2	+55	47	7.1	.023	B9	+ 6.0	b	6	6	W	
892	U° 259	9038		32.2	+28	51	8.3	.016	KO	- 20.1	b	4	4	D	
893	1909	9670		32.2	+00	42	7.0	.334	dF8	- 18	c	3	3	W	
894	1925	9712		32.9	+40	49	6.4	.138	G8	+ 65.2	to	4	4	D	
a85	1928	0700		33.0	+46	52	7.0	.045	B8ne	- 10	c	9	9	D	SB
888	AX <i>Per</i>	.....		33.1	+54	00	10.8 _v	.....	Pec	-110	b	6	6	W	ISin
B97	1929	9766		33.1	+14	24	6.2	.009	B9n	- 16	c	4	4	S	
B98	1931	9780		33.2	+17	11	5J	.150	A5n	+ 3	c	0	0	VS	*
am	1938	9746		33.4	+48	28	6.2	.022	gK1	- 43.2	b	9	9	WV	*
900	1040i	88471		33.4	-17	47	7.1	.337	dG2	+ 8.0	b	5	5	W	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			H.A.	Decl.									
901	59° 286	236800	h 1	33.5	+59 41	9.6	0.039	B3	- 25	d	2	Md	IS -15 d
902	1941	9850		33.5	-15 39	5.5	.027	gK1	+23.6	a	15	3	*
903	1944	9800		33.7	+48 04	7.3	.039	F0	- 6.0	b	5	D	
904	r Scl	9906		33.8	-30 10	5.7	<104	F0	+ 5	c	5	L	
905	V And	9826		33.9	+41 09	4.2	.417	dGO	- 28.1	a	15	5	*
906	RW Cas	.....		34.0	+57 30	9.7v	..	cK1v	- 62.5	b	7	W	Cep 14.3 *
907	ir Psc	9919		34.4	+11 53	.576	".080	dA5n	- 1	c	9	SW	
908	1955	9774		34.5	+72 47	5.5	.014	gG5	- 4.0	b	6	LW	*
909	1985	9900		34.8	+57 43	5.7	.012	gG9	- HA	b	3	W	
310	y Per	9927		34.9	+48 23	3.8	.129	gK2	+ 16.1	a	12	LB	*
911	21"	220		34.9	+22 19	8 A	.091	dF6	+ 47	d	2	L	
912	25"	269		35.2	+25 39	8.7	.025	KG	+ 39.2	b	4	D	
913	1977	9996		35.5	+45 09	0.3	.040	CA0	+ 3	c	17	3	*
914	CC 114	10019		35.5	+29 19	8.7	.456	dG8	- 2.9	b	3	W	
915	RU And	.....		35.7	+3B 25	9.5v	.....	gM8e	- 42.8	b	3	W	P238
916	a Eri	10144		35.9	<57 29	0.6	.098	B9n	* 19	c	7	L	
917	16"	279		36.0	-16 08	7.5	.088	gK1	+ 28	c	2	L	
918	53 ^d	354		36.1	+54 21	7.4	.014	A4n	- 3.4	b	0	W	
919	1986	10013		36.2	+64 54	BA	.209	dG8	- SB,2	b	4	W	
020	X And	10072		36.3	+44 d8	5.2	.026	gG5	+ 6.6	b	8	LW	*
921	UV Get	.....		36.4	-18 13	22.Ov	3.37	dM6e	+ 29.0	b	4	W	
922	1904	10095		36.4	+27 30	""O	0.066	K0	- 3 O	b	4	D	
923	1905	10148		38.8	-21 32	5.7	.126	A4n	* 18	c	5	W	
924	55"	375		36.3	+55 32	7.6	.025	m	- 31.3	b	6	W	
925	1907	10086		36.5	+45 3B	6.7	.320	dG4	+ 6.2	b	7	DW	*
928	1998	10113		m s	+16 22	6.S	.020	^S6	+ 4.0	b	3	W	
S27	mm	10135		36.6	+14 02	6.9	.011	gK0	~ 2.9	b	3	W	
923	Y And	10112		3S.7	+39 05	<.lv	.013	\$M3?	- 7	c	3	W	Em -1? *
929	2003	10128		36.8	+27 51	7.9	.314	dG6	* 54, ©	ii	4	W	
930	2007	10164		37.0	+10 09	6.1	.076	gK2	i IB, i	b	8	VW	*
931	2010	10110		37.0	+53 37	S.1	.014	K5	- BL3	b	4	2)	
§32	M ^r	347		37.0	+54 35	a.2	9§§§	sgF4	- S5	e	5	L	
033	r And	10205		37.6	+40 19	4.8	.026	B8	- 14	"c	a	LY	*
§34	2026	10204		37.7	443 33	5.5	.131	B^A11fi	• HA	h	12	3	
mi	44"	347		37.8	+44 45	^9f	<S7i	gioi	- 27	c	4	*	
93C	2029	10141		37.1	^66 45	7.6	8?M	* 7	* 16.0	b	3	W	
937	p EnA	10360		37.9	-56 27	€JJ	1275	dK2	+ 22.7	a	58	C^	
938	# EtiB	.....		37.9	-56 27	6.0	.....	dK5	+ 19.8	a	42	Cd	
1311	Wd 274	236427		Si.3	+S0 *D	3.1	.018	m	- 42	c	3	MSI	US -1? C
§43	21T 2TO	10296		MA [	+zi n	4 i	.33J	K0	- 3	c	4	D	
14S	2041	10222		U.1	+66 32	7.1	.039	K2	• micS	b	4	V	
142	W42	1D30S		E i	*l% SD	&3	1123	dH	* 1,1	A	4		Ord. Sanford
§43	UP C*1&	UU21		3*.6	*e1 411	5.1	.056	AD5	* l>A	j	4	VY	*
§44	2050	1f53Or		36.7	+42 'ik	i.1	.824	UCD*	• 4.0	n	4	*	
mil	44"	352		SiJ	+4& M	3.2	.114	c K	- 20	b	3	*	
MB	13M	1334H		3i.3	•:i 4C	6.0	.016	gG6	• 5.8	b	3	W	
947	v J? oc	ViM)		3BH	+05 14	4.7	.011	gK4	+ 0.4	a	4	3	#
M\$	2059	VM7J		3S.H	+70 22	w.1	.079	'A)	• 6	c	6	4	
949	2060	JO263		M1	+43 23	7.0	.....	Ad	0	c	1	4	
950	N 650-1	10346		39.1	+51 19	.....	.....	VU	- 23.6	h	1		Em Pl. neb.

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	"	km/sec						
951	2064	10390	1	39.2	+35	00	0.059	B9	- 1.9	b	12	3	*	
952	63° 224	10304		39.2	+63	39	7.7	gG8	- 9.3	b	4	W		
953	2065	10332		39.2	+60	18	7.4	gK1	+ 4.2	b	6	WV	*	
954	2068	10407		39.3	+29	15	7.4	A1	+ 7	c	6	D		
955	A 1339A	10453		39.3	-11	34	6.1	dF2	- 9.5	b	3	W		
956	A 1339B	.....		39.3	-11	34	7.4	dF3	- 21.4	b	3	W	*
957	2080	10476		39.8	+20	02	5.3	dG9	- 33.7	b	8	3	*	
958	2081	10519		39.8	-18	08	7.4	dG1	- 5.0	b	3	W		
959	2082	10538		39.8	-37	05	5.6	A0	+ 20	c	4	L		
960	x Scl	10537		39.9	-32	35	5.3	G8	+ 10.4	a	6	L		
961	2086	10425		39.9	+60	18	5.8	B9	- 37	d	8	V	SB (47)	
962	2090	10465		40.1	+48	16	7.0	cM2	- 69.6	b	3	W		
963	2091	10615		40.1	-61	02	5.6	ED	+ 2.0	b	3	L		
964	2092	11025		40.1	-85	01	5.6	KD	+ 17.8	b	3	L		
965	2093	10550		40.2	-03	56	5.3	gK3	- 34.0	a	9	CL	*	
966	CC 121	10436		40.2	+63	37	8.2	dMO	- 49	c	6	W		
967	2094	10572		40.2	-20	25	7.3	gK4	+ 25	c	2	L		
968	2095	10486		40.2	+45	04	6.5	sgK2	+ 12.2	b	3	W		
969	4> Per	10516		40.5	+50	26	4.2	BOne	+ 0.8	a	985	4	IS -6.6 b *	
970	2103	10495		40.5	+55	38	7.1	dA6n	- 18.5	b	6	W		
971	2104	10647		40.6	-53	59	5.6	GO	+ 12.9	b	6	L		
972	2108	10588		41.0	+31	56	6.4	G5	- 4.6	a	45	D	Orb. "Northcott	
973	2109	10543		41.0	+57	17	6.1	A2	+ 5	c	3	V		
974	2112	10597		41.4	+45	53	6.5	gK5	- 18.9	b	5	WV	*	
975	2116	10587		41.5	+56	50	6.2	A0	+ 5	c	5	V		
976	2117	10638		41.5	+32	16	6.8	A6	- 0.4	b	5	D		
977	A 1369B	.....		41.6	+09	14	8.7	dF4	+ 4.6	b	3	W	
078	A 1369A	10668		41.6	+09	14	8.3	dF3	+ 3.3	b	4	W		
079	r Cet	10700		41.7	-16	12	3.6	dG4	- 16.2	a	15	3	*	
980	53° 379	10636		41.9	+53	43	9.9	H6	- 30	c	3	W		
981	2127	10718		42.0	-20	51	7.8	dG4	+ 1.4	b	3	W		
982	27° 277	10681		42.0	+28	13	7.3	B9	- 1	c	6	D		
083	2131	10697		42.2	+19	50	6.2	dG4	- 43.5	b	3	W		
984	o Psc	10761		42.7	+08	54	4.5	gG6	+ 13.6	a	12	3	*	
985	C 242	10785		42.8	-16	08	8.5	dG4	- 6.9	b	3	W		
986	613° 330	.....		43.0	+61	00	8.8	B5	- 30	d	2	W	
987	72° 94	.....		43.0	+73	13	10.1	sdF2	-266	d	2	Mē	
988	25° 293	10766		43.0	+26	09	Ti	.027	G5	+ 7	c	4	D	
989	2141	10783		43.1	+08	19	6.6	A3p	+ 19	c	3	W	SB (ZS)	
990	2142	.....		43.1	+61	01	9.1	B3	- 33	d	2	W	IS -24 c
991	€ Scl	10830		43.3	-25	18	5.4	dF1	+ 14.5	b	4	L		
992	42* 370	10773		43.3	+43	28	7.4	B0E	- 14	c	6	D		
993	2148	10824		43.5	-05	59	5.5	gKA	+ 10.8	b	3	W		
904	BY Cas	.....		43.6	+61	10	11.3v	.....	- 44.0	b	6	W	Cep 3.22
995	28° 294		43.7	+29	18	"O	.037	GO	+ 2	c	4	B	
996	80° 273	10829		43.8	+80	34	8.1	GO	+ 5.8	b	4	D		
997	2156	10845		43.9	+17	10	6.5	dA7n	- 1	c	10	WS	SB *	
998	2101	10780		44.1	+63	36	5.7	dKO	+ 1.8	b	5	WV	*	
999	2103	10934		44.1	-51	04	5.5	M5	- 2.0	a	9	CL	*	
1000	2165	10939		44.2	-53	46	5.1	A0	+ 9.5	b	4	L		

Cat. No.	Star	RD. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.									
			h	m	°		'	''	km/sec				
1001	2167	10866	1	44.3	+25	55		0.024	K0	+ 21.5	b	4 D	
1002	2171	10894		44.5	+10	36		.013	B9	+ 10	c	5 S	
1003	2176	10874		44.7	+45	59		.056	F4	- 3.1	b	5 D	
1004	2178	.....		44.9	+28	14		8.3	G5	+ 31.0	b	4 D	
1005	50 ^b 360	232534		45.3	+50	53		.014	B2e	-105	e	2 Md	IS -3 c
1006	2188	10982		45.5	+16	42		.059	A0	+ 10	c	6 V	SB (32)
1007	30 ^{cl} 280	10981		45.6	+30	32		.008	G5	+ 9	c	4 D	SB (15)
1008	2192	10995		45.6	+16	46		.060	sgGO	+ 12	c	4 W	
1009	2193	10975		45.7	+37	42		.115	gG7	+ 36.5	b	9 VW	*
1010	22 ^o 297	11038		45.7	-22	28		.182	dF7	+ 9	c	5 W	
1011	2195	11007		45.8	+32	26		.347	dF6	- 26.5	b	4 WS	*
1012	2196	11037		45.8	+03	26		.023	gG6	+ 2.6	b	8 DW	*
1013	22 ^o 299	11074		46.1	-22	28		.118	dG5	- 2.1	b	3 W	
1014	A 1438A	11031		46.1	+47	39		.012	A2	- 2.4	b	4 V	
1015	A 1438B	.....		46.1	+47	39		7.0	A2	- 11	c	5 v	SB 2-sp
1016	46 ^o 454	11012		46.2	+47	00		8.2	sgF2	+ 7	c	2 L	
1017	2207	11079		46.6	+26	13		6.7	B8	+ 13	c	5 S	
1018	27^o 287	.....		46.7	+28	27		8.4	G5	- 63.0	b	4 D	
1019	2210	11131		46.9	-10	57		.166	dG1	- 2.5	b	6 W	
1020	25 ^o 307	11120		47.1	+25	30		.056	G5	- 5.2	b	4 D	
1021	X Cet	11171		47.1	-10	56		.176	dF1	- 0.9	b	6 L	
1022	28 ^o 304	11130		47.2	+29	15		.061	G5	- 35.0	b	4 D	
1023	F Per	.....		47.2	+53	30		8.0v	gM6	- 4	c	2 W	SR 90
1024	6 ^o 279	11170		47.3	+06	59		.055	sgG1	- 14	c	2 L	
1025	A 1457A	11155		47.4	+22	02		.019	A2	+ 1	d	4 V	
1026	A 1457B	11154		47.4	+22	02		7.4	gG9	+ 1.3	b	4 W	
1027	2219	11262		47.7	-38	39		6.5	dF7	+ 15	d	1 W	
1028	VV Cas	.....		47.7	+59	38		10.8v	cGv	- 50.5	b	8 W	Cep 6.21
1029	2222	11151		47.7	+51	41		5.9	dF3	- 16.8	b	8 VW	*
1030	46 ^o 463	11188		48.0	+47	13		.018	B8	- 9	d	6 D	SB
1031	2226	.....		48.0	+89	01		.047	dF1	- 8	c	11 WL	A 1477B *
1032	13 ^o 335	11274		48.0	-12	35		.005	dF5	+ 17	d	2 L	
1033	54 ^o 393	11187		48.2	+54	40		.023	AO	+ 5.0	b	6 W	
1034	2229	11257		48.2	+10	48		.076	dF2	+ 11.1	b	7 W	
1035	2236	11161		48.4	+66	12		.283	dGO	- 2.5	b	3 W	
1036	2241	11241		48.7	+54	54		.022	B3	- 3	c	19 V	*
1037	a UMi	8890		48.8	+89	02		.046	cF7	- 17.4	a	850 L	A 1477A *
1038	J Cet	11353		49.0	-10	35		.050	gKO	+ 9.0	a	48 C	Orb. fcaes
1039	CC 130	.....		49.3	-11	03		.079	M4	0	d	1 Md	
1040	59 ^o 338	236896		49.3	+60	13		.039	B5	- 48	d	2 Md	IS -26 d
1041	44 ^o 384	11336		49.4	+44	34		.041	B9	- 20	c	6 D	
1042	CC 131	.....		49.5	+17	41		.48	dMO	+ 30	c	2 W	
1043	2265	11335		49.6	+51	14		.013	AO	+ 6	c	3 V	
1044	k 1500A	11430		50.2	+37	05		.055	dF4	- 13.4	b	3 W	
1045	k 1500B	.....		50.2	+37	05		8.4	dF6	- 10.5	b	3 W	
1046	a Tri	11443		50.2	+29	20		.230	dF2	- 12.6	a	85 O	Orb. Harper
1047	2274	11428		50.3	+40	29		.006	gK1	- 7.1	b	5 W	m
1048	2277	11453		50.3	+28	34		.033	K5	+ 5.7	b	4 D	
1049	2280	11507		50.4	-22	41		.829	AMI	+ 25.9	b	5 W	wild m
1050	2281	11464		50.4	+25	48		.037	G5	+ 20	c	4 D	

General Catalogue of 'Radial Velocities'

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'	''		km/sec						
1051		2284	11408	1	50.5	+55	21	6.5	0.050	A2	+ 7.9	b	3	V	
1052	€	Cas	11415		50.8	+63	25	3.4	.038	B5	- 8.1	a	68	4	*
1053	y	AriB	11502		50.8	+19	03	4.8	.135	AOp	+ 3.7	b	22	4	*
1054	y	AriA	11503		50.8	+19	03	4.8	.129	AOp	- 0.6	b	27	4	*
1055	5	Psc	11559		51.0	+02	56	4.8	.034	gG7	+ 30.3	a	29	L	
1056	fl	Hyi	11733		51.3	-68	11	6.8	.021	A0	+ 15	b	31	Cd	
1057	y/	Phe	11695		51.6	-46	33	4.4	.129	M6	+ 1	c	19	CL	SB *
1058	0	Ari	11636		51.9	+20	34	2.7	.147	A3	- 1.9	a	210	VPm	Orbits *
1059		2310	11613		51.9	+40	27	6.5	.079	K2	+ 31.6	b	4	D	
1060		2312	11624		52.0	+36	53	6.4	.022	KD	- 1.6	b	4	D	
1061	33°	318	11635		52.0	+33	30	8.7	.010	gG7	- 6.6	b	3	W	
1062	oJ	Cas	11529		52.1	+68	26	5.0	.014	B8	- 23.8	a	52	0	Orb. Young
1063	\$	phe	11753		52.3	-42	45	5.0	.052	B9	+ 12.0	b	9	L	
1064	58°	331	11606		52.3	+59	02	7.0	.032	B3ne	+ 12.5	b	7	V	IS -5.2 b
1065		2318	11658		52.5	+51	27	7.2	.100	KD	+ 9	d	1	V	
1066	25°	323	11721		52.7	+25	52	8.1	.033	G5	+ 30.4	b	4	D	
1067	42°	399	11719		52.9	+42	49	7.5	.038	gK4	+ 1.9	b	3	L	
1068		2322	11727		52.9	+37	02	6.1	.004	gMO	+ 6.5	b	3	W	
1069		2323	11763		53.1	+23	20	6.0	.010	gG8	+ 13.6	b	3	W	
1070	X	Cas	.....		53.2	+59	01	8.4v	.....	Ne	- 55	b	3	W	Em -80 *
1071		2324	11749		53.2	+37	00	5.8	.181	gG8	+ 58.5	b	3	W	
1072	26°	326	11781		53.3	+27	14	8.8	.024	GO	- 2.4	b	4	D	
1073		2326	11803		53.3	+01	36	6.2	.246	dGO	+ 30.4	b	11	VW	*
1074		2331	11977		53.7	-67	54	4.7	.105	G5	- 16.2	b	5	L	
1075	HE	1747	11758		53.9	+63	04	.....	.....	Pd	- 62.7	b	3	L	Em PL neb.
1076	X	Eri	11937		54.0	-51	51	3.7	.735	sgG4	- 6.3	a	23	CL	*
1077		2343	11930		54.3	-22	46	5.2	.064	gK4	+ 26.7	a	5	L	
1078	i	Ari	11909		54.6	+17	34	5.2	.039	gG7	- 4.9	a	44	L	Orb. Gordon
1079		2354	11884		54.8	+46	51	6.5	.002	KD	- 7.1	b	5	D	
1080		2357	11928		54.9	+27	34	6.0	.061	gM2	- 2.5	b	7	DW	*
1081	60°	400	11865		55.0	+61	18	7.4	.016	G7	- 11	c	2	V	
1082	X	Ari	11973		55.1	+23	21	4.8	.092	dA6	- 1.4	b	13	3	A 1563A *
1083	A	1563B	.....		55.2	+23	22	7.4	.105	dG1	- 8.0	b	3	W	*
1084		2368	11901		55.2	+30	54	7.2	.048	gM5	- 45.3	b	5	LW	
1085		2369	12055		55.2	-47	38	4.7	.094	G4	+ 11.9	a	5	L	
1080	32°	356	.....		55.2	+32	43	8.8	.....	dF9	- 28.9	b	3	W	*
1087		2372	11949		55.4	+48	58	5.8	.040	gG7	- 0.4	b	8	VW	
1088	25*	333	.....		55.6	+25	33	8.7	.025	GO	- 0.7	b	4	D	
1089	55°	458	236917		55.6	+55	54	9.8	.019	B4ne	- 27	d	2	Md	IS -45 d
10W	28°	333	12020		55.8	+29	08	8.3	.018	K2	+ 39.2	b	5	D	
1091		2379	11946		55.0	+64	23	5.2	.037	AO	+ 5	c	17	3	*
1092	33*	330	12050		56.1	+34	05	7.6	.030	gG6	- 41.0	b	3	W	
1003		2S82	12051		56.2	+32	58	7.1	.433	dG7	- 36.9	b	3	W	
1094	U	Per	12025		56.2	+54	35	7.5f	.020	gMSe	+ 17	c	2	W	Em +8 c 4 *
1095	5 ^{ft}	260	12102		56.3	+0S	26	8.3	.049	sgF3	+ 1.9	b	4	L	
1006		2305	12140		56.7	+12	03	6.1	.034	A2	- 12	c	5	V	
1007		2308	12139		56.8	+20	49	6.1	.139	W	- 2.3	b	4	S	
1098		2403	12204		57.1	-14	07	7.1	.027	gM3	+ 29	c	3	W	
1091	a	Hyi	12311		57.2	-61	49	3.0	.265	A7n	+ 7	c	15	L	
1100		2411	12255		57.4	-21	04	5.7	.025	gill	- 15.0	b	5	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	r			km/sec					
1101	2412	12013	1	57.5	+75	16	6.6	0.022	A0	- 43	d	3	V	SB (83)
1102	2416	12235		57.5	+02	52	5.08	.337	dG1	- 17.4	b	4	WS	*
1103	2418	12296		57.6	-42	16	5.4	.118	K3	+ 26.6	a	5	L	
1104	v Cet	12274		57.6	-21	19	4.2	.128	gM1	+ 18.0	a	12	LC	*
1105	X Tri	12211		57.7	+27	38	8.8v	.....	A3+G3	- 5	b	42	Md	EA 0.97 *
1106	2424	12111		57.8	+70	40	4.6	.066	A4	- 5	c	15	3	*
1107	2425	12005		57.8	+77	41	6.4	.004	G2	- 2.6	b	4	D	
1108	2426	12292		58.0	-08	46	5.7	.093	gM5	+ 6.3	b	3	W	
1109	2429	12246		58.1	+35	04	8.1	.115	dF3	+ 24	c	2	L	
1110	2438	12173		58.7	+73	37	6.2	.025	A3	- 5.2	b	3	V	
1111	2442	12303		59.0	+54	15	5.0	.037	B8	- 2	c	25	OY	*
1112	π For	12438		59.0	-30	14	5.4	.152	G1	+ 23.7	a	8	LC	*
1113	58° 356	12302		59.1	+59	26	8.2	.003	B3e	+ 2	c	10	DW	*
1114	2445	12216		59.1	+72	11	4.1	.049	A In	- 14.3	b	16	4	#
1115	2446	12279		59.1	+64	40	5.9	.009	A2	- 25	c	6	VW	SB (61) *
1116	A 1613AB	12376		59.2	+36	29	8.0	.173	dG5	+ 16.3	b	3	W	
1117	2450	12402		59.3	+28	10	6.7	.051	K0	+ 16.2	b	5	D	
1118	2451	12301		59.3	+64	09	5.6	.006	cB8	- 20.0	b	16	WV	IS -10.7 b *
1119	a Psc	12447		59.5	+02	31	4.3	.033	A2n	+ 8.5	b	19	3	A 1615A *
1120	A 1615B	12446		59.5	+02	31	5.2	....	A3n	+ 8.8	b	12	3	*
1121	12° 373	12460		59.5	-12	04	8.1	.042	dF6	+ 8	c	2	L	
1122	CC 140	.....		59.5	+03	42	9.5	.49	dK6	- 48	c	2	W	
1123	X Phe	12524		59.7	-44	57	5.0	.056	M0	- 30.6	a	9	LC	*
1124	2456	12479		59.9	+13	14	6.3	.017	gM2	- 7.3	b	6	DW	*
1125	€ Tri	12471	2	00.0	+33	03	5.4	.020	A2n	+ 3.3	b	11	4	*
1126	2459	12230		00.0	+77	03	5.4	.136	A2n	- 26	c	8	3	*
1127	53° 440	12433		00.1	+54	27	7.7	.046	dF5	- 13.5	b	3	W	
1128	70° 157	12350		00.2	+70	57	7.6	.....	dF0	- 9	c	3	W	
1129	2463	12563		00.2	-29	54	6.4	.049	A3	+ 11.5	b	4	L	
1130	2471	12583		00.6	-15	33	5.9	.021	gG5	+ 5.9	b	3	W	
1131	2475	12339		00.7	+75	53	5.3	.023	gG5	0.0	a	6	L	
1132	2476	12558		00.8	+25	42	5.7	.134	dF4	+ 15.8	b	7	SW	*
1133	y AndA	12533		00.8	+42	05	2.3	.068	gK3	- 11.7	a	45	8	*
1134	y AndB	12534		00.8	+42	06	5.1	.065	A0	- 14	c	8	LV	*
1135	2480	12468		00.9	+64	52	6.5	.059	A0	- 4	c	7	V	
1136	2483	12594		01.0	+18	01	6.4	.020	gK4	+ 9.9	b	3	W	
1137	2485	12642		01.2	-04	21	5.9	.061	cK5	+ 24.5	b	3	W	
1138	2488	12641		01.2	-00	35	6.0	.088	gG5	+ 23.9	b	3	W	
1139	2489	12509		01.3	+64	09	8.0	.006	B3	- 17.2	b	4	W	
1140	2493	12441		01.4	+74	21	7.5	.012	A0	- 11	d	5	V	
1141	2495	12638		01.5	+25	41	7.2	.028	G5	- 18.9	b	4	D	
1142	62° 344	12568		01.7	+62	35	8.0	.....	cG1	+ 12	c	2	L	
1143	38° 402	12637		01.7	+39	12	8.1	.002	gF3	+ 10	c	2	L	
1144	S Ari	12701		01.9	+12	17	9.1v	.091	gM4e	- 27	b	3	W	Em -36.9 *
1144 X Ari	CC 142	.....		02.1	+22	34	9.1	.48	dK1	- 8	c	2	W	
1146	v For	12767		02.2	-29	32	4.7	.010	A0p	+ 18.5	b	9	L	
1147	18° 359	.....		02.5	-17	52	10.8	i.so	dMO	- 35	e	1	Md	
1148	56° 424	12708		0X7	+57	04	8.0	0.005	B3	- 19.8	h	8	W	
1149	-0* 315	12783		02.8	+00	04	8.0	.088	ciG5	+ 22.2	h	8	L	
1150	2517	12467		03.1	+81	04	6.0	.034	AD	- 13	c	3	¥	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	o	'	rt		km/sec					
1151	CC 144	12873	2	03.3	-24	37	9.5	0.414	dK1	+ 45	c	2	W	
1152	CC 145	12889		03.3	-24	37	9.2	.407	dKD	+ 24	c	2	W	
1153	56° 429	12856		03.4	+56	52	8.4	.025	B2ne	.....	.	3	W	IS -23.5 b
1154	2524	12872		03.6	+08	01	6.7	.033	gM2	- 26.4	b	6	DW	*
1155	K Ari	12869		03.8	+22	25	5.1	.038	A0	+ 11.5	a	28	L	Orb. Jones
1156	CC 146	.....		03.8	+44	57	9.9	.49	dMO	+ 62	c	2	W	
1157	44° 422	.....		03.9	+44	57	9.5	.....	dGO	- 10	c	3	W	
1158	2534	12885		04.0	+25	28	6.0	".018	B8	- 9	c	6	V	
1159	VX Per	.....		04.3	+58	12	10.lv	.048	cGOv	- 32.5	b	7	W	Cep 10.9
1160	oc Ari	12929		04.3	+23	14	2.2	.241	gK1	- 14.3	a	149	W	*
1161	2544	12800		04.8	+71	19	6.7	.388	dF8	- 0.5	b	9	VW	*
1162	2548	13043		05.0	-00	51	6.9	.420	dG1	- 40.2	b	3	W	
1163	2549	12953		05.2	+58	11	5.9	.012	cA2e	- 36.3	a	19	VW	IS -24.7 b •
1164	28° 364	13017		05.2	+29	19	8.2	.036	K0	+ 3.5	b	5	D	
1165	2551	13013		05.4	+44	13	6.5	.052	G5	+ 24.4	b	4	D	
1166	55° 519	12981		05.4	+55	50	9.5	.....	B3	- 32	c	2	W	IS -16 c
1167	2552	13041		05.5	+37	37	4.8	.163	A2	+ 7.6	b	14	3	*
1168	57° 498	12993		05.6	+57	41	8.6	.026	B3	- 78	d	2	W	IS -19 c
1169	SS For	.....		05.6	-27	06	8.5v	.....	.....	-115	d	1	W	HR 0.50
1170	56° 432	13051		06.0	+56	45	8.0	.036	BOne	.....	.	2	W	IS -24 c
1171	0 Tri	13161		06.6	+34	45	3.1	.156	dA6	+ 9.9	a	41	Y	6rb. *
1172	2573	13174		06.6	+25	42	5.1	.082	sgA5n	+ 1	c	13	LW	*
1173	2574	13228		06.6	-02	34	7.1	.108	dF5	- 11.4	b	3	W	
1174	2575	13201		06.6	+16	59	6.4	.229	F3	+ 11.0	b	4	D	
1175	2580	13137		06.8	+53	36	6.4	.056	gG8	+ 10.0	b	5	W	
1176	55° 530	13149		07.0	+56	03	7.5	.056	K2	+ 10	d	1	V	
1177	2595	.....		07.5	+29	34	9.2	.414	GO	+ 24.2	b	4	D	
1178	RV And	.....		07.8	+48	43	8.3v	.04	gM5	- 10.0	b	4	W	SB 167
1179	2600	13294		07.8	+38	48	6.0	.022	AOn	+ 1	c	6	VW	A 1683A *
1180	2601	13325		07.8	+19	16	5.9	.089	gM3	+ 61	c	3	W	
1181	2602	13295		07.9	+38	48	6.7	.026	AOn	+ 15	c	5	VW	A 1683B *
1182	2604	13267		08.0	+57	25	6.4	.015	cB8	- 33.8	b	12	VW	IS -25 c *
1183	A 1689B	.....		08.1	+13	27	8.9	.115	dG8	+ 22.6	b	5	W	
1184	A 1689A	13357		08.2	+13	27	8.4	.158	dG4	+ 24.2	b	3	W	
1185	22° 312	13364		08.3	+22	59	8.2	.075	sgF5	- 13	c	2	L	
1186	56° 441	13292		08.3	+57	02	9.5	.011	K5	- 40	d	1	W	
1187	2609	13363		08.3	+25	42	6.2	.010	gK4	- 18.8	b	3	W	
1188	2610	134451		08.4	-51	04	6.3	2.207	dG5	+ 49.5	b	4	L	
1189	2613	13372		08.5	+31	18	6.2	0.039	A0	+ 11	c	19	VS	SB 2-sp *
1190	58° 444	.....		08.6	+56	41	9.2	.003	B3	- 18.4	b	3	W	
1191	2618	13222		08.7	+73	48	6.2	.062	gG6	- 37.0	b	3	W	
1192	2618	13421		08.7	+08	m	5.7	.178	dF8	- 17.7	b	9	W	*
1193	56° 443	13331		08.7	+57	05	9.0	.011	B6	- 10	d	3	W	
1194	2623	13456		08.9	-10	17	6.1	.170	dF2	+ 11.4	b	3	W	
1195	50° 445	13370		09.0	+57	04	9.4	.014	B8	- 32	c	4	W	IS -22 d 1
1190	2624	13458		09.1	-02	84	6.0	.030	gG9	+ 31.6	b	3	W	
1197	58° 3>6	13402		09.3	+59	18	8.2	.006	M1	- 40	d	2	W	IS -13 c
1108	2631	13408		09.4	+56	SS	7.0	.347	dG1	- 33.8	b	3	W	
1199	A 1897A	13480		09.5	+30	84	6.2	.088	gG4	- 18.1	a	SO	Y	Orb. Harper
1200	A 1697B	.....		09.5	+30	04	7-2	.....	dP4	- 18.8	a;	31	Y	Orb. Harper

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	DecL									
			h	m	°	'	''	km/sec					
1201	UX Per	.....	2	09.6	+57	51	11.3v	.....	- 41.5	b	7	W	Cep 4.57
1202	2638	13522		09.8	+23	56	6.2	0.040	- 0.8	b	4	D	
1203	2639	13452		09.8	+53	59	8.1	.012	+ 9	c	4	W	
1204	CC 153	.....		09.9	+03	23	10.3	2.58	+ 7	b	5	W	*
1205	7} Ari	13555		10.0	+20	59	5.4	0.160	+ 6.0	a	7	LW	
1206	58° 400	236954		10.0	+58	56	9.7	.034	- 49	c	3	Md	IS -29 c
1207	2645	13520		10.1	+44	00	5.1	.025	- 46.3	a	29	3	*
1208	2648	13476		10.1	+58	20	6.5	.026	- 40.5	b	6	VW	IS -22 c *
1209	29° 374	13565		10.2	+30	20	7.8	.013	+ 16.9	b	6	DL	*
1210	A 1703A	13612		10.2	-02	38	5.7	.375	- 3.2	b	5	W	
1211	A 1703B	.....		10.2	-02	38	7.8	.....	- 4.4	b	3	W	
1212	2653	13530		10.3	+50	50	5.4	.384	+ 27.3	a	45	3	Orb. Christie*
1213	2654	13449		10.3	+66	30	7.7	.127	- 28.0	b	3	W	
1214	2655	13596		10.3	+15	03	6.0	.100	+ 23	c	10	DW	SB *
1215	2656	13611		10.3	+08	37	4.5	.024	- 4.2	a	39	LB	*
1216	2661	13474		10.5	+66	17	6.2	.006	- 12.1	b	3	W	
1217	57° 521	13543		10.6	+57	39	8.9	.078	- 20.9	b	3	W	
1218	C 287	13610		10.6	+25	09	8.6	.156	- 48.5	b	4	D	
1219	2662	13692		10.7	-21	14	6.0	.063	+ 38.4	b	3	W	
1220	fI For	13709		10.7	-30	57	5.2	.020	+ 17	c	6	L	
1221	55° 547	13561		10.7	+56	16	9.0	.023	- 44	c	3	W	
1222	2668	13594		10.8	+47	15	6.0	.087	- 8.1	b	9	VW	*
1223	2669	13683		10.9	+04	47	6.6	.074	+ 1	d	3	S	SB (37)
1224	25° 368	13691		11.3	+26	24	7.3	.039	- 8.5	b	4	D	
1225	56° 458	13634		11.4	+57	27	9.2	.008	- 41	d	1	W	
1226	53° 486	13661		11.5	+54	18	8.6	.004	- 50	d	6	D	IS -12.1 b
1227	2686	13579		11.6	+67	27	7.8	.617	- 13.7	b	3	W	
1228	2688	13678		11.7	+54	51	7.2	.026	- 8	d	1	V	
1229	2689	13747		11.7	+28	28	6.6	.191	+ 15	c	4	D	SB (12)
1230	54° 500	13717		12.0	+55	22	8.0	.013	- 44	d	5	W	SB (51)
1231	2694	.....		12.1	-01	26	8.6	.996	+ 19.2	b	6	W	
1232	57° 525	13716		12.1	+57	32	8.5	.026	- 50	c	6	W	IS -17 d 1
1233	2695	13738		12.1	+52	17	7.3	.011	- 66	d	1	V	
1234	2696	13686		12.1	+63	00	7.2	.030	+ 3	d	1	V	
1235	55° 554	13745		12.3	+55	46	8.0	.022	- 29.5	b	6	W	IS -17 c 2
1236	V Ari	13826		12.3	412	00	8.3v	.041	-176	b	S	W	Irr
1237	RV Ari	.....		12.4	+17	51	11.8v	.....	+ 35	e	1	W	RR 0.085
1238	57° 526	13744		12.4	458	04	7.8	.006	- 52	c	5	W	IS -25 d 1
1239	2699	13825		12.5	424	03	6.9	.482	- 1.8	b	5	W	
1240	56° 466	13784		12.7	457	23	9.5	.015	- 44	d	2	W	
1241	2704	13818		12.7	447	35	6.4	.091	+ 15.7	b	4	B	
1242	2706	13872		12.9	424	49	5.6	.123	- 44.3	b	3	W	
1243	45° 578	13834		12.9	446	27	8.2	.041	- 9	c	2	L	
1244	2707	13871		12.9	+25	S3	5.8	.185	+ 26.0	b	9	VW	*
1245	2710	13869		1X0	+33	08	5.3	.041	- 1.3	b	13	4	*
1246	2711	13783		13.0	+64	44	8.4	.492	- 31.0	b	4	W	
1247	56° 469	13831		13.1	456	30	8.6	.004	- 43	c	4	W	IS -20 c 2
1248	2715	14141		13.2	-68	04	5.4	.053	+ 26.3	b	4	L	
1249	2717	13841		13.3	+56	48	7.2	.002	- 39.0	b	11	VW	IS -27.1 b *
1250	R Ari	13913		13.3	424	50	7.2v	.038	+114	c	2	W	Em +1\$2 *

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
1251	49° 614	13867	2	13.3	+49	36	7.5	....	B8e	+ 0.3	b	3	W	IS -7.5 b
1252	RW Ari	.....		13.3	+17	18	<u>12.1v</u>	....	.....	- 60	e	1	W	RR 0.26
1253		13854		13.3	+56	49	<u>6.4</u>	0.002	cB1e	- 40.2	b	13	WV	IS -25.2 b *
1254		14001		13.4	-18	28		.192	dK4	+ 5.3	b	3	W	
1255	62° 374	13830		13.4	+62	57		....	sgF6	- 22	c	2	L	
1256		13866		13.5	+56	29		.045	cB2	- 47.0	b	5	W	IS -22 c 2
1257		14044		13.8	-10	03		.263	dG2	+ 32	c	5	W	
1258	56° 480	13910		13.9	+57	08		.021	AOn	0	c	3	W	
1259	6 Tri	13974		14.0	+34	00		1.181	dGO	- 6.4	a	30	L	Orb. Pearce
1260		13929		14.0	+57	47		0.022	gFO	- 8	d	1	W	
1261	55° 564	13970		14.2	+56	25		.013	B3	- 23	c	6	W	IS -24 d 1
1262	CC 163	.....		14.3	+21	20		.475	dG2	- 30	c	2	W	
1263	56° 485	13969		14.3	+56	52		.019	B2	- 48	e	1	W	IS -20 d 1
1264	y Tri	14055		14.3	+33	37		.066	A0	+ 14	c	11	3	*
1265		14067		14.3	+23	32		.057	G5	- 13.0	b	4	D	
1266	W And	14028		14.4	+44	05	6.5v	....	gM8e	- 29	c	3	W	Em -44.6 b *
1267		14287		14.4	-67	59		..037	K3	+ 17.4	b	3	L	
1268		13982		14.4	+57	40		.062	gK3	+ 2.7	b	4	W	
1269		14129		14.5	-06	39		.139	gG8	+ 6.6	b	3	W	
1270	A 1752B	.....		14.5	+28	31		.100	dGO	+ 3.9	b	3	W	
1271	A 1752A	14082		14.5	+28	31		.099	dF6	+ 6.2	b	6	SW	*
1272		13994		14.5	+57	17		.021	gG6	- 10.8	b	5	W	
1273	41° 435	14064		14.6	+42	22		7.9	dF3	- 44	c	3	W	
1274	• Eri	14228		14.7	-51	45		.087	B8	+ 10.2	b	4	L	
1275	56° 498	14053		14.8	+56	47		.034	B6	- 44	d	4	W	IS -28 d 1
1276		14039		14.9	+56	20		.412	dKO	+ 3.2	b	3	W	
1277		14010		14.9	+64	12		.005	cB8	- 48.4	b	9	WV	IS -30 c *
1278	56° 500	14052		14*9	+56	59		.018	B5	- 41	d	3	W	
1279		14146		15.0	+28	47		.015	gM1	+ 27.1	b	3	W	
1280	6 Ari	14191		15.3	+19	40		.013	AOn	+ 6	c	7	WV	SB *
1281		14214		15.4	+01	31		.532	dF8	+ 26.8	a	42	V	Orb. Harper
1282		14134		15.5	+56	54		.004	cB3e	- 43.7	b	13	WV	IS -31.3 b *
1283	56° 527	.....		15.6	+56	54		.028	B3	- 33.4	b	4	W	
1284		14143		15.7	+56	56		.008	cB1	- 41.7	b	9	WV	IS -23.3 b *
1285	14° 423	14284		15.7	-14	22		.037	gM6	+ 27.6	b	3	W	
1286	56° 535	14162		15.9	+56	55		.014	B	- 37	c	2	W	IS -16 d
1287	49° 628	14188		15.9	+49	55		.052	K6	- 3	d	1	V	
1288		14213		16.0	+46	15		.019	A3	- 14.5	b	3	V	
1289		14212		16.0	+47	09		.059	A1n	- 29.6	b	15	4	*
1290		14252		16.0	+28	25		.012	A3	+ 3.1	b	28	5	*
1291		14221		16.1	+48	43		.117	F2	- 18.7	b	4	D	
1292		14262		16.1	+22	56		.004	sgA7n	- 13	c	8	WV	SB •
1293	56* 539	14185		16.2	+57	23		.012	gK3	- 41	d	1	W	
1204		14220		16.2	+52	20		.002	B5	- 45.8	b	7	V	IS -33.8 b
1295		14171		16.3	+64	06		.029	A0	- 25.8	b	3	V	
1296	i56° 543	14210		16.4	+57	06		.009	AOn	- 39.0	b	3	W	
1297	i 2790	14305		16.4	+19	28		.119	dF8	+ 2.2	b	3	W	
1298	20° 437	14378		16.6	-19	46		.034	gift	- 7	c	2	L	
1280	156" 545	14250		16.7	+56	52		.024	B5n	- 48	c	3	W	
1300	j 2784	14412		16.7	-20	11	<u>6.4</u>	.501	dKO	+ 5.4	b	3	W	

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	o	'		'	km/sec					
1301	<i>o</i> Cet	14386	2	1608	-03	12	2.0v	0.232	gM6e	+ 63.8	a	130	8	Em +49 a *
1302	2° 360	14385		16.9	+02	35	7.8	.011	gG5	+ 11	c	2	L	
1303	AD Per	14270		16.9	+56	46	9.9v	.025	cM3	- 44	c	3	W	Irr
1304	FZ Per	14330		16.9	+56	56	9.9v	.003	cM2	- 44	c	3	W	lrr
1305	2797	14411		16.9	-03	12	9.1	.016	gK5	+ 39.6	b	4	W	
1306	55° 587	14302		17.0	+56	06	8.8	.014	B2	- 43	d	2	W	IS -19 d
1307	2798	14373		17.1	+29	58	6.6	.026	KD	- 1.1	b	4	D	
1308	2800	14322		17.02	+55	41	6.8	.014	cB9	- 35	c	7	W	IS -23 c 4
1309	29° 393	14394		17.2	+29	35	8.5	.033	dF3	- 8.9	b	3	W	
1310	2805	14372		17.4	+47	05	6.1	.008	B7	+ 1.6	b	10	WW	*
1311	56° 555	14357		17.6	+56	38	8.9	.028	B3	- 41.1	b	5	W	IS -24 c 2
1312	2812	14346		17.6	+59	01	7.6	.010	K0	+ 11	d	1	V	
1313	2813	14392		17.6	+49	55	5.6	.042	AOp	- 2	c	13	3	*
1314	57° 550	14404		18.1	+57	38	8.6	.012	cM2	- 39	c	3	W	
1315	30° 379	14479		18.1	+30	27	8.2	.016	G5	+ 24.2	b	4	D	
1316	56° 565	14422		18.2	+57	10	9.4	.007	Bne	.....	.	2	W	IS -17 c
1317	2821	14641		18.3	-56	10	5.6	.031	K5	+ 49.1	b	3	L	
1318	56° 567	14434		18.3	+56	41	8.5	.009	B2n	- 20	c	3	W	IS -22 ci 1
1319	2822	14433		18.4	+57	01	6.5	.008	cA2	- 46.7	b	13	WV	IS -26 c *
1320	56° 570	14443		18.4	+56	55	8.6	.018	cB2	- 39.5	b	4	W	IS -11 a
1321	2826	.....		18.5	+70	57	8.6	.591	dK4	- 25.7	b	3	W	
1322	SU Per	14469		18.6	+56	23	7.0v	.003	cM4	- 39.7	b	6	W	SR 477
1323	2830	14402		18.7	+68	32	7.4	.091	gK1	+ 11.5	b	4	W	
1324	2836	14489		18.8	+55	37	5.2	.003	cA2	- 15.2	a	18	4	IS -17 c *
1325	RS Per	14488		18.8	+56	53	9.9v	.030	cM4	- 38	b	3	W	Irr?
1326	47° 612	.....		18.9	+47	38	9.4	.23	dM2	- 35	d	2	W	
1327	57° 551	14501		19.0	+5.7	56	9.5	.....	B3	- 52	e	1	W	IS -8 d 2
1328	14° 383	14597		19.0	+15	17	7.9	.019	AOOn	+ 36	d	5	W	SB (49)
1329	-0° 354	14625		19.1	-00	23	7.6	.032	gG8	+ 5	c	2	L	
1330	15° 331	14610		19.3	+15	46	8a	.121	dF1	- 21	c	4	W	SB
1331	2844	14595		19.3	+22	39	6.6	.014	gG4	+ 22.7	b	3	W	
1332	56° 591	14535		19.3	+57	01	7.5	.023	cA2	- 53	c	4	W	IS -18 a 1
1333	55° 600	14543		19.3	+56	24	8A	.012	gG9	- 39	c	4	W	
1334	2846	14652		19.4	+00	10	5.9	.013	gM2	+ 22.8	b	3	W	
1335	2847	14692		19.4	-14	31	7.4	.035	dA8n	+ 6.0	b	4	W	
1336	2848	14542		19.4	+57	10	7.0	.002	B9	- 47.4	b	7	W	IS -21 c 4
1337	2849	14691		19.6	-11	00	5.6	.159	sgA8n	+ 12	c	4	W	
1338	56° 595	.....		19.6	+56	59	8.6	.015	cM1	- 47	c	2	W	
1339	2850	14690		19.7	-01	07	5.6	.055	A5	+ 20	d	12	VL	SB *
1340	2851	14622		19.7	+41	10	5.9	.135	dF2	- 34.5	b	4	W	
1341	2854	14633		19.8	+41	15	7.7	.002	OB	- 36	c	17	WW	IS -12.2 b *
1342	2855	14688		19.8	+16	39	6.8	.052	A1	+ 14.9	a	27	D	Orb. Heard
1343	56° 598	14581		19.8	+56	38	8*6	.026	B9	- 5	d	3	W	
1344	55° 605	14605		20.0	+56	22	9.7	.010	B2ne	- 28	d	2	W	IS -21 c
1345	16° 283	14739		20.2	+17	22	7.3	.023	A2	- 8.7	b	6	D	
1346	K For	14802		20.3	-24	03	5.4	.208	dG1	+ 18.4	b	4	L	
1347	57° 554	14646		20.3	+57	38	8.8	.020	B9	- 4	d	3	W	
1348	26° 397	14738		20.3	+26	28	8.1	.008	cF6	- 11	c	2	L	
1349	2863	14662		20.4	+55	08	6.5	.023	cF8	- 25.6	b	9	WV	*
1350	58° 461	236960		20.8	+59	01	9.9	.002	B1	- 45	c	3	Md	IS 0 c

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	"	km/sec						
1351	6	Hyi	15008	2 20.9	-68	53	4.3	0.049	A2	+ 11	c	8	L	
1352	57°	558	14707	20.9	+58	07	9.9	.....	B	- 30	c	2	W	IS -18 c 3
1353	33°	422	14783	20.9	+33	38	7.6	.019	gK3	- 2	c	3	W	
1354		2877	14770	21.1	+49	47	5.5	.044	gG5	- 13.3	a	10	LW	*
1355	56°	606	236961	21.2	+57	15	9.4	.024	B1	- 34	d	2	Md	IS +15 e 1
1356	46°	565	14797	21.2	+47	09	7.6	.....	gMO	+ 25.6	b	4	L	
1357		2885	14818	21.7	+56	23	6.2	.011	cB1e	- 46.0	b	7	WV	IS -22 c *
1358	14°	392	14887	21.7	+15	18	7.8	.029	dFO	- 39	c	5	W	SB
1359	56°	609	14826	21.7	+57	13	8.5	.014	gM4	- 42.1	b	3	W	
1360	57°	566	14825	21.8	+57	59	7.8	.042	sgA5	+ 2	c	3	W	
1361	AC49°	2493	.....	21.9	+49	35	11.2	.18	dMO	+ 36	c	2	W	285
1362	£	Ari	14951	22.1	+10	23	5.5	.021	B8	+ 4	c	18	3	IS +4.3 b *
1363	56°	616	14864	22.2	+57	17	8.4	.036	AO _n	+ 9	d	3	W	
1364		2902	14872	22.3	+50	03	4.9	.026	gK5	- 4.5	a	10	LV	*
1365	DM	Per	14871	22.4	+55	53	8.0 _v	.036	B9	- 32	c	49	Md	EA 2.73 *
1366		2916	14899	22.7	+57	00	7.4	.015	cAO	- 42	c	3	W	
1367		2917	14914	22.9	+59	26	7.1	.100	K1	+ 13.5	b	3	V	
1368	58°	467	14947	23.1	+58	39	8.0	.022	O5	- 54	c	10	V	IS -27 c *
1369		2925	14956	23.2	+57	27	7.3	.034	cB1	- 24	c	12	WV	IS -20 c *
1370	18°	305	15084	23.4	+18	41	8.0	.103	dF7	+ 20.3	b	3	L	
1371	R	Cet	15105	23.5	-00	24	7.2 _v	.036	gM4e	+ 42	c	2	W	Em +32 *
1372	X	HOT	15233	23.5	-60	32	5.5	.155	Fin	+ 27	c	5	L	
1373	P	Cet	15130	23.5	-12	31	4.9	.016	B9 _n	+ 10	c	20	4	*
1374	SZ	Cas	.....	23.6	+59	14	10.5 _v	.....	cG1 _v	- 42.5	b	13	W	Cep 13.6
1375	BS	Per	.....	23.6	+51	54	12.0 _v	.....	N	- 45	c	3	W	Irr
1376		2933	15144	23.6	-15	34	5.8	.074	A4	- 8	c	6	W	
1377	YV	Per	.....	23.9	+58	42	11.2 _v	.....	.....	- 39.5	b	9	W	Cep 5.53
1378	30°	396	15128	24.0	+31	04	8.1	.077	dF6	+ 18	c	2	L	
1379	9°	322	15164	24.1	+10	22	8.3	.044	sgF2	+ 34.0	b	3	L	
1380		2940	15152	24.2	+26	47	6.2	.084	K6	- 48.1	b	4	D	
1381		2941	15220	24.3	-20	16	6.0	.129	gK2	+ 42.4	b	3	W	
1382	55°	623	236963	24.4	+56	25	9.4	.069	B2	- 37	c	3	Md	IS -13 c
1383		2943	15176	24.5	+31	35	5.8	.038	gK1	- 39.3	b	10	VW	*
1384		2944	15138	24.5	+50	21	6.3	.098	dF1	- 4	d	4	D	SB (115)
1385	56°	630	15124	24.6	+57	03	8.2	.021	B4 _n	- 10.3	b	3	W	
1386		2946	15228	24.7	+09	59	6.5	.351	dF4	- 40.8	b	4	W	
1387		2949	15227	24.8	+16	25	7.3	.045	F0	+ 14.5	b	4	D	
1388	i	Cas	15089	24.9	+67	11	4.6	.021	cA4	+ 1.2	b	14	4	A 1860A *
1389	A	1860C	.....	24.9	+87	11	8.2	.....	dG4	+ 10.6	b	3	W	
1390	52°	584	15178	25.0	+52	51	7.5	.033	X5	+ 26	d	1	V	
1391	RR	Per	.....	25.1	+51	03	7.9 _v	.224	gM6e	+ 9	c	2	W	Em -5 *
1392	C	319	15285	25.1	+04	12	8.6	.261	dM2	+ 2	c	2	W	
1393	*	Eri	15371	25.2	-47	56	4.4	.018	B5	+ 29.3	b	10	L	
1394		2956	15257	25.2	+29	27	5.4	.086	sgA7 _n	- 24.8	b	13	3	*
1395		2959	15328	25.4	+01	44	6.5	.008	G8	+ 17.7	b	4	D	
1806	\	Cet	15318	25.5	+08	14	4.3	.040	AO	+ 11.2	b	14	3	*
1397		2064	15335	25*9	+29	42	5.9	.103	dGO	+ 40.3	b	9	VW	*
1398		2965	15253	25.9	+55	19	6.9	.035	AO	+ 1.5	b	5	D	
1399	4	For	15427	25.9	-34	02	5.2	.015	A2	+ 16	c	8	L	
1400	BZ	Cet	.....	26.1	-08	38	11 _v	.....	FO	+ 9	e	1	Md	RR 0.51

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes			
			R.A.	Decl.											
			h	m	°	'	km/sec								
1401		15316	2	26.4	+57	36	7.3	0.029	cA2	- 43.8	b	4	W	IS -26 c	
1402		15385		26.4	+23	15	6.1	.084	gA5	+ 21.3	b	7	WV	*	
1403	56°	635		26.4	+57	02	8.5	.019	B1	- 33	d	2	W	IS -19 d 1	
1404		15365		26.5	+45	49	6.8	.095	G8	+ 34.0	b	4	D		
1405		15453		26.9	+09	21	6.3	.021	K0	- 11.2	b	4	D		
1406	R	For	.....	27.0	-26	19	8.Lv	.....	Ne	+ 30	c	3	W	Em +2 *
1407		15464		27.3	+33	37	6.2	".090	K0	+ 7.4	b	4	D		
1408		15555		27.3	-24	20	7.5	.359	dKO	+ 28.9	b	3	W		
1409		3001		27.7	+25	01	5.9	.100	dF4	- 10.8	b	9	WV	*	
1410	56°	642		27.7	+56	41	8.7	.003	BOne	- 20	d	2	W		
1411		3003		27.8	+19	38	6.1	.089	A4n	+ 19	c	9	WS	*	
1412		3006		28.0	-25	25	6.5	.093	dA9n	+ 25.0	b	3	W		
1413		3007		28.0	+46	10	7.0	.049	A6	- 11	c	6	D		
1414	I	1805-5	.....	28.1	+61	23	9.0	.....	B3	.....	*	2	W	IS -10 c
1415		3009		28.1	+17	29	6.4	*.090	dG5	-116	c	3	W		
1416		3013		28.2	+57	19	7.4	.036	K2	+ 11	d	1	V		
1417		3014		28.3	+57	29	7.2	.043	B7	- 39	c	6	WV	IS -14 d *	
1418		3015		28.3	-22	46	6.4	.031	gM1	- 18.6	b	3	W		
1419		3016		28.6	+46	22	7.1	.086	F2	+ 23.2	b	5	D		
1420	56°	648		28.8	+57	13	8.0	.030	B	- 42	c	3	W	IS -17 c	
1421	I	1805-7	.....	28.8	+61	24	9.8	.....	O9	- 47	e	1	W	IS -15 c 2
1422		3028		28.9	+61	31	7.4	.0*52	F0	- 15	d	2	L		
1423	70°	182		28.9	+70	43	8.0	.....	B4ne	- 45	c	11	DW	IS -18 c *
1424	I	1805-2		28.9	+61	14	7.8	.022	O7	- 50	c	9	WL	IS -9.0 b *	
1425		3029		28.9	+02	03	5.4	.022	sgK3	+ 26.4	b	6	LW	*	
1426	I	1805-4		29.0	+61	10	8.8	.....	O5e	- 15	d	3	LW	IS -22 d *
1427		3032		29.0	+35	56	5.4	*.049	gK5	- 35.9	b	6	LW	*	
1428	CC	170	.....	29.1	-17	12	9.4	.414	dF1	+234	c	2	W	
1429	54°	569		29.3	+55	07	8.0	.021	B2	- 28	e	1	W	IS -21 d	
1430		3040		29.3	+84	51	8.6	.094	dG3	- 48	c	4	W	SB (26)	
1431	I	1805-3		29.5	+61	18	8.4	.....	O5	- 31	d	5	LW	IS -17.0 b *
1432		3043		29.6	-01	15	5.5	*.042	gG3	- 5.0	b	3	W		
1433	α	Cet		29.7	-15	28	4.8	.138	dF3	- 29.4	a	6	L		
1434		3048		29.8	+34	19	5.9	.068	gK1	- 2.2	b	7	WS	*	
1435		3049		29.9	+52	05	6.5	.013	A2	- 11.2	b	8	VW	*	
1436	56°	656		29.9	+57	19	7.7	.012	B3	- 35	c	3	W	IS -22.1 b	
1437		3051		30.0	+81	26	8.5	.027	gK5	- 23	c	4	W	SB (22)	
1438		3055		30.2	+14	49	6.1	.047	dF7	+ 6	c	14	3	W	SB *
1439	29°	434		30.2	+29	45	7.8	.028	gG7	+ 11	c	3	W		
1440		3058		30.3	+59	00	7.2	.033	K5	- 23	c	2	V		
1441	57°	589		30.5	+58	11	8.8	.043	B0	- 44	e	1	W	IS -27 d	
1442	UY	Per	.....	30.8	+58	37	LL.Lv	.....	.....	- 59.0	b	6	W	Cep 5.37
1443	CC	172		30.9	+42	34	7.6	.45	dG4	+ 15.7	b	3	W		
1444		3065		31.0	+65	50	7.1	.041	G5	- 14	d	1	V		
1445	U	Cet		31.3	-13	22	6.7v	.007	gM3e	- 27	d	1	W	Em -39.4 b *	
1446	a)	For		31.7	-28	27	5.0	.022	B9	+ 9.7	b	6	L		
1447	56°	660	236971	32.0	+57	16	9.6	.016	B1	- 51	c	3	Md	IS -4 c	
1448	CC	173	.....	32.0	+05	14	9.3	.69	dK3	- 72	c	2	W	
1449		3091		32.2	-08	05	5.8	.088	gK4	+ 24.9	b	3	W		
1450	44°	534		32.3	+44	25	7.4	.018	B9	0	c	6	D		

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
1451		3094	16226											
1452	30°	414	16042	2	32.3	-62	48	6.7	0.025	B9	+ 9	d	5 L	
1453		30^6	16060		32.4	+30	28	8.5	.032	sgG4	- 14.2	b	3 W	
1454		3100	16028		32.4	+07	15	6.2	.104	gG6	- 25.1	b	3 W	
1455	10°	513	16115		32.6	+37	06	5.9	.009	gK4	- 6.3	b	3 W	
					32.7	-09	40	8.3	.015	JR4	+ 16	c	5 WMi *	
1456	<i>fl</i>	Hyi	16522		32.7	-79	20	5.3	.134	G4	- 14.5	a	4 L	
1457		3103	16058		32.7	+34	28	5.6	.058	gM3	- 9.5	b	8 W	
1458		3106	16141		32.8	-03	46	6.8	.453	dG2	- 53	c	3 W	
1459	30°	417	16090		33.0	+30	57	7.9	.094	dGO	- 4	c	6 WL *	
1460		3113	16111		33.1	+29	11	7.1	.025	B9n	+ 4	c	11 D	
1461	68°	176	15948		33.2	+68	51	7.4	...	gG9	- 43.5	b	4 WV *	
1462		3116	15920		33.2	+72	36	5.3	.035	gG6	- 2.3	b	7 LW *	
1463	<i>v</i>	<i>Cet</i>	16161		33.2	+05	23	5.0	.038	gG5	+ 5.0	a	5 L	
1464		3121	16160		33.3	+06	39	5.9	2.322	dK4	+ 23.4	b	7 WV *	
1465		3122	16082		33.4	+51	45	7.3	0.008	dF9	- 15.5	b	3 W	
1466		3123	16108		33.4	+42	11	6.7	.019	B9	- 15.0	b	5 D	
1467		3125	16024		33.5	+65	32	6.1	.050	cK5	+ 41.4	b	7 DW *	
1468		3126	16212		33.5	-08	03	5.7	.066	gMO	+ 14.1	b	3 W	
1469		3130	16187		33.7	+31	23	6.2	.041	K0	+ 2.6	b	8 DS *	
1470		3132	16176		33.8	+38	31	5.9	.242	F5	+ 1.4	b	4 S	
1471		3133	16234		33.9	+12	14	5.7	.292	dF5	+ 6.8	b	4 WS *	
1472		3134	16247		33.9	+07	31	6.0	.058	gKO	- 24.6	b	3 V	
1473	<i>R</i>	<i>Tri</i>	16210		34.0	+34	03	5.4v	.025	gM4e	+ 66.7	b	3 W	
1474		3137	16232		34.1	+24	26	7.4	.145	dF6	+ 17.2	b	4 W	
1475		3139	16220		34.1	+32	40	6.3	.092	dF6	+ 0.2	b	12 3 W Em +59.6 * A 19823 *	
1476		3140	16246		34.1	+24	26	6.6	.138	dF5	+ 14.9	b	12 W	
1477		3143	16219		34.2	+39	41	6.4	.020	BB	+ 8	d	3 S	
1478	29°	444	16245		34.2	+30	12	7.4	.031	AOn	+ 7.4	b	10 DW	
1479	<i>l</i> ^c	455	16314		34.6	+02	12	8.2	.034	gF5	- 2	c	4 L	
1480		3151	16258		34.8	+50	17	7.2	.018	K5	- 65	d	2 V	
1481		3153	16417		34.9	-34	47	5.8	.265	dG1	+ 4	c	2 Md	
1482	<i>VZ</i>	<i>Per</i>	.....		35.1	+55	33	13.3	...	R4	- 16	c	2 W
1483		3158	16400		35.2	-03	37	TMX8	.055	gO5	+ 7.7	b	3 W	
1484		3159	16327		35.2	+37	31	6.3	.058	dF6	+ 8.5	b	3 V	
1485	<i>UY</i>	<i>And</i>	16326		35.3	+38	57	11.Qv	.015	N	- 63	c	2 W	
1486		3161	16350		35.4	+37	52	6.3	.008	AO	+ 2.4	b	3 V	
1487		3162	16399		35.4	+07	29	6.5	.094	F5	+ 13.0	b	4 S	
1488		3163	16446		35.5	-23	13	6.9	.052	gG9	+ 24.3	b	3 W	
1489		3164	16397		35.5	+30	36	7.2	.615	dGO	-100.3	b	4 W	
1490		3165	16396		35.7	+33	12	7.0	.022	gK2	- 3.4	b	3 W	
1491	<i>7j</i>	<i>EOT</i>	10555		35.8	-52	46	5.3	.034	A5	- 3	d	6 L	
1492	<i>v</i>	<i>Art</i>	16432		36.0	+21	45	5.4	.018	A2	+ 8	c	9 3 *	
1493		3168	16467		36.0	+03	14	6.4	.044	GB	+ 2.4	b	4 ID	
<i>14M</i>		3171	16480		36.2	+14	39	7.3	.033	gK3	+ 1.2	b	4 W	
1435	13^+	422	16497		36.4	+14	18	8.2	.010	sgF5	+ 2.7	b	3 L	
14yB	<i>S</i>	<i>Cet</i>	16582		36.9	+00	07	4.0	.012	B2	+ 13.0	a	1502 *	
1437		3194	16448		37.0	+57	06	7.1	.076	K2	- 15	d	1 V	
1498	<i>€</i>	<i>Cet</i>	16820		37.1	-12	05	5.0	.274	dF5	+ 15.2	a	12 LW *	
1439		3203	16619		37.3	-00	04	8.2	.178	dG4	+ 39.9	b	31 W	
1500	<i>U</i>	453	18580		37*3	+2^	35	7*4	.006	AO	+ 14	c	6 JD	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'	"		km/sec						
1501		3204	16545	2	37.4	+43	53	7.2	0.018	AOp	+ 5	c	6	D	
1502	31°	463	16594		37.5	+32	06	7.5	.035	A2n	+ 2	c	7	D	
1503	41°	508	.....		37.6	+42	03	9.2	.320	dKO	+ 24.8	b	3	W	
1504		3210	16647		37.6	+05	54	6.2	.052	dF2	+ 18.2	b	8	WV	*
1505		3215	16628		37.8	+26	51	5.4	.074	A2	+ 17	c	11	3	*
1506		3216	16673		37.8	-09	40	5.9	.172	dF6	- 4	c	4	W	
1507	25°	436	16638		37.8	+26	25	8.1	.035	dF7	+ 1	d	2	L	
1508		3217	16754		37.9	-43	06	4.5	.099	A2	+ 20	c	6	L	
1509		3221	16505		38.0	+67	51	7.8	.012	gK3	- 49.9	b	3	W	
1510	2°	412	16708		38.2	+02	41	7.8	.057	sgG5	+ 65.3	b	3	L	
1511		3225	16694		38.3	+18	35	6.9	.037	B9	+ 20	c	6	S	
1512	W	Tri	16682		38.4	+34	18	8.3 _v	.020	gM5	+ 6	c	3	W	SR?
1513		3231	16784		38.5	-30	21	8.1	.602	dF9	+ 34	c	3	W	
1514	44°	558	16663		38.5	+45	17	8.4	.082	dF6	+ 15	c	3	W	SB (26)
1515		3235	16765		38.7	-00	54	5.7	.250	dF6	+ 7.8	b	3	W	
1516	6	Eri	16815		38.7	-40	04	4.1	.136	G7	- 9.3	a	17	LC	*
1517	€	Hyi	16978		38.8	-68	29	4.3	.093	B9	+ 6	c	5	L	
1518		3245	16739		39.1	+39	59	5.0	.186	dF9	- 22.5	a	40	L	Orb. *
1519	\$	EOT	16920		39.1	-54	46	5.3	.040	F2	- 1.1	b	6	L	SB 2-sp
1520	56°	693	16691		3^2	+56	42	8.4	.034	06	- 41	c	6	V	IS -22 c *
1521		3247	16825		39.2	-14	46	6.0	.055	dF5	+ 2.4	b	3	W	
1522		3249	16824		39.3	-03	26	6.1	.020	gG9	+ 4.2	b	3	W	
1523		3254	16735		39.5	+53	19	6.1	.076	gKO	- 11.5	b	4	W	
1524	M	Ari	16811		39.5	+19	48	5.7	.052	A0	- 7	c	5	V	
1525		3258	16780		39.7	+48	03	6.6	.008	G5	- 5.1	b	4	D	
1526	48°	739	.....		39.7	+48	47	9.7	.405	dK6	- 97	c	4	W	
1527	48°	740	.....		39.7	+48	43	9.0	.011	gK3	- 24	d	5	W	SB (63)
1528		3260	16861		39.8	+10	32	6.3	.031	A2p	+ 6.1	b	5	WV	*
1529	59°	535	16778		40.0	+59	37	7.7	.031	cB9	- 36	c	3	W	
1530		3268	16855		40.3	+43	20	6.7	.090	A2	+ 20	c	6	D	
1531		3270	16458		40.4	+81	14	5.9	.070	gG9	+ 18	c	7	DW	*
1532		3271	16769		40.5	+67	37	5.8	.033	A2	+ 5.2	a	29	V	Orb. Harper
1533	CC	179	.....		40.5	+19	13	8.6	.430	dK4	+ 27	c	2	W	
1534		3273	16908		40.5	+27	30	4.6	.011	B3	+ 19	c	12	3	IS +4.6 b *
1535	7	Cet	16970		40.7	+03	02	3.6	.203	A2n	- 5.1	b	24	4	A 2080A *
1536	A	2080B	.....		40.7	+03	02	6.8	.214	dF3	- 12.5	b	3	W	
1537	e	Per	16895		40.8	+49	01	4.2	.349	dF5	+ 25.0	a	13	3	A S5081A *
1538	A	2081B	.....		40.8	+49	01	10.0	.....	dM2	+ 25	c	4	W	
1539		3278	16901		40.8	+44	05	5.6	*.006-	cGO	- 3.1	b	4	WV	*
1540	l	Hor	17051		40.9	-51	01	5.4	.397	GO	+ 16.6	b	3	L	
1541		3282	16955		40.9	+25	26	6.4	.009	A2	- 11	c	6	V	
1542		3288	16933		41.2	+46	38	7.0	.137	F4	+ 24.7	b	5	D	
1543	57°	629	236995		41.3	+58	21	8.8	.016	cB6	- 52	c	3	Md	IS -28 c
1544	CC	180	.....		41.3	+25	19	10.7	.90	dM4	+ 47	d	3	Wifld	*
1545		3294	17017		41.5	+17	33	6.5	.052	gK2	- 31.9	b	%	FW	*
1546		3298	17007		41.6	+29	15	7.1	.067	F0	- 7.5	b	0	D	
1547	TW	Cas	.....		41.7	+65	31	8.3 _v	.....	B9+A0	- 23	b	48	Me!	EA 2.88 *
1548	ir	Cet	17081		41.7	-14	04	4.4	*.013	B5	+ 15.4	b	10	LY	*
1549	0	Ari	17036		41.8	+15	06	5.8	.018	B8	- 7	c	3	Y	
1550	44°	573	17115		42.0	+45	15	8.1	.017	B9	- 0.1	b	4	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
1551	22° 390	17055	2	42.1	+23	11	8.1	0.043	gF6	+ 13	c	3	L	
1552	3308	17093		42.2	+12	14	5.2	.146	sgA7	- 1.5	b	14	3	*
1553	<i>fi</i> Cet	17094		42.2	+09	54	4.4	.286	dF4	+ 28.8	b	21	4	*
1554	3310	17168		42.2	-32	44	6.1	.030	A0	+ 21	d	6	L	SB (67)
1555	RY Per	17034		42.3	+47	56	8.4v	....	B6+F6	+ 4	c	55	Md	IS -9.4 a *
1556	3313	17326		42.6	-66	55	6.3	.126	F6	- 20.4	b	4	L	
1557	3315	17163		42.7	+04	30	6.0	.078	gFOn	+ 20.2	b	10	3	SB *
1558	3318	17206		42.8	-18	47	4.6	.334	dF5	+ 25.6	a	13	LW	*
1559	57° 632	17088		43.1	+57	32	7.5	.026	B5	- 42.3	b	5	DW	IS -16 d *
1560	3324	17086		43.3	+60	22	6.7	.033	A5	- 14.1	b	5	D	
1561	3325	17190		43.3	+25	27	8.1	.276	dG8	+ 12	c	7	DW	*
1562	3335	17228		43.9	+35	46	6.4	.051	G5	+ 20.7	b	4	D	
1563	3337	17240		44.0	+35	21	6.3	.062	F2	- 3.5	b	4	S	
1564	42° 628	17238		44.1	+43	12	7.6	.026	gG9	- 27	c	2	L	
1565	3341	17245		44.2	+44	04	6.7	.002	dF2	- 13.7	b	3	W	
1566	RZ Cas	17138		44.4	+69	26	6.4v	.037	A2	- 39.4	b	87	AMI	EA 1.20 *
1567	3346	17504		44.4	-63	55	5.7	.021	G8	- 11	d	2	L	SB
1568	3352	17332		44.6	+19	10	7.4	.194	dF9	+ 4.5	b	4	W	
1569	29° 471	17330		44.8	+29	28	7.2	.034	B6	- 2.5	b	8	DS	*
1570	<i>t</i> Hyi	17566		44.8	-67	50	4.U	.078	A2	+ 3.6	b	5	L	
1571	TX Per	.....		44.9	+36	46	11.1v	....	cK4v	0	c	10	W	SR 76.3 *
1572	3356	17361		44.9	+29	02	4.6	.193	gK1	- 14.9	b	9	3	*
1573	43° 579	17316		45.0	+43	26	7.4	.018	A2	- 29	c	4	D	
1574	3359	17382		45.2	+26	52	8.2	.296	dKQ	+ 5.7	b	4	W	
1575	T Art	17446		45.5	+17	18	7.4v	.026	gM6e	+ 7.1	b	15	W	Em +0.6 *
1576	Z Eri	17491		45.5	-12	40	6.4v	.029	gM5	- 14	c	3	W	SR?
1577	3369	17459		45.7	+18	05	6.0	.058	gK1	+ 47.1	b	9	W	*
1578	3370	17378		45.8	+56	53	6.5	.010	cA8	- 37.8	b	8	DW	*
1579	3373	17471		45.9	+24	59	5.9	.061	A0	+ 13.8	b	7	V	
1580	3375	17484		46.3	+37	07	6.4	.018	dF3	+ 12	c	5	V	SB
1581	<i>it</i> Ari	17543		46.5	+17	15	5.3	.014	BS	+ 8.8	a	50	O	IS +17 c *
1582	59° 549	237007		46.7	+60	12	b.4	.037	B2	- 96	e	1	Md	IS -1 e
1583	(5 For	17652		47.0	-32	37	4.5	.187	G6	+ 16.8	a	12	LC	*
1584	71 Per	17506		47.0	+55	41	3.9	.024	cK4	- 1.0	a	13	4	*
1585	3391	17573		47.0	+27	03	3.7	.131	B8	+ 4	c	ly	3	*
1588	33y8	17505		47.3	+60	13	7.1	.033	07	- 17	c	0	V	IS -18.6 b
1587	3401	17584		47.4	+38	07	4.3	.218	sgA6n	+ 14.0	b	4	L	
1588	SU Cas	17463		47.5	+08	41	e.2v	.oil	cF5¥	- 6.5	b	10	WV	Cep 1.95 *
1589	59" 555	237011		47.7	+80	21	10.4	.028	B2	- 43	d	2	Md	IS -9 c
15*10	10" 374	17663		47.7	+10	25	9.3	.155	eIG6	+ 54.4	b	3	W	
1591	r For	17729		47.7	-28	09	5.4	.056	AO	+ 24	c	9	L	
1592	3407	17660		47.8	+15	31	9.2	.523	dK6	- 25	c	5	W	
1593	v Hor	17848		47.9	-63	01	5.4	.095	AO	+ 30.9	b	7	L	
1594	3413	17581		48.0	+58	07	6.3	.067	A1	- 4.8	a	18	V	Orb. Harper
1595	29" 484	17674		48.0	+30	05	7.6	.122	G5	+ 5.3	b	4	D	
1596	29* 485	17673		48.1	+30	18	8.0	.022	KG	- 22	c	4	D	
1597	3415	27822		48.2	+52	50	7.0	.041	K2	+ 50	c	2	V	
1598	3416	17647		48.3	+45	47	9.2	.583	dG3	+ 16.5	b	3	W	=
1599	3417	17591		48.3	+63	12	6.9	.204	F8	- 11.2	b	5	D	
1600	3418	17050		48.3	446	38	6.0	.038	gG5	- 12.4	b=	7	DW	*

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		DecL									
			h	m	°	'			km/sec					
1601	3419	17709	2	48.4	+34	51	4.7	0.066	gMO	+ 14.3	a	8	LV	*
1602	3426	17829		48.7	-35	53	5.5	.058	K5	+ 11.7	a	6	L	
1603	<r	Ari	17769	48.7	+14	53	5.5	.041	B6n	+ 17.0	b	11	3	*
1604	3429	17824		48.8	-21	13	4.8	.051	gKO	- 8.6	a	6	L	
1605	CC	187	.....	48.8	+34	12	9.6	1.37	dMO	- 45.7	b	5	WMd	*
1606	59°	558	237015	48.8	+60	11	9.0	0.039	B4	- 15	d	2	Md	IS +5 d
1607	59°	559	17688	49.0	+60	16	7.4	.028	A6	+ 2.3	b	4	D	
1608		3439	17743	49.3	+52	48	6.4	.011	B9	+ 1.3	b	3	W	
1609	59°	562	237019	49.6	+60	16	9.0	.016	O7	- 67	d	2	Md	IS -22 d
1610		3446	17818	49.9	+48	22	6.5	.030	K2	- 0.9	b	4	D	
1611		3449	17925	50.1	-12	58	6.1	.430	dKO	+ 18.8	b	7	MdW	*
1612		3456	17918	50.4	+16	17	6.4	.086	F2n	+ 9	c	4	S	
1613		3459	17904	50.5	+38	08	5.3	.090	sgA6	+ 5.8	b	8	LW	*
1614		3461	17891	50.6	+46	57	6.7	.024	39	+ 5.6	b	4	D	
1615	r	Per	17878	50.7	+52	34	4.1	.004	gG1	+ 2.2	a	75	VL	*
1616	v	Hyi	18293	50.8	-75	16	4.7	.037	K6	+ 4.7	a	6	L	
1617		3467	17922	51.0	+42	23	7.0	.222	F8	+ 25.5	b	5	D	
1618		3476	17785	51.2	+72	41	7.7	.072	dG1	- 2.5	b	3	W	
1619		3487	17948	52.0	+61	19	5.6	.152	dF4	+ 29.2	b	8	VW	*
1620		3494	18041	52.2	+47	06	7.4	.006	G9	- 11	d	1	V	
1621		3495	18040	52.2	+48	08	7.2	.006	A2	- 8	c	6	D	
1622	R	Hor	18242	52.2	-50	06	6.3 _v	.110	gM7e	+ 60	c	9	L	Em +47 *
1623		3496	18145	52.2	-00	15	6.7	.035	gG6	+ 5.9	b	3	W	
1624		3497	17958	52.3	+64	08	6.6	.009	K3	- 21.8	b	4	D	
1625		3509	18142	52.7	+30	50	7.2	.019	gM3	- 23.6	b	4	WL	*
1626	-0°	451	18175	52.7	+00	14	7.2	.067	gK1	- 33.5	b	4	W	
1627	A	2218A	18143	52.7	+26	40	7.7	.324	dK2	+ 32.7	b	3	W	
1628	A	2218B	.....	52.7	+26	40	9.3	.....	dMO	+ 26	c	3	W	
1629	RZ	Ari	18191	53.0	+18	08	7.3 _v	.017	gM6	+ 46.0	b	3	W	Irr?
1630	25°	465	18189	53.1	+25	53	8.3	.037	G5	- 22.1	b	4	D	
1631		3520	18155	53.2	+46	58	6.1	.004	gK3	- 12.8	b	6	DV	*
1632		3522	18202	53.3	+28	58	6.5	.032	K0	+ 29.0	b	4	D	
1633		3525	18153	53.3	+51	04	6.5	.039	K5	+ 4.6	b	4	D	
1634		3531	18262	53.6	+08	11	6.1	.107	dF7	+ 29.0	b	11	VW	*
1635	p	Ari	18256	53.6	+17	49	5.6	.347	dF5	+ 14.6	b	6	W	
1636	51°	657	18200	53.8	+52	18	8.0	.021	gG6	- 41.0	b	3	W	
1637	CC	194	232733	53.8	+52	17	9.2	.434	dK2	+ 32.3	b	3	W	
1638	77	Eri	18322	54.0	-09	06	4.0	.227	gK2	- 20.3	a	11	LC	*
1639		3541	18331	54.1	-03	55	5.3	.050	A3n	- 15	c	19	4	*
1640		3544	18296	54.2	+31	44	5.2	.032	AOp	+ 7.7	b	22	3	*
1641		3547	18345	54.5	+04	18	6.3	.026	M2	+ 52.0	b	4	D	
1642		3549	18369	54.6	+00	15	6.7	.033	dA5n	- 4	c	4	W	
1643		3550	18384	54.6	-00	47	7.1	.022	gG5	+ 10.3	b	3	W	
1644	29°	502	18328	54.6	+29	31	8.9	.049	dGO	- 6	c	3	W	SB (22)
1645	CC	196	.....	54.7	+10	36	12	1.91	dM4	+ 49	c	2	W	
1646		3554	.....	54.8	+29	28	9.2	0.206	dG9	+ 22.7	b	5	W	
1647		3556	18339	54.9	+38	25	6.1	.016	gK3	- 41.4	b	7	DW	*
1648		3561	18454	55.2	-24	04	5.4	.102	A5	+ 28.8	b	6	L	
1649		3562	18404	55.2	+20	28	5.8	.235	dF4	+ 28.5	b	10	VW	*
1650	59°	578	183261	55.4	+60	22	7.9	.021	BO _n	- 40	d	4	W	IS -16.9 b *

Cat. No.	Star	BLD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			E.A.		Decl.										
			h	m	°	'	//		km/sec						
1651	π Per	18411	2	55.6	+39	28	4.6	0.050	A2	+ 14.2	b	27	3	*	
1652		3572		55.8	+61	05	7.0	.023	B2	- 1.5	b	4	V	IS -9 c	
1653		3574		55.9	-23	48	6.0	.081	gK2	+ 7.4	b	4	W	*	
1654		3575		56.0	+34	59	5.0	.048	gK2	- 36.0	a	10	3	*	
1655		3578		56.0	+57	28	7.5	.014	KOp	- 33	d	1	V		
1656	K 9-274	.....		56.0	+59	18	11.0	.....	B4n	- 44	d	2	Md	IS +4 c
1657		3580		56.2	-02	59	5.2	.060	A2	- 6.8	b	13	4	*	
1658	54°	629		56.3	+55	00	7.1	.102	A3	- 4	c	6	S		
1659	€ Ari	18520		56.3	+21	08	5.9	.016	A4	- 7.9	b	17	4	A 2257A *	
1660	A 2257B	18519		56.3	+21	08	6.2	.016	A4	- 6.0	b	8	WV	*	
1661	6 Eri	18622		56.4	-40	30	3.4	.061	A2	+ 11.9	b	19	L	S3 2-sp	
1662		3586		56.4	-40	30	4.4	.073	A2	+ 18.8	b	8	L		
1663		3587		56.4	+40	50	6.1	.044	K2	+ 31.9	b	4	D		
1664		3588		56.4	+47	01	5.6	.032	gG4	+ 7.3	b	6	VW	*	
1665	62°	504		56.5	+62	31	8.0	.....	30	- 44	e	1	W	IS -25 d
1666	ST Per	18541		56.9	+39	00	9.7v	.030	A3+K	- 50	b	30	Md	EA 2.65 *	
1667		3593		57.0	+59	28	7.4	.026	A0	- 1	d	6	D	SB (69)	
1668		3594		57.0	+37	56	5.9	.028	B9e	- 16	c	5	V	S3 (28)	
1669	X Cet	18604		57.0	+08	43	4.7	.016	B5	+ 10.2	b	13	3	*	
1670		3597		57.2	-02	40	5.5	.023	39n	+ 18	c	13	3	SB *	
1671	K 9-911	.....		57.3	+60	24	10.6	.....	Bin	+ 10	e	1	Md	IS -22 d
1672	A 2270A	18537		57.3	+52	09	5.4	*.038	38n	- 4.4	b	25	5	*	
1673	A 22703	18538		57.3	+52	09	6.8	.026	Aln	+ 1	c	4	W	S3 (26)	
1674	29° ^c	508		57.4	+30	22	8.6	.034	K0	- 14.4	b	4	D		
1675	t For	18692		57.4	-25	28	5.6	.201	sgA9n	+ 27	c	8	LW	*	
1676	8 EDT	18866		57.8	-64	16	5.1	.022	A5	+ 23.6	b	6	L		
1677		3612		57.9	+05	47	8.2	.677	dK1	+ 66.2	b	3	W		
1678		3616		58.0	+10	40	6.2	.085	K6	+ 18.3	b	5	D		
1679		3621		58.3	-03	05	6.3	.021	gM1	+ 81.1	b	4	W		
1680		3627		58.7	-07	52	5.9	.118	dG6	+ 14.2	b	3	W		
1681	57 ⁱ	681	237056	58.8	+57	25	9.2	.039	O8ne	- 21	e	1	Md	IS -26 e	
1682		36is9	18769	59.0	+26	16	"O	.015	dA7	- 4	c	6	VW	*	
1683		3636	18832	59.2	+05	08	6.4	.041	G8	- 59.4	b	4	D		
1684		363B	18438	59.4	+79	13	5.7	.035	gM1	- 37.6	b	8	VW	*	
1685		3640	18803	59.5	+26	25	6.7	.288	dG6	+ 11	c	9	VW	*	
1686	€ For	18907		59.5	-28	17	5.tf	.500	dG5	+ 31	c	3	W		
1687		3642	18885	59.5	-10	09	6.0	.050	gG6	+ 11.5	b	3	W		
1688	a Cot	18884		59.7	+03	54	2.8	.075	gM2	- 25.il	a	34	6	*	
168 [^]		3646	18883	5y.8	+04	09	5.6	.017	35	+ 11.8	b	3	W		
isao		3647	18766	59.9	+60	07	7.2	.051	dF4	- 50	c	3	W		
16J1		3648	18757	3	00.0	+61	31	6.7	.994	dG2	- 6.8	b	3	W	
16J2		364y	18y78		00.2	-23	49	4.2	.152	AO _n	- 9.8	b	13	3	*
1SJ3		3651	18953		00.2	-07	53	5.5	.048	gG5	+ 24.7	b	3	W	
16J4		365/	18881		00.3	+38	13	7.0	.030	AO _n	+ 14.3	b	7	S	
1695		3654	18 [^] 75		00.5	-02	17	7.5	.103	dF7	+ 35	c	3	W	
1696		3856	18928		00.5	[^] 2S	04	6.3	.087	A5	+ 10.8	b	3	V	
16*7		385*J	18*50		01.0	*-37	53	6.9	.044	3d	- 4.9	b	8	S	
<i>tms</i>	CC	204	19034		01.1	-05	51	a.3	.432	dG5	- 19.9	b	3	W	
1693	y Per	18925		01.2	+53	19	3.1	.004	cF7	+ 2.5	a	56	4	W	Orb. *
1700	62 ⁱ	512	18876		01.2	+62	50	7.4	.023	35	- 2.tf	b	4	D	

Cat. No.	Star	ED. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	o	i	km/sec							
1701	3667	19141	3	01.2	-47	10	5.7	0.020	G8	+ 17	c	2	L	
1702	3669	18892		01.4	+64	58	7.3	.021	K0	- 10	c	2	V	
1703	3674	18970		01.8	+56	31	5.1	.077	gG8	- 44.8	a	14	3	*
1704	3677	19107		01.8	-07	48	5.4	.060	A3	+ 15	c	10	3	*
1705	3680	19080		01.9	+15	40	6.6	.092	K2	- 31.6	b	4	D	
1706	3681	18991		01.9	+55	53	6.5	.036	G8	- 10.S*	b	4	D	
1707	yo Per	19058		02.0	+38	39	3.2v	.172	gM4	+ 28.2	b	8	3	SR 50 *
1708	3683	19121		02.0	+01	40	6.0	.031	gG6	+ 1.4	b	7	DW	*
1709	3684	19066		02.1	+40	23	6.2	.051	K0	- 34.1	b	4	D	
1710	6 Hyi	19400		02.1	-72	06	5.5	.032	B9	+ 11.8	b	6	L	
1711	12° 590	19178		02.4	-12	22	8.2	.069	dF5	+ 3	c	2	L	
1712	fi. Hor	19319		02.4	-59	56	5.2	.094	F0	+ 17.3	b	7	L	
1713	3697	19134		02.5	+25	04	6.1	.007	B8n	+ 9	c	4	S	
1714	27° 478	1*165		02.8	+27	30	8.6	.085	GO	+ 87	c	4	D	
1715	3705	19065		03.1	+63	52	5.8	.020	B9	- 2	c	5	W	
1716	RX Cas	.....		03.2	+67	23	10.Ov	.029	*	- 24	b	35	Md	gG3+A5e *
1717	11° 434	19258		03.6	+11	28	~ T3	.019	gM1	- 74.3	b	3	L	
1718	39° 710	.....		03.6	+40	10	9.5	.38	dK6	- 48	c	2	W	
1719	3712	19270		03.6	+13	00	5.8	.058	gKO	- 15.4	b	9	VW	*
1720	3715	18778		03.8	+81	17	6.0	.049	A4	- 2.5	b	5	V	
1721	CC 207	19305		03.8	+01	47	8.9	.959	dMO	- 21.9	b	4	W	
1722	3718	19349		04.1	-06	17	5.6	.006	gM3	+ 16.7	b	3	W	
1723	K 9-53	.....		04.1	+59	06	11.0	.....	sdA2	+ 28	d	2	Md	
1724	3722	19383		04.3	-13	31	8.0	.067	dF2	- 3	c	4	W	
1725	3723	19279		04.4	+47	07	6.4	.009	A0	- 9.8	b	3	V	
1726	38° 640	19301		04.4	+38	54	8.2	.012	dF3	- 2	c	2	L	
1727	3725	19268		04.5	+52	01	6.2	.041	B5	+ 6.0	b	4	V	
1728	3728	19374		04.6	+17	41	6.1	.025	B2	+ 28	c	5	V	SB
1729	K 9-1612	.....		04.7	+61	13	10.7	.....	B6ne	+ 10	e	2	Md	
1730	3731	19243		04.8	+62	12	6.5	.029	B2e	- 24.7	b	11	VW	IS -8.0 b *
1731	3 Per	19356		04.9	+40	46	2.2v	.006	B8	+ 4.0	a	217	Mi	EA 2.87 *
1732	3734	19467		04.9	-13	57	7.2	.261	dG5	+ 12.3	b	4	W	
1733	TU Per	.....		05.4	+53	00	11.4v	.046	A5	-380	c	2	W	RR 0.61
1734	c Per	19373		05.4	+49	25	4.2	1.270	dG1	+ 50.0	a	16	4	*
1735	3741	19445		05.5	+26	09	8.0	0.821	A4p	-139	c	5	WV	*
1736	3742	19460		05.5	+18	36	6.5	.050	gMO	+ 43.3	b	3	W	
1737	12° 600	19522		05.6	-12	14	8.0	.148	sgG3	+ 50	c	3	L	
1738	6° 485	19511		05.8	+06	32	7.8	.025	gG4	+ 20	c	2	L	
1739	X Ari	19510		05.8	+10	15	9.0v	.103	A3v	- 40	e	1	W	RR 0.65
1740	3751	19525		06.0	+08	17	"O	.074	G8	+ 38.2	b	4	D	
1741	K Per	19476		06.1	+44	40	4.0	.238	gG8	+ 28.8	a	15	3	*
1742	F 10	.....		06.2	+45	33	10.1	.....	dM2	+ 5	c	2	Md	*
1743	3759	19275		06.5	+74	12	4.9	".088	A2	+ 10	c	11	3	*
1744	74° 138	19286		06.5	+74	53	8.2	.....	dF2	+ 52	c	2	L	
1745	3762	19548		06.6	+28	53	5.6	.024	B9n	- 2	c	6	W	
1746	+0° 530	19594		06.8	+01	16	9.2	.025	F5	- 44	d	1	L	
1747	4° 501	19620		07.0	+05	01	8.6	.078	dGO	+ 35.9	b	3	W	
1748	3779	19600		07.2	+27	38	6.4	.046	A0	- 5	c	3	V	
1749	3783	19637		07.5	+26	42	6.1	.073	gK5	- 16	c	2	V	
1750	3785	19536		07.5	+60	27	7.3	.044	A3	+ 13	c	9	DW	SB (45) *

Cat. No.	Star	ED. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			H.A.	Decl.									
			h	m	°	'		km/sec					
1751	57° 702	19557	3	07.6	+57	43	8.1	0.014	R6	- 7.4	b	7	WMi *
1752	α Per	19656		08.1	+39	25	4.8	.023	gG9	+ 6.7	b	8	LB *
1753	U Ari	19737		08.3	+14	37	6.4 _v	.014	gM5e	- 37	c	2	W Em -51 *
1754	6° 493	19790		08.5	+06	59	8.3	.033	gF3	- 3.4	b	3	L
1755	3803	19789		08.6	+12	52	6.4	.021	G6	+ 10.7	b	5	D
1756	6 Ari	19787		08.8	+19	32	4.5	.153	gK2	+ 25.0	a	10	LB *
1757	3806	19836		08.8	-04	00	6.3	.035	gM1	+ 23.8	b	3	W
1758	3808	19534		08.8	+74	03	7.2	.023	gM2	+ 12.9	b	3	WL *
1759	3812	19735		09.0	+47	32	6.4	.107	gK8	- 36.1	b	4	V
1760	K 9-106	.....		09.1	+58	45	<u>10.5</u>	.....	Bin	- 9	e	2	Md IS -30 d
1761	36° 651	19784		09.1	+36	47	8.8	.005	A0	+ 7.4	b	3	W
1762	34° 596	19808		09.1	+34	48	8.1	.....	sgF5	+ 38	d	2	L SB
1763	3819	20313		09.2	-79	11	5.7	.105	F0	+ 3	c	5	L SB
1764	3820	19823		09.2	+29	38	9.4	.075	G5	- 32.y	b	4	D
1765	3821	19832		09.3	+27	04	5.6	.018	B9n	+ 11	c	4	WV *
1766	15° 554	19934		09.4	-15	07	7.9	.052	gG5	+ 35	c	4	W SB (31)
1767	SV Eri	19931		09.5	-11	33	9.5 _v	.. **	A5	- 12	d	3	MdW RR 0.71 *
1768	3824	19896		09.6	+16	20	7.3	.009	A4	- 6	c	5	D
1769	3827	19926		09.8	+06	28	5.8	.007	cG2	+ 5	c	10	WS SB (31) *
1770	3830	19845		09.9	+47	59	6.0	.037	gK1	- 7	c	2	V
1771	38° 662	19882		09.9	+38	47	8.3	.043	sgF3	- 13	c	2	L
1772	a For	20010		09.9	-29	11	4.0	.722	dF5	- 20.7	a	17	LC *
1773	47° 783	19881		10.1	+47	38	9.2	.011	Np	+ 8	c	3	W
1774	CC Cas	19820		10.1	+59	23	7.1 _v	.004	*	- 4.2	a	22	V O8n+O8n *
1775	3838	199U4		10.2	-01	23	5.1	.204	dF8	+ 18.3	a	10	3 *
1776	CC 212	.....		10.4	+18	40	14.4	1.74	sdMO	-102	c	3	W
1777	3845	20121		10.7	-44	36	5.9	0.089	F2	+ 34	c	4	L
1778	CC 213	.....		11.0	+52	10	9.7	.48	dMO	- 55	c	2	W
1779	3857	20234		11.3	-57	30	5.7	.012	N	+ 14.3	b	3	L
1780	15° 450	20086		11.3	+15	24	7.3	.039	A3n	+ 17	c	5	W
1781	4B° 870	20017		11.4	+48	30	7.9	.....	Bne	- 28	d	5	D IS -7 c
1782	3862	20115		11.5	+00	33	8.1	.075	dF8	+ 23.8	b	3	W
1783	60° 051	199681		11.5	+60	56	8.0	.012	B5	- 7	c	3	W
1784	~Q ^G 514	20126		11.6	+00	13	9.0	.034	KB	- 9	d	1	L
1785	3864	20063		11.6	+42	19	6.2	.073	ED	+ 21.8	b	4	D
1786	AA Per	.....		11.8	+46	24	9.2 _v	.009	gM6	+ 18	c	2	W P130
1787	3870	20041		12.0	+56	57	5.9	.000	cAO	- 11.9	b	12	WV IS -10 c *
1788	t Ari	20150		12.0	+20	52	5.0	.077	A0	+ 7	c	15	3 *
1789	3874	20165		12.1	+08	48	7.7	.573	dK2	- 21.5	b	3	W
1790	59" 616	20040		12.2	+59	56	7.8	.025	gG1	- 34.5	b	5	W
1791	3879	20149		12.3	+30	22	5.5	.009	A1	- 3	c	9	WY *
1702	3883	20123		12*0	+50	45	5.3	.018	cG2	+ 2.2	a	10	L SB
1793	3884	20162		12.7	+45	10	8.4	.069	gM2	- 3.0	b	6	DW *
1794	3S85	20193		12.7	+32	40	6.3	.034	F0	+ 13.5	b	11	3 *
1795	14 ^f 629	20268		12.7	-14	01	7.5	.059	gG5	+ 26	c	3	W
178<	3888	20210		12.9	+34	30	6.4	.057	A2	+ 25.2	a	id	V Orb. Harper
1797	59" 625	20134		13.0	+59	53	7.5	.021	B2e	- 15	c	8	D
1798	3891	2Q200		13.1	-08	57	6.8	.014	gK2	+ 14.5	b	5	W
17*9	3893	20104		13.1	+S5	29	6.4	.016	AOn	- 63	b	4	D
1800	CC 21?	.....		13.1	+37	57	10.5	1.36	sdK5	-167.3	b	3	W

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		<i>ir</i>	km/sec					
1801	C 430	20278	3	13.3	+11	27	7.9	0.190	dGO	+ 44.1	b	4	W	
1802	? Eri	20320		13.4	-09	00	4.9	.048	A3	- 7	c	11	3	SB (45) *
1803	3901	20039		13.4	+72	06	9.0	.359	dG5	+ 9	c	4	W	
1804	17° 631	20340		13.5	-17	01	7.8	.040	B5ne	- 24.7	a	82	L	Orb. Neubauer
1805	3904	20277		13.5	+32	00	6.0	.108	sgG8	+ 19	c	8	DW	*
1806	3907	20319		13.5	-06	06	6.0	.007	B9n	+ 7	c	4	W	
1807	C 431	.....		13.8	+30	51	9.7	.28	dK5	+ 36	c	4	W	SB (33)
1808	12° 627	20358		13.9	-12	10	7.5	.007	gK4	- 24	c	2	L	
1809	3912	19978		13.9	+77	33	5.5	.086	A4n	+ 4	c	14	3	*
1810	3914	20283		13.9	+40	18	6.4	.028	A0	- 8	c	3	V	
1811	3918	20395		14.2	-09	20	6.2	.052	dF4	- 5.3	b	3	W	
1812	3923	20315		14.4	+43	51	5.4	.045	B7n	0	c	17	4	IS +2.2 b *
1813	3927	20346		14.5	+39	06	6.0	.030	A0	+ 27	c	4	V	
1814	3929	20367		14.6	+30	57	6.5	.116	GO	+ 5.3	b	5	D	
1815	C 436	20430		14.8	+07	28	7.2	.170	dFy	+ 31.6	b	3	W	
1816	CC 221	.....		14.8	+38	05	10.0	.78	dM2	+ 9	c	2	W	
1817	C 437	20439		14.9	+07	30	7.5	.183	dGO	+ 31.7	b	4	W	
1818	81° 107	19855		15.0	+81	58	7.3	.030	gM2	- 7	c	2	L	
1819	3934	20365		15.1	+50	02	5.3	.040	B4n	- 5	c	15	4	IS +2.8 b *
1820	3936	20458		15.1	+13	40	7.4	.016	AOn	+ 6	d	6	D	
1821	3938	20273		15.3	+69	33	6.7	.022	A0	- 9	d	4	V	SB (40)
1822	3941	20500		15.5	+12	39	7.6	.003	A0	+ 16.1	b	6	D	
1823	3945	20418		15.6	+49	55	5.1	.035	B4n	+ 3	c	16	4	IS +3.5 b *
1824	3947	20338		15.6	+65	28	4.8	.022	B3e	+ 20	c	26	3	*
1825	3948	20468		15.6	+34	02	4.9	.013	gK4	+ 1.8	a	13	LV	*
1826	3950	20512		15.7	+15	00	7.7	.295	dG4	+ 10.y	b	3	W	
1827	3953	20559		15.8	-01	07	5.6	.256	gKO	+ 27.8	b	8	W	
1828	Ross 570	.....		16.0	-07	20	10.7	.34	sdA8	+154	c	2	Md	
1829	3955	20610		16.2	-22	42	5.0	.024	gG6	+ 23.9	a	13	3	*
1830	14° 646	20622		16.3	-14	26	7.9	.028	sgK2	+ 84.3	b	4	W	
1831	3959	20631		16.4	-18	44	5.8	.144	dF2	+ 18	c	7	W	SB (42)
1832	3961	20619		16.5	-03	01	7.1	.273	dG2	+ 20.6	b	3	W	
1833	51° 713	232774		16.5	+51	54	9.2	..*	B5n	•••	,	1	Md	IS +8 e
1834	55° 766	20509		16.6	+55	21	7.3	.012	KO	+ 5	d	1	V	
1835	19° 505	20600		16.6	+19	32	8.3	.100	dGO	+ 33.5	b	3	W	
1836	10° 653	20647		16.7	-09	40	9.5	.027	A2	+ 7	e	1	L	
1837	3966	20766		16.7	-62	46	5.5	1.487	dGO	+ 11.8	a	4	L	
1838	K Cet	20630		16.7	+03	11	5.0	0.284	dG5	+ 19.3	a	6	L	
1839	3970	20618		16.9	+26	54	5.9	.077	sgG5	- 0.1	b	7	SW	*
1840	X Cet	20646		16.9	-01	15	7.9v	....	gM2e	+ 59	c	2	W	Em +51 *
1841	UZ Per	.....		17.0	+31	50	7.8Y	.002	^M5	+ 1	d	2	W	SH 100
1842	I Ret	20807		17.1	-62	42	5.2	1.481	dGO	+ 11.6	b	4	L	
1843	3976	20536		17.2	+01	49	6.6	0.048	B8n	- 7.3	b	7	D	
1844	I Eji	21024		17.2	-77	34	5.5	.127	F2	+ 19.4	b	7	L	
1845	3979	20720		17.3	-21	56	4.0	.065	gM3	+ 41.7	a	11	LC	*
1846	3981	20644		17.3	+28	52	4.7	.014	gK4	- 2.1	a	8	LB	*
1847	3983	20729		17.4	-24	18	6.0	.021	gM2	+ 15	c	4	W	
1848	3987	20633		17.5	+25	29	6.4	.088	gK3	+ 25.9	b	3	W	
1849	C 446	20717		17.8	+12	10	7.3	.151	dF5	+ 45.3	b	4	W	
1850	3998	20727		17.9	+08	51	3	.307	dG2	+ 11.6	b	3	W	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
1851	4000	20794	3	17.9	-43	16	4.3	3.144	dG7	+ 86.8	a	15	3	*
1852	38° 701	20692		18.0	+38	33	8.1	0.081	dF5	- 4	d	2	L	
1853	4004	20677		18.1	+43	09	5.0	.057	A1n	- 7	c	17	4	*
1854	4006	20675		18.3	+48	54	6.2	.204	dF5	+ 24.7	b	9	VW	*
1855	4007	20756		18.3	+20	58	5.2	.043	B7	+ 14	c	15	4	IS +13.4 b *
1856	64° 385	20535		18.4	+64	56	8.6	.....	gKO	- 0.2	b	3	W	
1857	4009	20507		18.5	+74	00	6.9	.244	dF4	- 28	c	4	W	SB (36)
1858	4010	20791		18.5	+03	30	5.8	.056	gG8	+ 11.2	b	4	W	
1859	4017	20825		19.2	+27	26	5.6	.016	gG5	+ 6.2	b	3	W	
1860	4018	20894		19.2	-23	49	5.7	.033	gG3	+ 8.1	b	3	WL	*
1861	12° 640	20^09	ly.6	-12	31		8.2	.046	dF4	+ 8	c	2	L	
1862	4024	20809		19.7	+49	02	5.3	.031	B5n	+ 4.8	b	13	3	IS +1.6 b *
1863	4026	20893		19.9	+20	34	5.2	.047	gK5	+ 2.3	b	13	3	*
1864	A 2499	20873		19.9	+29	38	7.8	.038	A4	+ 15	c	8	W	*
1865	4030	20084		20.1	+84	44	5.8	.147	gG4	+ 33.1	b	9	VW	*
1866	RT Per	.....	20.2	+46	24		10.6v	.....	dF2	- 12	b	28	Md	EA 0.85 *
1867	4034	20797		20.3	+64	25	5.6	.008	gK5	- 21.0	b	3	W	
1868	4035	2070y		20.4	+73	02	7.3	.082	gK2	- 20.2	b	4	W	
1869	1° 481	20989		20.7	-01	40	9.1	.018	K0	+ 30	d	1	L	
1870	2° 534	20988		20.7	+02	40	8.3	.064	dF4	+ 7	c	3	L	
1871	a Per	20902		20.7	+49	41	1.9	.035	cF4	- 2.4	a	285	15	*
1872	4045	21018		21.0	+04	42	6.5	.007	F8	+ 3	c	5	D	SB (18)
1873	4050	20930		21.3	+58	31	7.1	.039	G8	- 32	d	1	V	
1874	4051	21017		21.3	+24	33	5.7	.047	gK4	+ 12.7	b	10	VW	*
1875	4052	20995		21.4	+33	22	5.6	.049	A0	+ 2.4	b	9	V	
1876	4056	21051		21.4	+12	27	6.2	.026	K0	+ 20.5	b	5	D	
1877	4057	21050		21.5	+20	38	5.9	.006	B9	- 9	c	4	W	
1878	4062	21062		21.8	+28	29	7.0	.064	A3	+ 6.4	b	11	DS	*
1879	6° 525	.....	21.8	+06	49		10.0	.04	dK5	+ 27	c	2	W	
1880	4063	21038		21.8	+41	05	6.4	.003	A0	- 19	c	5	V	SB
1881	4066	21004		22.1	+53	45	6.4	.094	FOn	- 4.1	b	4	D	
1882	o Tau	21120		22.1	+08	51	3.8	.099	gK1	- 21.0	a	36	4	*
1883	4072	21110		22.3	+31	33	7.5	.025	gK4	+ 19.0	b	4	W	
1884	4074	20967		22.4	+66	02	7.3	.039	K2	+ 20	c	2	V	
1885	4075	21071		22.4	+48	57	5.9	.036	B8	+ 10.0	b	4	V	
1886	4076	21197		22.5	-05	32	8.1	.811	dK6	- 11.8	b	3	W	
1887	25" 545	21108		22.8	+25	42	8.8	.087	dF7	+ 56	c	4	W	SB (33)
1888	4083	21252		22.9	-15	13	8.0	.330	dGO	+ 44.5	b	3	W	
1389	34^C 645	21183		23.2	+35	09	8.1	.....	dF9	- 0.2	b	3	L	
1330	4039	21242		23.5	+28	33	6.5	.109	G5e	+ 15.9	b	8	D	
1891	4" 535	21336		24.0	+05	19	9.3	.017	A2	- 26	e	i	L	
1882	iCC 233	.....	24.0	+23	37		10.8	.45	sdF3	- 33	d	2	Md	
1893	i 4103	21335		24.2	+18	35	6.4	.048	A2n	+ 31.3	b	4j	D	
1894	I 4105	21203		24.3	+60	05	6.5	.028	B9	+ 5	c	6i	D	
1895	Y Per	21280		24.3	+44	00	8.2v	.019	R4e	- 9	b	3	W	Em -14 *
18^6	% Tan	21304		24.5	+09	34	3.8	.067	B8	- 2	c	8	L	SB 2-sp
189?	4108	21278		24.5	+48	53	4.9	.038	B4	+ 7	c	14	3	IS -0.4 b *
1898	4109	21379		24.6	+12	34	6.2	.018	A0	+ 15	c	16	3	SB *
1889	4113	21291		25.0	+59	46	4.4	.002	c39	- 6.8	b	17	4	IS -6.4 b *
1900	4116	21179		25J	+71	42	6.8	.018	M1	- 23.3	b	4	D	

Cat. No.	Star	HJD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.								
1901	4120	21402	h	m	°	'		km/sec				
1901			3	25.2	+33	38						
1902	4122	21362		25.3	+49	41						
1903	25° 551	21451		25.4	+26	06						
1904	CC 235	.....		25.5	+37	14						
1905	4126	21467		25.5	+22	38						
1906	4128	21531		25.6	-20	00						
1907	412y	21574		25.6	-35	51						
1908	4130	21530		25.6	-11	28						
1909	4131	21483		25.7	+30	12						
1910	4133	21428		25.8	+49	20						
1911	A 2559A	21448		25.8	+44	53						
1912	A 2559B	.....		25.8	+44	53						
1913	4140	21389		25.9	+58	42						
1914	4142	21455		25.9	+46	46						
1915	4145	21427		26.1	+59	12						
Iy16	4146	21447		26.2	+55	17						
1917	4147	21541		26.2	+14	4a						
1918	4150	21465		26.4	+55	12						
1919	CC 236	.....		26.4	+66	35						
1920	52° 699	21488		26.6	+52	44						
1921	R Per	21567		26.9	+35	30						
1922	4155	21590		26.9	+16	35						
1923	4157	21540		26.9	+46	54						
1924	α Per	21552		27.0	+47	49						
1925	4159	21551		27.1	+47	56						
1926	RU Per	275376		27.2	+39	29						
1927	29° 568	21611		27.2	+29	52						
1928	4164	21688		27.2	-12	51						
1929	0 1730A	21663		27.6	+19	56						
1930	j3 1730B	.....		27.6	+19	56						
1931	4173	21686		27.7	+11	10						
1932	GK Per	21629		27.8	+43	44						
1933	41° 696	21650		27.9	+41	35						
1934	4177	21620		27.9	+49	02						
1935	4178	21577		27.9	+62	06						
1936	4179	21641		28.0	+47	42						
1937	ρ 1731B	.....		28.0	+27	34						
1938	β 1731A	21700		28.0	+27	34						
1939	4183	21755		28.1	+06	01						
1940	4184	21754		28.1	+12	46						
1941	4185	217^0		28.1	-05	15						
1942	4188	21882		28.2	-42	48						
1943	A 2582B	.....		28.3	+27	24						
1944	A 2582A	21743		28.3	+27	24						
1945	κ Ret	22001		28.5	-63	07						
1946	4205	21699		28.6	+47	51						
1947	44° 732	21771		28.9	+44	40						
1948	4210	21770		29.0	+45	53						
1949	Z9 ^o 571	21834		29.1	+29	50						
1950	4217	21803		29.2	+44	41						

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
1951	4222	21856	3	29.5	+35	18	5.8	0.004	Bin	+ 25	c	5	W	IS +4.9 b We
1952	4223	21769		29.5	+58	36	6.3	.054	A3	+ 6.9	b	8	DV	*
1953	4225	21610		29.7	+73	11	6.4	.025	A0	- 9	c	6	V	
1954	4226	21794		29.7	+57	42	6.4	.013	F6	- 71.6	b	4	D	
1955	4228	21844		29.8	+47	47	6.7	.133	F2	+ 38.3	b	5	D	
1956	4229	21819		29.8	+54	48	5.8	.045	A2	+ 14	c	3	V	SB 2-sp
1957	4230	.....		29.9	+23	31	9.0	.168	dG9	+ 32	c	2	W	
1958	21° 644	21996		29.9	-21	25	8.8	.027	B4	+ 28	c	9	L	
1959	-0° 562	22007		30.3	-00	40	8.0	.031	sgG5	+ 17.9	b	5	L	
1960	4236	21912		30.3	+39	44	5.8	.040	A0	+ 3.7	a	36	V	Orb. Harper
1961	4° 549	22018		30.4	+05	17	9.2	.092	G5	+ 33	d	1	L	
1962	€ Eri	22049		30.6	-09	38	3.8	.975	dK2	+ 15.4	a	15	4	*
1963	58° 622	237153		30.6	+58	29	10.0	.026	cB3	- 39	c	3	Md	IS -47 c
1964	4250	21903		30.9	+59	52	6.5	.034	dF4	+ 20.5	b	3	W	
1965	4251	22231		31.1	-50	33	5.6	.110	K0	+ 40	c	2	L	
1966	23° 471	22040		31.1	+24	09	9.1	.011	A0	+ 7	e	1	W	
1967	9° 698	22130		31.2	-09	31	9.4	.011	F0	- 28	d	1	L	
1968	4253	22072		31.3	+17	40	6.4	.328	dG7	+ 11.3	b	3	W	
1969	4257	22091		31.5	+24	18	5.9	.026	A2	+ 29.3	b	6	V	
1970	4258	22203		31.6	-21	48	4.3	.050	B8n	+ 14.0	b	23	Y	Orb. Struve
1971	C 463	21854		31.7	+72	56	9.2	.31	dK2	+ 45.2	b	3	W	
1972	62° 582	21971		31.7	+63	09	7.6	.006	gK4	- 22	c	2	L	
1973	4260	22676		31.8	-78	31	5.6	.025	K0	+ 10	c	3	L	
1974	AC 34° 344	.....		31.8	+34	27	10.5	.25	dMO	+ 39	c	2	W	129
1975	4264	22124		31.9	+31	51	6.6	.072	F2	- 4.4	a	44	D	Orb. Northcott
1976	4270	22211		32.2	+06	15	6.5	.016	F5n	- 10.6	b	4	D	
1977	4276	22225		32.4	+18	44	7.9	.060	gM2	- 8.5	b	3	W	
1978	4277	22136		32.5	+46	56	6.8	.038	B8p	+ 12	c	6	D	
1979	4280	22195		32.5	+31	31	6.8	.060	F2	+ 22.3	b	6	D	
1980	10° 461	22254		32.6	+11	14	8.3	.179	gFB	+ 63.9	b	3	W	
1981	46° 774	22156		32.6	+46	24	7.7	.004	gG6	- 26	c	2	L	
1982	74° 161	21910		32.6	+74	36	7.6	... * *	sgG9	-104	c	2	L	
1983	41" 714	22193		32.8	+42	11	8.4	.....	dG5	+ 53.7	b	3	W	
1984	f Per	22192		32.9	+48	02	4.3	.038	B5ne	+ 0.3	a	28	3	IS +1.3 b *
1985	27° 529	22269		33.0	+27	26	8.1	.062	K0	+ 14.8	b	4	D	
1986	4° 029	22341		33.2	-04	32	9.1	.026	F0	- 8	d	1	L	
1987	CC 244	.....		33.3	-48	36	9.3	.50	K5	+ 65	d	1	Md	
1988	4290	219701		33.3	+75	35	6.4	.015	G5	+ 27.9	b	4	D	
1989	4295	22328		33.5	+19	54	7.6	.101	dF5	+ 34.6	b	3	W	
1990	45° 96	22409		33.6	-11	22	5.7	.092	gG7	+ 36.5	b	4	W	
1991	4297	22317J		33.6	+29	04	6.6	.049	A7	+ 20.1	b	6	DS	*
1992	4300	22253		33.8	+56	35	6.8	.019	Bin	+ 5	c	7	V	IS -1.7 fo *
hh*3	4305	22470		34.0	-17	38	5.3	.024	AOp	+ 14	c	8	L	
1994	4310	22403		34.2	+25	50	8.1	.380	GO	- 47	d	4	D	SB (83)
1995	34" 695	22373		34.2	+35	00	8.1	.052	dF9	- 9	d	1	L	
1996	A 2S44A	22468		34.2	+00	26	6.6	.162	dG9	- 23	c	7	W	SB (40)
1097	A 2644B	.....		34.2	+00	26	8.9	.....	dK6	- 14.4	b	5	W	*
1998	4313	22484		34.3	+00	15	4.4	.533	dF9	+ 27.9	a	18	4	
IWif	4314	22418		34.4	+30	57	7.0	.152	F4	- 37.8	b	5	D	
2000	AB Per j	275004		34.4	+40	26	9.8v	.....	A5	- 5	b	25	Md	EA 7.16 *

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	in	°	'			km/sec					
2001	21° 489	22444	3	34.5	+22	11	8.9	0.047	dF3	+ 3	d	1	W	
2002	18° 514	.....		34.5	+18	26	8.6	.144	dF7	+ 42.3	b	4	W	
2003	4316	22402		34.6	+42	25	6.3	.034	B8n	- 1	c	7	D	
2004	20° 598	.....		34.7	+21	11	9.0	.159	dKO	+ 34.9	b	3	W	
2005	47° 865	22401		34.7	+47	25	7.6	.031	A0	- 2	c	?	Y	
2006	23° 483	22491		34.7	+24	06	8.1	.047	gK3	+ 54	d	1	W	
2007	4320	22428		34.9	+44	38	7.4	.046	AO	+ 1	d	3	W	
2008	4323	22441		34.9	+44	38	7.8	.053	AO	+ 12	d	2	W	
2009	4324	22522		35.0	+15	16	6.5	.026	A3	+ 32.6	b	3	V	
2010	4329	22663		35.3	-40	26	4.6	.035	K0	+ 11.5	b	8	LC	*
2011	4333	22427		35.5	+59	17	7.1	.017	gK4	- 32	d	1	V	
2012	4335	22521		35.6	+42	23	7.0	.219	F8	- 39.2	b	4	D	
2013	4338	22578		35.7	+22	30	6.6	.052	AO	0	d	2	Md	
2014	4340	22675		36.0	-07	33	5.9	.052	gG5	- 29.6	b	3	W	
2015	4341	22615		36.1	+20	45	6.4	.027	AO	- 5.4	b	6	VMd	*
2016	24° 527	22614		36.1	+24	33	7.1	.055	AO	- 1	d	2	Md	
2017	21° 492	22637		36.3	+21	41	7.3	.043	AO	+ 28	d	2	Md	
2018	25° 584	22651		36.5	+25	58	9.0	.031	dF4	- 30	d	1	W	
2019	4347	22713		36.5	-05	47	6.0	.201	dK1	+ 39.7	b	4	W	
2020	4348	22695		36.6	+16	23	6.3	.053	gG5	+ 14.1	b	3	W	
2021	4363	.....		37.1	+26	48	9.1	.156	dG8	-198.9	b	3	W	
2022	4365	22796		37.2	+02	54	5.8	.036	gG6	+ 21.2	b	8	VW	*
2023	U Cam	22611		37.5	+62	29	7.7 _v	.023	N	- 3	c	2	W	SR 411
2024	4377	22766		37.6	+28	37	7.3	.053	AO	+ 11.0	b	6	D	
2025	51° 762	.....		37.8	+51	21	8.9	.014	N	+ 6	c	2	W	
2026	4382	22805		37.8	+25	10	6.2	.018	AO	+ 6	c	9	SV	SB (69) *
2027	4383	22649		37.8	+63	03	5.3	.023	gM4	- 22.0	b	15	LV	*
2028	4384	22879		37.8	-03	22	6.7	.733	dF6	+114.2	b	3	W	
2029	4387	22780		37.9	+37	25	5.6	.040	B5ne	- 1	c	7	V	IS +8.2 b *
2030	4395	22920		38.2	-05	22	5.5	.004	B8	+ 15.7	b	3	Y	
2031	4398	22860		38.2	+28	33	6.9	.010	B9	+ 8	c	13	SD	*
2032	3° 512	22917		38.4	+03	25	9.3	.122	dF8	+ 18.5	b	4	W	
2033	23° 489	22887		38.4	+23	20	9.4	.043	dFO	+ 3	d	1	W	
2034	4408	22764		38.6	+59	49	6.0	.005	gK5	- 10.4	b	3	W	
2035	50° 802	22872		39.0	+51	01	7.9	.268	dF9	+ 56	d	2	L	
2036	19° 725	23033		39.0	-19	33	9.0	.021	KD	+ 23	d	1	L	
2037	4420	22951		39.2	+33	48	5.0	.010	B1	+ 19	c	27	4	IS +9.0 b *
2038	4424	22963		39.3	+32	47	6.7	.106	F7	- 33.0	b	4	D	
2039	6 Per	22928		39.4	+47	38	3.1	.046	B5n	- 9	d	15	3	*
2040	4430	23016		39.4	+19	32	5.5	.013	B8n	- 10	c	6	WY	SB (68) *
2041	CC 252	23065		39.5	-10	51	%Z	.389	dG4	+ 19	b	3	W	
2042	26° 601	23007		39.5	+26	25	7.8	.100	gKO	+ 32.5	b	4	W	
2043	24° 536	23061		39.**	+24	20	9.5	.047	F8	+ 7.3	b	3	Md	
2044	5° 534	23111		40.0	+05	19	9.1	.066	GO	+ 53	d	1	L	
2045	6 For	23227		40.3	-32	06	4.9	.015	B5n	+ 26	d	7	L	
2046	4442	23050		40.4	+42	27	7.4	.440	dGO	+ 31.7	b	3	W	
2047	4443	23049		40.5	+48	22	6.3	.010	gK4	- 12	c	2	V	
2048	22° 535	23133		40.5	+22	35	9.2	.061	dFO	- 3	c	2	W	
2049	44° 782	23082		40.6	+44	44	7.8	.035	cK5	+ 7.7	b	4	W	
2050	A 2717A	23107		40.7	+38	13	7.4	.009	gK4	+ 14.4	b	5	WL	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
2051	A 2717B	23108	3	40.7	+38	13	8.7	0.033	dA5n	+ 13.4	b	3	W	
2052	24° 537	23155		40.7	+24	56	7.5	.065	A2	+ 1	d	2	Md	
2053	25° 599	23141		40.7	+26	14	7.5	.029	gKO	- 28	c	2	L	
2054	23° 495	23156		40.7	+24	13	8.5	.047	dA9	+ 7.9	b	5	MdW	*
2055	23° 496	23157		40.7	+23	30	8.6	.038	dF1	- 1	c	5	MdW	*
2056	23° 497	23158		40.7	+23	26	10.0	.050	dF3	+ 10	d	1	W	
2057	6 Eri	23249		40.9	-09	56	3.7	.750	dKO	- 6.4	a	13	3	*
2058	4451	23183		40.9	+19	31	6.3	.130	gG6	+ 78	c	8	VW	SB *
2059	4455	23319		41.0	-37	28	4.6	.117	K5	+ 9.9	a	6	L	
2060	24° 540	23194		41.0	+24	24	8.1	.048	A2	+ 1	c	4	Md	
2061	4459	23139		41.2	+45	57	6.1	.037	gA6	+ 8.6	b	10	3	*
2062	4460	23281		41.2	-10	39	5.7	.020	A4	+ 16.2	b	3	W	
2063	o Per	23180		41.2	+32	08	3.9	.016	B2	+ 18.5	a	70	A	IS +10.2 a *
2064	34° 724	.....		41.2	+34	46	10.7	.25	dMO	+ 8	c	2	W	
2065	4463	23005		41.3	+67	03	5.8	.146	dF4	+ 5.6	b	8	VW	*
2066	4464	23193		41.3	+36	18	5.6	.059	cA3	+ 21.8	b	6	WV	IS +23 c *
2067	27° 555	.....		41.3	+28	03	9.0	.086	dG2	+ 10.9	b	3	W	
2068	4465	.....		41.4	+32	00	8.4	.009	B8n	+ 25	d	4	W	SB (123)
2069	23° 504	23246		41.4	+24	15	8.9	.051	dA5n	+ 1.9	b	5	MdW	*
2070	8° 710	23317		41.5	-08	02	7.8	.021	gG6	- 16	c	2	L	
2071	SS Cep	.....		41.6	+80	10	6.7v	.019	gM6	- 41	c	2	W	SR 99
2072	4467	23258		41.6	+20	46	6.0	.026	39	+ 12	c	4	S	S3 (54)
2073	AC Per	.....		41.6	+44	38	11.8v	.....	N	- 32	d	2	W	Irr?
2074	4470	23089		41.6	+63	11	5.0	*.009	cF5	- 2.4	a	12	L	
2075	4472	23257		41.7	+27	46	7.0	.206	GO	+ 49.0	b	5	D	
2076	v Per	23230		41.8	+42	25	3.9	.010	cF4	- 12.7	a	14	3	*
2077	4475	23288		41.8	+24	08	5.4	.047	B7n	+ 2.9	b	17	4	IS +17.5 b *
2078	22° 537	23289		41.9	+23	07	9.2	.046	dF2	+ 5	c	5	MdW	*
2079	4477	23302		41.9	+23	57	3.8	.050	B5ne	+ 12.4	b	17	5	IS +18.2 b *
2080	4481	23363		42.0	-01	19	5.1	.005	B9n	+ 39	d	5	WY	*
2081	44° 790	23256		42.1	+45	11	7.7	.073	dFO	+ 14.3	b	4	W	
2082	23° 508	23325		42.1	+24	07	9.2	.032	dA6n	+ 7.6	b	5	MdW	*
2083	23° 509	23326		42.1	+23	33	8.8	.044	F5	+ 9	c	3	Md	
2084	12° 702	23393		42.1	-12	13	8.2	.005	gFO	- 1	c	2	L	
2085	4485	23324		42.2	+24	41	5.6	.051	B9n	+ 4	d	5	MdPni	*
2086	4486	23338		42.2	+24	19	4.4	.049	B7n	+ 5.5	a	31	6	IS +14.0 b *
2087	57° 744	237174		42.3	+57	22	9.3	.016	B3	- 13	c	3	Md	IS -7 c
2088	24° 548	23351		42.4	+24	46	9*2	.060	F5	+ 2	d	4	Md	
2089	4491	23413		42.4	-00	27	5.8	.057	gK5	+ 69.7	b	3	W	
2090	45° 808	23287		42.4	+45	26	7.5	.028	AO	+ 1.5	b	3	W	
2091	23 ^c 510	23361		42.5	+23	53	8.3	.051	A3	+ 10	c	3	Md	
2092	4495	23300		42.5	+45	32	5.6	.031	B8	+ 2.2	b	9	VW	*
2093	124 ^c 550	23375		42.6	+24	19	8/6	.078	dA8n	+ 16	c	8	MdW	SB *
2094	20 ^c 624	23388		42.0	+21	00	8.1	.059	A3	0	d	2	Md	
2095	4498	23387		42.7	+24	11	8.2	.044	B9	+ 4.0	b	5	Md	
2096	22 ^c 544	23402		42.7	+22	33	8.1	.050	AO	+ 9	d	2	Md	
2097	4500	23408		42.8	+24	13	4.0	.050	S9	+ 7.5	a	98	7	IS +15.0 b *
2098	4501	23410		42.9	+23	30	8.1	.072	AO	+ 2.6	b	3	Md	
20US	123 ^j 517	23409		42.9	+23	53	8.3	.064	A1n	+ 5.6	b	5	MdW	*
2100	4502	23432		42.9	+24	24	5.8	.044	B9n	- 0.1	b	8	3	IS +16.0 b *

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
2101	24° 554	23430	h 3	m 43.0	o +25	l 15	8.1	0.038	A0	+ 7	d	2	Md	
2102	4505	23466		43.0	+05	54	5.4	.023	B3	+ 13	c	14	3	*
2103	4506	23441		43.1	+24	22	6.5	.047	B9	0	c	8	3	*
2104	4507	23189		43.1	+68	31	9.2	.312	dMO	- 4.7	b	3	W	
2105	23° 519	23463		43.2	+24	03	8.1	.022	K2	- 9	c	2	Md	
2106	22° 549	23464		43.2	+22	59	8.8	.065	GO	- 4.0	b	4	Md	
2107	23° 520	23479		43.3	+24	02	8.2	.050	dA6n	- 2	c	7	MdW	*
2108	4512	23480		43.4	+23	48	4.2	.051	B5ne	+ 6.2	b	14	5	IS +16.9 b *
2109	10° 479	23502		43.4	+10	24	7.7	.013	gG8	+ 3	c	2	L	
2110	23° 523	23489		43.5	+24	06	7.0	.039	A1n	+ 4.2	b	6	3	*
2111	4515	23526		43.5	+06	39	6.1	.071	gK1	- 25.5	b	4	D	
2112	4516	23478		43.5	+32	08	6.5	.026	B5n	+ 15	c	5	V	IS +8.6 b We
2113	25° 615	23488		43.6	+25	42	8.5	.078	gA6	+ 4	c	4	W	
2114	3 Ret	23817		43.6	-64	58	3.8	.315	G9	+ 51.1	a	36	LC	Orb. *
2115	A 2757A	23439		43.6	+41	17	8.2	1.369	dG7	+ 49.6	b	3	W	
2116	A 2757B	.....		43.6	+41	17	8.8	.....	dK2	+ 54	c	4	W	
2117	23° 524	23512		43.6	+23	28	8.6	0.051	A2n	+ 1	c	4	MdW	*
2118	22° 551	23513		43.7	+22	58	9.5	.....	F8	- 2	d	3	Md	
2119	22° 550	23514		43.7	+22	46	9.5	.064	dF9	+ 12.5	b	3	W	
2120	4523	23719		43.7	-47	31	5.7	.027	G8	- 2	d	1	L	
2121	7 Eri	23614		43.8	-12	15	4.6	.077	gM2	+ 45.7	a	14	3	*
2122	4527	23477		43.8	+43	55	7.1	.024	A0	+ 7.8	b	4	D	
2123	4530	23277		44.0	+70	43	5.4	.067	A2	+ 17.0	a	36	V	Orb. Petrie
2124	4531	23568		44.0	+24	22	6.7	.041	B9	- 4	c	4	Md	
2125	24° 563	23567		44.1	+24	40	8.6	.045	A2	+ 10	c	3	Md	
2126	23° 528	23585		44.1	+23	51	8.7	.043	A2	+ 4.7	b	3	Md	
2127	I 351	.....		44.3	+34	54	.....	.....	P	- 10.3	b	7	L	Em Pl.neb
2128	4535	23609		44.3	+23	34	8.0	.042	dF6	- 10.0	b	3	W	
2129	23° 534	23607		44.3	+23	59	8.1	.032	gF2	+ 5.9	b	3	Md	
2130	4536	23629		44.4	+23	58	8.1	.052	AOn	+ 5	c	8	MdW	*
2131	23° 537	23632		44.4	+23	39	6.8	.035	A1n	+ 2.4	b	3	Md	
2132	24° 566	23628		44.4	+24	26	7.3	.050	A1n	0	c	5	MdW	*
2133	4538	23631		44.4	+23	46	6.9	.034	B9	+ 3	c	3	Md	
2134	4539	23705		44.4	-09	32	9.4	.003	GO	- 10	d	1	L	
2135	7) Tau	23630		44.5	+23	57	3.0	.050	B5ne	+ 10.1	b	21	5	IS +15.5 b *
2136	23° 539	23643		44.5	+23	32	8.1	.033	A3n	+ 8.6	b	6	MdW	*
2137	4542	23642		44.5	+24	08	6.8	.043	B9	+ 15	d	3	Md	
2138	A 2768AB	23524		44.6	+51	53	8.4	.104	dG6	- 3.8	b	3	W	
2139	44° 797	?-3566		44.6	+45	12	7.7	.038	gA6n	- 6	c	4	W	
2140	23° 542	23654		44.6	+23	28	8.3	.086	gKO	- 32.4	b	4	W	
2141	4546	23626		44.7	+32	03	6.2	.055	F6	- 4	c	4	D	SB (23)
2142	4547	23754		44.7	-23	24	4.3	.547	dF3	+ 6.5	a	16	LC	*
2143	4548	23625		44.7	+33	27	6.4	.004	B3	+ 34	c	12	VW	IS +18 c *
2144	24° 568	23664		44.8	+25	14	8.3	.062	A2	+ 6	d	2	Md	
2145	4551	23450		44.9	+67	01	7.7	.036	gG8	+ 6	c	2	L	
2146	4553	23475		44.9	+65	22	4.7	.008	gM1	- 3.3	b	13	LW	*
2147	Cam	23401		45.0	+71	11	4.7	.043	A0	- 1	c	8	3	*
2148	23° 548	23713		45.1	+24	80	9.8	.037	dF4	+ 12	d	1	W	
2149	4560	23523		45.2	+63	09	6.0	.049	A3	- 14	d	4	V	SB (S8)
2150	23° 549	23733		45.2	+24	10	8.7	.042	A3	+ 7.8	b	3	Md	

Cat. No.	Star	No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'			km/sec					
2151	WX Cam	.....	3	45.3	+53	03	12.2 _v	.....	S	- 82	d	2	W	Irr?
2152	4564	23753		45.4	+23	16	"X5"	0.056	B8n	- 2	c	6	YMd	IS +14.3 b *
2153	4566	23878		45.5	-24	02	5.0	.066	A2	+ 29	c	8	LY	*
2154	4567	23763		45.5	+24	12	6.6	.055	A1n	+ 8	c	4	MdW	*
2155	4568	23793		45.5	+10	59	5.0	.034	B3	+ 18.9	b	7	LY	IS +18.9 b *
2156	23° 554	23778		45.6	+24	02	9.8	.049	dF4	+ 9	d	1	W	
2157	2° 608	23806		45.6	+02	37	8.3	.013	dF2	+ 32	c	2	L	
2158	-0° 601	23842		45.6	-00	03	9.4	.095	G	+ 51	d	1	L	
2159	10° 487	23825		45.6	+10	39	7.9	.108	sgG3	- 13	c	2	L	
2160	4571	23675		45.7	+52	30	6.8	.006	B0	+ 2	c	9	3	IS -1 c *
2161	4572	23728		45.7	+43	49	5.9	.022	F0	- 15	c	4	D	
2162	21° 530	23792		45.7	+21	46	8.3	.062	dA8n	- 2	c	2	W	
2163	22° 565	23791		45.8	+23	07	8.7	.062	A3	+ 2.0	b	3	Md	
2164	4573	23621		45.8	+61	39	7.4	.169	G9	+ 38	d	1	V	
2165	4574	23841		45.8	+09	30	7.0	.074	gKO	- 80	c	3	W	
2166	68° 283	23551		45.9	+68	57	7.2	.....	G7	- 4	d	1	V	
2167	p For	23940		45.9	-30	19	5.6	.243	gG5	+ 52.6	b	4	WL	*
2168	4581	23958		45.9	-36	16	6.2	.019	B8n	+ 5	d	4	L	
2169	4582	23822		46.0	+23	42	6.6	.077	gFO	+ 19	c	4	W	
2170	4584	23887		46.1	+00	05	6.1	.058	gK3	+ 66.1	b	7	DW	*
2171	4586	23850		46.2	+23	54	3.8	.049	B9n	+ 8.5	b	18	5	IS +14.5 b *
2172	4587	23862		46.2	+23	59	5.2	.052	B8ne	+ 4.4	a	148	4	SB *
2173	4588	23863		46.2	+23	44	8.6	.041	A2	+ 5	c	4	Md	
2174	22° 569	23852		46.2	+22	27	7.9	.06^	A0	+ 2	d	2	Md	
2175	23° 560	23872		46.3	+24	15	8.1	.049	A2n	+ 3	c	4	Md	
2176	4591	23873		46.4	+24	14	6.6	.059	B9	+ 1.4	b	5	Md	
2177	4592	23848		46.4	+32	56	5.1	.025	A1n	- 14	c	11	4	SB (69) *
2178	4593	23978		46.4	-21	03	6.1	.025	gK5	+ 2.9	b	3	W	
2179	23° 562	23886		46.4	+24	06	7.9	.043	A2n	+ 9	c	5	MdW	*
2180	22° 570	23912		46.6	+23	14	8.9	.041	dA7n	+ 2	c	5	MdW	*
2181	4597	23838		46.6	+44	49	5.8	.037	gG5	+ 14	c	16	DW	SB (38) *
2182	4598	23800		46.6	+52	20	6.9	.008	B2n	- 18	c	8	W	IS -3.3 b *
2183	4600	23913		46.7	+22	23	6.9	.037	B9	- 7	d	2	Md	
2184	22° 573	23924		46.7	+23	12	8.6	.032	A2	+ 6.7	b	4	Md	
2185	4601	24071		46.8	-37	46	5.4	.054	B9	+ 15.9	a	5	L	
2186	4602	24072		46.8	-37	46	4.9	.078	B8	+ 16.0	b	4	L	
2187	4603	23923		46.8	+23	34	6.1	.051	B8	+ 2	c	6	Md	IS +13.9 b We
2188	4609	23948		47.0	+24	12	7.3	.052	A1n	+ 5.1	b	6	MdW	*
2189	4610	23950		47.0	+22	06	5.9	.041	B8	+ 14	d	2	Md	
2190	4611	23964		47.0	+23	42	6.7	.060	B9	+ 6	c	5	Md	
2191	CC 264	24002		47.0	+01	12	8.6	.670	dK2	- 16	c	4	W	
2192	4° 872	24017		47.0	-04	40	9.0	.034	A5	- 28	e	1	L	
2193	22° 575	23965		47.1	+22	27	7.9	.179	dF8	+ 12.2	b	3	W	
2194	4616	23985		47.3	+25	26	5.4	.116	A3	+ 4	c	15	3	*
2195	4617	23962		47.3	+33	54	7.4	.057	gK5	+ 16	d	2	L	
2196	16° 516	.....		47.5	+17	06	9.2	.104	dW.	+ 23	d	5	W	SB (242)
2197	4824	24160		47.6	-36	21	4.2	.071	G5	+ 2.0	a	9	LC	*
2198	4628	238S4		47.8	+60	11	7.0	.018	K2	+ 38	d	1	V	
219f	4° 674	24107		47.8	-04	02	7.5	.021	cK1	+ 30	c	2	L	
22013	4630	24076		47.9	+23	49	6.8	.042	A1n	+ 5	c	5	MdW	*

General Catalogue of Radial Velocities

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
2201	y 23 ^c Hyi	24512	h 3	m 48.0	° -74	' 24	3.2	// 0.125	M3	km/sec + 16.0	a	20	LC	*
2202	571	.....		48.0	+23	46	9.5	.153	dK6	+ 38.3	b	5	W	
2203	U Eri	.....		48.4	-25	06	8.8 _v	....	gM4e	- 35	c	2	W	Em -43 *
2204	24 ^o 584	24132		48.4	+24	22	9.2	".048	dA6n	+ 8	c	5	MdW	*
2205	4643	24155		4B.5	+12	54	6.2	.035	B9	+ 16.3	b	4	S	
2206	4648	24154		48.7	+21	53	6.8	.025	G8	+ 62.9	b	4	D	
2207	63 ^o 458	23982		48.7	+63	20	8.1	.021	B3e	- 13	a	6	D	IS -0.6 b
2208	4649	24131		48.7	+34	13	5.7	.010	B3n	+ 17.8	a	17	3	IS +12.3 b *
2209	4651	24305		48.8	-36	35	6.8	.022	AOn	+ 6	c	5	L	
2210	25 ^o 631	24178		48.9	+25	52	8.1	.052	A0	+ 4	d	2	Md	
2211	4654	24167		48.9	+31	01	6.2	.050	A3	- 38	c	2	V	
2212	4657	24206		49.1	+22	32	7.8	.382	dG5	+ 7.9	b	3	W	
2213	33 ^o 730	24190		48.2	+34	02	7.5	.013	B5	+ 18	c	5	W	
2214	4662	24263		49.3	+06	23	5.6	.011	B9	+ 15.7	b	8	V	
2215	4668	24141		49.6	+57	50	5.8	.128	A2	- 4.9	b	4	D	
2216	K 23-1640	.....		49.7	+45	26	10.9	....	B8	- 2	e	2	Md	IS -20 e
2217	24 ^o 589	24302		49.9	+24	34	9.2	.062	dF5	+ 8	d	1	W	
2218	21 ^o 544	.....		49.9	+21	50	9.5	.120	dG0	+ 60	e	3	W	
2219	26 ^o 633	24301		49.9	+26	32	8.0	.163	dG0	+ 25.1	b	5	WL	*
2220	4671	24240		50.0	+48	30	5.9	.049	gK2	+ 8.0	b	4	W	
2221	BL Tau	.....		50.1	+20	04	10.0 _v	....	gM5	- 80	d	1	W	SR?
2222	4675	24388		50.2	-05	31	"X5	".012	"	+ 15	c	11	3	*
2223	RW Cam	.....		50.2	+58	30	9.3 _v	.036	cB4 _v	- 25.5	b	12	W	* Cep 16.4
2224	4677	24357		50.3	+17	11	^9	.151	dF1	+ 35	c	8	3	
2225	4 ^o 683	24412		50.4	-04	37	9.2	.013	K0	+ 66	d	1	L	
2226	4679	24400		50.5	+07	37	7.4	.122	dF8	+ 13.3	b	24	W	SB (25)
2227	27 ^o 589	24365		50.6	+28	00	7.8	.094	dG7	+ 20.3	b	7	DW	*
2228	4680	24368		50.6	+25	32	7.2	.039	A0	+ 8	d	2	Md	
2229	4684	24238		50.7	+61	01	7.8	.518	dK1	+ 47.9	b	4	W	
2230	r Per	£4398		51.0	+31	44	2.9	.015	cB1	+ 20.6	a	26	5	IS +12.1 b *
2231	4691	24164		51.1	+71	41	6.4	.049	F0	- 1.9	b	4	D	
2232	21 ^o 550	24434		51.1	+21	48	7.1	.001	B3	+ 14	c	5	S	
2233	4693	22701		51.3	+86	29	5.8	.171	dF1	- 4.2	b	3	W	
2234	4698	24587		51.6	-24	46	4.8	.026	B5	+ 23	c	9	YL	*
2235	4701	24626		51.7	-34	53	5.1	.033	B5	+ 18	c	7	L	
2236	4704	24432		51.8	+48	54	7.0	.029	B5	- 10.8	b	4	V	
2237	A 2850B	24554		51.8	-03	06	6.3	.030	A1n	+ 17.6	b	14	3	*
2238	A 2850A	24555		51.8	-03	06	5.0	.029	gG4	+ 26.9	b	16	4	*
2239	4 ^o 601	24550		51.8	+05	02	7.6	.029	sgA8n	+ 15	c	5	W	
2240	4707	24616		51.8	-23	17	6.8	.421	dG6	+ 99.8	b	*3	W	
2241	4708	24431		51.8	+52	30	6.7	.016	OB	- 9.9	b	16	LV	IS -2.3 b *
2242	CC 270	.....		52.1	-06	59	8.3	.54	dMO	+ 53	c	2	W	
2243	16 ^o 529	.....		52.2	+16	51	9.9	.164	dKO	+ 39	c	2	W	
2244	X Per	24534		52.3	+30	54	6.0 _v	.011	BOne	+ 17.2	b	5	V	IS +12.2 b We
2245	22 ^o 596	24570		52.3	+23	13	8.6	.103	gKO	+ 42.4	b	3	W	
2246	-0 ^o 618	24622		52.3	-00	08	8.3	.050	sgF3	+ 23.5	b	3	L	
2247	4721	24504		52.4	+47	44	5.3	.034	B4a	+ 9.8	b	8	WL	*
2248	20 ^o 737	24694		52.6	-20	38	8.8	.033	F0	+ 45	d	3	L	
2249	4724	24744		52.6	-40	30	7.8	.027	F5+A3	+ 2.1	b	8	L	
2250	44 ^o 816	24560		52.8	+44	47	7.8	.016	B3ne	- 10	c	6	D	15 -1.9 b 5

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	"		km/sec					
2251		24480	3	52.9	+60	58	5.3	0.009	gK4	- 2.4	b	9	LW	*
2252		24546		52.9	+50	33	5.5	.160	sgF4	+ 26.7	a	37	V	Orb. Harper
2253	CC	271	.....	52.9	+53	26	10.5	.51	dM2	- 5	c	2	W	
2254		24712		52.9	-12	15	5.9	.067	gA9	+ 22.4	b	3	W	
2255		24479		53.0	+62	56	4.9	.008	B9ne	+ 4.6	b	12	3	*
2256	T	Eri	24754	53.1	-24	11	7.1v	.045	gM7e	+ 42	c	2	W	Em +34 *
2257		4734	24640	53.2	+34	56	5.5	.010	B2n	+ 17	c	17	4	IS +10.8 b *
2258	26°	645	24690	53.5	+26	37	9.2	.082	dF5	+ 8.6	b	3	W	
2259	22°	601	24711	53.5	+23	01	8.5	.040	A0	+ 16	d	2	Md	
2260	26°	646	.....	53.6	+27	10	9.1	.090	dKO	+ 34	c	2	W	
2261		4744	24740	53.9	+22	20	5.8	.129	dF3	+ 32.2	b	10	VW	*
2262	42°	855	24701	54.0	+43	11	7.2	.044	A0	0	c	7	0	
2263		4748	24834	54.1	-13	45	6.7	.013	gM3	+ 38.3	b	3	W	
2264		4756	24817	54.4	+05	54	6.0	.073	A0	+ 8	d	3	V	
2265		4757	24802	54.4	+24	19	6.4	.012	K0	- 13.4	b	4	D	
2266	€	Per	24760	54.5	+39	52	3.0	.036	Bin	- 1	c	26	4	IS +9.1 b *
2267	22°	608	24844	54.8	+22	47	9.1	.153	dK1	+ 26.6	b	3	W	
2268		4766	24451	54.8	+76	02	8.3	.628	dK6	+ 20	c	3	W	
2269		4767	24809	54.8	+34	40	6.4	.026	A5	- 2.0	b	3	V	
2270	A	2894A	24916	54.9	-01	18	8.6	.241	dK5	+ 5.7	b	6	WMd	*
2271	A	2894B	.....	54.9	-01	18	11.3	.....	dM3e	+ 14	c	6	W	SB (35)
2272		4770	24843	55.2	+38	42	6.4	.059	gK1	+ 22.0	b	3	W	
2273	23°	594	24899	55.4	+23	57	7.1	.037	B9	+ 8	c	7	SMd	*
2274	y	Eri	25025	55.7	-13	39	3.2	.126	gMO	+ 61.7	a	18	LC	*
2275	£	Per	24912	55.7	+35	39	4.0	.009	O7n	+ 70.1	b	94	4	IS +11.7 b *
2276	1°	685	25001	55.8	+01	18	7.9	.009	gK1	+ 34.6	b	3	W	
2277	24°	603	24997	56.3	+24	56	9.2	.106	dF7	- 23.1	b	3	W	
2278		4784	24982	56.3	+38	41	6.4	.002	A0	- 1.9	b	3	V	
2279		4785	25069	56.4	-05	37	6.0	.184	dG9	+ 36.2	b	3	W	
2280	CC	275	.....	56.8	+25	57	12.2	.78	dM4	+ 94	c	2	W	
2281	24°	605	25065	56.9	+24	34	8.7	.095	dG1	+ 26.7	b	3	W	
2282		4790	25102	56.9	+10	11	6.3	.171	dF3	+ 39.6	b	3	W	
2283		4791	25165	57.2	-12	43	5.9	.031	gK5	- 5.1	b	3	W	
2284	20°	755	25189	57.2	-20	28	7.7	.039	cK2	+ 14	c	2	L	
2285	13°	625	25153	57.5	+14	10	7.7	.064	dF6	+ 39.5	b	3	W	
2286		4796	.....	57.7	+20	14	8.6	.154	dG4	+ 37	c	2	W	
2287		4797	25056	57.7	+53	44	7.4	.004	cG2	- 5.3	b	3	W	
2288		4801	25267	57.8	-24	09	4.7	.016	AOp	+ 24.0	a	102	YCd	Orbits *
2289	47'	927	25099	57.8	+47	18	7.3	.012	G8	- 27	e	1	V	
2290	X	Tan	25204	57.9	+12	21	3.5v	.012	B3	+ 14.8	a	217	AMi	IS +20.8 b *
2291		4807	25202	57.9	+18	03	5.8	.138	dFO	+ 25	c	12	VV	SB (181) *
2292	S	Ret	25422	57.9	-61	32	4.4	.014	M2	- 1.4	b	10	LC	*
2293		4811	.....	58.0	f-23	04	7.8	.023	B9n	+ 10	d	4	W	SB (44)
2294		4812	2523G	58.2	+20	04	6.8	.085	gG4	+ 21.2	b	4	W	
2295	62 ^h	643	25090	58.5	+62	17	7.3	.022	B1	- 3	c	4	V	IS -1.1 b
2290	58"	689	25132	58.5	+58	49	8.0	.013	B3	- 16	d	4	W	SB (46)
2297	WW	Tau	281505	58.6	+30	07	9.1v	.....	cK2ev	-110	c	6	W	SR 125 *
2298		4828	25340	59.0	-01	41	5.2	.024	B4n	+ 16	c	15	4	*
2299		4830	25330	59.0	+09	52	5.7	.007	B8	+ 2.7	b	6	V	
2300	1	4834	25322	59.3	+22	17	8.2	.085	dF5	- 13	c	2	L	

General Catalogue of Radial Velocities

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes		
			R.A.	DecL										
			h	m	°	'	//		km/sec					
2301	14° 642	25391	3	59.8	+14	56	8.0	0.048	dGO	- 39	c	2	L	
2302	4849	25329		59.9	+35	09	8.6	2.207	dKO	- 30.0	b	3	W	
2303	4851	25457	4	00.0	-00	24	5.4	0.289	dF7	+ 17.5	a	12	3	*
2304	y Ret	25705		00.2	-62	18	4.5	.026	M5	- 7.0	b	19	LC	*
2305	4856	24894		00.2	+79	29	8.4	.206	dF8	+ 45	c	4	W	
2306	4858	25291		00.3	+59	01	5.1	.002	gF3	- 20.4	a	9	VL	*
2307	55° 845	237213		00.4	+55	52	9.0	.028	cB3	+ 14	c	3	Md	IS -14 c
2308	I Ret	25728		00.5	-61	13	4.8	.111	M0	+ 60.5	a	10	L	
2309	v Tau	25490		00.5	+05	51	3.9	.006	A0	- 5.7	a	17	3	*
2310	28° 614	25461		00.7	+29	04	8.2	.308	K0	- 10.3	b	5	D	
2311	4872	25444		00.7	+39	22	7.2	.170	dG5	+ 23.4	b	3	W	
2312	RX Cam	25361		00.8	+58	32	8.0 _v	.023	cG6 _v	- 35.0	b	13	W	Cep 7.91
2313	RW Tau	25487		00.8	+27	59	8.0 _v	.050	*	- 20	c	141	Md	B9e+K0 *
2314	4874	25274		01.0	+68	33	<i>in</i>	.018	gMO	- 47.0	b	7	DW	*
2315	4876	25558		01.1	+05	18	5.3	.008	B5	+ 12.1	b	15	3	IS +17 c *
2316	4877	25173		01.1	+75	03	7.3	.342	dF5	+ 36.4	b	6	W	
2317	4880	25532		01.2	+23	16	8.3	.142	gF5	-112.5	b	3	W	
2318	4881	25631		01.2	-20	17	6.4	.010	B5n	+ 20	c	6	L	
2319	4883	25570		01.2	+08	04	5.4	.171	dF2	+ 35.6	a	20	5	*
2320	4886	25555		01.4	+23	58	5.7	.014	dF4	+ 17.8	b	4	W	
2321	4888	25661		01.4	-20	18	7.4	.022	cK2	+ 24	c	2	L	
2322	38° 838	25518		01.4	+38	46	8.1	.025	sgF5	- 29	c	2	L	
2323	61° 667	25408		01.5	+61	40	7.9	.023	R8	- 8.6	b	8	WMI	*
2324	4891	25539		01.5	+32	26	6.7	.026	B3	+ 29.9	b	10	LV	IS +10 c *
2325	4892	25621		01.5	+02	42	5.4	.194	dF5	- 17.8	a	12	3	*
2326	4894	25007		01.6	+80	34	5.3	.011	dF1	+ 3.8	a	9	LV	*
2327	4897	25604		01.7	+21	57	4.5	.109	gKO	+ 9.1	a	11	3	*
2328	4898	25443		01.7	+61	58	6.8	.004	BO	- 1.6	b	4	V	IS -8.9
2329	4903	25425		01.9	+65	23	6.1	.038	A2	- 3	c	2	V	
2330	4907	25723		02.0	-12	56	5.7	.018	gKO	+ 31.9	b	3	W	
2331	4913	25680		02.4	+21	53	6.0	.219	dG1	+ 25.6	b	4	WS	*
2332	4919	25616		02.4	+46	47	6.6	.074	A1n	+ 44	c	4	W	
2333	4922	25602		02.7	+53	53	6.4	.115	G6	- 8.0	b	4	D	
2334	MGC 1501	.....		02.7	+60	47	.....	.....	.....	+ 36.9	b	3	L	Em PI.neb
2335	13° 640	25749		02.7	+14	09	7.6	.032	gG9	- 41	c	2	L	
2336	A Per	25642		02.8	+50	13	4.3	.038	AO	+ 6.1	b	13	3	*
2337	CC 279	.....		02.9	+32	50	9.2	1.08	dK4	+112	b	3	W	
2338	25° 674	.....		02.9	+25	40	9.0	0.137	dKO	+ 23.5	b	4	W	
2339	N 1502-7	.....		03.1	+62	11	10.1	.....	B3	- 51	d	3	LW	IS +3 d *
2340	N 1502-8	.....		03.2	+62	12	10.3	.....	B3	- 10	c	5	LW	IS +2 d *
2341	N 1502-5	.....		03.3	+62	12	10.0	.....	B3	- 10	c	3	LW	IS +2 d *
2342	N 1502-6	.....		03.3	+62	10	10.0	.....	B7	- 8	d	2	L	
2343	15° 582	25825		03.4	+15	34	7.8	*Jt25	dG3	+ 36.1	b	3	W	
2344	4931	25639		03.4	+62	12	7.1	.011	BO _n	~ 17.0	b	45	3	IS -4 c *
2345	SZ Cam	25638		03.4	+62	12	7.0 _v	.020	BG _n	- 9	d	22	3	IS -6.8 b *
2346	4933	25799		03.5	+32	15	6.9	.004	B5 _n	+ 20	c	10	V	IS +9.0 b We
2347	4934	25473		03.5	+73	26	6.9	.060	F4	- 28.5	b	5	D	
2348	4935	25921		03.5	-10	26	7.3	.032	gM4	+ 49.4	b	3	L	
2349	4937	25823		03.5	+27	28	5.3	.057	AOp	- 2.0	b	7	VY	*
2350	4938	25945		03.6	-27	47	5.6	.223	A5	+ 60.7	b	6	L	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
2351	N 1502-4	.....	4	03.7	+62	12	9.8	.....	B3	- 23	c	4	LW	IS +1 c *
2352	AG Per	25833		03.7	+33	19	6.5v	0.017	B3+B3	+ 15.8	b	24	V	IS +11.7 b *
2353	v/ Tau	25867		03.9	+28	52	5.3	.084	dF1	+ 9.0	a	13	3	*
2354	51°	861		04.0	+51	19	7.5	.016	B3	+ 4	c	4	V	IS -6 c
2355	19°	820		04.0	-19	39	7.6	.036	cKO	- 12	c	2	L	
2356		4949		04.2	+37	57	7.3	.281	dK2	+ 26.5	b	3	W	
2357		4952		04.4	+69	25	8.1	.300	dK2	- 10.8	b	3	W	
2358	CC 280	.....		04.4	-20	58	9.7	.778	dMO	+ 28	c	3	W	
2359	11°	571		04.4	+12	08	7.4	.055	AOn	+ 22	d	5	W	SB 2-sp
2360		4953		04.5	+43	03	7.1	.104	K2	+ 46	d	1	V	
2361	XX Cam	25878		04.8	+53	14	8.7v	.004	cG1e	+ 15.5	b	5	WV	RCrB *
2362	A 2999A	26015		04.9	+15	02	6.0	.137	dF2	+ 36.1	b	14	4	*
2363	A 2999B	.....		04.9	+15	02	8.7	.....	dG8	+ 40	c	2	W	
2364		4966		04.9	+37	36	6.2	.220	gK1	- 40.2	b	3	W	
2365		4967		05.0	+47	35	4.0	.040	B3ne	+ 3.0	b	18	5	IS +4.9 b *
2366	16°	559		05.1	+16	24	7.5	.025	B9	+ 16	c	6	D	
2367	TX Tau	.....		05.1	+26	28	10.5v	.....	gM5	- 17	c	2	W	SB 40.1
2368		4971		05.1	+17	12	6.2	".019	gK5	- 30.6	b	3	W	
2369		4972		05.2	+59	47	6.5	.006	G5	- 14.3	b	4	D	
2370		4973		05.3	+37	55	5.6	.261	dF7	+ 24.8	b	7	WV	*
2371	56°	884		05.3	+56	58	8.1	.043	cB3	- 26	e	1	W	IS -27 d
2372		4977		05.4	+54	42	6.3	.127	F2	- 5.0	b	4	D	
2373	TV Tau	.....		05.5	+26	44	10.5v	.....	gM6	+ 67	c	3	W	SR 120
2374	13°	647		05.5	+13	24	8.8	".081	dK1	+ 20.4	b	3	W	
2375	25°	678		05.6	+25	45	7.4	.023	K0	- 12.5	b	4	D	
2376	28°	624		05.8	+29	04	8.6	.101	dG2	+ 39	c	7	DW	*
2377	28°	627		06.0	+28	31	9.0	.085	GO	+ 3.1	b	4	D	
2378		4994		06.2	+13	16	6.0	.017	B9	- 25	c	6	D	
2379		4995		06.2	+19	29	5.7	.114	gK1	+ 24.0	a	15	4	*
2380	16°	791		06.8	-16	01	7.7	.046	dG1	+ 15	c	2	L	
2381		5000		06.8	+06	36	6.7	.079	B9	+ 15	c	7	S	
2382		5009		07.0	-16	31	5.4	.010	B5	+ 13.7	b	12	3	IS +6 c *
2383	SW Per	26234		07.4	+42	05	8.2v	.030	gMB	+ 54	c	2	W	SR 85
2384	50°	920		07.7	+51	12	9.5	.....	R3	- 11	c	2	W	*
2385		5018		07.8	+33	27	5.9	".016	cK5	+ 19.9	b	7	DW	*
2386		5020		07.8	+26	21	5.6	.045	dF3	+ 19.0	a	8	LW	*
2387		5022		07.8	+68	22	6.4	.051	•KO	- 23.5	b	4	D	
2388		5023		07.8	+18	18	6.6	.120	dF6	+ 33.0	b	3	WL	*
2389		5027		07.9	-07	03	5.6	.010	gG6	- 9.9	b	6	CW	*
2MO	15°	592		08.1	+15	49	7.2	.011	AOn	+ 10.5	b	3	W	
2391		5029		08.1	+72	00	6.2	.028	G8	- 4.1	b	4	D	
2392		5032		08.2	+16	31	7.0	.004	B6e	+ 32	c	7	D	
2393		5035		08.4	-08	57	5.9	.039	gG9	+ 29.6	b	3	W	
2394		5039		08.6	+76	10	8.2	.251	dK1	+ 10.4	b	6	W	
2395		5042		08.7	+05	24	5.0	.149	dF3	+ 36.6	b	10	WV	*
2396	75"	187		08.8	+75	42	8.6	.001	dF4	- 7	c	4	W	SB 2-sp
2397	42"	916		08.9	+42	47	8.2	.....	dF4	- 31	d	2	L	SB
2398	6	Hor		08.2	-42	07	4.8	.200	FO	+ 37	c	5	L	
2309	41 ^c	8301		09.2	+42	00	7.6	.019	B3ne	+ 3	c	6	D	IS +21 d 3
2400	W	Eri		09*4	-25	16	7.8v	.13	gM7e	+ 26	c	2	W	Em +11 *

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
2401	<i>o</i> Eri	26574	4	09.4	-06	58	4.1	0.088	dF1	+ 11	c	7	LW	*
2402	5061	26546		09.7	+17	09	6.3	.057	gKO	+ 28.4	b	4	D	
2403	YY Eri	.....		09.8	-10	36	8.4 _v	.160	G5+G5	- 20	b	28	Md	EB 0.32 *
2404	5066	26571		09.9	+22	17	"O	.010	B8	+ 8	d	3	S	SB
2405	+0° 711	26623		10.0	+00	38	9.2	.069	dF6	+ 26.0	b	3	W	
2406	16° 570	.....		10.3	+16	38	9.1	.147	dG2	- 6.8	b	3	W	
2407	5079	26605		10.7	+37	50	6.6	.054	G5	+ 29.2	b	4	D	
2408	5087	26677		10.8	+08	46	6.4	.030	A3	+ 7.5	b	4	V	
2409	5089	26690		10.9	+07	35	5.4	.009	dFO	+ 3.8	b	15	4	*
2410	5091	26553		10.9	+57	20	6.1	.010	A2	- 23	c	2	V	
2411	5095	26703		11.0	+12	38	6.5	.034	K0	+ 47.9	b	4	D	
2412	5097	26739		11.1	-01	17	6.3	.007	B5	+ 15	c	4	V	
2413	<i>l±</i> Per	26630		11.2	+48	17	4.3	.024	cG2	+ 7.7	a	?	L	Orb. *
2414	5100	26722		11.2	+09	08	5.0	.037	gG5	- 6.6	a	12	LB	*
2415	54° 751	26596		11.2	+54	51	8.0	.050	sgF9	+ 2	c	2	L	
2416	5103	26673		11.5	+40	22	4.9	.030	cG3	- 2	b	18	L	SB
2417	5104	26710		11.5	+26	08	7.6	.129	G5	- 9.3	b	4	D	
2418	23° 649	26736		11.5	+23	27	8.0	.129	dG6	+ 42	c	4	W	
2419	5106	26737		11.5	+22	20	6.9	.101	dF4	+ 38.4	b	4	W	
2420	5108	.....		11.6	+22	14	8.9	.537	dA8	+339	c	4	W	
2421	14° 673	26756		11.6	+14	30	8.4	.121	dG6	+ 37.4	b	3	W	
2422	12° 566	26767		11.7	+12	19	8.1	.114	dG3	+ 39.1	b	3	W	
2423	10° 551	26784		11.8	+10	35	7.1	.124	dF7	+ 37.1	b	3	W	
2424	21° 608	.....		11.8	+22	10	9.1	.....	gKO	+ 21.5	b	3	W	
2425	5111	26793		11.9	+09	53	5.2	.023	B8	+ 7	c	5	W LY	*
2426	NGC 1535	26847		11.9	-12	52	...	.....	Pd	- 1.4	b	7	L	Em PL neb.
2427	5114	26846		12.0	-10	23	5.1	.160	gK2	+ 6.8	a	8	LC	*
2428	< <i>x</i> Hor	26967		12.3	-42	25	3.8	.209	K1	+ 21.7	a	13	LC	*
2429	5123	26670		12.5	+61	44	5.6	.018	B8	- 2	c	5	V	
2430	10° 875	26932		1*27	-09	47	9.2	.032	A2	+ 66	e	1	L	
2431	5129	26874		12.8	+20	42	7.9	.121	dG7	+ 27.2	b	3	W	
2432	5130	26913		12.8	+06	05	7.2	.156	G3	- 7.6	b	4	D	A 3085B
2433	5132	26764		12.8	+53	29	5.1	.009	A1n	- 3	c	15	4	SB *
2434	SY Per	.....		12.8	+50	30	10.3 _v	.04	Ne	- 1	d	2	W	Em -39 *
2435	31° 737	26842		12.8	+31	35	7.4	.031	dGO	- 25.5	b	3	W	
2436	<i>fi</i> Tau	26912		12.8	+08	46	4.3	.036	B3	+ 18.2	b	21	3	IS +21.9 b *
2437	5135	26923		12.8	+06	04	6.5	.140	GO	- 8.1	b	4	D	A i>085A
2438	62° 669	26717		12.9	+62	28	8.0	.....	dF7	- 15	c	2	L	
2439	5137	26911		12.9	+15	17	6.4	.123	dF4	+ 36.9	b	14	3	*
2440	A 3093A	26965		13.0	-07	44	4.5	4.079	dKO	- 42.4	a	14	3	40 Eri *
2441	A 3093B	26976		13.0	-07	44	9.6	4.070	wA	- 42	d	6	WMd	*
2442	A 3093C	.....		13.0	-07	44	11.1	.....	dM4e	- 45	e	3	W	*
2443	5139	26755		13.0	+57	44	5.8	0.047	gK2	- 38.3	b	9	VW	
2444	15° 604	.....		13.1	+15	41	9.5	.078	gKO	+ 55.9	b	3	W	
2445	21° 612	.....		13.6	+21	47	9.0	.119	dG8	+ 40	c	2	W	
2446	SX Per	.....		13.6	+41	37	11.5 _v	.....	.....	+ 6	c	6	W	Cep 4.29
2447	AR Per	.....		13.6	+47	16	TQ_v	.....	F6	- 12	c	6	MdW	RR 0.43 *
2448	5158	26906		13.7	+46	06	8.8	>G06	B3ne	- 14	d	5	D	IS -1 c
2449	15° 754	27064		13.8	-15	03	8.1	.054	gG9	- 6	c	4	W	
2450	a Ret	27256		13.8	-62	36	3.4	.064	G5	+ 35.0	a	16	CL	*

Cat. No.	Star	HJD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
2451	50° 966	232932	4	13.8	+50	50	9.3	0.030	B5	- 8	d	2	Md	IS +10 e
2452	19° 689	27028		14.1	+19	33	7.6	.092	dF5	- 3.2	b	3	W	
2453	5167	27304		14.1	-62	19	5.4	.088	K1	+ 36.4	b	3	L	
2454	5170	27089		14.3	+04	25	8.6	.172	dF9	+ 60.3	b	3	W	
2455	oo Tau	27045		14.3	+20	27	4.8	.072	A5	+ 15.7	a	17	4	*
2456	18° 613	.....		14.4	+19	14	9.0	.082	dKO	+ 4	c	3	W	
2457	5174	26961		14.5	+50	10	4.6	.075	A2	+ 19.8	a	70	3	Orbits *
2458	y Dor	27290		14.7	-51	37	4.4	.211	F5	+ 27.0	b	11	LC	*
2459	5180	26684		14.7	+75	59	6.6	.031	B5n	+ 6	c	4	V	
2460	.....	27108		14.8	+26	13	10.2	.....	R4	- 81	c	2	W	
2461	16° 577	27130		14.8	+16	50	8.3	.111	dG6	+ 37.7	a	23	W	Orb. Sanford
2462	21° 617	27129		14.9	+22	14	8.2	.006	sgF5	+ 15	c	2	L	
2463	5183	27179		14.9	-06	36	6.1	.020	gG5	- 1.7	b	3	W	
2464	17° 703	27149		15.1	+18	08	7.4	.118	dG3	+ 44	c	4	W	
2465	5189	27176		15.4	+21	28	5.6	.106	dA8n	+ 35.4	b	12	W	*
2466	5191	27084		15.5	+49	56	5.5	.085	A5	- 16.5	b	3	Y	
2467	15° 609	.....		15.5	+15	58	9.5	.117	dK2	+ 41	c	5	W	
2468	€ Bet	27442		15.6	-59	25	4.4	.174	sgK5	+ 29.3	a	10	LC	*
2469	5195	27236		15.7	+09	22	6.5	.039	A2	+ 28	c	2	V	
2470	5198	27325		15.9	-14	46	6.9	.031	gG6	+ 14.9	b	3	W	
2471	5199	27022		15.9	+65	01	5.4	.027	gG3	- 18.5	a	3	L	
2472	5201	27376		16.0	-33	55	3.6	.062	B9	+ 17.6	a	61	L	Orb. Paddock
2473	19° 694	27250		16.0	+19	47	8.5	.107	dG9	+ 40	c	2	W	
2474	AS Per	.....		16.1	+48	50	10.0v	.....	K	- 26	e	6	W	Cep 4,97
2475	17° 707	27282		16.2	+17	24	~ O	*.091	dG6	+ 40	c	2	W	
2476	5207	27192		16.4	+50	48	5.5	.009	B4n	- 18	d	7	3	*
2477	5208	26356		16.4	+83	42	5.4	.016	B5n	- 7	c	13	3	*
2478	5210	27295		16.5	+21	01	5.4	.054	A1	+ 10	c	12	3	*
2479	GM Per	.....		16.5	+41	02	10.8v	.....	N	- 2	d	1	W	P355
2480	5216	27309		16.6	+21	39	5.3	*.052	AOp	+ 12.4	b	8	3	*
2481	TW Cam	.....		16.7	+57	19	10.4v	.....	cG4v	- 50	c	6	W	RV 85.6 *
2482	5220	27278		16.8	+41	41	"S3	*.030	gG5	+ 24.1	b	6	W	*
2483	RW Per	276247		16.8	+42	12	9.9v	.....	*	+ 6.5	a	55	Md	A5e+gG0 *
2484	5221	27386		16.9	+10	00	6.6	.038	K2	- 27.2	b	4	D	
2485	5223	27372		16.9	+14	09	7.8	.209	gK1	- 17.1	b	5	WL	*
2486	y Tan	27371		16*9	+15	31	3.7	.120	gG9	+ 38.5	a	29	4	*
2487	5227	27349		17.0	+31	50	6A	.012	K5	- 17.7	b	4	D	
2488	42° 939	27293		17.0	+43	07	7.4	.036	dK5	+ 1	c	2	V	
2489	23° 675	27370		17.0	+23	29	7.2	.137	gG5	+ 8.3	b	3	W	
2490	5230	27383		17.0	+16	24	6.9	.124	dF7	+ 36.8	b	7	W	
2491	5234	27397		17.1	+13	55	5.5	.118	dF1n	+ 42	c	10	W	SB *
2492	5235	27348		17.2	+34	27	5.1	.022	gG9	- 27.4	b	3	L	
2493	5238	27292		17.2	+50	08	7.3	.008	K2	- 18	d	2	V	
2494	t Tan	27382		17.3	+27	14	5.1	.082	gK1	+ 3.2	a	5	L	
2495	15* 765	27467		17.3	-15	17	8.9	.029	gFO	+ 22	c	4	W	
24S0	i 18 ^C 623	27406		17*3	+19	07	7.3	.125	dF9	+ 39.2	b	3	W	
2497	70' 294	27135i		17.4	+70	43	8.2	» * .	gP4	+ 17	c	2	L	
2498	5244	27245i		17.4	+S0	37	5.7	.121	gMO	+ 28.5	b	3	W	
2499	5246	27429i		17.5	+18	37	6.1	.119	dF2	+ 42.0	b	15	W	*
25S8	5248	27518		17.6»	-25	09	6.9	.032	gK5	- 213	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
2501	4° 800	27486	4	17.7	-04	37	9.0	0.013	G5	+ 59	d	1	L	
2502	5250	27588		17.7	-44	23	5.1	.072	K2	+ 23.5	b	4	L	
2503	5251	27498		17.7	-02	45	7.3	.025	gM4	+ 86	c	2	L	
2504	4° 801	27485		17.7	-03	52	8.0	.295	dG2	- 35.8	b	3	W	
2505	5252	27459		17.8	+14	59	5.2	.113	sgA8n	+ 36.2	b	20	3	*
2506	5253	27322		17.8	+56	23	5.9	.019	A2	- 18	d	4	V	
2507	5256	27396		17.9	+46	23	4.9	.045	B4	+ 1.3	b	8	LY	IS +4.6 b *
2508	5259	27497		18.0	+06	01	5.9	.051	gG6	+ 6.9	b	6	W	
2509	5260	27483		18.1	+13	45	6.2	.118	dF3	+ 37.0	b	10	WD	*
2510	5261	27505		18.1	+09	06	6.4	.069	A3	+ 39	c	2	V	
2511	5265	26836		18.2	+80	43	5.6	.022	gG6	- 9.1	b	3	W	
2512	5269	27598		18.4	-16	57	7.3	.033	cM5	+ 98.9	b	4	L	
2513	5270	27616		18.5	-20	45	5.3	.029	A1n	+ 32.3	b	10	3	*
2514	5271	27524		18.6	+20	55	6.7	.113	dF3	+ 37.1	b	3	W	
2515	29° 700	27514		18.6	+30	05	8.8	.032	gG6	- 25.5	b	3	W	
2516	5273	27534		18.6	+18	18	6.7	.111	dF5	+ 37.0	b	4	W	
2517	5276	27402		18.7	+59	30	6.2	.050	A0	+ 12	c	2	V	
2518	14° 665	27561		18.7	+14	44	10.1	.135	dG6	+ 47	c	4	W	
2519	5277	27561		18.8	+14	18	6.6	.120	dF4	+ 37.7	b	7	DW	
2520	5279	26659		18.8	+83	14	5.7	.118	gG4	- 37.7	b	3	W	
2521	RY Tau	27659		18.8	+28	20	8.8v	.....	dGOe	+ 26.2	b	9	W	Em -8 RW
2522	13° 667	27579		19.0	+13	28	7.3	.040	A4	+ 10.6	b	5	D	
2523	5° 636	27610		19.0	+05	16	9.0	.025	gFO	+ 22.9	b	4	W	
2524	T Tau	284419		19.1	+19	25	9.5v	.039	dG5e	+ 24.6	b	14	W	Em +19 RW
2525	5287	27628		19.2	+13	58	5.6	.117	dA6	+ 41.2	b	11	W	SB *
2526	5289	27639		19.4	+20	42	6.1	.004	gMO	- 9.0	b	3	W	
2527	5290	27710		19.4	-25	51	5.9	.066	dF2	+ 24	d	1	W	
2528	X Tau	27638		19.5	+25	31	5.4	.030	AOn	+ 20	c	7	WL	*
2529	5300	27685		19.9	+16	40	7.7	.145	dG4	+ 33	c	2	W	
2530	5301	26367		19.9	+85	25	6.7	.033	dF8	- 47.0	b	6	W	
2531	13° 671	27691		19.9	+14	07	10.1	.107	dG2	+ 39	c	2	W	
2532	A 3169A	27691		19.9	+14	56	6.9	.111	dF9	+ 37.9	a	15	W	Orb. Sanford
2533	A 3169B	27691		19.9	+14	56	8.7	.....	dG1	+ 39	d	1	W	
2534	31° 769	27697		20.0	+32	05	8.8	.104	dF6	+ 79.9	b	3	W	
2535	6 Tau	27697		20.0	+17	26	3.8	.114	gG8	+ 38.4	a	28	5	*
2536	RW Eri	27731		20.1	-05	37	10.2v	.....	gM6	+107	c	4	W	SR 91.4
2537	5313	27731		20.5	+24	17	7.0	.106	dF5	+ 34.1	b	3	WL	*
2538	21° 635	27732		20.5	+21	16	8.7	.105	dG8	+ 38	c	2	W	
2539	19° 708	27732		20.5	+19	33	9.2	.101	dG6	+ 36	c	2	W	
2540	15° 616	27732		20.5	+15	38	10.5	.130	dK6	+ 48	c	2	W	
2541	5315	27749		20.5	+16	40	5.6	.111	A4	+ 35.0	b	19	PmV	Orb* Harper
2542	14° 691	27771		20.7	+14	33	9.0	.107	dG9	+ 44	c	2	W	
2543	5322	27778		21.0	+24	11	6.2	.014	B6	+ 13	c	7	W	
2544	5325	27820		21.1	+09	21	5.1	.016	A3	- 3.5	b	11	4	*
2545	5326	27770		21.2	+34	12	7.0	.039	B9n	+ 10.6	b	7	S	
2546	5327	27861		21.2	-03	52	5.2	.075	A1	- 1!	c	14	4	*
2547	5328	27819		21.2	+17	20	4.7	.119	dA6n	+ 37.5	b	26	VY	*
2548	5330	27808		21.3	+21	37	7.2	.127	dPS	* 34	c	2	W	
2549	29° 706	27787		21.3	+30	01	9.0	.037	A1n	, 24	c	4	W	
2550	10° 589	27835		21.3	+16	16	8.1	.086	dGO	+ 38.9	b	3	W	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	"	km/sec						
2551	6 Men	28525	4	21.3	-80	20	5.6	0.071	KOp	- 20	c	3	L	
2552	7j Ret	28093		21.3	-63	30	5.2	.189	G7	+ 45.0	a	9	L	
2553	5335	27786		21.4	+33	51	5.8	.088	dF5	- 31.8	b	9	VW	*
2554	17° 715	.....		21.4	+17	54	9.8	.111	dK5	+ 46.4	b	3	W	
2555	14° 693	27836		21.4	+14	39	7.5	.111	dGO	+ 38.4	b	3	W	
2556	53° 765	232947		21.5	+53	18	9.6	.023	B0	- 48	e	2	Md	IS -21 c
2557	17° 716	.....		21.5	+17	20	10.0	.028	£K2	+ 1.6	b	3	W	
2558	16° 591	27848		21.5	+16	58	7.0	.103	dF4	+ 43.2	b	3	W	
2559	5339	27859		21.6	+16	46	7.6	.119	dGO	+ 44.0	b	3	W	
2560	45° 931	27795		21.8	+46	03	7.2	.007	B3	- 21	c	4	V	IS +10 c *
2561	SW Tau	.....		21.9	+04	01	9.3v	.....	cFOv	+ 17.0	b	15	W	Cep 1.58 *
2562	5344	27901		22.0	+18	56	TO	.119	dA9n	+ 36.6	b	4	W	
2563	16° 593	.....		22.1	+16	51	10.4	.088	dK4	+ 42.6	b	3	W	
2564	5349	28028		22.2	-34	08	4.1	.076	M1	+ 24.1	a	15	LC	*
2565	5350	27934		22.4	+22	11	4.1	.113	dA5n	+ 40.1	b	19	3	*
2566	5351	27946		22.4	+22	05	5.2	.128	dA6n	+ 32	c	10	3	*
2567	6 Tau	27962		22.6	+17	49	4.2	.116	A3	+ 34.7	b	13	4	*
2568	57° 798	27816		22.6	+58	08	8.1	.067	sgF7	+ 11	c	2	L	*
2569	5356	27991		22.8	+15	50	6.4	.113	dF6	+ 36.4	b	7	SW	*
2570	23° 692	27972		22.8	+23	28	8.9	.082	dF9	+ 28	c	3	W	
2571	5358	27855		22.9	+57	28	6.2	.023	A0	- 1.1	b	3	V	
2572	18° 636	27989		22.9	+18	45	7.3	.128	dG4	+ 41.0	b	5	WL	*
2573	17° 721	27990		22.9	+17	55	9.0	.098	dKO	+ 38	c	2	W	
2574	5359	27971		22.9	+31	20	5.3	.141	gG6	+ 27.5	b	6	LW	*
2575	17° 722	28007		23.D	+17	20	7.6	.049	gF2	+ 30	c	4	W	
2576	5367	28034		23.2	+15	25	7.3	.116	dF7	+ 41.1	b	5	W	
2577	4° 690	28069		23.3	+05	02	7.2	.104	dF6	+ 31.6	b	3	W	
2578	V Tau	28024		23.3	+22	42	4.2	.118	A4n	+ 35.1	b	49	3	*
2579	5372	28033		23.3	+21	22	7.2	.111	dF9	+ 42	c	4	W	SB
2580	5375	28052		23.5	+15	30	4.4	.116	A4n	+ 41.4	b	31	3	SB (109) *
2581	16° 598	28068		23.5	+16	44	7.8	.100	dG2	+ 43.5	b	4	W	
2582	5378	28114		23.6	+08	29	6.0	.014	B5	+ 14	c	5	V	
2583	5382	28005		23.8	+46	45	6.7	.321	dG3	+ 38.6	b	3	W	
2584	16° 601	28099		23.8	+16	38	7.9	.102	dG2	+ 40.8	b	3	W	
2585	T Tau	28100		23.8	+14	36	4.9	.033	gG6	+ 31.8	a	7	LB	*
2586	-0° 702	28159		23.9	-00	37	7.5	.028	cM1	- 6.5	b	4	L	
2587	5389	28139		24.1	+19	00	7.9	.165	dF5	+ 41.3	b	3	W	
2588	5392	28150		24.2	+18	06	6.7	.016	A1	+ 19.5	b	6	D	
2589	5396	28149		24.3	+22	53	5.4	.019	B6	+ 5	c	12	3	*
2590	5398	28413		24.4	-01	21	5.6	.032	K5	- 19	c	2	L	
2591	5399	28191		24.4	+01	58	6.4	.079	K0	+ 21.4	b	4	D	
2592	13 ^s 684	.....		24.6	+14	08	10.4	.118	dK5	+ 38	c	2	W	
2593	15 ^G 627	28205		24.7	+15	29	7.3	.107	dF8	+ 40.5	b	3	W	
2494	14° 699	.....		24.9	+14	18	9.5	.106	dK3	+ 46.2	b	3	W	
2595	5411	27757		25.0	+77	31	7.8	.247	dF9	+ 38.0	b	3	W	
2596	11° 614	28237		25.0	+11	38	7.3	.130	dGO	+ 43	c	2	W	
2597	5412	28226		25.0	+21	31	5.6	.105	dA8n	+ 36.2	b	11	VW	*
2598	13° 685	28258		25.2	+13	45	8.8	.115	dKO	+ 42	c	2	W	
2599	+0" 762	28323		25.4	+00	16	9.5	.014	G	+ 17	d	1	L	
2600	5421	28322		25.5	+01	45	6.1	.028	gG8	+ 29.6	b	7	DW	*

Cat. No.	Star	ED. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			<i>h</i>	<i>m</i>	<i>°</i>	<i>'</i>		km/sec						
2601		5425	28294	4 25.6	+14	38	5.8	0.109	dFOne	+ 44.2	b	12	VW	*
2602	R	Tau	28309	25.6	+10	03	7.4v	.019	gM5e	+ 32	c	2		Em +19 c *
2603		5427	28292	25.6	+16	15	5.3	.028	gK1	+ 17.7	b	13	W	*
2604	19°	727	28291	25.7	+19	38	8.4	.120	dG7	+ 36	c	2	W	
2605	€	Tau	28305	25.7	+19	04	3.5	.118	gG8	+ 38.6	a	19	4	*
2606		5431	28271	25.7	+30	15	6.5	.027	dF4	- 36.6	b	11	DW	*
2607		5433	28307	25.7	+15	51	3.9	.114	gQ8	+ 40.0	a	17	5	*
2608	18°	848	28387	25.7	-17	57	7.5	.017	cK5	+ 26	c	2	L	
2609		5436	28319	25.8	+15	46	3.3	.108	gA7	+ 39.5	a	78	V	Orb. Petrie *
2610	16°	606	28344	25.9	+17	11	7.6	.107	dG1	+ 41.0	b	3	W	
2611		5441	28375	25.9	+01	16	5.5	.026	B8	+ 18	c	16	SL	SB *
2612	21°	652	28343	26.0	+21	48	9.0	.206	dM1	- 36	c	3	WMd	*
2613		5443	28355	26.0	+12	56	4.9	.112	dA6n	+ 33.4	b	11	3	*
2614	RY	Cam	28168	26.1	+64	20	8.0v	.045	gM4	- 23	b	5	W	SR
2615		5445	28363	26.1	+16	03	6.5	.111	dF7	+ 45	c	4	W	SB
2616		5447	28354	26.2	+27	18	6.6	.029	A0	+ 20	c	6	D	
2617	2°	720	28395	26.2	+02	16	8.2	.109	dF3	- 37	c	3	L	
2618	GI	Per	.....	26.3	+39	45	9.0v	.....	N	+ 9	c	2	W	Irr
2619	26°	722	.....	26.4	+26	34	9.0	.096	dG8	+ 36.8	b	3	W	
2620	17°	731	28394	26.4	+17	26	6.9	.101	dF8	+ 34.8	b	3	WL	*
2621	S	Tau	.....	26.4	+09	50	8.7v	.....	gM7e	+ 40	c	4	W	Em +26 c *
2622		5449	28479	26.4	-19	34	6.1	*.090	gK1	+ 26	c	4	W	
2623	RV	Cam	28257	26.5	+57	18	7.9v	.036	gM6	- 21	d	2	W	SR 108
2624		5455	28406	26.6	+17	45	6.8	.113	dF7	+ 34.6	b	3	WL	*
2625	15°	634	.....	26.6	+16	08	10.4	.097	dK5	+ 45	c	2	W	
2626	17°	734	.....	26.6	+17	47	8.9	.118	dG8	+ 44	c	2	W	
2627	13°	688	28424	26.7	+13	47	7.8	.153	gK2	+ 96.3	b	6	W	
2628		5458	2^497	26.8	-13	09	5.5	.005	B3ne	+ 12	c	4	L	
2629	4°	696	28487	27.0	+05	03	7.2	.030	cM3	- 6	c	2	L	
2630	16°	609	28462	27.1	+16	33	9.0	.109	dKO	+ 41	c	2	W	
2631	UX	Tau	285846	27.1	+18	07	10.7v	.....	dG5e	+ 24	c	8	W	Em +18 RW
2632		5465	28447	27.2	+28	01	6.6	.190	G3	+ 23.5	b	4	D	
2633		5467	28485	27.3	+15	32	5.5	.108	A3n	+ 30	c	24	4	SB *
2634		5468	28505	27.3	+10	09	6.6	.065	G8	- 63.0	b	4	D	
2635		5469	28416	27.3	+44	30	7.1	.057	K0	- 48	d	1	V	
2636	13°	689	28486	27.3	+14	12	8.0	.080	dF7	- 49	c	2	L	
2637		5470	28483	27.4	+19	44	6.9	.101	dF5	+ 38	c	2	W	
2638		5472	28459	27.4	+32	21	6.2	.012	B9	+ 20	c	6	D	
2639		5478	28204	27.7	+72	25	6.0	.086	A5	+ 9.9	a	18	V	Orb. Harper
2640		5480	28527	27.7	+16	05	4.7	.112	sgASn	+ 37.5	a	40	3	*
2641	53°	778	232971	27.7	+53	43	9.5	.023	B5ne	- 37	e	1	Md	IS 0 e
2642	15°	638	28545	27.8	+15	38	8.8	.098	dG8	+ 36	c	2	W	
2643		5482	28546	27.8	+15	35	5.4	.105	dA7	+ 39.3	b	13	3	*
2644		5483	28556	27.8	+13	37	5.3	.109	dF1	+ 38.8	b	15	4	*
2645		5487	28568	27.9	+16	02	6.4	.110	dF2	+ 43.0	b	3	W	
2646	A	3274B	.....	28.0	+53	48	6.6 i	*016	B1	- 1.0	a	26	3	IS +3.0 b *
2647	A	3274A	28446	28.1	+53	48	5.9	.004	B2	- 7	c	21	3	IS -2.8 b *
2648	10*	588	28608	28.2	+10	39	6.8	.118	dF6	+ 37.4	b	3	W	
2649		5495	28595	28.3	+15	00	6.6	.066	gM3	+ 38.3	b	3	W	
2650	19*	733	28593	28.3	+20	02	8.4	.092	dG6	+ 40	c	2	W	

Cat. No.	Star	ED. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			J.R.A.	Decl.										
			h	m	°	'	//	km/sec						
2651	29° 716	28592	4	28.4	+29	50	8.4	0.038	dFO	+ 30	c	4	W	
2652	13° 691	28635		28.7	+13	48	7.5	.098	dF9	+ 43	c	2	W	
2653	XZ Tau	.....		28.8	+18	08	10.4v	.....	G5	+109	e	1	W	Em +32 3 RW
2654	5517	28677		29.0	+15	45	6.0	.108	dFO _n	+ 36	c	13	3	SB *
2655	8 Cae	28873		29.3	-45	04	5.2	.006	B3	+ 15.0	a	12	L	
2656	5528	28749		29.3	-00	09	5.0	.007	gK4	+ 16.6	a	8	LW	*
2657	5531	28736		29.4	+05	18	6.4	.113	dF3	+ 40.3	b	8	DW	*
2653	.....	.....		29.6	+36	05	10.8	.....	gG8	+ 34	c	3	W	
2659	III ^d Tan	.....		29.6	+25	46	11.7v	.....	G5	.....	.	7	W	Em -5 RW
2660	5539	28693		29.8	+42	56	"~O	.068	sgA8	+ 2.2	b	11	VW	*
2661	5541	28704		29.9	+42	58	6.1	.008	dF1	- 23	c	6	W	
2662	IS" 646	28783		30.0	+15	54	8.8	.111	dKO	+ 43	c	2	W	
2663	15 ^C 647	28805		30.1	+15	43	8.4	.108	dG7	+ 39.4	b	3	W	
2664	16° 620	28878		30.8	+16	40	9.3	.102	dKO	+ 43	c	2	W	
2665	15 ^C 649	28888		30.8	+15	51	8.5	.094	dG2	+ 56.6	b	3	W	
2666	5556	28911		31.0	+13	09	6.5	.115	dF3	+ 35	c	3	W	
2667	p Tau	28910		31.0	+14	44	4.6	.106	dA5 _n	+ 37.5	b	21	3	*
2668	5560	28930		31.1	+09	19	6.2	.039	G8	- 26.4	b	4	D	
2669	14* 721	.....		31.1	+15	04	8.4	.107	dK2	+ 37.6	b	3	W	
2670	14 ⁿ 722	.....		31.5	+14	52	8.6	.039	gK5	- 23.4	b	3	W	
2671	5569	29009		31.5	-06	51	5.7	.004	B9	+ 1.7	b	6	W	
2672	5570	28978		31.5	+05	28	5.8	.022	A3	- 7.2	b	3	W	
2673	5571	28929		31.5	+28	52	5.7	.026	B9	+ 13	c	6	V	
2674	5572	29085		31.5	-29	52	4.6	.294	gG6	+ 20.3	a	8	LC	*
2675	15" 650	28977		31.6	+15	43	9.5	.122	dKO	+ 40	c	2	W	
2676	5574	28780		31.7	+64	10	5.9	.025	A2	- 15.7	b	4	W	
2677	15 ^C 651	28992		31.7	+15	24	7.8	.106	dG2	+ 42	c	2	W	
2678	27 ^s 667	.....		31.8	+27	55	9.0	.108	dF3	+ 32.8	b	3	W	
2679	5576	29064		31.8	-08	20	5.4	.028	gM3	- 12.1	a	13	3	*
2680	5577	29065		31.8	-09	04	5.5	.115	gK5	- 26.9	a	12	3	*
2681	CC 296	.....		32.0	+55	19	8.0	.643	dK4	+ 50.4	b	3	W	
2682	5534	29038		32.1	+16	54	7.4	.078	gK4	+ 42.9	b	6	W	
2683	4 711	29070		32.1	+04	57	9.3	.033	F5	+ 26	d	1	L	
2084	5589	29103		32.7	+19	52	7.2	.054	dF8	+ 12.0	b	3	W	
2685	5591	29104		32.8	+19	47	6.6	.018	F8	- 2	d	8	D	SB (150)
2686	5599	29140		32.9	+10	04	4.4	.072	A3	+ 29.0	a	97	3	SB *
2687	a Dor	29305		32.9	-55	09	3.5	.051	AO _p	+ 25.6	a	6	L	
2688	R Ret	29383		33.0	-03	08	8.5v	.040	gM4 _e	+ 26	c	2	L	Em +18 *
2689	a Tau	29139		33.0	+16	25	O	.202	gK5	+ 54.1	a	238	12	*
2610	5609	29094		33.2	+41	10	4.5	.021	cG2	+ 4.7	a	52	W	Orb. Sanford
2191	15° 654	29159		33.2	+15	35	9.2	.108	dG9	+ 43	c	2	W	
2S92	5611	29169		33.5	+23	14	6.0	.131	dF2	+ 43.3	b	7	SW	*
2S33	5612	29227		33.5	-03	43	6.3	.013	B9	+ 20	c	4	S	IS +7 c
2694	V Eri	29291		33.6	-30	40	3.9	.055	K0	- 4.0	a	12	LC	*
2195	CC 298	232979		33.7	+52	48	3.5	.541	dM1	+ 36.2	b	6	W	
2690	5618	29225		33.8	+15	46	6.6	.111	dF5 I	+ 33.7	b	3	W	
2697	v Eri	29243		33.8	-03	27	4.1	.001	B2	+ 14.9	b	83	4	IS +16 c *
2898	27 ^r 873	29224		34.0	*27	50	7.4	.020	B8	- 2	c	7	D	
28m	25 ^c 720	29246		34.3	+25	38	7.8	.062	K2	+ 38.1	b	5	D	
Z1Q0	SZ Taa	29110		34.3	+18	27	0.9y	.016	cF8v	- 3.2	a	30	L	Cep 3.15 *

Cat. No.	Star	HLD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'			km/sec						
2701		5624	29203	4	34.4	+46	08	7.1	0.030	KQ	- 6	d	1	V	
2702	41°	920	29235		34.6	+42	02	7.6	.089	gK2	+ 16	c	4	WV	*
2703		5627	29335		34.6	+00	54	5.3	.005	B5	+ 24	c	9	3	*
2704		5629	29310		34.7	+15	03	7.4	.107	dGO	+ 40.2	b	3	W	
2705		5633	29309		35.0	+31	54	7.1	.022	B3	+ 18.4	b	4	V	IS +11.1 We
2706		5635	29391		35.1	-02	34	5.3	.072	A4	+ 21.0	b	13	4	*
2707	T	Cam	29147		35.2	+66	03	6.4v	.026	Se	- 2	d	1	W	Em -19 *
2708		5642	29376		35.2	+07	13	6.9	.015	B5	+ 25.3	b	20	V	IS +21 c *
2709		5643	29375		35.3	+15	56	5.7	.101	dA8n	+ 38.4	b	10	W	*
2710		5644	29365		35.3	+20	35	5.7	.016	B9	- 14	d	4	V	SB (59)
2711		5645	29 388		35.4	+12	25	4.2	.100	dA5n	+ 45	c	35	4	SB *
2712		5647	29297		35.4	+42	09	7.0	.037	K2	+ 3	d	1	V	
2713	K	24-1035	.....		35.4	+46	38	10.7	.....	B4	- 31	e	2	Md	IS -14 c
2714	A	3353sp	29364		35.4	+26	51	7.2	.076	dF3	+ 3.5	b	29	W	SB
2715	A	3353nf	.....		35.4	+26	51	7.2	.....	dF2	+ 4	c	4	W	
2716	15°	662	29387		35.4	+15	21	9.8	.080	gK4	+ 43	c	2	W	
2717	11°	916	.....		35.4	-11	08	10.9	.29	dML	- 13	c	2	W	
2718	RX	Tau	29411		35.5	+08	14	9.3v	.....	gM7e	- 22	b	3	W	Em -36.4 *
2719	22°	721	29419		35.8	+23	03	8.4	.147	dF7	+ 40	c	2	W	
2720	7°	678	29441		35.9	+08	05	8.0	.009	B3e	- 19	c	8	L	IS -12.6 b
2721		5657	29503		35.9	-14	24	4.0	.174	gK4	+ 41.8	b	29	3	*
2722		5658	29317		36.0	+52	59	5.3	.014	gG6	- 40.5	b	42	O	Orb. Cannon
2723		5659	29316		36.0	+53	23	5.4	.105	dA5n	+ 20	c	12	3	*
2724	AV	Per	.....		36.1	+41	32	13.0v	.....	N	+ 51	c	2	W	Irr
2725	13°	702	29461		36.1	+14	00	7.9	.089	dG4	+ 40	c	2	W	
2726	R	Dor	29712		36.2	-62	11	7.1v	.109	gM7	+ 26.1	b	3	L	Em +23.5 b *
2727		5662	29479		36.3	+15	42	5.2	.084	dA5	+ 18.8	b	13	4	*
2728		5663	29459		36.3	+25	07	6.3	.022	A3n	+ 21	c	6	SV	*
2729		5665	29499		36.4	+07	46	5.3	.089	dA9	+ 36.3	b	14	3	*
2730		5666	29488		36.4	+15	49	4.6	.089	dA5n	+ 36.9	b	25	3	*
2731		5669	29573		36.6	-12	13	5.0	.055	A2	+ 6.5	b	15	4	*
2732	4°	895	29563		36.7	-04	48	9.1	.033	A0	- 27	e	1	L	
2733	26°	732	.....		36.8	+27	05	9.2	.....	A0	+ 6	d	3	W	SB (60)
2734		5678	29613		37.0	-14	27	5.6	.175	sgK1	+ 56	c	4	W	
2735		5679	29487		37.0	+44	00	7.3	.016	B8	+ 8	c	6	D	
2736	23°	722	.....		37.1	+23	13	9.2	.093	dG8	+ 39.5	b	3	W	
2737		5681	29537		37.2	+29	53	6.9	.058	F1	+ 24.8	b	4	D	
2738		5684	29589		37.3	+12	06	5.4	.009	B9n	+ 23	c	8	3	*
2739	30°	704	29581		37.6	+30	12	8.1	.045	dF5	+ 9.2	b	3	W	
2740	16°	640	29608		37.6	+16	26	9.3	.095	dK3	+ 41	c	3	W	
2741		5687	29526		37.7	+48	12	5.7	.064	B9E	+ 23.1	b	9	WV	*
2742	23 ^U	723	29621		37.8	+23	43	a 8	.095	dG6	+ 32	c	3	W	
2743		5688	29400		37.8	+66	38	3.6	.384	dG5	- 52.0	b	3	W	
2744		5690	29737		33»0	-24	85	5.6	.070	gG6	- 18	c	9	LW	SB *
2745		5692	29587		38.1	+42	02	7.3	.687	dG2	+112.6	b	7	W	
2740		5694	29646		38.2	+28	31	5.7	.053	Aln	+ 25.2	b	13	3	*
2747		5695	29755		38.3	-19	46	4.5	.097	gM4	- 33.6	a	12	3	*
2748	78"	161	29146		38.3	+79	04	8.1	.....	4F4	- 7	d	2	L	
2749		5701	29045		38.4	+38	11	9.8	"260	dG3	+ 40.6	b	4	VW	*
2750	19°	754	.....		38.5	+20	09	9*7	.083	gCB	+ 30.6	b	3	W	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M. μ	Spec.	Vel. km/sec	Q	No. PL	Obs.	Notes
			R.A.	Decl.								
			h m	°								
2751	28° 681	.....	4 38.6	+29 07	9.2	0.084	gK5	+ 2.5	b	3	W	
2752	56° 964	29599	38.8	+57 07	8.0	.056	dF6	- 40.1	b	3	W	
2753	a Cae	29875	38.9	-41 58	4.5	.168	F1	- 1.3	a	20	LC	*
2754	5709	29606	39.0	+59 26	6.5	.061	A5n	+ 10.2	b	4	D	
2755	5711	29329	39.0	+76 31	6.5	.151	F5	- 5.7	b	5	D	
2756	1° 697	29789	39.0	-00 50	8.4	.117	gF5	+ 35.7	b	3	W	
2757	X Cam	29384	39.2	+75 01	7.3v	.....	gM3e	0	b	3	W	Em -5.8 *
2758	5715	.....	39.2	+22 51	7.8	.029	A0	+ 14.5	b	3	W	
2759	r Tan	29763	39.2	+22 52	4.3	.016	B5	+ 14.6	b	104	W	Orb. Parker *
2760	5719	29722	39.4	+43 16	5.2	.067	A0	+ 9	c	13	4	*
2761	19° 762	.....	39.7	+20 08	9.6	.092	A0	- 5	c	4	W	
2762	33° 892	29785	39.8	+33 52	7.5	.006	G7	- 5	d	1	V	
2763	CC 303	.....	39.9	+18 53	9.9	1.38	dM3	+ 29	c	7	WMd	*
2764	5731	29836	39.9	+18 38	7.1	0.142	dG5	+ 14.5	b	3	W	
2765	5735	29859	40.2	+24 00	6.2	.030	dF6	+ 7.7	b	10	WS	*
2766	& Cae	29992	40.3	-37 14	5.1	.197	F0	+ 30.9	b	5	L	
2767	5745	29936	40.4	-00 41	7.8	.108	dF9	+ 3	d	2	L	
2788	5749	29867	40.6	+32 46	6.4	.053	A3	0	d	2	V	
2769	5752	29866	40.7	+40 42	6.1	.011	B4ne	+ 41	c	5	V	IS +4 c
2770	50' 1043	232999	40.8	+50 27	9.8	.030	cB2	+ 1	d	2	Md	IS -15 d
2771	5755	29882	41.0	+44 41	7.8	.044	dA6n	+ 24	c	3	W	
2772	C 607	29713	41.2	+70 00	8.8	.122	dKO	+ 12.9	b	3	W	
2773	A 3409B	30020	41.2	-08 53	6.8	.023	dF3	+ 40.0	b	3	W	
2774	A 3409A	3Q021	41.2	-08 53	6.7	.038	gG6	+ 48	d	3	W	SB (43)
2775	5762	30080	41.2	-30 51	5.7	.075	K0	- 3.8	b	4	L	
2778	RZ Eri	3QG5G	41.4	-10 46	7.8v	.019	*	+ 32.0	b	52	Md	dF5+dG8 *
2777	5764	3G18S	41.5	-50 34	5.3	.058	G7	+ 4.6	b	4	L	
2778	5767	30034	41.7	+11 03	5.3	.101	dA6	+ 39.4	a	14	3	*
2779	5768	3QQ76	41.7	-08 36	5.9	.002	B5ne	+ 15.1	b	4	V	
2730	5774	29678	42.1	+75 51	6.0	.138	dA6n	- 6	c	10	DW	*
2781	5776	30112	42.1	*0Q 29	7.3	.046	B3	+ 9	c	4	V	
2782	A 3417A	30101	42.1	+05 12	8.9	.159	dG7	- 19	c	2	W	
2783	A 3417B	.....	42.1	+05 12	9.0	.....	dK1	- 20	c	2	W	
2784	1° 314	30126	42.3	+01 15	9.1	.046	G5	+ 7	d	1	L	
2735	5792	30111	42.7	+28 34	7.0	.037	G5	+ 22	c	4	D	SB (16)
2746	K 24-554	.....	42.8	+44 08	10.6	.....	B2e	- 12	d	2	Md	IS -10 d
2787	5794	30238	42.9	-21 22	6.0	.028	gK2	+ 22	c	3	W	
2788	§795	30090	42.9	+42 15	6.6	.074	GO	+ 29.3	b	5	D	
2769	H Eri	30211	43.0	-0S 21	4.2	.019	B5	+ 7	d	14	3	SB *
2790	21" 094	30169	4X1	+21 12	9.1	.104	dKO	+ 26.0	b	3	W	
2791	5802	30210	43.2	+11 37	5.2	.072	dA5p	+ 40.8	b	22	3	*
27P2	5303	30138	43.3	+40 13	6.1	.030	gG5	* 34.1	b	6	DW	*
2793	5S05	SQ197	41.4	as m	6.1	.100	g&4	+ 38.3	b	3	W	
27J4	K24-10QH	.....	43.5	+46 07	11.5	.....	B5ne	- 22	e	1	Mel	IS -30 d
£79S	mm	30612	43.8	-71 01	5.7	.030	B9	- 26	e	1	L	
2796	5M0	3G47&	43.6	-59 49	5.4	.057	A3	+ 1.8	b	5	L	
2737	3 f64	30266	43.8	+03 11	7.9	.058	dG3	+ 20.1	b	3	W	
ZWi*	14' 751	3024?	41.7	-14 27	8.2	.003	dF2	4 22	c	2	L	
27T*	I' dV3	30299	43.3	*01 13	8.5	.052	dF8	+ 24.5	b	31	W	
2800	un<	30121	43.8	+5G 40	5.4	.158	A3	+ 18.6	b j	10	3	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'									
2801		5817	30144	4	44.0	+55	31	6.3	0.130	F0	+ 21.9	b	4	D	
2802	8°	759	30311		44.0	+08	55	7.2	.106	dF9	+ 40	c	2	W	
2803	RV	Tau	283868		44.0	+26	06	9.8v	.....	cG6ev	+ 30	b	17	W	RV 78.6 *
2804		5822	30221		44.3	+45	24	7.7	.035	A2n	+ 8	c	3	W	
2805	AW	Per	30282		44.4	+36	38	7.2v	.011	cFO	+ 13.5	b	9	W	Cep 6.46
2806		5827	30165		44.6	+61	25	7.7	.019	gM5	+ 53.3	b	3	W	
2807	25°	733	.....		44.6	+26	04	10.2	.14	dMO	+ 45	d	2	W	
2808	BC	Eri	.....		44.7	-14	43	9.7v	.....	.....	+ 65	d	1	W	RR 0.26
2809	17°	786	30355		44.7	+18	10	8.2	.112	dG5	+ 42	c	2	W	
2810	R	Pic	30551		44.8	-49	20	6.7v	.053	gM1e	+206.9	b	7	L	Em +203 *
2811	-0°	771	30436		45.1	-00	11	8.2	.035	gF4	- 12	c	2	L	
2812	43°	1069	30353		45.3	+43	11	7.7	.....	cApe	- 10	c	18	Md	SB
2813		5843	30495		45.4	-17	01	5.6	.219	dG1	+ 16.8	b	4	W	
2814	24°	689	30418		45.5	+24	40	8.0	.040	dF3	+ 43	c	2	W	
2815	T	Cae	30593		45.5	-36	18	6.1v	.020	N	- 7	d	1	W	SR 156
2816	K	24-211	.....		45.7	+43	41	10.9	.....	B4	- 12	e	1	Md	IS -2 e
2817	20°	823	.....		45.7	+21	01	9.0	.092	dKO	+ 41.9	b	3	W	
2818		5847	30455		45.8	+18	38	6.8	.435	dG1	+ 55.2	a	43	W	Orb. Sanford
2819		5853	30454		46.0	+31	21	5.8	.105	gK1	+ 22.9	b	9	W	* SR *
2820	ST	Cam	30243		46.0	+68	05	7.0v	.010	N	- 12	c	4	WL	
2821	34°	911	30443		46.0	+34	54	9.0	.039	R4	+ 70	c	2	W	
2822	3°	679	30544		46.0	+03	34	7.1	.038	B8n	+ 73	c	4	W	
2823		5856	30453		46.1	+32	30	5.9	.040	A3	+ 21.3	a	21	W	Orb. Harper
2824		5857	30466		46.1	+29	29	7.2	.034	AOp	+ 17	c	4	S	
2825		5858	30545		46.1	+03	30	6.2	.015	K0	- 19.4	b	4	D	
2826		5859	30482		46.1	+28	16	7.5	.004	K0	- 9	e	1	V	
2827	18°	736	30505		46.1	+18	33	8.8	.077	dK1	+ 42	c	2	W	
2828		5860	30562		46.1	-05	45	6.0	.388	dGO	+ 78.2	b	3	W	
2829	24°	692	.....		46.2	+24	43	9.1	.123	dK2	+ 44	c	4	W	SB 2-sp
2830		5863	30097		46.2	+75	38	7.2	.194	dG7	- 42.7	b	3	W	
2831		5864	30606		46.3	-16	25	6.0	.039	dF6	+ 35.4	b	3	W	
2832	SV	Per	276861		46.3	+42	12	8.8v	.....	cG4v	- 9.5	b	12	W	Cep 11.1 *
2833		5868	30504		46.5	+37	24	5.1	.047	gK4	- 23.3	b	7	WL	
2834		5869	30589		46.7	+15	48	7.9	.086	dGO	+ 40	c	4	W	
2835	23°	747	30572		46.8	+23	19	8.6	.073	dG4	+ 33	c	2	W	
2836		5873	30605		46.9	+15	49	6.3	.014	gK3	+ 13.0	b	3	W	
2837		5875	30652		47.1	+06	53	3.3	.468	dF5	+ 24.3	a	30	5	*
2838	8°	775	30677		47.3	+08	19	7.8	.031	BO _n	+ 5	c	8	L	IS -5.2 b
2839		5880	30557		47.4	+48	39	5.8	.054	gKO	+ 29.0	b	3	W	
2840		5881	30442		47.4	+63	25	5.8	.106	gM2	- 36.0	b	5	W	
2841	RX	Eri	.....		47.5	-15	49	8.8v	.011	A3-F0	+ 70	c	5	W	RR 0.59
2842		5885	30676		47.5	+17	07	7.2	.104	dF8	+ 41.7	b	3	WL	*
2843	28°	704	30675		47.7	+28	14	7.7	.016	B3n	+ 20	c	12	V	IS +13.6 SB
2844	14°	770	30712		47.7	+15	00	8.2	.097	dG6	+ 43	c	2	W	
2845	15°	691	30710		47.8	+15	42	10.1	.....	N	+ 38	c	2	W	
2846		5892	30739		47.9	+08	49	4.4	.031	AO _n	+ 24	c	10	3	*
2847	13°	725	30726		47.9	+14	08	8.9	.086	dG1	+ 31.5	b	3	W	
2848	15°	692	30738		47.9	+16	08	7.3	.097	dF8	+ 42	c	5	W	SB
2849		5894	30814		47.9	-16	18	5.2	.071	gG9	+ 37.3	a	5	L	
2850		5895	30650		48.0	+43	30	7.4	.034	B5E	+ 34	d	5	V	

Cat. No.	Star	ED. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.								
2851	5897	30649	4 48.0	+45 45	7.1	0.678	dF9	+ 26.7	b	4	WV	*
2852	-0° 785	30812	48.3	-00 11	7.4	.053	gKO	- 8.8	b	3	W	
2853	+0° 873	.....	48.4	+00 29	9.2	.084	dF8	+103.2	b	3	W	
2854	TT Tail	30755	48.4	+28 27	8.1v	.015	N	+ 16	b	3	W	SR 166
2855	28° 706	30754	48.4	+28 33	9.0	.124	dK4	+ 15.3	b	3	W	
2856	5906	30810	48.4	+10 59	6.7	.107	dF7	+ 38.8	b	3	W	
2857	-0° 787	30838	48.4	+00 01	9.3	.016	A0	+ 27	e	1	L	
2858	5907	30780	48.4	+18 45	5.0	.088	dA5n	+ 38.5	b	27	4	*
2859	5911	30836	48.5	+05 31	3.8	.002	B2	+ 23.3	a	36	A	IS +23.2 b *
2860	UY Aur	.....	48.6	+30 43	<u>11.6v</u>	.....	dG5e	+ 30	c	6	W	Em -3 10 RW
2861	5914	30736	48.7	+45 51	6.7	.083	F8	+ 23.6	b	4	D	
2862	5920	30870	49.0	+09 54	6.1	.007	B5n	+ 10.5	b	8	V	
2863	5921	30794	49.0	+36 34	6.9	.054	gK1	- 37.1	b	3	W	
2864	5923	30869	49.0	+13 34	6.7	.116	dF6	+ 38.8	b	3	W	
2865	a Cam	30614	49.1	+66 16	4.4	.009	O9e	+ 6.1	a	102	4	IS -6.0 a *
2866	-0° 789	.....	49.1	-00 10	8.9	.021	gKO	+ 30	c	4	W	SB
2867	V Tau	30868	49.1	+17 27	8.5v	.010	gM2e	+ 78	c	4	W	Em +70 *
2868	5928	30752	49.2	+52 46	6.3	.022	A2	- 12.6	b	3	V	
2869	5932	30823	49.3	+42 30	5.6	.003	A2n	- 2.4	b	4	W	
2870	38° 955	.....	49.3	+38 26	8.8	.055	N	+ 32	c	3	W	
2871	5934	30834	49.3	+36 37	5.0	.025	gK3	- 16.5	a	5	LW	*
2872	5940	30912	49.7	+27 49	5.9	.061	F2n	+ 38	c	4	S	
2873	5941	30604	49.7	+70 33	8.6	.303	dG1	+ 45	c	3	W	
2874	5942	30959	49.7	+14 10	5.2	.058	gM4	- 6.9	a	6	LW	*
2875	5943	31003	49.8	+04 15	8.5	.085	dF8	+ 41.7	b	4	W	
2876	5945	31203	49.8	-53 33	5.6	.126	F0	+ 5	d	7	L	SB (43)
2877	26° 759	30945	49.9	+26 42	7.8	.054	K2	+ 23.8	b	4	D	
2878	AU Aur	.....	50.4	+49 48	<u>13.0v</u>	.....	Ne	- 3	c	3	W	Em -23 *
2879	ω Eri	31109	50.4	-05 32	4.4	.030	A4n	- 9	c	14	3	*
2880	Lee 8	.....	50.6	+22 41	9.4	.....	N	+ 48	d	1	W	
2881	22° 769	.....	50.6	+22 56	8.8	.083	dF5	+ 46	c	2	W	
2882	5961	31139	50.8	+02 26	5.7	.038	gM1	+ 12.6	b	3	W	
2883	5962	30338	50.9	+81 07	5.3	.029	gK4	- 8.4	b	7	LW	*
2884	5964	30958	51.0	+55 11	5.6	.011	A0	+ 2.4	b	10	VW	*
2885	10° 663	.....	51.1	+10 15	8.9	.057	gKO	- 29.8	b	3	W	
2886	5968	31153	51.2	+16 57	7.1	.080	dF8	+ 54	c	4	W	SB
2887	5969	31069	51.3	+43 59	6.0	.063	B9n	+ 1	c	7	D	
2888	41° 1002	31085	51.3	+41 41	8.0	.029	dF5	- 4.0	b	3	W	
2889	1° 747	.....	51.3	-01 16	9.3	.123	gKO	+ 6.8	b	3	W	
2890	5971	31209	51.3	+01 29	6.4	.009	A2n	+ 21	b	4	V	
2891	K 24-986	.....	51.4	+45 58	11.2	.....	B4ne	- 45	d	3	Md	IS -26 c
2892	BB Er!	.....	51.4	-19 31	.....	.....	A5	+237	c	5	MdW	RR 0.57 *
2893	T 807	31131	51.4	+17 32	9.8	.058	dF5	+ 40	c	4	W	SB
2394	A 3514B	.....	51.6	+07 17	8.2	.300	dK1	+ 40.1	b	3	W	
2895	A 3514A	31208	51.6	+07 18	7.9	.323	dK2	+ 45.9	b	3	W	
2898	5378	31237	51.6	+02 22	3.9	.001	B2	+ 23.4	a	64	Y	IS +20.9 b *
2897	< 5979	31118	51.7	+43 20	7.4	.042	M0	+ 19	d	1	V	
2898	64° 437	30957	51.7	+64 20	8.6	.099	dKO	- 7.2	b	3	W	
2809	< 24-738	.....	51.7	+44 52	10.8	.....	B4	+ 1	c	3	Md	IS +4 c
2900	5983	31283	52.0	+ 11 21	5.2	.024	A3n	+ 9	d	10	3	*

Cat. No.	Star	HLD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	''	km/sec						
2901	5984	31236	4	52.0	+19	24	6.3	0.072	dA9n	+ 35	c	6	SW	*
2902	5986	31296		52.1	+07	42	5.5	.037	gK1	- 5.0	b	3	W	
2903	5987	31295		52.1	+10	04	4.7	.139	Aln	+ 13	c	13	4	*
2904	5988	31134		52.1	+52	47	5.8	.007	A2	- 22	c	6	W	SB (43)
2905	32° 853	31233		52.2	+32	43	7.3	.019	K0	- 50	d	1	V	
2906	5991	31331		52.3	+00	23	5.9	.005	B6	+ 17	c	8	¥	SB
2907	26° 764	31294		52.5	+27	08	7.5	.023	K3	- 2	d	1	V	
2908	AB Aur	31293		52.6	+30	28	7.2v	.030	AOep	+ 8	c	14	W	*
2909	2° 813	31355		52.7	+02	53	8.2	.054	sgF3	+ 18	c	2	L	
2910	6002	31189		52.7	+55	45	0.9	.029	gK5	- 1.1	b	3	W	
2911	6003	31151		52.7	+61	41	6.9	.001	G5	- 21.4	b	4	D	
2912	5° 705	31354		52.7	+05	33	8.2	.085	dG0	+ 18.0	b	4	W	
2913	6005	31338		52.7	+19	56	8.0	.371	dKO	t 27.1	b	3	W	
2914	SU Aur	.....		52.8	+30	29	9.0v	.032	G2	+ 23	c	10	W	Irr SB
2915	6008	31414		52.9	-16	49	5.8	.010	gG9	+ 9.8	b	3	W	
2916	0010	31373		53.0	+14	58	5.7	.029	B9e	+ 9	c	2	W	
2917	6011	31327		53.0	+36	05	6.2	.019	B3	- 5	c	8	W	IS +2.2 b *
2918	6012	31444		51.1	-16	30	5.8	.048	gG4	+ 32*3	b	3	W	
2919	6015	31362		53.2	+24	31	6.3	.028	gFO	- 9	c	9	W	*
2920	6017	31278		53.3	+53	40	4.4	.020	A2	- 7.9	a	44	W	Orb. Harper
2921	6019	31411		53.3	*05	19	6.6	.023	AO _n	+ 21.6	b	4	D	
2922	0025	31421		53.6	^13	26	4.3	.087	gK2	+ 0.8	a	9	3	*
2923	i Aur	31398		53.7	^33	05	2.9	.021	gK3	* 17.5	a	16	5	*
2324	6032	31512		53.9	-05	15	5.5	.009	B9	+ 24	c	8	L	
2929	53° 790	31324		54.0	^58	33	7.8	.051	gG7	t- 34.6	b	3	L	
2926	U Lep	31599		54.1	-21	18	9.9v	.068	A4	^120	c	3	W	RR 0.58
2927	6040	31539		54.5	+17	05	5.7	.013	gK1	+ 24.8	b	3	W	
292^	CC 310	31501		54.6	+34	12	8.0	.00	dG3	* 40.3	b	3	W	
2929	6043	31623		54.7	-01	09	6.2	.054	F2	+ 13	c	4	S	
2980	6044	31553		54.8	+23	52	6.0	.014	gG8	+ 3.9	b	3	W	
2331	13° 749	31699		95.0	•13	56	8.5	.092	dG4	+ 47	c	2	W	
2532	0043	31532		55.1	+24	59	5.8	.061	A2	• 28	d	3	W	SB 148)
2933	6055	31726		55.5	-14	18	5.9	.016	B3	4. 11.4	b	4	L	
2a34	6062	31579		55.5	*53	05	8.4	.013	gK3	- 2.3	b	S	W	
2935	4i 1147	31617		55.8	+43	16	7.3	.919	B2	+ 3.5	b	4	V	IS +3.6 b *
2^36	A 3572A	31647		55.9	*37	49	5.0	.111	AO	4 5	e	6	LV	*
2937	h 3572B	.....		55.9	*S7	49	8.9	.....	dF9	* 6.9	b	5	W	
2935	6068	31767		56.0	+oi	sa	4.7	^0.002	cK3	+ 13.5	b	6	LV	
2939	6070	31112		56.0	4.74	12	€2	.044	gK4	- 51.8	b	3	W	
2940	-n° bib	.....		56.1	-CO	17	•9.2	.038	gGC	« 28.4	b	3	W	
2941	AN Aur	.....		56.2	*40	46	ID.3v	.....	- W		c	8	W	Op 10.3
2M2	3P° 752	time		56.2	*?I	00	3.0	/J53	<1?F5	* 15	c	4	WL	*
2*443	F Ori	31798		m.3	•0€	04	K5v	.024	S*	* m	h	3	W	Em *18.9 *
2i-144	2% 771	31781		56.5	•H*	11	a.6	/Oil	dG2	* 16.7	h	3	W	
^43	^ Mæru	3244P		wb	-7J	01	5.3	im	K6	* 25.b	b	4	L	
24 b	6079	31499		56.?	•69	05	7.1	.121	df5	+ 27.8	h	1	T#	
2947	12 1041	2U2S		56.6	-32	57	K3	T27	sgF4	* 46.1	b	3	1	
2948	6082	31925		56.8	-Iti	27	•	.206	dF2	• ?1.2	b	3	%	
2949	V/84	^i7*:		56.9	•:s	#	6.0	Q13	d17	• 4.2	b	3	W	
2950	6085	31845		56.9	•:!	U	6.7	094	ijj*4	• H I	b	\$	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
2951	6086	31780	4	56.9	+39	35	6.7	0.008	gK5	- 23.9	b	3	W	
2952	AC2°2283	.....		57.0	+01	41	10.0	.16	dM1e	+ 39	c	2	W	259
2953	6088	31662		57.1	+61	00	6.1	.175	F4	+ 11.3	b	6	D	
2954	RS Cep	.....		57.2	+80	11	10.2v	.....	Ae+G	- 21	b	54	Md	EA 12.4 *
2955	24° 722	31867		57.2	+25	05	8.0	.052	G5	- 26.7	b	4	D	
2956	40° 1128	31816		57.3	+40	10	7.5	.012	K5	- 3	d	1	V	
2957	R Lep	31996		57.3	-14	53	5.5v	.031	N6e	+ 32.4	b	21	We	Em +10.7 b 7 *
2958	6098	32008		57.5	-10	20	5.7	.136	dG4	- 12	c	5	W	
2959	6104	32045		57.6	-12	37	4.8	.099	A3n	- 15.0	b	4	L	
2960	-0° 818	32024		57.7	-00	16	8.2	.008	gF4	+ 41	c	3	L	
2961	6107	31675		57.8	+66	45	6.3	.351	dF6	+ 16.7	b	3	W	
2962	+0° 916	32023		57.8	+00	56	9.1	.054	dF5	+106	c	3	W	
2963	RX Aur	31913		57.9	+39	53	8.0v	.005	cG5v	- 21.0	b	17	W	Cep 11.6 *
2964	A 3597B	32039		57.9	+03	33	7.0	.025	AOn	+ 31	c	4	D	
2965	A 3597A	32040		57.9	+03	33	6.6	.012	AOn	+ 42	c	4	D	
2966	6111	31563		58.0	+73	42	6.8	.030	K2	+ 22.2	b	4	D	
2967	-0° 823	32114		58.3	-00	34	8.9	.057	AOn	+ 2	d	3	W	
2968	6120	32147		58.3	-05	49	6.5	1.223	dK5	+ 27	c	13	3	SB *
2969	6121	31590		58.3	+74	00	6.0	0.023	A0	- 9	c	9	DV	*
2970	€ Aur	31964		58.4	+43	45	3.4v	.008	cFO	- 2.5	a	393	YPm	EA 9883 *
2971	6128	32070		58.6	+24	34	8.5	.315	dG3	+ 29.6	b	3	W	
2972	34° 846	.....		58.6	+31	34	8.9	.091	dG0	+ 75.4	b	3	W	
2973	6131	31864		58.8	+63	00	8.6	.330	dG5	- 25.0	b	3	W	
2974	6132	31865		58.9	+63	01	8.6	.330	dG4	- 23.7	b	3	W	
2975	3 Cam	31910		59.0	+60	22	4.2	.015	cG2	- 1.7	a	9	LB	*
2976	? Aur	32068		59.0	+41	00	3.9	.028	*	+ 12.8	b	75	WV	CK4+B9 *
2977	^ Eri	32249		59.0	-07	15	4.8	.010	B8	+ 25.4	b	12	LY	*
2978	52° 911	.....		59.1	+53	07	9.8	1.96	dM0	+ 74	c	4	WMd	*
2979	6142	32309		59.3	-20	07	5.0	0.037	B9	+ 24.2	b	4	L	
2980	6143	32263		59.3	+00	39	6.2	.035	K1	+ 20.9	b	4	D	
2981	6144	32237		59.3	+14	01	8.3	.409	dG8	- 28.3	b	3	W	
2982	EL Aur	32088		59.5	+50	34	11.5v	.030	N	- 12	d	2	W	Irr
2983	6153	32188		59.8	+41	22	6.2	.008	A0	- 0.7	b	8	V	
2984	GP Gri	.....	5	00.0	+15	15	9.4v	.....	N	+ 79	d	1	W	*
2985	t Tau	32301		00.1	+21	31	4.5	*.080	A5n	+ 42.2	b	15	3	
2986	6160	32436		00.1	-26	21	5.0	.115	gKO	+ 27.4	a	10	LC	*
2987	37° 1031	32270		00.2	+37	12	7.5	.028	B9	+ 8.8	b	6	W	
2988	13° 783	32347		00.2	+13	39	9.3	.064	dKO	+ 43	c	2	W	
2989	6167	32393		00.3	-04	17	6.1	.057	cK3	+ 38.3	b	3	W	
2990	21° 1051	.....		00.3	-21	19	8.3	.307	dML	- 19	c	2	W	
2991	6172	32503		00.6	-22	52	5.8	.064	gK1	+ 32.5	b	3	W	
2992	38° 1012	32316		00.7	+38	47	8.2	.016	B8E	- 3	c	6	W	IS +4.7 b
2993	24° 739	32387		00.8	+24	55	8.0	.156	G5	+ 57.3	b	4	D	
2994	6176	32406		01.0	+30	26	6.4	.007	G7	+ 17.9	b	4	D	
2995	6182	32428		01.4	+32	15	6.4	.073	A3	- 8	c	2	V	
2996	30° 775	32447		01.4	+30	19	9.1	.033	K7	+ 32.3	b	5	D	
2097	19 ^C 845	.....		01.4	+19	58	10.0	.....	gM2	- 37	c	2	W	
2998	6183	32482		01.4	+21	13	6.3	.029	K2	+ 47.8	b	4	D	
2999	23° 2363	.....		01.4	-23	20	10.2	.32	dM0	+124	d	2	W	
3000	6185	32743		01.5	-49	13	5.4	.057	F5	+ 21.4	b	4	L	

General Catalogue of Radial Velocities

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	"		km/sec					
3001	6186	32480	5	01.5	+27	38	6.5	0.039	A2	+ 22	c	2	V	
3002	6187	32612		01.6	-14	26	6.4	.035	B3	+ 16	c	4	L	
3003	6191	32549		01.7	+15	20	4.6	.039	B9	+ 16.8	b	12	4	*
3004	6193	32343		01.8	+58	54	5.3	.007	B3e	- 11.0	b	12	3	*
3005	6195	32667		01.8	-24	27	5.6	.036	A2	+ 7	d	6	L	SB (107)
3006	6197	32357		01.8	+58	57	6.4	.031	gG5	- 8.0	b	3	W	
3007	6202	32356		02.0	+61	06	6.3	.085	K0	- 40.0	b	4	D	
3008	6206	32686		02.4	-03	06	6.0	.002	B5	+ 26.7	b	9	V	
3009	6211	32642		02.6	+19	44	6.5	.025	A2	- 16.7	b	4	V	
3010	y Cae	32831		02.6	-35	33	4.6	.131	K5	+ 9.7	b	9	LC	*
3011	6213	32641		02.6	+23	00	6.7	.014	B5n	+ 1	c	16	V	SB (138)
3012	6216	32608		02.7	+35	52	6.4	.009	A3	+ 14	c	2	V	
3013	J 320	32701		02.7	+10	38	...	...	P	- 23.4	b	4	L	Em PL <i>neb.</i>
3014	T Lep	32803		02.7	-21	58	7.5 _v	.034	gM7e	- 4	c	2	W	Em -18 *
3015	6219	32537		02.8	+51	32	5.0	.177	dF3	- 1.4	b	4	L	
3016	6220	32656		02.8	+26	22	6.6	.014	B5n	+ 16.9	b	4	V	
3017	W Ori	32736		02.8	+01	07	5.9 _v	.013	N	+ 16.9	b	6	WL	SR 200 *
3018	? Aur	32630		03.0	+41	10	3.3	.077	B3	+ 7.4	b	46	4	*
3019	6230	32655		03.3	+43	07	6.2	.009	F2	- 12.2	b	4	D	
3020	38° 1020	32672		03.3	+38	27	7.7	.031	B3	+ 4.8	b	6	W	
3021	€ Lep	32887		03.3	-22	26	3.3	.077	gK5	+ 1.0	a	11	LC	*
3022	(3 Men	33285		03.4	-71	23	5.3	.024	G8	- 11.4	b	3	L	
3023	V Ori	.....		03.4	+04	02	8.4 _v	.028	gM3e	+ 21.9	b	3	W	Em +13.9 *
3024	6233	32629		03.6	+55	41	7.1	.054	K0	+ 10	d	1	V	
3025	6234	33042		03.7	-49	39	4.9	.059	M2	+ 36.0	a	6	L	
3026	9° 1076	32941		04.1	-09	45	9.0	.051	F8	+ 6	d	1	L	
3027	6245	32518		04.1	+69	35	6.6	.096	gK0	- 7.7	b	7	DW	*
3028	37° 1046	32827		04.2	+37	34	8.2	.021	dA5n	- 23	c	5	W	
3029	6246	32964		04.3	-04	43	5.2	.018	B9	+ 30.9	a	83	Y	Orb. *
3030	32° 892	32863		04.3	+32	41	7.5	.040	K5	+ 56	d	1	V	
3031	6255	32923		04.5	+18	35	5.0	.540	dG1	+ 20.3	a	8	3	*
3032	RW Aur	.....		04.6	+30	20	9.0 _v	...	dG5e	+ 59	b	10	W	Em -25 RW *
3033	? Dor	33262		04.7	-57	32	4.8	.115	F4	- 2.2	a	6	L	
3034	26° 789	32963		04.8	+26	16	8.0	.095	G5	- 62.9	b	4	D	
3035	20° 1013	33072		04.8	-20	11	8.6	.059	sgF4	+ 29	c	2	L	
3036	6259	32977		04.8	+20	21	5.3	.058	A3	- 1	c	10	3	*
3037	6260	32715		04.9	+64	52	6.4	.170	dF3	0	c	7	WV	*
3038	6261	33021		04.9	+09	25	6.3	.378	dG2	- 23.8	b	4	WL	*
3039	6263	32991		04.9	+21	38	6.0	.011	B3ne	+ 25	c	12	VW	IS +10 *
3040	6265	32784		05.0	+62	25	6.7	.055	A7	- 2.5	b	5	D	
3041	6267	32990		05.1	+24	12	5.5	.006	B3	+ 16.2	a	95	VW	IS +17.9 a *
3042	6268	33093		05.1	-12	33	6.1	.160	dF9	+ 49.7	b	3	W	
3043	6269	33054		05.2	+08	26	5.5	.069	gF2	+ 6.0	b	15	3	*
3044	42° 1180	.....		05.2	+42	30	9.2	.051	gM6	+ 5	c	4	W	SB (23)
3045	14° 836	33053		05.3	+14	28	7.7	.025	gG3	- 18	c	2	L	
3046	& Eri	33111		05.4	-05	09	2.9	.122	A2n	- 8	c	14	3	*
3047	TX Aur	33016		05.6	+38	56	8.5 _Y	.023	N	- 6	c	3	W	P330?
3048	6278	33230		05.8	-20	11	7.3	.058	cG9	- 11	c	2	L	
3049	5° 816	33156		05.9	+05	13	9.0	.011	K0	+ 50	d	1	L	
3050	6279	33121		05.9	+19	4B	6.6	.017	gG4	+ 6.5	b	4	W	

General Catalogue of Radial Velocities

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'									
3051	38° 1040	33061	5	06.0	+38	57	8.6	0.048	B8	- 12	c	5	W	SB (42)	
3052	6288	32650		06.0	+73	53	5.4	.034	AOp	+ 9.3	b	9	3	*	
3053	TT Aur	33088		06.2	+39	32	8.1v	.019	B3+B3	+ 10.2	a	32	W	EB 1.33 *	
3054	6292	33256		06.2	-04	31	5.2	.047	dF1	+ 9.4	a	8	3	*	
3055	6300	33254		06.6	+09	46	5.4	.065	sgA9	+ 37.2	b	32	5	*	
3056	36° 1021	33152		06.6	+36	57	7.8	.009	B2e	- 4.1	b	4	W		
3057	A 3730A	33204		06.6	+27	58	6.0	.088	dFO	+ 41.2	b	4	4	W	*
3058	A 3730B		06.6	+27	58	8.5	.092	dG7	+ 46	c	2	3	W	
3059	X Eri	33328		06.8	-08	49	4.3	.003	B3n	+ 3	c	12	3	W	IS +12 c *
3060	6306	33276		06.8	+15	32	4.9	.016	gFO	+ 31.4	a	5	L		
3061	6307	33473		06.9	-41	17	6.6	.294	dG2	+ 40	c	2	W		
3062	6309	33203		06.9	+37	14	6.2	.011	B2	+ 8.6	b	11	LV	IS +6.5 b *	
3063	6311	33167		07.0	+46	54	5.6	.162	dF3	+ 33.4	b	9	WV	*	
3064	6314	33684		07.2	-63	28	5.2	.046	M5	+ 19.3	b	3	L		
3065	40° 1196	33232		07.2	+40	57	8.1	.037	B3e	+ 9.3	a	41	W	Orb. Merrill	
3066	6316	33340		07.3	+08	07	7.1	.128	dF5	- 64	c	4	W	SB (23)	
3067	SY Eri	33404		07.3	-05	35	8.0v	.018	N	+ 8	c	2	W		
3068	6318	33336		07.4	+13	29	6.7	.070	F3	- 0.1	b	6	D		
3069	6332	33400		07.8	+20	31	7.8	.051	dF4	+ 45.3	b	3	W		
3070	53° 864	33267		07.9	+53	24	7.1	.008	K0	- 5	d	1	V		
3071	SX Aur	33357		08.2	+42	06	8.2v	.....	B4+B4	+ 3	c	22	Md	EB 1.21 *
3072	6339	33398		08.2	+35	54	7.3	.009	K5	- 37	d	1	V		
3073	6344	33463		08.5	+29	51	6.7	.033	Ma	+ 10	c	4	D		
3074	6345	33266		08.5	+61	47	6.0	.017	A1	- 4.4	b	10	DV	*	
3075	6348	33608		08.8	-02	33	5.9	.073	dF5	+ 30.9	b	3	W		
3076	6350	33554		08.8	+15	59	5.4	.013	gK5	- 6.1	b	6	LW	*	
3077	ER Ori	.....		08.8	-08	37	9.5v	.....	dG1	+ 35	e	22	Md	EB 0.42 *
3078	6352	33296		08.9	+62	38	6.4	.031	A2	- 4	c	6	V	SB (56)	
3079	6358	33664		09.0	-11	55	5.9	.063	gM6	+ 46.1	b	3	W		
3080	SY Aur	277622		09.1	+42	46	9.0v	.....	cG1v	- 2.0	b	8	W	Cep 10.1 *
3081	63b1	33646		09.2	+00	59	6.1	.018	F5	- 19	c	5	S		
3082	6364	33585		09.3	+26	24	6.8	.172	G5	- 12	c	4	D	SB (15)	
3083	6° 865	33662		09.4	+06	48	7.9	.027	gG5	+ 21.9	b	3	W		
3084	9' 1094	33725		09.5	-09	10	8.0	.569	dK1	+ 5.7	b	9	W		
3085	6369	33793		09.7	-45	00	8.5	8.72	dK2	+242	c	2	L		
3086	40° 1213	33604		09.8	+40	09	7.3	0.011	B3e	+ 7.0	b	4	V	IS +8.2 b	
3087	CC 318	241596		09.9	+19	41	9.2	.75	dK3	+ 6.8	b	3	W		
3088	6373	33441		09.9	+63	04	6.7	.021	FOn	- 16.1	b	5	D		
3089	i Lep	33802		10.0	-11	56	4.5	.030	B8	+ 25	c	10	LY	*	
3090	/i Aur	33641		10.0	+38	26	4.8	.078	A3	+ 23	c	6	LV	*	
3091	9° 842	33778		10.1	+05	13	9.2	.017	A0	- 5	e	1	L		
3092	6377	33833		10.4	-06	07	6.0	.040	gG7	+ 23.2	b	3	W		
3093	p Ori	33856i		10.7	+02	48	4.6	.005	gK3	+ 41.0	a	32	L	SB	
3094	fi Lep	33904		10.7	-16	16 i	3.3	.049	AOp	+ 27.7	a	13	LY	*	
3095	40' 1215	33733		10.7	+40	12	7.4	.011	G9	- 25	d	1	V		
3096	6383	33654		10.7i	+53	09	6.2	.017	A0	- 5	c	3	V		
3097	6335*	33618		10.8	+59	21	6.4	.022	G8	+ 3.2	b	5	D		
3098	1191	33902		10.9	-05	02	9.4	.004	A0	- 1	d	2	L		
3099	?k Lep	33949		10.9	-13	00	4.5	.017	B8	+ 18	c	9	LY	*	
3103	6388*	33883		10.9	+01	55	6.2	.016	A2	+ 7	c	3	V		

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
3101	15° 973	33930	5	11.0	-14	57	9.2	0.119	G5	- 49	d	1	L	
3102	6394	33946		11.2	+00	30	6.5	.024	K3	- 11.4	b	5	D	
3103	UZ Aur	33861		11.7	+40	05	7.7v	.057	gM4	+ 21	c	2	W	Irr
3104	YZ Aur	.....		11.9	+40	02	10.2v	.....	cG5v	- 20.5	b	7	W	Cep 18.2 *
3105	12° 752	34021		12.0	+12	28	7.5	.040	A0	+ 16.5	b	4	D	
3106	6405	33541		12.0	+73	13	5.8	.032	A0	+ 0.2	b	4	D	SB 2-sp
3107	6407	34043		12.1	+05	06	5.8	.011	gK4	- 7.5	b	3	W	
3108	C 677	34101		12.1	-15	53	8.0	.308	dG6	+ 32.6	b	3	W	
3109	UX Aur	33877		12.1	+49	30	8.0v	.011	gM5	+ 34	c	2	W	Irr
3110	0 OriA	34085		12.1	-08	15	0.3	.001	cB8e	+ 20.7	a	410	9	IS -15.7 a *
3111	3 OriB	.....		12.1	-08	15	8.0	.....	B5	+ 19.1	a	18	We	Orb. Sanford *
3112	6411	33959		12.1	+32	38	5.1	*.023	sgA7	- 9.7	a	37	O	Orb. Harper
3113	19° 876	34031		12.2	+20	00	7.7	.107	gGO	+ 21.7	b	3	W	
3114	14° 857	34054		12.3	+15	00	7.3	.016	B9	+ 14	c	6	D	
3115	NGC 1851	34243		12.4	-40	05	8.1	.....	dF5	+291	c	3	LLw	Glob. cl. *
3116	6413	34053		12.5	+22	14	6.2	.014	AOn	- 7	c	7	DW	SB *
3117	A 3835A	.....		12.6	+29	25	9.0	.052	dG3	- 65.4	b	4	W	
3118	6421	34266		12.7	-36	02	5.8	.008	GS	+ 13.2	b	4	L	
3119	6424	33988		12.7	+46	22	6.9	.003	B5ne	- 26	c	4	V	
3120	6425	34180		12.8	-01	28	6.1	.058	dF2	+ 14	c	4	W	
3121	<x Aur	34029		13.0	+45	57	0.2	.435	gG1	+ 30.2	a	31	L	Orb. Reese
3122	6428	33924		13.0	+60	08	7.2	.130	dF3	+ 17.3	b	4	W	
3123	AE Aur	34078		13.0	+34	15	5.4v	.030	O9p	+ 59.1	a	27	4	IS +12.6 b *
3124	29° 849	34114		13.1	+29	17	9.0	.054	dF8	- 33.4	b	3	W	
3125	11° 755	.....		13.2	+11	55	9.4	.....	N	- 11	d	1	W	
3126	R Aur	34019		13.3	+53	32	6.6v	.031	gM7e	+ 7.8	b	6	WMi	Em -9.1 b 8 *
3127	6436	34203		13.3	+11	17	5.5	.010	A0	- 8.2	b	12	VL	*
3128	6438	34310		13.4	-27	00	5.0	.019	B9	+ 29	c	7	L	
3129	12° 756	.....		13.5	+12	09	8.9	.066	dF6	- 23.3	b	3	W	
3130	A 3841H	.....		13.6	+45	48	10.5	.....	dM2	+ 36	c	3	W	Comp. oc Aur
3131	14° 1080	34309		13.7	-14	34	7.7	.047	B9	+ 46	d	4	W	SB (104) 2-sp
3132	6441	34175		13.7	+39	25	7.3	.007	K0	- 28	d	1	V	
3133	6 Dor	34649		13.8	-67	14	4.8	.034	K6	+ 10.5	a	20	CL	*
3134	6445	34251		13.8	+18	23	7.5	.005	B3n	+ 25	c	4	V	
3135	6447	32196		13.8	+85	54	6.5	.081	dF2	- 6	d	6	V	SB (45)
3136	6452	34250		14.1	+28	51	6.9	.021	F0	+ 1.8	b	5	D	
3137	A 3864A	33564		14.3	+79	11	5.2	.175	dF4	- 9.9	a	6	L	
3138	A 3864B	.....		14.3	+79	11	9.0	.....	dF5	- 44.8	b	3	W	
3139	33° 997	242257		14.5	+34	02	9.5	.....	Aeq	- 30	c	6	W	IS +2 c *
3140	A 3866A	34335		14.6	+20	05	7.5	.106	dF4	- 26.9	a	36	W	Orb. Sanford
3141	A 3866B	.....		14.6	+20	05	9.5	.....	dK2	- 36	c	2	W	
3142	6466	34447		14.6	-17	12	6.5	".026	B2	+ 12	c	4	L	
3143	6469	34269		14.7	+42	44	5.9	.048	gM4	- 38.0	b	3	W	
3144	6470	34247		14.7	+48	52	7.2	.048	K3	+ 26	d	1	V	
3145	6473	34334		14.9	+33	19	4.8	.170	gK3	- 27.5	a	30	4	Orb. Christie*
3146	EO Aur	34333		15.0	+36	34	7.6v	.030	B3-B3	- 1.1	b	49	V	EA 4.07 *
3147	AR Aur	34364		15.0	+33	43	5.8v	.037	A0+AO	+ 25.4	a	46	VL	EA 4.13 *
3148	28° 773	34384		15.1	+28	44	7.2	.068	A5	- 23.4	b	4	D	
3149	6478	34233		15.1	+58	04	6.2	.024	B5	- 3	c	5	V	
3150	T Ori	34503		15.2	-06	54	3.7	.016	B8	+ 20.1	b	18	YL	*

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'		//	km/sec						
3151	6481	34332	5	15.2	+40	25	6.3	0.027	K2	- 17.2	b	4	D		
3152	6483	34454		15.2	+13	22	7.9	.022	gM5	+ 9.8	b	3	W		
3153	6485	34527		15.3	-15	16	6.7	.014	AOn	+ 67	d	4	W	SB (67)	
3154	6487	34538		15.4	-13	34	5.7	.047	sgG9	+ 75.3	b	3	W		
3155	k Aur	34411		15.6	+40	03	4.8	.845	dGO	+ 65.7	a	15	W	*	
3156	o Col	34642		15.7	-34	57	4.9	.346	sgKO	+ 21.2	b	4	L		
3157	6496	34255		15.7	+62	36	5.9	.004	cK4	- 6.4	b	9	DW	*	
3158	6497	34452		15.7	+33	42	5.4	.032	AOp	+ 28.6	a	20	3	W	*
3159	35° 1046	34467		15.9	+35	44	9.1	.006	N	+ 15	d	2	W		
3160	16° 1096	34616		15.9	-16	14	7.6	.112	gG9	+ 24	c	2	L		
3161	6503	34547		16.1	+13	31	7.5	.013	cAO	+ 9.4	b	4	D		
3162	6504	34499		16.1	+33	56	6.5	.019	A5n	+ 7.3	b	4	D		
3163	6506	34559		16.3	+22	03	5.1	.084	gG5	+ 19.3	b	3	L		
3164	6507	34579		16.3	+20	05	6.2	.046	gG8	- 47.4	b	3	W		
3165	6508	34498		16.4	+44	23	6.7	.014	K2	+ 13.4	b	4	D		
3166	41° 1154	.....		16.4	+41	11	8.6	.....	gK3	+ 39.4	b	3	W	
3167	6509	34658		16.6	+02	33	5.4	.049	dF3	+ 11	c	7	LW	*	
3168	6511	34721		16.6	-18	11	5.9	.387	dGO	+ 40	c	5	WMd	SB *	
3169	6513	34673		16.7	-03	08	8.6	.738	dK5	+ 85.2	b	3	W		
3170	21° 1131	.....		16.7	-21	27	9.5	.14	dMO	+ 24	d	2	W	
3171	6515	34578		16.7	+33	54	5.2	.013	cA5	- 3.5	a	16	4	IS +3.4 b *	
3172	6516	34557		16.7	+41	02	5.5	.060	A3	+ 13	c	3	L		
3173	26* 806	.....		16.8	+27	02	9.0	.067	dG1	+ 10.7	b	3	W	
3174	15° 787	34636		16.8	+15	44	7.9	.027	A2n	- 7	c	4	W		
3175	36° 1086	34576		16.9	+36	37	7.4	.017	B5n	- 0.4	b	4	V		
3176	6520	34533		16.9	+46	55	6.5	.008	F2+A	+ 17.0	b	4	D		
3177	6522	34748		17.1	-01	28	6.4	.009	B3	+ 19	c	8	V	SB	
3178	14° 1094	34796		17.2	-14	49	8.2	.031	dGO	+ 48.5	b	4	W		
3179	A Lep	34816		17.3	-13	14	4.3	.006	B1	+ 20.2	b	11	3	IS +2.4 b *	
3180	6532	34656		17.3	+37	23	6.7	.014	O6	0	c	16	3	IS +2.5 b *	
3181	6534	34719		17.4	+19	32	6.8	.020	AOp	+ 16.9	b	5	S		
3182	42° 1252	34624		17.4	+42	19	7.8	.....	gG6	+ 9	c	2	L	
3183	T Col	34897		17.5	-33	45	7.5 _v	.059	gM4e	+ 67	c	6	L	Em +55 *	
3184	v Lep	34863		17.7	-12	22	5.3	.012	B8n	+ 16	d	4	L		
3185	14° 881	34792		17.7	+15	01	8.2	.012	B9n	+ 18	c	4	W		
3186	6543	34762		17.8	+27	55	6.3	.019	B9	+ 6.8	a	69	V	Orb. Stillwell	
3187	15° 790	34811		17.9	+15	35	7.7	.021	dA5n	+ 29	d	4	W	SB (65)	
3188	A 3922pr	34772		17.9	+23	59	8.9	.057	gF7	+ 19.0	b	3	W		
3189	A 3922fo	.....		17.9	+23	59	8.9	.....	ffF8	+ 21.1	b	3	W	
3190	4° 1105	34860		17.9	-04	50	8.1	.042	dF6	+ 18	c	2	L		
3191	6546	34575		17.9	+59	14	7.3	.372	dG6	- 23.2	b	3	W		
3192	6548	34810		18.0	+19	46	6.4	.017	K0	+ 0.1	b	4	D		
3193	6550	34790		18.0	+29	31	5.7	.008	AIn	- 18.7	a	55	OV	Orb. Harper *	
3194	? Pic	35072		18.1	-50	40	5.5	.224	F8	+ 45.0	b	7	L		
3195	p Aur	34759		18.3	+41	45	5.1	.040	B5	+ 5	c	9	3	IS +8.2 b *	
3196	6559	34968		18.3	-21	17	4.7	.006	B9	+ 29.6	b	9	LW	*	
3197	6561	34789		18.4	+42	14	7.2	.026	KG	- 4	d	1	V		
3198	Lee 18	.....		18.5	+07	19	10.4	.....	N	- 17	d	1	W	
3199	UV Aur	34842		18.6	+32	28	7.9 _v	*.022	Npe	- 5.6	a	19	We	Em -25.9 b *	
3200	A 3934B	.....		18.6	+32	28	11.6		A0	0	e	1	W	

Cat. No.	Star	aa No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		DecL									
			h	m	°	'			km/sec					
3201	6569	34959	5	18.7	+03	58	6.4	0.008	B3	+ 5.0	b	4	V	
3202	6571	34654		18.8	+64	05	8.0	.222	dF8	- 14.8	b	3	W	
3203	10° 762	34957		18.9	+10	17	9.0	.021	G	+ 10	d	1	L	
3204	14° 1103	35041		18.9	-14	12	8.0	.052	dG1	- 4.5	b	3	W	
3205	6572	35007		19.0	-00	28	5.6	.004	B3	+ 7.2	b	10	LV	*
3206	6574	34989		19.0	+08	23	5.7	.002	B2	+ 26	c	11	VW	IS +19.6 b *
3207	14° 1105	35042		19.1	-14	36	7.2	.038	B6	+ 21	c	4	W	SB 2-sp
3208	5° 1233	35020		19.1	-04	56	9.6	.007	A0	+ 7	e	1	L	
3209	6578	34787		19.2	+57	30	5.2	.063	A0	+ 10	c	5	VL	SB (19) *
3210	37° 1160	34921		19.2	+37	38	7.4	.004	BOne	- 9	c	7	V	
3211	6579	35039		19.2	-00	26	4.6	.003	cB2	+ 28.8	b	17	3	IS +10.4 b *
3212	58° 833	34786		19.3	+58	54	7.8	.017	gG8	- 17	c	3	L	
3213	5° 1235	35052		19.3	-04	55	9.3	.014	F8	+ 24	d	1	L	
3214	6582	34904		19.3	+40	59	5.6	.009	A2n	- 14	c	4	D	
3215	33° 1024	242926		19.4	+33	16	9.3	.008	O8	- 8	d	2	Md	IS -9 d
3216	6586	35067		19.5	+03	31	7.7	.010	gM1	+ 50.9	b	3	W	
3217	6588	35165		19.5	-34	24	6.1	.002	B5ne	+ 20	c	5	L	
3218	6589	34903		19.5	+46	58	7.1	.025	M0	- 9	d	1	V	
3219	15° 799	35036		19.5	+16	05	7.4	.054	A0	+ 48.1	b	7	D	
3220	6593	34987		19.7	+28	42	8.7	.075	dF9	+ 38	c	2	W	
3221	6596	35162		19.7	-24	49	5.4	.028	gG2	+ 4.5	a	7	LC	*
3222	18° 836	35062		19.8	+18	58	7.6	.012	gG8	+ 39	c	2	L	
3223	6600	35035		19.9	+28	25	7.4	.042	A3	+ 45.7	b	4	D	
3224	.....	243035		20.2	+33	31	10.8	.....	B0	- 12	e	2	Md	IS +41 d
3225	6607	35149		20.2	+03	30	5.0	.003	B3n	+ 18	c	9	3	IS +18.9 b *
3226	6609	35076		20.2	+28	53	6.4	.038	B9	+ 9	c	6	D	
3227	.....	243070		20.4	+33	32	10.9	.....	B2	- 12	d	2	Md	IS +11 d
3228	18° 839	35146		20.6	+18	33	7.5	.011	gK5	+ 9.4	b	4	LV	*
3229	6620	35173		20.7	+16	00	6.9	.013	B4	+ 21	c	6	D	
3230	6622	35171		20.7	+17	17	8.2	.270	dK5	+ 37.4	b	3	W	
3231	6623	35189		20.7	+16	39	6.1	.033	A1	+ 20.9	b	6	D	
3232	6626	35242		20.9	+05	17	6.4	.024	A0	+ 9	d	2	V	
3233	6630	34531		20.9	+78	16	6.8	.084	dF4	+ 15.5	b	6	W	
3234	14° 1117	35307		21.0	-14	53	7.9	.018	gK4	+ 49.8	b	3	W	
3235	6632	35299		21.2	-00	12	5.6	.010	B3	+ 22.1	b	4	WV	*
3236	6635	35337		21.2	-13	58	5.2	.005	B3	+ 18.2	b	10	LY	*
3237	α Aur	35186		21.3	+37	20	5.2	.011	gK5	- 19.1	b	6	LW	*
3238	6642	35238		21.4	+31	11	6.4	.040	K0	+ 40	c	6	D	
3239	6643	35239		21.4	+31	06	5.9	.011	B9	+ 8	c	8	D	
3240	6645	35296		21.5	+17	20	5.1	.249	dF8	+ 36.5	b	9	3	*
3241	6646	35369		21.5	-07	51	4.2	.045	gG9	- 18.2	a	8	LW	*
3242	6647	34653		21.7	+77	56	6.5	.017	A4n	- 16.3	b	9	WD	*
3243	20° 1077	35441		21.7	-20	46	7.8	.052	gK2	+ 15	c	2	L	
3244	6650	35295		21.9	+34	49	6.5	.042	K0	- 15.4	b	4	D	
3245	17° 923	35349		21.9	+17	09	7.9	.017	B5n	+ 13.6	b	8	L	IS +3 c
3246	6654	35410		21.9	-00	56	5.2	.133	gKO	+ 20.5	a	14	3	*
3247	γ Ori	35411		22.0	-02	26	3.4	.008	BO	+ 19.8	a	111	5	IS +10.8 b *
3248	6656	35407		22.0	+02	19	6.3	.013	B3n	- 8	c	9	V	
3249	6660	35439		22.2	+01	48	4.7	.000	B3ne	+ 19.3	b	8	YV	*
3250	6664	35395		22.2	+20	32	6.8	.001	B2	+ 11.5	b	3	V	IS +13.2 b *

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'		km/sec						
3251	NGC 1904	35512	5	22.2	-24	34	8.4	....	dF3	+231	c	5	LLw	Glob. cl. *
3252	y Ori	35468		22.4	+06	18	1.7	0.015	B2	+ 18.2	a	110	5	IS +21.6 b *
3253		6672		22.7	-10	22	5.9	.027	gK5	+ 56.6	b	3	W	
3254	15°	813		23.0	+15	25	7.0	.011	B8	+ 18	d	5	D	SB
3255	AC Aur	.....		23.1	+50	05	<u>IQJy</u>	....	gM5e	- 21	b	3	W	Em -32.6 *
3256	1°	889		23.1	-01	32	7.3	.008	B3	+ 2	c	5	V	
3257	j8 Tau	35497		23.1	+28	34	1.8	.178	B8	+ 8.0	b	33	3	*
3258	15 ^U	814		23.2	+15	38	7.5	.006	AOp	+ 25	c	6	D	
3259		6683		23.2	+16	39	6.2	.008	B3n	+ 31.4	b	4	V	
3260		6685		23.2	+00	29	6.0	.020	B3n	- 24	c	5	V	
3261		C689		23.5	+34	21	5.8	.018	A0	+ 7	c	3	V	
3262	43°	1270		23.5	+43	58	7.5	.026	K3	- 47	d	1	V	
3263	W	Aur		281118	+36	52	8.4 _v	....	M3e	-132	c	2	W	Em -140 *
3264		6691		23.6	+35	25	6.3	*.019	K3	- 21.0	b	4	D	
3265		6693		23.6	+33	13	6.3	.018	K0	- 8.7	b	4	D	
3266	S	Aur		35556	+34	07	8.2 _v	.024	N	+ 3	d	2	W	Po81
3267		6700		35736	-19	44	5.8	.022	dF4	+ 6.1	b	3	W	
3268		6703		35600	+30	10	5.7	.018	B9	+ 16.7	b	7	W	IS +14.8 b 4
3269	29°	897		35601	+29	53	8.0	.023	cMO	- 1.2	b	3	W	
3270		6706		35544	+43	20	6.8	.014	A0	- 1	c	5	D	
3271		6712		35542	+48	20	7.2	.003	K0	+ 8	d	1	V	
3272	y/	Ori		35715	+03	03	4.7	.004	B2	+ 12.0	b	37	0	IS +14.1 b *
3273		6714		35671	+17	55	5.3	.031	B3	+ 19	c	10	3	*
3274	3°	901		35730	+03	34	7.7	.017	B4	- 3.0	b	9	L	IS -20.8
3275	0	Aur		35620	+34	26	5.3	.050	gK5	+ 31.0	b	7	LW	*
3276		6716		35693	+15	13	6.1	.013	A1	+ 24.9	b	9	DV	*
3277	21°	845		243780	+21	27	9.9	.011	B3+F8	+ 21	d	2	Md	IS -12 c
3278		6718		35777	-02	24	6.6	.004	B5n	+ 19	c	7	V	
3279		6719		34712	+81	40	8.7	.192	dGO	+ 2.3	b	3	W	
3280		6720		35762	+03	49	6.6	.008	B3	+ 16.6	b	9	V	
3281	33°	1049		35653	+33	55	7.5	.008	B1	+ 3	c	8	V	IS +6.9 b
3282		6723		35708	+21	54	4.8	.011	B3	+ 14.4	b	39	4	IS +20.1 b *
3283	33°	1056		243827	+33	17	10.9	. . . .	cB2	+ 71	d	3	Md	
3284		6726		35850	-11	56	6.4	.050	dF7	+ 18.8	b	3	W	
3285		6729		35770	+15	50	5.5	.026	AOa	+ 15	c	7	WY	*
3286	Y	Aur		.....	+42	24	9.8 _v	.015	cG2v	+ 8.5	b	8	W	Cep 3.86 *
3287		6733		35802	+17	12	6.0	.057	gM1	- 23.3	b	7	DW	*
3288	I	418		35914	-12	43	9.7	....	Pa	+ 62.0	a	7	LWc	Em PL neb. *
3289		0735		35899	-02	11	7.4	.014	B5	+ 25	c	8	V	SB
3290		6741		35607	+60	14	6.8	.033	A1	+ 6.6	b	5	D	
3291		6743		35912	+01	15	6.4	.018	B3	+ 34.2	b	4	V	IS +19.5 b
3292		0744		35583	+63	02	5.8	.004	gM1	- 18.5	b	3	W	
3293		6746		35761	+42	14	6.8	.060	G5	- 10.6	b	4	D	
3294	3*	910		35910	+03	V	7.7	.006	S6	+ 18	c	8	I	
3295		6747		35991	-21	25	6.1	.040	gG7	+ 33.9	b	3	W	
3296	AD	Aur		.....	+39	01	ILQv	....	gM6	» 26	d	1	W	SR 155
3297	A	i)or		36189	-58	57	5.1	.029	G6	+ 10.0	a	10	LC	*
4298	CM	Aur		.....	+43	24	12.8 _v	....	N	- 28	d	1	W	Irr
3299		8753f		35909	+13	38	6.3	.024	A3n	+ 27	c	8	DV	*
3100	>	6757		36003	-03	32	8.6	.859	dK6	- 58.2	b	3	W	

General Catalogue of Radial Velocities

Cat. No.	Star	ftD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
3301	6759	^5944	3	26.0	+20	24	7.4	0.043	K5	+ 40	c	2	"7	
3302	6780	35956		26.0	+12	SI	6.8	.238	dG0	+ 8.6	c	6	.0-W	*
3303	0 Lep	36079		26.1	-20	48	3.0	.090	gG1	- 13.5	a	42	4	*
3304	1° 1026	36013		26.2	+01	36	7.6	.005	B5n	+ 11	c	8	E	
3305	6764	35943		26.2	+25	07	5.9	.036	B9n	+ 16	c	7	3	*
3306	2° 974	36012		26.2	+02	08	7.7	.034	B5ne	+ 21	c	8	:	IS -15 c
3307	6767	35921		26.4	+35	20	6.7	.007	O9	- 29	&	8	V	IS +2.9 b *
3308	6768	35940		26.4	+35	04	7.1	.024	G8	+ 18	a	1	V	
3309	6772	35984		26.5	+29	09	6.2	.062	dF2	+ 13.2	b	14	:	*
3310	6774	36187		26.5	-37	16	5.5	.073	A0	+ 50.4	b	3	L	
3311	S Ori	36090		26.5	-04	44	7.5v	.048	gM7e	+ 22	c	2	W	Em +8 *
3312	GS Ori	.....		26.7	+03	26	12.7v	.....	N	+ 14	d	1	W	Irr
3313	6778	34109		26.7	+85	38	6.6	.010	A0	- 14	c	4	D	
3314	29 ⁵ 2277	.....		26.9	-29	56	11.5	.400	sdF6	+543	c	7	WMI	*
3315	6779	36134		26.9	-03	29	6.1	.046	gG8	+ 22.1	o	4	W	
3316	6780	36044		26.9	+29	31	7.2	.020	gG6	+ 46.7	b	3	W	
3317	6781	36133		26.9	+03	07	7.5	.012	35	+ 23.4	b	5	V	
3318	6783	36104		27.0	+12	14	7.0	.036	B5	+ 14	c	4	D	
3319	6784	36151		27.0	-07	18	6.6	.017	B5	+ 19	c	5	V	
3320	6786	35815		27.0	+62	57	7.5	.016	A0	+ 13.4	b	6	D	
3321	34° 1069	36042		27.1	+34	11	7.8	.016	gG7	+ 7	c	2	L	
3322	6792	36167		27.2	-01	08	5.0	.022	gMO	+ 7.5	a	9	LW	*
3323	6795	36584		27.3	-68	40	6.2	.021	F0	+ 1	c	2	L	
3324	6796	36041		27.3	+39	47	6.5	.050	G8	+ 11.5	b	4	D	
3325	6797	36040		27.3	+41	25	6.1	.045	gG6	+ 14.1	b	7	DW	*
3326	6798	36113		27.3	+20	31	6.8	.015	B8	+ 19.1	b	4	V	
3327	6800	36166		27.3	+01	45	5.7	.009	B3	+ 12	c	9	WV	*
3328	A 4099B	.....		27.4	+54	37	9.7	.407	dK4	+ 26	c	2	W	
3329	A 4099A	35961		27.4	+54	37	7.8	.408	dG1	+ 26.4	b	4	W	
3330	5° 1273	36202		27.5	-04	58	9.4	.038	F8	+ 45	o	1	L	
3331	6805	36162		27.6	+15	19	5.8	.059	A2	- 12	c	10	DV	*
3332	6807	36160		27.7	+22	26	6.5	.050	K1	+ 1.7	b	4	O	
3333	6808	35863		27.8	+67	59	6.9	.180	dF8	+ 31.5	b	3	W	
3334	6810	36285		27.9	-07	28	6.2	.014	5^	+ 11.0	b	12	Vi	IS +15 c *
3335	6811	36067		28.0	+51	00	7.6	.016	cK1	- 15	c	2	L	
3336	6813	36267		28.1	+05	55	4.3	.036	B4n	+ 21	c	10	3	*
3337	11" 834	36262		28.2	+12	04	7.3	.011	33	+ 20	c	7	V	
3338	6814	36066		28.3	+57	11	6.5	.251	dF7	+ 36.7	b	3	W	
3339	6816	36340		28.5	+03	19	9.0	.016	B3n	+ 17	c	8	L	IS +7 c
3340	MWC 497	.....		28.6	+12	08	11.5	.....	A4ep	+ 56	d	4	w	Em +21 c *
3341	29" 921	36281		28.6	^29	24	8.6	.028	gG7	- 22.9	b	3	W	
3342	6823	36^51		28.6	+03	15	5.5	.004	B3	+ 20	c	6	YW	*
3343	6829	36337		28.7	+14	54	6.6	.016	B8	+ 17.2	b	10	LV	*
3344	6830	36353		28.8	-47	07	5.5	.144	3^	+ L6.4	b	3	L	
3345	EY Ori	36-12		28.8	-0-	A	9.5v	.....	cA7	+ 28.0	"	41	Mu	JEA 16.8 *
3346	1" 1045	3633-		28.8	i-01	39	7.9	.024	TY-	* 16.6	b	8	L	IS +2 c
3347	24 846	244:is		28.9	+24	63	9.2	.090	-F8	+ 42	c	2	W	
3343	683f	36430		28.9	-06	45	0.0	.010	Be-	+ 23.0	b	4	V	IS +24 c
3349	6836	36??3		28.9	-03	41	8.4	2.233	-M3	^ 10.9	r	7	W	
3350	6837	36-173		29.0	-20	54	5.5	0.04;	A0	- 11.2	s	15	L	

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
3351	29° 923	36335	5	29.1	+29	10	7.8	0.037	dFO	- 30.6	b	4	W	
3352	20° 978	.....		29.1	+21	02	9.3	.036	dA5	+ 37	c	4	W	SB 2-sp
3353	CC 335	36443		29.2	+00	04	8.4	.515	dG5	- 9.1	b	3	W	
3354	6841	36389		29.3	+18	34	4.7	.007	cM2	+ 22.5	a	6	LV	*
3355	6842	36374		29.3	+26	57	7.1	.044	B5n	+ 20	c	5	V	
3356	A 4131A	36408		29.3	+17	01	6.1	.012	B9	+ 15	c	7	VY	S3 (26) *
3357	A 4131B	.....		29.3	+17	01	6.4	.008	A0	+ 20.9	b	4	V	
3358	RR Cam	.....		29.4	+72	26	9.6v	.....	gM6	- 61	c	2	W	SR 124
J359	€ Col	36597		29.4	-35	30	3.9	.044	K0	- 4.9	a	21	CL	*
3360	Ross 42	.....		29.4	+09	47	11.8	.30	dM4e	+ 17	d	3	W	SB (43)
3361	6 Ori	36486		29.5	-00	20	2.5	.002	B0	+ 16.0	b	357	6	IS +13.9 b *
3362	6848	36485		29.5	-00	19	6.9	.009	B3	+ 21	c	12	WV	IS +19.7 b *
3363	X Aur	36371		29.5	+32	09	4.9	.006	cB3	- 0.2	a	88	9	IS +7.4 b *
3364	t/ Ori	36512		29.5	-07	20	4.6	.004	32	+ 17.4	b	9	3	IS +27.8 b *
3365	6855	36425		29.7	+31	50	7.3	.035	A2	+ 5.5	b	5	D	
3366	6857	36404		29.9	+42	04	6.3	.005	B8	+ 1	c	4	D	
3367	6861	35783		30.1	+78	20	7.7	.278	dF3	+ 18.7	b	3	W	
3368	6863	36591		SO.2	-01	38	5.3	.008	B2	+ 34.3	a	12	3	IS +24.8 b *
3369	6865	36484		30.2	+32	46	6.5	.066	A2	+ 34	c	7	DV	SB (36) *
3370	6868	3649E		30.3	+34	42	6.0	.035	A2	- 14'	d	3	V	SB
3371	6869	36065		SO.4	+74	17	7.0	.120	dF2	- 18	c	4	W	
3372	6874	36629		30.5	-04	36	8.0	.021	B3	+ 21.2	b	4	L	
3373	a Lep	36673		30.5	-17	51	2.7	.006	cF3	+ 24.7	a	21	3	*
3374	6876	36468		30.5	+43	54	7.2	.047	B9	+ 40	c	6	D	
3375	RT Ori	36602		30.5	+07	07	8.1v	.062	N	+ 5	c	2	W	Irr
3376	6878	36646		30.6	-01	45	6.7	.046	B3	+ 37	c	5	V	
5377	6879	36576		30.6	+18	30	5.5	.004	B3ne	+ 44	c	11	3	IS +19.5 b *
3378	6882	36535		30.8	1-41	05	7.1	.030	M0	0	c	2	V	
3379	6833	36130		31.0	+74	40	7.5	.181	dG2	- 61.4	b	3	W	
3330	VV Ori	36695		31.0	-01	11	5.1v	.004	B2n	+ 22.2	b	140	AMd	IS +19.2 b *
3331	6886	36653		31.1	+14	16	5.6	.008	B3	+ 19.1	b	10	3	IS +9.8 b *
3382	6339	36843		31.2	-38	33	5.4	.033	K5	- 0.6	a	6	L	
3383	6890	36874		31.3	-35	10	5.8	.100	K0	+ 15.4	b	5	L	
3334	6891	36741		31.4	+01	22	6.4	.009	B5	+ 14.2	b	7	V	
3385	6893	36779		31.5	-01	04	6.2	.008	B3	+ 4	c	6	V	IS +33.2 b
3586	6898	36777		31.6	*03	44	5.3	.036	A2	- 9	c	12	3	*
3387	2 1296	36827		31.7	-02	55	7.8	.018	B8n	+ 4.6	b	4	L	
3388	6897	36724		31.8	+26	56	8.0	.100	sgF6	- 19	c	3	L	
3389	6904	66324		32.1	*Q8	38	6.7	.003	B5	+ 14	c	11	LV	*
3390	6907	36822		32*1	+09	27	4.5	.008	B0	+ 33.2	a	55	Y	IS +16.5 b *
339U	K 25-459	.....		32.1	*44	15	10.6	.....	B7	- 22	e	3	Md	IS -10 e
J392	23 & 36	.....		32.1	*29	15	9.5	.074	dG2	+ 47	c	3	W	
3393	6909	36496		32.1	-66	40	0.2	.030	A5n	- 24	d	3	V	
2334	6914	20398		32*4	-00	09	7.9	.018	B5	+ 10.1	b	4	L	
3395	A Ori	36881		32.4	*09	54	3.7	.006	08	+ 33.5	b	28	4	IS +14.3 b *
3396	A 417&B	36862		32.4	*09	54	5.6	.....	B2	+ 35.7	b	16	3	IS +15.8 b *
3397	S316	36^19		32.4	+24	00	5.3	.019	B3	+ 22.6	b	8	LW	IS +19.3 We *
3398	€20	36595		32.5	+09	39	7.7	.010	B3	+ 8	c	8	L	IS -15 d
3399	6921	S6€J		32.5	*54	24	6.0	.002	gM0	+ 0.9	b	3	W	
3400	6922	3671?		32.5	*47	41	6.0	.021	dFO	+ 13.5	b	9	WV	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	o	t		rr	km/sec					
3401	A 4182B	36959	5	32.6	-06	02	5.6	0.010	B1	+ 29.5	a	18	4	IS +29.1 a *
3402	A 4182A	36960		32.6	-06	02	4.7	.006	B1	+ 27.7	a	18	4	IS +21.1 b *
3403	44° 1247	36756		32.6	+44	17	7.2	.079	F6	+ 21.6	b	4	D	
3404	4° 1179	36958		32.6	-04	46	8.0	.009	B3	+ 23	c	4	L	
3405	-0° 1009	36954		32.7	-00	46	8.1	.008	B3	+ 0.9	a	45	L	Orb. Neubauer
3406	6° 1237	37000		32.7	-05	58	8.4	.016	B7	+ 18.8	a	36	L	Orb. Neubauer
3407	6927	37297		32.7	-64	16	5.3	.037	G8	+ 9.6	a	38	C	Orb. Lunt
3408	N1960-120	.....		32.8	+34	05	9.8	.....	B3	- 7.3	b	4	WL	IS 0 c *
3409	6930	36859		32.8	+27	38	6.5	.045	K5	- 9	d	5	D	SB (41)
3410	A 4186A	37020		32.8	-05	25	6.8	.010	O7	+ 33.4	b	33	3	IS +13 c *
3411	A 4186B	37021		32.8	-05	25	7.9	.016	O	+ 24.0	b	23	Md	IS +21 c *
3412	A 4186C	37022		32.8	-05	25	5.4	.004	O7	+ 28	c	43	3	IS +20.3 b *
3413	A 4186D	37023		32.8	-05	25	6.8	.003	B0	+ 31	c	27	3	IS +22.0 b *
3414	NGC 1976	37024		32.8	-05	25	.....	.....	Po	+ 17.5	a	78	3	Orion neb. *
3415	6° 1240	37025		32.8	-06	04	8.2	.022	B5	+ 22	c	7	L	
3416	N1960-162	.....		32.8	+34	07	9.2	.....	B4	- 5	d	2	L	
3417	N1960-173	.....		32.9	+34	10	9.9	.....	B7	+ 12	d	2	L	
3418	TU Ori	.....		32.9	-05	23	11.5v	.....	G9v	+ 8	e	1	Md	Ori?
3419	6932	37017		32.9	-04	32	6.5	.033	B2	+ 29	c	5	V	IS +27.5 b *
3420	6933	37016		32.9	-04	27	6.3	.033	B2	+ 31	c	5	V	IS +26.1 b *
3421	6934	37018		32.9	-04	52	4.6	.003	B2	+ 30	c	9	4	IS +26.7 b *
3422	A 4188A	37041		32.9	-05	27	5.2	.006	O9	+ 35.6	b	61	YMd	IS +16.7 b *
3423	A 4188B	37042		33.0	-05	27	6.5	.034	B1	+ 28.5	b	8	VY	IS +12.0 b *
3424	AH Ori	.....		33.0	-05	12	12.8v	.....	K0	+ 9	e	1	Md	Ori
3425	L Ori	37043		33.0	-05	56	2.9	.005	O8	+ 21.5	a	107	V	IS +27.4 b *
3426	A 4193B	.....		33.0	-05	56	7.3	.....	B8	+ 23	c	2	W	
3427	6938	36384		33.0	+75	01	6.4	.024	gMO	- 3	c	3	W	
3428	6939	37040		33.0	-04	24	6.3	.020	B3	+ 30	c	4	V	IS +27.0 b *
3429	6941	.....		33.1	+34	06	8.5	.021	B3	+ 11	c	3	LW	IS +5 c *
3430	N 1960-238	.....		33.1	+34	08	9.5	.....	B3	+ 2	c	4	LW	IS +13 c *
3431	N1960-249	.....		33.1	+34	06	9.4	.....	B3	+ 40	e	2	W	IS +3 c
3432	N1960-258	.....		33.1	+34	09	8.6	.....	B3	- 1	c	5	WL	IS +2 c *
3433	N1960-250	.....		33.1	+34	06	9.2	.....	B2	- 10	c	4	LW	IS +8 c *
3434	N 1960-271	.....		33.1	+34	04	9.7	.....	B4	- 25	d	2	L	
3435	5° 1325	37061		33.1	-05	18	9.1	.015	B8	+ 40	c	10	vw	IS +28.7 b *
3436	4° 1187	37058		33.1	-04	52	7.4	.016	B3	+ 22.8	b	6	V	IS +21 c
3437	6943	37055		33.1	-03	17	6.3	.009	B3	+ 24	c	5	V	
3438	TV Ori	.....		33.2	-05	03	13.4v	.....	K0	- 31	e	1	Md	Ori
3439	N1960-294	.....		33.2	+34	07	9.3	.....	B5	- 14	d	2	L	
3440	/3 Dor	37350		33.2	-62	31	3.8	.008	F5p	i- 6.8	a	110	LC	Orbits *
3441	6945	37077		33.2	-04	53	5.3	.014	gFO	- 8.5	b	8	LW	*
3442	AN Ori	.....		33.2	-05	30	10.7v	.....	K1e	+ 25	c	3	Md	iOri
3443	N1960-313	.....		33.2	+34	09	8.8	.....	B3	- 18	c	6	JLW	IS +8.8 b *
3444	N1960-350	.....		33.4	+34	02	8.7	.....	B3	- 8	c	3	LW	IS +8 d *
3445	N 1960-365	.....		33.4	+34	10	9.0	.....	B2e	+ 8	d	3	L	IS +5 c W3
3446	6952	36891		33.4	+40	09	6.2	.012	gG5	- 18.2	b	4	D	
3447	T Ori	.....		33.4	-05	30	9.5v	.....	A0	+ 41	d	3	Md	On
3448	6955	36994		33.4	i-25	55	6.3	.020	F5n	+ 3	c	4	S	
3449	A 4200A	37013		33.4	+21	58	7.2	.082	dF7	+ 26	c	6	W	SB (34/
3450	A 4200B	.....		33.4	+21	58	7.8	.....	dF6	+ 25.2	b	6	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'		//	km/sec						
3451	AQ Ori	.....	5	33.4	-05	31	14.5v	.....	K0	+ 20	e	1	Md	Ori
3452	5° 1330	37115		33.4	-05	39	7.0	.....	B5ne	+ 21	d	12	LD	SB *
3453	4° 1190	37129		33.6	-04	27	7.0	0.006	B3	+ 28	c	5	VW	IS +18.5 b *	
3454	€ Ori	37128		33.7	-01	14	1.8	.000	B0e	+ 26.1	a	130	5	IS +18.8 a *	
3455	43° 1315	36947		33.8	+44	03	7.4	.024	gGO	- 18.2	b	0	W		
3456	6964	37150		33.8	-05	41	6.4	.002	B3	+ 10.8	b	5	V	IS +27.2 b We	
3457	25° 2539	37212		31.8	-25	46	7.9	.015	N	+ 40	c	9	W		
3458	y Men	37763		33.9	-76	23	5.1	.310	K4	+ 56.7	a	10	LC	*	
3459	6968	37098		34.0	+26	54	5.7	.030	B8	+ 9.7	b	4	V		
3460	6971	37209		34.2	-06	06	5.6	.012	B1	+ 29.4	b	4	V		
3461	6972	37160		34.2	+09	16	4.4	.319	sgG6	+ 98.7	a	17	5	*	
3462	6973	37147		34.2	+17	01	5.4	.060	A5n	+ 41.1	b	8	3	*	
3463	6975	37171		34.3	+11	00	6.1	.049	gMO	-112	c	8	SW	SB *	
3464	6976	37008		34.3	+51	25	7.9	.544	dK2	- 44	c	3	W		
3465	6979	37138		34.5	+33	32	6.4	.008	K2	+ 29.1	b	4	D		
3466	6981	37232		34.6	+08	55	6.1	.001	B3	+ 42	c	5	V	IS +16 c	
3467	6982	37146		34.6	+35	35	7.3	.040	K0	+ 9	d	1	Y		
3468	t Tau	37202		34.7	+21	07	3.0	.023	B3e	+ 24.3	b	292	4	IS +20.5 b *	
3469	6990	37070		34.9	+56	20	6.9	.135	dF5	+ 20	c	10	VW	*	
3470	6994	37303		35.0	-05	58	5.8	.015	B3n	+ 28.8	b	5	VW	*	
3471	6996	37334		35.1	-04	58	7.3	.001	B3	+ 27.4	b	11	VL	*	
3472	7000	37320		35.3	+07	31	5.7	.018	B8	+ 18.5	b	5	V		
3473	7001	37356		35.4	-04	51	6.3	.022	B3	+ 29.1	b	4	V	IS +18 c	
3474	7002	37269		35.4	+30	28	5.5	.019	dA9n	+ 1.7	b	14	4	*	
3475	S Cam	36972		35.6	+68	46	7.6v	.058	R8e	- 13	d	6	W	Em -17 *	
3476	7010	37397		35.7	-01	12	6.7	.009	B3n	+ 23.2	b	6	V	IS -25.5 b	
3477	7013	37495		35.8	-28	43	5.3	.063	dF4	+ 36.0	a	22	3	*	
3478	26° 883	245770		35.8	+26	18	9.7	.014	Bine	+ 6	e	2	Md	IS +1 d	
3479	7014	37329		35.8	+26	35	6.5	.043	G8	+ 14.7	b	4	D		
3480	7015	37136		35.8	+61	55	6.6	.016	A5	- 15.5	b	5	D		
3481	42° 1362	37283		35.9	+42	39	7.4	.034	gK4	+ 17.3	b	3	W		
3482	A 4239A	37388		36.1	+23	16	8.6	.070	gF5	+ 41.3	b	4	W		
3483	A 4239B	.....		36.1	+23	16	9.0	.....	KF7	+ 45	d	1	W	
3484	7026	37367		36.1	+29	11	6.0	.017	B3	+ 30	d	5	V	SB	
3485	7028	37481		36.2	-06	36	5.9	.016	B3	+ 15	c	7	V		
3486	7030	37387		36.2	+23	18	7.8	.011	gKO	+ 6.0	b	3	W		
3487	30° 968	37366		36.2	+30	52	7.5	.013	B3	+ 21	d	5	D	SB (95)	
3488	> Ori	37468		36.2	-02	38	3.8	.004	B0	+ 29.2	b	73	5	IS +14.5 b *	
3480	7034	37479		36.3	-02	37	6.5	.022	B2	+ 29	c	4	V		
3490	7037	37538		36.4	+43	18	7.1	.039	K5	- 22	d	1	V		
Mil	7038	37439		36.4	+21	44	6.3	.037	A2	+ 37	d	4	V	SB 2-sp	
3492	<i>mm</i>	37507		36.5	-07	14	4.9	.054	A3	+ 4	d	11	3	*	
3483	<a Ori	37490		36.5	+04	06	4.5	.003	B3e	+ 21.8	a	79	4	IS +24.6 a *	
3494	1847	37438		36.6	+25	52	5.0	.032	B3	+ 14.8	a	79	O	IS +16.6 b *	
3495	RU Aur	.....		36.7	+37	37	9.9v	.....	gM8e	- 38	c	2	W	Em -52 *
3496	30° 970	37453		36.8	+30	04	a2	.018	cF5e	+ 45	d	3	LW	SB *	
»i-7	.....	245967i		37.0	+34	03	10.5	.....	B3	+ ft	d	2	Md	IS -4 e
3418	7062	37635i		37.1	-09	44	£i	.015	B5	+ 21	c	4	V		
3418	7063	37539i		37.2	+24	31	7.1	.018	m	+ 34	d	1	V		
3500	T064	37394i		37.3	+53	28	6.4	.521	dK2	+ 0.9	b	1	7	W	*

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			H.A.	Decl.										
			h	m	o	'	//	km/sec						
3501	7066	37519	5	37.4	+31	20	6.0	0.019	B9	- 7	c	6	D	
3502	7067	37557		37.4	+28	57	7.2	.024	G8	- 21	d	1	V	
3503	7068	37289		37.4	+65	40	5.8	.021	gK5	- 19.1	b	3	W	
3504	7071	37603		37.4	+15	19	6.7	.036	gFOn	+ 21.1	b	4	W	
3505	7072	37536		37.4	+31	54	6.7	.015	M0	+ 4.8	b	4	D	
3506	26° 899	246128		37.6	+26	58	9.0	.087	dG2	+ 58.9	b	3	W	
3507	7075	37574		37.7	+32	52	6.8	.012	F5	- 10	c	5	D	
3508	1° 1001	37674		37.7	-01	29	8.4	.010	B5n	+ 15	d	4	W	
3509	2° 1336	37699		37.8	-02	28	9.1	.005	B4n	+ 15	c	4	L	
3510	oc Col	37795		37.8	-34	06	2.8	.026	B8ne	+ 35	c	13	LY	*
3511	7082	37811		38.0	-32	39	5.5	.040	K0	- 8.3	b	3	L	
3512	33° 1120	37617		38.0	+33	54	7.9	.029	K0	+ 39	c	2	V	
3513	AB Tau	.....		38.0	+28	05	8.8v	.....	gM5	- 15	d	1	W	P142
3514	7085	37744		38.1	-02	51	6.1	.013	B3	+ 29.0	b	6	V	
3515	A 4262A	37646		38.2	+29	28	6.8	.037	B8n	+ 18	c	9	DV	SB *
3516	A 4262B	37647		38.2	+29	28	7.4	.055	A0	+ 19.1	b	5	D	
3517	\$ Ori	37742		38.2	-01	58	2.0	.004	BOne	+ 18.1	a	39	3	IS +19.6 a *
3518	A 4263B	37743		38.2	-01	58	4.2	.....	B3n	+ 13	e	1	V	IS +21.2 b *
3519	7091	37756		38.3	-01	09	5.0	.015	B3	+ 26.1	b	36	Q	IS +9 d *
3520	7094	37711		38.4	+16	31	4.9	.024	B3	+ 21	c	21	3	IS +20.9 b *
3521	1° 1005	37776		38.4	-01	32	8.2	.009	B3	+ 27	c	10	LW	*
3522	7097	37847		38.5	-20	19	7.0	.027	gG4	+ 36	c	2	L	
3523	7098	37788		38.5	+00	19	6.0	.033	A5	- 12	c	3	V	
3524	7104	37657		38.7	+43	02	7.0	.010	B3ne	+ 47.8	b	4	V	
3525	29° 960	.....		38.8	+29	15	8.7	.034	GO	- 4.8	b	6	D	
3526	7105	37601		38.8	+56	33	6.2	.034	sgG9	- 28.9	b	3	W	
3527	U Aur	.....		38.9	+32	01	7.4v	.....	gM7e	+ 15	e	2	W	Em +7.1 b *
3528	7113	37784		39.0	+22	38	6.5	*.023	K2	- 21.2	b	4	D	
3529	2° 1345	37903		39.1	-02	17	8.6	.017	B3n	+ 7.2	b	9	LW	*
3530	CC 344	.....		39.2	+12	30	11.7	2.53	sdM4	+103	c	3	W	
3531	29° 964	37800		39.3	+29	50	7.3	0.035	GO	+ 3.2	b	4	D	
3532	26° 907	246440		39.3	+26	54	8.9	.097	dGO	+ 57	d	3	W	SB
3533	NGC 2022	37882		39.3	+09	04	10.1	.....	Pf	+ 14.2	b	3	L	Em PL neb.
3534	38° 1261	37766		39.3	+38	11	7.2	.014	G7	+ 75	d	1	V	
3535	44° 1270	37736		39.3	+44	49	7.7	.016	dA5n	+ 5.9	b	3	W	
3536	7119	37971		39.5	-16	45	6.1	.010	B5	+ 15.5	b	6	L	
3537	7123	37881		39.5	+18	58	7.5	.033	K5	+ 12	d	1	V	
3538	7124	37638		39.5	+61	27	6.4	.002	gG5	- 3.6	b	3	W	
3539	43° 1332	.....		39.8	+43	28	9.2	.024	gM1	+ 15	c	4	W	SB (29)
3540	7135	37393		39.9	+74	36	7.3	.246	dG2	+ 25.0	b	3	W	
3541	7136	37984		39.9	+01	27	5.2	.056	gK1	+ 88.3	b	6	LW	*
3542	7142	37981		40.1	+14	09	3.9	.040	sgK1	+ 62.7	b	4	W	
3543	CC 346	38014		40.1	+02	40	8.8	.566	dK4	+ 55.5	b	3	W	
3544	13° 964	37982		40.2	+13	07	8.9	.064	dF3	+ 50	c	2	W	
3545	7148	37967		40.3	+23	11	6.1	.023	B3ne	+ 19.1	b	7	W	IS +18 c *
3546	7150	38170		40.5	-34	41	5.3	.053	B9	+ 34.2	b	5	L	
3547	7151	38089		40.5	-06	49	6.0	.069	F5	- 11	c	3	S	SB
3548	2° 1350	38087		40.5	-02	20	8.6	.005	B3n	+ 33	c	4	W	
3549	7152	38010		40.6	+25	25	6.9	.015	B3ne	+ 19	c	3	¥	IS +8 c *
3550	43° 1338	87987		40.6	+43	32	7.7	.016	gK1	+ 5.8	b	3	W	

Cat. No.	Star	&D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'			km/sec						
3551	62° 780	.....	5	41.0	+62	15	9.2	.....	dK5	- 13	c	4	W	Em +30 *
3552	R Oct	40857		41.1	-86	26	8.0v	0.0*53	gM6e	+ 46	c	3	L		
3553		7161		41.1	-80	31	5.6	1.110	GO	+ 11.6	b	4	L		
3554	6° 1008	38164		41.4	+06	30	7.7	0.032	gG5	+ 36	c	2	L		
3555	38° 1277	38092		41.5	+38	28	7.5	.034	gG9	+ 30	c	2	L		
3556	24° 940	38142		41.6	+24	54	8.0	.024	G5	+ 22.1	b	4	D	IS +2 d *	
3557	33° 1138	246901		41.6	+33	30	8.7	.025	cB1+K	- 1	d	2	Md		
3558		7175		41.7	+15	03	7.1	.018	gGO	+ 47.9	b	8	VW		
3559	42° 1387	38130		42.0	+42	50	8.0	.013	gK4	+ 11.6	b	3	W		
3560		7182		42.0	+49	48	5.5	.010	A2	- 6.4	b	10	3		
3561	TU Tau	38218		42.2	+24	24	8.7v	.009	N	- 24	c	3	W		Irr
3562	CC 347		42.2	+09	14	11.9	.61	sdF7	- 4	c	6	WMd		*
3563	ST Tan	38262		42.2	+13	33	8.5v	.006	cGOv	+ 1.0	b	12	W	Cep 4.03 *	
3564		7191		42.3	+56	06	6.1	.062	A2	+ 26	c	6	V	SB	
3565		7192		42.3	+40	29	6.5	.030	A3	- 4	c	2	V		
3566	A 4334B	38392		42.4	-22	26	6.4	.468	dK5	- 10.1	b	5	WMd	*	
3567	y Lep	38393		42.4	-22	28	3.8	.470	dF6	- 9.7	a	14	LC	A 4334A *	
3568		7198		42.4	+03	59	6.1	.027	gFOh	+ 8.2	b	5	SW	*	
3569	CP Tau	.....		42.6	+15	29	9.5v	.....	N	+ 22	d	1	W	Irr
3570	44° 1278	38188		42.6	+44	45	7.8	.029	B9n	+ 6.7	b	4	W		
3571		7199		42.6	+37	16	7.3	.702	dK2	- 30.9	b	4	WV	*	
3572		7201		42.6	+56	54	6.8	.035	A0	+ 19.7	b	6	V		
3573	Y Tau	38307		42.7	+20	41	6.8v	.007	N	+ 17	c	3	W	SB 241	
3574		7203		42.7	-21	41	6.7	.021	B4	+ 19a	b	4	L		
3575	12° 1258	38455		43.1	-12	27	7.6	.120	sgG7	- 33	c	2	L		
3576	47° 1194	38258		43.2	+47	27	7.4	.037	A0	- 2.9	b	5	D	IS +19 e *	
3577	10' 876	38411		43.2	+10	47	8.3	.028	gF3	+ 25.7	b	4	LW		
3578	25° 970	247331		43.3	+25	32	8.7	.022	B2e	- 14	d	2	Md		
3579		7221		43.7	+42	31	6.4	.088	K2	- 16.3	b	6	D		
3580		7225		44.0	+20	16	7.2	.006	K4	+ 11	d	1	V		
3581		7226		44.0	+01	09	6.1	.165	dG4	+ 28.9	b	7	DW		*
3582		7228		44.1	+09	30	5.9	.073	gG7	- 25.9	b	7	DW		*
3583		7230		44.1	-32	19	5.2	.025	B2n	+110	c	7	L		
3584		7236		44.4	+62	48	6.1	.009	A2n	- 6	c	3	V		
3585		7237		44.4	+14	28	5.7	.044	A2n	+ 21.0	b	8	DW	*	
3586	12° 896	38559		44.4	+12	19	7.2	.033	K3	+ 7	d	1	V	Cep 6.76 *	
3587	AO Aur	.....		44.5	+32	00	10.9v	.....	- 14.5	b	8	W		
3588		7239		44.5	+25	33	6.6	.014	K0	- 18.4	b	4	D		
3539		7241		44.5	+17	43	5.5	.010	gF4	+ 9.0	b	6	WY		*
3590	6 Borl	39014		44.7	-65	45	4.5	.030	A5	- 3	c	4	L		
3591	X Lep	38678		44.7	-14	50	3.7	.016	A2	+ 20	c	10	3		*
3592	16° 1242	38699		44.7	-16	40	7.6	.018	gK4	+ 30	c	2	L		
3993		7248		44.9	+24	40	7.2	.015	gK4	+ 15.2	b	4	WV	*	
3594		7249		44.9	+13	53	5.2	.023	B5	+ 28.3	b	25	3	*	
3595	FU Aur	38572		44.9	+30	37	8.0v	.012	N	+ 16	c	2	W	Irr	
3596		7256		45.0	+30	31	7.2	.043	K4	+ 24	d	1	V	Em +60 * Irr	
3597	S Coi	.....		45.1	-31	43	8.4y	.....	+ 73	c	2	W		
3558	AF Aur	38521		45.1	+44	54	9.9v	.012	N	- 11	d	1	W		
3590		7257		45.1	-46	37	5.1	.017	G8	+ 10.7	b	4	L		
380G	CC 553	39194		45.1	-70	11	8.3	1.26	dG0	+ 25	d	1	L		

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
3601	7261	38672	5	45.2	+12	24	6.6	0.006	B8	+ 27.0	b	4	V	
3602	7262	38710		45.3	+06	26	5.3	.021	dA5n	+ 42	c	12	4	SB *
3603	* Ori	38771		45.4	-09	41	2.2	.004	CB0	+ 20.6	b	26	4	IS +17.6 b *
3604	7265	38604		45.4	+39	31	6.9	.022	gG1	+ 20.0	b	3	W	
3605	7266	38670		45.4	+20	51	5.9	.027	B9	+ 7	d	6	V	SB (77)
3606	7273	36905		45.6	+85	10	6.4	.019	gMO	- 45.5	b	6	W	
3607	T Aur	38656		45.7	+39	10	4.6	.033	gG5	- 19.6	a	9	3	*
3608	29° 1004	38688		45.7	+29	44	8.2	.034	dF4	+ 31.1	b	3	W	
3609	7281	38686		45.9	+38	43	7.4	.043	K2	+ 31	d	1	V	
3610	7283	38751		45.9	+24	33	5.0	.028	gK3	+ 16.4	b	13	3	*
3611	25° 991	38750		46.0	+25	38	7.6	.017	K0	- 9	c	5	D	SB (16)
3612	29° 1009	38749		46.1	+29	43	7.8	.010	A6	- 11.2	b	4	W	
3613	7286	38858		46.1	-04	06	6.0	.231	dG4	+ 29.2	b	3	W	
3614	0 Pic	39060		46.1	-51	05	3.9	.083	A3	+ 28	c	3	L	
3615	7293	38618		46.3	+56	54	6.4	.010	A2n	+ 3.9	b	4	D	
3616	9° 970	.....		46.3	+09	53	9.0	.056	gKO	+ 50.7	b	3	W	
3617	7299	38807		46.5	+27	32	7.3	.038	K5	+ 48	d	1	V	
3618	7306	38899		46.7	+12	38	4.9	.032	B9	+ 19	c	18	3	*
3619	7308	38765		47.0	+51	30	6.4	.173	K0	+ 25.9	b	4	D	
3620	43° 1362	38817		47.0	+44	00	7.4	.018	A1	+ 32.5	b	5	D	
3621	-0° 1097	39008		47.2	-00	22	7.4	.039	gK3	- 12	c	2	L	
3622	7314	39007		47.3	+09	51	5.9	.012	gG3	+ 44.2	b	4	W	
3623	7315	39070		47.3	-14	30	5.6	.052	gG6	- 2.3	b	4	W	
3624	7319	38645		47.5	+68	28	6.4	.044	G7	- 1.1	b	4	D	
3625	7320	39051		47.6	+04	25	6.1	.047	gK2	+ 27	c	6	DW	*
3626	V Aur	38944		47.6	+37	18	5.0	.062	gM1	+ 37.7	a	5	LV	*
3627	7323	39019		47.6	+14	18	5.7	.039	gG9	+ 45.5	b	9	W	*
3628	27° 887	38998		47.7	+27	41	7.7	.026	gM5	+ 27.8	b	3	W	
3629	7325	39190		47.8	-22	59	5.8	.027	A2	+ 44	e	1	L	
3630	7326	39004		47.8	+27	57	5.6	.012	gG7	+ 7.6	b	5	W	
3631	20° 1205	39205		48.0	-20	06	9.4	.018	A0	- 56	e	1	L	
3632	7332	39099		48.0	+14	02	6.8	.017	gKO	- 47.6	b	3	W	
3633	V Aur	39003		48.0	+39	08	4.2	.008	gK1	+ 9.7	a	10	3	*
3634	7335	39169		48.1	-01	27	7.9	.044	sgKO	+ 3	c	4	W	
3635	7338	39045		48.2	+32	07	QA	.006	M2	+103.2	b	4	D	
3636	17° 1031	39147		48.2	+17	49	8.2	.077	dF4	- 25.5	b	3	W	
3637	30° 1034	39116		48.5	+30	44	8.2	.038	dF4	+ 4	c	2	L	
3638	R Col	39324		48.6	-29	13	8.2v	.....	gM3e	+ 70	b	3	W	Em +57.4 *
3639	21° 1011	248434		48.6	+21	32	10.5	.. # .	B5ne	- 63	e	1	Md	IS -18 e
3640	Y Pic	39523		48.9	-56	11	4.4	.100	K1	+ 15.7	a	8	LC	*
3641	7354	39291		49.0	-07	32	5.3	.001	B3	+ 20	c	12	3	*
3642	8 Lep	39364		49.2	-20	53	3.9	.685	dG7	+ 99.3	a	15	3	*
3643	7363	39182		49.2	+39	34	6.5	.030	A2	- 19.0	b	3	V	
3644	/8 Col	39425		49.2	-35	47	3.2	.402	gK1	+ 89.4	a	23	3	*
3645	7369	39225		49.4	+33	54	6.4	.011	M0	+ 99.9	b	4	D	
3646	7374	39317		49.5	+14	10	5.6	.019	B9	- iA	b	5	V	
3647	7377	39640		49.8	-52	07	5.0	.078	G8	+ 1*3	a	8	L	
3648	7380	39400		49.8	+01	51	5.0	.009	cK2	+ 10.4	a	8	LW	*
3649	7384	39844		49.9	-66	55	5.2	.023	B5	+ 15.8	b	9	L	
3650	7389	39357		50.2	+27	36	4.5	.017	A0	- 16.1	a	60	O	Orb. Cannon

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	o	t			km/sec					
3651	7391	39330	5	50.2	+36	07	7.4	0.074	G8	+ 2	d	1	V	
3652	7397	39417		50.3	+20	17	6.6	.014	B9	- 6	c	6	V	
3653	7402	39220		50.5	+59	53	5.3	.020	A0	- 2.9	a	25	V	Orb. Harper
3654	§* Aur	39283		50.7	+55	42	4.9	.019	A2	- 11.8	b	15	4	*
3655	22° 1090	248893		50.8	+22	06	<u>10.0</u>	. » . *	B0	+ 23	d	2	Md	IS +12 c
3656	7407	39720		50.8	-37	38	5.6	.041	K0	+ 32	d	1	L	
3657	16° 904	39508		50.9	+16	09	8.2	.015	B3n	- 29.6	b	8	L	
3658	7409	39477		51.0	+30	29	7.5	.005	B5n	+ 4	c	5	V	
3659	31° 1134	248890		51.2	+31	08	10.4	. » . »	B4	- 13	d	2	Md	IS +11 c
3660	16° 1292	39688		51.3	-16	16	7.0	.113	dF7	+ 3	c	2	L	
3661	X Col	39764		51.3	-33	49	4.9	.034	B5	+ 30.0	b	6	L	
3662	31° 1136	248903		51.4	+31	08	9.4	.020	B3	0	e	2	Md	IS -23 c
3663	X Ori	39587		51.4	+20	16	4.6	.204	dF9	- 13.5	a	25	4	*
3664	7420	39632		51.5	+10	35	6.5	.010	K0	+ 13.3	b	4	D	
3665	36° 1292	39526		51.5	+36	15	7.4	.021	G5	- 20	d	1	V	
3666	7423	39685		51.6	+03	13	6.6	.079	K1	- 4.2	b	4	D	
3667	6° 1347	39716		51.6	-06	46	8.6	.035	B5	+ 16.8	b	4	L	
3668	CC 357	.....		51.7	-14	23	<u>10.8</u>	.53	sdF9	+ 12	c	2	Md	
3669	7426	39586		51.7	+31	42	5.8	.183	A3	- 20.8	b	4	V	
3670	22° 1096	39645		51.9	+22	31	7.6	.009	gG7	+ 19.4	b	3	L	
3671	7432	39680		51.9	+13	51	7.9	.002	BOe	- 18	c	8	L	IS -3 c SB
3672	7436	39698		52.0	+19	45	5.9	.010	B3	+ 7.2	b	17	V	IS +18.5 b *
3673	17° 1051	39699		52.1	+17	24	7.4	.018	gK5	+ 31.1	b	4	LV	*
3674	7439	39777		52.1	-04	04	6.4	.021	B2	+ 25.4	b	6	V	IS +24 d 4
3675	7440	39775		52.2	+00	58	6.2	.003	K1	+ 21.7	b	4	D	
3676	7445	39551		52.3	+51	48	6.5	.013	A3	- 11.6	b	3	V	
3677	29° 1039	39713		52.3	+29	10	7.8	.027	G5	+ 68.9	b	4	D	
3678	7449	39853		52.4	-11	47	5.8	.076	gK4	+ 87.4	b	3	W	
3679	a Ori	39801		52.5	+07	24	0.9	.028	cM2	+ 21.0	a	341	4	*
3680	7452	39429		52.5	+66	05	6.6	.050	K2	- 22.2	b	4	D	
3681	H 2149	39659		52.6	+46	07	10.2	.....	Pd	- 33.6	a	6	LWc	Em PL neb. *
3682	28° 946	249179		52.8	+28	46	9.7	.....	B5ne	+ 34	e	2	Md	IS +22 e
3683	U Ori	39816		52.9	+20	10	5.2v	.016	gM8e	- 20.8	a	15	We	Em -33.8 *
3684	Z Ori	.....		<u>53.0</u>	+13	41	<u>9.6v</u>	.....	<u>B3</u>	+ 2	b	23	Md	IS +24.0 b *
3685	7463	39910		53.0	-04	37	6.0	".042	gK2	+ 25.6	b	3	W	
3686	12 ^m 951	3882		53.2	+12	57	8.3	.040	B5	+ 14	d	8	L	IS -3 c SB
3687	7469	39881		53.2	+13	56	6.5	.609	dGO	- 2.1	b	5	WV	*
3688	7470	39743		53.2	+49	01	6.4	.030	G3	- 1.6	b	4	D	
3889	7472	39886		53.4	+28	56	6.4	.007	A2	+ 19	c	2	V	
3690	7473	40200		53.4	-49	38	6.2	.011	B5	+ 12.2	b	4	L	
3091	38 ^a 1335	33845		53.5	+38	17	7.2	.056	K2	+ 31	d	1	V	
3892	c Men	40953		53.6	-79	22	5.6	.066	B9e	+ 5	e	1	L	
3593	7477	40409		53.7	-63	06	4.5	.557	sgK3	+ 25.1	a	8	LC	*
3694	74TO	40292		5X7	-52	39	5.3	.244	A5	+ 24.2	b	4	L	
3695	§ Col	40176		5X3	-37	08	5.0	.037	K1	+ 59.5	b	8	LC	*
3696	7483	39970		53.9	+24	15	6.0	.007	CB9	+ 0.5	b	14	WV	IS +8.0 b *
3697	7484	39863		53 J 1	+45	54	0.6	.007	G5	+ 2.8	b	4	D	
3898	r 27 ^c 923	30948		54.0	+27	19	7.7	.015	G5	+ 13.5	b	4	D	
3699	7485	40005		54.0	+16	21	6.9	.012	B3	+ 32	d	8	V	SB
3700	7488	40020		54.0	+11	31	6.1	.113	G5	+ 21.0	b	4	S	

Cat. No.	Star	BLD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			H.A.		Decl.									
			h	m	°	t		/	km/sec					
3701	BQ Ori	39983	5	54.1	+22	50	6.9v	0.011	gM5e	+ 30	d	2	W	SR 126
3702	t) Lep	40136		54.1	-14	11	3.8	.144	dF2	- 1.6	b	14	LC	*
3703		40151		54.1	-22	51	6.0	.122	dKO	+ 34.0	b	3	W	
3704		40040		54.1	+15	44	7.9	.267	dG4	- 24.0	b	3	W	
3705	26° 1011	40002		54.2	+26	51	8.0	.017	gK2	- 32	c	3	W	
3706	24° 1036	249499		54.2	+25	00	9.3	.063	dK4	+ 3	c	4	W	SB (25)
3707	20° 1232	40170		54.3	-20	02	8.4	.125	dF6	- 6	c	2	L	
3708	4 Col	40248		54.5	-31	23	5.5	.008	F0	+ 19.4	b	4	L	
3709	42° 1450	39967		54.5	+42	51	8.0	.028	sgF6	- 60	d	2	L	
3710	10° 1323	40169		54.5	-10	07	9.0	.011	A2	+ 74	e	1	L	
3711		7503		54.7	+14	03	7.0	.010	K2	+ 7	d	1	V	
3712		7507		54.9	+25	57	4.9	.005	B0	+ s	c	6	y	IS +10.5 b *
3713		7513		55.1	+38	53	7.3	.031	K2	+ 10	d	1	V	
3714	2° 1096	40259		55.2	+02	04	8.3	.050	dFO	- 30	d	2	L	
3715		7515		55.2	-06	06	7.6	.011	gM2	+ 40.4	b	3	W	
3716		7517		55.3	+01	13	6.5	.070	K5	+ 36.7	b	4	D	
3717	6 Aur	40035		55.4	+54	17	3.9	.153	gG6	+ 8.2	a	11	3	*
3718		7523		55.5	+49	55	6.1	.013	gG4	- 4.1	b	6	DW	*
3719	6° 1077	40300		55.5	+06	30	8.1	.026	sgF3	- 12	c	2	L	
3720		7527		55.6	+55	19	6.5	.091	A2	+ 45	c	2	V	
3721		7529		55.6	+67	01	6.9	.031	A0	- 16	c	4	V	
3722		7532		55.7	+54	33	6.3	.040	K1	- 5.6	b	4	D	
3723	7° 1072	40333		55.7	+07	51	7.3	.017	K2	+ it	d	1	V	
3724		7534		55.7	+45	37	6.6	.044	A2	- 12	c	5	D	
3725	y Col	40494		55.8	-35	17	4.4	.008	B3	+ 24.2	a	8	L	
3726		7537		55.8	+21	14	8.6	.008	B9	- 3.4	b	6	W	
3727		7538		55.8	+25	46	6.6	.049	K0	+ 0.3	b	4	D	
3728		7539		55.8	+01	50	6.1	.009	A5	+ 45	d	4	D	SB (106)
3729		7540		55.8	+46	32	7.2	.028	B5	+ 5	c	5	V	
3730	j8 Air	40183		55.9	+44	57	2.1	.051	A2n	- 18.2	a	172	6	*
3731		7546		56.0	+18	49	7.1	.030	K2	- 34	d	1	V	
3732		7547		56.1	+12	48	5.8	.022	gG4	+ 11.5	b	3	W	
3733	w Aur	40239		56.2	+45	56	4.6	.009	gM3	+ 0.9	a	9	3	*
3734		7556		56.3	+00	33	5.2	.015	A1	+ 34	c	14	4	SB *
3735	6 Aur	40312		56.3	+37	13	2.7	.097	Alp	+ 29.3	a	12	4	A 4566A *
3736	A 4566B	.....		56.3	+37	13	7.2	.....	G	+ 38.8	b	3	V	
3737		7560		56.6	-09	23	6.3	*.018	cF2	+ 15	c	4	W	SB (25)
3738		7563		56.7	+44	35	6.4	.049	gK2	+ 1.7	b	3	W	
3739		7565		56.7	-09	34	5.1	.054	A5	+ 21.7	a	32	Y	Orb. Elvey
3740	66° 423	40567		56.8	+66	58	8.2	.031	sgF5	- 9	d	2	L	
3741	2° 1102	40512		56.9	+02	28	8.1	.014	sgP5	+ 45	c	2	L	
3742		7567		56.9	+28	07	7.0	.021	K0	+ 4	d	1	V	
3743		7569		57.0	+27	16	6.8	.078	K0	+ 96	c	5	D	SB (16)
3744		7572		57.1	+31	56	7.2	.010	KQ	- 20	d	1	V	
3745		7580		57.2	+47	54	5.7	.024	A0	+ 16.4	b	4	D	
3746		7583		57.4	+84	58	8.8	*2G4	dG3	- 25.4	b	3	W	
3747		7587		57.6	-03	04	4.7	.071	gK2	+ 25.9	a	5	L	
3748		7589		57.6	-00	30	7.7	.022	B9n	+ 31	d	4	W	SB 2-sp
3749	71 COI	40808		57.6	-42	49	4.0	.025	KG	+ 17.0	a	13	LC	*
3750	SV Gem	.....		57.6	+24	29	10.2v	.....	B3	+ 29	b	21	Md	IS +14.5 b *

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
			h	m			//	km/sec					
3751	AZ Aur	.....	5	57.6	+39 40	10.5v	.....	Ne	+ 84	b	8	W	Em +65 b *
3752	Z Aur	.....		57.7	+53 18	8.9v	.....	cKOev	-165	c	9	W	RV 111 *
3753	DN Ori	.....		57.7	+10 13	8.9v	.....	*	+ 8.5	b	68	Md	A0e+gF5 *
3754	N 2129-3	.....		57.9	+23 20	10.1	.....	B3	+ 15	d	4	WL	IS +24 c *
3755	7597	40589		57.9	+27 34	6.1	0.006	B8p	+ 16.6	b	4	S	
3756	7598	40486		57.9	+48 58	6.2	.011	K0	+ 10.7	b	4	D	
3757	7600	40588		57.9	+31 02	6.0	.007	A0	- 11	c	3	V	
3758	23° 1148	250289		58.0	+23 20	8.3	.019	B1	+ 11	d	7	3	IS +12 c *
3759	23° 1149	.....		58.1	+23 18	7.4	.008	B1	+ 14.2	b	8	LW	IS +14.7 b *
3760	9° 1294	40761		58.2	-09 51	9.7	.021	B9	- 31	e	1	L	
3761	7606	40055		58.3	+75 35	6.5	.026	K5	+ 3.7	b	4	D	
3762	RW Gem	.....		58.4	+23 09	9.6v	.....	B6+F0	+ 5	d	33	Md	EA 2.87 *
3763	16° 967	40773		58.8	+16 56	7.4	.013	K2	- 17	b	1	V	
3764	DP Ori	.....		58.9	+10 55	10.5v	.....	gM7	- 10	c	2	W	
3765	7616	40626		58.9	+49 54	6.0	.057	A0	+ 22.2	b	4	D	
3766"	7617	38847		58.9	+85 00	8.8	.177	dG2	- 70	c	4	W	
3767	7625	40722		59.3	+43 23	6.5	.035	K1	- 19.2	b	4	D	
3768	5° 1476	40936		59.4	-05 07	9.2	.061	F5	- 7	d	2	L	
3769	7630	41047		59.5	-33 55	5.6	.023	K5	+ 19	d	1	L	
3770	7631	40967		59.5	-10 36	5.0	.007	B8	+ 39	c	4	L	SB
3771	RZ Gem	.....		59.6	+22 14	10.0v	.....	cGOv	+ 6.5	b	8	W	Cep 5.53 *
3772	fl Ori	40932		59.6	+09 39	4.2	.033	A2	+ 45	c	169	Y	
3773	7636	40832		59.6	+32 38	6.2	.227	dF5	+ 34.1	b	4	S	
3774	7637	41214		59.6	-51 13	5.8	.097	A0	+ 5	c	2	L	
3775	22 ^c 1147	40897		59.7	+22 03	8.4	.012	B9n	+ 6.2	b	6	W	
3776	7640	40964		59.7	+01 42	6.5	.008	A0	+ 3	c	3	V	
3777	7641	40801		59.7	+42 55	6.1	.188	gGB	+ 37.6	b	3	W	
3778	19° 1182	40910		59.7	+19 56	8.6	.029	A1	+ 16.1	b	6	W	
3779	7642	40931		59.7	+13 02	7.4	.038	gMO	+ 16	b	3	LV	*
3780	25 ^c 1089	40895		59.8	+25 54	8.0	.082	dF7	- 20.9	b	3	W	
3781	AC 82° 1111	.....		59.8	+82 08	10.1	1.30	dM2	- 21	c	2	Md	
3782	18° 1067	40960	6	00.0	+18 01	7.8	0.042	gK1	+ 42	c	3	L	
3783	RS Aur	.....		00.2	+46 18	11.1v	.040	gM4e	+ 17	c	3	W	Em +9 *
3784	7655	39861		00.2	+81 31	T9	.381	dG5	- 27.0	b	3	W	
3785	CC 364	250792		00.2	+19 22	9.2	.916	dF8	-190	c	4	W	
3786	A 4629A	40959		00.3	+27 39	8.8	.041	sgG5	- 2.8	b	3	W	
3787	A 4629B	.....		00.3	+27 39	9.3	.....	dA7n	+ 27	d	4	W	SB (71)
3788	14 ^c 1124	41028		GG.3	+14 22	8.2	*.068	sgF4	- 3	c	3	L	
3789	7662	41040		00.5	+19 42	5.2	.019	B8	+ 12	c	11	LY	SB *
3790	7663	40873		00.5	+51 35	6.3	.046	A5	+ 20.3	b	5	V	
3791	7664	40647		00*6	+69 29	8.1	.117	dG6	- 17.4	b	3	W	
3792	7665	41076		00.6	+11 41	6.0	.022	A0	- 11	c	2	V	
3793	7667	40827		00.7	+59 24	7.1	.052	G8	+ 31.4	b	4	D	
3794	XZ Aur	.....		00*7	+47 17	12.5v	.....	N	+ 19	d	1	W	
3795	7668	41165		00.8	+03 52	7.3	.072	K3	+ 25	d	1	V	
3796	7671	40708		00.8	+67 39	8.8	.310	dG5	+ 48	c	4	W	SB (26)
3797	7674	40978		00.9	+46 35	7.0	.017	B3ne	- 3	e	7	V	
3798	S" 1075	250980		00.9 I	+09 40	9.2	.030	BOne	- 1	d	2	Md	IS +2 c
3799	7675	41117		003	-120 08	4.7	.010	cB1e	+ 16.8	a	73	5	IS +12.9 a *
3300	28" 1343	41255		01.1	-16 02	8.0	.076	dF7	- 3	c	2	L	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes		
			R.A.		Decl.											
			h	m	°	'			km/sec							
3801		7676	41116	6	01.1	+23	16	4.3	0.105	gG5	+ 20.2	a	51	V	Orb. Young	
3802	21°	1099	41140		01.1	+21	30	8.1	.017	A5n	+ 32	c	6	W		
3803		7677	41139		01.1	+25	27	7.0	.042	G7	+ 19	d	1	V		
3804		7680	41312		01.2	-26	17	5.2	.105	gK3	+182.6	b	11	3		*
3805	2°	1118	41253		01.4	+02	52	7.5	.014	B5	+ 33.8	b	6	V		
3806		7685	41074		01.5	+42	59	5.9	.150	dA8n	+ 34.1	b	3	W	IS +16.7 b *	
3807		7688	41162		01.6	+37	58	6.4	.012	F8	+ 5.1	b	4	S		
3808	25°	1105	41221		01.6	+25	11	8.6	.073	dF7	- 7.1	b	3	W		
3809		7691	41335		01.8	-06	42	5.1	.006	B2ne	+ 51	d	10	3		
3810		7693	40956		01.9	+63	28	6.5	.026	K0	- 15.0	b	4	D		
3811	23°	1179	251204		02.0	+23	24	<u>10.4</u>	B0	+ 7	e	2	Md	IS +11 c *	
3812	16°	989	41285		02.0	+16	40	7.5	.014	B5n	- 5.0	b	4	V		
3813		7697	41161		02.1	+48	15	6.5	.010	O9n	+ 5	d	7	V		
3814		7698	41304		02.1	+14	24	6.7	.205	dF6	+ 36.5	b	3	W		
3815	AS	Aur	.....		02.2	+28	48	<u>11.8v</u>	.....	.....	+ 10	c	5	W
3816		7701	41269		02.3	+33	36	6.1	.020	B9n	+ 24.9	b	4	S	Cep 3.18	
3817		7702	41361		02.3	+05	25	5.8	.003	gG7	+ 19.9	b	3	W		
3818		7704	41380		02.3	+04	10	5.7	.004	gG4	+ 33.2	b	3	W		
3819		7708	41534		02.5	-32	10	5.6	.130	B4	+ 94	c	13	LW		*
3820		7709	41433		02.6	+00	52	7.1	.019	G7	- 14	d	1	V		
3821		7711	41511		02.8	-16	29	5.0	.006	A0	+ 20	c	142	Y	*	
3822		7713	41330		02.8	+35	24	6.1	.331	dGO	- 11.8	b	5	WV	*	
3823		7714	41460		02.8	+00	37	7.3	.023	K5	0	d	1	V	Cep 4.91	
3824	CC	366	.....		02.8	+26	34	9.3	.416	dK6	- 91.5	b	3	W	
3825	CR	Ori	.....		02.9	+13	14	<u>12.6v</u>	.....	.....	+ 40	c	5	W
3826	28°	1008	41398		03.0	+28	56	14	.011	B0	+ 17.9	b	6	V		IS +12 c
3827		7721	41547		03.1	-10	14	5.8	.027	dF4	+ 32.5	b	3	W		2-sp
3828		7723	41357		03.1	+38	29	5.3	.055	A3	+ 17.9	a	53	0	Orb. Young	
3829		7725	41L429		03.2	+29	31	6.3	.020	M4	--35.5	b	4	D	*	
3830		7729	41456		03.3	+26	32	7.6	.009	gG5	- 20.1	b	6	DL		
3831	AA	Gem		03.5	+26	20	<u>9.8v</u>	cKO	+ 9.5	b	7	W		Cep 11.3
3832		7732	41608		03.6	-05	52	7.2	*.033	gM1	+ 7	c	3	L		
3833	S	Lep	41698		03.7	-24	11	6.0v	.032	gM5	+ 12	c	2	W		SR 95
3834	35°	1339	41479		03.7	+35	14	7.4	.014	KO	- 4	d	1	V	*	
3835		7739	41543		03.8	+23	39	6.9	.006	gK4	- 15.3	b	7	WV		
3836		7740	41593		03.8	+15	33	7.6	.156	dKO	- 11.7	b	3	W		
3837		7741	41467		03.9	+41	52	6.3	.026	K0	+ 5.5	b	4	D		
3838	0	Lep	41695		03.9	-14	56	4.7	.023	AOn	+ 32	c	11	LV		*
3839	26°	1079	41563		03.9	+26	40	7.5	.019	gG6	- 6.3	b	3	LV	*	
3840	23°	1197	251696		03.9	+23	12	<u>10.1</u>	B5n	+ 58	e	1	Md	IS +36 e	
3841		7750	41692		04.2	-04	11	5.4	.009	B5	+ 20.3	b	12	3	*	
3842		7757	41541		04.3	+42	40	6.9	.021	B5	+ 4.6	b	10	LV	*	
3843	18°	1095	41658		04.4	+18	48	8.3	.011	gF3	+ 22	c	2	L	*	
3844	+0°	1285	41733		04.4	+00	05	7.4	.006	K4	+ 35	d	1	V		
3845		7762	41756		04.4	-03	20	6.8	.012	B5	+ 19.3	b	9	LV		
3846		7763	41841		04.4	-23	06	5.5	.032	A2	- 14.6	b	5	L		
3847		7764	41814		04.5	-11	10	6.4	.004	B5	+ 12.9	b	8	L		
3848		7766	41599		04.6	+36	04	7.1	.063	KO	+ 44	d	1	V	Cep 3.89	
3849	CS	Ori	.....		04.6	+11	09	<u>11.0v</u>	.....	.....	+ 15.5	b	8	W
3850		7769	*41690		04.6	+21	53	8.0	.016	B2	+ 15.5	b	6	W		

Cat. No.	Star	E.L.D. No.	1950				Magn.	P.M. Fr.XVI.	Spec.	WL	Q	No. PI.	Obs.	Notes
			B.A.		DecL									
			h	m	°	'			km/sec					
3851	▷ Ori	41753	6	04.7	+14	47	4.4	0.028	B3	+ 22.1	a	117	O	IS +12.4 b *
3852	74°	275		04.8	+74	32	8.1	.011	gF5	- 19	c	2	L	
3853		7780		04.9	+41	04	6.4	.057	KO	- 87.1	b	4	D	
3854		7788		05.3	-34	18	5.9	.004	B5n	+ 18	c	5	L	
3855		7793		05.5	+14	00	8.8	.009	B3	- 1	c	13	LW	IS +12 c *
3856	N 2169-3	.....		05.5	+14	01	9.0	.....	F5	+ 29	d	2	L	
3857		7794		05.5	-19	10	5.5	.056	gM2	+ 29.4	b	6	W	
3858		7796		05.6	+58	57	5.4	.036	gG8	+ 31.1	a	4	L	
3859	SS Gem	.....		05.6	+22	38	<u>9.2</u> _v	.004	cG4v	- 5	b	13	W	BV 89.3 *
3860	13°	1123		05.6	+13	56	8.8	.011	B5	+ 32	c	10	L	IS +9 c SB
3861	13°	1121		05.6	+13	43	9.0	.011	B5	- 6	c	8	L	IS +22 c
3862	A 4728A	41943		05.7	+13	59	7.8	.027	B2	+ 15	c	8	3	IS +17.9 b *
3863	A 4728B	.....		05.7	+13	59	8.5	.....	B1	+ 23	c	3	WL	IS +17 c *
3864	N 2169-16	252266		05.7	+13	58	9.0	» .. .	B3n	+ 17.8	b	14	L	IS +14 d W1
3865	e coi	42167		05.8	-37	15	5.1	.004	B9	+ 45.3	b	3	L	
3866	6°	1420		06.0	-06	32	8.9	.020	B2n	+ 10.3	b	5	L	
3867	5°	1515		06.0	-05	20	8.5	.008	B3	+ 13	c	6	L	
3868	15°	1079		06.0	+15	43	8.5	.017	BO	- 18	d	8	L	IS +10 c *
3869	62°	818		06.3	+62	20	8.6	.025	B2n	+ 45	c	3	W	IS +1 d
3870		7816		06.3	-42	09	5.5	.017	AO	+ 31	c	6	L	
3871		7817		06.4	+02	31	5.6	.020	AO	+ 34.2	b	4	D	
3872		7824		06.5	+22	12	6.0	.020	gK4	+ 7.8	b	7	DW	*
3873		7825		06.6	-62	09	5.0	.080	K5	+ 21.6	b	4	L	
3874		7S27		06*7	+23	07	5.8	.012	B2e	+ 16	c	8	V	IS +8-8 b *
3875	20°	1284		06.7	+20	31	7.4	.008	06	+ 23.4	b	10	VW	IS +12 c *
3876	3°	1308		06.8	-03	47	7.9	.008	B5	+ 13.1	b	5	L	
3877		7830		06.9	-22	25	5.5	.041	AO	+ 44	c	6	L	
3878	30°	1133		07.0	+30	34	7.8	.069	gG7	+ 24	c	2	L	
3879	14 ^a	1170		07.0	+14	52	7.3	.010	B9	+ 16	c	5	D	
3880	6°	1431		07.1	-06	19	9.1	.016	B4	+ 10.3	b	4	L	
3881	5°	1521		07.1	-05	03	8.4	.034	B5ne	+ 13	d	6	L	IS +13 d W1
3882	14 ^m	1171		07.2	+14	05	8.8	.006	B2	- 16	c	8	L	IS -33 d
3883		7841		07.3	-14	34	5.7	.066	gK2	+ 31.1	b	3	W	
3884	30°	1138		07.4	+30	58	8.1	.020	dF7.	- 43	c	2	L	
3885		7B44		07.5	+23	01	6.7	.007	B9n	- 5	c	4	W	SB (41)
3886	76 ⁶	226		07.7	+76	30	7.8	.032	dF5	- 16.5	b	3	W	
3887		7849		07.7	-22	46	5.7	.106	<IF6	+ 22.2	b	4	W	
3888		7850		07.7	+52	40	a3	.076	A2	+ 13	c	2	V	
3889	A 4773B	42126		07.8	+48	44	6.8	.072	AO	+ 29	c	3	V	
3800	A 4771A	42127		07.8	+48	43	6.1	.058	AO	+ 33	c	3	V	
3891	TV Gem	42272		07.8	+26	02	7.4 _v	.014	N	+ 48	c	2	W	Irr
3892		7856		07.8	+65	44	5.4	.031	gK2	+ 6.5	b	16	3	SB *
3893		7880		08.0	+13	40	6.7	.026	B3	+ 14	d	6	V	
3894		7864		08.1	+18	08	6.4	.051	K1	- 2.9	b	4	D	
3809	CC 375	.....		08.2	+10	21	10.1	.92	dM3	+ 52	e	2	Md	
3896		7866		08.2	+12	00	7.7	.011	B5	+ 8	d	8	L	SB (200)
3897	X Aur	42212		08.3	+50	15	7.9?	• • •	gM3e	- 18	c	2	W	Em -26 c *
3898		7870		08.4	+20	55	6.9	.008	B8	+ 10.0	T	3	y	
3899	i	7872		08.5	+24	26	5.9	.057	gEO	+ 22	c	4	W	SB (S2)
mm	CC 377	42581f		08.5	-21	50	8.2	• 722	dM2	+ 2	c	6	WMd	*

General Catalog of Velocities

Cat. No.	Star	R.D. No.	1870		Magn.	P.M.	Type	Vel.	Q	No. Pl.	Obs.	Notes	
			Asc.	Decl.									
3901	RR Aur	4933	h	0	8.0v	0.08	GM3e	+95	o	9	W	Em +14 *	
3902	8N	4919	08.5	+48	5.0	0.08	M	+100	o	1	L		
3903	8N	4919	08.6	-8"	5.8	0.05	EK1	+100	o	1	W		
3904	8N	4947	08.6	+18	5.8	0.09	A	+88.5	o	3	O	*	
3905	8N	4947	08.7	+7	6.8	0.02	A	+88	o	3	O		
3906	TV OBr	4947	08.8	+22	6.0	0.03	GM2	+7	o	2	W	EFT	
3907	WY Gem	42474	08.8	+89	7.4	0.05	GM8	+6	o	4	WV	*	
3908	WY Gem	4310	09.1	-88	5.0	0.05	B8	+5.5	o	1	L		
3908	88	42508	09.1	+28	5.7	0.18	M8	+30.8	o	3	V		
3910	88	4947	09.2	+88	8.0	0.08	M	-51.1	o	6	W	*	
3911	88	4933	09.1	+14	4.4	0.04	B3n	+94	o	3	Y	IS +13.0 b Wc	
3912	88	4934	09.8	+20	4.8	0.02	B3n	+98	o	6	8	IS +10 o *	
3918	88	4937	09.8	+09	8.8	0.02	B8	+99	o	1	V		
3914	Br	4954	09.8	+28	6.1	0.10	18	+21.5	o	4	W	Irr	
3915	88	4958	09.8	+0	7.2	0.09	18	-52.8	o	8	W		
3916	88	4958	09.8	+54	4.8	0.02	M	+9	o	5	L	8 (84)	
3917	88	4958	09.8	+70	5.8	0.02	RO	+8	o	2	M		
3918	88	125891	09.4	+80	8.5	0.02	M	+88.5	o	3	M	IS +10 c *	
3920	88	4885	09.5	+20	7.4	0.04	M	+88.5	o	3	V		
3921	88	42743	09.8	-21	6.8	0.06	B3n	+17	o	7	LW	IS +12 d *	
3932	88	42468	10.0	+52	6.8	0.08	88	+10.8	o	4	D		
3928	88	42788	10.0	-00	8.1	0.30	A	+84	o	1	L		
3924	88	4225	10.0	+70	7.0	0.44	O7	+85	o	4	W	#	
85	88	4280	10.4	+0	9.5	0.301	W	+9	o	6	W		
86	88	4980	10.4	-1	6.0	0.05	B4n	+80.4	o	1	L		
3927	88	4985	10.7	-03	7.5	0.05	GM7	+49.0	o	2	L	*	
3928	88	4985	10.9	+37	8.0	0.02	CF8v	+4	o	4	W	RV 5 o *	
8828	88	42908	11.0	+08	9.3	0.08	M	+34.5	o	8	L	IS +28 o	
3930	88	43405	11.2	-05	6.8	0.05	UM	+88.5	o	5	L		
3931	88	43098	11.2	-15	6.8	0.14	GO8	+9	o	2	W		
3932	88	42682	11.2	+07	5.6	0.04	EK8	+20.2	o	8	WV		
3939	88	42958	11.2	+02	7.2	0.08	DK	+88	o	8	W		
8834	88	42880	11.4	+29	8.0	0.09	LS	+88	o	9	L		
3935	88	43088	11.4	-08	5.8	0.02	EG7	+48.0	o	9	W		
8836	88	42984	11.6	+9	5.7	0.17	A	+24	o	1	V	SB (21)	
3937	88	43050	11.7	+7	7.8	0.00	A	+18	o	3	V		
3938	88	43854	11.7	-74	5.2	0.09	6	+95.0	o	3	W		
3939	88	43049	11.8	+25	8.7	0.00	O5	+81.5	o	5	W		
3940	88	42985	11.8	+92	8.1	0.00	GM8	+18.0	o	168	6	W	SB (21)
3941	88	43000	11.8	+14	7.0	0.36	B9	+12	o	7	D		
3948	88	43044	11.8	+14	7.4	0.17	A0h	+15	o	7	O		
8842	88	43042	11.8	+18	5.0	0.12	OF	+95.4	o	2	O		
3944	88	43258	12.1	-18	7.9	0.08	GM9	+71.8	o	2	W		
3945	88	40058	12.2	+29	4.4	0.272	GM	+20.2	o	15	4	W	
8846	88	4301	12.2	+0	7.2	0.04	DF4	+9	o	1	W		
3947	88	4312	12.2	+13	5.0	0.06	DF4	+6.8	o	1	WV	* IS +8.0 *	
8848	88	4322	12.4	-0	4.2	0.03	8	+4.8	o	2	WV		
3948	88	4315	12.4	+0	4.2	0.03	8	+4.8	o	2	WV		
3948	88	4315	12.5	+0	7.5	0.30	K5	+0	o	1	V		

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
3951		7987	43153	6 12.5	+16	10	5.3	0.017	B8n	+ 23	c	14	3	*
3952	3°	1180	43286	12.9	+03	59	7.4	.009	B6	+ 39	b	7	V	
3953		7996	43247	12.9	+12	34	5.4	.002	B9	+ 12.7	c	11	3	*
3954	CC	380	.....	13.0	+47	05	9.2	.53	dG6	+ 27	c	2	W	
3955	+0°	1349	43301	13.0	+00	51	7.2	.044	B5n	+ 9	d	5	V	
3956		7998	43285	13.0	+06	05	6.0	.026	B5ne	+ 26	c	5	V	
3957		8001	43318	13.0	-00	30	5.7	.275	dF6	- 36	c	3	W	
3958		8010	43317	13.1	+04	18	6.4	.018	B5	+ 13	c	8	V	SB
3959		8013	43246	13.2	+28	52	7.3	.028	dFO	- 1	c	5	W	SB (50)
3960		8014	43147	13.2	+44	44	8.6	.426	dK1	- 35	c	3	W	
3961		8015	43261	13.3	+23	59	6.1	.016	gG5	- 20.9	b	3	W	
3962		8016	42973	13.3	+61	32	5.3	.004	gM3	+ 11.3	b	5	LW	*
3963		8017	43358	13.3	+01	11	6.3	.034	F5	+ 2.6	b	4	D	
3964		8020	42818	13.3	+69	20	4.7	.106	A0	- 17	c	4	VY	*
3965		8024	43445	13.5	-13	42	5.0	.014	B9	+ 38	d	8	LY	*
3966		8025	43335	13.5	+17	12	6.5	.018	Ma	+ 37.9	b	5	D	
3967	20°	1339	43502	13.6	-20	11	7.5	.018	gKO	+ 49	c	2	L	
3968		8028	254229	13.6	f25	14	9.8	.436	dK6	+ 44	e	3	W	
3969		8033	43386	13.6	+12	17	5.1	.205	dF5	+ 8.7	a	10	3	*
3970		8037	43244	13.9	+46	27	6.5	.042	A2n	- 8	c	5	V	
3971	13°	1182	254428	13.9	+13	31	<u>9.1</u>	...	B0	+ 18	d	2	Md	IS +15 c
3972		8038	43544	13.9	-16	36	5.9	.008	B5n	+ 13.6	b	4	L	
3973		8039	43384	13.9	+23	46	6.3	.006	cB3	+ 13.2	b	10	W	IS +12.4 b 6
3974	18°	1157	43458	14.2	+18	56	7.1	.028	KG	+ 35	d	1	V	
3975	15°	1139	43496	14.2	+15	52	7.2	.007	B9	+ 12.0	b	5	D	
3976		8051	43525	14.4	+09	58	5.3	.064	A2n	+ 13	c	9	3	*
3977		8055	43380	14.6	+46	23	6.5	.132	gK2	0.0	b	3	W	
3078	15°	1328	43670	14.0	-15	06	7.9	.016	gK3	+ 38.7	b	3	W	
3979		8058	43587	14.6	+05	07	5.8	.269	dGO	+ 12.8	b	6	W	*
3980		8061	43583	14.7	+14	05	6.5	.015	B9	+ 10	c	5	D	
3981	a	Col	43785	14.8	-35	07	4.5	.081	G8	+ 24.2	a	8	LC	*
3982	22°	1263	254577	14.8	+22	25	<u>9.5</u>	.019	B0	+ 18	d	2	Md	IS -6 d
3983	28°	1071	43537	14.8	+28	02	7.4	.028	A0	+ 11.6	b	4	D	
3984	GK	Or!	.....	14.9	+08	33	<u>9.5v</u>	.....	N	+ 46	d	1	W	P236
3985		8065	43745	15.0	-22	42	6.0	.280	dGO	- 2.9	b	4	W	
3986		8068	43378	15.2	+59	02	4.4	.022	A2	- 3.6	b	17	4	*
3987		8069	43624	15.2	+27	14	6.7	.075	gKO	- 49	c	8	VW	SB *
3988		8070	43760	15.2	-10	42	6.7	.008	gF2	+ 26.7	b	3	W	
3989		8073	43683	15.2	+14	24	6.0	.017	AOn	+ 11	c	10	DV	*
3990	-0°	1246	.....	15.3	-00	13	<u>9.5</u>	.....	N	+ 34	d	1	W	
3991		8075	43899	15.3	-37	43	5.6	.079	K0	+ 70	d	1	L	
3992		8076	43297	15.4	v65	31	8.6	.284	dG3	- 16.3	b	3	W	
8993		8078	43646	15.4	+29	48	6.9	.050	A0	+ 11.7	b	4	D	
3994		8080	43827	15.5	-16	48	5.3	.012	gK2	- 8.1	a	9	3	*
mm	22 ^c	1273	254755	15.5	+22	42	9.2	.004	O9	+ 9	c	2	Md	IS -10 c
3996	~Q ^d	1247	43777	15.6	-00	21	8*3	.020	B3n	+ 20.4	b	4	L	
mm		8092	43740	15.9	+23	37	6.6	.012	gG3	+ 41.5	b	8	VW	*
5198		8096	43821	15.9	+09	04	6.4	.047	KO	- 14	c	4	S	
3399	MSB	17	.....	16*0	-01	08	<u>9.2</u>	**	N	+ 80	d	1	W	
4000		8099	43955	16.1	-19	57	5.3	.011	B3	+ 23	d	6	LY	IS +26 d *

Cat. No.	Star	ED. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.								
			h	m	°		"		km/sec				
4001	6° 1191	43856	6	16.1	+06 45	8.1	0.050	dF6	- 58.0	b	3	L	
4002	8101	43819		16.1	+17 21	6.2	.914	B9	+ 4	c	5	D	
4003	8104	43818		16.3	+23 29	7.0	.011	B0	+ 18.2	b	4	V	
4004	8107	43993		16.5	-09 22	5.7	.033	gK1	+ 7.1	b	3	W	
4005	14° 1399	44007		16.5	-14 49	8.3	.076	sdGO	+166.9	b	3	W	
4006	8108	44021		16.5	-15 00	6.3	.022	gM1	+ 51.0	b	4	W	
4007	8111	43931		16.6	+13 27	7.0	.045	F6	+ 43	c	8	DS	SB *
4008	42° 1533	43795		16.7	+42 49	7.8	.031	gG6	- 50	c	2	L	
4009	8115	43906		16.8	+25 02	7.5	.060	K5	- 60	d	1	V	
4010	8117	43947		16.8	+16 02	6.5	.021	GO	+ 42.5	b	5	D	
4011	-0° 1255	44019		16.8	-00 54	7.6	.027	sgK2	+ 39	c	2	L	
4012	8119	43885		16.8	+28 27	7.1	.039	A3n	+ 5	d	3	V	
4013	8120	44081		16.8	-20 54	5.7	.013	B5	+ 30.9	b	6	L	
4014	24° 1204	255191		17.1	+24 16	<u>10.7</u>	....	cB1	+ 24	e	2	Md	IS +20 e 1
4015	8131	44033		17.2	+14 40	6.0	.017	gMO	+ 33.3	b	9	DW	*
4016	8132	44112		17.3	-07 48	5.1	.007	B3	+ 29	c	13	4	IS +23 c *
4017	8137	44131		17.5	-02 55	5.2	.014	gM1	+ 47.0	a	10	3	*
4018	8140	43749		17.5	+61 47	7.2	.112	dF2	+ 7.8	b	7	VW	*
4019	8147	43812		17.6	+59 24	6.0	.004	A2n	- 24	d	4	W	*
4020	18° 1178	44073		17.6	+18 04	7.6	.020	gG7	+ 16	c	2	L	
4021	8151	43905		17.7	+53 29	5.4	.102	dF4	- 0.5	a	28	V	Orb. Harper
4022	WW CMa	.....		17.7	-21 38	8.4 _v	.....	.....	+ 56	c	5	W	Cep 5.77
4023	8154	44323		17.9	-34 22	5.8	.007	B9n	+ 26	c	6	L	
4024	8155	44071		17.9	+29 24	6.9	.037	F2	- 10.0	b	4	D	
4025	8156	44092		18.0	+29 34	6.3	.057	A0	+ 25	d	3	V	
4026	8158	44173		18.1	+11 47	6.4	.025	B5n	+ 18.8	b	4	V	
4027	8159	44213		18.1	+05 46	8.1	.028	gM5	+ 16.5	b	3	W	
4028	w 44214			18.2	+05 46	9.3	.011	A4n	+ 42.0	b	3	W	
4029	8161	44172		18.2	+14 44	7.3	.012	B5	- 30	d	7	V	SB
4030	f CMa	44402		18.4	-30 02	3.7	.004	B5	+ 32.2	a	74	L	Orb. *
4031	8172	44234		18.5	+17 47	6.5	.049	K0	+ 10.4	b	4	D	
4032	22° 1294	44253		18.6	+22 56	8.1	.022	dF4	+ 36.2	b	7	WL	*
4033	SV Mon	44320		18.7	+06 30	<u>8.8_v</u>	.032	cG6 _v	+ 26.5	b	10	W	Cep 15.2 *
4034	8180	44506		18.8	-34 07	5.6	.027	B2n	+ 73	c	11	L	
4035	8181	44333		18.8	+02 18	6.2	.030	A5	- 26	d	5	V	
4036	8183	44250		18.9	+29 59	7.1	.015	A0	+ 8	c	5	D	SB
4037	8186	44458		19.1	-11 45	5.5	.011	B2ne	+ 21	d	10	3	IS +24 d *
4038	-0° 1266	44420		19.2	-00 31	7.7	.177	dG4	+ 5.3	b	3	L	
4039	2° 1200	44418		19.2	+02 22	7.4	.015	K0	- 9	d	1	V	
4040	BN Mon	.....		19.2	+07 22	<u>12.7_v</u>	.....	N	+ 28	a	15	W	SR 500
4041	RS Ori	44415		19.4	+14 42	<u>8.2_v</u>	<u>a</u> Q21	cF6 _v	+ 42.0	b	13	W	Cep 7.57 *
4042	14° 1260	44414		19.5	+14 53	8.4	.080	gGO	+ 19.3	b	3	W	
4043	n 2165	44519		19.5	-12 57	10.0	.....	Pe	+ 52.6	b	8	LWc	Em PL neb. *
4044	8203	44497		19.8	+12 36	6.0	.051	dFO	+ 20.9	b	9	DW	*
4045	8207	44496		19.9	+17 36	6.8	.024	AOn	+ 21	d	4	V	
4046	li Gem	44478		19.9	+22 32	3.2	.129	gM3	+ 54.8	a	16	4	*
4047	V Mon	44639		20.2	-02 10	6.0 _Y	.072	gM5e	+ 30	c	2	W	Em +16 *
4048	V Aur	44388		20.3	+47 44	8.1 _v	.....	Ne	+ 6	d	1	W	Em +3 *
4049	3° 1218	44638		20.3	+03 47	7.5	.019	K0	- 1	d	1	V	
4050	* Col	44762		20.3	-33 25	4.0	.064	G1	- 2.6	a	38	LC	Orbits *

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes			
			R.A.	Decl.											
			h	m	°	'		km/sec							
4051	0	CMa	44743	6	Si0.5	-17	56	2.0	0.004	cB1	+ 33.7	a	698	L	*
405ii		8224	44701		20.5	-03	15	6.6	.008	B5u	+ 8	c	19	V	Orb. Pearce
4053	15°	1176	44637		20.6	+15	08	7.7	.014	B3e	+ 20	c	16	DL	IS +13 c *
4054		8227	44700		20.7	+03	47	6.2	.014	B3	+ 29	c	6	V	IS +13 c
4055	78°	224	4^748		20,7	+78	01	7.8	....	gG5	+ 8	c	3	L	
4056	7°	1402	.....		20.9	-07	27	9.5	....	N	+ 52	d	2	W	
4057	ZZ	Gem	44653		20.9	+25	03	8.9v	.017	Ne	+ 76	d	1	W	Em +64 *
4058	y/	Aur	44537		21.0	+49	19	5.1	.008	cMO	+ 4.7	a	21	LV	*
4059	19°	1331	256413		21.1	+19	56	8.9	.018	B3	+ 17	d	8	L	IS +6 c *
4060	14°	1276	44738		21.1	+14	08	7.3	.016	AOp	+ 22	c	5	D	
4061		8238	43680		21.1	+79	41	8.4	.157	gKO	+ 2.7	b	4	W	
4062	A	5012A	44769		21.1	+04	37	4.5	.020	A6n	+ 15.8	b	41	3	*
406.	A	5012B	44770		21.1	+04	37	6.5	.024	cIF4	+ 16.3	b	3	W	
4064		8243	44771		21.2	+02	42	7.1	.025	G5	+ 19	d	1	V	
4065		8248	44783		21.3	+08	55	6.1	.020	A0	+ 9	c	2	V	
4066	8°	1314	256577		21.3	+08	20	9.7	.007	BOe	+ 11	e	2	Md	IS +26 d
4067	20°	1373	44894		21.4	-20	55	8.3	.013	gG6	+ 19	c	2	L	
4068		8261	44780		21.6	+25	05	6.6	.012	gG9	+ 7	c	9	DW	SB (40) *
4069		8263	44766		21.7	+29	44	6.5	.022	B7	+ 29	c	6	D	
4070	19°	1335	44811		21.7	+19	44	8.7	.017	B0	+ 10	c	9	L	IS +14 c
4071	11°	1159	44853		21.8	+11	17	7.0	.014	K2	+ 52	d	1	V	
4072		8265	44951		21.8	-11	30	5.4	.069	gKS	- 26.1	a	8	LC	*
4073		8267	45018		21.9	-25	33	5.7	.035	gK5	+ 33.5	b	3	W	
4074		8270	44867		22.0	+16	05	6.4	.067	G7	+ 73	c	5	D	SB
4075	v	Pic	45229		22.0	-56	21	5.7	.049	A0	+ 6.7	b	4	L	
4076	58°	924	44630		22.1	+58	45	8.0	.078	sgF5	- 38	c	2	L	
4077	19°	1339	256725		22.1	+19	52	9.7	....	06	+ 38	d	2	Ma	IS +36 d
4078		8279	44904		22.2	+17	01	6.8	.008	B8	+ 3	c	6	D	
4079	RR	LJ:I	44691		22.2	+56	19	5.6v	.027	A6	- 12.7	a	30	0	EA 9.94 *
4080	IV	1162	44965		22.4	+11	43	7.7	.005	B3	+ 27	c	8	L	IS +24 c
4081		8287	44708		22.5	+58	27	5.5	.010	gK5	- 2.8	b	6	LW	*
4082	26"	2983	.....		22.5	-27	03	8.6	....	N	+ 23	d	1	W	
4083	9°	1232	44987		22.5	+09	12	7.5	.006	GB	+ 35	d	1	V	
4084		8290	44927		22*5	+23	21	6.0	.026	A0	- 32	d	3	V	
4085	T	M3a	44990		22.5	+07	07	5.8v	.006	cG6v	+ 32.0	b	47	W	Cep 27.0 *
4086		8293	44472		22.5	+70	34	6.0	.023	A2	- 32	c	2	V	
4087	BI	Orl	44984		22.6	+14	45	6.3v	.006	N	+ 12	b	5	LW	*
4088		8296	4-1871		22.7	+21	40	6.6	.017	gG6	- 23.6	b	3	W	
4089		8297	45050		22.7	+01	32	6.5	.022	A0	+ 7	c	3	V	
4090		8298	45067		22.7	-00	55	5.8	.317	FO	+ 45#1	b	4	S	
4091	a	Car	45348		22.8	-52	40	-0.9	.025	cFO	+ 20.5	a	114	LC	*
4092		8304	45289		22.9	-42	50	6.3	.772	dG4	+ 48	c	2	W	
4093	I	900	45043		23*0	+17	49	....	....	P	+ 47.2	b	5	L	15 m PL nph
4094		8310	45669		25.1	-69	57	5.6	.031	K0	+ 15.7	b	7	L	
4095	15°	1191	45089		23.2	+15	11	7.0	.017	K2	- 54	d	1	y	
4098	JAB	Gem	45087		21.3	+19	06	8.2v	....	N	+ 11	b	3	W	Irr
4097	112°	2148	45122		2X3	-12	13	8.5	.008	B5	+ 8	c	8	L	IS +20 c
4098	S	1332	45168		23.5	+03	01	9.6	....	W7a	+ 7	c	7	L	IS +37 c *
4099		6324	45180		23.8	+15	33	6.7	.016	B9	+ 10	c	7	D	
4100	AG	Ajr	.....		23.8	+47	04	10.0v	....	cK2ev	+195	b	16	W	RV 192 *

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.											
			h	m	°	'			km/sec						
4101		8327	45194	6	23c8	+13	08	6.6	0.106	F8	- 6	c	8	D	SB
4102	11°	1179	257366		24.1	+10	58	8.9	.008	B3e	- 3	c	7	L	IS +7 c
4103		8334	45321		24.1	-04	34	6.1	.006	B3	+ 10	c	7	V	
4104	29°	1228	45207		24.03	+29	40	8.0	.017	G5	+ 33	c	4	D	SB (30)
4105		8342	45192		24.3	+32	36	6.4	.062	K0	+ 57.02	b	6	D	
4106	SW	Mon	.....		24.4	+05	24	9.2v	.....	gM5	+ 39	q	2	W	SR 112
4107		8344	45357		24*4	+00	52	6.5	.022	AOn	+ 10	c	5	D	
4108		8346	45314		24.4	+14	55	7.1	.014	B2ne	+ 10	d	8	V	IS +18 c *
4109	-0°	1298	45379		24.4	-01	01	8.2	.021	gF3	+ 25.4	b	3	L	
4110		8351	45418		24.5	-04	19	6.9	.006	B5n	+ 14.6	b	3	V	
4111		8354	45796		24.6	-63	48	6.4	.028	B7	- 1	c	4	L	
4112		8355	45416		24.7	+00	20	5.3	.010	cKO	+ 32.8	a	13	3	*
4113		8356	45433		24.7	-00	15	5.8	.008	gK5	+ 38.8	b	3	W	
4114		8357	45415		24.7	+02	56	5.8	.047	gG9	+ 53.0	b	8	W	*
4115		8359	45352		24.8	+20	49	6.6	.060	gK2	- 30.1	b	4	W	
4116	29°	1231	45336		24.9	+29	16	7.6	.016	gMO	- 4	c	4	W	
4117		8365	45394		25.0	+20	32	6a	.030	A0	+ 39.3	b	4	D	
4118	V	Lyn	.....		25.1	+61	35	8.6v	.018	gM6	- 29	e	3	W	SR
4119	RT	Aur	45412		25.4	+30	32	5*0v	.007	cF8v	+ 21.6	a	52	LMi	Cep 3.73 *
4120		8376	45391		25.4	+36	31	7.1	.364	dGO	- 4.1	b	3	W	
4121		8378	45546		25.5	-04	44	5.0	.008	B3	+ 24.5	a	38	4	*
4122	30°	1240	257670		25.5	+30	19	8.5	.017	gFO	- 4.3	b	4	W	
4123		8379	45512		25.5	+10	20	6.2	.050	K1	- 20.3	b	4	D	
4124		8382	45506		25.6	+16	16	6.3	.112	G6	+ 40.9	b	4	D	
4125	6°	1564	45585		25.6	-06	54	8.9	.006	B5n	+ 7.2	b	6	L	
4126		8388	45504		25.8	+27	00	6.5	.138	F5	- 6.8	b	8	DS	*
4127	11°	1191	257971		25.9	+11	20	8.9	.002	B2	+ 12	c	9	L	IS +22.5 b
4128		8390	46116		25.9	-69	40	5.4	.199	G4	+ 9.1	b	8	LC	*
4129		8392	257886		26.0	+27	03	8.3	.492	dK4	- 47.0	b	3	W	
4130		8393	45677		26.0	-13	01	7.5	.025	B2ep	+ 25	c	9	W	IS +7 c *
4131	v	Gem	45542		26.0	+20	15	4a	.018	B5ne	+ 39.4	a	83	O	Orb. Harper
4132		8405	45638		26.2	+11	03	6.4	.028	F0	+ 41.1	b	4	D	
4133	29°	1241	45541		26.2	+29	31	8.0	.022	A2n	+ 43.7	b	3	W	
4134		8408	45984		26.3	-57	58	5.7	.028	K0	+ 12.7	b	3	L	
4135	X	CMa	45813		26.3	-32	33	4.5	.033	B5	+ 41	c	5	L	
4136		8411	45466		26.3	+46	43	6.0	.004	gK4	- 47.3	b	3	W	
4137	(5	Mon	45725		26.4	-07	00	4.7	.018	B3ne	+ 22	c	31	4	IS +21 c *
4138	A	5107B	45726		26.4	-07	00	5.2	.019	B3ne	+ 18	c	5	3	*
4139	A	5107C	45727		26.4	-07	00	5.6	.....	B3ne	+ 23	c	2	Y	
4140		8416	45410		26.4	+58	12	6.0	.337	sgG8	+ 36	c	4	WV	*
4141		8419	45724		26.6	+02	41	6.4	.041	MO	+ 9.2	b	4	D	
4142		8421	45871		26.8	-32	20	5.8	.018	B3n	+ 23	c	10	L	
4143	CC	390	.....		26.8	-02	47	11.3	.97	dM4e	+ 24	e	5	W	
4144	9°	1483	45805		27.0	-09	10	7*5	.060	K1	+ 48	d	1	V	
4145	30°	1245	258213		27.1	+30	29	8.4	.034	gKO	+ 15	c	4	W	SB (23)
4146	17°	1268	45757		27a	+17	56	7.3	.023	AO	+ 36	c	4	D	
4147		8426	45721		27.2	+28	15	6.8	.015	A3n	- 4	c	6	D	
4148	7°	1314	45789		27.2	+07	09	IS	.020	B3	+ 5	d	9	LV	IS +24 c *
4149		8430	45827		27.4	+09	04	as	.021	AOp	+ 14	d	5	V	IS +22 d W1
4150	29*	1248	45784		27.6	+29	51	sa	.040	dF2	+ 34.8	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
4151	62° 853	45528	6	27.6	+62	48	7.6	0.060	gG9	- 47	c	2	L	
4152	2° 1262	45901		27.7	+02	53	8.8	.008	BOe	+ 12	d	8	L	IS -3 d *
4153	8438	45783		27.7	+32	50	8.1	.031	gM2	+ 48.0	b	3	W	
4154	8441	45911		27.8	+04	22	7.9	.010	B3	+ 0.2	b	8	L	
4155	AX Mon	45910		27.9	+05	54	6.6v	.030	B3eq	- 1	c	149	3	IS +19.6 b *
4156	DH Gem	.....		28.1	+12	31	9.4v	.....	N	- 8	d	2	W	SR 25
4157	8449	45951		28.3	+16	59	6.2	.0*53	gK2	+ 26.9	b	4	W	
4158	8450	46064		28.3	-13	07	6.1	.025	B2	+ 2.3	b	4	L	IS +6 c
4159	8451	45899		28.4	+32	12	6.9	.030	B8	- 3.4	b	4	D	
4160	8452	45995		28.4	+11	17	5.8	.018	B3ne	- 20	c	7	V	IS +22.8 b *
4161	8456	46114		28.5	-17	53	7.7	.274	dG4	+ 1.3	b	3	W	
4162	17° 1277	45993		28.5	+17	27	7.3	.016	K2	+ 49	d	1	V	
4163	9° 1269	258853		28.5	+09	50	9.0	.013	B3	- 11	d	8	L	IS +19.0 b *
4164	8458	46273		28.6	-50	12	5.3	.086	F2	+ 2	d	5	L	SB (53)
4165	8459	46355		28.6	-56	49	5.2	.047	G8	+ 12.9	b	3	L	
4166	8461	46017		28.7	+16	52	7.1	.018	K2	+ 4	e	1	V	
4167	4° 1291	46056		28.7	+04	52	8.0	.017	BOe	+ 18	d	13	LV	IS +18 d *
4168	8462	46031		28.7	+15	56	6.4	.022	A5n	+ 20.9	b	9	D	
4169	Lee 50	.....		28.9	+16	09	10.6	.....	N	+ 17	d	1	W	
4170	6° 1275	258982		28.9	+06	12	9.5	.....	B2	+ 62	e	2	Md	IS +16 c
4171	4° 1295	259012		28.9	+04	53	9.0	.023	B4	- 1.4	b	9	L	IS +7.4 b
4172	5° 1278	46107		29.0	+04	58	8.8	.008	A2	+ 30	d	2	L	
4173	5° 1279	46106		29.0	+05	04	8.1	.014	B0	+ 13	c	16	3	IS +16 c *
4174	8468	46089		29.0	+11	35	5.1	.034	A2	- 3.2	b	14	3	*
4175	8470	46184		29.1	-12	21	5.3	.043	gK2	+ 17.2	b	11	3	*
4176	8473	46185		29.1	-12	31	6.8	.028	B3	+ 6.9	b	4	L	
4177	6° 1276	46122		29.1	+06	49	7.7	.060	SgG3	- 8	c	2	L	
4178	WW Aur	46052		29.2	+32	30	5.7v	.028	A7+A7	- 9.4	a	27	L	EA 2.53 *
4179	5° 1281	.....		29*2	+04	58	9.2	.013	B4	+ 23	d	2	L	
4180	5° 1282	46149		29.2	+05	04	7.7	.024	08	+ 33	c	20	3	IS +23.5 b *
4181	8477	46150		29.3	+04	59	6.8	.007	06	+ 36.3	b	11	VW	IS +23.1 b *
4182	N 2244-15	.....		29.3	+04	58	<u>10.4</u>	.....	B3	+ 34	c	5	LW	IS +30 c *
4183	N 2244-8	.....		29.4	+04	55	<u>8.5</u>	.....	B2	+ 12	e	2	W	IS +19 c *
4184	A 5166B	.....		29*4	+17	49	<u>11</u>	.056	dF6	+ 2	c	8	VW	*
4185	A 5166A	46136		29.4	+17	49	7.2	.048	dF6	+ 0.4	b	9	VW	*
4186	4° 1299	259135		29.4	+04	53	8.9	.....	B2	.....	..	8	L	IS -6 c
4187	8485	46229		29.4	-08	07	5.6	*.015	gK2	+ 2.9	b	3	W	
4188	8487	46016		29.4	+46	31	6*8	.006	B8	- 4.9	b	5	D	
4189	N 2244-13	.....		29.4	+04	55	<u>9.7</u>	.....	B3	+ 34	c	4	WL	IS +13 6 b *
4190	15° 1230	46148		29.5	+15	45	7.1	\oii	F8	- 13	c	4	D	SB (27)
4191	8489	46223		29.5	+04	52	7.1	.018	08	+ 43.4	b	10	3	IS +18.5 b *
4192	5 ^c 1280	40202		29.5	+05	00	8.2	.008	B2	+ 24	c	13	LW	IS +8 c *
4198*	8493	40178		29.6	+11	43	6.2	.035	IQ	- 20.9	b	4	D	
4194	8494	46241		29.7	+04	54	6.0	.038	gG8	+ 20.7	b	6	WL	*
4199	§ CHa	48328		29.8	-23	23	4.4	.011	B1	+ 26.7	b	23	3	*
4196	30" 1256	46158		29.9	+30	21	8.0	.038	A2n	- 9	d	4	W	SB 2-sp
4197	8501	4W48		30.0	+52	30	6*8	.081	A3n	+ 9	c	2	V	
4198	8504	46509		30.1	-51	47	5.6	.132	F9	+ 15.7	b	4	L	
4199	8505	42855		3tU	+86	44	6.6	.107	gG8	+ 25.7	b	8	VW	*
4200	8506	46300		30.2	+07	22	4.5	.008	cAO	+ 12.3	a	36	5	IS +11.6 b *

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
4201	17° 1291	46264	h 6	m 30o2	+16 59	7.9	0.002	B5	- 4	c	8	L	IS -5 c
4202	4° 1558	46339		30.2	-04 25	8.9	.036	B3n	+ 6.1	b	7	L	
4203	7° 1462	46380		30.3	-07 28	8.4	.013	B3ne	+ 15	c	5	L	
4204	10° 1172	259431		30.3	+10 22	9.0	.031	B2e	+ 18	c	8	L	IS +18 c
4205	8508	46101		30.4	+55 24	6.5	.004	K4	- 19.5	b	4	D	
4206	29° 1264	259274		30o4	+29 42	8.2	.006	gF2	- 0.4	b	3	W	
4207	20° 1432	46446		30.4	-20 59	7.1	.011	B4n	- 2	c	6	L	
4208	8509	46251		30.4	+33 04	6.4	.016	A0	- 9	c	3	V	
4209	1° 1391	46377		30.5	+01 19	7.4	.029	gK4	+ 14o8	b	3	LV	*
4210	11° 1524	46428		30.5	-12 01	8.5	.008	B4n	+ 10.7	b	6	L	
4211	C 809	45821		30.6	+72 04	7.8	.263	dG1	+ 41.3	b	3	W	
4212	8514	46568		30.6	-37 39	5.3	.098	G5	+ 39.0	a	9	LC	*
4213	8515	46792		30.7	-61 51	6.3	.018	B5	+ 34	b	41	Cd	Orb. *
4214	8518	46374		30.8	+14 12	5.6	.091	gK2	- 12.1	b	3	W	
4215	8520	46547		30.8	-32 00	5.7	.006	B3	+ 20	c	9	L	
4216	8° 1388	259597		30.8	+08 22	8.6	.020	BOne	+ 38	c	8	LMd	IS +30 c *
4217	WW Mon	.....		30o9	+09 15	12.6v	.....	.....	+ 56	c	4	W	Cep 4.66
4218	14° 1343	46423		31.0	+14 20	8.2	.084	dF6	+ 14	c	2	L	
4219	54° 1048	46217		31.1	+54 06	8.0	.063	dF7	+ 17	c	2	L	
4220	8527	46487		31.1	-01 11	5.0	.021	B3n	+ 25	c	17	3	*
4221	RV Aur	46321		3L2	+42 33	9.2v	.049	N	- 52	d	2	W	Irr
4222	4° 1318	46485		3L2	+04 34	8.3	.023	B0	- 1	c	8	L	IS +4 c
4223	8° 1475	46519		31.2	-08 08	9.1	.....	B5n	+ 20	c	6	L	
4224	CR Gem	.....		31.4	+16 07	10.8v	.....	N	+ 3	d	1	W	Irr
4225	8° 1394	259828		31.5	+08 09	11.1	.....	B5	+ 11	d	2	Md	IS +46 e 1
4226	2° 1292	46559		3L6	+02 26	8.5	.019	B7	+ 20	c	8	L	IS +14 c
4227	8540	45947		3L6	+73 44	6.2	.147	dF4	+ 5.7	b	6	DW	*
4228	8544	46516		3L7	+19 28	6.9	.011	A0	+ 30	d	5	V	SB (153)
4229	8545	45560		31.7	+79 39	6.5	.017	AOn	- 6.9	b	4	D	
4230	3° 1304	46597		31.7	+03 21	7.4	.031	G7	+ 13	c	2	V	
4231	9° 1521	46618		31.7	-10 00	9.7	.047	GO	- 28	d	1	L	
4232	2° 1295	46573		31.8	+02 34	8.1	.030	B2	+ 14	c	8	L	IS -2 c
4233	8549	46318		31.8	+56 26	6.5	<.066	dFOn	+ 2	c	3	W	
4234	8550	46644		31.9	-03 02	7.1	.001	K2	+ 19	d	1	V	
4235	8° 1399	259954		31.9	+08 24	8.6	.....	B3	- 16	d	8	L	IS +5 c *
4236	TU Aur	46421		31.9	+45 40	8.0v	.024	gM5	+ 8	c	2	W	Irr
4237	8557	46553		32.1	+28 04	5.0	.020	A0	+ 17.0	b	20	3	*
4238	8558	46642		32.1	+07 37	6.4	.012	AO	+ 37.5	b	4	D	
4239	8559	46815		32.1	-36 12	5.4	.095	M1	+ 32.2	b	7	LC	*
4240	W Gem	46595		32.1	+15 22	6.7v	.007	cGOv	- 0.2	a	23	W	Cep 7.91 *
4241	20° 1441	46739		32.1	-20 06	9.1	.014	AO	- 24	e	1	L	
4242	8° 1480	46738		32.3	-08 34	8.9	.006	B4	+ 9	d	5	L	SB (60)
4243	2° 1299	46711		32.3	+02 48	8.9	.018	B5	+ 18.3	b	8	L	IS +6 c
4244	8567	46709		32.5	+10 02	6.1	.013	gK5	+ 38.6	b	8	DW	*
4245	32° 1343	46641		32.6	+32 20	7.2	.031	A2	+ 16	c	5	D	
4246	19° 1394	46706		32*7	+19 03	7*5	.025	K1	- 23	d	1	¥	
4247	8571	46769		32.7	+00 56	5.7	.006	B3	+ 10.2	b	7	V	
4248	8573	46936		32.7	-32 41	5.6	.009	B9	+ 42	c	3	L	
4249	8574	45866		32*7	+78 02	5.9	.017	gK5	- 14.3	b	4	WV	*
4250	8577	46933		33.0	-22 55	4.5	.016	AO	+ 32	c	4	LY	*

Cat. No.	Star	ELD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
			h	m	°	'	''	km/sec					
4251	8578	46765	6	33 ^o 0	+16	29	7.4	0.010	G7	+ 15	d	1 V	
4252	17* 1306	46747		33 ^o 0	+17	44	7.4	.029	K1	+ 23	d	1 V	
4253	2° 1302	46847		33 ^o 1	+02	45	8.9	.010	B2	+ 10.6	b	8 L	IS +2 c
4254	UU Aur	46687		33.1	+38	29	5.1v	.029	N	+ 12.0	b	9 WL	SR 3400 *
4255	8582	46480		33 ^o 1	+61	32	6.0	.343	sgG7	- 46.4	b	4 WV	*
4256	8583	46781		33.1	+16	50	6.7	.037	dF8	+ 30*6	b	7 VW	*
4257	5° 1314	46846		33 ^o 2	+05	53	8.8	.007	B3n	+ 4	c	8 L	IS +2 C
4258	8586	46867		33,3	+05	21	8.3	.011	B2	+ 16.2	b	8 L	IS +2 c
4259	8589	46780		33*3	+27	19	6.9	.096	dG2	+ 29.4	b	3 W	
4260	8591	46590		33.4	+56	54	5.8	.009	A1n	+ 0.4	b	4 W	
4261	10° 1193	46883		33*4	+10	20	7.8	.015	B2n	+ 15	c	8 L	IS -2 c
4262	8597	47144		33,7	-36	44	5.6	.024	B9	+ 20	e	1 L	
4263	6° 1303	46966		33.8	+06	08	7.3	.006	08	+ 42.6	b	8 VW	IS +16.4 b *
4264	7° 1369	260537		33.8	+07	45	8.8	.011	B5	- 8.2	b	8 L	IS -4 c
4265	8604	47306		33*9	-52	56	4.4	.019	A0	+ 23.1	a	6 L	
4266	8605	45618		34.0	+82	10	6.4	.055	A2	+ 6	c	3 V	
4267	19° 1406	46984		34,1	+19	12	7.5	.047	K5	- 37	d	1 V	
4268	4° 1341	47032		34.1	+04	44	8.7	.013	B1	+ 10	c	8 L	IS +23 c
4269	8609	47054		34.1	-05	10	5.5	.014	B8ne	+ 27	c	8 YL	*
4270	A 5253B	.....		34.2	-18	37	7.9	.044	dA8	+ 34	e	4 W	
4271	A 5253A	47138		34.2	-18	37	5.8	.019	gG3	+ 24.8	b	3 W	
4272	64° 596	46606		34.2	+64	11	8.0	.....	gK2	+ 28.3	b	3 W	
4273	CC 393	.....		34.3	+17	35	9.5	.84	dM1	- 59	c	3 W	
4274	8619	47020		34.4	+24	38	6.4	.014	A2n	- 2	d	3 V	
4275	v CMa	47205		34.5	-19	13	4.1	.099	sgK1	+ 2.5	a	5 L	
4276	8630	46509		34.6	+71	48	6a	.021	gG9	- 23.2	b	7 DW	*
4277	8631	47129		34.7	+06	11	6.1	.001	O8e	+ 24.5	a	103 MdV	IS +16.0 a *
4278	8632	47127		34,8	+12	14	7.6	.290	dG5	+ 52.9	b	6 W	
4279	12° 1222	47128		34 ^o 8	+12	11	8.3	.064	dFO	+ 10.1	b	3 W	
4280	y Gem	47105		34*8	+16	27	1.9	.066	A3	- 12.5	a	35 4	*
4281	44 ^C 1501	46981		348	+44	21	7.8	.046	gF1	- 19	c	4 W	
4282	8635	47156		34,8	+10	54	6,6	.056	K2	+ 1.5	b	4 D	
4283	8636	47050		34,9	+30	56	7.2	.029	A2	- 12	c	5 D	
4284	8642	47220		35,1	+02	45	6,4	.057	KO	- 7.6	b	4 D	
4285	45° 1330	47019		35.1	+45	05	8.8	* ..	gM2	- 30.2	b	4 W	
4286	8648	47070		35.2	+39	26	5.7	aie	gK5	+ 32.8	b	3 W	
4287	8° 1498	47299		35,2	-08	37	8.5	.016	B5n	+ 22	c	4 L	
4288	8649	47152I		35,2	+29	02	5.5	.029	A0	+ 14	c	6 V	
4289	8651	47240		35 ^o 2	+05	00	6.2	.005	B1	+ 36	c	6 V	IS +17 c
4210	9° 1549	47300		35.2	-09	21	8.6	*0G0	B9	+ 25	c	4 L	
4291	8655	47100		35*3	+39	57	5,3	.017	B8	+ 9	c	9 LY	*
4292	8° 1409	47364		35,5	-08	44	7.3	.053	G6	- 20	d	1 V	
4293	8658	47500		35,9	-36	57	5.7	.027	B8	+ 29	e	1 L	
4294	34° 1416	47194		35*6	+34	20	8.2	.017	AS	+ 7.9	b	3 L	
4295	B660	47442		35.7	-18	12	4.6	.011	gK1	- 1.5	a	5 L	
4298	4 ⁻¹ 1360	47360		35,7	+04	40	8.3	.021	B3	+ 20	c	8 L	IS +13 c
429?	3662	47174		35.B	+42	32	5.1	.062	gK2	+ 16.9	a	13 3	*
4293	5 ⁻ 1340	47358		35.8	+04	96	8.8	.006	B2e	- 2	c	7 L	IS -1 c
4299	Si ¹¹ 1182	47265		35*8	+31	48	7.3	.030	A1	+ 6	c	5 L	
4300	127* 1182	47256		35.3	+27	50	7.2	.030	A4	+ 42.0	b	6 D	

Cat. No.	Star	ED. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.								
4301	4° 1361	47382	h 6	m 35.8	+04 39	7.9	0,020	B1	+ 15.2	b 8	L	IS +7 c
4302	8667	47536		35.9	-32 18	5.3	.120	K2	+ 78.8	a 7	LC	
4303	4° 1363	47398		36.0	+04 40	8.04	.014	B2	+ 6.2	b 8	L	IS -6 c
4304	8671	47432		36.0	+01 40	6.1	.009	B0	+ 58.4	b 9	VW	IS +16.9 b *
4305	8672	47358		36.1	+22 05	6.3	.030	G8	- 8.7	b 4	D	
4306	7° 1386	47417		36.0	+06 57	7.4	.012	B2	+ 32	d 5	V	IS +20 c
4307	v Pup	47670		36.2	-43 09	3.2	.010	B8	+ 28.2	b 10	L	
4308	...	47396		36.3	+22 39	9.2	.....	N	+ 45	d 2	W	
4309	U Lyn	.....		36.3	+59 55	8.8v	.....	gM8e	- 16	b 3	W	Em -29.8 *
4310	8678	47270		36.3	+44 04	6.5	.038	K0	- 29.9	b 7	D	
4311	8681	47395		36.4	+28 19	5.8	.016	B7	+ 19	c 6	D	
4312	9° 1322	47469		36.4	+09 41	7.08	.022	B5	- 5.7	b 8	L	IS -2 c
4313	R Mon	.....		36.4	+08 47	9.3v	.....	G5p	+ 12	d 1	W	Em +21 c 2 *
4314	8682	47415		36.5	+24 39	6.5	.083	F8	+ 18	c 4	D	SB 2-sp
4315	8686	47335		36.6	+44 23	6.8	.039	gG8	- 13	c 4	W	SB (26)
4316	8° 1432	261490		36.8	+08 24	8.6	.029	B3	- 16	c 8	L	I§ +4 d
4317	8691	47668		36.9	-18 08	7.4	.018	gM2	+ 5	c 2	L	
4318	8693	47575		37.0	+13 02	5.9	.034	A2	- 16	c 2	V	
4319	8694	47667		37.0	-14 06	5.0	.004	gK5	+ 29.1	a 4	L	
4320	8704	47973		37.3	-48 10	5.0	.008	G7	+ 27.7	b 4	L	
4321	4° 1607	47761		37.6	-04 39	8.5	.019	BOe	+ 29	d 6	L	IS +25 c 5
4322	CY Gem	.....		37.7	+18 50	12.6v	.....	N	+ 38	d 1	W	Irr
4323	9° 1331	.....		37.7	+09 52	7.8	.006	B5n	+ 18	c 2	L	NGC 2264-16
4324	8711	46588		37.7	+79 37	5.6	.616	dF6	+ 12.5	b 3	W	
4325	4° 1610	47799		37.8	-04 25	7.5	.027	K5	+ 35	e 1	V	
4326	6° 1664	47821		37.9	-06 18	7.2	.014	gM3	- 14	c 2	L	
4327	9° 1334	47777		38.0	+09 42	7.9	.009	B3	+ 6	c 9	LV	IS 0 c *
4328	9° 1335	.....		38.0	+09 49	8.7	.010	B6n	+ 13	c 3	L	NGC 2664-40
4329	N 2264-48	.....		38.0	+09 55	10.0	.006	A0	+ 33	e 2	L	SB?
4330	N 2264-52	.....		38.1	+10 04	8.6	.008	B8n	+ 20	d 2	L	
4331	N 2264-49	.....		38.1	+09 55	8.8	.007	B9	+ 15	d 3	L	
4332	C 821	47752		38.2	+24 00	8.0	.337	dK6	- 44.8	b 3	W	
4333	8719	47731		38.2	+28 15	6.5	.016	cG5	- 6.1	b 7	DW	*
4334	S Mon	47839		38.2	+09 57	4.7	.006	O7	+ 33.2	b 18	3	IS +15.2 b *
4335	A 5322B	.....		38.2	+09 57	7.7	.....	B7	+ 14	e 1	L	NGC 2264-60a
4336	N 2264-63	.....		38.2	+09 55	9.6	.004	B9	+ 16	d 2	L	
4337	8724	47703		38.3	+35 59	6.3	.046	F5	+ 86.3	b 4	S	
4338	N 2264-62	.....		38.3	+09 56	8.7	.013	B7	+ 22	c 3	L	
4339	N 2264-81	.....		38.4	+09 56	9.8	.....	B9	+ 19	d 2	L	
4340	N 2264-80	.....		38.4	+09 55	9.8	.....	B9	+ 20	d 2	L	
4341	8726	47887		38.4	+09 31	7.0	.020	B2	+ 19.3	b 5	VW	IS +16 c *
4342	8729	47863		38.5	+16 27	6.2	.022	A0	+ 17	c 2	V	
4343	8731	47886		38.5	+11 03	6.4	.007	M0	+ 15.9	b 4	D	
4344	9° 1346	262013		38.5	+09 39	9.0	.028	B5n	+ 2.3	b 8	L	
4345	9° 1348	262042		38.6	+09 16	8.6	.022	B3	+ 2.0	b 8	L	
4346	7° 1523	48016		38.6	-07 31	7.1	.027	K2	+ 46	e 1	V	
4347	8736	48038		38.6	-12 08	0.8	.010	B2	- 10	c 4	L	IS +6 c 2
4348	9° 1350	47961		38.7	+09 54	7.3	.012	B5	+ 23.3	b 9	VL	IS +17 c *
4349	5° 1747	48013		38.7	-05 39	7.5	.038	KG	- 7	d 1	V	
4350	VW Gem	47883		S8.9	+31 30	8.7v	.031	N	+ 14	c 2	W	Irr

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	''	km/sec						
4351	2° 1356	48101	6	39.3	+02	38	7.4	0.015	K2	+ 19	c	2	V	
4352	8747	48099		39.3	+06	24	602	.004	07	+ 31.0	b	9	VW	IS +16.4 b *
4353	8751	47914		39.4	+44	34	5.2	.052	gK5	- 73.1	b	10	3	
4354	8755	48097		39.5	+17	42	5.1	.091	A0	+ 14	d	7	3	SB (99) *
4355	8756	48217		39.6	-09	07	5.3	.057	gM0	+ 0.9	a	10	3	*
4356	8758	48144		39.6	+07	27	7.1	.017	K5	- 10	e	1	V	
4357	8762	48215		39.7	-06	04	6.9	.017	B5	+ 23	c	6	V	
4358	8766	48073		39.8	+37	12	6.2	.060	G6	- 41.2	b	4	D	
4359	10° 1651	48282		39.9	-10	27	9.0	.028	B5ne	+ 24	d	4	L	
4360	22° 1498	48355		40.0	-22	24	8.5	.034	B5n	+ 17	c	6	L	
4361	8767	48279		40.1	+01	46	7.8	.023	O8n	+ 10	d	15	LW	IS +5 c *
4362	8769	47979		40.2	+53	21	6.4	.189	K0	+ 18.8	b	4	D	
4363	AD Gem	.....		40.2	+21	00	<u>10.0v</u>	.....	cGOv	+ 36.0	b	8	W	Cep 3.79
4364	8770	47930		40.2	+56	59	7.2	.045	gM2	+ 22	c	2	L	
4365	S Lyn	.....		40.3	+57	58	8.4v	.....	gM7e	- 11	c	2	W	Em -22 *
4366	8774	47977		40.4	+59	30	8.3	.012	dF4	- 40.1	b	3	W	
4367	8775	48348		40.5	+03	05	6.4	.021	K2	+ 30.9	b	4	D	
4368	8783	48393		40.8	+05	54	7.2	.024	G6	+ 9	d	1	V	
4369	8784	48228		40.8	+40	41	6.9	.160	gM4	+ 40.5	b	3	W	
4370	11° 1284	262677		40.8	+11	13	9.0	.026	B5	- 6.8	b	8	L	IS -1 c
4371	8785	48272		40.8	+36	10	6.3	.020	A0	- 10	c	4	V	
4372	€ Gem	48329		40.9	+25	11	3.2	.016	cG3	+ 9.9	a	24	5	*
4373	MSB 50	.....		40.9	-08	43	9.0	.....	N	+ 32	d	1	W	
4374	8790	48434		41.0	+03	59	5.8	.008	B0	+ 34.5	b	5	V	IS +19.5 b *
4375	8791	48270		41.1	+44	33	6.8	.016	gK0	+ 19.9	b	3	W	
4376	8793	48433		41.2	+13	17	4.6	.062	gK2	+ 13.6	a	9	LB	*
4377	7° 1428	262938		41.5	+07	29	9.0	.....	B5	- 9.9	b	8	L	IS -4 c
4378	2° 1369	48553		41.6	+02	27	8.7	.012	B3	+ 10	c	8	L	IS +6 c
4379	8799	48450		41.6	+29	01	5.5	.028	gK4	+ 15.7	b	7	VW	*
4380	5° 1391	48594		41.8	+05	15	7.4	.015	K1	+ 7	d	1	V	
4381	8805	48250		41.8	+59	30	5.2	.021	A2n	- 4	c	25	4	*
4382	8807	48410		41.8	+44	17	7.8	.234	dGO	+ 5.1	b	3	W	
4383	CZ Mon	48664		42.0	+03	22	<u>12.5v</u>	.054	N	+ 27	d	1	W	Irr
4384	+0° 1574	48691		42.0	+00	38	7.7	.018	B3	- 4	c	8	L	
4385	3 ^u 1382	48717		42.2	+03	44	7.7	.013	B4	+ 40	c	8	L	IS +16 c
4386	10° 1253	48688		42.2	+10	48	7.9	.033	gGO	+ 32	c	2	L	
4387	+0° 1576	.....		42.3	+00	40	9.3	.031	09	+ 41	d	2	Md	IS +30 d
4388	8820	48638		42.4	+27	44	6.8	.008	K0	- 34.4	b	4	D	
4389	‰ Gem	48737		42.5	+12	57	3.4	.224	dF3	+ 25.3	a	24	5	*
4390	8826	48432		42.6	+57	13	5.5	.047	gG6	+ 19.0	a	10	3	*
4391	8827	48917		42.6	-31	01	5.2	.020	B3ne	+ 34	c	6	L	Em
4392	oc CMa	48915		42.9	-16	39	-1.6	1.324	A2	- 7.6	a	151	4	*
4393	8834	48843		43.1	+12	45	6.4	0.002	A8	+ 8.7	b	4	D	
4394	8836	48682		43.1	+43	38	5.3	.160	dF9	- 23.7	a	9	3	*
4395	8840	48914		43.2	+02	33	7.5	.019	B5	+ 9	d	6	V	SB
4398	8844	48864		43.4	+18	54	6.8	.035	B9	+ 24	d	5	S	SB (58)
4397	8848	49095		43.5	-31	44	5.9	.392	dF6	+ 32	c	3	W	
4398	8848	49068		43.6	-20	48	7.5	.017	cK0	+ 22	c	2	L	
4399	8850	49131		43.6	-30	54	5.9	.006	B3n	+ 17	c	4	L	
4400	Luy „		43.7	+58	41	10.0	.56	sdF2	+189	c	3	W	

General Catalogue of Radial Velocities

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Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			JR.A.	Decl.										
			h	m	°	'			km/sec					
4401	8852	49048	6	43.7	-14	45	5.3	0.033	A2	- 18.8	b	7	LY	*c
4402	13° 1641	49067		43.8	-13	47	8.9	.018	B4n	+ 33.4	b	5	L	
4403	8856	48977		43.8	+08	39	5.8	.012	B3	+ 10.3	b	6	V	IS +11
4404	9° 1382	48976		43.8	+09	16	7.4	.027	gK5	+ 21	c	2	L	
4405	8858	48781		43.9	+48	51	5.3	.003	gKO	- 7.7	b	12	3	*
4406	X Gem	48912		43.9	+30	20	7.5v	. . . .	gM5e	+ 75	c	2	W	Em +67 *
4407	MSB 51	. . . . .		44.0	-12	52	9.0	. . . .	N	+ 67	d	1	W	
4408	A 5436A	48766		44.0	+55	46	6.3	.121	dF4	+ 9.3	b	3	W	
4409	A 5436B	48767		44.0	+55	46	6.3	.120	dF6	+ 4	c	3	W	SB (27)
4410	5° 1403	263775		44.2	+05	39	9.5	.027	B3	+ 38	d	2	Md	IS +29 d
4411	j Men	50506		44.2	-80	46	5.6	.053	A2	+ 9	e	1	L	
4412	8873	49147		44.3	-10	03	5.5	.004	A0	+ 21	d	3	Y	
4413	CC 398	. . . . .		44.3	+37	36	12.0	.95	wA	+ 80	d	2	Md	
4414	22° 1527	49233		44.3	-23	06	8.3	.012	B8	+ 19.5	b	5	L	
4415	8877	49059		44.5	+18	15	6.2	.047	A0	+ 16	c	3	V	
4416	8879	49229		44.6	-14	22	5.2	.012	B8	+ 17	c	9	3	*c
4417	8880	49161		44.6	+08	06	5.0	.029	gK5	+ 46.7	a	5	L	
4418	8882	49517		44.8	-52	21	5.7	.015	K0	+ 36	d	1	L	
4419	41° 1513	49009		44.8	+41	22	8.0	.019	K2	+ 21	d	1	Y	
4420	20° 1575	49317		44.8	-20	37	8.4	. . . .	gG6	+ 24	c	2	L	
4421	15° 1511	49315		45.0	-16	01	7.5	.037	B5	+ 8.6	b	4	L	
4422	DF Mon	. . . . .		45.0	+00	44	12.7v	. . . .	N	+ 77	d	1	W	Irr
4423	8891	49331		45.2	-08	57	5.3	*.018	cM1	+ 24.4	b	13	3	*
4424	8892	49293		45.3	+02	28	4.7	.021	gKO	+ 11.3	b	10	LB	*
4425	+0° 1607	49330		45.4	+00	50	7.9	.022	B3e	- 0.8	b	8	L	IS +13 c
4426	8899	49591		45.6	-37	52	5.2	.031	B9	+ 47	c	4	L	
4427	8901	49689		45.7	-51	13	5.3	.102	K2	- 4.5	a	12	LC	*
4428	6° 1389	49367		45.7	+06	16	7.7	.013	cK1	+ 2	c	2	L	
4429	8902	48879		45.7	+67	38	5.0	.007	B3	+ 5.3	b	47	4	IS +12 c *
4430	1° 1387	49435		45.8	-01	46	7.4	.012	gK5	+ 71.3	b	3	LV	*
4431	7° 1457	49409		46.0	+07	41	8.3	.348	dG3	- 86.6	b	3	W	
4432	9° 1393	49429		46.0	+08	55	7.0	.017	G7	+ 21	d	1	V	
4433	AC 56° t	. . . . .		46.0	+55	55	10.5	.21	dK6	+ 45	c	2	W	t 35386
4434	22° 1484	49406		46.2	+22	22	7.1	.021	B9	+ 46	c	5	S	
4435	8915	49380		46.4	+32	40	5.8	.058	gK4	- 16.0	b	3	W	
4436	8916	49567		46.5	+01	04	6.1	.007	B3	+ 23.2	ta	6	V	
4437	8922	49662		46.7	-15	05	5.3	.006	B7n	+ 23	a	9	3	*
4438	+0° 1627	. . . . .		46.8	+00	48	9.4	.037	B2	+ 12	e	2	Md	IS +29 e
4439	RX Gem	49521		46.9	+33	18	9.2v	.027	A3	+ 33.5	b	19	Md	EA 12-2 Orb. *
4440	8927	49606		47.0	+16	16	5.7	.021	B9	+ 12.8	b	3	W	
4441	7° 1578	49741		47.2	-07	21	7.2	.020	K2	+ 19	d	j	V	
4442	NGC 29ju	. . . . .		47.2	-35	57	10*5	. . . .	F8	+ 64	c	5	L	Glob. cl.
4443	8031	49520		47.2	+41	51	5.0	.135	l *K3	+ 60.8	b	6	LW	*
4444	IB ^d 1365	49635		47.3	+18	51	7.7	.017	j dF3	+ 28	c	5	W	
4445	5 ^h 1815	49787		47.5	-05	27	7.3	.014	J B3e	+ 13	d	7	V	IS+18 c
4446	8938 i	49738		47.6	+13	28	5.9	.006	i dK3	+ 28.3	b	3	W	
4447	a Pic	50241		47.7	-61	53	3.3	.272	A5	+ 20.6	l)	5	L	
4448	+0 1638	. . . . .		47.7	+00	30	10.0	. . . .	O8n	+ 46	e	2	Md	IS +49 d
4449	47 ^c 1355	49601		47.8	+47	26	9.2	*.762	aK6	+ 26.3	J)	3	W	
4450	12 1652	49888		47.8	-12	33	7.4	.010	B5e	+ 3.0	b	4	L	

Cat. No.	Star	HJD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
4451	7° 1475	49806	6	47.8	+07	15	7.5	0.005	K2	+ 8	d	1	V	Em Hy dbl
4452	K CMA	50013		48.0	-32	27	3.8	.010	B2ne	+ 14	c	5	L	
4453	8949	49633		48.1	+46	34	7.6	.007	cG8	+ 6	c	2	L	
4454	13° 1682	49977		48.2	-14	03	7.9	.036	B2ne	+ 16	c	6	L	
4455	8954	49933		48.3	-00	29	5.8	.187	dF2	- 14.7	b	8	W	
4456	8957	49340		48.3	+6B	57	5.1	.009	B7	- 21	c	19	4	IS +12 c *
4457	TX Mon	.....		48.3	-01	22	11.4v	.....	.....	+ 51.0	b	7	W	Cep 8.70
4458	15° 1347	49909		48.4	+15	08	7.3	.056	K5	+ 40	e	1	V	
4459	8960	50223		48.5	-46	34	5.0	.369	F4	+ 19.2	b	4	L	
4460	8965	49908		48.6	+21	49	5.2	.036	A0	+ 34.4	b	11	3	*
4461	8968	49618		48.7	+59	31	5.4	.041	gGO	+ 13.4	b	11	3	*
4462	r Pup	50310		48.7	-50	33	2.8	.079	G8	+ 36.4	a	57	LC	Orb. *
4463	13° 1440	265134		48.7	+13	41	8.8	.026	O9n	+ 23	e	2	Md	IS +10 c
4464	13° 1686	50091		48.7	-13	10	8.5	.020	B3n	+ 6	d	6	L	
4465	8970	50118		48.7	-20	51	7.1	.017	B3n	+ 18	c	5	L	
4466	8972	50337		48.8	-53	34	4.4	.026	G3	+ 26.0	a	23	L	Orb. *
4467	1° 1409	50040		48.8	-01	54	8.3	.017	AOn	+ 9	c	5	W	
4468	8973	50067		48.8	-10	01	7.4	.012	Q-K4	+ 7	c	2	L	
4469	9° 1414	50005		48.9	+09	30	7.0	.031	~K5	+ 13	d	1	V	
4470	SZ Mon	292630		48.9	-01	19	10.7v	.....	K5	+ 35.0	b	15	W	Cep 16.3
4471	8976	49968		49.0	+23	40	5.8	.038	gK5	+ 40.1	b	3	W	
4472	+0° 1651	50064		49.0	+00	21	8.3	.037	cB6e	+ 62	c	13	LW	IS +46 c *
4473	8978	50062		49.0	+03	06	6.2	.043	A0	+ 45	d	2	V	
4474	8979	50235		49.1	-34	18	5.1	.004	K5	+ 30.3	a	7	L	
4475	8982	50083		49.1	+05	09	6.8	.007	B2e	+ 9.7	b	7	V	
4476	8983	50138		49.1	-06	54	6.6	.010	B8e	+ 34	b	72	W	
4477	10° 1301	50060		49.2	+10	52	7.8	.085	dF9	+ 71	c	2	L	
4478	V 1560	.....		49.4	+01	25	9.6	.....	B2n	+ 24	e	2	Md	IS +27 e 1
4479	8988	49949		49.5	+44	54	6.1	.086	A5n	+ 3	c	10	DV	*
4480	8 Gem	50019		49.5	+34	01	3.6	.053	A2n	+ 20	c	16	4	*
4481	8993	50018		49.6	+38	56	6.1	.009	sgA7n	+ 1	c	7	SW	*
4482	-0° 1468	50209		49.6	-00	14	8.3	.006	B6ne	+ 4	d	11	WD	*
4483	XX Mon	.....		49.7	-02	45	12.3v	.....	.....	+ 64	e	5	W	Cep 5.54
4484	8995	50056		49.7	+35	51	6.2	.020	G5	+ 5.7	b	4	S	
4485	-0 ^{Cl} 1470	50230		49.8	-00	37	8.7	.007	B3	+ 17.1	b	6	L	IS +11 c 5
4486	8997	50037		49.8	+38	30	6.3	.184	dF6	+ 32.4	b	5	V	
4487	9000	50281		49.9	-05	07	6.8	.541	dK6	- 10.3	b	6	W	
4488	7 ^m 1493	50228		49.9	+07	53	7.8	.014	B5	- 1	c	8	L	IS +17 c
4489	W Mon	.....		49.9	-07	05	9.8v	.....	N	0	d	1	W	Irr
4490	15 ^f 1540	50326		50.0	-15	09	9.3	.025	K0	0	ci	1	L	
4491	9007	50277		50.1	+08	27	5.8	.060	A5n	+ 26.8	b	4	D	
4492	8 ^z 1544	50300		50.2	+08	43	7.5	.024	K4	- 23	d	1	V	
4493	3 ⁿ 1630	50348		50.2	-03	37	8.9	.018	B4n	- 0.8	b	6	h	
4494	2 ^z 1448	50372		50.4	+02	48	7.7	.011	cG6	+ 15	c	2	L	
4435	9011	50463		50.5	-16	09	7.0	.009	B3	+ 16.6	b	6	L	
449C	9012	50204		50.5	+38	34	6.2	.031	A0	+ 26.6	b	4	D	
4497	9013	50371		50.6	+11	04	6.3	.039	G8	- 34.3	b	4	D	
4498	4 ^z 1708	50436		50.7	-04	31	9.2v	.003	N	+ 38	c	2	W	
4499	21 ^z 1633	50502		50.8	-21	46	8.5	JOS	B3n	+ 25.3	b	5	L	13 +8 c 4
4500	14 1477	50434		51.0	+14	49	7.8	.024	IXG5	- 5	c	2	L	

General Catalogue of Radial Velocities'

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
4501	43° 1615	50315	6	51.2	+43	00	7.3	0.014	A5	+ 3	c	5	D	
4502	-0° 1479	50583		51.3	-00	15	7.8	.045	B9	+ 22.7	b	5	W	
4503	9034	50707		51.4	-20	10	4.7	.007	B0	+ 30.7	b	71	3	IS +21.0 b *
4504	9038	50806		51.6	-28	28	6.0	.518	dG3	+ 72.2	b	4	W	
4505	9039	50384		51.6	+45	54	6.5	.081	G7	+ 30.7	b	5	D	
4506	CC 400	.....		51.6	+33	20	9.9	.87	dM4	+ 36	d	5	WMd	*
4507	9042	50420		51.6	+43	58	6.0	.018	gFO	- 7.0	b	5	VW	*
4508	NvGem 2	.....		51.7	+32	12	3.5v	.....	Q	+ 6.3	b	30	5	Ca+ *
4509	9° 1429	266098		51.7	+09	31	8.4	.017	B2	- 0.5	b	8	L	IS +19 c
4510	9044	50700		51.7	-05	47	6.4	.021	A3n	+ 17	d	3	V	
4511	8° 1604	50735		51.7	-08	43	8.3	.012	dFO n	+ 55	d	2	L	
4512	RU Mon	.....		51.8	-07	32	10.6v	.....	B9p	+ 39	b	23	Md	EA 3.58 *
4513	+0° 1691	50696		51.8	+00	15	8.4	.016	B3e	+ 36	d	8	L	Em
4514	A 5559A	50635		51.8	+13	15	4.7	.117	dA8n	+ 22	c	9	3	SB *
4515	A 5559B	.....		51.8	+13	15	7.4	.....	dG4	+ 25.9	b	3	W	
4516	9 CMa	50778		51.9	-11	58	4.2	.140	gK4	+ 97.3	a	14	3	*
4517	9052	50747		51.9	-01	04	5.3	.014	A2	- 8.8	b	13	3	*
4518	9053	50634		52.0	+21	38	6.8	.016	A0	- 4	c	5	S	
4519	2° 1457	50746		52.0	+02	40	8.1	.....	dF7	+ 41	c	3	L	
4520	I Vol	51557		52.0	-70	54	5.5	.025	B8	+ 18	c	5	L	
4521	9059	50877		52.1	-24	07	4.1	.013	cK5	+ 36.3	a	10	3	*
4522	9061	50896		52.1	-23	52	6.6	.010	WR	.....	..	3	W	IS +36 c
4523	9063	50820		52.2	-01	42	6.2	.008	*	+ 13.0	b	9	VW	B3pe+F3 *
4524	12° 1343	.....		52.2	+12	14	10.4	.34	dM2	+ 30	c	2	W	
4525	9064	50692		52.2	+25	26	5.8	.043	dGO	- 11.3	b	3	W	
4526	AU Mon	50846		52.4	-01	19	8.3v	.026	B5+F0	+ 11.8	a	56	3	EA 11.1 *
4527	9070	50890		52.5	-02	44	6.0	.018	gG6	+ 19.5	b	3	W	
4528	3° 1643	50891		52.5	-03	38	9.2	.....	O8e	+ 41	c	5	L	IS +10 c
4529	5° 1472	50868		52.6	+05	30	8.1	.008	B5n	- 16	c	8	L	IS +9 c
4530	9073	49878		52.8	+77	03	4.8	.080	gK5	- 26.2	b	23	WL	*
4531	9075	50658		52.8	+46	20	5.8	.022	B8e	- 41.1	b	5	D	
4532	9076	50931		52.9	+08	23	6.1	.026	A0	+ 33	d	2	V	
4533	9077	51208		52.9	-42	18	6.0	.022	N	+ 32	c	2	L	
4534	CL Mon	.....		52.9	+06	27	9.0v	.....	Ne	+ 43	d	1	W	Em +19 *
4535	9081	50551		53.0	+57	38	6.1	.027	gK3	- 54.4	b	7	DW	*
4536	9082	50522		53.0	+58	29	4.5	.134	gG6	+ 8.9	a	12	LV	*
4537	9083	.....		53.0	+40	09	8.4	.468	dMO	+ 49.4	b	5	W	CC 402A
4538	CC 402B	.....		53.0	+40	09	10.7	.....	dM2	+ 60.5	b	3	W	DW
4539	9089	50763		53.2	+46	46	6.0	*.138	gKO	+ 39.3	b	6	W	*
4540	14° 1494	51002		53.3	+14	34	8.2	.064	sgF4	+ 26	c	2	L	
4541	9095	51200		53.4	-21	58	6.8	.009	B4	+ 10	c	6	L	SB (50)
4542	7T CMa	51199		53.5	-20	04	4.6	.064	gF2	+ 8	c	6	L	
4543	8C 1568	51074		53.5	+08	48	7.1	.002	K2	- 18	d	1	V	
4544	9098	48974		53.6	+83	41	8.6	.240	dG5	- 29.1	b	3	W	
4545	BG Mon	.....		53.7	+07	08	12 v	.....	N	+ 71	d	1	W	P240
4546	9099	51283		53.7	-22	53	5.3 i	.017	B3	+ 38	c	6	L	
4547	9100	51104		53.7	+10	01	5.9 i	.034	B8	+ 33.0	b	3	W	
4548	9101	51000		53.7	+33	45	0.0	.010	KG2	- 10.1	b	7	DW	*
4549	3* 1468	5ii7i		53.8	+03	40	8.3	.042	B5	- 15.3	b	8	L	IS -24 c
4550	UW Aur	50949		53.8	+41	11	9.6v	.....	R6p	- 7	c	2	W	SR 530

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes	
			J.R.A.		Decl.										
			h	m	°	'			km/sec						
4551	<i>fi</i>	CMa	51250	6	53.8	-13	59	5.2	0.005	M0	+ 20.0	a	12	CL	*
4552	3°	1651	51193		53.8	-03	44	8.7	.011	B3ne	+ 59.8	b	6	L	IS +16 c
4553	<i>l</i>	CMa	51309		53.9	-16	59	4.4	.010	B5	+ 41.0	b	8	LY	IS +28 c *
4554		9113	50973		54.0	+45	10	4.8	.020	A2	- 9	c	11	3	*
4555		9114	51219		54.0	+01	14	7.7	.567	dG5	- 12.3	b	3	W	
4556	+0°	1717	51220		54.0	+00	10	7.7	.042	dG5	+ 47.2	b	4	W	
4557	Y	Mon	51189		54.1	+11	19	8.3v	.031	gM4e	+ 71	c	2	W	Em +61 *
4558	6°	1451	.....		54.4	+06	25	9.5	.....	N	+ 57	d	1	W	
4559	1°	1471	.....		54.5	-01	42	<u>10.1</u>	.....	B1	+ 75	d	2	Md	
4560		9129	51330		54.6	+11	58	6.2	.019	F0	+ 8.9	b	4	S	
4561	8°	1639	51477		54.8	-08	28	8.3	.023	B5	- 47	d	6	L	
4562	20°	1634	51549		54.8	-21	02	8.1	.020	B5	+ 17	c	5	L	
4563		9132	51480		54.8	-10	45	7.0	.032	B8e	+ 58	c	8	W	Em
4564		9133	51354		54.8	+17	58	7.1	.018	B3ne	+ 8.4	b	4	V	
4565	X	Mon	51478		54.8	-09	00	6.8v	.024	gM3e	+160	b	6	W	Em +153 *
4566	4°	1745	51452		54.9	-04	08	8.5	.038	B3n	+ 27	c	5	L	IS +26 c 4
4567	1°	1473	51473		54.9	-01	18	8.7	.022	A0	+ 9	c	6	W	SB 2-sp
4568		9137	51799		54.9	-48	39	4.9	.007	M3	+ 22.1	a	5	L	
4569	1°	1610	51507		55.1	+01	34	7.9	.022	B2	- 18.6	b	8	L	IS -19 c
4570	6°	1459	51506		55.2	+06	37	7.7	.006	B3n	- 10	c	7	L	IS -16 c
4571	2°	1483	51565		55.4	+02	22	7.7	.011	CF5+A5	- 20	d	4	W	SB (69)
4572	3°	1668	.....		55.4	-03	42	<u>9.8</u>	.....	B3	+ 45	d	2	Md	IS +23 d
4573	TZ	Mon	.....		55.5	-00	18	<u>11.4v</u>	.....	.....	+ 34.0	b	8	W	Cep 7.43
4574		9145	51733		55.5	-24	34	5.4	.119	dFO	+ 20	c	8	L	
4575		9151	51440		55.6	+38	07	6.2	.131	gKO	+ 25.0	b	11	VW	*
4576	4°	1522	51645		55.7	+03	58	7.4	.005	K2	+ 40	d	1	V	
4577	RV	Mon	51620		55.7	+06	14	<i>e.sv</i>	.028	N	+ 16	b	5	W	SR 225
4578		9152	50885		55.7	+70	53	5.8	.028	gK4	- 17.1	b	7	DW	*
4579	21°	1675	51790		55.7	-21	52	9.2	.....	B9	+ 1	d	7	L	
4580		9153	51530		55.7	+26	09	6.1	.187	dF4	+ 6.1	b	7	SW	*
4581		9158	51418		55.8	+42	23	6.6	.011	A0	- 22.5	b	5	D	
4582	22°	1623	51854		55.9	-22	48	9.2	.026	B4n	+ 27.0	b	6	L	
4583		9161	51693		55.9	+07	41	6.1	.036	A2	- 27	c	2	V	
4584	2°	1856	51756		56.0	-02	57	7.7	.028	B3	+ 25	c	5	L	IS +30 c 4
4585		9163	51560		56.1	+37	10	7.3	.020	B9n	+ 8	c	5	V	
4586	20°	1650	51898		56.2	-20	" 28	8.9	.005	B5n	+ 25.1	b	5	L	
4587		9175	51814		56.3	+03	40	6.0	.014	gG7	+ 16.8	b	6	DW	*
4588		9181	52018		56.5	-25	21	5.7	.017	B3	+ 28	c	6	L	
4589		9184	52092		56.6	-34	03	5.1	.024	B4	+ 19.2	a	6	L	
4590	€	CMa	52089		56.7	-28	54	1.6	.004	cB1	+ 27.4	a	18	4	IS +20 c *
4591		0190	52140		56.8	-30	56	6.4	.019	B6	+ 14.4	b	4	L	
4592	42 nd	1636	51710		56.9	+42	09	7.8	.079	sgG7	+ 12	c	2	L	
4593	30"	1387	51833		57.0	+30	22	7.8	.035	gG8	+ 55	c	2	L	
4594	R	Lyn	51610		57.2	+55	24	6.5v	.044	Se	+ 28	b	4	W	Em +9.9 *
4595	12 th	1729	52162		57.3	-12	56	7.9	.004	B3n	+ 21.3	b	6	L	
4596		9200	52005		57.4	+16	<i>QB</i>	5.9	.011	cK4	+ 22.0	b	8	VW	*
4597	69 th	400	51349		57A	+69	17	7.5	.....	gM2	+ 13.1	b	4	W	
4598	A	5069A	51067		57.4	*75	18	6.8	.271	dF8	+ 22.9	b	3	W	
4599	A	5689B	.....		57.5	+79	18	7.6	.277	dG8	+ 15.8	b	3	W	
4800	16 th	1694	52244		57.5	-16	08	9.0	.033	B5e	- 1.2	b	5	Ju	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	o	r			km/sec					
4601	9218	51866	6	57.8	+48	27	8.2	0.709	dK5	- 22.8	b	4	W	
4602	9222	52266		57.9	-05	45	7.0	.018	B2n	+ 5	d	5	VW	IS +21 c *
4603	9227	52100		58.0	+32	29	6.5	.028	FOn	- 27.6	b	4	D	
4604	9232	52437		58.2	-22	03	6.3	.027	B4n	+ 9	c	8	L	
4605	9236	52382		58.3	-09	08	6.4	.012	B2	+ 51	c	6	V	IS +32.9 b *
4606	RV CMa	.....		58.4	-14	17	<u>10.6v</u>	.....	gM6	+ 27	c	2	W	SR
4607	2° 1509	52340		58.4	+02	11	8.3	*.007	dF4	- 5	c	2	L	
4608	33° 1454	52201		58.5	+33	46	7.3	.004	sgA8	+ 6.8	b	3	W	
4609	3° 1685	52432		58.5	-03	11	7.5	.003	R6	+ 21.6	b	6	WMi	*
4610	AC Mon	.....		58.6	-08	38	<u>10.3v</u>	.....	.....	+ 40.5	b	7	W	Cep 8.02
4611	9248	52533		58.9	-03	03	7.9	.008	B6	+ 5.5	b	6	L	
4612	9251	52479		59.0	+04	53	6.5	.005	A0	- 11	c	2	V	
4613	10° 1814	52565		59.0	-10	12	9.5	.009	A0	+ 15	c	2	L	
4614	9253	52670		59.0	-25	09	5.8	.021	B3	+ 6	d	5	L	SB
4615	9258	52559		59.3	+05	38	6.5	.022	B2	+ 33.8	b	5	V	
4616	a) Gem	52497		59.4	+24	17	5.2	.005	cG2	- 8.5	a	20	4	*
4617	9265	52556		59.4	+15	25	5.9	.021	gK1	- 13.5	b	7	DW	*
4618	9267	52721		59.5	-11	14	6.6	.027	B3e	+ 16	c	14	LO	IS +15 d *
4619	9269	52666		59.5	-05	39	5.4	.016	gM2	+ 2.6	b	11	3	*
4620	9270	52554		59.5	+17	50	6.2	.044	M3	+ 23.2	b	4	D	
4621	9273	53047		59.6	-51	20	5.0	.029	M3	+ 5.3	b	9	LC	*
4622	9275	52609		59.7	+16	45	6.0	.028	gM2	+ 34.6	b	7	DW	*
4623	5° 1927	52719		59.7	-05	57	7.0	.017	K5	- 31	e	1	V	
4624	3° 1695	52718		59.7	-03	12	9.2	» . . .	B4	+ 27	c	6	L	
4625	<r CMa	52877		59.7	-27	51	3.7	.003	cMO	+ 21.5	a	18	LC	*
4626	9 Men	54239		59.8	-79	21	5.5	.008	A0	+ 5	e	1	L	
4627	2° 1892a	.....		59.9	-02	55	<u>10.4</u>	.....	B3	+ 42	d	2	Md	IS +27 e 1
4628	9280	53501		59.9	-67	51	5.1	*.239	M0	+ 38.8	b	4	L	
4629	9289	52030	7	00.2	+70	48	6.6	.039	K5	+ 19.6	b	4	D	
4630	9292	52711		00.3	+29	25	6.0	.843	Qg2	+ 21.8	b	4	VW	*
4631	11° 1755	52942		00.4	-11	23	8.7	.014	B3n	var	e	11	L	IS +36 d 3 *
4632	9293	52918		00.4	-04	10	4.9	.013	B3n	+ 24.8	b	15	3	IS: +24.1 bWc *
4633	9295	52913		00.6	+09	13	5.9	.024	A2n	- 11	c	4	D	SB (27)
4634	10° 1834	53035		00.8	-11	07	8.1	.015	B4	+ 19.2	b	6	L	
4635	9303	52960		00.9	+11	02	5.2	.023	3K5	+ 20.9	a	9	LV	*
4636	9307	53138		00.9	-23	46	3.1	.000	cB3	+ 48.4	a	24	3	IS +18 c *
4637	9310	52976		01.1	+12	40	6.2	.004	K6	- 15.7	b	4	D	
4638	9311	268518		01.1	+20	40	8.6	.107	cGO	+ 20.2	b	3	W	
4639	J Gem	52973		01.1	+20	39	3.7v	.005	cGOv	+ 6.7	a	66	L	Cep 10.2 *
4640	Z CMa	53179		01.4	-11	29	<u>8Jv</u>	.037	Beo	+ 44	c	2	We	Em *
4641	y CMa	53244		01.5	-15	33	4.1	.009	B8	+ 30	c	9	YL	*
4642	9322	52708		01.6	+59	53	6.5	.029	KG	+ 22.2	b	4	D	
4643	9323	53208		01.6	-05	15	5.9	.011	gK3	+ 40.3	b	5	*w	
4644	A 5746A	52859		01.7	+52	50	6.9	.080	A2	+ 27	c	2	V	
4645	A 5746B	.....		01.7	+52	50	7.0	.009	A2	+ 16	d	3	V	
4646	2° 1908	53299		01.8	-02	58	8.6	.055	dG6	+ 7	c	4	W	SB (21)
4647	n° 1766	53339		01.9	-11	20	9.1	.010	B5	+ 17	c	5	L	
4648	15° 1029	53340		01.9	-15	15	8.4	.023	B4	+ 22	c	5	L	
4649	10° 1848	53367		02.1	-10	23	7.0	.040	Blue	+ 19	c	11	VW	IS +20 c *
4650	9336	53450		02.3	-11	27	7.8	.006	B3	+ 18.0	b	6	L	IS +26 d W 1

Cat. No.	Star	ED. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.									
			^h	^m	^s			km/sec					
4651	9337	53257	7	02.3	+22 43	5.9	0.016	AOn	- 8	c	4	D	
4652	9342	53704		02.5	-42 16	5.3	.066	A2	+ 27.9	b	5	L	
4653	9344	53921		02.5	-59 06	5.7	.017	B9	- 5	e	1	L	
4654	27° 1311	.....		02.6	+27 33	10.7	.11	dMO	- 42	c	2	W	
4655	4° 1806a	.....		02.6	-04 09	<u>10.6</u>	.....	B3	+ 68	c	2	Mel	
4656	9348	53811		02.6	-49 31	5.1	.153	A2	+ 25.1	b	3	L	
4657	20° 1706	53598		02.7	-20 45	7.2	.001	cMO	+ 54	c	2	L	
4658	9354	53329		02.9	+34 33	5.6	.074	sgG3	+ 4.8	b	5	WV	*
4659	9355	53510		02.9	+09 16	6.0	.052	gM0	+ 45.7	b	7	uw	*
4660	7° 1731	53621		03.0	-08 03	7.2	.003	G7	+ 3	d	1	V	
4661	-0° 1587	53590		03.0	-00 43	7.6	.040	sgG8	+ 15	c	2	L	
4662	8° 1734	53667		03.2	-08 39	7.8	.018	BOe	+ 38	c	10	LW	*
4663	14° 1560	53561		03.3	+14 04	7.4	.014	gK5	+ 42	c	3	L	
4664	9366	53532		03.3	+22 46	8.1	.119	dG6	+38.9	b	3	W	
4665	9368	54118		03.4	-56 40	5.3	.003	A0	+ 29.5	b	4	L	
4666	12 ^d 1777	53756		03.4	-12 44	7.2	.012	B4n	+ 19	d	7	L	SB (90)
4667	8° 1737	53754		03.4	-08 44	8.4	.024	B2	+ 41.5	b	6	L	IS +16 c 4
4668	9371	53755		03.5	-10 35	6.4	.030	B2	+ 16	d	3	V	
4669	A 5790A	53857		03.8	-12 53	8.5	.....	B5n	- 1.5	b	9	L	
4670	A 5790B	.....		03.8	-12 53	8.7	.....	B4	+ 22.7	b	7	L	
4671	9383	54031		04.1	-30 35	6.4	.008	B5	+ 14	d	4	L	SB (40)
4672	9384	53686		04.1	+34 05	6.1	.038	gK4	+ 14	c	4	V	SB
4673	12° 1787	53948		04.2	-12 38	10.1	.....	B9	+ 15.5	b	6	L	
4674	9385	53766		04.2	+24 15	6.9	.040	gM1	- 12.2	b	3	W	
4675	V CM!	.....		04.2	+08 56	8.0v	.....	p;M6e	+ 37	b	3	W	Em +23.2 *
4676	9386	53975		04.3	-12 19	6.4	.022	B5	+ 33	c	7	LW	IS +27 d *
4677	9388	54153		04.3	-38 18	6.1	.016	gGO	+ 21.9	b	4	W	
4678	9389	53974		04.3	-11 13	5.3	.014	B2n	+ 31	c	8	LY	*
4679	R Gem	53791		04.3	+22 47	5.9v	.009	Se	- 40.8	b	5	W	Em -56 *
4680	RY Mon	.....		04.5	-07 29	7.7v	.013	N	+ 2	c	2	W	P466
4681	AO Men	54003		04.6	-04 34	9.2v	.....	B3+B5	+ 15	b	33	Md	IS +35.4 b *
4682	11° 1793	54025		04.6	-11 15	8.4	.017	B4	+ 17.4	b	6	L	
4683	7 ^c 1745	54024		04.6	-07 40	8.9	.003	B5	+ 36	c	5	L	
4684	5 ^c 1971	.....		04.8	-05 09	<u>10.2</u>	.....	B5ne	+ 69	e	1	Md	IS +23 e
4685	5 ^s 1973	54081		04.9	-05 13	10.0	.....	B4	+ 38.4	b	6	L	
4686	9405	53899		04.9	+33 55	6.5	.040	K1	- 2.9	b	4	D	
4687	9° 1853	54104		05.0	-09 30	8.0	.034	B4n	+ 19.1	b	6	L	
4688	3 ^c 1746	.....		05.1	-04 01	<u>10.6</u>	.....	B5e	+ 65	d	2	Md	
4089	9409	54079		05.1	+07 33	5.9	.038	gKO	+ 23.9	b	4	W	
4690	9410	54046		05.1	+15 37	7.5	.218	dF8	- 13	c	4	W	
4691	9411	53633		05.2	+60 52	6.7	.052	gK1	+ 2.2	b	9	VW	*
4692	9412	53925		05.2	+37 32	6.3	.018	K0	+ 9.6	b	4	D	
4693 ⁿ	§413	53683		05.3	+60 49	8.7	.060	gG9	+ 36.5	b	3	W	
4694	1 ^o 1699	.....		05.3	+01 48	9.7	.020	B5	+ 11	c	8	L	IS +14 c
4095	9415	54100		05.3	+15 36	7.4	.210	dF7	- 11	c	4	W	
4696	9421	54131		05.5	+16 01	5.6	.104	gG8	- 17.0	b	9	VW	*
4697	11 ^v 1801	54306		05.5	-11 50	9.2	.040	B5	+ 18.7	b	6	L	
4698	W CMa	54301		05.7	-11 51	6.9v	.037	N	+ 21	d	2	W	Irr
4699	A 581SAI	54244		05.3	+16 59	7.6	.025	gK5	+ 38.1	b	3	W	
4700	A 5H16B	.....		05.9	+16 59	8.4	.....	gK5	+ 36	c	2	W	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'		km/sec						
4701	R CMi	54300	7	06.0	+10	06	7.0v	0.011	Se	+ 48	b	10	W	Em +33.3 *
4702	SW CMa	.....		06.1	-22	22	9.1v	.....	A8+A8	+ 40	b	27	Md	EA 10.1 *
4703	9439	54519		06.2	-20	47	6.9	.0*52	cK5	+ 15	c	2	L	
4704	6 CMa	54605		06.4	-26	19	2.0	.005	cG3	+ 34.3	a	66	LC	*
4705	9449	54371		06.5	+25	49	7.0	.225	dG6	+ 19.2	a	22	W	Orb. Sanford
4706	2° 1576	54489		06.5	+02	20	7.5	.023	gG9	+ 20	c	2	L	
4707	15° 1664	54575		06.5	-15	51	8.3	.017	B5e	- 28	d	6	L	SB
4708	Ross 986	.....		06.7	+38	38	12.4	1.12	dM5e	+ 39	d	6	WMd	SB (110) *
4709	2° 1579	54596		06.9	+02	00	7.8	0.016	B3	- 4.1	b	8	L	IS -2 c
4710	9456	54099		06.9	+59	09	7.6	.031	gG7	+ 11.8	b	3	W	
4711	9459	54662		07.0	-10	16	6.2	.021	O7	+ 58	c	13	3	IS +29.3 b *
4712	TV CMa	.....		07.0	-13	42	10.8v	.....	.....	+ 39.0	b	7	W	Cep 4.67
4713	60° 1034	54122		07.0	+60	18	7.3	.033	gG6	+ 5.1	b	3	W	
4714	9462	54563		07.1	+21	20	6.5	.508	dG7	- 14.5	b	3	W	
4715	9463	54893		07.2	-39	34	4.8	.012	B3	+ 19.5	b	9	L	
4716	9467	54764		07.3	-16	09	6.0	.022	B3	+ 6.4	b	6	L	
4717	9473	54912		07.7	-25	09	5.8	.014	B3	+ 28	c	6	L	
4718	9477	54810		07.7	-04	09	5.0	.215	gK1	+ 78.8	a	7	CL	*
4719	9° 1880	54858		07.8	-09	15	8.4	.016	AOe	+ 38.8	b	3	W	
4720	11° 1822	54879		07.8	-11	43	7.9	.015	B3	+ 15.6	b	7	L	IS +8 c 4
4721	15° 1681	54911		07.8	-15	36	7.0	.020	B4	+ 15.9	b	6	L	
4722	19° 1720	54935		07.9	-19	30	7.5	.....	B5	+ 20.2	b	5	L	
4723	r Gem	54719		08.0	+30	20	4.5	.055	gK3	+ 22.1	a	9	3	*
4724	59° 1056	.....		08.0	+59	21	10.2	.30	dK5	- 58	c	2	W	
4725	TZ Aur	.....		08.1	+40	52	11.0v	.....	A2	+ 58	e	1	Md	RR 0.39
4726	9489	54070		08.2	+71	54	6.4	.028	K0	- 67.5	b	4	D	
4727	9490	54716		08.2	+39	24	5.1	.049	gK5	- 27.0	a	5	L	
4728	9493	54801		08.3	+26	56	5.6	.045	A2n	+ 39	e	5	D	
4729	9495	55070		08.3	-27	25	5.6	.008	gG7	+ 15	d	1	W	
4730	9496	54825		08.4	+26	29	6.8	.011	K0	+ 40.9	b	4	D	
4731	9497	54901		08.4	+15	25	7.3	.045	F2	+ 27	d	5	D	SB (78)
4732	56° 1191	54649		08.6	+55	53	7.7	.046	gK1	+ 11	d	3	W	SB (20)
4733	9505	55057		08.8	-00	13	5.4	.034	dA8n	+ 30	e	9	LW	*
4734	10° 1908	55135		09.0	-10	21	7.2	.008	B4ne	+ 14	c	8	LV	*
4735	6° 1560	55055		09.0	+06	50	8.2	.050	ciFO	+ 1	c	2	L	
4736	10° 1448	55054		09.1	+10	36	7.9	.068	c!F7	- 45	e	2	L	
4737	9513	55864		09.1	-70	25	5.8	.097	GO	- 3	e	5	L	SB
4738	r Vol	55865		09.2	-70	25	3.9	.105	F5	+ 2.8	a	14	LC	*
4739	9516	55111		09.2	+05	44	6.0	.019	A0	+ 46	d	4	V	SB (88)
4740	9518	55185		09.3	-00	25	4.1	.006	A0	+ 15	c	17	3	*
4741	9521	55052		09.4	+24	13	5.8	.055	gF4	+ 13.0	b	10	WW	*
4742	9523	55526		09.4	-48	51	5.1	.204	K4	+ 63.6	a	5	L	
4743	9524	55184		09.5	+05	34	6.2	.023	K0	+ 10.6	b	4	D	
4744	9526	54895		09.5	+51	31	5.7	.011	gM3	- 51.0	b	4	WW	*
4745	.....	.....		09.6	+00	53	11.6	.....	R2	+ 8	c	3	W	
4746	9532	55130		09.7	+27	19	6.4	.108	dF6	- 13	e	3	W	
4747	9534	55156		09.7	+25	50	6.9	.016	AO	- 7	c	5	V	
4748	14° 1763	55394		09.8	-14	43	9.0	.031	B5ne	- 9	e	6	L	
4749	50° 1405	54983		09.9	+50	39	8.2	.097	A9	+ 28	e	2	L	
4750	9538	55283		10.0	+15	16	7.9	.013	AO	- 16	ti	6	D	SB

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
4751	VX Gem	55284	7	10.0	+14	41	<u>10.8</u> _v	....	Nep	+ 53	c	6	W	Em +42 *
4752	11° 1842	55442		10.1	-12	05	9.3	....	B4	+ 22	c	6	L	
4753	8° 1794	55438		10.1	-08	37	8.3	0.038	sgFO	+ 34	d	2	L	
4754	9545	55522		10.2	-25	51	5.9	.014	B3	+ 21.6	b	4	L	
4755	9548	54684		10.2	+70	36	7.8	.079	sgG2	- 38	c	2	L	
4756	15° 1695	55538		10.5	-15	25	8.1	.023	B4n	+ 17.3	b	6	L	
4757	BQ Gem	55383		10.5	+16	15	6.9 _v	.046	gM4	- 9.2	a	13	3	*
4758	9554	55719		10.6	-40	25	5.4	.031	A2	- 7	d	6	L	SB (78)
4759	9555	55718		10.7	-36	28	5.9	.029	B5	+ 17	c	4	L	
4760	9562	55458		10.9	+25	06	8.4	.426	dK1	- 51.4	b	3	W	
4761	RW CMa	.....	11.0	-18	39		<u>12.2</u> _v	....	.....	+ 50.0	b	7	W	Cep 5.73
4762	20° 1782	55692		11.0	-20	30	8.1	.012	B3n	+ 22.6	b	6	L	
4763	14° 1777	55691		11.1	-15	06	9.4	.017	F8	- 20	d	1	L	
4764	9569	55892		11.1	-46	40	4.5	.172	F0	- 0.8	a	7	LC	*
4765	9570	55178		11.2	+59	52	7.3	.030	gG6	+ 7.7	b	3	W	
4766	4° 1862	55684		11.3	-05	04	7.5	.012	AO+gKO	+ 3	d	4	W	SB (48)
4767	20° 1786	55760		11.3	-21	02	8.4	.025	A9	- 26	d	2	L	
4768	9577	55579		11.4	+24	48	6.7	.020	B9	+ 2.7	b	5	V	
4769	7° 1819	55753		11.5	-07	13	9.3	....	B5	+ 29	c	6	L	
4770	9581	55280		11.6	+59	44	5.3	.275	sgK2	+ 23.8	a	5	LV	*
4771	9585	55621		11.6	+24	58	6.0	.108	gM1	+ 46.6	b	4	W	
4772	9588	55856		11.7	-22	49	6.2	.023	B3	+ 17.4	b	7	L	
4773	9589	55775		11.7	-03	49	6.1	.017	gK5	+ 22	c	4	W	
4774	BQ CMa	.....	11.7	-19	36		<u>13.5</u> _v	....	N	+ 66	d	1	W	SR 420
4775	9590	55751		11.7	+03	12	5.6	*.007	gKO	+ 37.1	b	3	W	
4776	9591	56022		11.7	-45	06	5.0	.108	AOp	+ 4.3	b	4	L	
4777	9592	55730		11.8	+12	12	5.8	.058	gG6	+ 29.8	b	8	VW	*
4778	9598	55958		11.9	-31	00	6.5	.018	B3	+ 28	c	3	L	
4779	9600	55832		11.9	-09	52	6.1	.007	RK3	+ 43.4	b	3	W	
4780	15 ^m 1712	55885		12.0	-15	18	8.9	....	BOe	+ 57	d	2	Md	IS +58 d
4781	9603	55985		12.0	-30	15	6.3	.020	B4	+ 19	d	4	L	SB (42)
4782	L ² Fuji	56090		12.0	-44	33	3.4 _v	.342	M5e	+ 53.0	a	17	L	Em +49 b *
4783	9605	55879		12.1	-10	14	6.0	.013	O9	+ 32.6	a	12	3	IS +29.1 b *
4784	9606	55575		12.1	+47	20	5.6	.190	cfF8	+ 85.3	b	7	WV	*
4785	10 ^m 1934	55901		12.2	-10	12	8.4	.011	B5	+ 12	d	2	W	
4786	3608	56014		12.2	-26	16	4.7	.012	B5e	0	c	51	Md	27 CMa *
4787	17 ^m 1866	.....	12.3	-17	18		9.0	....	N	+ 52	d	1	W	
4788	9611	56013		12.4	-19	54	7.3	.008	B2E	+ 20.0	b	6	L	
4789	9614	55847		12.6	+22	03	7.4	.008	gK5	+ 62	c	3	L	
4790	9622	56003		12.8	-00	04	6.5	.021	?G5	- 10.1	b	3	W	
4791	m CMa	50139		12.8	-26	41	3.8	.009	B3e	+ 26	c	21	LY	IS +22.2 b *
4792	9826	56100		12.8	-20	57	5.8	.061	ffK4	+ 15	c	3	W	
4793	9827	55870		12.8	+27	59	5.9	.012	RMI	+ 23.8	b	5	WV	*
4794	15 ^j 1724	.....	12.9	-15	15		9.5	....	Bne	+ 28	g	1	Mi	IS +22.2 a *
4795	9628	56031		12.9	+08	04	10.0	.028	gM4	- 9.0	b	6	JW	*
4796	5° 1608	.....	13.0	+05	09		8.5	....	N	+ 52	c	2	W	
4797	MSB 54	.....	13.1	-17	25		10.5	....	N	+ 37	c	1	W	
4798	§§35	56456		13.3	-48	11	4.9	*.006	B8	+ 44	c	3	L	
4799	mm 56342		13.4	-30	30		5.3	.025	B5	+ 33.4	b	4	L	
4800	K 123-501	.....	13.5	>15	08		10.4	....	B7	+ 52	e	2	Md	IS +37 c

Cat. No/	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	o	r	//		km/sec					
4801	9640	56274	7	13.6	-12	58	7.7	0.530	dF9	+ 60	c	6	WL	*
4802	9642	55866		13.6	+52	13	6.0	.030	gK1	- 6.8	b	3	W	
4803	9643	56310		13.7	-16	09	6.8	.042	B4n	+ 24.4	a	48	L	Orb. *
4804	9654	56200		13.9	+16	14	6.8	.025	F5	+ 22.1	b	7	DS	*
4805	K 123-548	.....		13.9	-14	42	10.5	.....	B6	+ 65	a	2	Md	IS +30 e
4806	9656	56176		14.0	+26	47	6.5	.144	G5	- 6.1	b	4	D	
4807	9657	56405		14.0	-15	30	5.4	.064	A2	+ 10	c	5	LY	*
4808	9670	56222		14.3	+31	47	6.7	.006	B9	+ 22.7	b	4	D	
4809	RY CMa	.....		14.3	-11	24	7.8v	.019	cK0v	+ 37.0	b	7	W	Cep 4.68
4810	K 123-602	.....		14.4	-14	59	10.5	.....	B5	+ 33	d	2	Md	IS +45 e
4811	A 5951A	56577		14.5	-23	14	4.8	.010	£M0	+ 27.9	a	7	L	
4812	A 5951B	56578		14.5	-23	13	6.8	.074	dFO	+ 36.9	b	4	W	
4813	9677	56221		14.6	+40	58	5.8	.017	B9n	- 15	c	6	W	
4814	9678	56618		14.6	-27	47	4.8	.041	gM3	+ 41.5	b	10	LW	*
4815	9681	56169		14.7	+49	33	4.8	.008	A2	- 11.7	b	16	3	*
4816	14° 1810	56617		14.8	-14	45	8.1	.047	dF5	+ 34.2	b	3	W	
4817	9686	56813		14.8	-46	41	5.5	.031	K5	+ 20	d	1	L	
4818	9688	56386		14.9	+31	03	6.0	.030	B9	+ 34	c	5	D	
4819	9689	56099		14.9	+59	13	7.6	.083	cP7	- 54.4	b	3	W	
4820	26° 1512	56418		14.9	+26	26	7.6	.007	cG7	- 4	c	3	L	SB (21)
4821	RR Mon	56567		15.0	+01	11	8.0v	.....	gM6e	+ 28	c	2	W	Em +14 *
4822	9696	56779		15.0	-36	30	5.0	*.008	B3	+ 8	d	6	L	SB
4823	18° 1767	56727		15.2	-18	38	8.9	.....	B5n	+ 24	c	6	L	
4824	X Gem	56537		15.2	+16	38	3.6	.061	A2n	- 9.2	b	35	6	*
4825	7T Pup	56855		15.4	-37	00	2.7	.008	K5	+ 15.8	a	17	LC	*
4826	9711	56243		15.6	+59	21	6.9	.032	RK5	+ 8.1	b	5	W	
4827	K 123-778	.....		15.6	-15	59	10.7	.....	B4	+ 6	e	1	Md	IS +24 e
4828	11° 1883	56827		15.8	-11	52	10.0	.....	B3	+ 23	c	6	L	
4829	14° 1628	56714		15.8	+14	27	7.7	.015	B9	+ 31	d	4	W	SB (49)
4830	15° 1748	56847		15.9	-15	32	8.7	.037	B2n	+ 21.4	b	6	L	
4831	9720	56196		15.9	+65	32	9.4	.321	dGO	+ 36.4	b	3	W	
4832	9721	55075		16.0	+81	21	6.2	.028	B9	- 7.9	b	4	V	
4833	K 123-822	.....		16.0	-15	32	8.6	.....	cB3	+ 65	d	2	Md	IS +46 e
4834	67° 483	56168		16.0	+67	45	8.6	*.089	dK1	- 8.8	b	3	W	
4835	CC 418	.....		16.2	+32	56	10.0	.56	dM2	- 61	e	3	W	
4836	16° 1885	56952		16.2	-17	06	9.1	.004	B4n	+ 8.4	b	6	L	
4837	RU Cam	56167		16.4	+69	46	7.9v	.015	K0-R0	- 24.4	a	24	W	Cep 22.2 *
4838	9729	56790		16.4	+22	07	8.0	.010	pG8	+ 6	c	4	W	SB (26)
4839	9733	57150		16.5	-36	39	4.7	.010	B3ne	+ 18.6	b	3	L	
4840	9734	57060		16.6	-24	28	4.9	.008	O7	- 11	c	31	OV	IS +27.3 b *
4841	15° 1537	56888		16.6	+15	17	8.3	.020	gA8	+ 5.3	b	3	W	
4842	N 2362-4	.....		16.6	-24	55	8.6	.....	B4	+ 42	d	2	L	
4843	r CMa	57061		16.6	-24	52	4.4	.012	O9	+ 40.4	b	33	Y	IS +26.8 b *
4844	N 2362-3	.....		16.7	-24	52	8.1	.....	B2	+ 47	d	3	LW	IS +26 e *
4845	N 2362-7	.....		16.8	-24	53	9.2	.....	B4	+ 15	d	3	L	
4846	9739	56989		16.8	+02	50	6.1	.018	gG8	+ 23.7	b	6	DW	*
4847	10° 1495	56965		16.8	+10	30	7.4	.015	gcM0	+ 27	c	3	LY	*
4848	mm	57146		16.8	-26	30	5.4	.020	cG5	+ 32.3	b	9	LW	*
4849	9743	57240		16.9	-39	07	5.2	.004	A2	+ 31.8	b	4	L	
48W	9746	57219		16.9	-36	39	5.1	*.008	B3	+ 23	c	5	L	

General Catalogue of Radial Velocities³

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
4851	5 Vol	57623	7	16.9	-67	52	4.0	0.009	F5	+ 22.6	a	9	LC	*
4852		9752		17.1	+07	14	6.0	.098	dF8	+ 22.1	b	7	SW	*
4853		9754		17.1	-24	52	7.3	.016	B3	+ 26	c	4	LW	IS +24 c *
4854	5 Gem	56986		17.1	+22	05	3.5	.024	dA8n	+ 2.6	b	10	LV	A 5983A *
4855	A 5983B	.....		17.1	+22	05	8.2	....	dK6	+ 2.2	b	3	W	
4856	R CMa	57167		17.2	-16	18	6.2v	.206	A9	- 39.0	b	113	3	EA 1.14 *
4857		9759		17.3	+15	14	6.5	.026	A1n	+ 13	c	12	3	*
4858	5°	2069		17.3	-05	11	9.2	.015	G5	- 11	d	1	L	
4859	21°	1874		17.4	-21	55	8.7	.020	B3n	+ 19	c	6	L	
4860		9765		17.5	+42	45	6.6	.052	K0	+ 45.8	b	4	D	
4861		9769		17.7	+45	19	5.6	.043	sgA7	+ 25.1	b	4	W	
4862	29°	1511		17.7	+29	49	7.1	.010	A2	+ 4.6	b	6	D	
4863	15°	1544		17.8	+15	00	8.5	.016	gG9	- 41.7	b	3	W	
4864		9772		17.8	+87	08	5.3	.051	gM2	- 25.2	a	6	LW	*
4865	21°	1880		17.9	-21	48	9.1	....	B5n	+ 26	c	6	L	
4866		9775		17.9	+60	00	6.3	.013	gFO	+ 6.7	b	4	W	
4867	BM Gem	57160		17.9	+25	06	11.5v	.054	N	+ 98	d	1	W	Irr
4868	46°	1254		18.1	+46	19	8.0	.020	dF8	- 27	c	2	L	
4869		9781		18.1	+03	41	6.8	.007	B5	+ 6.8	b	7	V	
4870	AR Mon	.....		18.3	-05	10	10.1v	.029	K0	+ 14.1	b	29	Md	EA 21.2 *
4871	14°	1843		18.3	-14	47	9.1	.022	£K3	+129	c	3	W	
4872	RR Gem	.....		18.4	+30	59	10.8v	.026	A8	+ 80	c	3	W	RR 0.40
4873	A 6004B	57067		18.4	+50	15	7.4	.057	dA5n	+ 5.4	b	7	VW	SB *
4874	A 6004A	57066		18.4	+50	15	7.3	.051	dA5n	+ 7	c	7	VW	SB *
4875	26°	1531		18.5	+26	15	7.9	.026	£G5	+ 15	c	3	L	
4876		9795		18.7	-14	16	5.7	.025	gG5	+ 13.2	b	3	W	
4877		9796		18.7	+36	51	5.2	.090	^G9	+ 23.2	a	4	L	
4878		9798		18.8	-22	45	6.4	.045	B5n	+ 10	c	6	L	
4879	A 6Q12B	57102		18.8	+55	23	6.5	.028	AOn	+ 10	c	7	VW	SB *
4880	A 6012A	57103		18.8	+55	23	5.6	.034	B8n	+ 5.2	b	55	OV	Orb. Pearce
4881		9801		18.8	+39	06	6.5	.043	K1	+ 2.9	b	4	D	
4882	30°	1488		19.0	+29	55	8.1	.034	dF4	- 15.8	b	4	L	
4883		9808		19.0	+20	32	5.2	.069	?M0	+ 4.4	a	9	LV	*
4884		9809		19.0	-25	48	6.1	.025	gM4	+ 23.4	b	3	W	
4885	70°	450		19.0	+70	03	8.2	....	A9	+ 10	d	4	L	SB (136)
4880		9810		19.1	-05	48	6.6	.001	B8n	+ 17.0	b	6	V	
4887	14°	1644		19.2	+14	44	8.6	.064	g"G2	+ 25.8	b	3	W	
4888		9818		19.4	-51	59	5.5	.030	AOn	+ 21	d	9	L	
4889		9823		19.6	-08	53	6.2	.020	09	+ 23.0	b	7	VW	IS +20 c *
4890	TW CMa	.....		19.8	-14	13	9.5v	....	cF6v	+ 66.5	b	7	W	Cep 6.99
4891	14°	1049		19.9	+14	23	8.3	.016	gF4	+ 32.1	b	3	W	
4892		9833		20.0	-05	53	5.8	.013	gF2	+ 11.4	b	3	W	
4893	9°	2005		20.0	-10	07	9.3	.038	K0	+ 26	d	1	L	
4894		9830		20.0	-18	55	4.9	.011	B8	+ 27.0	b	12	LY	*
4835		9839		20.2	+15	27	6.7	.012	G5	+ 0.2	b	6	D	
4896	20°	1889		20.2	-20	25	7.4	.028	gM6	+ 36	c	2	L	
4897	8°	1875		20.2	-08	50	8.3	.034	A9	+ 47	c	2	L	
4898	V Gem	57770		20.4	+13	12	7.5v	.045	*M4e	+ 22	d	i	W	Em +11 c 2 *
•1399	22°	1B37		20.4	-22	56	9.2	«...»	BSe	+ 10	c	6	L	
4900		9843		20.4	+25	09	5.1	.070	*G2	+ 6.2	a	8	LW	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'	''		km/sec					
4901	17° 1941	57907	7	20.5	-17	32	8.3	0.013	B5	+ 29	c	6	L	
4902	9844	57744		20.5	+23	03	6.0	.043	AOn	+ .18	c	4	D	
4903	9848	57044		20.6	+73	11	7.1	.027	dA7n	- 33.7	b	8	W	*
4904	3° 1873	57884		20.6	-04	08	9.3	.....	N	+ 55	c	2	W	*
4905	9850	57669		20.7	+40	46	5.3	.026	RKO	+ 21.2	b	7	3	*
4906	VZ Cam	55966		20.7	+82	31	4.7v	.041	gM4	+ 14.3	b	11	3	SR 23.7 *
4907	9853	57128		20.7	+73	11	7.8	.032	F0	- 29.0	b	4	V	
4908	VY CMa	.....		20.9	-25	40	8.8v	.044	gcM4e	+ 49	c	3	W	Irr?
4909	9860	57646		21.1	+51	59	5.9	.044	gK5	+ 17.9	b	7	DW	*
4910	9862	58155		21.1	-31	50	5.4	.018	B5n	+ 23.5	b	3	L	
4911	19° 1854	58131		21.2	-20	08	7.3	.015	B2n	+ 32.2	b	6	L	IS +3 c 4
4912	CC 423	.....		21.4	+46	12	9.2	.45	dK2	+ 8.0	b	3	W	
4913	9868	57927		21.4	+27	44	5.7	.021	dFO	- 4.5	b	6	W	
4914	9870	58215		21.5	-27	44	5.1	.044	M1	+ 47.8	b	8	LC	SB *
4915	ZZ CMi	.....		21.5	+09	00	9.3v	.....	gM6ep	- 14	c	4	W	Em +22
4916	BE CMa	58195		21.5	-22	52	11.0v	.....	N	+ 44	d	1	W	Irr
4917	9874	58098		21.5	-03	53	7.0	*.016	K4	+ 8	d	1	V	
4918	9876	58050		21.6	+15	37	6.4	.014	B3e	+ 38.1	b	5	V	IS +12.0 b We
4919	9877	58286		21.6	-32	06	5.5	.013	B3	+ 21.3	b	5	L	
4920	6° 1648	58121		21.8	+06	15	7.7	.002	gG7	+ 14	c	2	L	
4921	9883	58325		22.0	-30	07	6.6	.023	B3	+ 7	c	3	L	
4922	l) CMa	58350		22.1	-29	12	2.4	.008	cB7	+ 41.1	b	18	3	IS +22.9 b *
4923	9891	58187		22.2	+11	46	5.3	.023	Aln	0	c	17	4	*
4924	9893	58343		22.4	-16	06	5.2	.017	B3e	- 4.5	a	15	LW	IS +18.3 b *
4925	N 2371-2	.....		22.5	+29	35	.....	.....	.....	+ 21	e	3	L	Em PL. n€*x
4926	20° 1912	58416		22.5	-20	37	9.5	.023	B2n	+ 16	c	6	L	
4927	l Gem	58207		22.6	+27	54	3.9	.147	&G7	+ 8.4	a	15	4	*
4928	9898	58246		22.6	+20	36	6.9	.029	A5	- 27	c	2	V	
4929	N 2384-3	.....		22.7	-20	55	.....	.....	B0	+ 46	d	2	L	
4930	2° 2101	58385		22.7	-03	02	9.1	.023	N	+ 64	d	1	W	
4931	20° 1915	58465		22.8	-20	55	8.7	.....	B4	+ 27	c	6	L	
4932	9903	58535		22.8	-31	43	5.4	*.025	K2	+ 19.9	a	7	LC	*
4933	9905	58461		22.8	-13	39	5.8	.222	dFO	+ 7.4	b	3	W	
4934	9907	58244		22.9	+32	00	6.8	.003	A0	- 14	c	6	D	
4935	€ CMi	58367		22.9	+09	23	5.1	.015	gG5	- 7.9	b	12	3	*
4936	9909	58142		22.9	+49	19	4.4	.051	A0	+ 25.9	a	24	4	*
4937	9910	58510		23.0	-21	04	6.7	.039	B2n	+ 20.2	b	7	L	IS +19 c
4938	20° 1920	58509		23.0	-20	55	8.5	.027	B4n	+ 26	c	8	L	
4939	22° 1679	58337		23.1	+22	01	10.0	*. * .	R4	+ 4	d	2	W	
4940	22° 1680	58364		23.2	+21	59	9.8	.019	R4	- 3	c	2	W	
4941	10° 2035	58529		23.3	-10	39	9.0	.013	B8	- 3.8	b	6	L	
4942	9923	58526		23.4	-05	40	6.1	.030	cG2	+ 14.1	b	3	W	
4943	18° 1618	58477		23.6	+18	37	8.3	.028	sf?F2	+ 39	d	2	L	
4944	9932	58552		23.7	+10	43	6.2	.021	A0	- 12	d	4	V	
4945	9933	58766		23.8	-31	38	6.2	.007	B4	+ 10.3	b	3	L	
4946	9934	58551		23.9	+21	38	6.4	.312	dF4	+ 47	c	7	VW	SB *
4947	K123-1778	.....		23.9	-14	59	9.0	.....	cB2	+ 83	c	3	Md	IS +47 c
4948	9937	58579		24.0	+20	22	9.9	.023	SRA7H	+ 9	c	10	WS	SB *
4949	SS CMa	.....		24.0	-25	09	9.9v	.....	.....	+ 60	c	5	W	Cep 12.4
4950	27° 1387	58578		24.2	+27	24	.....	.028	A2	- I	c	4	W	

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
4951	(5 CMi	58715	7	24.4	+08	23	3.1	0.065	B8ne	+ 22	c	12	3	*
4952	RY Gem	.....		24.6	+15	46	8.5v	.022	*	+ 11.7	a	44	VMd	A2e+K2p *
4953	9953	58729		24.6	+15	25	7.0	.026	B9n	+ 25	c	7	DW	*
4954	5° 1668	.....		24.7	+05	29	10.0	3.75	dM4	+ 26	c	5	WMd	*
4955	2° 1677	58784		24.7	+02	34	8.3	0.010	B3	+ 6	c	8	L	IS +15 c
4956	9956	58683		24.7	+27	24	8.1	.122	fG6	+ 54.7	b	7	DW	*
4957	9957	58728		24.8	+21	33	5.3	.136	dF4	+ 25.4	b	39	V	Orb. Harper
4958	9959	59026		24.8	-34	02	6.0	.031	B5n	+ 7	c	3	L	
4959	9960	58978		24.9	-22	59	5.5	.011	B2ne	+ 48	d	5	L	
4960	9961	58954		24.9	-17	46	5.7	.014	dA5n	- 29.2	b	3	W	
4961	9963	58640		25.0	+48	01	6.9	.102	gM4	+ 25.5	b	3	W	
4962	9964	59219		25.1	-50	55	5.1	.008	K6	+ 7.8	b*	4	L	
4963	29° 1535	58746		25.1	+29	31	7.4	.026	sgA8n	+ 11.7	b	8	DW	*
4964	2° 2123	58973		25.2	-02	58	8.4	.007	B5	- 3.1	b	7	L	
4965	7) CMi	58923		25.3	+07	03	5.3	.047	gFO	+ 17.8	a	13	3	*
4966	20° 1951	59076		25.4	-21	03	7.7	.022	gG5+A2	+ 20	d	2	L	SB (58)
4967	y CMi	58972		25.4	+09	02	4.6	.064	^K4	+ 46.8	a	24	3	Orb. Christie *
4968	9979	59067		25.5	-11	27	5.9	.007	F8+B3n	+ 14.6	b	4	W	
4969	15° 1837	59094		25.6	-15	59	9.0	.015	B3ne	+ 14.7	b	5	L	
4970	9983	57508		25.6	+81	00	6.5	.006	gG7	- 2.0	b	3	W	
4971	9985	58425		25.7	+68	34	5.8	.043	gK2	+ 56.4	b	3	W	
4972	K123-1955	.....		25.7	-15	17	9.7	.....	Q7	+ 54	d	2	Md	IS +32 c
4973	p Gem	58946		25.9	+31	53	4.2	.231	A8	- 5.7	b	9	LA	*
4974	9988	59059		25.9	+15	13	6.1	.031	AO n	+ 33.8	b	8	DV	*
4975	9990	59256		26.0	-29	03	5.5	.010	B9	+ 4.2	b	3	L	
4976	9992	58855		26.1	+49	47	5.4	.144	dF5	- 26.7	a	12	3	*
4977	o 4062A	233399		26.2	+50	04	9.0	.040	dG3	- 76.8	b	3	W	
4978	u 4062B	.....		26.2	+50	05	9.4	.....	dG4	- 1.1	b	3	W	
4979	9995	59211		26.2	-09	56	6.6	*.019	B5	+ 30*	d	9	V	SB
4980	9997	59037		26.2	+28	13	5.0	.070	Aln	+ 35.4	b	16	5	*
4981	NGC 2392	59088		26.3	+21	01	8.7	.....	Pe	+ 84.2	b	9	L	Em PL neb.
4982	14° 1677	59150		26.4	+14	28	7.0	.014	A0	- 6.3	b	5	D	
4983	9999	59152		26.4	+12	52	6.6	.024	A5n	+ 26	c	5	D	
4984	10001	59180		26.4	+11	41	7.0	.032	K0	+ 82	d	1	V	
4985	10002	58945		26.5	+50	05	8.0	.098	dF4n	+ 15	c	4	W	
4986	10009	59058		26.6	+38	33	7.7	.087	dG5	+ 14	c	2	L	
4987	10015	59148		26.7	+28	01	5.1	.040	RK1	+ 36	b	14	L	SB
4988	10017	59311		26.8	-01	48	5.8	.021	gK5	- 4.9	b	4	W	
4989	10020	59499		26.9	-31	45	5.5	.004	B3	+ 2	c	3	L	
4990	10021	59500		26*9	-31	45	7.2	.040	B3n	+ 4	c	3	L	
4991	10022	50381		27.0	-10	is	6.0	.031	PK5	- 7.3	b	3	W	
4992	10023	59380		27.0	-07	26	6.0	.144	dF9	+ 9.1	b	3	W	
4393	10024	59294		27.0	+12	07	4.8	.019	gK3	- 15.4	a	6	LV	*
4994	10025	58917		27.1	+62	36	6.8	*.046	"A0	+ 1.5	b	7	D	
4995	10027	59438		27.1	-14	53	5.9	.316	dF4	- 6	c	7	WMd	*
4996	10029	59550		27.2	-31	21	5.8	MB	B3	+ 8	c	4	L	
4997	21° 1962	59497		27.3	-21	45	8.4	loi2	B3ne	+ 15	c	6	L	
4998	10033	59635		27.4	-38	42	9.4	.034	B8	+ 26	c	4	L	
4999	10030	59033		27.8	+61	52	6.8	.109	G5	- 1.8	b	4	0	
5000	10038	59543		27.0	-13	53	6.9	.039	B5	+ 4.7	a	57	L	Orb. *

Cat. No.	* Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		"	km/sec					
5001	<T Pup	59717	7	27.6	-43	12	3.3	0.195	M0	+ 88.1	a	52	CL	Orbits *
5002	10043	59612		27.7	-22	55	4.8	.009	cA7	+ 35.8	b	13	3	*
5003	20° 1823	59430		27.8	+20	38	7.1	.021	A3	- 3	c	7	S	
5004	10048	59604		28.2	+08	39	7.2	.005	dF2	+ 23.8	b	4	W	
5005	U Mon	59693		28.4	-09	40	5.6v	.010	cG8ev	+ 34.6	a	51	W	RV 92.3 *
5006	€ Men	60816		28.4	-78	59	5.4	.032	K5	+ 10.5	b	8	LC	*
5007	10061	59507		28.5	+39	00	6.5	.038	A0	+ 7	c	3	V	
5008	21° 1979	59773		28.6	-21	42	8.1	.001	B3e	+ 20	c	6	L	
5009	17° 2010	59771		28.6	-18	09	9.1	.023	cF5e	+ 10	d	1	W	
5010	Ross 989	.....		28=7	+36	21	12.2	.41	dM4e	- 2	c	4	W	
5011	CC 426	.....		28.7	+36	20	11.2	.44	dM4	+ 1	c	11	WMd	SB (51) *
5012	18° 1873	59813		28.8	-18	49	9.1	.011	B3n	+ 16	d	6	L	
5013	10071	59890		28.8	-30	51	4.8	.024	GO	+ 14.4	a	8	L	
5014	24° 1686	59643		28.8	+24	38	8.2	.006	R6	+ 41	b	4	W	
5015	10073	59686		28.9	+17	12	5.6	.097	gK2	- 40.2	b	3	W	
5016	20° 1991	59910		29.2	-21	08	9.1	.008	B9	+ 30	c	6	L	
5017	10079	59764		29.2	+12	46	6.6	.043	G8	+ 59.0	b	5	D	
5018	16° 1995	59934		29.4	-17	05	7.8	.024	B4	+ 16	c	6	L	
5019	10085	59881		29.5	+02	01	5.3	.013	A8	+ 29.1	b	14	3	*
5020	5° 2153	59929		29.5	-05	50	7.0	.019	K2	+ 25	d	1	V	
5021	VW Pup	.....		29.6	-20	03	11.2v	.....	.....	+ 24	c	6	W	Cep 4.28
5022	10091	59201		29.8	+73	23	8.4	.354	dK2	- 24	c	4	W	SB (20)
5023	10092	59878		29.8	+23	00	6.4	.026	G7	+ 29.8	b	4	D	
5024	10093	59980		29.9	-00	25	8.1	.085	gF6	+ 28	c	2	L	
5025	S CMi	59950		30.0	+08	26	6.9v	.024	gM7e	+ 68	c	2	W	Em +55 *
5026	Z Pup	60218		30.5	-20	33	7.4v	.033	gM6e	+ 26	c	4	W	Em +12 *
5027	VX Pup	.....		30.5	-21	49	7.8v	.023	cF5	+ 12.0	b	12	W	Cep 3.01
5028	6° 2166	60156		30.6	-06	45	7.3	.057	K2	- 52	d	1	W	
5029	10103	60081		30.6	+15	45	6.7	.011	RG8	+ 55.3	b	3	W	
5030	10104	60111		30.6	+03	24	5.7	.042	FOn	+ 0.8	b	4	D	
5031	TY Pup	60265		30*6	-20	41	8.5v	.053	A9n	+ 28	b	34	Md	EB 0.58 *
5032	X Pup	60266		30.6	-20	48	8.4v	.013	cG4v	+ 61.5	b	11	W	Cep 26.® *
5033	10106	60107		30.8	+15	56	5.1	.024	AOn	+ 13	c	13	3	*
5034	11° 1994	60260		30.8	-11	30	8.9	.029	B4ne	+ 19	c	5	L	
5035	10113	60325		31.1	-14	14	6.2	.013	B5	+ 21.7	b	8	LW	*
5036	66° 512	59720		31.1	+66	35	7.5	.....	p:M4	+ 19.1	b	3	W	
5037	5° 2165	60276		31.1	-06	07	7.4	.031	KG	- 9	C	1	V	
5038	10115	60341		31.1	-19	18	5*8	.073	c:K3	+ 16.4	b	5	W	
5039	T CMi	.....		31.2	+11	51	8.9v	.....	ε?M5e	+ 35	c	2	W	Em +23 *
5040	10117	60275		31.3	+10	41	6.2	.013	A0	0	G	3	V	
5041	10119	60204		31.4	+28	48	6.7	.024	G8	- 12.3	b	4	D	
5042	A 6175A	60179		31.4	+32	00	2.0	.199	A2	+ 6.0	z	43	L	oc GemA *
5043	A 6175B	60178		31.4	+32	00	2.8	.199	A0	- 1.2	"	32	L	at GemB *
5044	A 6175C	.....		31.4	+31	59	8.6v	.222	*	+ 2.5	z	67	WMd	YY Gem *
5045	10122	60414		31.5	-14	25	5.1	.015	εM3ep	+ 22	c	j14	3	SB *
5046	10128	60357		31.6	+03	29	5.8	.020	AOn	+ 33.3	*)	8	BW	*
5047	10130	00298		31.8	+25	04	3.0	.392	GO	-130	c	4	D	SB (21)
5048	10134	00532		31.9	-22	11	4.5	.059	dF5	+ 61.1	a	15	3	*
5049	10136	60336		32.0	+24	23	7.9	.025	ε ^T M2	+ 24.9	b	3	W	
5050	10137	60318		32.0	+31	04	5.3	.031	CK0	- 5.5	a	9	VL	*

Cat. No.*	Star	ELD. No.	1950		Magn.	$\frac{p}{f} \frac{TT}{IVx}$	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
5051	10138	60553	h 7	m 32.0	-20 02	6.8	0.011	B2	+ 28.2	b	10	L	IS +12 d *
5052	10139	60606		32.0	-36 14	5.5	.019	B0e	- 10	d	9	L	
5053	10141	60489		32.2	+02 50	6.5	.053	A2	+ 46	c	3	V	
5054	A 6190A	60584		32.2	-23 22	5.9	.094	dF4	- 5	c	3	W	
5055	A 6190B	60585		32.2	-23 22	6.0	.111	dF5	- 6.1	b	3	W	
5056	10149	60383		32.3	+28 44	7.0	.013	A3	- 8	c	5	D	* *
5057	10156	60335		32.4	+43 09	6.3	.058	F2	+ 20.6	b	6	D	
5058	CC 428	.....		32.4	-10 16	11.6	.63	sdG2	+ 89	c	2	Md
5059	V 10164	60294		32.7	+55 52	6.0	.041	gK2	+ 0.7	b	12	WV	
5060	V Gem	60522		32.8	+27 01	4.2	.114	gMO	- 20.6	a	14	3	
5061	10168	60437		32.9	+46 18	5.8	.048	gMO	+ 29.2	b	3	W	
5062	54 ^c 1159	60381		33.1	+54 29	8.1	.038	sgF4	- 6	c	2	L	SB
5063	10172	60293		33.2	+60 39	6.9	.024	A0	- 12	c	5	D	
5064	10178	60863		33.4	-28 15	4.6	.080	B8	+ 13	d	4	L	
5065	30 ^c 1533	60618		33.6	+29 53	8.2	.037	sgF5	0	c	2	L	
5066	19 ^o 1959	60859		33.6	-19 40	9.1	.022	B4n	+ 25	c	6	L	
5067	10187	60406		33.6	+61 39	7.2	.031	F5	- 40.7	b	5	D	SB
5068	10189	60855		33.8	-14 23	5.6	.012	B5ne	+ 21.1	b	6	L	
5069	9 ^o 2129	60873		33.9	-10 09	8.3	.009	B5n	+ 4	d	6	L	
5070	10193	60654		33.9	+40 08	6.6	.041	K8	+ 30.6	b	4	D	
5071	2 ^o 1715	60826		33.9	+02 11	8.7v	.08	N	+ 44	c	2	W	IS +13.4 b *
5072	23 ^o 5759	60952		33.9	-23 29	11.6	.....	N	+ 10	d	1	W
5073	10194	60803		33.9	+05 58	5.9	.112	F8	+ 3.6	b	4	S	
5074	10201	60652		34.2	+48 53	5.9	.042	A3	+ 10.3	b	3	V	
5075	17 ^o 1623	60848		34.2	+17 01	7.7	.017	O7ne	+ 15	c	16	LV	
5076	19 ^o 1965	61022		34*3	-20 07	9.6	B4	+ 28	c	6	L	SB *
5077	12 ^o 2050	60993		34.4	-12 57	9.1	*066	B3n	+ 23	c	6	L	
5078	31 ^o 1633	60800		34.4	+31 43	7.6	.039	B3	- 1.2	b	4	D	
5079	10206	61248		34.4	-52 25	4.9	.030	M0	+ 62.0	b	9	LC	
5980	10208	61068		34.5	-19 35	5.7	.015	B3	+ 22	c	6	L	
5981	NGC 5419		34.8	+39 00	11.5	F5	+ 14	c	5	LW	Glob. cl. *
5082	10217	61064		34.8	-04 00	5.2	.071	P:F5	+ 46.0	a	10	LC	
5083	37 ^o 1747		34*9	+36 50	8.1	.012	cMO	- 7.4	b	3	W	SB (36) *
5084	Me 49L14	.....		35*2	+34 34	11.4	.12	dMO	+ 15	c	2	W
5085	10233	61035		35.2	+24 28	6.3	.028	FOn	+ 7.3	b	4	D	
5086	10237	60986		35.3	+35 10	5.6	.046	P-G5	- 35.5	b	3	W	
5087	15 ^f 1941	61207		35.3	-15 34	7.9	.017	B5	+ 15	c	7	L	
5038	10248	61330		35.5	-34 51	4.6	.030	B8	+ 24.0	b	3	L	* *
50H9	10254	.....		35.8	+05 11	8.5	.006	gM2	+ 1	r	4	W
5090	0 Gem	61110		35.9	+34 42	4.9	.119	dF1	+ 7.3	a	10	3	
5091	13 ⁱ 2143	81347		36.0	-13 44	8.3	.018	B3	+ 39	d	7	L	Cep 222 C 0.2
5092	54 ^c 1168	60983		36.0	+54 34	8.0	.040	gF5	+ 8	c	2	L	
50@3	21 ^c 2051	61407		36.1	-22 08	9.0	.....	~B7	+ 10	c	7	L
5034	10285	61219		36.2	+24 20	6.0	.010	AO	- 11	d	3	V	
5095	10266	61429		36.2	-25 15	4.6	.013	B8	+ 41	d	6	L	
5096	+0 ^p 2023	61367		36.4	-00 09	7.3	.017	?M2	+ 17	c	2	L	* *
5397	VZ Pup	.....		36.6	-28 23	9.7v	.....	.....	+ 49.0	b	8	W
503ã	10276	61338		36*6	+17 47	5.2	.007	RMO	+ 27.5	a	8	LW	
5093	a CMi	61421		36.7	+05 21	0.5	1.250	dF3	- 3.2	a	233	CL	
5103	10279	61106		36.7	+57 12	6.2	0.020	gK5	- 13.4	b	3	W	

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
5101	10280	61295	7	36.7	+32	08	6.1	0.052	gF3	+ 25	c	12	3	SB *
5102	10281	61555		36.8	-26	41	4.5	.024	B8	+ 23.6	a	4	L	
5103	10283	61556		36.8	-26	41	4.6	.039	B5n	+ 33	c	3	L	
5104	10288	61294		36.9	+38	28	5.9	.049	gMO	+ 46.1	b	7	DW	*
5105	10289	61715		36.9	-48	29	5.6	.009	cF4	+ 11.0	b	5	L	
5106	10291	61641		36.9	-36	23	5.7	.014	B5	+ 19	c	2	L	
5107	10298	.....		37.3	-01	24	9.7	.282	dG2	+ 45.3	b	3	W	
5108	10303	61563		37.5	+05	21	5.8	.026	A0	+ 16	c	6	V	SB (35)
5109	10304	61606		37.5	-03	29	7.2	.298	dK3	- 21.1	b	3	W	
5110	10305	61363		37.5	+48	15	5.8	.143	gG6	+ 39.8	b	3	W	
5111	10311	61831		37.7	-38	12	4.9	.022	B3n	+ 26.4	b	5	L	
5112	70° 471	61091		37.8	+69	48	8.3	....	gK1	+ 3.0	b	3	W	
5113	10316	61878		38.0	-38	01	5.7	.028	B9n	+ 30	c	3	L	
5114	10317	61630		38.0	+13	53	6.5	.023	K2	+ 5.2	b	4	D	
5115	10318	61603		38.0	+23	08	6.2	.012	K5	+ 39.4	b	4	D	
5116	10323	61899		38.0	-38	09	5.8	.019	B5	+ 22.6	b	6	L	
5117	10328	61772		38.1	-15	09	5.2	.026	gK5	+ 0.1	b	11	3	*
5118	10332	61925		38.2	-37	28	6.0	.014	B5n	+ 23	d	3	L	
5119	Y Gem	.....		38.2	+20	33	8.5v	.028	gM6e	+ 18	c	2	W	SR 142
5120	U CMi	61789		38.6	+08	30	8.0v	.006	gM4e	+ 56	c	2	W	Em +42 c *
5121	10343	61497		38.8	+58	50	5.0	.066	A2	+ 8.7	b	21	3	*
5122	18° 1713	61787		38.8	+18	10	8.1	.008	sgG4	- 1	c	2	L	
5123	OL Mon	61935		38.9	-09	26	4.1	.078	gKO	+ 10.5	a	8	LC	*
5124	10347	61887		39.0	+03	45	5.9	.029	AOn	- 24	c	3	V	
5125	10349	61885		39.1	+13	36	6.1	.046	M1	+ 6.8	b	4	D	
5126	18° 1968	62053		39*2	-19	03	9.1	.035	B5	+ 14.4	b	6	L	
5127	10351	61913		39.2	+14	20	5.8	.013	gM3	- 16.3	b	4	WV	*
5128	UZ Pup	.....		39.4	-13	17	9.7v	.....	A5+A7	+ 25	b	42	Md	EB 0.79 *
5129	10354	61859		39.5	+34	07	6.0	.076	F3	- 11.1	a	25	V	Orb. Harper
5130	10355	62226		39.5	-38	25	5.5	.027	B3	+ 40	d	4	L	SB (78)
5131	NGC 2438	62099		39.5	-14	36	.....	.....	pd	+ 77	c	3	L	Em PL neb.
5132	NGC 2440	62166		39.7	-18	05	.....	.....	Pe	+ 62.7	b	5	L	Em PL neb.
5133	WW Pup	.....		39.8	-21	01	10.7v	.....	.....	+ 87	c	4	W	Cep 5.52
5134	WX Pup	.....		39.9	-25	45	9.1v	.....	cGO	+ 49.0	b	8	W	Cep 8.94
5135	S Gem	62045		40.0	+23	34	7.8v	.020	gM5e	+111	c	2	W	Em +101 c *
5136	0" Gem	62044		40.2	+29	00	4.3	.245	gK1p	+ 45.8	a	38	O	Orb. Harper
5137	10377	61931		40.3	+50	33	5.3	.036	AO	+ 6	c	8	3	SB (45) *
5138	10378	62141		40.4	+22	31	6.3	.025	G5	- 3.2	b	4	D	
5139	10381	62264		40.5	+00	19	6.4	.014	G6	+ 7.7	b	4	D	
5140	10385	62412		40.7	-26	14	5.8	.032	s*G5	- 18	d	1	W	
5141	27° 4438	62413		40.8	-27	19	10.3	.....	B4e	+ 40	d	2	Md	IS +25 c
5142	4° 2060	62326		40.8	-05	03	9.3	.018	A0	- 44	e	1	L	
5143	20° 2136	62391		40.3	-21	03	9.4	•. « *	B4n	+ 12	c	7	L	
5144	10389	62230		4L0	+24	22	6.8	.033	A5	+ 27.9	b	5	V	
5145	10392	62285		41.1	+25	54	5.4	.025	gMO	+ 2.7	b	12	3	*
5146	10397	62758		41.3	-58	31	6.4	.013	B5	- 4	d	3	L	SB
5147	10401	62578		41.4	-35	56	5.6	.028	B8n	- 0.8	b	3	L	
5148	10402	62644		41.4	-45	03	5.2	.568	G4	+ 22.5	b	4	L	
5149	K Gem	62345		41.4	+24	31	3.7	.000	pG7	+ 20.6	a	21	5	*
5150	10407	62407		41.4	+12	59	6.5	.052	K3	+ 26.1	b	4	D	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'			km/sec						
5151	10409	62576	7	41.5	-28	17	4.8	0.027	gK5	+ 32.7	a	8	LC	*	
5152	17° 2120	62532		41.5	-17	50	8.6	.012	B3ne	+ 30	d	5	L		
5153	10410	62437		41.5	+02	32	6.3	.054	F0	+ 14.7	b	4	D		
5154	10412	62301		41.5	+39	41	6.8	.688	dF4	- 3.3	b	4	W		
5155	10417	62623		41.8	-28	50	4.1	.010	cA2ep	+ 25.4	a	71+	L	IS +29.5 b *	
5156	16° 2101	62589		41.8	-16	49	8.1	.017	B5n	+ 16.2	b	5	L		
5157	10418	62549		41.9	-04	56	7.9	.189	dG1	+ 85	c	2	L		
5158	10420	62066		41.9	+65	35	6.0	.040	gK2	- 28.5	b	3	W		
5159	10421	62712		41.9	-38	05	6.4	.033	B7n	- 6	c	3	L		
5160	10422	62140		41.9	+62	57	6.4	.069	gFO	+ 1.9	b	4	D		
5161	YZ CMi	.....		42.0	+03	41	11.8v	.64	dM4e	+ 18	b	5	W	UV
5162	10425	62713		42.0	-40	49	5.1	.228	K3	+ 53.2	a	6	LC	*	
5163	9° 2200	62588		42.1	-10	09	9.1	.042	A5	+ 20	e	2	L		
5164	10433	61994		42.2	+70	20	7.1	.173	dG5	- 23.9	b	4	W		
5165	10437	62510		42.2	+20	26	6.3	.011	AOn	- 12	c	3	V		
5166	3 Gem	62509		42.3	+28	09	1.2	.625	gG8	+ 3.3	a	203	13	*	
5167	21° 2104	62678		42.3	-21	22	10.5	....	B4ne	+ 30.1	b	8	L	
5168	J Vol	63295		42.4	-72	29	3.9	.029	K0	+ 48.1	a	11	LC	*	
5169	26° 4881	62780		42.5	-26	49	9.0	.015	Bne	+ 73	e	1	Md	IS +44 e	
5170	15° 2014	62729		42.6	-16	00	8.0	.020	B5e	+ 15	c	7	L		
5171	10450	62893		42.8	-37	49	5.9	.026	B8n	+ 37.0	b	6	L		
5172	UX CMi	.....		42.9	+05	19	8.5v	....	gM5	+ 25	c	2	W	P151
5173	10456	62721		43.2	+18	38	5.0	.097	gK5	+ 81.1	b	12	3	L	SB *
5174	10458	62991		43.3	-37	46	6.4	.031	B5n	+ 24.0	b	3	L		
5175	10460	62647		43.3	+37	38	5.4	.026	gM3	- 34.7	b	6	LW	*	
5176	MSB 55	.....		43.4	-11	50	9.5	....	N	+ 32	d	1	W	
5177	10462	63032		43.5	-37	51	3.7	.015	K5	+ 17.1	a	12	LC	*	
5178	10463	62832		43.5	+10	53	5.3	.040	B9n	+ 31	c	9	3	*	
5179	10465	62902		43.6	-06	39	5.7	.110	gK5	- 32.5	b	5	W		
5180	10469	62952		43.6	-14	26	5.1	.014	A6n	- 2	c	8	LY	*	
5181	10473	63077		43.7	-34	04	5.4	1.688	dGO	+101.5	a	15	3	*	
5182	ir Gem	62898		44.3	+33	32	5.3	0.035	gMO	- 12.0	a	8	3	*	
5183	W Pup	63218		44.3	-42	04	7.9v	.010	EM3e	+ 17	c	2	W	Em +13 *	
5184	10485	63215		44.4	-37	49	5.9	.043	~B9n	+ 27.9	b	7	L		
5185	78 ^w 270	62094		44.6	+78	21	8.0	....	dF6	- 4	c	2	L	
5180	CC 439	.....		44.8	+53	47	8.8	.56	dK6	+ 2.8	b	3	W	
5187	2t 4533	63290		45.0	-27	47	8.3	.044	cB1	+ 43	c	2	Md	IS +25 d	
5188	10501	63271		45.1	-22	24	5.8	.013	B2	+ 7	c	5	L	IS +15 c	
5189	10515	63210		45.5	+18	28	7.7	.033	gG8	+ 13	c	2	L		
5190	NGC 2452	.....		45.5	-27	13	.....	.....	.....	+ 68	c	4	L	Em. Pl. III.
5191	10517	63208		45.6	+23	16	6.2	.009	dFOn	- 5	c	3	W		
5192	A 6331B	.....		45*8	-12	04	8.2	.142	dG3	+ 25.0	b	7	W	*
§193	A 6381A	63336		45.0	-12	04	5.5	.126	dF5	+ 27.4	b	8	WY		
9194	10523	63405		45.6	-38	23	5.1	.014	B3	+ 12.2	b	4	L		
5195	88' 39	57535		45.9	+87	50	8.9	....	A5	+ 4	c	4	W	SB
5196	AD Pup	.....		46.0	-25	27	9.5v	....	cF8	+ 67.5	b	8	W	Cep 13.6
5197	o Pan	63462		46.0	-25	49	4.6	.011	B3e	+ ie	e	4	L	Em IS +24 c*	
5198	10533	63578		46.0	-46	29	5.3	.018	B2	+ 36	d	5	L		
5193	W CMi	63353		46.1	+05	31	11.5v	.008	R6	+ 21	d	2	W	Irr	
5200	ZZ Pup	63482		46*2 J	-19	10	9.1v	.028	A2	+ 3	c	24	Md	EA 6.33	

Cat. No.	Star	H.D. No.	1950		Maps.	P.&t	Spec.	Vel.	Q	No. PL	Gbn.	Notes	
			R.A.	Dec.L									
5201	10539	03352	h 7	m 40.2	l 13	b 30	0.2j	0.072	E1	- 57J	b 4	D	
5202	T Gem	83334		46.3	*23	52	7.f.v	.006	Si*	. 22	b i	W	Era +11.3 l) *
5203	10541	83435		46.3	+04	28	€5	-049	GO	. 5.5	b 4	D	
5204	C 928	63103		46.7	*64	13	8.0	.112	dG7	* ii,7	b 3	W	
5205	46 1320	63312		46>fi	*45	55	7.1	.014j	A2	* 4	c 6	D	
5206	10553	63744		46.8	-46	57	4.6	.527	CSH	- i.1	d 20	IX	*
5207	10556	63660		46.9	-24	47	5.3	.034	gG3	* 1.6	y 8	CL	SB *
520S	10561	63332		47.2	*54	IS	6.0	.060	CSF6	- 2.4	h 4	W	
> § §	Pup	63700		47.2	-24	44	3.5	.005	cG6	* 2.7	d 32	3	MB *
5210	30° 5135	.....		47.2	"31	01	9.2	.....	cFpe	r ¹⁴¹ A	A i	W	
bill	7° 2205	63053		47.3	-08	11	8.0	.D25	sgF5	* S^	c ▲	L	
5212	19566	63696		47A	-IS	SS	6.7j	.049	(IM1	4 J3	c 4	W	is (18)
5213	10567	63348		47.4	*54	52	7.4	.009	gMD	- S	c c	L	I
5214	103€	0.3697		47A	-27	08	5.5	.130	gK3	* 44.(I	b 2	W	
5215	MSB 31	.....		47.6	-00	46	9.0	.....	Hi	* 4	d 2	W	
5216	10575	63949		47.7	*46	U	iSj	.fi2	B2	* 27.2	h 4	L	
5217	10576	68922		47.:	-41	15	4.2	.033	III)	* 24.0	h 5	L	
521©	1057a	43752		47.ā	*C3	23	1./*	.004	gK3	- 7.D	b 3	W	
5219	imw	§3869		47.H	+33	22	§.S	.014	A3	- la	c 2	%	
5220	10530	§361©		47&	* 3r	41	€I	.D4B	Afc	* 8	c 3	35	
5221	10589	64067		47.0	*&6	17	6.5	XW	Kf	* 2.2	c S	L	SB
5222	205i§	§2613		47.1	*C1	24	6.5	.400	dG8	- 5.8	b 4	W	
5223	10592	63799		47.2	+03	24	6.3	.061	Et	* 42.9	h 4	b	
5224	10603*	63630		47.5	*4€	re4	6.5	.055	A3	* 3	f h	%B	
£223	13€Qd	635b€		48.5	* 3€	30	4.:	.044	Afr	* V>	r 3	V	
522*	13619	63889		47.7	*19	27	6.1	.064	gE1	* %9	fi 6	&w	*
5227	33° 4218	mint		48.0	*33	57	6.3	.1€3	A4n	* 21	r 2	W	
522^	CM*	63975		49.1	*91	M	5.1	.JD15	B0	* 29.2	b 13	I	*
5229	10527	64077		47.3	-12	41	6.5	.013	1Pf	* 51	e 4	%	
5230	10C21	(#)ffe		47.4	-13	4*	5.3	.345	mi	- 17.8	i ai	y	i% orf. *
5231	1M3D	M&*2		43. |	*0?	21	€€	.€IT	m	* 3.5	b i	L	
5232	10632	141 a		49.5	*91	03	P. i	.096	gG8	* 31.5i*	b 2	W	
1)233	10637	64287		47.7	-42	20	%4	.014	B3	* n	c 5	L	
ISM	10640	fi42**&		50.0	*4	43	5.7	.014	rP*	* 17.2	b 4	W	
5235	1MM1	64365		50.0	-42	46	6.2	.034	B3	* ??.	b 3	L	
1257	10642	64092		50.0	+22	28	7.1	.012	gG6	- 8.7	b 3	1	
5238	10645	64258		50.1	-13	44	6.9	.087	gK1	- 29.1	b 3	3	
5239	10649	64235		50.3	-05	18	5.8	.011	gF5	- 1.8	b 3	W	
5239	21° 2155	64298		50.3	-21	32	8.7	.018	B2e	* 5	c 6	W	
5240	10650	64090		50.4	+30	46	8.2	1.974	dF8	-240	c 4	WMed *	
5241	10651	64379		50.4	-34	35	5.0	0.314	dF3		b 3	1	
5242	† Gem	M14L		50.4	+26	54	5.0	.048	A4n	* 5.0	b 12	4	
5243	10655	64440		50.7	*28	42	8.0	.107	G5		b 5	L	Christie
5244	C 112	64207		50.7	*28	42	8.0	.107	dF9	* 15.4	b 5	L	
5245	5Z Gem	vj^		vj^	* r4	74	10.8v			*320	d 2	W	RR 0 50
5246	TU H%	.....		50.8	-02	35	9.0v	.021	B3-A3	* 30	c 27	Med	EA 1.05 *
5247	10659	64108		50.8	-02	35	9.0v	.021	B3-A3	* 30	c 27	Med	*
5248	11 1708	64291		57<^	*10<	1*	7.7	.079	gG6	* 67	d 3	L	
5248	r 1-51	fi-4€S		50.8	-02	35	9.0v	.021	B3	* 31	d 3	L	SB (34)
5250	21° 2161	64418		50.8	-02	35	9.0v	.021	B4	* 16.0	b 7	L	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	V.,	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	na	°	'		/r	km/sec					
5251	10666	64144	7 51.1	+47	42	5.7	0.044	gK4	+ 17.1	b	3	W	*	
5252	10670	64572	51.2	-36	14	5.5	.014	K5	+ 12.4	b	8	3		
5253	10671	64351	51.3	+21	14	7.0	.015	gM1	+ 9.1	b	3	W		
5254	10682	64324	51.6	+34	45	7.7	.218	dG3	+ 14.5	b	3	W		
5255	10685	64372	51.6	+30	28	7.8	.026	gG7	+ 82	c	2	L		
5256	10686	64740	51.7	-49	29	4.8	.014	B3n	+ 8	c	3	L	SB 2-sp (232)	
5257	72° 386	63887	51.7	+71	49	7.5	....	A0	- 10	d	4	D	
5258	ID689	64760	51.8	-47	58	4.3	.006	B2n	+ 41	c	4	L		
5259	10691	64493	51.9	+18	14	7.4	.040	gK4	- 11.8	b	3	L		
5260	10692	64468	52.0	+19	22	7.9	.480	dK6	- 18.7	b	6	W		
5261	18° 1779	64512	52.0	+18	05	7.5	.012	gG6	+ 5	c	3	L		SB (34)
5262	10694	64606	52.0	-01	17	7.5	.271	dG5	+ 93.3	b	4	W		
5263	10695	64802	52.3	-35	45	5.4	.015	B5	+ 27.7	b	4	L		
5264	10699	64385	52.4	+50	41	8.5	.246	dF5	+ 7.4	b	3	W		
5265	10700	64347	52.4	+56	38	6.5	.028	A0	+ 28	d	5	V		
5266	10701	64491	52.4	+35	33	6.1	.064	A0	+ 28	c	3	V	RR 0.40	
5267	TW Her	.....	52.6	+30	25	<u>10.6v</u>	.....	.....	- 15	d	1	W
5268	10707	64648	52.7	+20	01	5.4	.048	A0	+ 13	c	11	3		
5269	10710	64685	52.8	+09	00	5.8	.091	dF4	+ 21.9	b	8	VW		
5270	5° 2296	64888	53.5	-05	23	9.2	.026	A5	+ 32	e	1	L		
5271	10734	64938	53.8	+04	37	6.3	.006	gG9	+ 16.5	b	4	D	*	
5272	10735	65273	53.9	-57	10	5.5	.082	M0	+ 26.0	a	6	CL		
5273	10741	65211	54.1	-43	43	6.0	.021	B5n	+ 13.7	b	3	L	SB *	
5274	10742	64960	54.2	+15	56	6.0	.057	gK3	+ 10.2	b	3	W		
5275	10745	64307	54.3	+74	03	5.6	.039	gK5	+ 35.1	b	3	W		
5276	3° 1848	65079	54.5	+03	05	7.7	.021	B3ne	- 11	c	17	LD		
5277	10751	65066	54.6	+08	47	6.1	.021	gG6	- 35.9	b	7	DW		
5278	10753	65315	54.7	-40	36	6.3	.012	B3n	+ 13.8	b	4	L	SB *	
5279	10755	65123	54.7	+01	16	6.4	.174	dF6	- 0.2	b	3	W		
5280	10756	65228	54.7	-22	45	4.4	.028	cG2	+ 13.8	a	13	3		
5281	10757	64958	54.8	+44	07	6.5	.041	K0	- 49.3	b	5	D		
5282	-0° 1864	65158	54.9	-00	30	7.0	.036	A2	+ 31.9	b	3	W	IS +56 d 3	
5283	1° 1900	65176	54.9	-01	29	8.1	.018	B5ne	+ 96	d	6	D		
5284	3° 1851	65174	55.0	+02	46	8.1	.008	dF5	+ 28	c	2	L		
5285	43° 1754	65041	55.2	+43	39	7.0	....	B3	- 9	c	11	V	
5286	FW Mon	65259	55.2	-07	03	<u>9.4v</u>	....	B5+F2	+ 7	b	15	Y	
5287	MSB 32	55.3	-00	32	9.6	NP	+ 25	c	2	W	EA 3.87 *	
5288	10765	65460	55.3	-43	22	5.4	<u>.bi</u>	B3	+ 28	d	4	L	EM -6	
5289	8° 2151	65307	55.4	-08	42	9.1	.017	B4	+ 24	d	11	L	SB (69)	
5280	C 940	S5277	55.4	-00	41	8.3	.165	dK5	- 4	c	4	W	SB	
9291	X Car	65575	55.5	-52	51	3.6	.039	B3	+ 19.1	b	7	L	*	
5292	10773	65257	55.7	+16	39	6.2	.008	KG	- 1	d	1	V		
5293	10774	65456	55.7	-30	12	4.0	.010	A2	+ 28.4	b	4	L		
5294	10775	85551	55.7	-43	58	5.1	.006	B3	+ 15.8	b	4	L		
52*5	1Q778	65345	55.8	+02	22	5*4	.187	gG6	+ 46.3	a	6	LW		
5296	10778	65598	55.8	-47	45	6.1	.031	B5n	+ 11.7	b	3	L		
5297	WY Pup	56.0	-23	54	<u>10.8v</u>	+ 44	c	H	W	Cep 5.25	
5298	AP Pup	S9592i	58.0	-39	59	<u>7.6v</u>	.023	cGO	+ 42	c	5	W	Cep 5.08	
52iS	10788	85275	56.2	+34	49	7.7	.015	gM2	- 24.8	b	3	W	SB •	
5300	10700	65685	56.3	-45	27	5.2	.023	MO	+ 50.8	b	8	LC		

General Catalogue of Radial Velocities

Cat. No.	Star	H.D. No.*	1950				M&gn.	T ₁ HBT P.M.	Spec.	Rad. Vel.	Q	No. PL	ODS.	Notes
			R.A.	Decl.										
5301	AQ Pup	65589	h 7	m 56.3	o -29	r 00	8.8v	// 0.023	cK5	+ 41	c	5	W	Cep 29.9
5302	6° 1841	65477		56.5	+06	28	8.3	•••	sgFO	+ 1	c	2	L	
5303	10793	65908		56.6	-63	10	6.1	.021	B9n	+ 23	c	3	L	
5304	10795	65430		56.6	+20	59	8.6	.583	dG9	- 28.2	b	4	W	
5305	4° 2159	65545		56.7	-05	07	9.0	.058	F8	+ 53	d	1	L	
5306	10801	65522		56.8	+13	23	6.2	.024	K2	+ 26.8	b	4	D	
5307	V Pup	65818		56.8	-49	07	4.5v	.020	B1+B3	+ 20	c	30	Md	IS +18 c *
5308	UX Mon	65607		56.8	-07	22	8.7v	.026	A7+G2	- 20	c	151	Md	EA 5.90 *
5309	10804	65907		56.9	-60	10	5.7	.528	F8	+ 12.7	b	3	L	
5310	10805	65699		57.0	-23	10	5.2	.011	cK2	+ 10.7	b	7	LC	*
5311	10808	64486		57.0	+79	37	5.3	.059	A0	+ 2.7	a	11	3	*
5312	10809	65301		57.2	+59	11	5.8	.033	dF2	- 39.5	b	9	W	*
5313	10811	65695		57.2	-03	33	5.1	.054	K2	- 28.7	a	7	LC	*
5314	10820	65904		57.4	-45	05	6.0	.022	B6n	- 2.7	b	3	L	
5315	10821	65583		57.4	+29	22	6.9	1.177	dG7	+ 12.5	b	7	W	
5316	10822	65339		57.5	+60	28	6.0	0.036	A8p	- 4.8	b	4	VW	IS -6 c *
5317	10825	65810		57.6	-18	16	4.6	.048	A2	- 12	c	9	LY	*
5318	10830	65925		57.7	-39	10	5.2	.101	F0	- 8.2	b	4	L	
5319	10832	66005		57.8	-49	50	6.4	.015	B5	+ 13	d	4	L	
5320	10834	66006		57.8	-49	50	6.6	.019	B5	+ 23	d	3	L	
5321	10841	65735		57.9	+19	57	6.3	.019	K0	+ 27.7	b	4	D	
5322	25° 5396	65886		57.9	-25	56	10.0	....	B4	+ 42	e	2	Md	IS +47 e
5323	10844	65714		57.9	+25	32	5.9	.016	gG8	+ 1.9	b	3	W	
5324	10845	65759		57.9	+17	27	5.8	.013	gK3	+ 41.4	b	3	W	
5325	10846	65429		58.0	+61	08	6.7	.026	dF3	- 20.0	b	3	W	
5326	10848	66194		58.0	-60	41	5.9	.015	B5n	- 2.7	b	3	L	
5327	10849	65757		58.0	+23	43	6.4	.037	K0	+ 25.0	b	4	D	
5328	10851	65448		58.0	+63	14	6.0	.025	gG1	+ 20.1	b	7	DW	*
5329	10856	65875		58.2	-02	45	6.4	.019	B2e	+ 33	d	7	V	
5330	WZ Pup	.....		58.3	-23	34	10.3v	.....	.....	+ 64.0	b	8	W	Cep 5.03
5331	K 148-732	.....		58*4	-30	35	11.3	....	B7	+ 6	e	2	Md	
5332	U Pup	65940		58.5	-12	42	8.4v	.039	gM6e	- 1	c	2	W	Em -13 *
5333	10864	65626		58.5	+57	25	6.5	.072	dF8	+ 25.8	b	33	V	Orb. Harper
5334	10865	65900		58.6	+05	01	5.7	.040	A0	+ 46.1	b	4	D	
5335	10868	65873		58.7	+16	36	5.9	.012	AOn	- 16	c	9	3	SB *
5336	10869	65801		58.7	+35	33	6.3	.042	K5	- 16.0	b	4	D	
5337	10870	65953		58.7	-01	15	4.9	.095	gK5	+ 26.7	a	4	L	
5338	10871	65856		58.7	+25	14	6.2	.024	A1n	- 9.2	b	11	3	*
5339	10873	66342		58.8	-60	27	5.1	.007	MS	+ 23.6	a	5	L	
5340	10874	66341		58.8	-60	04	6.4	.003	B8	+ 22.7	b	3	L	
5341	10877	65734		58.9	+54	16	7.5	.008	dA6n	- 26.7	b	5	W	
5342	10880	66011		59.1	+09	03	6.1	.026	F5	+ 4	c	2	V	
5343	10889	66441		59.6	-54	01	5.9	.026	B6E	0	c	3	L	
5344	10891	66141		59.7	+02	28	4.5	.107	PCK3	+ 70.9	a	14	4	*
5345	10893	66591		59.7	-63	26	5.0	.016	B3	+ 21.4	b	4	L	
5346	MSB 33	.....	8	00.0	-01	59	9.5	....	N	+ 26	d	2	W	
5347	10903	66546		00.2	-54	23	6.0	*.0*30	B5	+ 19	d	3	L	SB (91)
5348	21° 2233	66396		00.3	»22	04	9.0	.004	B5	+ 21.2	b	7	L	
5349	10911	66175		00.4	+36	29	6.8	.037	gM5	- 1.0	b	3	W	
5350	X Gem	66216		00.5	+27	56	5.0	.050	gK2	- 10.9	b	9	LW	SB *

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
5351	10924	65871	8	00.8	+68	32	7.6	0.306	dF7	- 5	c	3	W	
5352	44° 1710	.....		00.9	+44	06	9.9	.147	dMO	- 27	c	2	W	
5353	10928	66347		00.9	+22	13	6.8	.041	£K3	- 3.5	b	3	W	
5354	10930	66299		01.0	+33	10	6.6	.009	AOn	- 9	c	3	V	
5355	10936	66138		01.1	+57	55	6.8	.122	dF3	+ 10.9	b	3	W	
5356	K. 148-1118	.....		01.4	-31	34	<u>11.4</u>	.....	B4	+ 8	d	2	Md	
5357	10945	66509		01.6	+12	26	7.9	.175	dK2	- 11.8	b	3	W	
5358	4° 2197	66594		01.7	-04	41	7.4	.016	B5	+ 10.2	b	6	L	
5359	† Pup	66811		01.8	-39	52	2.3	.033	O8n	- 24	c	10	LY	*
5360	10948	66552		01.9	+18	59	6.1	.040	A0	+ 31	c	3	V	
5361	30° 5541	66759		01.9	-30	22	9.2	.018	B9	- 9	d	2	L	
5362	12° 2315	66738		02.1	-13	00	7.5	.032	B3	+ 13	c	9	L	IS +3 c 7
5363	12° 1762	66637		02.1	+12	19	8.5	.016	gK2	+ 34.4	b	5	W	
5364	6° 1867	66665		02.1	+06	20	8.1	.028	cB2	+ 13.3	b	10	LW	IS +18 c *
5365	10958	66783		02.3	-17	31	6.6	.004	gK5	- 7	c	6	W	SB (27)
5366	10959	66664		02.3	+13	16	5.1	.079	A0	+ 22	c	14	4	SB *
5367	10° 1721	66686		02.3	+10	39	7.7	.011	gG5	+ 17	c	2	L	
5368	10960	66888		02.3	-32	32	5.4	.009	M4	+ 35.9	a	8	LC	*
5369	10964	66834		02.5	-19	35	6.1	.004	B4	+ 13.8	b	10	L	
5370	14° 2359	66856		02.6	-15	15	9.3	.034	F5	+ 31	d	1	L	
5371	10972	66171		02.7	+72	05	8.0	.503	dGO	+ 37.1	b	3	W	
5372	10985	66925		03.2	+02	19	6.8	.012	AO	- 6	c	5	S	
5373	10988	66875		03.3	+22	47	6.2	.012	gM3	+ 26.2	b	4	W	
5374	SS Cnc	.....		03.5	+23	24	11.2v	.012	.....	+ 5	d	1	W	RR 0.37
5375	15° 2250	67072		03.5	-16	13	~T2	.025	B5	+ 30	c	6	L	
5376	RT Pup	67190		03.6	-38	38	<u>9.3v</u>	.....	N	+ 28	d	2	W	
5377	10995	66824		03.7	+43	24	6.2	.034	AO	+ 9.3	a	47	V	Orb. Harper
5378	20° 2380	67141		03.7	-20	49	8.2	.009	sgG1	+ 58	c	2	L	
5379	10997	67364		03.8	-52	58	5.4	.028	MO	+ 18.3	a	7	CL	*
5380	11005	67536		04.0	-62	42	6.4	.016	B5n	0	c	3	L	
5381	17° 2333	67303		04.5	-17	42	9.2	.022	B5	+ 11	c	8	L	
5382	11018	67006		04.7	+51	39	4.9	.057	A2	+ 5	c	9	3	*
5383	∩ Cue	67228		04.8	+21	44	5.4	.079	dG3	- 35.6	b	3	L	
5334	11022	66823		04.9	+65	49	7.3	.056	gK5	- 10	c	2	L	
5385	11023	67458		05.0	-29	15	6.9	.510	dG2	- 18.7	b	3	W	
5386	11026	67582		05.1	-45	07	5.0	.011	K5	+ 25.3	a	6	L	
5387	11027	67456		05.1	-20	25	5.2	.018	A3	+ 12.0	b	3	L	
5388	11028	67404		05.2	-03	16	6.8	.009	gM4	+ 23.5	b	3	W	
5389	11029	66751		05.2	+69	52	6.6	.189	dFB	- 6	c	4	W	SB (16)
5300	11031	65299		05.2	+84	13	6.4	.019	AO	- 3	c	4	D	SB (36)
5391	C148-1602	.....		05.3	-30	10	<u>11.1</u>	.....	B8	+ 20	d	2	Md	
5392	9° 2S83	67467		05.3	-10	15	9.4	.018	A2	+ 9	e	1	L	
5303	RU Pup	675G7		05.3	-22	46	7.9v	.024	N	+ 23	d	1	W	Irr
5394	p Pup	67523		05.4	-24	10	2.9	.098	cF5	+ 46.6	a	39	CL	*
5395	74° 348	06633		05.5	+74	30	8.2	.059	gA8n	+ 4.2	b	5	WL	*
5396	11043	67402		05.8	+27	38	6.8	.029	gG9	+ 13.9	b	3	W	
5397	11047	67483		05.0	+13	47	6.3	.022	dF3	- 10	c	7	SW	*
5398	11049	67370		06.0	+42	35	6.4	.077	gK3	+ 37.9	b	4	W	
5309	11050	67224		06.0	+58	24	6.0	.082	gK4	+ 34.3	b	7	DW	*
5400	11051	87594		06*1	-02	50	4.4	.020	cG6	+ 29.6	a	10	LV	*

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
5401	XX Pup	h	m	°	'		"	km/sec					
5402	A 6623A	67501	8 06.2	-16 23			10.7v	.....	+386	d	2	Md	RR 0.52
5403	A 6623B	.....	06.3	+32 22			7.1	0.049	+ 11.4	b	3	W	
5404	RT Mon	67650	06.3	+32 22			8.0	dF8	+ 9	d	2	I W		
5405	RZ UMa	.....	06.4	-10 39			8.5v	||||	+ 43	c	2	W	P115 SR?
			06.4	+65 22			8.9v	.024	- 34	c	2	W		
5406	11064	67542	06.5	+29 14			6.6	.042	+ 16	c	5	D	SB (27)	
5407	11071	67797	06.8	-19 06			4.3	.018	+ 19.0	b	19	3	*	
5408	11073	67587	06.9	+35 36			6.6	.314	- 54.8	b	3	W		
5409	54° 1207	67517	07.2	+54 23			8.0	.091	- 23	c	3	L		
5410	11079	67743	07.2	+17 10			7.4	.019	+ 22.1	b	4	W		
5411	11081	67880	07.2	-16 06			5.5	.018	+ 32.9	b	5	W	IS +17 c	
5412	11082	67690	07.2	+26 00			6.7	.036	+ 5.5	b	9	VW	*	
5413	11091	67767	07.4	+25 40			5.8	.358	- 43.0	b	10	VW	*	
5414	11097	68423	07.8	-63 39			6.4	.017	+ 30.1	b	26	Cd	IS +24 c 10 *	
5415	€ Vol	68520	07.8	-68 28			4.5	.034	+ 9.6	a	34	L	Orb. Sanford	
5416	11100	67447	07.9	+68 37			5.5	.007	- 9.1	b	6	LW	*	
5417	11103	68243	07.8	-47 12			4.8	.016	+ 20	d	4	L	SB (75)	
5418	11104	68217	07.9	-43 58			5.2	.021	+ 8	c	4	L		
5419	11105	68273	08.0	-47 11			2.2	.011	+ 35	c	6	L		
5420	11107	67827	08.1	+38 53			6.5	.118	+ 25.7	b	4	D		
5421	RR Cnc	.....	08.1	+23 18			11.6v	.....	+ 17	d	1	W	Em P298
5422	11114	67959	08.2	+14 47			6.1	.0*33	+ 23.8	b	8	DV	*	
5423	11115	68456	08.2	-61 09			4.8	.327	+ 25.0	a	8	L		
5424	11117	68324	08.2	-47 47			5.4	.007	+ 5	d	5	L		
5425	11118	68146	08.3	-13 39			5.6	.249	+ 37.7	b	3	W		
5426	11121	68017	08.5	+32 37			7.0	.806	+ 27.3	b	3	W		
5427	11134	68290	08.9	-12 47			4.7	.028	+ 36.2	a	8	LW	*	
5428	11137	68168	09.0	+16 41			7.2	.293	+ 8.5	b	3	W		
5429	£ 148-2127	.....	09.1	-31 58			11.1	.....	+ 2	d	2	Md	*
5430	11138	68312	09.1	-07 37			5.4	.048	- 11.3	a	9	LC		
5431	CC 462	.....	09.2	+09 01			12.5	5.40	- 35	c	2	W	
5432	ƒ Cnc	68257	09.3	+17 48			5.6	0.157	- 5.7	a	5	LV	A 6650A *	
5433	A 6650C	68256	09.4	+17 48			6.0	.151	- 11.3	b	8	3	*	
5434	11149	68553	09.6	-39 28			4.4	.022	+ 15.9	a	17	CL	*	
5435	11150	68332	09.6	+14 09			6.4	.030	- 9.4	b	7	DV	*	
5436	14° 2406	68444	09.6	-14 31			9.2	.009	+ 15	c	7	L		
5437	13° 2429	68468	09.7	-14 01			8.5	.027	+ 14	c	8	LW	IS +14 c *	
5438	11154	68657	09.7	-48 19			5.9	.010	+ 14.6	b	4	L		
5439	11155	68601	09.7	-42 50			4.9	.003	+ 19.2	a	5	L		
5440	11158	68077	09.9	+56 36			5.9	.040	+ 7.1	b	7	DW	*	
5441	CP Pup	.....	09.9	-35 12			0.5v	.....	+ 37	c	65	W	Em IS +23.6*
5442	11163	68351	10.1	+29 48			5.6	*.024	+ 20	c	8	VW	*	
5443	11165	68461	10.2	+16 40			6.1	.026	- 19.5	b	15	3	SB *	
5444	A 6659A	68483	10.2	+09 44			7-6	.054	+ 32	c	4	W	SB (40)	
5445	A 6659B	.....	10.2	+09 44			9.3	.....	+ 38.6	b	3	W	
5446	AT PUD	.....	10.5	-36 48			8.0v	.....	+ 24	c	4	W	Cep 6.66
5447	11176	68543	10.7	+23 17			6.4	.036	- 2	d	3	V		
5448	13° 2439	.....	10.9	-13 45			9.3	.50	+ 20	c	2	W	
5449	11181	88895	10.9	-46 07			6.1	.008	+ 12.7	b	3	L		
5450	11184	68752	11.0	-15 38			5.0	.013	+ 16.6	b	8	LC	*	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'		"	km/sec						
5451	6° 2517	68730	8	11.1	-06	27	7.2	0.039	G7	+ 20	d	1	V		
5452	RS Pup	68860		11.2	-34	26	<u>7.4v</u>	.019	cK1v	+ 19.0	b	11	W	Cep 41.4 *	
5453	2° 1904	68706		11.2	+02	08	8.0	.072	dF7	- 29	c	2	L		
5454	11189	68703		11.3	+17	50	6.4	.006	F0	- 3.3	b	4	D		
5455	XZ Pup	.....		11.4	-23	48	<u>7.4v</u>	.049	A0	+ 22	b	48	Md	EA 2.19 *
5456	4° 2259	68793		11.5	-04	30	8.2	.013	dF4	- 6	c	2	L		
5457	11196	68776		11.6	+13	12	6.5	.030	K0	+ 25	c	7	D	SB	
5458	11197	68980		11.6	-35	45	4.8	.006	B3ne	+ 35	c	4	L		
5459	11199	68457		11.6	+60	32	6.4	.013	dA7	- 15.7	b	3	W		
5460	11200	.....		11.7	+27	19	8.1	.004	gMO	+ 27.0	b	3	W	
5461	11207	69144		12.0	-46	50	5.3	.010	B5	+ 25	d	5	L		
5462	11208	69081		12.1	-36	10	5.1	.005	B3n	+ 18	c	2	L		
5463	11210	69194		12.1	-50	03	5.4	.008	M0	- 7.0	a	7	LC	*	
5464	11211	68638		12.1	+57	15	7.8	.396	dG6	+ 16.9	b	4	W		
5465	16° 1669	68903		12.2	+16	14	7.2	.014	B9	+ 1	c	11	DS	*	
5466	11214	69080		12.2	-31	59	6.1	.016	B5n	- 54	d	3	L	SB (40) 2-sp	
5467	74° 350	67739		12.2	+74	38	8.5	.015	gK3	- 12.6	b	3	W		
5468	11215	69142		12.3	-40	12	4.4	.080	K2	+ 13.5	a	25	CL	Orb. Christie	
5469	11220	68579		12.4	+64	45	8.6	.099	gG5	+ 11	c	4	W		
5470	AI Vel	69213		12.4	-44	25	6.5v	.065	A4-F2	+ 20	c	37	Md	RR? 0.11 *	
5471	11235	69302		12.8	-45	41	6.0	.016	B3	+ 20	d	3	L		
5472	11237	68771		12.8	+59	21	6.7	.032	gK2	- 28.5	b	9	VW	*	
5473	11242	69229		13.2	-13	28	7.2	.010	gM2	- 4	c	2	L		
5474	11246	68375		13.3	+75	55	5.7	.034	gG6	+ 6.7	b	3	W		
5475	11252	68930		13.7	+59	44	5.5	.001	A4n	- 17	c	13	WY	*	
5476	j3 Cnc	69267		13.8	+09	20	3.8	.069	gK4	+ 22.3	a	17	5		*
5477	R Cnc	69243		13.8	+11	53	6.1v	.019	gM7e	+ 32.1	b	5	W	Em +18.5 b *	
5478	15° 2351	69371		13.9	-15	32	7.3	.032	gKO	+ 27.8	b	3	W		
5479	15° 2356	69438		14.2	-16	10	7.6	.082	gG9	+ 26	c	2	L		
5480	38° 1891	69287		14.3	+38	02	8.2	.012	gF2	+ 24	d	3	L	SB (33)	
5481	11271	68744		14.4	+73	30	8.6	.263	dG1	+ 53.0	b	3	W		
5482	11272	69149		14.4	+54	18	6.4	.048	K5	+ 25.0	b	4	D		
5483	CC 467	08788		14.5	+73	35	8.6	.56	dK1	- 3.4	b	3	W		
5484	11275	69863		14.5	-62	46	5.3	.036	A2	+ 4	c	3	L		
5485	11279	69562		14.6	-21	44	6.7	.030	B4	+ 11.8	b	10	L		
5486	11280	69530		14.6	-15	00	7.3	.010	gK5	- 5.2	b	3	W		
5487	11285	69479		14.7	+04	22	6.7	.007	dF8	0	c	4	W	SB (32) *	
5488	11289	69478		14.8	+09	01	6.3	.021	G6	+ 28.9	b	4	D		
5489	11291	69148		15.0	+62	40	5.8	.013	gG5	- 2	c	6	W	SB (42)	
5490	11296	67934		15.1	+82	35	6.2	.032	AOn	- 16	d	4	D		
5491	11297	.....		15.1	+30	46	8.5	.874	dK6	+ 11.6	b	5	W	
5492	11302	68951		15.2	+72	34	6.2	.028	gMO	+ 11.5	b	3	W		
5493	11304	69032		15.3	+06	23	7.0	.012	K3	- 2	d	1	V		
5494	CC 469	.....		15.5	+54	15	9.5	.64	sdF4	+ 59	c	2	Md	
5495	14° 2460	09772		15.7	-14	49	8.0	.052	B9n	+ 27	c	4	W		
5496	11322	©879		15.9	»29	51	6.4	.040	gG6	- 12	d	1	W		
5497	11324	09285		16.0	+67	41	7.2	.030	gM3	+ 10	c	2	L		
5498	11325	69830		16.0	-12	28	6.0	1.017	dK1	+ 29.7	b	3	W		
5499	11328	69054		18.2	+74	59	6.5	0.065	gK1	- 31.7	b	3	W		
5500	11333	69788		16.3	+16	17	6.8	.023	AOn	+ 26	c	5	D		

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	DecL											
			h	m	°	'			km/sec						
5501		11338	69548	8	16.4	+57	54	5.9	0.062	dF2	- 14.8	b	8	VW	*
5502	14°	1872	69809		16.4	+14	21	8.2	.039	dGO	+ 17.1	b	3	W	
5503		11343	70060		16.7	-36	30	4.4	.144	A5	+ 5.1	b	4	L	
5504		11344	69682		16.7	+53	44	6.4	.115	F0	+ 10.5	b	4	D	
5505	7°	2433	69966		16.8	-07	24	7.2	.011	M0	+ 40	d	1	V	
5506	X	Cnc	69897		17.0	+27	23	5.2	.384	dF6	+ 32.5	a	9	3	*
5507		11353	70013		17.2	+04	06	6.3	.045	G5	- 46.6	b	4	D	
5508		11358	69994		17.4	+20	54	5.9	.087	gK1	- 16.8	b	9	VW	*
5509	17°	2442	70138		17.5	-18	06	9.3	.004	R7	+ 24	c	2	W	
5510	RY	Hya	70072		17.5	+02	56	8.4 _v	•003	Ne	+ 17	c	2	W	Em -8 *
5511	X	Cnc	70011		17.6	+24	11	5.9	.033	A0	+ 24	c	8	V	
5512		11366	70514		17.8	-65	27	5.0	.030	K0	0.0	b	4	L	
5513	Lee	98	.....		18.0	+05	22	10.0	.....	R5	+ 29	c	2	W	
5514	14°	1876	.....		18.2	+14	14	10.5	.276	dMO	+ 15	e	2	W	
5515		11381	69976		18.5	+60	47	6.5	.011	gKO	- 5.9	h	4	W	
5516	SZ	Cnc	.....		18.6	+14	10	10.2 _v	.....	gM2	0	d	1	W	P316
5517		11387	70340		18.8	-01	27	6.4	.046	A0	+ 29	c	2	V	
5518		11388	70358		18.8	-07	54	7.3	.027	K2	+ 35	d	1	V	
5519	V	Cnc	70276		18.9	+17	27	6.8 _v	.011	Se	- 1	c	9	W	Em -12 *
5520	74°	360	69659		19.0	+74	36	8.6	.016	gK3	+ 1	c	4	W	
5521	14°	1878	70319		19.0	+14	29	7.9	.057	gKO	+ 72.6	b	3	W	
5522	14°	1879	70338		19.1	+13	47	7.1	.044	A6	+ 25.1	b	5	D	
5523		11393	70442		19.1	-19	55	5.6	.022	gGO	- 8	c	6	W	SB (29)
5524		11400	70555		19.4	-32	54	4*9	.021	MO	+ 33.2	b	4	L	
5525		11401	70272		19.4	+43	21	4.4	.104	gK5	+ 24.4	a	11	3	*
5526		11402	70556		19.5	-36	19	5.2	.013	B3	+ 16	c	4	L	
5527	T	Lyn	.....		19.5	+33	41	9.0 _v	.023	Ne	+ 6	c	3	W	Em -12 c *
5528	Z	Cnc	70421		19.6	+15	09	8.5 _v	.034	gM6	+ 3.9	b	7	W	SR
5529		11409	70523		19.6	-17	26	5.8	.095	gKO	+ 67.7	b	3	W	
5530	<x	Cha	71243		19.9	-76	46	4.1	.150	F5	- 13.7	a	5	L	
5531		11421	71046		20.0	-71	21	5.4	.029	B9	+ 36	d	5	L	SB (152)
5532		11424	70313		20.0	+53	23	5.6	.109	A2	+ 21.3	b	8	V	
5533		11428	70839		20.1	-57	49	6.1	.011	B5	+ 15	c	3	L	
5534		11435	70673		20.4	-12	54	6.3	.070	gG7	- 16.5	b	3	W	
5535	AC	Pup	.....		20.4	-15	45	8.9 _v	.....	N	+ 41	c	2	W	Irr
5536		11438	70569		20.5	+18	30	5*9	.060	dFO	+ 35.8	b	3	W	
5537	15°	1809	70594		20.5	+15	26	8.4	.033	A2	- 16.1	b	3	W	
5538	C	986	.....		20.5	+22	01	9.5	.384	dMO	- 17	c	2	W	
5539		11443	70761		20.7	-26	11	5.9	.009	CF5	+ 64.5	b	3	W	
5540		11444	70566		20.7	+32	27	7.5	.005	A3n	- 2.4	b	5	D	
5541		11450	70930		21.0	-48	20	4*9	.022	B2n	+ 20	c	4	L	
5542		11451	70352		21.0	+66	38	8.9	.533	dK5	+ 18.0	b	n	W	
5543		11454	70734		21.2	+10	48	6.3	.027	gM2	+ 3.3	b	4	W	
5544		11456	70647		21.3	+42	10	6.2	.018	gKS	+ 26.6	b	3	W	
5545	70°	510	70311		21.4	+70	17	7.5	.....	sgG3	- 62.6	b	3	W	
5546	€	Car	71129		21.5	-59	21	1.7	.080	K0	+ 11.5	a	22	LC	*
5547		11473	70771		21.9	+35	10	6.2	.019	K0	+ 33.1	b	4	D	
5548		11475	70843		21.9	+17	21	7*0	.127	F7	- 15.5	b	4	D	
5549		11476	70825		22.0	+24	06	7.3	.057	sgF2	- 1	d	1	V	
888Q	CC	473	.....		22.0	+32	47	9.9	.04	ctK6	- 77*5	b	4	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	o	l			km/sec					
5551	11478	70923	8	22.0	-00	59	6.8	0.227	dGO	+ 9.2	b	3	W	Orb. Sanford SB (25) RR 0.48
5552	11479	70958		22.1	-03	35	5.7	.212	dF2	+ 71.8	a	27	W	
5553	11480	70937		22.1	-04	33	6.0	.056	dF4	- 35	c	4	W	
5554	BB Pup	.....		22.2	-19	24	10.0v	.....	F0	+255	d	2	Md	
5555	9 Cha	71701		22.2	-77	19	4.3	.138	K5	+ 21.9	a	7	LC	
5556	17 Vol	71576		22.5	-73	14	5.4	.030	A6	+ 20	c	4	L	
5557	A 6800A	71176		22.9	-23	53	5.5	.045	K2	+ 25.6	b	7	LC	*
5558	A 6800B	.....		23.0	-23	53	9.0	.032	gK3	+ 19	d	1	W	*
5559	11493	71095		23.0	+02	16	5.9	.030	gK5	+ 11.6	b	7	DW	*
5560	11494	71030		23.0	+17	13	6.2	.246	dF4	+ 37.5	b	8	VW	*
5561	18° 1939	71053		23.1	+18	00	7.9	.093	dF9	+ 28	c	2	L	
5562	11499	71155		23.2	-03	45	4.0	.071	AOn	+ 10.0	b	29	5	*
5563	+0° 2294	71137		23.2	-00	15	7.3	.072	K2	- 2	d	1	V	
5564	11504	71302		23.2	-42	36	6.2	.024	B5n	+ 23	c	3	L	
5565	11505	71115		23.2	+07	44	5.2	.035	gG6	+ 14.5	a	15	3	*
5566	11509	71093		23.4	+28	04	5.8	.128	gK4	+ 24.3	a	13	3	*
5567	A 6811A	71152		23.7	+24	42	7.1	.093	dF1	+ 15.4	b	8	VW	*
5568	A 6811B	71153		23.7	+24	42	7.6	.099	dF6	+ 18.5	b	5	WV	*
5569	2° 1970	71228		23.7	+02	39	7.6	.078	gK1	+ 2	c	2	L	
5570	A 6815B	71150		23.8	+27*	06	6.3	.011	A2n	- 28	c	4	D	
5571	A 6815A	71151		23.8	+27	06	6.3	.014	A3n	- 31.4	b	5	D	
5572	11523	71297		24.0	-03	49	5.4	.082	dFO	+ 27.3	a	14	4	*
5573	11525	71250		24.0	+12	49	5.8	.108	gM3	+ 7.3	b	4	W	
5574	11528	71262		24.0	-07	49	6.8	.048	A1n	+ 15.5	b	6	S	
5575	11531	71510		24.1	-51	34	5.2	.052	B3n	+ 18	c	5	L	
5576	11532	71459		24.1	-41	59	5.3	.017	B3	+ 27.8	b	4	L	
5577	11534	71148		24.1	+45	49	6.3	.358	dG4	- 33.8	b	3	W	
5578	11539	71377		24.3	-12	22	5.7	.094	gK3	+ 65	c	3	W	
5579	11561	71088		25.1	+67	28	6.0	.059	gG7	- 2.8	b	3	W	
5580	11563	71518		25.1	-14	46	6.6	.037	B5	+ 12	d	7	L	
55B1	18 Vol	71878		25.2	-65	58	3.6	.161	K1	+ 27.4	a	21	LC	*
5582	11580	71496		25.7	+24	19	6.1	.069	dA6n	+ 12	c	4	V	SB (18)
5583	+0 ^a 2305	71597		25.7	+00	25	7.5	.037	K2	+110	d	1	V	
5584	34° 1838	71495		25.8	+33	54	8.1	.....	dF4	+ 9	c	4	L	
5585	11584	71555		25.8	+14	23	5.9	.022	A4	+ 2	c	12	VD	SB *
5586	11587	71663		26.0	-02	21	7.0	.018	dFO	- 14	c	16	W	SB (93)
5587	CC 474	.....		26.0	+46	05	9.9	.50	dK6	- 22.3	b	4	W	
5588	11589	71801		26.1	-34	57	5.8	.#028	B5	+ 22.8	b	4	L	
5589	11591	71537		26.1	+32	52	5%	.028	B9n	- 11	c	5	D	
5590	o UMa	71369		26.1	+00	53	3.5	.171	gG1	+ 19.8	a	17	4	*
5591	29 ^a 1759	71594		26.2	+29	39	8.3	.022	AOn	+ 23	c	4	W	
5592	11595	71935		26.2	-52	55	5.1	.076	F0	+ 24.7	b	3	L	
5593	5° 2544	71782		26.6	-05	43	7.4	.040	K0	- 30	e	1	V	
5594	50° 1546	71659		27.1	+50	27	8.0	.138	dF8	- 50	d	2	L	
5595	11820	72337		27.2	-69	56	5.6	.045	B9	+ 20	e	1	L	
5596	RT Hya	71887		27.2	-06	09	7.1v	.054	gM6e	+ 40	d	1	W	Em +35 c 2 *
55S7	11628	72067		27.4	-44	00	5.9	.005	B3n	+ 3	c	3	L	
5598	11630	72108		27.5	-47	46	5.5	.021	B5n	+ 14	c	7	L	SB
5599	11635	72127		27.8	-44	33	5.2	.009	B5n	+ 20	d	6	L	SB
8880	11640	71553		28.0	+69	29	⊙A	.042	K0	- 30.3	b	4	D	

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
5601	11642	72232	h	m	°	'	''	km/sec						
5601	11642	72232	8	28.1	-46	10	6.1	0.039	B7	+ 9	c	3	L	
5602	11645	71881		28.3	+50	47	7.4	.337	dG3	+ 17.2	b	4	W	
5603	11650	71704		28.4	+67	28	7.8	.063	gG7	+ 5.7	b	3	W	
5604	11655	72041		28.6	+24	15	5.7	.097	dA9n	+ 19	c	4	W	
5605	8 Cnc	72094		28.7	+18	16	5.6	.084	gM1	+ 44.5	b	3	W	
5606	30°	1719		28.8	+29	53	8.2	.025	dF2	- 24.2	b	6	LW	*
5607	11665	71952		28.8	+53	17	6.5	.083	sgKO	+ 43.6	b	3	W	
5608	11669	72350		29.0	-44	34	6.5	.023	B5n	+ 24	d	3	L	
5609	11674	72208		29.2	+09	59	6.6	.011	A0	+ 8	d	5	D	SB (77)
5610	VZ Hya	72257		29.2	-06	09	9.2v	.014	F5+F5	+ 1	b	38	Md	EA 2.90 *
5611	29°	1770	.....	29.3	+29	38	8.5	.070	gF5	+ 10.8	b	3	W	
5612	11679	72310		29.3	-19	24	5.4	.034	A0	+ 12	c	4	L	
5613	29°	1772		29.3	+29	29	7.1	.023	gG6	+ 2.1	b	3	W	
5614	42°	1886		29.5	+42	18	7.7	.028	gG5	- 28	c	2	L	
5615	11683	72485		29.6	-47	42	6.5	.008	B4	+ 11	c	3	L	
5616	11684	72184		29.7	+38	11	6.0	.194	gK3	+ 14.8	b	6	W	
5617	7) Cnc	72292		29.8	+20	37	5.5	.069	gK5	+ 23.8	b	8	VW	*
5618	11689	72359		29.9	+10	14	6.3	.009	A0	+ 4	c	4	D	SB (33)
5619	11695	72324		30.0	+24	15	6.4	.085	gK1	+ 74.7	b	3	W	
5620	11700	72037		30.1	+65	19	5.4	.082	A0	- 15.5	b	9	3	*
5621	TT Cnc	.....		30.2	+13	22	10.8v	...	F0	+ 54	d	4	MdW	RH 0.56 *
5622	11702	72291		30.2	+36	36	6.1	.141	dF1	0	c	4	WV	*
5623	43°	1827	.....	30.7	+42	44	10.0	.20	dK5	- 9	c	2	W	
5624	11713	72737		30.7	-53	02	5.8	.027	G5+A	+ 19	d	1	L	
5625	4°	2380		30.8	-05	09	8.0	.078	dF7	+ 16	c	3	L	
5626	11723	72673		30.9	-31	20	6.4	1.351	dG8	+ 18.0	b	4	W	
5627	11724	72626		30.9	-24	26	6.2	0.022	dA7	- 7.7	b	4	W	
5628	11726	72505		31.0	+13	16	6.4	.058	KO	+ 27.8	b	4	D	
5629	11727	72392		31.0	+47	19	6.6	.008	AO	- 18.5	b	5	D	
5630	11730	71973		31.0	+74	54	6.3	.032	A5	- 6.4	a	20	V	Orb. Harper
5631	11732	72561		31.1	+04	56	6.1	.017	gG5	+ 0.7	b'	7	DW	*
5632	NGC 2610	.....		31.1	-15	58	.....	.....	Pe	+ 88	d	1	L	Em PL neb.
5633	11742	72787		31.5	-38	12	6.4	.012	B4	+ 5	c	3	L	
5634	11744	72524		31.5	+36	36	5.8	.058	A2	+ 24.9	b	5	V	
5635	11745	72617		31.5	+08	37	6.0	.035	FO	+ 15.6	b	4	V	
5636	22°	2317		31.6	-23	11	7.4	.352	dG5	+ 18.1	b	3	W	
5637	CC 475	.....		32.0	+67	28	9.2	1.09	dM1	+ 18	c	5	W	
5638	54°	1244		32.1	+53	54	8.7	0.022	gG8	+ 12.3	b	3	W	
5639	C 1000	72614		32.2	+41	56	8.6	.66	dK6	+ 58.4	b	5	W	
5640	20°	2593		32.2	-21	02	7.9	.047	sgFO	+ 20.9	b	3	L	
5641	11762	72779		32.5	+19	46	6.6	.038	dF5	+ 36	c	3	W	
5642	44°	4543	.....	32.8	-44	51	10.4	.....	BO	+ 44	e	2	Md	
5643	11768	72908		32.8	+02	55	6.5	*.009	KO	- 4.0	b	4	D	
5644	11769	72846		32.9	+19	57	8.3	.053	dA5n	+ 30.3	b	3	W	
5645	11772	72778		32.9	+42	45	7.0	.028	A2	- 30	c	4	D	
5646	U Cnc	72863		32.9	+19	04	8.4v	.014	gM2e	+ 72	c	2	W	Em +61 *
5647	11775	72968		33.0	-07	49	5.6	.032	A4p	+ 24.0	b	3	W	
5648	A 0886A	72945		33.2	+00	48	6.3	.196	dF6	+ 24.7	a	23	W	Orb* *
5649	A 0886B	72946		33.2	+06	48	7.2	.195	dG5	+ 26.7	b	4	W	
5650	11783	73155		33.2	-49	46	4.9	.015	KO	+ 4.4	a	6	L	

Cat. No.	Star	R.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
5651	19° 2467	73039	8	33.2	-20	11	8.4	0.025	dF3	+ 20	c	2	L	
5652	11785	72943		33.3	+15	29	6.3	.032	A5	+ 4.0	b	3	V	
5653	20° 2125	72942		33.4	+20	32	8.2	.034	A3	+ 30.4	b	4	W	
5654	19° 2047	73045		33.9	+19	03	8.5	.040	A4	+ 22.8	b	4	W	
5655	11796	73390		34.1	-58	03	5.4	.034	B3	+ 28	c	5	L	
5656	11797	73389		34.1	-57	50	4.8	.043	G6	+ 23.6	a	5	L	
5657	11799	72582		34.2	+73	48	6.3	.106	gG7	+ 0.6	b	7	W	
5658	9° 2593	73163		34.2	-10	10	9.1	.038	K2	- 10	d	1	L	
5659	11803	73080		34.3	+28	28	6.7	.054	G2	- 27.2	b	4	D	
5660	11807	73143		34.4	+09	50	6.0	.035	A2	+ 16.5	b	4	D	
5661	RU Cnc	.....		34.6	+23	44	9.9v	.....	*	+ 12	b	33	Md	gK2+dG9 *
5662	20° 2129	73142		34.6	+20	39	8.1	.027	dF8	- 15.7	b	4	W	
5663	11810	73017		34.6	+53	35	5.7	.080	gG6	- 43.1	b	6	W	
5664	20° 2131	73161		34.7	+20	12	9.1	.036	dFO _n	+ 35	c	3	W	
5665	11815	73174		34.7	+19	54	8.3	.046	dF2 _p	+ 34.4	b	3	W	
5666	11817	72905		34.8	+65	12	5.7	.088	dGO	- 12.0	b	9	VW	*
5667	20° 2133	73175		34.8	+19	43	8.2	.037	dA5 _n	+ 31.5	b	3	W	
5668	11818	73210		34.9	+19	27	6.7	.034	sgA7 _n	+ 27.9	b	4	W	
5669	S Hya	73262		35.0	+05	53	4.2	.070	AOn	+ 11	c	44	3	*
5670	11827	73029		35.1	+60	07	6.4	.042	A0	- 14	c	4	V	
5671	11829	73226		35.2	+26	14	7.6	.224	dG2	+ 23.9	b	3	W	
5672	11832	73192		35.2	+32	59	6.1	.026	gK2	+ 4.0	b	3	W	
5673	11835	73131		35.3	+53	06	6.5	.044	K1	+ 39.0	b	4	D	
5674	11836	73316		35.4	+09	45	6.5	.042	A0	+ 28	c	6	V	
5675	20° 2136	73294		35.5	+20	23	8.1	.023	dF6	- 9	c	3	W	
5676	11840	73524		35.5	-39	58	6.4	.316	dG1	0	d	3	Md	
5677	11844	73171		35.6	+52	53	6.0	.046	gK1	+ 27.3	b	4	W	
5678	i\ Pyx	73495		35.7	-26	05	5.2	.026	A0	+ 31	c	3	L	
5679	1° 2142	73412		35.8	+00	52	7.3	.040	K2	- 10	d	1	V	
5680	20° 2138	73345		35.8	+20	10	8.6	.038	dA8 _n	+ 35.3	b	3	W	
5681	T UMa	73108		35.9	+64	30	4.8	.057	gK2	+ 14.7	a	8	LV	*
5682	11852	73634		35.9	-42	49	4.1	.013	A5	+ 18.7	a	7	LC	*
5683	♄ Hya	73471		36.1	+03	31	4.5	.029	gK3	+ 24.5	b	5	LO	*
5684	21° 1880	73428		36.2	+20	58	8.8	.033	gG5	- 22.6	b	3	W	
5685	20° 2141	73430		36.2	+20	11	8.7	.029	dA6 _n	+ 28.9	b	3	W	
5686	11858	73449		36.2	+19	51	8.1	.037	dA6 _n	+ 30	c	5	W	
5687	11860	73450		36.3	+19	46	8.6	.038	dA7 _n	+ 32	c	4	W	
5688	11867	73887		36.4	-62	41	5.4	.028	G8	+ 20.5	b	7	LC	*
5689	11871	73599		36.7	+08	12	6.5	.044	KG	+ 16.7	b	4	D	
5690	11872	73508		36.8	+32	54	6.9	.050	gKO	+ 13.6	b	3	W	
5691	11873	73574		36.8	+20	16	8.1	.031	dFO _n	+ 37	c	3	W	
5692	11874	73575		36.8	+19	57	6.7	.039	sgA7 _n	+ 31.0	b	6	WV	*
5693	19° 2064	73576		36.9	+19	27	7.8	.041	A4	+ 33	c	3	W	
5694	11876	73393		36.9	+55	51	8.1	.453	dG2	+ 37.3	b	3	W	
5695	11877	73752		36.9	-22	29	5.1	.493	dG6	+ 43.4	b	10	3	SB *
5696	11879	73598		37.0	+19	43	6.7	.037	gG8	+ 33.8	b	3	W	
5697	A 6913A	73668		37.1	+05	57	7.8	.364	dG3	- 18.0	b	5	WL	*
5698	A 6913B	.....		37.1	+05	57	8.8	.356	dG9	- 22.7	b	3	W	
5699	11881	73618		37.1	+19	44	6.9	.044	gA5	+ 40	c	4	W	
5700	20° 2153	73619		37.1	+19	43	7.2	.037	dF1 _p	+ 32.6	a	46	W	Orb. Sanford

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes	
			R.A.	Decl.											
			h	m	°	'	''		km/sec						
5701	TX	11884	73667	8	37.1	+11	42	7.9	0.523	dK3	- 13.4	b	5	W	
5702		Cnc	.....	37.2	+19	41	10.4v	.....	dF8	+ 31.1	b	9	W	EB 0 th
5703		11886	73596	37.2	+32	07	6.1	.047	gF3	+ 35.5	b	9	DW	SB *	
5704		11888	73665	37.2	+20	11	6.5	.040	gG7	+ 35.5	b	8	DW	*	
5705		X	UMa	73507	37.3	+50	19	8.8v	.021	gM4e	- 83	c	3	W	Em -91 *
5706		11889	73666	37.3	+20	09	6.5	.039	A2	+ 33.8	b	11	VW	*	
5707		11893	73711	37.4	+19	43	7.4	.040	sgA6n	+ 39.0	b	4	W		
5708		11896	73190	37.5	+73	21	6.9	.023	A0	+ 4.3	b	4	D		
5709	20°	2165	73709	37.5	+19	52	8.7	.044	dFO	+ 17	d	3	W	SB	
5710		11898	73712	37.5	+19	32	6.8	.057	sgA5n	+ 31.2	b	4	W		
5711		11899	73710	37.5	+19	51	6.4	.039	gG7	+ 35.4	b	10	VW	*	
5712		11903	73593	37.6	+46	01	5.5	.089	sgG6	- 37.0	b	12	3		*
5713	€	Cnc	73731	37.6	+19	43	6.3	.039	gA6n	+ 30	c	12	WV	SB *	
5714	20°	2169	73729	37.6	+20	22	9.1	.034	dA5n	- 6	d	4	W	SB 2-sp	
5715	20°	2168	73730	37.6	+20	01	8.7	.040	dA9	+ 27.8	b	3	W		
5716		11906	73844	37.6	-17	07	7.0	.160	gM5	+ 31.1	b	3	W		
5717	?	Pyx	73898	37*6	-29	23	5.0	.102	gG4	- 31.6	a	7	CL	*	
5718		11908	73840	37.7	-12	18	5.2	.082	gK5	- 10.6	b	10	3		*
5719	19°	2073	73763	37.8	+19	23	8.0	.037	A4	+ 38	c	3	W		
5720		11916	73785	37.9	+19	54	6.7	.037	gA8n	+ 31	c	9	VW	SB *	
5721		11917	74071	38.0	-53	16	5.6	.039	B7n	+ 9	c	4	L		
5722		11921	73819	38.1	+19	46	6.8	.038	sgA5n	+ 28.1	b	6	W		
5723	10°	1848	73857	38.1	+10	00	7.5	.045	F0	+ 24	c	7	W	RR 0.18	
5724	<3	Pyx	74006	38.1	-35	08	4.0	.022	G5	- 15.0	a	12	hC	*	
5725	45°	1620	73759	38.3	+45	04	7.9	.035	gF2	+ 21.5	b	3	W		
5726		11928	73871	38.4	+20	39	6.6	.008	A4n	0	c	9	W	SB (50)	
5727	20°	2179	73872	38.4	+20	06	8.8	.042	A4n	+ 31	c	3	W		
5728	19°	2078	73890	38.5	+19	26	8.7	.040	dA5n	+ 40	d	3	W	SB 2-sp	
5729		11931	74067	38.5	-40	05	5.2	.051	B9	+ 21.1	b	3	L		
5730	CC	481	74000	38.5	-16	09	9.4	.615	sdF1	+203	c	5	WMd	*	
5731		11933	74146	38.5	-52	53	5.4	.030	B5	+ 36	d	4	L	SB (115)	
5732		11935	71986	38.6	+85	14	7.4	.140	dF5	+ 1	c	4	W		
5733	o	Vel	74195	38.9	-52	45	3.7	.030	B3	+ 17.1	a	18	L		
5734		11944	74196	38.9	-52	50	5.7	.043	B5	+ 14	d	4	L		
5735	33°	1742	73922	38.9	+33	34	8.5	....	gK3	+ 24.2	b	3	W	
5736	e	voi	74405	38.9	-70	12	5.3	.052	A0	+ 13	c	4	L		
5737		11950	73974	39.0	+20	03	7.0	.039	gG7	+ 30.5	b	3	W		
5738		11951	74180	39.0	-46	28	4.1	.012	cF8	+ 25.3	a	13	LC	*	
5739	Lee	99	.....	39.1	+07	36	10.6	.....	R4	+ 31	d	1	W	
5740	45°	4393	.....	39.2	-45	55	9.6	.....	BOne	+ 78	e	1	Md.	
5741	19°	2083	74028	39.2	+19	35	7.9	.031	dA5	+ 30.5	b	3	W		
5742		11958	74011	39.4	+34	22	7.4	.267	dF7	+ 44.9	b	4	W		
5743		11959	74137	39.4	-15	46	5.0	.094	gG8	- 2.3	b	8	LW	*	
5744	K	172-905	.....	39.5	-45	06	8.4	.....	cB2	+ 37	c	3	Md	IS -2 c
5745		11964	74375	39.5	-59	35	4.4	.009	B1	+ 12.9	a	46	L	Orb* Prescott	
5740		11965	73971	39.5	+47	05	6.2	.065	G5	- 7.0	b	4	D		
5747		11966	74272	39.6	-47	08	4.8	.020	A3	+ 17.4	b	5	L		
5748	32°	5613	.....	39.0	-32	48	11.6	.....	wA	+ 58	c	3	Md	
5740		11968	74057	39.7	+32	03	7.0	.....	F8	- 0.4	b	7	D	
5750		11978	74371	40.2	-45	14	5*2	.014	B5	+ 24.6	b	3	L		

Cat. No.	Star	No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
5751	y Cnc	74198	8	40.4	+21	39	4.7	0.112	A0	+ 28.7	b	20	4	SB *
5752	11983	74228		40.5	+12	52	5.7	.002	dA9	- 13	c	8	PnW	*
5753	11986	73797		40.6	+73	28	7.4	.013	A2	- 13.7	b	5	D	
5754	77 Hya	74280		40.6	+03	35	4.3	.019	B5n	+ 21	c	20	4	*
5755	11988	74455		40.6	-47	55	5.5	.034	B3n	+ 58	d	3	L	IS +14 c
5756	11992	74535		40.9	-52	55	5.7	.039	B9	+ 19.8	b	5	L	
5757	CC 486	.....		40.9	+36	26	11.5	.43	sdF8	- 5	e	2	Md	
5758	11995	74243		41.0	+37	06	6.3	.105	F2	+ 4	c	3	V	
5759	11997	74560		41.0	-52	56	5.0	.028	B5	+ 21.6	b	4	L	
5760	S Cnc	74307		41.1	+19	13	8.0v	.017	A0+G5	+ 12	c	10	W	EA 9.48 *
5761	12005	74292		41.2	+32	15	6.9	.034	A3n	- 8.4	b	5	D	
5762	12006	74395		41.2	-07	03	4.7	.004	cG4	+ 31.4	a	8	LW	*
5763	12013	74576		41.4	-38	42	6.6	.446	dK5	+ 18	c	5	W	
5764	C 1025	74492		41.5	-16	50	8.0	.165	dF7	- 13	c	3	L	
5765	a Pyx	74575		41.6	-33	00	3.7	.019	B1	+ 15.3	b	15	3	IS +16 d *
5766	10° 2619	74488		41.6	-10	22	9.0	.009	B9	+ 2	e	1	L	
5767	44° 1783	74327		41.7	+44	22	8.5	.040	gF3	+ 23.4	b	5	W	
5768	6 Cnc	74442		41.8	+18	20	4.2	.236	gKO	+ 17.1	a	12	3	*
5769	12024	74377		41.9	+41	52	8.2	.707	dK5	- 25.9	b	3	W	
5770	46° 1431	74360		42.0	+46	22	8.2	.072	dF4	- 24	c	2	L	
5771	12029	74521		42.0	+10	16	5.6	.027	A4p	+ 24.4	b	12	3	*
5772	12031	74753		42.1	-49	38	5.2	.020	B3n	+ 28	d	3	L	
5773	33° 1754	74484		42.3	+33	26	8.0	.028	gMO	- 27.5	b	3	W	
5774	12037	74485		42.3	+30	53	6.1	.008	gG4	- 12.2	b	4	WV	*
5775	12041	74591		42.4	+05	52	6.0	.009	A3n	- 6	c	8	DW	SB *
5776	28° 1642	74546		42.5	+28	37	7.2	.107	F3	+ 3	c	5	D	
5777	12050	74772		42.6	-42	28	4.1	.025	sgG5	- 2.3	a	11	LC	*
5778	A 6977B	.....		42.8	-02	25	7.5	.024	dF6	- 17.8	b	3	W	
5779	A 6977A	74688		42.8	-02	25	6.7	.009	dF5	- 18.2	b	5	W	
5780	17 Cha	75416		43.1	-78	47	5.6	.035	AOn	+ 18	e	1	L	
5781	6 Vel	74956		43.3	-54	31	2.0	.086	A0	+ 2.2	b	5	L	
5782	12077	74794		43.5	-01	52	5.8	.057	gKO	+ 10.2	b	3	W	
5783	t Cnc	74739		43.7	+28	57	4.2	.051	gG6	+ 16.0	a	21	6	*
5784	67° 559	74462		43.7	+67	38	8.5	.» * »	sdGO	-168.1	b	3	W	
5785	12091	74815		43.9	+08	40	6.9	.016	B9	+ 25	c	5	S	
5786	12097	74918		44.0	-13	22	4.4	.021	gG4	- 7.6	a	28	CL	SB *
5787	RS Cam	74110		44.1	+79	09	8.0v	.019	gM6	- 41	b	6	W	SR 85
5788	€ Hya	74874		44.1	+06	36	3.5	.198	dF8	+ 36.4	a	37	L	Orb. Adams *
5789	A 6993C	.....		44.1	+06	36	7.8	. . .	dF7	+ 31.7	a	44	W	Orb. Sanford
5790	12104	74873		44.2	+12	17	5.7	*.090	A0	+ 23.3	b	7	DW	*
5791	12105	74225		44.3	+78	22	7.3	.026	gM5	- 43	c	2	L	
5792	12109	75063		44.3	-45	51	4.1	.011	AO	+ 23.6	a	9	L	
5793	12° 2669	.....		44.4	-13	11	10.0	*.382	sdA5	+ 26	c	2	Md	
5794	12117	75021		44.5	-29	33	7.6	.026	R8	+ 11	b	4	W	
5795	12122	74988		44.7	-01	43	5.2	.033	AOn	+ 2	c	15	4	SB *
5796	12125	75149		44.8	-45	44	5.5	.016	B5	+ 25.2	b	6	L	
5797	K172-1522	.....		45.4	-46	08	9.4	. . . .	B1	+ 57	e	2	Md	IS +31 e
5798	12138	75311		45.4	-56	35	4.6	*.005	B3ne	+ 27	d	3	L	
5799	12142	75278		45.6	-49	58	5.8	.013	cFO	+ 32	c	3	L	
5800	CC 489	.....		45.8	+00	40	10.3	.507	dMO	- 23	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'			km/sec					
5801	<i>p</i> Hya	75137	8	45.8	+06	01	4.4	0.042	A0	+ 32.8	b	119	4	*
5802	89° 13	66368		45.9	+88	47	7.0	.009	A0	- 8	c	4	W	
5803	12155	75157		45.9	+10	37	7.1	.013	gM4	- 12.7	b	4	W	
5804	12156	75156		45.9	+12	44	6.8	.023	gM4	+ 66.6	b	3	W	
5805	CC 490	.....		46.2	+36	41	10.0	.56	dM1	+ 1	² / ₃	2	W	
5806	45° 1641	75117		46.4	+45	09	7.6	.068	dF4	+ 20.1	b	3	W	
5807	45° 1642	75135		46.5	+44	52	7.7	.031	A0	+ 2.6	b	3	W	
5808	45° 1643	75172		46.7	+45	09	8.6	.015	dA6n	- 21.7	b	4	W	
5809	12172	75333		46.8	-03	15	5.2	.036	B9	+ 32.6	b	10	LY	*
5810	64° 710	75073		47.0	+64	36	8.5	....	dG3	< 43.0	b	3	W	
5811	12184	75390		47.3	+06	44	6.8	.027	B9	- 10	d	5	S	
5812	66° 580	75107		47.4	+66	38	7.8	«...»	gG8	- 57	c	2	L	
5813	12187	75332		47.4	+33	28	6.2	.108	dF7	+ 5.1	b	9	W	*
5814	12193	75630		47.8	-40	08	5.4	.023	A2	+ 16.9	b	4	L	
5815	CC 491	.....		47.8	+07	49	10.8	.67	sdG6	+276	c	2	Md	
5816	12195	75605		47.8	-32	36	5.2	.049	G3	- 7.8	b	7	LC	*
5817	12200	75469		47.9	+19	01	6.1	.030	A0	+ 19.2	b	3	V	
5818	12202	75629		47.9	-29	17	6.0	.018	gG7	- 10	d	1	W	
5819	12204	75710		48.1	-45	07	5.0	.011	A2	+ 5	d	4	L	
5820	K 172-1753	.....		48*2	-44	23	9.9	....	B0	+ 27	d	2	Md	
5821	12211	75528		48.2	+15	32	6.3	.134	dG2	+ 45.2	b	3	W	
5822	C 1039	75596		48.4	-00	28	8.6	.192	dF7	+ 36.5	b	3	W	
5823	12215	75558		48.4	+16	11	7.2	.031	sgG3	+ .50.0	b	3	W	
5824	<i>y</i> Pyx	75691		48.4	-27	31	4.2	.153	gK4	+ 24.5	a	12	LC	*
5825	K 172-1789	.....		48.5	-45	21	8.7	....	Bin.	+ 6	e	2	Md	ISOc
5826	12221	75506		48.6	+43	55	5.2	.042	gG6	+ 14.9	b	12	3	*
5827	12226	75523		48.8	+45	30	6.1	.051	gK1	+ 12.4	b	9	DW	*
5828	12227	75821		48.9	-46	20	4.9	.011	B0	+ 8	d	3	L	
5829	12228	75556		48.9	+42	12	6.1	.086	gK2	+ 56.6	b	9	DW	*
5830	K 172-1822	.....		48.9	-45	22	9.4	....	B2	- 19	c	3	Md	IS -5 e
5831	19° 2548	75775		49.1	-20	20	8.0	.018	sgF7	+ 19	c	2	L	
5832	12° 1927	75700		49.1	+12	05	7.8	.028	gK2	- 4.5	b	3	W ¹	
5833	26° 1855	75646		49.1	+25	54	7.5	.033	gG9	- 8	c	2	I*	
5834	12232	75737		49.1	-06	59	5.6	.046	dPO	+ 87	c	7	3	SB (46) *
5835	12234	75487		49.2	+59	15	6.1	.015	gF2	+ 9.3	b	8	DW	*
5836	12235	75486		49.3	+62	09	5.7	.022	gFO _n	- 30.7	b	10	DW	*
5837	8° 2509	75786		49.3	-08	56	8.2	.058	dF3	+ 30	c	3	L	
5838	12240	75716		49.5	+28	27	6.3	.018	gM3	+ 11.3	b	4	W	
5839	19° 2114	75750		49.5	+19	32	8.4	.010	B5	- 9.0	b	8	L	IS -3 c
5840	12242	75698		49.5	+32	40	5.8	.010	A2	- 23	d	7	VW	SB (46) *
5841	K 172-1864	.....		49.5	-45	29	8.8	....	BCJ	+ 26	*	2	Md	IS +16 e
5842	12243	75767		49.6	+08	15	8.6	#. > 3	dG1	+ 4.0	a	37	W	Orb. Stanford
5843	12244	75732		40.6	+28	31	6*1	.537	<i>mm</i>	+ 26.6	a	10	WV	*
5844	12249	75811		49.8	+05	32	6.2	.019	A3	- 6	c	3	V	
5845	12253	76143		49.9	-66	36	5.4	427	FO _n	+ 42.0	b	S	L	
5846	12260	76113		50.3	-.57	27	5.7	.016	B8	+ 8	•	1	I*	
5847	A 7067A	75632		50.7	+70	88	9.3	1.386	dM1	• 47.6	b	3	W	
5848	A 7007B	.....		50.7	+70	59	9.5	1.406	dM1	+ 47,3	c	3	W	
5849	11272	75896		80.8	+S5	44	6.0	0.0S6	AI	• M	c	1	W	
5850	8 Hya	76011		51.0	+03	16	7-IT	.016	gM4#	+ <i>n</i>	b	4	MIW	Sm +W.5 *

Cat. No.	Star	H.D. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.											
			h	m	°	'	''	km/sec							
5851	12279	76161	8	51.0	-48	10	6.1	0.020	B5n	+ 3	d	3	L		
5852	18° 2076	75994		51.1	+18	25	7.8	.070	sgG5	- 34	c	2	L		
5853	12289	75959		51.2	+30	46	5.6	.049	gG7	- 60.1	b	4	D		
5854	-0° 2087	76082		51.4	-00	25	8.4	.016	gK1	+ 58.2	b	4	W		
5855	16° 2626	76122		51.4	-17	02	8.2	.012	sgF3	+ 26	c	2	L		
5856	K 172-2000	.....		51.7	-45	51	9.1	.....	B1	+ 16	c	3	Md	*
5857	12307	76151		51.8	-05	15	6.0	.419	dG3	+ 26	c	7	WMd	*	
5858	12310	76095		52.0	+26	24	6.7	.454	dG1	+ 36.8	b	6	WV	*	
5859	12314	76360		52.2	-47	20	5.3	.032	A5	- 1	c	5	L	SB (43) 2-sp	
5860	12317	75958		52.4	+64	48	5.6	.089	gG3	+ 3	c	9	VW	SB *	
5861	CC 498	.....		52.6	+01	46	9.9	1.09	dM1	+ 3	c	5	W	
5862	X Cnc	76221		52.6	+17	25	5.9 _v	0.004	N	- 1	b	9	LW	SR 165? *	
5863	12323	75972		52.6	+65	43	7.4	.019	gG6	- 33.7	b	3	W		
5864	12325	76538		52.7	-60	10	6.0	.008	B5	+ 2	c	3	L		
5865	12326	76219		52.7	+28	07	5.2	.040	gG6	+ 17.1	a	6	LW	*	
5866	† Hya	76294		52.8	+06	08	3.3	.101	gG5	+ 22.8	a	18	4		*
5867	A 7093B	76369		53.0	-07	47	6.9	.041	A3	- 20	c	2	V		
5868	A 7093A	76370		53.0	-07	47	6.7	.027	A3	- 10	c	3	V		
5869	12337	76366		53.2	-02	36	7.0	.037	K1	+ 30	d	1	V		
5870	12338	76238		53.2	+45	57	6.9	.024	F0	- 8	c	6	D		
5871	12339	76351		53.2	+11	49	5.7	.018	gK5	+ 24.3	b	3	W		
5872	T Hya	76400		53.2	-08	57	6.8 _v	.009	gM3e	- 3	c	2	W	Em -12 *	
5873	12341	76292		53.3	+40	24	5.9	.098	gF3	+ 25.9	b	7	DW	*	
5874	26° 1869	76318		53.3	+26	34	8.2	.058	dF2	+ 26.8	b	3	L		
5875	6 Pyx	76483		53.4	-27	29	4.9	.131	A2	+ 4.6	b	4	L		
5876	12346	76291		53.5	+45	49	5.9	.131	gK2	+ 58.5	b	9	VW	*	
5877	12347	76216		53.6	+58	25	6.9	.047	A2	- 27	c	6	D	SB	
5878	12354	76653		53.8	-54	46	5.7	.093	F5	- 2	e	1	L		
5879	T Cnc	.....		53.8	+20	03	7.6 _v	.006	N6	+ 6.2	a	18	We	P483
5880	13° 2718	76510		53.8	-13	43	8.2	.038	B4n	+ 21.6	b	6	L		
5881	12358	76398		53.9	+33	06	5.5	.087	A3	+ 5.3	b	17	3	*	
5882	12359	76728		53.9	-60	27	4.0	.045	B8	+ 25	c	6	L		
5883	12361	76494		54.0	+04	26	6.4	.012	G8	- 12.2	b	4	D		
5884	12367	76508		54.3	+17	20	6.3	.054	KO	+ 18.9	b	4	D		
5885	51 ³ 1462	76396		54.4	+51	38	8.8	.118	R4	- 57	c	3	WMd	*	
5886	12373	76543		54.5	+15	31	5.2	.059	A3	0	c	9	3	*	
5887	12380	76582		54.8	+15	46	5.6	.063	A4	- 4	c	7	VL	*	
5888	12381	76805		54.8	-52	32	4.8	.006	B5	+ 22.2	a	97	L	Orb. Neubauer	
5889	12388	76572		54.9	+30	26	6.2	.060	dF3	+ 8.3	b	4	W		
5890	»0° 2096	76646		55.0	-00	2%	8.2	.056	dF3	+ 34	c	2	L		
5891	21° 1947	.....		55.0	+20	39	9.1	.061	dF2	+ 36.0	b	4	W	
5892	12389	76629		55.0	+09	35	6.3	.018	G8	- 13 ^{^6}	u	4	D		
5893	46 ^C 4786	.....		55.2	-46	52	9.9	.....	B1	+ 22	b	2	Md	
5894	12393	76595		55.3	+36	00	6.5	.020	A0	- 15	c	3	V		
5895	12398	76757		55.6	+01	44	6.5	.035	A0	+ 26.2	b	3	V		
5896	RT Cue	70734		55.6	+11	02	7.3 _v	.042	gM5	+ 36	c	6	W	SR 94.5	
5897	CC 500	.....		55.7	+20	45	8.9	.67?	dK5	- 46.1	b	3	W	
5898	12405	77002		55.8	-59	02	5.1	.015	B5	+ 24 ^{*6}	b	5	L		
5899	a Cnc	76750		58 ^{«8}	+12	03	4.3	.051	dFO	- 13.8	b	24	5		*
5900	l UJHa	76644		55.8	+48	14	3.1	.505	A4n	+ 12.2	a	32	6	A 7114A *	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	na	°	'			km/sec					
5901	A 7114B	.....	8	55.8	+48	14	10.8	.....	dM1	+ 15	d	1	W	
5902	12410	76704		56.0	+45	56	6.6	0.045	A0	+ 3.0	b	7	D	
5903	47° 4551	.....		56.2	-47	33	9.0	.06	O7	- 13	d	2	Md	
5904	12414	76830		56.4	+18	20	6.6	.085	gM4	+ 21.2	b	3	W	
5905	4° 2088	76868		56.4	+03	51	7.8	.020	B5e	- 15.4	b	10	L	
5906	12415	76932		56.4	-15	56	5.9	.322	dF5	+122.3	b	4	W	
5907	12417	76813		56.5	+32	37	5.6	.057	gG9	+ 23.3	b	3	W	
5908	5° 2678s	.....		56.6	-06	12	11.5	.....	sdF7	+126	d	2	Md	*
5909	CC 501	.....		56.6	-03	49	9.5	.73	sdF3	+ 25	c	8	WMd	*
5910	34° 1929	76846		56.7	+33	57	9.2	.019	R1	+ 25	b	3	MiW	*
5911	15° 2659	77015		56.9	-16	18	7.6	.011	gK1	+ 56	c	3	L	
5912	12431	77140		57.2	-47	02	5.2	.107	F0	+ 19.8	b	5	L	
5913	12432	76944		57.3	+37	48	6.5	.008	K5	- 17.0	b	4	D	
5914	12434	76943		57.4	+41	59	4.1	.505	dF2	+ 26.4	a	20	4	*
5915	20° 2743	77098		57.5	-20	37	8.4	.067	dF6	- 19	c	2	L	
5916	23° 2029	77024		57.6	+22	40	8.1	.035	dF7	- 14	c	2	L	
5917	12441	76539		57.7	+76	36	7.8	.193	dG4	+ 14.8	b	3	W	
5918	p UMa	76827		58.1	+67	50	5.0	.024	gM3	+ 4.6	a	5	LV	*
5919	CC 504	.....		58.2	+05	27	12.1	.47	dM4	+ 7	c	2	W	
5920	CC 505	.....		58.2	+05	16	12.5	.47	dM4	- 11	c	2	W	
5921	12449	77370		58.2	-58	54	5.2	.325	F1	+ 10.6	a	5	L	
5922	12451	77258		58.2	-41	03	4.4	.060	F8	- 6.5	a	43	C	Orb. Lunt
5923	12456	77104		58.3	+32	27	5.8	.004	A2n	- 12.8	b	4	W	
5924	12461	77093		58.5	+39	55	6.2	.098	F0	- 8	c	4	V	
5925	12462	77175		58.5	+15	28	8.6	.349	dK6	- 12.6	b	3	W	
5926	12468	77236		58.7	-02	22	7.9	.149	sgKO	+142.0	b	3	W	
5927	26° 1884	77173		58.8	+26	35	8.3	.045	sgFO n	+ 21	e	2	L	
5928	12471	77190		58.8	+28	06	6.0	.097	A5n	+ 12	d	4	S	SB (44)
5929	12473	77250		58.9	+05	50	6.3	.032	K0	+ 33.3	b	4	D	
5930	12475	77230		58.9	+17	17	7.1	.030	B9	+ 7	d	6	V	SB (73)
5931	39° 2187	77189		59.1	+38	51	7.3	.049	gK5	+ 8	c	3	L	
5932	12487	77353		59.4	-00	17	5.8	.090	gGB	+ 73.2	b	3	W	
5933	12489	77475		59.5	-41	40	5.5	.029	B7	+ 22	c	7	L	
5934	50° 1603	77234		59.7	+50	17	9.5	.008	R6	+ 5.1	b	3	W	
5935	v Cue	77350		59.8	+24	39	5.4	.009	AO	- 15.1	b	28	5	*
5936	18° 2103	77378		59.8	+17	56	8.2	.035	dF3	+ 25	d	3	L	
5937	22° 2041	77391	9	00.0	+22	28	7.8	.048	sgG6	+ 43	c	2	L	
5938	12499	77445		00.1	+07	30	6.1	.020	gK3	+ 26.5	b	7	BW	*
5939	12501	77653		00.2	-51	59	5.4	.020	B9	+ 32	c	4	L	*
5940	k UMa	77327		00.2	+47	21	3.7	.069	B9n	+ 4	c	10	4	*
5941	12504	77408		00.2	+33	05	7.1	.407	dF6	+ 70.5	b	3	W	
5942	12507	77309		00.4	+54	29	5.7	.005	A2n	- 2	c	8	DW	*
5943	15° 2678	77534		00.4	-15	27	9.1	.009	G5	+ 40	d	1	L	
5944	10° 1934	77572		01.0	+10	06	8.2	.044	dF4	+ 14	c	2	L	
5945	12519	77557		01.2	+28	06	6.3	.007	AOn	- 24	c	8	WS	*
5946	12528	77907		01.6	-53	21	6.5	.039	B9	- 7.0	b	4	L	
5947	ot Vol	78045		01.7	-66	12	4.2	.104	A5	+ 4.9	b	57	LC	SB (J271) *
5948	12534	77570		01.8	+51	01	6.7	.133	dP4	+ 16.5	b	8	W	
5949	12537	77660		01.9	+32	35	6.4	.076	A5	+ 16.0	b	3	V	
5950	12540	77601		02*0	+48	44	5.6	.026	gFl n	- 0	c	10	W	SB (47) *

Cat. No.	Star	HJD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes	
			R.A.	Decl.									
5951	CC 508	.....	h 9	m 02.1	+39 00	11.8	0.47	sdF5	- 51	c	3	Md	
5952	31° 6877	77938		02.4	-32 15	7.7	.....	gM5	- 2.4	b	3	W	
5953	12545	78004		02.4	-46 54	3.7	.058	sgK2	+ 24.3	a	11	LC	*
5954	3° 2563	77894		02.6	-03 35	7.4	.033	K2	+ 16	d	1	V	
5955	12550	77772		02.7	+38 38	8.1	.151	dF6	- 12	c	2	L	
5956	12551	77692		02.9	+59 33	6.2	.031	AO	+ 4	c	14	3	SB *
5957	S Pyx	78000		02.9	-24 53	8.3 _v	.017	gM3e	+100	c	4	W	Em +90 *
5958	RX Hya	78014		03.2	-08 04	9.0 _v	.017	A8	0	b	35	Md	EA 2.28 *
5959	∞ Hya	77996		03.3	+05 18	5.4	.019	gK2	+ 24.5	b	18	3	*
5960	12565	77912		03.4	+38 39	4.7	.036	gG5	+ 17.3	a	8	3	*
5961	16° 1901	77986		03.4	+16 04	7.3	.013	A0	+ 1.5	b	12	DS	
5962	12566	77985		03.5	+17 19	7.6	.070	gG7	- 4.7	b	4	W	
5963	38° 1998	77930		03.5	+38 16	8.1	.172	dF6	+ 47	d	2	L	
5964	12569	78011		03.6	+15 29	8.0	.023	gM4	+ 19.7	b	4	W	
5965	59° 1218	77818		03.6	+59 05	7.6	.118	sgKO	- 39.1	b	3	W	
5966	12576	77800		04.0	+67 05	5.3	.045	gK5	+ 15	c	6	LW	SB *
5967	t Oct	79837		04.3	-85 28	5.4	.124	F0	- 2.5	b	4	L	
5968	12581	78196		04.4	+01 40	6.4	.029	M2	+ 2.9	b	4	D	
5969	10° 1940	78195		04.5	+09 52	7.5	.049	gG9	+ 3	c	2	L	
5970	A 7187B	.....		04.6	+23 11	7.2	.152	dF4	+ 32.3	b	3	W	
5971	A 7187A	78175		04.6	+23 11	6.8	.165	dF3	+ 29.1	b	3	W	
5972	V UMa	.....		04*7	+51 19	9.6 _v	.....	gM5	- 35	c	5	W	SR 210 *
5973	T Cue	78235		05.0	+29 51	5.4	*.029	gG7	- 13.1	b	6	LW	
5974	12594	78234		05.0	+32 45	6.3	.085	F2	+ 41.4	b	4	D	
5975	12595	78791		05.0	-72 24	4.5	.014	F5	+ 22.4	a	14	CL	*
5976	K Cue	78316		05.0	+10 52	5.1	.027	B8	+ 24.2	a	142	3	Orbits *
5977	.....	78278		05.1	+21 46	10.2	.....	R6	+ 19	c	2	W	
5978	12602	78764		05.2	-70 20	4.9	.012	B3ne	+ 35	c	6	L	
5979	12603	76990		05.3	+84 23	6.3	.030	dF2	- 6	c	8	VW	SB *
5980	12604	78209		05.4	+51 48	4.5	.139	dF2p	- 0.1	a	15	4	*
5981	12608	78391		05.4	-06 56	8.4	.120	dF9	- 2.6	b	3	W	
5982	CC 510	78233		05.4	+51 00	8.1	.423	dG6	+ 21.1	b	3	W	
5983	12613	78366		05.8	+34 05	6.0	.222	dGO	+ 27.2	b	7	L	*
5984	it Pyx	78541		05.9	-25 39	4.8	.039	gMO	- 44.7	b	4	L	SW
5985	12615	78418		05.9	+26 50	6.0	.394	dG3	+ 12.8	a	29	W	Orb. Sanford
5986	12618	78249		06.0	+59 21	7.2	.169	sgK2	+ 46.5	b	3	W	
5987	12619	78154		06.0	+67 20	4.9	.082	dF4	- 1.7	a	11	3	*
5988	12620	78558		06.1	-14 56	7.3	.574	dG1	+ 59.7	b	4	W	
5989	X Vel	78647		06.2	-43 14	2.2	.026	cK4	+ 18.4	a	25	LC	*
5990	12025	78479		06.2	+17 40	7.4	.057	gK4	+ 76.5	b	3	W	
5091	12026	78556		06.3	-08 23	5.5	.027	BS	+ 23.4	b	12	3	*
5992	8 ^s 2172	78535		00.4	+07 43	7.1	.022	K0	+ 72	e	1	V	
5993	£ Cue	78515		06.5	+22 15	5.2	-004	gG9	- 7.4	a	21	LW	SB *
5994	12638	78274		00.6	+67 40	8.1	.237	dF5	+ 9.6	b	3	W	
50SS	59* 1223	78364		00.6	+59 28	8.2	.069	dF4	- 0.6	b	3	W	
<i>mm</i>	H 2448	78991		06.6	-69 44	.....	.....	Pe	- 24	c	5	L	15in PI n&h.
5907	16 [#] 2094	78670		06.8	-16 33	8.1	.108	dF9	+ 71	c	2	L	JEMAX JET L. XTCU.
5998	12645	78668		00.8	-12 09	5.8	.022	gG6	- 9.4	b	6	W	
5999	r UMa	78362		00.8	+63 43	4.7	.120	F6p	- 9	a	34	LW	SB *
#00	16° 1913	78608		06.8	+10 18	9.0	.025	A2	+ 22	c	4	W	

Cat. No.	Star	HJ> No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.									
			h	m	°		//	km/sec					
6001	29° 7177	78753	9	06.9	-30 12	9.6	0.014	A	- 59	c	7	L	SB (164)
6002	W Cnc	78585		07.0	+25 27	7.4v	.14	gM7e	+ 49	c	2	W	Em +35 *
6003	12648	78661		07.1	+11 46	6.5	.081	F0	- 15.8	b	6	D	
6004	12649	78732		07.1	-08 35	5.7	.025	gG6	+ 26.0	b	3	W	
6005	12655	78715		07.5	+22 12	6.1	.007	gG5	- 7.1	b	3	W	
6006	XX Hya	.....		07.5	-15 24	10.5v	.....	.....	- 10	d	1	W	RR 0.34
6007	RS Cnc	78712		07.6	+31 10	5.5v	.036	gM6	+ 14.4	a	79	3	Em +6.1 *
6008	43° 4989	78958		07.7	-43 41	9.0	.....	B0	+ 44	d	2	Md	IS +28 e
6009	€ Pyx	78922		07.8	-30 10	5.6	.050	A3	- 10	d	8	L	SB (63)
6010	12676	78969		08.8	+09 11	7.1	.038	K7	- 4	d	1	V	
6011	12685	79009		09.1	+18 15	6.8	.044	A0	+ 10	d	3	V	SB (51)
6012	12687	78633		09.2	+71 52	6.5	.053	G8	+ 5.7	b	4	B	
6013	12688	79186		09.3	-44 40	5.0	.010	B3	+ 35.4	b	4	L	
6014	12690	79066		09.3	+05 40	6.2	.106	F0	+ 3.4	b	4	S	
6015	12691	79097		09.4	-06 46	8.0	.007	gM2	+ 6.7	b	3	W	
6016	12693	79096		09.6	+15 12	6.4	.574	dG7	+ 45.4	b	4	W	
6017	12695	79108		09.6	+04 04	6.1	.045	A0	+ 20	a	4	V	
6018	12696	79351		09.7	-58 46	3.6	.028	B3	+ 23.3	c	25	L	Orb. Curtis
6019	12697	79181		09.7	-19 33	5.8	.061	gG9	- 0.7	b	3	W	
6020	12699	79275		09.8	-46 23	5.9	.027	B3	+ 7	c	4	L	
6021	12707	79447		10.1	-62 07	4.2	.044	B3	+ 16.6	b	5	L	
6022	2° 2814	79218		10.2	-02 50	7.2	.056	K3	0	d	1	V	
6023	12712	79107		10.3	+47 12	7.5	.034	dF4	- 19.7	b	3	W	
6024	12713	79028		10.4	+61 38	5.2	.035	dF9	- 14.0	a	24	V	Orb. Young
6025	12716	79158		10.5	+43 26	5.3	.046	A1	+ 20.9	b	26	5	*
6026	NGC 2792	79384		10.6	-42 13	11.8	.....	Pd	+ 14	c	4	L	Em PL neb.
6027	12719	79416		10.7	-43 24	5.7	*.019	B8n	+ 4	e	1	L	
6028	12722	79248		10.8	+21 29	6.1	.020	A0	+ 8.8	b	4	D	
6029	12726	78935		10.9	+73 09	5.9	.107	A3n	+ 2	c	3	W	
6030	12727	79211		11.0	+52 54	8.0	1.676	dM0	+ 10.5	b	3	W	A 7251p
6031	12728	79210		11.0	+52 54	8.1	1.692	dM0	+ 9.4	b	4	W	A 7251f
6032	14° 2048	79319		11.1	+14 25	8.9	0.016	R6	+ 3.4	b	4	MiW	*
6033	MSB 57	.....		11.2	-23 11	9.0	.....	Ne	- 10	c	2	W	Em -34
6034	SZ Hya	.....		11.4	-09 07	10.5V	.....	.....	+100	c	2	W	RR 0.54
6035	12740	79698		11.6	-59 12	5.6	.006	G5	+ 16	d	1	L	
6036	0 Hya	79469		11.8	+02 32	3.8	.341	Aln	- 8	c	16	3	SB (59) *
6037	12748	79354		12.1	+56 57	5.5	.040	gM0	- 30.4	a	11	3	*
6038	12749	79452		12.2	+34 50	6.0	.154	sgG3	+ 56.4	b	3	W	
6039	7t Cue	79554		12.5	+15 09	5.6	.042	gK1	+ 25.6	b	8	DW	*
6040	12759	79735		12.5	-43 01	5.2	.028	B5n	+ 32	c	4	L	
6041	12761	79439		12.6	+54 14	4.9	.078	dA5n	- 15.1	b	*24	4	*
6G42	j8 Car	80007		12.7	-69 31	1.8	.183	A0E	- 5	c	7	L	
6043	12767	79846		12.8	-55 22	5.2	.039	G5	+ 8.8	b	3	L	
6044	12774	79752		13.1	-14 49	6.2	*033	A0E	+ 32.4	b	3	W	
6045	12779	79726		13.4	+14 20	8.3	.256	dG1	- 44.9	b	3	W	
6046	12784	79917		13.6	-38 22	5.0	.072	K2	+ 1.8	a	5	L	
6047	12785	79765		13.6	+19 01	6.9	.159	dPG	+ 30.5	b	4	W	
6048	12787	79940		13.7	-37 12	4.7	.024	F5	+ 11.7	b	3	L	
6049	12792	80094		13.9	-58 11	6.1	.027	B8	+ 7	c	3	L	
6050	12799	79763		14.2	+47 02	5.7	.022	AI	- 12.1	a	49	O	Orb, Harper

Cat. No.	Star	HJD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
6051	12800	79910	9	14.2	-06	09	5.4	0.019	gK4	- 7.8	a	61	C	Orb. *
6052	12802	79931		14.2	-08	32	5.5	.022	B9n	+ 9.7	b	7	YW	*
6053	A 7281A	79872		14.4	+23	52	7.8	.089	dF5	+ 12.6	b	3	W	
6054	A 7281B	.....		14*4	+23	52	8.1	.081	dF6	+ 6.8	b	3	W	
6055	12808	80108		14.5	-44	03	5.0	.007	M2	- 3.3	b	4	L	
6056	12810	79929		14.7	+27	38	6.5	.024	F5	+ 12	c	6	D	SB (23)
6057	12811	80050		14.8	-14	22	6.0	.050	gKO	- 36.6	b	3	W	
6058	12813	80230		14.8	-57	20	4.2	.021	K5	- 5.2	a	11	LC	*
6059	12814	79517		14.8	+74	14	6.5	.080	K0	+ 55.7	b	4	D	
6060	12816	79969		14.9	+28	47	7.3	.511	dK4	- 18.0	b	4	W	
6061	12821	80170		15.0	-39	11	5.4	.037	K5	0.0	a	6	LC	*
6062	12822	80105		15.1	-11	45	7.3	.057	gG6	+ 9.7	b	3	W	
6063	12824	80064		15.1	+11	43	6.3	.015	A0	- 3	c	8	DV	*c
6064	A 7286A	80024		15.4	+35	35	6.4	.050	A4n	+ 22	c	11	VV	*
6065	A 7286B	.....		15.4	+35	35	6.7	.....	A5	+ 29.9	b	6	V	
6066	12830	80081		15.7	+37	01	3.8	.133	B9n	+ 1.6	b	23	4	*c
6067	l Car	80404		15.8	-59	04	2.2	.019	F0	+ 13.3	a	24	CL	*
6068	12838	79968		16.1	+65	14	7.6	.331	dG4	+ 22	c	5	W	SB (63)
6069	RW Cnc	.....		16.2	+29	17	10.5v	.038	.....	- 85	d	2	W	RR 0.55
6070	12841	80218		16.2	+17	55	6.6	.181	dF4	- 14.8	b	5	W	
6071	12844	80456		16.4	-50	50	5.3	.030	B9	+ 66	d	5	L	SB (84)
6072	12848	80671		16.6	-68	29	5.4	.111	F2	+ 32.3	a	5	LC	*c
6073	12851	80130		16.7	+60	00	7.5	.044	gKO	- 33.0	b	3	W	
6074	12862	80479		17.2	-15	37	5.9	.071	gK4	- 29.6	b	4	W	
6075	12865	80290		17.3	+51	29	6.1	.147	dF3	- 7.7	b	3	W	
6076	12867	80499		17.4	-11	46	4.9	.027	gG5	- 2.0	b	7	LW	*
6077	12869	80951		17.5	-74	41	5.4	.029	A0	+ 11.2	b	3	L	
6078	A 73G7A	80441		17.9	+38	24	6.5	.046	dF3	+ 0.6	b	3	W	
6079	A 7307B	.....		17.9	+38	24	6.8	.....	dF2	- 1.9	b	4	W	
6080	12877	80550		17.9	-09	24	6.9	".041	gFO	+ 16	c	4	W	
8081	12879	80781		18.0	-54	58	6.4	.011	B7	+ 17	c	3	L	
6082	ex Lyn	80493		18.0	+34	36	3.3	.217	gMO	+ 37.6	a	12	3	*c
6083	12881	80586		18.0	-09	21	5.0	.037	gG9	+ 24.5	b	8	LW	*
6084	12882	80567		18.0	+00	24	6.8	.026	gM4	+ 2.6	b	4	W	
8085	12883	80390		18.1	+56	55	6.0	.015	gM4	+ 20.6	b	11	DW	*c
6086	.....	233622		18.2	+50	19	9.2	.....	B4n	+ 26	d	3	Md	
6087	12889	80536		18.3	+25	23	7.3	.161	dG1	- 38.1	b	3	W	
6088	26° 12892	80547		18.3	+26	13	8.1	.055	sgF4	+ 15.8	b	3	L	
6089	12892	80546		18.4	+33	07	6.2	.043	gK3	+ 27.7	b	3	V	
6090	12894	80613		18.5	+15	35	6.5	.041	AOn	+ 17.9	b	8	DV	*
0091	12897	80719		18.6	-15	24	6.3	.123	dF6	- 1	c	4	W	SB (35)
SG92	12809	80654		18.6	+13	20	6.6	.096	F5	- 8.4	b	6	D	
6093	12903	8G58GJ		18.6	+32	29	6.6	.059	A2	+ 9	c	6	D	
S094	I 12905	80652j		18.6	+18	49	6.8	.052	A8	+ 5.2	b'	5	D	
6G95	8 Pyx	80874)		19.3	-25	45	4.9	.019	gUl	+ 20.0	b	4	L	
6096	12917	80715]		19.3	+40	25	7.7	.504	dK3	- 43	d	3	W	SB (38)
6097	42° 2001	807431		19.6	+42	25	8.1	.087	dF5	- 23	c	3	L	
6098	12923	81101!		19.7	-62	11	4.9	.012	G4	+ 50.8	a	5	L	
600i	81° 295	801131		19.9	+80	45	8.8	«••	gG8	- 27	c	2	W	
6100	NG€ 2887	811191		20.0	-58	00	.....	.....	Pd	+ 18	c	4	L	Em PL neb.

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
6101	62° 1069	80731	9	20.2	+61	59	8.3	0.037	dFO	+ 4	c	2	L	
6102	12933	81157		20.3	-55	18	5.7	.087	A2	+ 59	e	1	L	
6103	12937	80388		20.4	+78	39	8.0	.036	dG1	- 12	c	4	L	SB (34)
6104	K Vel	81188		20.6	-54	48	2.6	.012	B3	+ 21.9	a	27	L	Orb. Curtis
6105	12940	80956		20.6	+25	24	6.5	.119	gG2	- 1.1	b	3	W	
6106	12947	81028		20.8	+07	56	7.2	.037	gM4	+ 57.8	b	4	LW	*
6107	12950	81109		21.0	-20	49	7.1	.014	gM3	+ 17	c	5	LW	SB *
6108	X Pyx	81169		21.0	-28	37	4.9	.141	gG7	+ 10.2	a	5	L	
6109	3° 2196	81069		21.1	+02	37	7.5	.029	gKO	- 18	c	4	LV	*
6110	12956	81058		21.2	+26	08	6.8	.049	gK3	- 16.1	b	4	W	
6111	12957	81039		2L3	+36	48	6.4	.089	A5	+ 15	c	3	V	
6112	12962	81025		21.5	+51	47	6.4	.045	GO	- 16	c	4	D	SB (36)
6113	12965	81183		2L5	-05	15	7.2	.023	K5	- 23	e	1	V	
6114	12967	80768		21.6	+76	09	9.1	.375	dK5	- 2.1	b	3	W	
6115	12970	80953		21.7	+64	09	6.5	.046	K3	+ 7.1	b	4	D	
6116	K Leo	81146		21.7	+26	24	4.6	.057	gK2	+ 28.2	a	12	3	*
6117	A 7352A	81212		21.8	+06	34	7.5	.182	dF5	+ 45	c	2	W	
6118	A 7352B	.....		21.8	+06	34	7.6	.....	dF7	+ 41	c	2	W	
6119	12977	81193		21.9	+17	56	7.2	.045	K3	+ 37	d	1	V	
6120	12978	81192		21.9	+20	00	6.7	.148	dG5	+135.3	b	3	W	
6121	12980	81104		22.1	+54	14	7.4	.038	A2	+ 19	d	6	V	SB (123)
6122	RZ Hya	.....		22.4	-06	35	9.2v	.....	gM4e	- 5	d	1	W	Em P336
6123	12987	81265		22.5	+30	43	7.8	*.198	sgG8	- 0.9	b	5	WL	*
6124	12988	80930		22.7	+75	19	6.3	.037	A2	+ 1.2	b	3	V	
6125	33° 1859	81299		22.7	+32	59	7.9	.004	gG5	+ 17.4	b	3	W	
6126	6° 2173	81373		22.7	+06	29	7.5	.046	gG9	- 1.5	b	3	L	
6127	12990	81361		22.8	+16	48	6.3	.089	gG9	+ 11.7	b	6	WV	*
6128	12992	81420		22.9	-04	54	5.8	.019	gK5	+ 5.3	b	4	W	
6129	13010	81567		23.8	-01	15	6.1	.007	gK3	- 14.8	b	3	W	
6130	13013	81540		23.9	+16	55	7.9	.014	gM2	+ 67.0	b	3	W	
6131	3° 2204	81548		23.9	+02	43	8.1	.054	dF7	+ 20.8	b	4	L	
6132	13020	81595		24.2	+14	31	7.1	.060	K3	+ 54	d	1	V	
6133	29° 1903	81594		24.4	+29	28	8.9	.012	gK3	+ 3.2	b	3	W	
6134	13035	81848		24.7	-53	10	5.2	.015	B5n	+ 22	d	7	L	SB (78)
6135	13043	81799		25.0	-22	07	4.9	.244	gK3	+ 28.7	a	6	L	
6136	a Hya	81797		25.1	-08	26	2.2	.034	gK5	- 4.3	a	75	5	*
6137	13048	81809		25.3	-05	51	5.4	.238	dG1	+ 53.6	a	11	3	*
6138	13051	81688		25.4	+45	49	5.6	.131	gG5	+ 38.5	b	8	WV	*
6139	13052	817G4		25.4	+45	48	8.1	.053	gGO	+ 8.8	b	4	LW	*
6140	13061	81702		25.8	+56	28	6.9	.185	F2	- 2.3	b	6	D	*
6141	a) Leo	81858		25.8	+09	17	5.5	.054	dF8	- 5.7	a	22	YW	*
6142	13063	81873		25.8	+08	24	5.9	.050	gKO	+ 22.2	b	5	W	
6143	t Cha	82554		25.9	-80	34	5.4	.186	F2p	+ 7	c	4	L	
6144	13073	81790		26.2	+55	58	6.5	.139	F2	+ 10.1	b	4	D	
6145	13080	81997		26.6	-02	33	4.8	.128	dF4	+ 9.8	a	6	L	
6146	13082	82350		26.6	-71	23	5.5	.121	K3	+ 2.6	b	7	LC	SB *
6147	13088	82077		26.9	-20	32	6.0	.030	gM1	- 8	c	4	W	SB
6148	34° 1998	81964		26.9	+33	47	7.8	.009	gK3	- 58.0	b	3	W	
6149	33° 1870	81976		27.0	+33	32	8.1	• * .	dA7	+ 17	d	3	W	SB (122) 2-sp
6150	€ Ant	82150		27.2	-35	44	4.6	.028	M0	+ 22.2	a	14	CL	*

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'			km/sec						
6151	31° 1992	82010	9	27.2	+31	32	7.6	0.029	B9	+ 32	c	6	D	SB (64)	
6152	45° 1726	81995		27.3	+44	59	7.1	.064	A5	+ 16	d	5	D		
6153	CC 529	82106		27.3	+05	52	Y.6	.525	dK5	+ 26.7	b	3	W		
6154	13109	81937		27.6	+63	17	3.8	.112	A4n	- 9.5	b	19	4		*
6155	13110	82205		27.7	-26	22	5.7	.024	gK3	+ 11.8	b	4	W		
6156	13112	82087		27.7	+33	53	6.0	.053	gG8	+• 1.7	a	12	VW	*	
6157	13122	82232		28.0	-15	21	6.1	.094	gK3	+ 23.9	b	3	W	SB (64)	
6158	3° 2698	82229		28.2	-03	51	7.3	.009	K2	+ 28	e	1	V		
6159	13128	82191		28.4	+27	36	6.6	.045	A0	0	c	6	D		
6160	13129	82419		28.4	-51	18	5.6	.012	B5	+• 10	c	2	L		
6161	13133	82198		28.5	+35	20	5.5	.123	gM1	+ 38.0	b	3	W		
6162	^ Vel	82434		28.7	-40	15	3.6	.204	dA7n	+ 12.0	b	7	LW	*	
6163	2° 2214	82333		28.8	+02	30	7.7	.011	gG5	+ 13	c	3	L	*	
6164	X Leo	82308		28.9	+23	11	4.5	.050	gK5	+ 26.7	b	12	3		
6165	CC 532	.....		28.9	+36	33	10.2	.55	dM2	+ 22	c	4	W	
6166	CC 533	.....		28.9	-13	16	10.2	.76	dM2	+ 8	c	0	Md	
6167	13144	82309		28.9	+20	14	7.4	.138	gK3	- 11	c	3	W	SB (26)	
6168	20° 2334	82372		29.2	+20	16	8.3	.015	dA9	+ 8.3	b	3	W		
6169	13148	82428		29.2	-10	20	6.1	.027	gA8	- 18	c	4	W		
6170	| Leo	82395		29.3	+11	31	5.1	.129	gK1	+ 29.4	a	7	LW		
6171	13150	82381		29.3	+09	56	5.3	.017	gK4	+ 18.6	b	14	3		SB *
6172	48° 1780	82287		29.3	+48	23	7.9	.033	dA8n	- 14	c	5	W	*	
6173	13153	82446		29.4	-00	58	4.5	.020	A3	+ 5.6	a	53	4		
6174	22° 2102	82394		29.4	+22	05	7.5	.001	cG7	- 4	c	3	L	*	
6175	8 UMa	82328		29.5	+51	54	3.3	1.094	dF4	+ 15.4	a	27	5		
6176	13160	82668		29.7	-56	49	3.0	0.036	K5	- 13.9	a	17	LC		
6177	13162	82380		29.8	+49	40	6.5	.023	A3	- 10	c	5	V		
6178	13163	82443		29.8	+27	13	7.1	.278	dG9	+ 13.8	b	3	W		
6179	13171	82210		30.1	+70	03	4.6	.096	dF9	- 27.2	a	9	LV	*	
6180	13172	82543		30.1	+02	05	6.2	.042	F5	+ 27.6	b	4	S		
6181	S Ant	82610		30.1	-28	24	6.4v	.081	A8+A8	- 5.0	b	19	W	EB 0.65 *	
6182	13174	81817		30.1	+81	33	4.6	.027	gK5	- 5.1	b	8	LW	*	
6183	13178	82189		30.2	+72	26	5.8	.110	dF6	- 38.2	b	7	DW	*	
6184	13180	82694		30.3	-40	26	5.4	•018	KG	- 0.7	b	7	LC	*	
6185	13182	82523		30.4	+28	35	6.4	.062	A2	+ 26	c	9	V		
6186	13183	82522		30.4	+36	43	6A	.053	gK4	- 17.0	b	3	W	RV 103.2 *	
0187	AB Leo	* » ••		30.6	+20	05	<u>10.3v</u>	.....	cGOev	+180	b	12	W	
8188	13191	82734		30.9	-20	54	5.2	.034	sgKO	+ 13.3	a	7	LC		
6189	R Car	82901		31.0	-62	34	<u>5.6v</u>	•036	gM5e	+ 28.1	a	18	L		Em +16 *
8190	13194	82582		31.1	+47	08	6.4	.065	A5	+ 10.8	b	4	V		
6191	13199	82670		31.1	+23	41	6.4	.105	gK7	- 6.2	b	4	D	*	
6192	13203	82635		31.2	+36	37	4.6	.029	gG6	- 11.7	a	11	3		
6193	13212	82021		31.4	+52	17	4.6	.076	A0	+ 23.1	b	18	5		
6194	13219	82984		31.9	-48	47	5.4	•022	B3n	+ 27.4	b	4	Lu		
0195	13221	82741		32.0	+39	51	5.0	•025	gG8	- 11.9	a	8	LW		
6198	13225	82819		32.0	+08	25	8.1	.018	gM3	+ 45.7	b	3	W	SB (151)	
6197	13226	B28TO		32.0	-05	41	5.7	.057	gK1	+ 12.6	b	4	W		
8198	13227	B278Q		32.3	+40	11	6.6	.016	F2	- 42	d	4	D		
6189	13234	83058		32.4	-51	02	5.2	.026	B3n	+ 35	e	3	1^a		SB (154)
8200	1 ^c 2666	82957		32.5	-04	40	7.4	.020	gG8	0	c	2	L		

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	o	′			km/sec						
6201		13242	82885	9	32.7	+36	02	5.5	0.748	dKO	+ 13.4	a	7	3	*
6202		13246	83183		33.0	-59	00	4.2	.014	B7	+ 22.1	b	5	L	
6203	X	Hya	83048		33.1	-14	28	7.2v	.115	gM7e	+ 42	d	1	W	Em +29 c 2 *
6204		13250	83023		33.2	+14	36	6.2	.039	AIn	+ 23.6	b	10	V	
6205		13252	82685		33.2	+73	18	6.8	.051	FOn	0.0	b	4	D	
6206		13265	83069		33.8	+31	23	5.7	.043	gM2	- 20.3	b	9	VW	*
6207	UU	Hya	.....		33.9	+04	20	10.7v	.....	A5	+312	d	2	WMd	RR 0.52 *
6208	Y	Leo	.....		34.0	+26	27	9.7v	.032	A3+G6	+ 10	b	34	Md	EA 1.69 *
6209		13277	83189		34.3	+16	40	5.9	.015	gK1	+ 5.9	b	3	W	
6210		13283	83240		34.6	+07	04	5.1	.060	gG9	+ 20.3	b	9	LW	SB *
6211	VV	UMa	.....		34.6	+56	14	10.lv	.....	A0	- 13	b	29	Md	EA 0.69 *
6212		13287	83332		34.8	-25	04	5.9	.074	gK1	+ 30.0	b	3	W	
6213		13291	83273		35.0	+24	54	6.6	.103	dF8	+ 31.4	b	9	VW	*
6214		13293	83446		35.0	-49	08	4.5	.113	A5	+ 21	c	5	L	
6215		13301	83287		35.2	+40	28	5.2	.016	dA6n	- 2.6	b	14	4	*
6216		13303	83343		35.3	+14	34	6.6	.115	dF2	+ 23.0	b	10	VW	*
6217		13304	83126		35.4	+67	30	6.3	.046	K6	+ 19.0	b	4	D	
6218		13305	83205		35.4	+58	46	7.5	.031	gM2	+ 19.5	b	3	W	
6219	?	Cha	83979		35.4	-80	43	5.2	.030	B3	- 52	d	3	L	SB
6220		13309	83520		35.5	-53	27	5.5	.063	A2	- 13.3	b	3	L	
6221		13316	83425		35.8	+04	53	4.8	.173	gK3	+ 45.2	a	11	4	*
6222		13317	83395		35.9	+30	23	8.0	.025	gG6	+ 13	c	2	L	
6223		13319	83548		36.1	-42	58	5.5	.046	G6	+ 3.1	a	7	LC	*
6224		13321	83186		36.1	+71	59	7.8	.241	dF5	- 27	c	5	W	
6225		13322	83434		36.1	+20	31	6.8	.026	B9	+ 31	c	5	S	
6226	42°	2032	83423		36.4	+42	31	8.0	.007	dF8	- 6	c	2	L	
6227	Y	Dra	83114		36.9	+78	05	7.8v	.035	gM5e	+ 23	b	3	W	Em +10.3 *
6228	78°	315	83140		37.0	+77	47	8.3	.....	sgF3	- 7	c	2	L	
6229	i	Hya	83618		37.3	-00	55	4.1	.083	gK3	+ 23.2	a	13	4	*
6230	II	2501	83822		37.3	-59	52	10	.....	P	+ 32.7	b	3	L	Em PI. neb.
6231	33°	1895	83630		37.8	+33	13	7.8	.040	dA8	+ 24.5	b	4	W	
6232		13352	83683		37.9	+13	17	6.8	.130	F4	- 22.2	b	3	S	
6233	tc	Hya	83754		37.9	-14	06	5.0	.036	B3	+ 18	c	15	3	*
6234		13355	83944		38.0	-61	06	4.7	.043	B9	+ 24.4	b	8	L	
6235		13358	83489		38.0	+69	28	5.7	.099	gG9	- 8.6	b	3	W	
6236	Ross	889	.....		38.2	+01	15	11.0	.54	sdA7p	- 59	c	7	WMd	pr SB- (83) *
6237	1°	2341	83769		38.2	+01	15	10.2	.....	sdF5	- 19	c	2	Md	fo
6238		13361	83698		38.3	+39	11	7.3	.1*64	dG2	+ 5.0	b	3	W	
6239		13364	835D6		38.4	+72	29	5.4	.041	gG7	- 17.3	a	6	LW	*
6240	o	Leo	83808		38.5	+10	07	3.8	.148	cF5	+ 27.0	a	41	L	Orb. *
6241	CC	540	.....		38.5	+13	26	10.6	.77	dM2	+ 19	c	3	W	
6242		13369	83787		38.6	+31	30	6.1	.032	gK6	- 13	c	4	V	
6243		13370	83821		38.8	+26	08	6.4	.040	gK2	- 26.2	b	3	W	
6244		13372	83805		38.9	+39	59	5.5	.069	gG6	+ 29.5	b	6	LW	*
6245		13373	83953		39.0	-23	22	4.7	.031	B3ne	+ 25.9	b	8	L	
6240		13376	84121		39.2	-57	45	5.4	.034	A2	+ 7	d	5	L	SB (46)
6247	51*	1536	83839		39.4	+51	30	7.3	.011	gM2	- 11	c	2	L	
6248		13379	83860		39.4	+48	40	6.3	.032	A0	- 12	c	6	V	SB 2-sp
6249		13386	8S886		30.7	+54	36	6.3	.055	A2	+ 20.6	b	3	V	
6250		13388	83951		39.7	+35	19	6.0	.057	dF1	- 7.8	b	8	DW	*

Cat. No.	Star	BLD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
6251	13389	84005	h	xn	o	/			km/sec					
6252	13392	83550	9	39.8	+30	20	6.7	0.026	A5n	+ 1	c	6	D	
6253	13393	84004		39.9	+78	22	6.4	.006	K1	- 27.3	b	4	D	
6254	13394	84117		40.0	+32	30	7.2	.047	F2	+ 5	c	6	D	
6255	W UMa	83950		40.0	-23	41	5.0	.474	dF7	+ 34.0	a	9	3	* F8p+F8p *
6256		84035		\0.3	+56	11	8.3v	.048	*	- 46	c	83	MdW	
6257	13402	84107		40.3	+42	56	8.1	.832	dK6	- 13.4	b	3	W	
6258	13406	83962		40.6	+30	12	5.7	.113	A2	+ 15.6	b	6	D	
6259	13408	84184		40.7	+65	13	6.2	.051	F2	- 28	c	3	V	
6260	13411	84182		40.9	+02	51	7.3	.033	gF7	- 2.6	b	4	W	
6261	13412	84123		40.9	+13	40	7.2	.085	K0	- 29	d	1	V	
6262	13413	84123		41.0	+42	17	6.8	.104	dFOp	+ 16.3	b	7	D	
6263	^ Leo	84194		41.0	+14	15	5.6	.005	gM2	+ 7.7	b	4	W	
6264	13419	83727		41.5	+79	22	6.1	.041	A3n	- 6.5	b	3	W	
6265	0 13422	84252		41.7	+19	06	6.6	.060	K0	- 0.6	b	4	D	
6266	Ant	84367		42.0	-27	32	5.0	.061	dF7	+ 24.0	a	5	L	
6267	13426	84461		42.0	-53	40	5.7	.074	A0	+ 6	d	2	L	
6268	13429	84179		42.1	+63	53	6.5	.049	dA8n	- 27	c	13	W	
6269	R 13430	84165		42.1	+65	51	7.2	.031	gM1	- 34	c	5	LW	
6270	CC 547	84346	.....	42.6	+34	45	6.0v	.004	gM8e	+ 10	c	2	W
6271	RR Hya	84474		42.6	-45	32	9.9	.78	M2	+ 60	d	1	Md	
6272	7° 2882	84487		42.7	-23	47	8.4v	.....	gM4e	+ 47	b	3	W
6273	13442	84335		43.0	-08	15	7.3	.047	K0	+ 14	d	1	V	
6274	€ Leo	84441		43.0	+57	22	5.4	.028	gM3	+ 8.0	a	6	LW	
6275	VX Hya	.....		43.0	+24	00	3.1	.048	cG3	+ 5.0	a	71	9
6276	13451	84453		43.3	-11	46	9.9v	.....	.....	- 15	d	1	W
6277	13452	84542		43.5	+45	21	6.8	.149	sgKO	- 43.7	b	9	VW	
6278	13454	84561		43.5	+06	56	6.0	.034	gM1	+ 2.5	b	9	VW	
6279	13457	84406		43.7	+12	02	5.9	.021	gK4	+ 30	c	3	W	
6280	13459	84607		43.7	+63	29	6.9	.185	sgKO	+ 7.9	b	3	W	
6281	13° 2946	84636		43.8	+02	01	5.7	.074	gFO	+ 15	c	9	WS	
6282	1 Car	84810		43.8	-14	22	8.0	.044	gK2	+ 22.2	b	3	W	
6283	13466	84606		43.9	-62	17	3.6v	.016	cGO	+ 4.0	a	60	L	
6284	C 1161	.....		44.0	+18	21	7.9	.082	sgGO	+ 19	c	2	L
6285	13481	84816		44.0	-14	18	9.2	.318	dG4	- 4.2	b	3	W	
6286	12° 2093	.....		44.6	-44	31	5.7	.013	B5	- 8	d	5	L
6287	13485	84722		44.6	+11	40	9.4	...	gK4	+ 96.8	h	3	W	
6288	R Leo	84748		44.7	+11	48	6.4	*.054	A3n	- 3.7	u	9	VW	
6289	43° 1962	84660		44.9	+11	40	4.4v	.047	gM8e	+ 13.4	b	48	4	
6290	13492	84739		44.9	+42	40	8.1	.015	gF1	+ 9	a	2	L	
6291	15497	84737		44.9	+20	50	7.8	.079	dF2	- 15.4	b	3	W	
6292	T LMi	.....		45.4	+46	15	5.2	.245	dGO	+ 5.2	a	15	3
6293	l/ Car	85123		45.5	+34	31	10.2v	...	A0	+ 5	h	10	MdL	
6294	13512	84937		45.9	-64	50	3.2	*.012	FO	+ 13.6	u	13	LC	
0295	y Cha	85396		46.2	+13	59	8.1	.872	sdA4p	- 17.6	a	6	WMd	
6296	44" 1910	.....		46.4	-76	33	5.4	*.117	G4	+ 10.5	a	7	LC
0297	13519	84812		46.4	+44	32	10.0	.179	sdA8	- 8fi	h	2	UM	
62i8	13523	85055		46.5	+65	50	6.3	.062	FOa	- 7	c	4	D	
6290	13528	85040		46.8	-08	36	7.0	.050	K2	+ 17	d	1	V	
83D0	13532	350S1		47.0	+21	25	6.0	.048	gFO	+ 26	c	19	3	
				47.1	+11	20	7.5	*.311	dGO	+ 40	d	4	W	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
6301	13533	85029	9	47.2	+39	52	6.8	0.002	gM2	+ 8.9	b	4	W	
6302	V UMa	84999		47.5	+59	17	3.9	.332	A6n	+ 30.7	b	13	3	*
6303	.....	85066		47.8	+52	53	9.7	.....	R3	- 24	c	2	W	
6304	13544	85162		47.8	+31	38	7.3	.018	gM2	- 33.9	b	4	WL	*
6305	13545	85217		47.9	+04	35	6.2	.159	dF6	+ 17.4	a	70	YS	Orb. *
6306	18° 2276	85198		48.0	+17	58	7.9	.057	dF6	+ 24	c	2	L	
6307	13547	85355		48.0	-45	30	5.3	.032	B8	+ 12	c	5	L	
6308	13554	85268		48.3	+13	18	6.7	.031	gMO	- 9.2	b	3	W	
6309	W Sex	85319		48.4	-01	48	<u>10.3</u> _v	.007	N	+ 59	b	3	W	SR
6310	13557	.....		48.7	-12	04	10.0	1.791	dM2	+ 61	c	4	W	
6311	13558	85364		48.7	-04	00	6.0	0.033	gA5n	- 10	c	5	W	
6312	<f> UMa	85235		48.7	+54	18	4.5	.014	A3	- 11.9	a	16	5	*
6313	Y Hya	85405		48.8	-22	47	6.9 _v	.018	N	+ 3	b	5	WL	SR 95 *
6314	15° 2918	85431		49.0	-16	19	8.2	.075	dF6	+ 20.2	b	3	L	
6315	13569	85376		49.0	+24	38	5.3	.184	A5	- 1.8	a	19	3	*
6316	V Hya	85444		49.1	-14	37	4.3	.035	gG6	- 14.5	a	6	L	
6317	13572	85461		49.2	-11	06	6.8	.040	gM2	+ 12.5	b	3	W	
6318	Z Leo	.....		49.3	+24	09	8.6 _v	.008	gM3	- 17	c	7	W	SR 56.8
6319	13573	85373		49.3	+38	09	6.7	.058	A3n	+ 13	c	5	VW	SB (28) *
6320	13578	85656		49.5	-62	SI	5.6	.005	K0	+ 12	c	2	L	
6321	13579	85441		49.6	+27	13	8.1	.220	dKO	- 12.1	b	3	W	
6322	13582	85504		49.6	+02	41	5.9	.203	A1	+ 97.1	b	6	WV	*
6323	13583	85505		49.6	+00	19	6.3	.048	G5	+ 19.1	b	4	D	
6324	1358T	85622		49.7	-46	19	4.6	.016	G5	+ 10.8	a	56	C	Orb. *
6325	fi Leo	85503		49.9	+26	15	4.1	.226	gK3	+ 13.8	a	13	4	*
6326	y Sex	85558		50.0	-07	52	5.2	.072	AOn	+ 12	c	15*	4	*
6327	13599	85725		50.7	-27	06	6.3	.299	dG1	+ 23	d	2	Md	
6328	S LMi	85597		50.8	+35	10	7.7 _v	***	gM4e	- 2	d	1	W	Em -13 c 2 *
6329	T Sex	85675		50.9	+02	18	9.9 _v	.....	A2	+ 10	d	2	W	RR 0.32
6330	13607	85515		51.0	+65	29	9.1	.188	dG5	- 17.2	b	4	W	
6331	13608	85709		51.1	+06	12	6.3	.014	gM2	- 1.2	b	6	DW	*
6332	13613	85583		51.4	+61	21	6.4	.007	KG	- 10.7	b	4	D	
6333	13617	85762		51.5	+05	11	7.0	.032	gMO	+ 27.2	b	3	W	
6334	13627	85859		51.9	-25	42	5.0	.195	gK3	+ 50.5	a	12	CL	*
6335	13629	85953		52.0	-50	55	6.0	.018	B3	+ 7.6	b	4	L	
6336	13637	85980		52.3	-45	03	5.8	.029	B5n	+ 26	c	3	L	
6337	+0° 2582	85904		52.4	+00	03	8.1	.005	gM4	+ 30	c	4	W	SB (24)
6338	13643	85795		52.5	+50	03	5.3	*017	A2	- 5.9	b	9	3	*
6339	CC 553	.....		52.5	+63	02	9.1	.69	dM1	+ 10.6	b	3	W	
6340	13644	85951		52.5	-18	46	5.2	.061	gM1	+ 50	c	9	3	SB *
6341	-0° 2270	85990		53.0	-00	53	8.1	.072	gKO	+ LI	b	3	W	
6342	13659	85876		58.1	+54	29	6.8	.046	gM2	- 31.6	b	3	W	
6343	30° 1933	85958		53.2	+30	01	8.1	.008	dF5	- 14	c	3	L	
6344	X Vel	86111		53.4	-41	21	<u>9.5</u> _v	.045	N	- 7	d	1	W	Irr
6345	13673	86012		53.6	+32	37	6.6	.048	dF3	+ 8.2	b	9	VW	*
6346	13674	86082		53.6	-07	24	7.0	.030	K4	- 29	3	1	V	
6347	13677	85945		53.8	+57	39	6.0	.072	gG5	- 44.1	b	12	WV	*
6348	13679	86080		53.8	+09	10	5.9	.090	gK2	+ 9.0	b	3	W	
6349	13684	85841		54.0	+73	07	6.0	.088	gK3	+ 3.6	b	7	WV	#
6350	+0° 2588	86135		54.1	-00	13	8.3	.016	gK5	- 6.9	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
6351	A 7589A	86133	9	54.3	+20	00	7.7	0.231	dF8	+ 27.7	b	3	W	
6352	A 7589B	.....		54.3	+20	00	9.2	.221	dG3	+ 29.2	b	3	W	
6353	13698	86352		54.5	-51	06	6.5	.017	B3	+ 9.0	b	3	L	
6354	13700	86146		54.6	+41	18	5.2	.121	dF5	- 9.8	a	36	V	Orb. Harper
6355	13704	86166		54.8	+45	39	6.5	.038	K0	+ 5.1	b	6	D	
6356	* Vel	86440		55.1	-54	20	3.7	.014	B7	+ 14.1	a	9	L	
6357	13716	86606		55.3	-71	09	6.4	.013	B1	- 30	c	3	L	
6358	13718	86466		55.4	-52	24	6.2	.017	B3	+ 17	c	3	L	
6359	20° 3059	86391		55.4	-20	57	7.8	.044	gG7	0	c	2	L	
6360	13720	86359		55.5	+15	28	7.6	.044	sgG7	+ 17.2	b	3	W	
6361	13721	86369		55.5	+08	33	6.3	.030	gK3	- 18.5	b	9	VW	*
6362	v Leo	86360		55.5	+12	41	5.2	.033	A0	+ 19	c	16	3	SB (56) *
6363	13725	86358		55.6	+28	00	6.4	.121	F0	+ 36	c	4	S	SB 2-sp
6364	13729	86659		55.9	-68	52	6.3	.022	B5	+ 20	c	3	L	
6365	13732	86335		56.2	+56	43	7.3	.012	gKO	+ 13.3	b	3	W	
6366	13733	86476		56.2	+05	03	7.3	.032	gM4	- 29	c	5	WL	*
6367	13735	86378		56.4	+57	03	5.7	.046	gK5	- 13.2	a	14	VW	*
6368	13737	86564		56.5	-29	04	7.1	.011	gG5	- 22	d	1	W	
6369	7] Ant	86629		56.7	-35	39	5.2	.098	F0	+ 30	c	4	LC	*
6370	13742	86513		56.7	+29	53	5.9	.097	gG9	- 0.6	b	3	W	
6371	13746	86611		57.1	+03	»37	6.6	.072	A5	- 4	d	6	V	SB (68)
6372	13748	86590		57.2	+24	48	7.9	.242	dG5	0	d	4	W	SB (122)
6373	V Leo	86608		57.3	+21	30	7.9v	.018	gM5e	- 23	c	2	W	Em -31 *
6374	13749	86322		57.4	+75	00	7.1	.070	gKO	+ 6.4	b	5	W	
6375	ir Leo	86663		57.6	+08	17	4.9	.042	gM2	+ 23.4	a	6	LV	*
6376	13763	86728		58.1	+32	10	5.6	.679	dG4	+ 56.0	b	5	VW	*
6377	13765	86661		58.3	+55	50	8.3	.495	dKO	+ 23.4	b	4	W	
6378	13787	86871		59/6	+50	07	7.5	.042	gG5	- 11	c	2	L	
6379	13790	86986		59.8	+14	48	7.9	.266	A2	+ 12.6	b	3	W	
6380	13792	87152		59.9	-53	07	6.5	.048	B5n	+ 12	c	3	L	
6381	13796	87015	10	00.0	+22	11	5.6	.023	B3	+ 3	c	9	V	IS + 3.2 b *
6382	13798	87096		00.1	-13	03	7.0	.138	dF9	+ 16	c	4	W	SB (24)
6383	13802	86839		00.3	+71	07	8.3	.225	dG2	- 37.7	b	3	W	
6384	43° 1988	87209		00.5	+42	38	8.1	.111	dF6	+ 24	c	2	L	
6385	8° 2833	87161		00.6	-08	39	8.0	.032	sgG2	+ 1.2	b	3	L	
6386	13814	86321		00.9	+84	10	6.5	.006	K6	- 12.0	b	4	D	
6387	13816	87127		00.9	+38	16	6.8	.153	dF7	+ 30.7	b	7	VW	*
6388	13819	87213		01.0	+04	13	7.4	.027	G5	+ 6	d	1	V	
8380	13827	87141		01.3	+54	08	5.7	.026	dF4	- 18.1	b	3	W	
6390	13836	87301		01.6	+03	27	6A	.126	dF3	0	c	8	VW	SB *
6391	RY Leo	.....		01.6	+14	14	9.0v	.....	gM3e	+ 22	d	3	W	SR 155
6392	13842	87243		01.9	+52	37	0.2	.028	A2	- 25	c	13	V	
6393	13848	87427		02.0	-24	03	5.8	.099	dA8n	+ 4	c	4	W	
6394	/i Cha	87971		02.1	-81	58	5.6	.037	A0	+ 16	e	2	L	SB 2-sp
6395	13861	87504		02.7	-12	49	4.7	.039	B8	+ 28	c	16	3	SB 2-sp *
6396	13882	37443		02.8	+31	20	7.9	.036	dA9n	+ 21.0	b	3	W	
8397	13867	37500		03.0	+16	00	6.3	.082	FOn	+ 12	c	4	D	
6398	EX LMi	.....		03.1	+39	36	11.0v	.019	.....	+ 40	d	1	w.	RR 0.08
6399	13384	87431		01.7	+61	10	7.4	.027	gK5	+ 33.1	b	3	L	
6400	18* 2317	87846		03.9	+18	08	7.0	.065	sgG1	+ 21	c	3	L	

Cat. No.	Star	E.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.								
			h	m	°	'	//	km/sec				
6401	38° 2103	87621	10 04.0	+38 16	8.2	0.08	dF3	- 26	c	2	L	
6402	13888	87682	04.2	+05 51	6.3	.040	gG6	+ 16.7	b	5	W	
6403	13890	87783	04.2	-47 08	5.2	.063	G6	+ 20.2	b	8	LC	*
6404	13896	87696	04.5	+35 29	4.5	.053	A5n	- 17.8	b	21	5	*
6405	r\ Leo	87737	04.6	+17 00	3.6	.008	cAO	+ 2.9	a	61	5	*
6406	13901	87598	04.7	+68 41	9.0	.307	dKO	+ 31.9	b	3	W	
6407	13902	87808	04.8	-16 54	5.9	.054	gK5	+ 10.9	b	3	W	
6408	NGC 3132	87877	04.9	-40 12	...	....	P	- 8	c	3	L	Em PI neb.
6409	RR Leo	.....	04.9	+24 14	<u>10.6v</u>	.008	A7v	+ 65	c	6	W	RR 0.45 *
6410	13908	87806	05.0	+01 10	7.0	.021	gM2	- 29.7	b	3	W	
6411	13910	87870	05.2	-22 15	7.3	.018	gM4	+ 30	c	2	W	
6412	13911	87837	05.3	+10 15	4.6	.104	gK5	+ 41.1	a	9	LB	*
6413	13912	87855	05.3	-07 23	6.9	.047	gM2	+ 32.0	b	3	W	
6414	13916	87887	05.4	-00 08	4.5	.021	A0	+ 7.1	a	32	5	*
6415	13917	87822	05.4	+31 51	6.2	.120	F5	- 8.0	b	4	V	
6416	A 7654B	87884	05.6	+12 15	7.6	.235	dK1	+ 0.6	b	3	W	
6417	OL Leo	87901	05.7	+12 13	1.3	.248	B6n	+ 3.5	b	32	3	A 7654A *
6418	51° 1577	87852	05.9	+51 05	7.6	.016	A2	- 11	d	4	W	SB (42)
6419	13929	87998	06.0	-19 30	7.2	.347	dF8	+ 12.4	b	3	W	
6420	75° 403	.....	<u>06.3</u>	+75 22	<u>9.3</u>	<u>.39</u>	<u>dK6</u>	- 47	c	5	W	
6421	13936	87955	06.3	+38 41	8.0	.041	gM2	- 32.0	b	3	W	
6422	83° 280	87386	06.5	+82 38	7.6	.....	gKO	- 35	c	3	L	
6423	13941	88021	06.6	+20 35	6.6	.036	gF5+A2	+ 9.7	b	4	W	
6424	13943	88048	06.6	+06 25	6.8	.018	gK4	+ 26.3	b	6	W	
6425	13949	88071	06.9	+09 50	7.5	.040	gM3	+ 5.6	b	3	W	
6426	13951	88108	06.9	-13 07	7.3	.036	gM3	- 12.3	b	5	LW	*
6427	13953	88206	07.0	-51 34	5.1	.016	B5n	+ 23	c	5	L	
6428	13960	88323	07.3	-65 34	5.4	.077	G7	+ 0.3	a	7	LC	*
6429	13961	88218	07.4	-35 37	6.3	.437	dF9	+ 40.9	b	3	W	
6430	13970	88215	07.7	-12 34	5.4	.173	A9n	+ 23	c	4	L	
6431	S Car	88366	07.8	-61 18	<u>6.9v</u>	.115	K9e	+288.8	b	10	L	Em +277.i *
6432	II 2553	88367	07.8	-62 22	.....	.....	P	+ 46	c	4	L	Em PL neb.
6433	13976	88161	08.0	+40 54	6.5	.017	gK3	+ 13.8	b	3	W	
6434	X Hya	88284	08.1	-12 06	3.8	.224	gG9	+ 19.4	a	39	CL	Orb. *
6435	13985	88231	08.3	+37 39	6.1	.043	gK3	+ 9.1	b	8	DW	*
6436	13987	88230	08.3	+49 42	6.8	1.464	dMO	- 27	c	5	WV	*
6437	13990	88333	08.4	-08 10	5.8	0.048	gK2	+ 0.2	b	4	W	
6438	13995	88372	08.8	-07 04	6.1	.012	AOn	+ 13	d	6	WV	SB (83) *
6439	13998	88419	08.9	-18 43	7.0	.095	gM3	+ 37	c	3	W	
6440	13999	88355	08.9	+13 36	6.4	.057	dF3	- 16.0	b	9	WV	*
6441	14001	88371	09.0	+24 00	8.6	.394	dG2	+ 83.2	b!	4	W	
6442	14008	88539	09.7	-35 05	7.0	.002	N	+ 4	c	3	W	
8443	14014	88476	09.9	+28 29	7.0	JQ38	G5	+ 4.9	b	4	W	
0444	14022	88547	10.2	+04 52	5.9	.053	gKO	+ 31.7	b	8	W	
8445	14025	88595	10.3	-18 54	6.4	*266	dF8	+ 34	e!	2	Md	
6446	42" 2100	88513	10.4	+42 08	8.2	.06	sgF3	• 8	c	3	L	
644?	CC 567	.....	10.5	+09 51	9.8	.63	dES	- 16.6	b	3	W	
\$448	14G3G	88512	10.6	+50 45	6.6	.018	dA8n	- 22	d	5	W	SB (116)
6449	CC 580	233710	10.7	+52 48	9.2	.75	dMO	* 24.8	b	6	W	
6450	51 ^e 1586	233720	10.7	+50 33	7.9	.040	gG8	* 9.4	b	4	W	

Cat. No.	Star	HLD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	//		km/sec					
6451	WZ Hya	.....	10	11.0	-12	54	9.5 _v	.....	+315	d	1	W	RR 0.54
6452	14037	88639		11.0	+27	23	6.1	0.016	+ 10	d	7	SW	SB *	
6453	14042	88742		11.2	-32	47	6.4	.368	+ 41.3	b	3	W		
6454	14043	88697		11.3	-07	08	7.3	.192	+ 14.6	b	3	W		
6455	14047	88824		11.4	-50	59	5.5	.055	+ 48.1	b	6	L		
6456	14049	88725		11.5	+03	24	7.7	.476	- 24.2	b	3	W		
6457	14053	88764		11.6	-07	45	7.1	.026	+ 9.3	b	4	W		
6458	U UMa	88651		11.7	+60	14	6.4	.016	- 21.1	b	4	D		
6459	14055	88907		11.7	-61	25	6.5	.016	+ 11	d	3	L		
6460	14056	88737		11.7	+21	25	6.1	.166	+ 16.8	b	9	3	*	
6461	14060	88806		11.8	-23	34	6.7	.022	- 6.2	b	3	W		
6462	14066	88981		12.1	-66	07	5.4	.035	- 15.2	b	3	L		
6463	14068	88786		12.2	+31	43	6.6	.037	+ 15.1	b	3	W		
6464	42° 2104	88785		12.4	+42	07	8.2	.067	+ 23	c	2	L		
6465	a) Car	89080		12.6	-69	47	3.6	.029	+ 4	c	6	L		
6466	14076	88955		12.6	-41	52	4.1	.155	+ 8	c	8	L	SB	
6467	.....	88627		12.7	+77	21	10.0	.....	- 92	b	3	W	*
6468	14086	88960		13.4	+29	34	5.4	.079	+ 16.4	b	17	3	*	
6469	14087	89104		13.4	-54	43	6.5	.018	+ 8	d	3	L	*	
6470	14090	88987		13.5	+17	59	6.6	.007	- 8	c	6	VW	*	
6471	14091	88986		13.6	+28	56	6.5	.109	+ 30.4	b	9	VW	*	
6472	14096	89010		13.8	+23	45	5.9	.205	- 33	c	9	VW	*	
6473	14101	88815		13.9	+73	19	6.5	.101	+ 16	d	3	V	SB (41)	
6474	A 7705A	88849		13.9	+71	19	6.6	.062	+ 10.8	b	4	VW	*	
6475	A 7705B	88850		13.9	+71	18	7.2	.058	+ 13.6	b	4	VW	*	
6476	14106	89024		13.9	+25	37	6.0	.113	+ 33.9	b	5	W		
6477	70° 603	88865		13.9	+70	15	8.3	.....	+ 6	c	3	L	
6478	J Leo	89025		13.9	+23	40	3.6	.023	- 15.0	b	15	4	*	
6479	14110	89056		14.0	+13	59	5.7	.031	+ 2.5	b	3	W		
6480	A UMa	89021		14.1	+43	10	3.5	.170	+ 18.3	b	14	3	*	
6481	14118	89053		14.3	+41	43	6.9	.091	- 32.6	b	4	W		
6482	14123	88983		14.4	+65	22	5.7	.089	- 6	c	5	VW	*	
6483	14124	89125		14.5	+23	21	5.8	.422	+ 38.2	b	6	VW	*	
6484	73° 491	88998		15.1	+72	42	7.7	.....	+ 18.2	b	3	W	
6485	14129	89254		15.1	-07	49	5.4	.159	+ 15.2	b	12	3	*	
6486	14132	89239		15.4	+27	40	6.5	.043	+ 7	c	7	D		
8487	14133	89388		15.4	-61	05	3.4	.023	+ 8.6	a	12	LC	*	
8488	14134	89312		15.5	-20	47	7.4	.034	- 4	c	4	L	SB (25)	
0489	30° 1990	89276		15.8	+30	05	8.2	.054	- 13	d	2	L		
0490	14143	89269		15.8	+44	18	6.7	.307	- 8.3	b	11	VW	*	
6491	14144	89353		15.8	-28	44	5.6	.019	- 39	c	2	L		
S492	14145	89268		15.9	+47	01	6.5	.043	- 21.0	b	4	D		
§493	NGC 3211	89516		16.2	-62	24	.....	.....	- 16	c	5	L	Em PL, neb.
8494	14151	89344		16.2	+24	58	6.6	.047	0.0	b	4	D		
6495	14152	89363		16.2	+17	57	6.6	.053	+ 17	c	4	S		
8498	14154	89319		16.4	+48	39	6.2	.160	- 6.2	b	4	D		
6497	14156	89376		16*4	+20	49	9.3	.164	+ 23.1	b	4	W		
8498	15' 2188	89390		16.6	+14	55	8.5	.057	+ 53.7	b	3	W		
§493	AD Leo	.....		16.9	+20	07	9.4 _v	.491	+ 9.9	b	5	W	HV
6500	14170	89449		17.0	+19	44	5.0	.321	+ 6.9	a	22	5	*	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
6501		14172	89389	10 17.0	+54	02	6.4	0.093	F8	- 20.6	b	4	D	
6502	y	LeoA	89484	17.2	+20	06	2.6	.343	gK1	- 36.8	a	60	10	*
6503	y	LeoB	89485	17.2	+20	06	3.8	.358	gG5	- 36.4	a	26	4	*
6504		14180	89343	17.3	+69	00	5.8	.066	A1n	+ 3.9	b	4	W	
6505		14181	89414	17.3	+54	28	6.2	.038	gK3	+ 9.4	b	8	VW	*
6506		14185	89682	17.7	-54	47	4.6	.016	K0	+ 12.9	a	10	LC	*
6507		14191	89619	17.9	+06	41	8.4	.058	gF7	+ 2.3	b	4	W	
6508		14194	89572	18.1	+42	06	6.7	.004	A0	- 2	c	7	WV	*
6509	CC	575	89668	18.2	-01	13	9.4	.686	dMO	+ 35	c	4	W	
6510		14197	89736	18.2	-47	27	5.6	.019	K0	+ 16	d	1	L	
6511		14202	89707	18.4	-15	14	7.0	.357	dF5	+ 79	c	4	W	
6512		14204	89688	18.5	+02	33	6.5	.009	B3	+ 5	c	11	WV	IS +4.7 b *
6513	CC	576	89777	18.9	-16	48	9.1	.490	dK1	+ 45	c	3	W	
6514		14220	89890	19.0	-55	47	4.6	.016	B5e	+ 9.8	b	5	L	
6515		14224	89774	19.2	+15	14	6.1	.041	B9	+ 8.7	b	11	VW	*
6516		14225	89744	19.2	+41	29	5.9	.189	dF6	- 6.5	b	6	WV	*
6517	fi	UMa	89758	19.4	+41	45	3.2	.086	gK5	- 20.5	b	16	4	SB *
6518		14237	89813	19.5	+11	34	8.0	.335	dG6	- 16.8	b	3	W	
6519		14239	89884	19.6	-17	47	7.0	.034	B5ne	+ 22	c	6	L	
6520	19°	2986	89885	19.6	-20	19	7.2	.024	gK1	+ 18.9	b	3	L	
6521		14245	89906	20.1	+15	36	7.4	.289	dG2	+ 19.4	b	3	W	
6522		14248	89998	20.2	-41	24	5.0	.060	K1	+ 20.9	a	5	L	
6523		14249	89905	20.2	+31	05	7.6	.049	K0	+ 35	c	2	V	
6524		14251	89945	20.2	-09	09	7.2	.016	gM3	- 0.4	b	3	L	
6525		14252	89904	20.2	+34	10	5.8	.020	A1n	- 16	c	4	WV	*
6526	57°	1266	.....	20.3	+56	47	8.1	.195	dKO	+ 13	c	3	Md	
6527		14255	89962	20.4	+06	48	6.3	.106	gK3	- 24.1	b	7	W	
6528		14260	89822	20.6	+65	49	4.9	.025	A0	- 0.1	a	50	A	Orb. *
6529		14263	89995	20.6	+05	57	6.5	.252	F2	+ 29.8	b	4	S	
6530		14266	89993	20.9	+29	52	6.5	.017	G8	- 12.6	b	4	D	
6531		14267	90043	20.9	-00	39	6.6	.072	gKO	0	c	3	W	
6532		14268	90044	20.9	-03	49	6.1	.055	AOp	+ 23	c	4	V	
6533		14273	90009	21.0	+25	49	6.9	.067	K0	- 0.9	b	4	D	
6534		14280	90040	21.3	+33	58	5.8	.020	gK1	- 22.2	b	9	VW	*
6535		14281	90132	21.3	-37	45	5.4	.169	A3	+ 17	c	4	L	
6536		14283	90264	21.5	-66	39	5*3	.023	B8	+ 12	c	4	L	SB 2-sp
6537		14284	90068	21.5	+34	26	7.3	.035	gM5	+ 2.0	b	5	LW	*
6538		14286	.....	21.5	+41	15	8.8	.013	gK4	+ 28	c	4	W	
6539		14288	90125	21.6	+02	37	6.4	.044	K0	- 14.0	b	4	D	
6540		14292	90197	21.9	-24	21	7.0	.353	dGG	+ 58	c	4	W	
6541	31°	2136	90164	22.2	+30	37	7.8	.161	dFB	- 28	d	1	L	
6542	NGC	3242	90255	22.4	-18	23	7.9	.058	Pe	+ 4.7	a	19	L	fm PL neb.
6543		14301	90254	22.6	+09	02	5.9	.043	gM3	- 20.0	b	5	W	
6544	V	LMi	.....	22.6	+29	02	»	.016	A8	- 85	d	2	W	RR 0.54
6545		14305	89571	22.7	+84	30	I	.134	A2n	+ 3	c	6	VW	*
6546	A	7762A	90204	22.8	+52	53	7.9	.129	dF5	+ 14.7	b	4	W	
6547	A	7762B	.....	22.8	+52	53	8.4	...	dF8	+ 16.9	b	3	W	
6548		14312	90250	22.9	+35	41	6.6	*.129	gKO	+ 11.4	b	3	W	
6549		14314	90303	23.0	+09	02	7.7	.026	gA7	- 18.1	b	3	W	
6550		14315	90277	23.1	+34	03	I	.097	dF3	+ 13.4	a	15	4	*

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Ded.									
			h	m	°	'			km/sec					
6551	14321	90362	10	23.2	-06	48	5.8	0.185	gM1	+ 32.2	b	3	W	
6552	14323	90589		23.4	-73	47	4.1	.036	F5	- 4.2	b	14	CL	SB *
6553	μ Hya	90432		23.7	-16	35	4.1	.151	gK5	+ 39.6	a	7	LC	*
6554	14327	.....		23.7	+69	07	9.4	.169	dK4	- 53.5	b	3	W	
6555	14333	90473		24.1	-00	44	6.8	.050	gK3	+ 4.0	b	3	W	
6556	14336	90441		24.2	+29	56	7.8	.075	gF2	+ 13.3	b	4	W	
6557	14338	90485		24.3	-04	08	6.6	.048	gG7	+ 6.0	b	5	W	
6558	14340	90472		24.3	+19	37	6.3	.060	K0	+ 31.9	b	4	D	
6559	A 7778A	90483		24.4	+18	19	8.7	.169	dG7	+ 14.6	b	3	W	
6560	A 7778B	.....		24.4	+18	19	8.7	.158	dG8	+ 6	c	3	W	
6561	14346	90494		24.5	+20	04	8.9	.268	dG0	+ 4.4	b	3	W	
6562	14347	90470		24.5	+41	51	5.8	.100	AIn	+ 6.7	b	15	3	*
6563	a Ant	90610		24.9	-30	49	4.4	.077	M0	+ 13.3	b	9	LC	*
6564	14355	90572		24.9	+03	49	7.2	.111	sgKO	+ 45	c	5	W	
6565	14357	90508		25.0	+49	03	6.5	.896	dG2	- 6.6	b	7	VW	*
6566	$\&$ LMi	90537		25.0	+36	58	4.4	.163	gG8	+ 5.6	a	15	4	*
6567	14361	90569		25.0	+10	01	5.9	.007	A2	- 7	c	6	WV	*
6568	14367	90089		25.2	+82	49	5.3	.085	dF1	+ 7.0	b	8	LW	*
6569	14373	90772		25.5	-57	23	4.9	.014	cF1	- 1.2	b	4	L	
6570	14377	90602		25.6	+45	28	6.5	.039	K0	- 4.1	b	5	D	
6571	14378	90711		25.7	-06	20	7.8	.466	dKO	+ 28.2	b	5	W	
6572	14388	90853		26.0	-58	29	4.1	.019	F0	+ 9.3	a	14	LC	*
6573	14389	90718		26.1	+14	36	7.1	.079	gG5	+ 37.9	b	3	W	
6574	14393	90717		26.2	+29	59	6.7	.045	gK1	+ 2.1	b	3	W	
6575	14394	90633		26.4	+65	53	6.4	.035	gK2	- 24.9	b	9	VW	*
6576	CC 580	.....		26.4	+01	07	9.6	.96	dM2	+ 11	c	5	WMd	*
6577	30° 2022	.....		26.6	+29	55	8.5	.005	eKO	+ 105.2	b	4	W	
6578	δ Sex	90882		26.9	-02	29	5.2	.052	AOn	+ 19	c	18	3	*
6579	14404	90745		27.0	+64	31	6.0	.079	A3	- 12	c	4	V	
6580	14409	90861		27.1	+28	50	6.9	.015	K0	+ 38.6	b	4	D	
6581	14412	90905		27.1	+01	45	6.8	.198	F8	+ 1	d	3	S	SB (34)
6582	14416	90957		27.2	-29	24	5.8	.061	gK5	- 5	c	5	W	
6583	14417	90840		27.2	+39	11	5.9	.018	A2	+ 3	c	6	WV	*
6584	14419	91056		27.2	-63	55	5.2	.009	M1	- 3.0	b	4	L	
6585	14421	90972		27.3	-30	21	5.6	.035	AOn	+ 19	c	9	L	SB 2-sp
6586	56° 1458	.....		27.3	+56	15	9.0	.175	dK6	+ 12	d	2	Md	
6587	14427	90839		27.4	+56	14	4.8	.182	dF8	+ 9.2	a	6	LV	*
6588	14431	90994		27.7	-00	23	5.0	.047	B5	+ 11.6	b	14	3	*
6589	14434	91011		27.9	+02	24	7.1	.078	sgKO	- 0.7	b	3	W	
6590	14442	91106		28.5	-07	23	6.4	.042	gMO	+ 7	c	5	W	SB (29)
6591	CC 582	.....		28.5	+45	48	9.3	.84	dM1	+ 25	c	3	W	
6592	14444	91120		28.5	-13	20	5.5	.047	B9ne	+ 13	c	10	WY	SB (62) •
6593	14445	91272		28.6	-66	44	6.4	.024	B5	- 9	d	3	L	
6594	14455	91130		29.0	+32	38	5.8	.015	B9n	- 12	c	9	DW	*
6595	14457	91375		29.1	-71	44	4.9	.043	A2	+ 7.6	a	5	L	
6596	30° 2031	91163		29.2	+29	59	7.8	.091	dF8	- 20.4	b	3	W	
6597	14464	91324		29.4	-53	28	5.1	.466	dF0	+ 19.6	b	4	L	
6598	14466	91181		29.5	+44	26	7.3	.088	A5	- 1.4	b	6	D	
6599	14468	91232		29.5	+14	24	5.7	.044	gM2	+ 34.4	b	9	VW	*
6600	14476	91256		29.7	+04	54	7.2	.030	gG9	+ 7	c	5	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	"		km/sec					
6601	p	14480	91496	10 29.9	-72 58	4.9	0.014	M1	+ 11.2	a	5	L	IS -10.9 b *	
6602		Leo	91316	30.2	+09 34	3.8	.009	cBO	+ 42.0	a	146	6		L
6603		14489	91465	30.2	-61 26	3.6	.021	B5ne	+ 26.0	b	9	L		
6604		14490	91369	30.3	-16 42	7.6	.092	dGO	+ 12	c	5	W		
6605		14491	91312	30.3	+40 41	4.8	.136	A4n	+ 14	c	13	3		SB *
6606	14498	91311	30.6	+53 45	6.4	.056	A0	+ 2	c	3	V			
6607	14501	91365	30.7	+35 15	5.6	.032	B9n	+ 12	c	8	YW	*		
6608	14504	91347	30.8	+49 27	7.6	.291	dF8	- 25.2	b	3	W	*		
6609	14505	91504	30.8	-46 45	5.1	.017	K4	+ 4.2	a	6	LC	*		
6610	14507	91190	30.9	+75 58	5.0	.034	gG7	+ 16.6	a	8	LW	*		
6611	14509	91075	31.0	+80 45	6.6	.022	gG4	- 11.0	b	3	W			
6612	14522	91619	31.5	-57 56	6.2	.019	B8	+ 7	c	3	L			
6613	14524	91550	31.6	-23 29	5.3	.019	gK4	- 3.9	a	8	3	*		
6614	14527	91480	32.0	+57 20	5.2	.074	dA9	- 12.3	a	26	4	*		
6615	14530	91545	32.0	+28 13	6.8	.185	K0	- 30	c	2	S			
6616	14533	91612	32.2	+07 13	5.2	.120	gG6	+ 4.6	a	8	LW	*		
6617	S	Sex	91637	32.4	-00 05	8.6v	gM3e	- 5	b	4	W	Em -12.8 *	
6618	TX	Leo	91636	32.4	+08 55	5.7v	.057	A0	+ 16.7	a	53	Mi	EA 2.44 *	
6619	U	14546	91706	32.6	-22 55	6.2	.103	dF7	+ 12.1	b	4	W		
6620	U	Ant	91793	33.0	-39 18	5.7v	.032	N	+ 37	c	2	W	Irr 168?	
6621	L	14567	91752	33*5	+36 35	6.3	.057	dF3	- 23.7	b	4	W		
6622		1113-55	33.5	+05 22	12.2	.68	dM4e	+ 21	c	4	W		
6623		14569	91816	33.6	-11 39	7.9	.295	dK3	+ 3.5	b	3	W		
6624		14570	91942	33.7	-57 18	4.5	.021	M0	+ 9.9	a	16	CL	*	
6625		14571	91881	33.7	-26 25	6.2	.069	dF3	- 21	c	3	W		
6626	14578	91880	33.8	-16 05	6.2	.027	gM1	+ 15.7	b	9	W			
6627	14582	91889	34.0	-11 58	5.8	.722	dF5	- 8.5	b	3	W			
6628	14594	92063	34.5	-59 18	5.3	.084	sgKO	- 11.9	a	7	LC	*		
6629	14603	92036	34.9	-27 09	5.1	.105	gM2	+ 16.9	b	7	CL	*		
6630	y	Cha	92305	34.9	-78 21	4.1	.042	M0	- 22.4	a	12	LC	*	
6631	U	14609	92000	35.0	+34 20	6.6	.022	gK2	+ 12.6	a	86	WV	Orb. Cliristie	
6632		Hya	92055	35.1	-13 07	4.8v	.048	N	- 25.0	b	10	LW	Irr? *	
6633		14614	92139	35.2	-47 58	4.1	.154	FOp	+ 19.2	a	37	L	Orb. Sanford *	
6634		14622	92207	35.5	-58 28	5.6	.030	A2p	- 12	c	8	L	SB (48)	
6635		UV	Leo	92109	35.7	+14 32	8.5v	.013	GCHG2	- 50	c	18	Md	EA 0.60 *
6636	14624	92125	35.9	+32 14	4.8	.003	cG2	- 6.8	a	17	4	*		
6637	14625	92095	36.0	+53 56	5.7	.127	gK3	+ 45.4	a	10	VW	*		
6638	14626	92287	36.1	-57 00	6.4	.026	B3	+ 20	d	3	L	SB (82)		
6639	4	Hya	92214	36a	-16 37	5.1	.104	gKO	+ 17.9	b	17	3	*	
6840		14633	92196	36.2	+16 23	6.6	.062	dF2	- 12.7	b	3	W		
6641	14634	92168	36*3	+38 10	5.8	.224	dF8	+ 7	c	13	WV	SB (46) *		
6842	14647	92397	36.8	-58 55	4.8	.012	M1	+ 11.0	a	5	L			
6843	14655	92323	37*1	+09 06	7.9	.113	dF6	+ 14.3	b	3	W			
6644	14659	92278	37.2	+47 06	7.3	.064	A2	- 7.3	b	5	D			
8645	14662	92449	37.3	-55 21	4.4	.020	GO	+ 20.0	a	11	LC	*		
0646	A	7873A	92321	37.3	+38 40	8.0	.022	gK5	+ 25	c	3	W		
0647	A	7873B	37.3	+38 40	8.5	gK3	+ 26	e	4	W		
6648	14668	92371	37.6	+27 47	6.9	.010	AOn	0	c	14	DW	*		
6649	88°	60	00162	37.8	+88 07	8.7	dF8	- 23	d	4	W	SB (88)	
06513	UZ	Leo	37<9	+13 50	8.9Y	.041	+ 3	d	4	MdW	RR 0.31 *	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
6651	14682	92354	10	38.3	+68	42	5.9	0.041	gK3	+ 5.4	b	9	VW	*
6652	14685	92664		38.5	-64	50	5.8	.021	AOp	+ 29.7	b	3	L	
6653	12° 3237	92547		38.5	-12	52	8.1	.036	dF8	- 9	c	2	L	
6654	14688	92424		38.6	+65	59	5.1	.180	gK4	- 10.7	b	9	LW	SB *
6655	14694	92588		38.9	-01	29	6.4	.188	sgK1	+ 43.0	a	10	W	
6656	14698	92587		39.0	+14	14	7.9	.011	gM2	- 11.4	b	3	W	
6657	14707	92740		39.4	-59	25	6.5	.011	Ocp	+ 33	e	1	L	Em -50 d
6658	14708	92620		39.4	+31	58	6.3	.029	gM5	+ 15.5	a	10	VW	*
6659	14709	92538		39.4	+66	17	8.7	.197	dGO	+ 3.0	b	3	W	
6660	14713	92523		39.5	+69	20	5.2	.016	gK4	- 0.2	b	6	LW	*
6661	1° 2471	92706		39.8	+01	07	7.6	.026	gK2	+ 18.0	b	3	W	
6662	A 7894A	92668		39.8	+51	04	7.2	.017	dA7n	- 1.5	b	4	W	
6663	A 7894B	.....		39.8	+51	04	9.4	.....	dG6	- 3.1	b	3	W	
6664	14723	92749		40.0	+03	51	6.8	*.089	dF5	+ 18.8	b	3	W	
6665	14730	92769		40.3	+26	35	5.6	.125	A2	+ 16	c	2	y	
6666	14732	92845		40.4	-32	27	5.7	.022	A0	+ 4	e	1	L	
6667	14733	92938		40.5	-64	12	5.2	.022	B3	+ 24.2	b	3	L	
6668	14734	92844		40.5	-23	17	6.9	.005	gG3	- 12	c	4	W	SB (33)
6669	45° 1857	92764		40.5	+45	12	8.8	.025	dA5n	- 8	c	4	W	SB (38)
6670	14737	92787		40.6	+46	28	5.3	.285	dFO	+ 4.2	b	10	3	*
6671	14740	92825		40.7	+23	27	5.0	.116	A2	+ 19	c	11	3	*
6672	14743	92964		40.7	-58	57	5.4	.011	B1e	- 1.7	b	5	L	
6673	A 7902B	.....		40.7	+05	01	7.1	.059	gG7	- 2.0	b	8	VW	*
6674	A 7902A	92841		40.8	+05	01	6.2	.040	gK4	- 5.5	b	11	VW	SB *
6675	47° 1806	.....		41.0	+46	33	9.9	.147	dG1	- 15	c	3	W	
6676	14751	92855		41.1	+46	28	8.1	.286	dGO	+ 7	c	12	WL	SB (45) *
6677	R UMa	92763		41.1	+69	02	6.2v	.047	gM4e	+ 34	c	4	WMi	Em +25 *
6678	6 Car	93030		41.2	-64	08	3.0	.018	BO _n	+ 24	d	5	L	
6679	14758	93237		41.4	-79	31	6.2	.015	B7	0	c	3	L	
6680	14760	92941		41.6	+20	01	6.1	.118	A3	+ 8	c	7	V	
6681	33° 2022	92940		41.6	+32	53	7.6	.027	dA8	- 5.4	b	6	W	
6682	VY UMa	92839		41.6	+67	40	6.0v	.004	N	- 5	b	6	LW	Irr *
6683	14762	93070		41.6	-60	18	4.5	.028	M1	+ 9.3	b	10	LC	SB *
6684	W LMi	.....		41.9	+26	18	10.5v	.....	cK4ev	+ 70	b	13	W	RV 117 *
6685	14769	93163		42.1	-63	59	6.1	*.009	B5	+ 8	c	3	L	
6686	14778	93194		42.3	-63	42	5.1	.013	B3n	+ 25.5	b	3	L	
6687	14779	93013		42.3	+45	14	8.2	.014	gG7	+ 12.6	b	3	W	
6588	TX UMa	93033		42.4	+45	50	6.8v	.016	B9+gF2	- 13.2	a	203	MdV	EA 3.06 *
6689	14789	93102		42.6	+02	45	6.6	.059	gK4	+ 11.2	b	8	VW	*
6600	14793	93075		42.9	+57	11	7.0	.012	A9	- 18.3	a	48	D	Orb. Northcott
6691	14798	93152		43.1	+30	57	5.4	.048	B9	+ 14	c	26	YW	*
6692	NGC 3372	.....		43.1	-59	25	.....	.....	.....	+ 6	e	4	L	Em 7) Car neb.
6693	I7 Car	93308		43.1	-59	25	-0.8v	.001	Pec	- 25.0	b	5	L	Em
6694	14802	93132		43.3	+57	38	6.5	.086	gM2	- 1.6	b	8	VW	*
6695	SV UMa	.....		43.5	+55	18	9.0v	.....	cK4ev	- 90	b	11	W	SR 76 *
6696	14805	93244		43.5	+06	38	6.3	.040	gK1	- 8.9	b	5	W	
6697	44° 2012	93213		43.6	+44	22	8.0	.159	dF4	+ 25.0	b	3	W	
6698	14813	93257		43.7	+19	09	5.6	.104	gK3	- 5.9	b	3	W	
6699	14814	93201		43.8	+14	28	5.6	.145	gG4	+ 34.7	b	3	W	
6700	66° 681	93238		44.3	+65	52	7.2	.....	gM4	- 18	c	2	L	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
6701	14828	93286	h	m	s	°			km/sec					
6701	14828	93286	10	44.3	+60	23	7.2	0.071	A8	- 7	c	6	D	SB (29)
6702	14834	93270		44.4	+65	43	7.8	.093	dF5	- 0.9	b	3	W	
6703	14837	93540		44.5	-64	15	5.5	.024	B8n	+ 32.4	b	7	L	
6704	CC 589	.....		44.6	+28	41	10.3	.83	sdF5	+ 74	c	6	WMd	*
6705	M Vel	93497		44.6	-49	09	2.8	.085	G5	+ 6.9	a	15	CL	*
6706	14843	93391		44.6	+27	10	7.3	.015	gK5	+ 8.7	b	3	L	
6707	14844	93549		44.7	-64	00	5.4	.004	B8	+ 21.3	b	3	L	
6708	14846	93431		44.7	+06	37	7.0	.056	A2	+ 22	d	7	V	SB (80)
6709	14848	93779		44.8	-80	12	5.5	.043	K1	+ 10.7	a	6	LC	*
6710	14849	93563		44.9	-56	30	5.5	.018	B8	+ 31	c	6	L	
6711	14850	93607		45.0	-64	07	5.1	.018	B5n	+ 16	c	3	L	
6712	14851	93527		45.1	-15	22	7.4	.128	dF5	+ 30.5	b	3	W	
6713	14852	.....		45.2	-15	21	8.3	.155	dF8	+ 21.5	b	3	W	
6714	14855	93526		45.2	-15	00	6.5	.018	A2	+ 22	d	3	W	SB (59)
6715	14856	93457		45.2	+41	22	6.8	.042	A3	- 5.2	b	4	V	
6716	14863	93845		45.3	-80	17	4.6	.033	B5	+ 21.7	b	7	L	
6717	14° 2299	93542		45.4	+14	29	8.2	.025	dF5	- 2	c	3	L	
6718	14866	93521		45.6	+37	50	6.9	.006	B3n	- 16	c	19	V	IS -10.4 b *
6719	22° 2273	93552		45.6	+22	22	8.3	.023	dF2	+ 9	c	2	L	
6720	14877	93655		46.1	-01	42	6.2	.014	gM2	+ 2.5	b	3	W	
6721	14879	93636		46.2	+29	41	6.3	.098	sgK1	+ 9.7	b	3	W	
6722	14883	93704		46.5	-08	50	7.2	.028	gG5	- 12.1	b	3	W	
6723	14889	93702		46.6	+10	49	5.3	.032	A0	- 6	c	54	3	*
6724	14891	93742		46.8	-03	46	6.5	.053	A2	+ 14	c	2	V	
6725	14897	93765		47.2	+28	14	6.1	.027	dA8n	+ 2.9	b	3	W	
6726	v Hya	93813		47.2	-15	56	3.3	.221	gK3	- 1.0	a	13	LC	*
6727	14900	93833		47.2	-09	35	6.0	.041	gG8	+ 40.3	b	4	W	
6728	CC 590	.....		47.4	+56	43	12.6	.48	sdGO	-128	d	2	WMd	
6729	C 1304	93932		48.0	-14	50	8.1	.302	dGO	+ 36	c	4	W	SB (20)
6730	57° 1293	93847		48.0	+56	30	7.3	.014	A0	- 5.9	b	4	D	
6731	14910	93859		48.1	+56	51	5.8	.060	gK1	+ 14.8	b	8	DW	*
6732	14912	93875		48.3	+59	35	5.7	.064	gK2	- 17	c	7	DW	SB *
6733	CC 591	.....		48.3	+07	05	11.9	1.23	dM5	+ 4	d	3	W	SB (34)
6734	14925	94028		48.8	+20	33	8.1	0.552	dF1	+ 61.9	b	4	W	
6735	V Hva	.....		49.2	-20	59	6.0v	.020	N6e	- 15.2	b	13	We	Em -38.6 b *
6736	14936	94083		49.5	+52	50	6.7	.036	gG8	- 8	c	8	VW	SB *
6737	14937	94084		49.5	+52	46	6.6	.092	gKO	- 3	c	8	VW	SB *
6738	46° 1670	94118		49.6	+46	04	7.1	.011	A1	+ 6	c	7	D	SB
6739	14940	94180		49.7	+01	17	6.3	.003	A2	- 9	d	5	V	
6740	33° 2049	94178		49.9	+33	16	7.6	.055	sgG7	+ 11.3	b	3	W	
6741	14952	94237		50.0	+00	04	6.6	.024	K4	+ 8.5	b	4	D	
6742	14954	94132		50.1	+70	07	6.1	.402	dG9	+ 14.7	b	5	WD	*
6743	C 1312	94270		50.2	-16	46	7.9	.173	dGO	+ 21	c	2	L	
6744	14960	94367		50.5	-56	58	5.6	.007	B9	- 22.5	b	4	L	
6745	14961	94264		50.5	+34	29	3.9	.300	sgK2	+ 16.1	a	22	4	*
6746	14962	94247		50.6	+54	51	5.4	.070	gK2	+ 1.2	b	3	L	
6747	14963	94340		50.6	-20	21	7.1	.312	dG3	- 13.1	b	3	W	
6748	14964	.....		50.7	+76	20	9.4	.481	dK6	- 20	c	5	W	
6749	14968	94336		50.9	+26	28	7.3	.034	gM3	- 4	c	5	WL	*
6750	W Leo	94362		51.0	+13	59	8.7v	*	gM7e	+ 54	b	3	W	Em +39.4 *

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
6751	C 1318	94387	h	m	°	'	8.3	0.313	dKO	+ 30	c	4	W	SB (19)
6752	14971	94388	10	51.0	-15	33	5.3	.256	dF6	- 4.8	b	12	3	4*
6753	oo UMa	94334	51.1	+43	27	4.8	.055	A0	- 17.4	a	69	0	W	Orb. Parker
6754	14975	94402	51.2	-01	52	5.7	.086	gG6	+ 15.3	b	3	3	W	
6755	14977	94190	51.3	+77	21	7.0	.027	gM2	- 90.0	b	3	3	W	
6756	14980	94510	51.5	-58	35	3.9	.073	sgKO	+ 8.5	a	12	LC	4*	
6757	14994	94481	51.8	-13	29	5.8	.009	gG4	+ 5.4	b	3	3	W	
6758	21° 2262	94469	51.9	+21	03	8.4	.022	dF1	- 44	c	4	4	W	
6759	14999	94480	52.0	+25	45	6.2	.054	dA5n	+ 10	c	10	10	W	h
6760	-0° 2384	94500	52.0	-01	15	8.3	.049	sgF4	+ 16	c	2	L	WS	
6761	15006	94497	52.2	+34	18	5.9	.082	gG7	- 27.9	b	3	3	W	
6762	66° 689	94467	52.5	+66	00	8.1	....	dF9	- 61	d	2	L	4*	
6763	A 7979A	94601	52.9	+25	01	4.5	.074	B9n	+ 4	c	17	4	4*	
6764	A 7979B	94602	52.9	+25	01	6.3	.080	A1n	- 2	c	10	3	3	SB (52) *
6765	15018	94600	53.0	+33	46	5.2	.114	gK1	- 22.1	a	14	3	3	*
6766	15019	94549	53.0	+64	48	7.3	.140	dG8	+ 19.4	b	3	3	W	
6767	15022	94672	53.1	+01	00	6.0	.105	dF3	- 2	c	11	VW	SB *	
6768	15025	94671	53.3	+18	25	7.6	.058	gG4	- 10	c	6	6	W	SB (22)
6769	T Car	94776	53.3	-60	15	7.2	.081	K0	- 25.5	b	4	L	4*	
6770	15030	94669	53.4	+42	17	6.1	.099	gK1	- 54.4	b	9	VW	*	
6771	15031	94631	53.4	+57	46	6.8	.047	G5	+ 10.2	b	5	D		
6772	15032	94705	53.4	+06	.27	6.0	.026	gM5	- 12.8	b	4	W		
6773	70° 638	94574	53.5	+70	18	8.1	....	dF4	- 11	c	2	L		
0774	15034	94718	53.6	+28	01	8.6	.475	dG6	+ 5.4	b	8	W		
6775	15035	94720	53.6	+22	37	6.2	.026	K5	+ 25.2	b	4	D		
6776	15036	94738	53.6	+00	42	6.9	.013	gK3	- 27.6	b	3	W		
6777	15039	94747	53.9	+25	46	6.4	.031	KO	+ 30.0	b	4	D		
6778	14° 2319	94794	54.1	+13	50	8.1	.071	dF8	+ 11.4	b	3	L		
6779	-0° 2392	94808	54.1	-00	54	8.1	.038	gA5	- 9.7	b	3	W		
6780	CC 600	.....	54.2	+07	20	13.5	4.67	dM6e	+ 13	c	4	W		
6781	CC 599	.....	54.3	+42	09	9.6	0.79	dK3	- 26	e	4	W		
6782	t Ant	94890	54.4	-36	52	4.7	.159	G5	- 0.2	a	5	L		
6783	CC 598	.....	54.4	+69	52	10.2	.64	dMO	+ 7	e	4	W		
6784	15053	94864	54.6	-00	04	6.9	.104	dF4	+ 3	c	3	W		
6785	15062	94791	55.3	+75	59	7.6	.159	dF6	+ 14.6	b	3	3	W	
6786	67° 676	94798	56.0	+66	34	8.3	....	sgFO	- 4	c	6	L	SB (30)	
6787	15077	94860	56.0	+78	02	6.3	.079	gG7	- 49.8	b	9	VW	4*	
6788	15080	94937	56.3	+77	58	8.1	.120	dF7	- 7	c	2	L		
6789	15082	95057	56.4	+52	09	6.3	.011	K2	- 6.6	b	4	D		
6790	15087	95128	56.7	+40	42	5.1	.322	dGO	+ 12.6	a	9	3	3	4*
8791	15089	95129	56.8	+36	22	6.2	.090	gM2	- 26	c	4	WV	4*	
6792	15098	95190	56.9	+10	12	7.0	.065	A5	- 2.8	b	7	3	S	
679S	15101	95234	57.0	-16	05	6.2	.052	gM2	- 33.2	b	3	W		
6794	15102	95216	57.1	+11	58	6.4	.235	F5	+ 20.0	b	3	3	V	
6795	a Crt	95272	57.3	-18	02	4.2	.477	gK1	+ 46.9	a	16	3	3	4*
6796	15109	95212	57.4	+45	48	5.7	.006	gK5	+ 9.0	b	3	3	W	
6797	CC 601	.....	57.4	+23	06	10.3	.49	dlyfS	+ 29	d	2	2	Md	
8798	15112	99233	57.5	+51	46	6.5	.036	G8	- 0.0	b	4	D		
673S	15113	95241	57.5	+43	11	6.1	.177	dGO	- 6.4	b	9	VW	4*	
6800	15116	95314	57.7	-13	49	0.1	.035	gK5	- 0.4	b	3	3	W	

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Dec-1.									
			h	m	°	r			km/sec					
6801	15118	95370	10	57.9	-41	57	4.6	0.018	A2	- 5.1	b	5	L	
6802	15122	95256		58.0	+63	41	6.3	.066	A0	+ 11	c	3	V	
6803	15125	95345		58.0	+03	53	5.0	.023	gK3	+ 6.4	a	13	LW	
6804	15128	95310		58.0	+39	29	5.1	.078	A7	+ 3.3	b	4	L	
6805	25° 5383	95405		58.1	-25	35	9.0	.042	gK3	+ 12	e	1	W	
6806	15130	95382		58.2	+06	22	5.1	.057	A2	- 12.1	b	15	3	
6807	II 2621	95541		58.4	-64	58	.....	.....	Pd	+ 20	c	3	L
6808	15144	95486		58.8	+15	17	7.9	.319	dG5	- 56.4	b	3	W	
6809	(5 UMa	95418		58.8	+56	39	2.4	.087	A2	- 12.0	a	216	4	
6810	SZ Leo	.....		59.0	+08	26	11.2v	.....	.....	+ 90	d	1	W
6811	16° 3172	95532		59.0	-16	41	7.9	.102	sgF7	- 25	d	2	L	
6812	15151	95578		59.3	-02	13	5.0	.040	gM1	- 13.5	a	10	LW	
6813	15153	95577		59.4	+14	53	8.9	.066	dF4	+ 4.8	b	4	W	
6814	15162	95608		59.7	+20	27	4.4	.032	A2	- 10.2	b	30	5	
6815	15169	95651		59.9	+09	27	7.1	.074	A3n	- 8.5	b	7	S	
6816	20° 3326	95680	11	00.0	-21	09	7.4	.040	gG6	+ 8	c	2	L	
6817	31° 2225	95660		00.1	+30	42	8.2	.035	dF3	+ 5	c	2	L	
6818	15183	95735		00.6	+36	18	7.6	4.778	dM2	- 86.5	b	10	WV	
6819	a UMa	95689		00.7	+62	01	2.0	0.138	gG7	- 8.9	a	44	7	
6820	15188	95808		00.7	-11	02	5.6	.135	gG6	- 7.5	b	5	W	
6821	15195	95849		01.1	+00	16	6.2	.058	gK3	- 8.3	b	6	W	
6822	15199	95544		01.1	+81	19	8.3	.226	dG4	+ 11.8	b	3	W	
6823	15215	95934		01.7	+38	31	6.1	.074	dA5n	+ 6.6	b	5	WV	
6824	15225	95976		02.0	+38	31	7.4	.076	dF5	+ 5	c	5	W	
6825	15227	95955		02.1	+66	05	8.5	.262	dK4	- 29.5	b	3	W	
6826	15230	96113		02.3	-47	25	5.9	.122	A5	- 16	e	1	L	
6827	X Leo	96097		02.4	+07	36	4.7	.308	dF3	+ 4.7	b	19	4	
6828	15238	96146		02.5	-35	32	5.5	.029	A0	+ 11	e	1	L	
6829	15239	96094		02.6	+25	28	7.5	.408	dGO	- 7.8	b	3	W	
6830	15248	96202		02.9	-27	01	5.1	.195	dF4	+ 17	c	4	L	
6831	15252	.....		03.0	+43	47	8.8	4.532	dM2	+ 64	c	6	WMd
6832	15253	96074		03.0	+66	09	7.7	0.020	sgG8	- 11	c	4	W	
6833	15255	96161		03.0	+38	40	7.5	.093	gG5	+ 13	d	1	L	
6834	15260	96314		03.5	-27	01	5.7	.039	B8	+ 53	d	3	L	
6835	54° 1416	96294		03.9	+53	58	8.2	.012	gF2	0	c	2	L	
6836	15275	96373		04.1	+15	27	7.6	.029	gM3	- 1.4	b	3	W	
6837	15282	96436		04.4	+02	14	5.7	.394	sgG7	+ 55.3	b	3	W	
6838	15284	96418		04.4	+25	48	6.7	.071	dF6	- 9	c	7	WS	
6839	15288	96566		04.5	-62	09	4.8	.038	sgG5	- 2.0	a	5	L	
6840	A 8061A	96478		04.6	+11	11	9.3	.061	gKO	+ 11	c	3	W	
6841	A 8061B	.....		04.6	+11	11	9.5	.....	eKO	+ 8	c	2	W
6842	15294	96360		04.7	+68	38	8.4	*.031	gM4	- 54.2	b	3	W	
6843	15298	96497		04.8	+22	19	7.9	.210	dG1	+ 3	c	2	L	
6844	15299	96553		04.9	-15	05	8.3	.284	dGO	+ 9.8	b	3	W	
6845	15300	96616		05.0	-42	22	5.3	.106	dA5p	+ 2	c	6	LW	
6846	15302	96528		05.0	+23	36	6.4	.012	A2	- 1.9	b	20	D	
6847	15307	96527		05.1	+53	06	7.3	.060	dF9	- 37	e	3	W	
6848	15311	96700		05.5	-29	54	6.5	.535	dG1	+ 11.2	b	3	W	
6849	20° 3352	96696		05.7	-21	15	7.7	.072	gG7	+ 5	d	2	L	
6850	59° 1351	§6656		06.0	+59	29	7.3	.020	dG5	+ 7.0	b	4	W	

Orb. Heard •

Cat. No.	Star	ED. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.											
6851	15319	96738	ii	m	°	'	''	km/sec							
6852	15322	96572	11	06.1	+24	56	5.6	0.005	A3	- 5.6	b	8	W		
6853	15325	96819		06.3	+78	03	7.4	.046	gM1	- 25.9	b	3	W		
6854	15327	96734		06.3	-27	49	5.5	.084	A2	+ 16	d	5	L		
6855	15329	96918		06.4	+51	39	7.1	.021	gM4	- 20	c	3	W		
6856	15331	96919		06.4	-58	42	4.0	.013	F8p	+ 7.3	b	25	CL	SB *	
6857	15332	96707		06.5	-61	41	5.4	.021	AOp	- 22.4	b	4	L		
6858	15334	96813		06.5	+67	29	6.1	.090	A5	+ 4.7	b	4	V		
6859	15335	96511		06.6	+36	35	6.0	.055	gM4	+ 22.2	b	3	W		
6860	15339	96834		06.7	+82	00	7.1	.214	dG3	- 46.3	a	25	W	Orb. Sanford	
6861	xf/ UMa	96833		06.8	+43	29	6.0	.067	gM2	+ 18.0	b	5	V		
6862	66° 703	96972		06.9	+44	46	3.2	.072	gK1	- 3.8	a	18	4	*	
6863	15361	97068		07.9	+66	19	8.8	» . . .	gG7	- 2	c	4	W		
6864	15365	97033		08.0	+11	34	7.5	.031	gM4	- 0.1	b	3	W		
6865	S Leo	97033	.....	08.3	+66	17	9.0	.358	dG5	+ 27	c	3	W	
6866	A 8083A	97101		08.3	+05	44	9.1v	.053	gM3e	+106	c	5	W	Em +96 *	
6867	A 8083B	97101	.....	08.3	+30	43	8.8	.615	dM1	- 14.0	b	4	W	
6868	A 8083C	97100	.....	08.3	+30	43	10.4	. . . .	dM2	- 28.1	b	5	W	
6869	CC 614	97271	.....	08.3	+30	43	9.0	.049	sgG5	- 34.3	b	5	W	
6870	15374	97271	.....	08.5	+06	42	10.8	.82	sdG3	+ 68	e	3	Md	
6871	15375	97140		08.7	-58	11	6.3	.033	B8	+ 17.3	b	3	L		
6872	15376	96571		08.8	+59	10	7.3	.075	dF9	- 25	d	3	W	SB (34)	
6873	TV Leo	97233	.....	08.8	+85	55	7.2	.036	A3	- 5	c	6	V	
6874	C 1364	97233	.....	08.8	-05	37	10.5v	. . . .	AL	- 86	d	3	MdW	RR 0.40 *
6875	15378	97138		09.0	-14	42	9.0	.922	dMO	- 1.2	b	3	W		
6876	15380	97244		09.0	+68	33	6.4	.030	A2	- 18	c	4	V		
6877	j8 Cit	97277		09.1	+14	40	6.3	.069	A5n	+ 5.5	b	8	DV	*	
6878	15397	97334		09.2	-22	33	4.5	.104	A2	+ 6.4	b	12	L		
6879	15399	97302		09.8	+36	05	6.3	.325	sdF9	- 2.6	b	5	V		
6880	36° 2165	97302	.....	09.8	+55	10	6.5	.008	A2	- 6	c	8	V	
6881	15411	97495		10.0	+36	01	9.8	.52	sdF3	-188	c	5	Md		
6882	46° 1701	97406		10.3	-48	50	5.7	.120	A2	- 28	c	6	L	SB (56)	
6883	15415	97534		10.3	+46	29	8*2	.059	dF1	- 2	c	2	L		
6884	15421	97583		10.4	-60	03	4.7	.006	F5p	- BA	a	6	L		
6885	TT Hya	97528		10.7	-63	54	5.5	.040	B8	+ 21	c	5	L		
6886	15425	97501		10.8	-26	12	7.5v	.027	.	+ 10.5	a	59	MdW	A3e+dG6p *	
6887	15428	97561		10.9	+41	22	6.5	.007	K0	+ 11.7	b	4	D		
6888	63° 947	97486		11.1	+20	24	6.9	.405	dG4	+ 45.3	b	9	VW	*	
6889	15430	97585		11.1	+62	32	7.8	.039	gG5	- 30	c	2	L		
6890	15435	97670		11.2	+00	12	5.4	.045	A0	+ 4.6	b	18	3	*	
6891	15437	976Q5		11.3	-59	21	6.0	.017	B3	+ 16.8	b	4	L		
6892	6 Leo	97603		11.4	+08	20	5.9	.118	gK3	+ 17.3	b	8	VW	*	
6893	14° 3289	97635		11.5	+20	48	2.6	.201	A2n	- 20.6	b	47	4	*	
6894	& Leo	97633		11.6	-15	10	8.1	.054	gFOn	+ 7	c	4	W		
6895	15445	97537		11.6	+15	42	3.4	.104	A4	+ 7.8	a	54	5	*	
0896	26° 2184	97658		11.7	+72	17	7.3	.016	AOp	- 8	c	2	V		
0897	NGC 3587	97584	.....	11.9	+55	18	8.3	. . . .	P	+ 8	c	3	L	Em Owl n&b
6898	A 8100A	97584	.....	12.0	+73	45	7.8	.415	dK5	+ 8.1	b	3	W	
6899	A 8100B	97584	.....	12.0	+73	45	8.3	. . . .	gMO	+ 3.0	b	3	W	
6900	C 1371	97783		12.3	-23	22	8.7	.303	dG2	+ 87.9	b	4	W		

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	''	km/sec						
6901	15460	97778	11	12.5	+23	22	4.9	0.024	gM2	+ 15.6	a	8	LW	*
6902	17° 3336	.....		12.8	-17	51	10.0	.94	dM1	+ 5	c	5	W	CC 621
6903	17° 3337	.....		12.8	-17	51	10.4	.....	dM1	+ 18	c	5	W	SB (40)
6904	10° 3227	97876		12.9	-11	19	7.3	.016	gM4	- 27	c	3	L	
6905	15480	97918		13.1	-12	19	6.7	.030	gM4	- 1.3	b	3	W	
6906	15485	97855		13.2	+53	03	6.3	.169	dF2	- 40.8	b	9	VW	*
6907	15487	97907		13.3	+13	35	5.5	.016	gK3	+ 14.7	b	17	3	SB *
6908	15490	97938		13.3	+12	53	6.7	.037	B9	+ 7	c	10	DS	SB (90) *
6909	15491	97937		13.4	+13	07	6.5	.071	dA8n	- 19.8	b	10	VW	SB 2-sp *
6910	15492	97889		13.4	+60	13	6.7	.043	A4	- 5	c	6	D	
6911	15498	97991		13.6	-03	12	7.3	.033	B2	+ 24.5	b	4	V	IS +11 c *
6912	19° 3215	98019		13.8	-20	25	7.8	.015	gG7	+ 32.8	b	3	L	*
6913	15506	97989		13.9	+49	45	6.0	.087	gKO	0	c	5	WV	
6914	75° 438	97904		14.0	+74	37	7.6	.....	gG7	- 23	c	2	L	
6915	<f> Leo	98058		14.1	-03	23	4.6	.VI9	A5	- 3	c	16	3	*
6916	88° 64	96870		14.2	+87	55	7.4	.....	B9	- 22.8	b	4	D	
6917	15514	98088		14.4	-06	52	6.0	.016	gFOp	- 55	c	5	W	SB 2-sp
6918	15520	98118		14.7	+02	17	5.4	.158	gMO	- 59.0	a	9	LW	*
6919	CC 626	.....		14.7	-01	43	9.7	.551	dK6	+ 4	c	3	W	
6920	§ UMa	98231		15.5	+31	49	4.4	.733	dGO	- 15.5	a	42	L	A 8119A *
6921	A 8119B	98230		15.5	+31	49	4.9	.....	dGO	- 15.9	a	47	L	Orb. Berman
6922	15545	98280		15.7	+12	16	6.5	.041	A0	- 34.9	b	8	V	
6923	15546	98281		15.8	-04	47	7.3	.804	dG5	+ 10.1	b	5	W	
6924	v UMa	98262		15.8	+33	22	3.7	.033	gK3	- 9.2	a	14	3	*
6925	15556	98366		16.3	+01	55	6.0	.071	gKO	+ 5.2	b	3	W	
6926	15557	98354		16.4	+14	33	7.0	.178	dF7	+ 23.5	b	13	3	*
6927	15558	98353		16.4	+38	28	4.8	.096	AO _n	- 3	b	29	L	Orb. Henroteau
6928	15560	98388		16.5	+13	40	7.1	.136	F7	+ 6	c	4	D	
6929	A 8131B	.....		16.8	-01	23	8.0	.282	dG3	+ 16.9	b	3	W	
6930	A 8131A	98427		16.8	-01	23	6.9	.280	dF6	+ 19.5	b	3	W	
6931	6 Crt	98430		16.8	-14	30	3.8	.235	gKO	- 5.1	a	23	CL	*
6932	15579	.....		17.5	+66	07	9.3	2.950	dM1	+ 46.9	b	3	W	
6933	15580	98500		17.5	+30	24	7.4	0.020	gMO	+ 31.4	b	4	L	
6934	63° 952	98487		17.7	+62	38	8.2	.....	dF1	- 4	c	2	L	*
6935	15585	98547		17.8	+17	35	6.9	*.037	A2 _n	- 7	c	9	SD	
6936	15586	98499		17.9	+67	23	6.3	.072	G8	- 56.2	b	4	D	
6937	Y Crt	.....		18.0	-24	39	11 V	.....	gM4 _{ev}	+210	c	3	W	RV 160 *
6938	a Leo	98664		18.6	+06	18	4.1	.096	B9	- 5.3	b	26	4	*
6939	ir Cen	98718		18.7	-54	13	4.3	.036	B5 _n	+ 16	c	3	L	
6940	15607	98673		19.0	+57	21	6.3	.058	A2	- 20	c	9	V	SB (50)
6941	15608	98736		19.2	+18	28	8.2	.181	dKO	- 4.1	b	3	W	
6942	CC 630	.....		19.7	+14	43	10.3	.567	dKO	+ 20	c	4	W	
6943	15618	98824		19.9	+17	43	7.0	.119	gK2	+ 5.3	b	3	W	
6944	15619	98772		19.9	+64	36	6.0	.031	AO	+ 2	c	8	V	
6945	15625	98839		20.1	+43	45	5.1	.038	gG7	+ 2.9	b	3	L	
6946	15° 2326	98883		20.3	+14	36	8.3	.030	gK1	- 30.3	b	3	W	
6947	15° 3256	98932		20*6	-16	20	8.1	.040	gF5	+ 8	c	2	L	
6948	15637	.....		20.7	+20	10	9.7	.457	dF6	+ 98	c	3	W	
6949	15639	98960		20.7	+00	24	6.3	.045	K3	+ 21.6	b	4	D	
6950	15641	98993		20.8	-35	53	5.1	.042	K6	- 4.6	a	7	L	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
6951	X Crt	98991	11	20.9	-18	30	5.2	0.315	dF3	+ 11.7	a	12	LC	*
6952	15645	99004		21.0	+17	25	7.0	.051	A3	- 0.7	b	5	D	
6953	15649	99104		21.2	-64	41	5.7	.016	B7	+ 19.3	b	6	L	
6954	15650	99002		21.2	+37	31	6.9	.059	A4	- 12.3	b	3	W	
6955	CC 632	.....		21.2	+08	50	11.0	1.16	dM1	+ 58	c	4	W	
6956	t Leo	99028		21.3	+10	48	4.0	0.188	dF4	- 10.3	a	38	6	*
6957	RX Leo	.....		21.3	+26	53	11.5v	.036	.....	- 115	d	1	W	RR 0.65
6958	20° 3409	99058		21.4	-20	50	8.1	.063	dF6	+ 15.6	b	3	L	
6959	15656	99055		21.5	+01	41	5.5	.021	gG7	- 9.6	b	9	VW	*
6960	14° 2382	99088		21.7	+14	11	8.1	.120	dF7	+ 22.0	b	3	W	
6961	CC 633	.....		21.7	+21	38	14.1	1.23	wA	+ 52	d	2	Md	
6962	£ Crt	99167		22.1	-10	35	5.1	0.038	gMO	+ 3.1	b	10	3	*
6963	y Crt	99211		22.4	-17	25	4.1	.106	A5	+ 1	c	16	3	*
6964	15670	99196		22.4	+11	42	6.0	.107	gK4	+ 38.0	b	4	W	
6965	15676	99267		23.0	+30	16	6.9	.054	A8	- 4	c	5	D	SB
6966	15677	99285		23.0	+16	44	5.6	.145	dF2	+ 17.9	b	10	VW	*
6967	15680	99322		23.1	-35	47	5.3	.117	G5	+ 4.3	a	8	LC	*
6968	15681	99305		23.1	+03	35	6.7	.063	A2	+ 8	c	8	V	SB (36)
6969	15682	99302		23.1	+27	01	7.2	.033	A3	+ 8	c	7	D	SB (31)
6970	15686	99283		23.1	+56	07	5.8	.082	gG6	- 5.9	b	9	VW	*
6971	13° 3365	99331		23.2	-14	16	7.4	.049	gK5	+ 25	c	2	L	
6972	15688	99329		23.3	+04	08	6.4	.093	dA7n	- 3	c	12	3	SB *
6973	15690	99363		23.4	-13	29	7.0	.054	gM2	+ 5.6	b	4	W	
6974	15693	99453		23.5	-63	42	5.3	.320	F3	- 5	c	6	LC	SB (75) 2-sp *
6975	15698	99373		23.8	+33	44	6.3	.041	F5	- 24.6	b	3	V	
6976	W Crt	.....		24.0	-17	39	10.8v	.....	.....	+ 70	c	3	W	RR 0.41
6977	A 8162A	99491		24.2	+03	17	6.2	.744	dKO	- 2.9	b	4	W	
6978	A 8162B	99492		24.2	+03	17	7.9	.741	dK5	+ 1.7	b	3	W	
6979	15708	99556		24.3	-60	50	5.5	.022	B5	+ 9.4	b	4	L	
6980	k Crt	99564		24.6	-12	05	6.0	.105	dF4	+ 5.7	b	3	W	
6981	ST UMa	99592		25.1	+45	28	6.4v	.045	gM5	- 16.7	b	4	W	SR 81
6982	15724	99625		25.1	-25	35	6.8	.068	dG7	- 14.6	b	3	W	
6983	15726	99607		25.2	+44	50	6.9	.130	F2	+ 17.2	b	5	D	
6984	15728	99651		25.3	-01	25	6.3	.036	gK2	- 9.6	b	3	W	
6985	r Leo	99648		25.4	+03	08	5.2	.025	sgG7	- 9.1	a	6	L	
6986	CC 641np	.....		25.8	+07	49	9.7	.....	dG7	0	c	3	W	
6987	CC 641sf	.....		25.8	+07	49	9.7	1.21	dMO	+ 37	c	3	W	
6988	15744	99803		26.2	-42	24	5.3	0.043	B9	+ 3	d	4	L	SB (75)
6989	15745	99747		26.2	+62	03	5.9	.264	dF1	- 8.1	b	5	W	
6000	.....	99842		26.3	-52	40	.....	.....	P	+ 28	e	3	L	Em PI. neb.
6991	A 8175A	99787		26.4	+39	37	5.3	.052	A2n	- 11.3	b	70	4	*
6992	A 8175B	.....		26.4	+39	37	8.4	.....	dG5	- 3	c	2	W	
6993	15755	99832		26.7	+30	42	7.1	.139	F5	- 18.8	b	6	D	
6994	15759	99873		26.8	-00	34	7.4	.050	gK4	- 15	d	1	L	
6995	15760	99859		26.9	+57	01	6.1	.099	A2	+ 9.2	b	5	V	
6996	15764	99904		27.1	+07	53	6.7	.030	F5	+ 2	c	3	S	
6997	15765	09902		27.1	+15	41	6.0	.059	gK4	- 28.6	b	3	W	
6998	TU UMa.1	.....		27.2	+30	21	9.5v	.....	A8	+105	e	3	W	RR 0.56
6999	15772	99946		27.4	+30	15	6.8	.228	A9n	- 7	c	8	D	
7000	15773	99913		27.4	+54	38	6.5	.065	G5	- 22	c	2	V	

Cat. No.	Star	BLD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.											
7001	15778	99967	h 11	27.7	+46	56	6.5	0.026	K0	+ 26.9	a	55	D	Orb. Northcott *	
7002	15779	99998		27.8	-02	44	5.1	.026	gK5	+ 18.8	a	11	3		
7003	15782	99984		27.8	+43	27	5.9	.090	dF5	- 29.6	b	3	W		
7004	15784	100006		27.9	+18	41	5.7	.085	gKO	+ 26.7	b	10	3		*
7005	15785	99983		27.9	+57	01	7.0	.021	F2	- 3.0	b	5	D		
7006	15787	100018		28.1	+41	34	7.0	.131	dF1	- 2.2	a	16	V	Orb. Petrie *	
7007	15789	100030		28.2	+48	12	6.4	.243	G5	+ 38.4	b	5	D		
7008	15790	100041		28.3	+28	44	7.0	.085	gM4	+ 85	c	4	W		
7009	15793	100070		28.3	-06	27	7.6	.040	dF3	+ 4.1	b	3	W		
7010	15795	99945		28.4	+81	24	6.1	.149	A2	+ 3.2	b	6	V		
7011	15797	100055		28.4	+49	04	6.4	.057	G5	+ 6.3	b	4	D		
7012	X Dra	100029		28.5	+69	36	4.1	.046	gMO	+ 7.2	a	11	3	*	
7013	A 8191p	100054		28.5	+59	59	8.0	.003	A5	- 15	c	7	D	SB (36)	
7014	A 8191f	.....		28.5	+59	59	8.0	.....	A2	- 11	e	6	D
7015	A 8196B	.....		29.2	+14	39	8.2	.356	dK6	- 10.3	b	5	W	
7016	A 8196A	100180		29.2	+14	39	6.2	.385	dF7	- 4.2	b	4	W		
7017	AC 77°4245	.....		29.2	+76	55	11.3	.60	sdGO	-108	c	2	Md	
7018	15816	100238		29.4	-06	12	6.9	.092	gK1	+ 3.7	b	3	W		
7019	15818	100261		29.4	-59	10	5.0	.016	cG4	- 19.5	b	6	L		
7020	15820	100262		29.5	-59	14	5.3	.018	A2p	- 16.8	b	5	L		
7021	15822	100203		29.5	+61	22	5.5	.073	dF4	- 45.9	a	8	3	*	
7022	15826	100214		29.6	+56	22	8.0	.265	dF7	+ 13.3	b	3	W		
7023	A 8202B	100286		29.8	-28	59	5.9	.132	dF7	+ 9.8	b	3	W		
7024	A 8202A	100287		29.8	-28	59	5.8	.141	dF6	+ 4	c	2	W		
7025	C 1421	100255		29.8	+29	19	7.8	.107	dF2	+ 13.7	b	a	W		
7026	15841	100343		30.2	-07	33	6.2	.012	gK4	- 1.3	b	4	W		
7027	15844	100393		30.4	-30	49	5*2	.035	M2	+ 19.4	b	4	L		
7028	h Hya	100407		30.5	-31	35	3.7	.215	gG7	- 4.6	a	18	3	*	
7029	15847	100418		30.7	-16	00	6.0	*040	gGO	- 4.3	b	3	W		
7030	15854	100493		31.2	-40	19	5.5	*080	A2	+ 9	c	5	L		
7031	2° 2446	.....		31.2	+02	01	9.5	.....	R2	+ 20	c	3	W
7032	15856	100446		31.3	+65	31	7.2	*2Q1	dF5	- 30.9	b	3	W		
7033	15857	100470		31.3	+37	06	6.3	.143	gK1	+ 18	c	8	W		
7034	SS Leo	.....		31.3	+00	15	10.0v	.010	.....	+150	d	1	W
7035	15865	100518		31.6	+11	18	6.5	.058	A2	- 5	c	6	W		
7036	C 1428	100551		31.7	-12	35	8.1	.163	dF5	- 6	c	2	L		
7037	15867	100563		31.8	+03	20	5.8	.213	dF5	+ 3	c	7	W		
7038	15873	100623		32.1	-32	34	6.1	1.064	dK2	- 23.3	b	5	SW		
7039	A 8220A	100600		32.1	+17	04	5.8	0.012	B3	+ 18.7	b	13	VW		
7040	A 8220B	.....		32.1	+17	04	7.3	.....	B6	+ 14	c	14	VW
7041	15875	100615		32.3	+55	04	5.8	.008	gG8	+ 18	c	3	W		
7042	15877	100673		32.4	-53	59	4.8	.064	B8	+ 4	c	5	L		
7043	15879	100655		32.5	+20	43	6.4	.060	KB	- 6.5	b	4	D		
7044	15881	100708		32.5	-48	52	5.6	.239	K0	- 1.2	b	2	L		
7045	15886	100733		32.8	-47	06	5.6	.098	Ma	+ 18	d	1	L		
7046	15892	100740		33.1	+11	11	8.4	.039	A2	- 5	d	7	V	SB (ao)	
7047	15893	100696		33.1	+69	36	5.4	.170	gG6	- 2.2	a	4	L		
7048	13° 3407	100764		33.2	-14	19	8.7	.015	R2	+ 5	b	5	W		
7049	67° 709	100738		33.4	+66	37	8.1	••»•	sgF5	- 30	c	2	L		
7050	X Cen	100841		33.5	-62	45	3.3	»0S9	B9	+ 7.9	b	4	L		

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
7051	15901	100825	11	33.5	-47	22	5.4	0.064	F2	+ 5.2	b	3	L	
7052	15905	100808		33.7	+28	03	5.8	.023	A4n	+ 8	c	15	3	SB *
7053	A 8236A	100831		33.9	+56	25	7.9	.208	dG2	- 15.2	b	3	W	
7054	A 8236B	.....		33.9	+56	25	8.4	.....	dG6	- 18.1	b	3	3	W
7055	15913	100929		34.0	-60	47	5.8	*.018	B3	+ 9.1	b	4	W	
7056'	\$ Crt	100889		34.1	-09	32	4.8	.065	B9n	+ 1	c	17	3	*
7057	V Leo	100920		34.4	-00	33	4.5	.038	gG8	+ 1.0	a	17	3	*
7058	15928	100949		34.5	-22	40	6.7	.059	gKO	+ 21.6	b	3	W	
7059	15933	100933		34.6	+62	28	7.5	.023	gM3	- 27.5	b	3	3	W
7060	15935	1Q1021		34.7	-61	00	5.1	.221	K2	+ 3.4	b	3	3	W
7061	15939	100972		34.9	+45	00	6.6	.021	B9n	+ 17	d	5	D	
7062	22° 2383	101025		35.1	+21	58	8.2	.022	sgF2	- 5.7	b	3	L	
7063	SU Dra	100971		35.1	+67	36	9.4v	.082	A2-A5	-180	c	8	W	RR 0.66
7064	15945	101067		35.1	-47	28	5.4	.082	K2	- 1.0	a	5	5	LC
7065	15947	101013		35.2	+50	54	6.0	.068	K0	- 4.0	b	3	3	V
7066	15956	101091		35.5	+32	09	7.1	.041	F2	- 12.9	b	5	D	
7067	15961	101112		35.6	+09	10	6.6	.062	K0	+ 11.1	b	4	D	
7068	15962	101107		35.7	+43	54	5.5	.151	dA7n	+ 2	c	7	7	YW
7069	15965	101189		35.8	-61	33	5.3	.068	A0	+ 3.7	b	3	L	*
7070	15967	101154		35.8	-02	10	6.2	.033	gK1	- 15.0	b	3	3	W
7071	15970	101133		35.9	+47	07	6.2	.053	F2	- 24.0	b	9	DV	*
7072	15971	101153		35.9	+08	25	5.5	.009	gM6	+ 3.9	b	10	LW	*
7073	15972	101151		35.9	+33	54	6.4	.039	K2	- 5.7	b	4	D	
7074	ST Leo	.....		36.0	+10	50	10.7v	.....	.....	+180	d	2	W	RR 0.48
7075	30° 2180	.....		36.0	+30	02	8.1	.036	eF8 &*	- 6.3	b	5	W	
7076	15974	101150		36.0	+64	37	6.4	.016	A2n	- 22	c	3	V	
7077	A 8250C	.....		36.1	+45	23	9.0	.014	cG5	- 40.4	a	4	W	
7078	A 8250B	.....		36.1	+45	23	8.4	.627	dK5	- 14.3	b	23	W	Orb Sanford
7079	A 8250A	101177		36.1	+45	23	6.5	.594	dG1	- 17.5	a	28	W	*
7080	L Crt	101198		36.1	-12	56	5.6	.144	dF5	- 23.8	b	3	W	
7081	15979	101178		36.2	+39	27	7.4	.013	gM1	- 36	c	2	L	
7082	15983	101206		36.3	+42	36	8.4	.465	dK5	+ 14.8	a	24	W	Orb. Sanford
7083	C 1437	101227		36.5	+44	35	8.0	.259	dG4	+ 14.0	b	5	W	
7084	45° 1951	101300		37.1	+44	48	8.2	.032	gG4	+ 3.6	b	4	W	
7085	16004	101379		37.2	-65	07	5.1	.038	F7	+ 4	c	3	L	SB *
7086	16008	101S70		37.3	-16	21	6.5	.019	gM2	+ 26	c	4	W	
7087	CC 655	.....		37.5	+67	36	12.3	3.20	sdMO	-118	b	3	W	
7088	a Hya	101431		37.7	-34	28	4.9	0.036	B8	+ 5.9	b	3	L	
7089	16020	101391		37.7	+58	15	6.1	.020	AO	+ 3.6	b	8	V	
7090	RW UMa	.....		38.1	+52	16	9.9v	.....	*	- 17.5	b	24	Md	dF9+dG0 *
7091	16030	101484		38.2	+21	38	5.4	.078	gK1	+ 9.3	b	3	L	
7092	16035	101501		38.4	+34	29	5.5	.300	dG6	- 5.4	a	9	3	*
7093	16037	101570		38.5	-61	49	4.9	.018	cG6	+ 14.2	b	21	CL	SB *
7094	16044	101563		38.7	-28	55	6.5	.387	dGO	- 20	c	4	W	SB (22)
7095	44° 2115	101549		38.7	+44	17	7.8	.012	A3n	- 9	c	4	W	
7096	16048	1016151		33.9	-42	40	5.7	.088	AO	+ 8	c	6	L	
7097	16051	101606		39.0	+32	01	5.7	.349	dF1	+ 31.5	b	7	W	*
7098	45° 1955	101585		39.0	+44	28	7.8	.025	gM3	- 0.4	b	3	W	
7099	16052	101604		39.0	+55	27	6.4	.022	K4	- 6.6	b	4	D	
7100	RU UMa	101605		39.0	+38	45	8.5v	.....	gM3e	- 55	c	2	W	Em -63 *

Cat; No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'		//	km/sec					
7101	16053	101620	11	39.1	+41	31	6.8	0.064	F5	- 8.3	b	4	D	
7102	16055	101666		39.2	-32	13	5.3	.049	M1	+ 33.7	a	5	L	
7103	2248	101642		39.3	+26	12	8.0	.094	dF8	- 23	c	2	L	
7104	L 1405-28	.....		39.5	+27	00	10.5	1.06	dM3	+ 10	c	4	Md	
7105	16066	101688		39.5	+22	29	6.6	0.115	F2	- 23	c	12	MiV	*
7106	68° 658	101656		39.6	+68	28	9.1	.67	dG4	- 1	c	4	W	
7107	16072	101673		39.7	+67	01	5.5	.060	gK2	+ 3.4	b	6	LW	*
7108	16074	101730		39.9	+02	38	7.0	.063	F5	+ 5	c	3	S	
7109	44° 2118	101716		39.9	+44	03	8.0	.053	dF8	- 25.7	b	4	W	
7110	16088	101853		41.0	+42	00	6.8	.024	gG8	+ 2.8	a	11	VW	*
7111	16092	101947		41.1	-62	13	5.2	.011	cG4	+ 10.1	b	3	L	
7112	16097	101933		41.4	-06	24	6.2	.073	gG8	- 3.0	b	5	W	
7113	83° 336	101828		41.4	+82	36	7.8	• ...	cG5	- 16	c	2	L	
7114	3° 3167	101969		41.5	-04	32	8.1	.066	dF4	+ 19	c	2	L	
7115	16105	101980		41.6	+25	30	6.2	.022	K5	- 3.2	b	5	D	
7116	16106	101967		41.6	+44	46	7.8	.209	dF4	+ 15.1	b	5	W	
7117	26° 2251	.....		42.1	+25	50	10.7	.52	sdF5	+186	c	11	MdW	SB *
7118	16110	102056		42.1	+28	57	7.0	.023	A0	- 11	c	11	DS	
7119	t Crt	102070		42.2	-18	04	4.9	.051	gG8	- 4.6	a	5	L	
7120	Z Dra	.....		42.7	+72	32	10.8v	• ...	A5	- 31	b	39	Md	EA 1.36 *
7121	£ Vir	102124		42.7	+08	32	5.1	.066	A3n	- 0.5	b	19	4	*
7122	28° 2039	102142		42.9	+27	29	7.3	.036	G5	+ 8.6	b	4	D	
7123	16123	102158		42.9	+47	57	8.0	.655	dF9	+ 24.4	b	3	W	
7124	20° 3500	102165		42.9	-21	12	7.6	.037	sgF7	+ 19	c	2	L	
7125	16127	102159		43.0	+36	10	7.2	.057	gM5	+ 59.2	b	4	WL	*
7126	X Mus	102249		43.2	-66	27	3.8	.096	A5	+ 16.3	a	6	L	
7127	16133	102232		43.2	-45	25	5.4	.055	B8	- 6.8	b	3	L	
7128	v Vir	102212		43.3	+06	49	4.2	.189	gM1	+ 50.7	a	16	4	*
7129	X UMa	102224		43.4	+48	03	3.8	.139	gK1	- 8.8	a	14	3	*
7130	16138	102253		43.5	+07	27	7.1	.048	gM2	- 19.3	b	4	W	
7131	51° 1696	.....		44.0	+51	10	9.6	.992	sdGO	+ 61	d	2	Md	
7132	16147	102350		44.1	-60	54	4.2	.038	GO	- 3.5	a	11	LC	*
7133	16149	102365		44.1	-40	14	5.0	L588	dG4	+ 15.0	a	10	3	*
7134	16153	102328		44.3	+55	54	5.4	0.040	gK3	+ 1.7	a	7	LW	*
7135	AC 79° 3888	.....		44.3	+78	57	11.0	.87	sdM4	-119	c	4	WMd	*
7136	16156	102357		44.4	+24	00	6.8	.078	F6	+ 7.5	b	3	S	
7137	16159	102326		44.6	+77	19	8.9	.207	dG7	- 93	c	4	W	
7138	16165	102461		44.9	-57	25	5.4	.032	M2	- 51.6	b	4	LC	*
7139	CC 662	.....		45.1	+01	07	11.0	1.40	dM5	- 13	c	3	WMd	*
7140	16171	102510		45.3	+08	31	5.2	0.057	A1	- 0.9	b	18	4	*
7141	16173	102509		45.4	+20	30	4.5	.150	dF4	+ 0.2	a	72	O	Orb. Cannon
7142	p. Mus	102584		45.8	-66	32	4.7	.035	M2	+ 37.4	b	4	L	
7143	16177	102555		45.8	+28	42	7.2	.097	F2	+ 17.7	b	5	D	
7144	46° 1747	102570		46.0	+46	24	8.2	... »	dF3	+ 5	c	2	L	
7145	16180	102589		46.0	+29	05	7.0	.026	A2	- 5.8	b	5	D	
7146	16181	102590		46.1	+14	34	5.9	.107	dA6n	+ 9	c	8	VW	*
7147	16183	102620		46.2	-26	28	5.4	.032	gM4	+ 6.8	b	10	3	*
7148	X Crt	.....		46.4	-10	10	10 v	• ...	• ...	+ 50	d	1	W	RR 0.73
7149	16187	102634		46.5	-00	02	6.2	.219	F8	+ 4	c	6	sv	*
7150	8° 3243	102651		46.5	-08	50	7.5	.009	gG6	+ 14	c	2	L	

Cat. No.	Star	E.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			<i>h</i>	<i>m</i>	<i>o</i>	<i>r</i>		<i>rt</i>	km/sec					
7151	/3 Leo	102647	11	46.5	+14	51	2.2	0.511	A4n	- 0.1	b	42	5	*
7152	11° 3184	102652		46.5	-12	20	8.3	.048	sgF2	+ 16	d	2	L	
7153	16192	102660		46.7	+16	31	6.0	.086	A3	- 23.2	a	21	V	Orb. Petrie
7154	X Cen	102681		46.7	-41	29	7.0v	.028	gM6e	+ 38	b	4	L	Em +26.2 *
7155	30° 2194	102686		46.9	+29	46	7.6	.039	gG6p	+ 0.1	b	3	L	
7156	16199	102713		47.1	+35	13	5.8	.116	dF5	- 7.3	a	17	V	Orb. Harper
7157	16201	102776		47.2	-63	31	4.5	.023	B5ne	+ 37	c	4	L	
7158	16206	102839		47.5	-69	57	4.9	.018	cK2	+ 18.2	a	6	L	
7159	NGC 3918	102854		47.8	-56	54	.....	.....	Pe	- 16.4	b	3	L	Em. PL. neb.
7160	& Vir	102870		48.1	+02	03	3.8	.792	dF8	+ 4.7	a	42	7	*
7161	12° 3505	102885		48.1	-12	35	7.3	.034	gK5	- 25.3	b	4	L	
7162	16219	102910		48.4	+12	33	6.2	.126	A3	+ 6.9	b	3	V	
7163	16220	102928		48.5	-05	03	5.8	.007	sgKO	+ 12	c	3	W	SB (28)
7164	16223	102942		48.6	+33	39	6.1	.024	dF1	+ 2.2	b	13	WV	F2+A2 *
7165	16226	102964		48.6	-44	54	4.7	.089	K4	+ 2.2	b	4	L	
7166	16227	102925		48.7	+69	07	7.1	.064	A2	+ 13	c	4	W	SB (58)
7167	16236	103026		49.2	-30	33	6.0	.295	dF5	+ 33.4	b	3	W	
7168	16241	103079		49.4	-64	56	5.1	.041	B7	+ 25.5	b	3	L	
7169	16248	103112		49.8	+10	13	7.8	.336	dK1	+ 10.7	b	3	W	
7170	16253	103095		50.1	+38	05	6.5	7.042	dG5	- 98.3	b	17	3	*
7171	16255	103152		50.2	+15	43	6.7	0.076	A5	- 8.8	b	6	S	
7172	S Crt	103154		50.2	-07	19	8.4v	.011	gM6	+ 32	c	2	W	SR 155
7173	23° 10243	103191		50.3	-24	12	8.7	.297	dG5	- 0.5	b	3	W	
7174	0 Hya	103192		50.4	-33	38	4.4	.055	B9	- 1	c	5	L	
7175	16259	103126		50.7	+86	30	9.1	.326	dKO	+ 10	c	4	W	SB (24)
7176	16266	103246		51.0	+74	02	6.8	.131	dF7	- 35.3	b	3	W	
7177	y UMa	103287		51.2	+53	58	2.5	.094	AOne	- 12.9	a	56	4	*
7178	16271	103313		51.3	+00	50	6.4	.042	A5	+ 10	c	3	V	
7179	16272	103311		51.3	+14	18	8.1	.026	dFO	+ 6.4	b	3	W	
7180	16274	103327		51.3	-03	30	7.3	.060	dG6	+ 26	c	3	W	
7181	72° 550	103321		51.4	+72	12	7.5	.....	dF5	- 7.3	b	3	W	
7182	-0° 2507	103341		51.5	-00	46	8.5	*.022	gG7	+ 11.9	b	3	W	
7183	16283	103432		52.0	+19	41	8.4	.452	dG6	+ 7.7	b	4	W	
7184	16284	103431		52.0	+19	42	8.4	.451	dG7	+ 4.0	b	4	W	
7185	16286	103462		52.2	-25	26	5.5	.088	gG4	- 10.7	a	10	3	*
7186	16290	103459		52.3	-01	10	7.9	.343	dG5	+ 18.3	b	3	W	
7187	+0° 2858	103486		52.4	-00	17	8.3	.042	gF2	0	c	4	W	SB (32)
7188	16294	103484		52.5	+08	43	5.6	.032	gKO	- 9.6	b	3	W	
7189	A 8347A	103483		52.5	+46	45	6.5	.001	A2	- 8	c	13	3	SB *
7190	A 8347B	103498		52.6	+46	45	6.8	.009	AO	- 7	c	8	DV	*
7191	16299	103500		52.7	+37	02	6.5	.079	gM2	+ 18.9	b	6	DW	*
7192	16302	103543		52.8	+25	48	7.0	.063	K2	+ 8	d	1	V	
7193	16311	103578		53.1	+15	55	5.5	*.012	A3	- 21.4	a	35	y	Orb. *
7194	Lee 107	.....		53.1	+12	51	11.3	.....	R5	-137	b	5	W	
7195	16312	103598		53.1	-28	12	6.1	*.034	gK5	+ 11.3	b	4	W	
7196	16315	103605		53.4	+56	53	5.9	.009	gKD	+ 12.6	b	3	W	
7197	16318	103628		53.4	+22	16	8.0	.089	sgF7	+ 23	c	2	L	
7198	-0 ^{fl} 2512	103631		53.5	-01	10	8.5	.032	dF6	+ 1.8	b	3	W	
7199	1} Crt	103632		53.5	-16	52	5.2	.054	A0	+ 15	c	8	LY	*
7200	16322	103061		53.6	+16	00	8.5	.044	gM4	- 29.1	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		"	km/sec					
7201		16323 103660	11	53.7	+29	08	7.5	0.043	G9	- 12	d	1	V	
7202		16325 103676		53.8	+26	57	6.9	.155	F0	+ 9.8	b	5	D	
7203	Z	UMa 103681		53.9	+58	09	6.6v	.029	gM-Se	- 53	c	2	W	Em -58 *
7204		16336 103736		54.3	+61	50	6.3	.053	G5	+ 17.1	b	4	D	
7205		16347 103799		54.7	+40	37	6.5	.182	F5	+ 26.2	b	4	D	
7206	C	1485 103813		54.8	+27	02	7.4	.146	K1	+ 34	c	2	V	
7207		16357 103884		55.1	-62	10	5.7	.027	B5	+ 16	c	6	L	
7208		16365 103932		55.5	-27	25	7.2	1.249	dK6	+ 52	c	6	WMd	SB *
7209		16368 103928		55.6	+32	33	6.3	0.128	F0	+ 2	c	14	MiV	*
7210		16370 103945		55.7	+03	46	6.9	.014	gM4	- 22	c	3	W	
7211		16371 103961		55.7	-56	02	5.6	.024	B8	- 23	e	1	L	
7212		16373 103953		55.8	+61	45	6.7	.042	G5	- 25.9	b	4	D	
7213		16385 104055		56.5	+00	49	6.5	.067	gK3	+ 11.8	b	3	W	
7214		16392 104075		56.7	+33	27	6.0	.006	gKO	- 0.7	b	3	W	
7215	€	Cha 104174		57.1	-77	57	5.0	.040	B9	+ 22	c	4	L	
7216		16406 104181		57.4	+03	56	5.2	.024	A0	- 2.5	a	36	4	*
7217		16408 104179		57.4	+34	19	6.3	.073	FO _n	- 8.3	b	4	V	
7218		16410 1Q4207		57.5	+19	42	7.1	.104	gM4	+ 34.5	b	3	W	
7219		16414 104216		57.7	+81	08	6.4	.078	gM4	+ 31.9	b	4	W	
7220	SV	Vir		57.8	-09	56	15 ^y	.....	gM4e	- 15	d	1	W	Em P297
7221		16421 104304		58.2	-10	10	5.6	.498	dG7	+ 0.4	b	7	WV	*
7222		16423 104337		58.3	-19	23	5.3	.017	B4 _n	+ 1.7	b	31	O	IS -2.0 b *
7223	29°	2245 104319		58.3	+29	28	8.5	.058	dGO	+ 15.3	b	4	W	
7224	7T	Vir 104321		58.3	+06	54	4.6	.034	A3	- 23	c	24	4	SB *
7225		16426 104356		58.5	-01	29	6.4	.077	gG8	+ 35.6	b	4	W	
7226	AG	Vir 104350		58.5	+13	17	8.8v	.029	A2	- 16	b	27	W	EB 0.64 *
7227	20°	3560 104415		58.9	-21	15	8.3	.....	dF6	+ 61	c	3	L	
7228		16437 104436		59.1	+65	13	7.2	.062	gA8	- 4.9	b	4	W	
7229		16438 104435		59.1	+71	08	7.4	.011	gKO	+ 3.1	b	3	W	
7230		16439 104438		59.1	+36	19	5.6	.129	gK1	+ 29.7	b	5	WV	*
7231		16442 104452		59.2	+22	22	6.6	.043	dF7	+ 11.1	b	15	VW	*
7232	30°	2212 104451		59.2	+29	49	8.4	.062	gF3	- 13	d	4	W	SB (79)
7233		16445 104513		59.6	+43	19	5.1	.329	A5	+ 5.5	b	16	4	*
7234		16453 104556	12	00.0	+43	22	6.8	.629	dG9	- 13.1	b	3	W	
7235	B	Cm 104671		00.5	-63	02	4.5	.146	A5	- 2.4	a	111	LC	Orbits *
7236	29°	2251 104688		00.8	+29	24	8.5	.016	gK4	- 5.7	b	4	W	
7237	30°	2217 104710		01.0	+29	57	7.7	.038	gM5	- 4.2	b	3	W	
7238		16472 104731		01.1	-42	09	5.3	.347	dF4	+ 36.5	a	8	3	*
7239		16475 104755		01.2	+05	50	6.5	.172	dF3	+ 6	c	9	VW	SB *
7240		16483 104800		01.5	+03	38	9.3	.605	sgGO	+ 11	c	3	W	
7241	R	Com		01.7	+19	04	7.3x	.....	gM5e	- 3	b	5	W	Em -17 *
7242	A	8406A 104827		01.7	+21	44	5.8	.038	dA8	+ 4.8	b	3	W	
7243	A	8406B		01.7	+21	44	7.5	.....	dE2	+ 12.3	b	3	W	
7244		16490 104841		01.7	-62	53	5.0	*.017	B3	+ 16.3	a	26	L	Orb. Grattan
7245		16493 104878		02.1	-68	03	5.4	.050	AO	+ 23	c	4	L	
7246		16496 104904		02.2	+85	52	6.4	.103	dF6	+ 7.5	b	7	DW	*
7247	K	Cha 104902		02.2	-76	14	5.0	.081	K6	- 2.4	b	4	L	
7248	o	Vir 104979		02.7	+09	01	4.2	.225	sgG5	- 29.8	a	18	5	*
7249		16513 104388		02.7	-01	14	8.4	.521	dKO	+ 14.1	b	3	W	
7250	74°	484 104986		02.7	+73	43	7.6	.....	gG9	- 54	c	3	L	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
7251	SU Vir	104959	12	02.7	+12	38	8.4v	.....	gM3e	+ 22	b	3	W	Em +12.1 *
7252		16514		02.7	+77	11	6.0	0.176	gG8	- 19.8	b	11	VW	*
7253		16520		03.0	-05	34	6.8	.014	gM3	- 18.8	b	3	W	
7254	A 8414A	105031		03.0	+52	13	7.0	.014	gG5	- 18.0	b	5	W	
7255	A 8414B	.....		03.0	+52	13	8.0	.....	gFO	- 16.7	b	3	W	
7256	A 8413E	105029		03.0	+69	02	8.1	.058	gM4	+ 12.2	b	3	W	
7257	A 8413A	105028		03.0	+69	04	7.6	.048	gKO	- 24.0	b	3	W	
7258		16524		03.1	+63	13	6.2	.094	gK2	- 25.8	b	9	VW	*
7259		16530		03.4	-02	51	6.5	.040	gG8	+ 16.6	b	3	W	
7260		16535		03.5	+68	59	7.1	.027	dF5	- 12.1	b	3	W	
7261	28°	2077		03.6	+27	50	9.7	.090	dF9	- 2.8	b	3	W	
7262	30°	2223		04.1	+29	46	8.5	.060	gK4	- 16.7	b	4	W	
7263	8°	3288		04.2	-09	08	8.1	.036	dF7	- 6	c	2	L	
7264	17	Cru		04.3	-64	20	4.3	.057	F2	+ 9.0	a	51	LC	SB *
7265		16555		04.6	+13	16	7.0	.058	B9	+ 41.4	b	9	SD	*
7266	4°	3208	.....	04.8	-05	27	10.1	.54	sdA7	+ 56	c	7	Md	*
7267		16572	105340	05.2	-75	05	5.2	.089	MO	- 45.3	a	7	LC	*
7268		16575	105383	05.5	-50	29	6.5	.044	B9n	+ 14.8	b	4	L	
7269		16576	105382	05.5	-50	23	4.8	.045	B5	+ 16.5	b	4	L	
7270	31°	2331	105388	05.5	+31	20	7.2	.019	AO	- 6.5	b	12	DS	*
7271	+0°	2897	105390	05.6	-00	07	8.9	.034	dF4	- 19.4	b	4	W	
7272	A 8434A	105421		05.6	+55	45	8.0	.187	dF8	+ 4.0	b	3	W	
7273		16581	105416	05.6	-48	25	5.6	.042	AO	+ 6	e	1	L	
7274	A 8434B	105422		05.7	+55	45	8.4	.184	dG1	+ 7.5	b	4	W	
7275	5	Cen	105435	05.8	-50	27	2.9	.042	B3ne	+ 9	c	13	L	
7276	oc	Crv	105452	05.8	-24	27	4.2	.096	dF2	+ 4.4	a	11	3	*
7277	CC	684	.....	05.9	-00	12	10.8	.96	dM1	+ 31	c	2	W	
7278	UU	Vir	.....	06.0	-00	13	9.8v	.005	.....	- 20	c	2	W	RR 0.48
7279		16589	105475	06.1	+26	46	7.2	.068	dG9	+ 2	d	1	V	
7280		16593	105521	06.3	-40	57	5.6	.034	B3	0	c	5	L	
7281		16597	105548	06.7	+17	28	7.4	.032	gM1	+ 35.8	b	3	L	
7282		16601	105590	06.9	-11	35	6.8	.354	dG2	+ 5	c	4	W	SB (22)
7283		16607	105631	07.1	+40	32	7.4	.321	dK1	- 3.1	b	3	W	
7284		16608	105639	07.1	+02	11	6.1	.189	gK3	+ 2.8	b	4	W	
7285		16612	105678	07.4	+74	56	6.4	.002	F5	- 19.3	b	7	DV	*
7286	43°	2195	105679	07.4	+42	34	8.0	.079	dF7	+ 4	c	2	L	
7287		16616	105702	07.5	+06	05	5.7	.161	gF5	- 9.1	b	10	VW	*
7288	25°	2468	105698	07.5	+24	31	8.7	.016	dF8	- 20	c	4	L	
7289	€	Crv	105707	07.5	-22	21	3.2	.069	gK3	+ 4.9	a	42	CL	*
7290	NGC	4147	.....	07*6	+18	49	11.0	.....	A5	+191	e	4	L	Glob. cl.
7291	18°	3337	105730	07.7	-19	30	7.7	.....	gK5	- 5.7	b	3	L	
7292	29°	2263	105771	07.9	+29	20	7.8	.034	KO	- 4.6	b	4	D	
7293		16625	105778	08.0	+17	05	6.3	.022	AQn	- 11.3	b	13	VW	*
7294		16626	105791	08.0	+65	56	8.7	.315	dF1	+ 69	c	4	W	
7295		16630	105805	08.2	+27	34	5.8	.021	A2	- 9	d	6	V	SB (48)
7296	CC	687	.....	08.4	+00	41	10.9	.43	sdF2	+ 98	d	3	Md	
7297		16638	105850	08*5	-23	19	5.4	.069	A2	+ 11	c	5	L	
7298		16640	105901	08.7	-05	39	8.2	.293	cG4	- 8	c	4	W	SB
7299		16641	105943	08.8	+81	59	6.3	.028	gK5	- 26.5	b	3	W	
7300	A	84MB	.....	09.0	+53	42	7.7	.244	dK1	+ 4	c	3	W	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'			km/sec						
7301	A 8450A	105963	12	09.0	+53	42	7.5	0.206	dK2	- 9.1	b	4	W		
7302	P Cen	105937		09.0	-52	05	4.2	.049	B3n	+ 21	c	4	L		
7303		16655		105967	09.1	+04	20	6.8	A8	- 5.1	b	6	WV	*	
7304		16658		106002	09.3	+57	20	6.5	gK5	+ 34.8	b	3	W		
7305		16659		105981	09.3	+26	09	5.8	gK4	+ 22.3	a	42	V	Orb. Harper	
7306		16663		106053	09.5	+77	43	6.6	A2	- 15	c	6	D		
7307		16664		106022	09.5	+28	49	6.4	F2	- 15	c	14	3	*	
7308	14°	2481		.....	09.5	+13	33	<u>10.4</u>	.447	sdF5	+ 95	c	2	Md	*
7309		16667		106057	09.6	+20	49	5.7	.034	gG8	- 24.7	b	10	VW	*
7310		16672		106112	09.9	+77	54	5.1	.019	A5	- 0.2	b	60	Y	Orb. Lee
7311	28*	2087		106103	09.9	+27	38	8.1	.018	dF4	+ 0.2	b	3	L	
7312		16674		106116	09.9	-02	49	7.4	.725	dG6	+ 10.8	b	3	W	
7313	S Mus	106111		106111	10.1	-69	52	<u>7.3</u> _v	.023	cG1v	0.0	b	6	L	Cep 9.66 *
7314		16680		106127	10.1	-02	12	7.4	.046	gK5	+ 8	c	3	L	
7315		16685		106156	10.4	+10	19	8.0	.438	dK1	- 8.8	b	4	W	
7316		16688		106210	10.7	+11	06	7.9	.606	dG2	- 29.5	b	3	W	
7317	22°	2451		106224	10.7	+22	19	7.4	.056	A2	- 26	d	5	S	SB (69)
7318		16691		106223	10.8	+30	34	7.5	.071	A2	- 17	c	8	D	
7319		16692		106231	10.8	-38	39	5.9	.017	B5	- 47	c	4	h	*
7320		16693		106251	10.9	+10	32	5.8	.098	cA6	+ 2.3	b	5	WV	*
7321	23°	2433		106293	11.2	+23	10	8.0	.010	dF4	- 11	c	2	L	
7322		16703		106321	11.4	-45	27	5.3	.049	M0	+ 6.8	b	7	LC	SB *
7323	42°	2281		106348	11.5	+42	26	8.1	.070	dF4	- 15	c	2	L	
7324		16707		106343	11.6	-64	08	6.4	.011	B1	- 7.0	b	3	L	
7325	A 8470A	106365		106365	11.6	+33	04	6.8	.113	gK3	- 10.3	b	4	W	
7326	A 8470B	.....		.....	11.6	+33	04	8.8	.....	dF8	- 4	^	4	W	
7327		16712		106384	11.7	-05	26	6.5	*.141	dF3	+ 9.1	b	3	W	
7328	AH Vir	.....		.....	11.8	+12	06	<u>9.7</u> _v	.106	K0	+ 10	b	31	Md	EB 0.41 *
7329	T Vir	106430		106430	12.0	-09	45	<u>8.2</u> _v	.005	gM6e	+ 22	c	3	W	Em +8 *
7330		16721		106478	12.3	+53	43	6.3	.028	gKO	+ 0.1	b	3	W	
7331		16723		106485	12.4	-20	34	6.0	.003	gG7	+ 16	c	4	W	
7332	6 Cm	106490		106490	12.5	-58	28	3.1	.041	B3	+ 26.4	b	4	L	
7333	A 8477B	.....		.....	12.5	-06	59	8.3	.240	dG8	+ 18.1	b	4	W	
7334	A 8477A	106515		106515	12.6	-06	59	8.0	.245	dG5	+ 21.6	b	27	W	SB (37)
7335		16731		106516	12.6	-10	01	6.1	1.024	dF3	+ 6.4	b	5	W	
7336		16733		106574	12.8	+70	29	5.9	0.035	gK2	- 14.0	b	10	VW	*
7337	6 UMa	106591		106591	13.0	+57	19	3.4	.106	A2n	- 12.9	b	36	5	*
7338	r Crv	106625		106625	13.2	-17	16	2.8	.163	B8	- 4.2	b	28	3	*
7339		16744		106677	13.4	+72	50	6.6	.042	K0	- 48	c	7	D	SB
7340		16745		.....	13.4	+05	55	9.3	.301	dK6	+ 43.7	b	3	W	
7341		16747		106661	13.5	+15	11	5.1	.091	A2n	+ 10	c	33	4	SB *
7342	28°	2095		106678	13.5	+28	20	8.2	.020	F4	- 8.6	b	4	L	
7343	A 8489A	106690		106690	13.6	+40	56	5.8	.042	gMO	- 14.9	b	3	W	
7344	A 8489B	.....		.....	13.6	+40	56	8.0	.....	dF6	- 17	e	2	W	
7345	26*	2321		106691	13.6	+26	02	8.1	.010	SgF5	+ 3	c	6	L	
7346		16752		100714	13.8	+24	13	5.1	.032	gG8	- 27.7	a	9	LB	*
7347		16754		1G6Y6Q	14.0	+33	20	5.1	.131	gm	- 41.5	a	11	LW	Orb. Christie
7348		16756		106798	14.1	+80	24	7.3	.019	dA8n	- 10	c	4	W	
7349	A 8405A	106784		106784	14.2	+39	52	7.1	.021	A2	+ 4	c	4	W	
7350	A 8495B	.....		.....	14.2	+39	52	10.0	.....	dG5	+ 6.7	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.	Decl.										
			<i>h</i>	<i>m</i>	<i>o</i>	<i>'</i>			km/sec					
7351	16759	106811	12	14.3	+63	54	8.4	0.282	dG3	+ 53	c	4	W	
7352	16763	107192		14.7	+87	59	6.3	.060	dFO _n	- 3.8	b	7	DW	*
7353	€ Mus	106849		14.9	-67	41	4.2	.237	sgM6	+ 7.1	a	19	LC	*
7354	16766	106887		15.0	+29	13	5.7	.054	dA5 _n	- 6.7	b	13	VW	*
7355	16767	106884		15.0	+53	28	6.0	.064	gK6	- 41.4	b	5	V	
7356	16768	106888		15.1	+14	43	8.1	.110	dF8	0	c	3	W	
7357	16771	106926		15.2	+15	25	6.5	.082	K0	- 42	c	7	D	SB
7358	25° 2482	106947		15.3	+25	18	8.5	.030	dGO	- 12	c	4	L	
7359	16773	106949		15.3	+15	18	8.3	.148	dF6	+ 7.8	b	3	W	
7360	26° 2323	106946		15.3	+25	51	8.0	.016	dF1	- 1.1	b	3	L	
7361	0 Cha	106911		15.4	-79	02	4.4	.035	B5 _n	+ 23	c	3	L	
7362	16778	107113		15.4	+86	43	6.3	.210	dFO	- 5.5	b	3	W	
7363	SW Dra	.....		15.4	+69	47	9.2 _v	.022	F4	- 40	e	8	W	SB (82) *
7364	16780	106972		15.5	+18	43	7.5	.030	dF5	- 27	c	3	W	
7365	A 8505B	106975		15.6	-03	41	7.0	.022	dF5	+ 0.6	b	3	W	
7366	A 8505A	106976		15.6	-03	40	6.6	.024	dF4	- 1	c	2	W	
7367	16784	107028		15.7	+69	04	7.8	.122	dG3	- 29.2	b	3	W	
7368	28° 2100	106999		15.7	+27	35	7.5	.038	A4	- 8.2	b	8	LS	*
7369	t Cru	106983		15.7	-63	44	4.3	.050	B3	+ 18.7	b	7	L	
7370	16789	107054		16.0	+30	32	6.1	.158	dA7 _n	- 18	c	14	3	F5+A2 *
7371	23° 2447	107067		16.1	+23	24	8.6	.022	dF9	- 1.1	b	3	L	
7372	16790	107070		16.1	-00	31	5.9	.034	A3 _n	- 14	c	6	VW	*
7373	A 8506A	107068		16.2	+12	04	9.1	.040	dG1	+ 13	c	5	W	
7374	A 8506B	.....		16.2	+12	04	9.3	.....	dG2	+ 17	c	3	W	
7375	16792	107079		16.3	-54	52	5.0	.083	Ma	- 7.1	b	9	LC	SB *
7376	25° 2486	107132		16.5	+25	07	8.9	.029	dF9	+ 1	c	4	L	
7377	16795	107131		16.5	+26	17	6.4	.027	A3 _n	0	c	14	3	*
7378	16796	107146		16.6	+16	50	7.0	.234	dG3	+ 6.2	b	4	W	
7379	16797	107193		16.6	+75	26	5.4	.032	A2	- 4	c	16	3	*
7380	25° 2487	107159		16.7	+25	20	7.8	.031	A9 _n	+ 9.7	b	3	L	
7381	15° 3450	107149		16.7	-16	00	7.8	.021	gM1	+ 14	c	4	W	
7382	16798	107161		16.8	-08	38	7.0	.029	gKO	- 11.7	b	3	W	*
7383	16799	107168		16.8	+23	19	6.2	.028	gA8	+ 1.4	b	8	3	*
7384	10800	107170		16.8	+14	49	6.7	.070	gG9	+ 25.4	b	3	W	
7385	Tr 63	.....		16.8	+28	12	9.9	.038	dG1	- 24.4	h	4	T	
7388	25° 2488	107214		17.0	+24	33	9.0	.020	dG2	- 2	c	5	L	
7387	10804	10721S		17.0	+28	26	6.3	.239	dF8	- 7.8	b	8	WV	*
7888	€C 695	.....		17.0	+28	39	10.1	.64	dM2	- 95	c	4	w	
7381	E Crv	107199		17.0	-18	59	5.9 _v	.016	gM5e	- 22	c	2	Mi	Em -34 *
7300	16812	107276		17.3	+28	45	6.5	.1017	A2	- 0.7	b	9	LS	*
7391	if Vir	107259		17.3	-00	23	4.0	.068	A0	+ 2.3	b	87	3	Orbits *
7S92	16.814	107274		17.4	+49	16	5.6	.011	gM1	+ 8.3	b	11	WB	*
7383	10821	107288		17.5	+14	08	6.9	.060	gKO	+ 8.7	b	3	W	
73S4	1S822	107285		17.6	-21	53	6.1	.115	dG2	- 1.2	b	3	W	
7S95	16824	107301		17.7	-65	34	6.4	.053	B9 _n	- 8.3	b	3	L	
7396	1S825	107841		17.7	+38	11	0.7	.059	gG7	+ 44	b	3	W	
7397	1S327	107326		17.8	+26	17	8.1	.146	dA8 _n	+ 8	c	14	VW	*
7808	1S828	107328		17.8	+03	38	5.1	.301	gK1	+ 35*3	a	14	3	*
7399	16329	107325		17.8	+26	54	5.7	.130	gK2	- 9.8	b	8	W	
7400	t Crv	107348		18.0	-21	56	5.3	.103	B8 _{ne}	+ 2	d	7	LW	SB *

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'		//	km/sec					
7401	RY UMa	107397	12	18.1	+61	35	7.0v	0.040	gM3	- 11.5	b	3	W	SR 311
7402		16832		18.2	+27	20	7.1	.123	dF2	- 15	c	2	V	A 8519p
7403		16833		18.2	+27	20	7.1	.119	dF2	- 18	c	4	V	A 85191
7404		16835		18.2	+18	04	4.9	.139	gG6	+ 42.4	a	13	4	*
7405	26°	2330		18.2	+26	02	8.8	.016	dGO	- 2.4	b	5	L	
7406		16838		18.3	+15	49	6.5	.052	G6	- 21.8	b	4	D	
7407		16841		18.3	-13	17	5.4	.012	KK3	+ 13.4	a	12	3	*
7408	26°	2331		18.4	+26	12	9.0	.010	A2	- 8.6	b	3	L	*
7409		16843		18.4	+58	09	5.7	.088	£K5	- 42.6	b	9	VW	*
7410	C	1548		18.6	+25	18	7.4	.264	dKO	+ 24	c	8	V	
7411	6	Cru	107446	18.6	-60	08	3.6	.191	K2	- 4.6	a	13	LC	*
7412		16851	107486	18.7	+34	58	7.2	.050	K0	- 19	d	1	V	
7413	UV	Vir	.....	18.7	+00	39	9.8v	.....	.....	+ 95	d	1	W	RR 0.59
7414	25°	2495	107513	18.9	+25	17	7.1	.019	A7	0.0	b	10	SL	*
7415		16854	107582	19.1	+62	02	8.0	.387	dG1	- 82	c	2	L	
7416	27°	2117	107583	19.3	+26	47	9.1	.019	dG2	- 2.1	b	3	L	
7417		16857	107566	19.3	-67	15	5.3	.025	A5	- 17	c	4	L	
7418		697	107596	19.4	+42	25	9*1	.57	dMO	+ 14.7	b	4	W	
7419	Tr	87	.....	19.4	+25	57	9.4	.009	dF6	- 10	c	2	L	
7420	28°	2109	107611	19.5	+27	34	8.4	.027	dF7	- 1.4	b	5	L	
7421		16863	107612	19.5	+17	01	6.6	.082	A3p	+ 3.2	b	4	W	
7422	C	1553	107632	19.6	+42	30	9.2	.297	dG1	- 29.8	b	3	W	*
7423		16866	107655	19.7	+25	03	6.0	.064	A0	- 2.6	b	11	VS	
7424		16868	107642	19.7	-15	17	6.7	.030	gK2	+ 10.3	b	3	W	
7425	23°	2453	107685	19.9	+22	44	8.4	.018	dF7	- 0.8	b	3	L	
7426	A	8531A	107705	20.0	+05	35	6.5	.177	dF7	+ 5.1	b	3	W	
7427	A	8531B	.....	20.0	+05	35	9.0	.....	dK5	+ 6	c	4	W	
7428	A	8530A	107700	20.0	+26	07	4.8	*.0*18	dF2	+ 0.5	a	66	L	Orb. *
7429	A	8530B	107701	20.0	+26	07	8*3	* » *	dF8	- 1.6	b	4	L	
7430		16874	107760	20.1	+73	31	8.2	.484	dG6	- 97.9	a	24	W	Orb. Sanford
7431		16877	107696	20.1	-57	24	5.6	.051	B8	+ 1	c	2	L	
7432	26°	2340	107793	20.6	+26	07	8.9	.019	dGO	+ 6	c	5	L	SB
7433		16886	107814	20.7	-11	32	6.7	.073	gM3	+ 3.5	b	4	W	
7434		16887	107815	20.7	-24	34	5.8	.029	gK1	- 2.3	b	3	W	
7435	CC	701	.....	20.8	+64	18	12.9	.75	dM4	+ 60	d	1	Md	
7436		16892	107832	21.0	-35	08	5.4	.043	B9	- 10	c	3	L	
7437		16894	107854	21.0	+24	52	7.3	.022	gK1	+ 5	c	8	V	
7438	27°	2120	107853	21.0	+26	50	8.8	.010	gF7	+ 5.4	b	3	L	
7439		16896	107860	21.1	-38	38	5.9	.043	B9n	- 8	c	3	L	
7440		16897	107869	21.2	-30	03	6.6	.014	gMO	+ 69	c	2	W	
7441	27°	2122	107877	21.2	+27	16	8.3	.045	dF4	+ 1.8	b	3	L	
7442	Tr	102	.....	21.2	+26	53	9.2	.022	dGS	- 14	c	4	L	SB
7443		16899	107904	21.3	+42	49	6.0	.077	gFO n	- 10	c	9	WX	SB (29) *
7444		16904	107935	21.5	+26	08	6.6	.021	A5n	- 0.2	b	11	SL	*
7445		16906	107950	21.6	+51	50	5.0	.013	sgG7	- 13.1	a	IS	4	*
7446		10907	107937	21.6	+06	15	8.0	.028	gM4	+ 26	c	4	W	SB (28)
7447		16910	10798S	21.8	+26	23	5.1	.023	A2	+ 1.4	b	14	4	*
7448	S	Gen	107957	21.0	-49	10	9.2v	.018	N	+ 41	b	2	L	SR 65
7449	NGC	4361	107969	21.9	-18	30	10.9	* . . .	Pf	+ 10	c	3	L	Em PL neb.
7450		16911	108007	21.9	+25	52	0.3	.018	dASn	- 8	c	13	3	*

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.	Decl.								
7451	CC 703	.....	h	m		//		km/sec				
7452	C 1564	108076	12	22.2	-17 55	11.7	2.49	+ 58	b	4	W	
7453	16925	108081		22.4	+38 35	8.1	0.62	- 1.3	b	3	W	
7454	26° 2347	108102		22.4	-03 57	8.3	.270	+ 47	c	7	W	SB (34)
7455	16934	108135		22.6	+25 47	8.7	.013	- 1.6	b	4	L	
				22.7	+57 03	6.0	.028	- 17.2	b	3	W	
7456	SS Vir	108105		22.7	+01 03	5.9v	.005	+ 2	b	3	W	Em -22 *
7457	16937	108134		22.7	+60 58	7.4	.143	- 46.2	b	4	W	
7458	16938	108114		22.7	-34 55	5.8	.041	- 11.4	b	5	L	
7459	16940	108123		22.7	+24 12	6.1	.074	- 5.3	b	6	VW	*
7460	16941	108150		22.8	+64 05	6.4	.019	- 4	c	3	V	
7461	16942	108153		22.8	+32 09	9.3	.425	- 19	c	3	W	
7462	36° 2268	.....		22.8	+36 16	9.1	....	+ 43.3	b	5	W	
7463	24° 2457	108154		22.9	+23 30	8.5	.019	- 2.3	b	3	L	
7464	CC 706	.....		23.0	+01 34	9.6	.476	+159	c	2	Md	
7465	N 5139-1	.....		23.1	-47 08	10.7v	....	+176	d	1	W	RV
7466	4° 3276	108203		23.3	-04 35	8.1	.035	- 15	c	2	L	
7467	27° 2129	108226		23.4	+27 03	8.3	.011	- 3.0	b	5	L	
7468	16948	108225		23.4	+39 18	5.2	.084	- 3.5	a	13	3	*
7469	Tr 120	.....		23.6	+27 01	9.7	.023	+ 6.1	b	4	L	
7470	16951	108250		23.7	-62 51	5.1	.052	+ 27	d	6	L	
7471	a CruA	108248		23.8	-62 49	1.6	.042	- 11.2	b	17	L	Orbits *
7472	a CruB	108249		23.8	-62 49	2.1	.042	- 0.6	b	13	L	Orbits *
7473	16954	108257		23.8	-51 10	5.0	.056	+ 24	d	4	L	
7474	16955	108283		23.9	+27 33	5.2	.020	- 4.3	b	17	4	*
7475	SS Dra	108345		24.1	+68 58	9.3v	....	+ 33	c	2	W	SR 51.5
7476	16960	108399		24.2	+72 12	6.4	.156	+ 6.3	b	9	DW	*
7477	Tr 128	.....		24.3	+23 31	9.6	.028	- 43	c	5	L	
7478	y Com	108381		24.4	+28 33	4.6	.122	+ 3.9	a	12	3	*
7479	16965	108382		24.5	+27 06	5.0	.017	+ 1.7	b	17	4	*
7480	Tr 132	.....		24.6	+27 07	9.7	.019	- 4.8	b	5	L	
7481	16968	108355		24.6	-63 31	6.2	.042	+ 42	c	2	L	
7482	16969	108396		24.7	-58 43	5.4	.029	+ 71.1	a	7	LC	*
7483	A 8553A	108421		24.7	+27 18	9.2	.255	- 1.3	b	3	W	
7484	A 8553B	.....		24.7	+27 18	9.5	....	- 1	c	3	W	
7485	16976	108468		25.0	+18 07	7.5	.040	- 23.8	b	4	L	
7486	16978	108464		25*1	+41 38	6.8	.029	- 5.6	b	9	WV	F5+A3
7487	16980	108486		25.1	+26 11	6.6	.029	- 0.5	b	11	SL	*
7488	16982	108471		25.2	+08 53	6.4	.024	- 6.3	b	4	D	
7489	16985	108502		25*2	+55 59	5.8	.030	+ 17.1	b	3	W	
7490	16986	108477		25.2	-16 21	6.5	.020	- 8.3	b	3	W	
7491	16989	108506		25.3	-04 20	6.0	.088	- 12	c	8	SW	SB *
7492	0' Cen	108483		25.3	-49 57	4.2	.037	+ 12	d	4	L	
7493	28@ 2118	108519		25.4	+27 41	7.8	.049	- 7.3	b	3	L	
7494	C 1576	108523		25.5	-15 22	8.3	.305	+ 21.2	b	3	W	
7495	A 8561A	108574		25.7	+45 04	7.4	.189	- 0.1	b	3	W	
7496	A 8561B	108575		25.7	+45 04	8.0	.183	+ 1.3	b	3	W	
7497	17001	108541		25.7	-88 46	5.6	.036	+ 5	c	5	L	
7498	17002	108561j		25.8	+04 40	6.8	.065	+ 16	c	6	S	
7499	66° 761	108649		26.1	+65 45	8.1	*...*	- 6	c	2	L	
7500	17005	108042		26*1	+26 80	6.5	.028	+ 2.8	a	20	V	Orb. Harper

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
7501	6° 3580	.....	12	26.2	-07	14	9.6	0.45	dK5	+ 27	b	4	W	
7502	17007	108651		26.2	+26	11	6.7	.032	A2	- 1.6	b	13	3	*
7503	17012	108662		26.4	+26	11	5.4	.036	AOp	- 2.7	b	31	5	*
7504	17014	108680		26.6	-02	09	7.6	.023	#M4	- 35.4	b	3	W	
7505	32° 2250	108693		26.6	+31	40	8.1	.139	dF8	- 47.3	b	3	W	
7506	RR CVn	.....		26.7	+34	55	10.5v	.009	.....	- 10	d	1	W	RR 0.56
7507	82° 365	108832		26.7	+82	16	8.2	.....	sgF3	- 8.4	b	3	L	
7508	37° 7905	108683		26.7	-37	59	9.3	*.....	N	- 28	d	2	W	
7509	18° 2614	108714		26.8	+17	36	7.5	.059	A0	+ 2.4	b	4	D	
7510	17020	108722		27.0	+24	23	5.5	.031	sgF2	+ 25.1	b	7	L	
7511	17025	108754		27.2	-03	03	8.7	.666	dG6	- 4.1	b	4	W	
7512	Tr 150	.....		27.2	+24	48	9.7	.026	dG9	+ 3	c	5	L	SB
7513	17026	108765		27.2	+21	10	5.7	.046	Aln	- 5.6	b	12	WV	*
7514	A 8572B	.....		27.3	-16	15	8.2	.257	dK2	+ 7	c	3	W	
7515	6 Crv	108767		27.3	-16	14	3.1	.255	AOn	+ 9	c	28	4	A 8572A *
7516	25° 2513	108807		27.5	+24	37	7.8	.070	dF6	+ 1.5	b	3	L	
7517	17036	108799		27.5	-13	07	6.4	.255	dF8	+ 0.3	b	5	W	
7518	17038	108844		27.6	+58	41	5.4	.106	A5	+ 6.8	b	13	3	*
7519	17039	108821		27.7	-23	25	5.9	.025	gMO	- 11.3	b	3	W	
7520	17040	108845		27.7	+51	49	6.2	.289	dF6	+ 19.1	b	3	W	
7521	17042	108861		27.7	+59	03	6.2	.042	G8	- 16.5	b	4	D	
7522	SV Hya	.....		27.9	-25	46	9.8v	.015	.....	+100	d	1	W	RR 0.48
7523	17046	108907		27.9	+69	29	5.2	.082	gM4	- 13	c	7	LW	SB *
7524	17047	108875		28.0	+10	00	7.9	.079	dF5	- 14.0	b	3	W	
7525	A 8576A	108877		28.0	+03	47	7.4	.040	*G7	- 4.8	b	3	W	
7526	A 8576B	.....		28.0	+03	47	9.6	.....	dF5	+ 1	c	3	W	
7527	17050	108910		28.3	-03	47	7.1	..072	gK4	+ 84.3	b	3	W	
7528	*r Cru	108903		28.4	-56	50	1.6	.274	M4	+ 21.3	a	28	CL	*
7529	17053	108954		28.5	+53	21	6.2	.174	dF7	- 21.4	b	9	VW	*
7530	17056	108945		28.5	+24	51	5.4	.019	A2	+ 0.1	a	15	4	*
7531	17° 2489	108957		28.6	+16	53	7.5	.052	gK1	+ 10.9	b	3	W	
7532	24° 2466	108956		28.6	+24	04	7.1	.089	F9	- 42	d	3	S	SBv(23)
7533	28° 2125	108976		28.7	+28	00	8.4	.008	dF7	+ 1.8	b	4	L	
7534	CC 713	.....		28.8	+09	06	9.7	.84	dML	+ 21.2	b	3	W	
7535	17063	108985		28.8	+07	53	6.2	.030	K5	- 17.2	b	4	D	
7536	17065	108968		28.9	-59	09	5.4	.023	cG2	- 19.6	b	7	LC	SB *
7537	A 8585A	109005		29.0	-10	48	7.5	.051	A4	- 14	c	4	W	SB (46)
7538	A 8585B	.....		29.0	-10	48	8.3	.....	dF1	- 1	c	4	W	
7539	17071	109014		29.1	-04	47	6.3	*.048	gG9	+ 2.2	b	3	W	
7540	26° 2359	109030		29.1	+26	09	7.9	.042	Aln	+ 7.3	b	4	L	
7541	22° 2482	109031		29.1	+21	52	8.2	.084	sgFO	+ 3	c	2	L	
7542	17079	109054		29.2	+27	18	9.2	.015	dG3	- 6.5	b	3	W	
7543	17081	109035		29.3	-20	42	7.3	.063	gKO	+ 4	c	2	L	
7544	24° 2467	109083		29.4	+23	34	7.6	.044	dF3	- 20	c	2	L	
7545	r Mus	109026		29.5	-71	51	4.0	.046	B5n	+ 14	c	3	L	
7546	*ll Crv	109085		29.5	-15	55	4.4	.434	dF2	- 3.5	b	28	CL	SB *
7547	39° 7674	.....		29.8	-39	50	10.5	.35	sdF6	- 40	e	2	Md	
7548	17095	109141		30.0	-13	35	5.7	.158	dA9n	- 0.9	b	3	W	
7549	17097	109213		30J	+75	05	7.5	.024	gG9	- 29.7	b	4	W	
7550	24° 2470	109185		30.3	+23	43	7.3	.006	Fin	- 7.9	b	3	L	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel. ¹	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
7551	S Com	.....	12	30.3	+27	18	<u>10.5</u> _v	0.051	.....	- 35	d	1	W	RR 0.59
7552	17103	109217		30.5	+10	34	6.5	.056	gG7	+ 0.5	b	3	W	
7553	CC 716	.....		30.9	+09	18	12.7	1.81	dM6e	- 5	c	6	W	
7554	17113	109272		31.0	-12	33	5.8	0.056	gG8	- 16.0	b	4	W	
7555	17115	109282		31.0	+24	43	7.4	.021	gM3	- 10.9	b	4	W	
7556	17117	109307		31.1	+24	34	6.1	.021	cA4	+ 1.4	a	13	4	*
7557	28° 2133	109306		31.1	+28	21	8.7	.015	gF2	- 6.9	b	4	L	
7558	17121	109317		31.2	+33	31	5.4	.045	sgG7	- 19.8	b	13	3	*
7559	17122	109309		31.2	-09	11	5.4	.083	B9n	- 11	c	15	4	*
7560	Y Vir	.....		31.3	-04	09	8.8 _v	.....	gM5e	+ 9	c	2	W	Em -1 *
7561	17125	109345		31.3	+33	40	6.4	.016	gG8	- 42.7	b	7	DW	*
7562	K Dra	109387		31.4	+70	04	3.9	.058	B5e	- 11.4	a	38	V	Orb. Hill *
7563	(i) CVn	109358		31.4	+41	38	4.3	.760	dGO	+ 6.9	a	17	4	*c
7564	CC 717	109333		31.4	-14	22	9.6	.48	dK4.	+ 8.2	b	4	W	
7565	II 3568	109540		31.7	+82	50	10.4	....	Pd	- 39.9	b	7	L	Em PL neb.
7566	/3 Crv	109379		31.8	-23	07	2.8	.059	gG4	- 7.7	a	50	CL	*
7567	Wolf 1447	.....		31.9	+15	33	11.7	.35	sdA6	- 57	c	2	Md	*
7568	17142	109485		32.4	+22	54	4.8	.070	A0	- 16.0	b	152	4	
7569	30° 2296	109497		32.5	+30	28	8.2	.068	sgF6	- 6	d	1	L	
7570	RZ Com	.....		32.6	+23	37	<u>10.0</u> _v	.....	K	- 12	b	33	Md	EB 0.34 *
7571	A 8600B	109510		32.6	+18	39	6.7	.017	A9	+ 5.1	a	45	V	Orb. Petrie
7572	A 8600A	109511		32.6	+18	39	5.2	.019	gG9	+ 3.9	a	11	LV	*c
7573	17148	109551		32.6	+70	18	5.2	.033	gK2	+ 4.7	b	10	LW	*c
7574	17150	109519		32.6	+22	09	6.1	.030	gK2	- 14.4	b	7	SW	*c
7575	17153	109646		32.7	+80	32	7.4	.096	dF4	+ 35.3	b	3	W	
7576	17158	109536		33.1	-40	45	5.2	.112	A5	- 11	c	4	L	
7577	17165	109585		33.4	-20	15	6*1	.046	dFOn	- 2	c	5	W	
7578	A 8606p	109628		33.4	+11	41	9.0	.314	dGO	+ 23	c	5	W	
7579	A 8606f	.....		33.4	+11	41	9.0	.....	dGO	+ 17.6	b	3	W	
7580	17172	109654		33.5	+56	51	8.0	.040	gK1	- 30.1	b	3	W	
7581	SV CVn	.....		33.5	+37	29	<u>10.3</u> _v	.....	.....	- 25	d	1	W	RR 0.67
7582	32° 2259	109649		33.6	+32	16	7.5	.024	K4	+ 10	d	1	V	
7583	20° 3679	109695		34.0	-21	02	7.9	.011	gG9	+ 9	c	5	L	
7584	T UMa	109729		34.1	+59	46	6.4 _v	.013	gM4e	- 91	c	2	W	Em -103 b *
7585	a Mus	109668		34.2	-68	52	2.9	.037	B5n	+ 18	c	5	L	
7586	17180	109704		34.2	-05	33	5.9	.039	AOn	- 6	c	9	WV	*c
7587	17183	109742		34.5	+17	22	5.8	.044	#K5	- 7.6	b	3	W	
7588	17189	110093		34.7	+86	00	7.1	.029	FOn	- 12	c	4	D	
7589	r Cee	109787		35.0	-48	16	4.0	.191	A2	+ 5	c	3	L	
7590	17198	109799		35.0	-26	52	5.4	.123	dF2	- 0.9	a	7	3	*c
7591	RV Crv	109796		35.1	-19	18	<u>9.0</u> _v	.042	FO	+ 30	b	26	Md	E 0.75 *
7592	RV Bra	.....		<u>35*4</u>	+65	50	<u>8.4</u> _v	....	gM1e	- 14	d	1	W	Em B207
7593	17203	109860		35.5	+03	33	6.2	#.034	AO	0	c	2	V	JDIXI Mr&V j
7594	17208	110010		35.7	+79	29	7.0	.122	dG2	- 18.5	b	4	W	
7595	17209	109896		<u>35.8</u>	+02	08	6.0	.082	glE3	- 16	c	3	W	
7596	R Vir	IQS914I		36.0	+07	16	B.2 _v	.030	gM4e	- 25	d	1	W	Em -37 c *
7597	i 17218	109S31		36.1	-17	59	6.1	.118	dASn	- 12.9	b	4	W	
7988	17218	109944		36.1	-04	06	7.2	.049	gMO	+ 10	c	4	W	SB (28)
7599	17219	109979		<u>38.2</u>	+45	30	7.1	.151	F2	+ 7.9	b	4	D	
7600	17221	109980		36.4	+41	09	6.3	.03S	A5n	- 16	c	4	0	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'		"	km/sec					
7601	CC 726	.....	12	36.5	+11	58	11.3	1.16	dM4	+ 8	d	3	W	
7602	17224	109996		36.6	+22	56	6.5	0.055	K0	- 27.2	b	4	D	
7603	17225	110024		36.6	+21	20	5.5	.086	gG8	- 21	c	9	VW	SB *
7604	X Vir	110014		36.7	-07	43	4.8	.085	gK3	- 19.7	a	9	L	
7605	RS UMa	110064		36.7	+58	45	8.2v	.....	gM4e	- 26	c	2	W	Em -33 *
7606	NGC 4590	110032		36.8	-26	29	9.1	.....	A6	-116	c	4	L	Glob. cL
7607	17231	110066		36.9	+36	14	6.3	.027	AOp	- 14.8	b	4	V	
7608	17236	110073		37.2	-39	43	4.8	.067	B8p	+ 15.1	b	7	L	
7609	FI Hya	.....		37.2	-26	25	10.9v	.....	M4e	+ 88	e	1	Md	Em P
7610	U Com	.....		37.6	+27	46	11.7v	.046	.....	0	d	1	W	RR 0.29
7611	17244	110194		37.7	+34	26	7.5	.036	gK3	- 44	c	2	L	
7612	75° 479	110312		37.9	+74	41	8.1	.004	gK4	- 41	c	5	W	
7613	17246	110313		38.1	+69	05	8.2	.449	dG1	- 5.0	b	3	W	
7614	17252	110533		38.4	+83	55	7.2	.213	dF9	- 19.1	b	13	V	Prel. orb. *
7615	SW CVn	.....		38.5	+37	22	11.3v	.....	.....	- 55	d	1	W	RR 0.44
7616	A 8627B	110317		38.7	-12	44	6.1	.117	dF1	- 14.1	a	24	W	Orb. *
7617	A 8627A	110318		38.7	-12	44	6.0	.130	dF6	- 11.1	a	41	W	Orb. *
7618	17261	110326		38.7	+30	43	6.9	.032	A2	- 8.6	a	16	S	Orb. Shajn
7619	y Cen	110304		38.7	-48	41	2.4	.197	A0	- 7.5	b	4	L	
7620	39° 2544	110375		39.0	+38	40	8.1	.070	sgF2	- 23	d	2	L	
7621	17268	110335		39.1	-59	25	5.0	.026	B8e	+ 12	c	6	L	
7622	17269	110377		39.1	+10	42	6.3	.111	A5	+ 18	d	5	V	SB (41)
7623	y Vir s	110379		39.1	-01	11	3.6	.567	dFO	- 19.6	a	29	4	A 8630A *
7624	y Vir n	110380		39.1	-01	10	3.7	.....	dFO	- 19.8	a	28	5	A 8630B *
7625	17273	110385		39.2	-19	29	6.0	.215	dF2n	- 2.8	b	3	W	
7626	p Vir	110411		39.4	+10	31	5.0	.128	B9n	+ 1.6	b	20	4	*
7627	17277	110418		39.4	-07	14	7.2	.048	gM1	- 1.6	b	11	W	
7628	17278	110462		39.4	+62	59	5.9	.040	A0	- 3.6	b	4	D	
7629	17279	110423		39.4	+07	05	5.5	.072	B9n	+ 3.8	b	17	4	*
7630	56° 1618	110463		39.5	+56	01	8.4	.128	dK3	- 6.3	b	3	W	
7631	17282	110458		39.8	-48	32	4.6	.138	K1	- 11.7	a	6	L	
7632	17287	110500		39.9	+46	09	6.9	.054	A2	- 8.0	b	14	VD	*
7633	17288	110461		40.0	-55	40	6.2	.055	B9n	+ 37	d	3	L	
7634	C 1612	.....		40.2	+73	14	9.3	.30	dG2	- 45.2	b	3	W	
7635	76° 464	110611		40.2	+75	37	8.0	.....	dG9	- 33.7	b	4	W	
7636	17294	110506		40.3	-55	54	6.2	.046	B8n	+ 10.3	b	3	L	
7637	17302	110612		40.7	+10	22	8.0	.063	gM3	- 14.1	b	4	W	
7638	17303	110628		40.8	+26	24	6.7	.022	FOn	- 12.0	b	7		*
7639	17305	110678		40.9	+61	26	6.5	.049	K2	- 5.8	b	4	SV	
7640	17308	110619		41.0	-37	26	7.5	.666	dG5	- 30	c	4	W	
7041	17309	110646		41.1	-01	18	6.1	.095	sgG4	+ 0.7	b	4	W	
7642	17315	110666		41.3	-28	03	5.7	.059	gK4	+ 7.1	b	4	W	
7043	S UMa	110813		41.8	+61	22	7.1v	.029	Se	+ 8	c	4	MiW	Em -4.1 b *
7644	17326	110833		42.0	+52	02	7.0	.440	dKO	+ 8.6	b	3	W	
7645	17329	110834		42.1	+44	23	6.3	.028	F5	- 16.4	b	6	D	
7646	17337	110897		42.6	+39	33	6.0	.379	dF9	+ 80.9	b	5	WV	*
7647	t Cru	110829		42.7	-60	42	4.7	.126	GB	+ 8.9	a	5	L	
7648	Y CVn	110914		42.8	+45	43	5.2v	.009	N	+ 11.7	a	20	WL	SR 158 *
Y848	A B659B	.....		42.9	+14	38	7.5	.092	dF5	- 44.1	b	3	W	
7650	A 8659A	110932		42.0	+14	39	7.2	.045	Bfita	+ 4	c	5	WV	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
7651	30° 2321	110950	12	43.0	+30	03	8.0	0.140	dG2	+ 8	c	3	L	
7652	17346	110951		43.1	+07	57	5.2	.108	A6n	- 8.7	a	56	4	*
7653	17347	111112		43.2	+80	54	6.3	.053	A3	- 26	c	11	V	SB (19)
7654	↳ Mus	110879		43.2	-67	50	3.3	.041	B3	+ 42	d	5	L	
7655	17352	110956		43.5	-56	13	4.9	.057	B5	+ 16.7	b	7	L	
7656	17355	111028		43.8	+09	49	5.9	.529	sgK1	+ 51.5	b	9	WV	*
7657	17363	111067		44.1	+16	51	5.3	.009	gK4	+ 53	c	10	LW	*
7658	17366	111133		44.5	+06	13	6.4	.059	B9	+ 16	c	3	V	
7659	17371	111164		44.7"	+12	14	6.0	.048	A3n	- 1	c	8	DW	*
7660	RU Vir	111166		44.8	+04	25	8.0v	.056	R3e	+ 2	b	4	W	Em -21 *
7661	j8 Cru	111123		44.8	-59	25	1.5	.049	B1	+ 20.0	a	56	L	
7662	U CVn	111223		44.9	+38	39	9.2v	. . . .	gM7e	- 30	c	2	W	Em -44 *
7663	17375	111199		45.0	-06	02	6.3	.050	dF5	+ 13.4	b	3	W	
7664	17377	111270		45.2	+63	03	5.8	.019	A4n	- 14	c	5	WV	SB *
7665	1° 2756	. . . . .		45.2	+01	28	9.5	. . . . .	dG8	- 12.6	b	3	W	
7666	17381	111239		45.3	+03	51	6.7	.010	gM4	+ 8.2	b	3	W	
7667	17384	111272		45.5	+19	07	6.9	.049	K0	- 14	c	2	S	
7668	CC 737	. . . . .		45.5	+10	02	11.1	1.09	dM4	+ 5	e	3	W	
7669	17387	111335		45.5	+67	04	5.7	0.009	gK5	+ 8.0	b	6	W	
7670	17390	111308		45.7	+13	50	6.4	.060	AOn	- 0.2	b	3	W	
7671	17392	111307		45.8	+19	36	7.8	.016	gM3	- 6.5	b	3	W	
7672	17397	111420		46.1	+71	13	7.3	.080	gK3	- 39	c	2	L	
7673	X Crv	. . . . .		46.1	-19	14	7.8v	. . . . .	gM6	+ 1	c	3	W	SR?
7674	17400	111395		46.3	+25	07	6.4	.357	dG6	- 7.5	b	6	VW	*
7675	17401	111397		46.4	+14	24	5.6	.045	AOn	- 7.0	b	4	W	
7676	17402	111421		46.4	+48	44	6.2	.065	A8	- 1.9	b	4	WV	*
7677	8° 3429	111384		46.4	-08	57	7.6	.030	gK2	+ 16.2	b	3	L	
7678	17404	111456		46.5	+60	36	5.9	.107	dF6	- 12.0	b	27	4	*
7679	17410	111469		46.9	+27	49	5.8	.098	AOn	+ 1.4	b	3	W	
7680	CC 742	. . . . .		47.1	+66	23	10.5	.50	dM3	- 18	e	3	Md	
7681	17415	111499		47.2	-14	48	7.0	.014	gM5	- 14.4	b	3	W	
7682	17416	111515		47.2	+01	28	8.1	.662	dG6	- 3.9	b	3	W	
7683	Z CVn	. . . . .		47.4	+44	03	9.2v	.021	A5	0	c	3	W	RR 0.65
7684	43° 2263	111603		47.7	+42	30	8.2	.036	sgF6	+ 11	d	3	L	SB (31)
7685	17430	111604		47.8	+37	47	5.9	.099	AOn	- 11	c	7	VW	*
7686	17432	111591		47.8	+23	08	6.5	.133	K0	+ 6.0	b	4	D	
7687	17433	111597		48.0	-33	44	5.0	.047	A0	+ 18	c	3	L	
7688	17435	111631		48.2	-00	29	8.7	.400	dM0	- 1	c	5	WMd	*
7689	17437	111613		48.3	-60	03	5.9	*022	cA2	- 22.0	b	3	L	
7690	U Vir	111691		48.6	+05	50	7.3v	.005	gM4e	- 46	c	2	W	Em -56 3 *
7691	A 8682B	112014		48.6	+83	41	5.8	.032	AO	+ 1.0	a	27	V	Orb. Plaskett
7692	A 8682A	112028		48.8	+83	41	5.3	.033	A2	+ 3	c	12	3	*
7693	17445	111720		48.8	-10	04	6.5	.016	RG8	- 17.3	b	5	W	
7694	17447	111721		48.8	-13	13	8.1	.413	dG2	+ 25	c	6	W	
7695	17449	111765		49*1	+03	20	6.1	.039	KK4	+ 3.1	b	9	VW	*
7696	17452	111774		49.2	-39	25	6.1	.055	BS	+ 4.7	b	3	L	
7697	17455	111812		49.S	+27	49	5.1	.023	dF5	- 1.4	b	10	LW	*
7698	A 869QB	111345		49.4	+19	26	8.2	.072	F2	- 12.2	b	8	V	
7699	A 8690A	111844		49.4	+19	27	7.7	.079	A2	- 14.8	b	7	V	
7700	t Oct	111482		49.5 j	-84	51	5.4	*Q8Q	KO	+ 53.4	a	5	LC	*

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
7701	17464	111862	h	m	o	r	6.5	0.022	gMO	- 0.9	b	3	W	
7702	17466	111892	12	49.7	+17	21	6.9	.053	dF5	+ 8.7	b	6	W	
7703	17469	111893		49.9	+17	23	6.2	.050	A2	- 27.6	b	4	V	
7704	AS Vir	.....		50.0	+16	24	6.2	.050	A2	- 27.6	b	4	V	
7705	51° 1792	111957		50.2	-09	59	<u>11.2v</u>	.....	.....	+ 85	d	1	W	RR 0.55
				50.2	+50	33	8.2	.033	dF4	+ 4	c	2	L	
7706	17473	111915		50.3	-48	40	4.4	.094	K5	- 2.2	b	10	LC	*
7707	17475	111904		50.4	-60	03	5.8	.016	B9p	- 15	c	4	L	
7708	17484	111980		50.6	-18	14	8.3	.858	dF6	+144.4	b	3	W	
7709	17487	111998		50.6	-03	17	6.2	.259	dF6	- 7.1	b	3	W	
7710	17489	111968		50.7	-39	54	4.3	.075	A5	- 2.5	b	4	L	
7711	17492	111973		50.8	-60	06	6.1	.034	B2	- 1.3	b	3	L	
7712	17493	112033		50.8	+21	31	5.1	.055	gG8	- 6.2	a	12	3	*
7713	17496	112082		51.0	+46	56	7.6	.013	gM4	- 25.6	b	4	W	
7714	17502	112097		51.3	+12	41	6.3	.059	dA8	- 10	c	6	VW	SB *
7715	17504	112084		51.3	+19	20	7.1	.056	K2	0	d	1	V	
7716	17510	112127		51.5	+27	03	7.1	.016	K2	+ 2	d	1	V	
7717	± CruA	112092		51.6	-56	54	4.3	.035	B3	+ 11.9	b	5	L	
7718	U CruB	112091		51.7	-56	54	5.5	.036	B3ne	+ 19	c	5	L	
7719	X Cru	112078		51.7	-58	53	4.8	.040	B3n	+ 16	c	4	L	
7720	∫/ Vir	112142		51.7	-09	16	4.9	.033	gM3	+ 17.6	a	9	L	
7721	17517	112171		51.8	+33	48	6.3	.098	A2	+ 5.3	b	5	V	
7722	€ UMa	112185		51.8	+56	14	1.7	.113	A2	- 9.3	a	250	8	*
7723	AT Vir	.....		52.6	-05	11	10.5v	.....	A2	+344	c	5	WMd	RR 0.53 *
7724	TU CVn	112264		52.7	+47	28	6.0v	.021	cM8	- 17.2	b	5	V	
7725	17538	112311		52.9	+58	26	8.2	.066	sgFO	- 12	c	2	L	
7726	17540	112244		53.0	-56	34	5.6	.031	O9	+ 22	c	9	L	
7727	17541	112278		53.0	+11	46	7.0	.022	gM4	- 52.4	b	3	W	
7728	5 Vir	112300		53.1	+03	40	3.7	.473	gM3	- 17.8	a	20	5	*
7729	Wolf 449	.....		53.2	+12	50	11.5	.38	sdF4	+ 13	c	2	Md	
7730	17554	112429		53.5	+65	43	5.3	.035	A5n	+ 9.0	b	3	L	
7731	A 870SAB	.....		53.5	+70	10	9.0	.....	dG8	- 28.1	b	3	W	*
7732	A 8706B	112412		53.7	+38	35	5.4	.242	AOp	- 3.1	b	18	5	
7733	a CVn	112413		53.7	+38	35	2.9	.238	A1	- 3.3	b	71	8	A 8706A *
7734	17558	112374		53.8	-26	11	6.8	.026	cF6	- 21.5	b	5	W	
7735	17567	112486		54.1	+54	22	6.0	.077	A2	0	c	4	B	SB 2-sp
7736	17569	112409		54.2	-50	56	5.3	.039	B8	+ 25	c	5	L	
7737	17572	112501		54.3	+43	49	7.0	.004	A5	- 8.8	b	6	D	
7738	V377 Cen	112455		54.4	-47	48	9.0v	.....	A0	- 2.1	b	35	Md	EA 8.25 *
7739	RY Dra	112559		54.5	+66	16	6.5v	.010	N	- 20	d	4	W	Irr
7740	17582	112570		54.8	+46	27	6.2	.059	gG5	+ 7.3	b	10	DW	*
7741	13° 3627	112575		55.1	-14	12	8.9	.431	dK6	+ 5.1	b	4	W	
7742	44° 2238	112610		55.2	+44	05	8.0	.056	dF4	+ 3.3	b	5	W	
7743	12° 3729	112574		55.2	-12	52	8.1	.038	dF7	- 10	d	3	L	
7744	17603	112734		56.2	+28	35	6.6	.076	A5	- 6	c	6	D	SB
7745	17605	112735		56.2	+22	19	7.8	.263	GO	- 41	c	3	S	
7746	17616	112769		56.5	+17	41	5.0	.040	gMO	- 1.6	a	9	LV	*
7747	17617	112758		56.5	-09	34	7.7	.839	dK1	- 4.1	b	3	W	
7748	TT CVn	112869		57.0	+38	04	8.6v	.019	R6p	-135	b	4	W	Irr
7749	17629	112956		57.0	+69	03	8.2	.391	dG6	+ 7	c	6	W	SB (33)
7750	17632	112887		57.1	+28	20	7.1	.018	F4	- 7.7	b	4	D	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'									
7751		17637	113049	12	57.3	+75	45	6.2	0.008	K0	- 15.0	b	5	D	
7752	CC	753	112943		57.8	-02	26	9.5	.768	dMO	- 12.3	b	3	W	
7753		17647	112989		57.9	+31	03	5.1	.025	gG9	- 13.4	a	6	L	
7754		17649	112992		58.0	-03	06	6.1	.052	gK2	+ 23.0	b	4	W	
7755		17651	113092		58.0	+66	52	5.5	.141	gG9	- 30.4	a	13	3	*
7756		17652	113021		58.0	+32	03	6.7	.020	G5	+ 2.5	b	5	D	
7757	CC	754	.....		58.1	+05	57	13.6	1.01	dM5e	- 40	d	4	W	SB (54)
7758	42°	2362	113036		58.1	+42	12	8.2	.....	dFO	- 1	c	2	L	*
7759		17654	113022		58.2	+18	38	6.1	0.232	dF4	+ 0.8	b	6	VW	*
7760	CC	755	.....		58.3	+12	39	9.9	.69	dM2e	- 11	c	7	WMd	*
7761		17660	114282		58.4	+87	55	7.6	.016	gK3	- 54.6	b	3	W	
7762		17664	113139		58.6	+56	38	4.9	.115	A6n	- 10.4	b	28	4	#
7763		17667	113095		58.7	+17	24	6.0	.032	gG7	- 6.3	b	3	W	
7764		17669	113101		58.7	-08	10	8.7	.470	dKO	- 30	c	7	W	
7765		17670	113083		58.8	-27	06	8.2	.525	dF4	+227	c	3	W	
7766		17671	113097		58.8	+16	08	9.5	.045	dF6	+ 7.5	b	3	W	
7767	6	Mus	112985		58.8	-71	17	3.6	.276	K2	+ 36.5	a	23	LC	Orb. Christie *
7768		17676	113126		59.0	+01	47	7.9	.021	gM4	+ 9	c	4	W	
7769		17680	113170		59.1	+21	32	7.2	.040	K5	- 24	d	1	V	
7770	UY	Vir	113158		59.2	-19	30	7.8v	.051	A7	+ 4.0	a	57	L	E 199 *
7771		17685	113120		59.7	-71	12	6.0	.029	B3ne	- 35	d	3	L	Em dbl
7772	€	Vir	113226		59.7	+11	14	3.0	.274	gG6	- 14.0	a	61	6	*
7773		17690	113337		59.8	+63	53	6.0	.182	dF4	- 10.8	b	4	W	
7774	31°	2442	113284	13	00.0	+30	37	8.2	.094	sgF1	+ 7	c	2	L	
7775		17694	113303		00.1	+23	46	7.6	.049	dF2	+ 6.0	b	3	W	
7776	RT	Vir	113285		00.1	+05	27	8.0v	.034	gM8	+ 13	c	3	W	Irr
7777		17699	113365		00.6	+22	54	6.9	.047	AOn	- 11.6	b	5	S	
7778		17702	113436		00.6	+59	59	6.3	.028	A0	- 36	c	4	V	
7779		17704	113314		00.6	-49	16	5.0	.068	A0	- 10	e	5	L	
7780		17706	113406		00.7	+24	06	7.2	.043	gM3	+ 3.2	b	8	LW	*
7781	85°	214	113826		00.8	+84	32	9.2	.....	dG4	- 30.5	b	3	W	
7782		17711	113415		01.1	-20	19	5.7	".141	dF8	+ 33.5	b	3	W	
7783		17714	113449		01.2	-04	53	7.5	.308	dG5	0	d	2	L	
7784		17715	113459		01.3	-03	24	6.5	.055	dA7n	+ 3	c	6	W	
7785		17717	113496		01.5	+11	30	7.9	.014	gM4	- 2.5	b	3	W	
7786		17722	113545		01.6	+43	17	7.0	.013	gM3	+ 14.0	b	3	W	
7787	22°	2540	113516		01.6	+22	09	7.8	.036	dF7	- 10	d	2	L	
7788	47°	2015	113577		01.9	+46	43	8.2	.098	sgF4	+ 6	e	2	L	
7789	50°	1976	113621		02.1	+50	20	8.0	.122	dF9	- 5	e	2	L	
7790		17735	113637		02.2	+54	13	7.5	.026	gK3	- 32	e	2	L	
7791	RY	Com	.....		02.7	+23	33	11.2v	.....	A5	+ 16	d	4	MdW	RR 0.47 *
7792		17748	113889		03.3	+73	18	6.3	".024	A5	- 15	c	0	V	
7793		17750	113703		03.4	-48	12	5.0	.048	B3n	+ 9	e	6	L	
7794		17751	113797		03.4	+36	04	5.1	.031	B9n	- 13	e	28	4	*
7795		17758	113847		03.6	+45	32	5.7	.029	gK2	- 19.0	a	10	DW	*
7790	19"	3634	113801		03.7	-19	47	8.7	.017	K5p	- 16	e	3	W	*
7797		17764	113865		03.8	+29	18	6.4	.071	A3n	+ 3.2	b	7	WV	*
7798		17765	113817		03.8	-14	39	7.2	.042	sgG8	- 12.2	b	1	W	*
7799		17767	113848		03.9	+21	25	6.0	.088	dP1	+ 0.6	b	3	VW	*
7800		17788	113892		03.9	+41	11	7.4	.045	gM1	- 33	e	4	L	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'		"	km/sec					
7801	£ 17769	113866	13 03.9	+22 53			5.9	0.060	sgM5	- 5.1	b	9	VW	*
7802	£ Cen	113791	04.0	-49 38			4.4	.035	B3	+ 14.3	a	30	L	Orb. Neubauer
7803	17774	113852	04.1	-35 36			5.6	.094	A0	+ 16	e	1	L	
7804	17778	113823	04.3	-59 36			6.1	.034	B9n	+ 4	c	3	L	
7805	17780	113994	04.4	+62 19			6.3	.043	gG7	+ 14.7	a	10	VW	*
7806	A 8786B	.....	04.8	+00 51			7.6	.158	dG0	- 86.5	b	3	W	
7807	A 8786A	113984	04.8	+00 51			7.2	.158	dF5	- 92.2	b	4	W	
7808	17787	113996	04.8	+27 54			4.9	.084	£K5	- 16.4	a	10	3	*
7809	9 Mus	113904	04.9	-65 02			5.6	.022	BOe	- 28.4	b	9	L	
7810	17793	114060	05.3	+24 16			8.6	.310	dG5	- 4.6	b	7	W	C 1684A
7811	C 1684B	.....	05.3	+24 16			9.0	.....	dG8	0.0	b	3	W	
7812	17794	114038	05.3	-10 28			5.3	.020	£K3	- 9.1	a	10	LC	*
7813	RV Vir	.....	05.3	-12 54			10.0v	.....	gM5e	+ 33	d	2	W	Em +25 *
7814	17796	114092	05.5	+27 49			6.4	.082	K6	- 8.6	b	6	D	
7815	II 4191	113981	05.5	-67 22			.....	.....	Pd	- 7	c	3	L	Em PL neb.
7816	4° 2696	114094	05.7	+04 03			9.5	.54	dG6	- 58	c	3	W	
7817	17805	114113	05.9	-08 43			5.7	.076	£K3	+ 16	c	3	W	
7818	17808	114159	06.0	+43 27			7.8	.043	gM3	- 17.5	b	3	W	
7819	C 1688	114172	06.2	+29 39			8.6	.194	dG0	- 39.7	b	4	W	
7820	17811	114174	06.3	+05 29			6.9	.693	dG6	+ 22.2	b	3	W	
7821	∇/ Hya	114149	06.4	-22 51			5.1	.051	gK1	- 19.0	a	12	3	*
7822	42° 2377	114217	06.4	+42 25			8.2	.. < .	sgrF4	- 20	d	1	L	
7823	17816	114241	06.6	+ 18 53			7.1	.014	K4	- 40	d	1	V	
7824	17817	114256	06.7	+10 17			6.0	.018	gKO	- 0.4	b	3	W	
7825	17819	114260	07.0	-21 55			7.3	.380	dG7	- 6.8	b	4	W	
7826	17821	114300	07.1	+17 45			8.7	.035	*M0	- 25.1	b	4	W	
7827	17822	114287	07.1	-10 04			6.2	.021	erK5	- 7.3	b	3	W	
7828	17825	114326	07.3	+17 07			6.2	.070	e:K6	- 17	c	3	V	
7829	17826	114357	07.3	+37 41			6.1	.103	gK4	- 18.8	b	8	DW	*
7830	0 Vir	114330	07.4	-05 16			4.4	.053	A2	- 2.9	b	45	4	*
7831	17831	114446	07.5	+57 06			7.0	.092	FB	- 34.2	b	4	D	
7832	oc Com	114378	07.6	+17 48			4.5	.450	dF4	- 17.7	a	26	4	*
7833	29° 2374	114401	07.6	+29 06			8.8	.007	£K1	- 4.2	b	5	W	
7834	17835	114447	07.8	+38 46			6.0	.081	F0	0	c	4	Y	
7835	17837	114504	07.9	+62 30			6.5	.032	A0	- 16.7	b	6	V	
7836	30° 2372	114448	07.9	+29 43			8.6	.026	gKO	+ 2	c	3	W	
7837	17844	114493	08.3	+13 34			7.3	.064	ffK2	- 18.3	b	4	W	
7838	RS CVn	114519	08.3	+36 12			8.0v	.047	*	- 8.4	a	35	W	F4o+dG8 *
7839	17845	114494	08.3	+02 00			8.1	.085	gF6	- 5	d	3	L	SB (30)
7840	17850	114474	08.5	-43 06			5.3	.127	G8	- 8.7	a	6	LC	*
7841	17853	114703	08.7	+67 46			8.8	.729	dK1	- 12	c	4	W	
7842	17860	114606	08.9	+09 53			8.5	.579	dF9	+ 23	c	4	WMd	*
7843	29° 2379	114635	09.1	+29 08			8.8	.037	dF7	- 11	c	4	W	
7844	17865	114637	09*1	+22 11			6.8	.054	G5	+ 23.4	b	3	S	
7845	17866	114529	09.2	-59 39			4.8	.058	B8	+ 12	c	4	la	SB (27)
7846	17868	114674	09.2	+41 03			7.3	.038	ffG6	- 2.1	b	3	W	
7847	17869	114613	09.3	-37 32			4.9	.390	dG3	- 15.0	a	8	LW	*
7848	17870	114642	09.4	-15 56			5.1	.308	dF5	- 14.1	a	8	LC	*
7849	20* 3787	114062	09.5	-20 37			8.0	.031	cKO	+ 4.5	b	3	L	
7850	i8 Com	114710	09.5	+28 08			4.3	1.109	dGO	+ 6.1	a	23	6	*

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
7851	17876	114723	13	09.7	+32	21	6.7	0.043	dF4	- 12.7	b	13	3	*
7852	17877	114724		09.7	+24	31	6.5	.040	G8	- 24.0	b	4	4	D
7853	34° 8720	114692		09.8	-34	29	7.6	.51	dF7	+ 1.3	b	4	4	W
7854	17881	114762		09.9	+17	47	7.7	.576	dF7	+ 49.9	b	7	7	W
7855	17883	114729		10.0	-31	36	6.7	.378	dGO	+ 64	c	4	4	W
7856	17884	114780		10.1	+11	49	5.8	.061	K5	+ 24.6	b	4	4	V
7857	17888	114793		10.2	+19	01	6.6	.066	GO	- 20.4	b	4	4	D
7858	20° 2809	114819		10.4	+20	12	7.4	.021	K1	+ 2	d	1	1	V
7859	NGC 5024	114820		10.5	+18	26	8.7	...	F0	-112	c	7	3	Glob. cl. *
7860	17895	114913		10.6	+58	43	8.0	.059	dF7	- 12	c	2	2	L
7861	A 8824A	114846		10.8	-18	34	6.3	.033	Aln	- 41	d	4	4	W
7862	A 8824B	.....		10.8	-18	34	7.3	.033	A2	- 27	c	4	4	W
7863	17904	114889		10.8	+19	00	6.5	.223	K1	- 23.5	b	4	4	D
7864	17906	.....		10.8	+37	38	9.6	.034	gK4	- 41	c	4	4	W
7865	17908	114835		11.1	-58	25	6.0	.085	K2	- 1.8	b	4	4	L
7866	17910	114837		11.1	-58	50	5.0	.309	F4	- 65.0	a	9	9	L
7867	17911	115061		11.3	+67	34	7.0	.156	gK2	+ 4.0	b	3	3	W
7868	17912	114975		11.3	+37	09	6.7	.028	gM2	+ 1	c	4	4	W
7869	57° 1424	115019		11.3	+56	56	8.6	.023	£K0	- 18.7	b	3	3	W
7870	17914	114988		11.4	+32	48	6.8	.016	G3	+ 2	c	6	6	S
7871	17915	114960		11.4	+01	43	6.8	.076	gK5	+ 7	c	10	10	VW
7872	17916	115004		11.5	+40	25	5.0	.050	gG8	- 21.3	a	7	7	LW
7873	SW Vir	114961		11.5	-02	33	6.8 _v	.048	gM7	- 15	c	2	2	W
7874	17918	114946		11.5	-19	40	5.6	.202	dG6	- 45	c	3	3	W
7875	17919	115043		11.6	+56	58	6.7	.117	dG2	- 8.8	b	12	4	*
7876	17924	115136		11.8	+67	33	6.8	.160	*K1	+ 4.2	b	3	3	W
7877	7j Mus	114911		11.8	-67	38	5.0	.038	B8	+ 5	d	6	6	L
7878	17932	115337		11.9	+80	44	6.3	.012	gG5	- 10.5	b	3	3	W
7879	17933	115046		12.0	+11	36	5.8	.092	gMO	+ 11.7	b	5	5	W
7880	17934	115227		12.1	+73	04	6.4	.037	A0	+ 2	c	11	11	V
7881	17935	115062		12.1	-10	06	7.2	.064	gM2	+ 27.3	b	3	3	W
7882	17937	115080		12.3	-11	06	6.9	.380	dG3	+ 8.2	b	6	6	W
7883	17939	115079		12.4	-11	05	7.8	.007	gK2	+ 9.1	b	3	3	W
7884	UW Vir	115122		12.7	-17	13	9.0 _v	.095	A2	+ 22	b	38	Md	EA 1.81 *
7885	17951	115202		13.3	-19	41	5.3	.329	sgK1	+ 34.1	a	12	3	*
7886	17953	115271		13.3	+41	07	5.7	.109	A5n	- 18.3	b	4	4	D
7887	17956	115301		13.5	+21	39	7.2	.042	B9	0	c	5	5	S
7888	17958	115319		13.8	+19	19	6.5	.100	G5	- 45.4	b	4	4	S
7889	17959	115211		13.8	-66	31	4.8	.029	K6	- 10.3	a	5	5	L
7880	17982	115322		13.9	+06	46	7.2	.058	gM4	- 22.8	b	5	5	LW
7891	17966	115339 ¹		14.0	+28	00	8.4	.358	dG8	+ 16.7	b	4	4	W
7892	17968	115310		14.1	-31	15	5.4	.060	K1	+ 12.9	b	5	5	L
7893	17970	115565		14.1	+20	03	6.3	.119	A3n	- 33	d	4	4	V
7894	17975	115388		14.3	+09	41	5.2	.383	dF8	- 25.9	a	9	3	*
7895	A 8841A	115404		14.4	+17	17	6.6	.686	dK3	+ 5.5	b	5	5	W
7696	A 8841B	.....		14.4	+17	17	10.2	.....	dM2	+ 9.0	K	A	W	
7897	11" 3476	11542 [^]		14.6	-12	16	8.1	.111	S&F4	- 14	d	3	3	W
7898	17388	115478		14.8	+13	56	5.4	.032	gK5	- 25.5	a	8	8	LW
7898	17910	11946a		14.8	-10	17	7.2	.083	dA8	+ 6.5	b	3	3	W
7900	17991	1156128		14.3	+68	40	6.1	.019	B9n	- 23	e	1	1	V

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	o	/			km/sec					
7901	17992	115467	13	14.9	-15	17	6.7	0.083	RG7	+ 24.2	b	5	W	
7902	Vir	115521		15.1	+05	44	5.0	.014	gM2	- 26.9	a	12	3	*
7903	17997	115539		15.2	+14	02	7.3	.096	fG4	- 8.4	b	3	W	
7904	18000	115604		15.3	+40	50	4.7	.124	dF5	+ 7.5	b	12	3	*
7905	ST Com	.....		15.4	+21	03	10.7v	.....	.....	-100	d	1	W	RR 0.60
7906	17° 3811	115559		15.5	-18	04	9.2	.174	dG1	+ 13	c	5	W	SB (45)
7907	18007	115617		15.8	-18	02	4.8	1.522	dG6	- 8.5	a	10	LW	*
7908	18009	115735		16.1	+49	57	5.1	0.032	A0	- 2.9	b	9	3	*
7909	18010	115723		16.1	+34	22	6.0	.042	gK5	- 20.1	b	10	DW	*
7910	40° 2642	115721		16.2	+40	10	8.1	.045	dG2	- 24.9	b	4	W	
7911	y Hya	115659		16.2	-22	55	3.3	.086	gG6	- 5.4	a	18	3	*
7912	18015	115709		16.3	+03	57	6.6	.054	A0	- 1	c	9	SD	SB (38) *
7913	CC 770	.....		16.4	-02	48	9.8	.71	sdK5	+126	c	5	WMd	*
7914	22° 3557	.....		16.5	-22	46	9.4	.340	dK0	- 58.1	b	-	W	*
7915	18022	116459		16.8	+85	01	7.4	.134	dF7	+ 11.3	a	10	VW	*
7916	18023	115810		16.8	+35	23	6.0	.029	A5	- 2.0	b	6	V	
7917	6° 2727	115832		17.1	+05	44	8.1	.054	gF5	- 11.2	b	3	L	
7918	18029	.....		17.2	+35	23	9.8	.888	dM1	- 2.9	b	3	W	
7919	V CVn	115898		17.3	+45	47	7.0v	.034	gM5e	- 2	b	30	W	Em -7 *
7920	48° 2108	115953		17.5	+48	02	8.7	.144	dM2	+ 13	c	2	W	
7921	18034	115823		17.6	-52	29	5.7	.045	B8	+ 6.2	b	5	L	
7922	AV Vir	.....		17.7	+09	28	11.3v	.....	.....	+ 45	d	1	W	RR 0.66
7923	AC64°4188	.....		17.7	+64	26	12.8	.....	sdA8	+252	d	1	Md	
7924	18037	115903		17.7	-11	03	6.8	.125	gKO	+ 50	c	4	W	SB (25)
7925	C Cen	115892		17.8	-36	27	2.9	.351	A2	+ 0.1	a	9	L	
7926	18040	115968		17.8	+38	25	7.9	.406	dG6	+ 1	d	3	W	SB (38)
7927	18047	115983		18.0	+05	05	6.9	.041	A3n	- 19.2	b	5	S	*
7928	18048	116010		18.1	+40	25	5.7	.057	gK1	- 20.6	a	7	LW	
7929	18050	115995		18.2	+03	12	6*2	.070	A0	+ 4	c	4	V	
7930	18051	116012		18.2	+04	23	8.8	.538	dK5	- 23.5	b	5	W	
7931	18053	116056		18.3	+43	22	8.2	.434	dK2	- 39	c	3	W	
7932	CC 775	.....		18*9	-39	03	9.0	.81	sdF4	+143	d	1	Md	
7933	18069	116156		18.9	+38	07	6.9	.021	F6	- 10	c	3	S	SB (24)
7934	18079	116160		19.1	+02	21	5.7	.087	A0	- 5	c	17	MiV	*
7935	18081	116084		19.2	-51	55	6.1	.016	B1	- 15.0	b	3	L	
7936	18084	116072		19.3	-60	43	6.5	.030	B3n	- 7	c	3	L	
7937	A 8871A	116206		19.4	+18	02	8.1	.043	dF2	- 23.5	b	3	W	
7938	A 8871B	.....		19.4	+18	02	10.3	.....	dG2	- 21.3	b	-	W	
7939	18087	116087		19.4	-60	44	4.6	<.035	B5n	+ 26	d	4	L	
7940	18089	116175		19.5	-12	19	7.1	.016	gM1	- 33.0	b	3	W	
7941	18091	116235		19.6	+05	25	5*9	.079	A5	- 10.2	b	7	WV	
7942	BC Vir	.....		19.8	+06	08	10.5v	.....	.....	+ 5	d	1	W	RR 0.56
7943	18094	116303		19.9	+44	10	6.4	.072	A8	- 1.1	b	3	W	
7944	18102	116275		20.1	-12	86	7.5	.038	A2	- 22	c	4	W	SB (40)
7945	18104	116292		20.3	-17	28	5.4	.060'	gG5	- 27.1	b	7	tm	
7946	14° 3708	116332		20.5	-15	09	8.6	.010	gK5	+ 30.1	b	4	W	*
7947	18107	116243		20.6	-64	16	4.5	.052	G4	+ 11.8	a	7	JX	
7948	18109	116365		20.7	-04	40	5.9	.028	izK3	+ 9.8	b	3	W	
7949	AM Vir	.....		20.9	-16	25	10.8v	.....	GO	+105	d	1	W	RR 0.62
7950	18112	116475		21.0	+47	16	6.9	.015	KM4	- 8.3	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'	''		km/sec					
7951	AC74°4690	.....	13	21.1	+74	27	11.6	.....	sdF2	- 34	d	3	Md	
7952	18116	116244		21.1	-74	38	5.0	0.174	G7	+ 28.8	b	4	L	
7953	18119	116495		21.2	+29	30	8.9	.511	dMO	- 38.7	b	5	W	
7954	26° 2455	116515		21.4	+25	48	7.4	.046	K0	- 8	d	7	V	
7955	18127	116581		21.6	+37	18	6.4	.025	gM4	+ 0.3	b	5	V	
7956	18130	116542		2L8	+01	40	7.1	.041	A5	- 15.2	b	6	S	
7957	18132	116457		2L9	-64	13	5.5	.165	F2	- 2.3	b	4	L	
7958	t UMa	116656		21.9	+55	11	2.4	.127	A2	- 9.0	a	268	8	A 8891A *
7959	A 8891B	116657		21.9	+55	11	4.0	.123	A6	- 9.2	a	196	6	*
7960	18135	116568		21.9	-04	54	5.8	.161*	dF3	+ 13.6	b	9	SW	*
7961	18139	116594		22.0	+12	41	6.5	.034	G7	- 6	c	6	D	SB
7962	AU Vir	.....		22.2	-06	43	11.0v	.....	A0	+130	c	4	MdW	RR 0.34 *
7963	<x Vir	116658		22.6	-10	54	1.2	.054	B2	+ 1.0	a	182	YA	Orbits *
7964	18147	116706		22.7	+24	07	5.8	.017	A3	- 1	c	8	VW	*
7965	18153	116713		23.2	-39	30	5.2	.193	gK1p	+ 67.8	b	6	LW	*
7966	18155	116842		23.2	+55	15	4.0	.121	AIn	- 7.5	a	90	6	*
7967	18158	116926		23*3	+68	26	9.7	.237	dG5	- 20.6	b	4	W	
7968	W Vir	116802		23.4	-03	07	9.9v	.004	cGOe	- 65.5	b	17	W	Cep 17.3
7969	23° 11071	116858		23.9	-24	02	8.4	.375	dKO	- 10.9	b	3	W	
7970	BD Vir	116857		24.0	-15	51	10.2v	.022	A5	+ 9	c	34	Md	EA 2.55 *
7971	18168	116870		24.1	-12	27	5.6	.137	gK5	- 28.6	b	3	W	
7972	18171	116957		24.1	+46	17	5.9	.038	gKO	+ 4.3	b	3	V	
7973	RR UMa	.....		24.2	+62	39	8.6v	.....	gM4e	- 39	e	3	W	Em -49 *
7974	18173	117043		24.3	+63	31	6.6	.445	dG6	- 30.6	b	3	W	
7975	SX UMa	.....		24.3	+56	31	10.6v	.038	.....	-135	d	1	W	RR 0.31
7976	A 8903AB	117173		24.3	+76	15	8.2	.....	dF2n	+ 12	c	3	W	
7977	18174	116862		24.3	-49	07	6.3	.007	B3n	- 10	d	3	L	
7978	23° 11076	116920		24.3	-24	02	8.6	.335	dK1	- 7.0	b	3	W	
7979	12° 3817	116961		24.6	-13	03	7.7	.032	gG5	+ 2.4	b	3	L	
7980	18181	116976		24.8	-15	43	4.9	.122	sgK3	- 14.1	a	7	LW	*
7981	18183	117187		24.9	+72	39	6.1	.026	gM1	- 47.6	b	4	W	
7982	V Vir	117045		25.2	-02	55	8.2v	.009	gM5e	+ 33	c	2	W	Em +25 *
7983	18196	117200		25.4	+65	00	6.7	.072	F2	- 13.4	b	4	D	
7984	18198	117201		25.5	+64	59	7.0	.069	F5	- 15.1	b	4	D	
7985	18201	117655		25.6	+83	34	7.3	.104	dG4	- 25.4	b	3	W	
7986	18205	117104		25.7	-24	57	7.3	.058	dF7	- 34	c	4	W	
7987	2° 2680	117125]		25.7	+02	30	7.6	.039	gG8	- 0.7	b	3	L	
7988	18208	117126)		25.7	-00	35	7.5	.466	dG1	0	c	8	W	SB (46)
7989	CC 780	.....		25.8	-02	05	11.4	.50	dM4	- 17	d	4	WMd	*
7990	71° 651	117317		25.8	+70	35	7.5	.....	dA9	- 40	c	3	W	
7991	18212	117176		26.0	+14	03	5.2	.613	dG5	+ 4.2	a	9	3	*
7992	18213	117242		26.0	+53	00	6.2	.116	FO _n	- 7	c	3	V	
7993	18217	117281		26.1	+50	51	6.8	.118	A5	- 15.8	b	4	D	
7994	18218	117261		26.2	+40	59	8.5	.004	G3	- 58.3	b	4	D	
7995	18220	117150		26.3	-50	54	5.3	.028	A2	- 2	d	5	L	
7990	34 ¹ 2426	117262		26.4	+33	58	8.2	.042	gK2	- 7.9	b	4	W	
7997	18223	117566		26.5	+78	54	5.9	.138	gG4	+ 15.1	b	8	VW	*
7998	18226	117370		26.0	+60	12	5.4	.088	A0	- 7	c	15	3	*
7999	12 ^c 2597	.....		26.6	+11	44	8.6	.272	dG8	+ 2.9	b	3	W	
8880	18228	117267		26.7	-02	00	6.4	.082	gKO	+ 39.4	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'		"	km/sec						
8001	70° 741	117448	13	26.7	+70	23	7.5	.....	gG8	- 28	c	5	W	
8002	18230	117361		26.7	+50	59	6.3	0.096	dF2	- 7.3	b	4	V		
8003	18234	117304		26.7	+11	05	5.8	.077	gG9	- 1	c	9	W	*	
8004	18235	117246		26.8	-18	28	7.0	.046	gK2	+ 19.3	b	3	W		
8005	L 1194-26	.....		26.9	+44	43	13.0	1.24	M5	+ 40	d	1	Md	
8006	R Hya	117287		27.0	-23	01	3.5v	0.058	gM7e	- 10.4	a	45	W	Em -21v *	
8007	47° 2062	117403		27.1	+46	38	8.0	.007	gF4	0	c	2	L		
8008	CC 782	.....		27.4	+10	39	9.2	1.49	dM1	+ 17	c	9	WMd	*
8009	18248	117405		27.4	+06	16	6.4	0.048	G6	- 19.3	b	4	D		
8010	18249	117404		27.5	+07	26	6.3	.008	K5	- 3.4	b	4	D		
8011	18250	117434		27.6	+19	19	7.3	.099	K0	- 5	d	1	V		
8012	7° 3631	117421		27.7	-08	20	9.6	.013	dF5	- 33	c	3	W		
8013	SS Hya	117408		27.7	-23	24	7.4v	.047	B9	+ 10	e	2	W	EA SB (215)	
8014	18251	117436		27.8	-06	13	6.1	.042	A5	- 9	d	4	S	SB	
8015	18254	117440		28.1	-39	09	4.0	.027	K0	- 2.8	a	14	LC	*	
8016	S Cha	117360		28.8	-77	19	6.6	.354	F5	- 41.4	b	3	L		
8017	18281	117673		29.0	+36	44	7.7	.015	gM4	- 19	b	3	W		
8018	18283	117710		29.1	+42	22	6.2	.096	gK2	- 20.2	b	8	DW	*	
8019	18284	117635		29.1	-02	04	7.3	.868	dG7	- 54.4	b	3	W		
8020	18288	117675		29.4	-06	00	4.8	.112	gM3	+ 18.2	a	11	3		*
8021	18291	117697		29.5	+09	14	7.9	.022	dF9	+ 8.6	b	4	W		
8022	NGC 5189	117622		29.8	-65	43	.....	.....	Pe	- 6	c	3	L	Em PL neb.
8023	A 8934A	117846		30.1	+37	05	7.3	.017	gG5	- 24.7	b	4	W		
8024	A 8934B	.....		30.1	+37	05	8.2	.....	dF2	- 20.8	b	3	W	
8025	18305	117789		30.2	-15	06	5.6	.076	gK2	- 39.5	b	6	W		
8026	18309	117818		30.3	-09	54	5.4	.055	gG5	- 0.9	a	12	3		*
8027	S Vir	117833		30.4	-06	56	6.0v	.011	gM7e	+ 10	b	4	W	Em -5 *	
8028	18313	117876		30.4	+24	36	6.2	.218	gG8	+ 6.2	b	5	V		
8029	AC18°1204	.....		30.5	+17	01	11.0	.38	dM4e	0	c	4	W	96A
8030	AC18°1204	.....		30.5	+17	01	11.5	.....	dM4e	+ 8	c	4	W	96B
8031	18319	117902		30.6	+35	10	6.8	.065	A3n	- 25	c	6	W	*	
8032	18323	117878		30.8	-07	22	7.1	.077	A4E	- 17	c	3	W		
8033	RV UMa	.....		31.4	+54	15	10.1v	.025	F0	-180	b	7	W	RR 0.47 *
8034	RW Hya	117970		31.5	-25	07	9.7v	.036	K8ev	+ 14	c	8	We	Em +10 *	
8035	18335	118022		31.6	+03	55	4.9	.050	A2p	- 11.9	b	44	5		*
8036	CC 787	117939		31.6	-38	39	7.1	.62	dG3	+ 87	c	4	W		
8037	18338	118036		31.7	-00	04	7.4	.241	dK1	- 2.2	b	3	W		
8038	75 " 510	.....		31.9	+75	16	10.4	.....	dK5	- 35	c	2	Md	
8039	18348	118054		32.0	-12	58	5.8	.051	A1	- 20	c	4	W		
8040	X Vir	118098		32.1	-00	20	3.4	.287	A2	- 13.2	b	15	3		*
8041	18352	118156		32.2	+39	03	6.2	.021	A3n	- 9	c	4	V		
8042	18353	118214		32.2	+55	36	5.5	.023	AOp	- 9	c	19	3		*
8043	18356	118232		32.4	+49	16	4.6	.126	A3n	- 12	c	14	4		*
8044	X Get	117374		32.4	-85	32	5.6	.087	A2	- 9	d	2	L	SB (30)	
8045	18359	118216		32.6	+37	26	5.0	.089	c!F2	+ 7.4	a	142	V	Orb. Harper	
8046	18362	118328		32.7	+68	01	8.9	.188	◁G2	+ 20.3	b	4	W		
8047	16° 3704	118186		32.8	-16	40	8.1	.049	dF8	- 16	c	2	L		
8048	18366	118219		32.9	-05	09	5.8	.078	gG6	- 8.2	b	3	W		
8049	18368	118266		33.1	+10	28	6.5	.100	K1	+ 32.7	b	4	D		
8050	18370	118295		33.1	+44	27	6.6	.021	P0m	- 25.6	b	4	D		

Cat. No.	Star	ao. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'		km/sec						
8051	18377	118289	13	33.4	+08	33	7.1	0.050	gM4	+ 23.1	b	3	W	Em -15 *
8052	T UMi	118556		33.6	+73	41	8.4v	...	gM5e	- 3	c	2	W	
8053	18382	118330		33.7	-00	41	7.0	.236	dF6	+ 17.3	b	4	W	
8054	18384	118261		33.8	-61	26	5.6	.186	F5	+ 40.3	b	3	L	
8055	18389	118349		34.0	-26	14	5.5	.094	A2	- 9.5	b	4	L	
8056	18390	118686		34.0	+76	48	6.7	.027	K6	- 14.0	b	4	D	* * * * *
8057	CC 793	.....		34.1	+74	45	9.8	.43	dK6	- 3	c	5	WMd
8058	18399	118508		34.6	+24	52	5.9	.029	gM2	- 31	c	9	DW	
8059	18400	118536		34.6	+49	44	6.6	.021	K2	- 9.9	b	4	D	
8060	+0° 3082	118526		34.9	+00	02	8.5	.004	gFO	+ 14.7	b	4	W	
8061	A 8972A	118511		35.0	-07	37	7.1	.013	gG5	- 4.8	b	4	W	* * * * *
8062	A 8972B	.....		35.0	-07	37	7.6	...	gG4	- 0.7	b	3	W
8063	18421	118623		35.2	+36	33	4.9	*.102	A3n	- 6	c	20	5	
8064	18425	118643		35.4	+34	00	7.5	.023	cK3	- 4	c	2	L	
8065	18429	118788		35.6	+67	17	6.8	.083	gG4	- 0.6	b	3	W	
8066	18434	118660		35.7	+14	33	6.4	.043	gFO n	- 1.7	b	4	V	* * * * *
8067	18437	118741		35.7	+50	58	6.8	.014	gM3	- 48.0	b	9	WD	
8068	A 8981C	.....		35.8	+39	26	9.6	.270	dG8	- 27	c	2	W
8069	A 8981A	118742		35.9	+39	26	7.9	.278	dG2	- 21	c	3	W	
8070	18441	118936		35.9	+76	10	8.0	.290	dG3	- 42.1	b	4	W	
8071	18445	118904		36.0	+71	30	5.7	.039	gK2	+ 14.9	b	6	V	* * * * *
8072	18454	118839		36.6	+18	31	6.5	.053	gK6	- 11.1	b	4	V	
8073	€ Cen	118716		36.7	-53	13	2.6	.033	B2n	+ 5.6	b	6	L	
8074	18460	118840		36.8	+10	46	6.7	.046	K5	- 7	c	3	S	
8075	48° 2141	118954		37.1	+48	09	7.9	.024	dFO	- 5.3	b	4	W	
8076	18466	118889		37.1	+11	00	5.5	.117	dA6n	- 18	c	14	3	* * * * *
8077	18473	119024		37.6	+53	10	5.3	.150	A2n	- 18	d	10	3	
8078	26° 2481	118971		37.6	+26	11	8.2	.025	G5	+ 30.9	b	4	D	
8079	"78° 464	119272		37.7	+78	09	8.2	...	dF4	- 17.0	b	3	L	
8080	V UMi	119227		37.8	+74	34	7.4v	.040	gM4	-165	b	16	W	
8081	4° 3533	118957		37.8	-05	00	8.1	.031	sgF5	- 10	c	2	L	* * * * *
8082	16° 3718	118942		37.8	-17	05	8.1	.022	sgF3	+ 4.2	b	3	L	
8083	18479	119035		38.0	+31	16	6.1	.112	gG3	- 18	c	10	3	
8084	33° 2361	119054		38.2	+33	05	7.8	.019	dF5	+ 0.2	b	3	W	
8085	A 8991A	119055		38.3	+20	12	5.7	.051	A3	- 25	c	5	VW	
8086	A 8991B		38.3	+20	12	9.1	...	dF8	- 26.3	b	3	W	* * * * *
8087	18491	119081		38.3	+28	19	6.4	*.069	K2	- 62.8	b	4	D	
8088	18492	119124		38.4	+50	46	6.3	.141	dF9	- 10.0	b	7	WV	
8089	18495	118991		38.5	-54	18	5.4	.074	B9	+ 2	d	3	L	
808G	18496	119213		38.5	+57	28	6.1	.059	A1	- 0.2	b	7	DV	
8091	18499	119126		38.7	+22	45	5.8	.038	gG9	+ 4.5	b	9	VW	* * * * *
8092	18500	118978		38.7	-58	32	5.5	.037	B9n	- 30	c	2	L	
8093	18504	119228		38.8	+54	56	4.8	.026	gM2	- 17.1	a	7	LV	
8094	T Cen	119090		38.9	-53	21	5.2v	.027	gMOe	+ 27.6	a	34	LW	
8095	18509	119149		39.0	-08	27	5.2	.105	gU2	- 36.6	b	9	LW	
8096	CC 795	119217		39.4	+00	08	9.6	.432	dM1	+ 49	c	3	W	* * * * *
8097	18517	119150		39.6	-58	31	6.3	.028	B2n	- 48	c	3	L	
8098	N 52?2-95	.....		39.7	+28	38	13.7v	...	KSev	-159	b	14	W
8099	18520	119288		39.7	+08	38	6.1	#.396	dF4	- 11.1	b	10	WV	
8100	18523	119290		39.8	+01	15	7.9	.019	gM4	- 7.7	b	3	W	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
8101	NGC 5272	119333	13	39.9	+28	38	7.2	.....	dF4	-150	c	11	3	Glob. cl. *
8102	N5272-154	.....		39.9	+28	38	<u>12.9</u>	.....	F9ev	-153	c	15	W	F5-G3e 15.3
8103	18527	119476		39.9	+65	04	5.7	0.055	B9n	- 5	c	7	WV	SB *
8104	18535	119392		40.2	+23	34	7.5	.068	gM4	- 36.2	b	3	W	
8105	18538	119445		40.4	+41	56	6.3	.092	G5	- 32.8	b	4	D	
8106	18539	119458		40.5	+35	14	6.0	.018	gG2	- 15	c	8	SW	SB *
8107	A 9000A	119425		40.5	+03	47	5.6	.303	gK3	- 42.4	b	3	W	
8108	A 9000B	.....		40.5	+03	47	8.2	.....	dG5	- 42	c	2	W	
8109	18553	119461		40.9	-04	01	7.0	*.051	gK4	+ 4.7	b	6	W	
8110	18562	119537		41.3	-05	15	6.5	.060	A0	- 22	d	3	W	SB (104)
8111	18564	119584		41.4	+22	57	6.4	.065	gK4	+ 9.1	b	3	W	
8112	18568	119605		41.8	-15	56	5.7	.014	dF9	+ 0.7	b	4	W	
8113	17° 3918	119608		41.8	-17	41	7.3	.015	cBO	+ 23	c	10	LW	IS -2 c *
8114	SX Hya	119592		41.8	-26	32	<u>8.6v</u>	.048	A3+K5	- 47	c	26	WMd	EA 2.90 *
8115	18572	119765		42.0	+52	19	5.8	.028	A0	- 12	c	5	V	
8116	18575	119842		42.2	+60	24	7.1	.050	A1	- 11	c	4	D	
8117	18579	119706		42.3	-07	23	7.1	.039	gKO	- 32.1	b	4	W	
8118	18583	120084		42.4	+78	19	6.1	.079	gG7	- 7.4	b	9	VW	*
8119	CC 801	.....		42.6	+18	04	9.7	1.86	dM1	+ 27.4	b	4	W	
8120	RZ CVn	.....		42.8	+32	54	<u>10.8v</u>	.....	.....	- 15	d	1	W	RR 0.57
8121	18593	119756		42.8	-32	47	4.4	0.484	dFO	- 21.8	b	39	3	*
8122	18595	119786		42.9	-15	31	6.2	.056	B9n	- 41	e	2	W	+11, -93
8123	18602	119850		43.2	+15	10	8.5	2.507	dM2	+ 15.2	b	5	W	
8124	18604	119853		43.3	-12	11	5.8	0.021	gG7	- 10.9	b	3	W	
8125	18605	119992		43.4	+56	08	6.4	.382	dF6	- 4.0	b	8	WV	*
8126	18607	119834		43.5	-51	11	4.7	.040	G5	- 5.8	a	30	C	Orb. *
8127	18611	120565		43.7	+83	00	6*2	.055	gG6	- 50	c	3	W	
8128	18616	120005		44.0	+31	09	6.6	.284	F5	- 8.2	a	..	S	Orb. Shajn
8129	18618	119921		44.0	-36	00	5.2	.028	AOn	- 9.8	b	3	L	
8130	18620	120047		44.1	+41	20	5*7	.125	A3n	- 12	c	13	MiV	*
8131	18621	120048		44.2	+38	45	6.0	.052	gG5	- 13.5	b	7	SW	*
8132	18623	120064		44.4	+25	57	5.9	.067	dF3	+ 7.5	a	49	V	Orb. Petrie
8133	18625	120066		44.5	+06	36	6.3	.525	dG2	- 31.1	b	7	WV	*
8134	18627	119971		44.5	-50	04	5.5	.156	K5	+ 30.4	a	5	LC	*
8135	18630	120033		44.6	-09	28	6.2	.044	gK5	+ 7.3	b	3	W	
8136	18632	120052		44.7	-17	37	5.8	.070	gM2	+ 63.7	b	3	W	
8137	18633	120198		44.7	+54	41	5.5	.020	A2p	- 4.9	a	17	3	*
8138	CC 806	.....		44.8	-05	53	9.6	*.67	dK4	- 46.1	b	3	W	
8139	18636	120164		44.8	+38	48	5.6	.139	gG9	- 10.3	b	9	VW	*
8140	r Boo	120136		44.9	+17	42	4.5	.484	dF6	- 15.6	a	31	5	*
8141	BF Vir	120166		45.3	-00	21	9.5v	.045	A2	+ 13	b	29	Md	EB 0.64 *
8142	7) UMa	120315		45.6	+49	34	1.9	*.123	B3n	- 10.9	b	37	5	*
8143	18645	120235		45.7	-06	35	6"6	.046	gG4	- 0.9	b	4	W	
8144	18651	120348		46.0	+42	18	6.8	*.072	gK2	- 0.9	b	4	W	
8145	18° 2784	120335		46.0	+18	30	8.1	.019	sgF3	+ 5	d	2	L	
8146	18652	120237		46.0	-35	27	6.5	.551	dF8	+ 6.3	b	3	W	
8147	SS CVn	.....		46.1	+40	09	<u>11.2v</u>	.....	.....	- 5	d	1	W	RR 0.48
8148	W Hya	120285		46.2	-28	07	7.0v	.076	gMSe	+ 42.3	b	3	W	Em +28 b 0 *
8149	18662	120420		46.4	+31	26	5.8	.038	gG7	+ 11.4	a	11	VW	*
8150	RT CVn	.....		46.5	+33	56	<u>12.0v</u>	.....	gM5e	- 12	c	2	W	Em -20 *

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
8151	v Cen	120307	13	46.5	-41	26	3o5	0.037	B2	+ 9.0	a	20	L	Orb. Wilson
8152	18666	120323		46.5	-34	12	4.4	.079	sgM6	+ 40.7	a	7	LC	*
8153	RX CVn	.....		46.6	+41	38	12.2v	.....	.....	+ 5	d	1	W	RR 0.54
8154	V Cen	120324		46.6	-42	14	3.3	.032	B3ne	+ 12.6	b	5	L	
8155	A 9031A	120476		46.8	+27	14	7.8	.449	dK6	- 20.5	b	3	W	
8156	A 9031B	.....		46.8	+27	14	8.2	.....	dK6	- 21.7	b	3	W	
8157	R CVn	120499		46.8	+39	47	6.1v	.004	gM6e	- 5.6	b	6	W	Em -20 c *
8158	18673	120448		47.0	+06	36	6.8	.042	A0	+ 1	d	4	S	
8159	v Boo	120477		47.1	+16	03	4.3	.101	gMO	- 5.6	a	16	4	*
8160	CC 813	120467		47.1	-21	51	7.9	1.814	dK6	- 35.3	b	4	WMd	*
8161	18676	120452		47.1	-17	53	5.1	0.110	sgK2	- 39.7	a	15	3	*
8162	18683	120539		47.3	+21	31	5.1	.020	gK5	- 2.8	a	6	LW	*
8163	18691	120600		47.6	+36	53	6.4	.077	A3n	- 12	d	7	V	
8164	50° 8073	120489		47.8	-50	58	10	.....	Pd	+ 42	c	3	L	Em PL neb.
8165	18698	120602		47.9	+05	45	6.2	.027	G5	- 24.2	b	4	D	
8166	18700	120636		48.0	+21	30	7.4	.045	GO	- 21.7	b	3	S	
8167	18702	120651		48.0	+21	31	6.9	.044	G5	- 19	c	7	S	SB (28)
8168	18703	120702		48.0	+42	48	6.9	.007	F1	- 17.7	b	4	D	
8169	18704	120787		48.1	+61	44	6.0	.124	dG3	- 11.4	b	7	DW	*
8170	18705	120771		48.2	+55	07	8.2	.049	gM4	- 9.7	b	3	W	
8171	RX Cen	.....		48.5	-36	42	8.6v	.....	gM5e	- 1	c	2	W	Em -14 *
8172	18713	120690		48.6	-24	6B	6.5	*.653	dG5	+ 2.1	b	3	W	
8173	42° 2444	120817		48.6	+42	25	7.5	.011	A2n	- 9	c	11	DW	SB *
8174	18715	120640		48.7	-46	39	5.9	.045	B3	- 6	c	3	L	
8175	18716	120874		48.7	+58	47	6.4	.028	A0	- 40	c	5	D	SB (53)
8176	18720	120642		48.8	-52	34	5.7	.063	B8	+ 27	c	4	L	
8177	18721	120818		48.9	+35	01	6.6	.035	A2n	- 12.3	b	4	W	
8178	18724	120709		48.9	-32	45	4.7	.059	B5	+ 13.8	b	3	L	
8179	18725	120710		48.9	-32	45	6.2	.068	B8n	+ 1	c	4	L	
8180	18726	120819		48.9	+34	55	6.0	.062	gM1	- 40.0	b	11	VW	*
8181	66° 821	1209S0		49.1	+66	14	8.2	.....	gF1	- 10	c	2	L	
8182	BB Vir	.....		49.2	+06	40	10.7v	.....	.....	- 5	d	1	W	RR 0.47
8183	38° 2485	120893		49.3	+37	58	8.2	.053	dF6	- 8	c	2	L	
8184	18741	120933		49.6	+34	41	5.0	.044	gM2	- 43.6	a	5	L	
8185	18742	120950		49.7	+39	55	7.8	.026	gM4	+ 32.5	b	3	W	
8186	18744	121146		49.8	+68	34	6.4	.202	sgK2	- 45.4	b	7	DW	*
8187	18746	120934		49.9	+12	25	6.0	.027	A1n	- 15.5	b	6	WV	*
8188	18747	120901		49.9	-18	28	7.0	.049	dF3	- 38	c	5	W	SB (41) *
8189	18750	121130		50.0	+04	58	4.8	.011	gM3	- 10.7	a	12	3	*
8190	18752	121457		50.2	+79	15	6.6	.046	gK1	- 3.6	b	9	VW	*
8191	NGC 5315	120800		50.2	-66	16	.....	.....	Pe	- 23	c	6	L	Em PL neb.
8192	18755	120955		50.3	-31	41	4.8	.026	B7	+ 5.2	b	37	L	Orb. Paddock
8193	18757	120908		50.5	-53	08	6.1	.045	B7	+ 8.0	b	3	L	
8194	18781	120987		50.6	-35	25	5.6	.086	F2	- 8	d	2	L	
8195	18704	121107		50.8	+18	11	5.7	.040	gCM	- 10.0	b	9	VW	*
8196	18765	120901		50.8	-46	53	5.9	.042	B3e	- 21.0	b	3	L	
8197	18760	121109		50.8	+12	59	7.1	.050	A3	- 17.0	b	5	S	
8198	18709	121164		50.9	+25	54	5.8	.124	dA6	- 11.9	b	6	V	
8199	18770	121058		51.0	-35	04	6.3	.288	dKO	+ 12	c	2	Md	
8200	18785	121297		51.5	+52	34	7.0	.016	gM4	- 18.9	b	3	W	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
8201	18795	121190	13	52.0	-51	55	5.8	0.043	B8n	+ 8.0	b	4	L	
8202	18796	121409		52.0	+53	58	5.6	.032	A0	- 21	c	8	V	
8203	18800	121299		52.1	-01	15	5.3	.088	gK2	- 6.9	b	11	3	*
8204	7) Boo	121370		52.3	+18	39	2.8	.370	dF7	- 0.1	a	113	8	*
8205	A 9053A	121325		52.3	-07	49	6.5	.179	dF7	- 19.0	b	5	W	
8206	A 9053B	.....		52.3	-07	49	7.7	.....	dG1	- 19.4	b	4	W	
8207	? Cen	121263		52.4	-47	03	3.1	*.076	B3	+ 6.5	b	18	Md	Orb. Popper
8208	18830	121560		53.4	+14	18	6.2	.292	dF6	- 13.0	b	4	V	
8209	18838	121626		53.8	+28	55	7.1	.012	A2n	- 8.8	b	11	DS	*
8210	18841	121607		53.9	+01	18	5.9	.029	A3n	- 27	c	5	D	
8211	18843	121682		54.0	+32	17	6.3	.138	dF2	- 22.4	b	4	V	
8212	18845	121474		54.0	-63	27	4.7	.058	K4	+ 22.2	a	5	L	
8213	18850	121710		54.3	+27	44	5.2	.060	gK5	- 39.9	a	10	LV	*
8214	18862	121825		54.9	+44	32	7.6	.021	dF9	+ 23	c	3	W	
8215	18864	121979		55.0	+67	11	8.2	.147	dG6	- 14.8	b	3	W	
8216	18866	121953		55.0	+65	36	7.6	.288	dG2	- 27.9	b	4	W	
8217	18867	121766		55.0	-05	14	8.1	.015	sgF4	- 9	c	2	L	
8218	A 9069A	122189		55.1	+78	39	7.9	.016	dF4	- 2.9	b	3	W	
8219	A 9069B	.....		55.1	+78	39	9.7	.....	dGO	- 2.0	b	3	W	
8220	18° 2804	121829		55.2	+18	30	7.7	.078	gG6	- 5	c	3	L	
8221	19° 3782	121785		55.2	-20	24	8.6	.010	F0E	+ 50	d	6	L	
8222	(f> Cen	121743		55.2	-41	51	4.0	.038	B3	+ 7.4	b	7	L	
8223	ST CVn	.....		55.3	+30	06	<u>11.5v</u>	.....	.....	- 85	d	1	W	RR 0.33
8224	v Cen	121790		55.6	-44	34	4.2	.041	B3n	+ 6.8	b	7	L	
8225	18886	121907		55.7	+16	39	7.3	.047	A3	+ 23.0	b	6	S	
8226	18887	121847		55.7	-24	44	5.2	.061	B8n	+ 5	c	7	LW	SB *
8227	18888	121849		55.7	-33	45	8.4	.547	dG3	+ 64	c	3	W	
8228	20° 2904	121906		55.8	+19	42	8.6	.059	dF2	+ 4	c	4	W	
8229	2° 2752	121908		55.8	+02	28	8.5	.093	dF9	+ 8.6	b	3	W	
8230	18893	122064		56.0	+61	44	"6.4	.207	K2	- 25.3	b	4	D	
8231	18899	121980		56.3	+14	54	6.0	.091	gK5	- 40.7	b	4	W	
8232	18900	121996		56.3	+21	56	5.4	.053	A0	+ 6.1	b	11	3	*
8233	UY Boo	.....		56.3	+13	11	<u>9.5v</u>	.....	A1-A8	+145	b	18	L	RR 0.65 *
8234	54° 1636	122149		56.7	+53	49	7.9	.036	sgG2	- 2	c	2	L	
8235	18910	122132		56.8	+46	50	7.2	.012	gM2	- 59.0	b	6	LW	*
8236	CC 825	.....		57.0	+34	07	10.2	.54	A4p	-162	c	4	WMd	*
8237	18918	122066		57.2	-24	46	5.8	.227	dF3	- 17	c	3	W	
8238	18919	122106		57.2	-03	18	6.3	.075	dF5	- 8.2	b	6	WS	*
8239	RU CVn	.....		57.4	+31	52	<u>10.9v</u>	.024	.....	- 50	d	1	W	RR 0.57
8240	18924	122135		57.4	-07	55	6.6	.061	gG5	- 3	c	4	W	SB (23)
8241	18939	122223		58.6	-45	22	4.4	.028	F5	- 0.5	b	12	LC	Orb. Christie
8242	18941	122365		58.9	+09	08	5.9	.034	A2n	- 14	d	7	V	
8243	18943	122405		58.9	+27	38	6.1	.084	A3n	- 23	c	10	V	
8244	r Vir	122408		59.1	+01	47	4.3	.030	A1n	- 2.0	b	52	5	*
8245	29° 2483	122442		59.1	+28	38	7.9	.015	dA7	- 2.8	b	3	W	
8246	CC 828	.....		59.2	+09	11	<u>11.6</u>	.88	sdG3	+ 16	d	1	Md	
8247	18954	122430		59.5	-27	11	5.7	.038	gK3	0.0	b	3	W	
8248	R3SS 841	.....		59.9	-05	24	11.2	.44	sdA3	+ 91	c	3	Md	
8249	18965	122563		00.1	+09	56	6.1	.211	sdFSp	- 22	c	7	SW	*
8250	18969	122675	14	00.2	+46	00	8.5	.081	K2	- 48.6	b	4	D	

Cat. No.	Star	JHLD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'	''		km/sec					
8251	/3 Cen	122451	14	00.3	-60	08	0.9	0.035	B3	- 12	d	5	L	SB
8252	A 9090A	.....		00.5	+46	35	9.9	.55	dM3	- 31	c	4	W	s
8253	A 9090B	.....		00.5	+46	35	9.9	.....	dM3	- 28	c	4	W	n
8254	22° 2656	122694		00.6	+22	18	8.2	.069	dF6	- 45	c	2	L	
8255	18980	122909		00.7	+68	55	6.4	.036	K3	- 21.5	b	4	D	
8256	71° 674	123011		01.0	+70	35	7.6	.....	gG8	- 38	c	2	L	
8257	18985	122742		01.1	+11	02	6.4	.324	dG6	- 17	c	6	DMd	*
8258	18989	122744		01.1	+07	47	6.4	.044	G5	- 20.1	b	4	D	
8259	18990	122866		01.1	+51	13	6.0	.023	A0	- 8	c	5	D	
8260	9° 2842	122769		01.2	+08	44	8.5	.037	dF5	- 4	c	3	W	
8261	20° 3951	122751		01.3	-21	04	8.2	.058	dF2	- 29	c	3	L	
8262	62° 1328	122967		01.4	+62	32	8.2	.055	dF3	- 7	c	2	L	
8263	73° 615	123154		01.6	+73	12	8.8	.12	dG7	-146	c	4	W	
8264	18999	122837		01.7	-14	44	6.4	.047	gG6	- 15.0	b	4	W	
8265	19001	122910		02.1	+02	32	6.4	.034	K0	- 28.5	b	4	D	
8266	29° 2486	122992		02.2	+29	23	8.2	.060	gM4	- 16.6	b	3	W	
8267	19008	123033		02.5	+26	03	6.8	.113	F5	- 17	c	3	S	
8268	X Cen	122980		03.0	-40	56	4.5	.033	B3	+ 12.1	b	5	L	
8269	<x Dra	123299		03.0	+64	37	3.6	.055	AOp	- 16.0	a	59	0	Orb. Harper
8270	T Hya	123123		03.5	-26	27	3.5	.156	gK3	+ 27.2	a	25	LC	*
8271	43° 2377	123280		03.6	+42	37	8.0	.....	dF6	+ 7	d	2	L	SB (35)
8272	0 Cen	123139		03.7	-36	07	2.3	.738	gG9	+ 1.3	a	60	3	*
8273	19040	123214		04.0	-13	58	6.7	.025	gM4	+ 8.2	b	3	W	
8274	Z Boo	123304		04.1	+13	43	8.4v	.....	gM5e	+ 40	c	2	W	Em +31 *
8275	19041	123255		04.1	-09	05	5.5	.138	dA8n	- 36	c	4	W	
8276	19043	123303		04.1	+17	12	6.8	.012	gM4	+ 13.8	b	3	W	
8277	W CV22	.....		04.4	+38	04	9.8v	.035	A6-F6	+ 26.5	b	24	W	RR 0.55 *
8278	19058	123710		04.5	+74	49	8.3	.165	dG2	+ 6.8	b	3	W	
8279	19059	123408		04.5	+35	01	7.1	.015	gKO	- 3.4	b	3	W	
8280	19061	123409		04.7	+28	41	7.0	.076	sgG6	- 55.1	b	3	W	
8281	19067	123802		05.1	+74	57	7.6	.136	gK3	- 68.6	b	4	W	
8282	20° 3964	123413		05.1	-20	57	8.1	.009	gG5	+ 28	c	3	L	
8283	19072	123453		05.4	-12	41	7.6	.157	dF7	+ 14.1	b	3	W	
8284	19073	123335		05.4	-59	02	6.4	.023	B8	+ 3	c	3	L	
8285	19084	123657		05.9	+44	05	5.4	.035	gM4	- 35.8	a	13	3	*
8286	19088	123598		06.2	-19	01	7.2	.058	gM3	+ 58	c	4	LW	SB *
8287	19092	123630		06.3	-10	06	6.5	.020	gG7	- 20.1	b	3	W	
8288	18° 2830	123673		06.4	+17	53	7.8	.011	gG6	- 7.6	b	3	L	
8289	19095	123782		06.4	+49	42	5.4	.084	gM2	- 13.4	a	16	3	*
8290	19097	124063		06.5	+74	50	6.3	.060	A3	- 3.8	b	7	V	
8291	19099	123569		06.6	-53	12	4.8	.180	G5	- 17.0	b	4	L	
8292	19105	123760		07.0	+10	29	7.9	.181	dG3	- 1	c	7	WL	SB *
8293	19109	123977		07.2	+59	34	6.5	.114	gG8	+ 11	c	3	W	
8294	19110	123845		07.2	+15	51	6.7	.098	F5	- 1.6	b	9	D6	*
8295	Z Vir	.....		07.7	-13	04	9.1v	.....	gM5e	+ 68	c	2	W	Em +58 *
8296	CC 835	.....		07.8	-13	41	9.7	.42	sdF7	+126	c	4	W	
8297	17° 4022	123884		07.8	-17	45	9.3	.019	B4	+ 6.1	b	9	L	
8298	A 9136A	123963		07.9	+26	50	8.4	.188	dG4	- 24	c	4	W	
8299	A 0136B	.....		07.9	+26	50	9.4	.....	dG7	- 20.2	b	3	W	
8300	19125	123934		08.1	-16	04	5.1	*.014	g"M3	+ 17.5	a	15	3	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
8301		19127 123999	h	m	°	'	''		km/sec					
8302	AL	Vir 123984	14	08.1	+25	20	4.8	0.072	dF5	+ 10.8	a	57	O	Orb. Harper
8303	RU	Hya		08.4	-13	05	9.3v	.055	cF5	+ 23.0	b	14	W	Cep 10.3
8304		19141 124115		08.7	-28	39	7.5v	.077	gM6e	+ 2	c	2	W	Em -11 *
8305		19142 124547		09.0	+01	36	6.3	.129	dF6	- 18	c	4	W	
				09.0	+77	47	5.0	.043	gK4	+ 10.5	a	38	V	Orb. Young
8306		19143 124186		09.1	+32	32	6.2	.032	K2	- 21.7	b	5	D	
8307		19144 124106		09.1	-12	22	7.9	.309	dKO	+ 7.6	b	3	W	
8308	63°	1120 124370		09.5	+62	45	8.2	.040	sgF2	+ 4	c	2	L	
8309	55°	1664 124330		09.6	+54	39	7.8	.148	sgG4	- 29.8	b	3	L	
8310		19157 124224		09.7	+02	39	4.9	.061	AOp	+ 3	d	13	3	SB (134) *
8311		19161 124248		09.9	-09	40	7.3	.046	dA8	0	c	4	W	
8312		19162 124147		09.9	-53	26	5.5	.029	K0+A2	- 3.0	b	4	L	
8313		19163 124206		09.9	-27	02	5.2	.044	sgK3	+ 27.0	a	6	LC	*
8314	K	Vir 124294		10.2	-10	03	4.3	.134	gK2	- 4.0	a	10	L	
8315		19172 124281		10.4	-26	23	6.3	.023	gG7	- 10	c	3	W	
8316		19175 124304		10.5	-13	38	7.2	.054	gM4	- 45.4	b	5	LW	*
8317		19188 124425		11.1	-00	37	5.8	.251	dF4	+ 18.1	a	21	W	Orb. Duncan
8318		19189 124730		11.1	+69	40	5.4	.056	gM2	- 23.4	a	6	LW	*
8319	45°	9033 124448		11.2	-46	03	10.1	. . . .	B2e	- 66	c	7	Md	IS -46 e 1
8320		19195 124752		11.3	+67	49	8.2	.154	dK1	- 8.1	b	3	W	
8321	A	9167A 124640		11.4	+55	34	8.8	.343	dK5	- 16.0	b	3	W	
8322	A	9167B		11.4	+55	34	9.1	. . . .	dK5	- 17.4	b	3	W	
8323		19199 124367		11.5	-56	51	5.2	.041	B3ne	+ 19	c	3	L	
8324	31°	2595 124586		11.6	+31	26	7.2	.034	B8	- 12	c	14	DS	*
8325		19204 124674		11.7	+52	01	6.6	.065	dF1	- 20	c	13	WV	SB A 9173B *
8326		19205 124570		11.7	+13	12	5.5	.264	dF6	- 39.1	a	12	3	*
8327		19206 124587		11.7	+29	20	6.8	.045	F0+A2	- 8.3	b	4	D	
8328		19207 124675		11.7	+52	01	4.6	.064	dA7n	- 15.6	a	62	4	A 9173A *
8329		19209 124553		11.7	-05	43	6.3	.320	dF8	- 33.1	b	3	W	
8330		19211 123998		11.8	-80	47	5.0	.068	A2p	- 9.4	b	3	L	SB 2-sp
8331	20°	3989 124575		12.1	-20	50	7.7	.034	gK5	- 21	d	2	L	
8332		19223 124681		12.4	+03	34	6.6	.052	gM4	- 47.8	b	6	DW	*
8333		19224 124713		12.4	+22	06	6.4	.040	A2	- 4.0	b	4	V	
8334		19225 124755		12.4	+41	45	6.2	.115	gK3	- 10	c	6	W	SB *
8335		19226 124679		12.4	+10	20	5.4	.162	gG6	+ 16.7	a	8	LW	*
8336		19229 124683		12.6	-17	58	5.6	.044	B9	- 19	c	7	WY	*
8337		19230 124471		12.7	-66	21	5.9	»017	B2	- 20	c	3	L	
8338		19233 124757		12.8	+03	22	7.0	.200	dF7	- 44.8	b	5	W	
8339	R	Cen 124601		12.9	-59	41	6.0v	.031	gM4e	- 19.8	b	4	L	Em -23.1 *
8340		19237 124883		13.2	+27	58	7.2	.025	A2	- 4	c	6	D	
8341	a	Boo 124897		13.4	+19	27	0.2	2.284	gKO	- 5.2	a	629	16	*
8342	L	Vir 124850		13.4	-05	46	4.2	0.429	dF5	+ 11.5	a	6	L	
8343		19248 125019		13.5	+52	46	6.4	.034	A2n	- 15	c	4	W	
8344		19251 124953		13.7	+19	09	5.8	.055	A8	+ 4	c	8	W	*
8345	A	9188A 124929		13.8	+06	19	7.9	.014	A5	- 17.7	b	3	W	
8346	A	9188B		13.8	+06	19	10.0	. . . .	dGO	- 25	c	4	W	SB (20)
8347		19255 124931		13.9	-02	58	6.0	\052	A0	+ 1.6	b	5	S	
8348	A	9191A 125140		14.1	+56	54	9.7	.020	dG3	- 0.6	b	4	W	
8349	A	9191B		14.1	+56	54	11.0	. . . .	dF1	- 3.5	b	4	W	
8350		19263 125040		14.2	+20	21	6.6	*. "185	dF4	- 8.4	b	8	W	*

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
8351	XX Vir	.....	h	m	°	'			km/sec					
			14	14.2	-06	03	<u>11.4v</u>	.....	.....	- 55	b	16	W	RR L35
8352	19266	125111		14.4	+39	59	6.3	0.148	dF4	- 24.1	b	7	V	
8353	19267	125193		14.4	+56	55	6.6	.105	dG2	- 28.9	b	3	W	
8354	L Boo	125161		14.4	+51	36	4.8	.172	A5n	- 17	c	21	4	*
8355	X Boo	125162		14.5	+46	19	4.3	.240	AIn	- 8.1	b	19	3	*
8356	TV Boo	.....		14.6	+42	36	<u>10.lv</u>	.....	B9	- 85	c	2	W	RR 0.32
8357	58° 1491	125272		14.9	+58	18	8.0	.169	dF9	- 22	c	2	L	
8358	19284	125180		15.1	+15	30	6.0	.012	gM3	- 10.4	b	8	WV	*
8359	19293	125349		15.6	+51	32	6.1	.028	A0	- 11	c	7	V	
8360	19295	125248		15.9	-18	29	5.7	.079	A3	- 9.3	b	20	YW	*
8361	19296	125351		15.9	+35	44	4.8	.007	gK1	- 25.6	a	42	0	Orb. Young
8362	19297	125406		16.0	+48	14	6.2	.055	F5	- 17.1	b	4	V	
8363	19301	125335		16.2	+10	44	7.1	.049	A3	- 28.0	a	15	V	Orb. Harper
8364	19302	125158		16.2	-61	03	5.3	.195	A3	+ 21.2	b	3	L	
8365	19303	125276		16.2	-25	35	5.9	.506	dF4	- 21.0	b	3	W	
8366	6 Lup	125238		16.2	-45	50	4.1	.017	Br3n	+ 22	c	4	L	
8367	€ Aps	124771		16.2	-79	53	5.2	.020	B5n	+ 5	d	5	L	
8368	U UMi	125556		16.2	+67	01	7.6v	.....	gM6e	- 26.3	b	3	W	Em -39 *
8369	19308	125377		16.4	+04	07	8.7	.065	gG5	- 44.9	b	3	W	
8370	X Vir	125337		16.4	-13	09	4.6	.031	A2	- 10.9	b	12	3	Orb. *
8371	19317	124639		16.8	-82	37	6.4	.032	B8n	+ 26.7	b	3	L	
8372	v Cen	125288		16.8	-56	09	4.4	.020	B7	+ 4.6	b	6	L	
8373	19319	125451		16.8	+13	14	5.3	.110	dF1	- 1.9	a	6	L	
8374	19320	125538		16.9	+39	00	6.5	.024	G8	- 10.0	b	6	D	
8375	v Vir	125454		17.0	-02	02	5.2	.141	gKO	- 27.1	a	11	3	*
8376	19326	125455		17.0	-04	55	7.6	.675	dK1	- 8	c	5	WL	*
8377	15° 2695	125504		17.0	+15	10	8*1	.011	gK5	- 18.9	b	4	W	
8378	19329	125489		17.1	+00	37	6.2	.048	A3n	- 13	c	4	V	
8379	19333	125632		17.3	+55	06	6.6	.028	A2	- 3.2	b	4	D	
8380	19334	125560		17.4	+16	32	5.0	.154	gK3	- 8.0	a	14	4	*
8381	19336	125442		17*5	-44	57	5.0	.093	FQ	0	c	9	L	SB
8382	\\t Cen	125473		17.5	-37	39	4.2	.069	AOn	- 4	c	3	L	
8383	19341	125642		17.7	+39	01	6.0	.029	AOn	- 10.5	b	5	WV	*c
8384	19345	125658		18.0	+30	39	6.3	.016	A3	+ 1.3	b	4	V	
8385	19347	125796		18.5	+48	44	7.2	.057	dF8	- 17.8	b	3	W	
8386	19348	125728		18.5	+26	18	6.9	.020	K0	+ 23	c	7	BS	SB (20) *
8387	6 Oct	124882		18.7	-83	26	4.1	.093	K2	+ 4.6	a	15	LC	*
6388	19353	125798		18.8	+36	37	7.2	.057	A3	- 4.7	b	4	S	
8389	19361	125628		19.0	-58	14	5.1	.048	G3	+ 14.6	b	17	CL	SB *
8390	n 4406	125720		19.3	-43	55	.....	.....	Pb	- 22	c	3	L	Em PL. neb.
8391	19365	125745		19.3	-34	34	5.7	.032	B8n	- 37	c	2	L	
8392	AO Vir	.....		19.3	+04	08	<u>9.0v</u>	.....	gM4e	- 6	d	1	W	Em P254
8393	.....	.....		19.3	+04	08	.....	.....	G2	- 6	d	1	W	*c
8394	19387	125721		19.4	-48	06	0.3	.026	B2n	- 18	c	3	L	
8395	19374	.....		19.8	+29	52	8.6	.733	dMO	- 38.2	b	5	W	
8396	19377	125823		19.9	-39	17	4.6	.048	B7	+ 7.9	b	9	LW	*
8397	19383	125006		20.0	-07	32	7.5	.139	dF6	- 34.8	b	3	w	A 9237s
8398	19385	128G00		20.0	+29	36	6*6	.047	gM4	- 18.2	b	7	DW	SB (31) *
8399	19389	125932		20.2	-27	32	4.9	.230	sgKS	+ 19.9	a	5	L	
8400	39° 2758	120140*		20.6	+38	43	8.3	.016	sgFO	- 4	c	3	L	

Cat. No.	Star	ELD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes	
			R.A.	Decl.									
8401	19397	126053	h	m		//	km/sec						
8401	19397	126053	14	20.7	+01 28	6.3	0.532	dG3	- 17.5	b	6	WV	*
8402	19399	126035		20.7	-11 29	6.3	.068	gG7	- 1.2	b	3	W	
8403	19400	126141		20.9	+25 34	6.2	.177	dF5	- 10.0	a	10	VS	*
8404	A 9247A	126129		20.9	+08 40	5.1	.078	B9n	- 22.6	b	14	3	*
8405	A 9247B	126128		20.9	+08 40	6.6	. . . .	dF2	- 17.6	b	28	3	SB (28) *
8406	19402	125835		20.9	-67 58	5.7	.019	A2p	- 34	d	2	L	
8407	12° 4037	126101		21.1	-12 43	8.1	.025	dF5	+ 2	c	2	L	
8408	S Boo	126289		21.2	+54 02	7.2v	.031	gM4e	- 17	c	2	W	Em -25 *
8409	R Cam	127226		21.3	+84 04	6.8v	.015	Se	- 33	c	6	W	Em -44 *
8410	19416	126201		21.5	+06 03	7.8	.047	dG8	- 40.4	b	3	W	
8411	19417	126200		21.5	+08 28	5.7	.031	A0	- 4	c	5	V	
8412	19428	126248		21.7	+06 03	5*1	.082	A3n	- 5	c	8	3	SB *
8413	19431	126307		21.8	+27 38	6.6	.013	K5	+ 31.0	b	4	D	
8414	19432	126269		21.8	+16 30	6.8	.024	F5+A0	- 19.6	b	11	PnE	*
8415	19433	126271		21.8	+08 19	6.2	.152	gK4	- 30.6	b	7	DW	*
8416	RX -Boo	126327		22.0	+25 56	6.9v	.047	gM8e	- 10.3	b	3	W	SR 78
8417	19435	126218		22.0	-24 35	5.4	.066	gG8	- 22.1	a	12	3	*
8418	19437	126251		22.0	-11 27	6.5	.083	dF1	- 35.8	b	3	W	
8419	19438	126273		22.0	-02 07	7.4	.035	gM3	- 28	c	4	W	
8420	19445	126381		22.6	+05 50	7.6	.022	gG4	+ 7	c	2	L	
8421	19453	126341		22.9	-45 00	4.6	.026	B3	- 17.7	b	8	L	
8422	19454	126354		23.0	-45 09	4.5	.021	F1	- 1.2	b	34	C	Orb. Lunt
8423	21° 2649	126512		23.2	+20 49	7.9	.597	dF8	- 53.4	b	3	W	
8424	19463	. . . . .		23.4	+23 51	9.4	1.378	dM1	+ 14	c	4	W	
8425	19464	126597		23.4	+38 37	6.3	0.023	gK2	+ 25.3	b	3	W	
8426	19465	. . . . .		23.5	+23 52	9.4	1.374	dM2	+ 5.0	b	5	W	
8427	-0° 2821	126516		23.5	-00 28	8.2	0.034	dF3	- 37	c	3	L	
8428	§ Boo	126660		23.5	+52 05	4.1	.467	dF6	- 10.9	a	13	3	*
8429	26° 2569	126598		23.6	+26 29	7.6	.087	K5	+ 3	c	4	D	SB (26)
8430	19473	126795		23.7	+65 23	9.1	.181	dG2	+ 20.8	b	3	W	
8431	19478	126504		24.0	-45 55	5.9	.179	A3	- 25.6	b	3	L	
8432	19480	126661		24.1	+19 27	5.4	.074	A5	- 28.3	b	9	3	*
8433	C 1898	126681		24.6	-18 11	9.1	.304	dGO	- 47.2	b	3	W	
8434	29° 2535	126778		24.7	+28 50	8.1	.178	K0	-131.1	b	4	D	
8435	19491	126722		24.8	-05 54	6.2	.099	A1n	- 14.7	b	8	WV	*
8436	19494	126766		25.0	-13 08	6.7	.075	dF3	- 18	c	4	W	
8437	ST Vir	. . . . .		25.1	-00 41	10.8v	. . . . .	. . . . .	- 35	d	1	W	RR 0.41
8438	19499	126769		25.2	-29 16	5.0	.039	B8n	+ 6	c	2	L	
8439	19501	126943		25.5	+41 15	6.5	.061	F0	- 17.1	b	3	V	
8440	SW Boo	. . . . .		25.5	+36 16	11.2v	.058	A	+ 10	d	1	W	RR 0.51
8441	CC 860	. . . . .		25.5	+24 04	10.2	.49	dMO	- 59	d	3	W	
8442	* Vir	126868		25.6	-02 00	5.0	.141	dF8	- 9.5	a	8	LW	A 9273A *
8443	A 9273B	. . . . .		25*0	-02 00	9.7	. . . . .	dKO	- 8	e	4	W	SB (24)
8444	19505	126944		25.6	+33 10	8.4	.027	dFO	- 6	d	4	W	SB (47)
8445	RS Vir	126753		25.8	+04 54	7.3v	.031	gM6e	- 26	c	2	W	Em -40 *
8446	16° 3873	126898		25.9	-16 44	8.3	.036	dF4	+ 11	d	3	W	SB
8447	10512	126947		26.0	+05 54	7.5	.033	gM3	+ 18	c	4	W	SB (19)
8448	19516	128027		26.1	-06 41	5.7	.064	gK5	- 49.3	b	3	W	
8449	19519	127065		26*2	+36 25	6.2	.031	K1	- 17.5	b	4	Q	
845G	A 9277B	127043		26.3	+28 31	7.4	.031	AGn	- 15	c	10	SD	SB *

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	•	t			km/sec					
8451	A 9277A	127067	14	26.4	+28	31	7.0	0.014	AOn	- 12.7	b	20	SD	*
8452	19528	127093		26.5	+26	05	7.0	.031	gM4	- 0.2	b	3	W	
8453	4° 3696	127007		26.6	-04	43	8.1	.022	gF2	+ 9.1	b	3	L	
8454	19532	127243		26.9	+50	04	5.6	.310	sgG4	- 5.5	b	6	VW	*
8455	19533	126981		26.9	-45	06	5.5	.069	B9	+ 10	c	7	L	
8456	NGC 5634	.....		27.0	-05	45	10.8	.....	F4	- 63	c	4	L	Glob. cl.
8457	19539	126983		27.0	-49	18	5.5	.077	A2	+ 4	c	6	L	SB 2-sp
8458	CC 863	.....		27.2	+15	44	10.5	1.74	dM3	+ 19.1	b	3	W	
8459	19542	127167		27.3	+01	03	5.8	0.001	A3n	- 9.2	b	6	V	
8460	19545	127168		27.4	-04	02	7.0	.096	dF1	- 27.5	b	4	W	
8461	16° 2659	127227		27.5	+16	26	7.4	.056	gK5	- 41.1	b	3	L	
8462	19548	127700		27.6	+75	55	4.4	.020	gK4	+ 10.1	a	8	LB	*
8463	19550	127334		27.6	+42	01	6.4	.273	dG4	- 0.5	b	7	DW	*
8464	19553	127304		27.7	+32	01	6.0	.020	B9	- 9.3	b	7	V	
8465	V Boo	127335		27.7	+39	05	6.4v	.054	gM6e	- 38	d	1	W	Em -42 b *
8466	UW Lib	.....		28.1	-16	35	10.4v	.017	cKlev	+165	b	17	W	SR 84.7 *
8467	CC 864	127339		28.2	-08	25	9.3	1.270	dM1	- 26.8	b	3	W	
8468	19572	127337		28.3	+05	00	6.1	0.021	gK4	+ 6	c	4	W	
8469	19577	127356		28.6	-15	25	8.2	.432	dG4	+ 29.2	b	4	W	
8470	CC 868	127506		28.7	+35	39	8.2	.548	dK5	- 12	c	3	W	
8471	19589	127539		29.2	+17	52	7.2	.045	F5	- 21.8	b	5	D	
8472	0" Lup	127381		29.2	-50	14	4.6	.047	B3	- 1.8	b	6	L	
8473	22° 3804	127493		29.5	-22	26	10.0	.016	O9	+ 13.2	b	7	LW	IS -23 d *
8474	19595	127821		29.6	+63	24	6.0	.179	dF4	- 3.2	b	3	V	
8475	p Boo	127665		29.7	+30	35	3.8	.153	gK3	- 13.7	a	20	3	*
8476	19598	127618		29.7	+04	22	7.4	.015	gM3	0	c	4	W	
8477	r Boo	127762		30.1	+38	32	3.0	.186	dA5n	- 35.5	b	25	3	*
8478	19608	127726		30.1	+26	54	5.9	.076	A3n	- 5	c	5	V	
8479	50° 2089	127824		30.2	+49	49	8.2	.028	sgF4	+ 24	c	2	L	
8480	19611	127739		30.3	+22	29	6.0	.132	dF2	- 12.4	b	6	W	
8481	19613	127929		30.4	+60	27	6.2	.052	gFO	- 18.8	b	7	DW	*
8482	19623	127930		30.7	+49	24	7.8	.026	dF3	- 4.0	b	3	W	
8483	70° 792	128164		30.9	+70	28	8.2	.....	gF2	- 8	c	2	L	
8484	19626	127825		30.9	+06	30	8.1	.195	dF7	+ 1	c	2	L	
8485	19627	128000		30.9	+55	37	6.0	.023	gK5	+ 2.8	b	9	DW	*
8486	19632	127871		31.1	+09	34	8.9	.542	dK6	+ 27.6	b	4	W	
8487	19636	127986		31.3	+37	11	6.4	.065	F5	+ 1.8	b	7	SV	*
8488	RS Boo	.....		31.4	+31	58	9.7v	.004	B8-F0	- 10	b	20	W	RR 0.38
8489	19646	128165		31.8	+53	07	7.4	.313	dK5	+ 14.1	b	3	W	
8490	19650	128093		32.1	+32	45	6.3	.115	dF6	- 8.1	b	5	V	
8491	SV Boo	.....		32.1	+39	20	12.3v	.....	.....	-160	d	1	W	RR 0.58
8492	19654	128184		32.3	+47	00	6.6	.042	A0	+ 6.0	b	9	V	
8493	7/ Cen	127972		32.3	-41	56	2.6	.049	B3ne	- 0.2	b	7	L	HD B3p+-A2p
8494	a Boo	128167		32.5	+29	58	4.5	.224	dF2	+ 0.2	a	33	LS	*
8495	19662	128198		32.6	+36	51	6.2	.069	gK5	- 12	c	2	V	
8496	Z Lup	128033		32.6	-43	09	5.6v	.....	N	+ 8	c	3	W	Irr
8497	19666	128332		32.8	+57	17	6.2	.322	F5	- 21.8	b	5	V	
8498	19668	128333		32.9	+49	35	5.9	.064	gM1	- 20.1	b	3	W	
8499	CC 872	.....		32.9	+33	58	9.5	.76	dM0	- 53	c	4	W	
8500	19669	128068		33.0	-46	02	5.4	.045	K5	- 60.0	a	6	LC	*

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes	
			R.A.	Decl.									
8501	4° 3715	128200	14	33.1	-05 03	7.5	0.048	gKO	+ 2	c	2	L	
8502	19682	128207		33.6	-40 00	5.9	.036	B8n	+ 14	d	2	L	
8503	19687	128402		33.9	+23 28	6.5	.021	K0	+ 7.2	b	4	D	
8504	19689	128266		34.0	-45 55	5.4	.033	G7	- 15.6	b	5	LC	*
8505	19693	128428		34.3	-04 04	7.8	.349	dG3	- 43.0	b	3	W	
8506	19694	128481		34.3	+13 06	6.9	.040	A0	- 7	c	5	S	
8507	19695	128429		34.3	-12 06	6.2	.946	dF5	- 70.0	b	3	W	
8508	p Lup	128345		34.5	-49 13	4.1	.042	B5n	+ 14.3	b	3	L	
8509	19704	128563		34.9	+02 30	6.6	.081	F8	- 1.7	b	3	S	
8510	19705	129245		35.0	+79 53	6.4	.127	gK3	- 22.6	b	5	WV	*
8511	R Boo	128609		35.0	+26 57	5.9v	.013	gM4e	- 58	c	3	MiW	J2m -60.5 *
8512	19707	128660		35.0	+43 03	6.7	.122	F8	- 2.0	b	5	D	
8513	19708	128661		35d	+36 09	7.0	.057	A0	+ 32	c	5	S	SB (35)
8514	19724	128684		35.9	-03 24	7.4	.019	gM4	- 7	c	6	LW	SB *
8515	19725	128582		35.9	-46 22	6.2	.286	dF8	- 10	d	3	Md	
8516	19726	128750		35.9	+18 31	6.0	.088	sgK2	- 14.4	b	7	VW	*
8517	a CenA	128620		36.2	-60 38	0.3	3.676	dG4	- 24.6	a	74	LC	*
8518	a CenB	128621		36.2	-60 38	1.7	.....	dK5	- 20.7	a	50	LC	*
8519	<x Cen	.....		36.2	-60 38	.....	3.676	.....	- 22.2	a	124	LC	*
8520	<x 19733	128902		36.3	+43 51	5.9	0.118	gK2	- 48.8	b	9	VW	*
8521	19734	128941		36.3	+51 48	6.8	.053	dF4	- 23.6	b	9	VW	*
8522	19738	128756		36.5	-24 49	8.1	.042	gKO	+ 11.8	b	3	W	
8523	19742	128998		36.7	+54 14	5.5	.027	AO _n	- 1	c	10	3	*
8524	NGC 5694	.....		36.7	-26 22	.....	.....	A9	-187	c	4	L	Glob, cl.
8525	19747	129002		37.0	+44 37	5.4	.074	AO _n	- 10	c	17	4	SB *
8526	27° 2404	128967		37.1	+27 01	8.4	.029	dF2	- 10.1	b	4	W	
8527	RV Boo	129004		37.2	+32 45	7.5v	.018	gM6e	- 3.3	b	7	W	SR 140
8528	V Lib	.....		37.6	-17 27	8.5v	.024	gM5e	+ 15	c	2	W	Em +7 *
8529	19757	129333		37.9	+64 30	7.4	.147	dG0	- 30.5	b	3	W	
8530	19762	129132		38.1	+22 11	6.2	.031	dF1	+ 0.9	a	80	V	Orb. Harper
8531	19766	129153		38.3	+13 45	6.0	.062	A8	- 7.9	b	5	D	
8532	31° 2643	129209		38.3	+30 44	7.9	.097	sgG2	- 7	c	2	L	
8533	A 9338A	129174		38.4	+16 38	4.9	.014	A0	- 0.5	a	62	3	*
8534	A 9338B	129175		38.4	+16 38	5.8	.001	AO _n	- 6	c	10	3	SB *
8535	a Cir	128898		38.4	-64 46	3.4	.308	F0	+ 7.4	a	23	LC	*
8536	oc Lup	129056		38.6	-47 10	2.9	.033	B2	+ 7.3	a	16	L	
8537	J Boo	129247		38.8	+13 57	3.9	.058	A2n	- 4.6	b	28	6	*
8538	19779	129116		38.8	-37 35	4.1	.046	B3n	+ 8	c	3	L	
8539	+0° 3223	129230		38.9	+00 19	8.1	.035	gG7	+ 22.6	b	3	W	
8540	RW Boo	129355		39.1	+31 47	7.6v	.052	gM5	- 11	c	2	W	Irr?
8541	19789	129312		39.2	+08 22	5.0	.007	gG5	- 22.2	a	12	3	*
8542	19793	129336		39.3	+11 52	5.6	.201	gG7	- 23.3	a	15	WV	*
8543	19° 2844	129391		39.5	+18 43	7.6	.058	gG7	- 14.6	b	3	L	
8544	A 9346A	129580		39.6	+58 10	7.4	.239	dKO	- 9.0	b	3	W	
8545	A 9346B	.....		39.6	+68 09	8.4	.....	dG7	- 16.1	b	4	W	
8546	19800	129430		39.6	+21 20	6.4	.062	G5	- 11.0	b	4	D	
8547	SZ Boo	.....		40.0	+28 25	11.0v	.....	.....	- 45	d	1	W	IRR 0.52
8548	20° 3010	.....		40.3	+19 42	9.9	.....	dMO	- 16	c	3	W	
8549	19812	129433		40.3	-24 47	5.8	*.023	B9n	- 4.2	b	4	W	
8550	19813	129537		40.3	+14 55	6.6	.031	F2n	- 19.5	b	7	S	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
8551	<i>fi</i> Vir	129502	14	40.4	-05	27	4.0	0.339	dF3	+ 5.4	a	77	3	*
8552	19820	129456		40.6	-34	58	4.1	.203	gK5	- 38.5	a	19	3	*
8553	19825	129798		40.8	+61	28	6.2	.080	dF4	- 6.3	b	3	W	
8554	CC 87Q	.....		40.9	+06	02	10.2	.92	sdG2	-1.0	d	3	W	*
8555	19831	129712		41.2	+26	44	4.9	.023	gM3	+ 5.6	a	10	3	
8556	19832	129422		41.3	-62	40	5.3	.115	A5n	+ 7	d	3	L	
8557	69° 765	130043		41.5	+69	20	9.2	.....	dGO	- 6.1	b	3	W	
8558	<i>a</i> Aps	129078		41.6	-78	50	3.8	.025	K5	- 0.1	a	11	LC	*
8559	19835	129557		41.6	-55	23	6.2	.026	B2	- 3.7	b	3	L	
8560	19841	129846		41.8	+40	40	5.8	.024	gK4	+ 13	c	9	VW	SB *
8561	19845	129685		41.9	+34	59	5.0	.012	AOn	- 5.0	b	3	L	
8562	A 9366A	129868		42.3	+07	55	8.0	.016	gG4	- 14.7	b	3	W	
8563	A 9366B	.....		42.3	+07	55	8.5	.....	dA8n	- 16.7	b	4	W	
8564	UV Dra	130082		42.5	+56	19	8.6v	*.026	gM1	- 35	b	12	W	SR 77.4
8565	19852	129902		42.6	-01	12	6.2	.057	gM1	- 47.2	b	3	W	
8566	19853	130044		42.6	+45	24	6.8	.064	F2	- 6.7	b	4	D	
8567	€ Boo	129989		42.8	+27	17	2.7	.051	gKO	- 16.5	a	43	8	A 9372A *
8568	A 9372B	.....		42.8	+27	17	5.1	.....	A3n	- 16.2	b	7	LV	SB 2-sp *
8569	<i>o</i> Boo	129972		42.9	+17	10	4.7	".085	sgG6	- 9.4	a	9	LB	*
8570	19860	129956		43.0	+00	56	5.5	.044	B9	- 17	c	14	VY	*
8571	19862	130025		43.0	+19	06	6A	.031	G2	- 4.1	b	4	D	
8572	A 9375A	129926		43.1	-25	14	5.2	.189	dF1n	- 13	c	3	L	
8573	A 9375B	.....		43.1	-25	14	7.1	.166	dF9	- 19.9	b	3	W	
8574	19867	130084		43.1	+33	00	6.5	.093	gM1	+ 30	e	7	DW	*
8575	TW Boo	.....		43.2	+41	14	10.2v	.....	.....	-120	d	1	W	RR 0.53
8576	19870	129978		43.2	-15	15	6.6	.034	gK2	- 39.8	b	3	W	
8577	34° 2559	130083		43.2	+34	34	7.8	.005	gM2	- 25	c	7	W	SB
8578	19871	129944		43.2	-22	57	5.9	.069	gG5	+ 7.3	b	4	W	
8579	19873	129980		43.3	-20	58	6.4	.128	dF9	- 0.2	b	4	W	
8580	19876	129893		43.5	-52	10	5.2	.098	G6	- 20.8	b	3	L	
8581	19881	130188		43.6	+42	35	7.2	«.093	dF5	- 21.1	b	3	W	
8582	19884	130109		43.7	+02	06	3.8	.119	AOn	- 6.1	b	23	3	*
8583	19885	130144		43.7	+15	20	6.1	.084	gM5	- 22.3	b	3	W	
8584	19886	130145		43.8	+09	52	7.5	.278	dG1	+ 25.4	b	3	W	
8585	15° 2760	130155		43.9	+14	43	7.3	.032	gM1	+ 6	c	3	L	
8586	19890	.....		44.1	+16	43	9.3	.936	dK6	+ 47.8	b	4	W	
8587	19895	130157		44.4	-21	07	6.1	.014	gK5	- 24	c	4	W	
8588	19897	130158		44.5	-25	25	5.7	.026	AOp	- 18	c	3	L	
8589	A 9383A	130256		44.5	+01	11	6.8	.048	A0	+ 6	c	10	SW	SB (36) *
8500	A 9383B	.....		44.5	+01	11	9.1	.....	dF3	- 7.1	b	4	W	
8591	18° 2931	1303421		44.8	+18	33	8.0	.023	dF4	+ 4	<i>d</i>	2	L	
8592	19904	130259		44.8	-25	53	5.4	.044	gG5	- 0.8	a	9	3	*
8593	19908	130274*		45.0	-26	26	5.8	.024	B9n	+ 6	c	3	L	
8594	RR Boo	.....		45.1	+39	31	8.0v	.....	gM3e	- 44	b	6	W	Em -52.9 *
8595	19923	130603		46.2	+24	34	6.0	*.V18	dF6	- 31.3	b	7	V	
8598	19932	130557		46.3	-00	38	6.1	.010	A0	- 16.0	b	6	SV	*
8597	19934	130604		46.4	+06	10	6.7	.093	dF5	- 1.3	b	6	WS	*
8598	19936	130529		46.4	-24	03	5.8	.028	gK1	- 26.3	b	3	W	
8599	18° 2935	130652		46.5	+18	24	7.4	.026	gKO	- 27.8	b	3	W	
8600	<i>fi</i> Lib	130559		46.6	-13	57	5.8	.008	A4p	- 4.1	b	17	4	A 9396A *

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
8601	A 9396B	.....	14	46.6	-13	57	6.7	.....	A4p	+ 0.7	b	4	W	
8602	44° 2393	130741		46.6	+44	26	9.4	0.062	dF5	- 1	c	3	W	
8603	26° 2606	.....		46.8	+25	56	9.8	.340	dFO	+ 34	c	2	Md	
8604	19943	130669		46.8	+10	25	8.2	.237	dG9	- 91.6	b	3	W	
8605	58° 1529	130893		47.0	+58	16	8.2	.017	sgF3	- 16	c	2	L	
8606	19947	130766		47.0	+25	21	6.8	.030	K0	- 12	c	8	DS	SB *
8607	68° 801	131020		47.0	+68	10	9.2	.....	dG8	+ 4.5	b	3	W	
8608	19949	130817		47.1	+38	01	6.0	.280	dF3	- 34.6	b	5	WV	*
8609	19950	130767		47.2	+19	43	6.9	.043	B9	- 14	c	6	S	
8610	19951	130726		47.2	+08	12	7.0	.040	GO	- 31	d	3	S	SB (20)
8611	10° 2749	130768		47.3	+10	24	7.5	.014	gG9	+ 16	c	2	L	
8612	19954	130694		47.3	-27	45	4.6	.251	gK4	- 9.9	b	4	L	
8613	RY Boo	130818		47.5	+23	14	7.0v	.038	dF4	+ 1.9	b	11	V	
8614	19959	130945		47.5	+46	19	5.8	.084	dF4	- 4.7	b	8	DW	*
8615	19966	130917		47.8	+28	49	5.7	.022	AOn	- 3	d	11	WV	SB *
8616	19968	130871		47.9	+07	01	9.4	.605	dK6	- 31.3	b	3	W	
8617	A 9405A	131040		47.9	+51	35	6.4	.011	dF4	- 5.1	b	11	WV	SB *
8618	A 9405B	.....		47.9	+51	35	9.9	.....	dG7	- 29	c	3	W	SB
8619	19970	130819		47.9	-15	47	5.3	.125	dF4	- 23	c	9	WV	*
8620	A 9406A	131041		48.0	+48	56	6.0	.117	dF6	- 31.7	a	12	VW	*
8621	A 9406B	.....		48.0	+48	56	6.7	.....	dF5	- 27.2	a	33	V	Orb. Harper
8622	19974	130948		48.0	+24	07	5.8	.151	dG2	- 1	c	7	SW	SB *
8623	a Lib	130841		48.1	-15	50	2.9	.130	Fin	- 10	c	8	3	*
8624	19976	130458		48.2	-72	59	5.6	.037	G5	+ 38	d	1	L	
8625	o Lup	130807		48.4	-43	22	4.5	.040	B6	+ 7.0	b	6	L	
8626	19978	130952		48.4	-02	06	5.0	.153	gG6	+ 83.1	a	10	LC	*
8627	19979	130970		48.4	-00	03	6.2	.029	K5	- 20.4	b	4	D	
8628	19982	131111		48.5	+37	29	5.5	.230	gKO	- 66.4	a	14	3	*
8629	19983	131023		48.6	+09	56	7.4	.230	dG5	- 35.6	b	3	W	
8630	19985	130989		48.8	-17	35	6.7	.134	dF5	+ 25.8	b	3	W	
8631	19986	130992		48.8	-24	06	7.7	1.029	dK5	- 65.0	b	3	W	
8632	20° 4107	130991		48.9	-20	25	7.5	0.027	gG8	- 5	c	6	WL	*
8633	19990	131027		49.0	-18	09	6.8	.015	gG7	- 21.9	b	4	W	
8634	f Boo	131156		49.1	+19	18	4.8	.172	dG5	+ 3.9	a	9	LV	A 9413A *
8635	A 9413B	.....		49.1	+19	18	6.8	.....	dK5	+ 6	c	3	W	
8636	19997	131444		49.5	+65	51	7.2	.023	gMO	- 27.9	b	3	W	
8637	19999	131117		49.6	-30	22	6.4	.333	dG1	- 26.9	b	4	W	
8638	45° 2228	131316		49.6	+44	49	8.0	.016	dF5	- 28	c	3	W	
8639	45° 2229	131315		49.6	+45	08	7.8	.067	dGO	- 25.1	b	3	W	
8640	20000	131120		49.7	-37	36	5.1	.040	B8	+ 5.4	b	5	L	
8641	20005	131265		49.8	+20	30	6.9	-0.22	A2	- 1.7	b	5	S	
8642	20012	131507		50.2	+59	30	5.7	.175	gK4	+ 11.4	a	10	WV	*
8643	20013	131334		50.2	+18	56	8.2	.194	dGO	- 47.6	b	3	W	
8644	8° 3851	131271		50.2	-08	30	8.1	.058	dF6	+ 12	c	2	L	
8645	20017	131058		50.4	-65	47	6.2	.035	B5n	- 21	a	3	L	
8646	0 UMi	131873		50.8	+74	22	2.2	.033	gK5	+ 16.9	a	31	4	*
8647	20032	131473		51.0	+15	54	6.8	.024	dF9	+ 20.8	b	3	W	
8648	20037	131511		51.1	+10	21	6.0	.500	dK1	- 34	c	8	VW	SB *
8648	20047	131430		51.4	-24	26	5.4	.038	sgK2	+ 8.8	b	8	3	*
8650	20049	131582		51.5	+23	S3	8.8	.837	dK6	- 30.3	b	4	W	

Cat. No.	Star	E.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
8651	20052	131530	14	51.7	-11	42	5.8	0.059	gG7	- 23.8	b	3	W	
8652	20054	131342		51.7	-59	55	5.2	.172	K3	- 15.0	b	3	L	
8653	U Boo	.....		52.0	+17	54	9.4v	.....	gM4e	+ 19	c	4	W	Em +10 *
8654	R Aps	131109		52.1	-76	28	5.4	*.076	M0	- 31.2	b	8	L	
8655	20060	131764		52.5	+30	16	6.8	.057	F4	- 33.7	b	13	DS	*
8656	20066	131625		52.7	-33	39	5.3	.018	AOn	- 9	d	3	L	SB 2-sp
8657	6 Cir	131492		52.7	-62	35	5.4	.012	B3n	- 4	c	5	L	
8658	20068	131562		52.7	-52	36	5.6	.028	A2	+ 7	d	3	L	SB
8659	20078	131657		53.1	-47	41	5.8	.050	B9	+ 8	d	3	L	SB (65)
8660	20087	133002		53.6	+82	43	5.7	.282	dGO	- 43.0	b	6	WV	*
8661	20088	135294		53.6	+87	25	7.2	.020	gK1	- 27.1	b	3	W	
8662	20090	132142		53.8	+53	52	7.9	1.081	dKO	- 14.9	b	3	W	
8663	20092	131951		53.9	+14	39	5.8	0.016	AOn	- 11	c	5	D	
8664	20093	132029		53.9	+32	30	6.1	.047	A3n	- 12.1	b	8	WV	*
8665	20096	131918		54.1	-11	13	5.6	.004	gK4	+ 14.6	b	5	W	
8666	15° 3990	131958		54.3	-16	19	8.3	.017	dF1	+ 34	d	2	L	
8667	A 9446B	131976		54.5	-21	11	8.9	1.935	dM2	+ 25	c	3	W	
8668	A 9446A	131977		54.5	-21	11	5.8	2.032	dK5	+ 19.5	b	3	W	
8669	20115	132052		54.6	-04	09	4.6	0.191	dA9n	+ 21.6	b	20	3	*
8670	20118	131923		54.7	-48	39	6.5	.319	dG7	+ 44	d	2	Md	
8671	20119	132254		54.7	+49	50	5.7	.255	dF7	- 14.6	b	3	W	
8672	20120	132145		54.8	+21	45	6*2	.038	A0	- 10.8	b	7	V	
8673	20121	132146		54.9	+16	35	5.8	.009	gG5	- 15.9	b	9	W	*
8674	20122*	132132		55.0	+00	02	5.7	.071	sgK1	+ 19.5	a	12	VW	*
8675	20124	132112		55.0	-12	14	7.6	.035	gM5	+ 4.2	b	3	W	
8676	25° 2853	132256		55.2	+25	31	7.3	.055	G5	- 3.1	b	4	D	
8677	j3 Lup	132058		55.2	-42	56	2.8	.066	B3n	- 0.3	b	7	L	
8678	20131	132770		55.3	+75	05	7.0	.002	gM3	+ 29.9	b	3	W	
8679	20136	132230		55.5	-10	57	6.4	.026	AOn	- 17	c	4	W	SB
8680	CC 901	.....		55.7	+31	33	11.1	1.50	dM2	+ 24	c	3	W	
8681	20140	132219		55.7	-27	27	5.7	0.047	A5	- 16	e	1	L	
8682	20145	131246		55.9	-82	50	5.6	.017	KO	- 21	d	1	L	
8683	K Cen	132200		55.9	-41	54	3.4	.033	B2	+ 9.1	a	20	L	
8684	20148	132445		55*9	+44	40	7.2	.036	A2n	- 11	c	9	D	
8685	20151	132560		56.0	+57	51	7.1	.047	F5	- 9.0	b	6	D	
8686	20157	132345		56.2	-10	57	6.0	.125	gK4	- 11.5	b	8	W	
8687	20158	132375		56.3	-04	47	6.0	.374	dF6	- 28.8	b	3	W	
8688	20161	133872		56*5	+84	08	7.1	.014	gK3	- 12.0	b	4	W	
8689	20170	132813		56.8	+66	08	4.9	.082	gM5	+ 7.3	a	23	V	Orb. Young
8690	20174	132525		56.9	+04	46	6.2	.015	gM1	- 11.5	b	4	V	
8691	20175	132475		57.0	-21	48	8.5	.740	sdA9p	+167	c	7	MdW	*
8692	20180	132890		57.5	+61	52	7.0	.018	A2	+ 1	c	7	D	
8693	20183	132772		57.7	+39	28	5.6	.045	gF3n	+ 12.3	a	10	DW	*
8694	27° 2442	132737		57.8	+27	21	8.6	.046	KO	- 21.7	b	4	D	
8695	20188	132683		58.0	-10	56	9.3	.472	dMO	+ 14	c	4	W	
8696	6 Lib	132742		58.3	-08	19	4.8v	.066	AO	- 38.7	b	116	AMi	EA 2.33 *
8697	20199	132832		58.5	+03	06	6*8	.111	F6	- 9	d	3	S	SB (29)
8698	20200	132879		58.6	+22	45	6.4	.008	K1	- 25.9	b	4	D	
8699	20202	132833		58.7	-02	33	5.7	.040	gMO	- 14.9	b	4	W	
8700	20204	132971		58.9	+31	34	8.0	.072	gM4	- 16.7	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	VeL	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
8701	20205	133029	14	58.9	+47	28	6.2	0.019	AOp	- 14.0	b	7	VW	*
8702	CC 904	.....		59.1	+45	37	9.0	.43	dMO	- 14.8	b	3	W	*
8703	20212	132933		59.3	+00	03	5.9	.031	gM2	- 33.8	b	10	VW	*
8704	o) Boo	133124		59.9	+25	12	4.9	.055	gK5	+ 13.4	a	9	LW	*
8705	20225	132955		59.9	-32	27	5.4	.042	B5	+ 5.5	b*	3	L	*
8706	(5 Boo	133208	15	00.1	+40	35	3.6	.059	gG5	- 19.9	a	18	3	*
8707	20231	133161		00.2	+16	15	7.0	.234	GO	- 34.4	b	8	DS	*
8708	20233	133388		00.3	+60	24	5.9	.026	A2	- 8.5	b	6	D	*
8709	20236	133621		00.4	+71	58	6.7	.411	dGO	- 44.9	b	5	WV	*
8710	20237	133165		00.4	+02	17	4.6	.057	gKO	- 16.4	a	10	LB	*
8711	20239	133254		00.4	+31	53	6.8	.026	gM4	- 28	c	4	W	
8712	7) Cir	132905		00.6	-65	50	5.2	.096	G4	+ 44.8	a	5	L	
8713	NGC 5824	.....		00.9	-32	53	10.1	.....	dF4	- 63	e	4	L	Glob. cl.
8714	20249	133235		00.9	-07	23	8.1	.016	gM2	+ 14.4	b	4	W	
8715	20250	133330		01.0	+28	28	6.9	.016	A3n	+ 9	d	12	DS	*
8716	20252	133392		01.1	+35	24	5.7	.044	gG8	- 26.7	b	3	W	
8717	4) Lib	133216		01.1	-25	05	3.4	.089	sgM4	- 4.3	a	12	LC	*
8718	20258	133484		01.3	+44	50	6.4	.093	dF5	- 20.0	b	7	V	
8719	2° 3939	133332		01.4	-02	40	10.6	.....	R6	- 28	d	2	W	
8720	20265	133485		01.6	+34	46	6.4	.025	K0	- 25.1	b	4	D	
8721	A 9493B	.....		01.6	+05	41	7.3	.051	FOn	+ 7	d	4	V	
8722	A 9493A	133408		01.6	+05	41	7.1	.050	FO	- 8.4	b	4	V	
8723	20268	133460		01.6	+26	14	7.9	.030	dF7	- 9	d	3	L	SB (28)
8724	it Lup	133242		01.7	-46	51	4.4	.035	B5n	+ 17	c	4	L	
8725	20278	133340		02.1	-40	52	5.3	.020	G5	- 3.1	b	4	L	
8726	29° 2618	133544		02.1	+29	14	7.8	.008	A2n	- 18.1	b	3	W	
8727	A 9494A	133640		02.1	+47	51	5.8	.410	dG1	- 24.7	a	21	5	*
8728	A 9494B	.....		02.1	+47	51	6.6v	.410	G2+G2	+ 3.4	b	40	Md	EB 0,27 *
8729	ψ Boo	133582		02.3	+27	08	4.7	.180	gK2	- 26.1	a	7	LB	*
8730	-0° 2924	133644		03.0	-01	07	8.1	.057	dF7	+ 5.7	b	3	L	
8731	20295	133909		03.1	+59	44	7.3	.049	A5n	- 9	d	6	D	
8732	20297	133994		03.2	+66	07	6.1	.025	AO	- 4.6	b	3	V	
8733	20299	133604		03.3	-23	08	7.1	.052	gF5n	- 27.5	b	3	W	
8734	20305	133670		03.6	-21	50	6.1	.091	KO	+ 4.7	b	3	W	
8735	RT Lib	133710		03.6	-18	33	7.8v	.....	gM4e	+ 41	b	3	W	Em +32.7 *
8736	20308	133962		03.8	+48	21	5.6	.069	AO	- 13.0	b	11	VY	*
8737	v Lib	133774		03.8	-16	04	5.3	.051	gK5	- 15.1	a	7	L	
8738	29° 2621	.....		03.9	+29	12	8.5	.019	gG6	- 8.5	b	3	W	
8739	29° 2622	.....		04.0	+29	38	8.5	.014	gFOn	- 25	c	5	W	
8740	20325	133894		04.5	-08	44	8.3	.017	gM4	- 1.8	b	3	W	
8741	20329	134044		04.6	+36	39	6.3	.068	dF7	- 5.0	b	9	VW	*
8742	30° 2611	.....		04.7	+30	12	8.8	.018	dG2	-278.2	b	4	W	*
8743	20332	134190		04.8	+54	45	5.2	.053	gQ4	+ 16.1	a	13	3	
8744	20334	134319		04.9	+64	14	8.3	.159	dG5	- 4.3	b	3	W	
8745	23° 2775	134063		05.0	+22	45	7.7	.040	gG4	- 11	c	2	L	
8746	20340	134064		05.0	+18	38	6.0	.075	AO	- 5	d	5	V	SB (51)
8747	20342	134083		05.1	+25	04	5*0	.255	dF4	- 7.3	b	18	4	*
8748	A 9507B	.....		05.1	+09	25	7.4	.182	dG5	- 34.2	b	3	W	
8749	A 9507A	134066		05.1	+09	25	7.3	.184	dG5	- 34.5	b	4	W	
8750	20346	134047		05.2	+05	41	6.2	.026	gG6	+ 3	c	9	VS	SB (26) *

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.	Decl.								
			h	m	°	'	//	km/sec				
8751	20348	.....	15 05.3	+25 07	10.2	1.004	dMO	- 64	c	3	W	
8752	20350	133937	05.3	-42 41	6.0	0.038	B5n	+ 2	d	3	L	
8753	20351	134584	05.4	+74 05	7.2	.037	A3	- 16.4	b	3	W	
8754	20352	134113	05.4	+09 04	8.7	.514	dF8	- 60	c	3	W	
8755	X Lup	133955	05.5	-45 05	4.4	.032	B3n	+ 18	c	8	L	
8756	20360	134088	05.5	-07 43	8.1	.484	dF8	- 59	c	5	W	
8757	14° 2839	134152	05.6	+14 34	9.5	.028	GO	- 18	d	2	L	
8758	CC 912	.....	05.7	+32 37	10.8	.51	dGO	- 63	c	4	W	
8759	20362	134585	05.7	+72 04	7.6	.107	gK1	- 17.6	b	3	W	
8760	10° 2797	134228	05.9	+10 18	7.9	.069	dF8	+ 7	c	2	L	
8761	20367	134320	06.2	+26 30	5.7	.021	gK2	+ 21	c	9	VW	*
8762	TZ Boo	.....	06.3	+40 10	10.6v	.....	.....	- 58	b	29	Md	EB 0.30 *
8763	20370	134305	06.4	+12 41	7.2	.008	A5	- 33.3	b	5	D	
8764	20372	134335	06.4	+25 18	5.9	.014	gK1	- 16.2	b	9	VW	*
8765	2° 2919	134285	06.4	+01 53	7.8	.079	dF1	+ 10.6	b	3	W	
8766	20373	134323	06.5	+13 25	6.1	.081	dG6	- 48.7	a	12	3	*
8787	20380	134493	06.7	+50 15	6.3	.029	K0	- 28.7	b	4	D	
8768	20381	134646	06.9	+63 18	6.8	.002	gF2	0	d	4	W	SB (129)
8769	20383	134329	06.9	-23 48	6.8	.039	gK5	- 14	c	3	W	
8770	20393	134440	07.5	-16 13	9.9	3.678	dKO	+305.9	b	3	W	
8771	20394	134439	07.5	-16 08	9.4	3.696	dG2	+292	c	5	WMd	*
8772	20395	134270	07.5	-55 09	5.6	0.023	G5	- 4	d	1	L	
8773	20396	134807	07.6	+65 59	6.8	.034	gM4	- 26.7	b	4	W	
8774	T Lib	.....	07.9	-19 50	9.2v	.....	gM4e	- 48	c	2	W	Em -57 *
8775	A 9527A	134679	08.0	+39 10	7.9	*.088	dF8	- 12	c	4	W	SB
8776	A 9527B	.....	08.0	+39 10	10.1	.....	dK4	- 5	c	4	W	SB (30)
8777	20402	134627	08.1	+11 52	7.1	.022	gM2	- 19.7	b	3	W	
8778	K kup	134481	08.4	-48 33	4.1	.109	B9n	+ 3	c	3	L	
8779	20411	134482	08.5	-48 33	6.0	.113	A0	0	c	2	L	
8780	20413	134630	08.5	-12 52	7.5	.037	gG7	- 37	c	2	L	
8781	? Lup	134505	08.7	-51 55	3.5	.135	G5	- 9.7	a	13	LC	*
8782	20420	135363	08.7	+76 23	9.2	.230	dK1	- 1.0	b	3	W	
8783	20421	134792	08.8	+29 25	7.1	.033	F5	+ 15.4	b	7	DS	*
8784	y Lib	134739	09.0	-05 50	7.5v	•»••	gM5e	- 7	b	3	W	Em -15 *
8785	L Lib	134759	09.4	-19 36	4.7	.060	B9n	- 11.6	b	57	3	SB *
8786	20434	134854	09.4	+10 24	6.8	.034	A0	- 13	c	5	S	
8787	e Lup	134687	09.5	-44 19	4.9	.051	B5	+ 11	c	6	L	SB
8788	X TrA	134453	09.5	-69 54	8.2v	.017	N	- 3.7	b	3	L	Irr
8789	NGC 5873	134743	09.5	-37 54	9.7	.....	Pe	-130.3	b	4	L	Em PL neb.
8790	20442	134943	09.8	+19 10	6.0	.013	gM4	- 34.7	b	3	W	
8791	20443	135100	09.8	+48 53	8.2	.019	dF1	- 14	c	4	W	SB 2-sp
8792	20444	134963	09*8	+22 30	6.8	.050	gM2	- 27.7	b	4	W	
8793	20451	135384	10.2	+67 58	6.2	.003	A2	- 8	c	14	V	
8794	59° 1632	135244	10.2	+59 15	7.6	.006	gK5	- 11.3	b	3	W	
8795	21° 5912	.....	10.3	-21 47	10.5	.70	dK5	- 72	c	3	W	
8796	20456	134967	10.5	-19 28	6.0	.067	AOn	+ 1	d	4	W	SB (78)
8797	A 9535A	135101	10.5	+19 28	6J	.656	dG5	- 36.7	b	7	VW	*
8798	A 9535B	..... 1	10.5	+19 28	7.0	.665	dG6	- 40.1	b	6	W	
8799	20461	134987	10.5	-25 07	BA	.405	dG4	+ 2.9	b	3	W	
8800	20403	135145	10.7	+28 07	8.0	.120	G5	- 57.2	b	5	D	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			K.A.		Decl.									
			h	m	°	'			km/sec					
8801	20466	135051	15	10.9	-26	00	6.0	0.018	gG5	- 28.3	b	3	W	
8802	20474	135263		11.3	+23	10	6.2	.102	A0	- 4.8	b	3	V	
8803	20475	135204		11.3	-01	10	6.7	1.376	dG8	- 69.6	b	4	W	
8804	Y Ser	135205		11.4	-01	42	8.0v	0.054	gM5	- 59	c	2	W	SR 386
8805	A 9543A	135264		11.4	+14	38	8.4	.079	dF6	+ 29.5	b	4	W	
8806	A 9543B	.....		11.4	+14	38	9.2	.....	dF8	+ 28.6	b	4	W	
8807	CC 920	.....		11.4	-03	37	9.6	.770	dM0	-107.7	b	4	W	
8808	20478	135694		11.5	+72	02	8.9	.208	dG1	- 84.0	b	3	W	
8809	20479	135207		11.5	-14	01	7.0	.029	gM2	+ 6	c	4	W	
8810	20480	135153		11.6	-31	20	5.0	.006	cFO	- 22.8	a	4	L	
8811	AP Ser	.....		11.6	+10	10	11.0v	.....	.....	- 40	d	1	W	RR 0.25
8812	20481	135208		11.6	-18	15	6.7	.115	dF3	- 24.4	b	4	W	
8813	SS Boo	.....		11.6	+38	45	10.0v	.....	dG5	- 46	b	50	WMd	EA 7.60 *
8814	20483	135402		11.7	+38	27	6.4	*.049	gK2	- 62	c	3	W	
8815	20484	135230		11.7	-17	35	6.3	.031	B9	- 25.9	b	4	W	
8816	20489	135438		12.1	+31	58	6.2	.047	K5	+ 4	c	4	D	
8817	20494	135530		12.4	+42	21	6.4	.026	gM2	- 7.1	b	7	DW	*
8818	X Boo	135502		12.4	+29	21	5.3	.074	AOn	- 16.0	a	17	5	*
8819	20501	135482		12.7	+05	07	5.4	.021	gKO	- 34.3	a	8	LW	*
8820	20503	135345		12.8	-41	18	5.2	.013	F7	- 27.0	b	4	LC	*
8821	20506	135348		12.8	-43	18	6.3	.010	B6	- 20.7	b	3	L	
8822	6 Cir	135240		12.9	-60	46	5.2	.023	O8n	+ 88	d	3	L	
8823	14° 4160	135485		13.0	-14	30	8.3	.021	cB5	- 12	c	12	LW	IS-11.2 b *
8824	20509	135631		13.0	+38	29	7.1	.050	FOp	- 34.3	b	4	V	
8825	20514	135633		13.2	+22	44	8.1	.129	dGO	- 29	c	3	L	SB (22)
8826	20515	135559		13.3	+00	33	5.6	.111	Aln	- 8	c	8	VW	*
8827	NGC 5882	135456		13.4	-45	27	9.6	<... .	Pd	+ 7.7	b	4	L	Em PL neb.
8828	€ Cir	135291		13.4	-63	26	4.8	.003	K4	- 4.6	a	5	L	
8829	20522	135534		13.5	-22	13	5.7	.035	gK5	- 5.3	b	4	W	
8830	6 Boo	135722		13.5	+33	30	3.5	.148	gG4	- 12.2	a	15	4	*
8831	Z Ser	.....		13.5	+02	21	8.0v	.021	gM5	- 25	c	3	W	SR 87.6
8832	20525	135679		13.5	+25	50	6.7	.007	A0	- 4	c	5	S	
8833	j3 Cir	135379		13.6	-58	37	4.2	.176	A3	+ 9.0	b	4	L	
8834	20532	136064		14.1	+67	32	5.2	.450	dF9	- 46.8	a	13	3	*
8835	20536	135775		14.2	+09	54	6.6	.020	dF4	- 14	c	17	3	SB (54) *
8836	20537	135725		14.2	-08	06	8.0	.256	dG5	- 34.8	b	3	W	
8837	y TrA	135382		14.2	-68	30	3.1	.067	A0	0	c	5	L	
8838	0 Lib	135742		14.3	-09	12	2.7	.101	B8n	- 35.2	b	108	3	*
8839	20544	136174		14.5	+69	08	6.5	.026	AOn	- 11	d	4	V	
8840	20549	135591		14.8	-60	19	5.5	.026	09	- 6	c	10	L	
8841	20550	135758		14.8	-29	58	4.4	.019	gKO	- 3.6	a	8	LW	*
8842	fi Lup	135734		15.0	-47	42	4*4	.053	B8n	+ 14.8	b	3	L	
8843	XIU Boo	.....		15.2	+35	17	11.2v	.....	.....	+ 20	d	1	W	RR 0.46
8844	R TrA	135592		15.3	-66	19	6.7v	.027	cGOv	- 18.9	b	13	L	Cep 3.39 *
8845	20564	136136		15.6	+43	59	8.8	.041	dG6	- 17.8	b	4	W	
8840	20565	.....		15.6	+43	50	8.8	.010	dG8	- 45.6	b	3	W	
SS47	20566	135876		15.7	-40	36	5.8	.033	B7n	+ 16	c	8	L	
SS4S	TV Lib	.....		15.7	-08	17	10.8v	.....	.....	- 10	d	1	W	RR 0.27
8849	20570	136028		15.9	-00	17	6.0	.013	gK5	- 13.1	b	3	W	
8850	7 ^a 3099	136010		15.9	-08	13	7.6	.022	gK1	+ 1	c	2	L	

Cat. No.	Star	&D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'			km/sec					
8851	20572	136159	15	15.9	+31	01	6.9	0.088	K0	- 15.7	b	3	S	
8852	N 5904-42	.....		15.9	+02	14	11.2v	.....	F4-G3	+ 54	c	9	W	25.7
8853	N 5904-50	.....		16.0	+02	18	13.0v	.....	G4-M0	+ 50	c	4	W	106
8854	NGC 5904	136066		16.0	+02	16	7.0	.....	dF7	+ 45	c	8	LLw	*
8855	N 5904-84	.....		16.0	+02	15	11.5v	.....	F5-G5	+ 50	c	9	W	26.5
8856	U CrB	136175		16.1	+31	50	7.9v	.028	B5+B9	- 8.2	a	47	MdV	EA 3.45 *
8857	20575	136138		16.2	+20	45	5.7	.030	gG5	- 8.1	b	3	W	
8858	20576	136176		16.2	+27	01	6.6	.115	dF8	- 19.6	b	3	W	
8859	20579	136160		16.3	+10	37	6.7	.094	dF5	- 45.5	b	3	W	
8860	20588	136140		16.7	-08	58	7.5	.067	gM4	+ 10.2	b	3	W	
8861	20591	136202		16.8	+01	57	5.2	.638	dF6	+ 53.5	a	16	4	*
8862	20592	136274		16.9	+25	52	8.1	.586	dG4	- 29	c	8	DW	SB *
8863	CC 923	.....		16.9	-07	32	10.6	1.32	dM5	- 30.0	b	4	W	*
8864	20598	136726		17.1	+72	00	5.1	0.009	gK4	- 16.1	a	10	LW	*
8865	20602	136257		17.3	-08	29	7.9	.219	dF8	+ 28.6	b	3	W	
8866	20606	136403		17.5	+32	42	6.1	.020	A3	- 24.8	b	29	V	Orb. Christie
8867	20615	136562		17.9	+50	24	7.4	.012	A2	- 10	c	10	L	SB (42) *
8868	49° 2378	136595		18.0	+49	33	9.3	.....	A2	- 11	e	1	YW	
8869	20618	136366		18.1	-17	59	6.2	.069	gG8	+ 3.3	b	4	W	
8870	o CrB	136512		18.1	+29	48	5.6	.135	gG7	- 53.1	a	10	VW	*
8871	6 Lup	136298		18.1	-40	28	3.4	.032	B3n	+ 2	c	4	L	
8872	A 9592B	.....		18.2	+30	53	10.1	.10	dF4	- 43.4	b	3	W	
8873	20623	136406		18.2	-15	12	7.5	.027	gKO	- 20.3	b	4	W	
8874	A 9592A	136526		18.2	+30	53	9.9	.031	dF3	- 43.9	b	5	W	
8875	20626	136442		18.2	-02	14	6.5	.314	dKO	- 41	c	2	Md	
8876	20628	136407		18.2	-15	22	6.1	.029	gA8n	+ 5	c	5	W	
8877	20635	136352		18.4	-48	08	5.7	1.652	dG5	- 69.1	a	7	L	
8878	20636	136479		18.5	-05	39	5.6	0.058	gK1	- 33.0	b	7	W	
8879	20637	136514		18.5	+00	54	5.5	.121	gK4	+ 9.1	b	9	3	*
8880	20638	136480		18.5	-06	26	7.4	.016	K2	+ 20	e	1	V	
8881	S Lib	136458		18*5	-20	13	7.7v	.007	gM2e	+294	b	3	W	Em +284.6 b*
8882	20641	136729		18.6	+52	08	5.5	.011	A1n	+ 8.1	b	17	3	*
8883	C Lup	136422		18.6	-36	05	3.6	.134	K5	- 29.4	a	13	LC	*
8884	v Lup	136351		18.6	-47	45	5.1	.200	F5	- 11.2	a	5	L	
8885	20646	136654		18.8	+31	39	6.9	.230	F7	- 30	c	3	S	SB (20)
8886	20649	136643		19.0	+25	08	6.4	.043	K2	- 2.2	b	4	D	
8887	20651	136751		19.0	+44	37	5.9	.116	dF3	- 0.3	b	3	V	
8888	f Lup	136504		19.3	-44	31	3.7	.029	B3n	+ 4	c	10	L	SB 2-sp
8889	S Ser	136695		19.3	+14	30	7.6v	.006	gM5e	+ 12	c	2	W	Em -2 *
8890	S CrB	136753		19*4	+31	33	5.8v	.022	gM7e	- 1	b	4	Mi	Em -22 *
8891	y Cir	136415		19.4	-59	09	4.5	.049	B5	- 17.2	b	3	L	ED B5+F8
8892	20664	136754		19.4	+24	31	7.2	.030	A0	- 15.4	b	5	S	
8893	18° 3008	136711		19.5	+18	37	7.6	.038	gK3	- 76.4	b	3	L	
8894	20672	136849		19.8	+33	07	5.4	.056	AO _n	+ 22	d	9	YW	SB (135) *
S895	20676	136604		20.0	-36	41	4.7	.039	B3n	- 1.2	b	3	L	
8896	20681	136831		20.0	+12	45	6.2	.016	A0	+ 8	c	7	D	
8897	24° 2853	136864		20.1	+24	34	9.6	.034	A2	- 25	e	3	L	SB (100)
8898	RW Lib	136734		20.2	-23	54	8.6v	.....	Se	+140	c	3	W	Em +128 *
8899	20682	136834		20.2	+01	36	8.7	*.523	dK5	- 30.4	b	3	W	
8t§0	20083	13S801		20.2	-14	57	6.7	.009	gMO	+ 13.7	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
8901	26° 2685	136901	15	20.3	+25	48	7.4	0.037	K0	- 12	c	4	D	SB (21)
8902	20688	136923		20.5	+19	06	7.1	.231	K0	- 10.7	b	3	S	
8903	6° 3030	136927		20.7	+06	14	8.1	.071	sgF6	- 48.2	b	3	L	
8904	16° 4070	136866		20.7	-16	23	7.6	.039	gK4	+ 35	c	3	L	
8905	28° 2425	137003		20.7	+28	13	7.5	.012	K0	- 11.6	b	4	D	
8906	20690	137071		20.8	+39	46	5.8	.022	gK4	- 11.5	b	7	SW	*
8907	r UMi	137422		20.8	+72	01	3.1	.026	A2n	- 3.9	a	300	Y	Orb. Struve
8908	20695	136956		21.1	-12	12	5.8	.062	gG6	- 26.0	b	4	W	
8909	f. CrB	137107		21.1	+30	28	5.0	.236	dF9	- 6.8	a	66	5	*
8910	20697	137006		21.1	-00	51	6.0	.080	dA5n	- 2.2	b	4	W	
8911	RS laib	.....		21.4	-22	44	6.5v	.023	gM7e	- 5	e	2	W	Em -15 *
8912	V Lup	136933		21.5	-39	32	5.4	.065	A0	- 7.6	b	5	L	
8913	€ Lib	137052		21.5	-10	09	5.1	.175	dF3	- 9.7	a	54	L	Orb. Joaes
8914	20703	137389		21.7	+62	13	5.8	.040	B9	- 23.5	b	5	V	
8915	20706	137443		21.8	+63	31	5.8	.100	gK4	- 46.0	a	10	VW	*
8916	11° 2800	137182		21.8	+10	44	7.2	.004	A2	- 19.3	b	7	S	
8917	20714	137058		22.1	-38	33	4.7	.058	AOn	- 3.0	b	3	L	
8918	20720	137390		22.4	+45	27	6.2	.025	K2	- 10.1	b	4	D	
8919	f. Boo	137391		22.6	+37	33	4.5	.167	dA7n	- 9.5	b	15	4	A 9626A *
8920	A 9626B	137392		22.6	+37	31	6.7	.170	dGO	- 8.2	b	5	VW	*
8921	20740	137471		23.5	+15	36	5.5	.025	gM1	- 19.8	a	6	LW	*
8922	20741	137629		23.5	+47	14	6.9	.068	dF9	- 17	c	5	W	SB (24)
8923	20742	137826		23.6	+66	44	9.0	.280	dG4	- 34	c	4	W	
8924	20745	137510		23.6	+19	39	6.3	.060	GO	- 3.3	b	7	SV	*
8925	L Dra	137759		23.8	+59	08	3.5	.012	gK3	- 11.0	a	13	3	*
8926	20752	137557		23.9	+18	21	7.8	.034	dF4	- 6.3	b	4	W	
8927	15° 2862	137569		24.0	+14	52	7.9	.015	B5	- 48	c	8	L	
8928	20756	137432		24.1	-36	36	5.5	.042	B5	+ 7	c	5	L	
8929	20757	137570		24.1	+10	13	7.1	.033	gM2	- 53.0	b	3	W	
8930	20760	137719		24.3	+44	29	7.4	.009	gK5	- 14	c	2	L	
8931	20761	137704		24.3	+34	31	5.9	.118	gK5	- 47.8	b	9	VW	*
8932	24° 12084	137613		24.8	-25	00	7.4	.030	R0	+ 55	c	3	W	
8933	Lee 114	.....		25.1	+00	52	11.4	.....	R4	- 23	d	2	W	
8934	20775	137928		25.2	+54	12	6.2	.0*54	A2	- 4.9	b	3	W	
8935	20782	137744		25.4	-16	33	5.9	.040	gK5	- 21.4	b	4	W	
8936	20783	137763		25.5	-09	10	6.8	.366	dK1	+ 2	c	8	W	
8937	20785	137778		25.5	-09	11	7.8	.380	dK5	+ 7.3	b	7	W	
8938	20786	137853		25.5	+25	16	6.3	.029	gM1	- 6.8	b	3	W	
8939	WX Ser	.....		25.5	+19	44	12 v	.....	gM8e	- 7	d	1	W	Em -21 *
8940	3 CrB	137909		25.8	+29	17	3.7	.198	gA8	- 18.7	a	504	5	*
8941	20799	137709		25.9	-46	34	5.0	.020	M0	- 18.1	a	6	L	
8942	20801	137387		26.0	-73	13	5.8	.040	B5ne	+ 96	d	4	L	Em dbl
8943	22° 2840	137945		26.1	+22	38	8.3	.037	dF5	- 48	c	2	L	
3944	20805	137898		26.1	+02	01	5.1	.099	A5n	- 10.2	b	26	4	*
8945	20814	137949		26.7	-17	16	7.2	.072	gPlp	- 31.1	b	5	W	
8946	20817	138245		26.8	+62	27	6.4	.044	AOn	- 4.8	b	6	V	
8947	20819	138265		26.9	+60	51	6.1	.020	gK5	- 47	c	8	DW	SB *
8948	20825	138213		27.1	+47	22	6.0	.020	A3	- 16.0	a	41	V	Orb. Christie
8949	20833	138338		27.7	+55	22	6.3	.027	A2	- 6.9	b	3	V	
8950	20835	138367		27.7	+57	37	0.9	.306	dF5	- 31.5	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
8951	20836	138406	15	27.7	+61	54	6.8	0.024	A2	- 1	c	6	D	SB (27)
8952	20842	138137		27.8	-16	26	5.9	.018	gG6	- 1.7	b	3	W	
8953	20° 3115	138247		28.0	+19	51	9.0	.015	K2	- 45	c	2	L	
8954	20843	139213		28.0	+82	04	8.4	.204	dG2	- 6	c	5	W	SB (36)
8955	20848	138341		28.4	+31	27	6.4	.034	A2	- 4.0	b	3	V	
8956	20849	138524		28.5	+62	16	6.5	.025	K4	- 40.4	b	4	D	
8957	VY Ser	.....		28.5	+01	51	10.1v	.....	A7	- 5	d	1	W	RR 0.42
8958	20850	138290		28.5	+08	45	6.5	*.039	F2	- 1	c	4	V	
8959	20851	138383		28.6	+36	58	6.5	.063	K0	+ 1.8	b	4	D	
8960	ST Boo	.....		28.8	+35	57	10.1v	.....	.....	+ 10	d	1	W	RR 0.62
8961	A 9681B	.....		28.8	-20	00	8.7	.085	dF5	- 31	d	4	W	SB (85)
8962	A 9681A	138268		28.8	-20	00	6.1	.083	dA5n	- 40	c	4	W	SB (41) 2-sp
8963	20866	138481		29.1	+41	00	5.2	.018	gK5	- 9.3	b	6	LW	*
8964	20871	138525		29.5	+36	47	6.3	.039	F5	- 50	c	2	V	
8965	20878	138413		29.7	-19	30	5.5	.051	A2	- 33.2	b	9	LY	*
8966	20880	138527		29.9	+16	13	6.1	.001	B9n	- 8	c	4	W	
8967	v Boo	138629		30.0	+41	04	5.0	.026	A2n	- 16	c	22	3	*
8968	20887	138485		30.1	-16	41	5.6	.025	B5n	+ 11	d	6	YW	SB *
8969	20894	138852		30.2	+64	23	5.9	.136	gG5	+ 10.1	b	3	W	
8970	20895	138573		30.3	+11	08	7.2	.138	GO	- 33	c	3	S	
8971	20896	138562		30.4	-01	01	5.8	.044	gG9	- 16.1	b	3	W	
8972	RU Lib	138547		30.5	-15	10	7.2v	... > .	gM5e	- 47	c	2	W	Em -60 *
8973	6 CrB	138749		30.9	+31	32	4.2	.034	B5ne	- 25	c	16	3	*
8974	AR Ser	.....		31.0	+02	56	10.5v	.....	.....	+100	d	1	W	RR 0.33
8975	20912	138648		31.1	-16	50	8.3	.358	dG9	+ 50	c	4	W	SB (26)
8976	S UMi	139492		31.4	+78	48	7.5v	.....	gM7e	- 40	b	3	W	Em -52.7 *
8977	20914	138716		31.4	-09	54	4.8	*.387	sgK1	+ 47.7	a	12	3	*
8978	20915	137333		31.4	-84	18	5.7	.173	A2	- 11	e	1	L	
8979	20918	138688		31.6	-27	53	5.2	.043	gK4	+ 12.3	b	10	3	SB *
8980	20919	138803		31.6	+17	18	6.4	.066	FOn	- 20.7	b	4	D	
8981	20923	138764		31.7	-09	01	5.2	.037	B7p	- 4.5	b	17	4	*
8982	y Lup	138600		31.8	-41	00	3.0	.037	B3n	+ 6	c	5	L	
8983	A 9696A	139777		32.0	+80	37	6.5	.253	dG3	- 13.6	b	4	W	
8984	€ TrA	138538		32.1	-66	09	4.1	.080	K0	- 15.5	b	10	LC	*
8985	A 9696B	139813		32.2	+80	37	7.6	.230	dKO	- 29	c	7	W	SB (27)
8986	A 9701B	138917		32.4	+10	42	5.2	.078	dA9n	- 37.9	b	12	3	*
8987	S Ser	138918		32.4	+10	42	4.2	.077	dA7n	- 41.5	b	59	5	*
8088	20943	138769		32.4	-44	48	4.8	.046	B3	+ 7.9	b	7	L	
8989	20946	138036		32.5	+01	50	6.6	.088	A0	- 19.6	b	8	DS	*
8990	a CrB	139006		32.6	+26	53	2.3	.154	AIn	+ 1.7	a	239	AO	Orbits *
8991	25* 2932	130007		32.6	+25	10	8.5	.147	G5	- 24	c	4	D	
8992	y Lib	138905		32.7	-14	37	4.0	.064	gG6	- 27.5	a	10	LC	*
8993	20950	138816		32.8	-44	14	5.5	.079	M0	- 19.4	b	3	L	
8994	d UMi	139669		32.9	+77	31	5.3	.048	gK4	- 25.0	a	15	3	*
8995	TW Dra	130310		33.1	+64	04	7.7v	.025	ACH-K2	+ 2.7	a	88	?Md	EA 2.81 *
8996	20962	180074		33.3	+17	49	6.1	.083	gG8	- 22.3	b	10	W	
8097	X Lib	.....		33.3	-20	59	8.4v	.....	gM3e	- 31	c	2	W	Em -39 *
893e	A CrB	139153		33.4	+39	10	5.4	".026	gM2	- 19.1	a	8	LW	*
8099	RU CrB	.....		33.5	+25	55	10.6v	.058	eM5	- 27	c	3	W	SB 436
9000	20968	1390871		33.5	+11	26	0.1	.047	gKO	- 26	c	9	SW	*

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	o	'	rr		km/sec					
9001	20972	139307	15	33.7	+49	52	7.5	0.014	gK5	- 10.7	b	3	W	
9002	2447	139224		33.9	+28	34	8.3	.018	dF1	- 3.5	b	4	W	
9003	20977	139357		33.9	+54	05	6.0	.017	gK4	- 9.9	b	3	V	
9004	20978	139284		34.0	+38	32	6.5	.030	K2	+ 2.7	b	4	D	
9005	v Lib	139063		34.0	-27	58	3.8	.010	gK5	- 24.9	a	12	LC	*
9006	20980	139137		34.0	-00	24	6.5	.040	dF5	- 23	c	5	W	SB (37)
9007	20981	139195		34.1	+10	11	5.4	.142	sgG7	+ 7.8	a	7	L	
9008	20983	139216		34.2	+15	16	6.8	.009	gM6	- 26	c	5	W	
9009	A 9716C	139323		34.2	+40	00	7.9	.455	dK5	- 71.5	b	3	W	
9010	20985	139225		34.2	+16	17	5.9	.075	dA6n	- 2	c	8	SW	*
9011	20989	139586		34.2	+67	58	6.9	.151	dG5	- 34.4	b	3	W	
9012	A 9716AB	139341		34.3	+39	58	6.8	.449	dK4	- 70.3	b	4	W	
9013	20992	139268		34.4	+15	05	6.9	.064	A0	- 8	d	5	S	SB (75)
9014	20999	139493		34.7	+54	48	5.7	.041	AOn	- 19.3	b	5	D	
9015	21000	139478		34.7	+52	14	6.5	.078	dA8	- 15.9	b	3	V	
9016	0) Lup	139127		34.7	-42	24	4.3	.156	M0	- 7.0	b	13	CL	SB *
9017	21003	138800		34.8	-73	17	5.8	.035	B8	- 19.0	b	4	L	
9018	21004	139389		34.8	+30	09	6.5	.107	F5	- 13	c	4	S	
9019	21005	139254		34.9	-22	59	5.8	.091	gKO	+ 7.1	b	3	W	
9020	-0° 2990	139308		34.9	-00	43	8.1	.020	gK1	- 24.7	b	4	W	
9021	21007	139129		35.1	-52	13	5.5	.057	A0	- 11.9	b	6	L	
9022	21018	140084		35*6	+76	37	7.5	.018	A2	+ 21	c	4	D	
9023	r Lib	139365		35.6	-29	37	3.8	.042	B3n	+ 1	c	10	LY	*
9024	21020	139457		35.6	+10	24	7.0	.398	dF7	+ 38.2	b	6	WS	*
9025	A 9727A	139569		35.9	+30	16	8.8	.022	dF6	- 23.9	b	3	W	
9026	A 9727B	.....		35.9	+30	16	9.0	.....	dG1	- 27	c	3	W	
9027	A 9728B	139460		36.0	-08	38	6.6	*.028	dF6	+ 3.5	b	4	W	
9028	A 9728A	139461		36.0	-08	38	6.5	.035	dF6	0	c	6	W	SB (40)
9029	21031	139446		36.0	-19	08	5.5	.119	sgG2	+ 47.1	b	3	W	
9030	£ Boo	139641		36.0	+40	31	5.4	.079	gG5	- 9.7	a	13	3	*
9031	21033	139608		36.1	+24	41	7.1	.032	gM5	- 23.8	b	8	DW	*
9032	21036	139778		36.2	+54	40	6.0	.045	gK1	- 22.8	b	3	W	
9033	21037	139691		36.3	+36	25	7.0	.072	F3	- 22	c	3	S	
9034	12° 2870	139609		36.4	+12	25	7.1	.025	B9	+ 6	d	5	S	
9035	C 2039	139590		36.5	-00	09	7.6	.198	dF9	- 27.5	b	3	W	
9036	21042	139521		36.6	-34	15	4.6	.014	G5	- 23.1	a	7	LC	*
9037	21044	139798		36.7	+46	58	5.8	.158	dF1n	- 1.8	b	5	W	
9038	21046	139780		36.7	+43	46	6.8	.013	A1n	- 4	d	11	VW	SB *
9039	21048	139761		36.9	+34	50	6.2	.024	K0	+ 4.3	b	4	S	
9040	21054	139906		37.1	+50	35	5.9	.045	G5	- 14.0	b	4	V	
9041	RW CrB	139815		37.2	+20	47	10.1v	.016	dFO	- 11	b	18	W	Orb. Sanford
0042	21057	139663		37.3	-23	39	5.1	.032	sgK4	- 21.8	b	11	3	*
9043	A 9737B	139891		37.5	+36	48	6.0	.027	B5	- 19.4	b	12	VW	*
0044	f CrB	139802		37.5	+36	48	5.1	.021	B8n	- 24.3	b	51	4	A 97S7A *
0045	21065	140227		37.5	+69	27	5.9	.069	gMO	- 29	c	8	DW	SB *
0046	21070	139664		37.7	-44	30	4.7	.323	F5n	- 6.7	b	3	L	
9Q47	21071	140064		37.8	+57	37	7.6	.032	gM3	+ 1.1	b	3	W	
9048	21073	130862		37.8	+12	13	6.3	.018	gG5	- 21.0	b	7	DW	*
9040	-0° 2907	139S40		37.8	-00	45	8.3	.072	gKO	- 4.9	b	3	W	
9050	16* 4135	139784		37.8	-16	36	8*3	.086	sgF1	• 22	c	3	L	

Cat. No.	Star	ED: No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
9051	21076	140117	h 15	m 38.1	+58 05	6.5	0.008	K2	- 7.7	b	5	D	
9052	21087	140101		38.6	+37 11	7.0	.023	A0	- 13	c	5	S	
9053	21088	140139		38.7	+44 00	7.1	.051	F2	- 23	c	8	D	
9054	21089	140027		38.7	+16 11	6.0	.034	gG6	+ 3.4	a	10	VW	*
9055	K Lib	139997		39.1	-19 31	5.0	.120	gMO	- 3.8	b	12	3	SB *
9056	21095	140029		39.1	-06 17	7.4	.015	G5	- 4	d	1	V	
9057	RX Lib	.....		39.1	-20 37	<u>11.6v</u>	.....	.....	- 58.0	b	6	W	Cep 25.0
9058	U Lib	.....		39.1	-21 01	8.9v	.056	gM3e	+ 95	c	2	W	Em +85 *
9059	i Ser	140159		39.3	+19 50	4.5	.082	A2	- 17.2	a	61	3	*
9000	21103	139980		39.4	-37 16	5.3	.056	G7	- 16.3	a	6	LC	*
9061	X Ser	140160		39.4	+13 00	5.3	.043	AOp	+ 1.9	b	36	4	*
9062	+0° 3389	140122		39.5	+00 37	7.4	.035	dA7	+ 3	c	5	W	SB (31)
9063	21106	140008		39.5	-34 33	4.8	.043	B6	+ 8	c	6	L	SB 2-sp
9064	RR CrB	140297		39.6	+38 43	7.1v	.043	gM5	- 50	c	3	W	SR 60
9065	21111	140232		39.7	+18 37	5.8	.087	A0	- 29.5	b	4	D	
9066	C 2105	140611		40.1	+66 00	9.2	.273	dG3	- 20.4	b	4	W	
9067	T Nor	140041		40.2	-54 50	7.0v	.031	gM4e	- 31	c	6	L	Em -35 *
9068	21119	140590		40.3	+60 09	8.4	.276	dG6	+ 33.2	b	4	W	
9069	21124	140283		40.4	-10 46	7.3	1.187	sdA5p	-171.1	b	12	WV	*
9070	21129	140301		40.6	-14 53	6.4	0.103	sgKO	+ 20.5	b	3	W	
9071	y CrB	140436		40.6	+26 27	3.9	.111	AOn	- 10.5	b	25	4	SB 2-sp
9072	21131	140472		40.7	+31 52	7.0	.009	K2	- 38	c	3	S	
9073	21132	140438		40.8	+13 50	6.4	.042	G3	- 9.9	b	4	D	
9074	21141	140612		41.0	+45 55	6.9	.048	F4	- 26.6	b	7	D	
9075	22° 2877	140514		41.2	+21 51	7.9	.033	sgG2	+ 14	c	2	L	
9076	21145	140489		41.3	+02 36	7.6	.017	gG8	- 12	c	2	L	
9077	21154	140728		41.5	+52 31	5.5	.069	AOp	- 16.1	b	25	3	*
9078	f Ser	140538		41.5	+02 40	5.8	.178	dG5	+ 14	c	8	SW	SB *
9079	a Ser	140573		41.8	+06 35	2.8	.139	gK2	+ 2.9	a	68	8	*
9080	T CrB	140716		42.0	+32 40	5.6	.040	gG9	- 3.8	b	9	VW	*
9081	21° 4180	140543		42.0	-21 40	8.5	.016	Bin	- 6	c	6	L	IS -9 c 4
9082	16° 2822	140700		42.2	+16 40	7.4	.013	gK5	- 26	c	2	L	
9083	21163	141652		42.3	+80 08	6.9	.051	dF3n	- 32.1	b	4	W	
9084	21164	140729		42.4	+17 25	5.9	.030	AO	- 6	c	7	V	SB (55)
9085	5° 4158	140732		42.8	-05 59	7.4	.034	G8	- 35	d	1	V	
9086	NGC 5986	140616		42.8	-37 37	8.7	.....	GO	+ 2	c	4	L	Glob. cl.
9087	21176	140687		42.8	-24 34	7.5	.110	sgKO	+ 1.7	b	3	W	
9088	21177	140775		42.9	+05 36	5.6	.032	A2	- 9.8	b	7	VW	*
9089	21179	141039		43.0	+53 08	7.3	.249	dG2	- 33.7	b	3	W	
9090	21181	140815		43.1	+01 03	6.5	.039	KO	+ 13.8	b	5	V	
9091	21187	140873		43.5	-01 39	5.4	.052	B5n	- 12.1	a	180	3	Orbits *
9092	.....	140586i		43.5	-61 03	.....	.....	Pe	+ 23	c	3	L	Em PL neb.
9093	21188	140784		43.5	-34 32	5.6	.042	B9n	- 5	c	3	L	
9094	0 Ser	141003		43.9	+15 35	3.7	.086	A2n	- 0.8	b	23	4	A 9778A *
9095	A 9778B	.....		43.1	+15 35	9.2	.....	dK3	+ 2	c	4	W	
9096	A Ser	141004		44.0	+07 31	4.4	<237	dGO	- 66.4	a	15	4	*
9097	21205	140901		44.2	-37 46	6.1	.486	dG6	- 4.0	b	3	W	
0098	21206	141070		44.3	+09 56	7.0	.024	A2	- 28.0	b	5	S	
9099	Y CrB	141265		44.9	+38 29	9.8v	*»»«	gM8	- 20	c	2	W	SR 300
9100	v Ser	141187		45.0	+14 16	5.7	.069	AO	- 34.2	b	6	V	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
9101	35° 2726	141267	15	45.0	+34	46	9.0	0.028	G5	+ 2	d	1	L	
9102	21231	141207		45.3	+04	27	7.2	.033	G9	+ 2	d	1	V	
9103	21233	141472		45.4	+55	38	5.9	.142	gK3	- 4.0	b	8	DW	*
9104	21238	141247		45.6	-04	38	7.9	.107	dF9	- 7	c	3	L	
9105	21239	141272		45.6	+01	44	7.9	.234	dG7	- 28.4	b	3	W	
9106	<i>t</i> UMi	142105		45.8	+77	57	4.3	.019	A2n	- 16	c	9	4	*
9107	21245	141353		45.9	+13	57	6.1	.124	gK2	- 53.7	b	7	SW	*
9108	21246	141653		45.9	+62	45	5.1	.071	A2n	- 6.3	b	33	5	*
9109	21247	141456		46.0	+31	53	6.6	.057	K5	- 19.5	b	4	D	
9110	SS Lib	141324		46.2	-15	23	10.4v	....	A5	- 45	b	23	Md	EA 1.44 *
9111	21250	141168		46.3	-53	03	6.0	.062	AOn	+ 20.7	b	3	L	
9112	21251	141378		46.3	-03	40	5.6	.036	A3	- 16.4	b	6	SV	*
9113	21253	141675		46.4	+55	32	5.8	.010	A6	- 2.4	b	10	3	*
9114	<i>k</i> Ser	141477		46.5	+18	18	4.3	.106	gM1	- 38.7	a	14	4	*
9115	21256	141458		46.5	+12	53	6.8	.008	A0	- 5	c	5	S	SB (54)
9116	<i>R</i> CrB	141527		46.5	+28	19	5.8v	.022	cGOep	+ 24.8	a	33	3	Em +15 c *
9117	81° 530	142653		47.0	+81	28	8.7	....	dF6	- 29	d	4	W	SB (60)
9118	<i>M</i> Ser	141513		47.0	-03	17	3.6	.093	A0	- 9.4	b	32	4	*
9119	<i>X</i> CrB	141678		47.0	+36	24	9.0v	*. . . »	gM6e	-104	b	3	W	Em -113.0 *
9120	21272	141589		47.2	+12	43	6.8	.014	K0	- 5.9	b	4	S	
9121	21273	141318		47.2	-54	54	5.8	.020	B3	- 3	c	5	L	
9122	<i>A</i> 9799A	141690		47.4	+25	37	8.2	.043	dG4	- 37	d	4	W	SB (56)
9123	<i>A</i> 9799B	.....		47.4	+25	37	10.1	....	dG8	- 33.1	b	4	W	*
9124	<i>6</i> CrB	141714		47.5	+26	13	4.7	.109	gG4	- 19.1	a	12	3	*
9125	<i>V</i> CrB	141826		47.7	+39	43	6.8v	.032	N2e	-115.0	a	13	We	Em -135.0 *
9126	<i>a></i> Ser	141680		47.8	+02	21	5.3	.062	gG6	- 3.5	a	11	LW	*
9127	<i>X</i> Lup	141556		47.8	-33	29	4.1	.039	B9	- 18	c	6	L	SB 2-sp
9128	21282	143802		47.8	+85	27	7.0	.079	A5	- 10	c	3	D	
9129	21285	141637		48.0	-25	36	4.8	.037	B4n	- 10	c	6	L	IS -11 We *
9130	44° 2511	141930		48.3	+44	40	7.6	.027	A2n	- 16	c	12	DW	*
9131	€ Ser	141795		48.3	+04	38	3.8	.137	dA6	- 9.4	a	40	5	*
9132	<i>R</i> Ser	141850		48.4	+15	17	6.9v	.044	gM7e	+ 23.7	b	9	3	Em +8.3 *
9133	21295	143173		48.5	+83	06	7.3	.007	dA6n	- 8.0	b	3	W	
9134	21301	141851		48.7	-02	56	5.2	.096	AOn	- 8	c	13	4	*
9135	21305	141853		48.8	-13	59	6.2	.031	gG5	- 22	c	4	W	
9136	21307	142474		49.0	+74	34	9.3	.332	dK6	- 27	c	4	W	SB (34)
9137	<i>p</i> Ser	141992		49.1	+21	08	4.9	.055	gK5	- 61.7	a	9	3	*
9138	ST Her	142143		49.3	+48	38	7.0v	.009	gM7	- 29	c	2	W	SR 167
9139	<i>k</i> CrB	142091		49.3	+35	49	4.8	.356	sgK1	- 24.0	a	10	3	*
9140	<i>A</i> 9816A	142282		49.9	+53	03	6.5	.019	A2	- 9.4	b	4	WV	*
9141	<i>A</i> 9816B	.....		49.9	+53	03	8.8	....	dF5	- 16	c	3	W	
9142	30° 2718	142176		50.0	+30	02	7.4	.022	gK5	- 53	c	2	L	
9143	28° 2484	142178		50.1	+27	45	9.2	.180	K0	- 13	d	1	L	
9144	<i>A</i> Lib	142096		50.4	-20	01	5.1	.034	B3n	- 4	c	14	3	IS -12 We *
9145	<i>K</i> TrA	141767		50.5	-68	27	5.2	.019	cG6	+ 4.8	b	3	L	
9146	21329	142114		50.6	-25	11	4.7	.037	B3n	- 12.2	b	6	L	
9147	21330	141913		50.6	-60	36	6.3	.008	B8	- 5	c	3	L	
9148	21331	142244I		50.7	+17	33	6.4	.043	K0	- 11.7	b	4	D	
9149	<i>0</i> TrA	141891		50.7	-63	17	3.0	.448	FO	- 0.3	a	15	L	
9150	<i>R</i> Lib	.....		50.8	-16	05	9.5v	.032	gM5e	+ 14	c	2	W	Em +5 *

Cat. No.	Star	ED. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	DecL										
			h	m	°	'		km/sec						
9151	21337	142267	15	50.9	+13	21	6.2	0.584	dGO	+ 36	c	6	VW	SB *
9152	21339	142165		50.9	-24	23	5.4	.041	B6n	+ 13	d	4	L	IS -10.8 b We
9153	X Her	142373		50.9	+42	35	4.6	.766	dF7	- 55.2	a	11	3	*
9154	21341	142184		50.9	-23	50	5.4	.038	B4n	- 27	e	1	L	IS -13.3 b We
9155	6 Lib	142198		51.0	-16	35	4.3	.159	gG8	+ 3.4	a	4	L	
9156	21345	142531		51.1	+55	58	5.9	.055	gG8	- 29.7	b	9	DW	*
9157	AN Ser	.....		51.2	+13	07	10.4v	.....	.....	- 60	d	1	W	RR 0.52
9158	21348	142357		51.3	+16	13	6.1	.037	dF2	+ 2	c	11	3	SB *
9159	21364	142378		52.1	-19	14	5.9	.033	B5n	- 6	c	4	W	*
9160	21367	142500		52.3	+08	44	6.2	.007	A2n	- 24	c	9	VS	*
9161	21368	142574		52.4	+20	27	5.8	.091	sgMO	- 60.9	b	9	VW	*
9162	21381	142639		53.0	+09	22	7.0	.020	K0	+ 8	c	3	S	
9163	21382	142780		53.0	+43	17	5.5	.067	sgM3	- 10.3	b	3	W	
9164	10° 2924	142638		53.0	+09	46	9.1	.043	GO	- 45	e	1	L	
9165	21385	142742		53.0	+34	30	7.0	.015	A3	- 10.8	b	10	S	
9166	AT Ser	.....		53.3	+08	08	11.2v	.....	.....	- 70	d	1	W	RR 0.43
9167	A 9842A	142661		53.3	-02	01	7.0	.114	dF7	- 38.0	b	8	W	
9168	A 9842B	.....		53.3	-02	01	8.1	.....	dG8	- 41.1	b	4	W	
9169	RU Lup	142560		53.4	-37	41	9.3v	.....	G5e	- 6.4	b	10	W	Em RW
9170	21391	142640		53.4	-14	15	6.4	.086	dF5	- 6	c	4	W	
9171	29° 2739	142796		53.4	+29	41	7.7	.021	A1	- 14.4	b	4	W	
9172	RR Lib	142641		53.5	-18	10	8.0v	.012	gM4e	- 33	c	2	W	Em -41 *
9173	21395	142629		53.7	-33	49	5.4	.051	AO	- 10	c	5	L	
9174	21396	142630		53.7	-33	49	5.7	.049	AO	- 12.2	b	3	L	
9175	p Sco	142669		53.8	-29	04	4.0	.028	B4	+ 2.8	b	7	L	
9176	21400	142926		53.8	+42	43	5.6	.030	B9e	- 17.1	b	48	DV	*
9177	X CrB	142908		54.0	+38	05	5.5	.082	dFOn	- 11.6	a	19	5	*
9178	Z CrB	142927		54.1	+29	23	8.9v	.....	gM4e	- 81	b	4	W	Em -89.4 *
9179	y Ser	142860		54.1	+15	49	3.9	1.328	dF5	+ 6.7	a	35	5	*
9180	21411	142804		54.3	-15	53	6.8	0.039	gM1	- 10.5	b	4	W	
9181	21416	142864		54.5	-06	09	7.0	.031	A3n	- 24.8	b	6	S	
9182	21419	142930		54.7	+03	33	7.0	.024	A2	- 14	c	8	S	
9183	21424	143187		54.9	+59	03	6.2	.030	B9n	- 6	e	1	V	
9184	21428	142980		54.9	+14	33	5.7	.147	gK4	- 68.3	b	9	VW	*
9185	21439	142983		55.4	-14	08	4.7	.030	Aep	- 5.6	b	113	5	IS -14.8 b •
9186	€ CrB	143107		55.5	+27	01	4.2	.106	gK2	- 30.5	a	11	3	*
9187	17° 4661	143016		55.6	-17	36	8.7	.317	dG1	+ 16	c	4	W	
9188	21442	142990		55.6	-24	41	5.4	.031	B6n	- 11.2	b	4	L	
9189	21445	143209		55.7	+39	50	6.4	.084	K2	- 14.1	b	4	D	
9190	T SCO	143018		55.8	-25	58	3.0	.034	B3	- 3	c	48	Md	IS-16.4 b *
9191	21450	142919		56.0	-53	53	6.4	.034	B9n	- 38.0	b	3	L	
9192	21451	143009		56.1	-41	36	5.1	.045	G8	- 27.0	b	4	L	
9193	21454	143803		56.2	+75	43	6.9	.021	gG5	- 18.9	b	3	W	
9194	21461	143291		56.5	+27	53	8.1	.822	dG7	- 69.8	b	7	DW	*
9195	21467	143466		56.6	+54	53	5.0	.187	A5n	- 7.7	b	15	3	*
9190	S TrA	142941		56.7	-63	38	6.4v	.012	CG2Y	+ 2.0	b	9	L	Cep 6.32 *
9197	7) Lap	143118		56.8	-38	15	3.6	.042	B3n	+ 7	c	3	L	
9198	21484	143393		57.1	+29	34	7.2	.055	gK3	+ 17.8	b	4	W	
9199	21486	143435		57.1	+56	47	5.7	.028	gK5	+ 10.8	b	4	W	
920D	21487	143296		57.1	-05	59	7.4	.021	KO	- 6	d	1	V	

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
9201	C 2141	143665	15	57.2	+65	32	9.1	0.25	dG8	- 8	c	4	W	SB (29)
9202	6 Sco	143275		57.4	-22	29	2.5	.032	Bin	- 14	c	14	3	IS -13.2 b *
9203	T CrB	143454		57.4	+26	04	2.0v	.010	Q+qM3	- 29	c	20	W	IS -23.9 a *
9204	21495	143333		57.5	-16	23	5.5	.746	dF7	- 25	c	11	W	SB (25)
9205	U Lup	.....		57.6	-29	47	10.8v	.....	cK2ev	-130	c	6	W	SR 87 *
9206	21499	143584		57.7	+50	01	5.9	.061	dA8	+ 4.0	b	7	WV	*
9207	21502	143459		58.1	-08	16	5.6	.028	A1	- 19.4	b	4	W	
9208	30° 2735	143586		58.2	+29	47	8.6	.017	sgG9	- 21.2	b	4	W	
9209	30° 2736	143585		58.2	+30	15	8.7	.020	gG5	+ 2.8	b	5	W	
9210	21508	143553		58.4	+04	34	5.9	.084	gKO	- 4.1	b	3	W	
9211	21515	144061		58.6	+71	02	7.4	.261	dG2	- 9.2	b	3	W	
9212	21525	143666		59.0	+17	57	5.3	.154	gG6	- 18.6	b	14	3	*
9213	AR Her	.....		59.0	+47	04	10.3v	.....	.....	-335	c	2	W	RR 0.47
9214	p CrB	143761		59.1	+33	27	5.4	.799	dGO	+ 18.4	a	12	3	*
9215	L CrB	143807		59.4	+29	59	4.9	.034	A0	- 19.3	a	26	3	*
9216	21535	143474		59.5	-57	38	4.9	.153	A2n	- 18	c	7	L	
9217	7j Nor	143546		59.5	-49	06	4.7	.026	G4	- 0.3	b	4	L	
9218	21548	143699	16	00.1	-38	28	5.0	.047	B5n	0	c	8	L	
9219	π Ser	143894		00.1	+22	57	4.8	.018	A2n	- 26	c	11	3	*
9220	4° 4026	143840		00.2	-04	41	8.2	.058	dF1	- 29.2	b	3	L	
9221	21556	143787		00.3	-25	44	5.1	.085	gK5	- 39.0	a	9	3	*
9222	21558	143857		00.4	-05	42	7.0	.032	K2	- 38	d	1	V	
9223	21564	143992		00.6	+22	23	6.9	.016	A3	- 35.0	b	7	S	
9224	30° 2742	144044		00.8	+30	19	8.7	.022	gK1	+ 2.6	b	5	W	
9225	21569	144204		00.8	+53	03	6.2	.041	gK5	- 6.8	b	6	W	
9226	29° 2758	144063		00.9	+29	06	8.7	.024	gG4	- 6	c	4	W	
9227	6 Dra	144284		00.9	+58	42	4.1	.461	dF7	- 8.5	a	32	L	Orb. Curtis
9228	X Her	144205		01.1	+47	23	6.3v	.084	gM6	- 91.7	b	4	W	SR 100
9229	v Her	144206		01.2	+46	10	4.6	.086	B9	+ 2.7	b	9	YL	*
9230	21582	144046		01.3	+05	07	6.2	.045	G8	- 43.7	b	4	D	
9231	67° 922	.....		01.3	+66	56	10.3	.....	dG7e	-137.6	b	6	W	Em -144.5 7
9232	AV Ser	.....		01.3	+00	44	10.5v	.....	.....	- 55	d	1	W	RR 0.33
9233	21589	144047		01.4	-09	47	7.4	.006	KG	- 40	e	1	V	
9234	21590	144208		01.5	+36	46	5.8	.026	dF9+A0	- 0.9	a	61	V	Orb. Petrie
9235	21591	144149		01.6	+17	56	6.9	.029	K0	- 45	c	3	S	
9236	42° 2667	.....		01.6	+42	24	10.0	.51	sdF5	-157	c	2	Md	
9237	RZ Sco	144018		01.6	-23	58	8.0v	.12	gM4e	-174	c	3	W	Em -182 *
9238	f Sco	144069		01.6	-11	14	4.2	.074	dF4	- 29.4	a	25	YL	A 9909A *
9239	A 9909C	.....		01.6	-11	14	7.2	.074	dG7	- 34	c	4	W	
9240	21595	144087		01.7	-11	19	7.4	.078	dG6	- 33.8	b	3	W	
9241	21599	144287		02.0	+25	23	7.1	.851	dG8	- 41	c	7	DW	SB *
&242	21604	144542		02.2	+59	33	6.2	.036	Ma	- 4.6	b	3	V	
9243	21605	144359		02.3	+34	19	7.0	.029	A0	- 8	c	8	S	SB (144)
9244	21608	144271		02.5	-03	24	6.9	.022	A2	- 29	c	7	S	
9245	β Sco	144217		02.5	-19	40	2.9	.027	B2	- 6.6	b	257	3	IS -12.1 a *
9246	A 9913C	144218		02.5	-10	40	5.1	.034	B3	- 4.7	b	13	WL	IS -10.4 h *
9247	NGC 6058	.....		02.7	+40	40	.....	.....	.....	+ 1	c	3	L	Em Pi. neb.
§248	20° 4399	144253		02.7	-20	10	7.3	.467	dK12	+ 34	c	2	Md	
9249	RR Her	144578		02.8	+5D	38	7*8v	.017	Nep	- 37.2	a	8	We	Em -55 c *
nm	S Nor	144197		02.9	-45	02	4.8	.022	A3p	- 15.5	b	5	L	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			H.A.		Decl.									
			<i>h</i>	<i>m</i>	<i>°</i>	<i>'</i>			km/sec					
9251	Z Sco	J.44311	16	03.0	-21	36	8.9v	••••	gM6e	- 52	c	3	W	Em -66 *
9252	21616	144362		03.1	-06	09	0.4	0.036	F5	- 10.6	b	6	S	
9253	21618	•••••		03.1	+68	40	9.6	.287	dG8	+ 27.2	b	3	W	
9254	70° 861	•••••		03.1	+70	15	8.2	.020	gM3	- 17	c	4	W	
9255	21622	144426		03.2	+08	14	6.1	.004	A2	- 20.5	a	20	V	Orb. Campbell
9256	21623	144579		03.2	+39	17	6.8	.573	dG8	- 59.8	a	13	WV	*
9257	e Lup	144294		03.3	-36	40	4.3	.042	B3n	+ 14.6	b	3	L	
9258	21630	144515		03.5	+10	49	8.5	.491	dKO	- 61.1	a	21	W	Orb. Sanford
9259	4° 4042	144492		03.7	-04	37	8.0	.076	dF4	- 14	d	3	L	
9260	a) Sco	144470		03.9	-20	32	4.1	.031	B2	- 4	c	21	3	IS -13 c *
9261	R Her	144622		04.0	+18	30	7.3v	.024	gM6e	- 30	c	2	W	Em -42 *
9262	L 1130-30	•••••		04.0	+08	30	12.0	••••	dM3e	- 48	e	6	W	SB (36)
9263	58° 1611	144955		04.4	+58	18	8.2	.041	sgF1	- 4.5	b	3	L	
9264	21659	144608		04.5	-20	44	4.6	.061	gG2	- 5.4	a	8	LC	*
9265	12° 4420	144639		04.6	-13	00	8.2	.054	gF3	+ 10	c	3	L	
9266	21662	145368		04.7	+73	17	7.0	.106	F5	- 14.4	b	4	D	
9267	21663	144872		04.7	+38	46	8.6	.596	dK5	+ 24	c	3	W	
9268	CC 968	•••••		04.7	+34	47	10.5	.64	dMO	+ 8.2	b	3	W	
9269	21667	144708		04.8	-12	37	5.6	.062	B9n	- 25	d	4	W	
9270	U Ser	144782		04.9	+10	04	7.6v	.026	gM3e	- 31	c	2	W	Em -40 *
9271	21673	144690		05.1	-26	12	5.6	.130	gM2	- 18	c	4	WL	*
9272	21674	•••••		05.1	+66	55	9.8	.243	dGO	- 76	c	3	W	
9273	13° 3069	144839		05.1	+13	28	7.2	.080	F2n	- 30	c	7	D	
9274	21676	145622		05.1	+76	56	5.6	.026	A0	- 25	c	8	VW	SB *
9275	21677	144480		05.2	-57	48	5.8	.063	AOn	0	c	6	L	
9276	21678	144889		05.2	+21	57	6.3	.050	gK5	+ 56.6	b	5	V	
9277	21682	144874		05.2	+10	01	5.6	.026	A5	- 27.9	b	6	V	
9278	SX Her	144921		05.3	+25	02	8.8v	.044	gG7ev	+ 20	b	21	W	Em +16.5 *
9279	21684	145082		05.5	+47	38	6.6	.007	A0	- 8	c	6	D	
9280	21688	144999		05.6	+29	08	7.7	.028	cFO	- 23.2	b	4	W	
9281	49° 10348	144695		05.7	-49	49	10.1	.08	09	0	e	2	Md	
9282	21692	144937		05.7	+10	13	6.7	.046	A4n	- 22	c	4	W	
9283	K Her	145001		05.8	+17	11	5.3	.041	gG4	- 9.3	a	15	3	A 9933A *
9284	A 9933B	145000		05.8	+17	11	6.5	.049	gK2	+ 38.3	b	6	W	
9285	21702	145002		06.1	+08	40	5.9	.026	gM3	- 22.1	b	3	W	
9286	21705	145454		06.2	+67	57	5.4	.071	AOn	- 18	c	16	3	*
9287	21706	145050		06.2	+08	45	6.7	.047	gM4	+ 52	c	4	W	
9288	21717	145085		06.5	+03	35	6.1	.033	gK5	+ 9.3	b	3	W	
9289	21718	145122		06.5	+17	20	6.1	.042	A0	- 16	c	8	V	
9290	16° 423G	145059		06.6	-17	03	8.0	.082	dG1	+ 45	c	2	L	
9291	21722	144987		06.7	-33	25	5.6	.071	B9n	- 45	e	2	L	
9292	21724	145148		06.7	+06	31	6.0	.780	dK2	- 4.0	b	0	3	*
9293	46° 10590	•••••		07.0	-40	51	10.2	••••	09	- 19	e	2	Md	
9294	12° 4441	145153		07.1	-12	45	7.6	.011	gG8	- 14.8	b	3	L	
9295	r CrB	145328		07.1	+36	37	4.9	.328	sgK1	- 18.2	b	18	4	SB *
9230	* Her	145389i		07.2	+45	04	4.3	.041	AO	- 15.6	a	16	4	*
9297	21738	145206		07.2	-03	20	5.4	.035	gK5	- 46	c	14	3	SB (28) *
9298	26* 2791	145404i		07.8	+26	08	7.7	.052	dGO	- 8	c	2	L	
9299	21749	145250		07.9	-29	17	5.2	.133	gK3	- 26.6	a	7	LC	*
9300	62° 1461	145710		08.8	+62	37	8.2	.025	dPQ	- 20	c	2	L	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	r/		km/sec					
9301		21751 145457	16	08.0	+26	52	6.7	0.047	K0	- 4.9	b	10	DS	*
9302		21753 145674		08.1	+58	04	6.3	.030	A0	- 6	d	4	V	SB (39)
9303	RU	Her 145459		08.2	+25	12	6.9 _v	.017	gM7e	- 25	b	4	W	Em -39.6 *
9304		21756 145694		08.3	+55	57	6.6	.037	K0	- 14.6	b	4	W	
9305		21761 145675		08*8	+43	57	6.5	.318	dK1	- 5.5	b	3	W	
9306	v	Sco 145503		09.1	-19	20	4.3	.032	B3	- 7	c	9	3	IS -11.2 b *
9307		21774 145589		09.1	+09	50	6.5	.015	A3	- 27.3	b	5	V	
9308		21777 145647		09.2	+16	48	5.9	.005	A2	- 15	c	7	WV	*
9309		21778 145482		09.2	-27	48	4.7	.036	B3n	+ 10	c	6	LW	*
9310	f	Sco 145570		09.3	-09	56	4.9	.022	A3	- 5.7	b	16	4	*
9311		21781 145991		09.3	+65	58	9.3	.268	dG8	- 30	c	4	W	
9312	II	4593 145649		09.3	+12	12	. . . .	. . . .	Pc	+ 22.0	a	9	L	Em PL neb.
9313		21784 145607		09.4	-08	25	5.5	.037	A1n	+ 5	c	13	4	*
9314	LQ	Her 145713		09.5	+23	37	7.3 _v	.037	gM4	- 24.7	b	3	W	*
9315	K	Nor 145397		09.5	-54	30	5.1	.035	G4	- 13.5	a	7	LC	*
9316		21792 145802		09.8	+33	28	6.4	.010	gK2	+ 0.2	b	6	VW	*
9317		21794 145730		09.8	+12	02	8.4	.065	dA5	+ 2.2	b	3	W	
9318	L	1130-91		09.8	+05	38	12.1	.69	dK4	- 15	c	4	W	
9319	14°	3011 145743		09.8	+14	40	8.7	.023	gG9	- 47.3	b	4	W	
9320		21796 145772		09.8	+14	41	8.1	.043	gK4	+ 34.7	b	4	W	
9321		21800 145849		10.0	+36	33	5.7	.046	gK4	- 30.6	a	42	VW	Orb. Christie
9322		21802 145931		10.1	+42	30	6.0	.023	gK5	- 21.4	b	8	DW	*
9323	1°	3144 145774		10.2	-01	36	7.5	.024	B8	+ 30.3	b	6	S	
9324		21803 145788		10.3	-04	06	6.1	.040	A0	- 16.4	b	3	S	
9325	14°	4370 145748		10.4	-14	59	7.4	.023	gMO	- 34	c	3	L	
9326	14°	4371 145777		10.4	-15	05	10.7	. . . .	R4	+ 15	c	3	W	
9327		21808 145891		10.6	+12	56	7.0	.040	A3n	- 24	c	6	D	
9328		21811 145976		10.7	+26	48	6.4	.055	dF2	- 7.6	b	7	DW	*
9329		21813 145809		10.7	-21	16	6.7	.123	dGO	+ 16.7	b	3	W	*
9330		21815 145892		10.8	+05	09	5.6	.041	gK5	- 19	b	5	WV	*
9331	6	TrA 145544		10.9	-63	34	4.0	.023	GO	- 4.7	a	12	LC	*
9332	32°	2691 146025		10.9	+32	44	7.9	.034	gKO	- 7.1	b	3	W	
9333		21820 146010		11.0	+21	42	6.6	.024	A2	- 22.5	b	5	S	
9334	A	9969A 145958		11.0	+13	40	7.5	.452	dKO	+ 18.1	b	6	W	
9335	A	9969B		11.0	+13	40	7.6	. . . .	dK1	+ 20.8	b	5	W	
9336		21827 146100		11.1	+39	29	8.2	.372	dG4	- 52.4	b	4	W	
9337	X	Sco 145897		11.1	-11	43	5.5	.020	gK3	- 25.1	a	11	3	*
9338	B	Nor 145842		11.6	-47	15	5.4	.067	B8n	+ 2	c	4	L	
9339	+0°	3475 146067		11.7	+00	37	9.3	.006	A2	- 26	c	2	L	
9340	S	Oph 146051		11.7	-03	34	3.0	.156	gMO	- 19.9	a	46	6	*
9341		21841 146084		11.8	+06	02	6.4	.046	gK3	- 21.0	b	4	V	
9342		21844 146102		11.9	+02	46	7.1	.073	F5	+ 2.9	b	3	S	
9343	CC	975		11.9	+44	35	9.3	.41	dK6	- 18	d	2	W	
9344		21851 146926		12.2	+76	00	5.5	.010	B9n	- 0.9	b	17	3	*
9345		21852 146603		12.2	+67	16	6.3	.053	K3	- 9.5	b	4	D	
9346		21854 146169		12.3	+07	59	6.8	.022	gK4	- 20.3	b	3	W	
9347	75°	585		12.6	+74	47	8.4	.025	gM5	- 30.6	b	4	W	
9348	18°	3148 146264		12.6	+18	20	7.5	.016	gG8	- 21.0	b	S	L	
9349		21861 1460-03		12.8	-53	41	5.4	.007	M3	- 27.9	a	6	LC	*
9350	6	Aps 145366		12.8	-78	34	4.8	.042	M5	- 12.0	b	4	L	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	t		//	km/sec					
9351	a CrB	146361	16	12.8	+33	59	5.8	0.299	dF8	- 10.9	a	73	V	A 9979A *
9352	A 9979B	146362		12.8	+33	59	6.7	< . . .	dGO	- 17.2	b	7	WV	*
9353	21864	146233		12.9	-08	14	5.6	.556	dG1	+ 10.6	b	5	W	
9354	21865	145388		12.9	-78	33	5.2	.026	M1	- 10.2	b	3	L	
9355	21867	146254		13.0	-14	44	6.1	.012	AOn	- 11.1	b	4	W	
9356	21870	146388		13.3	+18	56	5.9	.108	gK3	- 17.8	b	6	W	
9357	y Nor	146143		13.3	-49	57	5.0	.011	cG4	- 18.5	b	4	L	
9358	32° 2697	146470		13.3	+32	17	8.5	.06	gK3	-164.8	b	3	W	
9359	7° 3125	146413		13.5	+07	29	9.4	.511	dK6	+ 6	c	8	W	
9360	W CrB	146560		13.6	+37	55	7.6v	. . . .	gM4e	+ 20	c	2	W	Em +10 *
9361	21875	146452		13.6	+11	33	7.5	.059	gG7	- 25.9	b	4	W	
9362	21879	146537		13.7	+27	33	6.3	.051	K3	- 10.9	b	4	D	
9363	21880	147142		13.8	+75	20	6.5	.052	gK3	- 25.8	b	5	W	
9364	N 6093-1	. . . . .		13.9	-22	51	13.1v	. . . . .	F6-G0	+ 20	c	3	W	
9365	21885	146436		14.1	-19	59	6.6	.014	gG8	- 33.3	b	3	W	
9366	NGC 6093	146417		14.1	-22	52	8.4	. . . . .	dF6	+ 18	c	6	LLw	Glob. cl. *
9367	21887	146604		14.1	+23	15	6.6	.026	gG7	+ 13.7	b	12	WV	*
9368	21893	146969		14.2	+66	30	8.2	.011	gK4	+ 11	c	3	W	
9369	21895	146514		14.3	-03	50	6.1	.037	dA6n	- 8.4	b	7	SW	*
9370	14° 4389	146543		14.5	-15	12	7.4	.045	dA8n	+ 6	c	5	W	SB (39)
9371	45° 2388	146814		14.6	+44	47	9.0	. . . . .	GO	- 11	d	1	L	
9372	R Sco	. . . . .		14.6	-22	50	9.5v	. . . . .	gM3e	0	b	4	W	Em -10.6 *
9373	S Sco	. . . . .		14.7	-22	46	9.3v	.037	gM3e	+ 85	c	5	W	Em +77 *
9374	S Nor	146323		14.7	-57	47	6.6v	.008	cGOv	- 3	c	5	L	Cep 9.75 *
9375	21899	146698		14.7	+18	58	7.6	.017	gMO	+ 9.3	b	4	W	
9376	v CrB	146738		14.7	+29	16	5.7	.030	A3n	+ 2	c	6	VW	*
9377	38° 2747	146828		14.9	+38	45	8.0	.018	gK5	- 34.1	b	3	W	
9378	21907	147231		15.2	+71	03	7.8	.299	dG5	- 17.5	b	3	W	
9379	21910	146624		15.2	-28	29	4.9	.116	A0	- 12.4	b	4	L	
9380	21916	147321		15.4	+73	31	6.0	.032	A0	- 15.0	b	6	V	
9381	6° 3198	146815		15.6	+06	12	7.6	.035	cG7	+ 31	c	2	L	
9382	34° 2758	146929		15.6	+34	24	8.3	. . . . .	sgF2	- 27	c	2	L	
9383	€ Oph	146791		15.7	-04	34	3.3	.089	gG7	- 10.3	a	24	4	*
9384	X Nor	146667		15.8	-42	33	5.6	.022	A2n	- 22	d	3	L	
9385	21924	146946		15.8	+31	55	6.9	.327	GO	- 32	c	3	S	
9386	55° 1823	. . . . .		16.0	+55	25	10.1	. . . . .	dM1e	- 30	c	5	WMd	*
9387	21933	146686		16.1	-50	02	4.1	.175	G8	- 29.2	a	9	LC	*
9388	21934	146850		16.2	-14	45	6.1	.031	gK4	- 42	c	3	W	SB (27)
9389	21935	146834		16.2	-20	06	6.4	.016	gG7	+ 8.0	b	8	W	
9390	21937	147025		16.3	+26	01	6.6	.010	gG5	- 9.2	b	10	WV	*
9391	21941	146836		16.4	-30	47	5.4	.084	F5	- 8	c	3	L	SB (24)
9392	21943i	147232		16.4	+59	53	5.6	.022	gM4	- 35.7	b	4	W	
9393	21949*	147379		16.6	+67	22	8.9	.522	dMO	- 14	c	3	W	
0394	42° 2696	147144		16.6	+42	45	8.3	.048	sgF4	- 18	d	2	L	
9395	21958	147009		17.1	-19	56	8.8	.030	B9E	- 4	d	3	W	
9396	21960	147010		17.2	-19	50	7.2	.025	A1	- 9	c	3	W	
9397	RV CrB	. . . . .		17.5	+29	50	10.7v	.024	. . . . .	-100	I	3	W	RR 0.33
9398	A 10005A	147103		17.6	-20	00	7.7	.020	A0	+ 18	d	4	W	
9399	A 10009B	147104		17.6	-20	00	8.0	.061	A0	+ 2	a	5	W	
9400	21969	147084		17.6	-24	03	4.8	.032	A3	- 8.5	a	6	L	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
9401	CC 982	.....	16	17.7	+22	46	11.4	0.46	sdG2	+167	d	2	Md	
9402	21974	147352		17.8	+49	09	6.2	.035	gK6	- 31.5	b	4	V	
9403	21976	147266		17.9	+21	15	6.1	.060	dG7	- 24.7	b	7	SW	*
9404	a Sco	147165		18.1	-25	28	3.1	.030	B1	- 0.4	a	737	LO	IS -8.0 b *
9405	21983	147662		18.2	+68	40	6.5	.064	K2	- 10.6	b	4	D	
9406	21984	147365		18.2	+39	50	5.5	.127	dFOn	- 29.0	b	12	VW	*
9407	r Her	147394		18.2	+46	26	3.9	.034	B7	- 13.8	a	27	4	*
9408	C 2189	147676		18.3	+67	23	9.3	.117	dGO	+ 8.1	b	3	W	
9409	21995	147395		18.5	+37	06	6.8	.038	gM2	- 15	c	4	W	SB (20)
9410	W Oph	.....		18.7	-07	35	9.2v	.030	gM6e	- 42	e	3	W	Em -55 *
9411	21997	147152		18.7	-49	27	5.5	.031	B6n	- 9	c	4	L	
9412	24° 12671	147284		18.9	-24	52	9.1	.247	dG3	- 23	c	4	W	
9413	7j UMi	148048		18.9	+75	52	5.0	.260	dA8n	- 9.5	b	14	3	*
9414	+0° 3505	147370		19.0	+00	12	7.0	.050	G7	+ 38	d	1	V	
9415	50° 2276	147622		19.2	+49	55	9.0	.043	G5	- 10	d	1	L	
9416	C 2187	147487		19.2	+27	29	8.7	.168	GO	- 58.2	b	4	D	
9417	α Ser	147449		19.5	+01	09	4.8	.169	dA7n	- 45.5	b	11	L	
9418	y Her	147547		19.7	+19	16	3.8	.062	dA6n	- 35.3	b	160	5	*
9419	. 22013	147510		19.7	+03	00	7.4	.020	K5	+ 9	d	1	V	
9420	k CrB	147677		20.1	+31	00	4.7	.145	gKO	- 28.9	b	10	3	*
9421	N 6121-4	.....		20.4	-26	30	11.4v	....	G2-G8	+ 55	c	5	W	
9422	N 6121-13	.....		20.5	-26	20	12.4v	....	G3-K0	+ 75	c	4	W	
9423	22026	147749		20.5	+33	55	5.4	.046	gM2	- 12.7	b	6	LW	*
9424	22029	147767		20.6	+33	49	5.3	.051	gK5	- 39.1	a	6	LW	*
9425	-0° 3106	147644		20.6	-00	35	7.9	.249	dF9	+ 10	c	2	L	
9426	22030	147513		20.6	-39	05	5.4	.079	dG5	+ 10.1	a	6	L	
9427	W UMi	150265		20.7	+86	20	8.6v	.026	A4n	- 12.8	b	40	MdW	EA 1.70 *
9428	A 10030A	147735		20.8	+13	57	7.6	.037	dF2	- 42	c	4	W	SB (18)
9429	A 1003GB	.....		20.8	+13	57	9.9	....	dG2	- 43	e	3	W	
9430	22040	147835		21.0	+32	27	6.2	.020	A1	- 3	c	11	VW	SB 2-sp *
9431	32° 2717	147851		21.1	+32	44	7.9	.043	gK4	- 0.9	b	3	W	
9432	∇ Oph	147700		21.2	-19	55	4.6	.061	gG9	+ 0.2	a	6	L	
9433	22043	147628		21.2	-37	27	5.4	.034	BSn	+ 8	c	6	L	
9434	24° 2999	147852		21.3	+24	46	9.2	.023	G5	- 66	d	1	L	
9435	22047	148432		21.4	+76	16	6.9	.008	A3n	- 4.5	b	5	D	
9436	22055	147776		21.5	-13	31	8.6	.320	dK2	+ 9.7	b	3	W	
9437	22058	147869		21.7	+07	04	5.7	.010	AIn	- 33.4	a	41	V	Orb. Harper
9438	22062	148293		21.9	+69	14	5.4	.023	gK2	- 8.1	a	16	3	*
9439	¥445 Oph	.....		22.0	-06	25	10.1v	....	.....	- 15	d	1	W	RR 0.40
9440	22066	147756		22.2	-45	26	8.5	.013	B4ne	- 9	e	1	Md	IS -18 e
9441	24° 12684	147889		22.4	-24	21	8.0	.025	B3	- 3	d	5	W	IS -12 d *
9442	22070	147888		22.4	-23	21	6.6	.046	B4	- 9.6	b	8	LW	IS -9.3 b *
9443	CC 986	.....		22.5	+48	29	10.3	1.23	dM3	- 28.6	b	5	WMd	*
9444	A 10049B	147034		22.6	-23	20	5.9	0.026	B5n	- 10	d	2	W	IS -9.6 b *
9445	P Oph	147933		22.6	-23	20	5.2	.026	B5n	- 10	c	11	3	IS -9.1 b *
9446	A 10049C	147932		22.6	-23	18	7.1	.038	B9E	- 19	c	4	W	
0447	32° 2721	148096		22.6	+32	36	8.1	... *	gK3	- 44.8	to	3	W	
9448	t TrA	147584		23.1	-69	58	4.9	.224	dGO	+ 8.5	a	34	5	Orb. *
9449	oi Her	148112		23.1	+14	09	4.5	.077	A2	- 6.6	a	41	5	*
9450	22091	148374		23.1	+61	49	5.6	.048	gG7	- 23.8	b	9	VW	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
9451		22096	148147	16 23.2	+17	25	7.9	0.066	dF8	- 31.2	b	4	W	
9452	L	TrA	147787	23.3	-63	57	5.3	.054	F3	- 5.1	a	43	C	Orb. *
9453	I7	Dra	148387	23.3	+61	38	2.9	.062	gG6	- 14.3	a	18	4	*
9454		22102	148330	23.3	+55	19	5.7	.021	A2	- 4.4	b	6	V	
9455	€	Nor	147971	23.5	-47	27	4.8	.035	B5	- 12	c	8	L	SB 2-sp
9456	U	Her	148206	23.6	+19	00	6.2v	.012	gM7e	- 27.6	b	3	W	Em -43.2 *
9457		22108	148283	23.6	+37	30	5.5	.017	AOn	- 1.3	b	17	3	*
9458	50°	2287	148365	23.7	+50	34	7.8	.020	gG6	- 43	c	2	L	
9459		22112	148228	23.8	+11	31	6.2	.035	K0	- 21.3	b	4	D	
9460	8°	4234	148180	23.9	-08	37	8.2	.021	sgFO	- 8	c	2	L	
9461	V	Oph	148182	23.9	-12	19	6.9v	.010	Ne	- 37.4	a	12	We	Em -57.2 *
9462	X	Oph	148184	24.1	-18	21	4.8	.034	B3e	- 5.1	b	15	3	IS -12.8 b *
9463		22120	148433	24.2	+51	15	7.3	.054	dA8	- 21	c	8	VW	*
9464		22121	148211	24.3	-22	01	7.6	.429	dF8	- 19.1	b	3	W	
9465		22123	148287	24.3	+02	28	6.2	.037	G5	+ 4	c	8	SV	*
9466		22125	148296	24*4	+11	06	7.0	.046	gM4	- 30.3	b	3	W	
9467		22127	148317	24.4	+16	05	6.8	.052	F9	- 37	c	7	DS	SB *
9468	43°	10810	148173	24.6	-43	34	9.3	*. .	N	+ 7	c	2	W	
9469		22133	148349	25.0	-0.7	29	5.4	.161	gM2	+ 99.6	a	10	3	*
9470	v	Oph	148367	25.1	-08	16	4.7	.079	A2	- 30.6	b	10	3	*
9471	21°	2926	148492	25.6	+21	00	8.3	.102	dF9	+ 8.9	b	3	W	
9472	v	Aps	147675	25.7	-78	47	3.9	.142	sgKO	+ 5.4	a	15	LC	*
9473		22148	148513	26.0	+00	47	5.5	.070	gK5	+ 7.3	a	14	3	*
9474		22149	148616	26.1	+32	49	7.0	.026	K0	- 15	c	3	S	
9475		22150	148379	26.1	-46	08	5.5	.019	B1	- 19.3	b	4	L	
9476		22151	148530	26.1	+03	22	9.0	.544	dKO	+ 22	c	6	W	
9477	A	10072A	148515	26.1	-08	01	6.6	.100	dF3	0.0	b	3	W	
9478	A	10072B	.....	26.1	-08	01	9.0	....	dK1	- 2	c	3	W	SB (19)
9479	a	Sco	148478	26.3	-26	19	1.2	.029	cM1	- 3.2	a	150	CL	A 10074A *
9480	A	10074B	.....	26.3	-26	19	6.8	....	B3ep	+ 1.8	b	4	W	IS -16.2 b 4
9481		22159	148291	26.4	-61	32	5.1	.014	K0	+ 3.9	a	7	LC	*
9482		22166	148653	26.7	+18	31	7.0	.510	dK2	- 36.2	b	3	W	
9483	CC	993	.....	26.8	+44	48	11.5	.74	sdG1	-301	c	2	Md	
9484		22171	148604	27.0	-14	27	5.8	.028	gG2	- 31.3	b	4	WS	*
9485		22172	148783	27.0	+41	59	5.0	.025	gM6	+ 3.4	a	8	LW	*
9486	A	10077A	148683	27.0	+10	42	7.7	.021	gG4	- 14	c	4	W	
9487	A	10077B	.....	27.0	+10	42	9.2	....	dF2	- 6	c	4	W	
9488		22179	148605	27.2	-25	00	4.9	.030	B3n	- 3.8	b	7	LW	*
9489		22185	148880	27.4	+51	31	6.4	.024	gK1	- 16.0	b	3	V	
9490	CC	995	.....	27.5	-12	32	10.0	1.24	dM4	- 13	c	6	WMd	SB (25) *
9491		22187	148743	27.8	-07	24	6*4	0.026	A5	+ 2.0	b	8	VS	*
9492		22190	148816	28.0	+04	18	7.4	1.466	dF7	- 51.7	b	3	W	
9493	0	Her	148856	28.1	+21	36	2.8	0.105	gG5	- 25.5	a	34	L	Orb. Plummer
9494		22194	149212	28.1	+68	53	5.0	.041	B9n	- 6.7	b	20	4	*
9495	NGC	6153	148087	28.1	-40	09	10.8	....	Pd	+ 39.0	b	4	L	Em PL neb.
9496		22195	148703	28.1	-34	30	4*3	.024	B3	+ 0.4	b	10	L	
9497		22196	148704	28.1	-38	54	7.5	.532	dK1	- 58.7	b	3	W	
9493		22198	148688	28.2	-41	43	5.5	.016	B1e	- 14.0	b	3	L	
9439		22190	149198	26.2	+07	09	6.7	.037	gM3	- 80.5	b	4	W	
9509	*	Oph	148786	28*3	-16	30	4.4	.067	gG5	- 34.4	a	11	L	

Cat. No.	Star	ED. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
			h	m	°	'	''	km/sec					
9501		22202	148897	16 28.4	+20 35	5.3	0.106	gG4	+ 18.3	a	13	3	*
9502	X	Oph	148857	28.4	+02 06	3.8	.089	A1n	- 15	c	18	3	*
9503		22205	149681	28.5	+79 04	5.5	.157	A3	- 12.0	b	8	8	VVn
9504	VX	Her	.....	28.5	+18 28	9.6v	.054	A3-F0	-390	c	5	W	RR 0.46
9505		22210	149222	28.7	+64 54	7.8	.204	c!G2	- 33.5	b	3	W	
9506		22211	149081	28.7	+49 04	6.2	.086	A0	- 7.9	b	7	V	
9507		22212	148488	28.8	-70 53	5.6	.040	K0	- 3	c	2	L	
9508		22213	149105	28.8	+48 04	7.0	.308	dF8	- 46.4	b	3	W	
9509	DY	Her	.....	29.0	+12 07	10.2v	.....	.....	- 50	d	3	W	RR 0.15
9510		22216	149009	29.1	+22 18	6.0	.015	gK5	- 25.6	b	9	DW	*
9511	a)	Oph	148898	29.2	-21 22	4.6	.033	dA6	+ 2.5	a	9	L	
9512		22223	148980	29.2	+05 32	7.9	.060	dF1	- 13.9	b	3	W	
9513		22224	149084	29.2	+35 20	6.5	.033	K8	+ 24.1	b	4	D	
9514		22235	149141	29.6	+33 37	6.7	.040	A2n	- 30	c	8	W	*
9515		22244	149121	30.1	+05 38	5.6	.016	A1	- 27	c	3	W	
9516		22250	149161	30.3	+11 36	4.9	.198	gMO	+ 3.1	a	5	L	
9517	A	10105A	149303	30.3	+45 42	5.6	.037	A1n	- 15.8	b	12	VW	*
9518	A	10105B	.....	30.3	+45 42	8.6	.....	dF9	- 16.9	b	4	W	
9519		22253	148989	30.4	-48 47	8.9	.031	cB1	- 40	d	2	Md	
9520		22255	149162	30.4	+03 21	9.5	.420	dKO	- 58	c	5	W	SB (37)
9521	SS	Her	.....	30.5	+06 58	7.6v	.....	gM3e	- 46	b	3	W	Em -47.1 *
9522		22258	149038	30.5	-43 56	5.2	.016	O9	+ 5	c	5	L	IS +2 W1
9523	R	UMi	149683	30.6	+72 23	8.7v	.....	gM7e	- 22	c	2	W	P325
9524	T	Oph	.....	30.9	-16 02	8.8v	.....	gM6e	- 47	e	3	W	Em -61 *
9525	6	TrA	148890	30.9	-65 24	5.4	.054	G5	+ 9.6	b	4	L	
9526		22271	149394	31.3	+31 01	7.7	.019	dF2	- 12.4	b	3	W	
9527	S	Oph	.....	31.4	-17 03	8.2v	.012	gM5e	- 9	e	2	W	Em -19 *
9528		22276	149420	31.5	+30 36	6.7	.042	dFO	- 15.2	a	31	V	Orb. McKellar
9529		22281	149650	31.7	+60 56	5.8	.022	A1n	- 14	c	4	WV	*
9530	3°	3967	149382	31.7	-03 55	9.0	.017	B5n	+ 3	c	7	L	
9531	5°	4318	149363	31.8	-06 02	8.0	.009	O9	+115	d	11	LW	IS -16.2 b *
9532		22285	149504	31.9	+38 12	6.6	.081	F5	- 46	c	7	S	
9533		22288	149748	32.2	+62 57	7.2	.050	F0	- 20.7	b	4	V	
9534		22290	150010	32.2	+72 43	6.4	.060	KO	- 33.1	b	5	D	
9535	cr	Her	149630	32.5	+42 32	4.2	.041	A0	- 10.9	b	23	3	*
9536	R	Dra	149880	32.5	+66 51	6.3v	.051	gM7e	-132.8	b	4	W	Em -143.2 *
9537		22301	150275	32.8	+77 33	6.4	.289	sgKO	- 32.0	b	3	W	
9538	r	Sco	149438	32.8	-28 07	2.9	.030	BO	- 0.7	a	24	4	IS -12 c *
9539		22304	149404	32.9	-42 45	5.6	.017	O9	- 48	c	2	L	
9540		22306	.....	33.0	+08 55	8.9	.256	dG2	+ 12.1	b	3	W	
9541		22311	149447	33.1	-35 09	4.3	.020	Ma	- 2.1	a	10	CL	*
9542		22314	149632	33.2	+17 10	6.3	.009	A0	- 8.9	a	40	V	Orb. Young
9543	W	Her	149749	33.4	+37 27	7.3v	.004	gM3e	- 51	c	2	Mi	Em »59 *
9544		22321	149661	33.7	-02 13	5.9	.551	dKO	- 15.4	b	5	WV	*
9545	UU	Her	.....	34.2	+38 04	8.5v	.....	cF7v	-130	b	13	W	SR *
9546	TX	Dra	150077	34.3	+60 34	6.8v	.048	gM4e	+ 52.0	b	10	W	SR 79.4
9547	t	Oph	149757	34.4	-10 28	2.7	.022	BO n	- 19	d	12	3	IS -16.0 b *
9548		22335	149822	34.4	+15 36	6.3	.018	AOp	0.0	b	9	V	
9549		22337	150706	34.5	+79 54	7.0	.118	dG3	- 14	c	4	W	
9550		22338	149890	34.5	+31 03	7.3	.481	dF7	- 7.5	b	3	W	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	//	km/sec						
9551	+0° 3553	149806	16	34.6	+00	21	7.0	0.100	K1	+ 6	d	1	V	
9552	RU ¹ Dra	.....		34.6	+57	56	10.2v	.022	A5	-110	c	3	W	RR 0.44
9553	22342	149881		34.7	+14	35		.009	B2	+ 13	c	10	WV	IS -16.3 a *
9554	22343	149956		34.7	+36	08		.041	gM3	- 52.0	b	3	W	
9555	22344	150030		34.7	+46	43		.016	gG6	- 14.7	b	7	DW	*
9556	CC 1004	149957		34.8	+31	12		.59	dK6	- 6.8	b	3	W	
9557	.....	.....		34.8	+31	13		10	.....	- 24	c	4	W	
9558	23347	149711		34.9	-43	18		.040	B3	+ 2.3	b	3	L	
9559	A 10129C	150100		35.0	+53	00		.029	B9	- 8.6	b	11	3	*
9560	A 10129A	150117*		35.0	+53	01		.024	AOn	- 11	c	11	3	*
9561	A 10129B	150118		35.0	+53	01		.....	AOn	- 18.0	b	4	W	
9562	31° 2877	.....		35.3	+31	19		.....	dK5	- 19.4	b	3	W	
9563	22361	150012		35.5	+13	47		".074	F2	- 21.1	b	7	SV	*
9564	51° 2121	.....		35.5	+51	39		.119	dG1	+ 26.2	b	3	W	
9565	29° 2858	150086		35.7	+28	56		.055	G5	+ 0.1	b	4	D	
9566	22369	150102		35.8	+27	09		.040	gM2	+ 0.6	b	3	W	
9567	0 Aps	149324		35.9	-77	25		.451	G8	- 30.5	a	7	LC	*
9568	43° 2624	150203		36.0	+43	40		.047	A2n	- 16	c	8	D	
9569	22382	150429		36.4	+63	10		.091	K5	- 42.1	b	4	D	
9570	22391	.....		36.9	+38	25		.009	A3n	- 19	c	3	W	
9571	70° 888	150693		36.9	+69	52		7.9	dA8	+ 0.3	b	3	W	
9572	22398	150449		37.0	+56	07		*.065	gKO	- 19.1	a	12	3	*
9573	22404	150409		37.2	+48	58		.026	gM4	- 37	c	4	W	SB (26)
9574	22405	150304		37.2	+22	06		.117	K0	+ 58.9	b	3	S	
9575	22412	150450		37.4	+49	02		.052	gM2	- 55.2	a	12	3	*
9576	SU Sco	.....		37.4	-32	17		8.0v	N	- 19	c	2	W	Irr?
9577	29° 2864	150361		37.5	+29	19		.017	A0	- 25	c	5	S	
9578	22419	150136		37.6	-48	40		.014	Oe5	+ 23	d	3	L	SB (180)
9579	AF Her	.....		38.0	+41	12		11.8v	.....	-270	d	1	W	RR 0.63
9580	47° 10951	150197		38.0	-47	28		9F*	O8	- 2	e	2	Md	IS -33 d
9581	A 10149B	150379		38.1	+04	18		.017	dA5n	- 31.0	b	9	SW	*
9582	A 10149A	150378		38.2	+04	19		.018	AOn	- 34	d	4	V	
9583	WW Dra	150708		38.4	+60	48		8.8v	G2+K0	- 28.5	a	31	W	EA 4.63 *
9584	A 10152B	.....		38.4	+60	48		8.8	dF9	- 33.2	b	9	W	
9585	22439	150365		38.4	-17	58		6.6	dA8	- 2.3	b	3	W	
9586	22445	150433		38.5	-02	45		.443	dG2	- 42.1	b	3	W	
9587	22446	150483		38.5	+12	29		.033	A2n	- 27	c	4	Y	
9588	16° 4327	150415		38.7	-16	50		.034	dF5	+ 10	c	2	L	
9589	22449	150416		38.7	-17	39		.022	sgG8	- 25.2	a	7	CL	*
9590	3° 3978	150466		38.7	-04	07		.076	dF5	- 10	d	3	L	SB (26)
9591	AX Stan	.....		38.7	-27	01		7.1v	gM6	- 45	c	2	W	SR?
9592	V502 Oph	150484		38.8	+00	36		8.5v	G2+F9	- 37	b	31	Md	EB 0.45 *
9593	23° 2973	150553		38.8	+22	51		8.3	dFO	- 11	d	2	L	
9594	66° 969	.....		38.9	+66	01		9.3	dF9	- 24	d	4	W	SB (45)
9595	22452	150580		38.9	+24	57		6.2	K3	- 67.6	b	4	D	
9596	22453	150453		39.0	-19	50		.040	uF5	+ 4.9	b	3	W	
9597	22458	150525		39.0	+04	58		.026	A0	+ 2	c	5	S	
9598	22460	150557		39.2	+01	17		.118	dF2	- 45.4	b	6	Y	
9599	58° 1661	150826		39.3	+58	13		.020	sgF6	- 24	c	2	L	
9600	r Her	150680		39.4	+31	42		3.0	dG€	- 69.9	a	69	7	Orb. Berman *

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
9601	3T ^a 10930	150475	h	m	°	'	8.6	.....	O8	- 22	d	2	Md	IS -8 d Orb. Sanford
9602	22468	150682	16	39.5	-37	45	5.9	0.049	dF2	- 12.1	a	30	W	
9603	N 6205-11	.....		39.8	+36	32	<u>12.9v</u>	.....	G2-K0	-255	c	8	W	
9604	N 6205-2	.....		39.8	+36	33	<u>12.6v</u>	.....	F0-G3	-244	c	9	W	
9605	NGC 6205	150780		39.9	+36	33	7.2	.....	dF4	-228	b	11	3	Glob. cl. *
9606	N 6205-10	.....		39.9	+36	33	<u>13.1v</u>	.....	G2-K0	-252	c	8	W	
9607	N 6205-1	.....		40.0	+36	33	<u>13.2v</u>	.....	A2-F2	-245	c	3	W	
9608	N 6205-6	.....		40.1	+36	34	<u>13.5v</u>	.....	F2-F5	-245	d	2	W	
9609	22476	150781		40.3	+21	41	7.3	*.018	A0	- 24	c	6	S	
9610	22481	150591		40.4	-41	01	6.2	.032	B8n	- 2.3	b	3	L	
9611	22489	151101		40.6	+64	41	5.0	.019	gK2	+ 0.3	a	5	L	
9612	22491	151623		40.7	+79	01	6.4	.040	gG9	- 19.9	b	7	DW	*
9613	V Her	150997		41.2	+39	01	3.6	.097	sgG5	+ 8.3	a	23	3	*
9614	22505	150742		41.2	-40	45	5.7	.041	B3n	+ 11.8	b	4	L	
9615	78 ^o 565	151698		41.5	+77	56	8.2	.....	gKO	- 59.7	b	4	W	
9616	22511	151481		41.5	+72	46	6.9	.008	gM2	- 61.9	b	3	W	
9617	22513	150549		41.6	-67	01	5.3	.023	AOn	- 2	c	4	L	
9618	S Dra	151187		41.9	+55	00	8.2v	.057	gM6	+ 6	c	2	W	SR 342
9619	42 ^o 2741	151120		41.9	+42	42	8.2	.....	sgF2	- 13	c	2	L	
9620	22521	151199		41.9	+55	47	6.2	.092	A2p	- 46	c	12	VW	*
9621	22522	151087		42.0	+34	08	5.9	.087	dFO	- 10.2	b	9	VW	*
9622	22524	150745		42.1	-58	25	5.9	.023	B3	- 16	c	4	L	
9623	22527	150937		42.1	-23	06	6.9	.038	dF3	- 36	c	4	W	SB (32)
9624	NGC 6210	151121		42.4	+23	53	8.5	.....	Pe	- 35.6	a	22	L	Em PL neb.
9625	43 ⁵⁵ 2639	151188		42.4	+43	35	8.3	.....	dK6	- 7.1	b	3	W	
9626	22536	151090		42.6	+06	11	6.7	.343	dG6	- 5.6	a	14	WV	[6 7740A *
9627	B _β 7740B	.....		42.6	+06	11	9.0	.....	dK5	- 4	d	4	W	SB (38)
9628	22537	151061		42.6	-03	00	7.2	.027	gM5	- 8	c	6	WL	*
9629	22540	151541		42.7	+68	11	7.6	.511	dG7	+ 6.4	b	3	W	
9630	33 ³⁴ 2775	151216		42.8	+33	24	9.1	.01	sgK1	- 15.5	b	5	W	
9631	22546	151133		43.0	+01	07	6.0	.008	B9n	- 14	c	7	VW	#
9632	22548	151746		43.0	+73	59	6.8	.037	A2	- 10	c	7	D	
9633	22549	150898		43.1	-58	15	5.8	.032	BOn	- 51.0	b	9	L	
9634	22552	151237		43.1	+28	27	7.2	.034	gF5	- 46	c	7	WS	SB (19) *
9635	22553	151203		43.1	+15	50	5.8	.056	gM3	- 18.8	b	5	WV	*
9636	UV Her	151204		43.2	+12	13	8.3v	.....	gM6e	0	c	3	W	Em -14 *
9637	C 2238	151288		43.2	+33	35	8.6	".37*	dMG	- 30.5	b	3	W	
9638	22557	151018		43.3	-45	48	8.9	.058	B0	- 48	d	2	JMd	
9639	10 ⁸ 3065	151370		43.3	+09	54	9.3	.013	AO	- 48	c	2	L	
9640	a TrA	150798		43.4	-68	56	1.9	.044	K5	- 3.6	a	27	LC	*
9641	22560	151217		43.4	+08	40	5.4	.010	gMO	- 21.1	a	10	LW	*
9642	22564	151388		43.6	+43	18	0.1	.056	gK4	- 13	c	8	DW	SB *
9643	22569	151367		43.8	+30	06	8.7	.063	dF1	+ 7.8	b	3	W	
9644	22570	151179		43.8	-25	26	6.6	.022	gG6	+ 2	c	5	W	
9645	42 ⁵⁵ 2745	151445		43.9	+42	32	8.0	>.036	sgF5	+ 2	c	2	L	
9646	45 ³³ 2449	.....		43.9	+45	43	8.1	.003	gM4	- 27.1	b	4	W	
9647	A 1Q203A	151428		44.0	+35	43	7.3	B062	cJF6	+ 3	c	6	JWS	SB •
9648	A 1Q203B	.....		44.0	+35	43	9.7	.....	dKO	- 3	c	3	W	
9649	34 ⁴¹ 2839	151482		44.3	+33	54	8.1	.02	A4n	+ 1	c	6	W	
9650	22584	151613		44.3	+56	52	4.3	.065	dF1	0.0	b	9	L	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'			km/sec					
9651	NGC 6218	151392	16	44.6	-01	52	.....	.....	F7	+ 36	c	4	L	
9652	N 6218-1	.....		44.6	-01	53	<u>11.9v</u>	.....	F8-G5	- 42	c	8	W	
9653	22592	151431		44.6	+02	09	6.0	0.024	A2n	-- 6.2	b	3	V	
9654	42° 2747	151604		44.9	+41	52	8.2	*•<	AOp	- 17	c	2	V	
9655	46° 11044	151300		45.1	-47	05	<u>9.5</u>	.....	06	- 47	d	2	Md	
9656	22599	151415		45.2	-24	26	7.5	.014	gMO	- 75.0	b	3	W	
9657	22601	151451		45.2	-20	52	8.7	.110	gF5	+ 45.5	b	4	L	
9658	22604	152303		45.3	+77	36	6.0	.212	dF2	+ 7.4	b	7	DW	*
9659	22605	151525		45.3	+05	20	5.3	.047	AOp	- 16.1	b	14	4	*
9660	? Ara	151249		45.5	-58	57	3.7	.054	K5	+ 9.0	a	12	LC	*
9661	NGC 6229	.....		45.6	+47	37	.....	.....	dF8	-150	c	6	LLw	Glob. cl. *
9662	22611	151732		45.7	+42	20	6.2	.029	M4	- 7.4	b	4	D	
9663	22615	151837		45.8	+55	30	7.0	.029	gK5	- 7.0	b	5	W	
9664	22616	151627		45.8	+13	41	6.3	.025	gG7	+ 0.6	b	8	SV	*
9665	RR Oph	151592		46.1	-19	23	7.8v	.....	gM4e	+ 60	c	2	W	Em +50 *
9666	10° 3078	151734		46.5	+10	04	9.1	.013	K0	- 29	d	1	L	
9667	22629	151658		46.6	-21	46	7.6	.027	gM2	-102	c	4	W	
9668	22636	151877		46.8	+37	06	8.2	.392	dKO	+ 3.4	b	4	W	
9669	€ sco	151680		46.9	-34	12	2.4	.664	gG9	- 2.5	a	44	CL	*
9670	22641	151441		47.0	-65	17	6.3	.017	B8n	- 10	c	3	L	
9671	22643	151769		47.1	-10	42	4.7	.135	dF5	- 0.6	a	8	LS	*
9672	TT Oph	.....		47.1	+03	43	<u>9.8v</u>	.....	cG8ev	- 50	b	13	W	RV 61.1 *
9673	22648	151862		47.3	+13	21	6.0	.043	A0	- 23.3	b	7	V	
9674	22650	151937		47.3	+30	03	6.7	.100	gK1	- 43.2	b	4	W	
9675	45° 2453	152030		47.4	+45	18	8.7	.050	dF2	- 6.2	b	4	W	
9676	22656	151879		47.6	+09	30	7.0	.011	G5	- 26.4	b	3	S	
9677	22662	152107		47.8	+46	04	4.9	.066	A4p	- 1.0	a	20	5	*
9678	22664	151956		47.9	+07	20	5.5	.051	A0	- 3.6	b	36	4	*
9679	22668	151884		48.0	-16	28	7.0	.018	B6n	- 13	c	4	W	
9680	22669	151804		48.1	-41	09	5.4	.005	O9e	- 62.5	b	12	3	IS -10 c *
9681	22671	152153		48.1	+43	31	6.4	.026	K0	- 19.8	b	4	D	
9682	i± Sco	151890		48.5	-37	58	3.1	.033	B3n	- 25	d	33	Hd	Orb. Maury
9683	10° 3083	152112		48.7	+09	58	7.3	.022	gM3	- 45.4	b	4	L	
9684	22682	152173		48.7	+29	53	5.9	.010	gM1	- 10.2	b	11	VW	*
9685	22683	152113		48.7	+09	29	7.0	.138	dF4	- 34.6	b	3	W	
9686	22684	151932		48.8	-41	46	6.6	.021	OW7	+ 25	c	22	MdL	Em IS -10 c *
9687	22685	152224		48.8	+32	38	6.3	.042	K0	- 30	c	7	D	SB (64)
9688	22688	152127		48.9	+01	18	5.5	.028	A2	- 26.3	b	23	5	*
9689	22600	152155		48.9	+15	53	7.2	.018	A2	- 23	c	7	S	
9690	22691	151985		48.9	-37	56	3.6	.031	B2	+ 2.0	b	9	L	
9691	22694	152262		49.0	+41	59	6.3	.101	gK3	- 36.8	b	3	V	
9692	22697	152003		49.3	-41	42	7.2	.011	cBO	- 28	d	2	Md	IS -5 c
9693	41" 10986	152042		49.4	-41	29	9.1	*••	cB2	- 30	d	2	Md	IS -2 c
9694	22703	152210		49.5	-02	43	7.0	.031	A3	+ 2	c	6	S	
9695	41° 10991	152076		49.6	-41	39	9.5	.....	cBO	- 30	d	2	Md	IS -3 d 1
9696	S Her	152278		49.6	+15	01	5.9v	.015	gM5e	- 10	c	3	Mi	Em -21 *
9697	22708	152326		49.7	+24	44	5.2	.012	pK1	- 15.7	a	6	LW	m
9698	22714	152308		49.8	+15	03	6.4	.012	A0B	- 22.8	b	3	W	
9699	22715	152380		49.9	+28	45	6.7	.028	dP5	- 24.4	b	3	W	
9700	41° 11003	152147		50.0	-42	02	8.1	.....	cBO	- 28.0	b	5	Md	IS +2 c 3

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	o	'		//	km/sec					
9701	41° 11022	152218	16	50.4	-41	38	7.4	.....	cO9	- 44	d	5	Md	IS -4 c *
9702	22728	152391		50.5	+00	05	6.8	1.672	dG9	+ 41.2	b	3	W	
9703	22729	152235		50.5	-41	55	6.2	0.022	cBO	- 36	c	4	Md	IS -20 c 3
9704	22730	152236		50.5	-42	17	4.9	.008	cB1e	- 26.2	b	4	L	IS -11 d W1
9705	22731	152311		50.5	-20	20	5.9	.061	dG3	- 16.7	b	3	W	
9706	22733	152234		50.5	-41	44	5.3	.016	cO9	- 6	c	15	3	IS -10 c *
9707	22734	152233		50.5	-41	43	7.2	.026	cO8	- 16.0	b	8	3	IS -6.1 b *
9708	41° 11035	152247		50.6	-41	34	9.5	.....	cBO	- 16.6	b	4	Md	IS -10 c 3
9709	22736	152248		50.7	-41	45	6.8	.023	cO9	- 35.0	b	39	Md	IS -11.6 b 33
9710	22737	152249		50.7	-41	46	6.0	.044	cBO	- 24.1	b	20	3	IS -6.9 b *
9711	41° 11037	.....		50.7	-41	43	8.5	.....	cO9	+ 23	e	1	Md	IS -22 d
9712	41° 11042	.....		50.8	-41	43	8.5	.....	cBO	-101	e	2	Md	IS -17 c
9713	22742	152270		50.8	-41	44	6.7	*.020	WC6	- 44	b	44	Md	IS +7 c *
9714	22743	153372		50.8	+79	35	6.9	.029	gK1	- 28.7	b	3	W	
9715	41° 11044	.....		50.9	-41	44	7.2	.....	cB2	- 38	d	2	Md	IS -8 e
9716	41° 11050	152314		51.0	-41	44	8.8	.....	cBO	- 34	c	2	Md	IS -8 c
9717	€ UMi	153751		51.0	+82	07	4.4	*.014	gG1	- 11.4	a	42	0	Orb. Plaskstt
9718	22750	153143		51.1	+75	28	7.6	.059	dF1	- 28	c	6	W	SB (29)
9719	J Sco	152334		51.1	-42	17	3.8	.269	gK5	- 19.0	b	11	3	*
9720	22752	152598		51.1	+31	47	5.4	.102	dA8	- 21.8	a	11	3	*
9721	22754	152484		51.1	-04	14	7.7	.117	gG9	+ 45	d	2	L	
9722	22767	152405		51.4	-40	27	7.3	.021	B0	+ 19	e	1	W	IS -5 d
9723	22768	152408		51.5	-41	04	6.0	.025	O7e	-138	c	6	MdL	IS -10.0 b *
9724	22769	152386		51.5	-44	55	8.1	.029	O8	- 17	c	3	Md	IS -13 c
9725	15° 3075	152599		51.5	+15	10	9.0	.026	F8	- 18	c	2	L	
9726	22771	152424		51.5	-42	01	6.6	.018	cBO	- 18	c	3	Md	IS 0 c 2
9727	22773	152569		51.6	-01	32	6.2	.077	FOh	- 20	c	4	S	
9728	l Oph	152614		51.6	+10	15	4.3	.067	B8n	- 21	c	13	LY	SB 2-sp *
9729	21° 4443	152516		51.6	-21	48	8.1	.024	B3	- 30	c	9	L	
9730	22778	152534		51.8	-23	26	7.0	.040	gG7	- 26.5	b	3	W	
9731	15° 3077	152654		51.9	+15	42	7.2	.010	F5	- 32.1	b	3	S	
9732	22782	152812		51.9	+47	30	6.3	.107	K0	- 63.3	b	4	D	
9733	22783	152601		51.9	-06	04	5.4	.045	gK2	- 17.2	b	8	LW	*
9734	22785	152792		52.0	+42	55	6.7	.350	dGO	+ 7.4	b	10	VW	*
9735	RS Sco	152476		52.0	-45	01	6.0v	.042	gM6e	+ 7.4	b	6	L	Em -5.8 b *
9736	XT Her	.....		52.1	+16	55	9.7v	.033	A3	+ 21.8	a	18	W	EB 0.91 *
9737	Ross 644	.....		52.2	+11	59	10.5	.65	dM2	- 61	c	2	W	
9738	22790	152478		52.3	-50	36	6.6	.025	B3ne	+ 28	c	3	L	
9739	30° 2900	152794		52.3	+30	31	8.2	.030	sgFO	- 15	c	2	L	
9740	AI Her	.....		52.4	+49	02	10.5	.....	gM6e	- 25	d	1	W	Em P405
9741	22801	152636		52.7	-33	26	6.4	.022	K2	- 92	d	1	L	
9742	22802	152815		52.8	+21	02	5.5	.053	gG7	- 2.6	b	8	3	*
9743	22805	152751		52.8	-08	15	9.9	1.195	dM3e	+ 19	b	26	W	
9744	Wolf 629	.....		52.8	-08	15	11.9	1.26	sdM4	+ 25	c	5	W	SB (33)
9745	22807	152051		52.9	+46	37	6.7	0.031	A2	- 2	c	10	D	SB
9746	22808	152830		53.0	+13	42	6.2	.051	F2	- 5.0	a	27	VS	Orb. *
9747	22810	152863		53.0	+25	49	6.3	.028	gG4	+ 1.1	a	10	VW	*
9748	28° 2633	152877		53.0	+28	12	7.1	.028	F2	- 36.9	b	5	D	
9749	29° 2902	152896		53.1	+29	07	7.3	.033	A0	+ 1.6	b	4	D	
9750	22813	152667		53.1	-40	45	6.4	.012	O9	+ 51	e	1	W	IS -6 d

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
9751	22814	152796	16	53.1	-06	03	7.5	0.066	G9	- 54	d	1	V	
9752	22815	152781		53.1	-16	44	6.5	.086	sgK2	- 2.7	b	3	W	
9753	22816	152879		53.2	+18	31	5.6	.112	gK5	+ 12.3	b	9	VW	*
9754	22817	153166		53.3	+60	27	7.2	.024	gK3	- 42.2	b	3	W	
9755	22819	152723		53.4	-40	27	7.2	.014	O8	+ 14	e	1	W	IS -8 d
9756	RR Sco	152783		53.4	-30	30	5.0v	.028	gM6e	- 36	c	7	L	Em -44.9 b *
9757	K180-1052	.....		53.7	-43	39	9.2	.....	B0	- 27	d	2	Md	IS -27 d
9758	22838	153344		54.3	+62	11	7.0	.334	dG4	- 82.1	b	4	W	
9759	UU Oph	152912		54.3	-25	43	10.0v	.....	A0	+ 50	b	23	Md	EA 4.40 *
9760	6° 3318	153033		54.4	+06	35	7.5	.045	gK5	- 41.7	b	3	L	
9761	22841	152824		54.4	-50	34	5.7	.057	B9n	- 44	c	2	L	
9762	22843	153720		54.5	+75	28	6.8	.038	F0	- 8	c	5	D	SB 2-sp
9763	J' Ara	152786		54.5	-55	55	3.1	.042	K5	- 6.0	a	10	LC	*
9764	NGC 6254	153020		54.5	-04	02	7.6	.. * .	GO	+ 73	c	5	LLw	Glob. cl. *
9765	N 6254-2	.....		54.5	-04	00	11.9v	.....	F5-G2	+ 67	c	7	W	
9766	N 6254-1	.....		54.5	-04	02	13.2v	.....	G0-G4	+ 81	d	2	W	
9767	22849	153286		54.7	+47	27	6.9	.048	A4p	- 18.3	b	5	D	
9768	22850	153845		54.8	+76	56	7.2	.008	F2	- 1.5	b	5	D	
9769	22852	153299		54.8	+50	07	6.7	.028	gM2	- 31.4	b	7	DW	*
9770	74° 690	153752		54.9	+74	22	7.6	.....	dFO	- 21.2	b	3	W	
9771	RV Sco	153004		55.0	-33	32	7.0v	.040	cGOv	- 22	b	19	WL	Cep 6.06 *
9772	22861	153226		55.2	+13	58	6.5	.110	K0	- 30.7	b	4	D	
9773	SS Oph	153167		55.2	-02	41	8.0v	.....	gM4e	- 34	c	2	W	Em -43 *
9774	18° 4365	.....		55.3	-19	09	9.2	.025	B1	+ 24	d	2	Md	IS -34 e
9775	K Oph	153210		55.3	+09	27	3.4	.293	gK2	- 55.6	a	14	4	*
9776	22866	153287		55.5	+25	26	6.7	.008	gG5	+ 8.6	b	3	W	
9777	£ Ara	152980		55.6	-53	05	4.2	.011	M1	+ 23.1	a	8	LC	*
9778	22870	153312		55.6	+24	27	6.4	.031	K0	- 21.8	b	4	D	
9779	4° 4206	153240		55.7	-04	16	8.0	.053	dF6	- 22	c	2	L	
9780	22871	153597		55.7	+65	13	4.8	.241	dF6	- 22.6	a	36	O	Orb. Harper
9781	15° 3088	153301		55.8	+15	14	8.2	.028	gG9	- 11.5	b	3	W	
9782	CC 1014	.....		56.1	+25	49	9.7	.56	dM2	+ 11	c	3	W	
9783	22881	153697		56.2	+65	07	7.0	.053	dFO	- 21	c	7	DW	SB *
9784	22882	153472		56.3	+42	35	6.4	.060	K0	+ 28	c	7	DV	SB *
9785	22890	.....		56.5	+68	06	9.3	.262	dG4	- 15.8	b	3	W	
9786	22898	153336		56.9	-25	01	5.9	.014	gM3	- 32.1	b	5	W	
9787	42° 11737	153295		56.9	-42	15	9.1	.....	BO	+ 7	e	1	Md	
9788	22905	153363		57.1	-24	55	5.8	.087	dF3	+ 19.3	b	3	W	
9789	22910	154099		57.3	+73	12	6.2	.025	A4n	- 7	c	8	DV	*
9790	22915	153540		57.4	+10	59	7.3	.022	gK4	- 17.5	b	3	L	
9791	22919	154181		57.6	+74	22	7.2	.110	F5	- 9.3	b	4	D	
9792	20° 3370	153599		57.6	+19	55	9.0	.030	K0	- 45	d	1	L	
9793	29° 2915	153650		57.6	+29	37	7.8	.015	A1	+ 3	c	5	W	SB (28)
9794	22923	153698		57*9	+27	23	7.3	.028	gM3	- 22.4	b	6	WL	*
9795	22924	154159		57.9	+71	32	8.0	.225	dGO	- 19.2	b	3	W	
9796	38& 2872	1537771		58*0	+37	56	8.1	.05	sgF2	- 12	d	2	L	
9797	22927	153653		58.0	+06	39	6.4	.058	A5	- 10	c	15	V	SB (75)
9798	NGC 6266	153516		58.1	-30	03	8.2	»«»*	dF8	- 81	c	6	LLw	Glob. cl. *
9799	22933	153807		58.3	+34	25	7.0	.023	G5	- 16	c	3	S	
9S00	ε Her	153808		58.4	+31	00	3.9	.055	A0	- 25.1	b	211	AO	Orbits *

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.	Decl.								
9801	22937	153687	16 58.4	-04 09	5.0	0.096	gK4	- 6.7	a	5	L	
9802	22938	153956	58.4	+56 46	6.1	.058	gK1	- 15.0	b	3	W	
9803	22940	154528	58.5	+77 44	6.7	.024	A0	- 4	d	5	D	SB (134)
9804	6° 4538	153688	58.5	-06 57	7.5	.014	K2	- 69	e	1	V	
9805	n 4634	153655	58.6	-21 44	9.5	....	Pd	- 34.4	b	6	L	Em PL neb.
9806	RV Her	.....	58.6	+31 18	9.0v	....	gM2e	- 40	c	3	W	Em -50 c *
9807	22942	153613	58.6	-32 04	5.1	.054	B8n	+ 15	c	5	L	
9808	WZ Dra	.....	58.7	+52 24	10.5v	....	gM6e	- 46	b	3	W	Em -60.7 *
9809	16° 3083	153809	58.8	+16 40	7.2	.043	A1	- 0.2	b	5	S	
9810	22948	153834	58.9	+22 42	5.7	.030	gK3	+ 11.3	b	9	VW	*
9811	22951	153727	58.9	-18 49	6.4	.047	gK0	+ 43.2	b	3	W	
9812	20° 4612	153741	59.1	-20 31	7.6'	.009	cG6	- 27	c	2	L	
9813	22956	153580	59.1	-53 10	5.4	.148	F5	+ 7.0	b	5	L	
9814	22957	153897	59.2	+27 16	6.4	.070	dF5	- 31.4	b	8	DV	*
9815	22960	153882	59.3	+15 01	6.2	.014	AOp	- 32.4	b	5	V	
9816	22962	154319	59.3	+69 16	6.5	.042	G0	- 26.8	b	4	D	
9817	SY Her	.....	59.4	+22 33	9.5v	....	gM3e	+ 13	d	1	W	Em P117
9818	MSB 58	.....	59.4	-32 35	9.0	....	Ne	+ 1	d	2	W	Em -19
9819	NGC 6273	153799	59.5	-26 11	8.3	....	dF2	+102	c	6	LLw	Glob. cl. *
9820	22971	153914	59.6	+08 31	6.2	*.036	A0	- 1	c	12	V	SB (82)
9821	22975	154029	59.8	+33 38	5.3	.008	A3	- 12.5	a	49	6	*
9822	22983	153716	17 00.1	-57 39	5.9	.036	B5	+ 6.0	b	3	L	
9823	RT Sco	153858	00.2	-36 51	7.3v	....	gM6e	- 53	d	1	W	Em -67 *
9824	22984	154015	00.2	+09 53	6.9	.081	A5	- 9	c	8	S	
9825	22985	154084	00.3	+25 34	6.0	.098	gG7	- 50.4	b	7	SW	*
9826	22990	154126	00.4	+31 57	6.6	.051	K0	- 13.1	b	4	D	
9827	29° 2924	154127	00.4	+29 22	7.5	.006	A3n	- 27.0	b	3	W	
9828	22993	154100	00.5	+20 48	7.1	.010	gM3	-13.1	b	4	W	
9829	22998	154391	00.6	+60 43	6.2	.079	K0	- 16.6	b	4	D	
9830	30° 2925	.....	00.8	+29 53	8.5	.042	dF4	- 13.1	b	4	W	
9831	23002	154143	00.8	+14 10	5.1	.073	gM3	+ 43.4	b	12	3	*
9832	23004	154160	00.9	+14 35	6.5	.258	G7	- 55.7	b	4	D	
9833	29° 2927	154227	01.0	+29 34	8.0	.007	gK3	- 3.1	b	3	W	
9834	23011	154345	01.2	+47 08	6.7	.849	dKO	- 46.2	b	3	W	
9835	23012	154088	01.3	-28 31	6.7	.280	dG8	+ 16.7	b	3	W	
9836	23014	154228	01.4	+13 40	5.9	.049	A2	- 32	c	17	4	*
9837	NGC 6284	.....	01.5	-24 41	10.6	....	G1	+ 22	e	4	L	Glob. cL
9838	TX Oph	.....	01*5	+05 03	9.8v	....	cG2ev	-165	b	11	W	RV 138? *
9839	23019	154090	01.5	-34 03	4.9	.009	cB1e	+ 8	c	7	LW	IS -3.4 b *
9840	17° 3154	154276	01.6	+17 16	B.B	.291	sdG1	- 51	c	3	Md	
9841	II 4637	154073	01.6	-40 48	....	....	Pd	+ 15	c	4	L	Em PL neb.
9842	23025	154278	01.7	+13 38	6.1	.136	gG9	+ 45.6	a	11	3	*
9843	23028	154301	01.7	+19 46	6.6	.023	K5	- 39.3	b	4	D	
9344	23029	154356	01.7	+35 29	6.8	.052	gM4	- 11.9	b	3	W	
9845	23033	154212	01.8	-11 01	7.1	.021	gK2	- 24.2	b	3	W	
9846	23034	154204	01.8	-20 26	6.2	.031	B9n	- 11	c	4	W	
9847	23035	154633	02.0	+64 40	6.1	.058	dG5	- 24.7	b	6	VW	*
9848	23037	154431	02A	+34 52	0.0	.071	A3	- 17	d	4	V	SB 2-sp
9849	73° 755	154928	02.2	+73 23	7.7	.01	gK5	- 5.4	b	3	W	
9850	23043	154863	02.4	-04 59	7.9	1.451	dMO	+ 28.5	b	3	W	

Cat. No.*	Star	H.D. No.	1950				Magn.	R. IV.	Spec.	V.I.	Q	No. Pl.	O . .	Notes
			R.A.	Decl.										
			h	m	°	'			km/sec					
9851	23046	154441	17	02.5	+19	40	6.1	0.009	A0	- 25	c	11	VS	*
9852	23048	154712		02.6	+59	39	9.1	.436	dK5	- 73.7	b	4	W	
9853	46° 2258	154578		02.6	+46	10	8.0	.221	dF7	+ 28	c	2	L	
9854	CC 1018	.....		02.7	-05	00	10.0	1.44	dM3	+ 30	c	3	W	
9855	23050	154417		02.7	+00	46	5.9	0.342	dF8	- 17.5	a	16	3	*
9856	23051	154510		02.8	+28	10	7.2	.014	gKO	+ 2	c	7	DW	SB (13) *
9857	29° 2933	.....		02.8	+29	44	8.1	.014	pK4	- 7	c	4	W	SB (21)
9858	23058	154445		03.0	-00	50	5.6	.005	B3	+ 15	c	15	3	IS -17 c *
9859	BF Oph	154365		03.0	-26	31	7.6v	.003	cG5v	- 31.5	b	9	V	Cep 4.07 *
9860	+0° 3630	154467		03.0	+00	43	9.0	.004	A3	- 40	e	1	L	
9861	23061	154494		03.1	+12	48	4.9	.048	A3n	- 4.2	b	20	4	*
9862	23063	154368		03.1	-35	23	6.3	.015	B1	+ 13	c	3	L	
9863	42° 11832	154313		03.2	-42	16	10.1	.....	O8	- 29	c	3	Md	IS -50 e
9864	23066	155154		03.2	+75	22	6.3	.086	F0	+ 1	d	3	V	SB (25)
9865	23071	154732		03.5	+48	52	6.3	.083	gK1	+ 12.3	a	115	WV	Orb. Christie *
9866	26° 2946	154617		03.5	+26	32	8.1	.025	sgF5	- 24	c	2	L	
9867	23073	154713		03.6	+43	53	6.4	.004	A0	- 8.7	a	14	VD	*
9868	29° 2935	154651		03.7	+29	42	7.6	.005	A0	- 10.1	b	5	W	
9869	23078	154611		03.7	+08	41	7.0	.033	K5	- 3	d	1	V	
9870	23080	154610		03.8	+09	48	6.6	.023	K5	- 5.5	b	4	D	
9871	47° 2426	154759		03.8	+47	02	8.1	.010	gK3	- 52.5	b	3	W	
9872	23084	154619		03.9	+10	31	6.5	.046	G6	- 23.9	b	4	D	
9873	20° 3393	154674		04.0	+20	00	9.2	.028	G5	+ 1	d	1	L	
9874	23089	154733		04.2	+22	09	5.7	.111	gK5	- 96.0	a	10	W	*
9875	WZ Oph	154676		04 _e 2	+07	51	<u>9.7</u> v	.011	G0+G0	- 16.3	a	24	W	EA 4.18 *
9876	23091	154660		04.3	-01	35	6.2	.050	A2n	+ 7	c	6	W	
9877	A 10345B	154905		04.3	+54	32	5.8	•#••	dF6	- 18.3	a	11	L	sp
9878	fj. Dra	154906		04.3	+54	32	5.8	.110	dF6	- 15.4	a	11	L	A 10345A
9879	7° 3303	154694		04.3	+06	54	9.8	* ...	dF4	- 40.8	b	3	W	
9880	23095	.....		04.5	+06	52	9.3	.070	dK2	- 31.2	b	3	W	
9881	23097	154734		04.5	+06	52	9.1	.054	gK3	- 30.4	b	3	W	
9882	R Oph	154721		04.9	-16	02	6.2v	.023	gM5e	- 47	b	3	W	Em -58 *
9883	23106	154888		04.9	+35	23	7.2	.027	A0	- 18.7	b	5	S	
9884	23116	154779		05.3	-17	33	6.1	.031	gKO	- 13.7	b	3	W	
9885	23120	154895		05.6	-01	01	6.0	.044	AOn	- 21	c	10	3	*
9886	23123	154931		05.9	+04	29	7.2	.215	dF8	- 17.9	b	3	W	
9887	23125	154974		06.0	+16	09	6.7	.063	F6	- 25.8	b	8	DS	*
9888	23127	155061		06.1	+31	16	6.6	.016	K2	- 9.9	b	3	S	
9889	23128	155102		06.1	+40	35	6.3	.054	A8	- 7.4	b	6	V	
9890	23132	155103		06.3	+36	00	5.4	.032	A5	- 29.9	b	15	3	*
9891	23135	155092		06.4	+28	18	7.0	.133	F3	+ 3.7	b	9	DS	*
9892	23137	155104		06.5	+24	33	6.8	.053	A0	+ 21	c	9	V	SB
9893	10° 3150	155075		06.7	+09	56	9.1	.030	K0	- 41	d	1	L	
9894	23145	155078		07.0	-10	28	5.6	.124	dF5	- 3.3	b	3	W	
9895	23147	155328		07.1	+50	54	6.3	.022	B9	- 15.2	b	5	V	
9896	23148	154948		07.1	-44	30	5.1	.070	G2	- 6.8	b	4	L	
9897	NGC 6293	155009		07.1	-26	30	9.4	.....	A9	- 73	c	4	L	Glob. cl.
9898	BG Her	.....		07.3	+18	44	<u>9.1</u> v	.....	cM3e	- 11	d	1	W	Em P347
9899	23150	155105		07.3	-08	28	8.0	*.065	dG3	- 33	c	2	L	
9900	I7 Oph	155125		07.5	-15	40	2.6	.097	A*	- 0.9	a	13	TL	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'			km/sec					
9901		23160	155513	17 07.5	+61	13	6.7	0.063	F5	- 7.0	b	5	D	
9902	II	4642	154952	07.6	-55	20	9.9	... »	Pf	+ 44	c	3	L	Em PL neb.
9903		23171	155344	07.9	+26	31	7.0	.009	K0	+ 3.0	b	4	D	
9904		23172	155410	07.9	+40	50	5.1	.054	gK3	- 56.2	b	16	3	SB *
9905	41°	11340	155134	08.0	-41	44	9.3	....	B2	- 18	c	3	Md	IS -20 c
9906		23178	155375	08.4	+12	32	6.5	.034	AO	+ 4.5	a	35	V	Orb. Harper
9907	7)	Sco	155203	08.6	-43	11	3.4	.293	A7n	- 28.4	b	4	L	
9908		23181	155456	08.6	+24	35	8.3	.313	dKO	- 56.5	b	3	W	
9909	cx	Her	.....	08.6	+27	39	7.8v	.....	gM7	- 42	e	4	W	SR 128
9910	5	Dra	155763	08.6	+65	47	3.2	.026	B8	- 14.1	a	12	LY	*
9911	RT	Her	155481	08.8	+27	08	8.5v	.....	gM5e	- 66	c	2	W	Em -76 *
9912		23184	155259	08.8	-39	27	5.6	.076	AOn	+ 12	d	3	L	
9913		23191	155514	09.0	+24	18	6.2	.031	A3	- 2.2	b	6	V	
9914	81°	574	156648	09.0	+81	26	8.6	....	dG5	+ 3.9	b	3	W	
9915	32°	12444	155336	09.1	-33	02	10.0	....	B2	+ 1	d	2	Md	IS -16 c
9916	-0°	3239	155467	09.3	-00	56	8.1	.093	dF7	- 11	c	2	L	
9917		23199	155500	09.3	+07	57	6.4	.027	K0	- 5.7	b	4	D	
9918		23200	155711	09.4	+52	28	6.1	.018	B9	- 42	c!	3	V	
9919		23208	155581	09.7	+14	33	7.4	.021	gK5	+ 13.2	b	3	L	
9920		23209	155450	09.7	-32	23	6.0	.020	B2	+ 7	d	3	L	
9921	A	10394B	.....	10.0	+21	17	8.5	.045	sgKQ	+ 0.2	b	3	W	
9922	A	10394A	155642	10.0	+21	17	7.4	.022	gK2	- 48.8	b	3	W	
9923		23220	155644	10.1	+10	39	5.6	.031	gM2	+ 25.6	b	3	W	
9924		23228	155646	10.3	+00	25	6.5	.084	F5	+ 58.0	b	7	DS	*
9925		23229	155860	10.4	+49	48	6.0	.033	A0	- 11.3	b	3	V	
9926	NGC	6302	155520	10.4	-37	03	9.1	....	Pe	- 35.7	b	3	L	Em PL neb.
9927	CC	1023	155876	10.7	+45	45	10.1	1.56*	dM4	- 18	c	4	W	
9928	NGC	6309	155752	11.2	-12	52	.....	.....	Pe	- 47	e	4	L	Em PL neb.
9929	VZ	Her	.....	11.3	+36	02	10.1v	0.023	.....	-130	c	2	W	RR 0.44
9930	NGC	6304	.....	11.4	-29	24	9.8	....	G3	- 98	c	5	L	Glob. cl.
9931	CC	1025	.....	11.5	+42	24	10.2	1.07	dM1	+ 6	c	6	W	
9932	AK	Her	155937	11.7	+16	25	8.4v	0.056	F8	- 13	b	15	W	EB 0.42 *
9933		232*62	156110	12.0	+45	26	7.4	.020	B3	- 43.1	b	6	V	
9934	42°	2811	156074	12.0	+42	11	7.7	.065	RO	- 16.4	b	8	WMi	*
9935		23263	155806	12.0	-33	30	5.5	.009	O8e	+ 4.5	b	4	L	IS -4.6 b *
9936	TT	i3ra	156205	12.0	+57	55	8.5v	.006	gM6	- 23	c	5	W	SR 107
9937		23264	156162	12.0	+54	12	7.0	.100	dFO	- 18.3	b	3	W	
9938		23265	155967	12.1	+14	37	8.1	.004	G.F4	- 15.8	b	6	WL	*
9939		23266	156295	12.1	+62	56	5.5	.050	A3	- 3	c	14	3	*
9940		23270	155826	12.2	-38	32	6.1	.454	CF9	- 51	c	3	Md	
9941	A	10417A	155886	12.3	-26	32	5.3	1.240	dK2	- 0.7	n	13	LW	*
9942	A	10417B	155885	12.3	-26	32	5.3	1.236	dK1	- 0.2	a	8	L	
9943	V4-38	Oph	.....	12.3	+11	07	9.5v	.....	gM7e	- 7	d	1	W	Em P288
9944	a	Her	156014	12.4	+14	27	3.5	0.032	gM5	- 33.1	a	47	6	A 10418A *
9945	A	10418B	156015	12.4	+14	27	5.4	.040	dF8	- 36.7	a	28	W	Orb. Sanford
9946	UW	Her	156163	12.7	+36	25	7.5v	.014	eM5	- 17	c	3	W	SR 81
9947		23290	156558	12.8	+69	22	8.3	.185	dG4	- 54.8	b	3	W	
9948	5	Her	156164	13.0	+24	54	3.2	.164	AOn	- 41	c	19	3	A 10424A *
9949	A	10424B	.....	13.0	+24	54	8.3	.....	dG4	- 4	c	3	W	
9950	40°	11270	155959	13.1	-40	49	8.7	....	B0	- 13	C	2	Md	IS -24 c

Cat. No.	Star	KB. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
9951	A 10417C	156026	17	13.1	-26	29	6.7	1.229	dK5	- 6	c	6	3	*
9952	15° 3141	156144		13.2	+14	58	8.3	0.030	gG7	- 17	c	4	W	
9953	42° 2813	156282		13.2	+42	18	7.9	.080	dF8	- 1	d	1	L	
9954	23300	156389		13.2	+56	11	7.9	.008	dF4	- 2.9	b	3	W	
9955	r Her	156283		13.3	+36	52	3.4	.029	gK5	- 25.7	3	10	3	*
9956	23306	156115		13.4	-15	10	6.8	.020	gMO	- 8.2	b	3	W	
9957	23309	156284		13.6	+23	48	6.1	.032	gK2	- 41.9	b	7	DW	*
9958	23312	156208		13.7	+02	14	6.0	.025	A0	- 7	c	5	V	
9959	23313	156098		13.8	-32	36	5.6	.111	F5	- 35.8	b	3	L	
9960	U Oph	156247		14.0	+01	16	6.0v	.020	B5n	- 10.5	b	14	V	IS -17.8 b *
9961	23318	156134		14.0	-35	30	8.1	.015	cBO	- 22	e	2	Md	IS +56 e
9962	23320	156266		14.0	-00	23	4.8	.075	gK4	- 2.3	a	9	LB	*
9963	16° 3139	156341		14.1	+16	43	7.5	.013	AOn	- 14	c	6	D	
9964	23326	156649		14.2	+63	24	7.4	.029	gK5	+ 16	c	3	L	
9965	14° 3213	156342		14.3	+14	44	8.0	.074	dG1	- 62.9	b	5	W	
9966	23329	156377		14.3	+18	04	6.9	.031	B9	+ 2	c	6	S	
9967	15° 3149	156431		14.8	+15	19	8.3	.018	A4	- 19	c	4	W	
9968	14° 3215	156432		14.8	+14	44	8.4	.013	dF7	- 43	G	4	W	SB (36)
9969	A 10442B	156350		15.0	-24	14	6.9	.077	dF5	- 28.4	b	4	W	
9970	A 10442A	156349		15.0	-24	14	5.4	.058	gK1	- 29.2	a	8	LC	*
9971	15° 3153	156483		15.0	+15	14	8.3	.014	A0	- 15.8	b	3	W	
9972	26° 2992	156536		15.0	+26	46	8.1	.051	sgF3	- 38	c	2	L	
9973	23346	156365		15.1	-24	01	6.7	.123	dG3	- 14.7	b	3	W	
9974	23347	156392		15.1	-12	16	8.2	.025	dF3	- 32.2	b	4	L	
9975	23348	156325		15.1	-32	30	6.4	.028	B6ne	- 14	d	4	L	
9976	26° 2994	156547		15.1	+25	57	7.1	.026	B9	0	c	5	S	
9977	23353	156274		15.3	-46	35	5.6	.998	dKO	+ 19	a	1	L	
9978	15° 4511	156461		15.4	-15	45	7.2	.056	sgG3	+ 19.0	b	3	W	
9979	23358	156890		15.5	+60	46	6.7	.031	gA9n	- 21.5	b	6	W	
9980	u Her	156633		15.5	+33	09	4.6v	.016	B3+B3	- 21.0	a	219	YA	EB 2.05 *
9981	23360	156593		15.5	+23	09	6.5	.007	K5	- 15.4	b	4	D	
9982	23362	156384		15.5	-34	56	5.9	1.176	dK5	0	c	6	WL	*
9983	NGC 6341	156711		15.6	+43	12	7.5	. . . .	A7n	-118	c	8	LLw	Glob. cl. *
9984	31° 2993	156651		15.6	+31	33	7.2	0.017	B5	- 15.0	b	5	V	
9985	23364	156652		15.6	+28	58	7.1	.001	gM2	- 37.9	b	4	W	
9986	23371	156653		15.9	+17	22	5.9	.020	A2	- 2	c	13	VD	SB (104) *
9987	VW Dra	156947		15.9	+60	43	6.0v	.044	gG9	+ 17	c	3	W	Irr
9988	23374	156729		15.9	+37	21	4.8	.068	Aln	- 9.9	b	37	3	*
9989	NGC 6333	156587		16.2	-18	28	8.9	. . . .	F1	+224	c	5	LLw	Glob. cl. *
9990	23382	156681		16.3	+10	55	5.3	.096	gK5	+ 39.5	b	7	LW	*
9991	23384	156697		16.4	+06	08	6.4	.016	FOn	- 25	d	4	D	
9992	t Aps	156100		16.5	-70	04	5.6	.023	B9	- 4.3	b	3	L	
9993	23390	156891		16.7	+38	52	6.0	.074	gG7	- 37.7	b	7	DW	*
9994	NGC 6326	156531		16.7	-51	42	. . . .	. . . .	Pd	+ 10.7	b	6	L	Em PL neb.
9995	y Aps	156277		16.8	-67	43	4.7	.032	K5	+ 12.6	a	5	h	
9996	23393	156874		16.8	+28	52	5.8	.043	gG8	- 13.6	b	7	WV	*
9997	10 ⁵ 3189	156799i		16.9	+10	07	9.5	.044	GO	- 2	d	i	L	
9998	23397	157370		17.0	+71	51	6.8	.007	RK2	- 3.5	b	3	W	
9999	Z Oph	156801		17.0	+01	34	7.5v	. . . *	gM2e	- 78	b	5	WMi	Em -92 *
10000	TX Her	156965		17.0	+41	56	8.1v	.017	A2+A2	- 5.4	bl	10	¥	EA 2.06 *

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	''	km/sec						
10001	2° 3295	156824	17	17.1	+02	37	8.6	0.048	dF1	+ 26	c	5	W	
10002	23404	156860		17.3	+02	11	6.9	.023	gM5	- 26.1	b	3	W	
10003	23406	156802		17.3	-07	58	8.0	.222	dGO	- 88.8	b	4	W	
10004	18° 4494	156779		17.3	-18	46	9.0	.002	B4	- 15.4	b	7	L	
10005	23413	156966		17.4	+27	20	7.1	.035	gM2	+ 58.9	b	3	W	
10006	40° 11335	.....		17.4	-40	19	9.3	....	N	- 9	c	2	W	
10007	28° 2722	156987		17.5	+28	04	7.0	*.008	A1	- 11	c	5	S	
10008	23422	156968		17.8	+09	31	8.2	.315	dGO	- 12.3	b	4	W	
10009	£ Oph	156897		18.0	-21	04	4.5	.314	dF2	- 9.1	a	7	LC	*
10010	6° 4581	156952		18.0	-07	03	8.8	.043	dG4	- 1.1	b	3	W	
10011	V Ser	156928		18.0	-12	48	4.4	.041	AOn	+ 4.8	b	20	4	*
10012	Ross 868	.....		18.1	+26	33	11.2	.47	dM4e	- 28	b	4	W	*
10013	23426	157049		18.1	+18	06	5.2	.062	gM2	- 46.0	a	14	3	*
10014	23427	157087		18.1	+25	35	5.3	.027	A2	- 5.1	b	14	3	SB *
10015	23438	157089		18.6	+01	29	7.0	.310	dGO	-162.2	b	8	WS	*
10016	23440	156992		18.6	-24	51	6.6	.057	gK1	- 12	c	3	W	
10017	23441	157151		18.6	+21	34	7.0	.005	A0	- 8	c	9	S	
10018	20° 4740	157031		18.7	-20	12	8.5	.060	dGO	- 10	c	2	L	
10019	23446	157214		18.8	+32	32	5.4	1.054	dG2	- 78.4	a	12	4	*
10020	23447	157198		18.8	+24	33	5.1	0.025	B9n	- 17	c	17	5	*
10021	20° 4742	157072		18.9	-20	31	7.1	.004	sgK4	+ 0.7	b	3	L	
10022	23450	157255		18.9	+32	43	6.8	.016	A2	- 28	c	8	S	
10023	9 Oph	157056		18.9	-24	57	3.4	.025	B2	- 3.6	b	57	3	*
10024	23452	157325		18.9	+46	17	5.8	.052	gMO	- 56.9	b	4	W	
10025	23461	157373		19.2	+48	14	6.3	.196	dF2	+ 30.9	b	4	V	
10026	23465	156838		19.3	-62	49	5.9	.014	B3	- 0.6	b	6	L	
10027	23466	157257		19.3	+16	47	6.6	.037	gM2	+ 38.8	b	6	DW	*
10028	i Ara	157042		19.5	-47	25	5.5	.024	B3ne	- 19	d	8	L	dbl Em only
10029	23474	157358		19.6	+28	48	6.3	.003	dF9	- 6	c	6	V	
10030	UZ Oph	.....		19.6	+06	57	10.5v	....	cK2ev	- 85	b	9	W	RV 87.4 *
10031	RS Her	157330		19.6	+22	58	7.2v	.021	gM5e	- 41	c	2	W	Em -51 *
10032	11° 3166	157297		19.6	+11	43	7.1	.006	A2	+ 10	c	6	S	
10033	23481	156942		19.8	-60	38	6.0	.010	B8	- 10	c	3	L	
10034	42° 2833	157463		19.9	+42	16	7.6	.017	gG5	+ 8	c	2	L	
10035	234B7	157482		20.1	+40	01	5.7	.070	dF9	+ 2.9	b	22	3	SB 2-sp *
10036	23492	157236		20.2	-28	06	5.4	.037	gK5	- 14.0	a	6	LC	*
10037	23499	157466		20.4	+24	56	6.8	.195	F5	+ 28	c	3	S	
10038	36° 11460	.....		20.4	-36	27	9.5	...	R3	- 67	e	2	W	
10039	23503	157243		20.6	-44	07	5.1	.036	B8n	+ 8	c	7	L	
10040	23505	157681		20.7	+53	28	6.0	.020	gK5	- 8.1	b	8	DW	*
10141	NGC 6356	157361		20.7	-17	46	9.7	....	gG2	+ 31	c	4	L	Glob. cl.
10042	29° 13477	.....		20.8	-29	17	9.0	....	N	- 24	b	3	W	
10043	9° 3381	157495		20.9	+00	31	7.1	*.032	A3	- 4.6	b	5	S	
10044	|8 Ara	157244		21.1	-55	29	2.8	.035	K1	- 0.4	a	12	LC	*
10045	y Ara	157246		21.2	-56	20	3/5	.017	Bin	- 4	c	4	L	
10046	23519	157498		21.2	-09	19	7.8	.038	dG1	- 37.7	b	3	W	
10047	17° 3242	157582		21.3	+16	57	7.6	.010	A1	- 21	c	6	D	
10048	23523	157606		21.3	+13	27	7.4	.052	gK4	- 8	c	2	L	
10049	23527	157017		21.6	+08	54	5.9	.009	gK1	+ 15.9	b	8	DW	*
10050	23532	157683		21.7	+21	58	8.2	.021	dF1	- 25	c	2	L	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
10051	23533	157527	h	m		''	km/sec						
10052	23542	158209	17	21.7	-21 24	6.0	0.040	gG7	- 55.9	b	4	W	
10053	A 10526B	157778		21.9	+73 03	8.3	.222	dKO	- 23	c	4	W	SB (28)
10054	p Her	157779		22.0	+37 11	5.5	.044	A6n	- 19.3	b	12	3	*
10055	23546	157728		22.0	+37 11	4.5	.041	B9n	- 21.0	b	14	3	A 10526A *
				22.0	+23 00	5.7	.063	A4	- 19.7	b	6	V	
10056	23549	157588		22.0	-24 12	6.3	.014	gK1	+ 20.0	b	4	W	
10057	K Ara	157457		22.1	-50 35	5.2	.004	K1	+ 17.6	a	6	LC	*
10058	23556	157740		22.3	+16 21	5.7	.033	A4	+ 11.2	b	4	W	*
10059	23559	157741		22.3	*+15 39	6.2	.011	B9n	- 25	c	5	D	*
10060	23560	157853		22.4	+38 38	6.4	.036	gF7n	- 24.2	b	8	VS	*
10061	23561	157906		22.4	+47 19	8.1	.023	dF7	- 26.9	b	4	W	
10062	23564	158013		22.5	+57 03	6.6	.012	A2	- 7.4	a	34	D	Orb. Sharp
10063	23571	157910		22.7	+37 00	6.5	.050	gG2	- 16.2	b	9	VW	*
10064	23572	.....		22*7	+32 18	8.8	.035	gK5	- 4.2	b	3	W	
10065	23573	.....		22.8	+32 20	9.1	.002	gM4	- 2.8	b	3	W	
10066	23583	.....		23.1	+19 58	8.5	.016	gM3	- 41.1	b	3	W	
10067	23589	157661		23.2	-45 48	5.6	.063	B9n	- 9	d	4	L	
10068	22° 3136	157925		23.2	+22 28	8.3	.040	gFO	- 25	c	2	L	
10069	23592	157881		23.3	+02 10	7.8	1.328	dK6	- 28.3	b	3	W	
10070	23594	157662		23.3	-50 35	6.1	0.013	B9n	+ 11.0	b	3	L	
10071	23597	157792		23.3	-24 08	4.3	.123	dA9	- 37.2	a	8	L	
10072	23598	157856		23.4	-01 37	6.3	.077	F5	- 24	c	3	S	
10073	23599	158996		23.4	+80 11	5.9	.016	gK5	- 6.8	b	7	DW	*
10074	23601	157524		23.4	-63 00	6.4	.038	B5	- 3	c	3	L	*
10075	23603	157935		23.4	+16 26	6.7	.035	F2	- 51.9	b	9	SD	
10076	23606	157857		23.5	-10 57	7.4	.024	07	+ 59.4	b	13	VL	IS -9.2 b *
10077	23608	157967		23.7	+16 58	6.3	.011	gM4	- 10	c	6	DW	*
10078	23614	157978		23.9	+07 38	6.0	.009	A0+G	- 4	c	14	MiD	SB (22) *
10079	23617	157950		24.0	-05 03	4.6	.106	dF1	+ 0.4	b	19	O	Orb. Parker
10080	23619	158067		24.0	+26 55	6.4	.016	A5	- 27.3	b	7	SV	*
10081	♄ Oph	157999		24.0	+04 11	4.4	.004	gK1	- 27.0	a	7	LB	*
10082	23623	158537		24.1	+71 55	7.0	.026	gM4	- 21.9	b	3	W	
10083	23627	157919		24.2	-29 49	4.4	.148	dF3	+ 37.8	a	11	LC	*
10084	V644 Sco	.....		24.2	-39 58	<u>14.0v</u>	.....	N	- 30	d	1	W	Irr
10085	V453 Oph	.....		24.2	-02 22	<u>10.6v</u>	.....	.....	- 95	d	1	W	Cep 0.97
10086	23629	157968		24.2	-12 28	6.3	.075	dF5	- 39.7	b	3	W	
10087	A 10553A	158116		24.3	+29 30	7.6	.003	gA7p	- 24.7	b	4	W	
10088	A 10553B	.....		24.3	+29 30	9.1	.....	gK1	- 28	c	2	W	
10089	23641	158148		24.7	+20 07	5.4	.013	B5n	- 29.5	b	11	3	IS -20 c *
10090	C 2326	.....		24.8	+31 06	9.7	.421	dG7	- 73.3	b	4	W	
10091	C 232a	158226		24.9	+31 07	8.6	.32	dG1	- 70.1	b	4	W	
10092	23644	158225		24.9	+31 16	7.0	.130	dF4	+ 0.1	b	4	W	
10093	23647	158261		25.0	+34 44	5.9	.053	A2	- 21.7	a	35	V	Orb. Christie
10094	23649	158460		25.0	+60 05	5.7	.025	A2	+ 7	c	15	VW	SB *
10095	18 ^s 3377	158211		25.1	+17 56	7.5	.028	gG9	- 1	c	2	L	
10090	23651	158633		25.2	+67 21	6.3	.529	dK1	- 40	c	8	VW	SB (28) *
10097	20° 4775	158122		25.3	-20 55	8.0	.044	dF5	- 10.0	b	3	W	
10098	23652	158251		25.3	+16 30	7.2	.013	F0	- 11	c	5	D	SB
10099	23654	158485		25.3	+58 42	6.5	.015	A2n	- 30	c	6	D	
10100	23655	158228		25.3	+08 29	6.6	.054	gM4	+ 4	c	6	WS	SB *

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	"		km/sec					
10101	23658	158414	17	25.4	+48	18	5.8	0.010	A2n	- 9	c	14	VW	SB *
10102	23662	158263		25.5	+11	26	7.0	.046	A5	- 26	c	5	S	
10103	C 2329	158332		25.6	+26	50	8.0	.289	dG8	- 25.5	b	3	W	
10104	68° 930	.....		26.0	+68	25	9.1	.80	dG7	- 34.3	b	3	W	
10105	NGC 6369	158269		26.2	-23	43	9.9	.....	Pd	-106	c	4	L	Em PL neb.
10106	23677	158352		26.3	+00	22	5.2	.064	A5n	- 36.1	b	18	3	#
10107	16° 4526	159319		26.4	-16	33	8.7	.024	B5ne	- 14.2	b	6	L	
10108	6 Ara	158094		26.6	-60	39	3.8	.110	B8n	+ 12	c	5	L	
10109	TW Oph	158377		26.8	-19	26	8.0v	.021	N	+ 14	c	3	W	
10110	46° 2318	158671		26.9	+46	07	8.2	....	dF2	- 22	c	2	L	
10111	23687	158463		27.1	-05	53	6.4	.082	G5	+ 4	d	1	V	
10112	23688	158220		27.1	-56	53	6.3	.019	B8n	- 3	c	3	L	
10113	v Sco	158408		27.4	-37	15	2.8	.039	B3	+ 18	c	8	L	SB
10114	€ 2334	.....		27.4	+29	26	9.9	.370	dM0	- 7.7	b	4	W	
10115	23706	158614		27.8	-01	01	5.3	.212	dG6	- 77.0	a	13	4	*
10116	oc Ara	158427		28.0	-49	50	3.0	.083	B3ne	- 2	c	8	L	SB
10117	23711	158716		28.0	+11	58	6.4	.056	A0	- 24.6	b	7	V	
10118	11° 4393	158659		28.2	-11	08	10.3	....	B4	+ 39	d	6	L	SB
10119	K 157-521	.....		28.3	-31	18	11.0	....	B4	- 2	e	2	Md	
10120	23717	158643		28.4	-23	56	4.9	".034	AOn	- 12	c	5	L	
10121	X Her	158899		28.7	+26	09	4.5	.023	gK4	- 26.4	a	14	4	*
10122	23732	158837		28.8	+02	46	5.6	.024	gG3	- 29	c	11	VS	SB *
10123	1° 3450	158855		29.0	+01	43	7.2	.042	gK2	- 15.9	b	3	W	
10124	23735	159026		29.0	+38	55	6.4	.012	F2n	- 27.2	b	4	D	
10125	33° 12155	.....		29.0	-33	18	10.0	....	O8	- 22	d	2	Md	-11 e 1
10126	23736	158974		29.0	+31	12	5.8	.017	gG8	- 26.4	b	3	W	
10127	β Dra	159181		29.3	+52	20	3.0	.019	cG2	- 20.0	a	36	6	.
10128	59° 1823	159266		29.4	+59	44	8.4	.055	gKO	- 15	c	4	W	
10129	23744	159329		29.4	+63	54	7.4	.206	dF9	- 28.7	b	3	W	
10130	23749	159063		29.7	+16	52	6.8	.051	F8	- 7.0	b	3	S	
10131	23754	159139		29.9	+28	27	5.6	.023	A0	- 26	c	11	V	
10132	74° 713	159754		29.9	+74	32	8.2	....	dF2	- 5	c	2	L	
10133	23757	159082		29.9	+11	58	6.2	.028	A0	- 11.8	b	33	V	Orb. Campbell
10134	23758	159330		29.9	+57	55	6.5	.040	K2	- 13.7	b	6	D	
10135	23768	159119		30.1	+14	26	7.4	.056	gK5	- 20	c	2	L	
10136	X Sco	158926		30.2	-37	04	1.7	.031	B2n	0	c	14	LwL	*
10137	23770	159222		30.2	+34	18	6.5	.242	dG2	- 52.1	b	4	D	
10138	RU Oph	.....		30.5	+09	27	6.2v	....	gM3e	- 65	e	2	W	Em -74 *
10139	23787	159410		30.8	+46	22	7.5	".028	gK3	- 52	c	2	L	
10140	23788	159170		30.8	-05	43	5.7	.113	A2	- 26	c	4	V	
10141	A 10628B	159541		31.2	+55	13	5.0	.154	dA8	- 15.2	b	11	3	*
10142	23798	159332		31.2	+19	17	5.6	.103	dF4	- 58.8	b	9	SW	*
10143	v Dra	159560		31.3	+55	12	5.0	.156	A4	- 16.0	b	13	3	A 10628A *
10144	23803	159353		31.4	+16	21	5.7	.065	gKO	- 21.5	b	3	W	
10145	23804	159176		31.4	-32	33	5.7	.011	O8	- 4	b	17	L	IS -5.0 b *
10146	23805	159354		31.4	+14	53	6.7	.089	gU4	+ 29.6	b	6	OW	*
10147	23807	159501		31.5	+41	17	5.8	.101	gK1	- 28.8	b	4	W	
10148	23811	159906		31.7	+69	38	7.3	.034	scG7	+ 6.3	b	0	W	
10149	α Ara	159217		31.9	-46	28	4.6	.052	AOn	+ 4.3	b	3	L	
10160	23810	159466		32.1	+13	12	8.7	.035	sgG4	- 59.6	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
10201	TT Sco	160205	17	37.0	-41	36	6.4v	0.026	N	+ 8	c	2	W	
10202	23935	160507		37.0	+32	46	6.4	.021	gG5	- 14.6	b	3	V	
10203	RT Ser	.....		37.1	-11	55	9.2v	.....	cA8pe	+ 72.8	b	10	W	SB (60)
10204	23939	160933		37.1	+69	36	6.5	.218	dGO	- 53.4	b	7	DW	*
10205	o Dra	160922		37.2	+68	47	4.9	.322	dF4	- 14.0	a	26	L	Orb. Turner
10206	23953	160471		37.6	-02	08	6.4	.033	gM4	- 49	c	4	W	
10207	23962	160693		37.9	+37	13	8.4	.988	dF8	+ 39.7	b	4	W	
10208	.....	.....		38.0	-24	40	.....	.....	P	- 61	d	1	L	Em PL neb.
10209	23964	160740		38.0	+44	02	7.2	.052	A2	- 30	c	7	D	
10210	i Her	160762		38.1	+46	02	3.8	.007	cB3	- 20.0	a	110	8	IS -24 c *
10211	23967	160677		38.1	+31	14	6.3	.020	gM2	- 9.4	b	6	DW	*
10212	23968	161178		38.1	+72	29	6.0	.026	EG8	+ 7.6	b	7	DW	*
10213	o Ser	160613		38.6	-12	51	4.4	.094	A2	- 30.0	b	17	3	SB 2-sp *
10214	23980	160529		38.7	-33	29	6.7	.009	cA4e	- 34	c	4	W	IS -22 c 2
10215	23984	160822		38.8	+31	19	6.4	.105	KQ	- 6.1	b	4	D	
10216	23986	160765		38.9	+15	12	6.3	.026	A0	- 18	c	3	V	
10217	K Sco	160578		39.0	-39	00	2.5	.031	B3	- 10	c	9	L	
10218	A L0715A	160835		39.0	+24	32	6.5	.059	gK1	- 32.2	b	4	W	
10219	A L0715B	.....		39.0	+24	32	8.8	.....	dFO n	- 28	c	4	W	*
10220	23991	160781		39.1	+06	20	6.0	.016	gG7	- 31.0	b	9	DW	
10221	35° 11829	160591		39.1	-35	14	8.1v	.....	R8	- 57	d	1	W	
10222	23993	160950		39.1	+43	30	6.7	.076	K2	- 29.2	b	4	D	
10223	23996	.....		39.3	+71	21	9.2	.345	dMO	+ 1.6	b	3	W	
10224	24001	160668		39.5	-36	55	5.6	.037	K2	- 4	d	1	L	
10225	24° 13435	160730		39.5	-24	17	10.2	.....	O8	- 72	d	2	Md	
10226	CE Her	.....		39.6	+15	06	11.2v	.....	.....	-235	d	1	W	RR 1.21
10227	24003	161016		39.7	+41	41	7.0	.019	A2n	- 38	c	13	WV	SB (42) *
10228	24005	160935		39.7	+21	32	6.7	.135	F8	- 27.2	b	3	S	
10229	24009	160910		39.7	+15	58	5.6	.096	dF1	- 43.7	b	4	W	
10230	24010	161162		39.8	+57	20	6.8	.034	G5	- 13.8	b	4	D	
10231	μ Ara	160691		40.2	-51	49	5.3	.198	dGO	- 11.8	a	8	LC	*
10232	24025	161193		40.2	+51	50	6.1	.037	RK0	- 8.7	b	7	DW	*
10233	18° 4629	160886		40.3	-18	17	10.0	.021	B5e	- 20	c	6	L	
10234	4° 3485	160968		40.3	+04	51	9.1	.029	K2	- 14	d	1	L	
10235	24028	161074		40.4	+24	35	5.6	.123	gK5	- 27.4	b	9	VW	*
10236	24030	160915		40.4	-21	40	4.9	.105	dF5	+ 11.0	a	6	L	
10237	l Pav	160635		40.8	-64	42	3.6	.060	K1	- 7.6	a	12	LC	*
10238	1° 3488	161077		40.9	+01	05	9.2	.015	A0	- 45	e	1	L	
10239	3 Oph	161096		41.0	+04	35	2.9	.160	gK1	- 12.0	a	44	10	*
10240	24051	161056		41.1	-07	03	6.2	.012	B5n	- 26	c	6	V	
10241	24052	161149		41.1	+14	19	6.2	.029	dF4	- 42.4	b	8	V	
10242	24055	161198		41.1	+21	38	7.4	.660	dG8	+ 20	c	3	W	
10243	XX Oph	.....		41.3	-06	15	9.1v	.....	Bep	- 37	b	30	W	Em
10244	24059	161239		41.3	+24	21	5.7	.137	gG6	- 25.6	b	6	WV	*
10245	5° 4488	161131		41.3	-05	55	7.3	.016	K0	+ 1	d	1	V	
10246	24061	161083		41.4	-22	10	6.6	.026	dA5m	+ 8	d	3	W	SB (49)
10247	24067	161369		41.6	+44	06	6.6	.056	K4	- 60.3	b	4	D	
10248	+0° 3763	161201		41.6	+00	23	8.1	.019	dF4	- 33.9	b	4	W	
10249	n 4663	161028		41.8	-44	53	.....	.....	Pe	- 47	d	3	L	Em PL aeb.
10250	24072	101262		41.9	+02	59	8.6	.018	RK0	+ 11.9	b	3	W	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	r			km/sec					
10251	SZ Sgr	161208	17	42.0	-18	38	8.5 _v	0.006	N	+ 19	b	4	W	Irr?
10252	35th L1892	.....		42.0	-35	23	<u>9.8</u>	.....	B3	- 53	e	2	Md	IS -24 e
10253	24075	161321		42.0	+14	26	6.1	.013	A3p	- 31.3	a	26	V	Orb. Petrie
10254	A 10750A	161270		42.1	+02	36	6.2	.011	A0	- 31	c	12	SV	SB (47) *
10255	A 10750B	161289		42.1	+02	36	6.6	.007	AOn	- 30	c	13	SV	*
10256	16 ^s 4610	161227		42.1	-16	45	8.2	.027	cFO	+ 4	c	2	L	
10257	C 2367	161897		42.1	+72	26	8.4	.324	dG6	- 17.0	b	3	W	
10258	-0 ^s 3352	161304		42.3	-00	07	8.5	.014	B9n	- 11	c	6	W	
10259	9° 4598	161306		42.4	-09	48	8.3	.022	BOne	- 22	d	6	L	
10260	CC 1062	.....		42.4	+43	25	10.3	.59	dM3	- 22.6	b	4	W	
10261	24082	161464		42.4	+33	15	7.0	.033	B8	- 12	c	5	S	
10262	24085	161569		42.6	+45	03	6.6	.010	B9	- 9	d	6	0	
10263	ψ Dra	162003		42.8	+72	10	4.9	.269	dF5	- 10.3	a	13	3	A 10759A *
10264	A 10759B	162004		42.8	+72	11	6.1	.282	dF6	- 10.2	b	6	WV	*
10265	24093	161693		42.9	+53	49	5.7	.028	B9n	- 3	c	9	WV	*
10266	A 10765A	161550		43.0	+31	09	8.0	.022	dF5	- 36.8	b	3	W	
10267	A 10765B	.....		43.0	+31	09	8.5	.....	dF6	- 37	e	2	W	
10268	24100	161502		43.1	+11	10	7.1	.025	G5	- 20.9	b	3	S	
10269	24105	161542		43.5	+05	56	7.2	.043	A0	- 29.5	b	8	S	
10270	24107	161572		43.5	+05	43	7.5	.032	B8	- 19	c	6	S	
10271	24111	161573		43.7	+05	33	6.7	.034	B8	- 7	c	5	S	
10272	24114	161603		43.7	+05	41	7.2	.027	B9	- 8	c	7	S	
10273	24116	161695		43.8	+31	31	6.2	.007	B9	+ 2.4	b	9	S	*
10274	4° 4349	161589		43.9	-04	28	9.3	.036	dG2	- 13.8	b	3	W	
10275	24123	161865		44.0	+51	58	8.6	.012	gG5	- 49.3	b	4	W	
10276	A 10781A	161623		44.1	-01	12	8.2	.003	dG1	+ 15.9	b	3	W	
10277	A 10781B	.....		44.1	-01	12	9.1	.....	dG5	+ 15	e	2	W	
10278	I Sco	161471		44.1	-40	07	3.1	.004	cF6	-27.6	b	25	3	SB *
10279	Sx Sco	161511		44.1	-35	41	7.0 _v	.013	N	- 36	c	2	W	SR 125
10280	24128	161815		44.2	+38	54	6.5	.038	K0	- 11.5	b	4	D	
10281	24129	161677		44.2	+05	48	6.9	.021	B8	- 26	d	5	S	
10282	46° 2361	.....		44.3	+46	52	10.3	.03	dM2	+ 18	c	2	W	
10283	24131	161832		44.3	+39	20	6.6	.013	K3	- 32	c	4	D	SB (18)
10284	X Sgr	161592		44.4	-27	49	4.4 _v	.014	cG2 _v	- 13.5	a	41	L	Cep 7.01 *
10285	μ Her	161797		44.5	+27	45	3.5	.811	dG4	- 15.6	a	27	7	A 10786A *
10286	A 10786BC	.....		44.5	+27	45	10.2	.....	dM4	- 16	e	6	WMd	*
10287	24145	161817		44.7	+25	46	6.9	.055	A4	-362.8	b	10	3	*
10288	C 2370	.....		44.7	+67	19	9.2	.30	dG2	- 78.1	b	3	W	
10289	CC 1064	.....		44.7	-08	46	10.8	.46	sdF8	+ 91	c	2	Md	
10290	29° 13998	.....		44.8	-29	55	.....	.....	P	- 28	c	2	L	Em PL. neb.
10291	24150	161833		44.9	+17	43	5.6	.014	AO	+ 2	c	4	V	SB (28)
10292	CC 1066	161848		45.3	+04	58	9.0	.602	dK3	- 93.1	b	3	W	
10293	28° 2831	161959		45.3	+28	57	7.4	.030	AO	- 39	c	7	D	
10294	24161	161921		45.3	+18	54	6.7	.017	AO	- 23	c	6	S	
10295	T Opfa	161868		45.4	+02	43	3.7	.080	AOn	- 5	c	12	3	*
10296	NGC 6439	161801		45.4	-16	28	.....	.....	P	- 93	c	5	L	Em PL. neb.
10297	C 2368	.....		45.7	+27	49	9.8	.257	dG2	- 55.5	b	3	W	
10298	24173	162132		45.8	+47	38	6.3	.008	A2	- 20 ³	a	26	V	Orb. Petrie
10299	24175	181941		45.8	+03	49	6.2	.003	AO	- 43.9	b	5	V	
10300	NGC 6440	.....		45.9	-20	21	<u>12.0</u>	.....	G3	-133	c	6	LW	Glob. cL *

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
10301		24176	161840	17 45.9	-31	41	4.8	0.022	B8	- 13.3	b	6	L	IS -11 c *
10302	2°	4458	161961	46.0	-02	11	8.2	.032	B0	- 11	c	8	LW	
10303		24178	162094	46.1	+34	18	6.6	.023	B3	- 36.1	b	6	V	
10304		24180	163240	46.1	+80	18	7.1	.018	gM2	- 28.2	b	3	W	
10305		24183	162159	46.2	+36	34	6.7	.030	gM3	- 14.8	b	3	W	
10306		24184	162076	46.3	+20	35	5.8	.021	sgG5	- 26.3	b	9	VW	*
10307		24185	162028	46.3	+05	43	7.4	.009	B9	- 6	d	8	S	
10308	NGC 6445	161944	46.3	-20	00				P	+ 16.2	b	3	L	Em. PL neb.
10309		24187	161783	46.4	-53	36	5.9	.019	B3	- 8	c	3	L	SB 2-sp
10310		24188	161892	46.5	-37	02	3.2	.064	K2	+ 24.7	a	11	LC	*
10311		24194	162161	46.6	+19	16	6.0	.020	A0	- 22	c	3	V	
10312		24197	161912	46.7	-40	05	4.9	.011	cA3	- 17.7	a	7	LW	IS -9 d *
10313		24199	162211	46.8	+25	38	5.3	.044	£K1	- 26.0	a	6	LW	*
10314		24200	162113	46.8	+01	58	6.5	.068	K2	- 58.0	b	4	D	
10315	NGC 6441	161968	46.8	-37	02		<u>8.9</u>		G4	- 70	c	4	L	Glob. cl.
10316	RS Oph	.....	47.5	-06	42	11.7v		.....	cA7e	- 39	c	1	We	Em -42 c *
10317	RY Sco	162102	47.6	-33	42	9.4v		*.032	cG3v	- 17.5	b	10	W	Cep 20.3 *
10318	2°	3407	162262	47.6	+02	15	83	.015	dF5	- 1	d	5	L	SB (76)
10319	15°	3285	162365	47.9	+15	31	7.7	.016	B4	- 9	c	14	L	IS +2 c *
10320		24221	162579	47.9	+50	48	5.2	.210	A1n	- 54.8	b	24	3	*
10321	24°	3264	162428	47.9	+24	28	7.0	.009	B9e	- 14	c	6	S	
10322	6°	4663	162283	47.9	-06	02	10.1	.13	dM2	- 21	d	2	W	
10323	6	UMi	166205	48.3	+86	37	4.4	.052	A0	- 7.6	b	16	4	*
10324		24238	162468	48.4	+11	58	6.4	.038	K1	- 49.2	b	4	D	
10325		24241	162555	48.4	+29	20	5.6	.052	gG8	- 14.7	a	13	3	*
10326		24251	162570	48.7	+22	20	5.9	.023	A2n	+ 4.1	b	7	SV	*
10327		24253	162732	48.7	+48	24	6.4	.009	A1p	- 16.3	b	4	W	
10328		24259	162374	48.9	-34	47	6.0	.008	B7	- 13.7	b	3	L	
10329	44°	2777	162751	49.0	+44	30	7.7	.027	A3	- 1	c	5	W	
10330		24262	162668	49.0	+30	00	6.7	.008	A3	- 21	c	6	D	
10331		24266	166926	49.2	+87	00	5.9	.053	A3	+ 1.2	b	6	V	
10332	1°	3525	162651	49.5	+01	07	7.1	.006	A0	- 29	c	7	S	
10333		24274	162648	49.5	+04	30	7.0	.010	K2	- 49	d	1	V	
10334		24279	162826	49.6	+40	05	6.5	.018	F8	+ 1.5	b	4	D	
10335		24280	162880	49.7	+44	55	7.2	.076	A6	0	c	5	D	SB
10336		24281	162734	49.7	+15	20	6.5	.026	K0	- 43.0	b	5	D	
10337	y	oph	162714	50.0	-06	08	6.9v	.014	cG2v	- 5.3	a	83	LW	Cep 17.1 *
10338		24295	162774	50.1	+01	19	6.2	.055	K5	- 65.1	b	4	D	
10339		24300	162756	50.3	-07	54	7.6	.263	dG2	-124	c	4	W	
10340		24301	162757	50.3	-10	53	6.3	.063	gK1	- 34.7	b	3	W	
10341		24302	162865	50.3	+16	55	6.6	.050	F5	- 4.1	b	3	S	
10342		24304	162936	50.4	+32	01	7.0	.014	A0	- 21	c	16	OS	3B *
10343	34°	3067	162949	50.4	+34	12	7.9	.055	dF3	- 11	c	3	L	
10344	49°	2701	163074	50.4	+49	54	9.1	»••	GO	- 12	d	1	L	
10345	24°	13585	162718	50.4	-24	46	9.0	.025	BOne	- 13	e	1	Md	IS +20 e
10346		24309	162989	50.4	+40	00	6.1	.050	gK4	- 66	c	11	VW	SB *
10347	78°	612	163859	50.5	+78	25	8.2	»••	dG2	- 46.1	b	3	W	
10348		24317	163075	50.6	+46	39	6.6	.134	K0	- 28.3	b	5	D	
10349		24320	162917	50.8	+00	07	5.8	.144	dF4	- 32.8	b	8	VW	*
10350		24331	103077	51.3	+25	00	8.1	.111	sgGS	+ 5.8	b	3	W	

Cat. No.	Star	BLD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
10351	24342	163217	h 17	m 51.7	+40 01	5.1	0.048	gK4	- 34.9	a	12	3	*
10352	24343	163989		51.7	+76 58	5.0	.245	dF5	- 23.0	a	9	LV	*
10353	24346	163466		51.8	+60 24	6.8	.040	A5	- 16.2	b	5	D	
10354	24347	162978		51.8	-24 53	6.1	.010	BOn	- 11	c	5	W	IS -10 c *
10355	24349	163151		51.9	+11 08	6.3	.192	F2n	- 41	d	4	S	SB
10356	30° 3078	163219		51.9	+30 22	7.5	.023	A4	- 38.4	b	5	D	
10357	UX Her	163175		51.9	+ 16 57	8.7v	.038	A0	- 58.6	b	14	W	EA 1.55 *
10358	.....	.....		52.2	-21 45	.....	.....	P-	+ 12	c	2	L	Em PL neb.
10359	42° 2951	163418		52.5	+42 40	7.6	.010	gG8	- 1.1	b	5	WL	
10360	T W Her	.....		52.6	+30 25	10.6v	.009	F1	- 15	d	1	W	RR 0.40
10361	£ Dra	163588		52.7	+56 53	3.9	.119	gK3	- 25.8	a	14	3	*
10362	24369	163245		53.0	-18 48	6.4	.027	A2n	+ 4	c	5	W	
10363	24370	164428		53.0	+78 19	6.4	.023	K5	- 6.8	b	4	D	
10364	V453 Sco	163181		53.0	-32 28	6.6v	.006	B1e	- 40.8	a	96	WMd	EB 12.0 *
10365	AI Sco	.....		53.0	-33 49	9.4v	.....	cG4v	- 15	c	3	W	RV 71.8 *
10366	24374	163145		53.1	-44 20	5.0	.021	K5	+ 44.9	a	6	L	
10367	LPM 661	.....		53.2	-16 23	11.0	.60	sdF8	-216	c	3	W	
10368	24375	163589		53.2	+45 34	8.2	.046	dG3	- 37	b	3	W	
10369	24379	163608		53.3	+45 13	8.0	.013	A2n	- 25.6	c	5	W	
10370	24380	163296		53.3	-21 57	6.6	.035	A2e	- 3	c	6	W	
10371	24382	163506		53.4	+26 03	5.5	.004	cF5	- 28.5	b	48	LW	SB *
10372	24390	163590		53.6	+32 27	7.2	.002	AOn	- 13	c	12	DS	*
10373	.....	163838		53.6	+64 09	10.2	.....	R3	- 38	c	3	W	
10374	24392	163547		53.7	+22 28	5.7	.007	gK3	- 43.6	b	3	W	
10375	24393	163472		53.8	+00 41	5.7	.009	B2	- 17.6	b	8	WV	IS -16 c *
10376	21° 3253	163609		54.0	+21 29	8.1	.077	dG3	- 32.0	b	3	W	
10377	24397	163428		54.1	-23 56	6.8	.008	gM1	- 12	c	6	W	SB (32)
10378	24398	163532		54.2	-04 05	5.6	.019	gG9	- 39	c	6	WS	
10379	RT Oph	.....		54.2	+11 10	9.0v	.....	gM7e	- 40	c	2	W	Em -54 *
10380	24402	163376		54.2	-41 43	4.9	.024	M1	+ 4.4	b	4	L	
10381	18° 4722	163535		54.4	-18 03	9.2	.018	B8	- 15	c	5	L	
10382	24410	163929		54.5	+55 59	6.1	.120	gFln	- 26.6	b	4	V	
10383	24413	163641		54.5	+06 30	6.2	.022	A0	- 14	c	2	V	
10384	24414	163624		54.5	+00 04	6.1	.032	A2	- 10.6	b	6	V	
10385	d Her	163770		54.5	+37 15	4.0	.004	cK1	- 27.2	a	12	3	*
10386	20° 4924	163572?		54.6	-20 37	8.8	.028	cF2	+ 24	c	2	L	
10387	24422	1637721		55.1	+11 03	6.5	.035	A0	- 16.4	b	43	V	SB (65)
10388	24° 13687	.....		55.1	-24 49	10.3	.....	B2	- 22	d	2	Md	ES -9 c
10389	24423	1638401		55.2	+24 00	6.4	.077	GO	- 34	c	6	D	SB (18)
10390	24425	163966		55.3	+45 00	6.8	.019	AOn	- 30	c	9	DW	*
10391	24428	163990		55.4	+45 21	6.2	.033	gM6	+ 13	c	6	VW	*
10392	CC 1069	.....		55.4	+04 33	9.7	10.27	sdM5	-108	c	18	4	*
10393	31" 14893	163667		55.4	-31 45	8.9	...	B2n	+ 15	e	1	Md	IS -54 e
10394	y Dra	164058		55.4	+51 30	2.4	6.026	RK5	- 27.6	a	14	3	
10395	& 8287B	.....		55.5	+58 13	10	.....	G5	- 90	c	3	W	
10396	24437	163948		55.6	+33 24	6.B	.023		- 1.5	b	3	S	
10397	24439	163947		55.6	+33 48	8.7	.020	gM5	- 29.9	b	3	W	
10398	i 33° 2997	163992		55.6	+33 50	7.9	.011		- 25.3	b	3	W	
10399	24441	164446		55.8	+69 37	7.0	.026	gG9	- 7.9	b	4	W	
10400	T Dra	.....		55.6	+58 13	7.2v	.....	Ne	- 23	b	6	W	Em -43 •

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	"		km/sec					
10401	24444	164059	17	55.7	+45	52	6.8	0.108	F5	- 27.6	b	4	D	
10402	4 Her	163993		55.8	+29	15	3.8	.087	gG7	- 1.5	a	23	5	*
10403	Z Her	163930		55.9	+15	09	7.2 _v	.066	F2+F2	- 46.0	b	9	W	EA 3.99 *
10404	CC 1070	163810		55.9	-13	05	9.5	.824	dGO	+191	c	5	WMd	*
10405	24451	163755		55.9	-30	15	5.3	.016	M0	- 20.0	a	8	LC	*
10406	24454	163799		55.9	-22	23	8.6	.322	dF6	- 16	c	4	W	
10407	24456	163800		55.9	-22	31	6.9	.011	B0	+ 5	c	10	L	IS -5 c We
10408	4° 3562	.....		56.0	+04	28	9.8	.062	dK5	- 12.1	b	3	W	
10409	24459	164613		56.0	+72	01	5.5	.003	dF2	- 2	c	6	WVn	*
10410	24461	163973		56.1	+14	31	7.3	.023	A2	0	c	6	S	
10411	24462	164780		56.1	+75	11	6.4	.027	K0	- 17.8	b	4	D	
10412	24464	163972		56.1	+14	37	8.4	.013	gK1	- 17.7	b	3	W	
10413	Lee 115	.....		56.2	+13	10	10	...	B4	-100	c	2	W	
10414	24466	164078		56.2	+32	39	6.5	.038	F5n	+ 3	c	7	D	SB
10415	v Oph	163917		56.3	-09	46	3.5	.118	gG9	+ 12.4	a	16	3	*
10416	22° 4478	163892		56.4	-22	28	7.1	.014	B2n	- 14	c	8	L	IS -15 c 4
10417	24471	164212		56.4	+43	25	6.9	.015	AOn	- 30	c	17	3	*
10418	24476	164043		56.5	+14	51	7.1	.134	F8	- 7.8	b	3	S	
10419	v Her	164136		56.6	+30	12	4.5	.006	seF1	- 22.2	a	30	5	*
10420	24483	163955		56.7	-23	49	4.8	.048	AOn	- 22	c	8	L	
10421	.....	163872		56.8	-38	49	.....	.....	Pc	+ 4.6	b	3	L	Em PL neb.
10422	24487	164064		57.0	-04	49	6.0	.098	gK5	- 31.7	b	3	W	
10423	24488	164280		57.0	+36	17	6.0	.060	gG5	+ 9.8	b	8	DW	*
10424	24489	164394		57.0	+52	13	7.7	.029	A4	- 1.0	b	3	W	
10425	22° 4484	164002		57.0	-22	33	7.2	.046	B2	- 17	c	10	L	IS -25 c 9
10426	24492	164031		57.1	-24	17	6.7	.038	gKO	- 25.9	b	3	W	
10427	24493	164253		57.1	+30	03	7.3	.016	gG4	- 21.3	b	7	WS	*
10428	28° 13994	164019		57.2	-28	37	9.0	.031	O9	- 32	c	3	Md	IS -3 c
10429	V Dra	.....		57.2	+54	53	8.8 _v	.....	gM4e	+ 13	e	3	W	Em +5 *
10430	25° 12556	.....		57.3	-25	14	11	.....	B1	+ 19	e	1	Md	IS +8 e
10431	14° 4842	164103		57.3	-14	47	8.0	.014	B5	- 31	c	8	L	SB
10432	24495	164429		57.4	+45	29	6.2	.022	AOn	- 19	c	9	ε-V	*
10433	RY Her	164307		57.6	+19	27	8.2 _v	.053	gM4e	- 39	c	2	W	Em -50 *
10434	24499	164258		57.7	+00	38	6.3	.010	A2p	- 34.3	b	33	V	
10435	15° 4767	164188		57.8	-15	48	9.0	.030	B3	+ 6.3	b	7	L	IS -12 c
10436	24500	164284		57.8	+04	22	4.8	.016	B5ne	- 11	c	17	3	IS -16.6 b *
10437	24502	164349		57.8	+16	45	4.7	.011	gG8	- 23.4	a	13	4	*
10438	\$ Ser	164259		57.8	-03	41	4.6	.152	dF1	- 42.9	b	10	L	
10439	A 10966A	164353		58.1	+02	56	3.9	.011	cB7	- 4.4	a	118	8	IS -14.7 b *
10440	A 10966B	.....		58.1	+02	56	8.5	.....	B3	- 8	c	4	V	
10441	24510	164447		58.3	+19	30	6.4	.012	B9e	- 29	c	4	S	IS -22 c *
10442	28° 2882	164506		58.3	+28	45	7.4	.010	A2	+ 2.2	b	6	D	
10443	19° 4805	.....		58.4	-19	10	9.7	.....	N	+ 17	d	2	W	
10444	24515	164432		58.4	+06	16	6.2	.006	B3	- 22	c	10	3	IS -10 c •
10445	24517	164358		58.5	-17	09	6.3	.009	gKS	- 22	c	3	W	
10446	24518	164546		58.5	+45	30	5.9	.039	gMO	- 9.7	b	5	WV	*
10447	NGC 6543	164963		58.6	+66	38	.....	.....	Pd	- 65.7	a	25	3	Em PL neb. *
10448	24520	164359		58.6	-22	08	8.2	.030	Bin	- 14	c	7	L	IS -14 c 4
10449	24522	104507		58.7	+15	06	6.3	.129	G5	+ 3.8	b	4	S	
10450	C 2385	164595		58.7	+29	34	7.2	.211	dG1	+ 7.2	b	3	W	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	//		km/sec					
10451	24523	164614	17	58.8	+33	13	6.1	0.025	£K6	- 15.8	b	8	SV	*
10452	24526	164402		58.9	-22	47	5.7	.014	B0	- 13	c	2	W	IS -9.0 b *
10453	24529	164438		58.9	-19	06	7.3	.008	Bin	- 27	c	8	L	IS -24 c 4
10454	BL Her	.....		59.0	+19	15	9.3v	.....	cF4v	+ 18.0	b	16	W	Cep 1.31 *
10455	V567 Sgr	.....		59.2	-36	39	L3J5	.....	Pd	- 69	c	4	L	Em. PL. neb. *
10456	24534	164577		59.2	+01	18	4.4	.018	B9n	+ 4	c	17	4	SB (94) *
10457	NGC 6514	.....		59.3	-23	02	.....	.....	.....	+ 11	c	4	L	Em. Trifid neb.
10458	A 10991C	.....		59.3	-23	02	9.4	.021	B2	- 2	d	3	W	SB (77)
10459	A 10991A	164492		59.4	-23	02	6.9	.005	07	+ 4	c	16	3	IS -11 c *
10460	A 10993B	164668		59.4	+21	36	5.2	.028	gG3	- 31.0	a	11	3	*
10461	A 10993A	164669		59.4	+21	36	5.1	.031	A1n	- 30.2	b	5	LV	*
10462	24541	164730		59.4	+24	15	7.2'	.029	K0	+ 14	c	2	S	
10463	24543	164514		59.5	-22	54	7.3	.012	cA8	- 1.1	b	3	W	
10464	24544	164755		59.5	+30	39	7.1	.018	£K4	- 29.1	b	3	W	
10465	24545	164536		59.6	-24	15	6.9	.011	B4n	- 11	c	5	L	
10466	24548	164581		59.6	-20	44	6.8	.004	B4	- 6	c	8	L	
10467	24549	164898		59.7	+45	21	7.4	.014	A0	- 13	d	7	D	SB
10468	24554	164824		59.8	+33	19	6.3	.031	K5	- 10.4	b	4	D	
10469	24555	164584		59.8	-24	17	5.5	.014	dA8	- 11.6	b	8	LW	*
10470	35° 3129	164842		59.8	+35	03	9.2	.02	A5	- 27	e	1	L	
10471	22° 3259	164809		59.9	+22	28	7.5	.060	gKO	- 51	c	2	L	
10472	24558	164637	18	00.0	-22	43	6.6	.002	B0	- 4	d	8	LW	IS -10 c *
10473	17° 4999	164700		00*2	-17	25	8.0	.025	B4	+ 2	c	6	L	
10474	N 6520-6	.....		00.2	-27	52	10.8	.....	B3	- 31	d	2	L	
10475	24563	164852		00.2	+20	50	5.1	.014	B4	- 14.9	b	24	3	*
10476	22° 4520	164704		00.3	-22	53	7.6	.013	B4	- 5	c	7	L	
10477	22° 4521	164703		00.3	-22	18	9.8	.....	B5e	- 10	d	6	L	
10478	N 6520-7	.....		00.3	-27	53	10.8	.....	B0	- 25	d	2	L	
10479	r Oph	164765		00.4	-08	11	4.9	.048	dF3	- 40.2	b	14	3	SB *
10480	22° 4522	164717		00.4	-22	37	8.6	.037	B4n	- 19.4	b	6	L	
10481	N 6520-4	.....		00.4	-27	52	10.5	.....	B2	- 22	d	2	L	
10482	24568	164900		00.4	+22	55	6.1	.014	B8	- 36	c	4	V	SB (27)
10483	24569	164738		00.4	-17	37	7.1	.004	B5n	+ 6	c	5	L	
10484	24570	164922		00.5	+26	19	7.1	.714	dKO	+ 22.8	b	3	W	
10485	24572	165008		00.7	+30	33	6.8	.091	F4	- 37.2	b	8	DS	*
10486	NGC 6523	164140		00.7	-24	23	.....	.....	Pb	- 3	c	3	L	Em. Ext. neb.
10487	24573	164924		00.7	+15	00	8.0	.014'	gM4	- 29.7	b	3	W	
10488	24574	164794		00.8	-24	22	5.9	.003	05	+ 9	c	16	W	IS -7.5 b *
10489	24578	164833		00.9	-22	50	6.9	.011	BO	- 23	c	5	L	
10490	4° 3581	164927		00.9	+04	47	9.0	.024	G5	- 37	d	1	L	
10491	24579	164967		01.0	+08	25	7.0	.011	AO	- 12	c	6	S	
10492	30° 3112	165073		01.0	+30	21	8.1	.063	dF7	- 35	c	2	L	
10493	22° 4535	164844		0LO	-22	34	8.9	.051	B5	- 9	c	11	LW	IS -10 c *
10494	24581	165170		01.0	+44	14	7.2	.076	F4	- 19	c	5	D	SB
10495	24583	165029		01.1	+19	37	6.5	.023	AO	- 32	c	3	V	
10496	N 6531-7	.....		01.1	-22	30	9.5	.....	B2	- 2	c	3	LW	IS -9 c *
10497	N 6531-8	.....		01.1	-22	31	9.5	.....	B6	- 24	d	2	L	
10498	24589	165042		01.2	+19	33	7.2	.014	gM4	- 21.8	b	4	WL	*
10499	24590	164863		01.2	-22	30	7.8	.016	B7	+ 12	d	6	L	
10500	22° 4541	164883		01.2	-22	30	7.8	.....	BOn	- 9.6	b	10	LW	IS -10 c *

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
10501	N 6531-6	.....	18	01.2	-22 27	9.1	.....	B3	- 16	c	5	WL	*
10502	N 6531-5	.....		01.2	-22 30	8.6	.....	B5	- 48	d	2	L	
10503	N 6530-9	.....		01.2	-24 23	8.9	.....	B4	- 35	d	3	L	
10504	N 6531-4	.....		01.3	-22 29	8.6	.....	B3	+ 4	c	5	WL	IS -9 c *
10505	N 6530-11	.....		01.3	-24 21	9.0	.....	B5	- 35	d	2	L	
10506	A 11016A	165522		01.3	+65 57	7.6	0.037	gF5	- 20.4	b	3	W	
10507	A 11016B	.....		01.3	+65 57	9.2	.....	dF6	- 22.0	b	3	W	
10508	N 6530-14	.....		01.4	-24 19	9.4	.....	B6	- 34	d	2	L	
10509	N 6530-15	.....		01.4	-24 21	9.6	.....	B5	+ 22	d	2	L	
10510	N 6530-5	.....		01.4	-24 23	8.3	.....	B2	+ 55	d	6	WL	IS -10 c *
10511	24° 13832	164906		01.4	-24 23	7.5	.....	BOne	+ 18	e	1	L	IS -10 c W
10512	N 6530-8	.....		01.4	-24 26	8.8	.....	B4	- 2	d	3	L	
10513	N 6530-12	.....		01.5	-24 23	9.3	.....	B3	- 22	d	3	WL	IS -3 c *
10514	N 6530-6	.....		01.6	-24 20	9.1	.....	B3	- 14	c	5	LW	
10515	22° 4548	164992		01.7	-22 27	10.7	.....	B4	- 25	c	6	L	
10516	W CrA	164889		01.7	-39 21	11.3v	.....	R3	-103	d	1	W	Irr
10517	A 11028A	165358		01.8	+48 28	6.1	.026	A0	- 13.4	b	12	V	
10518	A 11028B	.....		01.8	+48 28	8.0	.....	G9	- 19	c	6	V	
10519	W Sgr	164975		01.8	-29 35	4.3v	.009	cG2v	- 28.6	a	34	L	Cep 7.59 *
10520	15° 4803	165049		01.8	-15 22	8.1	.007	cB2	- 18.2	b	7	LMd	IS -14 c *
10521	24612	165281		02.0	+30 23	6.7	.276	F7	+ 1.7	b	10	3	*
10522	24617	165174		02.1	+01 55	6.1	.008	B2n	+ 17	c	6	V	IS -9.4 b *
10523	24618	165052		02.1	-24 24	6.8	.010	O6	+ 3	c	7	3	IS -9 c *
10524	NGC 6537	.....		02.3	-19 51	.....	.....	.....	- 17.3	b	3	L	Em PL neb.
10525	3° 4233	165222		02.5	-03 02	9.2	.655	dM2	+ 34	b	6	WMd	*
10526	y Sgr	165135		02.6	-30 26	3.1	.200	KO	+ 22.1	a	44	CL	SB *
10527	24633	165373		02.6	+23 56	6.2	.061	dA8	- 33	c	9	VS	SB *
10528	27° 2948	165398		02.7	+27 06	7.2	.030	A3	+ 6	c	6	D	
10529	9 Ara	165024		02.7	-50 06	3.9	.025	Bin	+ 3.1	b	5	L	
10530	24637	165374		02.8	+16 55	7.2	.037	gM3	- 13	c	6	WL	SB (91) *
10531	A 11046A	165341		02.9	+02 31	4.3	1.127	dK1	- 7.2	a	31	L	Orb. Berman *
10532	A 11046B	.....		02.9	+02 31	6.0	.....	dK6	- 10	c	14	3	SB *
10533	24642	165566		03.0	+42 51	7.5	0.012	gKO	- 13.6	b	3	W	
10534	19° 4836	165285		03.0	-19 58	8.7	.035	B2ne	- 11	c	6	L	
10535	33° 3019	165504		03.0	+33 16	7.6	.191	dG2	- 7.2	b	3	W	
10536	22° 4557	165287		03.1	-22 07	8.9	.009	B5n	+ 5	d	6	L	
10537	24646	165567		03.1	+40 05	6.5	.032	F5	- 1.0	b	4	S	
10538	14° 4880	165319		03.1	-14 12	8.4	.016	B0	+ 30	d	2	Md	IS -9 c
10539	24647	165401		03.2	+04 39	6.8	.310	dF7	-123.5	b	4	WS	
10540	22° 4558	165288		03.2	-22 28	9.9	.036	B4	- 7	c	6	L	
10541	24650	165623		03.3	+42 57	7.2	.008	A2	- 21	c	5	D	
10542	24654	165524		03.4	+21 38	6.4	.012	gK3	- 35.2	b	5	V	
10543	A 11056A	165475		03.4	+12 00	7.0	.013	A0	+ 13	d	12	SV	SB (80) *
10544	A 11056B	165474		03.4	+12 00	7.4	...	A0	+ 16	c	2	Y	
10545	24656	165402		03.4	-08 20	5.8	*.020	B8	- 27	c	8	W	SB (62)
10546	24658	165645		03.5	+41 56	6.4	.105	FO	- 20	d	4	V	SB (38)
10507	24660	165438		03.6	-04 45	5.9	.141	sgK1	- 18.9	b	3	W	
10548	if Pav	105040		03.8	-63 40	4.4	.191	A5	- 15.6	b	12	LC	SB *
10549	A 11061B	166865		03.8	+80 00	6.2	.134	dF5	+ 3.9	a	42	V	Orb. Boothroyd
10550	A 11061A	1068661		03.9	+80 00	9.8	.127	dF6	+ 10.0	b	18	3	SB *

Cat. No.	Star	E.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	//		km/sec					
10551	24670	165625	18	03.9	+22	13	5.3	0.018	gM2	- 19.9	a	15	3	*
10552	24671	165683		04.0	+32	13	5.9	.032	K1	+ 1.0	b	4	D	
10553	24676	165626		04.1	+15	34	8.2	.222	dGO	+ 6.2	b	3	W	
10554	24678	165516		04.2	-21	27	6.2	.011	B0	- 11	c	12	LW	IS -14 c *
10555	NGC 6544	.....		04.3	-25	01	.....	.....	G1	- 12	e	4	L	Glob. cl.
10556	63° 1404	166091		04.3	+63	47	7.4	.048	gK5	- 69	c	2	L	
10557	25° 12744	166517		04.4	-25	07	8.7	.017	B0e	- 48	e	2	Md	IS +10 d
10558	28° 14163	.....		04.4	-28	31	9.8	.....	N	- 11	d	1	W	
10559	24683	165670		04.5	+08	52	7.7	.161	dF5	+ 32	c	10	W	SB (42)
10560	22° 4573	165612		04.7	-22	54	8.9	.044	B3n	- 16	c	5	L	
10561	24687	165493		04.8	-45	47	6.4	.032	B8	- 35	c	3	L	
10562	49° 2728	166011		04.8	+49	28	7.7	.020	gA8n	- 14.4	b	3	W	
10563	24692	165687		04.9	-17	10	5.7	.115	SK1	- 32.4	b	3	W	
10564	24693	165760		04.9	+08	44	4.7	.030	gG8	- 3.2	a	11	LB	*
10565	24694	165634		04.9	-28	28	4.7	.043	G4	- 4.5	a	5	L	
10566	24695	165777		05.0	+09	33	3.7	.100	A5	- 23.9	a	64	5	*
10567	24699	165848		05.1	+15	55	6.8	.149	*K1	+ 17.5	b	3	W	
10568	24700	165908		05.1	+30	33	5.2	.119	dF5	+ 1.0	a	20	5	*
10569	22° 4576	165689		05.1	-22	17	8.6	.022	B5	- 12	c	5	L	
10570	C 2402	166356		05.4	+65	04	7.4	.120	dG3	- 1.8	b	3	W	
10571	24709	165910		05.5	+13	04	6.5	.013	AOn	- 17	c	14	3	*
10572	AX Sex	.....		05.5	-18	34	8.1v	.....	cK1v	+ 15	e	5	W	RV
10573	22° 4579	165765		05.5	-22	44	9.9	.....	B4	- 20	c	6	L	
10574	W Dra	166407		05.5	+65	57	8.7v	.....	gM3e	- 21	c	2	W	Em -29 *
10575	o Her	166014		05.6	+28	45	3.8	.007	B9n	- 29.5	b	25	5	*
10576	16° 4720	165808		05.6	-16	26	8.1	.019	B5	- 16	c	5	L	
10577	25° 12786	.....		05.6	-25	22	10.8	.....	B5n	- 42	e	1	Md	
10578	24713	165784		05.6	-21	28	6.6	.017	cA2	- 16	c	5	W	IS -6.2 b 4
10579	24714	166207		05.7	+50	49	6.4	.099	K0	- 57.1	b	4	D	
10580	22° 4581	165812		05.7	-22	10	7.9	.033	B2	- 24	c	5	L	IS -11 c 3
10581	i Pav	165499		05.8	-62	01	5.5	.235	dF5	+ 29	c	6	LC	SB *
10582	A 11089B	166046		05.8	+26	05	6.0	.031	A3	- 17	c	10	VY	*
10583	A 11089A	166045		05.8	+26	06	5.9	.032	A3	- 15	c	11	VY	*
10584	24722	166228		05.9	+49	42	6.3	.016	A0	- 26	c	9	V	
10585	22° 4582	165857		05.9	-22	11	9.4	.014	B4	- 34	d	6	L	
10586	24724	166208		06.0	+43	27	5.1	.064	gG5	- 15.8	a	17	3	*
10587	DQ Her	.....		06.1	+45	52	1.3v	.....	Q	- 4	e	37	W	IS -21 c 11 *
10588	15° 4832	165945		06.2	-15	32	9.2	.016	A6p	- 15.9	b	4	W	
10589	24733	166253		06.3	+41	43	7.7	.050	gM4	- 16.8	b	4	W	
10590	24734	166095		06.3	+14	17	6.3	.024	A2	- 9.1	a	14	3	*
10591	24735	166229		06.3	+36	24	5.7	.212	gK3	- 6.6	a	11	VW	*
10592	30° 3133	106180		06.3	+30	59	7.3	.006	A0	- 20.7	b	4	D	
10593	9° 3570	106097		06.4	+09	26	10.0	.07	R4	- 19	c	2	xu	
10594	50 ³ 2527	166408		06.6	+50	52	8.3	.026	A8	- 40	c	2	L	
10595	22° 12627	.....		06.6	-22	20	10.2	.....	B2	- 10	d	2	Md	
10596	24740	166182		06.6	+20	48	4.3	.012	B2	- 14.5	a	82	7	IS -22.1 a *
10597	24743	166230		06*7	+20	02	5.2	.024	A4	- 16.3	a	41	6	*
10598	22° 4590	166054		06.8	-22	04	9.9	.009	B3	- 20	c	5	L	
10599	24748	166023		06.9	-30	44	5.6	.031	KG	0	c	2	LW	*
10600	24749	168409		06.3	*44	08		.030	F5	- 17.3	b	4	D	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			H.A.		DecL									
			h	m	o	r			km/sec					
10601	24° 13984	166056	18	06.9	-24	08	9.2	* . . .	B3	+ 44	e	1	Md	
10602	14° 4908	166125		06.9	-14	12	9.1	0.012	B3	- 19	c	6	L	
10603	W Ser	166126		07.0	-15	34	8.9 _v	.009	cG2v	- 13.4	b	101	WMd	E 14.2 *
10604	24754	166233		07.1	+03	59	5.7	.035	dFO _n	- 17	c	12	VW	*
10605	26° 12879	166129		07.2	-26	40	11.8	. . . .	R3	+ 10	d	1	W	
10606	T Her	166382		07.2	+31	01	6.8 _v	.006	gM3e	-122	c	2	W	Em -130 b *
10607	24758	166411		07.3	+30	27	6.6	.144	K1	- 79.6	b	4	D	
10608	24759	166303		07.3	+06	12	7.1	.053	K1	- 38	d	1	V	
10609	3° 3612	166284		07.3	+03	11	7.3	.029	K3	- 68	d	1	V	
10610	MSB 63	. . . . .		07.3	-26	55	10.0	. . . .	N	- 5	d	1	W	
10611	18° 4815	166188		07.4	-18	12	9.4	.011	B2ne	- 23	c	6	L	IS -16 d *
10612	24764	166285		07.4	+03	07	5.7	.196	dF4	- 14.4	b	13	3	*
10613	43° 2897	166516		07.4	+43	32	8.1	.028	gKO	- 23.6	b	4	W	
10614	24765	166435		07.4	+29	56	7.0	.102	G5	- 13.7	b	8	DS	*
10615	10° 3412	166331		07.5	+10	46	8.9	.020	B3	+ 22	c	8	L	IS -2 c
10616	€ Tel	166063		07.5	-45	58	4.6	.043	G5	- 26.3	a	8	LC	*
10617	24769	166114		07.5	-41	22	5.9	.046	A5	- 32	e	1	L	
10618	24771	166197		07.6	-33	49	6.2	.017	B3	- 31.7	b	3	L	
10619	19° 4882	166291		07.7	-19	11	9.1	.010	B4	- 22.8	b	6	L	
10620	16° 4737	166287		07.7	-16	50	7.6	.029	B3	- 17	c	6	L	IS -17 c 6
10621	16° 4739	166304		07.8	-16	43	9.7	.013	B4	- 23	c	9	LMd	IS -8 c *
10622	24775	166780		07.9	+57	58	7.4	.046	gK5	- 43	c	2	L	
10623	24777	166479		07.9	+16	28	6.1	.015	dF3	- 12.9	b	11	V	HD F2+A0
10624	24778	166620		08.0	+38	27	6.4	.567	dK2	- 18.7	b	6	VW	*
10625	30° 3142	166601		08.1	+30	50	8.0	.065	dF5	- 67	c	2	L	
10626	24783	166460		08.2	+03	19	5.7	.021	gK2	+ 9.5	b	3	W	
10627	24787	166640		08.2	+36	27	5.9	.012	gG7	- 26.4	b	3	W	
10628	16° 4744	166418		08.8	-16	43	8.7	.032	B0	+ 6.4	b	6	L	IS -22 c *
10629	20° 5020	166443		08.4	-20	43	8.7	.026	BO _e	- 1	q	6	L	
10630	24793	166821		08.6	+48	23	8.0	.067	dF8	+ 8.3	b	3	W	
10631	24799	166464		08.7	-23	43	5.1	.029	gKO	+ 4.4	a	7	LC	*
10632	NGC 6565	166468		08.8	-28	11	10	. . . .	Pc	- 4.9	b	5	L	Em PL neb.
10633	NGC 6563	166449		08.8	-33	52	10	. * »	Pb	- 31	c	4	L	Em PL neb.
10634	15° 4854	166539		08.8	-15	36	8.9	.041	Bin	0	c	6	L	IS -8 c 5
10635	16° 4747	166540		08.9	-16	54	8.3	.003	B1	- 1.6	b	5	L	IS -16 c
10636	15° 4856	166566		09.0	-15	42	8.1	.016	B1e	- 11	c	6	L	IS -9 c
10637	20° 5027	166546		09.0	-20	26	7.2	.019	B1	+ 1.3	b	6	L	IS -10 c
10638	18° 4829	166568		09.0	-18	44	10.3	» . . .	B2e	- 19	c	6	L	IS -25 c
10639	2° 4566	166642		09.1	-02	44	7.2	.040	K2	- 50	d	1	V	
10640	26° 3187	166781		09.1	+26	39	7.7	.031	cG3	- 39	c	2	L	
10641	VY Sgr	. . . . .		09.1	-20	43	11.9 _v	. . . .	. . . . .	- 6.0	b	7	W	Cep 13.6
10642	24810	167027		09.2	+56	15	7.5	.038	gK3	- 52.3	b	3	W	
10643	K 134-464	. . . . .		09.2	-14	31	9.9	. . . .	B0	- 14	d	2	Md	IS +20 e 1
10644	24812	166628		09.3	-19	27	7.1	.012	B3	+ 3.1	b	6	L	IS -11 c
10645	29 ^h 3199	166868		09.4	+29	40	7.5	.028	A2	- 6.3	b	6	D	
10646	26° 12929	166611		09.4	-26	45	9.3	.017	B1	- 23	d	2	Md	IS +17 d
10847	15° 4861	106666		09.4	-15	85	9.4	.015	B2e	- 4	d	6	L	
10648	24820	167042		09.5	+54	16	5.9	.272	sgKD	- 15.8	a	10	VW	m
10649	16 ^c 4752	116689		09.6	-16	24	7.3	.030	B1	- 4.6	b	5	L	IS -10 c
10658	NGC 6572	166802		09.6	+06	51	8.4	. » . . .	hd	- 8.7	a	46	3	Em PL neb. *

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
10651	15° 4864	166716	18	09.6	-15	23	8.0	0.006	B1	- 6	c	6	L	IS -7 c
10652	10° 4625	166734		09.6	-10	45	8.3	.016	BOe	- 11	c	5	L	IS -7 c W3
10653	24824	166596		09.7	-41	21	5.5	.018	B3	- 15.3	b	5	L	
10654	10° 3425	166843		09.8	+10	03	9.2	.019	F0	- 6	d	1	L	
10655	24829	166988		09.9	+33	26	5.8	.009	A2	- 32	d	4	V	SB (54)
10656	19° 4900	166787		10.0	-19	40	8.9	.032	B2	- 8	c	6	L	IS -10 c 4
10657	AP Sgr	166767		10.0	-23	08	<u>7.3</u> _v	.013	cGOv	- 18.0	b	10	W	Cep 5.06 *
10658	24831	167006		10.0	+31	23	5.0	.023	*M3	- 0.3	b	12	3	*
10659	15° 4868	166803		10.1	-15	12	8.1	.011	B2n	- 3.2	b	6	L	IS -12 c
10660	12° 3422	166976		10.3	+12	23	7.3	.021	FO _n	- 32	c	6	D	
10661	.....	.....		10.3	+14	55	10.3	.....	R4	+ 8	c	3	W	
10662	20° 5037	166826		10.3	-20	25	9.9	.....	B5	- 12	c	5	L	
10663	24843	167063		10.4	+33	17	7.1	.010	gMO	- 0.5	b	3	W	
10664	22° 4619	166852		10.4	-22	44	8.5	.004	B1	- 17	c	5	L	
10665	C 2407	167605		10.4	+69	40	9.1	.150	dKO	- 8.2	b	3	W	
10666	24847	167044		10.5	+24	20	7.1	.014	G0	- 28.6	b	4	SV	*
10667	24848	167387		10.5	+60	24	6.3	.014	A0	- 22	d	5	V	
10668	17° 5072	166920		10.6	-17	18	11.0	.....	B5n	- 22	c	5	L	
10669	24852	.....		10.7	+31	34	8.3	.008	gM1	- 15.9	b	3	W	
10670	NGC 6567	166935		10.7	-19	05	10.9	.....	Pd	+119.8	b	5	L	Em PL neb.
10671	24855	167106		10.8	+22	49	7.1	.023	eM2	+ 16.7	b	3	W	
10672	M Sgr	166937		10.8	-21	04	4.0	.003	cB8e	- 6.0	b	41	YW	IS -7.6 a *
10673	16° 4758	166963		10.8	-16	35	10.1	.....	B4n	- 20	c	5	L	
10674	18° 4844	166934		10.8	-18	50	8.7	.....	B9	+ 16	d	6	L	SB
10675	17° 5075	166964		10.8	-17	09	9.4	.029	B5n	- 26	c	5	L	
10676	19° 4909	160965		10.9	-19	00	9.7	.011	B3n	- 13	d	0	L	
10677	24861	160599		10.9	-63	04	5.0	.041	K0	- 6.5	b	4	L	
10678	24863	167134		11.0	+16	10	6.7	.072	F6	- 21.2	b	8	DS	*
10679	19° 4910	166999		11.1	-19	08	10.1	.....	B5	- 6	d	6	L	
10680	20° 5043	.....		<u>11.1</u>	-20	19	<u>9.7</u>	.....	Q7	+ 28	d	2	Md	
10681	20° 5042	167000		11.1	-20	40	9.7	.....	B5	- 20	c	6	L	
10682	24868	167304		11.1	+41	08	0.4	.053	KG	- 48.2	b	4	D	
10683	24869	167193		11.2	+21	52	0.2	.074	gK6	- 65.5	b	4	V	
10684	24871	167030		11.3	-21	44	5.7	.029	RK3	- 58.9	b	4	W	
10685	24874	167370		11.4	+38	40	5.9	.017	A0	- 9	d	5	V	SB (53)
10086	+0° 3885	167163		11.5	+00	11	9.2	.059	AO	- 2	d	4	L	
10687	20° 5044	167090		11.6	-20	29	10.3	.....	B5	- 10	c	5	L	
10688	19° 4917	167088		11.6	-19	04	9.1	.030	B3	- 10	c	6	L	IS -23 c 5
10689	06° 1087	107779		11.8	+66	08	7.3	••#.	gG5	- 14.9	b	3	W	
10690	20° 3191	167391		11.9	+26	45	8.1	.....	sgF5	- 15	d	2	L	
10691	NGC 6578	.....		11.9	-20	18	.....	.....	.....	+ 4.5	b	3	L	Em PL neb.
10692	24885	167278		12.0	+§G	10	7.9	.030	dF5	- 7.6	b	3	W	
10693	20° 5051	107225		12.0	-20	53	8.9	.010	gG7	- 13	c	3	L	
10694	22° 4035	167200		12.1	-22	28	9.4	.005	B4n	- 8.4	b	0	L	
10695	18 ^C 4857	167224		12.1	-18	58	8J	.....	B4	- 12.4	b	6	L	
10698	15° 4889	167246		12.1	-15	24	7.3	.015	RK1	- 17.5	b	4	W	
10697	24890	167472		12.2	+28	12	0.9	.045	KO	- 2.2	b	4	D	
10698	24893	167204		12.2	-20	45	5.4	.003	BO	- 6.3	b	10	WL	IS -6 c •
10699	24895	167263		12.2	-20	24	0.0	.004	B1	- 5	c	9	LW	IS -8 c *
10700	19° 4923	167287		12.3	-19	01	8.3	.020	BO	0	d	7	L	IS +1 c 0

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
10701	12° 4953	167311	18	12.4	-12	31	8.3	0.014	B2ne	- 4	c	6	L	IS -2 c 5
10702	15° 4892	167312		12.4	-15	00	10.7	....	B5	- 26	c	6	L	
10703	12° 4954	167330		12.4	-12	33	8.1	.015	BOn	- 36	d	8	L	
10704	15° 4893	167332		12.5	-15	58	10.1	.009	B8	- 24.2	b	6	L	
10705	18° 4863	167336		12.5	-18	22	9.4	.020	B5	- 3	c	6	L	
10706	24900	167356		12.6	-18	41	6.1	.013	cAO	- 1	c	4	W	
10707	14° 4950	167372		12.6	-14	35	11.0	....	B4	- 23.9	b	6	L	
10708	24903	167588		12.8	+29	12	6.5	.252	dF9	+ 2.6	b	4	V	
10709	TV Her	.....		12.8	+31	48	9.0v	....	gM4e	- 66	c	2	W	Em -77 *
10710	14° 4953	167409		12.9	-14	45	10.1	.043	B4	- 19.7	b	6	L	
10711	17° 5092	167397		12.9	-16	59	9.2	....	B0	+ 4	c	6	L	IS -4 c 4
10712	24906	167128		12.9	-56	02	5.5	.030	B5	+ 12	d	5	L	SB (64)
10713	18° 4869	167412		13.0	-18	27	9.4	....	B5	- 18	c	6	L	
10714	18° 4871	167411		13.0	-18	16	8.6	....	B3	- 8.1	b	6	L	IS -8 c 4
10715	17° 5095	167432		13.0	-17	08	10.6	....	B8	- 33.7	b	6	L	
10716	13° 4897	167451		13.1	-13	36	7.9	.060	B2	- 15	c	8	LMd	IS -2 d *
10717	18° 3606	.....		13.1	+18	28	10.0	.11	dML	+ 8	c	2	W	
10718	20° 5065	167436		13.1	-20	02	9.9	....	B4	- 28	c	8	L	
10719	W Lyr	167740		13.2	+36	39	7.2v	".024	gM4e	-174	d	1	W	Em -183 c *
10720	14° 4956	167497		13.2	-14	19	9.4	.005	B4n	- 22.4	b	6	L	
10721	18° 4873	167479		13.3	-18	49	8.8	.016	B3	- 10.6	b	6	L	IS -5 c
10722	K134-1269	.....		13.3	-14	38	9.8	....	B1	- 28	d	2	Md	IS +2 e
10723	18° 4875	167478		13.3	-18	27	10.3	!!!!	B5	- 26	c	6	L	
10724	BH Oph	.....		13.5	+12	05	11.5v	....	.....	+ 33.0	b	9	W	Cep 11.0
10725	4° 3675	167628		13.5	+05	00	9.0	.020	GO	- 26	c	2	L	
10726	24914	167654		13.6	+02	22	6.3	.019	gM4	+ 21.8	b	6	DW	*
10727	24916	168151		13.6	+64	23	5.0	.347	dF3	- 35.3	a	8	LW	*
10728	24918	167570		13.6	-20	34	7.1	.022	gG2	- 16.1	b	4	W	HD G5+A5
10729	13° 3578	.....		13.7	+13	55	10.2	.50	dMO	+ 11	c	2	W	
10730	24927	168092		13.8	+56	34	6.4	.029	dF1	- 7.5	a	07	V	Orb. Harper
10731	24933	167856		14.0	+30	23	7.0	.032	K0	- 58	c	2	S	
10732	10° 3452	167785		14.0	+10	48	7.9	.026	B5n	- 13.3	b	8	L	
10733	WZ Sgr	167660		14.0	-19	06	8.2v	.016	cG9v	- 11.0	b	10	W	Cep 21.8 *
10734	24936	167965		14.1	+42	08	5.4	.011	B8n	- 20.5	a	22	4	*
10735	24937	168009		14.1	+45	12	6.3	.135	dGO	- 64.4	b	4r	D	
10736	RY Oph	167766		14.1	+03	40	7.2v	.001	gM5e	- 65	c	2	W	Em -72 *
10737	i) Sgr	167618		14.2	-36	47	3.2	.218	gM4	+ 0.5	a	15	3	*
10738	24945	167768		14.3	-03	01	6.1	.270	gG1	+ 2.0	b	8	W	
10739	24946	167720		14.3	-17	24	6.0	.022	gK4	- 7.2	b	3	W	
10740	RS Sgr	167647		14.3	-34	08	6.0v	.021	B5+A2	+ 10	c	03	CdL	EA 2.42 *
10741	19° 4948	167722		14.4	-19	45	9.2	....	B3n	- 3	e	1	Md	IS -3 e
10742	24950	167771		14.5	-18	29	6.4	*.005	O8	+ 9	d	10	VL	IS -10.4 b *
10743	24953	167944		14.7	+12	03	7.1	.004	F5	+ 2	c	4	D	
10744	24954	167815		14.7	-19	42	7.6	.032	B2	- 7.5	b	10	LW	IS -22 c *
10745	24955	167838		14.8	-15	27	6.6	.022	B4	- 5.5	b	14	LW	IS -11.4 b *
10746	27° 2991	168038		14.8	+27	05	8.2	.002	GO	+ 14	c	4	D	
10747	II 4699	167672		14.8	-46	01	.....	....	Pd	-122	c	2	L	Em PL neb*
10748	24960	167863		14.9	-18	49	0.6	.011	B8	- 14.7	b	0	L	IS -20 We
10749	24961	107818		14.9	-27	04	4.7	.007	giC5	- 16.9	a	0	L	
10750	Kl 34-1627	.....		15.0	-13	52	10.9	....	cB4	- 2	d	2	Md	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
10751	19° 4955	.....	18	15.1	-19	08	10.0	0.053	cB2	+ 6	c	3	Md	IS -25 e
10752	24963	167756		15.1	-42	19	6.5	.012	B0	- 25.0	b	3	L	
10753	18° 4894	167902		15.1	-17	59	9.7	.....	B5	- 19	c	6	L	
10754	24969	167971		15.3	-12	16	7.3	.018	O8n	+ 1	c	11	L	IS -5.2 b *
10755	12° 4982	.....		15.4	-12	12	9.5	.021	B0	+ 23	c	3	Md	IS -2 e
10756	AR Pay	.....		15.4	-66	06	10.2 _v	.....	Bleq	- 51	c	5	Cd	E 605
10757	16° 4802	167999		15.5	-16	40	9.7	! \ !	B4	- 7.3	b	6	L	
10758	24973	168322		15.5	+40	55	6.1	.180	gG4	- 73.2	b	3	W	
10759	24974	168131		15.5	+11	51	7.0	.007	B8	- 3	c	5	S	
10760	24975	168653		15.6	+68	44	6.1	.063	gK1	- 10.3	b	4	W	
10761	24977	168199		15.8	+13	45	6.2	.028	B5n	- 20.7	b	7	V	
10762	13° 4925	168075		15.8	-13	49	8.9	.004	O8	+ 27	d	4	LW	IS +3 c *
10763	13° 4926	168076		15.8	-13	49	8.6	.027	O6e	+ 25	c	5	LW	IS +4.4 b *
10764	A11240AB	168021		15.8	-18	38	6.7	.011	B0	- 1	c	13	LW	IS -16 c *
10765	A 11240C	.....		15.8	-18	38	8.0	.012	B2	+ 26	e	3	W	
10766	26° 3215	.....		15.8	+26	38	9.2	.352	dK5	- 44	c	2	W	
10767	17° 5125	168078		15.8	-17	05	10.6	.....	B5	- 36	c	6	L	
10768	18° 4900	168080		15.9	-18	12	8.3	".026	B3n	+ 5	c	7	L	IS -5 c
10769	12° 4988	168112		15.9	-12	08	8.7	.044	B4	- 8	c	7	L	
10770	V928 Sgr	.....		15.9	-28	07	8.5 _v	.....	Q	+175	e	6	W	Em *
10771	24980	168270		15.9	+18	07	6.0	.013	AC	- 24	c	5	V	SB (32)
10772	24982	168323		16.0	+23	17	6.7	.022	K6	+ 3.3	b	4	D	
10773	19° 4958	168138		16.1	-19	29	9.4	.014	B4n	- 7.9	b	9	L	
10774	24983	168271		16.1	+12	58	6.6	.009	B9	- 12	c	5	D	
10775	13° 4932	168137		16.1	-13	50	9.2	.013	O9	+ 26	c	4	LW	IS -8 c *
10776	N 6611-4	.....		16.1	-13	51	9.6	.....	O9	+ 17	c	5	LW	IS -3.8 b *
10777	14° 4991	168183		16.1	-14	01	8.3	.035	BOn	- 4	d	6	L	SB
10778	15° 4921	168162		16.1	-15	30	9.7	.033	B2	- 33.1	b	6	L	
10779	16° 4806	168163		16.2	-16	19	9.1	.015	B5	- 15	c	6	L	
10780	14° 4994	168207		16.3	-14	11	10.1	.....	BOn	- 5	c	6	L	
10781	CV Ser	168206		16.3	-11	39	8.9 _v	.027	WC7+B	+ 10	c	44	Md	Em +45 *
10782	4° 4438	168245		16.3	-04	08	7.6	.025	cG7	+ 41	d	3	L	SB (48)
10783	15° 4923	168227		16.5	-15	38	9.0 _v	.018	R6	- 19	c	2	W	
10784	18° 4908	168230		16.5	-18	53	10.6	.....	B3	- 2	d	6	L	
10785	18° 4913	168279		16.7	-18	10	10.6	.....	B8	- 26	c	6	L	
10786	24995	168387		16.7	+07	14	5.6	.051	gK2	- 7.8	b	9	VW	*
10787	16° 4812	168302		16.8	-16	03	9.9	.018	B4n	- 41.1	b	8	L	
10788	24997	168431		16.8	+12	10	6.9	.012	B3	- 7.3	b	12	DS	*
10789	* Oct	167468		16.9	-75	04	5.6	.027	AOn	+ 1	c	3	L	
10700	12° 3469	168440		16.9	+12	31	7.3	.007	B2	- 5	c	10	DS	*
10791	17° 5136	168352		17.0	-17	06	9.4	.050	B2n	- 23	c	9	3	IS -28 c *
10792	25002	168481		17.0	+15	48	7.0	.012	A5	+ 1	c	4	D	
10793	A 11257A	168432		17.1	-04	59	7.8	... *	dF6	- 10.4	b	3	W	
10794	A 11257B	.....		17.1	-04	59	9.2	...	dG4	- 12.4	b	3	W	
10795	25003	168532		17.1	+24	25	5.5	*.009	gK4	- 13.9	a	31	V	Orb. Harper
10796	17° 5139	168368		17.1	-17	05	10.1	.021	B3	- 4	c	8	LW	IS -6 c *
10797	H 6613-9	.....		17.2	-17	06	10.2	.....	B3	- 9	e	1	W	IS +1 d
10798	1° 3474	1684421		17.2	-01	58	10.4	*.025	dM1	- 23.3	b	4	W	
10799	25006	168415		17.3	-15	51	5.7	.051	gK5	+ 30.5	b	3	W	
1080Q	25008	169027		17.3	+68	43	6.7	.096	A0	- 25.5	b	3	W	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
10801	17° 5141	168418	18	17.3	-17	01	9.7	.....	B3	- 20	d	6	L	
10802	25009	168499		17.3	+10	15	8.2	0.229	dG2	- 9.5	b	3	W	
10803	25013	168459		17.4	-08	00	6.6	.031	dF2	- 49.1	b	3	W	
10804	14° 5002	168444		17.4	-14	52	8.9	.012	B0	- 16	c	6	L	IS -23 c 4
10805	34° 3178	168621		17.4	+34	06	8.1	.014	dF4	- 20	c	2	L	
10806	15° 4930	.....		17.5	-15	05	<u>9.8</u>	.047	B0	+ 21	d	2	Md	IS -12 e
10807	18° 4919	168449		17.5	-18	30	11.0	.....	B5n	- 16	c	6	L	
10808	20° 5097	168451		17.6	-20	14	8.1	*.038	sgF6	- 30.2	b	4	L	
10809	17° 5144	168489		17.7	-17	46	8.9	.039	B1	- 8.0	b	6	L	IS -31 c 5
10810	6 Sgr	168454		17.8	-29	51	2.8	.050	gK2	- 20.0	a	43	CL	*
10811	NGC 6618	168520		17.9	-16	12	.....	.....	Pb	+ 7.2	b	4	L	Em Horseshoe
10812	25025	168694		17.9	+29	39	6.1	.007	gK4	- 36.4	b	7	aw	*
10813	κ Lyr	168775		18.1	+36	02	4.3	.048	gK1	- 22.3	a	9	LB	*
10814	17° 5149	168552		18.1	-17	11	8.7	.041	B3	- 7.4	b	6	L	IS -21 c
10815	25033	168720		18.2	+21	56	5.0	.060	gMO	- 32.8	b	10	LW	SB *
10816	17° 5151	168571		18.2	-17	24	8.3	.022	B2	- 4.8	b	7	L	IS -9 c 6
10817	25036	168656		18.4	+03	21	4.9	.010	gG5	+ 4.8	a	12	LB	*
10818	16° 4829	168607		18.4	-16	24	<u>9.7</u>	.039	cB9e	- 30	e	2	Md	IS +2 e
10819	16° 4830	168625		18.4	-16	24	<u>9.2</u>	.006	cB2	- 4	d	2	Md	IS -13 c
10820	Y Sgr	168608		18.4	-18	53	5.4v	.016	cG1v	- 3.2	a	92	LW	Cep 5.77 *
10821	25039	168574		18.4	-24	56	6.4	.006	gM5	+ 3.4	b	4	W	
10822	25040	168812		18.5	+28	58	6.5	.010	A0	- 7	c	4	W	
10823	∩ Pav	168339		18.6	-61	31	4.2	.003	M1	+ 12.2	a	38	CL	Orb. *
10824	NGC 6620	.....		18.7	-26	52	.....	.....	.....	+ 72.6	b	3	L	Em PL neb.
10825	? Ser	168723		18.7	-02	55	3.4	.894	sgG8	+ 8.9	a	30	5	*
10826	25047	169028		18.8	+51	19	6.2	.068	gK1	- 10.3	b	6	W	
10827	17° 5155	168673		18.8	-17	18	9.4	.006	A0	- 38	d	4	W	SB
10828	17° 5154	168675		18.8	-17	55	9.4	.012	B4	- 6	d	6	L	
10829	25049	168874		18.8	+27	30	7.1	.111	dG4	- 18.5	b	3	W	
10830	25051	168592		18.9	-38	41	5.1	.047	MO	+ 17.8	b	3	L	
10831	25052	168701		18.9	-16	21	7.7	.013	gKO	+ 21.8	b	5	W	HD K0+A
10832	25053	168852		19.0	+20	55	7.4	.003	AO	- 19	c	7	S	
10833	16° 4837	168726		19.0	-16	38	9.7	.....	B7	- 7	c	6	L	
10834	25054	168797		19.0	+05	25	6.0	.011	B5ne	- 9	c	6	V	IS -13.6 b *
10835	25056	168913		19.0	+29	50	5.5	.054	A4	- 20.2	a	47	A	Orb. *
10836	XZ Sgr	168710		19.0	-25	16	<u>9.2v</u>	.043	A3+G	+ 8.2	b	45	Cd	EA 3.28 *
10837	25057	168914		19.1	+28	51	5.0	.047	A5	- 29	c	12	3	*
10838	17° 5158	168748		19.1	-17	08	10.6	.....	B5	- 32	c	6	L	
10839	17° 5159	168765		19.2	-17	27	9.9	.022	B4	- 17.7	b	8	L	
10840	A 11282B	.....		19.4	-15	07	8.0	.031	gF5	- 25	e	2	W	
20841	A 11282A	168815		19.4	-15	07	7.4	.025	gK5	- 28.6	b	3	W	
10842	20° 5108	.....		19.4	-20	00	<u>9.4</u>	.057	B0	+ 17	d	2	Md	IS +13 d
10843	25063	168957		19.4	+25	02	6.9	.014	B5e	- 41.2	b	4	V	IB -16.5 b
10844	25064	168814		19.4	-14	25	7.3	*045	cA2	- 15	c	4	W	
10845	25G67	168733		19.5	-36	42	5.4	.021	B8	- 11.8	b	0	L	
10846	25071	1S9508		19.8	+67	25	7.1	.031	gM3	- 22.7	b	3	W	
10847	25073	169221		19.9	+49	42	6.5	.021	KB	- 17.0	b	4	0	
10848	A 11292A	.....		19.9	+11	24	9.4	.061	gKO	- 16.0	b	3	W	
10849	A 11292B	.....		19.9	+11	24	10.4	.....	gM2	- 48	c	3	W	SB (22)
10850	25077	1696001		19.9	+71	30	7.8	.072	gF2	- 40.4	b	3	W	

Cat. No.	Star	an. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'		km/sec						
10851	14° 5017	168917	18	19.9	-14	23	8.6	0.019	B5	- 16	c	6	L	
10852	25082	169110		20.1	+23	16	5.7	.073	gK5	- 57.6	b	8	SW	*
10853	25084	169111		20.3	+12	00	5.9	.014	A0	- 55.3	b	5	V	
10854	25085	169305		20.3	+49	06	5.1	.057	gM2	+ 13.6	a	9	LV	*
10855	27° 12783	168941		20.3	-26	59	9.3	.038	B0	+109	e	2	Md	IS -14 d
10856	AY Sgr	.....		20.4	-18	36	10.6v	.....	.....	- 26.5	b	10	W	Cep 6.57
10857	7° 3661	169113		20.4	+07	10	7.6	.021	gK2	- 31.8	b	3	W	
10858	16° 4852	169014		20.4	-16	44	9.4	.015	B5	- 8	c	6	L	
10859	13° 4958	169034		20.5	-13	37	8.3	.018	B3	- 7	c	6	L	
10860	NGC 6624	168943		20.5	-30	23	9.5	.....	G4	+ 69	c	4	L	Glob. cl.
10861	14° 3506	169169		20.6	+14	59	7.3	.022	A3	- 12.2	b	13	SD	*
10862	25093	169191		20.6	+17	48	5.5	.068	gK2	- 18.7	a	13	3	*
10863	25094	168905		20.7	-44	08	5.4	.024	B5n	+ 14	d	3	L	
10864	25098	169223		20.8	+16	40	6.4	.031	K0	+ 14.7	b	6	D	
10865	£ Sgr	169022		20.9	-34	25	2.0	.135	AOn	- 11	c	5	L	
10866	t Set	169156		20.9	-08	58	4.8	.058	gKO	- 5.6	a	41	LC	SB *
10867	K L34-2608	.....		21.0	-14	10	10.4	.....	B0	+ 23	d	2	Md	IS -6 d
10868	25106	169247		21.1	+14	40	6.7	.034	B9	- 16	c	6	D	
10869	X UMi	183030		21.4	+89	03	6.6	.028	gM4	+ 1.9	b	9	VW	*
10870	43° 2962	169510		21.4	+43	55	8.2	.017	gG7	+ 1.0	b	4	W	
10871	\$ Dra	170000		21.5	+71	19	4.2	.038	AOp	- 17	c	40	4	SB *
10872	V355 Sgr	.....		21.5	-16	57	9.1v	.....	A3	+ 10	d	1	W	RR 0.46
10873	NGC 6626	169199		21.5	-24	54	8.5	.....	GO	+ 1	c	6	LLw	Glob. cl. *
10874	N 6626-4	.....		21.5	-24	53	13.9v	.....	G3-G4	+ 4	c	2	W	
10875	25116	169414		21.6	+21	45	3.9	.317	gK2	- 57.5	a	19	5	*
10876	W Set	.....		21.7	-13	41	9.7v	.....	B3+B0	- 16	b	43	Md	EA 10.3 *
10877	18° 4951	169271		21.8	-18	19	9.4	.033	B4	- 11	d	6	L	
10878	XX Sgr	169315		21.8	-16	50	9.0v	.005	cG3v	+ 2.5	b	9	W	Cep 6.42
10879	Lee 117	.....		21.9	+06	02	11.2	.....	RO	+ 34	c	2	W	
10880	X Dra	170153		22.0	+72	43	3.7	.636	dF5	+ 32.5	a	75	L	Orb. *
10881	25129	169617		22.0	+38	19	6.8	.005	A1	- 13.2	b	5	S	
10882	15° 3453	169491		22.1	+15	38	7.4	.009	B5n	- 19	c	9	SD	*
10883	25130	169646		22.3	+38	43	6.4	.022	K2	- 40.2	b	4	D	
10884	17° 5187	169419		22.3	-17	33	9.4	.020	BOn	+ 2.6	b	6	L	
10885	25131	169493		22.4	-01	36	6.1	.023	dF2n	- 10.2	b	7	SW	*
10886	RZ Dra	.....		22.4	+58	52	10.0v	.....	A5p	- 16	b	39	Md	EB 0.55 *
10887	25132	169420		22.4	-20	34	5.0	.030	gK1	- 11.8	a	16	3	*
10888	25133	169454		22.4	-14	00	6.8	.009	cBOe	- 25.2	b	10	L	IS -7.0 b *
10889	A 11326A	169457		22.5	-16	32	9.8	.....	dF3	- 28	c	3	W	
10890	A 11326B	.....		22.5	-16	32	10.8	.....	dF8	- 16	c	2	W	
10891	25134	169746		22.5	+43	53	7.0	.023	gM2	- 46.4	b	3	W	
10892	II Lyr	169702		22.6	+39	29	5.0	.025	A2	- 25	c	11	VY	SB *
10893	NGC 6629	169460		22.0	-23	13	9.9	< . . .	Pd	+ 13	c	4	L	Em PL neb.
10894	25138	169398		22.6	-33	58	6.4	.002	B7	- 6.0	b	3	L	
10895	9° 3699	169576		22.6	+09	42	7.9	.014	gK2	- 16.9	b	3	W	
10896	RY Set	169515		22.7	-12	43	9.4v	.017	Bep	-145	b	25	Md	2m +35 *
10897	25145	169885		22.7	+53	16	0.2	.020	A2	- 3.7	b	3	V	
10898	25147	109718		23.0	+27	22	6.2	.007	AO	- 27	c	15	V	SB (94)
10899	25150	189405		23.1	-48	09	5.5	.047	G4	+ 3.8	b	9	LC	SB *
10900	25151	170073		21.2	+58	48	4.8	.072	A2	- 13	c	24	3	SB *

Cat. No.	Star	H.D. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.										
			h	m	o /		''	km/sec						
10901	25153	169689	18	23.2	+08 00	5.7	0.008	gG2	- 8	c	15	VW	SB (51) *	
10902	<x Tel	169467		23.3	-46 00	3.8	.052	B6	- 0.8	b	8	L		
10903	25155	169798		23.4	+22 41	6.7	.024	B5	- 17.2	b	4	V		
10904	15° 4970	169673		23.5	-15 40	7.2	.018	Bin	- 16.8	b	8	L	IS -16 c 7	
10905	46° 2481	170002		23.6	+46 14	8.1	.019	sgF5-	- 11	c	2	L		
10906	25160	169820		23.7	+14 56	6.4	.018	B9	- 25	d	6	D		
10907	16° 4875	169695		23.7	-16 42	10.6	. . . *	B8	- 25.7	b	6	L		
10908	38° 3166	169952		23.7	+38 25	7.1	.04	AOn	- 9.1	b	8	S		
10909	CC 1088	169822		23.8	+08 45	7.9	.532	dG2	- 22.0	b	3	W		
10910	RZ Set	169753		23.8	-09 14	7.7v	.012	B2	- 28.3	a	128	LMd	EA 15.2 *	
10911	13° 4979	169727		23.8	-13 41	9.4	.021	BOn	- 13	c	6	L		
10912	21° 5004	169704		23.8	-21 33	9.9	.033	B4	- 16	c	6	L		
10913	11° 4631	169754		23.9	-11 23	8.1	.010	Bin	+ 32	d	9	LMd	IS +17 e *	
10914	CC 1089	169889		24.0	+08 36	8.5	.492	dG7	- 25	c	3	W		
10915	14° 5050	169755		24.0	-14 32	9.7	. . . .	B3n	- 1	c	6	L	
10916	25165	169981		24.0	+29 48	5.7	.028	A3	+ 8.5	a	31	V	Orb. Young	
10917	17° 5198	169827		24.3	-17 19	9.1	.037	B6	- 11	c	8	L		
10918	25169	170028		24.3	+26 12	6.8	.017	B3n	- 24.8	b	5	V		
10919	SV Her	. . . . .		24.3	+25 00	8.9v	. . . .	gM5e	- 23	e	2	W	Em -32 *
10920	8° 3696	169957		24.4	+08 04	8.9	.127	dGO	+ 42	c	3	W		
10921	25172	170051		24.5	+26 26	6.9	.021	B5	- 24.4	b	5	V		
10922	RV Sgr	169831		24.6	-33 21	7.2v	. . . .	gM5e	+ 24	c	2	W	Em +12 *
10923	A 11353A	169986		24.6	+00 10	5.3	.011	G0+A0	- 23.3	a	184	4	W	IS -16 c 6 *
10924	A 11353B	169985		24.6	+00 10	7.8	. . . .	A2	- 22.2	b	4	W	
10925	25178	170111		24.7	+26 25	6.4	.008	B5n	- 18	c	12	V	IS -13.1 b *	
10926	6° 3373	170053		24.8	+06 59	7.6	.017	cK2	- 30.5	b	3	L		
10927	X Sgr	169916		24.9	-25 27	2.9	.194	gK1	- 43.3	a	25	CL	*	
10928	X Tel	169767		25.0	-49 06	4.1	.281	K0	- 30.6	a	11	LC	*	
10929	N 6633-14	. . . . .		25.0	+06 30	8.3	. . . .	G5	+ 15	e	4	W	
10930	25186	169990		25.0	-17 50	6.0	.007	B8	- 34.9	b	4	W		
10931	14° 5062	170061		25.2	-14 44	10.6	.038	BOne	+ 9	c	7	L		
10932	6° 3780	170114		25.2	+06 30	8.6	.012	A5	- 34.5	b	3	W		
10933	25190	170357		25.2	+46 03	8.3	.405	dGO	- 86.0	b	4	W		
10934	25194	170137		25.3	+03 43	6.1	.011	g&3	- 19.3	b	7	DW	*	
10935	16° 4888	170097		25.5	-16 44	8.5	.013	BOn	+ 14	d	10	L		
10936	25206	170314		25.7	+24 40	7.0	.013	AOn	- 26	c	8	S	SB (50)	
10937	X Oct	164461		25.8	-87 39	5.2	.140	K5	+ 34.0	b	4	L		
10938	13° 4992	170159		25.8	-13 02	8.7	.011	B2n	- 8.8	b	6	L		
10939	13° 4993	170177		25.8	-13 32	9.4	.014	B1	+ 13	d	6	L		
10940	25209	170040		25.8	-38 53	6.6	.012	B8n	- 28	c	3	L		
10941	25212	170693		25.8	+65 32	5.0	.104	gK1	+ 32.4	a	10	LW	*	
10942	6° 3797	170291		25.9	+06 48	7.6	.065	F5	- 51.5	b	4	V		
10943	25218	170235		26.3	-25 17	6.2	.007	B2e	. . . . .	. .	1	We	IS -10 c
10944	y Set	170296		26.3	-14 36	4.7	.002	A3n	- 41	c	17	LY	*	
10945	T Ser	. . . . .		26.4	+06 16	8.8v	. . . .	gM7e	+ 4	c	2	W	Km -10 *
10946	25225	171299		26.6	+77 32	7.8	.048	dG8	- 6.9	b	3	W		
10947	43° 2984	170594		26.7	+43 54	7.8	.007	A3	+ 3	c	3	W		
10948	v Pav	169978		26.7	-62 19	4.8	.048	BSn	+ 59.2	b	4	L		
10949	44° 2906	170615		26.8	+44 14	7.7	.018	gK2	- 29.8	b	3	W		
10950	38° 12843	170282		26.9	-38 27	10.3	. . . .	R5	- 75	d	i:	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.											
			<i>h</i>	<i>m</i>	<i>o</i>	<i>l</i>		<i>rt</i>	km/sec						
10951	25232	170397	18	26.9	-14	37	6.0	0.029	A2	- 15.8	b	4	W	Orb. Christie	
10952	25233	170811		27.0	+59	31	6.5	.067	gG8	- 9.6	b	3	W		
10953	25234	170474		27.1	-02	01	5.4	.043	gG8	+ 27.5	a	50	W		
10954	13° 5003	170452		27.2	-12	59	8.5	.047	B5	- 14	c	7	L		
10955	14° 5081	170453		27.2	-14	15	9.9	B2n	+ 5	c	6	L		IS -2 c 4
10956	16° 4903	170456		27.2	-16	14	8.3	.005	dF1	- 7	d	3	L	SB (41)	
10957	25239	170433		27.3	-18	46	5.8	.105	gKO	- 1.4	b	3	W	IS -17.6 b *	
10958	C 2425	170493		27.3	-01	51	8.2	.261	dK5	- 53.3	b	3	W		
10959	25250	170650		27.5	+23	50	5.7	.011	B5	- 17	d	7	V		
10960	SS Sgr	170495		27.5	-16	56	9.0v	....	R3	0	c	2	W	
10961	25256	170580		27.6	+04	02	6.5	.022	B5	- 22.2	b	4	V		
10962	25263	170479		27.8	-33	01	5.4	.049	A3	+ 9.2	b	3	L	Glob. el.	
10963	18° 3707	170698		27.9	+18	33	7.6	.012	gG6	0	c	2	L		
10964	NGC 6638	.....		27.9	-25	32	10.2	....	G3	- 14	e	5	L
10965	26° 3279	170737		27.9	+26	38	8.4	"All	G5	-139	c	4	D		
10966	13° 5011	170581		28.0	-13	40	9.4	.028	B3	+ 19	c	6	L		IS +15 c
10967	25269	170465		28.1	-45	57	5.0	.038	B8	- 15	d	11	L	SB (137)	
10968	16° 4907	170604		28.1	-16	37	8.7	.003	B1	- 5	c	6	L	IS +3 c 5	
10969	NGC 6637	170534		28.1	-32	23	8.9	G5	+ 95	c	5	L	Glob. cl.	
10970	AC Her	170756		28.2	+21	50	7.1v	.002	cG3ev	- 30	b	13	W	RV 75.2 *	
10971	25271	170699		28.2	+04	29	6.8	.022	A3n	- 38.9	b	8	S	SB EA 1.78 *	
10972	25273	170523		28.3	-45	48	5.3	.011	B9	- 6	c	11	L		
10973	RX Her	170757		28.3	+12	35	7.1v	.007	A0+A0	- 24.9	b	12	W		
10974	25276	170657		28.4	-18	57	7.0	.242	dKO	- 46.5	b	6	3		W
10975	14° 5090	170700		28.5	-14	09	9.1	.006	B0	0	c	6	L		IS -1 c 4
10976	19° 5036	170682		28.5	-19	12	8.6	.022	B6	+ 4	d	2	L	* Cep 4.20 *	
10977	5° 4678	170714		28.5	-05	50	7.3	.018	B5n	- 15.8	b	18	LV		
10978	X Set	.....		28.5	-13	09	10.1v	....	cG4v	+ 7.0	b	7	W
10979	25279	170680		28.5	-18	26	5.2	.028	B9n	- 37	c	9	LW		
10980	7° 3724	170780		28.5	+08	03	7.6	.014	gM2	- 22.9	b	3	W		
10981	25280	170829		28.5	+20	47	6.6	.261	G8	- 59.0	a	39	D	Orb. Norris Cep 14.7	
10982	UZ Set	.....		28.6	-12	58	12.5v	....	.....	+ 12	c	5	W
10983	12° 5083	170716		28.6	-12	22	8.9	.006	B1	+ 2	c	6	L	IS -12.6 b *	
10984	4° 3778	170783		28.6	+04	35	7.7	.016	B5n	- 10	c	8	L		
10985	25282	170740		28.7	-10	50	5.8	.019	B3	- 16.8	b	9	VW		
10986	19° 5042	170719		28.7	-19	08	8.2	.040	B7	- 3	c	3	L		
10987	25284	170878		28.8	+16	54	5.7	.053	A0	- 9.4	b	10	VS		*
10988	25285	170642		28.9	-39	44	5.2	.053	A2n	- 2	c	5	L	Cep 6.74 *	
10989	U Sgr	170764		28.9	-19	10	7.3v	.010	cG1v	- 2.0	b	8	W		
10990	15° 5002	170796		29.1	-15	42	9.7	....	B5	+ 2	d	6	L	
10991	2 ^C 4647	170857		29.2	-02	27	7.4	.039	K3	- 32	d	1	V	Em Pi. neb.	
10992	25300	170820		29.3	-19	10	7.3	.011	K0	- 13	e	1	L		
10993	19° 5055	170835		29.3	-19	15	9.1	....	B4	+ 38	e	2	L	
10994	25302	170920		29.4	-01	02	5.8	.012	A2	- 27.3	b	5	S		
10995	NGC 6044	170839		29.5	-25	10	a.6	....	Pd	+193.9	b	6	L	
10996	25306	170886		29.5	-19	01	7.7	.016	KQ	- 14	d	2	L	IS -9 c 3	
10997	15° 5004	170938		29.3	-15	44	8.7	.027	B0	+ 27	d	6	L		
10998	25310	170975		29.9	-14	54	5.9	.007	cK5	+ 1.1	b	3	V		
10999	9 ^C 3758	171049		29.9	+09	58	9.1	.025	K2	+ 19	d	1	L		
11000	TY Oph	1708311		29.9	+04	21	8.4v	N	- 19	c	3	W		Irr

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'			km/sec					
11001	6 CrA	170845	18	29.9	-42	21	4.7	0.036	G5	- 2.1	b	13	CL	*
11002	25314	170867		29.9	-38	46	6.0	.033	B8n	- 20	c	3	L	
11003	25315	170868		29.9	-38	45	6.6	.035	B9	- 16	c	3	L	
11004	9° 3760	171068		30.0	+09	59	9.5	.008	A0	- 46	e	1	L	
11005	25317	171242		30.0	+44	59	8.1	.378	dF8	- 3.6	b	3	W	
11006	4° 3785	171089		30.2	+04	16	7.5	.024	K6	- 3.5	b	3	V	
11007	25320	171012		30.2	-18	24	7.0	.013	BOe	- 17.5	b	8	L	IS -7 c *
11008	14° 5102	171054		30.3	-13	57	9.4	.010	B4	+ 2	c	6	L	
11009	T Lyr	.....		30.6	+36	58	7.8v	.008	R6	- 12	b	4	W	Irr
11010	25327	171034		30.7	-33	03	5.4	.017	B3n	- 17	c	4	L	
11011	25328	171245		30.7	+23	35	6.0	.012	gK5	- 4.3	b	4	W	
11012	CC 1091	.....		30.7	-11	40	8.8	.407	dMO	- 83.7	b	3	W	
11013	25334	172864		30.8	+83	09	6.2	.028	A2	- 11.2	b	3	V	
11014	25336	171115		30.8	-24	04	5.7	.013	cK4	- 14.2	b	3	W	
11015	II 4732	171131		30.9	-22	41	.....	.....	Pd	-145.4	b	5	L	Em PL neb.
11016	25340	171301		30.9	+30	31	5.4	.007	B8	- 9.5	b	28	4	*
11017	13° 3683	.....		31.0	+13	08	10.6	.284	sdF5	+112	d	1	Md	
11018	12° 5104	171198		31.1	-12	18	9.2	.009	BOn	+ 54	d	9	L	
11019	25348	171653		31.1	+65	24	6.3	.074	A3	- 9.3	a	54	V	Orb. Petrie
11020	CC 1093	171314		31.2	+22	17	9.3	.492	dM1	+ 36.5	b	3	W	
11021	25357	171406		31.5	+30	51	6.4	.007	B5n	- 4	c	9	V	
11022	25358	171237		31.5	-24	16	6.4	.005	cF3	+ 9.7	b	3	W	
11023	25360	171365		31.5	+17	42	7.0	.029	F5	- 48	c	3	S	
11024	14° 5114	171293		31.7	-14	27	10.1	.....	B4	- 25.6	b	7	L	
11025	25362	171635		31.7	+57	00	5.0	.011	cF8	- 12.4	a	20	3	*
11026	25364	174878		31.8	+86	38	6.8	.030	gM3	- 36.3	b	3	W	
11027	25366	169904		32.0	-81	51	6.3	.015	AOn	- 12	c	3	L	
11028	6° 3846	171427		32.1	+06	25	7.2	.021	K1	- 19	d	1	V	
11029	25371	171487		32.2	+20	26	6.4	.006	A2	-* 9	c	8	V	SB (60)
11030	25372	172340		32.2	+77	31	5.8	.002	gK4	+ 1.1	b	3	W	
11031	25374	171391		32.3	-11	01	5.2	.046	gG7	+ 6.6	a	8	LC	*
11032	34° 3238	171568		32.3	+34	24	7.4	.046	gG8	+ 2.6	b	4	W	
11033	14° 5121	171392		32.3	-14	21	10.3	.....	B5	- 3	c	6	L	
11034	22° 4790	171348		32.3	-22	08	8.1	.020	B3e	- 9	c	7	L	
11035	SV Dra	.....		32.4	+49	20	8.0v	.....	gM6e	+ 22	c	2	W	Em +15 *
11036	25379	171654		32.4	+46	11	6.7	.011	A0	- 10	c	5	⊕	
11037	25381	171505		32.4	+10	51	6.4	.009	AO	- 36	c	3	V	
11038	25382	171394		32.4	-19	19	7.2	.022	gM5	- 24.3	b	3	W	
11039	a Set	171443		32.5	-08	17	4.1	.314	gK5	+ 35.8	a	19	LB	*
11040	NGC 6652	.....		32.5	-33	02	9.9	.....	G3	-124	e	4	L	Glob. ci.
11041	-0° 3513	171491		32*6	00	00	8.3	.054	B5	- 20	c	6	L	
11042	C 2438	171620		32.7	+34	22	7.8	.279	dF7	- 32.3	b	3	W	
11043	18° 5008	171432		32.7	-18	36	8.1	*.». .	B3	+ 12.8	b	6	L	IS -9 c
11044	25394	234677		32.7	+51	41	8.3	.365	dM1	- 27	c	5	WMd	*
11045	9° 3776	171551		32.8	+10	01	9.3	.046	F8	+ 15	d	1	L	
11046	25396	171779		32.8	+52	19	5.4	.008	gG5	- 23.6	b	7	LW	
11047	15° 5024	171469		32.8	-15	46	9.4	.015	B2e	+ 3	c	6	L	
11048	25393	171823		33.0	+18	10	5.7	.008	AO	- 20	d	6	V	
11049	N 6656-9	.....		33.0	-23	59	12.7v	.....	G2-G5	-153	c	3	W	
11050	N §650-5	.....		33*1	-23	59	12.0v	.....	G0-G6	-130	c	5	W	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'		"	km/sec					
11051	25401	171586	18	33.1	+04	54	6.7	0.044	A4p	- 10.9	b	3	W	
11052	20° 3851	171656		33.2	+20	09	9.1	....	A	+ 13	e	1	L	
11053	25402	171871		33.2	+51	04	7.4	.012	B2	- 57.9	b	4	V	
11054	sz Lyr	.....		33.2	+46	07	10.3v	....	gM6	- 54	c	5	W	SR 133
11055	NGC 6656	171560		33.3	-23	58	<u>6.5</u>	....	F6	-148	c	6	LLw	Glob. cl. *
11056	N 6656-8	.....		33.3	-23	59	<u>12.0v</u>	....	G2-G5	-174	d	2	W	
11057	N(3656-11	.....		33.3	-23	58	<u>12.6v</u>	....	A8-F2	-147	c	3	W	
11058	25404	171911		33.4	+51	44	6.7	*.061	gM4	- 86.5	b	3	W	
11059	14° 5131	171589		33.4	-14	09	8.8	.030	B3n	+ 15	c	6	L	IS +7 c
11060	Ross 711	.....		33.4	+28	40	11.4	....	sdA5	- 72	c	2	Md	
11061	25406	171780		33.4	+34	25	5.9	.001	B5n	- 13	d	7	V	IS -17 c *
11062	25407	171745		33.4	+23	34	5.8	.002	gG8	+ 15.9	b	3	W	
11063	25409	171610		33.4	-06	47	7.0	.010	K2	- 61	e	1	V	
11064	A 11483A	171746		33.7	+16	56	6.8	.085	dG0	+ 9.6	b	4	W	
11065	A 11483B	.....		33.7	+16	56	7.2	....	dF8	+ 2.1	b	3	W	
11066	20° 5196	171611		33.7	-20	21	7.4	.014	B4	- 22.8	b	6	L	
11067	CC 1095	.....		33.8	+45	41	9.8	.56	dM2	- 25	c	5	WMd	*
11068	25416	171706		33.8	-04	37	8.0	.205	dF9	+ 20	c	2	L	
11069	25418	171662		33.9	-15	59	7.4	.033	gK5	- 17.5	b	3	L	
11070	25422	171802		34.1	+09	05	5.4	.128	dF2	- 21.8	a	8	LW	*
11071	25427	171834		34.2	+06	38	5.4	.146	dF1	- 21	c	15	3	SB (59) *
11072	RX Set	171804		34.4	-07	39	7.1v	.011	N	- 7	c	3	W	Irr
11073	25433	171913		34.4	+15	24	6.9	.013	K0	- 30	c	3	S	
11074	6° 3859	171887		34.6	+06	22	7.3	.019	M0	- 21	d	1	V	
11075	18° 3747	171974		34.6	+18	54	7.5	.011	K5	+ 5	e	1	V	
11076	RZ Her	172008		34.8	+26	00	8.8v	....	gM5e	+ 38	c	8	W	Em +24 *
11077	25443	172044		34.8	+33	26	5.5	.025	B9	- 27.1	a	22	4	*
11078	25444	172323		34.8	+63	39	8.1	.253	dF6	- 11	c	7	W	
11079	25446	171975		34.9	+11	23	6.4	.029	A0	- 27	c	3	V	
11080	25449	171994		34.9	+16	09	6.4	.043	K0	- 46.0	b	4	D	
11081	25452	171893		35.0	-17	17	6.8	.001	dF3	- 4.7	b	4	W	
11082	25456	171978		35.0	-00	21	5.8	.025	A3	+ 12.4	a	23	V	Orb.. Petrie
11083	25459	172085		35.1	+24	23	7.4	.155	dF9	- 36.7	b	6	W	
11084	25464	172187		35.2	+43	11	6.3	.027	A5	+ 2	c	15	DV	SB *
11085	α Lyr	172167		35.2	+38	44	0.1	.345	A1	- 13.9	a	304	7	*
11086	25470	172013		35.3	-02	38	7.1	.024	K0	- 24	d	1	V	
11087	Y Set	.....		35.3	-08	25	10.4v	....	cK1v	+ 6.5	b	10	W	Cep 10.3 *
11088	25472	172028		35.4	-00	26	171	*.031	B3	- 12.8	b	6	L	IS -18 c 3
11089	Y Lyr	.....		35.7	+43	55	11.9	....	.....	-110	d	1	W	RR 0.50
11090	25481	172088		35.8	-03	14	6.5	.038	dF8	- 20.9	b	8	W	
11091	25484	172051		35.9	-21	06	5.9	.174	dG4	+ 35.6	b	3	W	
11092	X Qph	172171		36.0	+08	47	5.9Y	.007	gMSe	- 71	d	1	W	Em -84 b *
11093	25488	171967		36.0	-43	14	5.4	.078	M4	+ 28.5	a	5	LC	*
11094	25491	172569		36.1	+65	27	6.0	.082	A3	- 16	c	4	D	SB (24)
11095	CC 1098	172310		36.3	+28	53	8.2	Am	dG8	+ 27.9	b	3	W	
11096	7° 4642	172175		36.3	-07	54	9.4	.009	BOne	- 8	d	8	L	
11097	25498	172669		36*4	+80	52	7.6	.120	dG2	- 5.9	b	5	WL	*
11098	14° 5144	172176		36.4	-14	44	9.9	....	B5	- 36	c	7	L	
11099	25501	.....		36.4	+20	35	9.2	.219	dG2	+ 29.0	b	3	W	
11100	XY Lyr	172380		36.5	+39	37	6-lv	.005	cM4	- 19.1	b	7	WV	Irr *

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'		//	km/sec						
11101	25503	172393	18	36.5	+42	37	8.7	0.293	dKO	+ 32.0	b	3	W		
11102	25504	172234		36.6	-02	00	7.2	.047	K2	- 36	d	1	V		
11103	30° 3255	172381		36.7	+30	25	7.3	.020	gM2	- 61	c	2	L		
11104	12° 5132	172252		36.9	-11	55	8.7	.011	BOne	- 11	c	6	L		
11105	7° 4645	172275		37.0	-07	24	9.4	.005	B4	+ 23	e	6	L		
11106	20° 5224	172237		37.0	-20	43	8.8	.043	sgF6	- 20	c	2	L		
11107	25519	172728		37.1	+62	29	5.6	.043	A0	- 10.5	b	6	V		
11108	+0° 3989	172327		37.1	+00	06	8.2	.021	gKO	- 12.7	b	3	W		
11109	15° 5051	172293		37.1	-15	22	10.3	.007	B5	- 23.7	b	6	L		
11110	25520	172365		37.2	+05	13	6.3	.018	gF8	- 18.5	b	7	V		
11111	22° 4820	172256		37.2	-22	43	8.9	.029	B5e	+ 3	d	6	L		
11112	t Pav	171759		37.2	-71	28	4.1	.163	K0	- 17.0	a	11	LC	*	
11113	25524	172348		37.3	-07	50	6.1	.034	gK4	- 23.4	b	3	W		
11114	25527	172424		37.4	+07	19	6.4	.058	G8	- 41.0	b	4	D		
11115	7° 4650	172367		37.5	-07	18	9.7	.016	B5n	- 11	c	7	L	IS -8 c W1	
11116	25530	172711		37.6	+55	12	7.6	.062	dF6	- 12.8	b	3	W		
11117	A 11558A	172712		37.7	+52	18	7.5	.007	A1n	+ 5	d	10	VW	SB *	
11118	A 11558B	172713		37.7	+52	18	7.7	••••	sgGO	+ 18.3	b	4	W		
11119	10° 4749	172427		37.8	-10	46	8.9	.033	B2n	- 14	e	11	L	IS +3 c 4	
11120	25541	172671		37.9	+40	53	6.1	.022	AO	- 15	c	5	V	SB	
11121	25544	172586		38.0	+24	39	8.1	.019	gG7	- 32	c	3	W		
11122	8° 4675	172488		38.1	-08	46	7.9	.032	Bp	+ 50	d	3	W		
11123	25547	172631		38.1	+30	48	6.5	.030	G5	- 49.9	b	4	D		
11124	4° 4547	172508		38.1	-04	33	7.5	.026	gKO	- 11.7	b	5	LV	*	
11125	14° 5153	172510		38.3	-14	48	8.8	.029	B2	- 6.0	b	6	L	IS -2 c 3	
11126	25548	172650		38.3	+26	05	6.7	.017	B9	- 12	c	5	S		
11127	255.51	173084		38.4	+67	05	8.5	.235	dG1	- 42.5	b	3	W		
11128	25553	172741		38.5	+38	19	6.5	.020	A3	+ 17	c	3	V		
11129	33° 3171	172742		38.6	+33	38	7.2	.067	F5	+ 6	c	3	S		
11130	AA Ser	•••••		38.8	-01	10	13*8v	••••	K5	- 6	c	5	W	Cep 17.1	
11131	25563	172546		38.8	-23	53	6.1	.040	dFO	+ 0.9	b	4	W		
11132	RS Dra	•••••		38.9	+74	17	8.3v	.010	gM5e	- 29	c	2	W	Em -37 *	
11133	+0° 3993	172651		38.9	+00	31	7.8	.037	gK3	+ 13	c	4	W		
11134	8° 4680	172637		38.9	-08	06	9.7	.019	B4	- 9.1	b	8	L		
11135	CC 1103	•••••		39.0	+31	30	8.5	.85	dK4	+ 33	c	3	W		
11136	58° 1827	173051		39.1	+58	11	8.3	.036	sgF2	- 20	c	2	L		
11137	RU Set	172730		39.3	-04	10	10.1v	.043	cK2v	- 14.0	b	13	W	Cep 19.7 *	
11138	CN Lyx	•••••		39.3	+28	40	11.0v	•••••	•••••	+ 22.0	b	9	W	Cep 2.34	
11139	15° 5063	172694		39.4	-15	54	8.3	••••	B3ep	+ 5	d	16	3	W	IS -8 c •
11140	TY Set	•••••		39.5	-04	21	11.5v	••••	cF8	+ 7	c	6	W	Cep 11.0	
11141	44° 2963	172976		39.5	+44	13	7.3	.008	A6	- 8.4	b	5	D		
11142	V679 Oph	172804		39.5	+06	46	9.0v	.016	S	- 51	d	1	W	Irr	
11143	6 Set	172748		39.5	-09	06	4.7	.010	gF4	- 45.3	b	118	L	Orb.Colacevich	
11144	1° 3755	172828		39.7	+01	11	9.0	.004	gK5	- 33	d	1	L		
11145	+0° 3995	172829		39.7	+00	06	9.1	.028	gK5	+ 18.4	b	4	W		
11146	25583	172958		39.8	+31	34	6.5	«004	B9n	- 16.3	b	4	D		
11147	54° 2024	173189		40.0	+54	52	8.1	.035	dF5	+ 11	c	2	L		
11148	NGC 8081	172737		40.0	-32	21	9.0	••••	G2	+198	c	4	L	Glob. cL	
11140	Z Set	172002		40.3	-05	52	10.1v	.015	cKOv	+ 29.0	b	8	W	Cep 12.9 *	
11150	A 11593AJ	173087		40.3	+34	42	6.1	.006	B5	- 19	c	8	V		

Cat. No.	Star	E.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	"							
11151	25598	173000	18	40.4	+15	09	6.8	0.006	A0	- 6	d	5	S	
11152	X CrA	172777		40.4	-38	22	5.1	.059	AO _n	- 26	c	5	L	
11153	A 11593B	.....		40.4	+34	42	8.2	.006	B9	- 5	c	6	V	SB
11154	25603	173398		40.5	+62	42	6.0	.060	gKO	- 26.0	b	7	DW	*
11155	25604	172555		40.5	-64	55	4.9	.160	A2 _n	+ 5	c	5	L	
11156	1° 3549	173003		40.7	-01	42	7.7	.028	B4	- 11	d	6	L	
11157	5° 4737	173006		40.8	-05	50	9.9	....	B3 _n	- 35.1	b	7	L	IS -11 c 3
11158	e Set	173009		40.8	-08	20	5.1	.020	gG5	- 10.6	a	10	LC	*
11159	25611	173034		40.8	-08	25	7.1	.018	K0	+ 42	d	1	V	
11160	11° 4729	173011		40.9	-11	33	8.9	.035	B5	- 4	c	6	L	
11161	25613	172910		41.0	-35	42	4.8	.038	B5	+ 2.8	b	5	L	
11162	SS Set	173058		41.0	-07	47	8.8 _v	.013	cG2 _v	- 14.0	b	8	W	Cep 3.67 *
11163	19° 3762	173171		41.1	+19	25	7.1	.014	B9	- 25	c	7	S	
11164	HK Lyr	173291		41.1	+36	54	8.1 _v	.019	N	- 5	b	4	WL	Irr *
11165	AE Her	.....		41.1	+22	57	10.4 _v	....	gM5e	- 52	c	2	W	Em -60 *
11166	25616	173511		41.1	+61	30	7.4	.049	gK5	- 8	c	2	L	
11167	-0° 3540	173160		41.3	-00	17	7.9	.010	A0	- 24	d	4	W	SB (36)
11168	25623	173399		41.5	+44	52	7.1	.034	sgG2	- 35.1	b	4	W	
11169	25624	173216		41.5	+08	34	7.2	.019	F6	+ 20	c	3	S	
11170	25627	173415		41.5	+47	31	6.9	.044	A2	- 17.0	b	5	D	
11171	25628	172991		41.5	-39	44	5.5	.013	G5	- 17.4	a	8	LC	HD F8+A2 *
11172	RV Set	173138		41.6	-13	16	8.6 _v	....	R3	- 4	d	1	W	
11173	25634	173383		41.6	+39	15	6.6	.011	K5	- 34	c	4	D	SB (18)
11174	1° 3553	173198		41.6	-01	36	8.1	.023	B3 _n	- 22	c	6	L	
11175	25635	173524		41.7	+55	29	5.1	.021	AO	- 30.0	a	24	V	Orb. Petrie
11176	RZ Lyr	.....		41.8	+32	45	10.8 _v	.033	A2	-240	c	5	W	RR 0.51 *
11177	25640	173416		41.8	+36	30	6.2	.065	G8	- 60.9	b	4	D	
11178	7° 4689	173219		41.8	-07	10	8.3	.015	B1e	+ 6	d	6	L	SB
11179	25643	173417		42.0	+31	53	5.5	.139	dF2	- 2.3	a	12	VW	*
11180	25644	173278		42.0	-06	35	7.0	.008	MO	- 4	d	1	V	
11181	14° 5172	173251		42.0	-14	24	8.8	.009	B3 _n	- 46	d	5	L	
11182	26° 3341	173435		42.2	+26	11	7.7	.019	gG7	- 12	c	2	L	
11183	25648	173739		42.2	+59	33	9.2	2.290	dM4	+ 1	c	6	WMD	*
11184	25649	173740		42.2	+59	33	9.7	2.268	dM5	+ 14	c	6	WMD	*
11185	25652	173370		42.3	+02	00	5.0	0.020	B7 _n	- 13	c	17	4	IS -19 c *
11186	V350 Sgr	.....		42.3	-20	42	7.6	.035	cGO _v	+ 9.5	b	9	W	Cep 5.15 *
11187	25654	173371		42.4	-00	26	6.8	.015	B8 _n	- 18.2	b	4	W	
11188	25657	173664		42.4	+53	49	6.1	.012	A2	0.0	b	3	V	
11189	9° 4819	173348		42.5	-09	27	9.1	.008	B8	+ 4	d	2	L	
11190	* Sgr	173300		42.5	-27	03	3.3	.052	B8	+ 21.5	b	16	YL	*
11191	25663	173494		42.6	+23	32	6.2	.090	ctF5	- 12.0	b	7	SV	*
11192	n 4776	173283		42.6	-33	24	9.7	..**	Pd	+ 13.9	a	9	L	Em PI. neb.
11193	A 11635B	173583		42.7	+39	37	6.0	.050	A4 _n	- 33.1	b	4	VL	*
11194	A 11635A	173582		42.7	+39	37	5.1	.057	A2 _n	- 31.0	b	45	4	€ Lyr *
11195	A 11835C	173607		42.7	+39	34	5.1	.061	A3 _n	- 24.2	b	40	3	€ Lyr *
11196	A 11835D	173808		42.7	+39	34	5.4	....	A5	- 29	c	14	VL	*
11197	12" 5310	173375		42.7	-17	36	7.1	*.033	B4	- 12	c	4	L	
11198	22 ^a 3472	173526		42.8	+22	30	7.5	.009	cG4	+ 11.7	b	3	LV	*
11199	4 ^t 4575	173438		42.8	-04	39	8.1	.007	BO	- 4	d	7	L	SB
11200	44" 2983	173068		42.9	+44	50	7.8	.026	dF4	- 34.7	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
11201	RY Lyr	.....	18	43.0	+34	37	9.1v	.....	gM6e	- 19	c	2	W	Ern -32 *
11202	25674	173495		43.0	+05	27	5.7	0.016	A0	- 10	d	5	V	SB (99)
11203	3r Lyr	173648		43.0	+37	33	4.3	.031	dA9	- 26.0	a	64	A	A 11639A *
11204	25677	173425		43.1	-19	40	6.6	.005	gM4	- 39.5	b	4	W	
11205	A 11639B	173649		43.1	+37	32	5.9	.023	A3n	- 24	c	13	3	*
11206	-0° 3546	173514		43.2	-00	19	8.3	.026	B9n	- 12.4	b	4	W	
11207	31° 15954	173409		43.2	-31	25	9.2	.01	R0	- 65	d	2	W	
11208	25687	173460		43.3	-22	27	5.8	.029	gK4	- 2.7	b	4	W	
11209	RZ Oph	.....		43.4	+07	10	10.0v	.....	*	+ 0.7	b	37	Md	cF9e+cK5 *
11210	25695	173650		43.5	+21	56	6.4	".013	A0p	- 16.9	b	7	V	
11211	25696	173741		43.5	+38	16	7.6	.069	gK5	- 6	c	3	L	
11212	25698	173667		43.5	+20	30	4.3	.338	dF4	+ 23.7	a	45	6	*
11213	BB Her	.....		43.6	+12	17	9.6v	.....	.....	+ 91.0	b	8	W	Cep 7.51
11214	25705	173949		43.7	+61	00	6.2	.017	sgG7	- 24.7	b	5	W	
11215	2° 3676	173651		43.7	+02	54	8.1	.083	dF7	- 1	c	2	L	
11216	B Pav	173168		43.7	-65	08	5.9	.096	A3n	0	c	4	L	
11217	25707	174205		43.7	+70	44	6.6	.007	K2	- 5.4	b	4	D	
11218	25713	173654		43.9	-01	01	5.7	.025	dA6	+ 19	c	8	WV	*
11219	25715	173920		43.9	+54	51	6.3	.023	GO	+ 7.1	b	4	B	
11220	8° 4702	173637		43.9	-07	59	9.2	.022	BOe	- 46	d	5	L	
11221	25718	173638		44.0	-10	11	5.8	.010	cF4	+ 10.3	b	3	W	
11222	25721	173780		44.1	+26	36	4.9	.023	gK1	- 16.7	a	11	3	*
11223	fi CrA	173540		44.2	-40	28	5.3	.017	G2	- 18.2	a	8	LC	*
11224	25725	174156		44.3	+64	45	7.3	.105	gKO	+ 46.1	b	3	W	
11225	25729	173833		44.5	+18	39	6.3	.035	K6	- 12.9	b	4	D	
11226	3 Set	173764		44.5	-04	48	4.5	.023	cG7	- 21.5	a	34	3	Orb. Young *
11227	BW Set	.....		44.7	-04	49	11.8v	.....	.....	+ 2	c	6	W	Cep 3.82
11228	25734	173880		44.8	+18	07	4.4	.129	A4	- 44.6	b	17	4	*
11229	KO Aql	173847		44.8	+10	43	8.2v	.018	A0	- 2.7	b	38	Md	EA 2.86 *
11230	R Set	173819		44.8	-05	46	5.0v	.054	K3ev	+ 44.0	a	453	3	RV 144 *
11231	5° 3950	.....		45.0	+05	23	9.5	.....	N	- 17	c	2	W	
11232	25743	173921		45.1	+16	51	6.7	.019	B8	- 3	c	5	S	
11233	7° 4713	173850		45.1	-07	06	9.2	.013	B8	- 17	d	7	L	
11234	-0° 3555	173883		45.2	-00	18	7.9	.066	dF9	- 82	c	2	L	
11235	V377 Sgr	.....		45.2	-20	11	13.6v	.....	.....	- 5	c	3	W	Cep 16.2
11236	25748	173715		45.2	-43	44	5.6	.028	A2n	- 6	c	3	L	
11237	25749	173854		45.3	-19	15	7.0	.044	gK5	+ 7	c	3	L	
11238	25750	174022		45.3	+31	21	7.2	.012	gG5	- 22.4	b	3	W	
11239	25753	173952		45.4	+13	23	7.1	.021	B9	+ 3	c	5	S	
11240	25755	174177		45.6	+46	16	6.5	.016	A2	- 1	c	7	BY	*
11241	25757	174237		45.6	+52	56	5.8	.016	B5ne	- 20	d	8	V	SB
11242	0° 4910	173987		45.9	-06	31	9.1	.009	B1	+ 40	d	5	L	IS +20 d 4
11243	EZ Lyr	.....		45.9	+35	56	10.7v	.....	.....	- 75	d	1	W	RR 0.53
11244	.....	.....		45.9	+35	56	11.5	.....	dKO	-179.3	b	3	W	
11245	25760	173861		46.0	-43	29	5.6	.027	B9	- 23	c	6	L	
11246	12° 5174	173991		46*0	-12	37	8.7	.032	B4n	- 16	c	5	L	
11247	25708	174179		48.1	+31	42	5.8	.007	B3	- 15.0	b	5	V	IS -15.7 b *
11248	25770	174080		46.1	+10	42	8.0	.463	dK4	- 17.9	b	3	W	
11249	+0° 4023	174066		46.1	+00	28	8.5	.023	dG7	+ 34.7	b	3	W	
11250	25772	174160		46.2	+23	27	0.0	.038	F5	- 0.2	b	4	S	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
11251	25773	174343	18	46.2	+49	23	7.2	0.020	dF1	- 18.2	a	54	WD	Orbits *
11252	25775	174069		46.3	-08	31	7.6	.009	B2	+ 6.0	b	7	L	IS -21 c 6
11253	25776	174366		46.4	+49	01	6.4	.014	A0	- 17	d	9	V	
11254	8° 4716	174083		46.4	-08	13	10.3	....	B4n	- 25	c	6	L	
11255	12° 5177	174070		46.4	-12	39	9.1	.004	B4	- 5	d	9	L	
11256	YZ Sgr	174089		46.6	-16	47	7.8v	.005	cG3v	+ 18.5	b	15	W	Cep 9.55 *
11257	25783	229590		46.7	+17	23	9.1	.590	dM1	- 16.7	b	4	W	
11258	A 11711A	174224		46.7	+16	12	8.1	.065	dF7	- 61	c	3	W	
11259	A 11711B	.....		46.7	+16	12	10.0	....	A4	+ 22	c	3	W	
11260	CC 1108	.....		46.7	-23	53	10.5	.74	dM4e	- 4	b	5	W	
11261	25785	174116		46.7	-20	23	5.4	.034	gK4	- 18.3	a	13	3	*
11262	25786	174262		46.7	+19	16	5.8	.027	A0	+ 5.9	b	18	V	
11263	-0° 3563	174182		46.8	-00	27	8.3	.031	B3n	- 16	c	6	L	
11264	10° 4819	174142		46.8	-10	26	7.9	.016	gK2	- 48.5	b	11	W	
11265	25789	174261		46.8	+21	07	7.2	.011	B5n	- 15.2	b	5	V	
11266	25791	174298		46.8	+24	00	6.5	.018	B2	- 15.1	b	4	V	IS -15 c
11267	25799	174481		46.9	+48	43	6.0	.047	A5n	- 31	c	4	D	
11268	25803	174980		47.0	+74	02	5.4	.077	gG8	+ 2.9	a	12	3	*
11269	25805	174240		47.1	+00	47	6.3	.027	A0	- 45	c	4	V	SB (25)
11270	25807	174504		47.1	+45	12	6.8	.077	dA9	- 13.5	b	8	DW	*
11271	25810	174369		47.2	+24	59	6.6	.017	A2n	- 9	d	5	D	SB (74)
11272	C 2464	174433		47.2	+34	28	8A	.219	dF6	- 12.5	b	3	W	
11273	7° 4730	174243		47.2	-07	43	10.1	....	B3	- 16	c	6	L	IS -13 c
11274	10° 3675	174349		47.4	+10	28	7.5	.020	gK4	- 21	c	2	L	
11275	25814	174391		47.5	+15	53	6.5	.010	B3	- 7.4	b	5	V	IS -12.3 b
11276	.....	.....		47.5	+20	46	.....	....	P	+ 17	c	2	L	Em PL. neb.
11277	25821	174323		47.5	-03	41	7.2	.082	K5	- 84	d	1	V	
11278	BX Set	.....		47.5	-04	26	13.2v	....	.....	- 18	c	5	W	Cep 6.41
11279	CC 1111	.....		47.5	+03	02	10.5	.46	dM2	+ 4	c	2	W	
11280	A Pav	173948		47.6	-62	15	AA	.024	B2ne	+ 20.4	b	4	L	
11281	S Set	174325		47.6	-07	58	7.0v	.008	N	0	b	7	WL	Irr *
11282	45° 2779	174600		47.7	+45	14	8.6	.028	gK4	+ 13.3	b	3	W	
11283	25834	174621		47.8	+43	41	6.8	.034	G4	- 25.7	b	7	D	
11284	25835	174309		47.8	-22	13	6.2	.049	gA7n	- 35.4	b	3	W	
11285	25837	174585		47.9	+32	45	5.8	.012	B3n	- 16.5	b	8	WV	IS -16 c *
11286	ii° 3630	174485		47.9	+11	27	7.1	.042	A2n	- 36	c	6	S	
11287	25839	175286		48.0	+75	23	5.4	.074	A0	- 7.8	a	32	0	Orb. Harper
11288	25840	174487		48.0	+07	24	7.1	.046	K5	- 2	d	1	V	
11289	25841	174602		48.0	+32	30	5.2	.023	A2n	+ 9.7	b	15	3	*
11290	BB Sgr	174383		48.0	-20	21	7.5Y	.034	cG2v	+ 7.5	b	9	W	Cep 6.64 *
11291	25844	174403		48.1	-20	22	7.6	.026	B9n	+ 12	d	4	W	SB (42)
11292	AP Her	.....		48.2	+15	53	10.5v	.003	CO	- 29.5	b	10	W	Cep 10.4
11293	25846	174464		48.2	-09	50	5.9	.006	gF2	- 18	c	4	W	
11294	j8 Lyr	174638		48.2	+33	18	3.4v	.007	Bep	- 19.2	a	712	4	IS -18.0 a *
11295	A 11745B	174664		48.3	+33	18	7.8	.010	B8n	- 12	c	7	VW	SB *
11296	N 6705-386	.....		48.3	-06	19	12.1	....	AO	+ 8	e	1	L	
11297	N 6705-331	.....		48.3	-06	21	12.2	....	AO	- 19	e	1	T _J	
11298	S 29850	174623		48.3	+24	03	7.1	*.018	K5	- 72	e	1	V	
11299	ja" 3866	174571		48.4	+08	39	8.4	.023	B2e	+ 6	d	12	L	SB (80)
11300	25851	174569		48.4	+10	55	6.6	.019	K5	- 23.7	b	5	0	

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes		
			R.A.	Decl.										
11301	N 6709-1	.....	h 18	m 48.4	+10 22	9.6	.....	B7	+ 22	e	2	L	
11302	N 6705-501	.....		48.4	-06 18	12.0	.....	B9	+ 96	e	1	L	
11303	N6705-437	.....		48.4	-06 21	11.5	.....	B9	+ 22	d	2	L	
11304	7° 4740	174513		48.4	-07 52	8.9	0.013	B1e	- 7	c	5	L	IS -7 c	
11305	25853	174512		48.4	-06 20	8.0	.006	cA3	+ 24	c	14	WL	SB 2-sp *	
11306	N6705-581	.....		48.5	-06 20	11.8	.....	B7	+ 26	e	1	L	
11307	25854	175305		48.5	+74 40	7.3	.331	dF9	-181	c	4	W		
11308	25855	174532		48.5	-03 19	6.9	.075	A2	- 29	c	2	V		
11309	8° 4733	174515		48.5	-08 04	7.4	.030	K5	+ 5	d	1	V		
11310	N 6709-6	.....		48.6	+10 14	10.1	.....	A2	- 21	d	2	L	
11311	N 6709-4	.....		48.7	+10 23	9.8	.....	A1	+ 12	e	2	L	
11312	K Tel	174295		48.7	-52 10	5.3	.112	G5	- 44.3	a	7	LC	*	
11313	25861	174387		48.7	-46 39	5.5	.016	M2	- 28.1	a	5	LC	*	
11314	25862	174589		48.7	-03 23	6.0	.027	dA6n	+ 11.8	b	10	3	*	
11315	HS Her	174714		48.8	+24 40	8.2v	.....	B8	- 16.0	b	48	Md	EA 1.64 *
11316	10° 3694	.....		48.8	+10 14	10.1	.014	K0	- 9	d	2	L	
11317	25868	175938		49.2	+79 53	6.3	.078	A5	- 4.8	b	9	V		
11318	N 6709-8	.....		49.2	+10 15	10.4	.....	GO	- 31	d	2	L	
11319	N 6709-2	174715		49.2	+10 15	9.7	.....	A0	- 12	d	2	L	
11320	10° 3699	174734		49.2	+10 15	8.9	.030	B9	+ 2	c	3	L		
11321	25871	174430		49.2	-52 00	6.5	.011	B8n	- 23	c	3	L		
11322	25874	174719		49.3	+02 58	7.7	.150	dG6	- 18	c	3	L		
11323	11° 4786	174705		49.5	-11 42	7.9	.027	B3ne	- 5.6	b	6	L	IS -20 d 2	
11324	25883	174881		49.6	+28 43	6.4	.008	gG9	- 22.1	b	9	DV	*	
11325	25885	174912		49.7	+ 38 34	7.2	.322	dF8	- 11.9	b	6	SW		
11326	Ross 160	.....		49.7	+16 33	10.5	.61	dM2	- 11	c	2	L	
11327	3° 4397	174796		49.8	-03 47	7.3	.021	M0	- 42	d	1	W		
11328	25889	174959		49.8	+36 29	6.0	.029	B5	- 20.7	b	5	V	IS -16 c We	
11329	44° 3003	175055		50.0	+45 04	7.2	.008	B9	- 22	d	5	V	SB (79)	
11330	25893	174897		50.0	+14 28	6.5	.040	gKO	+ 10.7	b	3	W		
11331	28° 3106	174962		50.1	+28 43	8.2	.041	GO	+ 17	d	1	W		
11332	25895	174933		50.1	+21 22	5.3	.016	A0	- 19.8	a	35	L	Orb. Meyer	
11333	TU Dra	.....		50.2	+48 51	10.0v	.....	gM4e	- 42	d	1	W	Em P344
11334	37° 3262	175081		50.3	+37 28	7.1	.019	B5n	- 26	d	6	V	SB	
11335	NGC 6712	.....		50.3	-08 47	10.0	.....	G4	-131	c	4	L	Glob. ci.
11336	26° 3379	175036		50.4	+26 28	7.9	.174	dF8	- 51	c	2	L		
11337	25904	175225		50.5	+52 55	5.6	.272	dG8	+ 1.8	b	5	WV	*	
11338	o Dra	175306		50.5	+59 20	4.8	.083	gG8	- 19.5	a	19	3	D	Orb. Young *
11339	10° 4848	174886		50.5	-10 17	8.1	.002	B3e	+ 4	c	6	D		
11340	7° 4755	174902		50.5	-07 08	9.7	.025	B4	- 6	c	6	L		
11341	25911	175018		50.9	+03 19	8.8	.041	dF3	- 24.2	b	3	W		
11342	FN Sgr	.....		50.9	-19 04	9 v	.....	Q	- 51	d	3	L	Em
11343	25914	174947		51.0	-21 25	5.8	.018	cKO	- 4	c	3	W		
11344	25918	174974		51.2	-22 48	5.0	.015	cK2	- 12.1	a	11	LC	*	
11345	DI Her	175227		51.4	+24 13	Uv	.....	B5	- 2.1	b	17	V	EA 10.6 *
11346	U Set	175124		51.6	-12 40	10.2v	.....	F0	- 14	I c I	5	Md	EB 0.95 *
11347	25926	175404		51.7	+40 56	6.6	.040	gM5	+ 9.1	b	3	W		
11348	Sc Pav	174694		51.8	-67 18	4JBv	.011	cGOv	+ 36.5	a	33	L	Cep 9.08 *	
11349	20° 5326	175141		51.8	-19 56	8.9	.....	B9E	+ 6	j d I	5	L	I
11850	25931	175156		51.9	-15 40	5.0	.014	B8	- 2.0	b	110	3	1*	

Cat. No.	Star	HLD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
11351	25932	175466	18	51.9	+42	50	6.9	0.022	gK5	- 11	c	9	VW	*
11352	25934	175426		52.0	+36	54	5.5	.006	B3	- 25.8	a	74	A	IS -17 c *
11353	25935	175535		52.0	+50	39	5.0	.029	gG4	+ 8.2	a	7	L	
11354	25937	175293		52.0	+10	45	6.8	.026	K2	- 48.6	b	3	S	
11355	NGC 6715	175113		52.0	-30	32	JL2	....	F7	+107	c	5	L	Glob. cl.
11356	25938	175334		52.1	+13	20	7.0	.048	B9n	- 17	c	8	S	
11357	32° 14673	.....		52.1	-32	19	....	....	P	- 62	e	2	L	Em PL neb.
11358	25939	175190		52.1	-22	44	5.0	.104	sgK5	-109.9	b	10	LC	SB *
11359	cr Sgr	175191		52.2	-26	22	2.1	.059	B3n	- 11	c	11	LY	*
11360	35° 3400	175467		52.2	+35	13	9.4	.02	A0	+ 4	e	1	L	
11361	25942	175443		52.2	+27	51	5.8	.079	gK4	+ 15.3	b	8	DW	*
11362	25948	175427		52.4	+20	33	7.0	.006	AOn	- 20	c	6	S	
11363	25951	175428		52.5	+15	17	7.0	.034	B8n	- 14	c	6	S	
11364	25954	175492		52.6	+22	35	4.6	.003	gGO	- 23.8	a	30	L	Orb. Wilson
11365	25955	175317		52.6	-16	26	5.6	.187	dF.5	- 41.8	b	3	V*	
11366	NGC 6720	175353		52.7	+32	58	....	....	Pb	- 19.1	b	14	L	Em Ring neb.
11367	25956	175219		52.7	-42	47	5.4	.047	G5	- 21.2	b	4	L	
11360	T Set	175377		52.7	-08	15	8.7v	.029	N	+ 15	c	3	W	
11369	6 Lyr	175588		52.8	+36	50	4.5	.016	gM4	- 26.6	a	4	L	
11370	25960	175823		52.9	+57	25	6.4	.017	gK5	- 5.1	b	3	V	
11371	9 ^j 3928	175514		53.0	+09	17	8.5	....	BOn	- 84	c	12	LW	IS +4.7 b *
11372	25964	175515		53.0	+06	33	5.7	.091	gG9	+ 22.5	b	7	VW	*
11373	25965	175635		53.0	+33	54	6.1	.012	gf2	- 16	c	13	WS	SB *
11374	25966	175863		53.1	+59	57	6.9	.017	B4e	- 20	c	11	VW	IS -24.2 b *
11375	25967	175579		53.2	+13	09	6.9	.016	AOn	- 19	c	6	S	
11376	25968	175541		53.2	+04	12	8.1	.087	dKO	+ 18.4	b	3	W	
11377	+0° 4055	175544		53.2	+00	12	7.7	.036	B5	- 4	c	8	L	SB (20) 2-sp
11378	25971	175518		53.2	-05	48	8.2	.441	dG8	- 77	c	6	W	
11379	25972	175740		53.3	+41	32	5.6	.006	gG8	- 8.7	b	3	W	
11380	25973	175362		53.3	-37	25	5.4	.028	B8	+ 3.1	b	4	L	
11381	C 2472	175545		53.3	-00	48	7.5	.100	gK2	- 19	c	3	LV	*
11382	PZ Aql	.....		53.3	-02	57	<u>12.4v</u>	....	....	- 32	e	6	W	Cep 8.76
11383	25980	175824		53.5	+48	48	5.9	.139	dF4	- 11.0	b	9	VW	*
11384	0 Ser	175638		53.7	+04	08	4.5	.052	A5n	- 45	c	14	3	A 11853A *
11385	A 11853B	175639		53.8	+04	08	5.4	.051	A5n	- 54	c	8	3	*
11386	25995	175640		53.8	-01	52	6.2	.028	A0	- 26	c	6	SV	*
11387	C 2474	175742		53.8	+23	30	8.4	.324	dK1	- 6	d	4	W	SB (96)
11388	R Lyr	175865		53.8	+43	53	4.0v	.079	gM5	- 28.3	a	92	4	SR 50 *
11389	25999	175743		53.9	+18	02	5.7	.173	gK2	+ 44	c	5	D	SB (24)
11300	W 3B51	175785		53.9	+30	15	7.3	.036	B9	- 24.0	b	11	OS	*
11391	260GG	175679		53.9	+02	24	6.3	.013	G8	- 15.4	b	4	D	
11392	19" 3848	175803		54.1	+19	47	8.0	.014	B3n	~ 30	c	8	L	IS -4 c
11393	m Pav	175&29		54.2	-60	16	5.1	.128	K2	+180.1	a	6	LC	*
11394	26012	175687		54.4	-20	43	5.1	.009	A0	+ 1.9	b	7	L	
11395	tj Set	175751		54.4	-05	55	5.0	.071	sgK2	- 92.8	a	11	3	*
11306	26015	170003		54.4	+44	10	6.9	.028	A2	- 13	c	7	D	
11397	A Tel	175510		54.5	-53	00	5.0	.014	B9	- 6	d	5	L	SB
11398	26018	175754		54.7	-19	13	7.0	.013	BOne	- 11.4	b	7	L	IS -5 c *
11399	ξ Sgr	175775		54.7	-21	10	3.6	.035	gK1	- 19.9	a	9	LC	*
H400	26020	175809		54.8	+02	28	5.6	.017	B9n	- 11	c	4	W	

Cat. No.	Star	R.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	//		km/sec					
11401	14° 3719	175921	18	54.9	+14	46	7.1	0.039	G5	- 22	c	3	S	
11402	v Dra	176524		55.0	+71	14	4.9	.064	gKO	- 7.1	b	5	L	
11403	-0° 3607	175905		55.0	-00	36	7.5	.072	gK1	+ 22	c	3	LV	*
11404	26028	176131		55.1	+46	42	7.1	.034	A3n	- 4.2	b	6	D	
11405	14° 3720	230211		55.1	+14	20	9.9	.009	B4e	- 3	c	3	Md	IS +5 c
11406	26030	176051		55.2	+32	50	5.2	.230	dGO	- 47.2	a	12	4	*
11407	31° 3411	176053		55.2	+31	56	7.1	.036	A3	- 36	c	7	D	SB
11408	26034	175876		55.2	-20	30	6.7	.018	O8n	+ 14	c	16	VL	IS -11 c *
11409	A 11870B	.....		55.2	+75	43	7.4	.018	A0	0	d	4	V	SB (32)
11410	A 11870A	176795		55.3	+75	43	6.6	.027	A0	- 17	c	6	V	SB (26)
11411	e CrA	175813		55.4	-37	10	4.9	.165	F5n	+ 53	d	4	L	
11412	26042	176029		55.6	+05	51	9.7	1.239	dM1	+ 18.8	b	3	W	
11413	26043	176209		55.6	+45	47	7.2	0.017	A1	- 19	c	6	0	
11414	29° 15574	175893		55.6	-29	34	9.3	.010	R0	+ 42	c	2	W	
11415	26049	176408		55.9	+57	45	5.7	.078	gK3	- 34.0	b	3	W	
11416	26050	176095		56.0	+06	10	6.4	.106	F5	- 9.4	b	4	S	
11417	FF Aql	176155		56.0	+17	18	5.8v	.014	cF6	- 22	a	61	3	Cep 4.47 *
11418	25° 3682	176211		56.1	+25	17	9.2	.002	GO	- 3	d	1	L	
11419	26055	176598		56.2	+65	11	5.8	.032	gG5	- 4.6	b	4	W	
11420	C 2476	176213		56.2	+23	47	8.6	.110	dF7	- 19.2	b	3	W	
11421	NGC 6723	175980		56.2	-36	42	7.8	.....	G3	- 3	c	4	L	Glob. cl.
11422	UV Aql	176200		56.2	+14	18	8.6v	.010	N	+ 21	c	2	W	P340
11423	26059	176318		56.3	+38	12	5.8	.006	B7	- 28	d	9	WF	SB (133) *
11424	C 2479	176252		56.4	+23	43	7.4	.115	sgG6	- 35.8	b	4	W	*
11425	AD Aql	.....		56.4	-08	14	10.9v	.....	cG8v	- 5	e	3	W	RV 65.4 *
11426	26064	176232		56.5	+13	50	5.9	.056	A6p	+ 14.5	a	11	3	*
11427	26066	176254		56.5	+20	33	6.7	.020	B3	- 6.9	b	6	V	IS -14.2 b
11428	42° 3206	176391		56.6	+42	36	8.2	.....	gF5	- 18	c	2	L	
11429	26067	176301		56.6	+19	43	6.2	.008	B7	- 1	c	3	S	IS -12 c We
11430	26068	176162		56.6	-12	55	5.4	.020	B7	- 13	c	10	3	SB *
11431	26069	176560		56.6	+58	09	6.3	.046	A2	+ 1	c	3	V	
11432	AR Sgr	.....		56.7	-23	47	9.6v	.....	cG2ev	-100	b	8	W	RV 87.9 *
11433	26074	176668		56.8	+62	20	6.4	.041	gG6	- 8.0	b	9	W	*
11434	26075	176303		56.8	+13	33	5.4	.126	dF6	+ 15.9	a	7	LY	*
11435	26078	176377		56.9	+30	06	6.6	.201	dGO	- 39.5	b	12	3	*
11436	26080	176304		56.9	+10	04	6.5	.023	B4	- 22.6	b	7	VW	IS -12 c *
11437	y Lyr	176437		57.1	+32	37	3.3	.007	B9p	- 2L5	a	99	3	*
11438	26087	176502		57.1	+40	37	6.1	.004	B5	- 19.0	b	6	V	
11439	26088	176466		57.2	+33	03	6.8	.027	A2	- 39	c	9	OS	*
11440	26089	176246		57.3	-25	01	6.4	.066	gKO	- 24.5	b	3	W	
11441	€ Aql	176411		57.4	+15	00	4.2	.094	gKO	- 48	c	12	LB	SB *
11442	26094	176441		57.5	+16	11	6.9	.177	F5	+ 23.8	b	3	S	
11443	26095	176582		57.5	+39	09	6.2	.009	B7n	- 14	c	10	W	*
11444	26096	176626		57.6	+43	39	0.9	.040	A1	- 25.5	b	4	W	
11445	26097	176486		57.7	+12	49	7.1	.009	gK4	- 2.2	b	3	W	
11446	26099	176260		57.7	-37	08	0.8	.023	B0n	+ 10	d	4	W	SB (42)
11447	26100	176270		57.7	-37	08	0.0	.042	B9	- 27	d	4	W	SB (74)
11448	26101	176527		57.7	+26	10	5.3	<.084	gK2	- 24	c	11	LO	SB *
11440	26103	176707		57.7	+50	44	6.4	.024	G8	- 20.8	lj	4	ID	
11450	S CrA	.....		57.8	-37	01	10.8v	.....	G5e	- 33	c	6	W	Em Ori

Cat. No.	Star	E.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
11451	Z Lyr	.....	18	57.5	+34	53	9.2v	.....	gM5e	+ 5	b	3	W	Em -4.0 b *
11452	26107	176541		57.9	+22	45	6.4	0.029	gM3	- 52.7	b	6	DW	*
11453	42 ^d	3212	176669	57.9	+42	56	7.5	.027	B8	- 20.9	b	4	D	
11454	15 ^d	3651	176542	58.0	+15	17	8.9	.016	B5	- 19.0	b	10	L	IS -10 c
11455	A Lyr	176670		58.1	+32	04	5.1	.012	gK3	- 15.5	a	9	LV	*
11456	26118	176386		58.3	-36	58	6.9	.038	B9n	+ 7.3	b	3	W	
11457	R CrA	.....		58.4	-37	02	10.0v	.....	F5e	- 36	c	2	W	Em -97 d 1 *
11458	18 ^c	3909	176646	58.4	+18	24	8.0	.020	gG5	- 24.1	b	4	W	
11459	26121	176798		58.4	+43	11	7.2	.022	A5	- 28.4	b	5	D	
11460	26122	176588		58.5	-04	31	7.1	.015	K2	+ 3	d	1	V	
11461	26124	230409		58.5	+19	01	10.0	.629	dG4	- 19	c	4	W	
11462	26129	176650		58.7	+02	25	7.2	.236	K0	+ 25	d	1	V	
11463	ST Sgr	176592		58.7	-12	50	7.3v	.....	Se	+ 46	b	5	W	Em +28.2 *
11464	26130	176844		58.7	+40	37	6.8	.013	M2	- 4.5	b	4	D	
11465	26131	176651		58.7	+01	58	7.1	.024	K0	- 16	d	1	V	
11466	26132	176593		58.7	-15	21	6.4	.004	gG6	+ 20.3	b	3	W	
11467	6 ^c	5005	176630	58.8	-06	16	7.7	.015	B4n	- 7	c	8	L	
11468	V336	Aal	.....	58.8	+00	04	10.lv	.....	.....	+ 11.5	b	8	W	Cep 7.31
11469	26136	176775		58.9	+19	14	6.5	.013	K0	- 28.9	b	4	O	
11470	26138	177003		59.0	+50	28	5.2	.018	B3	- 19	c	13	3	*
11471	26139	176803		59.0	+20	05	7.2	.041	B8	- 17	c	9	S	
11472	26141	176678		59.0	-05	49	4.2	.042	gK1	- 43.9	a	8	LB	*
11473	2 ^o	3756	176737	59.0	+02	31	7.3	.045	K5	- 46	d	1	V	
11474	26142	176896		59.1	+33	44	6.2	.002	gK0	- 27.7	b	7	SV	*
11475	26145	176818		59.2	+21	26	6.9	.009	B3	- 9	c	25	V	IS -18 c *
11476	26147	176819		59.2	+20	46	6.6	.014	B2	- 10.3	b	19	V	IS -17 c *
11477	26151	176871		59.3	+26	13	5.5	.016	B3n	- 14	c	14	3	IS -13 c *
11478	26152	176914		59.3	+28	20	6.8	.022	B5n	- 5.5	b	5	V	
11479	26153	176825		59.3	+08	40	8.9	.022	gG5	- 19.9	b	4	W	
11480	26157	176938		59.4	+29	27	6.6	.017	A1n	- 17	c	7	DW	*
11481	26159	176704		59.4	-24	55	5.7	.181	gK4	0	c	4	W	
11482	J Sgr	176687		59.4	-29	57	2.7	.020	A4n	+ 22	c	7	L	
11483	RT Lyr	.....		59.5	+37	27	9.3v	.....	gM5e	- 94	c	2	W	Em -102 *
11484	t	26164	176939	59.5	+24	57	6.9	.008	K3	- 21.2	b	4	D	
11485	t	26164	176638	59.6	-42	10	4.8	.074	AOn	- 7	c	4	L	
11486	22 ^o	3559	.....	59.6	-22	30	10.4	.....	B3	- 19	d	2	Md	IS +6 d
11487	26167	176971		59.7	+22	11	6.4	.VI9	A3	- 38	c	3	V	
11488	26169	177249		59.7	+55	35	5.5	.021	gG3	+ 9.6	b	8	VW	*
11489	26171	176915		59.7	+08	41	9.1	.010	gG2	- 13	c	2	W	
11490	26173	176916		59.8	+08	41	8.3	.004	fG8	- 21	c	4	W	
11491	26175	176853		59.8	-10	48	6.7	.016	B5	- 12.9	b	15	V	Orb. Pearce
11492	44 ^G	2R177	176723	59.9	-38	20	5.7	.011	FOn	+ 16	c	2	L	
11493	3042	177152		59.9	+44	18	7.4	.010	B9	- 19	c	5	D	
11494	26179	176981	19	00.0	+08	18	6.6	.028	K2	- 8.7	b	4	D	
11495	26180	177109		00.0	+33	33	6.2	.008	B3n	- 22.9	b	6	V	IS -16.9 b *
11496	9*	3968	176980	00.0	+09	34	7.4	.013	K0	+ 11	d	1	V	
11497	26181	177196		00.0	+46	52	5.1	.089	A4n	+ 7.6	b	13	4	*
11498	20183	178089		00.1	+76	59	6.5	.075	dF3	- 27.4	b	9	VW	*
11499	NGC 6741	176946		00.1	-00	31	.....	.....	Pd	+ 42.9	b	8	L	Em PL neb,
11500	26184	176884		00.1	-19	19	0.0	.006	gG6	- 20.2	b	3	W	

Cat. No.	Star	ELD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	o	t		rt	km/sec					
11501	20° 5379	176886	19	00.2	-20	48	8.5	0.048	sgF5	0	c	2	L	
11502	A 11971A	176982		00.2	-00	47	8.5	.133	dG5	- 11.7	b	3	W	
11503	A 11971B	176983		00.2	-00	47	9.4	.026	dG6	- 26	c	3	W	
11504	30° 3392	.....		00.2	+30	22	8.5	.012	£A5	- 5.1	b	6	W	*
11505	26190	176984		00.3	-03	46	5.6	.019	A0	- 39	c	8	3	
11506	26192	177082		00.3	+14	30	6.8	.184	GO	+ 3.4	b	3	S	
11507	19° 5280	177014		00.6	-19	30	9.7	.....	B8	- 8.3	b	8	L	
11508	20° 5381	177015		00.6	-20	12	7.6	.022	B3e	+ 6	c	6	L	
11509	26198	177199		00.7	+19	35	6.2	.009	K2	- 7.0	b	4	D	
11510	SU Sgr	177017		00.7	-22	47	8.1v	.033	gM6	+ 42	c	2	W	SR 88
11511	26199	177115		00.8	+00	30	7.1	.006	K2	- 14	d	1	V	
11512	A 11977A	177279		00.8	+31	20	9.1	.001	gA7	- 15	c	8	W	SB 2-sp
11513	A 11977B	.....		00.8	+31	20	9.3	.....	sgG7	- 13	d	4	W	SB (48)
11514	26202	177483		00.9	+52	11	6.4	*.032	gG8	+ 4.2	b	3	W	
11515	14° 3760	177226		01.0	+15	06	9.1	.024	K0	+ 30	d	1	L	
11516	26204	177095		01.0	-20	32	9.4	.673	dG3	+ 78.2	b	3	W	
11517	26205	177178		01.0	+01	45	5.7	.069	A2	- 20	c	11	V	SB (43)
11518	26209	177074		01.2	-31	07	5.5	.021	A0	- 20	c	5	L	
11519	26213	177330		01.3	+17	12	7.1	.057	K4	+ 14	d	1	V	
11520	26221	177392		01.6	+21	12	6.5	.029	F2n	+ 5.0	b	3	S	
11521	2° 4840	177284		01.6	-02	06	8.7	.015	B3n	- 6	c	6	L	IS -5 c 4
11522	26223	177332		01.7	+03	15	6.5	.011	A2	- 13	c	3	V	
11523	o Sgr	177241		01.7	-21	49	3.9	.100	gG8	+ 25.2	a	9	LC	*
11524	1° 3872	.....		01.7	+01	17	10.8	.....	dG5	- 61	c	5	W	SB (43)
11525	V Aql	177336		01.7	-05	46	6.7v	".012	N	+ 37	a	9	WL	IS -14 c *
11526	26229	177414		01.8	+16	23	7.0	.065	K2	+ 50	d	1	V	
11527	14° 3771	177433		01.9	+15	02	7.6	.013	gKO	- 31	c	2	L	
11528	26232	177459		01.9	+17	29	6.6	.131	F4	- 67	c	8	DS	*
11529	33° 3309	177593		02.1	+34	04	7.1	.010	B5n	- 23.7	b	5	V	
11530	26234	177399		02.1	-08	44	7.5	.085	K0	- 71	d	1	V	
11531	SZ Aql	177441		02.1	+01	14	8.1v	.001	cG7v	+ 9.5	b	8	W	Cep 17.1 *
11532	27° 3238	177595		02.3	+27	14	7.0	< . . .	B9	- 16	c	10	SD	*
11533	A 12007B	177442		02.3	-04	07	7.2	.034	gK4	- 59	c	7	WV	*
11534	A 12007A	177463		02.3	-04	06	5.5	.033	gK1	- 17.7	b	4	W	
11535	p Tel	177171		02.4	-52	25	5.2	.122	F2	+ 1.8	b	6	L	SB 2-sp
11536	26242	177648		02.5	+23	15	6.9	.008	B3e	- 14	c	7	V	SB
11537	2° 3778	177549		02.5	+02	30	9.1	.023	B3	- 7	c	10	L	IS -2 c
11538	26245	177599		02.6	+15	40	6.8	.020	A0	- 11.5	b	10	DS	*
11539	26252	17782.9		02.7	+43	48	6.8	.052	B9n	- 22.5	b	4	D	
11540	26257	177624		02.8	+09	34	6.9	.016	B5n	- 10	c	15	V	SB
11541	26259	177517		02.8	-15	44	5.9	.009	B9n	- 26	c	6	WY	SB (66) *
11542	19° 5292	177559		03.0	-19	34	8.1	.048	B5n	- 27	d	6	L	
11543	y CrA	177474		03.0	-37	08	4<3	.291	dF7	- 51.6	a	9	LC	*
11544	26264	177809		03.0	+30	39	6.4	.035	gM2	- 16	c	5	W	
11545	26266	177808		03.1	+31	40	5.8	.100	gK5	+ 6.0	b	6	WV	*
11540	26268	177931		03.1	+45	51	6.8	.033	B9	- 9.5	b	6	D	
11547	? Aqi	177724		03.1	+13	47	3.0	.101	B9E	- 26.3	b	30	5	*
11548	V410 Sgr	.....		03.2	-18	29	12.6v	.....	.....	+ 5	c	4	W	Cep 13.8
11549	NGC 6751	177650		03.2	-06	04	.....	.....	Pf	- 36	c	4	L	Em PL neb*
11550	85* 1319	178326		03.3	+05	30	7.2	.....	sgG5	+ 20.4	b	3	W	

Cat. No.	Star	HJD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
11551	25° 3719	177830	19	03.3	+25	51	7.2	0.059	dK2	- 74	d	1	V	
11552	26278	177749		03.4	+06	28	6.9	.068	dF4	- 17.8	b	3	W	
11553	1° 3645	177752		03.5	-00	55	8.5	.012	B4	+ 7	c	5	L	
11554	3° 3893	177812		03.6	+03	11	8.7	.016	cB2	+ 28.6	b	10	LMd	IS +21 c *
11555	A Aql	177756		03.6	-04	58	3.6	.092	B9n	- 14	c	18	4	*
11556	26287	177758		03.6	-11	58	7.1	.448	dF7	- 2.5	b	3	W	
11557	26290	178207		03.8	+53	19	5.4	.022	AOn	- 24	c	14	3	SB *
11558	r Sgr	177716		03.8	-27	45	3.4	.261	gK1	+ 45.4	a	28	CL	3B *
11559	26293	178003		03.8	+29	51	6.6	.016	gMO	- 28.2	b	3	W	
11560	26294	178208		03.9	+49	51	6.6	.013	gK5	+ 8.3	b	6	V	
11561	24° 3632	.....		03.9	+24	44	<u>10.4</u>	.....	F2	0	e	2	Ud	
11562	R Aql	177940		04.0	+08	09	5.1 _v	.074	gM7e	+ 32.0	a	4	We	Em +2C.6 a *
11563	15° 3690	177983		04.1	+15	47	7.2	.024	A5	- 43.9	b	5	D	
11564	A 12040A	178091		04.2	+30	22	8.2	.059	dG2	- 45.1	b	3	W	
11565	A 12040B	.....		04.2	+30	22	9.7	.....	dG7	- 48	d	1	W	
11566	5° 4032	178011		04.4	+05	10	8.3	.023	sgF3	+ 1	d	1	L	
11567	26310	178187		04.6	+24	10	5*7	.052	A3	- 21.9	b	9	3	*
11568	26313	177389		04.6	-68	30'	5.3	.159	G4	- 9.9	b	3	L	
11569	26315	178125		04.6	+11	00	5.1	.032	B8	- 18.6	a	101	A	Orb. Jordan
11570	26316	178126		04.6	+07	33	9.5	.841	dK6	+ 12	c	5	W	
11571	26317	178233		04.6	+28	33	5.5	.111	A2n	- 19	c	6	3	SB *
11572	26318	178329		04.7	+41	20	6.2	.009	B3	- 21.2	a	45	V	IS -28.2 b *
11573	18° 3954	230705		04.7	+18	34	<u>10.5</u>	.....	B3	+ 5	d	2	Md	IS -11 c
11574	18° 5211	177989		04.7	-18	48	9.6	.....	B4n	+ 0.1	b	6	L	
11575	26320	178211		04.8	+22	06	7.5	.072	dF1	+ 12.0	b	3	W	
11576	3° 3902	178129		04.8	+03	22	8.0	.009	B3	+ 23	c	9	LW	IS +5.4 b *
11577	8° 3977	178162		04.8	+08	16	9.1	.011	B9	- 6	e	1	L	
11578	6 CrA	177873		04.9	-40	35	4.7	.043	K1	+ 20.3	a	10	LC	*
11579	4° 3979	178165		04.9	+05	08	7.6	.034	gK3	- 2	c	2	L	
11580	CC 1129	.....		05.0	+20	49	10.7	.57	sdM2	+ 34	c	3	W	Ross 730
11581	Ross 731	.....		05.0	+20	49	10.7	.56	sdM2	+ 35	c	3	W	
11582	7° 3971	178216		05.0	+08	06	9.1	.032	GO	- 71	d	1	L	
11583	59° 1947	178634		05.1	+59	13	7.5	.013	A3	- 10.8	b	5	O	
11584	26331	178330		05.2	+20	21	7.4	.172	K2	- 46	d	1	V	
11585	26335	178175		05.3	-19	22	5.4	.008	B3e	- 20.3	b	54	WL	IS -7.0 b *
11586	30° 3425	178450		05.5	+30	10	8.1	.173	dG5	+ 9	c	4	W	SB (43)
11587	t Lyr	178475		05.5	+36	01	5.1	.010	B6nt	- 18	c	14	4	IS -14 c *
11588	26339	178612		05.5	+48	51	7.3	.028	gK4	- 9	c	2	L	
11580	26340	178449		05.5	+32	25	5.0	.125	dA7n	+ 4.0	a	4	L	
11590	CC 1130	.....		05.5	+32	25	11.8	1.66	dM4	- 31	c	3	W	
11591	26346	178591		05.7	+40	58	6.9	0.014	A0	0	c	6	V	
11592	TT Aql	178359		05.7	+01	13	7.0 _v	.012	cG4v	0.0	b	10	W	Cep 13.8 *
11593	26347	178428		05.7	+16	47	6.0	.314	dG4	+ 14.4	a	36	S	Orb. Albitzky
11594	17° 5492	178316		05.9	-17	21	10.6	••#*	R2	- 42	c	2	W	
11595	26355	178476		05.9	+21	37	6.2	.085	dF3	- 39.7	b	4	V	
11596	26358	178540		06.0	+24	39	6.7	.010	B5	- 19	c	9	V	SB
11997	SV Sge	.....		00*0	+17	33	<u>11.6</u>	.....	R2	+ 4	b	4	W	R CrB
11598	26359	178539		06.0	+25	56	7.3	.022	K0	- 23	d	1	V	
11509	a CrA	178253		06.1	-37	59	4.1	.134	A2n	- 18.4	b	4	L	
11600	26381	178661		06.1	+38	51	7.5	.012	A3	- 28.8	b	23	V	Orb. Harper

Cat. No.	Star	JiD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	"	km/sec						
11601	26362	178512	19	06.1	+13	01	7.0	0.033	B5	- 7	c	11	DS	*
11602	26370	178568		06.3	+14	21	6.7	.017	B9	- 26	c	6	D	
11603	26374	178619		06.4	+16	46	6.5	d04	dF2	+ 9.8	b	34	V	Orb. Harper
11604	26375	178322		06.4	-41	58	5.9	.022	B8n	+ 6	d	3	L	
11605	10° 4972	178487		06.5	-10	18	8.7	.013	B0	- 49.8	b	6	L	IS -31 c
11606	26377	178770		06.5	+39	04	7.6	.008	gM6	- 16.9	b	3	W	
11607	26379	178596		06.5	+06	00	5.4	.079	dF2	- 46.7	b	22	4	*
11608	/3 CrA	178345		06.6	-39	25	4.2	.039	G5	+ 2.7	a	9	CL	*
11609	26381	178637		06.6	+11	13	6.7	.022	K0	+ 8	c	3	S	SB (20)
11610	26383	178496		06.7	-21	33	8.7	.451	dG4	- 41.6	b	4	W	
11611	TT Sgr	178524		06.8	-21	06	3.0	.040	cF3	- 9.8	a	36	CL	*
11612	FM Aql	178695		06.9	+10	28	8.1v	.014	K0	- 12.0	b	8	W	Cep 6.11
11613	26391	178798		06.9	+30	13	6.9	.007	K5	- 15	c	5	D	SB (29)
11614	26392	178849		06.9	+34	41	6.6	.008	B6	- 8	c	7	VW	SB *
11615	11° 3752	178715		07.0	+11	33	7.1	.021	G5	+ 10.8	b	3	S	
11616	33° 3339	.....		07.0	+33	59	9.2	.10	dK6	+ 22	c	2	W	
11617	14° 3803	230780		07.0	+15	03	10.8	.....	B5e	- 26	e	2	Md	
11618	10° 3801	178717		07.0	+10	10	7.5	.015	K5	+ 5	d	1	V	
11619	+0° 4118	178720		07.1	+00	51	9.1	.024	B5	- 20.8	b	12	L	
11620	V Lyr	178876		07.1	+29	35	8.5v	.....	gM7e	- 22	c	2	W	Em -36 *
11621	26396	178911		07.2	+34	31	6.5	.197	dG1	- 41.2	b	3	W	
11622	26397	179094		07.3	+52	21	5.9	.121	sgKO	+ 4.2	a	35	D	Orb. Young
11623	26402	178746		07.4	-07	22	7.4	.076	K0	- 58	d	1	V	
11624	20° 4062	178890		07.4	+20	10	9.2	.013	G5	+ 1	d	1	L	
11625	26404	178947		07.4	+30	29	6.7	.008	B8	- 28	c	6	W	
11626	26405	178628		07.6	-39	05	6.2	.024	B8n	- 1	d	3	L	SB (43)
11627	38° 3455	179070		07.7	+38	38	8.0	.04	sgF6	- 28	c	2	L	
11628	12° 5298	178861		07.9	-12	34	8.3	.045	B5	- 9	d	6	L	
11629	26412	180427		08.2	+79	34	7.9	.088	gKO	- 72.0	b	3	W	
11630	5° 4053	179076		08.5	+05	10	9.3	.030	A0	- 45	e	1	L	
11631	10° 3813	179100		08.5	+10	16	7.5	.026	K0	- 15	d	1	V	
11632	71° 933	179907		08.8	+71	18	9.0	.....	dF5	- 26.5	b	3	W	
11633	26428	179280		08.8	+31	33	7.1	.048	FO	- 16	c	6	D	
11634	.....	179153		08.9	-01	28	10.8v	.....	R8	+ 22	c	2	W	
11635	15° 3721	179218		08.9	+15	42	7.2	.022	B9e	- 3	c	6	D	
11636	26435	179309		09.1	+23	24	6.8	.004	B9	- 18	d	6	S	
11637	26436	179130		09.1	-14	40	7.4	.047	gK3	- 38	c	4	W	
11638	Bd 516-209	.....		09.2	+16	47	10.0	.....	WN7	+194	e	1	W	Em +198 e *
11639	16° 5196	179177		09.3	-16	31	8.1	.066	gF5	- 33	c	2	L	
11640	26441	190250		09.4	+88	56	8.4	.143	dG3	- 13	c	4	W	
11641	XZ Dra	.....		09.4	+54	46	9.6v	.....	.....	- 25	d	1	W	RR §.48
11642	A 12145A	179484		09.4	+38	42	8.2	.264	dG4	+ 28	c	7	W	
11043	A 12145B	.....		09.4	+38	42	8.7	.....	dKO	+ 24.8	b	6	W	
11644	26445	179201		09.5	-21	45	6.4	.029	gG8	- 4.8	b	19	W	SB (S3)
11545	26446	179422		09.5	+26	39	6.3	.042	dF4	- 26.8	b	3	V	
11646	26447	1793431		09.5	+02	32	6.8	.010	AOe	- 10.7	b	3	We	IS -11.7 b
11647	26448	179485j		09.6	+29	48	7.4	.021	K2	- 8	d	1	V	
11648	2S44§	179933		09.6	+65	54	§.2	.033	A2n	- 22.0	b	4	D	
11849	CC 1136	.....		09.6	+02	49	11.3	1.88	dM4	- 40	b	3	W	
11050	26454	179583		09.7	+40	21	6.1	0.026	AQ	+ 6.1	b	3	W	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
11651	26459	179527	19	09.8	+31	12	5.8	0.013	A0	- 30.1	b	10	V	
11652	SZ Dra	180004		09.9	+66	01	8.0 _{lv}	.031	gM5	- 42	c	2	W	Irr
11653	26461	179406		10.0	-08	01	5.4	.014	B3n	- 15.0	b	16	4	IS -14 c *
11654	U Dra	180050		10.0	+67	12	9.0 _v	.08	gM6e	0	b	3	W	Em -12 *
11655	6° 5063	179405		10.0	-06	33	8.6	.022	B5e	- 24	d	6	L	
11656	12° 5308	179407		10.1	-12	40	9.3	.046	B2n	- 90	d	7	L	
11657	26463	179323		10.1	-26	00	5.9	.012	cKO	+ 1	c	2	W	
11658	26465	179558		10.2	+16	46	7.9	.243	dG6	+ 37.1	b	5	W	
11659	17° 3887	179586		10.3	+17	55	7.2	.029	F0	- 33.8	b	4	D	
11660	FN Aql	179474		10.3	+03	28	8.8 _v	.022	cG5	+ 8.0	b	11	W	Cep 9.48
11661	31° 16465	179355		10.3	-31	02	11.3	.....	R3	+ 63	d	1	W	
11662	26467	179588		10.3	+16	46	6.4	.021	B9	- 18.3	b	5	W	
11663	26469	179497		10.5	-12	22	5.0	.028	gK4	- 17.5	b	3	W	
11664	26470	179648		10.5	+21	28	5.9	.005	A0	- 6	d	5	V	
11665	26472	179782		10.6	+36	06	6.8	.028	A0	- 12	c	6	S	
11666	RU Lyr	.....		10.7	+41	13	9.4 _v	.....	gM8e	0	c	2	W	Em -14 *
11667	26475	180006		10.7	+56	46	5.2	.057	gG7	- 15.8	b	6	LW	*
11668	40° 3624	179869		10.7	+41	09	7.3	.025	gM3	- 11	c	2	L	
11669	A 12169B	179957		10.8	+49	46	6.8	.662	dG5"	- 41.1	b	4	W	
11670	A 12169A	179958		10.8	+49	46	6.6	.666	dG3	- 37.6	b	4	W	
11671	CC 1137	179626		10.8	-00	40	9.3	.53	dF4	- 70.8	b	3	W	
11672	26479	179757		10.8	+19	03	8.3	.010	dFO	+ 21	d	3	L	SB (58)
11673	26482	179838		11.0	+29	09	6.9	.014	AOn	- 22	c	5	D	
11674	26484	180777		11.0	+76*	29	5.1	.129	dA9	- 4.0	a	9	LV	*
11675	14° 3830	179785		11.0	+14	51	7.4	.006	gK4	- 29.7	b	6	3	*
11676	14° 3831	179786		11.1	+14	32	7.8	.025	gM2	+ 35.3	b	3	W	
11677	RS Lyr	.....		11.2	+33	20	9.9 _v	.....	gM5e	- 18	c	2	W	Em -28 *
11678	26490	179761		11.2	+02	12	5.1	.006	B9	- 5.2	a	26	4	
11679	6° 4060	179790		11.2	+06	23	10.1	«...»	B5n	- 10	c	11	L	
11680	26494	179791		11.3	+05	26	6.3	.014	A2	+ 14	c	4	V	
11681	26496	180841		11.3	+76	06	8.2	.174	dF8	- 43.3	b	3	W	
11682	34° 3466	179985		11.4	+34	24	8.0	.....	gF7	- 25	c	2	L	
11683	8° 4007	179870		11.5	+08	57	7.4	.001	G9	- 15	d	1	V	
11684	RX Sgr	179769		11.6	-18	54	9.0 _v	*...*	gM5e	- 23	c	2	W	Em -37 *
11685	+0° 4147	179894		11.8	+00	13	9.3	.047	GO	- 10	d	1	L	
11686	MSB 65	.....		11.8	+27	13	9.0	.....	R3	+ 13	d	1	W	
11687	7/ Lyr	180163		12a	+39	04	4.5	.001	B5	- 8.2	a	55	6	IS -12.0 b *
11688	A 12197B	.....		12.1	+39	04	8.5	.....	AO	- 25.0	b	3	W	
11689	26508	180054		12.1	+18	59	7.9	.044	dF5	- 7.8	b	3	W	
11690	26512	179366		12.2	-60	45	5.0	.022	A2n	+ 11.5	b	3	L	
14691	15° 3739	180080		12.3	+15	17	8.3	.010	AO	- 19.4	b	5	W	
11092	26514	180028		12.3	+05	58	7.2	.018	F8p	- 0	c	3	S	
11693	f Sgr	179950		12.5	-25	21	4.9	.052	dF5	- 34	c	11	L	SB 2-sp
11694	6 Dra	180711		12.5	+67	34	3.2	.130	gG8	+ 24.8	a	20	4	*
11695	16° 5220	180015		12.6	-10	11	7.5	.042	gG8	+ 41	c	2	L	
11000	9° 4037	180120		12.6	+09	43	7.9	.030	B4n	- 9.1	b	10	L	
11097	W Aql	.....		12.7	-07	08	7.2 _v	.030	Se	- 18	b	3	W	Em -38 5 *
11698	26526	179886		12.7	-45	33	5.3	.005	K5	+ 6.3	a	5	LC	*
11699	26528	180105		12.9	+10	07	7.0	.010	K2	- 11	d	1	V	
11700	20529	180110		12.9	-14	50	7*9	.019	B9	- 8,B	b	4	W	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes			
			R.A.	Decl.											
			h	m	°	'	km/sec								
11701	26530	180242	19	12.9	+20	07	6.1	0.017	gKO	+ 7.4	b	3	V		
11702	26531	180216		12.9	+16	07	7.1	.023	A2n	- 24	c	5	D		
11703	14° 3845	180243		13.0	+15	00	7.8	.022	A0	- 27	d	4	W	SB (39)	
11704	26536	180316		13.0	+27	52	6.7	.006	B5	- 10	c	10	DS	SB (82) *	
11705	26537	180610		13.0	+57	37	5.3	.073	gK2	- 27.2	a	13	3	*	
11706	26539	180262		13.1	+15	00	5.7	.014	gG7	- 25.1	b	7	W		
11707	26542	180317		13.1	+21	09	5.6	.035	A1n	- 23.1	b	9	3	*	
11708	19° 3959	180352		13.3	+19	20	7.1	.023	G8	- 27	d	1	V		
11709	T Sgr	180196		13.4	-17	04	7.0v	.015	Se	+ 2	b	6	W	Em -16 *	
11710	26549	181204		13.5	+73	48	8.1	.035	gM3	- 1	c	4	W		
11711	26550	180450		13.5	+30	26	6.1	.035	gMO	- 63.3	b	7	DV	*	
11712	26551	180778		13.5	+59	36	7.5	.021	A2	- 29.0	b	4	D		
11713	14° 3849	231014		13.5	+15	08	8.1	.034	dG6	+ 4.0	b	3	W		
11714	12° 3861	180398		13.6	+13	01	7.7	.025	B3ne	- 33	d	7	£	SB (109)	
11715	II 4846	180324		13.7	-09	09	.....	.....	Pd	+151.0	b	8	L	Em PL neb.
11716	R Sgr	180275		13.8	-19	24	6.6v	.010	gM5e	- 45	b	3	W	Em -52 *	
11717	26558	180451		13.8	+16	04	7.0	.031	A9n	- 50.5	b	4	D		
11718	I 1297	180206		13.9	-39	42	.....	.....	Pe	+ 19	c	3	L	Em PL neb.
11719	26562	180583		14.0	+27	50	6.1	.021	F6	- 15.8	b	8	DS	*	
11720	26564	180614		14.0	+30	57	6.9	.138	K0	- 21	d	1	V		
11721	26565	180756		14.0	+49	59	6.3	.007	gG6	+ 6.0	b	3	W		
11722	26566	180613		14.0	+31	09	6.8	.021	B3	+ 8.8	a	10	DS	*	
11723	26567	180482		14.0	+04	45	5.4	.021	A2	- 22	c	15	3	SB *	
11724	26569	180554		14.1	+21	18	4.6	.011	B5n	- 17	c	32	4	IS -16 c *	
11725	26° 3504	180615		14.1	+26	46	7.1	.026	F8	+ 6.9	b	3	S		
11726	26570	180409		14.1	-11	04	7.0	.152	dF7	- 58.9	b	3	W		
11727	A 12248A	180555		14.2	+14	27	5.5	.008	AOn	- 19	c	12	3	*	
11728	A 12248B	.....		14.2	+14	28	8.9	.....	dG2	- 28	c	2	w	
11729	26576	180416		14.3	-21	10	7.4	.015	gKO	- 4.4	b	3	W		
11730	15° 3752	231039		14.3	+15	16	8.2	.026	dF4	- 14.3	b	3	W		
11731	10° 3849	180587		14.4	+10	53	8.1	.020	B4	- 8.6	b	10	L	IS +4 c	
11732	26581	180867		14.5	+46	58	8.1	.041	dF6	- 14	c	2	L		
11733	CC 1143	180617		14.5	+05	06	9.2	1.44	dM3	+ 34	b	5	WMd	*	
11734	N 6779-3	.....		14.6	+30	07	14.4v	.....	F8-G5	-158	c	6	W	
11735	N 6779-6	.....		14.6	+30	06	13.1v	.....	F6-G4e	-132	b	11	W	
11736	NGC 6779	.....		14.6	+30	05	.....	.....	F5	-154	c	5	LW	Glob. cL *
11737	26583	180684		14.6	+18	53	7.0	0.089	GO	- 3	d	3	S	SB (24)	
11738	6 Lyr	180809		14.6	+38	03	4.5	.005	gG9	- 30.9	a	19	4	*	
11739	N 6779-1	.....		14.7	+30	06	15.1v	.....	A6-A8	-174	c	2	W	
11740	18° 4015	180714		14.7	+18	44	8.3	.026	sgFO	- 18	c	2	L		
11741	+0° 4159	180642		14.7	+00	58	8.1	.021	B3	- 14.0	b	8	L	IS -11 c	
11742	26589	180540		14.7	-19	03	5.0	.022	gG5	+ 15.2	a	12	3	*	
11743	26593	180844		14.8	+33	02	7.0	.013	B5	- 30.2	b	8	VD	*	
11744	CG Vial	.....		14.9	+21	50	13.5v	.....	N	- 20	d	1	W	Irr?
11745	17° 5564	180629		15.0	-17	01	7.9	*.0*39	B5	- 11	c	6	L		
11746	26599	180782		15.3	+01	56	6.1	.033	AO	- 27	c	10	V		
11747	26604	181096		15.4	+46	54	6.0	.289	dF3	- 44.0	a	10	4	WV	*
11748	♃ Aql	180868		15.5	+11	90	5.1	.012	A3n	- 14.3	b	16	4	*	
11749	C 2525		15.5	+71	26	9.0	.22	dK2	+ 6.7	b	4	4	WV	
11750	RS Vul	180939		15.5	+22	21	6.9Y	.030	B5+A2	- 21.4	b	29	4	WV	KA 4.48 *

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'	''		km/sec					
11751	26613	180968	19	15.6	+22	56	5.4	0.009	BOn	+ 1	c	18	4	IS -13.7 b *
11752	18° 4024	180940		15.6	+18	45	7.6	.030	gK2	+ 4	c	2	L	
11753	26616	181468		15.6	+66	11	8.7	.137	dF9	+ 12.2	b	3	W	
11754	NGC 6778	180871		15.7	-01	43	.....	.....	Pc	+ 91.1	b	4	L	Em. PL neb.
11755	HN Lyr	.....		15.8	+42	43	<u>11.4v</u>	.....	M4e	- 66	d	1	W	Em. RN400 ?
11756	* Cyg	181276		15.9	+53	17	4.0	.135	gG8	- 29.3	a	17	3	*
11757	26623	180972		16.0	+01	00	5.3	.018	gK1	- 24.1	a	7	LW	*
11758	26625	181119		16.1	+30	56	6.5	.019	A0	- 25.2	b	9	DY	*
11759	C 2519	181098		16.1	+24	19	7.1	.176	G5	- 74.0	b	3	S	
11760	NGC 6781	180993		16.1	+06	26	.....	.....	P	+ 6	d	1	L	Em. PL neb.
11761	26626	180928		16.2	-15	38	6.3	.286	sgK4	- 17.8	b	6	W	
11762	54° 2118	181358		16.2	+54	12	8.1	.067	sgF6	- 54	c	2	L	
11763	16° 3809	181099		16.3	+16	36	7.2	.043	A3	- 35.8	b	4	D	
11764	26629	181053		16.3	+00	15	6.5	.013	gG9	- 28.5	b	4	W	
11765	26630	180953		16.3	-16	00	7.2	.033	N	- 45	a	7	WL	*
11766	26631	180885		16.4	-35	31	5.6	.013	B7	- 10	c	5	L	
11767	15° 3762	181120		16.4	+15	35	7.7	.039	AO	- 22	c	4	W	
11768	26632	181566		16.4	+63	07	6.9	.024	F5	- 0.3	b	5	D	
11769	25° 3786	181164		16.4	+25	59	7.3	.017	B3	- 7.6	b	5	V	IS -13.8 b
11770	+0° 4173	181074		16.5	+00	26	8.9	.010	B3	- 39	c	8	L	IS -16 c
11771	26636	181122		16.5	+09	32	6.4	.040	K0	- 11.7	b	4	D	
11772	26637	181144		16.5	+16	24	6.9	.046	F7	- 4.4	a	34	D	Orb. Northcott
11773	S Sgr	181005		16.5	-19	07	9.1v	.013	gM4e	+ 35	c	2	W	Em +25 *
11774	r ijra	181984		16.5	+73	16	4.6	.180	gK4	- 29.7	b	12	3	SB *
11775	U Sge	181182		16.6	+19	31	6.4v	.023	B9+G2	- 17.1	a	128	AW	EA 3.38 *
11776	14° 5387	181058		16.7	-14	15	8.3	.030	gG6	+ 33.9	b	3	W	
11777	Z Sgr	181060		16.8	-21	01	8.1v	.....	gM5e	- 21	b	3	W	Em -35.3 *
11778	13° 3981	181253		17.0	+14	05	7.3	.021	GO	- 31	c	2	S	
11779	V528 Aql	.....		17.0	+00	36	<u>7.2v</u>	.....	Q	.....	..	10	WL	IS +11 b *
11780	26644	181330		17.1	+27	10	7.0	.017	K5	- 23	d	1	V	
11781	26647	181409		17.2	+33	18	6.3	.039	B3	+ 10	c	7	V	IS -19 c *
11782	23° 3625	181360		17.2	+23	12	7.5	.006	B3	- 14.2	b	4	V	
11783	26650	181470		17.3	+37	21	6.2	.018	A0	- 13.9	b	35	V	Orb. Harper
11784	26652	181597		17.3	+49	29	6.3	.050	K0	- 14.0	b	4	D	
11785	W Sge	181332		17.3	+17	07	8.8v	.....	gM4e	- 66	c	2	W	Em -74 *
11786	26654	181333		17.3	+12	17	5.4	.018	gFO	+ 3.2	b	14	3	*
11787	CC 1145	.....		17.4	+41	33	8.7	.66	dK1	-123.5	b	4	W	
11788	20659	181799		17.5	+8Q	52	7.0	.049	B9	- 18.3	b	5	D	
11789	26660	181383		17.5	+11	26	6.0	.044	A2	- 22	c	4	S	
11700	26662	181492		17.6	+31	52	5.5	.008	B4	- 18.6	b	4	V	
11791	10° 5035	181312		17.7	-10	W	7.3	.006	gM5	- 68	c	3	L	
11792	A 12S22A	181386		17.7	+03	57	BA	.020	gG5	* 7	c	4	W	
11793	A 12322B	.....		17.7	+03	57	9.0	.....	gG8	+ 18	c	4	W	SB (39)
11704	26669	181391		17.9	-05	31	5.1	.120	sgKO	- 18.5	b	7	LC	SB *
11795	26670	181655		17.9	+37	14	6.4	.202	G5	+ 1.5	b	4	D	
11796	40° 3670	181681		18.0	+40	11	7.4	.006	gK4	- 21	c	2	L	
11797	26° 3528	181601		18.0	+26	35	7.4	.028	K5	- 20	d	1	y	
11798	+0° 4178	181474		18.0	+00	34	8.9	.006	B5	- 14.7	b	7	L	IS -9 c
11799	28673	181440		18.0	-00	5S	5.5	.005	B9	- 27	c	11	WL	SB (IS) *
11800	2S676	181475		18.2	-04	36	7.4	.018	cK5	+ 2.5	b	4	LV	*

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
11801	10° 3866	181604	19	18.3	+10	34	7.9	0.054	sgF7	- 20	c	2	L	
11802	U Lyr	.....		18.4	+37	47	7.9v	.....	Ne	- 3	b	5	W	Em -36 *
11803	26682	181960		18.5	+54	17		".0*31	A0	- 6	c	6	V	
11804	26685	181609		18.5	-01	16	7.1	.020	K3	+ 8	d	1	V	
11805	4° 4073	181636		18.6	+05	01	7.2	.073	K5	- 6	e	1	V	
11806	AV Cyg	.....		18.7	+29	25	10.4v	.....	cG2ev	- 25	c	7	W	SR 89.7 *
11807	P Sgr	181577		18.8	-17	57	4.0	.036	dA7n	+ 1.2	b	6	LV	
11808	26695	181752		18.8	+19	03	6.8	.095	F5	- 47	c	3	S	
11809	7) Tel	181296		18.8	-54	31	5.2	.076	AOn	+ 12	c	5	L	
11810	V Sgr	181615		18.9	-16	03	4.6	.004	Aev	+ 8.9	a	60	LV	IS -8 c *
11811	26700	181645		18.9	-18	24	6.0	.135	gG9	- 12.7	b	5	W	
11812	& Sgr	181454		19.0	-44	33	4.2	.022	B8	- 8.6	b	10	L	
11813	26708	182190		19.4	+57	33	6.1	.022	gM1	- 21.0	b	6	WD	*
11814	26710	181963		19.4	+25	30	7.3	.013	B3	- 15.7	b	4	V	IS -15.5 b
11815	T Sge	181903		19.5	+17	34	8.4v	.....	cM4	+ 4	c	2	W	Irr
11816	26715	181882		19.5	+10	49	7.3	.060	K5	- 72	d	1	V	
11817	Z Vul	181987		19.6	+25	29	7.0v	.011	B3+B3	- 15.1	b	18	V	EA 2.45 *
11818	32° 3402	182031		19.6	+32	35	7.4	.0*26	K1	- 5	d	1	V	
11819	26718	181623		19.6	-44	54	4.5	.108	A9n	+ 22	c	7	L	
11820	26720	181858		19.6	-08	18	6.5	.031	B5	- 13.7	b	5	V	
11821	26723	181907		19.8	-00	21	6.0	.056	gG8	- 10.9	b	4	W	
11822	22° 3674	182032		19.8	+22	24	7.7	.011	B3	- 17.8	b	4	V	IS -21 c
11823	26725	182010		19.8	+17	39	6.8	.016	B8	- 28	c	15	SD	SB *
11824	NGC 6790	182083		20.4	+01	25	.....	.....	Pd	+ 41.8	b	8	L	Em PL neb.
11825	26733	182040		20.4	-10	48	7.0	.009	R2	- 46.6	b	10	MiW	.
11826	T Dra	182564		20.4	+65	37	4.6	.043	A2	- 28.7	b	11	3	*
11827	26736	182101		20.4	+09	49	6.2	.094	F8	- 19.5	b	3	S	
11828	a Sgr	181869		20.4	-40	43	4.1	.124	B8	. 0	c	9	LW	SB .
11829	CC 1151	.....		20.5	+33	46	9.5	.73	dK6	- 63	c	2	W	
11830	26739	182440		20.5	+57	40	6.5	.044	K2	+ 6.6	b	4	D	
11831	26743	182272		20.7	+33	25	6.3	.036	K0	- 15.8	b	4	D	
11832	C 2531	182712		20.7	+69	49	9.3	.24	dK1	- 35.9	b	3	W	
11833	26748	182255		20.8	+26	10	4.9	.012	B8	- 12.2	a	29	5	*
11834	26749	182239		20.9	+14	49	6.6	.034	A4	+ 9	c	8	DS	*
11835	29° 3576	182292		20.9	+30	11	7.3	.042	G7	- 26	d	1	V	
11836	2° S866	182222		20.9	+03	06	9.3	.013	B3	- 1	c	a	L	IS -3 c
11837	26756	182293		21.0	+20	11	7.0	.093	K3	-110	d	i	V	
11838	14° 3898	231285		21.1	+15	07	10.3	.023	BOn	- 17	d	2	Md	IS +1 c
11839	8° 4072	182296		21.3	+08	34	7.1	* . . .	G6	- 14	d	1	V	
11840	26766	182180		21.4	-27	58	5.9	.005	B3	.....	..	1	We	IS -8 c
11841	71° 949	182951		21.4	+72	01	7.2	.....	gKB	- 12.Q	b	3	W	
11842	46° 2675	182549		21.6	+46	12	7.8	.049	cG6	- 25	c	2	L	
11843	26769	182381		21.6	+15	55	7.4	.018	AOn	- 10	d	5	0	
11844	26770	182422		21.6	+20	10	6.5	.014	A0	- 27	c	3	V	
11845	26773	184146		21.7	+83	22	6.3	.013	A2	- 15	d	5	V	
11846	26774	182488		21.7	+33	07	6.5	.182	dK1	- 20.5	b	4	D	
11847	BF Cm	.....		21.9	+29	35	9.3v	.....	#	+ 3	e	3S	W	Bep+gM4 .
11848	26782	182691		22.1	+50	10	as	.016	B9	- 24.0	b	7	V	
11840	26783	182593		22.1	+39	29	7.1	.035	K2	+ 1	d	1	V	
11850	26784	182490		22.1	+16	50	6.0	.on	A3	+ 12.0	a	44	o	Orb, Young

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
11851	12° 3896	182491	19	22.1	+12	11	7.1	0.016	K3	- 26	d	1	V	
11852	26785	182568		22.2	+29	31	4.9	.016	B5	- 21	c	11	LY	IS -15 c *
11853	X Sgr	182369		22.2	-24	36	5.0	.083	A5	- 41.8	b	5	L	
11854	26792	182635		22.3	+36	21	6.4	.074	K0	- 32.9	b	4	D	
11855	26794	182694		22.4	+43	17	6.0	.031	gG5	- 0.1	b	9	VW	*
11856	26795	182519		22.4	+01	44	8.4	.001	B5n	- 13.9	b	10	L	IS -7 c
11857	26796	182616		22.4	+30	57	7.2	.005	B5	- 16	c	7	S	
11858	26801	182416		22.5	-24	04	5.6	.017	gK4	+ 39.5	b	4	W	
11859	26802	182571		22.5	+16	51	6.8	.035	A0	- 1	d	3	VW	SB (46) *
11860	26805	182477		22.5	-14	00	5.8	.088	gK3	- 34.2	b	3	W	
11861	26809	182572		22.6	+11	50	5.2	.960	dG7	- 99.8	a	9	3	*
11862	22° 3687	.....		22.7	+22	41	8.6	.015	B2e	- 1.9	b	3	W	
11863	6 Aql	182640		23.0	+03	01	3.4	.26V	dA5n	- 29.9	b	81	5	SB *
11864	26819	182761		23.2	+20	10	6.4	.033	A0	- 32	c	3	V	
11865	CH Cyg	182917		23.2	+50	08	6.6v	.017	gM6	- 53.7	b	6	W	SR 100
11866	26821	182762		23.3	+19	42	5.3	.111	gG7	+ 0.7	b	3	L	
11867	26823	182629		23.3	-21	53	5.6	.032	gK3	- 20.1	b	3	W	
11868	26824	182645		23.3	-15	09	5.7	.021	B8	- 7	c	4	W	
11869	26825	182807		23.4	+24	49	6.2	.657	dF6	- 4.2	b	6	WV	*
11870	VX Dra	183556		23.4	+76	28	6.2v	.010	N	+ 6	b	5	LW	Irr *
11871	26° 3549	.....		33.4	+26	14	8.2	.049	eKO	- 63.8	b	4	W	
11872	26833	182681		23.8	-29	51	5.7	.056	B9	+ 2	e	1	L	
11873	RR Lyr	182989		23.9	+42	41	7.1v	.224	A6v	- 72.4	a	395	3	RR 0.57 *
11874	V Aql	182835		24.0	+00	14	4.9	.004	cF5	- 1.0	a	13	5	*
11875	26839	182919		24.0	+20	00	5.6	.038	B9n	- 21	c	15	VW	SB *
11876	26840	182900		24.1	+12	55	5.8	.059	dF3	- 33.8	b	8	SW	*
11877	26842	182901		24.2	+11	45	6.8	.110	F5	- 43	c	3	S	
11878	26844	182955		24.3	+19	47	6.0	.052	gMO	- 35.6	b	3	W	
11879	26846	183056		24.3	+36	13	5.2	.007	AOp	- 22	c	25	3	SB *
11880	21° 3782	183013		24.5	+21	33	7.2	.004	B3	- 6.1	b	5	V	
11881	26851	183032		24.5	+27	13	7.8	.131	dF9	- 10.6	b	6	W	
11882	26852	182991		24.6	+11	58	6.8	.019	AO	+ 2.3	b	6	S	
11883	26857	184102		24.7	+79	30	6.0	.032	A2n	- 3.1	b	4	D	
11884	26859	182926		24.8	-18	27	7.3	.020	dF4	+ 0.1	b	5	W	
11885	26860	182975		24.8	-02	07	8.2	.012	B3	- 1	c	5	L	
11886	26864	183339		24.9	+57	56	6.5	.016	B8	- 22	c	6	D	
11887	49° 3009	183255		25.0	+49	20	8.0	.847	dK1	- 65.9	b	3	W	
11888	26870	182908		25.2	-18	28	6.9	.008	gK5	- 32.1	b	3	W	
11889	26873	183143		25.2	+18	12	6.9	.015	cB8e	+ 12.6	a	18	WV	IS -2.8 b *
11890	26875	183144		25.3	+14	11	0.3	.021	B5a	+ 4	c	7	V	
11891	12° 3913	183145		25.4	+12	23	7.8	.033	gK1	- 0.7	b	3	W	
11892	12° 5409	183063		25.4	-12	15	7.4	.076	dG7	- 22.5	b	3	W	
11893	-0° 3760	183127		25.5	-00	31	8.1	.014	sgF6	- 10	c	2	Lr	
11894	i° 3749	183129		25.5	-01	12	8.3	.021	B8	- 1.9	b	5	L	
11895	26881	183261		25.7	+20	09	7.2	.010	B3n	+ 7	d	8	V	SB
11896	2S882	183133		25.7	-15	12	6.7	.004	B3n	- 24	d	8	L	SB (111) *
11897	BN Vul	.....		25.8	+24	15	11.0V	.....	-235	d	1	W	RR 0.59	
11898	26887	18SS62		25.8	+37	50	6.4	.022	B3ne	- 16.2	b	4	V	IS -22.8 b *
11899	26S88	183611		25.9	+62	27	6.5	.052	K4	- 39.9	b	4	D	
11900	26880	183262		25.9	+17	45	6.9	.041	At	- 4	c	6	D	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
11901	A 12478A	183363	19	25.9	+36	26	7.9	0.009	A0	- 11	c	8	S	
11902	A 12478B	.....		25.9	+36	26	8.1	.....	A0	- 13	c	6	S	
11903	26893	183534		26.2	+52	13	5.7	*.0*32	A0	+ 1.9	a	46	VW	*
11904	5° 4158	183285		26.2	+05	20	9.6	.082	GO	+ 6	d	1	L	
11905	26894	183399		26.2	+29	21	6.8	.028	K0	- 15.0	b	7	DS	*
11906	42° 3351	183473		26.3	+42	39	8.6	.17	dG3	- 44	c	3	W	
11907	26897	183400		26.4	+24	54	7.3	.024	K5	- 11	d	1	V	
11908	26900	183324		26.5	+01	51	5.8	.035	AOn	+ 10	e	6	VW	*
11909	oc Vul	183439		26.6	+24	34	4.6	.176	gM1	- 85.5	a	11	3	*
11910	12° 3923	183401		26.7	+12	22	7.7	.004	gA8n	- 31.3	b	6	W	
11911	12° 3925	183421		26.7	+12	45	7.2	.010	AOp	- 22.3	b	6	W	
11912	U Aql	183344		26.7	-07	09	6.0v	.018	cG3v	- 6.5	a	22	W	Cep 7.02 *
11913	26907	183387		26.7	+00	09	6.5	.009	K2	- 59.9	b	4	D	
11914	C 2537	183536		26.8	+34	30	8.2	.220	dF8	- 49.9	b	3	W	
11915	26914	183491		26.9	+24	40	6.0	.013	gG6	- 26.9	b	3	W	
11916	12° 3926	183460		26.9	+13	05	7.9	.022	dFO n	- 31.1	b	6	W	
11917	26917	183442		27.0	+02	59	8.0	.006	B5	- 45	d	10	L	IS -17 c
11918	26919	183492		27.1	+14	30	5.7	.050	gKO	- 40.2	b	9	VW	*
11919	12° 3927	231564		27.1	+12	28	10.8	.....	cB1	+ 25	e	2	Md	IS +28 d
11920	26921	183537		27.2	+20	11	6.4	.023	B5n	- 42.7	b	7	V	
11921	12° 3929	183512		27.3	+12	18	7.7	.021	gA5	- 16.1	b	6	W	
11922	AW Cyg	.....		27.3	+45	56	8.7v	.051	N	- 12	c	2	W	Irr
11923	30° 3590	183629		27.4	+30	26	7.5	.00	K2	- 44	d	1	V	
11924	26923	183650		27.4	+31	31	7.0	.419	dG5	- 11.8	b	6	WS	*
11925	12° 3932	183615		27.6	+13	02	7.6	.012	gFO	- 34.8	b	6	W	
11926	V374 Aql	.....		27.7	-00	56	12.5v	.....	Ne	+ 11	d	1	W	Em -11 Irr
11927	26925	183589		27.7	+02	48	6.4	*.009	K5	- 7.2	b	4	D	
11928	22° 3712	183681		27.7	+22	36	7.5	.029	gMO	- 10	c	6	LV	*
11929	59° 2038	183968		27.8	+59	40	7.8	.018	gK4	- 25.4	b	3	W	
11930	16° 5337	183570		27.9	-16	16	7.2	.027	B6	- 4	c	6	L	
11931	26936	183630		28.0	-02	54	5.2	.018	gM1	- 11.1	a	10	3	*
11932	26937	183656		28.0	+03	20	6.3	.007	B6ep	- 41.8	b	26	VMd	*
11933	17° 3986	231616		28.1	+18	09	10.7	.....	B3	+ 13	e	2	Md	IS -23 d
11934	26938	183728		28.1	+16	36	7.0	.010	A2	- 19	c	9	S	
11935	3° 4026	183734		28.3	+03	41	8.6	.022	B5	- 3.7	b	8	L	IS -2 c
11936	L Cyg	184006		28.4	+51	37	3.9	.129	AIn	- 19.5	b	21	4	*
11937	6° 4172	183791		28.5	+06	17	7.8	.030	cG2	+ 15	c	2	L	
11938	17° 3989	183849		28.6	+18	09	7.4	.017	KO	- 23	d	1	V	
11939	O Cyg	183912		28.7	+27	51	3.2	.009	gK1p	- 24.0	a	47	6	A 12540A *
11940	AF Cyg	184008		28.7	+46	03	7.4v	.031	gM6	- 15	b	8	W	SR 94.1
11941	A 12540B	183914		28.7	+27	52	5.4	.013	B9ne	- 18	c	7	WL	*
11942	26960	183986		29.0	+36	07	6.0	.014	AO	+ 7	c	9	3	*
11943	NGC 6803	183889		29.0	+09	58	.....	.....	Pd	+ 13.1	b	6	L	Em PL neb.
11944	NGC 6804	183932		29.2	+09	07	.....	.....	Pe	- 13	c	3	L	Em PL neb.
11945	""26968	184010		29*3	+26	31	6.0	.038	sgG8	- 2	c	8	WS	*
11946	V410 Sgr	.....		29.3	-23	58	9.7v	.....	.....	- 50	d	1	W	RE 0,48
11947	26971	231683		29.4	+17	41	9*2	.133	dG2	- 57.7	b	3	W	
11948	26975	183877		29.6	-28	07	7.0	.748	dG6	- 43	c	4	W	
11049	cc 1156	.....		29.6	+36	03	10.4	.549	dF1	-172	c	3	W	
11950	6° 4179	184025		29.8	+06	34	8.1	.024	sgF2	- 23	c	3	L	SB (25)

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'			km/sec						
11951	26988	184171	19	29.9	+34	21	4.8	0.003	B5	- 21.8	a	29	5	IS -20 c *	
11952	26990	184293		30.0	+50	12	5.7	.056	gK1	- 8.8	b	8	WV	*	
11953	+0° 4241	.....		30.1	+00	28	10.5	.22	dM1	- 39	c	2	W	
11954	26995	184398		30.2	+55	37	6.5	.015	cG6	- 5.7	a	50	W	Orb. Sanford	
11955	26996	184467		30.3	+58	29	6.7	.655	dK5	+ 11.1	b	9	W		
11956	C 2545	184152		30.5	+07	18	9.1	.334	dG6	- 13.3	b	4	W		
11957	71° 956	184824		30.5	+72	09	7.8	.....	sgKO	- 27.1	b	3	W	
11958	27003	184201		30.7	+04	55	6.8	.008	gM2	+ 1.1	b	3	W		
11959	A 12594A	184360		31.1	+20	18	7.4	.056	gA5p	- 52	c	8	W		
11960	A 12594B	.....		31.1	+20	18	8.9	.....	dF2	- 42.1	b	3	W	
11961	27016	184279		31.1	+03	39	6.8	.016	cB2e	- 9	c	8	VW	IS -10.0 b *	
11962	C 2551	184384		31.2	+27	17	8.5	.191	gF8	+ 2.2	b	3	W		
11963	27023	184958		31.4	+70	53	6.2	.058	K4	- 42.9	b	4	D		
11964	XZ Cye	.....		31.5	+56	17	9.0v	.081	A4v	-160	b	12	W	RR 0.47 *
11965	AQ Sgr	184283		31.5	-16	29	9.0v	.001	N	+ 14	b	4	LW	Irr *	
11966	L Tel	184127		31.5	-48	13	5.0	.048	G9	+ 22.3	a	5	L		
11967	27026	184268		31.5	-23	58	6.7	.003	gK5	- 11.8	b	3	W		
11968	27027	184499		31.6	+33	05	6.6	.508	dG1	-163.3	b	5	WV	*	
11969	27028	184926		31.6	+67	36	8.1	.143	sgG7	- 39.7	b	3	W		
11970	27029	184602		31.6	+45	56	7.4	.011	A2	- 23	c	5	D		
11971	(X Aql	184406		31.6	+07	16	4.6	.263	sgK4	- 23.9	a	12	3		*
11972	27034	184603		31.9	+38	39	6.5	.026	AOn	- 17	d	3	V		
11973	27041	184502		32.0	+16	09	6.8	.004	B3	- 22.5	b	4	V	IS -20.3 b	
11974	NGC 6807	184488		32.1	+05	35	.....	.....	P	- 67.7	b	6	L	Em PL neb.
11975	CC 1159	184489		32.1	+04	28	10.5	.592	dM1	- 51.6	b	3	W		
11976	27042	184590		32.2	+25	15	7.2	.026	gM2	+ 19	c	4	LW	SB *	
11977	27045	184786		32.3	+49	09	6.2	.006	gM4	- 9.8	b	8	DW	*	
11978	27046	184492		32.4	-10	40	5.2	.005	gG7	- 30.8	a	6	LC	*	
11979	27047	184606		32.4	+19	40	4.9	.003	B8n	+ 5	c	12	3	*	
11980	27048	184936		32.4	+60	03	6.4	.010	K5	- 19.2	b	4	D		
11981	α Bra	185144		32.5	+69	35	4.8	1.838	dG8	+ 26.7	a	14	4		*
11982	15° 1402	184607		32.5	+16	32	7.3	0.015	K0	- 65	d	1	V		
11983	30° 3639	184738		32.7	+30	25	10.0	.018	Ocp	- 30.4	b	5	L	Em WR+neb.	
11984	27062	184759		32.9	+29	21	5.4	.025	dF4	- 11.2	b	24	3	SB *	
11985	27064	184663		32.9	+02	48	6.5	.047	F2	+ 4.4	b	4	S		
11986	27066	184761		32.9	+27	07	6.7	.068	F0	- 26	c	3	S		
11987	27067	184552		33.0	-24	50	5.7	.026	dA7	- 45	c	6	LW	SB *	
11988	27068	184960		33.0	+51	08	5.6	.194	dF6	+ 1.2	b	3	W		
11989	27070	184875		33.1	+42	18	5.3	.025	A2	0	c	11	3	*	
11990	10° 3976	184726		33.1	+10	16	9.0	.027	AO	+ 8	e	1	L		
11991	27072	184005		33.2	+43	50	6.6	.019	AOp	- 9.6	b	10	3	*	
11992	27076	184700		33.2	-00	21	9.1	.344	dG2	- 21.8	b	3	W		
11993	27078	184977		33.2	+48	03	6.7	.078	A5	- 0.5	b	4	D		
11094	27082	1847S8		33.4	-00	01	7.9	.383	dG4	- 14.1	b	6	W		
11095	27083	1B4767		33.5	+00	08	7.1	.016	A1	- 17.6	b	3	W		
11996	27084	184940		33.5	+34	35	7.0	.001	B8	- 14	d	6	S	SB (91)	
11097	18° 4142	184881		33.6	+18	28	7.8	.025	gG5	+ 3	c	2	L		
11998	27089	184707		33.7	-25	00	4.7	.072	B9	- 19.0	b	6	L		
11999	13° 4009	184883		33.7	+13	44	7.9	.017	A0	- 27	d	2	V		
12000	27091	1S4853		33.8	+05	54	6.7	.003	gG5	+ 11.9	b	3	W		

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
12001	14° 3970	184909	19	33.8	+14	24	7.5	0.026	gK3	- 20.5	b	3	L	
12002	27092	184884		33.8	+11	02	6.5	.014	A2n	- 5	c	4	D	
12003	25° 3889	184942		33.8	+25	43	7.5	.012	B3	- 17.1	b	4	V	IS -21.8 b
12004	27096	184944		34.0	+14	17	6.5	.043	KO	- 42.0	b	4	D	
12005	46° 2736	185115		34.0	+46	29	8.2	.....	sgF1	- 14.7	b	3	L	
12006	85° 332	187216		34.0	+85	16	9.6	.....	R3	-129	c	2	W	
12007	27097	184961		34.0	+22	28	6.1	*.027	B9n	- 31	c	4	S	
12008	27099	185037		34.0	+36	50	5.9	.006	B9ne	- 15	c	7	W	
12009	27100	184860		34.0	-10	33	8.7	.389	dK5	+ 68	c	4	W	
12010	L Aql	184930		34.1	-01	24	4.3	.018	B8n	- 22	c	12	3	*
12011	27105	184835		34.2	-18	21	5.9	.019	gK3	- 7.3	b	3	W	
12012	ic Aql	184915		34.2	-07	08	5.0	.007	BOn	- 20	c	24	4	IS -8 c *
12013	27110	185394		34.2	+63	19	6.6	.014	gK4	+ 8.7	b	3	W	
12014	U Vul	185059		34.4	+20	13	<u>7.7</u> v	.005	cG4v	- 11.2	a	30	W	Cep 7.99 *
12015	27120	185018		34.5	+11	10	6.2	.014	G5	- 0.6	b	4	S	
12016	27122	185264		34.6	+50	08	6.6	.036	gG8	+ 8.1	b	8	DW	*
12017	27127	184985		34.8	-14	25	5.6	.180	dF6	- 21	c	7	SW	SB *
12018	27131	185713		34.9	+71	30	6.7	.131	dF1	+ 16	c	4	W	
12019	27136	185090		35.0	-00	15	7.4	.035	gA8n	+ 7.5	b	3	W	
12020	€ Sge	185194		35.0	+16	21	5.7	.018	gG8	- 32.6	b	9	VW	*
12021	27140	185351		35.1	+44	35	5.2	.149	sgKO	- 5.2	b	3	L	
12022	6 Cyg	185395		35.1	+50	06	4.6	.252	dF2	- 28.0	a	14	4	*
12023	27143	185124		35.1	-04	46	5.5	.114	dF1	- 37.6	b	7	SW	*
12024	27144	185268		35.2	+29	13	6.3	.021	B5n	- 20.1	b	5	V	
12025	27147	185269		35.2	+28	23	6.7	.078	GO	+ 1.3	b	3	S	
12026	V391 Aql	.....		35.4	+06	38	<u>12.8</u> v	.....	N	- 28	c	2	W	Irr
12027	R Cyg	185456		35.5	+50	05	<u>5.9</u> v	.005	Se	- 25	b	11	WL	Em -46 *
12028	27154	185799		35.6	+69	42	7.1	.034	gM5	- 10.6	b	3	W	
12029	RT Aql	185293		35.7	+11	36	6.7v	.040	gM7e	- 41	b	3	MiW	Em -54.2 *
12030	27160	185297		35.8	+00	14	7.4	.017	A3n	+ 3	c	5	W	
12031	27168	185436		36.1	+20	40	6.5	.078	KO	+ 5.0	b	4	D	
12032	16° 3928	185418		36.2	+17	09	7.4	.019	B3	- 2	c	7	V	
12033	27176	185423		36.3	+03	16	6.4	.010	B5	- 1	c	6	V	SB
12034	A 12730A	185855		36.5	+63	43	8.7	.038	g*5	- 34.2	b	4	W	
12035	A 12730B	.....		36.5	+63	43	10.2	.....	dEO	- 22.2	b	4	w	
12036	27183	185657		36.6	+49	10	6.5	.144	dG6	- 85	c	3	W	
12037	LU Aql	.....		36.6	+15	37	<u>10.9</u> v	.....	gM4	+ 2	c	3	W	Irr?
12038	a* Aql	185507		36.7	+05	17	5.2	.004	B3	- 4.8	a	118	AY	IS -14.0 b *
12039	27101	185605		37.0	+18	34	7.6	.028	B5	- 9.0	b	8	L	IS -2 c
12040	EZ Aql	.....		37.1	+08	29	<u>11.6</u> v	.....	cG8v	+ 50	c	3	w	RV 38.6 •
12041	27194	185467		37.1	-23	33	6.1	.023	gK1	- 28.1	b	3	W	
12042	27105	185622		37.2	+16	27	6.6	.006	cK5	- 3.6	b	8	DW	*
12043	21° 3863	185662		37.3	+21	14	7.4	.023	dYA	- 25	d	1	V	
12044	40° 3824	185780		37.3	+40	31	7.5	.021	B2	- 5	d	10	V	IS -17 c SB
12045	21° 5476	185534		37.3	-21	25	8.1	.030	B5	- 12.0	b	8	L	
12046	• Cyg	185734		37.4	+80	02	4.8	•039	gKO	+ 5.7	a	34	3	SB •
12047	27204	185755		37.5	+30	18	7.1	.017	B9	- 18	c	5	5	
12048	27205	185677		37.6	+07	27	7.2	•006	KO	- 26	d	1	V	
12049	27206	185912		37.6	+54	51	5.0	.170	dF4	- 14.6	a	33	V	Orb. Harper
12050	27212	185781		37.8	+24	25	7.0	.028	m	- 80	e	1	V	

Cat. No.	Star	K.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	//	km/sec						
12051	.....	.....	19	37.8	+08	55	11.8	.....	R0	+ 42	c	2	W	
12052	27213	185872		37.8	+42	42	5.4	0.0*31	B8	- 27.5	b	18	3	SB *
12053	27214	185644		37.9	-16	25	5.4	.080	sgK1	- 57.9	a	9	3	*
12054	oc Sge	185758		37.9	+17	54	4.4	.025	cF8	+ 1.7	a	16	4	*
12055	27216	185837		37.9	+33	52	6.1	.014	A2	- 32	c	3	V	
12056	27220	185955		38.1	+45	50	6.3	.035	gG8	- 10.4	b	8	DV	*
12057	23° 3730	.....		38.1	+23	54	9.2	.020	cB8	+ 17	d	2	Md	IS -3 d
12058	27222	185762		38.1	-00	44	5.5	.020	A0	- 46	d	4	Y	
12059	27226	185859		38.3	+20	22	6.4	.026	cBO	+ 5.2	b	16	VW	IS -8 c *
12060	HV Cyg	.....		38.3	+31	39	13.2v	.....	N	+ 24	d	2	W	SR 195
12061	RV Aql	185821		38.3	+09	49	8.1v	.....	gM3e	- 74	c	2	W	Em -84 *
12062	+0° 4270	185823		38.4	+00	35	7.9	.0*13	gK2	- 2.7	b	4	Y	
12063	27230	185915		38.5	+23	36	6.4	.026	B8	- 20	d	6	V	SB
12064	2° 5081	185842		38.6	-02	26	7.1	.017	B5	- 10	c	10	LV	SB *
12065	27232	185999		38.7	+31	17	7.1	.017	K0	- 9	d	1	V	
12066	QS Aql	185936		38.8	+13	42	5.8v	.019	B5	- 14.2	b	70	V	IS -15.5 b *
12067	£ Sge	185958		38.8	+17	22	4.4	.037	gG7	- 22.4	a	10	3	*
12068	TT Cyg	186047		39.0	+32	30	7.4v	.016	N	- 49	b	4	W	P119
12069	27240	186121		39.1	+42	58	6.4	.009	gM2	- 4.6	b	6	DW	*
12070	27241	186120		39.1	+44	40	7.4	.042	dKO	- 18	d	1	V	
12071	27242	186021		39.1	+22	20	6.4	.020	K1	- 23.0	b	4	D	
12072	46° 2752	186176		39.3	+46	16	7.8	.....	gG6	- 1	c	2	L	
12073	27249	186155		39.3	+45	24	5.0	.142	sgF5	- 20.2	a	11	3	*
12074	27252	186340		39.4	+60	23	6.2	.012	A4	- 1.1	b	9	DV	*
12075	27255	186005		39.7	-16	15	5.1	.064	FO _n	- 28	d	8	YL	SB *
12076	27261	186179		39.8	+27	16	6.7	.024	B8	- 24	d	5	S	
12077	27263	186122		39.9	+12	04	6.3	.009	B9	- 31.8	b	4	S	
12078	14° 4006	186182		40.1	+15	08	8.0	.011	B5	- 5.3	b	8	L	IS -6 c
12079	X Aql	186203		40.2	+11	42	5.3	.011	dF3	- 21.6	b	10	3	*
12080	8° 4189	186205		40.2	+09	06	8.7	.004	B5	- 10.8	b	8	L	
12081	27275	186307		40.2	+40	08	6.2	.038	A3	- 32.0	b	6	V	
12082	27276	186042		40.3	-37	40	6.2	.022	B7 _n	- 29	d	3	L	
12083	A 12815A	186408		40.5	+50	24	6.3	.219	dG3	- 25.6	b	5	WV	*
12084	A 12815B	186427		40.5	+50	24	6.4	.216	dG2	- 27.8	b	6	VW	*
12085	27286	186272		40.6	+17	51	7.9	.008	B4	- 14.7	b	8	L	IS -2 c
12086	27288	186922		40.7	+76	18	8.0	.202	dKO	- 8.7	b	3	W	
12087	27289	186185		40.7	-15	35	5.5	.234	F4	+ 12.8	b	6	LY	*
12088	27291	18635f		40.8	+29	13	6.4	.072	FO	- 25.2	b	4	S	
12089	27292	186377		40.8	+32	18	5.9	.014	A2	- 8	c	2	V	
12090	27° 3484	186378		40.9	+27	17	7.4	.010	KD	- 43	d	1	V	
12091	22° 3781	.....		40.9	+23	09	10.0	.....	O9	+ 4	d	2	Md	IS -8 e
12092	+0° 4290	186296		41.0	+00	33	8.0	.010	B5 _n	+ 4	c	8	L	
12093	27294	186532		41.0	+55	21	6.5	.043	gM5	- 28.1	b	7	DW	*
12094	27296	186379		41.0	+24	29	6.8	.283	dF9	- 8.3	b	4	W	
12095	22* 3782	.....		41.0	+23	10	9.0	.011	O9	+ 20	d	2	Md	
12096	NGC 6818	186282		41.1	-14	17	9.3	.....	Fe	- 13.8	a	10	L	Em PL neb.
12097	27297	180440		41.2	+30	33	6.1	.040	B9 _n	- 31	c	4	S	
12098	27299	18S412		41.3	+22	22	6.5	.034	B5	- 40.9	b	4	V	
12099	27305	186486		41.6	+25	39	5.4	.018	gG6	- 9.3	a	5	L	
12100	273G7	186456		41.8	+07	28	7.7	.022	BSne	- 10.0	b	8	I*	IS -9 c

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
12101	27308	186518	19	41.9	+27	01	6.6	0.015	gG4	- 11.7	b	9	W	*
12102	27310	186568		42.0	+34	02	6.0	.006	A0	- 11.4	b	3	V	
12103	27315	186619		42.1	+41	39	6.0	.014	gM0	- 40.9	b	3	W	
12104	RT Cyg	186686		42.2	+48	39	6.2v	.012	gM2e	-116	c	2	W	Em -125.5 *
12105	ψ Aql	186547		42.2	+13	11	6.1	.014	A0	- 4	d	3	W	SB (43)
12106	27322	186760		42.3	+57	54	6.3	.147	F8	- 21.6	b	4	0	
12107	27323	186548		42.3	+13	07	7.1	.016	M0	0	d	1	V	
12108	8° 5095	186497		42.3	-08	45	8.3	.023	dF0	- 3	c	5	L	SB (42)
12109	27328	186675		42.5	+37	14	5.0	.075	gG8	- 24.4	a	12	3	*
12110	A 12864AB	186587		42.6	+10	39	7.4	.012	B3	+ 1	c	7	VW	*
12111	A 12864C	.....		42.6	+10	39	9.5	.....	B4n	- 14	d	4	W	SB (43)
12112	27333	186815		42.6	+56	55	6.4	.020	G5	- 25.6	b	4	D	
12113	NO Aql	.....		42.7	+04	46	11.0v	.....	gM4e	- 99	c	4	W	SR 74.0
12114	27335	186702		42.8	+34	18	6.8	.0*12	M2	+ 8.5	b	4	D	
12115	SU Cyg	186668		42.8	+29	09	6.4v	.006	cF6v	- 35.8	a	30	L	Cep 3.85 *
12116	3° 4698	186610		42.8	-03	16	9.1	.015	B3n	+ 23.0	b	8	LW	IS +3 c *
12117	27337	186500		42.8	-32	02	5.6	.018	B9n	- 31	c	5	L	
12118	23° 3759	.....		43.1	+23	55	9.1	.004	BO	- 21	d	2	Md	IS +26 d
12119	19° 4137	186703		43.1	+19	44	8.9	.015	B3	- 9.8	b	8	L	IS -3 c
12120	27341	186776		43.1	+40	36	6.4	.074	gM4	- 97	c	6	DW	*
12121	V Aql	186689		43.2	+07	29	5.7	.048	A2	- 29.9	b	6	V	
12122	27344	186660		43.3	-03	00	6.5	.002	B3	- 17.4	b	4	V	
12123	27345	186746		43.3	+23	49	7.0	.038	B8	+ 1	c	7	W	SB (50) 2-sp *
12124	NGC 3119.1	186924		43.4	+50	24	.....	.....	Pd	- 6.2	a	12	LW	Em PL neb. *
12125	31° 3752	186777		43.4	+31	17	7.4	.026	B7	- 10.8	b	4	V	
12126	6 Cyg	186882		43.4	+45	00	3.0	.060	A1n	- 21	c	19	4	*
12127	27349	186648		43.4	-19	53	5.1	.158	gKO	+ 19.8	a	14	3	*
12128	A 12882A	186704		43.5	+04	08	7.0	.087	dGO	- 7.6	b	4	W	
12129	A 12882B	.....		43.5	+04	08	11.4	.....	dM2e	+ 5	c	5	W	
12130	UW Sgr	186665		43.6	-18	16	5.8v	" 0*33	N	- 13	c	2	W	
12131	25° 3952	.....		43.6	+25	14	10.0	.....	O8	+ 7	d	2	Md	
12132	27350	186858		43.7	+33	29	8.5	*.435	dK5	+ 6.0	b	4	W	
12133	27351	186219		43.7	-72	38	5.5	.016	A3	0	d	4	L	SB (39)
12134	DY Aql	.....		43*8	-11	04	10.2v	.....	cK4ev	- 15	c	7	W	RV 131.4 *
12135	5° 4285	.....		43.8	+05	52	8.5	.010	B5ne	- 27	d	6	D	IS +1 d 1
12136	27352	186901		43.8	+35	58	6.6	.012	AO	- 19	c	2	V	
12137	y Aql	186791		43.9	+10	29	2.8	.012	gK4	- 2.1	a	92	11	*
12138	29° 3732	.....		43.9	+30	08	9.7	.....	B2	+ 5	d	2	Md	IS +4 e 1
12139	27356	187053		43.9	+55	44	7.8	.005	gM4	- 5.9	b	3	W	
12140	27° 3507	186884		43.9	+28	12	8.8	.038	AO	- 11	c	3	W	
12141	v Tel	186543		43.9	-56	29	5.5	.166	A5n	- 16	c	3	L	
12142	27360	186927		44.0	+34	53	6.2	.017	gKO	- 19.3	b	9	VW	*
12143	20° 5705	186752		44.2	-20	00	8.5	.052	dF8	- 15.2	b	3	L	
12144	.....	186943		44.2	+28	08	10.0	.....	WN5	+ 10	c	28	Md	Em +115 *
12145	27366	187071		44.3	+40	22	7.1	*.008	K3	+ 31	d	1	V	
12146	27367	187340		44.4	+69	13	8.9	.026	AO	0.0	b	6	V	
12147	31° 3765	186980		44.4	+31	59	7.3	.024	O8	+ 4	c	7	V	IS -15 c
12148	ee 1165	.....		44.4	+31	54	9.8	.63	dM2	+ 3	c	2	W	
12149	18° 4236	186962		44.5	+18	42	7.6	.027	gK>	- 18	c	3	L	
12150	A J129ISA	187013		44.5	+38	37	5.0	.449	dF5	+ 4.7	a	15	4	*

Cat. No.	Star	ac No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	o	/		"	km/sec					
12151	A 12913B	.....	19	44.5	+33	37	8.4	.....	dK6	+ 0.7	b	4	W	
12152	27370	186998		44.6	+25	01	6.6	0.068	FOn	+ 13	c	7	DS	*
12153	18° 4237	186981		44.7	+18	45	8.1	.011	gF4	- 21	c	3	L	
12154	27372	187038		44.7	+32	46	6.2	.038	K2	- 46.4	b	5	D	
12155	TU Cyg	187159		44.8	+48	57	8.1v	.....	gM4e	- 80	c	2	W	Em -90 *
12156	44° 3242	.....		45.0	+44	56	9.6	.025	gM3	- 35.5	b	4	W	
12157	27386	187160		45.1	+44	13	7.0	.128	F8	+ 4.3	b	4	D	
12158	T Pav	186484		45.1	-71	54	8.8v	.025	gM4e	+ 68	c	8	L	Em +63 *
12159	27389	187075		45.1	+21	39	7.0	.013	M0	- 43	d	1	V	
12160	5 Sge	187076		45.2	+18	25	3.8	.010	gM2	+ 2.5	a	50	5	SB *
12161	58° 1981	187317		45.3	+58	15	7.9	.014	gF6	- 21	c	2	L	
12162	KK Aql	.....		45.6	+14	26	11.5v	.....	cK4ev	-250	b	7	W	SR 88.7 *
12163	27402	187193		45.7	+25	16	6.0	".081	gKO	- 17.5	b	7	SW	*
12164	27406	187237		46.0	+27	44	6.8	.224	dG5	- 35.7	b	9	DW	*
12165	27407	187372		46.0	+47	47	6.2	.046	gM1	+ 3	c	9	DW	SB *
12166	27° 3517	187255		46.0	+27	33	7.3	.032	B9	- 22	c	6	D	
12167	27408	186837		46.0	-61	11	6.4	.006	B5n	- 16	c	3	L	
12168	WX Aql	187205		46.1	+03	34	8.8v	.....	gM6	- 28	c	3	W	SR 107
12169	27413	187203		46.1	+10	34	6.4	.012	GOp	- 4.9	b	4	S	
12170	27417	187195		46.3	-11	00	6.2	.035	gK5	- 37.3	b	4	W	
12171	24° 3889	187299		46.3	+24	52	7.5	.016	K0	+ 1	d	1	V	
12172	π Aql	187259		46.3	+11	41	6.1	.014	dF2	+ 12.6	b	3	W	*
12173	S Vul	.....		46.3	+27	10	7.4v	.027	cK6v	0	b	18	W	SR 67.8 *
12174	27424	186957		46.5	-59	19	5.5	.015	A2	+ 3.8	b	6	L	
12175	19° 4162	187320		46.5	+19	32	7.6	.022	B2n	- 1.0	b	10	L	IS 0 c *
12176	18° 4253	187323		46.5	+18	15	8.0	.023	B5n	- 36	c	8	L	
12177	27430	187764		46.7	+68	19	6.4	.013	FOn	- 12	c	4	D	
12178	29° 3754	187399		46.7	+29	18	7.7	.012	B9e	- 18.9	b	20	We	IS -10.3 a *
12179	r o/c	187362		46.8	+19	01	5.0	.031	A2n	- 7	c	12	3	*
12180	r 27432	187458		46.9	+35	11	6.5	.101	dF2	- 27	c	6	W	
12181	27433	187459		46.9	+33	19	6.4	.005	BOn	- 10	d	17	V	IS -13.3 b *
12182	1° 3834	187350		47.0	-01	14	8.7	.006	BOe	+ 15.0	b	6	L	IS -12 c
12183	14° 4053	187401		47.0	+15	05	7.7	.011	cG5	- 15.7	b	3	L	
12184	27438	187462		47.1	+27	36	7.1	.231	GO	+ 3.2	b	7	DS	*
12185	DF Cyg	.....		47*3	+42	55	10.8v	.....	cK0v	- 5	c	10	W	RV 49.8 *
12186	27445	187748		47.4	+59	18	6.7	.118	GO	- 2.8	b	4	D	
12187	A 12986A	187613		47.4	+44	15	7.7	.004	B7	- 12	c	6	O	
12188	A 12986B	.....		47.4	+44	15	8.2	.....	B8	- 14	c	6	D	
12180	27453	187638		47.7	+38	35	6.2	.012	gG3	+ 11.1	b	3	W	
12190	27458	187567		47.9	+07	46	6.4	.000	B3ne	- 28	c	5	V	IS -5.2 b *
12191	274m	187640		47.0	+28	19	6.3	.037	B8n	- 4	d	5	S	SB
12192	27405	187532		48.0	-10	54	5.0	.048	dF2n	+ 6	c	3	W	
12193	<x Aql	187642		48.3	+08	44	0.9	.658	Aln	- 26.3	b	36	5	*
12194	€ Bra	188119		48.4	+70	08	4.0	.086	gG3	+ 3.1	a	16	LB	*
12195	Ct Cyg	.....		48.4	+35	33	10.8v	.....	Pee	+ 14	c	8	W	Em *
12190	NGC 6833	187836		48.4	+4B	50	.....	.....	Pd	-108.7	b	6	L	Em. PL. neb.
12197	44 ^s 3265	187810		48.4	+45	02	8.3	.018	gK0	- 20.6	b	3	W	
12108	27474	187474		48.5	-40	00	5.4	.032	AOp	0	c	0	L	SB
121f9	27477	187730		48.6	+20	05	6.7	.021	A2	- 26	c	3	S	
12200	o Aql	187691		48.6	+10	17	5.2	.275	dF8	- 0.1	a	22	3	*

Cat. No.	Star	&D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
12201	X Cyg	187796	h 19	m 48.6	+32 47	2.3v	0.057	gM7e	- 1.9	a	28	WPm	Em -15.8 a *
12202	TW Aql	.....		48.6	+13 52	10.6v	.....	cG4v	+ 20	c	5	W	SR? *
12203	16° 4029	187731		48.7	+16 44	7.0	.026	B8n	- 19	c	11	S	
12204	27486	187849		48.8	+38 36	5.4	•105	gM2	- 38.9	b	7	LW	#
12205	27487	187663		48.8	-12 45	7.5	.048	gG9	- 11	c	2	L	
12206	27491	187753		48.9	+09 30	6.3	.013	A0	+ 20.9	b	3	V	
12207	V380 Cyg	187879		48.9	+40 28	5.6v	.011	B2	- 3.9	b	30	V	IS -16.2 a *
12208	27493	187811		48.9	+22 29	4.9	.027	B5ne	- 26	c	14	3	*
12209	27498	187880		49.0	+37 42	6.3	.020	gM3	- 16.2	b	6	DW	*
12210	22° 3836	.....		49.0	+22 43	9.3	.....	cB1	+ 4	c	3	Md	IS +7 c
12211	X Aql	187757		49.0	+04 20	8.2v	.....	gM6e	+ 24	c	3	W	Em +10 *
12212	27503	187739		49.3	-19 10	6.0	.058	gG5	- 26	c	4	W	SB (19)
12213	27506	188056		49.4	+52 52	5.2	.070	gK4	- 19.8	b	13	3	*
12214	SV Vul	.....		49.5	+27 20	7.7v	.....	cG4v	- 2.5	b	11	W	Cep 45.1 *
12215	27510	187923		49.7	+11 30	6.2	.4*68	GO	- 16.7	b	4	S	
12216	27511	187981		49.7	+31 01	6.9	.024	gA8n	+ 7	c	11	3	SB *
12217	27513	188074		49.8	+47 15	6.2	.021	dFO n	- 18	c	7	DV	SB *
12218	27515	187961		49.9	+10 13	6.5	.016	B5n	- 12.6	b	4	V	
12219	27516	187982		49.9	+24 52	5.7	.015	F5+A2	- 2.9	b	11	3	*
12220	? Aql	187929		49.9	+00 53	3.7v	.011	cGOv	- 14.8	a	59	L	Cep 7.18 *
12221	V500 Aql	.....		50.1	+08 06	6.1v	.....	Q	- 75	e	1	W	Em *
12222	27523	188001		50.1	+18 33	6.3	*.009	07	+ 9	c	29	3	IS -5.8 b *
12223	50° 2902	188169		50.2	+50 32	8.0	.060	dF4	- 10	c	2	L	V
12224	27524	188058		50.2	+28 07	7.0	.066	K5	- 47	d	1	V	
12225	V505 Sgr	187949		50.3	-14 44	6.5v	.043	A2	- 2	b	16	Y	EA 1.18 *
12226	27528	188149		50.4	+36 18	6.3	.004	K3	- 20.8	b	4	D	
12227	27529	188209		50.5	+46 54	5.5	.009	O8	- 6.2	b	10	VW	IS -10.2 b *
12228	BS Cyg	.....		50.5	+53 34	11.0v	.....	Nep	- 10	d	1	W	Em P431
12229	V465 Cyg	.....		50.6	+36 25	8 v	.....	Q	.....	..	3	W	IS -20 c *
12230	27531	188252		50.6	+47 48	5.7	.014	B2	- 18.3	b	4	V	IS -10 c *
12231	27532	188041		50.7	-03 15	5.6	.018	A4p	- 18.8	b	3	W	*
12232	28° 3513	188170		50.8	+28 52	7.2	.018	B8	- 11	c	5	£	
12233	27537	188107		50.9	+04 16	6.3	.011	AO n	- 1	d	3	V	
12234	S Pav	187835		5L0	-59 20	8.gv	.059	gM7e	- 22.0	b	6	L	Em -26.5 b *
12235	50° 2900	188398		51.2	+50 54	8.2	.020	gF4	+ 34	d	1	L	
12236	27541	18B326		51.3	+38 38	8.0	.342	dG4	- 71.1	b	3	W	
12237	45° 2996	18S361		51.3	+45 24	9.6	.023	G5	- 15	d	1	L	
12238	27542	185336		51.3	-24 04	6.3	.437	dK5	- 7.1	b	4	W	
12239	27544	188260		51.3	+23 57	4.5	.042	A0	- 28.2	b	36	4	*
12240	27546	188154		51.4	-08 42	6.0	.018	gK5	- 49.5	b	3	W	
12241	NGC 8838	.....		51.5	+18 39	0.1	.....	gG5	- 80	c	4	L	
12242	16° 4053	188262		51.5	+16 39	7.6	".013	cF8	- 0.9	b	4	W	*
12243	27549	188439		51.5	+47 41	6.2	•018	B2n	- 65	c	9	¥	IS -12.1 b *
12244	27552	188268		51.7	+01 49	8.5	.283	dKO	+ 11.2	b	3	W	
12245	27553	188328		51.7	+15 10	7.3	.017	P8	- 6	c	3	S	
12246	27556	188M3		51.8	+26 28	6.8	.013	A3	- 6	c	e	S	
12247	Sgr	188114		51.8	-42 00	4.2	.055	bb	+ 36.2	a	13	LC	*
12248	Aql	1883J0		5L8	+08 20	43	.126	dm	- 41.8	a	9	3	*
12249	27560	18831i		51.9	+01 40	8.8	.274	dm	+ 8.8	b	S	W	
12250	A 18Q87A	188293		5L8	-08 22	5.8	.024	B5n	- 6	d	8	VW	m -14 e •

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
12251	A 13087B	188294	19	51.9	-08	22	6.5	0.030	B8n	- 5	d	8	VW	IS -16 c *
12252	27564	188461		51.9	+41	13	6.8	.015	B3	- 12.9	b	4	V	IS -15 c
12253	27565	188350		52.2	+00	08	5.6	.039	AOn	- 42	c	4	0	
12254	9° 4312	188384		52.2	+09	38	7.3	.007	K2	- 20	d	1	V	
12255	45° 3001	188537		52.2	+45	20	7.8	.007	gG9	- 18.3	b	3	W	
12256	27567	188385		52.2	+07	00	6.0	.028	AOn	- 16.0	b	8	VS	*
12257	27571	188665		52.3	+57	24	5.0	.013	B5	- 25	c	11	3	*
12258	27574	188485		52.4	+24	11	5.5	.020	Aln	- 8	c	14	4	*
12259	CV Cyg	.....		52.5	+37	54	10.6v	.....	.....	+ 80	e	1	W	EB 0.98
12260	C 2597	188427		52.6	+03	56	9.5	.378	dK3	+ 50	c	4	W	
12261	27579	188442		52.6	+03	52	8.7	.108	dG8	+ 0.8	b	3	W	
12262	27581	188793		52.7	+59	35	6.0	.073	A0	- 13	c	6	V	SB (41)
12263	24° 3924	188542		52.7	+24	45	7.0	.038	K0	- 37	d	1	V	
12264	ex) Sgr	188376		52.8	-26	26	4.8	.221	dG5	- 21.0	a	11	LC	*
12265	RR Sgr	188378		52.8	-29	20	5.5v	.048	gM5e	+ 85	c	2	W	Em +71 *
12266	0 Aql	188512		52.9	+06	17	3.9	.485	dG8	- 39.8	a	20	5	*
12267	41° 3534	188667		52.9	+41	21	7.3	.021	G7	- 2	d	1	V	
12268	27588	188162		52.9	-59	02	5.4	.027	A0	- 2.0	b	6	L	
12269	27589	188650		53.0	+36	52	5.8	.021	dF6	- 23.8	b	4	WS	*
12270	34° 3790	188668		53.1	+34	46	7.2	.041	K0	- 30	d	1	V	
12271	27591	188669		53.1	+30	33	7.1	.056	G8	- 70	d	1	V	
12272	27592	188651		53.1	+30	04	6.4	.017	B8n	- 12	c	11	DS	*
12273	41° 3535	188753		53.3	+41	44	7.4	.306	dK0	- 24	c	4	WV	*
12274	27600	188716		53.7	+14	55	7.1	.030	K5	- 45	d	1	V	
12275	S Sge	188727		53.7	+16	30	5.8v	.012	cG1v	- 9.9	a	216	LMi	Cep 8.38 *
12276	18° 5536	188618		53.8	-18	03	9.2	.010	B4	- 15	c	6	L	
12277	4> Aql	188728		53.9	+11	17	5.3	.029	A2	- 27.2	a	30	V	Orb. Harper
12278	27605	188603		53.9	-27	18	4.6	.017	gK3	- 16.2	a	24	CL	*
12279	27607	189063		53.9	+60	41	7.3	.005	gM1	- 22.4	b	6	WL	*
12280	27608	188875		53.9	+40	02	6.7	.016	gK5	- 17.5	b	3	W	
12281	27610	189084		54.0	+60	29	7.4	.015	gMO	- 6	c	3	L	
12282	40° 3948	188891		54.0	+40	16	7.2	.022	B3	- 24	d	7	V	SB
12283	27613	188892		54.1	+38	21	4.9	.005	B6	- 30.1	b	27	5	IS -15 c *
12284	32° 3634	188876		54.1	+32	56	7.2	.015	B8	- 17	c	9	DW	*
12285	27617	189231		54.3	+64	35	6.9	.012	gK1	+ 0.2	b	3	W	
12286	f Cyg	189037		54.3	+52	18	4.8	.051	AOn	- 11	c	17	4	*
12287	27620	189127		54.4	+58	07	6.2	.074	G8	- 16.5	b	4	D	
12288	27621	189013		54.4	+46	57	6.8	.007	A4	+ 8	c	6	D	SB
12289	7] Cyg	188947		54.4	+34	57	4.0	.04^	gKO	- 26.5	a	12	LB	*
12290	27624	188895		54.5	+23	45	7.1	.005	K5	- 20	d	1	V	
H291	CG 1174	188807		54.6	-12	42	9.1	.513	dM1	+ 3.1	b	3	W	
12292	27628	189344		54.7	+66	37	7.2	.039	gKD	+ 0.3	b	3	W	
12293	27630	188971		54.8	+20	52	6.5	.038	AO	+ 8	c	2	V	
12294	4° 4286	188914		54.8	+05	05	8.6	.014	dF8	- 11	c	4	W	
12295	€ Pav	188228		54.8	-73	03	4.1	.159	AO	+ 0.1	b	9	L	
12296	27632	189066		54.9	+36	07	6.0	.003	B3	- 23.0	b	5	V	IS -16 c We
12297	19° 4218	188972		54.9	+19	26	8.6	.008	B5n	- 7.9	b	9	L	IS -14 c
12298	27635	189276		55.0	+58	43	5.1	.024	gK5	+ 5.0	a	6	L	
12299	RR Aql	188915		55.0	-02	01	8.4Y	...*	gM6e	+ 11	b	3	W	Em +1.0 b *
12300	-0° 3883	188934		55.1	+00	06	9.8	.....	R4	+ 57	c	2"	W	

Cat. No.	Star	E.D. No.	1950		Magn.	P.M.	Spec.	VeL	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
			h	m	°	'	''	km/sec					
12301		27637 188899	19	55.1	-15	38				8	LY	*	
12302		27639 189086		55.2	+30	39	5.0	0.094	A0	c	6	D	
12303		27640 189067		55.2	+23	57	6.9	.007	B9	c	3	S	
12304	C	2605 189087		55.2	+29	41	7.1	.201	GO	b	3	W	
12305		27641 189296		55.2	+56	33	8.2	.266	dG7	b	4	V	
				55.2	+29	41	6.1	.023	A2	d	4	V	
12306	RU	Sgr 188813		55.3	-41	59	5.0	.094	A0	c	2	W	Em -76 *
12307	PX	Aql 55.3		55.3	-09	22	6.9	.007	B9	c	2	W	SR 150
12308		27644 189253		55.4	+50	46	7.1	.201	GO	b	6	WV	*
12309	34°	3806 189148		55.4	+34	53	8.2	.016	dF6	b	3	L	
12310	X	Vul 55.4		55.4	+26	25	9.5v	.002	cG8v	b	8	W	Cep 6.32 *
12311		27648 189090		55.5	+16	39	5.4	.015	B9	c	8	3	*
12312		27649 189178		55.5	+40	14	5.4	.003	B5n	b	43	V	IS -14 c *
12313	AX	Cyg 189256		55.6	+44	07	11.8v	.016	N	b	4	W	Irr
12314	28°	3546 189213		55.8	+28	44	7.0	.038	A3	c	6	D	
12315		27658 189005		55.9	-26	20	5.0	.045	gG5	b	16	LC	SB *
12316		27665 189377		56.3	+42	07	6.5	.006	A0	b	11	3	SB *
12317	RS	Aql 189191		56.4	-08	01	8.6v	.006	gM7e	c	3	W	Em -14 *
12318	8	Sgr 189103		56.5	-35	25	4.4	.031	B5	a	34	L	Orb. *
12319	34°	3815 226868		56.5	+35	04	9.4	.016	BO	c	3	Md	IS -24 c
12320	y	Sge 189319		56.5	+19	21	3.7	.066	gMO	a	14	4	*c
12321	29°	3829 189379		56.6	+29	48	7.4	.012	A4n	d	4	W	SB (89)
12322	A	13196A 189378		56.6	+33	08	7.5	.072	dF2	b	3	W	
12323	A	13196B 56.6		56.6	+33	08	8.2	.006	dF3	d	1	W	
12324		27676 189118		56.6	-34	50	5.3	.123	A3	a	7	L	
12325		27677 189395		56.6	+30	51	5.4	.027	B8n	c	11	3	*
12326		27679 189432		56.8	+37	58	6.3	.008	B7	b	4	V	IS -21 c
12327		27681 189322		56.8	+01	14	6.4	.056	G6	b	4	D	
12328		27686 189474		57.0	+35	22	6.8	.012	A1	b	7	S	
12329	fi	Pav 188887		57.0	-67	05	5.2	.082	K0	a	5	L	
12330		27688 189410		57.0	+22	58	5.7	.076	FO	c	7	V	SB (57)
12331		27689 189340		57.1	-10	05	5.9	.485	dF8	b	4	W	
12332	GN	Cyg 57.1		57.1	+29	19	10.4v	.006	dF8	b	10	W	Cep 7.82
12333		27693 189245		57.1	-33	50	5.7	.335	dF4	b	6	LW	S3 *
12334	V476	Cyg 57.2		57.2	+53	29	2.0v	.006	Q	c	6	Mi	IS -17.0 b *
12335	35°	3899 226951		57.4	+35	59	8.9	.006	BO	e	2	Md	IS -10 d
12336	NGC	6853 57.5		57.5	+22	35	.006	.006	P	c	6	LW	Em Neb. *
12337		27704 189124		57.5	-59	31	5.1	.034	M6	b	3	L	
12338		27707 189613		57.7	+31	41	6.7	.008	AOn	c	5	D	
12339	19°	4236 189550		57.7	+19	45	8.5	.018	B2	c	8	L	IS +1 c
12340		27709 189684		57.8	+45	38	5.8	.028	A2	b	6	V	
12341		27711 189577		57.8	+17	23	5.6	.014	gM4	b	3	W	
12342		27715 189533		57.8	+03	12	6.8	.009	G5	c	3	S	
12343		27710 189900		57.9	+63	24	6.0	.026	AO	b	4	V	
12344	14°	4125 189578		57.9	+14	46	8.1	.014	dF5	d	2	L	SB (68)
12345		27720 189775		57.9	+51	55	6.0	.011	B6n	b	12	WV	*c
12346	12°	4184 189598		58.0	+12	58	7.7	.006	A5	b	4	S	
12347		27721 189818		58.0	+57	40	7.1	.011	B3	b	4	V	is -e c
12348	34°	3828 227018		58.0	+35	10	9.0	.009	O6	d	2	Md	IS -12 d
12349		27722 189638		58.0	+25	49	7.5	.028	K2	d	1	V	
12350		27724 1896B7		58.1	+36	54	5.2	.004	B3e	c	17	3	IS -18 c •

Cat. No.	Star	&D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	s	/			km/sec					
12351	75° 718	190315	19	58.1	+75	35	7.3	....	gK4	- 27	c	2	L	
12352	27726	189671		58.2	+26	03	6.6	0.009	K0	- 21.9	b	4	D	
12353	27727	189689		58.2	+32	39	>7.2	.015	B8e	+ 4	c	11	SD	*
12354	27729	189558		58.2	-12	23	7.6	.475	dF6	- 14.7	b	3	W	
12355	27730	189690		58.3	+29	47	7.3	.010	AOn	- 36	d	5	W	SB (58)
12356	29° 3839	189706		58.3	+29	40	7.5	.011	B9n	+ 0.9	b	4	D	
12357	27735	189751		58.3	+36	17	7.0	.012	K1	- 15	d	1	V	
12358	7° 5141	189605		58.4	-07	31	10.8	....	R4	+ 48	c	2	W	
12359	27737	189561		58.4	-22	53	6.1	.017	dG7	+ 8.2	b	3	W	
12360	12° 4189	189692		58.5	+13	14	7.1	.028	B9n	- 4	c	7	W	S
12361	27739	189695		58.6	+08	25	6.1	.009	gK5	- 39.5	b	7	DW	*
12362	27740	189821		58.6	+42	05	7.3	.013	K0	+ 10	d	1	V	
12363	29° 3842	.....		58.6	+30	14	10.4	....	B1	+ 14	d	2	Md	IS -12 d
12364	29° 3844	189779		58.6	+29	45	8.2	.016	B2	- 5	c	3	W	IS -18.1 b
12365	9° 4369	189711		58.7	+09	23	8.7	.029	N	-168	b	2	W	IS -10 c
12366	+0° 4385	189678		58.7	+01	12	9.1	.022	F8	- 3	d	1	L	
12367	10 4139	189708		58.7	+10	26	9.4	.028	A2	- 46	e	1	L	
12368	27747	189756		58.8	+14	23	7.0	.007	A2	+ 4.7	b	6	S	
12369	27748	190252		58.8	+70	14	6.5	.075	G3	- 10.3	b	4	D	
12370	27749	189782		58.8	+14	40	7.4	.003	K1	- 12	d	1	V	
12371	KL Aql	.....		58.9	+15	40	10.7v	....	.....	- 2.5	b	7	W	Cep 6.11
12372	27752	189847		59.0	+31	05	6.7	.009	B8n	- 16	c	8	D	
12373	27753	189849		59.0	4 27	37	4.7	.054	A5	- 20.9	b	15	4	*
12374	A 13256A	189783		59.1	+10	37	7.6	.093	dF4	- 42.5	a	20	W	Orb. Sanford
12375	A 13256B	.....		59.1	+10	37	7.8	....	dF6	- 39	c	2	W	
12376	26° 3763	189884		59.3	+27	02	7.4	.014	K2	- 21	d	1	V	
12377	21° 4017	.....		59.3	+22	07	10.4	.010	B0	+ 30	d	2	Md	IS -15 d
12378	27760	189942		59.4	+36	58	6.4	.063	K0	- 16.0	b	4	D	
12379	27763	189763		59.6	-27	51	4.6	.038	gM4	+ 9.9	a	10	3	*
12380	42° 3562	190025		59.6	+42	54	7.3	.007	B3	- 14	d	6	V	SB
12381	27764	189944		59.6	+24	40	5.8	.004	B8	- 15	c	4	S	
12382	27766	189921		59.8	+10	36	6.8	.012	B7	- 3.0	b	6	V	
12383	MSB 69	.....		59.8	+39	50	9.5	....	N	+ 8	e	3	W	
12384	.....	227173		59.9	+35	24	11.2	....	B4n	- 28	d	1	Md	IS -49 e
12385	27768	190004		59.9	+24	48	5.3	.107	dFO n	- 33	c	13	3	*
12386	27769	100047		59.9	+30	59	6.6	.014	B7	- 11	c	6	D	
12387	27770	190147		59.9	+49	58	5.3	.014	gG9	+ 0.9	a	14	3	*
12388	Z Cyg	190163	20	00.0	+49	54	7.0v	....	gM5e	-166	b	4	W	Em -173 •
12389	27774	190140		00.1	+43	59	7.3	.018	gG9	- 61	c	2	L	
12300	BF Sge	190048		00.2	+20	57	10.3v	.011	N	- 14	b	3	W	Irr
12391	45° 3038	190165		00.2	+45	19	7.5	.037	A2	- 16.9	b	4	D	
12392	27776	190066		00.2	+22	01	6.6	.001	cBO	+ 15.8	b	7	VW	IS -6.5 a *
12393	27779	189831		00.2	-38	05	4.8	409	MO	- 38.3	b	4	L	
12394	27782	190007		00.3	+03	11	7.8	.147	dK4	- 31.3	b	3	W	
12395	27783	190067		00.3	+15	28	7.2	.612	mi	+ 11.5	b	S	W	
12396	35° 3924	227245		00.5	+35	32	10.2	.03	O8	- 13	c	3	Md	IS -4 c
12397	5° 4393	100073		00.6	+05	36	7.9	.006	A0ep	- 0.7	a	8	We	
12398	27793	180567		00.6	-67	27	6.0	1.082	cG5	- 14	c	2	L	
12399	MSB 37	.....		00.6	+30	31	9.4	....	N	+ 12	e	3	W	
12400	27799	100167		00.7	+28	22	8.8	0.012	B9	- 18	c	11	SB	SB *

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			B.A.		Decl.									
			h	m	°	'								
12401	27801	190009	20	00.8	-22	44	6.5	0.048	dF6	+ 6	c	4	W	
12402	27803	190227		00.8	+31	49	6.5	.008	K0	- 19.8	b	4	D	
12403	27806	190544		01.0	+64	41	5.4	.013	gM1	- 34.4	a	6	LW	#
12404	27808	190211		01.0	+18	22	6.1	.035	K2	+ 9.0	b	5	S	
12405	27809	190960		01.0	+76	21	6.4	.063	gM3	- 68.5	b	8	VW	*
12406	28 ⁵ 3598	.....		01.1	+28	33	<u>10.0</u>	.....	B0	- 13	e	2	Md	IS +1 d
12407	GL Cyg	.....		01.1	+39	01	<u>14.1v</u>	.....	.....	- 59	c	4	W	Cep 3.37
12408	27811	190056		01.2	-32	12	5.0	.039	K2	- 11.8	b	4	L	
12409	27812	190229		01.2	+15	53	5.5	.008	A0	- 21.7	b	37	4	*
12410	54 ^{CS} 2277	190464		01.2	+54	31	8.3	.020	gF2	+ 6	c	2	L	
12411	29 ^{e*} 3871	.....		01.4	+29	49	8.5	.022	gK4	- 9.2	b	3	W	*
12412	27819	190323		01.5	+14	50	6.9	.006	F8p	+ 25	c	8	DS	*
12413	27820	190360		01.6	+29	46	5.7	.859	dG8	- 46.2	b	4	WV	*
12414	A 13312A	190429		01.6	+35	53	7.2	.01-6	O5n	- 16	c	13	VW	IS -10.0 b *
12415	A 13312B	.....		01.6	+35	53	7.8	.....	O9n	- 7	c	19	VW	IS -10.8 b *
12416	r Aql	190327		01.7	+07	08	5.6	.020	gKO	- 28.0	b	3	W	
12417	20 ^o 4406	190361		01.7	+20	54	7.4	.028	K0	- 21	c	2	V	
12418	27825	190403		01.7	+29	51	6.8	.019	gG5	- 12.1	b	3	W	
12419	27826	190338		01.7	+16	59	6.8	.017	A2	- 28	c	4	W	
12420	27828	190404		01.8	+23	13	7.2	1.369	dK3	- 2.6	b	4	WV	*
12421	27829	190713		01.8	+64	30	6.6	0.044	gG7	+ 8.8	b	3	W	
12422	29 ^o 3875	.....		01.8	+29	55	8.5	.011	dA8n	- 13	c	4	W	*
12423	27832	190299		01.8	-00	51	5.8	.118	gK4	+ 0.2	b	6	WV	*
12424	27835	190406		01.9	+16	56	5.9	.578	dG1	+ 4.2	b	5	WV	*
12425	A 13323A	.....		01.9	+16	51	8.7	.016	gF2	+ 6.4	b	3	W	
12426	A 13323B	.....		01.9	+16	51	9.4	.....	dA8n	- 4.3	b	3	W	
12427	36 ^o 3841	190467		01.9	+36	16	8.0	.012	c33e	+ 29	c	6	W	IS -9.0 b *
12428	27838	190405		02.0	+17	36	6.8	.012	F5	* 17;6	b	8	DS	*
12429	35 ^o 3932	227415		02.0	+35	24	<u>9.9</u>	.004	B0	- 25	e	2	Md	IS -22 d
12430	27840	190283		02.0	-21	27	7.1	.056	dG4	- 20	c	3	W	
12431	33 ^o 3712	227424		02.1	+33	25	<u>10.7</u>	.....	B4n	- 44	e	2	Md	IS +30 d
12432	27848	190537		02.2	+31	06	6.9	.056	A3	- 29.1	b	4	D	
12433	27849	190513		02.3	+30	24	8.2	.011	gF0	- 18	c	4	W	
12434	XX Cyg	.....		02.3	+58	49	<u>11.4v</u>	.015	A	-135	d	1	W	RR 0.13
12435	V34H Cw	.....		02.3	+38	58	<u>14.1v</u>	.....	.....	- 93	c	3	W	Cep 11.9
12436	36 ^o 3848	190570		02.3	+37	02	8.1	.01	A0	- 6.7	b	6	W	
12437	31 ^{o*} mix	.....		02.3	+32	00	<u>8.7</u>	.030	B0	+ 34	d	2	Md	IS -7 d
12438	WW C ₀ TM	.....		02.3	+41	27	<u>9.9v</u>	.....	B8+G	+ 8	b	37	Md	EA 3.32 *
12439	27850	100390		02.3	-11	45	<u>0.5</u>	*.014	gF4	- 12.1	b	3	W	
12440	27851	190306		02.3	-33	09	6.6	.024	B8	- 18.3	b	3	L	
12441	35 ^o 3936	227460		02.5	+36	07	10.0	.004	B3	- 10	c	3	W	IS -11.4 b
12442	CD Cve	.....		02.5	+33	58	<u>9.2v</u>	.022	cG4v	- 11.0	b	12	W	Cep *17.1 *
12443	P Bra	18G940		02.6	+67	44	4J7	.050	gK2	- 9.2	a	8	LB	*
12444	27857	190498		02.6	+01	59	6.7	.110	F5	- 12	c	3	S	
12445	27858	190003		02.6	+32	05	5*7	.021	cBOe	+ 21.1	b	26	3	IS -13.0 a *
12440	C 2625	1&0605		02.8	+25	55	7.8	.389	ciG5	+ 22.8	b	3	W	
12447	27864	100590		02.8	+23	04	0.4	.004	A3	- 22	c	7	SV	*
12448	X Sge	190006		02.9	+20	80	8.7T	.035	N	+ 26	d	1	W	SR 196
12449	54* 2281	190730		02J	+54	21	8.0	.154	ciM	- 9.0	b	3	W	
12450	27866	190770		02.9	+51	09	7.2	.038	K1	- 27	d	1	V	

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
12451	V Sge	190608	20	02.9	+19	51	5.3	0.083	sgK1	- 40.2	a	13	3	*
12452	27869	190781		03.0	+48	05	6.0	.006	A0	- 13.9	b	5	V	
12453	27872	190658		03.1	+15	21	6.6	.032	gM2	-111.6	b	6	DW	SB (17) *
12454	NGC 6864	190526		03.2	-22	04	<u>9.5</u>	« . . .	dGO	-222	c	5	L	Glob. cl.
12455	27876	190771		03.3	+38	20	6.6	.276	GO	- 24.2	b	4	D	
12456	£ Tel	190421		03.6	-53	02	4.9	.014	M2	+ 36.0	b	8	LC	SB *
12457	35° 3948	227586		03.7	+35	29	9.4	.001	B1	- 14	e	1	W	IS -14 c 2
12458	27885	190964		03.8	+51	42	6.3	.041	M0	- 55.7	b	4	D	
12459	35° 3949	190864		03.8	+35	27	8.2	.016	O6	0	c	12	VW	IS -13.4 b *
12460*	6 Pav	190248		03.8	-66	19	3.6	1.648	dG4	- 21.8	a	18	LC	*
12461	36° 3864	227607		03.9	+36	22	<u>10.0</u>	0.003	B3	+ 5	d	2	Md	IS -8 d
12462	35° 3950	227611		03.9	+35	45	<u>9.5</u>	.06	Bne	- 24	e	1	Md	IS -1 e
12463	CC 1191	.....		04.0	+54	19	<u>12.2</u>	1.62	dM3e	0	d	7	W	SB (168)
12464	35° 3952	190919		04.0	+35	32	7.3	0.010	cB1	- 16	c	11	3	IS -13.3 b *
12465	27892	190918		04.1	+35	39	7.0	.012	O9	- 21.8	b	74	W	IS -13.9 a *
12466	27894	191174		04.1	+63	45	6.2	.044	A3	- 18.6	b	4	WV	*
12467	35° 3955	.....		04.1	+35	40	7.8	.01	B1	- 6.2	b	15	3	IS -13.9 b *
12468	35° 3956	.....		04.1	+35	37	<u>8.5</u>	.02	BO	- 19	d	6	WL	IS -11.6 b *
12469	35° 3957	227634		04.2	+35	38	7.6	.02	B1	- 14	c	5	LW	IS -14.7 b *
12470	27899	191096		04.2	+56	12	6.2	.078	gF4	- 11.9	b	7	DW	*
12471	12° 4226	190887		04.4	+12	48	7.2	.036	F2n	- 4	c	4	D	
12472	S Cyg	.....		04.4	+57	50	<u>8.8v</u>	.016	Se	- 17	b	3	W	Em -31 *
12473	27904	191026		04.5	+35	50	5.5	.495	dG6	- 33.6	b	6	VW	*
12474	35° 3962	191046		04.6	+36	06	7.2	.108	KO	-100	d	1	V	
12475	27908	191045		04.6	+38	57	7.0	.035	K4	+ 8	d	1	V	
12476	27009	191372		04.7	+67	53	6.6	.021	M1	- 42.1	b	4	D	
12477	V453 Cyg	227696		04.7	+35	36	<u>8.3v</u>	.023	B2+B2	- 15.0	a	25	V	IS -12.5 b *
12478	27910	100993		04.7	+23	28	5.1	.010	B3	- 5.4	b	18	4	*
12479	SY Aql	190970		04.7	+12	48	8.5v	.....	gM5e	- 68	c	4	W	Em -83 *
12480	27911	191277		04.8	+61	51	5.6	.140	gC3	+ 5.5	b	3	W	
12481	34° 3874	227704		04.8	+34	46	<u>9.2</u>	.03	BO	- 24	d	2	Md	IS -28 d
12482	27912	191195		04.9	+53	01	3.7	.335	dF4	- 40.7	b	5	WV	*
12483	27916	191048		05.1	+15	56	7.5	.025	B9	- 22	c	6	D	
12484	37° 3768	227728		05.1	+37	53	9.7	.....	B2	- 19	c	3	Md	IS -30 c
12485	27924	191084		05.2	+16	30	7.1	.029	G5	- 17	d	1	V	
12486	27926	101633		05.3	+72	51	8.1	.220	dGO	- 35.7	b	3	W	
12487	37° 3772	101176		05.3	+37	35	8.2	.02	AO	- 1.3	b	6	W	
12488	SW Cyg	191240		05.4	+46	09	9.3v	.....	A2e+K0	- 1	b	37	Md	EA 4.57 *
12489	27029	191104		05.4	+00	15	6.4	.046	dF2	- 27	c	7	SV	SB *
12400	27980	191067		05.4	-00	40	6.0	.131	gK1	- 4.2	b	7	SW	*
*12401	35° mm	227767		05.5	+35	27	9.6	.002	B2	- 13	e	1	W	IS -10 d
12492	35° 3970	191201		05.5	+35	35	7.1	.016	BO	- 5.4	a	36	V	IS -13.3 a *
1249S	36° 3883	101226		05.6	+56	26	7.4	.009	CM2	- 24.2	b	10	WV	SB (22) *
12494	CC 1193	191069		05.7	-15	52	<u>8.2</u>	.440	dG4	- 0.5	b	3	W	
12495	54* 2286	101373		05.7	+54	31	8.1	.036	dF3	- 9	c	2	L	
12496	27937	101329		05.8	+50	05	6.5	.026	A2r.	+ 3	c	4	D	
12497	27939	191110		05.8	-10	13	6.2	.041	A0	- 16	c	7	WV	SB •
12498	27940	191178		05.8	+16	31	6.7	.004	gM3	+ 11.0	b	7	DW	*
12499	19* 4293	.....		05.9	+19	21	<u>10.5</u>	.....	B8	- 20	e	2	Md	
12500	35° 3981	227836		06.2	+35	59	<u>10.0</u>	.002	B2e	- 16	a	4	WMC	B -11 d **

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'		''	km/sec					
12501	27951	191263	20	06.3	+10	35	6.2	0.011	B5	- 38.2	b	4	V	
12502	27952	191394		06.3	+42	14	7.0	.018	G8	- 20	d	1	V	
12503	27955	191295		06.5	+12	05	7.0	.029	B9	+ 10	d	5	S	
12504	35° 3983	227877		06.5	+35	19	9.5	.03	B3n	-100	c	2	W	IS -15 c
12505	27960	191250		06.6	-20	44	7.3	.080	dF2	- 6.8	b	3	W	
12506	12° 4236	191337		06.7	+12	52	7.9	.025	B5n	- 10	c	8	L	IS -18 c
12507	18° 4402	191446		07.0	+18	56	7.0	.021	K0	- 31	d	1	V	
12508	QY Aql	.....		07.2	+15	10	<u>11.4v</u>	.....	FO	+ 34	b	23	Md	EA 7.23 *
12509	27970	191499		07.3	+16	39	7.7	.165	dG9	- 35.1	b	3	W	
12510	35° 3993	227960		07.3	+35	54	10.0	.001	B0	- 8	c	4	WMd	IS -14 c *
12511	A 13429A	191566		07.3	+35	20	7.7	.005	B2	- 37	d	9	VW	IS -13 c *
12512	A 13429B	191567		07.3	+35	20	8.7	.....	B2	- 29.0	b	6	V	IS -14.4 b *
12513	58° 2059	191737		07.4	+58	39	7.8	.005	gG3	- 5	c	2	L	
12514	27980	191610		07.6	+36	41	4.8	.013	B3ne	- 13.6	a	198	Mi	IS -20 c *
12515	37° 3796	227991		07.6	+37	40	<u>10.5</u>	.....	B8	- 43	e	1	Md	IS -19 e
12516	35° 3995	191612		07.6	+35	35	8.2	.04	07	- 21	d	3	W	IS -11.2 b
12517	27982	191571		07.7	+20	45	7.3	.009	gK2	- 4.9	a	34	W	
12518	27983	191533		07.7	+08	18	6.6	.175	F7	+17	c	3	S	
12519	A 13442B	.....		07.7	+20	46	8.4	.113	dG5	- 43.0	b	3	W	
12520	A 13442A	191570		07.7	+20	46	6.3	.111	dF1	- 40.0	b	6	W	
12521	27992	191408		07.9	-36	14	5.3	1.633	dK4	-131.2	a	9	3	*
12522	W Vul	191652		08.0	+26	08	8.3v	0.019	gM6	+ 50	c	2	W	P234
12523	SV Cyg	191738		08.0	+47	43	7.5v	.039	R3	- 8	c	2	W	Irr?
12524	AY Cyg	.....		08.0	+41	21	<u>11.7v</u>	.057	N	+ 21	d	1	W	Irr
12525	27° 3636	191671		08.1	+28	07	7.6	.023	B4n	- 1	c	6	D	
12526	36° 3916	191720		08.2	+36	50	8.0	.02	AOn	- 14.8	b	6	W	
12527	36° 3914	228053		08.2	+36	33	<u>9.5</u>	.04	cB1	+ 7	c	3	Md	IS -11 c
12528	NGC 6879	.....		08.2	+16	47	.....	.....	P	+ 7.1	b	6	L	Em PL neb.
12529	35° 4001	191765		08.4	+36	02	7.8	.01	OW6	.....	..	11	WV	IS -13.9 b *
12530	27998	191639		08.5	-09	00	6.4	.003	B2	- 7	c	4	V	
12531	27999	191747		08.5	+26	45	5.5	.020	A1np	- 12.0	b	67	V	Orb. Harper
12532	28000	191746		08.5	+28	17	6.9	.014	B3	- 4.4	b	4	V	
12533	28° 3646	191745		08.5	+29	13	7.4	.016	B7	- 3.1	b	5	D	
12534	RY Cyg	191783		08.5	+35	48	8.5v	.065	N	+ 13	d	1	W	Irr?
12535	28005	191854		08.6	+43	48	7.4	.080	dG4	- 40.3	b	3	W	
12536	28008	191707		08.7	+06	12	7.8	.013	gM4	+ 15	c	4	W	
12537	a Aql	191692		08.7	-00	58	3.4	.034	B9	- 27.3	a	150	4	Orbits *
12538	28011	191709		08.7	-00	17	7.1	.033	gF3	- 19.1	b	3	W	
12539	NGC 6884	191916		08.8	+46	19	.....	.....	Pd	- 35.6	b	4	L	Em PL neb.
12540	28012	191785		08.8	+16	02	7.3	.579	dK2	- 50.8	b	3	W	
12541	28013	191814		08.9	+20	59	6.3	.035	G5	- 7.0	b	4	D	
12542	28014	191855		08.9	+30	38	6.7	.034	B0	- 11	c	11	SD	*
12543	NGC 6881	.....		09.1	+37	16	.....	.....	P	- 15	c	4	L	Em PL neb.
12544	35° 4006	191917		09.1	+35	48	7.8	.024	B1	+ 4	d	3	W	IS -10 c 2
12545	23° 3915	.....		09.1	+23	36	<u>9.7</u>	.....	B5n	+ 26	e	2	Md	IS -6 e 1
12546	28024	191377		09.2	+21	44	6.1	.008	B0	- 18	c	9	V	IS -7.2 b *
12547	31° 3980	191918		09.2	+32	09	7.1	.015	A0	- 18	c	7	D	
12548	28026	191753		09.2	-12	33	6.4	.019	gG9	+ 0.9	b	3	W	
12549	18° 4420	181878		09.2	+18	20	8.1	.084	sgF7	- 23	c	2	L	
12550	S Aql	.....		09.3	+15	28	<u>8.4v</u>	.020	gM3e	-113	c	3	W	Em -120 *

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'		"	km/sec					
12551	14° 4215	191879	20	09.3	+14	30	7.5	0.042	AIn	+ 13	c	6	D	
12552	A13486AB	.....		09.4	+35	40	9.3	.012	B3	- 10	c	3	W	IS 0 c
12553	A 13486D	.....		09.4	+35	40	9.2	...	B3	- 3	c	3	W	IS -6 c 2
12554	37° 3812	192020		09.5	+38	15	7.8	.114	dG8	- 6	c	2	L	
12555	15° 4082	.....		09.6	+15	55	8.5	.005	cFO	+ 13	c	3	W	
12556	36° 3927	228199		09.6	+36	21	<u>9.3</u>	.02	B0	+ 2	c	3	Md	IS -20 c
12557	Cap	191862		09.6	-12	46	5.9	.272	dF6	+ 22.6	b	3	W	
12558	28037	192004		09.7	+26	40	5.8	.010	gK4	- 22.7	b	3	W	
12559	28040	192022		09.8	+26	45	7.1	.028	B8	- 10.7	b	5	S	
12560	14° 4219	191980		09.8	+15	12	8.0	.018	B5n	- 33	c	8	L	IS +3 c
12561	28042	192044		09.9	+26	20	5.9	.011	B8ne	- 22	c	8	SW	*
12562	73° 900	192635		10.0	+74	17	8.1	.....	sgF4	- 35.3	b	3	L	
12563	A 13506B	.....		10.0	+00	43	7.2	.010	AO	+ 21	c	5	V	
12564	A 13506A	191984		10.0	+00	43	6.8	.014	AO	- 19	d	5	V	
12565	35° 4013	192103		10.1	+36	02	7.9	.01	OW9	.....	..	8	WV	IS -17.6 b *
12566	10° 4206	192048		10.1	+10	31	9.0	.007	KO	- 5	d	1	L	
12567	37° 3821	192163		10.3	+38	12	7.4	.009	OW6	.....	..	14	WV	IS -17.2 b *
12568	RU Aql	192081		10.4	+12	50	7.9v	.....	gM5e	+ 20	c	2	W	Em +12 *
12569	MW Cyg	.....		10.4	+32	43	<u>10.3v</u>	.....	cGOv	- 13.0	b	8	W	Cep 5.95 *
12570	14° 4223	192126		10.5	+15	11	8.5	.018	gK0	- 3.6	b	3	W	
12571	37° 3823	228279		10.5	+37	26	<u>10.9</u>	.....	B4n	+ 10	e	1	Md	IS -12 e
12572	NGC 6886	.....		10.5	+19	50	.....	.....	P	- 36.4	b	6	L	Em PL neb.
12573	28064	192145		10.6	+15	57	7.6	.044	dF4	+ 5.2	b	3	W	
12574	CC 1197	192031		10.6	-15	35	8.6	.438	dG8	+ 22.6	b	3	W	
12575	K Cep	192907		10.6	+77	34	4.4	.028	B9	- 22.7	a	11	YL	*
12576	28068	192107		10.6	-01	10	5.6	.033	gK5	- 28.2	b	5	W	
12577	19° 4322	192167		10.7	+19	24	7.5	.021	K5	+ 12	d	1	V	
12578	28070	192575		10.7	+68	07	6.8	.013	B2	- 37.5	b	7	VW	IS -23.6 b *
12579	28071	192455		10.8	+61	56	5.7	.147	dF5	- 15.4	b	14	3	*
12580	39° 4082	192281		10.8	+40	07	7.5	.004	O5n	- 60	c	5	V	IS -12 c W2
12581	34° 3915	192260		10.8	+35	02	7.6	.033	sgK0	- 26	c	2	L	
12582	44° 3383	192360		11.0	+45	16	9.2	.....	A0	- 34	e	1	L	
12583	28077	192439		11.1	+51	19	6.4	.021	gK1	+ 13.0	b	3	W	
12584	36° 3937	192382		11.4	+36	35	8.7	.01	A3	+ 15	d	6	W	SB (132)
12585	28084	192342		11.5	+24	05	6.5	.054	AO	- 37	c	6	SV	.
12586	28086	192422		11.6	+38	37	7.1	.020	BO	- 1.7	b	4	V	IS -4.0 b
12587	W Cap	.....		11.6	-22	08	10.2v	.027	gM5e	+ 15	d	1	W	Em +5 *
12588	RS Cyg	192443		11.6	+38	35	6.7v	.004	Ne	- 50	b	5	WL	Em -62 *
12589	A 13545A	192494		11.6	+49	02	7.8	.022	AO	- 23	c	4	W	
12590	A 13545B	.....		11.6	+49	02	10.2	.....	sgG8	- 27.9	b	4	W	
12591	28088	192445		11.7	+36	11	7.1	.019	B2ne	+ 4	d	5	V	IS -7.1 b
12592	28089	192343		11.7	+06	26	8.0	.145	dG4	- 2.5	b	5	L	
12593	28090	192344		11.7	+06	26	7.8	.148	sgG4	- 1.2	b	5	L	
12594	28091	192514		11.7	+46	40	5.0	.008	A0n	- 21	c	3	S	*
12595	R Sge	192388		11.8	+16	34	<u>9.0v</u>	.007	cG6v	+ 8.3	a	28	W	RV 70.8 .
12596	29° S944	.....		11.8	+29	33	<u>KM</u>	.....	B5	- 10	d	2	Md	
12597	P Aql	192425		12.0	+15	03	5.0	.075	A2n	- 23.0	b	15	4	*
12598	28098	192535		12.0	+43	14	6.2	.016	K5	- 23.0	b	4	D	
12599	o Cyg	192577		12.1	+46	35	4.0	.000	cK1	- 0.9	a	75	L	*
12600	16 ^c 4200	.....		12.1	+16	30	9.8	.035	gG8	- 29	c	4	W	

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			ft.A.	Decl.										
12601	RX Cap	.....	h	m				km/sec						
			20	12.2	-13	06	<u>1L6v</u>	.....	cG2v	-135	c	5	W	RV 68.0 *
12602	28104	192310		12.2	-27	11	5.7	1.254	dK5	- 55	c	5	WL	SB *
12603	66° 1276	192800		12.2	+66	19	7.9	.....	gKO	- 50	c	4	W	SB (20)
12604	28105	192518		12.2	+28	33	5.2	0.024	A3n	+ 5	c	12	3	*
12605	37° 3837	228461		12.2	+38	05	<u>9.5</u>	.001	B1	+ 6	d	2	Md	IS -26 d
12606	28106	192538		12.2	+36	27	6.4	.019	A2	- 20	c	3	V	
12607	28108	192696		12.2	+56	25	4.3	.102	A3	- 26	c	5	YV	SB *
12608	28109	192539		12.3	+31	51	7.4	.012	B2	- 23	c	5	V	IS -4 c
12609	28110	192517		12.3	+30	01	6.9	.012	B3	- 10.8	b	4	V	
12610	A 13560A	192679		12.4	+52	58	7.2	.182	dF5	- 33.0	b	4	w	
12611	A 13560B	.....		12.4	+52	58	9.3	.....	dK2	- 34.9	b	3	w	
12612	28117	193202		12.4	+77	05	9.3	.518	dM0	- 2	c	3	w	
12613	R Del	192502		12.5	+08	56	7.1v	.034	gM5e	- 46	c	2	w	Em -55 *
12614	Z Aql	.....		12.5	-06	18	8.5v	.023	gM3e	- 6	b	3	w	Em -10 *
12615	28120	192781		12.5	+60	29	6.2	.071	gK5	- 0.5	b	3	w	
12616	28122	192561		12.6	+21	49	7.2	.045	K5	- 23	d	1	V	
12617	28124	192640		12.7	+36	39	5.0	.093	A2n	- 17.3	b	15	4	*
12618	36° 3956	192641		12.7	+36	30	7.9	.010	OW9	.....	..	5	VW	IS -15 c *
12619	36° 3958	192639		12.7	+37	12	7.0	.014	O7	- 2	c	5	V	IS -14 c *
12620	24° 4060	192608		12.7	+25	10	9.1	.006	A0	- 1	e	1	L	
12621	V386 Cyg	.....		12.8	+41	30	<u>10.7v</u>	.....	cF8v	- 16	c	4	W	Cep 5.26 *
12622	NGC 6891	192563		12.8	+12	35	.....	.....	Pd	+ 42.1	b	9	LW	£m PL neb. *
12623	28133	192684		12.9	+32	43	6.7	.028	AO	- 24	c	10	DS	SB *
12624	9° 4461	192609		13.0	+10	00	7.2	.113	F6	- 37	c	3	S	
12625	28140	192685		13.1	+25	26	4.8	.007	B3n	- 2	c	9	3	IS -14 c *
12626	14° 4240	192686		13.3	+15	17	8.5	.017	AOp	- 13.1	b	4	W	
12627	VW Cyg	.....		13.3	+34	22	9.7v	.....	A3+G5	- 30	b	34	Md	EA 8.43 *
12628	28144	192713		13.3	+23	21	5.4	*.017	cG4	- 22.8	a	30	V	Orb. Harper
12629	14° 4242	192715		13.4	+15	10	6.9	.061	A8n	- 32.4	b	5	D	
12630	28145	192787		13o5	+33	35	5.8	.117	gG6	- 9.6	b	7	SW	
12631	SX Cyg	192788		13.6	+30	55	<i>B.Ov</i>	.....	gM7e	- 8	c	2	W	Em -22 •
12632	28147	193030		13.6	+64	37	7.2	*.055	sgG5	- 67.2	b	6	V	
12633	3G° 3967	192804		13.7	+31	05	7.7	.105	dF8	- 25	c	2	L	
12634	28152	192806		13.7	+27	40	4.7	.042	gK2	+ 2.8	a	8	LB	*
12635	28155	192867		13.8	+43	59	7.4	.023	gM1	- 9	d	3	LV	SB *
12636	28156	193265		13.8	+72	45	7.1	.031	FOn	- 2.3	b	5	D	
12637	41° 3678	192869		13.8	+42	12	7.9	.015	sgF6	- 28	c	2	L	
12638	28160	192909		13.9	+47	34	4.2	.006	c&5	- 14.4	a	117	O	Orb. Cannon*
12639	15° 5606	192700		13.9	-15	20	7.8	*.025	gK2	- 21.3	b	3	W	
12640	A 13611AB	192911		14.0	+43	30	8.1	.018	dFO	- 8.6	b	3	w	
12641	A 1S611C	.....		14.0	+43	30	10.0	.....	dF5	- 4.2	b	3	w	
12642	31° 4013	.....		14.0	+32	14	9.1	.....	dF7	- 16.9	b	4	w	
12643	28166	192836		14.1	+21	27	6.2	.026	gW	- 4.1	b*	3	w	
12644	RT Cap	192737		14.2	-21	28	<u>8.0v</u>	*.025	N	- 30	c	2	w	SR 3§f
12645	26.159	192934		142	+S8	45	6.1	.038	AO	+ 4	c	3	V	
12646	28171	102983		14.3	+5§	06	6.8	.022	AO	- 28	c	5	V	
12647	28173	192913		14.4	+27	37	S.7	.011	A2p	- 6	c	10	ws	SB •
12648	28174	192085		14.4	+45	26	5.9	*.054	dF4	- 40.4	b	6	V	
12649	NGC 6804	.....		14.4	+30	25	.....	.....	P	- 58	c	2	V	Km PL neb.
12650	ET Sgr	1027Q2		14.4	-38	16	<u>111*</u>	<i>gum</i>	+ \$5	c	2	W	Em +24 *

Cat. No.	Star	H.D. No."	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
12651	52° 2666	193054	20	14.5	+52	21	7.3	0.010	gK5	- 56.0	b	3	LV	*
12652	28179	192895		14.6	+08	48	6.6	.027	F4	- 9.5	b	3	S	
12653	28180	192987		14.6	+36	54	6.3	.008	B5n	- 6	c	8	V	
12654	28183	192944		14.6	+24	31	5.4	.021	gG7	+ 15.2	b	9	3	
12655	37° 3860	193007		14.8	+37	29	8.0	.005	09	+ 20	c	6	WL	IS -13.6 b *
12656	I 4996-20	.....		14.8	+37	29	10.5	.002	B1	- 18	d	4	LW	IS -16 c *
12657	I 4996-37	.....		14.8	+37	29	9.5	.....	BO	- 58	d	6	WL	IS -16 c *
12658	28188	192954		14.9	+15	43	7.3	.020	cA2e	+ 18.1	b	20	4	
12659	28189	192876		14.9	-12	40	4.6	.016	cG5	- 25.9	a	12	LC	*
12660	31° 4018	193009		14.9	+32	13	7.0	.012	BOne	- 22	d	5	V	IS -11.0 b 3
12661	74° 854	193591		15.0	+75	15	8.5	.031	gM4	- 17.3	b	4	W	
12662	cr Oct	177482		15.1	-89	08	5.5	.027	A7n	+ 11.9	b	8	L	
12663	28195	192879		15.1	-21	58	6.0	.046	sgG8	- 17.8	b	3	W	
12664	28197	193092		15.1	+40	13	5.5	.004	gK5	- 19.6	a	10	3	*
12665	36° 3987	193077		15.2	+37	16	8.0	.015	OW6	.....	..	4	WV	IS -19.8 b *
12666	<x Cap	192947		15.3	-12	42	3.8	.060	gG8	+ 0.4	a	15	LC	*
12667	28201	193533		15.3	+72	27	7.3	.021	gM3	- 25	c	2	L	
12668	28207	193216		15.5	+50	08	8.2	.304	dG7	- 33	c	4	W	SB (15)
12669	28208	193094		15.5	+28	59	6.4	.036	G8	- 20.0	b	6	D	
12670	28210	193183		15.5	+38	05	7.1	.015	B2	0	c	4	V	IS -13.4 b
12671	15° 4124	193097		15.7	+15	51	8.6	.013	gK5	+ 32.2	b	3	W	
12672	28214	193217		15.8	+42	34	6.4	.009	K3	- 17.4	b	4	D	
12673	P Cyg	193237		15.9	+37	53	4.9	.010	Blep	- 8.9	a	102	4	IS -15.1 a *
12674	28221	193220		16.2	+25	29	6.8	.032	B3	- 5	d	6	V	SB
12675	28225	193102		16.2	-14	27	7.4	.033	gKO	- 47.8	b	3	W	
12676	28228	193322		16.3	+40	35	5.8	.005	08	- 7	c	14	VW	IS -12.9 a *
12677	cr Cap	193150		16.5	-19	17	5.5	.008	gK4	- 10.6	a	16	3	*
12678	28239	193369		16.6	+36	51	5.5	.040	Aln	- 9	c	9	3	SB (38) *
12679	WX Cyg	193368		16.7	+37	17	8.6v	* ...	Ne	+ 32	b	3	W	Em +9 P408
12680	28242	193370		16.7	+34	50	5.2	.009	cF5	- 14.3	a	40	4	SB *
12681	28243	193347		16.7	+26	50	6.7	.016	gM2	- 36.0	b	3	W	
12682	20° 4517	103325		16.8	+20	18	7.4	.038	B9	- 39	c	5	S	
12683	13° 4355	193315		16.8	+14	14	7.1	.022	G5	+ 12	c	3	S	
12684	28251	193349		17.0	+14	13	6.8	.023	AOp	- 17	c	6	D	*
12685	28252	103664		17.0	+66	42	6.1	.553	dG1	- 4.7	b	5	WV	*
12686	28257	103373		17.1	+13	04	6.5	.036	gM1	+ 23.2	b	7	DW	*
12687	A 13692A	103502		17.2	+55	14	6.0	.026	dA7	+ 1	c	7	WV	SB *
12688	A 13692B	.....		17.2	+55	14	7.7	.....	dF3	- 8	c	7	W	SB (34)
12689	28261	103536		17.2	+46	10	6.3	.012	B2	- 8.9	b	34	V	IS -11.2 b •
12690	38° 4006	103514		17.3	+30	06	7.3	.019	O8	- 20	c	5	V	IS -16 c
1&691	28265	193353		17.3	-00	48	7.4	.012	gK1	+ 4.1	b	3	W	
12692	V470 Cyg	228911		17*6	+40	42	8.7Y	.....	B2+B2	- 8.6	b	31	V	KA 1.87 *
12693	V444 Cyg	103576		17.6	+38	34	B.4Y	.017	WN5K>6	+ 3	c	190	3	IS -8.8 a *
12694	28275	193472		17.7	+13	23	6.0	.009	A5	- 8.0	b	12	3	*
12695	v Cap	103432		17.9	-12	55	4.8	.022	AO	- 2	c	13	3	*
12696	37° 890	193611		17.0	+38	10	9.2	.03	BO	- 11.1	b	31	V	Oxto. McDonald
12697	H 4997	193538		17.9	+16	34	.....	.....	Pe	- 64.4	b	8	L	Ens PL. neb.
12698	28284	193621		17.9	+36	58	6.5	.013	AO	- 17.3	b	3	V	
12699	28285	103555		17.9	+15	23	6.9	.093	F8	- 27.3	b	8	DS	*
12700	28288	193556		18.0	+14	25	6.3	.014	G5	+ 7.9	b	6	D	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'			km/sec					
12701	U Cyg	193680	20	18.1	+47	44	6.1v	0.005	Ne	+ 10.0	a	23	We	Em -6.9 13 *
12702	28292	193579		18.1	+17	38	6.0	.038	gK5	- 32.5	b	8	DW	*
12703	H Cap	193495		18.2	-14	56	3.2	.039	dF8	- 18.9	a	210	3	*
12704	28299	193702		18.4	+39	15	6.1	.024	AOn	- 1.3	b	7	WV	*
12705	31° 4042	193683		18.5	+31	51	7.4	.008	B3	+ 14.2	b	4	V	IS -3 c
12706	28303	193793		18.8	+43	42	6.8	.013	O5	+ 21	c	39	3	IS -19 c *
12707	28304	193964		18.8	+62	06	5.6	.027	B9	- 25	d	6	W n	SB (84) *
12708	28307	193707		18.9	+14	57	6.6	.020	A1	- 22.3	b	4	D	
12709	28309	193571		19.1	-42	13	5.6	.103	AOn	- 17	c	3	L	
12710	28311	193944		19.2	+53	26	6.4	.024	K5	- 3.6	b	4	D	
12711	38° 4031	229049		19.2	+38	52	<u>10.4</u>	.....	B0	- 17	d	2	Md	IS -3 d
12712	28314	193818		19.4	+22	41	6.8	.017	K5	+ 10.2	b	3	S	
12713	6° 4508	193799		19.5	+07	01	7.6	.008	gG9	- 2	c	2	L	
12714	13° 4371	193819		19.6	+13	26	7.4	.026	B8	- 10	c	6	D	
12715	36° 4028	193928		19.7	+36	45	9.4	.....	WN6	+ 59	c	30	Md	Em X4686 *
12716	BC Cyg	.....		19.8	+37	22	<u>11.5v</u>	.....	gM4	- 3	c	2	W	
12717	51° 2848	194056		19.8	+52	15	7.5	".015	G8	- 53	d	1	V	
12718	AC Dra	194258		19.9	+68	43	7.4v	.042	gM5	- 43.3	b	5	W	
12719	28325	193911		19.9	+24	17	5.4	.009	B8ne	- 13	c	13	3	IS -7.4 b *
12720	NGC 6905	193949		20.1	+19	57	.....	.....	Pd	- 4.3	b	3	L	Em PL neb.
12721	28330	194069		20.3	+40	58	6.4	.033	gG7	- 4.0	b	3	V	
12722	25° 4215	194033		20.4	+26	08	7.1	.016	K2	- 22	d	1	V	
12723	y Cyg	194093		20*4	+40	06	2.3	.001	cF7	- 7.5	a	73	9	*
12724	28339	194152		20.5	+45	38	5.9	.048	gKO	- 26	c	7	VW	SB *
12725	28340	194298		20.5	+63	49	5.9	.025	gK5	+ 30.2	b	7	DW	*
12726	28341	193807		20.5	-42	35	5.7	.022	A3n	+ 2	c	3	L	
12727	28343	194012		20.5	+14	23	6.2	.071	dF5	+ 2	c	12	3	*
12728	28346	194299		20.6	+63	16	7.3	.048	gMO	+ 21	c	2	L	
12729	28347	194097		20.6	+31	06	6.2	.029	K2	+ 12	c	2	V	
12730	26350	193901		20.6	-21	31	8.5	1.207	dF5	-172	c	6	WMd	*
12731	28351	194013		20.7	+05	11	5.4	0.051	gG7	- 11.7	a	10	LV	*
12732	28355	194110		20.8	+31	23	7.2	.092	G7	- 27	d	1	V	
12733	28356	194193		21.0	+40	52	6.1	.048	gMO	+ 0.6	b	3	W	
12734	28358	194115		21.0	+15	12	7.1	.031	AO	- 20	c	7	D	
12735	28364	194220		21.2	+42	49	6.3	.059	KO	- 20.1	b	5	D	
12736	40° 4144	194241		21.3	+40	38	7.5	.038	K2	- 20	c	3	LV	*
12737	28° 3729	.....		21.3	+28	38	8.3	.033	KO	+ 48	c	4	D	
12738	N 6910-6	.....		21.4	+40	36	<u>10.4</u>	.....	B1	- 29	d	4	WL	IS -12.8 b *
12739	N 6910-4	.....		21.4	+40	42	<u>9.4</u>	.....	O8	- 38	c	4	WL	IS -8.8 b *
12740	40° 4150	194279		21.5	+40	36	7.0	*.014	BOe	- 3Q.5	b	17	3	IS -11.3 a *
12741	28371	194211		21.6	+15	53	6.7	.018	B8n	- 14	c	6	D	
12742	a Pav	193924		21.7	-56	54	2.1	.087	B3	+ 2.0	a	22	L	Orb. Curtis
12743	28378	194317		21.9	+32	02	4.6	.037	gK5	- 14.6	b	13	3	*
12744	28879	104335		21.9	+37	19	5.7	.005	B3ne	- 31	c	12	3	IS -18 c *
12745	28S82	194244		22.1	+00	54	6.1	.008	AOn	+ 4	c	4	D	
12746	N 6913-0	.....		22.2	+38	24	10.2	.....	Be	- 32	c	3	LW	IS -9.8 b *
12747	38° 4071	.....		22.2	+38	23	8.6	.01	P2	+ 43	c	2	L	
12748	N 6913-7	.....		22.3	+38	22	10.2	.V.....	BO	- 31	c	5	LW	IS -11 c *
12749	N 6913-10	.....		22.4	+38	25	<u>10.8</u>	.....	BO	- 20	c	2	W	IS -7 c
12750	N 6013-2	.....		22.4	+38	24	<u>9.7</u>	.....	BO	- 32	c	4	LW	IS -10.2 b *

Cat. No.	Star	H.B. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
12751	N 6913-4	.....	h	m	°	'	9.9	....	B0	- 16	c	4	LW	IS -12 c *
12752	N 6913-3	.....	20	22.4	+38	25	9.9	....	B0	- 15	d	5	LW	IS -10 c *
12753	25° 4228	194450		22.6	+25	59	7.2	0.021	K2	- 42	d	1	V	
12754	AC 25° 1	.....		22.6	+24	54	10.6	....	sdEO	-319	c	2	Md	t 67928
12755	MSB 70	.....		22.7	+56	05	9.5	....	N	+ 25	d	1	W	
12756	28405	194495		23.0	+21	19	7.1	.017	A0	+ 11.1	a	.	S	Orb. Shajn
12757	28408	194454		23.1	-02	58	6.1	.032	gK1	+ 23.5	b	3	W	
12758	Lee 143	.....		23.2	+17	44	9	....	N	+ 51	d	1	W	
12759	74° 859	195121		23.3	+75	17	8.9	*.073	gKG	+ 0.5	b	4	W	
12760	28414	194526		23.3	+09	54	6.5	.030	K5	- 76.8	b	4	D	
12761	28418	194577		23.5	+21	15	5.8	.010	gG6	- 21.6	b	3	W	
12762	54° 2346	194737		23.5	+54	51	7.5	.123	gKO	- 47	c	2	L	
12763	26° 3897	194595		23.5	+26	33	8.2	.019	sgG2	- 18	c	2	L	
12764	75° 739	195191		23.6	+75	53	8.0	.006	gK3	+ 10	c	4	W	
12765	28425	194433		23.6	-37	34	6.3	.269	sgK1	+ 16	d	1	W	
12766	28431	194616		23.8	+19	42	6.4	.024	K0	- 30.1	b	4	D	
12767	CC 1206	194598		23.8	+09	18	8.5	.559	dF5	-246.3	b	3	W	
12768	28434	194882		24.0	+59	26	6.5	.011	A0	- 22	d	2	V	SB
12769	28435	194688		24.1	+17	09	6.2	.018	K0	- 17.4	b	4	D	
12770	28438	194883		24.2	+54	31	7.2	.017	B3e	- 27.6	b	4	V	IS -12.6 b
12771	ir Cap	194636		24.5	-18	23	5.2	.015	B8p	- 13	c	11	3	*
12772	40° 4165	194839		24.6	+41	13	7.4	.032	B2e	- 21.1	b	4	V	IS -22.8 b
12773	8° 4440	194739		24.6	+08	56	7.9	.023	B3	- 10	c	8	L	IS -8 c
12774	28444	194640		24.6	-31	02	6.7	.525	dG6	- 2.9	b	3	W	
12775	39° 4192	194885		24.8	+39	20	7.2	.029	A0	- 16.0	b	6	S	
12776	28447	194765		24.9	-02	16	6.6	.102	dF6	- 16.2	b	5	W	
12777	T Mic	194676		24.9	-28	26	7.7v	.003	gM6e	+ 18	d	1	W	SR 347
12778	81° 706	195850		24.9	+82	12	8.1	....	sgF5	+ 4	e	2	L	SB (63)
12779	UU Dra	195351		24.9	+75	05	9.0v	.013	gM8	- 37	d	3	W	SR 12.0
12780	28454	194951		25.2	+34	10	6.4	.012	F0	- 13.5	b	4	S	
12781	28456	195066		25.2	+56	28	6.2	.014	AO	- 24	d	4	V	SB (35)
12782	28462	195068		25.5	+49	13	5.7	.089	dFO	- 20.0	b	7	W	*
12783	28466	194937		25.7	+08	16	0.3	.039	KO	- 11.0	b	6	D	
12784	28467	195050		25.7	+38	17	5.4	.076	Aln	+ 0.4	b	18	4	*
12785	28470	194953		25.8	+02	46	6.4	.045	G5	- 21.5	b	4	D	
12786	28473	194917		25.8	-11	58	7.4	.023	gMO	+ 17.2	b	4	L	
12787	28475	195089		25.9	+41	52	7.2	.021	B3	- 6.6	b	4	V	IS -12.4 b *
12788	42° 3754	195100		25.9	+42	54	7.5	.035	gG6	+ 2	c	2	L	
12789	p Cap	194943		26.0	-17	59	5.0	.028	dF1	+ 18.4	b	13	LW	*
12790	28482	195019		26.0	+18	36	6.8	.343	dG2	- 92.7	b	3	W	
12791	28485	195102		26.1	+33	43	6.9	.012	B9	- 9	c	5	S	
12792	28487	195053		26.1	+19	57	6.8	.041	A2E	- 34	c	6	S	
12793	28488	194959		26.1	-17	38	6.8	.027	dF8	- 14.4	b	4	W	
12794	28402	194960		26.2	-18	02	8.7	.123	gG8	+ 3.9	b	4	W	
12795	2849S	105006		26.6	-22	34	8.2	.028	gM1	+ 55.5	b	3	W	
12796	13 ^c 5680	195075		26.7	-12	46	7.5	.012	gG7	+ 28	c	2	L	
12797	28504	195135		27.0	-03	03	5.1	.008	gK3	- 23.3	a	11	8	*
12798	28505	195527		27.1	+68	36	7.2	.014	gG5	+ 8	c	4	W	
12799	35° 4140	195271		27.1	+35	40	7.5	.021	K5	- 22	d	1	W	
12800	28508	195217		27.1	+19	65	6.4	.030	A2	+ 4.3	b	3	W	

Cat. No.	Star	H.D. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.	Decl.									
			h	m	°	'	''	km/sec					
12801	47° 3117	195338	20	27.2	+47	27	7.2	0.005	K0	- 24	d	1	V
12802	28513	195295		27.4	+30	12	4.1	.006	cF4	- 18.4	a	39	5
12803	28515	195324		27.4	+36	17	5.9	.002	A1	- 18.0	b	3	W
12804	28517	195274		27.5	+10	08	6.8	.021	K0	- 13.1	b	4	S
12805	TZ Aql	195237		27.7	-04	55	8.5v	.029	gM6	+ 49.5	b	3	W
12806	KN Aql	195275		27.7	+01	42	9.4v	.008	gM5e	-140	c	3	W
12807	28521	195340		27.8	+19	30	6.7	.005	B5	- 7.2	b	11	S
12808	28523	195341		27.9	+19	16	7.0	.009	B8n	- 9	c	6	S
12809	28525	195325		27.9	+10	44	5.9	.016	AOe	- 15.5	b	7	SV
12810	28528	195358		28.0	+19	15	6.6	.008	cA2e	- 2.4	b	6	S
12811	26° 3915	.....		28.0	+26	41	10.5	.20	dM2	+ 30	c	2	W
12812	28531	195554		28.2	+55	54	5.9	.011	B9	- 22.3	b	6	V
12813	28533	195330		28.3	-15	13	6.2	.071	gG5	+ 30.4	b	3	W
12814	28534	195432		28.3	+27	40	6.9	.020	F8	- 22	c	3	S
12815	28535	195506		28.3	+45	45	6.6	.166	gK3	- 31.2	b	3	W
12816	O) Cyg	195556		28.5	+48	47	4.9	.011	B3n	- 22	c	9	LY
12817	28540	195479		28.7	+20	26	6.0	.098	A2	- 40.2	b	9	V
12818	6 Cep	195725		28.7	+62	50	4.3	.044	A5	- 8	c	15	4
12819	A 13946B	195482		28.8	+11	05	7.3	.021	A0	+ 2	c	5	V
12820	A 13946A	195483		28.8	+11	05	7.0	.005	A0	- 11	c	7	V
12821	28546	195592		28.9	+44	09	7.2	.016	cB1e	- 28	c	8	VW
12822	12° 5755	195435		28.9	-12	03	9.6	....	R6	- 52	c	2	W
12823	28551	195593		29.1	+36	46	6.3	.005	cF5	- 22.2	b	3	W
12824	40° 4211	195647		29.3	+40	41	7.5	.039	K0	- 27	c	2	V
12825	28556	195710		29.3	+49	03	6.5	.006	AOn	+ 6	c	8	VW
12826	-0° 4033	195534		29.3	-00	19	7.6	.049	SG8	- 49	c	2	L
12827	28559	195649		29.5	+32	56	7.1	.029	G9	- 20	d	1	V
12828	28560	195612		29.6	+16	49	7.1	.021	B9	- 8	c	6	S
12829	AD Cyg	195665		29.6	+32	24	10.0	.026	S	- 1	d	1	W
12830	28562	195690		29.6	+34	10	6.5	.045	F4	+ 14.4	b	6	S
12831	28563	195564		29.7	-10	02	5.8	.320	dG3	+ 9.2	b	6	W
12832	28565	195666		29.7	+30	05	7.3	.036	K2	- 21	d	1	V
12833	54° 2368	195807		29.7	+54	25	8.2	.045	gF2	+ 7	c	2	L
12834	AI Cyg	195691		29.8	+32	21	8.6v	.013	gM6	- 58	c	3	W
12835	28569	195774		29.8	+49	03	5.6	.031	gM2	- 64.0	b	9	VW
12836	CC 1213	.....		29.8	+65	15	10.6	.53	dM3	+ 24	c	2	W
12837	28571	195692		29.8	+25	38	6.3	.043	A2+G	- 18.4	b	3	V
12838	18° 4525	195668		29.9	+18	27	7.2	.017	gM4	- 3.4	b	3	L
12839	28574	195820		29.9	+52	08	6.3	.074	K0	- 9.9	b	4	D
12840	V341 Aql	.....		30.0	+00	25	10.4v	.....	.....	-135	d	1	W
12841	28582	196565		30.1	+81	16	6.9	.048	RG9	- 4.1	b	3	W
12842	28583	190142		30.2	+72	22	6.4	.020	gK4	- 43.2	a	10	VW
12843	Z Del	195763		30.4	+17	17	8.2¥	....	Se	+ 34	b	3	Y
12844	v Mic	195560		30.5	-44	41	5.3	.042	G5	+ 8.7	b	4	W
12845	28589	195964		30.6	+56	37	6.3	.023	gK5	- 14.6	b	6	W
12848	28591	1S5835		30.7	+27	02	7.1	.012	K0	- 16	d	1	V
12847	6* 5521	195767		30.8	-06	23	7.3	.023	sM3	- 21	c	2	L
12848	€ Del	195810		30.8	+11	08	4*0	.023	B7	- 19.3	ia	34	5
12849	28595	195885		30.8	+48	03	6.8	.023	B2	+ 10	c	6	W
12850	44° 3503	195985		31.1	+44	49	7.5	.007	1 B5	- 7	c	7	iv

Cat. No.	Star	aD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'								
12851	28603	195987	20	31.1	+41	43	7.0	0.477	dG9	- 10	c	6	WV	SB (29) *
12852	28604	195986		3L1	+43	01	6.4	.008	B6	- 16.9	a	46	V	Orb. McKellar
12853	ST Cyg	196070		31.2	+54	47	8.8v	. . .	gM6e	- 14	c	2	W	Em -27 *
12854	SZ Cyg	196018		31.3	+46	26	8.9v	.008	cG3v	- 17.0	b	8	W	Cep 15.1 *
12855	29° 4080	195967		31.4	+29	21	7.5	.033	K5	+ 13	d	1	V	
12856	28608	195838		31.4	-13	54	6.2	.101	dF8	- 42.7	b	3	W	
12857	<f> Pav	195627		31.5	-60	45	4.8	.194	FO _n	- 19	c	6	L	
12858	28611	196787		31.5	+81	15	5.6	.033	gG9	- 6.1	b	8	W	+
12859	28613	195922		31.5	+09	53	6.4	.014	A0	- 13	d	4	V	OW
12860	•32° 3862	196006		31.5	+32	44	7.1	.010	B3	- 27	c	6	V	SB
12861	7? ε>el	195943		31.6	+12	51	5.2	.072	A2	- 18	c	7	LY	*
12862	46° 2969	196090		31.6	+46	59	7.8	.029	gG7	- 42	c	2	L	
12863	NGC 6934	.....		31.7	+07	14	10.0	.....	F9	-360	c	5	LLw	Glob, cl; *
12864	28621	195993		31.7	+18	01	7.3	".023	gK5	- 3	c	2	L	
12865	28629	196035		31.9	+20	49	6.3	.010	B3	+ 3.1	b	6	V	
12866	28630	196093		32.0	+35	05	4.8	.007	cK4	- 4.3	a	17	3	+
12867	28631	196133		32.0	+45	00	6.6	.018	A2	- 8.0	a	62	0	Orb. Northcott
12868	28633	196134		32.0	+41	36	6.4	.083	K0	+ 1.0	b	4	D	
12869	28636	196025		32.1	+06	42	6.9	.018	B5	- 4.1	b	5	V	
12870	28637	196120		32.1	+34	30	6.6	.011	B8	- 28	c	4	S	
12871	28639	196502		32.2	+74	47	5.2	.016	A2p	+ 9.2	b	16	3	*
12872	CC 1215	.....		32.2	+24	54	11.5	.08	wA	+ 71	d	5	WMd	SB *
12873	28642	196178		32.3	+46	31	5.6	.007	B9	- 21.7	b	6	V	
12874	28648	196925		32.4	+80	55	6.1	.233	sgG8	- 14	c	3	W	SB (16)
12875	AI Del	.....		32.5	+13	04	13.2v	.....	.....	+ 20	b	37	L	Irr
12876	37° 3978	196179		32.5	+37	41	7.4	.024	G8	+ 10	d	1	V	
12877	28650	196216		32.5	+43	11	7.0	.075	F2	- 6.9	b	4	D	
12878	CC 1216	196124		32.7	+05	57	8.7	.453	dK6	- 32.1	b	4	W	
12879	28653	196197		32.7	+32	20	6.8	.019	K0	+ 3.9	b	3	S	
12880	28654	196282		32.7	+49	36	7.3	.020	gK4	- 25.9	b	3	LV	*
12881	J Del	196180		33.0	+14	30	4.7	.044	A2n	- 25.0	b	12	4	+
12882	29° 4092	196243		33.1	+30	05	7.4	.008	B5	- 22	c	5	V	SB
12883	28667	196379		33.4	+51	41	6.3	.005	FO	- 12.7	b	4	D	
12884	p Pav	195961		33.4	-61	42	5.0	.085	F6	+ 8.0	a	5	L	
12885	6° 4587	196245		33.5	+06	54	8.1	.008	sgF4	- 6	d	2	L	
12886	28671	196359		33.5	+44	14	7.2	.068	FO _n	- 14	c	5	D	
12887	28679	190362		34.0	+25	42	6.3	.018	A2	- 18.8	a	23	S	Orb. Shajn
12888	a Ind	190171		34.0	-47	28	3.2	.082	K0	- 1.1	a	15	LC	*
12889	28684	196321		34.1	-02	43	5.2	.004	gK5	- 9.6	a	13	3	*
12890	A 14054A	196310		34.2	-12	55	8.0	.034	dP1	- n	c	4	W	
12691	A 14Q54B	.....		34.2	-12	55	9.0	.....	<F5	- 20	c	2	W	
12892	28087	190346		34.2	+02	19	7.0	.022	gG9	- 48.9	b	3	L	
12893	28090	197508		34.2	+83	27	0.2	.029	A2	+ 10	c	4	D	SB (14)
12894	V Vul	.....		34.4	+26	20	9.0v	.000	cKDv	- 12.1	s	30	W	RV 76.0 *
12895	28° 3810	190448		34.5	+29	02	8.8	.042	m	+ 3.6	h	4	D	
12896	28694	190348		34.6	-15	19	6.9	.072	gK2	+ 18.5	b	3	W	
12897	28607	190426		34.7	-00	05	0.2	.016	B8	- 23.3	b	4	S	
12898	19° 4404	190483		34.8	+20	10	9.2	.018	AO	- 56	e	1	L	
12899	MSB 33	.....		34.9	+59	54	9.5	.....	N	- 54	c	2	W	
12900	28702	196504		34.9	+20	17	5.5	".011	B9	- 10	d	4	V	SB (50)

Cat. No.	Star	H.D. No.*	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
12901	BD Vul	.....	20	35.2	+26	18	9.3v	.....	Ne	+ 31	d	1	W	Em +7 *
12902	0 Del	196524		35.2	+14	25	3.7	0.111	dF3	- 22.9	a	46	5	*
12903	49° 3332	196671		35.3	+49	43	7.2	.005	K0	- 38	d	1	V	
12904	GO Cyg	196628		35.4	+35	16	8.2v	.02	*	+ 4.2	b	13	V	B9n+A0n *
12905	W Del	.....		35.4	+18	06	9.4v	.....	A0e+G5	+ 19	b	36	Md	EA 4.81 *
12906	l Del	196544		35.4	+11	12	5.4	.036	A2	- 3.9	a	23	V	Orb. Harper
12907	37° 4000	196643		35.5	+37	55	7.4	.018	gK5	- 14	c	3	LV	*
12908	28713	196606		35.5	+31	24	6.2	.005	AOn	- 19	c	8	SV	*
12909	28714	196642		35.5	+38	09	6.3	.044	K0	- 36.5	b	4	D	
12910	28715	196629		35.5	+31	21	6.4	.060	dA5n	+ 1.1	b	7	VW	*
12911	28720	196610		35.6	+18	06	6.3	.099	gM6	- 66.2	b	8	DW	*
12912	AA Aql	.....		35.6	-03	04	10.8v	.007	.....	- 75	d	1	W	RR 0.36
12913	42° 3803	196687		35.7	+42	48	7.1	.009	B8	- 9.6	b	5	D	
12914	MSB 71	.....		35.7	+36	41	9.7	.....	N	+ 18	c	3	W	
12915	28724	196673		35.7	+33	11	7.0	.026	K0	- 27	d	1	V	
12916	28725	196574		35.8	-01	17	4.5	.022	£G5	- 5.6	a	30	V	Orb. Harper
12917	26° 3941	196674		35.9	+26	53	8.0	.065	sgF7	- 56	c	2	L	
12918	28730	196378		35.9	-60	43	5.3	.646	F4	- 31.8	b	4	L	
12919	28736	196657		36.2	+05	28	9.0	.072	dF4	- 14	c	4	W	
12920	28737	196789		36.2	+42	40	7.1	.190	dF6	+ 1.6	b	5	W	
12921	28740	196724		36.3	+21	01	4.8	.062	B9	- 18.4	b	23	5	*
12922	28741	196740		36.4	+23	56	5.0	.005	B7n	- 22	c	14	3	IS -14 c *
12923	6 Del	196725		36.4	+13	08	6.1	.007	cK4	- 14.4	b	11	VW	*
12924	28745	196753		36.4	+23	30	6.1	.012	cKO	+ 9	c	6	WY	SB *
12925	T Cap	196662		36.5	-15	08	5.3	.021	B5n	- 5	c	7	LY	*
12926	28750	196833		36.5	+44	09	6.6	.011	B8	- 18.7	b	5	D	
12927	28752	196712		36.6	-02	35	6.3	.011	B9ne	- 14	d	5	S	SB 2-sp
12928	28754	196865		36.7	+47	54	6.6	.043	G5	- 24.9	b	4	D	
12929	RU Vul	196792		36.7	+23	05	8.5v	.....	f?M3e	- 86	c	2	W	Em -93 *
12930	fc Del	196755		36.7	+09	55	5.2	.313	dG2	- 52.0	a	21	4	*
12931	28758	196775		36.8	+15	40	5.9	.018	B3n	+ 2	c	7	VW	IS -12 c *
12932	28760	196850		36.8	+38	28	6.8	.264	dG2	- 20.6	b	6	SW	*
12933	28761	196758		36.9	+00	19	5.4	.097	gG9	- 42.7	b	7	LW	*
12934	28764	196852		36.9	+80	09	5.9	.068	gG9	+ 12.8	b	9	VW	*
12935	28765	196794		36.9	+09	54	8.9	.310	dK1	- 52.9	b	3	W	
12936	28766	196821		37.0	+21	38	5.9	.020	A0	- 36.7	b	8	V	
12937	R Mic	196717		37.0	-28	58	9.8v	.....	gM4e	+ 10	c	2	W	Em +4 *
12938	28771	196795		37.1	+04	48	8.4	.862	dK6	- 43.4	b	8	W	
12939	28775	196866		37.2	+25	54	7.0	.118	K5	- 78.0	b	4	D	
12940	28776	196737		37.2	-33	37	5.5	.046	K2	+ 14.2	b	3	L	
12941	v Cap	196777		37.2	-18	19	5.3	.029	gM2	- 12.5	b	9	3	*
12942	28778	196761		37.2	-23	57	6.3	.674	dG7	- 50	c	3	W	
12943	oc Del	196867		37.3	+15	44	3.9	*Q62	B8n	- 6	c	20	3	*
12944	28781	196882		37.3	+21	33	8.5	.023	gK4	-111	c	5	W	
12945	v Pav	196519		37.4	-66	56	5.4	.026	B9	+ 8	c	7	L	
12946	28784	196885		37.5	+11	04	6.4	.104	F8	- 28.3	b	4	S	
12947	30° 4126	196972		37.7	+30	39	7.5	.032	cKO	+ 14.9	b	3	LV	*
12048	28703	197036		37.7	+45	29	0.5	.001	B3e I	- 15.1	b	4	vy	
12949	28794	197101		37.7	+55	50	6.5 J	.038	FOn	- 0.5	D	4	D	
12950	28797	196857		37.7	-10	18	5.9	.101	gG7	- 3.7	b	3	W	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
			h	m	°	'	''	km/sec					
12951	28802	196892	20	38.0	-18	58	8.2	0.448	dF4	- 30	c	4	W
12952	28803	197637		38*0	+79	15	6.8	.013	B3	- 30.9	b	6	V
12953	VW Cep	197433		38.1	+75	25	7.8 _v	.653	*	- 35	c	10	Md
12954	28807	197039		38.3	+15	28	6.8	.096	dF6	- 32.5	b	7	WS
12955	28809	197139		38.3	+43	17	6.2	.097	K0	- 18.9	b	4	D
12956	14° 4389	197040		38.4	+14	21	7.7	.027	A2n	- 36	d	4	W
12957	28814	197076		38*5	+19	45	6.4	.326	dG2	- 37.0	b	3	W
12958	28816	197120		38.5	+29	38	6.1	.041	AO _n	- 27	c	7	SV
12959	28819	197042		38.6	-01	16	8.7	.010	gK1	- 7.2	b	3	W
12960	32°16135A	196982		38.7	-32	36	10.9	.45	dM4e	- 4	c	5	W
12961	32°16135B	.....		38.7	-32	36	11.1	.....	dM4e	- 3	c	5	W
12962	28826	197121		38.9	+14	24	6.2	.010	gK4	- 31.6	b	3	W
12963	A 14158A	197177		39.0	+32	08	6.0	.015	RG7	- 28.7	b	5	W
12964	A 14158B	197188		39.0	+32	08	8.1	.015	A1	- 31	c	3	W
12965	76° 809	197665		39.1	+76	40	7.1	.....	F3	- 8.2	b	5	D
12966	28832	197373		39.2	+60	19	6.0	.186	dF4	- 12.5	b	5	WV
12967	30° 4138	197206		39.2	+31	05	7.4	.034	sgK1	- 26	c	2	L
12968	28839	197245		39.5	+24	00	6.8	.013	B9	+ 7	c	7	S
12969	28843	197249		39.7	+17	20	6.3	.046	G6	- 2.4	b	4	D
12970	V Cyg	.....		39.7	+47	58	6.8 _v	.025	Ne	+ 3	b	3	W
12971	oc Cyg	197345		39.7	+45	06	L3	.003	cA2e	- 4.6	a	914	7
12972	19° 4489	197274		39.9	+19	41	7.5	.035	KGB	+ 12.4	b	3	W
12973	52° 2777	197406		39.9	+52	25	10.3	.....	WN+Of	- 30	e	9	W
12974	CC 1223	*.....		40.0	-19	05	10.3	1.15	dM2	+ 5.0	b	3	W
12975	28854	197392		40.1	+41	32	5.6	0.011	B8	- 27	c	3	W
12976	56° 2471	.....		40.2	+57	15	10.3	.22	dM0	- 15	c	2	W
12977	2° 4231	197315		40.2	+02	49	8*3	.024	dF4	- 21	c	2	L
12978	28859	.....		40.3	+15	57	8.9	.006	gM0	- 30.4	b	4	W
12979	π Ind	197157		40.4	-52	06	4.7	.165	A7	- 1.6	a	5	L
12980	28861	197419		40.4	+35	17	6.5	.025	B3e	- 6.8	b	11	WV
12981	0 Pav	197051		40.5	-66	23	3.6	.046	A5	+ 9.8	b	4	L
12982	28865	197511		40.7	+50	10	5.4	.003	B3	- 3.3	b	12	3
12983	45° 3245	197488		40.7	+45	40	7.6	.191	dG2	+ 10.8	b	4	W
12984	S Del	197420		40.8	+16	54	8.2 _Y	.025	gMSe	- 13	c	2	W
12985	-0° 4076	197409		41.0	+00	17	8.7	.011	A2	- 19.2	b	4	W
12986	CC 1224	.....		41.1	+35	20	12.5	.67	dM3	+ 42	d	1	W
12987	6 Del	197461		41.1	+14	54	4.5	.054	A5	+ 9.3	a	118	4
12988	31° 4201	.....		41.4	+31	57	9.2	.....	N	- 26	c	2	W
12989	X Cyg	197572		41.4	+35	24	7.0 _v	.008	cG4 _v	+ 9.8	a	23	W
12990	28894	197734		41.6	+6G	25	6.1	.014	A0	- 5	c	3	V
12991	28895	197562		41.6	+23	37	6.8	.016	A0	- 26	c	5	S
12992	34° 4134	197604		41.7	+34	54	9.8	.....	R4	+ 21	c	2	W
12993	CC 1227	.....		41.8	+55	57	15.3	1.87	dM5e	- 23	e	1	W
12994	28901	197770		42.0	+56	56	6.4	0.016	B2	- 15	c	12	VW
12995	CC 1225	197481		42.0	-31	31	8.7	.45	dM2e	+ 5	c	5	W
12936	CC 1226	.....		42.1	+19	35	10.5	.57	dM2	+ 9	c	2	W
12937	28905	197795		42.1	+55	07	7.6	.010	AO	+ 0.8	b	4	W
12938	3" 5400	197577		42.2	-08	11	8.0	.016	PCG2	+ 6	d	2	L
12903	28912	197623		42.4	+00	07	7.4	.146	dG2	- 71	c	5	W
13000	*28316	197684		42.5	+12	08	6.9	.027	dA7 _n	- 10.4	b	3	W

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes			
			R.A.	Decl.											
			h	m	°	'	''	km/sec							
13001	28919	197950	20	42.6	+66	29	5.6	0.044	A5	+ 35	e	2	Vn		
13002	A14238AB	197683		42.6	+12	33	8.3	.008	dF5	+ 16.6	b	6	W		
13003	A 14238C	197704		42.7	+12	31	8.3	.019	dF2	- 24.4	b	3	W		
13004	28920	197752		42.7	+25	05	5.1	.181	gK2	+ 31	c	7	LB	SB *	
13005	T Del	197772		43.0	+16	13	8.2v	.023	gM4e	- 10	c	2	W	Em -20 *	
13006	28926	197939		43.1	+56	18	6.2	.015	gM3	- 27.9	b	7	DW	*	
13007	28927	197630		43.1	-39	23	5.5	.051	B9n	- 49	d	3	L		
13008	^ Cap	197692		43.1	-25	27	4.3	.165	dF1	+ 25.8	a	17	LC	*	
13009	U Del	197812		43.2	+17	54	5.6v	.007	cM6	- 21.2	b	6	DW	Irr *	
13010	31° 4210	197839		43.2	+31	36	8.0	.022	gK1	- 12.6	b	3	W		
13011	CC 1228	.....		43.3	+44	18	10:6	.50	dM3	- 15	c	3	W	
13012	28942	197912		43.6	+30	32	4.3	.031	gG7	- 1.3	a	10	3	L	
13013	NGC 6960	.....		43.6	+30	32	.....	.....	- 18	d	1	L	Em "Network"	
13014	50° 3189	235350		43.7	+51	01	9.2	.004	B2	- 18	c	3	Md	IS -6 c	
13015	28944	197961		43.7	+46	10	6.6	.019	A0	- 3.6	b	5	D		
13016	W Aqr	.....		43.8	-04	16	7.0v	.051	gM7e	- 15	c	3	W	Em -29 *
13017	A 14270A	197913		43.9	+15	43	7.5	.109	dG9	- 25.6	b	4	W		
13018	A 14270B	.....		43.9	+15	43	8.2	.094	dG8	- 29.1	b	3	W	
13019	28956	198084		44.1	+57	24	4.6	.241	dF9	- 31.4	a	14	4	*	
13020	€ Cyg	197989		44.2	+33	47	2.6	.481	gKO	- 10.3	a	104	5	SB *	
13021	28961	198236		44.3	+69	34	6.5	.038	G8	- 8.5	b	5	D		
13022	7) Cep	198149		44.3	+61	39	3.6	.825	dG7	- 87.3	a	12	3	*	
13023	BZ Cyg	.....		44.3	+45	07	11.5v	.....	cG2v	- 17.0	b	7	W	Cep 10.1 *
13024	V Aqr	197942		44.3	+02	15	7.4v	.008	gM6e	- 44	c	2	W	Em -53 *	
13025	A 14279B	197963		44.3	+15	57	5.5	.198	dF6	- 7.6	a	10	3	*	
13026	y Del	197964		44.3	+15	57	4.5	.201	sgK1	- 6.6	a	24	5	A 14279A *	
13027	18° 4612	197976		44.4	+18	35	8.3	.050	gFO	- 24	d	1	L		
13028	63° 1655	198180		44.4	+63	22	8.5	••••	dA6n	- 8	c	4	W		
13029	ϕ Pav	197635		44.6	-68	58	5.5	.090	K0	+ 18.8	a	6	LC	*	
13030	14° 5850	.....		44.8	-14	36	11.2	.39	dF5	0	c	2	Md	
13031	28975	198181		44.9	+52	49	6.4	.136	K0	- 28.6	b	4	D		
13032	28977	198151		45.0	+46	21	6.3	.031	A3	- 9	b	7	DV	*	
13033	€ Aqr	198001		45.0	-09	41	3.8	.043	A1n	- 16.0	b	21	4	*	
13034	1° 4363	198025		45.0	+01	39	7.3	.039	gK4	+ 19	c	2	L		
13035	28979	198026		45.0	-05	13	4.6	.040	gM3	- 22.0	a	5	L		
13036	i Mic	197937		45.1	-44	10	8.1	.209	A7n	- 18.2	b	7	L		
13037	T Cyg	198134		45.2	+34	11	5.2	.043	gK3	- 22.8	a	5	LW	*	
13038	28984	198070		45.3	+03	07	6.4	.035	AO	- 21	d	4	V		
13039	28986	198069		45.3	+05	49	5.6	.006	AO	- 8	c	9	VY	*	
13040	28987	198105		45.4	+42	14	7.1	.010	B9	- 20.2	b	5	0		
13041	28988	198385		45.4	+08	22	8.5	.186	dG5	- 19.0	b	3	W		
13042	19° S930	198140		45.4	-19	13	10.3	•...	R1	+ 46	c	2	W		
13043	28993	188044		45.4	-22	55	7.3	.172	dF5	+ 12	c	4	W		
13044	A Cyg	198183		45.5	+36	18	4.5	.012	B6ne	- 23	c	21	3	SB (32) IS -13 c *	
13045	¥ Del	198136		45.5	+19	09	8.1v	.....	pM6e	- 24	d	1	W	Em -39 *
13048	12" 5830	198075		45.5	-12	38	8*0	.070	dG3	- 16	c	2	L		
13047	A 142MB	••••		45.6	-18	23	7.2	.013	gG6	- 7.9	b	3	W		
13048	A 142S8A	198063		45.5	-18	23	0*7	.023	cG7	- 9.5	b	3	W		
13049	289P7	198237		45.6	+45	24	6.7	.026	cMO	- 5.9	b	3	W		
13950	28W9	198184		45.6	+26	00	7.0	.008	B9	- 2	c	5	S		

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
13051	K 40-1659	.....	20	46.0	+45	25	<u>11.1</u>	.....	B4	- 13	e	2	Md	IS -6 d
13052	t Ind	198048		46.0	-46	25	4.9	0.049	M1	- 5.2	b	4	L	
13053	V367 Cyg	198287		46.1	+39	06	<u>7.7v</u>	.018	cF2ev	- 1.5	a	172	W	EB 186 *
13054	29012	198345		46.2	+47	39	5.6	.029	frK5	- 29.9	b	14	WV	SB (23) *
13055	29018	198174		46.3	-25	58	5.8	.026	B8n	- 12	c	5	L	
13056	29019	199095		46.3	+82	21	5.7	.039	A0	- 20	g	4	D	SB (54)
13057	29020	198188		46.4	-20	49	8.2	.300	dG3	- 85	c	5	WL	*
13058	29021	198387		46.4	+52	13	6.3	.171	cKO	- 41.1	b	3	V	
13059	29023	198208		46.5	-18	13	6.4	.034	gK3	+ 44.1	b	3	W	
13060	30° 4185	198330		46.6	+30	36	7.4	.079	gk-4	- 1	c	3	LV	*
13061	44° 3590	198414		46.8	+45	16	7.5	.018	B9n	- 20	d	6	D	
13062	oc Mic	198232		46.8	-33	58	5.0	.024	G6	- 14.5	a	7	L	
13063	29031	198436		47.1	+39	36	7.3	.013	AOn	- 21	c	6	S	
13064	32° 3954	.....		47.2	+33	02	9.2	.....	N	- 11	a	1	W	
13065	29036	198478		47.2	+45	56	4.9	.001	cB2e	- 7.2	b	23	4	IS -12 c *
13066	29037	198390		47.2	+12	21	6.0	.112	dF4	+ 2.3	b	9	VW	*
13067	13° 4531	198389		47.3	+13	46	7.0	.130	F6	- 41.1	b	3	S	
13068	42° 3873	198480		47.3	+42	46	7.3	.033	B8	- 11	c	5	D	
13069	T Aqr	198373		47.3	-05	20	6.7v	.055	εM3e	- 39.0	b	4	W	Em -53.5 *
13070	29039	198391		47.4	+07	41	6.2	.024	A2	- 30.2	a	28	S	Orb. Shajn
13071	29044	198404		47.5	+05	21	6.3	.037	K0	- 21.7	b	4	D	
13072	29052	198596		47.7	+54	03	7.2	.092	K1	0	d	1	V	
13073	29053	198357		47.8	-38	06	5.6	.025	K0	+ 15	c	5	L	SB
13074	26° 4008	198527		47.9	+27	11	7.0	.017	B9	- 7	c	7	S	
13075	i Ind	198308		47.9	-51	48	5.2	.013	K3	+ 21.4	a	5	L	
13076	29057	198431		47.9	-12	44	6.0	.140	RK1	- 44	c	3	W	
13077	29065	198625		48.2	+46	28	6.5	.004	B4n	- 15	c	6	V	
13078	29066	198639		48.3	+43	52	5.1	.179	dA6n	- 21	c	15	3	*
13079	29067	198552		48.3	+17	52	6.5	.073	A0	+ 13	c	3	V	
13080	29069	198781		48.4	+63	51	6.4	.012	Bin	- 27.3	b	4	V	IS -20.9 b
13081	29071	198626		48*5	+30	43	6.8	.060	SF2	- 28.6	b	6	DW	*
13082	DS Cye	198681		48.6	+45	14	<u>13.5v</u>	.....	N	- 6	c	2	W	
13083	29078	198571		48.8	-05	49	6.1	.092	dF3	- 24.6	b	6	VW	*
13384	41° 3909	198693		48.8	+42	12	7.2	.024	B8	- 23.6	b	5	D	
13385	α Cap	198542		48.8	-27	06	4.2	.010	gM1	+ 9.0	b	23	3	*
13086	29080	198529		48.9	-33	22	6.0	.019	A2n	- 7	c	5	L	
13087	29D88	198794		49.3	+47	51	7.2	.039	K6	- 23	d	1	V	
13088	T Vul	198726		49.3	+28	04	5.9v	.002	cF9v	- 1.4	z	52	L	Cep 4.44 *
13083	29094	198667		49.5	-05	42	5.5	.005	B9	- 2.1	b	12	3	*
13990	29098	198784		43.6	+37	48	7.0	.010	B3	- 4.0	b	30	V	IS -6.0 b *
13091	29104	198729		49.7	-03	25	8.0	.042	cM4	- 30.2	b	3	W	
13092	29107	199437		49.9	+80	22	5.6	.047	fcKt	- 26.4	b	9	VW	*
13093	fi Aqr	198743		50.0	-09	10	4.8	.050	aA8	- 9.1	b	11	3	*
13094	29110	19^877		50.0	+49	28	7.0	.042	K3	- 5	d	1	V	
13D95	29111	198820		50.0	+32	40	6.4	.015	B5	- 18	c	10	VD	IS -12 c *
13190	29112	198309		50.0	+26	55	4.8	.096	SfG2	+ L0	b	18	4	SB *
13097	Y cvk	198846		50 J	+34	28	7.0v	.022	03+09	- 56.8	b	61	V	IS -8.6 b *
13093	29116	198732		53.1	-23	58	6.4	.110	scE5	- 40.4	b	3	W	
13099	EZ Cw	.....		50.2	+47	10	9.0v	.037	CM7	- 47	c	2	W	P357
23100	4C 33cil	198915		53.2	+46	32	7.3	.006	B7	- 21.4	b	4	D	

Cat. No.	Star	RD. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.									
			h	m	°			km/sec					
13101	A 14382A	198896	20	50.2	+43 34	8.5	0.05	sgG8	+ 4	d	5	W	SB (36)
13102	A 14382B	.....		50.2	+43 34	8.8	.....	dA5	- 10	c	4	W
13103	29120	198835		50.2	+17 50	6.8	.017	G5	+ 16.7	b	3	S	
13104	29125	198802		50.4	-11 46	6.4	.066	dG1	- 0.8	b	5	W	
13105	29127	198716		50.4	-40 00	5.4	.109	K5	+ 20.1	b	4	L	
13106	10° 4401	198861		50.6	+10 48	8.1	.065	sgF7	- 33.6	b	3	L	Glob. cl. *
13107	NGC 6981	.....		50.7	-12 44	10.2	.....	G2	-255	c	5	LW
13108	/3 Ind	198700		50.9	-58 39	3.7	.034	K2	- 4.9	a	15	LC	
13109	29136	198976		51.0	+29 28	6.4	.047	K0	- 10.1	b	5	D	
13110	29137	198766		51.0	-50 55	6.5	.035	B8	- 4	c	4	L	
13111	29141	199120		51.3	+58 28	7.6	.035	gG7	- 6	c	2	L	IS -17 c *
13112	29150	199081		51.5	+44 12	4.7	.006	B3	- 19.5	b	114	3	
13113	29151	199055		51.5	+31 26	6.9	.040	A8n	- 31	c	5	D	
13114	29153	199098		51.6	+44 59	5.6	.011	erG8	- 24	c	8	WD	
13115	29155	199099		51.6	+42 13	6.5	.008	"AO	- 7	c	4	V	
13116	29159	199101		51.9	+33 15	5.7	.034	gK5	- 9.5	b	14	3	*
13117	29160	199191		51.9	+54 20	7.2	.179	dG6	-195.5	b	7	WV	*
13118	47° 3214	199154		51.9	+48 04	7.1	.017	A5	- 22.7	b	4	D	IS -9 c *
13119	44° 3621	199138		51.9	+44 59	8.3	.034	A1	- 43.9	b	4	W	
13120	28° 3920	199102		51.9	+29 18	7.6	.008	B9n	- 2	c	6	D	
13121	29164	199012		52.0	-18 07	5.9	.057	gKO	- 38.9	b	5	W	
13122	29166	199476		52.1	+74 35	7.9	.693	dG3	- 29.9	b	3	W	
13123	74° 890	199492		52.1	+74 27	7.4	A3n	- 14	c	6	D	IS -5 c
13124	29168	199178		52.1	+44 12	7.6	.016	dG5p	- 22.5	b	3	W	
13125	29171	199140		52.2	+28 20	6.4	.010	B1	- 12	c	31	VD	
13126	29172	199216		52.3	+49 21	7.1	.004	B1	- 6.6	b	4	V	
13127	CC 1238	199305		52.3	+61 59	8.6	.77	dM2	- 9	c	3	w	
13128	29174	199206		52.3	+44 55	7.4	.009	B7	- 21	c	6	D	* * * * *
13129	29178	199169		52.4	+27 52	5.2	.005	gK5	+ 8.1	a	10	3	
13130	29181	199306		52.5	+59 07	6.8	.058	dA8n	+ 5	c	5	WV	
13131	29182	199218		52.5	+40 31	6.5	.008	B5ne	- 22.2	b	4	W	
13132	X Del	199170		52.6	+17 27	8.0v	.....	gM4e	- 57	c	2	W
13133	CC 1237		52.7	+12 59	8.7	.668	dK5	- 32	d	2	W	Em -63 3 *
13134	29190	199234		52.7	+36 53	7.2	.016	B3m	-2.6	c	7	S	
13135	C 2711	.....		52.8	+74 24	9.9	.14	dG5	- 75	c	3	W
13136	29194	199221		52.9	+27 54	8.0	.124	dG2	+ 5.4	b	3	W	
13137	29195	199251		52.9	+33 34	7.4	.020	pM3	- 7.1	b	3	W	
13138	29196	199311		52.9	+46 02	6.7	.016	A2	- 39.9	b	4	D	Em -20 *
13139	UX Cyg	199252		53.0	+30 13	7.2v	»»»	e:M6e	- 6	c	2	W	
13140	29200	199223		53.2	+04 20	6.0	.065	sgG6	- 30.6	a	12	WV	
13141	29201	199253		53.2	+13 32	5.4	.016	gK0	- 10.2	a	12	3	
13142	29202	199254		53.3	+12 23	5.5	.039	A2	- 1	c	6	V	
13143	NGC 6992		53.3	+31 SO	+10D		d	1	L	SB (30) Em 2xt. neb.
13144	29206	193317		53.3	+32 39	7.2	.035	K2	- 57	d	1	V	
13145	29207	199394		53.4	+46 10	7.1	.047	G7	0	c	2	V	
13146	29203	199355		53<5	+42 19	6.9	.007	B5	- 23	c	5	J	
13147	39° 4368	199356		53.5	+40 06	7.0	.010	B3ne	- 13	c	4	V	
13148	69" 1136	199660		54.0	+89 46	7.8	.02	RG6	+ 9.0	b	3	W	IS -13.4 b
13149	29217	109371		54.1	+14 37	7.5	.026	sgG3	- 15	c	2	L	
13150	CC 1242	.....		54*1	-10 37	11.5	1.14	QM4	+ 51	c	3	W

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
13151	29219	199478	20	54.1	+47	14	5.8	0.007	cB8e	- 16	c	11	WY	IS -15.2 b *
13152	29220	199345		54.2	-09	53	5.7	.012	gK5	- 32.7	b	3	W	
13153	29221	199479		54.2	+44	11	6.7	.013	B8	- 6	c	5	D	
13154	29225	199288		54.4	-44	19	6.6	1.096	dGO	- 16	c	2	L	
13155	29227	199511		54.4	+43	14	6.8	0.027	B8	- 30	c	4	D	
13156	UY Cyg	.....		54.4	+30	14	10.4v	.013	A8v	- 5	c	4	W	RR 0.56 *
13157	29231	199547		54.6	+43	42	7.1	.037	K2	- 8	d	1	V	
13158	29232	199442		54.6	+00	16	6.3	.063	K2	- 25.6	b	5	D	
13159	29239	199612		54.8	+49	00	6.0	.008	gKO	- 14.7	b	4	W	
13160	29241	199579		54.8	+44	44	6.0	.011	06	- 5.8	a	34	V	IS -11.7 a *
13161	29243	199611		54.8	+50	32	5.8	.038	dA8n	- 15	c	8	DW	SB *
13162	29246	199661		54.9	+56	42	6.1	.010	B3	- 19	c	5	V	
13163	29247	199580		55.0	+42	42	7.9	.312	dG9	- 19.4	b	3	W	
13164	v Cyg	199629		55.3	+40	58	4.0	.018	B9n	- 27	c	23	5	SB *
13165	12° 5876	199523		55.3	-12.	09	7.5	.022	gG7	+ 13	c	2	L	
13166	29254	200039		55.4	+75	44	6.2	.058	G5	- 25.1	b	4	D	
13167	VX Cyg	.....		55.4	+39	59	10.7v	.008	cKv	- 18.5	b	10	W	Cep 20.1
13168	41° 3944	199693		55.6	+42	15	7.5	.055	K5	- 34	d	1	V	
13169	46° 3121	199761		55.8	+47	00	8.1	...	£F4	- 16	c	2	L	
13170	29266	199665		56.0	+10	39	5.6	.066	gG6	0	c	7	SW	*
13171	29267	199697		56.0	+22	08	5.6	.009	gK4	- 27.8	b	3	W	
13172	29274	199870		56.5	+44	17	5.8	.126	gG7	- 20.7	b	11	VW	*
13173	€ Equ	199766		56.6	+04	06	5.3	.186	dFO	+ 17.8	b	4	L	A 14499AB
13174	A 14499C	.....		56.6	+04	06	7.2	.177	dF4	+ 9.5	b	3	W	
13175	47° 3240	199890		56.6	+47	25	7.2	.020	B8	- 21.8	b	3	D	
13176	29280	199837		56.7	+31	27	7.2	.043	B9n	- 11	c	13	SD	*
13177	29285	200099		56.7	+68	52	7.1	.074	gK4	- 40.4	b	3	W	
13178	29291	199955		56.9	+50	16	5.5	.013	B8n	- 21	c	13	3	*
13179	29292	199802		56.9	+00	54	8.7	.157	dF9	- 16.9	b	3	W	
13100	29294	199803		57.0	+00	52	8.7	.244	dG4	- 19.7	b	3	W	
13181	29299	199986		57.2	+46	03	7.0	.038	A5	- 1.0	b	4	D	
13182	29303	199941		57.5	+16	38	6.5	.039	F2	+ 1.5	b	10	OS	*
13183	29307	200021		57.6	+40	46	7.0	.023	G9	- 34	d	1	V	
13184	29309	199942		57.6	+07	19	6.0	.033	A3n	- 24	c	7	WV	*
13185	43° 3782	200060		57.8	+44	02	7.5	.010	K1	- 23	d	1	V	
13186	29317	200043		57.9	+32	18	7.2	.034	gM3	- 15.5	b	3	L	
13187	29318	199960		57.9	-04	55	6.3	.136	dG1	- 1T.4	b	3	W	
13188	29319	200077		58.0	+40	04	6.6	.317	dF8	- 35.9	b	3	W	
13189	29322	199947		58.1	-17	44	6.5	.030	S?K2	+ 1.1	b	3	W	
13190	29323	200102		58.1	+44	48	6.8	.010	G5	- 24.2	b	4	D	
13191	29327	200120		58.1	+47	19	4.9	.003	B3ne	+ 1	c	23	4	IS -17.3 b *
13192	C 2716	199976		58.1	-08	32	8.2	.242	dG7	- 37.9	b	3	W	
13193	CC 1250	.....		58.1	+39	53	10.2	.67	dM3e	- 57	c	3	W	
13194	29329	200044		58.2	+19	08	6.0	.050	RM3	- 14.9	b	3	W	
13195	29330	200205		58.2	+59	15	5.8	.041	gK4	- 17	c	14	WV	*
13196	y MiC	199951		58.2	-32	27	4.7	.009	G4	+ 17.6	a	5	L	
13197	TX Cyg	.....		58.3	+42	24	10.2v	...	cGCtv	- 19.0	b	7	W	Cep 14.7 *
13198	29337	200004		58.4	-13	44	6.6	*.008	sgG3	+ 22.8	b	3	W	
13199	29338	200206		58.4	+55	01	7.1	.029	K2	- 20	d	1	V	
13200	R¥ Cap	.....		58.7	-15	26	10.8v	.123	AB	- 80	dj	3	W	HR 0.45

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
13201	< <i>x</i> Oct	199532	h	m	°	'		''	km/sec					
13202	NGC 7006	.....	20	58.7	-77	13	5.2	0.367	+ 60	d	7	L	SB (70)
13203	NGC 7006	.....		59.1	+16	00	<u>11.4</u>	.....	-348	c	5	LW	Glob. cl. *
13204	60° 2190	200386		59.1	+54	22	.....	.....	- 73	c	4	L	Em PL neb.
13205	29350	200253		59.2	+61	18	7.4	.059	- 13	d	1	V		
				59.2	+35	50	6.1	.019	- 10	c	9	SW	SB (18) *	
13206	RR Cap	200128		59.4	-27	17	<u>9.2</u> _v	.....	- 63	c	2	W	Em -71 *
13207	29354	200310		59.4	+45	58	5.2	*.008	- 10	c	20	4	IS -12 c *	
13208	29° 4283	.....		59.7	+30	20	8.5	.038	+ 4.9	b	4	W	
13209	29361	200256		59.7	+06	59	7.4	.016	- 4.7	b	3	W		
13210	<i>t</i> Mic	200163		59.8	-38	50	5.4	.116	+ 4.6	b	5	L		
13211	14° 4516	200272		59.8	+15	18	9.3	.042	- 18	d	1	L		
13212	4° 4596	200274	21	00.0	+05	22	9.0	.056	- 14	d	1	L		
13213	29371	200407		00.0	+43	59	6.7	.080	- 7.8	b	4	D		
13214	X Cep	201305		00.2	+82	52	8.7 _v	.....	+ 21	c	4	W	Em +7 *
13215	29° 4284	200390		00.2	+30	20	7.8	.034	- 23	c	4	W		
13216	27° 3952	200391		00.3	+27	36	7.2	.086	- 26	b	35	D	Prel. orb. (296)	
13217	29378	200465		00.4	+39	19	6.5	.007	- 8.9	b	9	VW	*	
13218	29381	200451		00.5	+26	19	7.4	.016	- 25	c	2	L		
13219	29382	200375		00.5	+01	20	6.5	.130	+ 7.3	b	4	S		
13220	29388	200527		00.6	+44	36	6.4	.017	+ 0.6	b	4	D		
13221	29389	200430		00.7	+14	32	6.4	.018	- 38.5	b	5	D		
13222	29396	200510		00.8	+32	09	7.2	.010	- 8.7	b	3	W		
13223	29398	200560		00.9	+45	41	7.8	.396	- 12	c	3	W		
13224	34° 4252	200531		00.9	+34	50	8.2	.06	+ 11	c	2	L		
13225	29401	200775		01.0	+67	58	7.2	.010	- 3.3	b	43	WV	Em -2.6 b *	
13226	29403	200595		01.0	+45	39	6.2	.008	- 12	c	9	VW	SB (58) *	
13227	29407	200494		01.1	+02	44	7.9	.148	+ 5.5	b	3	W		
13228	29408	200577		01.1	+38	28	6.2	.014	-* 3.0	b	3	W		
13229	29413	200563		01.3	+23	48	7.4	.017	- 8.9	b	3	W		
13230	3° 4492	200535		01.3	+03	53	8.5	.015	- 28.3	b	3	W		
13231	29414	200578		01.4	+28	54	7.0	.022	- 26.0	b	4	D		
13232	CC 1253	.....		<u>01.4</u>	-06	20	10.3	.46	- 37	e	2	W	
13233	NGC 7009	200516		01.4	-11	34	7.9	.....	- 46.6	a	21	L	Em PL neb. *
13234	29417	200497		01.4	-06	01	5.9	.013	- 1	c	8	WS	*	
13235	TW Aar	.....		01.5	-02	15	9.3 _v	.....	- 38	c	2	W	SR 79
13236	7/ Cap	200499		01.6	-20	03	4.9	.052	+ 23.8	b	23	3	*	
13237	<i>μ</i> Ind	200365		01.6	-54	56	5.2	.038	+ 11.6	a	5	L		
13238	29421	200565		01.6	+03	47	8.5	.176	- 6.8	b	3	W		
13239	30° 4299	200631		01.6	+30	53	7.8	.018	- 14.5	b	4	W		
13240	29422	200580		01.6	+02	48	8.1	.474	- BA	b	6	WL	*	
13241	29424	200740		01.8	+50	09	6.4	.076	- 22.1	b	4	D		
13242	29427	200753		02.0	+46	40	6.3	.109	- 15	c	10	VF	SB (38) *	
13243	29428	200723		02.0	+41	26	6.3	.054	- 8	c	10	VW	*	
13244	29430	200644		02.1	+05	18	5.9	.013	- 15.7	b	3	W		
13245	R Vul	200687		02.2	+23	37	7.0 _v	.012	- 12	c	3	MiW	Em -17 *	
13240	20434	200661		02.2	+02	45	6.6	.009	- 10.4	b	6	O		
13247	29435	200663		02.2	+02	04	6.4	.108	- 11.7	b	4	D		
13248	29438	200817		02.3	+53	05	6.1	.055	- 27.2	b	3	V		
13240	VY Cyg	.....		02.3	+39	46	<u>10.1</u> _v	.011	- 10.5	b	10	W	Cep 7.86 *
13250	29440	200857		02.4	+55	02	7.2	.008	- 14	c	9	VW	IS -17 c *	

Cat. No.	Star	BLD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		<i>f_r</i>	km/sec					
13251	30° 4307	.....	21	02.6	+30	43	8.3	0.016	gKO	- 23.1	b	4	W	
13252	29447	200779		02.9	+06	53	8.9	.568	dK6	- 66	c	3	W	
13253	29451	200790		03.0	+05	46	6.0	.159	dF7	- 22	c	8	3	*
13254	50° 3259	200925		03.0	+50	36	8.2	.025	gF5	+ 15	c	2	L	
13255	29457	201032		03.1	+63	11	7.3	.016	A5	+ 7.1	a	29	D	Orb. Tanner
13256	ξ Cyg	200905		03.1	+43	44	3.9	.004	cK4	- 19.7	a	39	3	SB *
13257	e ₂₆ Cap	200761		03.1	-17	26	4.2	.100	AO	- 10.9	b	11	LY	*
13258	e ₂₆ 4070	200860		03.2	+27	06	8.7	.227	dG5	- 27.1	b	3	W	
13259	&v Aqr	a o . . .		03.3	-00	25	8.7 _v	. . .	Ne	- 1	c	2	W	Em -25 *
13260	&v 29465	200763		03.4	-32	33	5.3	.012	K2	+ 3.1	b	3	L	
13261	29470	200877		03.5	+15	08	6.6	.140	F5	- 21.2	b	5	D	
13262	30° 4314	.....		03.6	+30	35	8.5	.022	AOn	- 6.4	b	3	W	
13263	29472	200930		03.7	+20	45	6.7	.027	B9	+ 10	c	6	S	
13264	29° 4307	.....		03.7	+30	01	8.5	.029	gM5	- 13.8	b	3	W	
13265	29489	200525		04.2	-73	22	5.8	.547	sgK6	- 14	c	2	L	
13266	29490	200914		04.2	-25	12	4.6	.052	gM1	+ 31.9	a	14	LW	*
13267	47° 3286	201114		04.2	+47	51	7.5	.015	AO	- 16	c	5	D	
13268	29491	201051		04.2	+26	43	6.2	.038	sgK1	- 5.6	b	3	V	
13269	29501	200968		04.4	-14	07	7.2	.388	dK1	- 37	c	4	W	
13270	DT Cyg	201078		04.4	+30	59	6.3 _v	.006	cF6 _v	0.0	a	18	W	Cep 2.50 *
13271	NGC 7026	201192		04.6	+47	39	. . . .	. . . .	Pe	- 40.3	a	13	L	Em. PL. neb.
13272	A 14636A	201091		04.7	+38	30	5.6	5.205	dK6	- 64.3	a	22	4	61 Cyg *
13273	A 14636B	201092		04.7	+38	30	6.3	. . . .	dMO	- 63.5	a	13	4	*
13274	29° 4315	.....		04*7	+30	15	8.7	0.005	G5	- 21	c	4	D	
13275	V Cap	201015		04.7	-24	07	8.6 _v	. . . .	gM5e	- 36	b	3	W	Em -43.8 *
13276	29519	201251		04.9	+47	27	4.9	.005	gK6	- 26.0	a	12	4	*
13277	29521	201343		04.9	+62	43	7.1	.006	K4	- 4	d	1	V	
13278	47° 3294	201269		05.0	+47	59	7.5	. . . .	AO	- 6	d	5	D	SB
13279	TU Aqr	.....		05.0	+01	10	11.4 _v	. . . .	cGO _v	- 5	c	7	W	SR 97 *
13280	29523	201194		05.0	+30	24	7.5	.012	B4	- 19	c	8	DW	*
13281	58° 2226	201344		05.2	+59	13	7.3	.012	AO	+ 11	c	4	D	
13282	NGC 7027	201272		05.2	+42	02	. . . .	. . . .	Pe	+ 8.9	a	28	LPm	Em. PL. neb. *
13283	29530	201196		05.2	+15	27	6.5	.070	KO	- 34.1	b	5	ξ	
13284	29541	201254		05.6	+14	28	6.9	.027	B5	+ 8	c	4	V	
13285	59° 2320	201429		05.7	+59	41	7.5	.037	AO	- 12	c	5	D	
13286	X Cap	201184		05.7	-21	24	5.3	.060	AOn	- 7	c	5	L	
13287	32° 4060	201345		06.0	+33	12	7.8	.011	BO	+ 20	c	5	D	
13288	28° 3996	201346		06.0	+28	26	8.6	.073	KO	- 70.2	b	4	D	
13289	29548	201298		06.0	+06	47	6.4	.016	K6	+ 20.0	b	4	D	
13290	29550	201636		06.1	+71	14	6.0	.121	dFO _n	+ 2.0	b	5	VW	*
13291	29559	201301		06.4	-20	24	6.9	.025	gG7	- 46.1	b	3	W	
13292	29560	201651		06.4	+69	28	8.1	.131	dG8	- 13.7	b	3	W	
13293	V389 C _g	201433		06.5	+30	00	5. to	.027	B8	- 25.8	b	54	V	Orb. Young *
13204	29563	201908		06.5	+77	55	5.9	.039	B9	- 16	c	5	D	SB (28)
13295	29567	201352		06.7	-20	46	6.2	.170	dF1	- 42.7	b	3	W	
13290	CC 1263	.....		06.8	+59	33	13.4	2.14	sdM1	-260	c	5	W	SB (46)
13297	v Aqr	201381		06.9	-11	35	4.5	0.092	gG8	- 11.8	a	5	L	
13298	32° 4069	201505		07.1	+32	34	8.1	.049	gG7	- 24	c	3	W	
13299	29578	201479		07.1	+17	08	9.4	.007	dF5	- 14.7	b	3	W	
13300	38° 4632	201561		07.2	+38	31	7.8	.008	gK1	- 8.6	b	3	W	

Cat. No.	Star	HJD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
13301	22° 4323	201525	21	07.3	+22	44	8.0	0.031	sgF7	- 31	c	2	L	
13302	29582	201507		07.4	+02	44	6.5	.041	F2	- 44.0	b	4	S	
13303	29583	201545		07.5	+19	00	7.0	.039	F7	- 23	c	3	S	
13304	Z Cap	.....		07.8	-16	23	8.7v	.028	gM3e	- 64	c	2	W	Em -72 *
13305	y Equ	201601		07.9	+09	56	4.8	.164	cF1	- 17.0	a	10	LV	
13306	29596	201616		08.1	+09	51	6.0	.021	A2	+ 6.9	b	3	V	
13307	14° 4550	201640		08.1	+15	03	8.1	.016	gK3	+ 10.4	b	3	W	
13308	29598	201733		08.2	+45	18	6.5	.006	B5ne	+ 9.0	b	7	VW	*
13309	A 14708A	201672		08.2	+19	45	8.1	.007	dF2	- 21.1	b	3	W	
13310	A 14708B	.....		08.2	+19	45	8.5	.....	dF2	- 18	c	3	W	
13311	29601	201671		08.3	+22	15	6.9	.017	A0	- 12	c	9	SV	SB *
13312	29603	201888		08.4	+63	05	6.5	.013	B5	- 23.5	b	7	DV	*
13313	V360 Cyg	.....		08.5	+30	28	10.8v	.....	cF8ev	-250	c	10	W	RV 63.3 *
13314	14° 4552	201706		08.6	+15	15	9.2	.038	dGO	+ 11.4	b	4	W	
13315	o Pav	201371		08.7	-70	20	5.1	.052	M2	- 19	c	10	CL	SB *
13316	29608	201834		08.7	+53	22	5.7	.023	B9	- 21.4	b	10	V	
13317	29609	202123		08.8	+73	30	8.8	.511	dK4	+ 9.8	b	3	W	
13318	29610	201836		08.8	+47	29	6.4	.008	B5	- 8.8	b	5	V	
13319	15° 4362	201751		08.8	+15	40	8.7	.038	gK2	- 13.9	b	3	W	
13320	T Cep	202012		08.9	+68	17	5.5v	.077	gM7e	- 12	c	2	WY	Em -26 *
13321	29612	201707		08.9	-14	41	6.4	.036	gFO _n	- 39.2	b	3	W	
13322	29614	201647		09.0	-40	28	5.8	.225	dF5	+ 11	d	1	W	
13323	29616	201819		09.1	+36	06	6.4	.023	Bin	- 6.0	b	6	V	IS -11.0 b *
13324	29620	203836		09.3	+86	50	7.4	.085	A4n	- 1	c	8	DW	*
13325	25° 4478	201860		09.4	+26	07	8.6	.005	G5	- 37.2	b	4	D	
13326	29627	201910		09.5	+40	59	7.3	.018	B5n	- 12.2	b	4	V	
13327	29631	201891		09.7	+17	32	7.3	.903	dF4	- 45.1	b	3	W	
13328	29633	201912		09.7	+29	30	6.8	.013	B6	- 3.8	b	8	VD	*
13329	29636	201889		09.7	+23	58	8.0	.442	dF9	-102.5	b	3	W	
13330	29639	201939		09.8	+30	25	6.8	.070	G8	- 19.6	b	4	D	
13331	29640	201772		09.9	-39	38	5.3	.220	dF4	- 44.2	b	4	L	SB 2-sp
13332	29641	202345		09.9	+75	01	7.0	.007	F5	- 10.3	b	4	D	
13333	29650	202505		10.3	+78	27	7.4	.017	A2	- 14.2	b	4	D	
13334	29652	201901		10.3	-27	49	5.6	.160	gK5	- 42	c	4	W	
13335	29654	201921		10.4	-25	03	7.5	.031	gK2	- 7.6	b	3	W	
13336	29655	202214		10.5	+59	47	5.6	.004	O9	- 16.2	b	14	3	IS -19.0 b *
13337	14° 4556	202017		10.5	+15	23	8.1	.058	dF7	- 68.8	b	5	W	
13338	t Cyg	202109		10.8	+30	01	3.4	.056	gG4	+ 17.4	a	24	5	*
13339	R Equ	202051		10.8	+12	36	8.5v	.018	gM3e	- 54	c	2	W	Em -62 *
13340	29673	202128		11.1	+15	47	6.2	.044	A3n	- 29.6	b	16	3	*
13341	29677	202198		11.2	+33	29	7.1	.017	B8	- 6	c	5	S	
13342	29682	202240		11.4	+36	26	6.0	.023	A5	- 12.8	b	3	V	
13343	29684	202380		11.5	+59	53	7.1	.013	gM2	- 14.5	b	3	W	
13344	BL Agr	.....		11.6	-02	11	11.0v	.....	cK2v	+ 45	c	8	W	SR 85 *
13345	45° 3546	202347		11.9	+45	24	7.5	*.014	B5	- 9.0	b	7	V	
13346	30° 4365	202313		12.0	+30	45	7.6	.052	AO	- 2	c	5	D	SB (33)
13347	29695	202314		12.0	+29	42	6.2	.007	KG	- 4.5	b	7	D	
13348	6 Equ	202275		12.0	+09	48	4.6	.306	dF5	- 15.4	a	28	L	Orb, Aitken
13349	29710	202403		12.4	+40	56	7.2	.040	sgG5	- 11.7	a	10	VW	*
13350	29711	202443		12.4	+52	50	7.3	.021	K1	- §	c	2	V	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	//	km/sec						
13351	29713	202351	21	12.4	+16	16	6.7	0.030	FOn	- 19.5	b	8	DS	*
13352	RR Aqr	202306		12.4	-03	06	8.6v	.017	gM2e	-182	b	3	W	Em -191.0 *
13353	38° 4409	202404		12.5	+39	02	7.3	.036	K1	- 46	d	1	V	
13354	29718	202582		12.7	+64	12	6.4	.106	GO	+ 29.6	b	4	D	
13355	29719	202900		12.7	+78	46	7.0	.008	B3	- 14.0	b	4	V	
13356	29721	202519		12.7	+58	05	7.0	.011	A2	- 4.4	b	5	D	
13357	SW Aqr	.....		12.8	-00	08	<u>10.6v</u>	.076	A3	- 5	d	2	W	RR 0.46 *
13358	V386 Cyg	.....		12.8	+41	30	<u>10.7v</u>	.....	cF8v	- 6	c	20	MdW	Cep 5.26 *
13359	<t> C a p	202320		12.8	-20	52	5.4	.011	gKO	- 5.2	a	11	3	*
13360	r Cyg	202444		12.8	+37	50	3.8	.464	dFOn	- 21.1	b	22	5	*
13361	29727	202369		13.0	-15	23	5.5	.024	gM3	- 37.6	a	14	3	*
13362	29730	202583		13.2	+56	41	7.1	.018	M0	+ 1	e	1	V	
13363	<x Equ	202447		13.3	+05	02	4.1	.102	dF6	- 16.2	b	21	4	SB *
13364	29739	202616		13.5	+51	04	7.1	.010	KO	0	d	1	V	
13365	29742	202466		13.6	-09	25	6.8	.014	gM4	+ 8.0	b	3	W	
13366	AC Aqr	.....		13.8	-02	26	<u>11.2v</u>	.....	gF7v	- 15	c	5	W	SR 64 *
13367	15° 5938	202495		13.8	-15	02	8.0	.026	Aln	- 9	c	4	W	
13368	29750	202654		13.9	+47	46	6.3	.034	B5n	- 26	d	9	V	SB
13369	29761	202560		14.3	-39	04	6.6	3.467	dM1	+ 23	c	3	W	
13370	13° 4658	202644		14.5	+13	45	7.4	0.021	B3	- 14.2	b	6	D	
13371	29766	202720		14.6	+42	03	6.5	.028	K2	+ 8.2	b	4	D	
13372	21° 4508	202712		14.9	+22	18	8.2	.024	sgF4	+ 3	d	2	L	
13373	l Mic	202627		14.9	-32	23	4.8	.056	AOn	- 1	c	8	L	
13374	29781	202671		15.2	-18	12	5.4	.014	B8	- 11.1	a	8	LW	*
13375	29784	202811		15.3	+34	13	7.4	.017	K5	+ 6	d	1	V	
13376	<r Cyg	202850		15.4	+39	11	4.3	.006	cAO	- 4.1	a	135	5	IS -9 c *
13377	29787	202751		15.5	-00	03	8.5	.485	dK6	- 28	c	5	W	
13378	29789	202923		15*5	+53	47	6.0	.045	AO	- 8	c	3	V	
13379	29792	203501		15.5	+81	01	6.0	.004	A2	- 1.2	b	4	V	
13380	29795	202815		15.6	+17	25	7.7	.019	gF2	- 1	c	3	W	
13381	29798	202987		15.7	+55	35	6.2	.020	gK4	- 18.8	b	9	W	*
13382	29799	202783		15.8	-12	29	8.0	.037	dF7	- 18.5	b	3	L	
13383	y cyg	202904		15.9	+34	41	4.4	.010	B3ne	+ 4	c	18	3	IS -16.1 b *
13384	29804	203025		15.9	+58	24	6.4	.004	B3e	- 17.2	b	42	W	IS -18.8 a *
13385	29811	202907		16.1	+17	31	7.6	.037	gK1	+ 4.8	b	3	W	
13386	29812	202908		16.2	+11	22	7.0	.039	dF8	+ 6.2	b	12	W	Prel. orb. *
13387	29814	202926		16.2	+17	47	7.2	.041	dF3	+ 9.0	b	3	W	
13388	59° 2350	239626		16.3	+59	54	9.7	.026	BO	- 19	d	2	Md	IS -22 c
13389	29816	203399		16.3	+76	48	6.2	.020	gK5	+ 15.0	b	3	W	
13390	6 Ind	202730		16.3	-53	40	4.6	.125	A5E	- 14.5	b	4	L	
13391	2S820	202975		16.4	+24	27	6.8	.032	KD	+ 12	c	3	S	
13392	29821	202951		16.4	+10	59	6.3	.034	K6	- 37.0	b	4	D	
13393	29822	202890		16.5	-16	23	6.9	.036	gG7	- 35.9	b	3	W	
13394	29823	203064		16.6	+43	44	5.1	.009	O8n	+ 1	c	40	5	IS -13.3 a *
13395	2° 4338	.....		16.6	+03	00	9.5	.....	RL	- 50	c	2	W	
13396	33 ^h 4223	.....		16.6	+33	35	9.0	.....	gF5	- 28.7	b	4	W	
13397	YZ Cap	.....		16.8	-15	20	<u>11.0v</u>	.....	.....	- 75	d	1	W	RR 0.27
13398	25° 45G7	203G30		16.8	+26	02	8.5	.163	G5	- 13.9	b	4	D	
13399	2982S	203015		16.9	+17	37	6.0	.074	F2	+ 4.5	b	8	DS	*
13400	53° 2593	203135		16.9	+53	58	7.4	.043	gK3	- 42	c	3	LV	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
13401	T Ind	202874	21	16.9	-45	14	7.7v	0.006	N	+ 2.3	b	3	L	SR 320
13402	A 14847A	202940		16.9	-26	34	6.5	.648	dG4	- 30	c	6	W	SB (40)
13403	A 14847B	.....		16.9	-26	34	9.0	.....	dG6	+ 2	d	2	W	
13404	29836	203096		17.0	+40	50	6.2	".013	A5	+ 7.0	b	3	V	
13405	29839	203137		17.1	+49	51	7.2	.023	K5	- 9	d	1	V	
13406	29846	204149		17.4	+84	03	7.1	.022	gKO	+ 4.5	b	3	W	
13407	29847	203156		17.4	+38	02	5.8	.009	F2	- 7	c	9	YS	SB *
13408	oc Cep	203280		17.04	+62	22	2.6	.156	A3n	- 10	c	17	4	*
13409	29850	203040		17.4	-20	03	9.2	.748	dK6	+ 21.1	b	3	W	
13410	e Mic	203006		17.8	-41	01	4.9	.078	A2p	+ 2.3	b	7	L	
13411	12 ^d 4600	203140		17.7	+12	45	7.3	.018	gMO	- 16.5	b	3	L	
13412	29855	203400		17.7	+65	57	8.1	.162	dG6	- 36.2	b	3	W	
13413	29856	203245		17.8	+49	18	5.6	o015	B5	- 23	c	7	V	SB (29)
13414	29860	203338		17.9	+58	25	5.6	.002	gM1+B3	- 20.6	b	3	W	*
13415	29861	203374		17.9	+61	39	6.6	.025	BOne	- 7	c	9	VW	IS -17.1 b *
13416	29864	203206		18.0	+21	49	6.2	.011	B9	- 17.1	b	5	V	
13417	29866	203376		18.0	+58	07	7.0	.029	K3	- 11	d	1	V	
13418	29871	203378		18.2	+55	14	7.2	.014	gM6	- 27	d	2	L	SB (40)
13419	29872	203142		18.2	-21	02	7.1	.067	dFO	- 7.0	b	3	W	
13420	29875	203467		18.3	+64	40	5.2	.006	B3ne	- 18	c	11	3	IS -14.4 b *
13421	A 14878A	2C3380		18.4	+52	46	7.4	.062	dF6	+ 33.6	b	4	W	
13422	A 14878B	.....		18.4	+52	46	7.7	.....	dG5	+ 33.0	b	3	W	
13423	K 18-390	.....		18.4	+59	47	10.8	.....	B2	- 49	e	2	Md	IS -39 e 1
13424	29877	203222		18.5	-04	46	6.0	.021	gG7	- 6.0	b	3	W	
13425	29880	203291		18.6	+07	08	6.0	.040	gM2	- 19.9	b	8	VW	*
13426	x Peg	.....		18.6	+14	14	8.8v	.....	gM4e	- 56	c	2	W	Eni -66 *
13427	29881	203358		18.7	+32	14	6.4	*.059	G5	- 28.5	b	4	D	
13428	29884	203344		18.8	+23	39	5.8	.267	gG8	- 88.8	b	3	W	
13429	29887	203345		18.9	+10	07	6.9	.047	F7	+ 11	c	3	S	SB (20)
13430	60° 2223	203534		19.0	+60	25	7.5	.020	K3	- 31	d	1	V	
13431	29889	203454		19.1	+40	08	6.5	.208	dF8	+ 1.2	a	15	V	Orb. Plaskett
13432	DM Cyg	.....		19.1	+31	59	10.4v	.....	.....	-25	d	1	W	RR 0.42
13433	29891	203551		19.1	+60	28	6.7	.011	F5	- 14.2	b	5	D	
13434	T Cap	203349		19.3	-15	22	10.2v	.012	gM3e	+ 42	c	2	W	Eml. +35 *
13435	29896	203439		19.3	+32	24	6.0	.018	A0	- 3.0	a	34	V	Orb. Harper
13436	29898	203574		19.3	+60	33	6.2	.042	G8	- 26.6	b	5	D	
13437	29900	203364		19.3	-09	32	6.9	.046	gK3	- 51.7	b	4	W	
13438	61° 2118	203600		19.4	+62	19	8.0	.019	sgF5	- 17	c	2	L	
13439	t Cap	203387		19.5	-17	03	4.3	.033	gG6	+ 11.5	a	11	LC	*
13440	29914	203504		19.8	+19	35	4.2	.123	gKO	- 76.2	a	13	3	*
13441	M2 Cyg	.....		19.9	+37	15	11.8v	.....	.....	- 52.0	b	10	W	Cep 21.2
13442	29920	203522		20.1	+02	42	6.6	.010	F8	- 13	d	3	S	SB (35)
13443	29921	204129		20.1	+80	08	7.7	.188	dF4	+ 27.7	b	3	W	
13444	29923	203475		20.1	-22	53	5.7	.038	gM1	- 7	c	3	W	
13445	29925	203525		20.3	-09	32	6.2	.040	gMO	+ 18.2	b	7	W	
13446	29926	203644		20.3	+49	10	5.9	.073	gKO	- 1.7	b	8	VW	*
13447	3 Eqw	203562		20.4	+06	36	5.1	.052	A2	- 11.1	a	23	4	*
13448	29933	203630		20.5	+30	06	6.3	.011	K1	- 24.9	b	4	O	
13449	YY Cyg	.....		20.6	+42	11	8.5v	.028	N	- 10	d	1	W	SR 388
13450	41" 4115	.....		20.6	+41	39	9.1	.054	gK4	- 24	c	4	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'			km/sec						
13451	29936	203837	21	20.6	+64	09	7.5	0.026	K5	+ 4	d	1	V		
13452	15° 4404	203631		20.8	+16	17	7.6	.023	gK5	- 67.9	b	3	W		
13453	29939	203696		20.8	+38	25	6.4	.024	A0	- 15.3	b	3	V		
13454	29941	203712		20.9	+40	43	7.3	.012	gM6	- 50	c	4	WL	*	
13455	40° 4503	203731		20.9	+40	29	7.4	.007	B3ne	+ 5.1	b	5	V	IS -9 c	
13456	9° 4793	203664		21.0	+09	43	8.3	.024	B3n	+ 40	c	13	L	IS +8 c	
13457	29947	203699		21.2	+13	50	6.7	.015	B5e	- 13.0	b	7	WV	*	
13458	29950	203585		21.2	-41	13	5.9	.028	AOnp	+ 11	c	5	L		
13459	29953	203638		21.3	-21	04	5.5	.131	gK2	+ 22.0	a	10	3	*	
13460	29955	203784		21.4	+37	11	6.6	.049	F7	- 26.8	b	7	S		
13461	29965	203803		21.7	+24	04	5.7	.133	dFO	- 18.4	b	5	W		
13462	29966	203857		21.8	+37	08	6.6	.015	K5	- 2.9	b	4	D		
13463	29968	203858		21.9	+25	06	6.2	.034	A1+A1	- 18.5	a	29	V	Orb. *	
13464	29969	203842		22.0	+09	57	6.4	.072	gF4n	- 33.2	b	3	V		
13465	29973	203886		22.1	+24	19	6.4	.079	K0	- 23.8	b	4	D		
13466	29976	203843		22.3	-03	37	6.4	.051	gA9	- 23.2	b	3	W		
13467	8° 5645	203844		22.3	-08	24	8.0	.167	dG1	- 18	c	2	L		
13468	y Pav	203608		22.3	-65	36	4.3	.805	F8	- 30.2	a	13	LC	*	
13469	29980	203925		22.3	+25	58	5.7	.044	dF1	- 3	c	9	VW	SB *	
13470	29993	203926		22.7	-03	46	5.7	.073	gK4	- 24.5	b	3	W		
13471	29997	203991		22.8	+18	15	7.5	.005	A0	- 2	c	4	D		
13472	60° 2233	204150		22.9	+60	36	7.6	.030	BO _n	- 37	d	1	W	IS -8 d	
13473	54° 2533	204116		22.9	+55	10	8.0	.015	BO _n	- 23	c	2	W	IS -16 c	
13474	30005	204131		23.2	+49	06	6.4	.021	AO	+ 0.5	b	3	V		
13475	62° 1935	204211		23.2	+62	47	7.2	.014	AO	- 11.2	b	4	O		
13476	30008	204041		23.3	+00	19	6.5	.039	AO	- 9	c	3	V		
13477	57° 2322	204231		23.4	+57	52	7.1	.164	F8	- 41.3	b	5	D		
13478	30013	204153		23.5	+46	30	5.5	.198	dA7n	+ 0.7	b	9	WV	*	
13479	30016	204172		23.7	+36	27	5.8	.005	BO	+ 2.8	b	6	WV	IS -12 c *	
13480	S Mic	204045		23.8	-30	04	<u>9.9</u> _v	...	gM3e	+ 49	c	2	W	Em +39 *	
13481	t Cap	204075		23.8	-22	38	3.9	.024	cG4	+ 3.0	a	23	CL	*	
13482	30021	204018		23.8	-42	46	5.6	.056	A3p	+ 18.3	b	5	L		
13483	30022	204121		23.9	+00	53	6.4	.182	dF5	+ 11	c	3	W		
13484	AC3° 2561	.....		24.1	+03	30	10.2	.10	aM1	+ 2	c	2	W	Star 36
13485	30023	204188		24.1	+19	09	6.1	.077	A3	- 11.4	a	18	V	Orb. Harper	
13486	SX Pav	203881		24.3	-69	43	5.5	.094	M6	+ 42.9	a	6	L		
13487	30027	204139		24.4	-21	25	6.0	.040	gK5	+ 23	c	3	W		
13488	30035	204277		24.8	+15	54	6.8	.103	F8	+ 13.8	b	3	S		
13489	AO Peg	.....		24.8	+18	23	12.2 _v	.....	.....	+115	d	1	W	RR 0.55
13490	30040	204411		25.1	+48	37	5.3	.060	A3	- 12.5	a	10	3	W	*
13491	30044	204403		25.3	+36	54	5.2	.003	B3	- 20	c	16	4	IS -14 c *	
13492	30048	204414		25.5	+27	23	5.4	.045	AO	- 8.0	b	14	3	*	
13493	30050	204415		25.5	+21	31	7.0	.039	G5	- 17.2	b	3	S		
13494	30059	204381		25.9	-22	02	4.6	.136	gG5	- 22.2	a	14	3	*	
13495	30060	204445		25.9	+07	59	6.7	.029	M2	- 5.0	b	4	D		
13496	30063	204485		26.0	+32	00	5.7	.144	dF2	- 24.4	a	10	VW	*	
13497	30065	204599		26.0	+59	32	6.4	.018	M2	- 15.9	b	4	i)		
13493	30068	204536		26.1	+46	21	6.9	.005	B5	- 15.0	b	6	V		
13499	30069	205072		26.4	+80	18	6.1	.046	gG6	+ 3.3	b	3	W		
13500	30076	204580		26.7	+17	41	6.4	.020	K3	- 12.1	b	4	D		

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
13501	30078	204585	21	26.7	+21	58	6.2	0.042	gM4	- 22.0	b	6	DW	*
13502	LYe 24	.....		26.7	+11	58	12.5	.. .	dMO	-247	c	3	W	
13503	30081	204770		26.8	+66	35	5.4	.0*23	B7n	+ 3	c	19	4	*
13504	30083	204734		26.9	+64	10	8.8	.282	dKO	- 9.7	b	3	W	
13505	C 2791	204627		27.0	+25	14	8.6	.224	dG5	- 15.5	b	3	W	
13506	30091	204642		27.1	+28	22	6.8	.126	K2	+ 18.9	b	4	D	
13507	30095	204577		27.2	-19	22	6.5	.053	gF2	- 11.9	b	3	W	
13508	30098	204587		27.3	-12	44	9.4	1.055	dMO	- 86.7	b	3	W	
13509	30100	204722		27.3	+44	07	7.5	0.010	B3ne	.....	..	1	We	IS -12 c
13510	CC 1285	.....		27.3	+17	25	10.4	1.07	dM4	+ 1	c	6	WMd	*
13511	N 7078-1	.....		27.5	+11	57	14.4v	.....	A9v	-153	d	2	W	1.44
13512	NGC 7078	204688		27.6	+11	57	7.3	.....	dFO	-114	c	13	4	Glob. cl. *
13513	N 7078 nb	.....		27.6	+11	57	.....	.....	.....	-122	c	2	W	Em PL neb.
13514	30108	204771		27.6	+46	19	5.3	0.111	sgKO	- 18.7	a	9	3	#
13515	30109	204724		27.7	+23	25	4.8	.015	gM1	- 18.9	a	9	3	*
13516	30110	204712		27.7	+12	03	7.7	.165	dF5	- 23	c	5	W	
13517	30111	204889		27.7	+61	13	7.1	.024	F5	- 13.2	b	5	D	
13518	CC 1287	204814		27.9	+45	40	7.9	.55	dG9	- 83.7	b	3	W	
13519	30116	204692		27.9	-14	31	6.8	.030	gK2	+ 3.2	b	3	W	
13520	3 Cep	205021		28.0	+70	20	3.3	.014	B1	- 8.2	b	765	5	A 15032A *
13521	A 15032B	.....		28.0	+70	20	7.8	.....	A4n	- 6	c	16	YW	*
13522	30119	204860		28.1	+45	16	7.0	.021	B5n	- 1	c	7	V	IS -11 c
13523	30120	204905		28.2	+52	43	7.2	.017	A0	- 14	c	8	VW	SB (68) *
13524	59° 2387	204964		28.4	+60	09	7.5	.016	B3	- 19	c	6	W	IS -13 c 4
13525	45° 3566	204933		28.6	+46	19	8.3	.013	dA8	- 10.9	b	4	W	
13526	30129	204832		28.7	+05	21	8.5	.018	gM3	- 5.7	b	3	W	
13527	30131	204965		28.7	+52	44	6.1	.027	A0	- 17	c	5	V	SB
13528	30132	205234		28.7	+76	11	7.7	.010	A6n	- 3.7	b	..	V	Orb. Harper
13529	30133	204862		28.7	+11	55	5.9	.020	A0	- 10	d	7	V	SB 2-sp
13530	0 Aqr	204867		28.9	-05	48	3.1	.017	cGO	+ 6.5	a	54	5	*
13531	£ Gru	204783		28.9	-41	24	5.4	.016	K5	- 7.8	a	5	L	
13532	33° 4282	205025		29.5	+34	19	8.2	.021	sgF3	- 17.3	b	3	L	
13533	42° 4123	205060		29.6	+42	29	7.1	.017	B5e	- 7	c	8	V	
13534	CC 1289	.....		29.6	00	00	9.7	.48	dKO	- 78	c	2	Md	
13535	30150	205139		29.6	+60	14	5.5	.004	B1	- 14.5	b	13	3	IS -16.2 b *
13536	30157	205114		29.8	+52	24	6.2	.007	cG2p	- 23.2	b	8	VW	
13537	30162	205196		30.1	+57	17	7.4	.010	B0	- 14	c	16	VW	IS -19 c *
13538	30164	205087		30.2	+23	10	6.4	.032	B9	- 16	c	4	V	
13539	n 5ii7	205211		30.6	+44	23	.....	.....	P	- 25.8	b	6	L	Em PL neb.
13540	A 15076B	.....		30.7	+20	29	8.2	.038	dF7	+ 11	c	3	W	
13541	A 15076A	205160		30.7	+20	29	7.6	.039	dF4	+ 15.5	b	3	W	
13542	30173	205212		30.7	+42	04	7.2	.057	KG	- 19	d	1	V	
13543	35° 14849	.....		30.7	-35	39	10*6	.44	sdF	+103	d	1	Md	
13544	30174	205201		30.7	+32	33	7.2	.010	B9n	- 2	c	6	S	
13545	67° 1324	.....		30.9	+68	09	8.7	.03	gK2	- 20.4	b	3	W	
13546	NGC 7089	205146		30.9	-01	03	7.3	.....	dF2	- 3	c	10	LLw	Glob. cl. *
13547	N 7089-1	.....		30.9	-01	02	13.2v	.....	GOv	- 23	c	2	W	15.6 F8-G2
13548	N 7089-5	.....		30.9	-01	03	13.2v	.....	FBv	- a	c	2	W	17.6 F8-G0
13549	N 7089-6	.....		30.9	-01	04	13.2v	.....	F9v	+ 13	c	2	W	19.3 F0-G2
13550	30178	205132		30.9	-16	25	7.1	.110	dF4	- 39.0	b	3	W	

Cat. No.	Star	ELD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	//	km/sec						
13551	N 7089-11	.....	21	31.0	-01	03	<u>12.5v</u>	.....	F9v	- 4	b	22	W	33.6 F5-G3
13552	.....	.....		31.1	+39	24	.....	.....	P	+ 10	c	2	L	Em PI neb
13553	30185	205314		31.2	+49	45	5.8	0.023	AOn	- 33	d	5	D	SB (72)
13554	30189	205349		31.4	+45	38	6.6	.005	K2	- 5.2	b	4	D	
13555	30204	105289		32.0	-20	18	5.8	.051	dF2	+ 6.0	b	3	W	
13556	P Cyg	205435		32.1	+45	22	4.2	.094	gG5	+ 6.9	a	19	4	*
13557	30208	205306		32.1	-20	29	7.0	.061	dF6	- 12.7	b	4	W	
13558	30211	205420		32.3	+22	32	6.4	.041	F8	+ 14.2	a	11	SV	*
13559	30212	205342		32.4	-23	41	6.4	.074	gG7	- 14.9	b	4	W	
13560	30218	205423		32.7	-04	12	5.8	.011	gG9	- 1.8	b	3	W	
13561	30219	205512		32.7	+38	19	5.0	.155	gG7	- 65.9	a	17	4	*
13562	30220	205551		32.7	+51	28	6.0	.005	B9ne	- 22	c	5	W	
13563	30229	205539		33.1	+27	58	6.4	.131	F3	- 42.2	a	32	V	Orb. Harper
13564	30231	205541		33.2	+24	14	6.1	.012	A3	- 28	d	3	V	SB 2-sp
13565	30237	205741		33.4	+66	30	7.0	.043	gK1	- 13.2	b	4	W	
13566	30240	205776		33.6	+66	33	7.2	.016	gK2	- 12.6	b	3	W	
13567	30241	205603		33.7	+14	52	6.7	.110	G5	- 0.4	b	3	S	
13568	60° 2267	205777		33.8	+60	41	10.3	... »	N	- 15	c	2	W	
13569	47° 3487	.....		34.0	+47	41	9.1	.....	B3ea	- 30	d	8	V	Em +25 P-Cyff
13570	30246	205688		34.1	+29	50	6.5	.091	G8	- 19.7	b	4	D	
13571	56° 2598	205794		34.1	+57	14	8.7	.029	B3	- 14	e	1	W	IS -11 d
13572	W Cyg	205730		34.1	+45	09	5.0v	.055	gM4e	- 14.4	a	142	Mi	Em -20.6 *
13573	e Cap	205637		34.3	-19	41	4.7	.009	B5ep	- 23.7	a	16	3	IS -22 c *
13574	AB Cyg	205733		34.4	+31	53	7.4v	.034	gM4	- 7	c	4	W	SR 217
13575	30257	205850		34.5	+57	15	8.8	.020	gF2	- 15.0	b	3	W	
13576	30259	205746		34.7	+11	30	7.2	.008	A0	+ 12	c	6	S	
13577	AQ Peg	.....		34.9	+13	15	10.0v	.....	A2e	- 8	b	37	Md	EA 5.55 *
13578	30263	205835		34.9	+40	11	5.1	*.V13	A5n	+ 7	c	15	3	*
13579	30265	205765		35.0	-00	37	6.3	.029	A1n	+ 16.9	b	3	W	
13580	§ Aqr	205767		35.1	-08	05	4.8	.112	A5	- 18	c	20	3	*
13581	30270	205811		35.2	+06	24	6.3	.055	A0	+ 3	c	10	VS	SB *
13582	30273	205837		35.3	+14	59	7.5	.041	gG4	- 29	c	2	L	
13583	30274	205852		35.4	+19	06	5.3	.103	dA5n	- 25	c	12	3	*
13584	30277	205966		35.5	+50	50	7.4	.023	gK4	- 23.2	b	3	LV	*
13585	30278	205939		35.5	+44	28	6.1	.028	A6	+ 4	c	7	OV	*
13586	CC 1298	205855		35.6	-02	31	8.8	.526	dK6	+ 7.2	b	3	W	
13587	CC 1299	.....		35.7	+27	30	9.8	.44	dM0	- 12	c	2	Md	
13588	30283	205941		35.8	+32	58	7.5	.113	dG8	- 29.6	b	3	W	
13589	30286	206078		35.8	+62	05	7.7	.130	gG6	- 74.9	b	3	W	
13590	S Cep	206362		35.9	+78	24	7.1v	.013	Ne	- 34	c	3	W	Em -47 *
13591	32° 4216	205967		35.9	+32	54	7.6	.019	gG5	+ 9.0	b	3	W	
13592	30288	206040		36.0	+53	49	6.2	.020	G8	+ 1.5	b	4	D	
13593	v Oct	205478		36.0	-77	37	3.7	.237	K0	+ 34.4	a	21	LC	Orbits *
13594	3G29Q	205998		36.0	+40	51	7.4	.056	gfC5	- 37.4	b	3	LV	*
13595	30291	205924		36.0	+05	33	5.8	.112	dA6n	- 18.5	b	9	DW	*
13596	\$0298	206027		36.5	+25	16	6.3	.024	G5	- 13.5	b	4	S	
13597	30302	206165		36.6	+61	51	4.9	.004	cB2	- 13.2	b	13	3	IS -22.2 b *
13598	3Q307	206043		36.7	+20	02	5.8	.108	dA5n	- 12.9	b	4	W	
13599	56° 2614	206183		36.9	+56	46	8.1	.022	B0	- 4	e	1	W	IS-Bd
13600	3G314i	20S058		36.9	-00	17	6.8	.229	dF7	- 28	c	6	W	SB (S5)

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'									
13601	30315	206067	21	37.0	+02	01	5.3	0.088	gG9	- 34.7	a	12	3	*	
13602	30° 4496	206137		37.3	+31	19	8.1	.032	dF5	- 27.3	b	3	W		
13603	v Cap	206088		37.3	-16	53	3.8	.186	dF2	- 31.2	a	18	CL	*	
13604	45° 3618	206212		37.4	+45	57	7.6	.....	A0	- 16.3	b	5	D	
13605	30322	206267		37.4	+57	16	5.6	.002	O6n	- 7.8	a	123	MiV	IS -18.8 a *	
13606	30325	206311		37.5	+64	10	7.4	.029	gK5	- 7.8	b	6	LV	*	
13607	NGC 7099	206107		37.5	-23	25	8.6	.....	A7n	-164	c	6	LLw	Glob. cl. *
13608	60° 2276	206327		37.6	+61	20	8.5	.006	B2	- 30	c	3	W	IS -18 d 1	
13609	A 15186A	206224		37.6	+41	30	8.1	.....*	dG9	- 15.3	b	3	W	
13610	A 15186E	206225		37.6	+41	30	8.7	.....	dG7	- 18.4	b	3	W	
13611	18° 5992	206144		37.8	-17	50	9.1	.010	B3n	+ 76	c	6	L		
13612	30330	206146		37.8	-19	07	7.4	.017	gMO	- 1.5	b	3	L		
13613	30334	206280		38.0	+44	12	6.7	.022	B9	- 12.8	b	6	D		
13614	30335	206312		38.1	+48	54	7.3	.019	K0	- 19	d	1	V		
13615	69° 1189	206507		38.2	+70	14	8.0	.....	dF5	+ 8	c	2	L	
13616	30338	206330		38.2	+43	03	5.4	.058	gMO	- 28.3	a	18	4	*	
13617	30344	206554		38.5	+71	05	7.1	.131	dF5	- 7.3	b	4	W		
13618	30353	206482		38.8	+57	21	7.1	.048	dF4	- 21.8	b	8	DW	*	
13619	21° 4599	206367		38.8	+22	00	7.4	.018	gM2	- 17	c	2	L		
13620	30354	206301		38.8	-14	16	5.3	.328	dG1	- 1.2	a	142	CW	Orbits *	
13621	30355	206374		38.8	+26	31	7.4	.361	dG3	- 40	c	4	W		
13622	CG Peg	.....		39.0	+24	33	10.7v	.....	.....	+ 5	d	1	W	RR 0.47
13623	30362	206509		39.1	+54	39	6.2	.005	K0	+ 4.1	b	4	D		
13624	30364	206403		39.1	+21	43	6.9	.024	A0	- 19	e	1	V		
13625	30365	206356		39.2	-23	29	5.3	.133	gG9	- 43.8	b	8	3	*	
13626	30369	206523		39.3	+47	19	7.4	.021	K0	+ 5	d	1	V		
13627	30371	206404		39.4	+00	07	7.7	.063	dF6	+ 17.2	b	3	W		
13628	30376	206538		39.6	+40	35	6.0	.047	AOn	+ 3	d	6	W	SB (43) *	
13629	30377	206445		39.6	+01	03	5.8	.006	gK4	+ 10.2	b	5	W		
13630	18° 4841	206485		39.6	+18	43	7.6	.081	gG7	- 10	c	2	L		
13631	30378	206487		39.8	+05	27	5.6	.011	gM2	- 3.7	b	4	W		
13632	30380	206469		39.8	-08	42	8.2	.034	dF4	+ 18	c	2	L		
13633	K Cap	206453		39.9	-19	06	4.8	.144	gG4	- 3.1	a	8	L		
13634	V360 Cyg	206570		39.9	+35	17	6.3v	.009	N	+ 9.8	b	5	LW	Irr *	
13635	30386	206540		40.1	+10	36	6.0	.018	B8	+ 5.5	b	7	SV	*	
13636	30390	206632		40.2	+45	32	6.5	.013	M4	+ BS	b	4	D		
13637	30391	206672		40.3	+50	58	4.8	.002	B3	- 8.2	b	33	F	IS -12.7 b *	
13638	30394	206644		40.4	+40	51	5.5	.018	AO	- 24.5	b	65	V	Orb. Harper	
13639	30396	206546		40.4	-19	51	6.2	.076	A8+A8	- 25.0	a	34	W	Orb. Sanford	
13640	30405	206646		40.6	+23	06	6.9	.029	KG	- 6	c	2	S		
13641	SS Cyg	206697		40.7	+43	21	8.2v	.....	Pec	- 62	d	11	Me!	Em SB (210)
13642	30407	206731		40.8	+49	22	6.1	.008	gG5	- 2.4	b	7	£W	>*	
13643	30408	206773		40.8	+57	30	7.0	.012	BOne	- 22	c	8	VW	j IS -17.2 b *	
13644	30412	206749		41.1	+40	56	5.5	.030	gM2	- 22.5	b	12	3	1*	
13645	-0° 4257	206660		41.1	+00	18	7.1	.027	gGB	- 29.9	b	j	3	W	
13646	30415	206952		41.2	+71	05	4.8	.154	gK1	- 36.6	b	1	B	LB	*
13647	RV Cyg	206750		41.2	+37	47	7.1v	.005	N	+ 2	b	1	5	W	SR 75
13648	30417	206823		41.2	+54	20	7.2	.008	K5	- 49	d	j	1	V	
13649	30418	206842		41.3	+59	02	6.2	.012	K2	- 1.9	b	j	4	D	
13650	30419	206677		41.3	-14	59	5.9	.030	A3n	- 4	d	j	3	W	JSB (49)

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
13651	30421	206774	21	41.4	+38	03	5.6	0.033	AOn	- 22.8	b	7	V	
13652	30425	206807		41.5	+38	05	6.9	.031	AO	- 18	c	4	S	
13653	27° 4145	206792		41.6	+27	38	8.0	.098	dF5	- 56.8	b	3	W	
13654	e Peg	206778		41.7	+09	39	2.5	.025	cKO	+ 4.7	a	95	13	*
13655	A 15270B	206827		41.9	+28	31	6.1	.315	dF3	+ 16.5	b	3	W	
13656	V- Cyg	206826		41.9	+28	31	4.7	.375	dF6	+ 18.0	a	19	4	A 15270A *
13657	L PsA	206742		42.0	-33	15	4.4	.100	A0	+ 1.9	b	7	L	SB 2-sp
13658	li Cep	206936		42.0	+58	33	3.6v	.002	cM2e	+ 19.3	a	137	4	SR *
13659	30442	206874		42.1	+28	33	6.9	.052	dA9	+ 4.7	b	19	W	Orb. Sanford
13660	CC 1306	.....		42.1	+25	07	9.5	.644	dG8	- 51.2	b	3	W	
13661	30443	206860		42.1	+14	33	6.1	.272	dGO	- 18.9	b	7	SW	*
13662	30444	206859		42.1	+17	07	4.5	.015	cG3	- 22.3	a	13	4	*
13663	RR Peg	206890		42.2	+24	47	8.5v	.....	gM5e	- 30	c	2	W	Em -37 *
13664	30446	206833		42.3	-09	16	7.1	.049	gK3	- 25.8	b	3	W	
13665	29° 4496	206899		42.3	+30	05	8.2	.019	K5	+ 4	c	4	D	
13666	30448	206834		42.3	-09	19	5.3	.015	gG7	- 4.9	a	13	3	*
13667	* Peg	206901		42.4	+25	25	4.3	.034	dF2	- 8.1	a	52	L	Orb. Luyten
13668	30452	207130		42.5	+72	05	5.4	.057	gK1	- 38.5	a	7	L	
13669	40° 4631	.....		42.5	+41	22	10.1	.08	dK6	- 21	c	2	W	
13670	30454	206963		42.5	+46	38	6.6	.034	F4	+ 9.5	b	4	D	
13671	C 2830	.....		42.8	+74	13	9.4	.23	dG7	- 30.1	b	4	W	
13672	29° 4499	206978		42.9	+30	11	8.8	.030	GO	- 13	c	4	D	
13673	58° 2320	239758		43.0	+58	49	9.3	.015	B5ne	+ 11	e	1	Md	IS -11 e
13674	26° 4257	206991		43.1	+26	45	7.2	.018	B9	+ 2	d	5	S	SB (91)
13675	11° 4653	207033		43.5	+11	39	8.5	.113	dGO	- 27.6	b	3	W	
13676	X Oct	206240		43.5	-82	57	5.4	.080	G5	- 10.5	b	4	L	
13677	30473	207198		43.5	+62	14	6.0	.009	O9	- 18.4	b	7	VW	IS -19 c *
13678	30474	207005		43.6	-09	30	6.2	.019	gM3	+ 20.8	b	4	W	
13679	30475	207088		43.6	+35	38	6.6	.093	G6	- 5.0	b	4	D	
13680	30479	207089		43.8	+22	43	5.4	.004	cK1	- 11.9	a	6	LW	*
13681	X Cap	207052		43.8	-11	36	5.4	.026	AOn	+ 1	c	6	LY	*
13682	30482	207076		43.9	-02	27	7.2	.031	gM8	- 37.2	b	3	L	
13683	v Cep	207260		44.0	+60	53	4.5	.003	cA2	- 20.8	b	14	4	IS -22 c *
13684	30484	207061		44.0	-11	56	7.0	.131	dF6	+ 2.3	b	3	W	
13685	30487	207134		44.1	+25	20	6.5	.169	gK2	- 44.9	b	4	W	
13686	S Cap	207098		44.3	-16	21	3.0	.392	A5n	- 6.3	a	69	Y	Orb. Crump
13687	30492	207218		44.3	+42	50	6.4	.018	A0	- 19	c	9	V	
13688	61° 2194	207308		44.3	+62	04	7.9	.017	B3	- 23	c	2	W	IS -21 c
13689	30494	207165		44.4	+13	29	6.6	.046	A6	- 2	c	3	S	
13690	30501	207203		44.7	+02	27	5.5	.009	A0	+ 17.0	b	12	3	*
13691	30502	207223		44.7	+16	58	6.2	.090	F2	- 19.2	b	4	0	
13692	6 PsA	207155		44.8	-31	08	5.1	.028	A2n	+ 13.8	b	4	L	
13693	51 ⁿ 3144	207329		44.9	+51	53	7.4	.024	B2e	- 25	c	4	V	IS -19.7 b *
13694	30512	207330		44.9	+49	05	4.3	.003	B3	- 12.3	b	31	Bb	IS -17.8 b *
13095	30516	207129		45.0	-47	32	5.7	.342	dG5	- 7	d	1	L	
13690	54° 2623	235618		45.2	+55	07	<u>10.0</u>	.040	B1	- 5	d	2	Md	
13697	43° 4048	207431		45.8	+43	46	7.6	.027	AO	- 6	c	6	D	
13698	30526	207528		45.9	+60	28	5.6	.010	gM1	- 19.9	b	3	W	
13699	SO527	207446		46.0	+36	21	6.6	.030	K5	- 31.0	b	4	D	
13700	30529	207636		48.1	+69	55	6.4	.023	AOn	- 2	c	4	D	

Cat. No.	Star	H.D. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			H.A.	DecL									
			h	m	s		//	km/sec					
13701	30530	207538	21	46.1	+59 28	7.0	0.016	09	- 14.6	b	6	VW	IS -14 c *
13702	30531	207229		46.1	-64 57	5.6	.017	K0	- 1	d	1	L	
13703	30532	207469		46.2	+32 34	6.8	.002	A0	- 8	c	6	S	
13704	30534	207489		46.2	+38 43	7.2	.009	cGO	- 57.6	b	3	W	
13705	30537	207516		46.4	+38 25	5.8	.020	B9	- 20	c	2	V	
13706	30538	207435		46.4	-05 38	6.8	.065	gKO	+ 0.3	b	4	W	
13707	<i>o</i> Ind	207241		46.6	-69 52	5.5	.028	M0	+ 20.2	b	4	L	
13708	CC 1314	207491		46.7	+05 29	8.6	.543	dK6	- 10.6	b	3	W	
13709		30550		47.0	-12 57	6.1	.018	gA8	0	c	4	W	
13710		30555		47.1	+20 14	6.2	.014	B3	- 11.9	b	6	V	IS -8 c *
13711		30565		47.6	+29 56	5.0	.029	A0	- 22.9	a	36	V	Orb. Petrie
13712		30566		47.6	+40 55	6.5	.009	cAO	- 2.3	b	6	WV	IS -12 c *
13713		30567		47.7	-16 26	7.8	.151	dG5	- 24	c	2	L	
13714		30569		47.8	+17 03	5.3	.094	dA8n	- 4	c	3	L	
13715		30571		47.9	+61 02	6.4	.021	gM2	- 19.0	b	8	VW	*
13716	24°	4483		47*9	+25 21	7.3	.025	F5	- 11	c	3	S	
13717		30574		48.0	+66 34	6.5	.061	dF2	- 14.2	a	51	V	Orb. *
13718	43°	4060		48.1	+43 43	8.5	•••••	cF8e	- 44	d	1	W	
13719		30576		48*2	+43 39	7.3	.062	K1	- 18	d	1	V	
13720		30579		48.3	+52 28	6.6	.011	B2n	- 8.6	b	5	V	IS -21.4 b
13721		30580		48.3	+32 25	6.9	.072	K0	- 25.6	b	3	S	
13722	64°	1596		48.5	+65 00	7.9	.01	gM3	+ 4A	b	4	W	
13723		30585		48.6	-23 30	6.8	.352	dF5	- 48.5	b	3	W	
13724	AG Peg	207757		48.6	+12 23	6.4v	.008	Bep	- 17.1	a	140	W	Em IS -9 c *
13725	31°	4559		48.7	+32 25	8.5	.025	gK1	- 20	c	3	W	
13726		30590		48.9	-18 51	6.1	.165	dF1	- 41.7	b	3	W	
13727		30593		49.0	+39 18	6.2	.007	B9	+ 0.3	b	4	S	
13728		30594		49.2	+19 35	5.7	.021	B9	- 20.4	b	6	V	
13729	26°	4283		49.3	+26 30	8.0	.066	dF6	- 20	c	2	L	
13730	61°	2208		49.3	+61 34	8.1	.022	B2	+ 8	e	1	W	IS -12 d
13731		30603		49.5	+08 51	7.9	.022	dA9	+ 18	c	3	W	
13732		30604		49.5	+61 23	7.5	.031	A2	- 29.4	b	4	D	
13733	31°	4562		49.6	+31 40	7.5	.015	gK4	- 11.8	b	3	W	
13734	VZ CVK	.....		49.7	+42 54	9.1v	.004	cGOv	- 16.5	b	7	W	Cep 4.86 *
i ^735	AV Peg	.....		49.3	+22 19	9.9v	.....	.....	- 85	c	1	W	RR 0.39
13736	66°	1446		49.9	+66 37	8.3	.01	dF4	- 16	c	6	W	
13737		30617		50.0	+48 12	7.1	.021	K5	+ 36	d	1	Y	
13738	AW Peg	207956		50.0	+23 47	7.2v	.010	A2+F0	0	b	127	LMd	EA 10.8 *
13739		30620		50.1	-04 14	6<<7	.023	fG5	+ 6.9	b	4	W	
13740	CC 1319	207992		50.2	+39 34	8,7	.43	cG5	- 51.7	b	3	W	
13741		30625		50.3	+28 34	5.6	.090	dFO	+ 19.0	b	10	3	*
13742	A 15405B	208063		50.3	+55 33	7.3	.023	A1	- 5.8	b	9	VW	*
13743	A 15405A	208095		50.3	+55 34	5.5	.011	B0	- 6.5	b	23	V	Orb. Pearce
13744		30629		50.4	+65 31	6,4	.014	gA8	+ 4	c	5	V	HD A2+G
13745	61°	2209		50.4	+61 41	8.1	.008	B3	- 24	e	1	W	IS -10 d
13746		30630		5G.5	+64 40	7.2	.038	G7	- 20	d	1	V	
13747	<i>fi</i> Cap	207958		50.6	-13 47	5,2	.303	dFO	- 21.5	b	14	LW	*
13748		30839		50.3	+25 41	5.0	-0G3	B3e	- 12	c	17	4	IS -1 c *
13749	<i>y</i> Gru	207371		50.9	-37 36	3,2	.102	BS	- 2.1	a	18	L	
13750		30641		50.9	-10 33	6.5	.006	B9	- 11.2	b	4	W	

Cat. No.	Star	HJD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	rt	km/sec						
13751	30642	208185	21	50.9	+62	52	7.7	0.003	B3	- 16	e	1	W	
13752	30643	208011		51.0	-20	15	8.1	.131	dF2	- 9.5	b	3	W	
13753	30645	208218		51.2	+62	29	6.8	.020	B1	- 21.8	b	6	VW	IS -16.9 b *
13754	30648	208108		51.3	+19	26	5.8	.016	A0	+ 5.6	b	6	V	
13755	30652	208219		51.4	+55	59	6.9	.028	gG6	- 15	c	4	W	
13756	30653	208110		51.5	+06	38	6.6	.076	GO	- 9.8	b	4	D	
13757	30655	208111		51.6	-04	31	5.9	.103	gK2	- 37.3	b	3	W	
13758	61° 2213	.....		5L6	+62	21	9.5	.....	B3	- 25	a	2	W	IS -3 c
13759	30661	208174		51.7	+28	06	6.7	.196	dA5n	- 7.0	b	9	DW	*
13760	42° 4241	208220		51.7	+43	15	9.0	.....	B0	- 39	e	1	V	IS -33 e
13761	CC 1320	.....		51.8	+41	33	10.1	.53	dM2	- 35	c	2	W	
13762	67° 1370	208376		51.9	+67	52	9.6	.....	A2	- 8.9	b	3	W	
13763	61° 2215	.....		51.9	+62	22	10.0	.....	B3	- 34	d	4	LW	IS -12.7 b *
13764	30663	208202		51.9	+19	29	6.3	.039	K0	+ 4.0	b	4	S	
13765	30664	208177		52.0	-03	32	6.2	.028	F8	- 16	c	4	S	
13766	30666	208411		52.0	+67	52	7.6	.014	gG4	- 2.4	b	3	W	
13767	30671	208392		52.4	+62	23	7.1	.017	B3ne	- 25.7	b	9	3	IS -13.8 b *
13768	44° 3980	208310		52.4	+45	19	8.5	.007	AOn	- 2	c	4	W	
13769	C 2850	208313		52.5	+32	06	7.6	.33	dKO	- 15.9	b	4	W	
13770	61° 2217	208440		52.6	+62	22	8.8	.011	B2	- 14	d	4	LW	IS -9 c *
13771	K 41-2761	.....		52.6	+46	35	10.7	.....	B3	- 54	e	2	Md	IS -17 d
13772	30681	208742		52.8	+79	19	6.8	.023	gM2	- 15.5	b	3	W	
13773	47° 3603	208394		52.8	+47	58	7.4	.050	A5	- 25.4'	b	5	O	
13774	30683	208395		52.9	+45	33	8.5	.006	A0	0	d	4	W	SB (32)
13775	CC 1321	.....		53.1	+32	24	10.8	.73	dG2	-177.9	b	3	W	
13776	30691	208501		53.2	+56	22	6.0	.008	B8	- 15	c	19	YW	*
13777	30692	208502		53.2	+53	42	6.9	.164	dF5	- 3.2	b	4	W	
13778	30694	208472		53*2	+44	11	7.4	.017	K0	+ 17	d	1	V	
13779	LW Cyg	208512		53.4	+50	16	9.8	.013	R3	- 18	c	3	W	
13780	30696	208321		53.4	-37	29	5.6	.021	A2n	+ 28	c	4	L	
13781	44° 3985	208513		53.6	+44	43	7.8	.014	AO	- 16	d	5	W	SB (69)
13782	Ross 662	.....		53.7	+55	54	11.7	.....	sdF6	- 67	c	2	Md	
13783	30702	208606		53.8	+61	18	6.2	".009	gKO	- 32	c	5	D	SB (16)
13784	RX Peg	208526		54.0	+22	37	7.7v	.009	N	- 27	b	4	W	Irr
13785	30710	208527		54.1	+21	00	6.6	.017	K5	+ 2.0	b	5	D	
13786	30712	208682		54.2	+65	05	5.8	.008	B3ne	- 14.5	b	15	VW	IS -13 c *
13787	30714	208552		54.3	+15	53	8.3	.048	dF5	- 21.9	b	3	W	
13788	30719	208565		54.5	+11	50	5.6	.035	AO	+ 15	c	10	VW	*
13789	6 Ind	208450		54.5	-55	14	4.6	.051	FOn	+ 15	c	4	L	
13790	16° 4034	208609		54.7	+17	27	7.3	.022	gK4	- 28	c	2	L	
13791	57° 2431	208745		54.9	+58	23	8.3	.023	dFO	- 8	d	2	L	
13792	30728	208728		55.1	+46	21	7.0	.010	G7	- 15	d	1	V	
13793	30729	208727		55.1	*48	26	6.4	.023	AO	- 16	c	3	V	
13794	VV Cep	208810		55.2	+63	23	6.6v	.005	eM2ep	- 18.7	a	134	3	EA 7430 *
13795	49° 3692	208785		55.5	+50	15	7.6	.003	gK3	- 17	e	2	L	
13790	3074!	208904		55.6	+65	21	7.6	.012	B3	- 17	e	1	W	IS -21 d
13797	SO742	208703		55.6	TM05	40	6.2	.103	ctF2	+ 1.0	b	8	SW	*
13798	30743	208704		55*7	-12	54	7.0	.068	dG2	+ 3.1	to	3	W	
13799	30744	208005		55.3	+61	03	6.9	.014	B2	- 22	c	6	VW	IS -4 c *
13800	52" 307!	235673		55.8	+52	34	9.0	.009	O8	- 40	d	2	Md	IS -23 c

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	o	r		n	km/sec					
13801	30745	208947	21	55.9	+65	55	6.3	0.006	B3	+ 2.4	b	32	V	IS -9.4 b 23
13802	59° 2439	239812		55.9	+59	47	10.2	.037	B8	+ 18	e	2	Md	
13803	46° 3512	208835		55.9	+46	37	7.4	.031	B8	+ 2	d	6	D	SB
13804	30746	208735		55.9	-21	25	6.2	.017	gM4	+ 3.2	b	3	W	
13805	30747	208776		56.0	+03	32	7.1	.293	dF6	+ 24.6	b	4	W	
13806	30749	208971		56.1	+65	54	7.0	.019	gM2	+ 11	c	4	WV	*
13807	30750	208878		56.2	+43	00	7.4	.011	B8	- 21.6	b	4	D	
13808	30753	208737		56.3	-38	38	5.6	.036	K0	- 10	c	2	L	
13809	30755	208801		56.3	-04	37	6.4	.257	dK2	- 44	c	4	Md	
13810	30757	208906		56.5	+29	35	6.8	.536	dF6	+ 8.4	b	5	WV	*
13811	30759	208808		56.5	-23	07	7.4	.061	dF5	- 10.4	b	3	W	
13812	30767	208796		57.0	-56	07	6.2	.017	B9	+ 3	c	4	L	
13813	MR Cver	.....		57.0	+47	45	8.5v	.....	A0+A0	- 25.0	a	4	V	EA 1.68 *
13814	30772	209258		57.4	+74	45	6.6	.008	K5	- 16.6	b	4	D	
13815	30774	209112		57.4	+62	27	6.2	.029	gM3	- 16.4	b	7	DW	*
13816	30779	209008		57.6	+06	29	6.0	.006	B5	- 6.8	b	8	WV	IS -12.4 b *
13817	30780	209124		57.7	+57	25	6.5	.014	AO	- 3	c	6	V	
13818	? PsA	209014		58.0	-28	42	5.4	.014	B8n	- 5	c	5	L	
13819	CM Lac	209147		58.0	+44	19	8.3v	.....	A1	- 17.5	b	14	W	EA 1.60 *
13820	30789	209149		58.2	+32	46	6.5	.065	F5	- 1.6	b	4	D	
13821	BG Lac	.....		58.4	+43	12	9.3v	.....	cGOv	- 19.5	b	9	W	Cep 5.33 *
13822	CC 1329	.....		58.4	+09	43	10.5	.53	dK4	- 16	c	2	W	
13823	30799	209128		58.5	+00	22	5.8	.010	gK4	+ 6.7	b	3	W	
13824	V Peg	209127		58.5	+05	53	7.8v	.005	gM5e	- 25	c	2	W	Em -35 *
13825	30800	209369		58.5	+72	56	5.2	.172	dF3	- 21.0	a	17	4	*
13826	43° 4108	209219		58.6	+43	53	7.5	.006	K5	- 28	d	1	V	
13827	30° 4584	209193		58.6	+31	11	7.0	.056	F2	r 8.1	b	6	D	
13828	30803	209166		58.7	+12	53	5.7	.075	dF2	+ 7.0	b	5	W	
13829	30804	209167		58.7	+08	01	5.8	.013	gK5	- 23.3	b	3	W	
13830	30805	209205		58.7	+31	18	7.5	.005	B9n	+ 6	d	6	D	
13831	30° 4587	209206		58.7	+30	29	8.7	.014	dA8n	- 0.1	b	4	W	
13832	30806	209317		58.7	+65	12	7.2	.006	K5	- 25	d	1	V	
13833	56° 2676	209296		58.9	+56	28	8.1	.006	B5e	- 32	d	7	0	
13834	30811	209260		59.0	+39	00	7.1	.010	AO	- 14.8	b	6	S	
13835	30812	209339		59.2	+62	15	6.5	.010	BO	- 20.2	b	9	WF	IS -12.5 b *
13836	30816	209240		59.4	-18	09	6.4	.127	gG7	- 16.5	b	3	W	
13837	RT Lac	209318		59.5	+43	39	8.8v	.....	G9+K1	- 47.5	b	22	W	EB 5.07 *
13838	€ Ind	209100		59.6	-57	00	4.7	4.692	dK5	- 40.4	a	5	L	
13839	CC 1331	209290		59.7	+01	10	9.2	0.55	dK8	+ 21	c	4	WMd	*
13840	58° 2373	239828		59.7	+59	15	10.0	.004	cB4	- 39	d	2	Md	IS -40 e
13841	30825	209453		59.9	+61	44	7.1	.091	K2	- 6	d	1	V	
13842	60° 2329	209454		59.9	+61	18	7.7	.006	B3n	- 17	c	3	W	m -i6 c 2
13843	30828	209419	22	00.0	+5?	38	5.7	.005	B7	- 22.0	b	7	VW	*
13844	A 15571A	209942		00.1	+82	38	7.1	.144	dF5	- 22.2	b	5	W	
13845	30831	209394		00.1	+30	44	7.2	*Q16	gM2	- m	c	2	L	
13846	A 15571B	209943		00.2	+82	38	7.9	.149	dG5	- 17.5	a	38	W	Orb. Stanford
13847	30837	209481		00.4	+57	46	5.5	.005	O9n	- 11	c	37	4	IS -1L5 a *
13848	30840	209439		00.4	+83	08	6.9	.025	AS	- 7	c	5	D	
13849	» ^e 4591	209440		00.5	+30	31	8.2	.007	A3	+ 4.5	b	4	iw	
13850	30842	209396		00 J	-06	4§	5.6	.040	G5	+ 29.7	b	4	S	

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes	
			R.A.	Decl.									
13851	30843	209469	22	00.7	+42 34	7.1	0.014	B9	- 12.7	b	13	SD	SB *
13852	<i>o</i> Aqr	209409		00.7	-02 24	4.7	.017	B6ne	+ 12	c	19	3	IS 0 c *
13853	30846	209459		00.9	+11 09	5.8	.015	AO	- 0.2	b	6	V	
13854	30848	209515		00.9	+44 24	5.5	.038	B9n	- 1.2	b	6	WY	*
13855	30849	209484		01.0	+29 58	7.0	.014	B9	- 6.3	b	15	3	SB *
13856	29° 4570	209517		01.1	+29 48	7.4	.018	B9n	+ 1.9	b	11	DW	*
13857	30° 4594	209516		01.1	+30 45	8.2	.011	A1	+ 3.4	b	4	W	
13858	30851	209675		01.4	+68 01	8.8	.196	dG8	+ 55.5	b	3	W	
13859	.....	209596		01.5	+45 20	9.5	.....	N	- 18	c	2	W	
13860	30858	209636		01.6	+54 38	7.0	*."oil	B9	- 12	c	6	S	
13861	49° 3726	209637		01.7	+49 32	7.4	.044	K2	- 45	d	1	V	
13862	TW Peg	209598		01.7	+28 06	7.0v	.012	gM6	- 27	c	3	W	SR
13863	RT Peg	209641		02.0	+34 53	9.4v	.....	gM4e	-116	b	4	W	Em -125.9 *
13864	20° 5071	209621		02.1	+20 49	8.8	.011	R3	-381	b	7	W	IS -10
13865	30869	209679		02.1	+44 06	6.6	.004	A1	+ 4	c	6	D	
13866	30872	209625		02.2	-01 09	5.2	.052	gA8	+ 20.4	a	33	L	Orb. *
13867	30874	209744		02.3	+59 34	6.7	.002	B2n	- 17.4	b	7	V	IS -14.6 b 5
13868	A 15600B	209791		02.3	+64 23	6.5	.206	dF7	- 6.2	b	8	VW	*
13869	\ Cep	209790		02.3	+64 23	4.6	.226	A3	- 7.2	b	14	3	A 15600A *
13870	30879	209.693		02.4	+32 42	6.4	.011	G5	- 22.1	b	9	DV	*
13871	30880	209772		02.4	+62 53	5.5	.065	gM5	- 4.3	a	12	3	*
13872	30883	209709		02.6	+14 34	6.7	.018	gM2	- 3.7	b	3	W	
13873	29° 4578	209745		02.9	+29 39	8.7	.050	dF8	- 24.7	b	3	W	
13874	30887	209761		02.9	+26 26	5.9	.046	gK3	- 25	c	10	VW	*
13875	8° 5796	209712		02.9	-07 56	8.1	.096	dF6	- 17	c	2	L	
13876	30890	209813		03.0	+46 59	6.5	.074	K0	- 23.2	a	43	D	Orb. Northcott
13877	X Gru	209688		03.1	-39 47	4.6	.123	M0	+ 38.8	a	8	LC	*c
13878	<i>v</i> Peg	209747		03.2	+04 49	4.9	.146	gK5	- 16.4	b	12	3	SB *
13879	<i>ot</i> Aqr	209750		03.2	-00 34	3.2	.016	cG1	+ 7.5	a	52	6	*
13880	30898	209857		03.3	+46 30	6.3	.048	gM8	- 12.9	b	3	V	
13881	30899	209833		03.3	+28 43	5.6	.023	AOn	- 12	c	15	3	SB *
13882	30904	209960		03.5	+62 32	5.4	.062	g&5	- 20.9	a	6	LW	*
13883	07° 1393	210010		03.5	+68 08	8.5	*. . .	A2	- 11	e	1	V	
13884	30907	209975		Q3*6	+62 02	5.2	.003	09	- 12.8	a	42	5	IS -12.6 a *
13885	RZ Peg	209890		03.7	+33 16	8.0v	.012	He	- 27	c	5	W	Em -60 *
13886	<i>L</i> Aqr	209819		0X7	-14 07	4.4	.067	B8	- 10	d	9	YL	SB (125) *
13887	60° 2337	209990		03.8	+60 30	7.3	.015	G6	- 3	d	1	V	
13888	30915	209932		03.8	+44 52	6.4	.026	AO	- 4	c	7	V	SB (34)
13889	30917	209961		03.9	+47 59	6.2	.009	B3	- 17.8	a	32	V	IS +1.4 b *
13800	30918	209875		04*0	+01 37	7.5	.419	dFB	- 42.4	b	3	W	
1*3891	30919	209945		04.0	+44 46	5.3	.015	gMO	- 22.8	b	6	LW	*
13892	BM Aqr	209879		04.0	-15 53	11.0v	.....	gM5	- 21	c	3	W	SR 60
13893	30923	209992		04.1	+53 23	7.1	.014	G5	- 11	c	2	V	
13894	30924	209993		04.2	+45 00	6.1	.034	A2	- 1.9	b	10	DV	*
13895	29° 4585	209904		04.2	+30 20	8.7	.019	dF3	+ 13.5	b	3	W	
13896	30926	210071		04.5	+56 06	6.2	.021	B9	- 20	e	4	V	
13897	30929	209977		04.0	+11 31	7.3	.033	gM1	- 65.5	h	6	WL	*
13898	<i>t</i> Peg	210027		04.7	+25 06	4.0	.296	dF3	- 4.3	a	81	LV	Orbits *
13809	2i° 4586	21G060		04.8	+30 04	7.4	«OS4	gK2	- 9	c	3	W	
13900	30939	210144		04.9	+52 53	7.9	.635	dKG	- 36.1	b	3	W	

Cat. No.	Star	No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	//		km/sec					
13901	<i>OL</i> Gru	209952	22	05.1	-47	12	2.2	0.194	B5n	+ 11.8	b	8	L	
13902	30943	210074		05.1	+19	14	5.8	.126	dF2	- 14.8	b	5	WV	*
13903	30945	210090		05.1	+17	45	6.4	.044	M3	- 10	c	4	D	
13904	<i>fi</i> PsA	210049		05.5	-33	14	4.6	.084	A2n	+ 11.6	b	3	L	
13905	30955	210220		05.5	+58	36	6.3	.029	gG4	- 10	c	3	W	
13906	30956	210129		05.5	+21	28	5.7	.091	B8ne	- 52	c	4	W	IS +1 d 1
13907	12° 4760	210130		05.5	+12	49	7.6	.046	A5	- 10.3	b	7	D	
13908	<i>v</i> PsA	210066		05.5	-34	17	5.1	.047	M2	+ 20.1	a	5	L	
13909	30958	210221		05.6	+53	04	6.5	.012	A3p	- 25.5	b	3	V	
13910	30964	210170		05.8	+17	19	7.0	.034	A0	- 16	c	5	D	SB (37)
13911	42° 4303	210208		05.8	+42	42	7.5	.009	B9	+ 9	d	5	D	SB (70)
13912	30968	210210		06.0	+25	18	6.0	.055	A9	+ 2.0	b	10	YS	*
13913	30977	210191		06.2	-18	46	5.7	.010	B2	- 5.2	b	6	L	IS -10 c 5
13914	30979	210289		06.3	+49	33	6.6	.038	K5	+ 16.8	b	6	V	
13915	T Peg	210251		06.5	+H	18	8.4v	.033	gM6e	- 10	c	2	W	Em -24 *
13916	6° 4970	210266		06.6	+07	15	8.0	.067	dF7	- 2.9	b	3	L	
13917	AR Lac	210334		06.7	+45	30	7.3v	.042	K0+G5	- 34.6	a	56	3	EA 1.98 *
13918	30987	210353		06.7	+47	41	6.8	.034	A1	- 1	c	7	VW	SB *
13919	30989	210269		06.8	-08	36	7.0	.077	gG4	- 45.7	b	3	W	
13920	30991	210277		06.9	-07	47	6.6	.451	dG9	- 24.1	b	4	W	
13921	CC 1340	.....		07.0	-04	53	10.5	.80	dM3	- 12	c	2	W	
13922	30995	210354		07.0	+32	56	5.6	.088	gG6	- 5.7	b	5	WV	*
13923	30996	210271		07.0	-34	16	5.5	.047	A5n	+ 2	c	4	L	
13924	30997	210342		07.0	+22	18	8.1	.034	gF4	- 28.0	b	3	L	
13925	30998	210387		07.0	+44	37	6.7	.030	B9n	- 9	c	7	D	
13926	Y Lac	.....		07.1	+50	48	9.3v	.005	cF8	- 18.0	b	10	W	Cep 4.32
13927	60° 2348	210478		07.2	+60	45	7.3	.008	B2	- 42	e	1	W	IS -2 d
13928	31002	210405		07.2	+44	36	6.6	.020	B9	- 4.8	b	6	D	
13929	<i>r</i> PsA	210302		07.2	-32	48	5.1	.427	dF5	- 14.6	a	8	LW	*
13930	<i>o</i> Peg	210418		07.7	+05	57	3.7	.273	A2n	- 6	c	13	3	*
13931	<i>ir</i> Peg	210459		07.8	+32	56	4.4	.027	gA7n	+ 2.0	b	15	LV	*
13932	31017	210422		07.9	-11	04	7.0	.055	gG7	+ 0.6	b	3	W	
13933	31019	210460		07.9	+19	22	6.1	.111	GO	+ 40.2	b	4	S	
13934	31020	210461		07.9	+14	23	6.4	.038	KG	- 41.7	b	5	D	
13935	31021	210424		08.0	-11	49	5.4	.030	B5	+ 2.5	b	11	3	*
13936	31022	210434		08.0	-04	31	6.1	.070	gKO	- 18.1	b	4	W	
13937	31023	210483		08.0	+18	33	7.0	.362	dG1	- 72	c	2	L	
13938	31° 4645	210514		08.0	+32	03	7.3	.024	gM4	- 25.0	b	3	L	
13939	31025	210516		08.1	+20	44	6.4	.025	A2	+ 8	c	4	S	
13940	31026	210502		08.2	+11	23	5.9	.063	gM1	+ 17	c	8	OW	SB *
13941	31027	.....		08*2	+22	33	9.4	.585	dK4	- 25	c	4	W	SB (21)
13942	31029	210464		08.3	-21	29	6.1	.124	dF6	- 112	b	3	W	
18943	31030	210628		08.4	+55	50	8.9	.011	B5	- 20.9	b	4	V	IS -18.7 b
13944	31034	210594		08.6	+30	18	6.4	.010	A5	+ 4.0	b	8	DV	*
13945	31057	210807		08.9	+72	06	5»0	.031	gG3	- 14.8	a	19	4	*
13946	27° 4278	210046		09.0	+27	29	7.1	.006	AO	+ 10	c	6	D	
13947	Ross 271	.....		09.0	+18	10	10.4	.51	dM2	- 42	c	3	W	
13948	28° 430S	210661		§9.1	+29	00	IA	.030	AI	- 17	c	6	D	
13949	3I Cep	210745		00.1	+57	57	3.8	.015	cK5	- 18.4	a	18	3	SB (6) *
13950	Y Peg	210602		0§»2	+14	07	9.7v	.....	gMSe	- 85	d	1	W	Em -95 *

Cat. No.	Star	HJ> No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.											
			h	in	o	'			km/sec						
13951	31046	210715	22	09.2	+50	35	5.4	0.142	A2n	- 8	c	10	3	*	
13952	31048	210698		09.2	+39	28	7.4	.045	gK5	- 15	c	2	L		
13953	31049	210873		09.3	+71	52	6.4	.026	B9	- 2.8	b	8	V		
13954	31052	210702		09.4	+15	48	6.1	.022	gG7	+ 10.9	b	3	W		
13955	31056	210884		09.5	+69	53	5.5	.069	dF3	+ 1.0	b	10	VW	*	
13956	31061	210705		09.7	-14	26	6.2	.045	dF2	+ 15.2	b	3	W		
13957	31064	210762		09.8	+24	42	6.1	.022	K0	- 2.9	b	3	V		
13958	51° 3281	210809		09.8	+52	11	7.7	.002	08	- 80	c	2	W	IS -23 c	
13959	X Cep	210839		09.8	+59	10	5.2	.009	O6ne	- 74	c	22	3	W	IS -13.9 b *
13960	RS Peg	210749		09.8	+14	18	8.8v	....	gM6e	- 28	b	4	W	Em -43.0 *
13961	CC 1344	.....		09.9	+31	19	10.0	.46	dM0	+ 16	c	2	W	
13962	31070	210855		10.0	+56	35	5.4	.263	dF6	- 18.9	a	12	3	W	*
13963	A 15729A	210885		10.1	+59	28	7.6	.015	gK0	- 4.4	b	4	W		
13964	A 15729B	.....		10.1	+59	28	9.5	....	A2	+ 1	c	3	W	
13965	31074	210763		10.1	-04	58	6.4	.065	dF4	+ 2	c	6	W	SB (60)	
13966	69° 1229	211003		10.2	+70	08	8.3	....	dF0	- 4.5	b	4	W	
13967	31076	210905		10.2	+58	50	6.5	.152	K0	- 28.3	b	4	D		
13968	31077	210939		10.4	+60	31	5.5	.024	gG9	- 3.1	b	8	VW	*	
13969	31080	210922		10.5	+54	51	7.4	.014	gK1	- 12.7	b	3	LV	*	
13970	31081	210889		10.6	+34	21	5.4	.052	gK2	- 7.3	a	13	3	*	
13971	VV Peg	.....		10.7	+18	10	10.8v	....	.....	+ 10	d	1	W	RR 0.49
13972	31084	210845		10.8	-12	10	7.1	.029	gGQ	- 8	c	4	W		
13973	31086	211029		10.8	+63	03	6.1	.010	gM3	- 14.0	b	7	DW	*	
13974	10° 4708	210891		10.8	+10	36	8.2	.049	sgFO	- 3	d	3	L	SB (63)	
13975	31087	210925		10.9	+25	42	6.8	.154	dG6	- 61	c	7	DW	SB. (41) *	
13976	31088	210848		10.9	-25	26	5.6	.072	F8	- 28	c	2	L		
13977	26° 4379	210944		11.0	+27	04	7.2	.041	F5	+ 7	c	3	S		
13978	18° 4959	210957		11.3	+18	39	8.2	.043	sgA9	+ 5	d	2	L		
13979	31094	211006		11.3	+28	22	6.0	.067	gK3	- 18.9	b	4	W		
13980	X PsA	210934		11.5	-28	01	5.4	.025	B9	- 5.8	b	5	L		
13981	31099	210960		11.5	-21	19	5.4	.068	G8	- 23.7	a	9	LC	*	
13982	31100	210918		11.6	-41	37	6.4	.967	dG1	- 18	c	3	W		
13983	31104	211073		11.7	+39	28	4.6	.040	gK4	- 10.6	b	12	3	SB *	
13984	31105	211096		11.8	+45	12	5.5	.078	AO	- 9.4	b	3	Y		
13985	CC 1348	.....		11.8	-08	59	11.5	.68	dK4	- 18	c	4	W	
13986	31107	211076		11.9	+16	57	6*6	.125	gK5	- 35.4	b	7	W		
13987	31109	211038		11.9	-16	04	6.6	.350	dG8	+ 11.9	b	3	W		
13988	31110	211300		12.0	+73	04	6.1	.032	gG7	+ 1.0	b	3	W		
13089	31116	211242		12.3	+62	55	6.2	.022	B8n	+ 12	c	5	W	SB (43)	
13990	31118	211139		12.3	+20	19	7.1	.047	F5	- 18	c	8	DS	*	
13991	31124	211140		12.6	-05	50	8.2	.020	gG7	- 0.7	b	4	W		
13992	A Gru	211088		12.6	-41	36	4.9	.054	G2	- 7.2	b	8	L	SB	
13993	31127	211211		12.6	+42	42	5.7	.055	AO	- 38	c	7	V		
13094	DR Peg	.....		12.9	+06	34	0.3v	....	.....	- 70	d	2	W	RR 0.26
13099	17° 4717	211244		13.0	+18	21	171	.019	sgF3	+ 47	e	2	L	SB (70)	
13&96	£ Cep	211338		13.2	+56	48	4.2	.448	ciASn	- 0.6	b	18	3	*	
13997	15° 6174	211234		13.3	-14	41	8.0	.039	gK3	- 20	c	4	W	SB (25)	
13S98	14° 4764	211286		13*4	+15	11	8.B	.031	dF5	+ 5	c	4	W		
13999	31138	211202		13.4	-41	53	5.2	.016	G5	+ 12.5	a	9	LC	*	
14000	31130	211287		13.5	+08	18	6.0i	.016	AO	0	c	8	VS	SB (89) *	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
14001	11° 4765	211304	22	13.6	+11	31	7.0	0.029	B9	+ 6	c	4	S	
14002	30° 4663	.....		13.6	+31	10	8.9	.062	dF3	- 9	e	3	W	
14003	15° 4604	211341		13.7	+15	46	8.2	.022	dF5	+ 6.9	b	4	W	
14004	31143	211388		13.8	+37	30	4.2	.012	gK4	- 7.8	a	13	4	*
14005	CP Lae	.....		13.8	+55	20	2.1v	.....	Q	.....	..	67	WV	IS -11.7 a *
14006	31149	211472		14.0	+54	25	7.8	.223	dK1	- 7	c	2	L	
14007	31150	211361		14.1	-13	05	5.6	.013	gKO	+ 13	c	4	W	
14008	17° 6480	211362		14.1	-16	38	8.1	.089	sgF6	- 12	c	2	L	
14009	31151	211432		14.2	+27	33	6.4	.013	K0	+ 15.7	b	6	D	
14010	54° 2722	211489		14.2	+54	35	8.2	.041	dF1	- 12	c	2	L	
14011	6 Aqr	211391		14.2	-08	02	4.3	.115	gG6	- 14.7	a	9	L	
14012	31155	211392		14.2	-09	17	6.1	.053	gK3	+ 12.1	b	3	W	
14013	31156	211380		14.2	-14	54	7.1	.014	dF8	+ 19.1	b	3	W	
14014	31158	211433		14.3	+22	39	6.8	.054	A0	+ 4.5	b	23	S	Orb. Albitsky
14015	31159	211460		14.4	+28	55	6.8	.163	G5	- 38.5	b	4	D	
14016	29° 4625	211474		14*5	+29	50	7.6	.006'	B8	- 34	c	5	D	
14017	31163	211434		14.5	-05	38	5.8	.025	gG4	+ 7.4	b	4	W	
14018	31166	210967		14.5	-80	41	5.1	.084	M6	+ 11.7	a	5	L	
14019	31167	211554		14.6	+56	58	6.0	.042	gG4	- 7.9	a	11	VW	*
14020	Wolf 1561A	.....		14.7	-09	03	13.5	.55	dM4e	+ 54	e	3	W	
14021	31171	211476		14.8	+12	39	6.9	.851	dG2	- 29.9	b	3	W	
14022	31178	211415		15.0	-53	52	5.4	.791	dF7	- 13.9	b	4	L	
14023	31181	213126		15.1	+87	50	7.4	.033	A2	- 5	c	6	D	
14024	a Tuc	211416		15.1	-60	31	2*9	.079	K5	+ 42.2	a	31	LC	Orb. *
14025	31191	211606		15.5	+26	41	6.7	.044	K5	- 9.5	b	4	D	
14026	38° 4727	211645		15*6	+38	46	7.5	.081	gG9	- 25	c	2	L	
14027	UW Peg	.....		15.6	+02	29	8.7v	.017	gM5	+ 23	e	2	W	SR 106
14028	31197	211746		15.7	+65	53	7.0	.018	A0	- 14	c	5	V	SB (33)
14029	TX Peg	211647		15.8	+13	21	7.9v	.036	gM6e	+ 11.2	b	3	W	SR 132
14030	X Aqr	211610		15.9	-21	09	9.7v	....	gM4e	+ 10	c	2	W	Em -1 *
14031	31199	211676		16.3	-13	33	6.1	.074	gG7	+ 30.0	b	3	W	
14032	31201	211733		16.4	+16	00	6.9	.023	A3n	- 27.3	b	12	3	*
14033	31205	211833		16.6	+62	33	6.0	.048	gK3	- 2.4	b	9	VW	*
14034	15° 4618	.....		16.6	+15	41	8.4	.035	KG6	- 18.8	b	4	W	
14035	31209	211822		16.7	+52	24	7.4	.007	G8	- 27	d	1	V	
14036	31210	211797		16.7	+37	31	6.1	.071	dF2	+ 7.4	b	9	VW	*
14037	55° 2721	211853		10.9	+55	52	9.0	.031	WN6	- 55	c	42	Md	Em +56 SB
14038	28° 4348	211799		16.9	+28	36	7.1	.063	F8	- 22.9	b	3	S	
14039	31210	211800		17.0	+15	18	7*2	.013	gM1	- 0.5	b	3	W	
14040	53° 2844	211868		17.0	+54	19	8.0	.045	A4	- 60.4	b	8	W	
14041	15° 4620	211837		17.2	+15	55	8.6	.014	dASn	+ 13	c	4	W	
14042	15° 4022	.....		17.5	+15	35	9*3	.015	seK3	- 21.6	b	3	W	
14043	31223	212710		17.6	+85	51	5.4	.074	AQn	+ 4	d	10	4	SB (87) *
14044	58° 2421	230923		17.6	+58	42	9.4	.003	cB4	- 40	e	2	Md	IS -13 d
14045	p Aqr	211830		17.6	-08	04	5.4	*GiQ	B8	- 9	c	7	LY	*
14046	31226	211971		17*7	+88	54	7.2	JO3	cAO	- 17	c	2	W	m -I? c
14047	31227	212150		17.8	+76	14	0.6	.017	AQn	- 18	c	4	D	
14048	31228	212774		17.8	+85	58	8*8	.038	gKO	- 9.8	b	3	W	
14049	55° 2724	211912		17.9	+55	55	7.3	.032	K4	- 17	c	2	V	
14050	31230	211924		17.9	+05	32	5.4	.018	B6	- 8.0	b	20	4	IS -6 c •

Cat. No.	Star	H.D. No.	1950			Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes	
			R.A.	Decl.										
			h	m	°	'	''	km/sec						
14051	51° 3341	212044	22	18.3	+51	36	7.1	0.015	B2e	- 13.6	b	10	3	IS -16.0 b *
14052	31238	212005		18.4	+24	42	8.3	.017	gKO	+ 1.2	b	5	W	
14053	31239	211976		18.4	+07	56	6.2	.050	dF4	+ 9.7	b	6	V	
14054	31242	212047		18.7	+26	41	6.5	.013	gM4	- 4	c	7	DW	*
14055	31243	212071		18.7	+50	44	6.6	.011	gK2	- 9.0	b	4	V	
14056	31246	212022		18.8	-06	30	7.5	.030	A4	- 11	c	4	W	
14057	31247	212010		18.8	-21	51	5.4	.088	gK2	+ 48.7	a	11	3	*
14058	31252	212120		19.0	+46	17	4.7	.022	B5	- 9.5	b	125	AY	IS -15 c *
14059	31253	212097		19.0	+28	05	4.9	.014	B8n	+ 8.2	b	10	LY	IS -8 c *
14060	31254	212075		19.0	+14	07	6.9	.022	A3n	- 4	c	5	D	
14061	31255	212076		19.1	+11	57	4.9	.011	B3e	+ 9.6	b	13	LY	IS -8 c *
14062	y Aqr	212061		19.1	-01	38	4.0	.126	A0	- 15	c	18	4	SB *
14063	31260	212081		19.2	-06	26	8.1	.007	gM3	+ 10.9	b	3	W	
14064	54° 2745	235807		19.3	+55	18	9.5	.026	B1	-118	e	2	Md	IS -23 d
14065	31272	212186		19.7	+15	24	6.7	.027	A0	- 1	c	6	D	
14066	31274	212222		19.7	+41	50	6.3	.017	B7	- 17.7	b	7	VW	*
14067	31277	212247		19.9	+43	30	8.0	.038	gK2	- 22.9	b	4	W	
14068	A 15881A	212391		20.3	+66	27	7.2	.034	gG6	- 2.2	b	10	VW	*
14069	A 15881B	212392		20.3	+66	27	8.0	.028	A3	- 8	c	7	WV	SB (51) *
14070	v Ind	211998		20.4	-72	30	5.4	1.470	dGO	+ 20.5	b	5	L	
14071	RT Aqr	212243		20.5	-22	19	8.8v	0.043	gM6e	- 34	d	1	W	Em -43 *
14072	31288	212291		20.6	+09	12	7.8	.306	dG6	- 8.0	b	3	W	
14073	31291	212271		20.7	-25	01	5.6	.099	gG9	- 10.5	b	3	W	
14074	31293	212320		20.9	-07	27	6.1	.013	gG6	- 14.2	b	3	W	
14075	54° 2756	212455		21.1	+54	59	8.4	.031	cB5	- 59	c	6	W	IS -30 c
14076	31300	212395		21.3	+20	36	6.1	.333	dF4	- 23.4	b	9	WV	*
14077	31303	212495		21.3	+62	10	6.0	.030	A0	- 15	d	3	V	
14078	31307	212404		21.5	-05	05	5.8	.027	A0	+ 6	c	3	V	
14079	31309	212442		21.6	+15	02	6.7	.033	B8	+ 5	c	10	D	SB (73)
14080	0 Lac	212496		21.6	+51	59	4.6	.189	gKO	- 10.4	a	11	3	*
14081	31311	212330		21.6	-58	03	5.4	.369	dGO	+ 7.8	a	7	L	
14082	31312	212470		21.7	+31	00	7.5	.017	gM4	- 4.5	b	3	W	
14083	31315	212487		21.7	+38	19	6.2	.280	dF5	+ 4.8	b	3	V	
14084	51° 3359	212510		21.7	+52	13	8.6	.032	A2	- 38.4	b	6	W	
14085	31317	212430		21.8	-13	47	5.9	.047	gG6	- 21.1	b	4	W	
14086	II 5217	212534		21.9	+50	43	.....	.....	Pd	- 98.6	b	6	L	Em. Pl. neb.
14087	31322	212500		22.0	+16	01	7.1	.026	F4	- 37.1	b	4	D	
14088	31323	212474		22.0	-01	26	6.8	.113	gG6	- 32	c	7	W	SB (29)
14089	21° 4747	.....		22.4	+22	18	9.0	.201	dK7	+ 2	c	4	WMd	*
14090	31326	212593		22.5	+49	13	4.6	.010	cB8	- 25.8	b	13	3	IS -18 c *
14091	w Aqr	212571		22.7	+01	07	4.6	.013	Bine	+ 4	c	27	3	IS -1L7 b *
14092	T Gru	212537		22.8	-37	49	2.3v	.....	gMOe	+ 1	c	3	W	Em -4 *
14D93	S Gru	212539		23.0	-48	41	7.3v	.068	gM5e	- 7	c	3	L	Em ~21**
14094	31338	212670		23.3	+13	11	6.4	.037	KO	+ 22.3	b	5	D	
14095	EY Peg	212878		23.3	+30	13	9.0v	.....	gM6e	- 32	c	2	W	Em -46 *
14096	31343	212043		23.4	-23	56	6.2	.006	A0	- 15	c	4	W	
14097	74° 904	212955		23*7	+74	35	8.0	.....	gG5	- 3.8	b	3	W	
14098	31344	212734		23.7	+25	40	7.1	.025	A2n	- 4	c	6	S	
14099	51° 3372	212791		21.8	+52	11	8.2	.010	B3ne	- 13.0	b	6	W	IS -3.6 b
14100	6 Tuc	212581		23*8	-65	13	4.8	.071	B9n	+ 12	c	5	L	

Cat. No.	Star	ED. No.	1950		Magn.	P.M.	Spec,	Vel.	Q	No. PL	Obs.	Notes		
			R.A.	Decl.										
			h	m	°	'	''	km/sec						
14101	31347	212790	22	23.8	+53	34	7.4	0.012	gK2	- 34.3	b	3	W	
14102	A 15934B	212697		23.9	-17	00	6.6	.258	dG1	- 3.3	b	4	W	
14103	A 15934A	212698		23.9	-17	00	6.4	.219	dG2	- 6.2	b	4	W	
14104	31350	212810		23.9	+53	41	7.4	.061	dF1	- 15	c	3	W	
14105	31355	212754		24.1	+04	08	5.8	.300	dF5	- 17.8	b	8	WV	*
14106	31356	212882		24.1	+63	04	7.2	.038	gM4	+ 8	c	2	L	
14107	74° 965	213021		24.3	+74	34	8.0	....	cGO	- 22.6	b	3	W	
14108	69° 1250	212976		24.4	+69	38	8.0	.02	gG6	+ 1	c	5	W	SB (34)
14109	53° 2882	212898		24.5	+53	51	7.6	.015	AOn	- 4	c	6	W	
14110	31360	212883		24.5	+37	11	6.4	.011	B2	- 6.5	b	6	V	IS -9.2 b
14111	31365	213022		24.7	+70	31	5.7	.021	gK2	- 17	c	4	W	
14112	31375	212978		25.2	+39	33	6.1	.010	B3	- 16.8	b	5	V	IS -13 c We
14113	31377	212943		25.3	+04	27	4.9	.318	sgKO	+ 53.8	a	22	3	*
14114	31380	213087		25.5	+64	53	5.7	.001	B1	- 14.7	b	10	WV	IS -10.5 b *
14115	31381	212988		25.5	+31	35	6.3	.053	K3	+ 0.9	b	5	D	
14116	v Gru	212953		25.7	-39	23	5.5	.165	G4	+ 10.6	b	4	L	
14117	31388	213014		25.8	+17	00	7.7	.022	gG8	- 39.7	b	9	W	
14118	A 15966A	213013		25.8	+23	17	8.3	.068	dG8	- 19.7	b	3	W	
14119	A 15966B	.....		25.8	+23	17	8.8	....	dK2	- 23	e	3	W	
14120	A 15971B	213051		26.3	-00	17	4.6	.177	dF1	+ 28.9	b	4	L	
14121	3T Aqr	213052		26.3	-GO	17	4.4	.209	dF2	+ 24.9	a	11	LB	A 15971A *
14122	CC 1363	.....		26.3	+05	35	14.4	1.57	sdK6	- 157	d	2	W	SB (37)
14123	A 15972A	239960		26.3	+57	27	9.8	0.86	dM3	- 24	c	4	W	
14124	A 15972B	.....		26.3	+57	27	11.3	....	dM4e	- 28	c	5	W	
14125	8 Gru	213009		26.3	-43	45	4.0	.024	G2	+ 4.9	a	14	LC	*
14126	31401	213403		26.4	+78	32	5.8	.041	A2	- 6	c	3	V	
14127	31403	213042		26.4	-30	16	7.8	.834	dK6	+ 5.3	b	3	W	
14128	31408	213119		26.6	+08	52	5.8	.055	gK5	- 30.2	b	10	W	*
14129	31410	213242		26.7	+63	50	6.4	.023	K1	- 26.9	b	4	D	
14130	31412	213080		26.8	-44	00	4.3	.013	M4	+ 2.3	a	14	CL	*
14131	S Lac	213191		26.8	+40	04	7.3v	.024	gM5e	- 59.7	b	5	W	Em -65.9 *
14132	31415	213179		26.8	+26	30	6.0	.022	g&2	- 45.3	a	13	W	*
14133	31416	213269		26.9	+61	12	7.5	.051	G6	+ 6	d	1	V	
14134	NGC 7293	.....		27.0	-21	06	.....	....	P	- 15	d	1	L	Em PL neb.
14135	AK Cep	.....		27.0	+57	57	12.3v	....	.....	- 52.5	b	7	W	Cep 7.23
14136	31419	213307		27.3	+58	09	7*5	.013	B8E	- 21	c	9	LW	*
14137	C 2923	213199		27.3	-16	43	8.1	.097	dGO	+ 4	c	2	L	
14138	6 Cep	2133G6		27.3	+58	10	3.7v	.012	cGOv	- 16.8	a	72	L	Cep 5.37 *
14139	31423	213198		%1A	-13	10	6.2	.164	dF1	- 10.7	b	3	W	
14140	S1424	213322		27.4	+53	59	6*6	.004	B5	- 10.1	b	4	V	
14141	31425	2132S5		27.4	+04	11	5.5	.144	dF2	+ 1.0	a	16	3	*
14142	31426	213310		27.4	+4?	27	4.6	.005	cK6p	- 4.1	bj	28	5	SB *
14143	31427	213272		27.5	+35	28	6.5	.048	AOn	- 2	c	4	D	
14144	31430	213323		27.7	+32	19	5.5	.032	A0	- 16	d	3	Y	
14145	31436	213556		27.9	+75	50	7.9	.012	gKS	- 13.4	b	3	W	
14148	0' Aqr	213320		28.0	-10	50	4.0j	.028	A1	+ 11	c	28	≥\$	SB *
14147	31442	213389		28.0	+40	08	6.5	.050	K1	+ 4.4	a	41	D	Orb. Northcott
14148	31441	213420		28.3	+42	52	4.5	.008	S3	- 8.0	b	32	5	IS -10.6 b *
14149	31451	213470		28.4	+96	53	8.7	.012	cA2	- 60.8	b	8	VW	*
14150	TW lac	.....		23.4	+54	23	11.5v	....	A2	- 3	b	29	Md	EA 3.04 *

Cat. No.	Star	RD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'									
14151	31456	213571	22	28.6	+69	55	7.2	0.014	B5	- 17.9	b	6	V	IS -19 c	
14152	£ PsA	213398		28.7	-32	36	4.4	.064	A0	+ 6.3	a	6	L		
14153	31468	213464		29.0	-11	10	6.4	.081	dF2	+ 4	c	4	W	SB (22)	
14154	a Lac	213558		29.2	+50	01	3.8	.135	AOn	- 4.0	b	161	3	W	*
14155	31473	213534		29.2	+29	17	6.3	.054	A5	+ 1.6	a	80	SV	Orbits *	
14156	p Cep	213798		29.5	+78	34	5.5	.016	AIn	+ 1	c	10	4	SB *	
14157	WX Cep	213631		29.5	+63	16	9.1v	. . . .	A2+A5	0	b	41	Md	EA 3.38 *
14158	. . . . .	. . . . .		29.6	+47	32	11	. . . .	P	-152	c	2	W	Em PL. neb.
14159	v Tuc	213442		29.6	-62	14	4.9	.043	M5	- 3.4	a	5	L		
14160	CC 1368	. . . . .		29.7	+49	27	9.3	.41	dG8	+ 27.8	b	3	W	
14161	59° 2535	239989		30.2	+60	26	10.1	.045	B4	- 37	c	3	Md	IS -33 c	
14162	31486	213617		30.2	+19	58	6.3	.158	F0	- 18.9	b	5	S		
14163	31487	213619		30.2	+12	47	6.6	.123	A8n	+ 11	c	3	S		
14164	31488	213660		30.2	+39	31	5.8	.004	A3	+ 5	c	6	V		
14165	31489	213720		30.3	+53	47	6.5	.043	K0	- 14.4	b	4	D		
14166	31490	213644		30.3	+15	36	6.4	.013	K3	- 27.8	b	4	O		
14167	MSB 72	. . . . .		30.4	+58	24	9.5	. . . .	N	- 18	e	3	W	
14168	58° 2450	213758		30.6	+58	46	8.0	.066	dF3	+ 8	c	2	L		
14169	CC 1370	. . . . .		30.8	+53	32	10.7	1.58	dM1	- 2	e	3	W	
14170	50° 3748	235874		30.9	+50	57	9.2	0.041	B4	- 56	c	3	Md	IS -23 c	
14171	28° 4398	213803		31.3	+29	19	8.3	.032	K0	+ 12.2	b	4	D		
14172	31506	214035		31.4	+75	58	5.7	.019	A0	- 22	d	5	VVn	SB (105) *	
14173	31507	213789		31.5	-01	50	5.9	.046	gG6	- 8.0	b	3	W		
14174	31508	213780		31.5	-09	52	6.8	.010	gK2	+ 4.6	b	4	W		
14175	31509	213871		31.5	+46	18	7.2	.011	A0	- 10	c	5	S		
14176	31510	213973		31.6	+69	39	6.0	.135	dF2	- 2	c	9	VW	*	
14177	SS Peg	213837		31.6	+24	18	8.0v	. . . .	gM7e	- 17	b	3	W	Em -31.4 *
14178	31513	213930		31.7	+56	22	5.8	.086	gG9	- 10.6	b	6	W		
14179	31515	214019		31.9	+70	07	6.3	.055	A0	- 19.1	b	5	W		
14180	14° 4819	213890		31.9	+14	48	8.0	.046	sgF4	+ 12	d	2	L		
14181	v Aqr	213845		32.0	-20	58	5.3	.261	dF3	- 1.9	a	8	LC	*	
14182	20° 6454	213863		32.0	-20	07	8.7	-.053	dP1	- 38	d	2	L		
14183	31518	213893		32.0	+00	20	7.0	.075	gMO	- 88	c	4	W		
14184	31522	213976		32.3	+40	31	7.0	.023	B5	- 17.2	b	5	V		
14185	31524	213992		32.5	+29	42	7.3	.022	K2	+ 6.5	b	4	D		
14186	7| Aqr	213998		32.8	<00	23	4.1	.101	B8n	- 8	c	13	LY	*	
14187	31535	213986		32.9	-24	15	6.0	.037	gKO	- 3	c	4	W		
14188	C 2937	214059		33.1	+05	07	8.4	.454	dG4	- 6.9	b	4	W		
14189	31540	214028		33.1	-17	43	6.8	.051	gK5	- 8.1	b	3	W		
14190	00° 2412	. . . . .		33.2	+60	33	9.0	.091	dK5	- 0.6	b	3	W	
14101	60' 2414	214165		33.2	+80	35	7.1	.117	dF1	+ 3.0	b	7	W		
14192	31544	214128		33.4	+20	01	6.7	.112	gK2	- 33	c	4	W		
14193	31545	214080		33.4	-16	39	6.7	.013	B2	0	c	6	L	IS +5 c 5	
14194	CC 1373	. . . . .		33.6	-01	05	10.0	.60	dM1	+ 21	d	4	MdW	*
14115	A 16095B	214167		31.8	+39	22	6.6	.012	cB2	- 13.5	b	9	VW	IS -14.0 b *	
14196	A 16095A	214168		3X6	+39	23	5.8	.005	B3ne	- 11	c	11	VW	IS -13.2 b *	
14197	31550	214240		33.8	+49	49	6.2	.009	B3	- 15.3	a	32	V	IS -18.9 b *	
14198	31558	214200		33.9	+35	19	6.2	.067	m	- 15.9	b	5	S		
14109	31559	214279		33.9	+55	49	6.3	.013	A2	- 2.2	b	3	V		
14200	31563	214150		34.1	-40	91	5.8	.080	A2	+ 15.0	b	4	L		

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			<i>h</i>	<i>m</i>	<i>°</i>	<i>'</i>			km/sec					
14201	69° 1269	214393	22	34.1	+69	59	7.2	...	K0	- 9	d	1	V	IS -21.8 b
14202	31564	214263		34.1	+37	35	6.8	0.005	B3	- 19.5	b	4	V	
14203	31565	214203		34.1	+11	26	6.4	.025	A0	- 8.2	b	6	V	
14204	27° 4351	214265		34.2	+27	32	7.1	.051	K0	- 18.7	b	4	D	
14205	12° 4850	214245		34.2	+12	54	7.3	.028	gK5	- 30	c	3	L	
14206	53° 2931	214357		34.5	+53	32	8.6	.033	A0	- 5.9	b	6	W	*
14207	31567	214470		34.5	+73	23	5.2	.172	gF3	+ 0.1	b	16	3	
14208	31568	214313		34.5	+35	24	6.5	.002	K3	+ 10.0	b	4	D	
14209	31570	214298		34.6	+12	19	6.5	.038	K3	- 19.1	b	5	D	
14210	CQ Cep	214419		34.8	+56	39	9.2v	.023	WN6	- 75	b	50	Md		Em EB 1.64 *
14211	31573	214511		34.9	+72	37	7.5	.117	dF6	- 12	c	4	W	SB (32)
14212	31577		35.0	+72	37	8.3	.098	dF7	- 4.5	b	3	W	* LC
14213	k: Agr	214376		35.2	-04	29	5.3	.135	gK1	+ 8.2	a	8	3	
14214	26° 4466	214422		35.2	+27	10	8.1	.054	dF6	+ 1.8	b	3	L	RR 0.06 *
14215	CY Agr	.....		35.2	+01	16	10.5v	.....	AOv	- 32	b	21	Md
14216	31586	214454		35.3	+51	17	4.5	.116	A5	+ 12	c	16	3	SB *
14217	Luy 789-6		35.7	-15	37	12.3	3.27	dM6e	- 60	b	4	W	SB
14218	31594	214605		35.8	+68	57	7.5	0.016	dF2	+ 12.0	b	3	W	
14219	31595	214584		35.9	+63	31	7.1	.068	K2	- 19	d	1	V	
14220	31598	214484		36.0	-33	21	5.6	.021	AO	+ 4	d	5	L	
14221	31599	214557		36*0	+45	34	7.1	.223	F8	- 35.9	b	5	D	
14222	9° 5076		36.1	+10	18	11.1	.57	dKO	- 70	d	3	W	SB (44)
14223	31603	214558		36.1	+44	55	6.4	.000	GO	- 4.0	b	7	D	* DW
14224	31604	214710		36.1	+75	07	6.1	.046	gM1	- 6.5	b	7	3	
14225	31608	214547		36.4	+02	16	10.1	.013	dF2	+ 6	c	6	W	
14226	31610	214567		36.5	+19	16	5.8	.110	gG7	- 19.7	b	8	VW	
14227	31613	214608		36.6	+44	03	6.9	.242	dGO	- 19.1	b	4	W	
14228	31614	214572		36.6	-10	17	7.2	.049	dGO	+ 11.9	b	3	W	* IS -21.8 b *
14229	31615	214665		36.7	+56	32	5.5	.057	gM4	+ 8.0	b	12	5	
14230	31617	214652		36.8	+37	07	6.7	.014	B3	- 12.6	a	55	V	
14231	31620	214734		36.9	+63	19	5.2	.022	Aln	+ 11	c	5	W	
14232	A 16145p	214615		36.9	-12	52	8.6	.277	dG9	- 11.3	b	3	W	
14233	A 161451		36.9	-12	52	8.6	dG9	- 7.3	b	3	W	IS -14.0 b *
14234	31626	214680		37.1	+38	47	4.9	*.006	O9	- 9.7	a	52	5	
14235	RZ Cep		37.1	+64	36	9.2v	*.214	A2v	- 0.8	b	19	WL		RR 0.31 *
14236	31632	214714		37.3	+37	20	6.1	.004	gGO	- 6.8	b	7	DW	* Orb. Sanford
14237	31634	214698		37.4	+19	25	6.1	.013	A2	- 11	c	4	WV	
14238	31637	214686		37.5	-09	37	6.7	.172	dF6	- 38.8	a	61	W	
14239	31639	214690		37.6	-30	55	6.0	.234	gK2	+ 79	c	2	W	
14240	€ PsA	214748		37.9	-27	18	4.2	.027	B8ne	+ 3	c	7	L	
1*4241	31650	214878		38.3	+53	35	6.1	.013	gG4	- 5.7	b	7	DW	* Em PL neb. SB 2-sp
14242	31652	214868		38.3	+44	01	4.6	.002	gK2	- 10.0	a	11	3	
14243	31655	214850		38.4	+14	17	5.8	.300	dG3	- 10.0	b	4	W	
14244	NGC 7S54	.....		38.5	+61	02	.....	.....	P	- 42.5	b	3	L
14245	54^ 2836	214956		38<<8	+54	45	8.8	.049	AO _n	+ 1	c	6	W	
14246	Z Lac	214975		38.9	+56	34	8.6v	.004	cGlv	- 25.0	b	11	W	Cep 10.9 *
14247	t Peg	214923		39.0	+10	34	3.6	.077	B8n	+ 7	c	12	YL	* SB 2-sp
14248	31665	214946		39.0	+44	45	7.1	.025	A2	- 15	c	9	D	
1424S	23° 4592	21498Q		39.0	+23	35	7.3	.013	B3	- 53.0	b	4	V	
urn	31668	214979		39.2	+30	42	6.5	.059	KB	- 34.5	b	4	D	

Cat. No.	Star	ELD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
14251	31669	215065	h	m				km/sec					
			22	39.2	+66 15	7.5	0.444	dG3	- 45.9	b	3	W	
14252	31670	214993		39.2	+39 58	5.2	.009	B1	- 14.5	a	461	VO	IS -16.0 a *
14253	31671	215318		39.3	+81 08	6.9	.016	gGO	+ 10.7	b	3	W	HD F8+A5
14254	31672	215030		39.4	+41 17	6.1	.159	K0	- 14.0	b	4	D	
14255	BC Peg	.....		39.4	+20 55	7.8v	.....	gM6	- 13	c	3	W	SR?
14256	o Peg	214994		39.4	+29 03	4.8	.027	A2	+ 9.3	b	50	5	*
14257	RR Lac	.....		39.5	+56 10	9.0v	.004	cG2v	- 35.0	b	10	W	Cep 6.42 *
14258	31677	214995		39.5	+14 15	6.1	.089	gKO	- 25.7	b	4	W	
14259	31680	214966		39.6	-29 37	6.4	.027	gM5	- 8.8	b	4	W	
14260	0 Gru	214952		39.7	-47 09	2.2	.134	M6	+ 1.6	a	40	LC	*
14261	31689	215093		40.3	-00 02	6.9	.006	dF2	- 16	c	4	W	
14262	31690	215159		40.3	+53 39	6.3	.002	K3	+ 8.6	b	4	D	
14263	31691	215081		40.3	-21 55	7.3	.028	gG3	+ 7.0	b	4	W	
14264	31693	215097		40.4	-10 22	7.2	.018	gKO	+ 14.1	b	3	W	
14265	31694	215110		40.4	+00 09	8.0	.226	dG4	- 9.0	b	3	W	
14266	31695	215129		40.4	+00 57	6.9	.015	A3	- 6	c	6	WS	*
14267	31697	215114		40.4	-08 34	6.5	.018	A2	+ 5	d	5	V	
14268	p Gru	215104		40.6	-41 41	4.9	.094	G5	+ 29.3	a	8	LC	*
14269	BD Peg	215162		40.6	+27 54	6.8v	.042	gM6	- 12	d	4	W	Irr
14270	31704	215191		40.6	+37 32	6.2	.011	B3	- 17.8	b	4	V	IS -12.7 b *
14271	7/ Peg	215182		40.7	+29 58	3.1	.027	gG2	+ 4.3	a	30	L	Orb. Crawford
14272	53° 2963	215252		40.8	+54 30	7.4	.017	K4	+ 7	d	1	V	
14273	16° 6142	215166		40.9	-16 24	8.1	.095	dF7	- 18	c	2	L	
14274	31708	215167		40.9	-19 06	4.9	.039	gK3	+ 21.6	a	6	L	
14275	31709	215242		40.9	+46 54	6.4	.009	A0	- 17	d	6	V	SB
14276	R Lac	215254		41.0	+42 06	7.8v	.019	gM5e	+ 18	c	2	W	Em +8 *
14277	3 Oct	214846		41.1	-81 39	4.3	.050	F1	+ 23.9	b	9	LC	SB *
14278	31713	215243		41.2	+10 41	6.4	.165	F5	*- 2	c	4	S	
14279	31716	215290		41.3	+32 34	7.3	.022	gMO	- 23	c	2	L	
14280	31719	215371		41.3	+65 04	6.8	.009	B3	- 23	c	4	V	IS -9 c
14281	31721	215324		41.3	+45 46	7.4	.190	dF5	- 32.7	b	3	W	
14282	A 16228A	215359		41.8	+39 12	6.2	.020	gK5	- 27	c	3	W	
14283	A 16228B	.....		41.8	+39 12	8.4	.....	gK1	- 22.9	b	3	W	*
14284	31732	215373		41.9	+41 33	5.2	.012	gG7	+ 13.2	a	6	LW	
14285	45° 4037	215399		42.0	+46 22	8.2	.....	dF1	+ 13	d	2	L	
14286	48° 3823	215427		42a	+49 09	7.2	.011	K5	- 26	c	2	V	
14287	31739	215500		42.3	+64 19	7.8	.297	dG5	- 42	c	4	W	
14288	60* 2432	215484		42.3	+61 28	9.0	.008	N	- 30	c	2	W	
14289	52° 3280	215471		42.4	+53 30	7.4	.007	K0	- 16	d	1	V	
14290	WW AIM1	.....		42.4	+45 25	10.3v	.....	A5+F3	- 17	c	29	Md	EA 233 *
14291	Lee 153	.....		42.4	+17 52	9	...	Ne	+ 17	c	3	W	Fm -9* >
14292	7/ Gru	215369		42.6	-53 46	4.9	*.036	G8	+ 27.8	b	10	LC	SB *
14293	81749	215518		42.7	+52 15	6.7	.014	K5	+ 4.8	b	4	D	
14284	31750	215405		42*7	-46 49	5.4	.042	K6	+ 42.2	b	5	L	
14295	48° 3827	.....		42.8	+49 13	9.4	.....	N	- 13	b	4	W	
14296	10° 4812	.....		43.0	+10 56	9.7	.....	dK6	+ 5.2	b	3	W	
14297	31753	215510		43.0	+19 00	6.4	*.067	gG6	- 21.8	b	9	WV	*
14208	MSB 74	.....		43.1	+56 21	9.1	.....	N	- 50	c	3	W	
14289	31758	215506		43.2	+44 29	7.0	.011	B8	- 22	c	6	D	
143CXI	31759	215549		43.2	+30 11	0.5	.441	dKO	- 0.6	b	4	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes			
			R.A.		Decl.												
14301	ZZ Cep	215661	h	m	°	'	9.3v	....	B7+dF0	- 17.4	a	36	L	EA 2.14 *		
14302	ee 1380	.....	22	43.4	+67	52	10.5	0.40	dK6	- 23	c	2	W			
14303	31763	215578		43.5	+45	07	8.0	.039	gG8	- 20.7	b	3	W				
14304	52 ^c 3288	215633		43.5	+18	59	7.0	.035	K2	- 6	c	2	V				
14305	TX Lac	215673		43.6	+52	37	11.5v	....	R6	- 28	c	2	W	Irr		
14306	31771	215664		43.8	+54	48	5.8	.140	dA8n	- 10.2	b	8	DW	*			
14307	λ Peg	215665		43.9	+44	17	4.1	.053	gG6	- 3.9	a	21	5	*			
14308	ν Peg	215648		44.1	+23	18	4.3	.545	dF3	- 5.3	a	34	6	*			
14309	16 ^c 4814	215733		44.2	+11	55	7.7	.031	B2	- 22.7	b	12	L	IS -22.4 b			
14310	C 2972	215696		44.6	+16	58	7.4	.375	dG4	- 29.9	b	4	W				
14311	46 ^o 3825	215772		44.6	-16	25	8.2	....	dF5	- 2	d	2	L	SB (29)		
14312	CC 1382	.....		44.7	+46	55	10.2	.84	dM5e	- 1.5	b	4	W			
14313	31794	215721		44.7	+44	05	5.4	.227	gG7	+ 23.3	a	8	LC	*			
14314	57 ^c 2607	215835		44.9	-19	52	8.6	.022	05	- 35.4	b	27	V	IS -26.8 a *			
14315	2 ^o 4562	215763		44.9	+57	49	8.0	.088	dF9	- 22.5	b	3	L				
14316	31802	215766		45.1	+02	38	5.7	.029	AOn	+ 15	c	5	W	SB (28)			
14317	A 16270B	.....		45.3	-14	19	7.8	.345	dG3	- 25	c	5	W			
14318	A 16270A	215812		45.3	-04	29	7.3	.364	dG3	- 22.6	b	5	W				
14319	N 7380-4	.....		45.3	-04	29	10.4	....	B0	- 44	c	5	WL	IS -19 c *	
14320	31812	215907		45.3	+57	54	6.3	.005	A0	+ 4	c	9	W	*			
14321	31813	215789		45.4	+58	13	3.7	.119	A2n	0	c	3	L				
14322	ν N 7380-3	.....		45.5	-51	35	10.5	....	B2	- 23	d	2	L		
14323	ν N Oct	215573		45.8	+57	54	5.5	*.0*39	B8	+ 16	c	7	L				
14324	31822	215874		45.8	-80	23	6.2	.030	dFO	- 5.8	b	3	W				
14325	31824	215943		45.9	-10	49	6.0	.084	gG8	- 25.1	b	7	DW	*			
14326	31825	215953		45.9	+37	09	7.2	.035	gM4	- 55.1	b	6	WL	*			
14327	AH 480	216014		46.0	+49	19	6.8	.005	B0+B0	- 20.6	b	21	V	IS -26.3 a *			
14328	30 ^o 4809	215955		46.1	+64	48	7.3	.023	B9	+ 8	c	6	S				
14329	AC 24 ^o 44 t	.....		46.1	+30	50	10.9	.18	dM0	+ 12	c	2	W	t 11		
14330	V Lac	.....		46.1	+24	29	9.0v	.004	cF8v	- 20.0	b	9	W	Cep 4.98 *		
14331	ST Peg	216026		46.6	+56	03	46.7	+27	06	8.8v	.009	gM6	+ 1	c	2	W	SR 136
14332	31834	216102		46.8	+62	40	6.2	.048	K0	- 26.6	b	4	D	LC			
14333	τ Aqr	216032		46.9	-13	51	4.2	.038	gM0	+ 1.0	a	11	LC	*			
14334	X Lac	216105		46.9	+30	50	8.9v	.002	cG3v	- 26.5	b	10	W	Cep 5.44 *			
14335	31838	216048		47.0	+56	10	6.5	.090	FOn	- 8	c	9	VS	*			
14336	A 16291A	216172		47.0	+10	13	47.3	+68	18	7.1	.133	dF4	+ 3.1	b	3	W	
14337	A 16291B	.....		47.3	+68	18	7.2	.149	dF5	+ 1.5	b	3	W			
14338	17 ^o 6603	216085		47.3	+68	18	8.3	.041	sgF3	+ 14.4	b	4	L				
14339	II Peg	216131		47.4	-16	35	3.7	.151	gG6	+ 13.9	a	17	4	*			
14340	31854	216174		47.6	+24	20	5.6	.092	gK0	- 36.3	b	3	W				
14341	7 ^o 5871	216133		47.7	+55	38	47.7	-07	22	10.2	.18	dM1	- 8	c	2	W	
14342	31855	216446		47.7	+82	53	5.0	.058	gK3	- 31.1	a	5	L				
14343	i Cep	216228		47.9	+65	56	3.7	.139	gK1	- 12.4	a	16	3	*			
14344	31858	216206		48.0	+50	25	6.4	.011	gG5	- 9.4	b	3	V				
14345	31861	216200		48.1	+41	41	5.8	*.007	B3	- 14	c	10	WV	IS -13.0 b *			
14346	31863	216149		48.2	-39	25	5.4	.026	M0	+ 27.3	a	6	LC	*			
14347	31864	216201		48.2	+18	53	6.5	.049	K0	- 38.6	b	4	D				
14348	AF Peg	216259		48.9	+17	51	8.8v	....	gM6	- 42	b	3	W	SR 65		
14349	31871	216259		48.9	+17	51	8.0	*.461	dK4	- 1.7	b	3	W				
14350	31874	216350		48.9	+13	42	7.3	.053	K4	- 1	d	1	¥				

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.	Decl.										
			h	m	°	'			km/sec					
14351	31875	216321	22	49.0	+48	28	6.9	0.043	B8n	- 16	c	6	S	
14352	31880	216720		49.3	+84	31	7.1	.049	gKO	+ 1.9	b	3	W	
14353	31881	216308		49.3	+14	49	6.9	.009	A3n	- 10	c	6	S	
14354	31884	216380		49.4	+61	26	6.1	.116	gG3	+ 1.8	b	3	W	
14355	AC 31° t	.....		49.5	+31	29	11*2	.49	dM4e	0	b	4	W	t 70565
14356	31886	216369		49.5	+41	03	6.8	.015	B9	- 18	c	10	S	
14357	31887	216411		49.6	+58	45	7.2	.022	cBOe	- 44	c	4	V	IS -20.0 b
14358	CC 1385	.....		49.7	+31	28	9.4	.50	dK5	+ 2.4	b	7	W	
14359	y PsA	216336		49.8	-33	08	4.5	.042	A0	+ 16.5	b	6	L	
14360	31896	216397		49.8	+43	03	5.2	.110	gMO	- 16.9	a	9	LW	*
14361	31898	216384		49.8	+10	09	6.7	.073	F5	+ 7	d	3	S	SB (87)
14362	<r Peg	216385		49.9	+09	34	5.3	.520	dF5	+ 11.6	a	14	3	*
14363	X Aqr	216386		50.0	-07	51	3.8	.040	gM2	- 8.8	a	11	LC	*
14364	BH Peg	.....		50.5	+15	31	10.3v	.....	.....	-260	d	1	W	RR 0.64
14365	CC 1387	.....		50.5	-14	31	10.3	1.12	dM5	+ 8.7	b	5	WMd	*
14366	31908	216489		50.6	+16	35	5.7	0.035	gK1	- 12.3	b	20	V	Orb. Harper
14367	31910	216511		50.6	+46	17	6.7	.013	B9n	- 15.2	b	9	D	
14368	31920	216538		50.9	+39	54	6.2	.009	B8	+ 6.5	b	4	S	
14369	31922	216595		51.1	+59	50	6.3	.020	sgK2	- 7	c	7	V	SB (22)
14370	29° 4797	216562		51.2	+30	30	7.5	.053	A2	- 27	d	5	D	
14371	31927	.....		51.2	+75	46	9.3	.330	dK1	+ 38.8	b	3	W	
14372	SW Lac	216598		51.4	+37	40	9.2v	.10	G3+G3	- 22.5	b	27	Md	EB 0.32 *
14373	51° 3498	235989		51.4	+52	22	9.2	.040	B4n	- 85	e	2	Md	IS -33 d
14374	31930	216608		51.4	+44	29	5.6	.022	A4	+ 12	c	9	VD	SB *
14375	31931	216567		51.5	-12	27	7.2	.062	gK2	+ 4.8	b	3	W	
14376	BO Aqr	.....		51.5	-12	38	11.5v	.....	.....	- 55	d	1	W	RR 0.69
14377	31937	216625		51.7	+19	38	7.1	.157	F8	+ 6	c	3	S	
14378	31940	216646		51.8	+40	07	5.9	.105	gK2	- 5.8	b	3	V	
14379	31942	216637		52.0	-07	28	6.3	.038	gK3	+ 9	c	3	W	
14380	S Aqr	216627		52.0	-16	05	3.5	.047	A2n	+ 18.0	b	32	3	*
14381	.....	216649		52.1	-07	14	10.5	.....	R3	- 4?	^	*>	w	
14382	31944	216640		52*1	-16	32	5.1	.242	gK4	- 36.3	b	5	w	
14383	31945	216672		52.1	+16	41	6.5	.016	gM5	+ 11.1	b	4	W	
14384	31952	216650		52.4	-48	46	6.7	.231	G5	+ 6	d	1	C	
14385	31953	216655		52*4	-48	44	7.0	.240	GO	+ 3	d	1	C	
14386	31954	216716		52.4	+31	13	7.4	.006	A0	- 8	c	4	D	
14387	31955	217157		52.4	+85	06	6.2	.112	K5	- 30	d	2	Vn	
14388	31956	216701		52.4	+00	48	6.0	.019	A3	+ 12.8	b	6	D	*
14389	31958	216723		52.5	+27	45	7.3	.026	G5	- 15.2	b	5	SV	
14390	3196Q	216718		52.6	-05	15	5.9	.028	gG7	- 8.8	b	4	W	
14391	fi Peg	216735		52.7	+08	33	5.0	.075	A0	- 10.1	b	19	3	*
14392	31964	216756		52.7	+36	49	6.0	.006	F3	- 27.5	b	5	D	
14393	79° 758	216991		53.1	+79	58	7.8	.01	go	- 12.3	b	3	W	
14394	CC 1391	216777		53.2	-08	05	8.9	.574	dG1	- 23.7	b	4	W	
14395	S PsA	218703		53.2	-32	48	4.3	.034	G3	- 11.6	a	8	LC	*
14396	31978	216831		53.4	+36	05	5.0	.019	B9	+ 0.9	b	4	S	
14397	42° 4538	216851		53.5	+43	18	7.7	.014	B3ne	- 20.1	b	5	D	
14398	31978S	2188031		51.6	-31	50	6.5	.350	dK4	+ 6	c	10	WMd	*
14399	TF Lac	216913		54.0	+53	58	11.5v	.018	N	- 17	c	2	W	Irr
14400	31984	216945		54.0	+62	10	7.1	.032	K5	- 21	d	1	V	

Cat. No.	Star	HJD. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		"	km/sec					
14401		31987	216916	22 54.1	+41	20	5.5	0.007	B3	- 6.9	b	31	Y	IS -13.2 b *
14402	CC	1392	216899	54.2	+16	17	9.0	1.079	dM2	- 19	c	9	WMd	SB (33) *
14403		31989	216946	54.2	+49	28	5.1	0.002	cK3	- 9.5	a	12	LW	*
14404		31991	216900	54.4	+11	35	6.5	.057	A3	+ 7.5	b	3	V	
14405	S	Aqr	216907	54.4	-20	37	<u>9.3</u> v	.046	gM4e	- 58	c	3	W	Em -66 *
14406		31996	216953	54.7	-05	05	6.4	.022	gG6	- 8.7	b	4	W	
14407		31998	217050	54.9	+48	25	5.2	.014	B3ne	- 11.3	b	20	4	IS -11.3 a *
14408		31999	217382	54.9	+84	05	5.0	.102	gK5	+ 2.9	a	5	L	
14409	a	PsA	216956	54.9	-29	53	1.3	.367	A2	+ 6.5	a	11	L	
14410		32002	217019	55.0	+03	33	6.4	.076	K0	+ 10.7	b	4	D	
14411		32003	217014	55.0	+20	30	5.6	.208	dGO	- 31.2	b	9	VW	*
14412		32010	217101	55.4	+39	02	6.1	.008	B2	- 15.5	b	5	V	IS -13.4 b *
14413	BI	Peg	.....	55.4	+17	45	8.0v	.031	gM6	- 20	c	2	W	SR 120
14414	A	16407A	217294	55.6	+78	14	8.0	.148	gG5	- 22.3	b	3	W	
14415	A	16407B	.....	55.7	+78	14	9.0	.135	dF6	- 24.6	b	3	W	
14416	TV	And	.....	55.8	+42	28	8.4v	.010	gM5e	- 50	c	2	W	SR 114
14417		32018	217131	55.8	-01	41	6.4	.084	F2	- 13.9	b	4	S	
14418		32021	217166	56.0	+09	05	6.5	.420	dG1	- 26.5	b	4	W	
14419		32023	217186	56.2	+07	04	6.3	.089	A0	- 0.7	b	7	SV	*
14420		32029	217227	56.5	+43	34	7.0	.014	B3	- 14.4	b	4	V	IS -11.0 b *
14421		32032	217297	56.6	+63	26	7.4	.012	B0	- 10.1	b	4	V	IS -10.6 b
14422		32034	217232	56.7	+11	28	5.8	.047	FO	+ 20	c	8	VY	*
14423		32036	217236	56.9	-29	44	5.5	.013	A5n	0	c	6	L	
14424		32037	217264	56.9	+00	42	5.6	.105	gK1	- 12.7	b	8	VW	*
14425		32038	217251	57.0	-13	20	6.3	.016	gK5	+ 12.7	b	3	W	
14426		32039	217314	57.0	+52	23	6.4	.044	K2	+ 27.5	b	4	D	
14427		32040	.....	57.0	+68	45	8.4	.661	dK0	- 26	c	3	W	
14428	29°	4828	.....	57.1	+29	49	8.9	.068	G5	* - 19	c	5	D	SB (42)
14429	C	2999	217276	57.1	-16	40	8.0	.207	dGO	+ 52	c	2	L	
14430		32049	217303	57.4	-25	26	5.8	.081	gK0	- $\frac{1}{2} \pm \frac{1}{10} \frac{v}{v_0}$	b	3	W	
14431		32054	217357	57.6	-22	48	8.1	.915	dM1	+ 16.6	b	4	W	
14432	t	Gru	217364	57.9	-53	01	4.2	.068	G4	- 1.1	b	24	LC	SB *
14433		32063	217476	58.0	+56	41	5.5	.009	cG3	- 58.3	a	11	3	*
14434		32065	217428	58.1	-00	05	6.4	.041	gG4	- 15.8	b	3	W	
14435		32067	217459	5a.2	+02	45	6.0	.082	gK4	+ 19.1	b	7	DW	*
14436		32068	217403	58.2	-51	13	5.6	.073	K2	+ 7.8	b	3	L	
14437		32071	217491	58.3	+45	06	6.4	.006	A3	- 4.1	b	12	DV	*
14438		32072	217477	58.3	+30	49	6.5	.028	B9	+ 1	c	9	DV	*
14439		32073	217543	58.6	+38	26	0.4	.000	B3ne	- 16	c	11	V	IS -9 c We
14440		32079	217531	58.8	-07	20	6.4	.022	g&5	- 2.1	b	3	W	
14441	43°	4371	217587	59.0	+43	55	7.2	.013	A7n	+ 5.2	b	4	D	
14442		32083	217577	59.1	+19	00	8.0	.167	dG2	- 2	c	5	L	
14443		32089	217580	59.3	-04	07	7.0	.451	&K4	- 46	c	5	WL	SB •
14444		32091	217673	59.4	+56	50	6.5	.007	K2	- 5.5	b	4	D	
14445	VY	And	.....	59.8	+45	37	9.6v	.065	R8	- 7	e	2	W	Lrr?
14446	59°	2625	217711	59.6	+59	55	7.5	.031	K5	- 15	d	1	V	
14447	B2 ^m	2157	217730	59.6	+53	00	7.3	.013	K7	* - 21	d	1	V	
14448	50*	S§11	217894	59*6	+50	34	7 A	*022	gK4	- 81.2	b	3	LV	•
14449	o	And	217875	§9.0	+42	BZ	3.6	.022	B7e	- 14.0	a	71	5	IS -11.2 b •
14450	§	320ii	<i>tnm</i> %	59.6	*4?	41	7.5	.020	A0	- 3	c	5	D	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
14451	UY Cas	.....	22	59.9	+57	22	9.6v	.....	gM4e	- 4	c	3	W	SR 102
14452	32100	217731		59.9	+44	18	6.5	0.020	G7	- 9.0	b	4	D	
14453	32102	217701		59.9	-06	51	6.5	.034	gM2	- 8	c	3	W	
14454	32107	217754	23	00.2	+31	31	6.5	.016	dF2	- 17.2	b	10	DV	*
14455	32110	217782		00.3	+42	29	5.1	.052	A2n	+ 2	c	16	3	SB *
14456	32112	217817		00.3	+59	35	6.9	.012	B3	- 33.3	b	4	V	IS -20 c
14457	56° 2933	240174		00.4	+56	50	8.6	.113	dG5	- 38.7	b	3	W	
14458	32114	217811		00.5	+43	47	6.4	.002	B3	- 8.3	b	4	L	
14459	32117	217786		00.6	-00	42	7.7	.197	dF9	+ 7	c	2	L	
14460	56° 2934	240171		00.6	+56	52	<u>9.1</u>	.048	B2	- 19	d	2	Md	IS -12 d
14461	32118	217813		00.6	+20	39	6.7	.123	GO	- 3.2	b	3	S	
14462	32119	217872		00.6	+63	04	7.0	.028	K2	- 10	d	1	V	
14463	TT PsA	217792		00.7	-35	01	5.1	.112	F1	- 14	c	15	CL	SB *
14464	30° 4867	217888		01.2	+30	48	8.1	.020	A2	0	d	4	W	SB (125)
14465	32130	217944		01.2	+58	18	6.5	.068	G5	+ 14.8	b	4	D	
14466	32133	217943		01.3	+60	11	6.6	.007	B3	- 17	c	8	V	IS -13 c
14467	3 Psc	217891		01.3	+03	33	4.6	.008	B5e	+ 0.3	a	31	4	IS -1.9 a *
14468	/3 Peg	217906		01.3	+27	49	2.6	.234	gM2	+ 8.7	a	52	8	*
14469	32139	217926		01.5	+06	21	6.3	.016	F2	+ 4.0	b	4	S	
14470	32141	217831		01.6	-69	05	5.6	.079	F0	+ 4	e	2	L	SB (78)
14471	32142	218029		01.6	+66	56	5.5	.028	gK3	- 7.0	b	6	LW	*
14472	RW Peg	217949		01.7	+15	02	8.9v	.....	gM3e	- 76	c	2	W	Em -86 *
14473	K Gru	217902		01.7	-54	14	5.3	.126	M0	+ 17.7	a	11	LC	*
14474	32144	218031		01.9	+49	47	4.9	.233	gG8	- 34.6	a	11	3	*
14475	CW Cep	218066		02.0	+63	07	My	.003	B3+B3	- 9.9	b	23	V	EA 2.73 *
14476	32147	218043		02.2	+31	02	6.8	.063	dF2	- 7.5	b	10	3	*
14477	α Peg	218045		02.3	+14	56	2.6	.071	AOn	- 3.5	b	24	4	*
14478	65° 1846	.....		02.5	+66	30	9.9	.31	dM1	+ 21	e	2	W	
14479	32153	218060		02.6	-07	58	5.6	.124	dFOn	- 13	c	8	WS	SB *
14480	32157	218097		02.6	+33	07	7.3	.022	AOn	+ 5	c	5	D	
14481	32158	218101		02.6	+16	18	6.4	.271	dG9	- 27.4	b	3	V	
14482	32159	217987		02*6	-36	09	7.4	6.897	dM2	+ 9.7	b	7	LW	*
14483	27° 4487	218113		02.7	+27	56	8.6	0.016	K2	- 27	c	5	£	SB (24)
14484	32160	218081		02.7	-08	01	7.6	.012	gKO	- 24.4	b	7	WL	SB (22) *
14485	32162	218103		02.7	+01	02	6.4	.038	G8	- 12.4	b	4	D	
14486	32167	218187		03*0	+58	28	7.2	.014	K0	- 29	d	1	V	
14487	25° 4870	218153		03.0	+25	45	7.9	.042	KB	- 81.6	b	5	D	
14488	32169	218154		03.0	+24	23	7.0	.027	AO	+ 8.7	b	18	S	Orb. Albitzky
14489	32170	218155		0X1	+14	41	6.8	.024	AO	+ 12	c	7	S	
14490	32171	218170		03.1	+28	43	7.4	.077	gM2	- 56.5	b	7	DL	*
14491	32173	218209		03.1	+68	09	7.5	.623	dG3	- 18.2	b	8	W	
14492	10° 6208	218159		03.2	-15	43	8.1	.052	dF3	+ 8	c	2	L	
14493	29* 4855	218199		03.4	+30	27	8.3	.010	gG7	- 6.7	b	8	DW	*
14494	18* 5105	218234		03.7	+18	43	7.6	.009	gG8	+ 14	c	2	L	
14495	32178	218235		0X8	+18	15	6.1	.235	dF4	- 12.0	b	9	DV	SB *
14496	32182	218240		04.0	-24	01	4.8	.063	gG9	+ 15.2	a	6	L	
14497	32183	218261		04.0	+19	38	8.4	.291	dGO	- 5	c	6	DMd	*
14498	\$ Gru	218227		04.1	-43	47	4.4	.050	F4	+ 9.6	a	5	L	
14499	32185	218342		04.1	+62	57	7.5	.015	B2	- 13	c	11	V	IS -7.6 b
14500	32186	218242		04.1	-39	10	5.0	.038	AOn	+ 16	c	3	L	

Cat. No.	Star	R.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	o	'			km/sec					
14501	R Peg	218292	23	04.1	+10	16	6.9v	0.028	gM7e	+ 20	c	2	W	Em +6 *
14502	30° 4875	218300		04.2	+30	45	8.4	.026	gK0	- 4.1	b	3	W	
14503	29° 4858	218301		04.2	+30	21	8.0	.030	dA8n	-r 2	c	5	W	
14504	50° 3946	218344		04.3	+50	49	7.2	.014	B3	- 12.7	b	5	V	
14505	32196	218329		04.5	+09	08	4.7	.014	gM2	- 5.4	a	11	3	*
14506	32197	218376		04.5	+59	09	4.9	.008	cB1	- 8.5	b	32	3	IS -11 c *
14507	32199	218347		04.6	+16	00	9.3	.116	dF6	- 22.5	b	3	W	
14508	32201	218356		04.7	+25	12	5.0	.031	cK0	- 26.8	a	44	3	SB *
14509	53° 3076	236044		04.8	+54	30	9.3	.022	B0	- 37	d	2	Md	IS -18 e
14510	32204	218393		04.9	+49	55	6.8	.010	Aev	- 15	c	40	WcV	IS -10.2 a *
14511	32205	218416		04.9	+52	33	6.3	.012	K0	+ 4.7	b	4	D	
14512	32208	218407		05.0	+45	48	6.6	.001	B3	- 15.1	b	27	V	IS -9.1 b *
14513	SW Cas	.....		05.0	+58	17	10.0v	.006	cG5v	- 38.0	b	11	W	Cep 5.44 *
14514	32209	218396		05.0	+20	52	5.9	.123	A5	- 11.5	b	4	V	
14515	32210	218440		05.1	+59	27	6.3	.004	B3	- 4.6	b	34	V	IS -9.8 b *
14516	32211	218395		05.1	+32	33	6.0	.029	A3	- 1	c	11	DV	*
14517	32215	218428		05.3	+29	47	7.3	.027	A0	+ 3.4	b	14	SD	*
14518	58° 2547	218468		05.3	+58	45	7.4	.023	K0	- 12	d	1	V	
14519	32216	218452		05.4	+46	07	5.6	.034	gK5	- 6.2	b	3	W	
14520	32217	218454		05.4	+30	10	7.5	.024	gK4	- 20.6	b	7	DW	*
14521	32220	218470		05.5	+49	01	5.8	.198	dF3	- 2.0	b	5	LW	*
14522	32222	218472		05.5	+31	11	7.3	.012	A4	- 2.2	b	6	D	
14523	32228	218537		05.7	+63	22	6.2	.001	B3	- 35.9	b	4	V	IS -10 c
14524	32231	218525		05.9	+44	17	6.4	.020	A2	+ 2	c	8	DV	*
14525	29° 4867	.....		05.9	+29	57	8.5	.047	gK0	+ 3.6	b	4	W	
14526	32232	218560		05.9	+63	57	6.4	.008	G8	- 28.0	b	4	D	
14527	29° 4868	.....		05.9	+30	11	8.4	.009	G5	- 7.9	b	4	D	
14528	28° 4533	218538		06.1	+28	55	7.5	.026	A5n	- 7.8	b	6	D	
14529	32233	218527		06.1	+01	51	5.6	.177	sgG4	- 17.8	b	3	W	
14530	7T Cep	218658		06.3	+75	07	4.6	.027	gG1	- 18.6	a	27	V	Orb. Harper
14531	30° 4885	.....		06.3	+30	36	9.0	.037	gA8	+ 1.6	b	4	W	
14532	ε-Y Peg	218549		06.4	+16	57	10.1v	.....	A6v	- 25	c	10	Md	RR 0.07
14533	32241	218566		06.6	-02	32	8.3	.631	dK5	- 40.9	b	4	W	
14534	26° 4570	218610		06.7	+26	39	7.6	.012	K0	- 13	c	5	D	SB (33)
14535	32246	218594		06.8	-21	27	3.8	.065	gK1	+ 21.1	a	11	LC	*
14536	32249	218672		06.9	+62	38	7.2	.015	G9	+ 1	d	1	V	
14537	32252	218634		07.0	+08	24	5.4	.006	gM4	+ 14.0	a	9	LW	*
14538	32253	218674		07.0	+49	23	6.5	.010	B3n	- 4	c	6	V	IS -10.2 b *
14539	CC 1404	.....		07.0	+00	28	10.2	1.29	sdG2	-113.3	b	5	WMd	*
14540	32257	218660		07.1	+29	24	6.8	0.034	K0	+ 9	c	8	DS	*
14541	32262	213640		07.2	-22	44	4.9	.024	sgG2	- 4.8	a	10	L	HD G0+G2
14542	32263	218723		07.2	+64	56	6.6	.032	B3	- 12.3	b	4	V	IS -14.8 b
14543	32267	218700		07.5	+09	33	5.3	.020	B8n	+ 9	c	22	3	*
14544	t Gru	218670		07.5	-45	31	4.1	.135	G5	- 4.4	a	59	CL	Orb. *
14545	32272	218753		07.6	+59	04	5.6	.012	dA9	- 12.0	b	4	WV	*
14546	32277	218739		07.7	+47	41	6.6	.113	dG0	- 7.9	b	4	W	
14547	49° 4059	218766		07.7	+49	43	7.4	.015	G9	+ 9	d	1	V	
14548	3228Q	218707		07.9	+32	15	6.9	.013	B9n	- 1.7	b	14	SD	*
14549	32208	218804		08.1	+43	17	5.8	*272	dF3	- 43.4	b	5	xv	
14550	32291	218792		08.2	+17	19	5.9	.033	gK4	+ 1.8	b	9	DW	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'			km/sec					
14551	.....	218851	23	08.5	+46	02	9.5	....	R2	- 49	c	2	W	
14552	30° 4896	218852		08.6	+30	53	7.6	0.025	gG8	+ 5	c	2	L	
14553	32299	218853		08.7	+04	44	6.9	.007	gM5	- 6.2	b	3	W	
14554	52° 3383	218915		08.9	+52	47	7.1	.004	09	- 72.0	b	5	V	IS -25 c
14555	RT And	.....		08.9	+52	45	<u>9.0</u> _v	....	G0+K1	+ 20	b	25	Md	EA 0.63 *
14556	21° 6376	218875		09.0	-21	16	9.4	.022	R0	+ 32	c	2	W	
14557	32302	218918		09.2	+08	27	5.2	.013	B9n	+ 10	c	20	4	*
14558	SS And	218942		09.2	+52	37	<u>10.0</u> _v	....	gM6	- 22	c	4	W	SR 152
14559	32305	218935		09.4	+26	35	6.4	.227	sgKO	- 10.2	b	8	VW	*
14560	V Cas	218997		09.5	+59	26	6.7 _v	.074	gM6e	- 30.5	b	3	W	Em -47.6 b *
14561	32307	219063		10.0	+64	27	7.2	.010	B5	+ 142	b	4	V	
14562	32316	219080		10.3	+49	08	4.6	.132	dF2	+ 12.5	b	8	LV	SB *
14563	-0° 4483	219066		10.4	-00	14	7.7	.006	gG6	0	c	2	L	
14564	32320	219110		10.6	+29	10	6.3	.047	G7	+ 3.8	b	5	D	
14565	32324	219127		10.7	+39	44	7.4	.082	dA8n	+ 0.1	b	3	W	
14566	32329	219134		10.9	+56	54	5.6	2.092	dK5	- 17.8	b	9	VW	*
14567	32331	219139		10.9	+10	48	5.9	0.017	gG5	+ 16.4	b	8	DW	*
14568	CC 1407	.....		11.3	+39	09	11.0	.57	sdF6	- 32	d	3	Md	
14569	32340	219188		11.5	+04	43	6.9	.025	B2n	+ 48	c	5	V	IS -13 c *
14570	A 16611A	219175		11.5	-09	12	8.3	.552	dF5	- 31.8	b	4	W	
14571	A 16611B	.....		11.5	-09	12	9.7	.552	dG2	- 24	c	7	W	SB (37)
14572	(j> Aqr	219215		11.7	-06	19	4.4	.195	gM2	- 0.4	a	6	L	
14573	32348	219291		11.9	+29	30	6.4	.016	F2	+ 9.4	b	9	DS	*
14574	32350	219290		11.9	+50	21	6.2	.034	A0	- 13.8	b	4	V	
14575	32355	219310		12.1	+23	50	6.5	.110	K1	- 26.8	b	4	D	
14576	32357	219263		12.2	-41	23	5.8	.159	KO	+ 26	d	1	L	
14577	K 19-315	.....		12.3	+59	19	11.0	....	B1	- 68	c	3	Md	IS -39 c
14578	TY And	219346		12.4	+40	31	7.9 _v	".005	gM6e	- 6	b	3	W	SR 135
14579	32362	219361		12.5	+27	48	7.0	.024	AO	+ 2.4	b	11	SD	*
14580	14° 6429	219364		12.7	-14	18	7.6	.043	dG9	+ 9.0	b	3	W	
14581	32366	219485		12.8	+73	58	5.7	.049	AO	- 2.8	b	4	D	
14582	32368	219418		12.9	+25	24	6.7	.017	KO	+ 39.0	b	5	D	
14583	32369	219402		13.0	-03	46	5.6	.018	A2	+ 11	d	4	S	SB (57)
14584	A 16633B	219430		13.2	-09	21	9.8	.377	dK6	- 25	c	4	W	
14585	A 16633A	219449		13.3	-09	22	4.5	.368	sgKD	- 26.4	a	17	3	*
14586	32375	219477		13.3	+27	58	6.5	.012	gG3	+ 40	b	4	W	
14587	32376	219523		13.4	+64	00	7.1	.008	B5	- 14	c	5	V	
14588	33 ^m 4674	219497		13.5	+34	25	8.0	.016	sgP6	+ 56	c	2	L	
14589	32380	219487		13.5	+24	90	8.5	.089	F2	+ 5.1	b	6	S	
14500	32388	219580		13.7	+70	37	5.6	.018	A3	+ 12	e	2	Vn	SB (75)
14591	32391	219538		13.8	+3G	24	8.1	.338	KO	+ 9.0	b	4	D	
14592	K 19-363	.....		13.9	+60	04	11.3	....	B2	- 76	c	3	Md	IS -18 c
14593	32393	219482		140	-62	IS	5.7	*.173	G0	- 9	c	1	L	
14594	32395	219542		14.0	-01	52	8.3	.177	dG4	- 16.5	b	8	W	
14595	V Aqr	219578		143	-08	00	5.1	*.024	gM5	- 154	a	10	3	*
14596	32403	219634		143	+61	41	6.5	.014	B9n	- 8	c	21	D	SB
14597	3248i	219623		144	+52	57	5.6	.262	dF7	- 213	b	7	VW	*
14598	32412	219817		145	-14	00	8.3	1.202	sdASp	+ 10.1	b	10	Wmd	*
14599	y Ti2C	219571		14.5	-58	31	4.1	0.090	<i>m</i>	+ 18.4	a	7	L	
14600	z Psc	210615		14.6	+03	01	3.8	.786	gGS	- 13.6	a	34	7	*

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	<i>u</i>		km/sec					
14601	29° 4895	219654	23	14.8	+29	36	7.9	0.020	K5	+ 3.8	b	4	D	
14602	32418	219668		14.9	+44	54	6.6	.114	sgKO	- 38.1	b	6	V	
14603	32420	219657		15.0	-01	48	8.2	.265	dG4	- 47.3	b	3	W	
14604	32423	219675		15.1	+18	02	6.7	.071	A8	+ 13	c	5	D	
14605	32427	219699		15.3	+30	45	7.2	.031	F0	- 26.5	b	6	D	
14606	32428	219712		15.3	+33	46	7.0	.014	F5	+ 1.2	b	3	S	
14607	32429	219688		15.3	-09	27	4.6	.016	B5n	- 6	c	16	LY	*
14608	32430	219702		15.3	-14	04	6.8	.012	gK2	- 8.6	b	6	LW	*
14609	<t> Gru	219693		15.4	-41	06	5.6	.182	F0	+ 14	d	1	L	
14610	32432	219734		15.4	+48	45	5.0	.035	gM2	- 8.0	a	9	LV	*
14611	32434	219736		15.5	+30	11	7.2	.065	K0	- 4	c	4	D	SB (12)
14612	32436	219841		15.5	+75	02	6.4	.023	A2	- 8	c	4	V	
14613	14° 4967	219738		15.6	+15	20	8.2	.073	dF8	- 52.3	b	3	W	
14614	AC And	.....		15.7	+48	31	<u>11.0</u> v	.....	.....	- 70	d	1	W	RR 0.53
14615	A 16661A	.....		16.0	+46	59	7.7	.....	B9	- 16.2	b	3	W	
14616	A 16661B	.....		16.0	+46	59	10.1	.....	A0	- 24	d	3	W	
14617	AN And	219815		16.0	+41	30	6.0	.014	A7+A	- 3.9	a	41	0	EB 3.22 *
14618	y Scl	219784		16.1	-32	48	4.5	.068	sgG8	+ 15.6	a	9	LC	*
14619	17° 4896	219828		16.3	+18	22	8.0	.013	sgGO	- 23	c	3	L	
14620	32458	219829		16.3	+05	08	8.6	.484	dK1	- 14.3	b	3	W	
14621	32459	219832		16.4	-09	53	5.2	.040	AOn	- 10	d	9	YL	*
14622	A 16672B	.....		16.5	-13	44	7.6	.317	dK3	+ 8.0	b	5	W	
14623	A 16672A	219834		16.5	-13	44	5.6	.309	dG4	+ 10.2	b	25	LC	SB *
14624	o Cep	219916		16.6	+67	50	4.9	.061	gG7	- 18.2	a	15	4	*
14625	32465	219891		16.7	+44	52	6.5	.055	A2	+ 7.3	b	3	V	
14626	32467	219879		16.8	-18	21	6.1	.026	gK3	+ 4.7	b	3	W	
14627	32468	219877		16.8	-05	24	5.7	.197	dFO	- 9.2	b	21	SW	SB (77) *
14628	32473	219927		17.0	+34	31	6.1	.014	B9	- 1	c	6	3	*
14629	32476	219945		17.2	+48	21	5.4	.058	gKO	+ 11.4	a	13	3	*
14630	32479	210978		17.2	+62	28	7.1	.021	K5	- 19	e	1	V	
14631	32482	219962		17.3	+48	06	6.4	.208	gK1	+ 22.6	b	3	W	
14632	W Peg	219946		17.4	+26	00	7.3	.05	gM7e	- 21	c	3	WMi	Em -35 *
14633	32484	219953		17.5	+28	36	8.8	.710	dK3	- 51	c	3	W	
14634	32485	219981		17.5	+41	48	6.0	.039	gMO	+ 3	c	3	W	
14635	32486	220007		17.6	+56	58	7.2	.007	gMO	+ 2.0	b	4	W	*
14636	32489	219983		17.7	-04	11	6.6	.302	dGO	- 14.1	b	3	W	
14637	32490	219992		17.7	+22	49	6.8	.004	K2	- 1.8	3	S		
14638	6° 5143	220008		17.8	+06	36	7.8	.GB2	dG4	- 15.4	b	3	L	
146S9	32491	220009		17.8	+05	06	5.2	.096	gKO	+ 38.4	b	6	LW	*
14640	32492	220057		17.8	+60	53	6.8	.018	B5	- 41	c	11	V	
14641	32493	220140		17.8	+78	44	7.7	.232	dKO	- 16.8	b	5	WL	*
14642	S Peg	220033		18.0	+08	39	7.2	.032	gM6e	+ 5	c	2	WMi	Em -7 *
14643	32409	220074		18.0	+61	42	0.6	.009	KB	- 35.3	b	4	D	
14644	32501	220102		18.1	+60	00	6.7	.007	cF3	- 24	c	7	DW	*
14045	r Peg	<i>tmmt</i>		18.2	+23	28	4.6	.029	A5n	+ 16.0	to	21	3	*
14M6	H° 4074	220078		18.2	+14	46	7.8	.041	dA5a	- 15.6	b	4	W	
14S47	32508	220105		18.4	+43	51	6.1	.032	A3	- 1.8	b	3	V	
14S48	32507	»G§88		18.4	+30	09	5.8	.103	gMO	- 19.2	b	6	W	
14S4i	82508	2201SQ		18.4	+§1	56	6.4	MI	12	• 23,4	b	4	D	
14050	32SOS	220011		18.5	+16	59	6.6	.102	A9	- 19	c	5	D	

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
14651	32510	220117	h	m				km/sec					
14652	60° 2522	.....	23	18.5	+ 37 55	5.8	0.134	dF5	- 8.7	b	9	VW	*
14653	XY Aqr	.....		18.5	+60 55	8.0	.024	Bin	- 26	d	4	WV	
14654	A 16993A	220149		18.8	-17 57	9.4v	* ..	gGOv	+ 10	b	7	W	SR? *
14655	A 16993B	.....		18.8	+35 10	9.0	.008	gG8	+ 5.1	b	4	W	
				18c8	+ 35 10	9.1	....	gK2	- 35	c	4	W	
14656	32516	220167		18.9	+60 12	7.4	.066	K5	- 65	d	1	V	
14657	32520	220182		19.2	+43 49	7.6	.673	dK1	+ 1.6	b	3	W	
14658	10° 6098	220172		19.3	-10 02	7.5	.032	B3	+ 12.6	b	7	L	
14659	32522	220222		19.5	+ 31 32	5.4	.010	B8n	+ 2	c	8	YL	IS -12 c *
14660	32524	220242		19.5	+26 20	6.6	.125	F2	+ 9.6	b	7	DS	
14661	32530	220288		20.0	+25 39	6.6	.022	K2	+ 22	c	4	D	SB(16)
14662	32531	220278		20.0	-15 19	5.3	.109	A3n	- 12	d	7	LY	
14663	32532	220382		20.0	+75 31	8.0	.017	gK1	- 14.9	b	3	W	
14664	32535	220318		20.2	+20 33	6.2	.022	A2	- 14	c	19	3	SB(58) *
14665	A 16713A	220334		20.3	+20 17	6.6	.311	dGO	- 22.4	b	3	W	
14666	A 16713B	.....		20.3	+20 17	9.6	....	dK6	- 22	c	2	W	
14667	32538	220369		20.3	+59 52	5.9	.004	gK5	- 11.7	b	3	W	
14668	32540	220321		20.3	-20 22	4.2	.158	gKO	- 6.5	a	11	3	*
14669	32541	220339		20.5	-11 03	8.0	.508	dK2	+ 35.9	b	3	W	*
14670	32543	220363		20.6	+ 12 02	5.3	.026	gK4	- 3.8	a	11	3	
14671	32545	220373		20.6	+15 48	8.6	.138	dGO	+ 4.6	b	3	W	
14672	K 19-1778	.....		20.7	+61 51	11.1	....	07	- 67	e	2	Md	IS -17 e
14673	32553	220436		21.2	-08 44	7.1	.017	gK1	- 8.5	b	3	W	
14674	32557	220460		21.3	+32 15	6.5	.231	dF3	+ 10.2	b	6	W	
14675	MSB 42	.....		21.4	+55 42	9.5	....	R8	- 34	d	2	W	
14676	32560	220466		21.4	-22 03	6.5	.112	dF2	+ 24.5	b	3	W	
14677	32562	220501		21.6	+29 24	7.0	.004	B8	+ 2	c	7	S	
14678	A 16730A	220512		21.7	+03 26	6.8	.033	gK2	- 13.5	b	3	W	
14679	A 16730B	.....		21.7	+03 26	8.8	....	dF4	- 19.4	b	4	W	
14680	RU Aqr	.....		21.8	-17 36	9.0v	....	gM6	+ 26	c	3	W	SR 68.7
14681	32571	220562		21.8	+57 16	6.8	.009	B5	- 3.7	b	4	V	
14682	76° 915	220636		22.1	+77 14	7.9	.01	dF6	- 21.6	b	3	W	ED F&fA2
14683	32574	220575		22.2	+40 50	6.5	.014	B9	- 3	c	6	V	SB(26)
14684	32576	220598		22.3	+36 05	6.8	.008	B5n	- 20	c	6	V	SB
14685	57° 2735	.....		22.3	+57 35	10.2	.22	dM2	- 5	c	2	W	
14686	24° 4770	220582		22.3	+25 13	7.2	.022	B7e	+ 5	c	7	W	
14687	32577	220599		22*4	+32 07	5.5	.009	A0	+ 17.6	b	13	S	*
14688	32579	220572		22.5	-57 07	5.6	.081	K0	- 19.3	b	3	4	*
14689	32582	220652		22.6	+62 00	5.2	.011	gM2	- 37.3	b	5	L	*
14690	v Peg	220657		22.9	+23 08	4.6	.192	dF6	- 11.1	b	17	EVn	*
14691	32589	.....		23.0	+69 41	9.2	.185	dG4	- 11.6	b	3	W	
14692	25° 4934	220684j		23.1	+25 55	8.4	.030	K0	- 2	c	5	D	SB(20)
14693	32592	220719j		23.3	+52 42	6.9	.022	gM4	+ 3.7	b	3	W	
14694	32594	220704j		23.4	-20 55	4.5	.078	g&5	+ 15.7	a	15	3	*
14695	NGC 7662	220733j		23.5	+42 15	....	....	Pe	- 12.2	a	15	L	Em PL neb. *
14696	32595	220781j		23.5	+68 41	7.0	<.050	K1	- 47	d	1	V	
14097	32598	220750j		23.6	+39 04	6.8	.028	AOn	- 4.4	b	7	S	
14698	K 19-1233	.....		23.8	+60 26	11.3	* ..	B4	- 24	c	3	Md	IS -26 d
14699	vo Gru	220729j		23.8	-53 00	5.5	.125	FO	+ 18	d	8	L	SB(58)
14700	32605	220773j		23.9	+08 22	7.1	.188	F9	- 42	c	3	S	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	o	'	''		km/sec					
14701	32606	220766	23	24.0	-22	01	6.6	0.053	gKO	+ 11.1	b	3	W	
14702	32611	220819		24a	+60	49	6.7	.007	gA5	+ 1.4	b	3	W	
14703	32612	220841		24a	+70	25	6.7	.047	A2	- 15.0	b	6	V	
14704	59° 2723	.....		24.2	+60	20	<u>10.5</u>	.466	sdFO	-100	d	5	Md	
14705	32616	220821		24.2	+45	04	7.4	.148	dF9	- 1.3	b	3	W	
14706	K PSC	220825		24.4	+00	59	4.9	.125	A3	- 3.2	a	47	6	*
14707	32621	220802		24.4	-50	26	6.3	.024	39	- 0.8	b	4	L	
14708	32624	220790		24.4	-58	45	5.6	.084	KO	- 11.3	b	3	L	
14709	32625	221142		24.5	+86	09	6.6	.030	FO _n	- 12	c	4	D	
14710	48° 4051	220870		24.5	+49	15	9.7	.012	N	- 18	c	2	W	
14711	2° 5958	.....		24.5	-01	33	10.5	.47	dMO	+ 27	c	2	W	
14712	32628	220858		24.7	+00	51	6.4	.050	gG7	- 7	c	8	VW	SB *
14713	32629	220885		24.7	+42	38	5.6	.090	B9	- 9	c	5	V	SB (20)
14714	32631	220876		24.8	-13	12	7.5	.033	gM3	- 18.8	b	4	W	
14715	43° 4462	220910		24.9	+43	36	8.0	.004	gK5	- 14.3	b	3	W	
14716	32639	220974		25.1	+70	05	5.6	.118	A2	- 3	e	2	V _n	SB (90)
14717	32640	220933		25.2	+24	54	5.9	.045	AO	- 15.7	b	7	V	
14718	32641	220963		25.2	+63	39	7.4	.016	K2	- 6	d	1	V	
14719	32° 4649	220951		25.3	+32	43	7.4	.040	dA6 _n	- 9	c	4	W	
14720	0 Psc	220954		25.4	+06	06	4.4	.134	gKO	+ 5.8	a	12	3	*
14721	58° 2595	220999		25.6	+59	25	7.4	.049	A3 _n	- 26	c	4	W	
14722	15° 4829	.....		25.9	+15	48	9.5	.128	dK5	- 42	c	2	W	
14723	32657	221006		26.1	-63	23	5.7	.039	AO _p	+ 15.3	b	4	L	
14724	32664	221124		26.5	+53	23	7.1	.056	KO	- 28	d	1	V	
14725	32665	221114		26.5	+15	44	7.0	.007	A2	+ 3	c	5	D	
14726	32666	221113		26.6	+22	46	6.4	.101	KO	+ 19.6	b	4	D	
14727	32667	221115		26.6	+12	29	4.7	.066	gG9	- 14.8	a	17	4	*
14728	25° 4945	221133		26.8	+25	33	7.9	.016	K2	- 25.8	b	4	D	
14729	32671	221147		26.9	-02	04	6.6	.025	gKO	+ 12	c	4	W	
14730	32672	221146		26.9	-01	19	7.1	.036	dGO	- 14.4	b	3	W	
14731	32673	221148		26.9	-04	48	6.4	.286	sgK3	- 25.0	b	5	W	
14732	32674	221215		27.0	+74	57	6.5	.014	AO	- 16.8	b	4	D	
14733	29° 4940	221170		27.1	+30	10	8.2	.051	KO	-119	c	4	D	
14734	58° 2600	240311		27.2	+59	19	<u>10.7</u>	.055	B6	- 12	d	2	Md	
14735	32679	221237		27.6	+58	16	7.1	.013	B9 _n	- 3.8	b	11	DS	*
14736	32680	221525		27.6	+87	02	5.6	.082	dA8	- 10.9	b	3	W	
14737	AR Cas	221253		27.7	+58	16	4.7 _v	.019	B3	- 15.9	a	83	AY	IS -9 c W2 *
14738	32684	221246		27.7	+48	51	6.4	.031	gK4	+ 6.0	b	4	D	
14739	30° 4962	221247		27.8	+31	06	8.2	.027	dF2	- 3	c	2	L	
14740	32687	221264		28.0	+30	33	7.3	.074	dF5	- 21	c	4	W	SB 2-sp
14741	32689	221257		28.0	-24	28	7.5	.068	dG3	- 24.5	b	3	W	
14742	32692	221293		28.2	+38	23	6.2	.040	G8	- 9.3	b	4	D	
14743	43° 4475	221303		28.3	+43	42	8.1	.018	gG9	+ 8.3	b	3	W	
14744	32697	221327		28.6	+18	30	7.4	.019	A3	- 3 ^o	b	4	W	
14745	32699	221405		28.7	+77	37	7.0	.012	AO	- 0.6	b	4	D	
14746	32TO3	221345		28.8	+38	58	5.3	.295	gG8	- 58.8	a	12	3	*
14747	32707	221354		28.9	+58	53	6.8	1.085	dK2	- 25.1	b	5	WV	*
14748	32708	221356		28.9	-04	22	0.5	0.251	dGO	- 11.1	b	4	W	
14749	32710	221364		29.0	+28	23	6.7	.020	KO	- 5.0	b	4	D	
14750	32714	221357		29.1	-21	39	6.2	•008		- ft	d	5	W	SB (67)

Cat. No.	Star	E.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	"		km/sec					
14751	58° 2608	240319	23	29.2	+58	49	10.4	0.024	B4	- 50	e	2	Md	IS +5 d
14752	19° 5116A	.....		29.2	+19	40	10.3	.53	dM4e	- 1	b	5	W	
14753	19° 5116B	.....		29.2	+19	40	12.8	.....	dM6e	- 4	c	6	W	
14754		32719		221394	29.2	+28	08	6.2	A0	- 6.2	b	7	V	
14755	59° 2740	221438		29.4	+60	16	9.2	.021	A4	- 5.6	b	3	W	
14756		32724		221409	29.4	-01	22	6.5	gK1	- 22.5	b	3	W	
14757		32732		221445	29.7	+06	49	6.8	dF6	- 12.2	b	6	D	*
14758		32733		221537	29.7	+77	33	7.1	A0	- 4	c	4	D	
14759	25° 4955	221469		29.8	+26	17	8.1	.044	G5	- 15.3	b	5	D	
14760	34° 4947	221477		29.9	+35	04	8.1	.124	dF8	+ 13	c	2	L	
14761	25° 4957	221478		29.9	+26	15	8.1	.002	G5	+ 21	c	4	D	
14762		32738		221491	29.9	+34	41	6.6	AOn	+ 12	c	4	D	
14763		32743		221538	30.2	+53	25	7.0	K0	- 19	c	2	V	
14764	17° 6769	221503		30.2	-17	07	8.6	.375	dK5	- 1	c	4	WMd	*
14765	18 Sc1	221507		30.3	-38	06	4.5	.085	B9	+ 1.7	b	5	L	
14766	62° 2245	221584		30.5	+63	01	8.0	.125	dF7	- 27	c	2	L	
14767	CC 1432	221585		30.5	+62	53	7.4	.422	dG3	+ 8.5	b	3	W	
14768		32750		221565	30.7	-21	11	4.8	AOn	+ 15	c	11	L	
14769	85° 403	221829		30.7	+85	55	7.2	.....	A3	- 23	c	4	D	
14770		32759		221615	31.0	+22	13	5.5	gM5	+ 2.5	b	9	VW	*
14771		32761		221639	31:0	+60	08	7.3	sgG9	+ 0.1	b	4	WV	*
14772		32762		221627	31.0	+17	33	6.7	GO	- 7.1	b	3	S	
14773	Z And	221650		31.2	+48	33	8.0v	.....	O+MOe	+ 3	c	23	VW	Em +2 c *
14774		32764		221670	31.3	+60	12	7.4	gG6	+ 2	c	6	WV	SB (29) *
14775		32765		221671	31.3	+59	46	7.4	A0	- 12.5	b	5	D	
14776		32766		221661	31.3	+44	47	6.3	G6	+ 7.1	b	4	D	
14777	73° 1042	221697		31.3	+73	57	8.0	.01	gG8	- 23.8	b	3	W	
14778		32767		221662	31.3	+70	05	8.6	eM1	- 33.2	b	3	W	
14779		32771		221662	31.4	+20	34	6.3	gM3	+ 5.2	b	7	DW	*
14780		32772		221673	31.5	+31	03	5.2	gK4	- 23.9	a	6	LW	*
14781		32774		221675	31.6	-01	31	6.0	A2	- 2.8	b	4	S	
14782	54° 3006	221711		31.8	+55	13	7.4	.014	B3	- 4.8	b	4	V	IS -7.3 b
14783	Y Psc	221700		31.9	+07	39	9.0v	.....	A3+K0	+ 6	b	36	Md	EA 3.77 *
14784		32779		221758	32.2	+33	13	5.7	gKO	- 2.8	b	3	W	
14785		32780		221756	32.2	+39	58	5.5	A In	+ 13	c	12	4	*
14786		32784		221776	32.3	+37	45	6.3	K5	- 12.4	b	4	D	
14787	i Pfae	221760		32*4	-42	54	4.8	.040	A2p	+ 19.4	b	9	L	
14788	+0* 5017	.....		32.4	+01	20	9.5	.34	dM1	+ 1	c	2	W	
14789		32788		221777	32.5	-07	57	7.4	gK4	+ 9	c	2	L	
14790		32793		221861	32.8	+71	22	6.1	eK1	- 2.8	b	7	DW	*
14791		32796		221862	32.9	+67	13	7.4	K0	- 6	d	1	V	
14792		32798		221833	32.9	+01	02	6.6	gK2	+ 6.5	b	9	VW	*
14793		32799		221835	33.0	-07	44	6.5	gG5	+ 4.7	b	3	W	
14794		32800		221830	33.0	+80	44	6.7	dGO	-103	c	3	W	
14795		32803		221863	33.0	+52	01	7.0	G9	+ 2	d	1	V	
14706	60° 2582	.....		33*1	+00	39	8.9	.011	B8	- 64	c	3	W	
14797		32810		221913	33.3	+50	59	7.2	gM1	- 19	c	2	L	
14798		32814		221005i	33.4	+24	17	6.6	M1	- 12.1	b	5	D	
14799		82816		221914i	3X5	+18	10	8.0	dG5	- 25.2	b	5	W	
14800		32818		221950i	33.8	+01	49	5.6	dFO	+ 39.4	b	4	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes	
			R.A.		Decl.										
			h	m	°	'		//	km/sec						
14801		32821	221970	23	34.0	+32	38	6.3	0.011	dF2	- 0.9	b	4	V	
14802	CC	1440	221974		34.1	-17	31	9.1	.446	dKO	- 23.3	b	3	W	
14803	C	3097	222033		34.6	+30	24	7.2	.206	GO	- 12.6	b	7	DS	*
14804	24°	4803	.....		34.8	+25	30	7.7	.008	G5	- 12.8	b	5	D	
14805	RS	Cas	.....		34.9	+62	09	10.4v	.008	cG5	- 25.0	b	9	W	Cep 6.30
14806		32830	222093		35.1	-13	20	5.7	.043	gG6	- 12.6	b	3	W	
14807		32831	222109		35.1	+44	09	5.9	.013	B9n	- 11	c	4	S	
14808	A	And	222107		35.1	+46	11	4.0	.450	sgG7	+ 6.8	a	83	LV	IS - 23.7 a *
14809		32833	222098		35.1	+16	33	6.2	.129	A0	- 26.4	a	38	V	Orb. Smith
14810		32836	222095		35.2	-45	46	4.9	.065	A2	+ 10	c	5	L	
14811		32842	222133		35.4	+18	07	5.4	.048	A0	- 16	d	10	3	SB (52) *
14812		32845	222143		35.5	+45	55	6.6	.366	G5	- 0.6	b	4	D	
14813	c	And	222173		35.7	+42	59	4.3	.025	B8	- 0.5	b	26	YO	*
14814		32853	222207		36.0	+42	14	6.8	.048	B9	- 18	d	5	D	SB (68)
14815		32854	222218		36.0	+58	23	7.2	.019	K0	0	d	1	V	
14816	XX	Cep	222217		36.0	+64	03	8.5v	.03	A8	- 29	b	35	Md	EA 2.34 *
14817	ST	And	222241		36.3	+35	30	8.3v	.....	R3e	+ 32	c	2	W	Em +13 *
14818	25°	4980	.....		36.3	+25	40	8.0	.018	K0	- 4.8	b	4	D	
14819	53°	3207	222265		36.4	+53	10	7.5	.012	G8	- 38	d	1	V	
14820		32860	222275		36.5	+61	51	6.7	.012	A2	- 34	c	5	D	
14821		32864	222304		36.7	+50	12	5.3	.020	B9n	+ 9	c	8	YW	SB •
14822		32868	222317		37.0	+27	58	7.0	.377	GO	- 4	d	7	DS	SB (68) *
14823		32869	222386		37.0	+75	01	6.0	.019	A2n	+ 3	c	9	DV	SB *
14824		32872	222387		37.2	+73	44	6.1	.013	gG5	+ 9	c	9	DW	SB (24) *
14825		32873	222345		37.2	-14	30	5.2	.063	A5	- 2	c	11	LY	SB *
14826	y	Cep	222404		37.3	+77	21	3.4	.168	sgK1	- 42.4	a	26	7	*
14827		32878	222377		37.4	+09	24	6.1	.093	A2	0	c	5	V	
14828	i	Psc	222368		37.0	+05	21	4.3	.571	dF5	* 5.0	a	53	5	*
14829		32880	222390		37.5	+27	14	6.8	.048	K0	- 11.9	b	4	D	
14830	26°	4673	222391		37.5	+26	34	7.6	.152	GO	- 1.9	b	4	D	
14831		32881	222407		37.5	+63	27	6.8	.050	A2	- 17.0	b	4	D	
14832		32882	222399		37.6	+37	23	6.2	.085	dF2	- 16	c	3	V	
14833	74°	1033	222448		37.7	+75	27	7.2	.01	dF3	+ 1	c	3	W	
14834		32883	222416		37.7	+44	48	7.5	.038	B9	- 19	c	5	D	
14835	K	And	222439		37.9	+44	03	4.3	.081	AOn	- 9	c	10	3	*
14836	M	ScI	222433		38.0	-32	21	5.3	.114	K1	+ 14.1	a	5	L	
14837	-0°	4547	222455		38.1	+00	08	7.7	.100	gK4	- 2.2	b	3	W	
14838		32892	222451		38.2	+36	27	6.3	.231	F5	- 0.2	b	4	S	
14839		32898	222493		38.6	-11	57	6.1	.065	gG9	- 10.6	b	4	W	
14840	57°	2780	222514		38.6	+57	34	7.2	.026	A2	+ 8.5	b	5	D	
14841		32906	222555		38.9	+46	35	7.2	.020	B5	- 9	c	5	D	
14842		32907	222589		38.9	+74	07	8.8	.218	dG7	- 24.8	b	3	W	
14843		32908	222547		39.0	-18	18	5.6	.079	gK5	+ 25.1	b	3	W	
14844	74°	1034	222598		39.0	+75	18	8.0	•#*»	gG§	- 4.5	b	3	W	
14845		32909	222570		39.0	+49	14	6.3	.020	A3	- 5.7	b	6	V	
14846	WY	And	.....		39.0	+47	19	9.5v	.055	cK2e	-190	b	10	w.	SR 109 *
14847		32911	222574		39.2	-18	06	5.0	.014	cG1	+ 3.2	to	8	LW	*
14848	CC	1445	.....		39.4	+43	55	12.2	1.82	dM6e	- 81	c	4	W	
14849		32914	222602		39.4	+06	56	5.8	0.048	AO	+ 1	d	4	V	
14850		32916	222618		39.5	+56	59	6.3	.003	G8	- 11.6	to	5	0	

Cat. No.	Star	H.L. No.	1950				Magn.	P.M.	Spec.	V _{rad} ¹	Q	No. Pl.	Obs.	Notes
			R.A.		Bed.									
			h	m	°	'			km/sec					
14851	X Psc	222603	23	39.5	+01	30	4.6	0.199	A5	+ 12.4	b	17	3	*
14852	32923	222642		39.8	+44	29	6.9	.070	F0	+ 5.3	b	4	D	
14853	32924	222641		39.8	+44	43	6.7	.018	gK5	- 10.4	b	4	W	
14854	32925	222643		39.9	-15	44	5.4	.020	gK5	+ 6.8	b	9	LC	SB (14) *
14855	32927	222670		40.0	+64	14	6.8	.003	M2	- 3.2	b	4	D	
14856	32930	222682		40.1	+61	24	6.5	.052	K2	- 15.5	b	4	D	
14857	32931	222661		40.1	-14	49	4.6	.113	A0	+ 3	c	15	LY	SB *
14858	32932	222683		40.2	+16	03	6.5	.087	gG7	- 1.7	b	3	W	
14859	32945	222764		40.8	+10	03	5.4	.015	gM2	- 33.5	a	12	LW	*
14860	32947	222794		41.0	+57	48	7.0	.616	dG1	- 67.1	b	3	W	
14861	CC 1446	222766		41.0	-08	12	9.7	.59	dG4	- 98	c	3	W	
14862	R Agr	222800		41.2	-15	34	6.7 _v	.034	gM7e	- 22.0	a	16	W	Em -33.2 a *
14863	29° 4982	.....		41.3	+30	28	8.7	.084	GO	+ 6.4	b	4	D	*
14864	32954	222842		41.5	+29	05	5.0	.076	gG8	- 6.9	a	10	LV	*
14865	32958	222847		41.6	-18	33	5.3	.025	B8n	+ 14	d	6	LY	*
14866	32961	222860		41.7	+00	26	8.0	.040	dF8	+ 4.7	b	3	W	
14867	32963	222887		41.9	+54	56	7.3	.016	K2	- 16	d	1	V	
14868	32965	222900		42.1	+46	06	7.5	.003	B8	- 8	c	5	D	
14869	Z Cas	222914		42.1	+56	18	8.5 _v	.....	gM7e	- 32	c	2	W	Em -46 *
14870	32970	222922		42.3	+43	28	6.8	.068	A In	+ 4	c	5	D	
14871	32971	222932		42.4	+55	31	6.6	.019	gG4	+ 8.7	b	3	W	
14872	WW And	.....		42.4	+45	25	10.3 _v	.....	A5+F3p	- 17	b	29	Md	EA 23.3 *
14873	1° 4485	222928		42.4	-00	56	7.3	*.008	gK5	+ 8	c	2	L	
14874	32973	222935		42.6	+29	17	8.9	.944	dK2	+ 51.5	b	4	W	
14875	32977	222962		42.8	+09	54	6.5	.015	A4	+ 11	c	6	S	
14876	25° 4998	223019		43.3	+26	04	7.8	.061	K5	- 12.6	b	4	D	
14877	32985	223024		43.4	-18	57	5.4	.134	A5	- 1.8	b	8	LY	*
14878	32987	223029		43.4	-00	01	7.8	.050	dF6	- 32.5	b	4	W	
14879	^ And	223047		43.5	+46	09	5.1	.006	cG5	- 24.8	a	7	LW	*
14880	62° 2294	223057		43.6	+63	02	7.5	.022	A0	- 2	c	5	D	
14881	32991	223070		43.7	+60	12	7.1	.009	KG	- 35	d	1	V	
14882	TX Psc	223075		43.8	+03	13	5.3 _v	.042	N	- 11	a	38	WL	In**
14883	32997	223094		43.9	+28	26	7.2	.032	K2	+ 19.5	b	4	D	
14884	32998	223665		43.9	-41	51	7.5	.893	sdA2	- 15	c	8	LW	*
14885	33000	223096		44.0	+00	15	7.4	.038	gG7	+ 0.8	b	3	W	
14886	33001	223110		44.1	+54	52	8.1	.078	dF5	- 13	c	3	L	
14887	330Q4	223128		44.2	+66	30	5.9	.006	B2	- 14.0	b	6	V	IS -12.9 b
14888	33007	223138		44.3	+28	09	7.4	.012	M0	- 4.0	b	4	D	
14889	50° 4147	223152		44.5	+50	58	7.5	.029	B5	- 4	c	5	V	
14890	33009	223173		44.6	+57	10	5.8	.001	gK3	- 5.9	b	3	W	
14891	r Cas	223165		44.6	+58	22	5.1	.084	gG9	- 21.3	a	10	LW	*
14892	cr Phe	223145		44.6	-50	30	5.4	.016	B5n	+ 11	c	5	L	
14893	33014	223170		44.7	-12	11	5.9	.098	gK1	+ 11.2	b	3	W	
14894	3 12558A	.....		44.8	+6H	47	9.2	.....	dF0	- 44.8	b	3	W	
14895	& 12558B	.....		44.8	+68	47	9.3	.....	dF6	- 40.5	b	3	W	
14896	33019	223211		45.0	+25	18	7.1	.032	K0	- 19.1	b	4	D	
14897	33021	223229		45.1	+46	33	5.8	.008	B3	- 24	d	10	V	IS -11.4 b *
14898	26° 4687	223231		45.1	+26	54	8.8	.021	K2	- 7.3	b	4	D	
14899	33027	223238		45.3	+03	54	8.2	.337	dG2	- 16.0	b	3	W	
14900	33G20	223252		45A	-03	02	5.6	.090	gG8	- 6.9	b	3	W	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. Pl.	Obs.	Notes	
			B.A.		Decl.										
			h	m	°	'			km/sec						
14901	33031	223274	23	45.5	+67	32	5.0	0.014	A0	+ 10	c	11	3	*c	
14902	33039	223311		46.0	-06	39	6.3	.019	gK4	- 20.5	b	11	W		
14903	33041	223332		46.1	+28	06-	7.4	.016	K0	+ 10.8	b	4	D		
14904	33042	223331		46.1	+36	00	7.2	.032	GO	+ 7.2	b	3	S		
14905	BS Aqr	223338		46.2	-08	25	<u>8.8</u> v	.020	F2	+ 50	d	1	W	RR 0.20	
14906	33045	223358		46.2	+64	36	6.4	.019	A0	- 3.4	b	3	V		
14907	33047	223346		46.3	+01	56	6.4	.036	F2	- 25	d	4	S	SB (32)	
14908	<5 S c1	223352		46.3	-28	24	4.6	.145	AOn	+ 14	c	5	L		
14909	A 17022A	223385		46.4	+61	56	5.6	.007	cA2e	- 45.6	a	19	WV	IS -32.3 b *	
14910	A 17022B	.....		46.4	+61	57	8.0	.....	cAO	- 44	e	2	W	IS -34 c
14911	33052	223386		46.4	+59	42	6.4	.049	A0	- 16.4	b	8	DV	*c	
14912	5° 5223	223392		46.5	+06	06	8.8	.016	R3	- 25	b	3	MfW	*	
14913	33053	.....		46.6	+02	08	9.1	1.373	dM2	- 64	c	4	W	
14914	33054	223421		46.7	+58	41	6.4	0.038	dF3	+ 30.0	b	10	WV	*	
14915	26° 4695	223424		46.8	+26	46	7.8	.043	K0	- 1	c	4	D		
14916	33059	223438		46.9	+00	48	5.8	.024	A3	+ 5	c	7	WV	SB *	
14917	33062	223461		47.1	+28	34	5.9	.068	A3	- 4.3	b	6	V		
14918	33063	223460		47.2	+36	09	5.9	.050	sgGO	+ 0.7	a	12	VS	*	
14919	33069	223501		47.4	+61	56	8.2	.011	B3e	- 38	d	7	D	IS -7 c	
14920	33070	223498		47.5	+02	36	8.4	.503	dG7	- 26.8	b	4	W		
14921	33074	223524		47.7	-10	15	6.1	.155	sgKO	- 17.7	b	4	W		
14922	33076	223552		47.9	+51	21	6.5	.120	dA9	- 21.1	b	3	W		
14923	33079	223578		48.0	+63	28	7.2	.014	K5	- 32	d	1	V		
14924	33081	223559		48.0	-14	41	5.9	.043	gK5	- 58.4	b	3	W		
14925	UU Cas	.....		48.2	+60	38	<u>10.2</u> v	.....	B1	- 56	b	26	W	EB 8.52 *
14926	TZ And	223608		48.3	+47	14	<u>9.4</u> v	.011	gM6	- 31	c	2	W	SR 974	
14927	33092	223640		48.8	-19	11	<u>5.3</u>	.017	AOp	+ 12.7	b	7	LY	*	
14928	33094	223637		48.8	+09	02	6.1	.063	gM3	- 8.6	b	8	VW	*	
14929	7° 6095	223688		49.2	-06	53	8.9	.089	dG2	+ 12.0	b	3	W		
14930	y Oct	223647		49.2	-82	18	5.1	.037	G7	+ 14.5	b	3	L		
14931	A 17054A	223718		49.4	+37	37	7.8	.101	dF5	- 19.9	b	3	W		
14932	A 17054B	.....		49.4	+37	37	7.9	.....	dF5	- 18	c	3	W	
14933	33112	223719		49.4	+02	39	5.8	.014	gK5	+ 0.4	b	3	W		
14934	33113	223731		49.5	+77	19	6.5	.279	dF3	+ 0.8	b	3	W		
14935	RY Cas	.....		49.6	+58	28	<u>10.3</u> v	.007	cG6v	- 70.0	b	9	W	Cep 12.1 *
14936	Z Aqr	223737		49.7	-16	08	<u>9.5</u> v	.001	gM2e	+ 68	c	2	W	Em +63 *	
14937	33117	223755		49.8	+21	24	6.3	.058	gM2	- 4.9	b	3	W		
14938	33118	223774		49.9	-14	32	6.0	.104	gK3	+ 2.0	b	3	W		
14939	* Peg	223768		49.9	+18	51	5.2	.036	gM3	- 7.8	a	11	3	W	*
14940	33120	223778		50.0	+75	16	6.6	.320	dK5	+ 1.2	a	23	W	Orb. Christie	
14941	33122	223781		50.1	+10	40	5.4	.026	A2n	- 3	c	17	4	W	*
14942	XY Cep	.....		50.1	+68	39	<u>10.0</u> v	.....	B8	- 14	b	28	Md	IS -13.8 b *
14943	33126	223792		50.1	+21	28	6.8	*.033	gG6	- 3.2	b	4	W		
14944	33128	223807		50.3	-00	16	6.0	.061	gKO	- 18.1	b	3	W		
14945	33130	223825		50.4	-03	26	6.1	.080	gG9	- 6.2	b	5	W		
14046	58° 2667	223847		50.5	+59	09	7.8	.059	gG7	- 15	c	2	L		
14047	33135	223835		50.5	+41	04	7.2	.017	gM2	- 8	c	7	WL	*	
14948	3SI36	223855		50.5	+01	49	6.2	.017	A2	+ 5	c	6	WV	SB *	
14049	25° 5034	223869		50.6	+25	44	7.7	.118	<i>m</i>	+ 16.7	b	4	D		
14950	19° 6533	223932		51.2	-18	59	7.4	.023	dG6	- 20.2	b	3	W	HD GS+A3	

Cat. No.	Star	H.D. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PI.	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'		//	km/sec					
14951	33149	223960	23	51.3	+60	35	7.0	0.010	cAOe	- 48.1	b	8	WV	IS -33.7 b *
14952	10° 6192	223963		51.5	-09	34	7.4	.072	gM1	- 34	c	2	L	
14953	33154	223969		51.5	+56	13	7.5	.056	K2	- 8	c	2	V	
14954	60° 2637	223987		51.7	+61	20	7.6	.031	B0	- 44.8	b	5	W	IS -29.8 b 4
14955	p Cas	224014		51.9	+57	13	4.1v	.006	cKOv	- 43.1	a	21	3	*
14956	33163	224055		52.2	+61	34	7.2	.028	cB2e	- 42.3	b	13	WV	IS -25.3 b *
14957	33165	224062		52.2	-00	10	6.0	.050	gM5	- 2.4	b	3	W	
14958	17° 5002	224060		52.2	+18	28	7.6	.031	gK3	- 11	c	2	L	
14959	33166	224098		52.4	+74	08	6.6	.006	B9	- 13	c	6	D	
14960	33168	224085		52.5	+28	21	7.3	.574	dG8p	- 20.3	a	25	W	Orb. Sanford
14961	33172	224103		52.6	+06	48	6.1	.021	A1	+ 16.8	b	8	WS	*
14962	33175	224113		52.7	-32	12	6.0	.010	B5	- 12	d	5	L	SB (141)
14963	33178	224128		52.8	+25	41	6.7	.009	K5	- 14.8	b	4	D	
14964	58° 2672	224150		53.0	+59	08	7.4	.023	K2	- 13	d	1	V	
14965	33181	224152		53.0	+52	27	6.8	.062	gK3	- 1.0	b	9	VW	*
14966	33183	224165		53.0	+47	05	6.1	.007	gKO	- 16.5	b	7	V	
14967	33184	224151		53.0	+57	08	6.0	.009	BOn	- 25.5	a	83	OW	IS -21.4 b *
14968	33185	224155		53.1	+07	57	6.7	.005	A0	- 1.8	b	6	S	
14969	33187	224166		53.1	+46	05	6.8	.022	B9	- 18.4	b	9	SD	*
14970	RR Cas	.....		53.3	+53	27	9.5v	.....	gM5e	- 46	e	2	W	Em -56 *
14971	33191	224186		53.4	+14	57	6.6	.100	gM4	+ 3.7	b	3	W	
14972	33196	224225		53.5	-22	16	7.4	.026	gM3	- 4.9	b	3	W	
14973	33198	224235		53.6	+33	13	7.0	.014	B9	+ 12.6	b	8	WS	
14974	73° 1066	224272		53.8	+73	52	8.2	.02	gKO	- 50.0	b	4	SW	
14975	A 17107A	224253		53.8	-09	47	8.5	.279	dG3	+ 36.4	b	3	W	
14976	A 17107B	.....		53.8	-09	47	9.0	.....	dK3	+ 40	c	2	W	
14977	R Phe	224269		53.9	-50	04	9.2v	*.041	gM3e	+ 23	d	1	L	Em -5 c *
14978	V Cep	224309		54.1	+82	55	6.6	.050	A2n	- 12.9	b	4	D	
14979	33208	2243G3		54.1	+22	22	6.3	.023	gM2	+ 0.8	b	7	DW	*
14980	33210	224320		54.4	+55	34	7.0	.003	G8	- 5	c	3	V	
14981	33211	224342		54.5	+42	23	6.0	.004	dF3	- 7.2	b	6	W	
14982	33214	224355		54.6	+55	26	5.7	.022	dF3	+ 13.0	a	34	V	Orb. Harper
14983	DD Cas	.....		54.8	+62	26	10.3v	.....	.....	- 71.0	b	8	W	Cep 9.81
14984	33217	224364		54.8	+60	45	7.0	.009	gM2	- 76.8	b	3	W	
14985	47° 4331	224380		54.8	+48	00	7.5	.012	B9n	- 4	c	10	DW	*
14986	33219	224362		54.9	-82	27	5.7	.031	G8	+ 27.2	b	3	L	
14987	33222	224383		55.0	-09	55	7.8	.488	dG2	- 30.7	b	4	W	
14988	7| Tuc	224392		55.0	-64	35	5.2	.110	A2n	+ 32.5	b	4	L	
14989	75° 901	224402		55.0	+76	02	7.7	.....	AOn	+ 6.8	b	3	W	
14990	55° 3057	240458		55.1	+55	35	9.3	.036	B4ne	- 20	e	2	Md	IS -24 d
14991	58° 2676	224424		55.2	+59	26	7.8	.022	cB1e	- 71	c	5	W	IS -17 c 4
14992	f Peg	224427		55.2	+24	52	4.8	.049	gM3	- 4.2	a	9	LW	*
14993	V Get	224442		55.3	-09	14	8.6v	.035	gM3e	+ 51	c	2	W	Em +43 *
14994	U Peg	.....		55.4	+15	41	9.7v	.101	dG3	+ 20	d	3	W	EB 0.37 *
14995	C 3142	224458		55.5	+29	42	8.7	.152	ED	- 56.2	b	6	D	
14996	33237	224405		55.0	+50	10	6.8	.249	dG2	+ 3	c	5	W	
14997	33242	224481		55.8	-16	08	6.4	.078	gG8	+ 4.3	b	3	W	
14998	R Cas	224400		55.9	+51	07	4.8v	.080	gM7e	+ 21.4	a	50	W	Em +10.9 b •
14999	33248	224533		50.1	-03	50	5.1	.086	gG6	- 0.2	a	10	LC	*
15000	33249	.....		56.1	+46	27	9.5	.564	dMO	+ 4.5	b	3	W	

Cat. No.	Star	ED. No.	1950				Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes
			R.A.		Decl.									
			h	m	°	'	''		km/sec					
15001	33252	224559	23	56.2	+46	08	6.5	0.017	B3ne	- 1.1	b	12	WV	IS -15.6 b *
15002	33253	224544		56.3	+32	06	6.4	.009	B5ne	- 5.9	b	5	V	
15003	TR Phe	224554		56.3	-53	02	5.1	.082	K1	- 14.1	a	7	L	
15004	a Cas	224572		56.5	+55	29	4.9	.008	B3n	- 12.6	b	20	5	IS -9 c *
15005	A 17140B	.....		56.5	+55	29	7.0	.....	B3	- 5	c	4	W	SB (24) 2-sp
15006	MSB 75	.....		56.5	+56	42	10.2	.....	Ne	- 46	b	3	W	Em -78
15007	S Phe	224583		56.5	-56	51	8.6 _v	.015	gM5e	+ 10	c	3	L	Era +5 *
15008	26° 4721	224615		56.7	+27	00	8.3	.006	gK4	- 30.9	b	3	W	
15009	ωpsc	224617		56.7	+06	35	4.0	.185	dF3	+ 1.9	b	19	4	SB *
15010	CC 1467	224618		56.8	-17	13	8.5	1.181	dG6	- 42.8	b	4	W	
15011	33265	224619		56.9	-20	19	7.4	0.593	dG3	+ 22.3	b	4	W	
15012	A 17149p	224635		56.9	+33	27	6.6	.102	dGO	- 7.7	b	9	WV	*
15013	A 17149f	224636		56.9	+33	27	6.6	.102	dGO	- 4.6	b	9	WV	*
15014	33272	224687		57.1	+86	26	6.7	.040	A0	- 17.3	b	6	V	
15015	33273	224661		57.1	-06	10	6.8	.061	gG7	+ 13.2	b	3	W	
15016	33276	224677		57.2	-00	33	7.0	.026	gM2	- 30.9	b	3	W	
15017	£ Tuc	224686		57.3	-65	51	4.7	.058	B9n	+ 11	c	5	L	
15018	33283	.....		57.5	+19	46	9.5	.288	dKO	+ 8.0	b	4	W	
15019	Z Peg	224709		57.6	+25	37	7.9 _v	.013	gM7e	- 31	c	2	W	Em -44 *
15020	33286	224720		57.6	+46	40	7.2	.033	A2	- 24	c	6	D	
15021	33293	224758		57.8	+26	38	6.4	.063	dF5	0.0	b	5	W	
15022	33294	224784		58.0	+59	17	6.4	.078	G6	- 32.7	b	4	D	
15023	33298	224801		58.2	+44	58	6.2	.024	AOp	- 3	c	10	DV	*
15024	33301	224826		58.3	+66	34	7.2	.026	K2	- 12	d	1	V	
15025	CG Cas	.....		58.4	+60	41	11.5 _v	.....	.....	- 87.0	b	6	W	Cep 4.37
15026	-0° 4605	224839		58.6	-00	21	8.0	.078	dF8	0	c	2	L	
15027	WZ Cas	224855		58.7	+60	05	9.2 _v	.014	N	- 34	b	4	LW	SR 188 *
15028	33311	224870		58.8	+49	42	6.4	.013	G5	- 20.1	b	4	D	
15029	33312	224865		58.8	-50	37	5.4	.014	M1	+ 2.3	a	7	LC	*
15030	33314	224868		58.8	+60	34	7.4	.008	B5n	- 15	c	6	V	IS -4 c *
15031	38° 5112	224873		58.8	+39	21	8.6	.06	dK1	+ 0.4	b	3	W	
15032	29° 5046	224882		58.9	+30	28	8.0	.031	sgG2	- 11	c	7	DL	SB *
15033	33318	224895		59.0	+28	09	7.0	.045	K0	- 12.6	b	4	D	
15034	33320	224893		59.1	+60	57	5.7	.011	A5	- 23.2	b	4	WV	*
15035	a oct	224889		59.1	-77	20	4.7	.175	K5	+ 23.7	a	5	L	
15036	33322	224890		59.1	+73	20	6.5	.071	A2	- 8	c	7	D	
15037	59° 2813	224905		59.1	+60	11	9.2	.043	B4e	- 16.9	b	3	W	IS -8.4 b
15038	33325	224006		59.2	+42	05	6.1	.002	B9	- 11	c	9	WS	*
15039	75° 904	224917		59.2	+76	07	9.0	.024	gK3	- 6	c	4	W	SB
15040	33326	224918		59.2	+66	02	7.4	.028	G5	- 18	d	1	V	
15041	33327	224926		59.3	-03	18	5.2	.011	B8	+ 23	c	9	LY	*
15042	C 3156	224927		59.3	-26	04	9.2	.378	sdA8	+ 50	d	7	3	*
15043	33330	224935		50.4	-06	18	4.7	.058	sgM3	- 11.8	a	7	L	
15044	33334	224930		59.6	+26	40	5.8	1.294	dG1	- 36.2	b	16	3	*
15045	W Cet	224960		50.6	-14	57	11.2 _v	0.04	gMep	+ 13	b	4	W	Em -1.7 *
15046	3° 5751	224950		59.6	»03	06	9.9	.026	R0	-132	c	3	W	
15047	33336	224980		50.7	+60	25	7.0	.017	gM2	- 24.5	b	3	W	
15048	y sci	224990		50.8	-30	00	5.0	.011	B7	0	c	6	L	
15049	83340	224095		59.8	+08	41	6.3	.001	A4n	+ 11	c	9	WV	*
15050	33341	225003		59.9	+08	12	5.8	.111	dFO	+ 9.6	a	10	WS	*

Cat. No.	Star	RD. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
			h	m	°	'	rt	km/sec					
15051	142	434	0	06.4	+27	58	6.5	0.023	A2	+ 2	d	3	S
15052	1029	4935		49.0	+12	31	6.8	.092	F0	- 6	c	3	S
15053	1256	6133	1	00.1	+26	02	6.9	.025	F2	+ 9	c	3	S
15054	1402	6886		06.9	+23	32	6.6	.035	F0	- 21.1	b	3	S
15055	2439	12354		58.8	+23	09	6.6	.105	F0	- 18	c	3	S
15056	2532	12884	2	03.9	+29	02	6.5	.006	A2n	- 6.1	b	3	S
15057	3064	15869		30.8	+18	40	6.8	.085	A5	+ 17	c	2	S
15058	3105	16070		32.8	+34	30	6.8	.010	A5	+ 7	c	3	S
15059	3388	17572		47.0	+30	19	6.7	.072	F0	- 7	c	3	S
15060	4915	25657	4	02.4	+34	06	6.6	.072	F2	+ 28.9	b	3	S
15061	5552	28879		30.8	+16	13	6.5	.031	FOn	+ 24	c	2	S
15062	7328	39118	5	47.9	+02	01	6.3	.015	G0+A0	+ 7	c	7	Pn
15063	51° 1577	87852	10	05.1	+51	05	7.6	.017	A2	- 11	c	4	W
15064	16788	107053	12	16.0	+33	02	6.7	.015	A5n	- 9	c	5	S
15065	17770	113867	13	03.9	+22	33	6.6	.026	F0	- 5	c	2	S
15066	17849	114520		08.4	+21	30	6.7	.040	F2	- 5	c	4	S
15067	18840	121648		53.9	+26	10	6.7	.117	F0	- 26.9	b	34	S
15068	18984	122768	14	01.0	+22	44	6.8	.030	F0	+ 6	c	3	S
15069	19232	124797		12.7	+23	55	6.7	.039	FOn	+ 6	c	4	S
15070	20813	138100	15	26.7	+38	54	6.6	.036	F0	- 17.4	b	3	S
15071	21204	141040		44.1	+15	41	6.8	.020	A3n	- 48	c	4	S
15072	21732	145228	16	07.1	+11	53	6.9	.012	F2	- 54	c	3	S
15073	22233	149059		29.5	+09	31	6.7	.037	F2n	- 28	c	6	S
15074	22270	149305		31.2	+10	28	6.7	.025	A3n	+ 4	c	3	S
15075	22523	151070		42.1	+23	37	6.8	.015	F2	- 38	c	3	S
15076	22710	152342		49.7	+25	29	6.9	.053	F2	- 29.1	b	6	S
15077	23234	155714	17	10.6	+07	48	6.8	.041	F0	- 42.2	b	3	S
15078	23363	156539		15.6	+03	12	6.8	.052	F2	+ 3	c	3	S
IK)79	23778	159223		30.4	+26	28	6.8	.025	A5n	- 29	c	3	S
15080	23841	159733		33.0	+34	47	6.8	.022	FOn	- 19	c	3	S
15081	24016	160869		39.9	-04	50	6.8	.021	gM2	+ 39.2	b	3	W
15082	24020	161019		40.0	+27	40	6.5	.042	A3	- 18	d	3	S
15083	24039	161130		40.7	+29	26	6.6	.071	A5n	- 34	c	3	S
15084	24076	161322		42.0	+13	48	6.8	.033	A3	- 48	c	4	S
15085	24233	162485		48.2	+25	18	6.6	.009	A2n	- 35.2	b	3	S
15086	21° 3296	.....	18	03.6	+21	26	8.2	.....	dF8	- 8	c	5	W
15087	24664	165590		03.7	+21	26	7.2	.064	dG1	+ 4	c	5	W
15088	25121	169490		21.9	+20	25	6.6	.045	FOn	- 43.1	b	4	S
15089	25237	170542		27.2	+13	49	6.9	.112	F2	- 2	c	3	S
15090	25255	170598		27.6	+10	27	6.8	.054	FOn	- 34	c	3	S
15091	65° 1277	.....		31.8	+65	20	8.7	.02	dFO	- 19	d	5	W
15092	25691	173609		43.4	+15	40	6.6	.038	A2n	- 21	c	3	S
15093	A 11910B	.....		57.1	+40	37	9.5	.....	A4	- 3	d	3	W
15094	26W2	180889	19	15.4	+21	43	6.7	.021	A3n	- 20.1	b	3	S
15095	26992	184151		30.0	+25	29	6.9	.074	F2	+ 12	c	3	S
15096	27012	184381		31.0	+31	08	6.7	.015	F2	- 29.4	b	3	S
15097	28211	193182	20	15.6	+39	20	6.6	.015	Q15	- 20.4	a	11	W
15098	V4» Cyg	.....		56.8	+35	44	7.0	.....	Q	.....	.....	13	W
isow	29883	202126	21	10.9	+35	35	6.7	.040	A2n	- 0	c	3	S
isioo	28975	203024		22.2	+30	29	6.7	.035	A2	- 12	c	3	S

Orb. Shajn

SB (26)

SB (50)

SB (72)

Shell star
IS -11.8 b *

Cat. No.	Star	H.D. No.	1950		Magn.	P.M.	Spec.	Vel.	Q	No. PL	Obs.	Notes	
			R.A.	Decl.									
			h	m	°	'	''	km/sec					
15101	30600	207859	21	49.3	+19	04	6.8	0.036	F2	+ 16	c	3 S	
15102	30855	209691	22	01.5	+65	49	6.8	.024	B8	- 40	c	4 W	
15103	31876	216285		49.0	+26	08	6.7	.014	A3	- 4.5	b	3 S	
15104	32092	217649		59.5	+34	21	6.7	.080	F0	+ 0.2	b	4 S	
15105	32525	220254	23	19.6	+28	25	6.6	.121	F2	- 26.0	b	3 S	
15106	32655	221011		25.9	+ 19	37	6.7	.031	F0	- 14	c	3 S	

NOTES

6	EA 4.12: Orb. Hiltner, Smith, Struve	197	+7.6 ¥6; +9.5 L3; +8.4 W3
7	P415	201	SB (80)
9	-39.4 W7; -47.9 V5: IS -17.0 W5; -28.2 V4	203	P347: Em W2
10	-14 L8; +11 Y5	210	P445
11	+17.6 D4; +13.6 W2	214	P409
14	-18.9 W3; -16.9 V2	216	P321
16	P316	217	-6 W7; -18 ¥6: IS -9.1, -69.6 We
18	-41.9 L13; -42.7 C3; -42.0 W4	221	+14.4 W3; +19.6 LI
24	+3.6 ¥3; +3.8 W3	222	+1 Y4; -9 W4; -10 L3
31	+23.4 W4; +25.0 L2	225	Sp G6-M2e
33	+39 Vn2; -11 W1: IS W2	228	-3.6 ¥5; -5.3 W3
42	+2.6 ¥6; -2.1 W3	232	+23.0 L9; +21.7 C6
43	-64.1 ¥11; -60.5 W6: IS V11	235	Orb. Sanford: Sp F5-G2
44	-1L2 W3; -14.2 V2	237	+75.2 C39 (Hint); +74.2 L31 (Huffer)
48	-2.6 W4; +1.0 L3; +2.0 Y3	244	-13 B4; -22 W4
62	-11.6 A94 (Baker); -11.7 V70 (Pearce); -10.6 Y40 (Luyten, Struve, Morgan); -14.4 Pm48 (Ludendorff)	248	+2.1 D5; -20.2 S3
65	-14.9 ¥5; -14.0 S4; -14.0 W3	249	+6.2 ¥5; +10.7 W4
68	-20.1 D4; -23.9 W3	250	+7.7 D4; +4.9 L3; +6.8 W3
69	+11.8 L15; +8.3 Mil5; +14.7 S6; +11.2 W3	253	-1.5 W4; -11.1 D4
71	+8.2 W3; +5 VI	254	-11.5 W4; -9.4 ¥3
75	-9.2 L10; -9.0 C5	257	-5.1 ¥4; -33 W1: IS -8 ¥4; -20 W1
77	P142	264	-11.2 L5; -11.2 ¥6; -8.0 D4; -9.6 W3
79	+13.5 W4; +14.6 Y3	266	-2.1 ¥6; -20 W1
80	-4.4 L5; -9.9 V3; -5.6 W3	270	SB: -2 ¥7; +3 W3: IS W1
83	-7.4 D4; -13.1 W3	271	-2.7 L3; +6 W3
84	-6.2 V4; +2.4 W2: IS -6.9 V; -3.3 W	279	+11.6 D7; +5.3 W3
88	Ec 36.5; Orb. Struve	281	-48.9 W4; -55.6 ¥3
92	+15.0 L5; +13.9 C4; +13.2 W4	283	-14.1 Y7; -11.0 ¥6; -10 L4
94	Orb. Pearce: IS V12	285	+18 W4; -4 Md2
98	-1.4 L6; -7 W1	288	+9.9 L8; +12.7 C1
99	+15.5 D5; +17.1 V3	295	-23.8 D6; -19.9 ¥5
100	-8.0 L4; -8.1 C4; -7.3 W3	298	-13.0 S4; -10.6 W3
102	-8.3 ¥6; -10.2 W2; -10.5 O1: IS -16.6 V; -13, -42 We	301	-3.2 O56; +4.4 D23; -4.1 L8; -7.6 ¥7; -8.7 Y5; -13 ¥n4; -1.1 W3; +4.8 Mi3; +12 PI: IS -15.7 D; -16.4 ¥; -17.4 Y; -15.4 W; -16.4 F
105	+4.9 L56; +2.9 W12; +5.0 Y11; +0.4 D8; +5.2 S9; +6.5 ¥3; -4.4 Mi5; +7.0 F2; (-26.4) O2: IS -5 W2; +6*F2	302	-8.5 D5; -13.2 ¥3; -15.1 W3
120	-2.4 L4; +1.1 C3; -5.2 W2	304	-34.5 JDS; -34.1 W3
122	-45.3 L5; -50.1 V2	307	EA 1.24: Orb. Strwe
123	-22.7 L5; -21.2 W4	309	-108 Md2; -50 W1: SB
127	McCormick	322	+4.3 S4; +7.2 W3
132	P366: Em +9 L2; +14 W2	326	-2.7 Y7; +0.5 ¥5; +2.8 W4; +2.8 L3; -7.6 O3
134	PS46	335	-33.2 L3; -31.2 W4
138	+0.8 W5; +3*7 S3	337	+2.0 L8; +2.4 Y7; +0.8 F7; +1.9 ¥3; (-32;4) O4: IS -4.6 F7; -6.5 ¥3
140	-7.0 W4; -jl L2	338	-8,7 ¥6; -18.3 W3
147	0.0 SB; +0.1 W6; +4.7 L4; -3.3 Y4; +5.6 V2	339	Orbits +8.8 A111 (Jordan); +BA ¥? (Pearce); +8.8 Y46 (Luyten, Struve, Morgan): IS WS
150	+36.6 ¥6; +32.0 W3	344	P333
155	EB 3.52: Orbits -32.9 Mdl83 (Otruve, Horak); -29.3 ¥34 (Pearce); ~44S W34 (Adams, StrSmberg): IS -22.0 ltd; -22.8 ¥; -11.0, -23.0, -S4.8, -44.5 We	345	+18.2 L4; +15.5 W3
155	-0.0 V5; -9.5 W8	350	-83.4 L7; -84.9 S5; -83,3 B4; -8L8 IH
160	-5.0 D5; 0 W4	S51	-34.6 ¥6; -33.6 W3
161	+15 W11; +18 ¥2	357	-7.2 L17; -4.6 B7; -2.1 Cs5; -8.2 O4; -10.8 CS; -12,5 ¥2
163	SB 2-sp	358	-3.19 W4; -34.3 ¥2
164	-13L7 Y8; -3.5 W4; -0.3 LS; -9.6 ¥2	861	-18.1 ¥6; -16.1 W3
170	-7,2 DS; -4.2 84	364	-4,1 L12; -1.3 Csl2; -5.9 MilO; -2.0 B7; -0*1 VI
175	Orb* Piaskett	S74	-4.3 IS; -8.6 WS
177	+18.2 L8; +18.8 C6; +12.0 B3; +17*3 ¥1	S79	-1.0 B4; -4*2 W3
IS2	+18*1 ¥6; +21.3 W3	381	-9.4 717; -6.8 O10; -S3 VI: S3 -10.8 Y; -10.8 We
185	+9.3 L9; +7.0 C8	SS6	IS -16.8 ¥5; -10 W1
193	-3*0 D8; -6.4 W1	MB	-18*7 W4; -23.6 L2
114	-18.8 ¥4; -17.8 S4	S01	+1\$»6 C42 (hunt); +14,1 L28 {N«ttlmi»r}
		Si8	+12.9 C51; +13,3 L15; +14*8 B4
		401	-62.S ¥5; -54.0 Y3: IS We

404	-10.2 V7; -9.0 Y5; +5.2 L4; (-80) 03: IS -6.5, +15.5 We	604	-14.8 D6; -19.2 W3
407	Orb. Plaskett	606	+3.5 V5; +8.0 W2
408	-7.6 W7; -9.8 06; -10.4 Y4; -5.3 L3; -11.2 V2	612	+4.1 S4; -5.0 W3
419	+4.5 D5; -6.6 S4	613	+12.4 V6; +5.1 W3
421	P278	616	+5.0 V4; -1.6 W3
426	-15.5 D4; -14.3 W2	620	-4.8 V7; +2.6 Y4
427	-27.7 W5; -26.6 V4	624	+17 W4; +1.8 V3
431	+2.2 V5; -5 34	626	-9.9 V5; -5.5 W3
432	P431	627	-7.8 D4; -14.3 W3
433	-23.7 OCMd 109 (Gratton); -23.3 C33 (Spencer Jones); -29.8 C53 (Cannon)	628	+26.9 VS; +28.2 W5
435	+0.9 D4; +3.0 W3	634	-1.1 L20; -0.9 C6
439	-30.8 D4; -26 L2	638	P184
442	-1.0 V7; +2.9 W3	644	-27.5 V6; -27.5 W4
443	+22.0 L5; +19.1 W3	846	-97.3 L6; -97.0 V2
445	-11.2 W3; -14.4 V2	649	+7.9 V6; +7.2 Y4; +10.7 L3
446	+1.0 Y7; +4 L5	651	+10.0 V6; +17.8 W5
447	+9.9 L8; +8.8 Cs5; +9.9 B4; +7.4 W3	653	+4.8 MilG; -9.3 V5
448	+13.4 W4; +13.2 V2	660	+11.3 L9; +12.0 C6; +13.1 B3
449	+31.9 L7; +32.3 C3; +36.5 B3; +31.7 V3	664	-1.6 L8; +4.8 Y3
457	-9.0 L13; -8.7 C8	665	-250 V2; -238 W2
461	Orb. Jordan: IS We	666	+0.5 L14; +2.4 B8; +0.6 37; +3.2 W4; -2.0 V3; -1.0 Prl
466	P258	669	-8.5 W3; -1.0 SI
470	+8.6 L4; +7.1 W4; +5.4 C3	570	-3.5 V6; +9 L3; +2 Y3
471	+5.2 V5; -2.8 L4; +4.8 W4	671	-9.5 W3; -11.9 VI
478	-22.3 W5; -29.6 V4	672	-13.1 V6; -8.9 W4; -11.2 SI
481	P329	874	+6.4 D4; +4.6 W4
484	+4.6 V5; +6.8 W3	679	P517
489	P331	680	+10.6 L9; +10.0 Y4; +2.9 V2
490	-26.2 W7; -21.1 V6	681	-6.2 W4; -1C.7 L3; -13.1 Y3
492	+21.3 L8; +19.2 B3	882	+7.7 Y5; +1.7 L4; -8.0 V3
496	+29.4 L3; 39.5 W3	684	+5.0 W6; -6 L5; -8 Y3
499	+15.5 L5; +17.4 V2	687	+15.7 L5; +17.5 B3; +15.1 VI
500	-5 W3; +2 Md2	688	+30.5 L7; +30.0 B4
501	-3.4 S4; -10.3 V2	691	P189
503	-1.2 V6; -4.4 W2	703	-2.8 V8; -1.4 W2: IS -6.8 V; -16.3 W3
509	P406	706	+6 L23; +4.4 B2; +0.1 VI
510	+8 S4; +15.9 V3	708	SB (46)
511	-23.1 L5; -22.3 W3	712	+5.8 D4; -1.8'W2
521	-8.8 W3; -7.6 V2	714	-18.2 D6; -16.1 W3
523	-26.8 L4; -21.9 C3; -29.1 W3	719	+21.8 L4; +19.6 W3; +25.2 V2
525	-47.0 L6; -48.0 VI	725	P347
526	-6.4 M170; -7.6 Md59; -4.7 L15; -8.5 Pm9; -14.4 Y8	727	P314
529	-7 V5; +3 Y4	736	Sp G5-M2
531	+7*7 L10; +7.1 Y4; +8.5 V3	746	+4.6 W7; +9.1 Y4; +1 L3; +11.6 VI
541	+6.1 D5; +5.2 S4; +5.4 V2	747	-32 W4; -46 L2: IS W4
545	-51.5 D5; -51 W3: IS W2	748	EA 11.7: Orb. Struve
550	-1 S4; -13.9 V3	751	P612
553	-23.5 D4; -19 L3	752	-48 W3; -22 L2: IS W3
555	+10.5 L14; +5.5 Y2	753	-75.6 04; -71.9 W3
564	-9.8 85; -4.6 D4	757	-36 L3; -50 W2: IS W2
565	+2.1 V5; +9.1 W4	758	-53 W3; -59 L2: IS W3
566	+13 VS; +23 W4	761	+4.7 L6; +16.8 Y3; +5.0 V2
587	+6 V7; -10 W3	762	-24.2 W44; -25.3 B4; -27.2 L3
573	EA 2.49: VeL of system variable: Orbits 0 Md1S (Strove, revised by Hardie); -6.0 L33 (Carpenter); +22. Md28 (Hardie)	763	+10.5 S3; +17.8 W3
577	0 Md4; +11 W3	765	-18.7 VS; -10.6 W4
585	-8 Md4; 0 W2	771	-34.9 D5; -34.6 W3
594	+3.3 W3; +8.0 VI	774	-75.8 W5; -75.7 V4: IS W4
595	+5.5 W5; +2.9 V4; -3.2 S4	778	-0.1 W3; +4.3 L3
586	+6.9 L5; +9.4 B3; +6.5 V2	790	+14.3 V6; +6.0 Y2
598	-1.1 1)5; -1.8 W3	795	+17.5 L9; +17.1 C6
602	-63.9 V4; -48.7 S4; -52 W5: Probably SB: IS -33 V; -18 S; -25 W	801	-12.0 L7; -7.8 W3
		805	+8*7 L10; +3.0 Y5; +3J V3
		808	-1u V4; -17 S4
		809	-21.0 L3; -25.8 C3; -13.9 W3
		810	+17.3 V5; +15.1 8%
		811	+30.4 D8; +29.1 V3; +31.7 W2

812	-9.3 L6; -9.3 V6; -7.2 W3	1058	-3.7 V134 (Petrie); -0.6 Pm76 (Ludendorff)
827	+10.0 L7; +11.4 B4; +12.C W3; +8.1 VI	1070	P426
835	-14.5 D4; -18.8 W4	1073	+30.0 V6; +29.1 W5
837	+8.2 D6; +8.5 W3	1076	-6.2 C15; -6.2 L8
844	P354	1080	+0.5 D4; -4.1 W3
847	-11.2 V5; -11.6 L3	1082	+0.6 L5; -0.8 Y5; -8.6 V3
848	+2.7 D6; +3.7 V5	1084	-46 L2; -44.3 W3
851	+10.3 V4; +7.4 W4	1087	-0.1 V5; -1.1 W3
852	+4.6 W8; +2.2 V2	1091	+7.1 V10; 0 Y4; +3 L3
853	+33.9 L4; +35.4 V6; +35.8 W6	1094	P318
854	-38.6 W10; -38.8 V7; -33.4 D6: SB (44)	1102	-17.5 W3; -18.7 SI
856	P344	1104	+17.9 L8; +18.3 C4
861	+13.4 O40; +15.3 L9; +15.9 S11; +15.1 D6; +15.5 C5; +14.8 B4; +16.6 Cs4; +15.6 VI	1105	Orb. Struve
862	+43.7 W5; +42.1 D4	1106	-1.3 L7; -0.6 Y6; -13.0 V2
863	-6.5 L8; -7.1 C7	1111	0 O16; -7.5 Y9
867	-38.1 V4; -39.7 W4; (-50) L3	1112	+24.4 L5; +22.8 C3
868	-46 L3; -30.8 W2: IS W3: NGC 581-119	1113	+4 D7; -4 W3
869	-25 L2; -51.6 W2: IS W2	1114	-14 L6; -7.0 Y5; -17.1 Vn3; -21.8 V2
878	P335	1115	-30 V5; -7 W1
879	+6.8 L6; +6.5 B3; +7.4 VI	1118	-21.1 W10; -18.3 V6: IS W7
884	+2.0 W2; +1 L2	1119	+10.4 L11; +8.5 Y7; -6.4 VI
898	+4.9 V5; -2 S4	1120	+10.3 Y7; +11 L4; -5.1 VI
899	-44.6 V6; -40.9 W3	1123	-30.6 L6; -30.3 C3
902	+23.8 L7; +23.1 C5; +25.2 W3	1124	-4.7 D4; -9.1 W2
905	-28.6 L7; -26.4 B3; -27.9 W3; -31.1 VI; -28.2 SI	1125	-2.7 L3; +11 Y3; +2.5 W3; +2.7 V2
906	Sp G2-M	1126	-36 L4; -20 Y3; -6 W1
907	-5.5 S5; +3.0 W4	1132	+14.4 S4; +15.8 W3
908	-2.9 L3; -6.7 W3	1133	-11.1 L16; -12.9 MilO; -7.1 Cs5; -10.4 B4; -15.1 Y4; -9.1 W3; -12.6 Pr2; -9.9 Pml
910	+15.9 L8; +18.2 B4	1134	-12 L5; -16.8 V3
913	+1.0 V7; +5.0 D6; -1.6 W4	1144	P296
920	+6.2 L5; +9.1 W3	1154	-24.0 D4; -27.6 W2
925	+6.8 D4; +4.8 W3	1160	-15.3 C38; -12.3 Pk15; -13.8 Y13; -12.6 S13; -14.1 L12; -15.8 Cml1; -13.0 B10; -15.6 MilO; -12.8 Cs7; -14.1 V6; -15.0 W5; -14.9 04; -14.3 Lw3; -13.7 Pm2
928	P220	1161	-2.1 V6; +0.3 W3
930	+17.1 V5; +19.6 W3	1163	-36.7 W15; -35.7 V4: IS W7
933	-15 L4; -9 Y1	1167	+5.5 V7; +9.4 "Y4; +9 L3
934	+15.2 V6; +12.9 Y3; +24.9 W3	1171	Struve, Pogo
943	+3.8 V6; +6.7 Y3	1172	+2.9 L10; -6.4 W3
944	+4.4 L5; +5.1 B3; +1.3 W6; +2.0 VI	1179	+1 V3; +0.1 W3
947	+0.4 L5; +2.1 B3; -0.6 V3	1181	+14 V3; +15.6 W2
948	+5 Y5; -2 L2; +6 V2; +20 Vn3	1182	-35.2 W8; -32.0 V4: IS W5
951	-1.0 L4; +0.2 W5; -5.7 Y3	1189	+10 V14; +10 S5
953	+5.5 W4; +2.0 V2	1192	-19.2 V6; -17.2 W3
957	-34.2 W4; -33.0 L3; -36.5 VI	1205	+5.4 L4; +7.9 W3
965	-33.8 C5; -34.1 L4	1207	-46 L21; -49.0 V5; -48.3 W3
969	Orbits +0.8 111588 (Dustheimer); +3.4 O151 (Cannon); -3.5 Pml24 (Ludendorff); -1.2 A112 (Jordan): Also +1.0 L10: IS We	1208	-42.6 V4; -38.2 W2: IS W2
974	-17.4 W3; -20.8 V2	1209	+18.4 D4; +14 L2
979	-16.1 L8; -16.4 C4; -15.0 W3	1212	V28, W11, L6
984	+13.8 L8; +14.5 B3; +11.6 VI	1214	+20.2 D6; +27.0 W4
997	+2.8 W6; -8.1 84	1215	-4 L33; -5.2 B6
998	+1.9 W3; +1.8 V2	1222	-9.2 V0; -8.4 W3
999	-1.7 C5; -2.4 hi	1244	+20.0 V6; +23.5 W3
1009	+35.9 V6; +37.2 W3	1245	-3.2 W5; -1.2 Y4; +3.0 L3; -1.6 VI
1011	-26.8 W3; -27.1 SI	1249	-38.7 W8; -39.8 V3: IS -29.3 V3; -23.8 W2
1012	+4.0 D5; +2.4 W3	1250	P187
1029	-18.4 V6; -15.5 W2	1253	-41.4 W9; -37.4 V4: B -2S.1 W4; -87.4 V4
1031	-5.0 W7; -13 L4	1264	+6 L5; +21 Y5; +14 VI
1036	-22.0 O8; -7.9 VS; +9.0 W4; +14.1 Y1	1265	P397: Em W4
1037	Orb. liore	1271	+6.0 S3; +5.8 W3
1047	-6.4 W3; -8.0 V2	1277	-48.0 V8; -51.5 W1: IS -33 VS; -13 W1
1049	+25 W3; +28 Md2	1280	+11.8 W4; -1.6 V3
1052	-8.6 O55; -7.9 L7; -4.9 Y5; -11.2 VI	1282	-44.0 Y9; -42.3 W4: IS -31.3 Y; -31.4 W
1053	+4.3 M112; -0.6 LS; +1.2 Y4; +10.7 VI	1284	-41.0 W8; -47.6 VI: IS -22.2 W2; -25.5 VI
1054	-1.9 Mi20; -4.7 L3; +2.4 Y3; -4.8 VI	1289	-29.2 W3; -29.3 Y4; -30.C L2; -30.8 Y1
1057	GO CIS; +.8 L4		

1290	+2.4 S12; +6.8 Y7; -0.2 L4; +5.9 W3; -0.7 V2	1528	+4.7 W3; +7.3 V2
1292	-8.4 W5; -21.7 V3	1531	+23.5 D4; +13.0 W3
1301	+64 W85; +62.2 L16; +66.6 Y14; +63.0 C5; +66.1 B3; +63.9 Mi3; +64.7 V2; +65.4 O2; Em +48 W85; +50.5 B8; +52.0 Mi4; +49.8 V3	1534	+21.6 O5; +23.2 L4; +6.3 Y3: IS We
1310	+3.2 V6; -0.9 W4	1535	-5.5 L11; -3.2 W6; -4.2 Y5; -9.5 V2
1313	-5.2 V6; +2.2 L5; -8 Y2	1537	+25.1 L5; +22.9 W5; +26.6 B3
1319	-46.4 W8; -48.3 V5: IS W3	1539	-3.8 W3; -3.6 VI
1324	-16.2 W7; -11.4 Y5; -15.3 L4; -19.9 V2	1544	+38 W2; +65 Mdl
1339	+9.0 V7; +35 L5	1545	-32.7 V6; -30.8 W3
1341	-39.5 V14; -21.8 W3: IS -14.3 V14; -13.9 W4; -4.8 We	1547	Orb. Struve
1349	-26.5 W7; -25.4 V2	1548	+15.0 L7; +17.0 Y3
1354	-13.4 L7; -12.2 W3	1552	-4.5 Y6; +1.8 L5; -0.5 V3
1357	-45.9 W6; -46.7 VI: IS -18.9 WI; -24.4 VI	1553	+25.2 Y10; +29.7 L7; +30.2 C3; +34.4 VI
1362	+5.2 V7; +9.0 Y6; -2.9 W5: IS We	1555	EA 6.86: Vel. from H lines; -26 He
1364	-4.6 L8; -4.1 V2	1557	+19.9 S4; +16.0 V3; +22 W3
1365	Orb. Deutsch: Velocities from H and Hel do not agree, -25 H; -40 Hel	1558	+26.2 L7; +23.1 W6
1368	IS -26.3 V; -29.8 W2	1559	-42.6 D4; -41 WI: IS WI
1369	,-21.1 W8; -30.3 V4: IS V	1561	+14.9 D4; +8.9 W3
1371	P167	1566	-38.3 A71 Orb. Jordan; -45.6 Mil6
1373	-0.9 L10; +0.8 W4; +45.6 Y4; +16.3 V2	1569	-3.2 D5; -1.3 S3
1383	-40.3 V6; -38.0 W4	1571	Sp G4-M3
1388	+3.3 L5; -2.8 Y5; +1.3 V2; +2.0 W2	1572	-15.8 L5; -11.2 B3; -18.0 VI
1391	P391	1575	P314
1394	-27.6 V6; -22.5 L4; -24.8 W3	1577	+46.5 V6; +47.8 \$3
1396	+7.1 L6; +16.3 Y5; +14.9 V3	1578	-37.0 D4; -39.7 W4
1397	+40.6 V6; +37.1 W3	1581	Orb. Young: IS +21.0 Y; +13.3 We
1402	+20.2 W4; +21.1 V3	1583	+17.2 L8; +16.2 C4
1406	P387	1584	-1.8 L6; +2.1 B3; +0.5 W3; -2.5 VI
1409	-12.8 V5; -10.1 W4	1585	+13.1 Y9; -7.5 V6; -0.5 L4
1411	+23.5 W5; +12.7 S4	1588	-7.0 W8 Orb. Adams, Shapley; -4.4 V2
1417	-35.4 V4; -46 W2: IS W2	1600	-10.0 D4; -13.7 W3
1423	-62 D6; -29 W5: SB (156): IS D6	1601	+13.9 L5; +15.6 V3
1424	-59 W6; -32 L3: IS W3	1603	+16.9 W5; +21.2 L3; +4.9 Y3
1425	+26.4 L3; +27.0 W3	1605	-45.0 W3; -46 Md2
1426	-6 L2; -24 WI: IS WI	1611	+20 Md4; +18.5 W3
1427	-35.8 L4; -36.2 W2	1613	+7.6 L4; +0.6 W4
1431	-13 L3; -57 W2: IS -16.5 W2; -18 L3	1615	Orbits +2.2 V40 (Christie); +2.2 L35 (Colacevich)
1434	-1 W4; -2.7 S3	1619	+28.4 V6; +28.2 W2
1435	-11.6 V6; -12.8 W2	1822	P401
1438	+5.6v S6; +12.5v D5; -3.3 W3: SB (35)	1625	-21.6 W2; -25 L2
1445	P235: Em W4	1631	-12.2 D4; -12.4 V2
1455	+11.1 W3; +21 Mi2	1634	+27.7 V6; +28.8 W5
1457	-8.3 W6; -12.2 V2	1638	-20.4 L7; -19.8 C4
1459	-7.4 W4; +2 L2	1639	-8.9 W7; -30.0 L4; +3.6 Y4; -31.3 V4
1461	-41.3 W3; -49 VI	1640	+7.3 V16; +5.5 L3; +9.8 Y3
1462	-3.0 L4; +0.4 WS	1647	-41.6 D4; -39.3 W3
1404	+22.5 W5; +26.4 V2	1649	+27.9 V7; +27.0 W3
1467	+21.6 D4; +43.7 W3	1650	SB (159)
1469	+S.7 D4; +3.0 S4	1651	+14.1 Y15; +13.0 V9; +18.3 L3
1471	+6.7 W3; +5.5 SI	1654	-36.0 L8; -35.3 W3; -38.8 VI
1473	P268	1657	-10.7 Y5; -4.9 L4; -4.4 W3; -1.4 VI
1475	-1.6 D8; +2.9 S4; -0.6 V2	1059	-7.7 W6; -6.2 L4; -5.3 Y4; -13.8 V3
1476	Orb, Adams, Joy	1660	-5.3 W5; -8.1 V3
1473	+4.7 O6; +10 W4	1664	+5.1 V3; +8.0 W3
1492	+15.0 Y4; +8.0 LS; -6.7 £2	1868	Crb. Struve
1496	+2.6 C415; +15.9 Y76; +10.4 M6; +11.8 L5: Orb. Crump	1669	+1L4 L8; +9.2 Y3; +7.6 O2
1498	+15.6 L9; +11.0 W3	1870	+24.2 L5; +16.8 W5; -7.6 Y3
1504	+18.0 W5; +16.7 ¥3	1672	-8.5 V7; -3.0 L5; -5.2 O5; -1.1 Y4; -3.1 W4
1505	+8 V4; +12 Y4; +34 L3	1675	+31.0 L5; +21.1 W3
1516	-9.2 L11; -3.2 C6	1632	-0.1 V3; -8.1 W3
1518	Colacevlch: Also (-18.8JW3; (-11)B3	1084	-40.0 V5; -33.9 W3
1520	13 -22.2 V8; -18.9 WI	1885	+6.0 V6; +15.6 W3
		1688	-25.7 C16; -25.3 L7; -23.4 B4; -29.0 34; -26.2 W2; -22.8 VI
		1692	-11.8 L9; -2.3 Y3; -11.4 WI
		1699	McLaughlin MI34: +0.6 LI3; +\$*d Cs5; +1.6 B4
		1703	-44.8 LS; -45.1 V8; -44.9 W3
		1704	+11.8 Yd; +21.0 L3; +21 VI

1707	+28.2 L6; +19 VI; +29 W1	1902	-0.6 V4; +0.3 W4; +27.0 O2
1708	+0.3 D4; +4.6 W3	1904	-174 W5; -171 Md3
1716	EB 32.3: Orb. Struve: For the A5e star vel. = -3	1905	+50.8 V6; +44.2 W4
1719	-15.4 V6; -16.0 W3	1909	-3.5 W5; -6.5 V4
1730	-25.2 V6; -23.9 W5; IS -7.7 V6; -10 W1	1910	-1.6 W5; -31 O5; +14 Y4; 0 L3: IS We
1731	Orb. McLaughlin; also +4.4 Pk53 (Belopolsky); +4.1 A93 (Curtiss); all measures were used by McLaughlin in determining the elements of the long-period orbit.	1911	-10.6 V4; -13.4 W4
1734	+50.3 L8; +48.6 B3; +49.9 W3; +50.4 V2	1913	SB: -5.9 V24; -7 L17; -6.3 Y8; -5.9 W3; IS W6
1735	-143.0 W3; -133 V2	1915	+8.9 DS; +12.1 V5
1741	+28.7 L10; +30.6 B3; +22.2 V2	1916	-1.4 Y7; +1.0 W6; +3.5 L4; +1.2 VI
1743	+10 Y4; +0.4 V4; +24 L3	1919	-153 Md2; -168 W2
1750	+12.8 D6; +11.2 W3	1921	P210
1751	-6 W5; -11 Mi2	1922	+3.2 S6; +0.4 D5
1752	+6.1 L5; +9.8 B3	1923	+5.4 D4; +4.2 W1
1753	P370	1924	+14.9 L5; +19.5 B3; +14.6 V2
1758	+24.6 L7; +27.9 B3	1927	+13.2 D6; +4.4 W4
1758	+13.8 W2; +12.2 LI	1931	-16 Y4; +2 L3; -2.0 V3; +19.8 W3
1785	+12.0 W3; +6.1 VI	1932	+5.4 L4; +7 W1: Nova Per 2
1737	+10 Md2; -55 W1	1939	+12.4 S3; +10.2 W2
1769	+5.6 W6; +3.6 S4	1941	+9.0 L9; +34.4 Y3; +13.5 VI
1772	-20.7 L10; -21.5 C7	1944	+2.2 D6; +7.8 V6
1774	EA 3.37: Crb. Pearce	1946	-2.9 W4; +7.7 Y3
1775	+19.3 L4; +15.7 C3; +17.3 W3	1948	-45.2 L3; -46.1 W2; -46.9 VI
1787	-12.6 W8; -11.6 V4	1952	+7.4 D5; +3.4 V3
1788	+15.4 L7; +1.0 Y6; -0.9 V2	1962	+16.0 L6; +14.8 C5; +16.0 W3; +14.6 VI
1791	-6.2 W5; +2.0 Y4	1984	-0.1 Mi20; +0.7 W5; +2.7 L3: IS +1.6 Mi; +2.6 W3; -0.2 We
1793	-0.9 D4; -3.8 W2	1991	+20.0 D4; +18.4 S2
1794	+14.4 S4; +10.6 D4; +13.7 V3	1992	IS -2.5 V; +0.4 W2
1802	+0.5 L6; -15.5 Y3; -14 V2	1998	+28.3 L8; +26.2 W4; +28.3 B3; +25.3 S3
1805	+17.5 D5; +22.5 W3	2000	Orb. Struve
1809	+0.9 W7; +5.8 L4; +8.1 Y3	2010	+9.9 L5; +13.6 C3
1812	+2.9 W6; +4.4 Y4; -14.8 V4; +7.0 L3: IS We	2015	-6.0 V4; -6.3 Md2
1819	-5.6 V4; -0.6 W4; -13.5 Y4; +0.7 L3: 13 We	2022	+21.0 V5; +21.2 W3
1823	+1.0 W6; -13.8 C4; -1.5 L3; +34.6 Y3: IS We	2026	-0.5 S5; +13 V4
1824	+21.6 Mi20; +2.2 Y4; +42.4 Vn2	2027	-21.3 L7; -24.4 V8
1825	+1.7 L9; +2.1 V4	2029	IS We
1829	+24.9 L5; +23.6 C4; +21.8 W4	2031	+10.9 S7; +4.4 D6
1839	+1.1 S4; -0.5 W3	2037	+9.5 Oil; +35.0 W8; +23 L5; +2.7 Y3: IS We
1840	P176	2039	+0.7 W6; -37.8 Y5; +12.8 L4
1845	+42.4 L8; +39.7 C3	2040	-12 W3; -6 Y3
1846	-2.1 L5; +0.6 B3	2050	+16.5 W3; +12 L2
1851	+86.8 L6; +86.8 C6; +88.3 W3	2054	+8.4 Md4; +5.6 W1
1853	-12.8 L6; 0 Y5; -4.6 W5; -13.8 VI	2055	-4.0 Md4; +11.6 W1
1854	+24.0 V6; +23.5 W3	2057	-6.1 L9; -7.5 W3; -8.5 VI
1855	+20.1 L6; +9.9 V5; +7.2 Y3; +15 W1: IS We	2058	+79.8 V5; +74.9 W3
1860	+6.2 W2; +11 LI	2061	+10.2 D4; +9.9 V3; +3.1 W3
1862	+3.4 W6; +8.2 L4; +2.9 Y3: IS We	2083	Orb. Jordan; (+8.8) Pml6 Orb. Ludendorff; IS +10.3 W3; +10.1 We
1863	+1.3 V7; +1.7 L3; +5.9 W3	2065	+4.7 V6; +5.0 W2
1864	Both stars observed; magnitudes are equal and both are spectroscopic binaries; pr. star +11 4 pi. SB (80); fol. star +19 4 pi. SB (70)	2066	+21.5 W5; +22.2 VI: IS W2
1865	+32.4 V6; +31.9 W3	2069	+2.7 Md4; -2.0 W1
1866	Orb. Struve	2070	-13.1 L9; -11.9 B3; -12.4 V2
1871	-3.4 Pm49; -0.8 Cm 44; -1.7 B(Goos)37; -L8 Pk26; -2.1 L23; -2*5 V23; -1.6 Y19; -5.1 Pr19; -1.9 F12; -5.7 M10; +0.6 Cs5; -2.5 Lw5; -3.7 B5; -2.1 O5; ^\$M W3	2077	+3.5 V5; +1.1 L5; +4.3 Md4; +1.8 PmS; (+44.5) Y4: IS We
1874	+11.7 V8; +14.0 W4	2078	+8.9 Md4; -4.7 W1
1878	+8.4 D6; +4.0 S5	2079	+10.5 L4; +12.8 Pm4; +14.5 Y3; +10.5 W3; +14.9 Md3: IS We
1882	-21 L25; -21.0 C6; -20.8 B3; -21-7 V2	2080	+59 W3; +9 Y2
1895	P251	2082	+8.7 Md4; +3.2 W1
1897	+3.9 W8; +10.9 L5; +7.2 Y3: IS -0.4, +18.4 We	2085	-1.2 Md4; +24.8 Pml
1898	+18.0 DC; +15.0 V0; +\$.1 S4	2088	+5.8 L15; +7.6 Pm5; +3.5 Y3; +3.6 W3; +3.2 Md3; +3.4 V2; IS We
1899	-8.0 Y1; -8.8 LS; -5.5 W4; -10.4 ¶2: IS -4.5 Y; -8.3 W	2092	+0.3 V6; +4.0 W3
		2003	+11.3 Md4; +19.8 W4
		2097	+8.4 M40; +6.1 O27; +3.8 Y13; +5.1 MM; +10.4 L5; +10.9 Pm4; +9.4 W3: IS We

2099	+6.9 Md4; +0.3 W1	2288	+24.2 Y64 (Struve, Hujer); +24.9 Cd38 (Sahade)
2100	-0.2 Md5; +1.2 W2; -2.0 Pml: IS We	2290	EA 395: Orbits +13.0 A126 (Schlesinger); +16.5 Mi91 (McLaughlin): IS We
2102	+16.2 L6; +8.9 V6; +19.0 Y2	2291	+30.7 W8; +12.2 V4
2103	-1.0 Md6; -3.9 Pml; +10.8 W1	2292	-0.8 L8; -3.1 C2
2107	-6.2 Md4; +4.6 W3	2297	Sp cG2e-M3
2108	+7.2 Pm5; +5.8 Y3; +1 L2; +12.8 W2; +4.1 Md2: IS We	2298	+15.5 L6; +18.3 V5; +10.8 Y3; +15.8 W1
2110	+3.1 Md4; +6 VI; +6.1 W1	2303	+17.6 L5; +16.2 C3; +17.0 W4
2114	Spencer Jones	2304	-5.9 L13; -9.1 C6
2117	-0.8 Md3; +6.1 W1	2306	-20.2 V6; -21.2 L3
2121	+45.7 L6; +46.2 C5; +43.5 W3	2309	-6.5 L10; -3.7 Y4; -5.2 V3
2130	+5.6 Md4; +5.0 W4	2313	EA 2.77: Orb. Hiltner, Hardie
2132	-3.4 Md4; +15.2 W1	2314	-45.5 D4; -46.6 W3
2135	+10.6 Pm7; +5.2 L5; +14.3 Y3; +13.6 W3; +9.1 Md3: IS We	2315	+12.1 V7; +12.8 L5; +10.6 Y3: IS +10.7 V; +22.6, +31.7 We
2136	+8.2 Md3; +8.9 W3	2319	+36.8 V5; +33.0 A5; +36.0 L4; +37.2 Y3; +31.0 W3
2142	+7.1 L12; +3.8 C4	2323	-9.5 W5; -7 Mi3
2143	+35.5 V7; +32.6 W5: SB 2-sp	2324	+30.1 L6; +29.6 V4: IS +6 L3; +11.8 We
2146	-3.2 L6; -3.1 W7	2325	-17.6 L4; -18.8 V5; -19.2 W3
2147	+1 Y4; -9 L3; 0 VI	2326	+3.0 L5; +5.6 V4
2152	+9 Y3; -14 Md3: IS We	2327	+9.9 L5; +9.7 B3; +7.4 V3
2153	+26.8 L5; +32.7 Y3	2331	+25.9 W3; +23.1 SI
2154	+14.2 Md3; -9.6 W1	2336	+8.0 Y9; +4.7 L3; +1.2 VI
2155	+20.5 L4; +15.6 Y3: IS We	2339	-72 L2; -30 W1: IS W1
2160	-1.9 V4; +7 L3; +6 W2: IS -0.1 V; -5.5 W1	2340	-3 L4; -25 W1: IS W1
2167	+53.3 W3; +52.2 LI	2341	-1 L2; -19 W1: IS W1
2170	+68.5 D4; +64.8 W3	2344	-18 L35; -13 V8; -19 W2: SB: IS -8.2 V8; +4.8 W2: A 2984B
2171	+3 L5; +15.1 Pm5; +12.6 Y4; +6.2 W2; +1.7 Md2: IS We	2345	EB 2.70: +11.0 V12; -36 L8; -23 W2: SB: IS -7.4 V10; -3.7 W2: A 2984A
2172	+5.5 Md76; +3.2 W61; +2.9 Pm7; +3 L4; (+23) Y6: W plates show decrease in vel. from +10 to -10 in 20 years.	2349	-2.8 V4; -1.2 Y3
2177	-9.6 W4; -15.5 O4; -11.5 Y2; -34.8 VI	2351	-38 L2; -15 W2: IS W2
2179	+11.4 Md4; -2.5 W1	2352	EA 2.03: Orb. Plaskett: IS +10.5 V; +14.0 We
2180	+4.7 Md4; -10.0 W1	2353	+8.1 L4; +10.4 V6; +7.6 W3
2181	+11.7 D12 ; +24.5 W4	2361	+16.4 W4; +11 VI
2182	-19.7 V4; -16 W4: IS -1.6 V4; -4.7 W5	2362	+37.8 D5; +33.4 S4; +35.2 V3; +34.9 W2
2188	+6.3 Md5; -L0 W1	2365	+0.8 W6; +0.5 Y5; +6.4 O4; +8.0 L2; +3.9 F1: IS +4.1 W5; +5.7 We
2194	+3.0 V8; +2 L4; +9 Y3	2370	+25.6 W5; +20.6 V2
2197	+2.9 L6; +1.1 C3	2376	+36.2 D4; +41.5 W3
2200	+3.4 Md4; +11.3 W1	2379	+27.1 W6; +23.9 V5; +22.4 L2; +23.5 B2
2201	+15.7 L17; +17.6 C3	2382	+11.8 L6; +13.3 W3; +19.9 Y3: IS Y3
2203	P252	2385	+19.9 D4; +22.3 W3
2204	+8.7 Md4; +4.3 W1	2386	+19.2 L5; +18.1 W3
2208	+17.6 W6; +18.8 V6; +16.8 L5: IS We	2388	+33.6 W2; +31 LI
2219	+20.8 W3; +22 L2	2389	-8.4 C3; -12.1 W3
2222	+18 L5; +12 Y3; +14.8 W3	2395	+36.6 V6; +34.5 W4
2224	+37.6 W4; +25.7 B2; +36.4 V2	2400	P374
2227	+ 20.8 B4; +21.7 W3	2401	+14.4 L4; +2.0 W3
2230	+19.2 L8; +21.6 Y5; +20.4 W5; +16.5 O5; +19.7 F3: IS +12.0 We; +12.3 FS	2403	Orb. Struve
2234	+15 Y6; +39 L3	2409	+7.8 L4; -1.3 V4; +3.1 W4; +2.1 Y3
2237	+16.1 W5; +10 V5; +20.2 S4	2413	Johnson, Neubauer: Also (+ 7.8) O59 Orb, Cannon
2238	+ 28.9 W; +18.6 S4; +28.6 W3; +35 V3	2414	-0.4 L8; -5.8 B4
2241	- 11.2 L8; -8.0 V8: IS V	2425	+6 L4; +11 Y1
2247	+ 9.9 W5; +9.7 L3; (+ 12.8) Y3; (-15) O2	2427	+7.0 L5; +6.6 C3
2251	-3.0 L6; +L9 WS	2428	+21.4 L9; +22.6 ϵ 4
2255	+8.2 L8; +3.9 W3; +3 Y3	2433	-13 W6; +20 Y4; -16 L3; -3 V2
2258	P252	2434	P474
2257	+25 VY; +25 L4; +13.2 W3; -8 Y3: IS We	2436	+17.0 L10; +10.6 O7; + 20.4 Y4: IB We
2281	+32.5 V7; + 28.8 W3	2439	+37.3 D6; +37.0 W4; +33.2 S4
2268	-8 Y8; +10 W9; +4 O6; -35 L2: IS +10.7 W9; +7.6, +18.2 We	2440	-42.1 L7; -42.0 W5; - 45.6 V2
2270	+6.5 W4; +5 Md2	2441	-53 W4; -20 Md2
2273	+7.8 35; +9.4 Md2	2443	- 37.6 V6; - 40.9 W3
2214	+81.5 L11 ; +8.2 O C7	2447	- 15 Md4; -5 W2
2275	+67.4 VW; +75.0 Y9; +70 W5; +75 F4: IS + 14.5 V; + 12.4 F4; + 10.5 W7; +9.4, +25.4 We	2450	+ 35.9 C9; +35.5 L7
		2455	+16.2 L5; + 15.8 W6; +16.7 Y4; +10J W2

2457	+23.1 O36 (Cannon); +13.5 V15 (Harper); +19.8 D19 (Heard)	2656	+16.2 L5; +19.1 W3
2458	+26.9 L7; +26.5 C4	2657	+38.9 D4; +40.7 W4
2465	+35.5 V7; +33.3 W5; (+6.7) A2	2660	+1.9 V6; +0.8 W5
2468	+28.8 L6; +30.1 C4	2667	+38.6 V17; +32 Y2; +25.4 L2
2473	-24 W5; +7 VI; -9 Y1	2674	+20.1 L5; +20.8 C3
2477	-7.8 L5; -11.3 V5; +22.0 Y3; (+33) Vnl	2679	-11.6 L5; -13.0 C5; -9.5 W3
2478	+13.8 W5; +15.1 L4; -1.4 Y3	2680	-27.4 L5; -26.9 C4; -24.1 W3
2480	+11.5 L4; +14.2 Y3; +12.2 VI	2686	Orbits +29.2 A36 (Daniel); +28.4 L31 (Wilson); +29.7 O30 (Harper), +29.0 revision (Luyten)
2481	Sp G2-G6	2688	P277
2482	+23.1 V3; +25.1 W3	2689	+54.0 C113; +54.8 W28; +54.0 V22; +54.1 Pml3; +56.5 S18; +56.2 B11; +54.9 L10; +50.9 MilO; +55.4 Y5; +55.9 Cs5; +56.1 F2; +49.2 Cml
2483	EA 13.2: Orb. Struve	2692	+43.2 S4; +41.7 W3
2485	.16.6 W3; -17 L2	2694	-3.8 L8; -4.4 C4
2486	-38.5 L10; +33.6 V12; +38.5 W4; +39.6 B3	2697	+9.2 O52; +13.5 Y25; +10.5 L3; +15.3 W3; IS +9.7 W3; +2.5, +21.0 We
2491	f42 V7; +40.1 W3	2700	Orb. Haynes
2499	+43.6 V9; +37.6 W6	2702	+17.6 W3; +4 VI
2505	+37.6 V12; +28.7 Y5; +39.7 W3	2703	+28.0 L4; +22.6 W3; +16.2 Y2
2507	+1.0 L4; +1.8 Y4: IS +3.2 Y; +6.1 We	2706	+25.3 L5; +18.6 Y4; +18.2 W3; +20.6 VI
2509	+37.0 W6; +35.7 D4	2707	P373
2513	+31.8 L6; +37 Y3; +27 W1	2708	Orb. Pearce
2519	+36.7 D5; +38.4 W2	2709	+35.6 V6; +40.7 W4
2525	+42.7 V6; +37.7 W5	2711	+41.4 V21; +50 Y9; +45 W2; +54 L3
2528	+25 W4; +11 L3	2718	P337
2535	+38.1 VII; +38.5 L7; +37.1 C4; +40.8 B3; +41.0 W3	2721	+43.6 C18; +38.7 L7; +43.3 W4
2537	+33.6 W2; +34 LI	2723	+18.9 V6; +22.0 L3; +16.2 Y3
2544	+3.3 L3; -4.8 W3; -9.8 V3; -2.8 Y2	2726	SR 338
2546	-7 L4; -9 V4; -2.9 W3; -25.3 Y3	2727	+23.0 W4; +15.2 L3; +17.8 Y4; +17.4 V2
2547	+36.8 V21; +36.6 Y5	2728	+16.5 S4; +29.9 V2
2553	-31.2 V6; -35.4 W3	2729	+37.0 V7; +29.6 Y4; +42.0 W3
2560	IS +8.9 V4; +13 W1	2730	+37.6 V17; +22.5 Y6; +43.8 W2
2561	Sp A7-F2	2731	+7.2 L6; +9.1 Y3; -1.6 V3; +9.1 W3
2564	+23.3 L11; +26.1 C4	2738	+28 L3; +18.1 W3; +25.8 Y2
2565	+41.7 Y7; +41.3 L5; +37.7 V7	2741	+22.8 W5; +22.5 V4
2566	+37 Y5; +32.4 V3; +16 L2	2744	-21v L5; -14.1 W4
2567	+36.3 L4; +33.0 Y4; +33.5 S3; +37.5 V2	2746	+23.0 D6; +26.2 W5; +25.3 V2
2569	+33.7 S4; +38.2 W3	2747	-33.5 L6; -34.3 C3; -31.5 W3
2572	+42.0 W4; +35 LI	2749	+46.1 V2; +45.6 W2
2574	+27.9 L3; +26.7 W3	2753	-1.0 L10; -2.2 C10
2578	+34.6 V25; +34 O22; +26.8 Y2	2757	P143
2580	+47.6 V25; +3 Y4; +30 W2	2759	Revised by Tanner
2585	+31.8 L4; +33.3 B3	2760	+5.6 W6; +1 L3; +13.3 V2; +29.4 Y2
2589	+10.5 W5; +4.7 Y4; -4.6 L3	2763	+33.4 W4; +21 Md3
2597	+35.7 V6; +35.2 W5	2705	+5.8 W6; +9.7 S4
2600	+31.1 D4; +29.4 W3	2776	EA 39.3: Orb. Cesco, Sahade
2601	+44.7 V7; +41.5 W5	2778	+38.8 V7; +39.5 Y4; +39.0 L3
2602	P324	2780	-4.4 D5; -8.9v W5
2603	+16.8 V6; +17.0 L3; +20.2 W4	2789	+24.4 Y5; -26.4 O5; +16 L4
2605	+39.1 L9; +37.8 V4; +39.4 B3; +38.1 W3	2791	+41.3 V13; +40.5 Y7; +35.0 L2
2606	-35.4 D7; -39.3 W4	2792	+35.9 D4; +33.1 W2
2607	+37.7 L5; +37.8 V4; +40.7 B3; +40.2 C3; +40.8 W2	2800	+19.7 V4; +19.8 L3; +15.6 Y3
2609	Also (+42.6) O68 Orb. Plaskett	2803	Sp G2-KGe
2611	+12.3 S10; +24.1 L6	2810	SR 168
2612	-36 W2; -35 BMI	2819	+22.7 VS; +22.9 W3
2613	+38.5 L5; +20.2 Y4; +35.9 V2	2820	-23 W3; -1 LI
2620	+33.2 W2; +37 LI	2832	Sp F8-K0
2621	P373	2833	~24.3 L3; -20.9 W4
2624	+34.4 W2; +34 LI	2837	+25.0 L7; +23.1 C6; +23.1 S10; +24.8 B6; +23.3 VI
2633	+33.4 V12; +27.1 W5; +26.2 S4; +20.7 Y3	2842	+41.0 W2; +41 LI
2640	+38.8 V31; +37.7 Y7; +32.8 W2	2840	+20 L5; +16 Y3; +31 V2
2643	+38.4 V6; +36.1 W4; f4L1 L3	2851	+26.2 WS; +25.8 VI
2844	+38.2 V6; +39.0 L3; +37.9 W3; +37.2 Y3	2858	+38.7 V18; +35 Y4; +28 A4; +35 W1
2046	-1.6 L10; -0.7 V8; -0.6 W8; IS +4.4 V8; +0.6 W5; +3 L3		
2647	-7 Y17; +19 Y3; -10 LI: IS -3.8 V; -0.8 W8		
2054	+38.9 V5; +3S.0 W4; +26.7 S4		

2859	Orb. Baker; also +31 L10; +24.6 Y5; +32 W4; IS +22.3 We; +24.1 W4	3057	+39.5 V2; +41.3 W2
2865	+5.7 Y85; +7.0 V7; +3.3 L6; +15.9 W4: IS -5.8 Y; -6.0 V; -8.6 W5; -4 L3	3059	+2.2 L5; +3.7 Y4; -2.3 O3: IS W2
2867	P170	3062	+8.4 L6; +8.9 V5: IS L5
2871	-16.7 L3; -15.0 W2	3063	+34.0 W6; +30.3 V3
2874	-7.1 L3; -5.7 W3	3071	Orb. Popper
2878	P400	3074	-5.4 D7; -5.3 V3
2879	-8.1 L7; -10 Y6; -7 VI	3076	-5.6 L3; -7.0 W3
2883	-7.9 L5; -11.4 W2	3077	Orb. Struve
2884	+3.5 V6; -0.7 W4	3080	Sp G0-G2
2892	+241 Md4; +225 W1	3089	+20 L6; +34 Y4
2896	Orb. Lee: IS We	3090	+26 L4; +17.2 V2
2900	0 L4; +32 Y4; -20 V2	3094	+27.7 L8; +28.6 Y5
2901	+31.0 S4; +41.2 W2	3099	+26.8 L6; +3 Y3
2903	+4 L5; +22 Y4; +17.0 W3; +6.3 VI	3104	Sp G0-K
2908	Vel. from Fell and X4481; H lines have emis- sion wings; Ca+ gives -29	3110	+20.4 We59 (+17.7 159, +22.0 H59, +21.6 He46); +22.6 0275 Orb. Plaskett; +21.0 W21; +21.0 Y19; +17.9 Pml6; +21.9 S7; +24.0 Mi6; +17.5 L5; +19.7 Pr2: IS Well
2917	-3.1 V6; -11.4 W2: IS V	3111	Also +22.2 W23; +16.9 S11
2919	-12.1 V6; -5.3 W3	3115	+290 L2; +295 Lwl
2922	+1.1 L5; +1.6 B3; +2.8 VI	3116	-9v D4; -4v W3
2923	+17.5 L8; +19.3 B3; +17.7 W3; +14.1 VI; +19.0 Y1	3123	Irr: +58.6 W11; +59.0 V9; +60.2 L6; +57.8 Y1: IS +13.0 We; +14.9 W; +12.8 V; +5 L2; +5 Y1
2935	IS +3.8 V4; +3.2 W2	3126	P458,
2936	+6 L5; +0.6 VI	3127	-8.9 V9; -9.3 L3
2938	+14.0 L5; +5.9 VI	3133	+10.8 C14; +10.3 L6
2942	+14.2 W3; +19 LI	3139	Shell star
2943	P378	3145	Orb. based on W18, L5, B5, V2
2954	Orb. Struve	3146	Orb. Pearce
2957	P436	3147	Orbits +25.6 V35 (Harper); +25.1 L11 (Wyse)
2963	Sp G0-K0	3150	+21.5 Y13; +17.8 L5
2968	+20.1 W6; +31.0 L4; +35 Md3	3155	+66.6 L5; +66.0 V4; +64.3 B3; +64.8 W3
2969	-13.7 D6; -2.2 V3	3157	-5.9 D5; -5.3 W4
2970	Orb. Kuiper, Struve, Strömngren Y367, Pm26	3158	+28.4 V14; +27.7 L3; +31.6 Y3
2975	-1.6 L6; -1.7 B3	3167	+13.0 L4; +6.3 W3
2976	EA 972: Orbits +14.7 W47 (Christie); +10.7 V28 (Harper)	3168	+34.0 W3; +48 Md2
2977	+25.6 L8; +25.8 Y4	3171	-3.0 W7; -3.1 y5; -3.6 L3; -5.0 VI: IS W3
2978	+76 W2; +72 Md2	3179	+20.0 L6; +21.0 Y4; +22.9 W1: IS +2.4, +21.4 We
2985	+40.9 Y7; +46.2 L5; +40.1 V3	3180	+5.8 V7; -6.6 Mi7; +5.8 W2: IS +5.2 V; +3.0 W; +8.4, -7.6 We
2986	+27.8 L6; +27.0 C4	3183	P225: Em +54 L; +56 W
3003	+19.1 Y5; +15.8 L4; +12.4 82; +21.2 VI	3193	O40, V15
3C04	-13.2 W5; -10.6 Y4; -7.7 L3	3195	+2.4 W4; +2.7 Y3; +13 L2: IS We
3010	+11.0 L6; +8.2 C3	3196	+29.7 L6; +29.2 W3
3014	P367	3199	SR 350: A 3934A
3017	+15.4 W4; +27 L2	3205	+6.8 L6; +7.8 V4
3018	+8.3 D19; +8.8 O14; +6.2 Y8; +2.0 L5	3206	+21.0 V6; +32 W5: IS W
3021	+0.9 L6; +1.0 C5	3209	+7.5 V4; +16 LI
3023	P268	3211	+27.9 Y9; +27.3 O5; +28.9 W3: IS +12.8 W2; +23.5, -5.2 We
3027	-6.1 D4; -8.1 W3	3221	+3.0 L4; +5.6 C3
3020	Frost* Struve	3225	+17.6 L5; +18.8 Y3; +20.6 VI: IS +2L1 We; +13.8 Y
3031	+20.4 L3; +19.8 W3; +18.6 V2	3228	+9 L3; +10 VI
3032	Vel. from metallic lines; H and Ca+ lirtes give abs -5; em dbl -166, +125	3235	+22.4 W3; +21.1 VI
3036	+2.0 L4; +0.6 Y3; -7.3 V3	3236	+19.3 L7; +14.1 Y3
3037	+2.3 W4; -4.7 V3	3237	-20.0 L3; -15.9 W3
3038	-22.6 W3; -25.5 LI	3240	+38.2 L3; +35.5 B3; +33.9 W3
3039	+22*1 V7; +28.1 W5: IS +9.0 V; +17 W1	3241	-18.4 L5; -17.0 W3
3041	Orb. Hill W59, V36; the mean of the W meas- ures is +16.8: 13 W28	3242	-14.9 W5; -19.0 D4
S043	+3.1 L4; +5.2 V6; +10.5 W5	3248	+20.0 L5; +21.2 C4; +ZIS W5
3046	-11 LS; -11.0 V4; +9.3 Y2	3247	Orbits +20 Sanford (A42, Y29, W17, VnlS); +19.5 Pogo (Y17, Dblo, W4): IS +14.4 W4; +7.2, +24.2 We
3052	+13.9 L3; +S.0 Y3; +7.4 V3	3249	+18.9 Y5; +19.9 V3; |-2) L6
3053	Orb. Joy, Sitterly	3250	IS +15.0 We; +10.8 V
3054	+9.9 LS; +8.1 C3; +10.0 W2		
3055	+33.3 S19; +40.8 L4; +39.2 V3; +3X4 A3; +42.2 Y3		

- 3251 +224 L4; +245 Lwl
3252 +18.7 L77; +14.4 Y15; +20.8 W8; +17.9 L6;
+18.7 F4
3255 P311
3257 +4.6 Mi20; +10.7 L8; +14.2 Y5
3263 P274
3272 Orb. Plaskett: IS +22.9, +5.1 We
3273 +14.5 V4; +18.0 L3; +37.5 Y3
3275 +31.0 L4; +31.5 W3
3276 +24.6 D6; +22.4 V3
3282 +14.7 D16; +8.0 O14; +15.8 L5; +19.2 Y4:
IS +20.1, +1.1 We; +21.0 Y
3285 +13.6 W4; +25 Y3
3286 Sp F8-G5
3287 -22.0 D4; -22.5 W3
3288 +62.5 L6; +61.1 Wcl
3297 +10.7 L7; +8.4 C3
3299 +27.8 D5; +20 V3
3302 +9.0 D4; +7.2 W2
3303 -13.8 L19; -14.3 C14; -12.6 Y6; -13.0 Lw3
3305 +14.7 L3; +15 Y3; +22 V1
3307 IS +3.4 V; +3.9 We; -1.6 W2
3309 +13.5 D6; +11.0 W4; +12.6 S4
3311 P416
3314 +546.2 W5; +524 Md2
3322 +7.9 L5; +6.7 W4
3325 +14.5 D4; +15.4 W3
3327 +9.6 W5; +15.1 V4
3331 -15.6 D7; -6.6 V3
3334 +12.9 V6; +9.0 L6: IS V4
3336 +14.8 L5; +26.1 Y3; +27.2 V2
3340 SB (72)
3342 +19.3 Y3; +21.6 W3
3343 +15.5 L6; +18.7 V4
3345 Orb. Struve
3354 +22.3 L4; +23.1 V2
3356 +12.8v V6; +23.5 Y1
3359 -5.5 C12; -3.8 L9
3361 A 4134AB: Orbits +12.4' Y140 (Luyten, Struve,
Morgan); +20.1 Mi74 (Curtiss); +11.8 Md48
(Pismis, Haro, Struve); +22.8 Pm42 (Hart-
mann); +15.2 A36 (Jordan); +21.2 Vnl7
(Hnatek): IS A +16.6 W4, +15.2 We; B +15.7
W4, +15.4 We; both +10.2 Md27
3362 A4134C: +26.5 V6; +15.8 W6: IS +22.3 V;
+17.1 We
3363 Orb. Young: IS +8.4 W8; +10.6, 0.0 We
3364 +16.6 L5; +20.2 Y3; +21.3 W1: IS +27.8,
+7.9 We
3368 +34.0 Y5; +34.5 L4; +34.5 V3: IS +24.3
Y; +28.8 V; +20.0, +B.0 W; +23.9, +10.8
We
3369 +30.6 D5; +37.2 V2
3373 +24.3 C10; +24.5 W; +22.3 V2
3377 +47.4 V6; +46.5 L4; +0.4 Y1: IS +21.0 V5;
+26.3 Y1; +19.4 W1; +18.0 We
3380 EB 149: Orbits +20.8 A70 (Daniel); +23.6
Md70 (Struve, Luyten): IS +WJ A; +18.4
Md; +25.6, +9.3 We
3381 +19.7 V4; +15.3 Y3; +19.5 W3: IS +8.9 Y;
+11.9 Y
3386 -17 L7; +11 Y3; -11.0 Y2
3389 4 11.6 L6; +16.9 V5
3390 Orb. Struve: Also +32.9 W4; +20.2 LI: IS
*16.2 V39; +15.9 W4; +21.7, +12.9, +2.6 We
3395 4 31.8 Y13; +38.1 V8; +30.9 L4; +37.4 W3:
IS +13.3 V17; +14.1 Y; +17.0 W4; +23.3,
*15.0f +5.6 We: A 41TOA
3396 +36.1 V8; +38.4 W5; +30.0 Y3: IS +18.1 V;
+16.7 W5; +21.3, +14.2, +6.9 We
3397 +21.9 L4; +23.2 W4; (+3.4) Y3
3400 +12.4 V6; +13.1 W3
3401 +29.7 L8; +30.9 Y4; +27.6 V3; +28.8 W3:
IS +27.8, +15 We; +30.8 V; +31 L2; +28 W2
3402 +27.6 L5; +30.4 Y5; +25.5 V4; +26.5 W4: IS
+25.2 W4; +14.6 Y; +6.2 V3; +27.6, +15 We
3408 -8.9 W2; -4 L2: IS W2
3410 +34.3 Md21; +31.9 Y8; +31.8 V4: IS +9.5
Md18; +16 W3; +20.9 We
3411 Crb. Struve, Titus: IS +22.0 Md12; +17 W2
3412 +23.5 Y23; +37.4 Md14; +21.8 V6: IS +20.7
V11; +20.3 Md9; +20.0 W7; +29.9, +18.5,
+2.5 We
3413 +32.4 Md18; +29.7 V6; +20.5 Y3: IS +23.0
Md17; +21.0 We; +15.6 W2
3414 +17.5 L57; +18.5 Y11; +17.4 PmlO
3418 Sp G5-K3
3419 IS +30.3 W2; +26.4, 0 We
3420 IS +25.9 V; +27.5 W4; +25.1, +2 We
3421 +46.2 Y3; +28.4 F3; 0 L2; +47 W1: IS +27.4
F; +23.4 W2; +27.9, +5.8 We
3422 Orbits +36.8 Y39 (Struve); +34.5 Md22 (MQnch):
IS +12.5 Y; +18.9 Md12; +13.1 V19; +21.2
W6; +23.0, 0 We
3423 +29.4 V4; +27.6 Y4: IS +11.2 V; +15.4 W1
3425 Orb. Plaskett: IS +29.9 V; +19.4 W8; +27.9,
+3.2 We: A 4193A
3428 IS +27.6 W2; +26.8, -0.5 We
3429 +26 L2; -19 W1: IS W2
3430 -6 L2; +6 W2: IS W2
3432 +0.4 W3; -4 L2: IS W3
3433 -12 L2; -9 W2: IS W2
3435 +36.8 V7; +48.5 W3: IS +31.4 V2; +27.3 We
3440 +7.4 L66 (Applegate); +5.3 C44 (Lunt)
3441 -8.7 L5; -8.4 W3
3443 -7 L3; -23.2 W3: IS +8.4 W3; +10 LI
3444 -12 L2; -3 W1: IS W1
3452 +9.0 L7; +36.7 D5
3453 +25.5 V4; +36 W1
3454 +25.0 L73; +25.6 Mi3G; +28.8 Y18; +25.3 W5;
+27.2 F4: IS +18.5 V35; +23.7 Y; +18.3 Mi;
+18.5 W12; +19.2 F4; +20 L3; +25.0, +9.1,
-0.3 We
3458 +57.4 L6; +55.9 C4
3461 +99.3 L6; +98.4 C4; +99.4 B3; +99.2 W3; +97.8
VI
3402 +40.7 L3; +43.1 Y3; +37.6 V2
3463 -118.8 S4; -106v W4
3468 Shell star: Orbits +29.8 M1161 (Losfa); +19.9
YPhOO (Hynek, Struve); +16.4 Y24 (Adams)?
Also +27 W7: 13 +22.9 M74; +19.0 YPn;
+19.8 W7; +16.4 We
3469 +20.4 V8; +16.2 W4
3470 +29.8 V4; +24.1 W1
3471 +20.8 V6; +28.4 L5
3474 -2.5 V6; +0.8 L3; +3.8 W3; +10.5 Y2
3475 P326
3477 +35.7 C11; +35.8 L10; +35.9 W1
3488 +28.2 D3§; +30.6 Y28; 4 10.7 O6; +11.5 L2;
+24.6 VI: IS +11.8 D; +15.2 Y; +18.3 V;
+12*3 W; +22.9, +1.0 We: A 4241AB
3492 +17vY5; -1 L5; -273 Y1
34§3 +21*8 Y74; +203 L2; +21.0 O2; +23.8 W1:
IS +23.7 Y; +25.4 Y44; +23.6 W1; +25.5 We
3494 Orb. Caimon: IS We
34§5 P4SS

3496	+56 L2; +22 W1	3717	+7.7 L7; +10.9 B3; +9.0 VI
3500	+1.7 W4; 0.0 V3	3718	-3.7 D3; -5.0 W3: A fourth D plate shows 2 spectra; possibly SB
3510	+38.5 L7; +21.1 Y6	3730	Orbits -18.2 Pk70 (Belopolsky); -18.1 A48 (Baker); -19.8 Pm39 (Ludendorff): -18.6 V7; -18.7 L5; -17 Md5
3515	+10 D6; +35.5 V3	3733	+0.9 L5; +C.8 W3; +3.4 VI
3517	+19.3 Mi20; +19.0 L12; +18.4 Y7; (+1.9) 02: IS +19.0 V22; +15.8 Y; +20.4, -3.0 W8,4; +21.1, -4.7 We: A 4263A	3734	+34.4 L6; +38.9 Y3; +23.5 V3; +47.0 W2
3518	IS +20.3, -4.8 W4,3; +22.0, -3.4 We	3735	+29.1 Y5; +29.3 L4; +30.1 V2; +31.2 W1: (+19.9) Vn4
3519	Orb. Plaskett, Harper: IS W1	3749	+17.9 L8; +15.7 C5
3520	+27.6 L7; +20.0 Y3; -12.2 Oil: IS We	3750	EA 4.01: Orb. Struve
3521	+25.5 L7; +29.0 W3	3751	P420
3527	P408	3752	Sp GOe-M1
3529	+5.9 L6; +9.7 W3	3753	EA 13.0: Two orbits by Struve, Md45, Md23
3541	+89.2 L3; +88.1 W3	3754	+8.0 W2; +29 L2: IS W2
3545	+19.0 V6; +19.5 W1: IS +17.3 V; +25.4 W	3758	+26 L3; -18 W2; +18 Md2: IS +14.6 W2; +8 Md2
3549	IS +8.4 V; +8.7 W1	3759	+16.3 W4; +10 L4: IS W4
3552	P406	3762	Orb. Struve
3558	+47.7 V5; +46.0 W3	3771	Sp F5-G5
3580	-7.5 V4; -3.8 Y3; -12.1 W3	3772	Orbits +43.3 Y150 (Bourgeois); +49.1 Y19 (Frost, Struve): Vel. of system is variable.
3562	-1 W3; -8 Md3	3779	+17 L2; +13 VI
3563	Sp F5-G5	3783	P171
3566	-9.2 W3; -11 Md2	3789	+17.1 L7; +4.8 Y4
3567	-9.2 L9; -11.4 C5	3799	+15.7 W51; +18.1 L7; +17.7 Y6; +20.6 Mi5; +13.1 04: IS +12.4 W34; +14.4, +29.6 We; +14.2 Y
3568	+7.0 S4; +9.0 W1	3804	+184.5 L5; +181.9 C3; +178.9 W3
3571	-30.4 W3; -37 VI	3809	+34.1 Y5; +59.5 L4; +100 VI: IS +16.7, -3.9 We
3577	+28.4 L3; +18.7 W1	3813	IS +13.2 V7; -2.8 W1
3581	+30.1 D4; +29.1 W3	3819	+92.8 L1C; +98.8 W3
3582	-25.4 D4; -24.7 W3	3821	Shell star. Shell vel. varies -40 to -60 with violet comp. -140.
3585	+21.7 D4; +19.4 W4	3822	-11.8 W3; -13.6 V2
3589	+6.6 W3; +11.3 Y3	3830	-19.8 D4; -18.6 L2
3591	+12.6 L5; +30.1 Y3; +21.3 V2	3835	-14.4 V4; -16.3 W3
3593	+16.5 W3; +8 VI	3838	+32 L8; +32 V3; (-21) Y1
3594	+27.7 L10; +29.3 V8; +28.1 Y7	3839	-5.2 L2; -9 VI
3597	P325	3841	+21.2 L5; +21.8 Y4; +16.1 W3
3602	+37.6 L5; +38.9 Y3; +51.8 W3; +46.3 VI	3842	+4.9 L6; +4.2 V4
3603	+18.4 Y9; +21.7 L8; +11.8 06; +24 W3: IS +16.8, -1.4 W7,3; +18.6, -1.4, +31.4 We	3845	+21.2 L5; +17.6 V4
3607	-19.5 L5; -17.8 B3; -21.6 VI	3851	Orb. Harper: IS +10.8 Y; +13.5 W; +15.7, +30.4 We
3610	+15.0 L4; +19.4 V6; +15.7 W3	3855	-4.6 L11; +38.2 W2: IS +7.0 L; +17.3 W4
3618	+13.4 S8; +22.0 L5; +26.7 Y5	3859	Sp G0-G8
3625	+29.6 D4; +23.5 W2	3862	+11.6 V5; +17.8 W2: +23 LI: IS +18.3 W3; +17.7 We
3626	+37.9 L4; +36.5 VI	3863	+19.8 W2; +28 LI: IS W2
3627	+44.7 V6; +46.7 W3	3868	SB (80)
3833	+9.9 L6; +10.9 B3; +6.0 VI	3872	+10.3 D4; +6.9 W3
3638	P327	3874	IS +6.4 V5; +6.7 W1; +20.7, +5.7, -27.2 We
3640	+17.0 L5; +14.4 C3	3875	+24.1 V7; +21.8 W3: IS +9.7 V5; +21 W1
3641	+17.4 L5; +23.4 Y5; +20.2 V2	3892	+8.0 V8; +6.6 L3; +3.8 W5
3642	+09.6 L8; +99.0 C6; +101.3 VI	3897	P163
3644	+89.1 L13; +89.2 C7; +95.5 W3	3900	0 W4; +6 Md2
3048	+10.3 L5; +11.3 W3	3901	P308
3654	-12.2 L5; -15.6 W4; -8.8 Y4; -7.9 V2	3904	+11.4 D5; +11.6 V4
3063	-15.5 V11; -14.1 L5; -12.6 B4; -10.8 S5	3907	+18.2 W3; +10 VI: Mag. not variable
3072	Orb. Pearce: IS +16.2 Y; +19 W1; +19.4 We	3810	-51.4 D4; -48.0 W2
3073	+31.5 L3; +28 VI	3912	SB: +6.9 V8; +28.0 IA; +45.2 Y4; IS +5.8 V; +11.2 Y; +15.4 We
3670	Orb. Spencer Jones +21.0 C141, +20.8 L8§, Pr5 ₉ , +21.0 W106; also +20.3 W44 (Sanford); +21,3 (Bottlinger)	3919	+28.5 14; +28.2 Y4; +30.3 V2
3681	-32.5 L5; -34.8 We	3921	+12*4 L5; +27.0 W2: IS W2
3883	-21.6 W12; -2G Wc3: 272 lines measured on We plates: P373	\$925	+6.7 D4; -5 Md2
3684	EA 5,20: Orb. Struve	3027	+43 L2; +40 VI
8687	-1.6 W3; -2.5 V2	8928	Sp F5-G2
3893	*24.7 L5; +25.8 C3		
889S	+60.7 L5; 4 57.7 C3		
S696	+1.7 W9; -2.7 V5: IS W9		
57C2	-0.6 L8; -3.4 C8		
3712	IS +7.2 Y; +12.1 We		

3932	+12.7 V6; +10.4 W3	4130	Em +19 c
3940	Orbits +17.6 Mil44 (McLaughlin, Van Dyck); +18.2 (Christie L11, C3, B4, W4, V2)	4137	+22.4 Mill; +28.8 W10; +18.8 L7; +8.9 Y3: IS W: A 5107A
3943	+36.1 L3; +33.6 V8; +35.5 W3	4138	+17.2 L3; +33.8 Y1; +7 W1
3945	+20.5 L6; +20.4 B3; +20.5 W3; +19.6 V3	4140	+35.7 W3; +40.0 VI
3947	+5.3 V5; +7.4 W2	4148	SB (60): +8.5 L8; -25.3 VI: Emission susisected
3948	+34.4 V7; +40.2 W3: IS V	4152	SB (180)
3949	-5.2 L5; -2.6 W3	4155	Shell star: Vel. from metallic lines: V85, Md6O, W24: Velocities from different lines of the same element, as well as velocities from lines of different elements, vary: IS +22.7 Wcl7; +18.5 W6; +17 Md52
3951	+10.1 Y7; +29.0 L4; +29.5 W3	4160	IS +22.7 V; +23.2 W2
3953	+21.2 Y4; +12.6 W4; +12.0 L3	4163	SB
3962	+10.3 L2; +13.9 W3	4167	SB: +10.0 L10; +45.3 V3: IS +9.1 L; +28.0 W2
3964	-15.6 V3; -22.1 Y1; (+14) Vn2	4173	SB: +17.1 L11; -2 W4; +27 VI: IS +7.4 L; +25.1 W4
3965	+33 L7; +73 Y1	4174	-5.6 V6; -29 Y5; +0.7 L3
3969	+8.5 L3; +9.6 B4; +7.2 W3	4175	+16.9 L5; +19.7 C4; +10.8 W2
3976	+12.6 L4; +11.8 Y3; +14.2 V2	4178	Orb. Slocum
3979	+10.7 V3; +13.3 W3	4180	+28.4 L11; +38.9 V6; +37.8 W3: IS +26.6 L; +17.5 V2; +23.4 W4
3981	+24.5 L5; +24.0 C3	4181	+35.9 V7; +37.1 W4: IS +24.0 V; +22.2 W
3986	-3.8 L5; -5.7 Y5; -2.2 W5; +0.3 V2	4182	+35 L3; +32.6 W2: IS W2
3987	-46.0 V5; ^53.4 W3	4183	IS +16.5 W1; +24 L1
3989	+12.2 D5; +7.4 V5	4184	-3 V5; +7.1 W3
3994	-7.5 L4; -8.0 C3; -9.2 W2	4185	-0.5 V6; -0.3 W3
3997	+41.0 V6; +39.7 W2	4189	+35.1 W2; +32 L2: IS +14.4 W2; +12 L1
4000	+16.5 L3; +30.4 Y3: IS Y	4191	+42.2 V5; +42 L3; +48.8 W2: IS +16.0 V; +22.6 W3
4007	+47.0 D5; +38.3 83	4192	+22.7 L11; +33.7 W2: IS -1.4 L4; +25.6 W2
4015	+33.8 D5; +35.0 W4	4194	+21.5 W3; +20 L3
4016	+18 L5; +54 Y4; +32 V2; +7 W2: SB: IS W2	4195	+28.7 L6; +28.1 Y5; +11.2 012
4017	+46.6 L4; +47.5 C3; +48.3 W3	4199	+24.8 V5; +26.8 W3
4018	+8.2 V5; +3.2 W2	4200	+12.0 S18; +11.6 L6; +12.6 Y6; +15.0 W5; +14.7 "VI: IS W5
4019	-22.0 V3; -32 W1	4209	+15 L2; +14 VI
4030	Colacevich	4212	+38.8 L6; +39.6 C3
4032	+37.0 W4; +34.8 L3	4213	Sahade, Dessy
4033	Sp F8-K5	4216	+38.2 L6; +37 Md2: IS +35.4 L; +19 Md2
4037	+16 L6; +36 Y3; +10 W1: IS W1	4220	+18.3 V9; +20.5 L4; +43.3 Y4
4041	Sp F2-G0	4227	+5.0 D4; +5.6 W2
4043	+55.3 L7; +50.0 Wcl	4235	SB (60)
4044	+18.2 D5; +23.2 W4	4237	+19.6 V9; +11.3 L7; +19.8 Y4
4046	+54.4 L6; +56.7 B6; +57.0 C3; +56.0 VI	4239	+30.1 L4; +35.2 C3
4047	P334	4240	Orb. Sanford: Sp F6-G5
4048	P353	4244	+38.7 D4; +40.0 W4
4050	-2.3 L26 (Wilson, Huffer); -2.6 L26, C12 (Spencer Jones)	4249	-13.9 W3; -14.4 VI
4051	Meyer, Struve mean: Earlier results +34.2 L175 Crb. Henroteau; +26.7 0152; +31.0 Md28; +33.0 Y7	4250	+35.3 L5; +26.2 Y3
4053	+20.0 L8; +20.0 D8: SB (135): IS +22 L; +4 D4	4254	+14 W6; +16.0 L3
4057	P320	4255	-45.9 W3; -46.9 VI
4058	+4 L17; +13.8 V4	4256	+30.5 V5; +27.8 W2
4059	SB (200)	4263	+42.3 V6; +43.5 W2: IS +15.2 V5; +19.4 W
4062	+17.3 Y30; +15.3 L8; +6.2 V3	4269	+30.6 Y5; +23.6 L3
4068	+8.9 D5; +6 W4	4278	-23.6 D4*; -21.1 W3
4072	-26.1 L5; -25.9 C3	4277	Orbits +24 Md73 (Struve); +23.9 V30 (Plaskett): IS +16.0 V28; +16.0 Md; +17.9 W3; +22.0, +7.9 We
4079	Orb. Harper	4280	-12.3 016 Orb, Harper; -14.5 L11; -12.5 Y5; -12.2 C3
4081	-2.0 L3; -4.6 W3	4291	+5.4 L5; +14*6 Y4
4085	Orb. Sanford: Sp G4-G9	4297	+16.9 L4; +16.9 V6; +16.8 W3
4087	+19 L3; +13 W2	4302	*7?.S L4; +80.7 C3
4091	+20.7 L74; +19.7 C40	4304	+57.7 V7, +61.0 W2: IS +16.1 V3; +18.1 W2
4098	Vei. based on em only	4309	P438
4100	Sp cG2e-M3	4313	RW
4108	IS +20.5 V; +15.0 W2	4327	+23 L8; +38 VI: IS -3.8 L; +30 V
4112	+33.3 L4; +33.4 V8; +29.8 W3		
4114	+53.1 V6; +51.6 W2		
4119	Orbits +21.4 L22 {Duncan}; +20.0 Mi30 (Kieas): Sp F1-G5		
4121	+24.8 D23; +23.8 L9; +24.3 Y3; +15.9 03		
4126	-6.8 D4; -6.9 S4		
4128	+7.4 L5; +12.1 C3		

4333	-6.5 D4; -3.8 W3	4554	-8.2 V6; -22 L4; -6.4 Y1
4334	+34.3 V9; +31.7 Y5; +32.8 L4: IS +16.2 V8; +15.1 W8; +21.4, +7.7 We: NGC 2264-60: A 5322A	4557	P230
4341	+18.7 V4; +21.6 W1: IS V	4565	P156
4348	+23.3 V6; +23.3 L3: IS W: NGC 2264-98	4575	+23.2 V6; +27.1 W5
4352	+30.8 V8; +32.2 W1: IS +15.5 V; +17.0 W; +17.7 We	4578	-15.8 D4; -17.1 W3
4353	-75.8 L3; -69.3 D4; -71.2 W3	4580	+6.4 S4; +3.8 W3
4354	+34.7 Y3; -26v L2; +25v V2	4587	+17.4 D4; +17.8 W2
4355	+0.3 L5; +1.9 C3; +2.4 W2	4590	+26.6 Y7; +28.3 L6; +27.7 C4; +26.9 W1: IS W2
4361	SB: -6.1 L8; +30v W7: IS -2.5 L; +20.2 W4	4594	P379
4365	P441	4596	+21.4 V5; +22.7 W3
4372	+9.6 L7; +13.1 Cs9; +9.4 B4; +11.2 C3; +11.2 VI	4602	+2.9 V4; +14 W1: IS +23.2 V2; +17.9 W1
4374	IS +19.8 V4; +19.0 W3; +19.5 We	4605	IS +34.5 W2; +32.2 We
4376	+13.0 L6; +17.0 B3	4609	+23.4 W4; +18 Mi2
4379	+15.1 V6; +16.4 W1	4616	-8.2 W12; -8.1 L4; -8.4 B3; -9.7 SI
4381	-1.3 Y14; -5.9 W4; -16.4 V4; +7.0 L3	4617	-13.1 D5; -11.6 W2
4389	+26.8 B8; +24.3 L6; +13.6 O5; +25.2 Vn3; +28.2 V2	4618	+21.8 L8; +9.3 D6: IS D3
4390	+18.7 L3; +18.9 V6; +19.9 W1	4619	+1.6 L5; +6.3 C3; 0.0 W3
4392	-7.6 L101 Orb. Aitken; -7.8 C36; -7.9 Y10; -7.7 W4	4621	+6.4 L6; +3.2 C3
4394	-23.9 L3; -24.3 V3; -24.0 W3	4622	+36.9 D4; +34.0 W3
4401	-19.2 L4; -17.3 Y3	4625	+21.8 L11; +21.1 C7
4405	-8.6 L3; -10.0 V6; +0.9 W3	4630	+20.3 W3; +24.5 VI
4406	P264	4631	SB (40) 2-sp
4416	+17.3 W3; +13.7 L3; +21.1 Y3	4632	+25.2 Y7; +22.8 L6; +12.8 O2
4423	+24.4 L5; +22.0 C4; +29.8 W4	4635	+20.5 L3; +21.2 V6
4424	+10.7 L7; +15.0 B3	4636	+48.4 L13; +49.6 Y8; +45.2 W3: IS +22.7 We; +7.4 W2
4427	-3.8 L8; -5.8 C4	4639	Orb. Campbell
4429	+7.4 D35; -3.3 Y6; -3.0 V3; +7.0 O3	4640	Shell star: L5: Vel. variable
4430	+70 L2; +74 VI	4641	+34.0 Y5; +27.6 L4
4437	+41.1 L5; -13.8 Y3; +42 W1	4649	+24 W7; +11.1 V4: IS +14.8 V; +26.0 W3
4439	Gaposchkin	4658	+4.6 W3; +3.3 V2
4443	+60.6 L3; +61.7 W3	4659	+48.7 D4; +44.2 W3
4456	-26.1 V9; -17.8 L4; -1.0 Y4; -23.2 O2: IS Y	4662	+36.2 L6; +39.9 W4
4460	+31.3 L6; +41.0 Y4; +30.0 VI	4675	P366
4461	+13.1 L3; +13.7 V5; +11.7 W3	4676	+33.7 L6; +29 W1: IS W1
4462	Spencer Jones L31, C26	4678	+34.4 L5; +25.1 Y3
4466	Wilson, Buffer	4679	P370: Em W18
4472	+53 L8; +76 W5: IS +50.0 L; +38.5 W	4681	EA 1.88: Orb. Struve
4479	+0.1 D6; +4.2, V4	4691	+2.2 V6; +1.8 W3
4480	+19.1 Vn5; +14 L5; +31.3 Y4; +17.4 V2	4696	-18.1 V6; -15.2 W3
4481	+2.7 S4; -2.1 W3	4701	P338
4482	+17 W6; -12 D5	4702	Orb. Struve
4503	+22.1 O53; +29.6 L13; +25.2 YS: IS We	4704	+35 L46; +33.2 C20
4506	+41.1 W3; +21 MW2	4708	+52v W5; -25 Adi
4507	-8.5 V2; -7.1 W3	4711	+56.7 L6; +63.0 V6; +31 W1: IS +34 L6; +31.4 V3; +21.0 W2; +25.9 We
4508	+3.5 All; +11.3 V6; +9.6 W6; +8.3 L4; -3.1 Pk3: AH velocities from Ca+	4718	+79.3 C4; +78.5 L3
4512	Orb. Struve	4723	+22.1 L5; +23.9 B3; +21.2 VI
4514	+21.0 L4; +28? W3; +13.7 V2	4733	+36 L5; +23 W4
4510	+96.5 L6; +98.4 C5; +99.4 W3	4734	+16.5 L5; +11 V3
4517	-7.3 L8; -10.9 Y4; -8.8 VI	4738	+2.7 L8; +3.1 C6
4521	+36.8 L5; +36*0 C4; +33-7 W1	4740	+13.9 Y9; +14.2 L5; +24.0 V3
4523	+13.4 V7; +11.6 W2	4741	+13.3 Y6; +10.6 W4
4526	+11.8 YMd45 Orb. Sahade, Cesco; +15.8 L6; +13.9 W5	4744	-49.3 W3; -55.2 VI
4530	-25.4 W18 app. Orb, Sanford; -29.4 L5	4751	P377
4534	P493	4757	-10.0 L5; -7.9 B5; -7.8 W3
4535	-53.9 D4; -53.2 W3	47S4	-1.4 L4; -0.6 C3
45S8	+8.6 L10; +10.1 V2	4770	+23.9 L3; +23*0 V2
4539	+4G.0 D4; +40.3 W2	4777	+28.8 V6; +51.8 W2
4548	-10.1 D4; -10.0 W3	4782	P140
4551	+20.8 C7; +49.3 L5	4783	+33.7 L6; +31.9 V5; +50.9 W1: IS +30.2 V; +38 L4; +27.1 W1; +25.8 We
4553	+40.6 L4; +41.8 Y4; IS +31.0 Y; +32.6f +18.9 Wo	4784	+84.6 W8; +85.4 VI
		4786	SB: P unknown; Struve Y219s L10 from l807 to 1948
		4791	+29.5 L15; +20.8 Y6: IS We

4793	+22.2 W3; +24.0 V2	4993	-15.4 L5; -15.3 VI
4795	-6.6 D4; -10.4 W2	4995	-9.6 W4; -1 Md3
4801	+57.0 W3; +63 L3	5000	Neubauer, Roosen-Raad
4803	Neubauer, Roosen-Raad	5001	+88.5 C34 (Lunt); +87.3 L18 (Wilson)
4804	+22.6 D4; +21.5 S3	5002	+36.9 L8; +36.0 Y3; +31.3 W2
4807	+4.5 L4; +31.6 Y1	5005	Orb. Sanford: Sp G5-K2
4814	+40.6 L7; +44.2 W3	5006	+9.9 L5; +11.8 C3
4815	-19.9 V6; -6.0 Y6; -8.2 L4	5011	+1v W9; +1 Md2
4821	P393	5019	+32.3 V6; +26.7 Y5; +24.9 L3
4824	-12.0 V8; -9.0 L6; +0.3 W6; -21 Vn7; -14.6 Y4; -10.2 D4	5025	P333
4825	+15.5 L10; +16.1 C7	5026	P512
4837	Orb. Sanford	5031	Orb. Struve
4840	Orb. Pearce 026, V5: IS +29.5 VI; +30.6 W1; +26.3 We	5032	Sp F5-K2
4843	Orb. Struve, Pogo: IS +28.4 W; +26.9 V; +25.9 We	5033	+12 L5; +9 Y4; +17 V4
4844	+43 L2; +54 W1: IS W1	5035	+21.4 L7; +23.9 W1
4846	+23.9 D4; +25.7 W2	5039	P319
4847	+29 L2; +23 VI	5042, 5043	Center of gravity +3.0: Original orbits by H. D. Curtis
4848	+33.1 L6; +31.3 W3	5044	EA 0.81: Sp dKS+dK8: Orbits +4.3 W35 (Sanford); 0 Md32 (Struve, Herbig, Horak)
4851	+22.6 L6; +21.7 C3	5045	+27.0 L5; +8.3 C4; +40.0 W5: HD K5+B
4852	+21.3 S4; +22.7 W3	5046	+32.0 D5; +35.1 W3
4853	+24 L3; +34 W1: IS W	5048	+80.9 L9; +61.2 C3; +61.2 W3
4854	+2.0 L7; +3.0 V3; (-30) Vn5	5050	-5.2 V6; -6.0 L3
4856	Orbits -39.7 A49 (Jordan); -34.8 W22 (Sitterly); -42.5 Md42 (Struve, Smith)	5052	SB (95): IS W1
4857	+21.4 D6; +7.7 V3; -0.0 W3	5059	+2.2 W7; -1.3 V5
4864	-25.4 L3; -23.6 W3	5060	-20.0 L9; -17.9 E3; -19.3 C2
4870	Orb. Sahade, Cesco	5075	+7.5 L10; +28.1 V6: IS +13.1 V6; +13.7 W5
4873	+4.7 V4; +4.6 W3	5079	+61.1 L5; +63.1 C4
4874	-2.0 V4; +14.5 W3	5081	+14 L4; +20 W1
4879	+9.5 V6; +9.4 W1	5082	+46.0 L6; +45.2 C4
4883	+4.8 L3; +3.5 V6	5090	+7.6 L5; +5.9-W3; +5.3 V2
4889	+21.9 V6; +29.6 W1: IS +21.0 V; +17.7 W2	5098	+27.2 L5; +29.7 W3
4894	+25.6 L9; +32.1 Y3	5099	-3.8 C119 Orb. Spencer Jones; -3.2 L114; -3.4 S8; -4.2 V7; -2.8 W9; -3.8 M10; -2.8 Pr13; -3.3 B11; -4.9 Y7; -2.9 F2
4898	P275	5101	+18.2 D5; +31.4 S4; +25.9 W3
4900	+6.4 L6; +4.2 W2	5104	+47.1 D4; +47.2 W3
4903	-35.4 V5; -33.1 W3	5117	-9.1 L4; +2.0 C3; -3.0 W4
4905	+22.7 L3; +22.4 W3; +4.7 VI	5120	P411
4906	+12.5 L3; +11.2 V5; +24.0 W3	5121	+4.1 V8; +5.0 L7; +18.9 Y6
4909	+18.0 D4; +20.3 W3	5123	+11.3 L5; +9.4 C3
4914	+45.9 L5; +51.1 C3	5127	-15.6 W3; -17.5 VI
4922	+39.4 L10; +42.0 Y6; +49.8 W2: IS +21.4 W2; +16.4, +31.0 We	5128	Orb. Struve
4923	+1.6 Y9; +6.3 W4; -7 L3; -12 VI	5135	P293
4924	-3.8 L10; -5.9 W5: IS +15.2 W2; +19.5 We	5137	+9.2 V5; -4.5 L2; +3.8 Y1
4927	+8.0 L5; +11.2 O3; +8.4 B3; +6.4 W4	5145	+2.9 V6; +1.8 L3; +4.5 W3
4932	+18.6 L4; +21.8 C3	5149	+20.4 L6; +22.6 B6; +21.0 C3; +21.9 Cs5; +18.2 VI
4935	-5.9 L7; -11.4 B3; -12.4 W2	5151	+31.7 L5; +34.4 C3
4936	+25.9 L10; +27.0 Y9; +25.6 A4; +24.1 VI	5155	Orb. Neubauer, Johnson: IS W5
4946	+42.2 V4; +51.1 W3	5102	+52.4 L3; +54.3 C3
4948	+14.4 WS; -0.2 S4	5166	+3.3 C65; +4.3 Pk20; +3.1 V16; +4.4 B15; +3.9 Y12; +3.6 L10; +2.6 C14; +1.9 Mi10; +4.7 W12; +7.2 S8; +1.6 Cm7; +5.3 CsS; +3.3 Lw3
4951	+28 Y7; +16 L4; +12 W1	5168	+48.7 L8; +46.7 C3
4952	Orbits +11.8 V31 (McKellar); +9.0 MdlS (Gapo-schkin)	5173	+77.7 V6; +82.0 L3; +84.7 W3
4953	+24.1 D8; +27.4 W1	5179	-36.0 L3; -30.4 W3
4954	+28 W3; +22 Md2	5177	+18.3 L8; +14.8 C4
4958	+56.1 D4; +54.7 W3	5178	+33 Y6; +27 V2; +31 LI
4963	+9.4 D5; +13.4 W3	5180	-5.5 L4; +5.6 Y4
4965	+16.4 L3; +18.8 Y4; +18.3 VS	518!	+101.8 W; +101.0 C3; +99.9 WS
4967	L13, W8, B3	5182	-12.5 LS; -9.5 W3; -13.0 V2
4973	-4.5 L5; -7.3 A4	5183	P120
4974	+32.3 D0; +34.1 V2	5193	+215 W5; +30.3 Y3
4976	.26.4 L3; -27.8 Y6; -27.9 W3	5197	Yei from H^ em only: IS We
4980	•27.8 AS; +42.8 W4; 441 L3; +33.3 Y3; •35.4 V!		

5202	P288	5452	Sp G5-K7
5206	-1.2 C13; -0.5 L7	5455	Orb. Struve
5207	+5.2 C4; -3 L4	5483	-8.3 L4; -6.7 C3
5209	+3.0 C22; +3.9 L7; -3.8 W3	5485	+3.4 D6; -4.0 S5
5226	+40.7 D4; +37.9 W2	5470	Orb. Herbig
5228	+27.7 V8; +41.1 Y5; +30.8 L4	5472	-28.8 V6; -28.4 W3
5230	Aitken: Vel. from Struve's observations and based on Aitken's orbit: Also -21.6 C3; -19.3 L2; -18.1 W3	5475	-14.3 W7; -19.6 Y6
5240	-242.7 W3; -235.1 Mdl	5478	+22.4 L5; +23.3 C3; +25.3 B3; +19.5 V2; +18.1 W4
5241	+28.8 L4; +27.0 C4	5477	Em measured on 9 plates: P361
5242	+11.7 YD; +6.3 W4; +5 VI; +1 LI	5487	HD G0+A3
5246	Vel. from Hel only	5501	-16.9 V5; -13.5 W3
5247	-33.3 W5; -60.6 D4	5506	+32.3 L3; +30.2 V3; +33.8 W3
5252	+14.0 C3; +11.3 L3; +8.9 V2	5508	-19.1 V6; -12.7 W3
5268	+12 L5; +17 Y4; +9 V2	5510	P529
5269	+18.8 V6; +24.8 W2	5519	P272
5272	+26.8 C3; +25.4 L3	5525	+24.3 L5; +27.5 B3; +22.2 V3
5276	-20.2 L10; +2.6 D7	5527	P240
5277	-35.1 D4; -35.2 W3	5548	+11.9 LI3; +11.1 C9; HD K0+B
5280	+14.3 L7; +12.2 C3; +12.2 W3	5555	+22.4 L4; +21.8 C3
5286	Orb. Chang	5557	+25.6 L4; +25.5 C3
5295	+46.8 L4; +44.0 W2	5559	+13.1 D4; +12.1 W3
5300	+50.2 L5; +51.7 C3	5560	+36.6 V5; +36.9 W3
5307	EB 1.45: Orb. Popper	5562	+6.5 L11; +15.9 Vn7; +18.8 Y5; +5.4 W4; +11.2 V2
5308	Orb. Struve: Also Sahade Cd: Sp A7p+dG2p	5565	+14.9 L6; +15.1 V5; +12.2 W4
5310	+10.2 L4; +11.6 C3	5566	+24.3 V5; +24.6 W4; +25.0 D4
5311	+0.4 Y6; +4.2 L4; +4 VI	5567	+15.5 V5; +13.2 W3
5312	-40.2 V5; -40.3 W4	5568	+17.8 W3; +17.7 V2
5313	-2.8.2 L4; -29.8 C3	5572	+28.1 L5; +26.7 Y5; +25.5 W3; +25.5 VI
5316	-6.8 V3; -3 W1: IS W2	5581	+27.0 L16; +28.8 C5
5317	-13 L5; -11 Y4	5585	-7.1 V6; +9.8 D6
5328	+18.2 D4; +22.2 W3	5590	+19.2 L4; +21.4 Cs6; +20.8 B4; +19.8 Vn3
5332	P316	5596	SR 255
5335	-13v S4; -18v W4; -19 VI	5606	-26 L3; -22.8 W3
5338	-8.7 S4; -9.0 W4; -9.7 V3	5610	Orb. Struve
5344	+71.2 L4; +72.3 B4; +72.1 W4; +68.4 V2	5617	+22.1 V5; +26.2 W3
5S50	-12.0 L6; -3.7 W3	5620	-13.1 Y5; -17.3 L3; -18.4 VI
5359	-20.0 L5; -28.5 Y5	5621	+69 Md3; +10 W1
5364	+11.6 L8; +20.1 W2	5622	+1.6 W3; -7 VI
5366	+41 Y5; +9 L3; +0.6 A3; +23.6 V3	5631	+1.6 D4; +1.3 W3
5368	+36.1 L5; +35.6 C3	5646	P305
5379	+19.7 C4; +16.7 L3	5648	Joy, Abetti
5382	+11 Y4; +4 L3; -4 V2	5861	EA 10.2: Orb. Struve
5394	+46.1 C27; +45.9 L12	56C0	-12.2 VS; -14.1 W3
5395	+3 W3; +6 L2	5869	+12.0 Y33; +7 L7; +21.0 W4
5397	-8.2 S4; -14.1 W3	5681	+14.7 L8; +13.9 V2
5309	+36.2 D4; +33.3 W3	5682	+20.2 L4; +17.1 C3
5400	+29.5 L8; +3G.2 V2	5883	+25.9 L4; +18.8 G1
9407	+14.8 Y10; +22.6 L5; +32.4 O4	5688	+18.1 L4; +23.8 C3
5412	+5.3 V5; +5.7 W4	5692	+30.8 W4; +2C.8 V2
5413	-44.9 V7; -39.8 W3	5695	+40.5 L4; +47.5 C3; +43.8 W3
5414	Orb. Sahade, Bessy: Em +28.1 Cd28	5697	-17.1 WS; -20.3 L2
5410	-9.1 L3; -9.5 W3	5703	+12.0 D5; +12v W4
5422	+23.6 O6; +20.2 V2	57C4	+33.0 VS; +3C.9 W3
5427	+36.3 L4; +36.2 W4	5705	P248
5430	-12.0 LS; -0.4 C3	5706	+32.0 V8; +33.1 W3
5432	-5.6 L4; -8.1 VI	5711	+33.4 Vif; +33.6 W4
5433	-8.1 W4; -14.8 V2; -12.0 Y2	5712	-37.5 V5; -34.€ D4; -38.1 WS
5434	4-15.0 C11; +18.0 L6	5713	+20.7v W8; +88.1 V4
5435	-10.4 D4; -9.7 V3	5717	-32.1 C4; -30.7 L3
5437	+14.8 L7; +12 W1: IS +11 LS; +23 W2	5718	-11.4 L5; -8.2 C3; -11.6 W2
5440	+8.3 D4; +7.4 W3	5720	+28.is' VS; +3fc.8 W3
5441	Nova Pup 1942: Era only	5724	-14.8 L^; -15.4 C3
5442	*18 V4; +22 W4	5730	+200 WS; +20B Md2
5443	-19.0 B3; -20.9 35; -18.4 W2	5738	+25.9 L8; +2S.2 C5
5450	+15.6 L5; +18.4 C3	5743	-1.8 L4; -3.4 W4

5751	+26.4 A7; +36.2 L5; +24.1 Y5; +29.8 V3	5966	+13.4 L3; +19.5 W3
5752	SB (51); -6.9 Pn5; -18.8 W3	5973	-12.6 L3; -14.2 W3
5754	+23.8 Y7; +28.0 O6; -0.7 O4; +7.4 V2; +16.6 W1	5975	+22.5 C8; +21.3 L6
5760	Prel. Orb. Joy	5976	+28.3 Y26 (Ichinohe); +21.1 Md84 (Struve); +25.3 V32 (Pearce, Riddle)
5762	+31.6 L5; +30.3 W3	5979	+1 V5; -20.9 W3
5765	+16.5 L10; +9.9 Y3; +11.8 W2; IS W1	5980	-1.0 L5; -0.1 A4; +2.2 Y4; -2.3 V2
5768	+17.1 L6; +18.7 B3; +16.9 V3	5983	+27.6 S4; +26.3 W3
5771	+25.5 Y7; +22v W4; +24.1 VI	5987	-1.8 L5; -2.4 B3; -0.1 W3
5774	-12.4 W3; -14.0 VI	5989	+18.4 L14; +18.2 C11
5775	-14.6 D4; +0.2 W4	5991	+23 Y5; +22 W4; +27 L3
5777	-1.9 L8; -3.1 C3	5993	-7.5 L17; -6.7 W4
5783	+16.7 B7; +15.2 L4; +18.1 C3; +17.4 W3; +15.0 V2; +19.1 S2	5999	-9 L32; -8.8 W2
5786	-8.0 CIS; -8 L13	6002	P392
5788	A 6993AB: Also +36.8 L34 (Aitken)	8007	SR 253: +12.8 Mi71; +18.3 D4; +10.5 W4
5790	+21.0 D4; +25.1 W3	6025	+16.4 A7; +26.6 W8; +22.6 Y5; +15.3 O5; +27.0 L3
5795	-0.3 W5; +15 Y4; -19 L3; +10 V3	6032	+4 Mi3; +1 W1
5801	+35.5 Y103; +19.9 L9; +33.6 A4; +13 V3	6036	-9v L7; +7v Y5; -23 V4
5809	+31.8 L5; +35.1 Y5	6037	-30.4 L3; -30.9 V5; -30.4 W3
5813	+4.4 V6; +4.1 W3	6039	+27.2 D5; +25.0 W3
5816	-9.3 L4; -5.5 C3	6041	-16.8 Y10; -16.2 V8; -7.6 W4; -17.5 L2
5824	+24.7 L8; +24.2 C4	6051	Spencer Jones
5826	+13.7 L6; +20.1 B3; +15.0 W3	6052	+9.5 Y4; +11.0 W3
5827	+13.7 D6; +12.2 W3	6058	-4.7 L7; -6.2 C4
5829	+58.9 D6; +54.5 W3	6061	+0.4 L3; -0.2 C3
5834	+33.6v W3; +37v V2; +41 O2	6063	-1.8 D5; -6.8 V3
5835	+9.1 D5; +8.3 W3	6064	+25.4 V6; +17.4 W5
5836	-31.3 D7; -31.1 W3	6066	+4 L11; +1 Y6; -1 V3; -0.2 Vn3
5840	-18v V6; -51 W1	6067	+12.9 C15; +13.2 L9
5843	+26.4 W7; +27.8 V3	6072	+32.4 L4; +31.8 C1
5850	P256	6076	-0.9 L4; -5.8 W3
5857	+29.2 W4; +20 Md3	6082	+37-9 L6; +39.4 B4; +38.5 V2
5858	+35.6 W3; +36.4 V3	6083	+25.5 L4; +22.1 W4
5860	-0.1 V6; +9.1 W3	6085	+21.0 D7; +23.0 W4
5862	+8 L4; -5 W5	6090	+16.9 D6; +16.8 V2
5865	+17.2 L3; +17.3 W3	6106	+58.3 L2; +57.8 W2
5866	+22.7 L6; +22.7 C6; +24.2 B3; +24.4 V3	6107	+17.2 L2; +17.3 W3
5872	P290	6109	-15.6 L3; -28* VI
5873	+25.4 D4; +25.4 W3	6116	+27.7 L6; +31.0 B4; +27.7 V2
5876	+59.5 V6; +56.1 W3	6123	-1.0 W3; 0 L2
5881	+6.7 V8; +1.2 Y6; +9 L3	6127	+13.8 W4; +8.5 V2
5885	-52 W2; -63 Mdl	6136	-4.4 C50; -3.9 L14; -2.5 B4; -13.3 OS; -6.1 VI
5886	+2 L5; -0.8 W3; -3.9 VI	6137	+53.8 L5; +52.7 C3; +52.3 W3
5887	-11.0 V5; +11.5 L2	6138	+37.9 V6; +39.4 W2
5899	-12.9 Y8; -13.6 L7; -17.5 A4; -8.3 W4; -15.2 VI	6139	+8.4 L2; +8.6 W2
5900	+13.1 Y8; +4.4 O8; +13.0 L6; +9.1 W5; +11.6 Vn3; +11.1 V2	6141	-4.5 Y19; -7.4 W3
5909	+20 W6; +40 Md2	6146	+0.7 L4; +5.3 C3
5910	+25 Mi2; +26 W1	6150	+21.4 C9; +24.0 L8
5914	+27.1 L8; +25.2 B4; +23.5 W5; +28.3 V3	6154	-8.1 L8; -7.7 W5; -8.8 Vn4; -22.0 V2
5918	+4.8 L4; +1.8 VI	6156	+1.4 V6; +2.0 W6
5935	-16.0 S11; -13.9 A7; -12.1 Y6; -21.8 L3; -17.4 VI	6162	+12.4 L4; +11.0 W3
5938	+28.0 D4; +26.4 W3	0104	+25.9 L6; +30.7 B3; +27.4 V3
5940	+10 Y4; +5.0 L3; -2.6 V2; -3 W1	6170	+28.9 L4; +31.7 W3
5942	-8.9 D4; +4.3 W4	6171	+18.6 L6; +20.8 V5; +14.4 W3
5945	-22 W5; »26 S3	8173	+6.2 L42; +5.3 Y5; +1.2 A5; +6.9 V!
5947	+4.7 L53; +9.4 C4	S175	+15.5 L7; +16.0 B9; +10.5 Pk6; +16.9 WS; +13.2 V2; (+1.3) Vn2
5948	+17.3 V5; +13.1 W3	6176	-13.9 L13; -14.2 C4
5950	-14.7v W6; +4.5v V4	6179	-27.5 L7; ~28»1 V2
5953	+24.2 L6; +24.6 C5	6181	Orb, Joy: Also (+19) Lit
5056	+9.5 D5; +5.6 WS; -6.1 V4	6182	-5.9 L5; -0.8 W3
5957	P20T	6183	-38.9 O4; -37.8 W3
5958	Orb. Struve	6184	-1.3 L4; +0.4 C3
5959	+25.7 L7; +26.0 V6; 417.8 W5	818?	Bp cF60-K2e
588G	+17.4 L4; +19.0 B3; +14.8 VI	6185	+13.1 L4; +13.5 C3
5961	+0.9 D6; +1.1 SS	6189	P309

3192	-11.4 L5; -10.1 B4; -13.9' V2	6347	-42.4 W7; -48.3 V5
6193	+23.7 Y5; +21.7 W5; +20.3 L3; +23.2 O3; +28.9 V2	8349	+5.4 W4; +1.3 V3
6125	-11.9 L5; -11.3 W3	8361	-17.4 V6; -21.1 W3
6201	+14.4 L2; +12.2 W3; +12.8 V2	8382	+22.9v V8; +24.9v Y5; -4 L3
62C3	P302	8386	-26.5 W3; -32.4 L2
62G8	-22.2 V8; -17.1 W3	8367	-12.4 W8; -14.2 V6
32G7	+285 W1; +339 Mdl	6389	+33.3 L3; +24.3 C1
62C8	Crb. Struve	6373	P273
6210	+20.4 Ló; +20 W3	6375	+23.2 L4; +24.0 V2
•3211	Crb. 3truve	6373	+55.1 W4; +56.5 VI
3213	+30.4 V3; +30.9 W3	6381	IS +4.4 V; +2.0 W2; +2.0 We
6215	-1.0 L5; +0.4 Y4; -5.8 W4; ,9.3 VI	6387	+32.2 W4; +27.0 V3
3213	+20.5 V7; +26.1 W3	8390	-2.4 V8; +4.0 W2
3221	+44.9 L4; +47.6 B3; +46.2 W3; +40.2 VI	6395	+23.8 L9; +37.4 Y6; +16.8 VI
ò22S	+3.1 L4; +3.2 C3	6403	+21.6 L5; +18.2 C3
6227	P326	6404	-12.1 L8; -20.8 Y4; -24.2 A4; -13.6 W3; -27.6 V2
6229	+24.3 L4; +20.2 C3; +26.6 B3; +25.5 W3	6405	+2.1 L10; +4.7 S29; +3.2 W11 ; +2.9 Y9; +1.7 V2
6233	+13.9 L7; +24.0 Y5; +13.3 W3	6409	SB (77): Sp A0-F4
3238	-S5v W4; -50 Md3	6412	+40.2 L5; +44.4 B4
623S	-17.4 L3; -18.5 W3	6414	+9.5 813; +4.5 Y8; +9.8 L5; +3.3 A4; +5.1 V2
6240	Plummer: HD F5+A3	6417	+1.2 Mi20; +3.1 Y7; +7.4 L5
6244	+28.7 L3; +32.4 W3	6426	-13.1 L3; -10.6 W2
6250	-8.4 D4; -8.2 W4	6428	+1.6 L4; -1.1 C3
6254	+32.3 L3; +34.7 C3; +33.8 W3	6431	P149
6255	EB 0.34: Orbits -50 Md47 (Struve, Korak); -43 W26 (Popper); -5 W10 (Adams, Joy)	8434	Spencer Jones C23, L16
6267	-32.5 V5; -25.2v W8	6435	+9.7 D5; +10.3 W3
626S	-31.9 L3; -37.0 W2	6436	-29.0 W3; -24.2 V2
6269	Em -1.5 W3; -8 Mi2: P372	6438	+22v W4; -6 V2
8271	P343	6440	-17.4 V8; -15.7 W3
8273	+7.7 L3; +9.4 W3	6452	+21.2v S4; -6.2 W3
6274	+4.5 L12; +5.9 Y14; +4.5 V16; +5.7 B9; +7.8 Cs5; +3.6 S5; +3.3 Cm4; +4.3 C3; +4.1 W3	6480	+16.8 V3; +17.3 S3; +14.9 W3
6276	-44.4 V6; -42.9 W3	6468	+14.9 V10; +16.6 W4; +18 L3; (+44) Y4
6277	+0.9 V8; +5.2 W3	6470	-12.0 V3; -6.1 W3
328C	+12.5v W5; +16.3 S4	6471	+28.8 V6; +31.0 W3
5282	Crbits +4.0 L60 (Wilson, Buffer); +4.1 L29 (Jacobsen)	6472	-31.3 W6; -37.4 V4
6287	-5.9 V6; -1.2 W3	6474	+10.0 V2; +10.2 W2
6288	P313: +13.0 Wc37; +28 Mi9; +10 LI; +18 Y1; Em 0.0 Wc47; 0.0 M9; -8 LI; -6.2 Y1	6475	+12.0 V2; +13.6 W2
6291	+5.5 L4; +4.2 V6; +4.6 D5	6478	-14.1 L6; -13.7 O4; -19.3 W3; -22.6 V2; (-54.0) Oi1
6292	Crb. Struve	6480	+17.5 L6; +19.7 Y6; +20.3 V2
6293	+13.8 L7; +12.9 CS	6482	-1.8 W3; -13.0 V2
6294	-18.1 W5; -15.3 Mdl	6483	+38.6 W4; +35.5 V2
6295	+10.4 L4; +10.9 C3	6485	+12.6 L5; +14.7 Y4; +20.2 W3
6299	+21v S12; +38 V4; +22v W3	6487	+8.1 L9; +10.3 C3
6302	+32.4 L8; +27.8 V3; +27.0 Vn2; (-7.0) O4	6490	-6.9 V6; -10.1 W5
6304	-33.4 W2; -33.9 L2	6500	+5.8 L5; +7.8 B3; +10.2 87; + 3.8 V4; +4.9 W3
6305	Popper, Shajn Y39, S31	6502	-36.0 L12; -36.6 MilO; -35.0 BIO; -39.6 Pk9; -32.3 Cs5; -36.7 C4; -36.6 W3; -35.4 V3; -39.8 Y2; -39.9 Cra2
6312	-12.7 L4; -12.8 Y4; -10.3 A5; -10.8 V2; -11.0 01	8503	-36.4 Pk16; -36.0 L3; -36.1 V4; -36.0 W3
6313	+3 W3; +9 L2	6505	+8.1 V5; +11.3 W3
8315	-2.1 V10 ; -L8 L5; -2.4 Y4	0506	+13.0 L7; +12.9 C3
631S	+11.3 V3; +14.0 W2	8508	-7.3 W4; +5.1 V3
6322	+95.8 W4; +98.7 V2	6512	+10.9 W6; -1.1 V5: IS +5.6 W9; +3.8 We
6324	Spencer Jones	6515	+8.8 V6; +7.3 W5
6325	+14.3 L5; +15.0 B4; +13.6 C3; +12.3 VI	6516	-7.1 W5; -7.2 VI
632S	+12 L6; +15.4 W4; -2 Y4; +12.3 Vi	6517	-22.9 L7; -13.9 B5; -20.5 W\$; -14.5 VI
6328	P234	6525	-12.7 W3; -26.9 VI
6331	-0.3 B4; +0.4 W2	6528	Scfalesinger
6334	+49.7 C7; +51.9 L5	8534	-22.0 V6; -24.2 W3
6338	-7 L4; -3.4 Y4; ~8.n VI	6537	+1.4 L3; +3.5 W2
6340	+55.9 C3; +46.6 L3; +43.1 W3	6545	-4.4 V3; +10.0 W3
8345	+6.8 VS; +8.6 W3	6550	+13.7 L6; +12.4 A4; +11.9 W3; +13.1 V2; (+24.8) S2
		0552	-6.6 C9; -1.3 L5

6553	+39.7 L4; +39.5 C3	6726	-1.2 L10; -0.3 C3
6562	+6.1 Mi10; +5.2 W3; +2.2 V2	6731	+15.6 D5; +15.6 W3
6563	+15.2 L6; +10.7 C3	6732	-13.8 D4; -20.2 W3
6565	-8.0 W4; -6.4 V3	6735	SR 532: Em Wc6
6566	+6.2 L6; +6.2 B4; +6.4 W4; -2.7 VI	6736	-12.8 V4; -4.1 W4
6567	-5.7 V3; -10.0 W3	6737	-6.6 V4; -0.1 W4
6568	+6 L5; +8.7 W3	6742	+15.8 W4; +12.7 D1
6572	+10.0 L11; +6.3 C3	6745	+16.2 L7; +17.1 B7; +18.2 W7; +13.6 VI
6575	-25.1 V6; -25.1 W3	6749	-5.8 W3; -0.5 L2
6576	+18 W3; -3 Md2	6750	P386
6578	+29.9 Y9; +14.3 L6; +4 W3	6752	-4.5 L6; -9.1 C3; +0.3 W3
6583	-3.0 V3; +8.2 W3	6756	+8.4 L9; +8.9 C3
6587	+9.6 L4; +7.0 V2	6759	+5.1 W6; +15.9 84
6588	+11.0 L6; +12.8 Y6; +11.6 V2	6763	+5.5 L5; +7.4 Y5; +6.1 W4; -3.2 V3
6592	+8v W7; +20v Y3	6784	-4v S5; +1.2v V3; -3.3 W2
6594	-10.9 D5; -14 W4	6765	-22.0 L4; -22.5 V6; -22.3 W4
6599	+34.0 V6; +34.6 W3	6767	+2.2 V6; -8.2 W5
6602	+43.2 065; +43.2 Mi53; +41.5 W11; +37.0 Y7; +37.6 L6; +44.0 V4; IS -10.1, +15.4 W10; -13.0, +16.4 We	6770	-55.7 V6; -52.4 W3
6605	+14.6 L8; -2.0 V3; +35 02	6787	-50.4 V5; -49.2 W4
6607	+18.5 Y5; +2.6 W3	6790	+13.0 L3; +11.7 W3; +11.0 V3
6609	+3.7 L3; +5.0 C3	6791	-22.7 W3; -33.2 VI
6610	+16.3 L5; +18.7 W3	6795	+47.6 L8; +46.2 C5; +46.0 W3
6613	-5.3 L3; -2.4 C3; -3.0 W2	6799	-6.4 V6; -8.9 W3
6614	-14.8 Y10; -9.8 V8; -13.0 L5; -9.2 W3	6803	+6.1 L10; +8.4 W3
6616	+4.7 L4; +4.7 W4	6806	-10.5 L8; -16.0 A4; -12.2 V3
6617	P263	6809	-11.4 L124; -15.5 Pm71 Orb. Guthnick, Prager; -12.5 V11; -10.6 Y10
6618	Orb. Mohler	6812	-13.1 L6; -15.0 W4
6624	+9.9 C12; +9.8 L4	6814	-5.1 S14; -11.4 Y6; -10.6 L4; -16.1 A4; -10.4 V2
6628	-12.7 L4; -10.6 C3	6818	-85.6 W9; -91 VI
6629	+18.4 C4; +14.8 L3	6818	-8.7 L22; -7.4 B5; -5.5 Cs5; -6.5 Pr4; -11.7 V3; -10.4 W3; -10.6 Y2
6630	-22.8 L9; -21.2 C3	6823	+6.5 W3; +4.9 V2
6632	-18.8 L9; -18.0 W1	6827	+6.1 L6; -3.6 38; +3.0 W4; +4.1 VI
6633	HD F2+A3	6831	+67.0 W4; +60 Md2
6635	Vel. from curve by Gaposchkin	6838	-7.4 W4; -13.3 S3
6636	-6.9 L4; -6.4 B5; -6.8 W7; -11.8 VI	6845	+5.2 L4; -5.1 W2
6637	+45.4 V6; +45.2 W4	6846	Heard gives no sign for his VQ. Moore and Neu- bauer in the Fifth Catalogue of Spectroscopic Binaries give +2.9. The diagram shows that it must be -2.9: Also (-9) V5; (+8) W4
6639	+16.2 L10 app. Orb. Christie; +22.2 C3; +18.7 W4	6855	+5.5 C15; +8.4 L10
6641	+4.3v W11; +15.6 V2	6861	-4.2 L7; -2.4 B4; -0.5 Cs6; -6.0 VI
6645	+20.7 L8; +17.3 C3	6865	P189
6648	+5.9 D8; -9 W8	6873	-118 Md2; -22 W1
6650	+32 Md2; -25 W2	6876	+3.2 D5; +7.5 V3
6651	+6.0 V6; +3.8 W3	6885	EA 6.95: Orbits +10.0 Md43 (Sahade , Cesco); +11.4 W16 (Sanford)
6654	-8.8 L5; -17.1 W4	6887	+44.2 V6; +44.9 W3
6658	+14.3 V6; +17.0 W4	6889	+1.9 V8; +11 L5; +2 Y5
6660	-0.6 L4; +2.6 W2	6891	+15.8 V5; +19.5 W3
6670	+1.4 L3; +6.1 W5; +L3 V2	6892	-25.0 Mi20; -17.9 VII ; -19 L9; -24 Y7
6671	+22 L6; +16 Y4; +16 VI	6894	+7.3 S26; +7.2 L10; +7.2 Y6; +11.1 Mi10; +8.1 V2
6673	-2.0 V4; -2.5 W4	6901	+15.8 L5; +15.2 W3
6674	-3.4 V6; -8.2 W5	6906	-43.4 V6; -38.2 W3
6676	+9v W10; -2 L2	6907	+16.2 L7; +11.7 V6; +11.1 W4
6677	P301	6908	+11.2 D5; +1 S5
6682	+5.2 L5; -18 W1	6909	-20.7 V6; -20.5 W4
6683	+12.2 L5; +7.3 C5	6911	IS +17.3 V; +2.4 W3
66S4	Sp cG4e-M3e	6913	-1.0 W4; +3.0 VI
6688	Orbits -16.5 Mdl20 (Hiltner); -10.9 Υ 83 (Pearce)	6915	-7.1 L8; +5.1 Y6; -9.8 V2
6080	+9.4 V5; +13.8 W3	6918	-59.2 L6; -57*5 WS
6691	+16.6 Y22; +3.8 W4	6920	Orb. Herman
8604	-1.0 V5; ~2.8 W3	6924	-9.1 L6; -7.8 B7; -11.2 VI
6695	Sp cG4e«M3	6928	+24.9 D7; +24.2 W3; +16.7 33
6704	+77 W4; +69 Md2	6931	-4.9 C16; -5.1 <i>UI</i>
6705	+6.8 C8; +7.3 L7		
6701	+11.0 L4; +10.3 C2		
6718	IS W8: Ftr. comp. • 58.0 b W7		
6723	-2.7 Y43; -18.4 V8; -2 L3		

6935	-12.1 35; -1.8 D4	7170	-98.6 W11; -96.9 L5; -99.6 VI
8937	Sp M3e-M5e	7177	-13.4 Mi20; -13.9 Y15; -13.6 V13; -12.9 L8
6938	-4.4 Y18; -5 L4; -3.2 W3; -11.4 VI	7185	-9.8 L4; -13.2 C3; -10.9 W3
6951	+12.2 L9; +9.7 C3	7189	-8.4 D6; -4.4 W4; -13.9 V3
6956	-10.0 L8; -11.0 B7; -11.0 S10; -14.6 V8; -7.3 C3; -12.4 W2	7190	-8.6 D4; -8 V4
6959	-9.8 V6; -9.6 W3	7191	+20.7 D4; +15.8 W2
6962	+1.8 L5; +4.4 C3; +5.9 W2	7193	Struve, Morgan
6953	+4.6 L10; -3.3 Y5; -8.0 VI	7199	+19.2 L4; +11.0 Y4
6963	+15.6 V6; +19.3 W4	7203	SR 198
6967	+4.8 L5; +4.0 C3	7208	+57.0 W4; +43 Md2
6970	-6.7 V6; -4.7 W3	7209	+3.2 MiO; +2.7 V4
6972	-4.1 V5; -9.6v S4; +2.1 W3	7216	-3.1 S16; -0.1 L9; -3.6 V6; -3.7 Y5
6974	-0.4v L3; -9.2v C3	7221	+0.2 W5; +1.8 V2
6991	-11.3 Y58; -8 L6; -2.6 W4; -3 V2	7222	Crb. Van Arnem: IS We
7002	+18.5 L5; +18.8 C3; +20.7 W3	7224	-51.1 O15; -17.7 Y4; -C.2 L3; -16.8 V2
7004	+25.0 V4; +25.5 W3; +30.5 S3	7226	Crb. Sanford
7006	Triple system: A 8189A -3.4±1.0 2-sp ; B -1.1±0.4	7230	+31.1 W3; +27.8 V2
7012	+7.0 L6; +10.4 B4; +6.5 VI	7231	+9.8 V8; +10.9 W7
7021	-46.1 L3; -44.9 W3; -48.5 V2	7233	+6.4 L5; +7.2 Y5; +6.5 W4; -1.6 V2
7028	-4.3 L8; -4.8 C7; -2.9 W3	7235	-2.8 L63 (Moore); -2.0 C48 (Lunt)
7033	+15.4 V5; +22.0 W3	7238	+37.4 L3; +34.8 C3; +37.6 W2
7035	-4.1 D4; -9.7 V2	7239	+7.6 V8; +1.1 W3
7037	-0.4 34; +6.8 W3	7241	P362
7038	-22.1 W3; -24.0 L2	7246	+7.0 D4; +7.7 W3
7039	+19.3 V8; +17.8 W5; (-14.4) Y4	7248	-29.9 L7; -28.9 C3; -28.1 B3; -29.6 W4; -32.4 VI
7040	+13.6 V10; +14.9 W4	7251	P210
7052	+4.1 D6; +16.3 W5; +2.1 V4	7252	-18.7 V6; -21.3 W5
7058	-1.3 L10; +24.2 Y4; -8.0 W3	7258	-27.2 V6; -23.5 W3
7057	+1.2 L12; +2.0 B4; +1.1 VI	7264	+8.8 L39; +9.1 C12
7064	-0.6 L3; -1.5 C2	7265	+40.2 S5; +42.0 D4
70G8	-0.9 Y4; +5.6 W3	7267	-45.8 L4; -44.5 C3
70*71	-23.9 D5; -25.7 V4	7270	-8.5 D7; -5.1 85
7072	+4.6 L6; +14 W4	7276	+4.6 L5; +3.1 C3; +5.3 W3
7079	-18.0 W26; -17.6 V2	7285	-18.1 D4; -21.4 V3
7085	HD G0+A0	7287	-9.2 V6; -10.8 W4
7090	EA 7.33: Crb. Struve	7289	+5.4 C31; +4.4 L11
7092	-5.0 LS; -3.9 W4; -7.0 V2	7293	-12.8 V8; -10.4 W5
7093	+15.4 C17; +7.0 L4	7303	-6.0 W4; -5.2 V2
7097	+31.2 W4; +30.2 V3	7307	-16.5 D7; -9.9 S4; -17.9 V3
7100	P253	7309	-25.8 V6; -23.3 W4
7105	-23.2 MiO; -29.2 V2	7313	Lick plates give +11±4 . Joy uses these with light-curves to <i>get</i> normal vel. quoted: Sp F8-G4
7107	+2.7 L3; +5.8 W3	7320	+3.4 W3; -1.1 V2
7110	+1.8 V8; +3.9 W5	7322	+4.6 L4; +9.9 C3
7117	+177.9 Md8; +206.9 W3	7328	Orb. Chang
7110	-9.3 DS; -13.2 S5	7329	P339
7120	Crb. Struve	7336	-16.2 V6; -10.9 W4
7121	+0.2 Y7; +1.0 L5; -1.8 WS; -4.2 V2	7337	-14.6 VII ; -13.2 Y10; -15.8 L6; -7.7 W5; -10 Vn4
7125	+61.2 W2; +57.8 L2	7338	-4.2 Y9; -3.9 L7; -10.0 O12
7128	+50.6 L8; +53.8 B4; +51.2 W3; +49.1 VI	7341	+14.5 Y20; +4.7 A6; +4 W5; +7.0 V2
7129	-8.7 L9; -7.4 B3; -9.7 V2	7346	-27.1 L4; -26.7 B5
71S2	-J.5 L8; -4.5 C3	7352	-5.7 D4; -2.5 W3
7133	+15.1 L4; +16.1 C^; +13.6 W3	7353	+7.0 L10; +7.3 C9
7134	+1.0 L4; +4.7 W3	7354	-7.5 V8; -7.6 W5
7135	-113 W3; -130 Mdl	7383	RR 0.57
7138	-51.3 L3; -52.5 C1	7368	-0.7 L4; -9.7 S4
7139	-10 W2; -20 Mdl	7370	-17.7 V6; -8 S4; -31.2 W4
7140	-5.0 L6; +4.3 Y6; -1.0 W4; -3.3 W2	7372	-13.4 V4; -18.7 W2
714C>	+9*9 V5; +5.6 W3	7375	-6.9 L6; -7.4 C3
7147	+5.8 L4; +9.3 C3; +5.3 WS	7377	+2.3 L5; -12.1 V5; +10 54
7149	+2.^ 84; +3.0 V2	7379	-8.5 V8; +2 L4; -3.8 Y4
7151	-4.8 Mi20; -0.5 L9; +1.8 Y5; +4.9 W5; -0.7 V3	7383	+1.7 L4; +1.2 W3; -1.5 VI
7154	P314	7387	-7.6 W6; -11.1 V2
71G0	+4.9 L8; +4.1 C5; +4.0 SO; +4.9 B4; +8.2 C5; +23 W5; +4.2 V2	7389	P317
7104	+23 W7; 0.0 V0		

7390	-1.3 L5; 0.0 S4	7618	Sanford, Karr
7391	-0.4 Y25 (Ichinohe); -1.3.1 V19 (Harper); +2.2 O43 (Harper); +5.3 O21 (Harper) Ill-prism plates only	7517	Sanford, Karr
7392	+7.8 W6; +11.0 D5	7623	-20.0 L12; -15.8 Pk12; -19.3 C2; -20.3 W3
7397	+9.0 V10; +4.0 W4	7624	-19.8 L14; -21.0 Pk8; -17.9 W4; -17.2 C1; -20.6 VI
7398	+35.3 L5; +35.5 W5; +35.2 V4	7626	+7.6 Y8; 0 L5; +3.5 W4; -12.4 V3
7400	+20 L4; -20.9 W3	7629	+12.0 Y6; -4 L5; +2.2 W3; +3 V3
7404	+42.4 L6; +43.0 B3; +47.0 W3; +36.0 VI	7632	-8.9 V8; -9.2 D6
7407	+13.3 L5; +14.7 C3; +12.5 W4	7638	-12.9 34; -13.1 VS
7409	-44.0 VS; -40.4 W3	7643	Em MIW14: P223
7411	-4.8 L10; -3.8 C3	7846	+79.3 W3; +81.5 V2
7414	-1.2 S6; +0.4 L4	7648	+12.7 Wc7; +11.5 L12; +16.9 W1
7423	-2.4 V6; -4.1 S5	7650	+4.5 W3; +3.6 V2
7428	Vmter Hansen	7652	-8.9 C39 Orb. Cannon; -11 V9; -10 Y5; -7 W3
7443	-11.3v W5; -9v D4	7656	+51.7 W6; +51.6 V3
7444	-0.4 S7; -0.8 L4	7657	+50.7 L4; +56.8 W6
7445	-13.4 L8; -9.8 B3; -10.8 W3; -21.1 VI	7659	-3.5 D4; -0.2 W4
7447	+4.9 Y5; -2.0 L4; +3.0 W3; -1.4 V2	7660	P437
7450	-10.5 W7; +1.2 L3; -15.5 V3	7662	P348
7456	PSi>9	7664	-18.0 W3; -8.5 V2
7459	-6.2 V3; -4.4 W3	7674	-7.7 V3; -7.3 W3
7468	-2.8 L3; -4.0 V6; -4.1 W4	7676	-2.4 W3; -2.1 VI
7471	-12.2 Neubauer; -10.3 Luyten	7678	-17.3 Y1C; -9.0 V7; -10.2 L5; -9.5 W5
7472	+0.3 Neubauer; -1.4 Luyten	7885	-13.9 V4; -7.7 W3
7474	-4.4 Y6; -2.1 L5; -11.0 V3; +0.2 L(Tr)3	7688	+4.1 W3; -9 Md2
7473	+8.7 D8; +3.9 W3	7690	P207
7478	+4.0 L7; +5.3 B4; +3.2 VI	7692	+3.5 V6; -2 L4; +10.2 Y2
7479	+2.7 L7; +5.7 Y5; -5.2 O4; -2.5 VI	7695	+2.9 V6; +3.0 W3
7482	+70.3 L4; +72.2 C3	7697	-0.6 L5; -2.8 W5
7486	-5.4 W6; -7.9 V3	7700	+53.1 L4; +54.6 C1
7487	-0.4 87; -0.6 L4	7706	-0.7 L5; -3.3 C5
7491	-11v S4; -14.5 W4	7712	-7.0 L4; -4.4 B4; -3.8 W4
7502	+2.5 S5; -0.4 L4; -9v D4	7714	-16.8 V3; -3.8 W3
7503	-4.3 S17; +1.1 Y6; -2.4 L4; +0.4 L(Tr)3; -4.3 VI	7722	-11.9 Pml76 Orb. Ludendorff, questioned by Victoria; -7.8 V31; -7.9 Y23; -8.0 L12; -6.9 A4; -3.7 O2; -15.5 Pr1; -7.8 W1
7513	-4.8 W8; -8.1 V4	7723	+34.5 W4; +339 Mdl
7515	+16.7 Y16; -4 L7; +1.4 W3; +6.9 V2	7728	-17.9 L7; -17.1 C3; -13.8 B3; -18.8 W4; -20.1 V3
7518	+4.4 Y8; +13.4 L3; +9.7 V2	7732	-4.1 Mi6; +2.7 Y5; -11.8 O4; -2.6 U; -3.1 VI
7523	-14.0 L4; -8.4 W3	7733	-4.9 Pk35 Orb. Belopolsky; -0.3 Pml2; -4.1 Y9; -2.0 L5; +1.2 Vn5; -1.2 W2; -3.8 V2; -13-9 Pr1
7528	+21.3 C17; +21.4 L11	7738	Orb. Sahade
7529	-23.5 V6; -19.7 W3	7740	+8.5 D6; +7.5 W4
7530	-0.5 L7; +2.4 Y4; -0.5 W3; -0.1 VI	7746	-1.7 L5; -2.0 V4
7536	-23.3 L4; -15.6 C3	7755	-30.9 L3; -31.4 V6; -28.1 W4
754G	-3.4 C19; -4.7 3L9	7759	-1.0 V3; +1.0 W3
7556	0.0 L4; +2.6 S4; +0.8 V3; +1.4 W2	7760	-13 W5; -6 Md2
7558	-21.2 L3; -20.6 V6; -15.5 W4	7762	-15.0 Y10; -8.7 V9; -9.2 L6; -3.1 W3
7559	-15 L7; -4.2 Y4; -13.3 V2; -9.2 W2	7767	+36.1 L12; +38.1 C11
7560	P218	7770	Crb. Herbig
7581	-42.7 B4; -40.8 W3	7772	-14.6 C23; -13.5 L12; -12.7 B11; -9.7 Csl1; -14.8 V2; -14.8 Cm2
7562	Baker's orbit, based on 86 Mi observations, has erroneous period.	7780	+1.2 L4; +5.7 W4
7583	+6.1 L7; +8.9 B4; +6.0 V3; +7.0 W3	7791	+32 MdZ; -30 W1
7566	-7.9 C34; -7.1 L16	7794	-22.6 V11; -11.2 WS; -12.6 L5; +8.4 Y4
7568	-16.2 O77; -15.4 Y67; -23.1 L6; .2.6 V2	7795	-18.5 D5; -19.2 W5
7570	Orb, Struve, Gratton	7796	Spectrum intermediate between K5 and R
7572	+3.7 L9; +5.8 V2	7797	+2.0 W4; +3.8 V3
7573	+4.8 L6; +4.6 W4	77M	-1.1 V8; +1.4 W3
7574	-13.9 S4; -14.0 W3	7801	-5.8 V5; -4.3 W4
7^34	En? MiW7: P257	7805	+13.9 V6; +15.8 W4
7S86	-3.6 W6; -18.3 V3	7808	-16.3 L5; -15.9 W3; -17.0 V2
7500	-1.0 L4; -1.0 C2; -3.2 W1	7812	-9.2 L7; -8.6 C3
7591	Crb, Struve, Gratton	7813	P269
7586	Em W4: P145	7821	-19.1 L5; -17.1 C3; -22.3 W4
78^3	»26.1 Y6; -11.4 W3		
7SH5	P260		
7614	MeKellar		

7829	-18.7 D4; -17.3 W4	8031	-29.1 W4; -19.2 V2
7830	-3.4 Y29; -0.3 L11; -5.9 W3; -7.0 V2	8033	SB (61)
7832	-17.5 L12; -13.8 S10; -18.9 W3; -21.4 VI	8034	P370: Sp K5ep-M2ep: Em +7.3 Wc8; +12 W15
7838	EA 4.80: Crb. Joy	8035	-14.4 S16; -13.1 Y12; -8.0 V7; -8.4 W5; -8.0 L4
7840	-8.4 L3; -8.8 C3	8040	-13.1 L8; -11.6 Y4; -15.4 V3
7842	+18.8 W3; +34.5 Mdl	8042	-13.6 V8; -5.9 Y7; -4.8 L4
7847	-15.8 L5; -12.8 W3	8043	-5 Y6; -17.5 L4; -12 V2; -21 C2
7848	-13.1 L5; -13.8 C3	8052	P316
7850	+5.4 L7; +6.2 C3; +6.2 B4; +8.2 S4; +5.6 W3; +5.1 V2	8057	-1.4 W3; -8 Md2
7851	-12.7 D5; -14.9 W5; -11.8 S3	8058	-26.1 D5; -35.7 W4
7859	-39 L5; -165 Lwl; -200 Wl	8063	-10.7 V5; -6 L4; -5 A4; +22 Y4; -16.3 W3
7871	+9.5 VG; +2.1 W4	8067	-47.5 W5; -46.6 D4
7872	-21.6 L3; -20.1 W4	8076	-20.4 W7; -12 Y4; -22.5 V3
7875	-9.1 Y5; -10.0 W3; -7.9 L2; -7.9 V2	8077	-30 L5; -2 Y4; -15 VI
7884	Orb. Struve	8083	-14.0 S4; -17.8 W3; -23.7 V3
7885	+33.7 L6; +38.2 C3; +31.7 W3	8085	-23.0 V3; -28.9 W2
7890	-24.1 L3; -20.4 W2	8088	-8.5 W4; -13.6 V3
78C4	-26.4 L4; -24.3 W3; -26.7 V2	8090	-1.2 D4; -1.1 V3
7898	-25.6 L3; -24.8 W5	8091	+3.8 V6; +5.5 W3
7902	-26.7 L6; -27.0 V3; -28.2 W3	8093	-16.9 L4; *-18.3 V3
7904	+8.7 L5; +4.0 A5; +6.2 V2	8094	P90.6: +27.8 L32; +24.6 W2: Em +28.3 L25; +14 Wl
7907	-8.0 L7; -10.9 W3	8095	-37.2 L6; -32.7 W3
7908	-3.2 L4; -2.5 Y4; -0.2 VI	8099	-9.8 W6; -14.8 V4
7909	-19.6 D6; -18.0 W4	8101	-161 L6; -135 Lw4; -140 Wl
7911	-5.6 L9; -4.5 C6; -6.8 W3	8103	+2.2 W4; -15.4 V3
7912	-6.9 35; +6 D4	8106	-26 S4; -4 W4
7913	+123.4 W3; +136 Md2	8113	+19.9 L5; +25.3 W5: IS 0 L4; -4.2 W3
7915	+9.6 V3; +11.9 W4	8114	-42.1 W12; -51 Mdl4
7919	P196	8118	-8.2 V6; -6.2 W3
7S28	-20.3 L4; -21.2 W3	8121	-23.9 C29 Crb. Spencer Jones; -14.9 L7; -17.6 W3: Orbit doubtful
7934	-2.7 Mi9; -9.7 V8	8125	-6.0 V5; -2.9 W3
7941	-11.4 W5; -9.6 V2; (-2.2) C2	8128	Spencer Jones
7945	-26.4 L4; -29.2 W3	8130	-15.7 MilO; -8.7 V3
7947	+12.1 L4; +10.7 C3	8131	-11.9 84; -14.4 W3
7958	-9.6 PreM1128 Orb. Hadley; -8 Vn97; -5.3 Y14; -6.4 Mdl1; -7.4 V7; -S.8 L6; -9.9 W5	8133	-31.8 W4; -31.9 V3
7959	-7.4 Y151; -12.5 Pznl4; -12.7 MdlO; -10.2 W8; -23.6 O8; -10.8 L5	8134	+30.3 L3; +30.8 C2
7960	+11.5 S5; +14.4 W4	8137	-5.3 V6; -4.0 Y6; -5.4 W5
7962	+133 Md3; +125 Wl	8139	-10.7 V6; -10.1 W3
7983	+0.5 Y99 (Strave, Ebbigtiausen); +1.6 A83 (Baker)	8140	-15.7 L6; -13.8 S12; -17.1 B4; -16.8 W5; -18.2 V4
7964	+1.6 W4; -4.4 V4	8141	Crb. Struve, Gratton
7985	+69.4 L3; +65.1 W3	8142	-10.9 Y19; -8.2 V8; -15.8 L6; -14.9 Pr2; -10.0 W2; (+9.5) Mi20
7906	-10.2 D48; +0.1 Y15; -7.6 Mdl4; -9.1 V7; -12.5 L3; -5.2 W3	8148	P386
7070	Orb. Struve, Cesco, Sahade	8149	+10.5 V7; +12.5 W4
7973	P231	8150	P254
7980	-117 L4; -15.3 W3	8152	+40.8 L6; +40.2 C1
7982	P250	8157	Em -17.2 W8; -24 Mi4: P326
7989	-28 W3; +10 Mdl	8159	-6.3 L6; -3.5 B5; -3.6 C3; -6.8 W2
7991	+4.0 L4; +5.3 W3; +3.8 V2	8160	-34.4 W3; -38 Mdl
7997	+14.3 V6; +15.6 W2	8161	-39.8 L8; -37.8 C3; -41.6 W4
7998	-5.1 V8; -17.5 Y4; +2 L3	8162	-3.1 L4; -0.8 W2
8003	0.0 V6; -4.4 W3	8169	-11.7 D4; -11.6 W3
8003	P387: Both abs and em velocities appear to vary with phase, and mean velocities from bright lines of different elements do not agree; Em measured on 87 W plates, 19 with dispersion of 10A	8171	P327
8008	+19 Wl; +12 Md2	8173	-16.1 B6; -2.5 W5
3015	-3.1 L11; -1.6 C3	8180	-41.9 V7; -37.0 W4
8018	-19.7 D4; -19.1 W4	8180	-43.5 D4; -46.0 W3
8020	+18.5 L4; +17.9 C3; +18.4 W4	8187	-17.1 W3; -14.9 V3
8026	-1.5 L7; +2.7 C2; -1.5 W3	8188	HD F2+A2
8027	P377	8189	-10.7 L7; -10.4 W3; -11.0 V2
		8190	-3.8 V6; -3.6 W3
		8195	-9.8 V6; -11.8 W3
		8203	-6.7 L6; -9.4 C2; -3.9 W3
		8204	-0.2 049 Orb. Harper; -3.3 L16; -17 C8; +2.2 B7; +4.4 Pr0; +10.8 Csl2; -7.2 W6; TO

8209	-8.8 D6; -10.0 S5	8417	-22.0 L8; -22.7 W3; -19.5 C1
8213	-40.5 L3; -39.5 V7	8428	-11.2 L7; -9.9 B4; -11.8 V2
8226	-3.7 L3; +10.9 W4	8432	-29.1 Y5; -26.9 L3; -27.4 V1
8232	+5.6 L5; +7.0 Y5; +8.2 V1	8435	-15.6 W4; -14.8 V4
8233	Orb. Farquhar	8442	-9.4 L5; -10.7 W3
8235	-59.7 L3; -57.9 W3	8445	P352
8236	-163.8 W3; -157.9 Mdl	8450	-20.7 S6; -8.4 D4
8238	-8.2 W3; -8.6 S3	3451	-13.8 315; -10.5 D5
8244	+1.7 Y22; -5.1 L12; -3.0 012; -3.8 W5; -18 V1	8454	-7.9 V3; -4.6 W3
8249	-21.1 S4; -26.1 W3	8462	+10.5 L5; +10.8 B3
8257	-13.4 D4; -26 Md2	8463	0.0 D4; -1.6 W3
8270	+27.1 L19; +27.8 C6	8465	Em -41 Mi3; -44 W2: P259
8272	+1.3 C37; +1.8 L19; +9.6 W4	8468	Sp cG0e-M2
8274	P281	8473	+13.2 LS; +13.2 W1: IS W1
8277	Orb. Joy	8475	-13.8 L14 ; -11.7 B4; -14.C V2
8285	-34.4 L3; -38.4 V7; -34.7 W3	8477	-30.5 Y11; -35.2 L8; -52.8 06
8286	+64.7 L2; +52.0 W2	8481	-19.5 D4; -19.1 W3
8289	-14.0 L5; -13.6 V6; -11.5 W5	8485	+4.8 D6; +2.4 W3
8292	-3.5 W5; +2.5 L2	8487	+0.8 S4; +2.0 V3
8294	-0.6 D6; -3.6 S3	8494	+0.2 L9; -0.9 S24
8295	P307	8500	-80.8 L3; -58.9 03
8300	+17.6 L8; +16.5 C4; +20.3 W3	8504	-14.5 L3; -17.0 02
8303	P334	8510	-22.2 W3; -22.9 V2
8310	+10 Y6; -7 L4; +2 V3; (var.) A7	8511	P223
8313	+26.5 L4; +28.1 C2	8514	-10.8 L3; -2.0 W3
8316	-45.7 L3; -44.4 W2	8518	-15.5 V4; -13.2 W3
8318	-23.6 L3; -22.1 W3	8517	-24.8 L46; -24.3 C28
8324	-10.5 D9; -16.1 S5	8518	-20.7 L34; -20.7 C16
8325	-17.5 W7; -24.2 V6	8519	-22.2 L80 (Wright); -22.1 C44 (Spencer Jones)
8326	-39.3 L8; -38.1 W3; -39.5 SI	8520	-48.7 V8; -49.6 W3
8328	-14.4 Y47; -17.9 L7; -15.9 W6; -23.4 V2	8521	-24.7 VS; -23.8 W3
8332	-47.8 D4; -45.2 W2	8523	-0.5 Y4; -7.1 V3; +4.2 W3
8334	-13.5 V3; -7.2 W3	8525	-9.3 Y13; -3 02; +0.2 VI; -3.9 LI
8335	+17.0 L5; +15.7 W3	8528	P256
8336	-15.7 W4; -22.4 Y3	8533	+1.0 Y53; -3.0 L8; -5.5 VI
8339	Em L6: P559	8534	-13.8 S4; -13.6 V3; +14.2 Y3
8341	-5.2 C109; -4.8 Pk85; -5.4 L56; -5.3 Wc37; -5.4 084; -5.4 Pr38; -4.4 B31; -8.4 Cm32; -4.4 Y37; -4.8 W39; -2.3 S33; -5.3 V24; -7.0 MilO; -3.7 Cs7; -4.7 Lw5; -6.2 F2	8535	+7.1 L17 ; +7.6 C6
8344	+6.3 W4; -0.2 V4	8537	-6.5 PmlO; -9.5 Y8; -3 L5; +5.5 Pk3 ; -5.8 W2; -2.9 V2
8350	-8.3 V5; -10.8 W3	8541	-22.6 L3; -22.3 V6 ; -21.1 W3
8354	-17.2 L9; -10.0 Y6; -23.8 A5; -26 VI	8542	-23.2 W9; -23.1 V6
8355	-9.9 V8; -8.9 Y6; -4.6 L5	8551	+5.9 064; +4.8 L12 ; +0.0 VI
8358	-12.2 V5; -7.8 W3	8552	-38.7 L11; -39.7 04; -33.6 W4
8360	-8.2 Y15; -9.5 W5	8555	+5.2 L6; +7.7 W3; +7.0 VI
8368	Em W6: P328	8558	+0.2 L7; -0.6 C4
8370	Colacevich: -7.4 L7; -5.8 Y4; -11.6 VI	8560	+10.7 VS; +17.5 W3
8375	-26.3 L3; -28.4 03; -26.9 W5	8567	-16.5 L14; -15.0 B5; -16.3 C3; -17.4 MilO; -15.5 Cs5; -14.3 W4; -17.1 Pr1; -1G.7 VI
8376	-13.0 W3; -1 L2	8568	-18.8 L3; -15.3 V4
8380	-7.3 L6; -7.7 B3; -7.2 *S; -11.3 V2	8569	-9.6 L6; -7.4 B3
8383	-12.6 W4; -3.1 VI	8570	-10.4 V7; -24.1 Y7
8386	+27.4 D4; +19 S3	8574	+33.3 D4; +27.5 W3
8387	+5.0 L10 ; +3.8 C5	8582	-2.7 Y11 ; -8.7 L9; -8.0 V3
8389	+11.0 C10; +18.4 17	8589	+8 S6; +3 W4
8393	North fol. AO Vir	8592	-0.3 L3; -1.3 03; +0.1 W3
8396	+8.7 L7; +5.2 W2	8594	P194
8398	-16.7 D4; -18.4 W3	8596	-15.4 S4; -18.1 V2
8401	-17.7 W4; -19.2 V2	8597	-1.5 W3; -2.6 S3
8403	-10.0 V6; -11.5 S4	8600	-2.5 L5; +0.2 Y5; -i0.8 W4 ; -4.3 V3
8404	-21.3 L7; -19.5 V5; -36.5 Y2	8606	-8.2 D5; -16.5 S3
8405	-18.9 W14; -17.1 V11 ; -20.4 S3	8608	-33.4 W3; -38.1 V2
8408	P271	8614	-5.5 DS; -5*4 W3
8409	P326	8815	+6.2 WS; -14.7 V5
8412	-20 L4; +16 Y3; -5 VI; (var.) AS	8817	-6.0 V8; -5.9 W3
8414	-19.4 Pn6; -19.8 D5	8619	-24.1 LS; -15.1 Y3
8415	-29.0 D4; -31.0 W3	8820	-32.1 V9; -34.0 W3
		8622	+3.4 S4; -6.7 W3

8623	-14 Lw4; -2 Y3; -12 LI	8861	+53.9 L8; +53.4 B3; +50.6 W3; +51.4 V2
8626	+83.1 L7; +83.5 C3	8862	-27.0 D5; -32.9 W3
8628	-66.7 L4; -67.0 V6; -64.8 W4	8864	-16.1 L3; -15.7 W7
8632	-7.1 W3; -1.6 L3	8867	-10.6 V7; -11 W3
8634	+4.2 L6; +1.9 V3	8870	-53.2 V6; -53.3 W4
8642	+10.4 V6; +12.6 W4	8879	+9.0 L3; +7.8 V3; +10.5 W3
8648	+16.9 L10; +19.1 B9; +15.4 MilC; +15.0 V2	8881	P193
8643	-40.3 V5; -24.8 W3	8882	+3.4 V8; +12.3 W5; +11.2 Y4
8649	+7.3 L3; +11.1 C2; +9.7 W3	8883	-29.8 L10; -28.1 C3
8653	P186	8889	P367
8655	-35.0 D8; -33.5 S5	8890	P361
8660	-42.4 W4; -46.3 V2	8894	+44 Y5; -6 W4
8664	-11.0 W5; -15.0 V3	8898	P203
8669	+23.9 L15; +13.7 A4; +18.8 VI	8906	-11.1 35; -10.6 W2
8673	-16.0 V8; -16.1 W3	8909	-6.0 Y46 Crb. Lohse, Chang; -6.6 L6; -8.2 V6; -3.9 84; -8.3 W4
8674	+19.5 V9; +18.5 W3	8911	P218
8691	+178 Md4; +158 W3	8915	-45.7 V6; -46.8 W4
8693	+12.6 D6; +10.8 W4	8S19	-8.0 L6; -14.8 A4; -21.7 C3; -9.0 V2
8696	Crbits -43.8 A60 (Schlesinger, revised by McLaughlin); -35.4 Mi56 (McLaughlin): Vei. of system probabl/ varies.	8920	-8.8 W4; -9.0 VI
8701	-13.3 V4; -15.3 W3	8921	-20.0 L2; -18.5 W3
8702	-33.6 V7; -34.9 W3	8924	-2.9 34»; -4.9 V3
8704	+13.3 L5; +13.6 W4	8925	-10.9 L6; -9.7 B4; -10.9 V3
87CG	-19.2 L7; -18.7 B3; -18.7 V3	8931	-47.8 V0; -48.2 W3
37C	-33.0 D4; -35.3 S4	8939	P425
C70?	<C-2 W6; -47.0 V2	8940	Crbits -18.0 L341 (Neubauer); -21.3 C153 (Cannon); -18.6 B5; -21.5 C3; -18.6 V2: P = 10.5 years: Neubauer suspects shorter period of variation, 320 days.
5710	-13.7 L7; -13.9 B3	8944	-10.5 L6; -5.9 Y13; -23 C4; -18.3 V3
3715	+15.4 D6; +1.3 S6	8947	-42.8 D4; -49.9 W4
3717	-4.0 L9; -4.9 C3	8953	-10.0 L3; -8.8 W3
ST2f	-23.3 L7; -22.1 Y6; -22.6 B3; -24.3 W3; -26.3 V2	3965	-32.5 L5; -33.1 Y4
0:23	Cr... Popper	8967	-13.0 L16; -24.2 L4; -16.4 V2
0:23	-2>.a LS; -24.1 B2	8968	+23.7 Y3; -4.0 W3
0:23	P252	8972	P317
0:23	-15.5 V6; -10.1 Y5	8973	-32.7 V7; -21.9 Y5; -16.5 L4
0:23	-j.5 V-3; -4.4 W6	8976	P324
0:23	+ IZA L4; +14.6 Vb; +15.7 W3	8977	+48.8 LS; +47.1 C3; +45.3 W3
0:23	-j.j Lj; -9.1 V5; -2.3 Y4; -9.9 W3	8979	+16.S L6; +5.4 C3; +4.8 W1
6:30	+Q.5 V5; +4.5 34	8981	-5.2 L5; -7.8 V4; +1.8 Y4; -4.3 W4
si ;i	+1S.I, V-; +25.1 W3	8984	-14.4 L6; -17.0 C4
0:23	Crö. Chang	89S8	-34.0 L5; -45.2 V4; -36.6 W3
0:23	-K.2 V*; -1J.7 W3	8987	-44.0 O43; -38.2 L6; -39.5 Y4; -39.4 V3; -43.7 W3
0:23	-43.4 D4; -48.5 S4; -47.1 W4	8989	-1S.5 D5; -21.4 S3
0:23	+265 V/3; +S02 Md2	8990	+2.6 A136 (McLaughlin); +0.5 C103 (Cannon)
8774	P237	8992	-27.0 L8; -28.0 C4
8781	-3.S LIC; -3.9 C3	8994	-25.4 L5; -24.0 V7; -25.6 W3
6733	+15.0 D4; +15.S 83	8995	Crbits +2.6 V33 (Pearce); +2.8 Md55 (Smith); -0.3 V14 (Plaskett)
87S4	P274	8997	P165
67&5	-10.1 Y48; -14 L&; -18.1 W6	8998	-19.2 L4; -18.2 W4
8797	-3S.4 V4; -34.6 W3	9000	-23.8 S5; -23.8 W4
8612	Crbits -48 W25 (Sanford); -43 Md25 (Strove)	9005	-24.7 L9; -25.1 C3
3d17	-4.3 D4; -7.8 #3	9010	-6.0 S4; -0.4 W4
8813	-18.3 W4; -12.9 Y4; -17.9 A4; -15.C L3; -15.8 V2	9018	-7.6 C10; -4.4 L3
8813	-54.3 L5; -33.9 W3	9023	+5 L7; -10 Y3
8820	-26.9 L3; -23.0 C1	9024	+38.1 W3; +37.8 S3
8623	-15.4 L8; -5.3 W4; IS -10 L5; -12.5 W3	9030	-10.0 L3; -10.4 VS; -8.3 W4
6S26	-11.9 V4; -5.5 W4	9031	-24.1 D4; -21.4 W4
aa0	-12.0 L7; -11.B B3; -10.7 W3; -12.6 V2	9036	-21.8 L4; -24.1 C3
E&S4	-4V.1 L6; -46.5 B4; -49.4 W3	9038	-11.6 V7; +7 W4
B^35	-11.0 W7; -19.9 Pn7; -7.8 V3; HD A2+G	9042	-23.5 L4; -20.9 C3; -17.7 W4
833S	-37 MilOO; -34.7 Y7; -32 LI	9043	-19.6 V7; -19.1 W5
8841	-3.3 L6; -€2 W2	9044	-29.8 V36 Crb. Plaskett; -2.9 Y6; -23 L4; -19.1 W5
8844	Crh. Hellerich: Bp F6-G4		
8854	r54 L5; +30 Lw3		
G85t	Orbits -3.7 Md30 (Sahade, Straw); -7.6 VI7 (Peareci)		

9045	-25.2 D4; -32v W4	9190	Orb. Struve, Elvey: IS W6
9048	-20.5 D4; -19.9 W3	9194	-67.4 D4; -71.2 W3
9054	+3.2 V6; +3.4 W4	9195	-5.8 Y13; -4 LI; -3G VI
9055	-8.7 CS; -2.3 L3; +11.3 W3	9196	Normal vel. by Joy from Lick plates: 3p F6-G8
9058	P228	9202	-19.2 Y8; -2.1 W3; +4.9 03: IS -12.2 W8; -13.8 We
9059	-16.0 Y43; -18.8 V16; -16.5 L2	9203	Em gives same vel. as abs: M star has variable vel., -26, with range of 48; different elements give different velocities: IS -24.0 W8; -23.6 L5
9060	-15.6 L3; -18.8 C3	9205	Sp G2-M2e
9061	-0.2 O30; +6.4 W4; -1.1 VI; +20 Y1	9206	+4.2 V4; +2.1 W3
9067	P243	9212	-19.9 L5; -16.6 V6; -16.9 W3
9069	-171.0 W10; -175 V2	9214	+18.8 L4; +15.5 V5; +19.7 W3
9071	-8.7 Y9; -13.9 V6; -10.9 W6; -8.2 L4	9215	-20.1 V20; -14.7 Y3; -24.3 W3
9077	-13.2 Y10; -16.9 V8; -18.9 L7	9219	-38.3 Y5; -18 L3; -17 V3
9078	+9.4 34; +18.9 W4	9221	-38.8 L3; -39.5 C3; -37.6 W3
9079	+2.9 C33; +3.0 L10; +3.7 B4; +1.3 MilO; +5.9 Cs5; +5.7 W3; +1.0 V2; +3.8 Pr1	9229	-2.0 Y5; +5.5 L4
9080	-3.8 V8; -4.3 W3	9237	P160
9088	-12.6 V4; -7.5 W3	9238	Orb. Chang Y17, L8i Also (-32.9) C4
9091	-11.6 A74 (Jordan); -12.8 MiVIO6 (Petrie, Phibbs)	9241	-42.6 D4; -36.1 W3
9094	-7.1 L8; +4.4 V6; +0.7 W5; +1.6 Y4; (+22.0) Vn3	9245	Orbits -3.8 Y94 (Luyten, Struve, Morgan); -8.0 L90 (Duncan); -11.0 A73 (Daniel, Schlesinger); IS -12.6 W9; -11.0 We; -13.6 V7; -9.2 L: A 9913AB
9095	-66.1 L9; -67.5 B4; -66.3 VI; -64.4 SI	9246	-6.4 W9; -1.0 L4: IS -10.0 W4; -10.7 We
9103	-4.4 D5; -1.1 W3	9249	P241: Em Wc6
9106	-7.8 Y4; -21.4 V2; -22 Vn2; -25 LI	9251	P355
9107	-55.2 34; -50.5 W3	9256	-59.2 W11; -60.8 V2
9108	-6.4 018; -4.3 W7; -4.7 L4; -10 A4; -17.0 V2	9260	-7.8 L12; +2.1 W8; +1.7 Y3: IS -15.0 W5; -9.5 We
9110	Orb. Struve	9261	P322
9112	-18.3 S3; -15.6 V3	9264	-5.2 L5; -6.6 03
9113	-1.9 Y5; -1.9 W4; -3.4 VI	9270	P238
9114	-39.3 L6; -37.9 03; -37.5 B3; -36.2 V2	9271	-21.2 W3; -8.2 LI
9116	+25.1 Mil5; +24.8 Pml1; +24.4 L7; +27 Md6; +21.0 W6; +13.5 Y2: Em Md9	9274	-28v V7; -6 W1
9118	-11.4 L18; -4.7 Y8; -8.8 W5; -7.5 VI	9278	SR 103; Em +16 W12; +18 L4
9119	P240	9283	-9.4 V8; -10.1 L3; -10.0 W4
9124	-19.3 L7; -18.3 B3; -20.0 V2	9286	-14.4 V7; -13.0 Y5; -31.8 L4
9125	Also (-129) S4: P358	9292	-2.4 W4; -3.9 S3; -6.1 V2
9128	-3.7 L6; -2.5 W5	9295	-17.0 L7; -17.1 B4; -21.9 V4; -20.1 W3
9129	IS have second comp. at -33.	9296	-15.4 L5; -15.6 Y6; -14.3 W3; -16.9 V2
9130	-20.2v D6; -12.8 W6	9297	-50.6 L5; -32.2 C3; -48.8 W6
9131	-10.5 S20; -8.7 Y9; -9.8 L4; -10.6 W4; -6.7 V3	9299	-25.7 L4; -27.5 C3
9132	P357: +21.4 Wc3; +12.2 W2; +30 Mi3; +30 Y1: Em +6.6 Wc3; +10.6 W2; +8 Mi3; +10 Y1	9301	-2.5 D7; -7.7 S3
9134	-13 L4; 0 Y4; -7.3 W4; -14.1 VI	9303	P483
9137	-62.6 L5; -56.6 B3; -64.0 VI	9306	-2.8 Y5; -12.7 L3; -4 W1: IS -10.6 W4; -11.7 We
9139	-25.0 L6; -19.8 B3; -23.0 VI	9308	-12.6 W4; -18.9 V3
9140	-8.5 V2; -11.2 W2	9309	+9 L3; +10 W3
9144	+5 L6; -7 Y4; -12 W4: IS have second comp. at -26.	9310	-7.9 L5; -5.0 Y6; -1.7 W4; -10.1 VI
9150	P242	9313	+ 15.9 Y4; +5 L4; -6.4 W3; -1 V2
9151	+31.6 V3; +38.7 W3	9315	-14.1 L4; -12.6 C3
9153	-55.8 L5; -53.6 B4; -57.0 V2	9316	-1.5 V3; + 2.0 W3
9156	-28.6 D5; -29.4 W4	9322	-21.2 D4; -19.7 W4
9158	-3.0 S4; +9.2 V4; -2.3 W3	9328	-9.0 D5; -5.9 W2
9160	-27.4 V5; -21 S4	9330	-2.8 W3; -0.3 V2
9161	-61.2 V6; -60.8 W3	9331	-5.1 L9; -4.3 C3
9172	P277	9337	-24.9 L5; -24.6 C3; -26.3 W3
9176	-18 D40 Orb. Heard; -16.4 VB	9340	-19.9 L14; -19.7 C8; -17.1 B4 ; -19.8 810; -19.4 W8; -20.4 W2
9177	-11.5 V6; -10.6 Y4; -13.7 W4; -13.6 O3 ; -10 L2	9S44	-2.5 V7; -1.1 W7; +1.9 Y3
9178	P250	9349	-28.2 L3; -27.6 C3
9179	+7.2 S20; +6.9 L7; +4.4 C3; +7.1 B3; +4.2 V2	9351	Orb. Tanner
9184	-69.4 V8; -66.5 W3	9352	-18.1 W4; -17.7 V3
9185	SB: -2.0 Wc31 ; +1.4 Md41 ; -20.3 W28; -13.8 L5; -13.4 Y8: IS -14.5 Wc31 ; -18.7 W10 ; -7.2 Y4	9360	P238
9186	-31.8 L4; -27.9 B4; -29.5 C3	9386	+15 L5; +45 Lwl

9367	+15.0 V6; +12.4 W6	9531	+96.6 L7; +146 W4: IS W4: Vel. is variable if displacement represents motion.
9389	-U.3 s4; -6.4 W3	9535	-10.9 V8; -9 L8; -13.1 Y7
9372	P223	9536	P245: Em W9
9373	P177	9538	+1.3 L10; -5.9 Y4; -1.3 W4; -1.4 Wc3; +3.7 Mi3: IS W3
9374	Sp F8-G2	9541	-2.9 C6; -1.2 L4
9376	+6.4 W3; -2.6 V3	9543	P280
9383	-9.8 L12; -11.1 C6; -8.4 B3; -11.2 W3	9544	-14.4 W3; -16.7 V2
9386	~28 W3; -34 Md2	9545	Sp F4-G0
9387	-28.8 L5; -29.5 C4	9547	-34.8 Y6; -19.5 L4; +30.0 V2: IS -18.5 W6; -16.3 We; -8.0 Y
9390	-8.4 V6; -10.7 W4	9553	+18.2 V8; -8.4 W2: SB: IS -15.0 V7; -17.5 W5; -17.1 We
9403	-23.9 84; -24.6 W3	9555	-11.7 D4; -16.8 W3
9404	Orbits +2.0 L108 (Selga); -1.9 L75 (Henroteau); -9.9 C554 (Henroteau): IS -7.6 W4; -8.5 We	9559	-7.0 W5; -8.1 Y4; -12.8 V2
9406	-30.7 V8; -28.0 W4	9560	-12.0 W4; -3.1 Y4; -20.6 V3
9407	-13.8 L9; -12.7 Y9; -14.5 V4; -24.1 05	9563	-21.2 S4; -23.2 V3
9410	P331	9567	-28.9 L4; -31.9 C3
9413	-11.8 V6; -8.0 L4; -9.5 W4; (+11) Vn3	9572	-19.0 L3; -19.1 V6; -20.1 W3
9418	-27.0 Pk141; -42.9 L10; -49.4 04; -39.3 W3; -44.7 V2	9575	-55.4 L3; -55.8 V6; -54.0 W3
9420	-29.7 L5; -24.9 B3; -31.1 V2	9581	-33.5 S5; -29.6 W4
9423	-13.6 L3; -9.6 W3	9583	A 10152A: Orb. Joy
9424	-39.8 L3; -36.6 W3	9589	-25.6 C4; -24.7 L3
9427	Orbits -17.9 Md29 (Sahade); -7.7 W11 (Joy, Dustheimer)	9592	Orb. Struve, Gratton
9430	-7.3 V8; +4.6 W3	9600	-71.0 L31; -70.1 Pk19; -72.7 B5; -70.0 Cs5; -71.4 Cm3; -69.0 W4; -69.0 V2: Berman's orbit based on all but the WV plates
9438	-7.7 L4; -8.4 V6; -8.6 W6	9605	-225 L6; -230 W4; -240 Lwl
9441	SB (43): IS W1	9612	-19.8 D4; -18.2 W3
9442	-9.5 L7; -10.3 W1: IS -9.0 W2; -9.5 We	9613	+8.0 L12; +9.2 B7; +7.0 V4
9443	-29 W3; -28 Md2	9620	-49.9 V7; -42.4 W5
9444	IS -9.4 W2; -9.7 We	9621	-11.2 V6; -10.7 W3
9445	-6.5 W5; -17 L3; -8.5 Y3: IS -7.9 W2; -9.7 We: A 10049A	9626	-5.0 W8; -6.3 V6
9448	Spencer Jones	9628	-10.6 W3; -5.6 L3
9449	-3.5 Y18; -10.2 S12; -6.8 L7; -2.4 W3; -9.8 VI	9631	-18.0 V4; -9.4 W3
9450	-23.8 V6; -24.3 W3	9634	-49 W4; -43.0 S3
9452	Spencer Jones	9635	-17.7 W3; -20.2 V2
9453	-14.2 L9; -12.8 B4; -14.5 W3; -14.2 V2	9636	P343
0456	P406: Em -44.0 W11; -40.4 MIZ	9640	-3.4 L15; -3.5 C12
9457	-5.4 V8; +2.8 W5; +2.6 Y4	9641	-20.6 L6; -22.3 W4
9461	P298	9642	-8.6 D5; -16.9 W3
9462	-1.8 W7; -10.5 L4; -5.6 Y4: IS -14.5 W6; -11.1 We: Em -41 W2	9647	-3.9 W3; +9.1 S3
9463	-23.8 V5; -17.6 W3	9658	+5.5 D4; +8.8 W3
9465	+1.0 S4; +7.2 V4	9659	-14.1 L5; -17.3 A4; -15.4 Y4; -20.9 VI
9467	-33.5 D4; -42.6 S3	9660	+9.7 L9; +7.1 C3
9469	+100.9 L4; +99.6 C2; +97.1 W4	9661	-154 L5; -135 Lwl
9470	-28.4 Y5; -30.8 L4; -36.3 VI	9664	+1.0 S4; +0.2 V4
9472	+5.1 L8; +5.9 C7	9665	P294
9473	+7.0 1*5; +7.6 W0; +8A V3	9669	-2.4 C32; -2.3 L12
9479	Orb. Spencer Jones C101, L49: Also (-3.6) W20	9671	-0.5 L7; -3.2 SI
9481	+4.0 L5; +4.0 C2	9672	Sp G4-K2
9484	-31.0 W3; -31.0 SI	9677	+0.8 LS; -3.3 Y5; -1.9 B4; +0.8 V3; -4.3 W3
9485	+3.3 L5; +4.3 W3	0678	-5.1 S24; -2.6 L5; +0.3 Y4; +0.7 V3
948B	-5.1 L4; -2.0 W3	9680	-60.9 L4; -63.1 IMS; -63.7 W3: IS -8.9 W2; -11.7 Md: Em +52 d Md
0490	-18 W4; -4 Ud2	9684	-12.1 V6; -8.0 W5
0491	+2.1 V5; -0.9 S3	9686	Em +23.4 MH18; +29.8 L4.: IS -5.1 Md; -20 L2; -15.4 W4
0494	-5.9 W7; -8.3 L6; -9.2 Y4; -1 Vn3	9688	-28.3 W8; -26.7 W; -24.3 Y4; -29.7 O4; -X9.6 VI
9501	+18.3 L3; +17.4 V7; +17.4 W3	9696	P307
0502	-18.9 Y12; -4 L4; -8.9 ¥2	0697	-15.9 L3; -14.0 W3
9503	-12.8 V6; -12.4 Vn2	9701	SB (209): IS Md4
9510	-22.9 D5; -26.5 W4	9700	-13 L6; -1.2 W5; -2.2 "Ma4: IS -7.7 WS; -13.0 Md4
0514	-43 V4; -18 W4	9707	-15.6 MM; -17 W2; -10 L2: IS -5.2 B&d3; -7.5 W2
9517	-18.5 ¥7; -13.3 W5		
0521	P108		
0524	P366		
0527	P234		
9529	-11.6 WS; -24.1 ¥1		

9710	-25.2 Md15; -22 L3; -19 W2: IS -6.4 Md15; -10.5 W2	S934	-11.1 W5; -25.2 ML3
9713	Em +108 c: Orb. Struve	9935	IS -6.1, -43.7 We; +1.4 WI
9719	-18.8 L5; -20.7 C3; -14.4 W3	9938	-16.7 W3; -15.4 L3
9720	-20.6 L4; -23.3 Y4; -21.4 W3	9939	-8.7 V6; -3.3 Y4; +5 L4; (-42) Vn3
9723	-136.6 Md5; -143 LI: IS -10.4 Md; -9.6 W	9941	-0.6 L10; -1.5 W3
9728	-28 L7; -11 Y6	9944	-32.6 L12; -34.0 S16; -29.7 B4; -32.5 C3*; -32.8 W8; -33.3 V4
9733	-18.0 L4; -14.7 W4	9948	-42 O10; -35 Y6; -53 V3
9734	+5.8 V6; +7.9 W4.	9951	-10.2 W3; 0 Md2; -8 LI
9735	P320: Em -5 L6; -7 W4	9955	-25.7 L5; -23.1 B4; -26.1 VI
9736	Orb. Sanford	9957	-39.0 D4; -43.9 W3
9742	-3.7 L3; -0.7 W3; -0.3 V2	9960	EA 1.68: Sp B5n+B5n: Orb. Plaskett: IS -16.2 We; -21 W2
9746	Shajn, Melnikoff, V21, S6; (-3.7) V21 Orb. Harper	9962	-2.6 L7; +1.1 B2
9747	-0.6 V6; +1.6 W4	9970	-29.2 L4; -28.9 C4
9753	+11.5 V6; +13.4 W3	9980	Orbits -20.9 Y154 (Smith); -21.2 A65 (Baker); also (-30.5) Y38 (Luyten, Struve, Morgan)
9756	P279: Em -44.8 L8; -45.1 W2	9982	+3.4 W4; -4.5 L2
9759	Orb. Struve	9983	-105 L6; -150 Lw2
9763	-6.1 L7; -5.6 C3	9986	+3.4 V7; -7.3 D6
9764	+65 L4; +90 Lwl	9988	-8.3 Y26; -9.9 L7; -14.1 W4; (-28) VI
9769	-29.6 D4; -31.2 W3	9989	+224 L4; +225 Lwl
9771	-17.5 W12; -28.6 L7: Sp F5-G5	9990	+39.0 L5; +43.6 W2
9773	P180	9993	-36.4 D4; -37.7 W3
9775	-56.2 L6; -54.7 C3; -53.7 B4; -56.5 VI	9996	-14.0 W4; -12.8 V3
9777	+24.4 L5; +21.8 C3	9999	P349
9783	-25.0 D4; -17.5 W3	10000	Orb. Plaskett
9784	+32.0 D4; +22.7 V3	10009	-9.2 L6; -8.9 CI
9789	-2 D5; -18 V3	10011	+7.2 L10; +1.6 Y5; +3.8 W4; +4.4 VI
9794	-24.2 W3; -20 L3	10013	-46.1 L3; -46.1 V7; -46.2 W4
9798	-91 L5; -45 Lwl	10014	-5.7 V6; -1.9 L4; -10.5 Y4
9800	-24.0 A72 (Baker); -28.2 0139 (Harper)	10015	-162.5 W5; -162.4 S3
9806	P205	10019	-78.8 L4; -78.5 W4; -80.5 V3; -72.7 SI
9808	P404	10020	-14.2 W4; -9 O4; -28 L3; -26.1 V3; -13.7 Y3
9810	+11.0 V6; +11.3 W3	10023	-15.0 O45; -1.2 L8; +2.3 Y4
9814	-32.7 D5; -31.0 V3	10027	+40.4 D4; +39.2 W2
9819	+117 L5; +50 Lwl	10030	Sp G2-M2
9821	-13.4 O25; -10.5 L8; -12.4 S8; -13.4 Y4; -13.2 W3; -10.9 VI	10031	P219
9823	P448	10035	+1.6 V14; +5.8 S4; +0.3 W4
9825	-49.4 S4; -50.6 W3	10036	-14.2 L3; -13.8 C3
9831	+43.7 L3; +41.0 V6; +46.6 W3	10040	-8.2 D4; -6.0 W4
9836	-37.1 W5; -28.7 D5; -37.8 S4; -26.4 V3	10044	-0.8 L9; +0.9 C3
9838	Sp F8-G5	10049	+17.9 D5; +14.7 W3
9839	+10.2 L5; +4.4 W2: IS -2.5 W2; -3.8 We	10053	-22.7 Y4; -15.2 Y4; -20 L4
9842	+47.0 W4; +47.1 D4; +43.4 V3	10054	-16.5 L6; -22.2 V4; -26.5 Y4
9847	-26.1 V3; -23.3 W3	10057	+18.0 L3; +17.3 C3
9851	-22.9 V7; -30.2 S4	10058	+10.8 W3; +11.2 VI
9855	-18.6 W7; -17.0 S4; -18.0 V5	10060	-23.5 V4; -26.0 S4
9856	+5.5 D4; -1.1 W3	10063	-18.2 V6; -14.8 W3
9858	+1L5 W7; +18.2 V4; +18.6 S4: IS -18.5 V; -15.5 We	10073	-5.9 D4; -5.5 W3
9859	Sp F8-K2	10075	-54.5 S6; -49.3 D3
9861	-8.1 D6; +1.0 Y6; -3.2 L5; -9.7 V3	10076	+59.4 V8; +59.5 L5: IS -8.0 W7; -0.7 We
9865	W109, V6	10077	-6.5 D4; -12.8 W2
9867	-10.0 V8; -9.3 D6	10078	-2 Mi8; -6 D6
9874	-97.2 V6; -94.5 W4	10080	-28.7 S4; -27.8 V3
9875	Orb. Sanford	10081	-27.3 IA; -24.7 B3
9882	P302	10083	+37.8 L8; +36.8 C3
§885	-17.7 S5; -20.5 W4; -37.3 VI	10089	-29.0 Y4; -31.6 L4; -28.8 W3; (+11*4) If5: IS We
9S87	-26.9 D5; -24.1 S3	10094	+12.7 V10; -5v W5
9800	-32.2 V7; -28.7 Y5; -27.4 L3	10096	-41.9 Y5; -38.4 W3
9891	+3.0 DS; +3.2 S3	10100	+10.2 W3; -0.8 S3
9900	+0.3 Y7; -1.2 IS	10101	-17.8 V7; -0.7 W7
0004	-55*8 L7; -59.4 V6; -52.2 WS	10106	-35.4 L8; -34.5 V8; -40.8 Y4
9910	-14.5 L7; -12.2 Y5; (-30.4) O2	10115	-76.7 L5; -74.4 C3; -80.4 W3; -80.2 V2
9911	F298	10121	-26.8 L5; -24.4 B5; -25.2 WS; -27.1 VI
9924	+58.4 B4; +57.6 S3	10122	-32.5 V ^h ; -29.6 S4
9932	Orb. Sanford		

10127	-19.1B12; -20.9L8; -20.9W7; -17.5Cs5; -20.3V2; -22.4Pr2	10325	-14.5 V6; -15.0 D4; -13.7 W3
10136	+1.4 Lw11; -7.0 L3	10326	+4.0 S4; +3.3 V3
10138	P202	10337	Orbits -5.0 L44 (Albrecht, Udick); -6.1 W39 (Sanford): Sp F8-G7
10141	-14.2L5; -15.4Y4; -17.4V2	10342	-16.9 D8; -26.3 S8
10142	-58.1S5; -61.5W4	10346	-68.3 V7; -61.6 W4
10143	-16.8L5; -14.0Y5; -17.3V3	10349	-31.7 V4; -35.5 W4
10145	Orb. Trumpler: IS -4.9 W; -5.1 We: Ftr. comp. -29.0 L; -31.7 We	10351	-33.0 V6; -36.0 L3; -36.1 W3
10146	+31.2 D4; +30.0 W2	10352	-23.7 L5; -21.8 V4
10151	-73.9 L8; -88.3 W4	10354	IS -11.2 W3; -8.1, -22.8 We
10159	+14.1 Y51; +9.1 O24; +6 V3; +16.5 L2	10S57	Orb. Sanford
10160	-2.2 Pn6; +0.8 D5	10359	-0.7 W3; -1 L2
10182	-48.3 C10; -49.2 L7; -47.6 W3	10361	-25.2 L9; -25.8 B3; -26.5 V2
10172	-13.5 L5; -11.0 W4; -12.9 V3	10364	Orbits -41.8 W41 (Humason, Nicholson); -39.8 Md55 (Struve)
10179	-121 L4; -150 Lw1	10365	Sp G0-G8
10182	-18.1 L11; -18.2 Y8: IS We	10371	-28 L42; -32.2 W6
10183	+27.0 V6; +31.5 W3	10372	-17.1 D7; -10.2 S5
10135	-6.7 V3; +1.0 W6	10375	-17.5 W7; -18.5 VI: IS We
10191	SB: -24.3 L5; +13.3 L7; +32.8 W2: IS -2.4 L12; -12.1 W2	10378	-35.4 W3; -40.8 S3
10196	-1.5 V6; +3.2 W3	10379	P427
10204	-53.3 D4*; -54.1 W3	10385	-28.1 L5; -24.8 B5; -29.3 V2
10210	-21.1 V52; -18.8 L15; -18.0 Y14; -27.0 C11; -20.0 D7; -25.7 Mi5; -21.7 W4; -17.0 F2: IS -20.0 W4; -25.2 Y; -32.0 F1	10390	-34.6 D6; -21.9 W3
10211	-8.9 D4; -7.0 W2	10391	+9.6 V3; +16.5 W3
10212	+9.0 D4; +7.6 W3	10392	-102.8 W12; -111 Md3; -128 L2; -40 Lw1: Barnard's star
10213	-30.2 L10; -30.2 Y4; -27.2 V3	10394	-27.2 L8; -26.2 B4; -25.5 V2
10220	-31.2 D6; -28.2 W3	10400	j3 8287A: P423
10227	-35.6 W7; -42.2 VS	10402	-1.8 L10; -0.3 B4; +0.5 C3; -1.5 D4; -3.6 V2
10231	-11.7 L5; -11.9 C3	10403	Orb. Adams, Joy
10232	-7.0 D4; -9.2 W3	10404	+187.2 W3; +198 Md2
10235	-28.0 V6; -26.8 W3	10405	-19.6 L5; -20.7 C3
10237	-8.1 L9; -6.0 C3	10409	-5.9 W3; +7 Vn3
10239	-12.2 L11; -11.4 C6; -10.4 B4; -11.4 W7; -11.1 Y3; -11.3 Lw3; -13.3 S3; -11.4 O3; -15.8 Cm2; -11.2 V2	10415	+12.7 L7; +12.7 C6; +13.0 B3
10244	-25.0 W4; -26.2 V2	10417	-42.3 V6; -34.0 S6; -10.2 W5
10254	-30.3 S9; -32 V3	10419	-22.1 L6; -21.9 S12; -26.6 D6; -22.9 V3; -21.2 W3
10255	-32.6 S10; -19 V3	10423	+10.5 D5; +10.9 W3
10263	-10.3 L9; -9.8 W3; -14.4 VI	10427	-20.3 W4; -23.2 S3
10264	-11.4 W4; -9.8 V2	10429	P278
10265	-0.4 W6; -8 V3	10432	-15.6 D7; -36.7 V2
10273	+2.4 D5; +1.0 S4	10433	P221
10278	-30.8 C10; -26.7 L9; -22.4 W6	10436	-13.6 L8; -1.4 Y5; -13.5 V4: IS -15.7 W4; -17.4 We
10284	Orb. Moore: Sp F5-G9	10437	-23.0 L5; -21.6 B3; -24.4 W4; -24.2 VI
10285	-16.1 L6; -14.5 B4; -15.9 C3; -17.4 D4; -14.4 S4; -16.4 W4; -17.4 V2	10439	-4.7 O68; -4.6 S25; -4.4 L8; -4.6 W5; -3.9 Mi5; +0.5 Y5; 0.0 VI; -7.8 F1: IS -14.2 W6; -15.4, +2.5 We
10286	-13.4 W4; -20 Md2	10441	IS -23 S; -21.3 We: Em -53 d
10287	-360.7 35; -363.5 W3; -367.2 V2	10444	-26.4 V4; -23v S4; -11.2 W2: SB: IS W3
10295	-5 19; +10 L2; -26 VI	10446	-9.3 W3; -10.0 V2
10300	-125 L5; -175 W1	10447	-65.8 L17; -64.7 L(K)6; -65.8 Pm2
10302	-13.0 L6; -6.0 W2: IS -8 L; -13.5 W	10451	-15.3 S4; -16.2 V4
10300	-25.4 V6; -28.6 W3	10452	IS -9.4 W2; -8.5, -53.3 We
10310	+24.6 L8; +25.0 C3	10454	Sp A8-G0
10312	-18.0 L5; -15.8 W2: IS W1	10455	Light variation doubtful
10313	-283 L3; -23.9 W3	10456	+17.1 W7; -5v Y6; -2.7 L3; -21 VI
10316	VeL based on measures of 76 lines of FeI, FeII, and TiII: Em H -46; Fe -44; nek -42: A recurring no γ a	10459	SB: -1.4 W7; +7 L5; +7.0 V4: IS -12.8 W3; -8.5 We
10317	Sp F9-G7	10460	-30.9 L4; -32.2 W0; -29.3 VI
10319	Two sets of Lick measures of this star, -22 \gg 1 \pm 2.9 6 (published) and +1.1*1.9 8 (unpublished), both by Neubauer	10461	-27.2 L4; -42 VI
10320	-56.2 V19; -43.5 Y4; -65 LI	10489	-12.6 L5; -8.9 W3
10323	-8.5 L6; -4.8 Y5; -6.2 V2; -12.8 ?n3	10472	SB: -10.4 L6; +15 W2: IS -11 L; -9 W
		10475	-14.3 Y10; -16.2 V8; -14.0 W6
		10479	-40.7 L9; -41.4 W3; -34.1 V2
		10485	-36.4 D5; -40 \gg 4 S3
		10488	+15.3 V9; +4.4 W7: IS -7.5 W; -7.4, -18.9 We

10493	-10 L9; -2 W2: IS W3	10666	-27.4 S3; -31 VI
10496	0 L2; -7 W1: IS W3	10672	EA 180: Orbits -8.2 Y21 (Kohl); -2.7 Wc20 (Lowen): Vel. of system may vary: IS -8.1 W7; -7.4 Wc19; -19, +11.3, +28.1 We
10498	-20.0 W2; -23 L2	10678	-21.7 D5; -20.3 83
10500	-10.8 L8; -5 W2: IS -16 L4; -3 W2	10698	-7.7 W6; -4.2 L4: IS +0.2 W2; -9.3, +28.9, +8.4 We
10501	-16 W3; -16 L2	10699	-10.4 L6; +5v W3: SB (85): IS -6 L5; -10.5, +26.1, +9.8 We
10504	+3 W3; +8 L2: IS W2	10709	P304
10510	+95v W4; -24 L2: IS W3	10716	-15.4 L6; -13 Md2: IS Md2
10513	-11 W2; -43 L1: IS W3	10719	P196: Em MiW5
10514	-13 L3; -16 W2	10726	+23.0 D4; +22.8 W2
10519	Orb. Curtiss: Sp F5-G8	10727	-35.4 L5; -35.5 W3
10520	-17.1 L5; -24 Md2: 13 -17 Md2; -10 LI	10733	Sp G3-K6
10521	+2.3 D4; +1.2 W3; +0.8 S3	10734	-20.4 W7; -21.0 V6; -20.8 Y5; -19.8 L4
10522	IS -4.7 V3; -11.9 W2; -11.6, +12.6 We	10736	P151
10523	+3.4 V5; +6 LI; -1 W1: IS -6.7, -23 We; -10.5 W3	10737	+0.1 L9; 0.0 C3; +6.0 W3
10525	+34 W4; +34 Md2	10740	Orbits +6 Cd49 (Sahade); +14 L14 (Colacevich)
10528	+22.5 C32; +21.5 L12	10742	+14 V8; -11 L2: IS -11.3 W3; -9.4, -35.1 We
10527	-31.8 V6; -37.8 S3	10744	-6.9 L9; -13.2 W1: IS -25 L8; -11.4 W1
10530	-11 W4; -17 L2	10745	-6.6 L9; -3.4 W5: IS -11 L9; -11.8 We
10531	(-5.6) W7; (-6.9) C3; (-3.8) B3; (-7.3) V2: Vel. of system probably varies.	10754	IS -2.0 Wc3; -19 L3
10532	-6.5 L3; -14.9 W9; -7.5 V2	10762	+22 L2; +37 W2: IS W2
10539	-124.1 W3; -123.2 S1	10763	+36 L3; -6 W2: IS We
10543	+2v S8; +36v V4	10764	-8.2 L9; +16v W4: IS -21 L6; -9.5, -35.1 We
10548	-14.9 L9; -18.2 C3	10770	NovaSgr 1947
10550	+5.6 V7; +11.4 W6; +12 L5	10775	+29 L2; +19 W2: IS W2
10551	-18.6 L3; -22.5 V7; -19.0 W5	10776	+21 L2; +9.1 W3: IS W2
10554	-13.9 L8; -5.2 W4: IS -21 L6; -12.5 W3; -9.4, +7.7 We	10781	E 29.7
10564	-3.5 L8; -0.5 B3	10786	-8.7 V6; -6.4 W3
10566	-24.4 Y34; -23.1 Pm14; -23.4 S10; -25.0 L4; -23.9 V2	10788	-7.9 D7; -6.4 35
10568	+0.6 L7; +0.6 D5; +0.4 V3; +0.9 W3; +2.6 B2	10790	-1.6 D5; -7.6 S5
10571	-19.5 D7; -21.4 S4; -10 V3	10791	-27.8 L6; -16 Md2; -8.5 W1: IS -18.4 W1; -30 L3; -29 Md2
10574	P260	10796	-1.3 L6; -14.0 W2: IS W2
10575	-30.2 D11; -28.3 Y5; -27.5 L4; -44.5 Vn4; -12 VI	10810	-19.8* C24; -20.0 L19
10581	+32.7 L3; +24.9 C3	10812	-34.8 D4; -36.0 W3
10582	-20.5 V8; -7 Y2	10813	-22.7 L5; -20.1 B4
10583	-15 V8; -17 Y3	10815	-32.0 L7; -38v W3
10586	-15.1 L7; -17.2 VT; -17.6 W3	10817	+5.1 L7; +5.8 B5
10587	Nova Her 1934: Em -25 c; em -33 from nebula surrounding nova (Humason)	10820	Orb. ten Bruggencate: Sp F5-G8
10590	-9.6 V6; -11.4 D4; -8.7 84	10823	Spencer Jones
10591	-6.9 V7; -6.4 W4	10825	+9.0 C12; +8.9 L9; +10.7 B4; +10.2 W3; +7.9 V2
10596	-15.7 S29; -14.3 L26; -13.3 Y9; -22.5 O9; -13.1 V3; -15.8 W3; -13.0 F3: IS -21 L8; -20.2 V6; -22.4 W4; -22.4 F3; -25.7, -7.0 We	10834	SB: IS Wc3; ftr. comp. -35.7
10597	-17.1 S24; -15.4 L5; -12.2 Y4; -19.8 O4; -16.1 W3; -15.3 VI	10835	Daniel, Jenkins; also -23 Pm17 Ludendorff
10599	-3.5 L1; +3.2 W1	10836	Orb. Sahade; earlier orb. +4,1 Sahade
10603	-16.7 W70; -10.2 Md 31: Orb. Bauer	10837	-33.4 V7; -16 Y4; -34 LI
10604	-14.6 V6; -20.9 W6	10852	-57.4 S5; -56.6 W3
10606	P165: Em MiW7	10854	+13.2 L3; +13.8 V6
10611	IS Md2	10861	-10.0 S7; -15.8 D6
10612	-14.2 V6; -15.8 S4; -16.6 W3"	10862	-18.3 L3; -19.0 V6; -19.2 W4
10614	-12.7 D5; -13.3 S3	10868	-6 L32; -4.0 C9
10616	-26.5 L5; -25.9 C3	10869	+0.6 VS; +4.4 W3
10621	-23.0 L6; -23 Md3: IS Md	10871	-19.2 Y32; +3 L4; +3 V2; +12 Vn2
10624	-19.7 V3; -17.7 W3	10873	-3 L5; +10 Lwl
10828	IS -20 L3; -24 Md2	10875	-58.2 L8; -50.3 C3; -55.3 B3; -55.6 W3; -57.5 V2
10631	+5.3 L4; +3.0 C3	10876	Orb. Struve
10648	-18.8 V6; -14.0 W4	10830	Vinter Hansen; also +32.8 Crawford
10650	-7.7 L24; -9.7 L(K)14; -11 L(Wr)3; -10,5 Pm4; -12 W1	10882	-22.0 39; -15.8 B4
10857	Sp F8-G5	10885	-11.1 84; -10.8 W3
10658	-1.1 L3; -1.4 V6; +3.7 W3	10886	Orb. Struve
		10837	-11.5 L9; -12.2 C4; -12,1 W3
		10888	IS -5.4 W4; -8,5, +81.3 We
		10892	-31,6 W1; -14.5 Y4

10896	E 11.1: Orb. Popper	11183	+2.6 W5; -4 Mdl
10899	+0.8 L5; +7.8 C4	11184	+16.5 W5; +3 Mdl
10900	-9.8 Y19; -20 V3; -21 L2	11185	-11.5 L6; -11.7 V4; -23.3 Y4; -2.2 W3; IS We
10901	-1.5 V11; -26.6 W4: Sp G0+A3	11186	Sp F5-G4
10910	Orb. Neubauer, Struve	11190	+23.9 Y10; +19.2 L6
10913	SB: +35 L7; +11 Md2: IS Mdl	11191	-10.4 S4; -15.1 V3
10919	P239	11193	-35.1 V3; -30 L1
10922	P318	11194	-26.4 Y24; -34.6 L16; -37.1 W3; -37.8 V2
10923	Triple system: Orb. Tilley, from MiYLW ob- servations; also -22.6 Y14; -19.3 V5	11195	-21.8 L18; -25.5 Y13; -26.5 V9
10925	SB (39)	11196	-3k4 V10; -23 L4
10927	-43.2 C16; -43.2 L9	11198	+10 L2; +14 VI
10928	-30.5 L8; -30.6 C3	11201	P327
10934	-17.7 D5; -20.4 W2	11203	Orb. Jordan
10941	+33.2 L5; +30.5 W5	11205	-28 S5; -16 Y5; -31 V3
10944	-50.6 L10; -20.4 Y7	11209	EA 262: Orb. Hiltner
10945	P342	11212	+23.2 S28; +22.2 L7; +26.2 C3; +23.2 B3; +20.6 W3; +23.0 VI
10959	IS -18.7 V; -16.5 We	11218	+18.5 W7; +14.8 VI
10970	Sp Fle-K5	11222	-16.9 L5; -14.1 B3; -17.2 W3
10973	Orb. Sanford	11223	-17.6 L5; -20.1 C3
10974	-47.7 W3; -50 Mdl; -38 L2	11226	V21, L11, B2
10977	-16.7 L9; -14.9 V9	11228	-45.1 L7; -48.0 Y5; -39.4 W3; -40.8 V2
10978	Sp F5-K2	11229	Orb. Sahade
10979	-35.8 L5; -37.8 W4; (-3.5) Y3	11230	+44.2 Mi437; +40.7 W12; +36.4 L4: Different lines of H em give different velocities, mean H57/3+37: Sp G0-M5
10985	-18.5 V6; -13.4 W3: IS -12.2 V3; -12.9 We	11240	-4.8 D4; +2.8 V3
10987	-11.2 V6; -8.2 S4	11247	IS -14.8 V; -16.6 We
10989	Sp F7-G5	11251	-18.8 W30 (Sanford); -18.6 D24 (Tanner)
11001	-2.7 C8; -0.5 L5	11256	Sp G2-G7
11007	IS -3 L6; -10.1 We	11261	-18.7 C5; -18.3 L4; -15.4 W4
11016	-4.2 S14; -12.3 L5; -11.2 W5; -12.2 Y4	11268	+2.8 L3; +2.2 V6; +4.0 W3; (-39.1) Vn3
11025	-11.3 L5; -13.6 W12; -13.7 B3	11270	-13.1 D5; -15.5 W3
11031	+6.7 L5; +6.7 C3	11281	-2 W4; +11.0 L3
11035	P258	11285	-16.1 W6; -17.6 V2: IS -17.6 We; -8.3 VI
11039	+35.6 L16; +38.8 B3	11289	+8.2 V7; +9.0 Y5; +14 L3
11044	-23.0 W3; -39 Md2	11290	Sp F8-G5
11046	-24.4 L4; -19.9 W3	11294	EA 12.9: Orbits -19.0 Mi501 (Rossiter); -21.2 Y121 (Sherman); -21.0 A64 (Curtiss); -15.4 Pk26 (Belopolsky): IS We5: A 11745A
11055	-162 L4; -135 Lw2	11295	-13 V4; -11 W3
11061	SB: IS We	11305	+28 W11; +11 L3
11067	-23 W3; -28 Md2	11312	-44.3 L4; -44.0 C3
11070	-21.6 L6; -23.4 W2	11313	-28.6 L4; -26.3 C1
11071	-26.6 W6; -11 L6; -30.1 V3	11314	+12.9 S4; +12.3 W3; +7.0 V3
11076	P328	11315	Orb. Cesco, Sahade
11077	-29.3 O8; -27.6 W7; -24.7 L4; -24.7 Y3	11324	-20.8 D6; -23.3 V3
11084	+6.9 D13; -31.6 V2	11325	-10.4 S3; -13.9 W3
11085	-13.9 L149; -14.1 Pk85; -12.9 Y25; -15.2 Mi20; -13.3 W9; -12.6 F13; -17.6 Pr3	11337	+2.8 W3; +0.5 V2
11087	Sp G5-K7	11338	V12, L5, B2
11092	P335: Em N115, W2	11344	-11.6 L8; -13.7 C3
11093	+29.4 L4; +25.0 C1	11345	Orb. McKellar
11097	-5.8 W3; -6 L2	11346	Orb. Struve
11100	-18.8 V5; -20 W2	11348	Orb. Jacobsen: Sp F5-G5
11112	-16.9 L8; -16.9 C3	11350	-1.1 L4; +2.0 Y3; -6.3 W3
11117	V6* W4: Large range in vel.	11351	-9.6 V6; -14.8 W3
11124	-11.2 L4; -14 VI	11352	Orb. Jordan: IS We
11132	P280	11358	-107.8 L7; -115.5 C3
11137	Sp G5-M	11359	-12.1 L8; -6.8 Y3
11139	-29.0 L6; +26 W8; +26 Md2: IS -15 L5; +8 Md2	11361	+10.3 D5; +15.7 W3
11149	Sp GO-M0	11371	-82 L10; -95 W2: SB (200) 2-sp: IS +6.4 L; +3.0 W
11154	-25.7 D4; -24.6 W3	11372	+22.0 V4; +23.0 W3
11158	-10.0 L6; -11.6 C4	11373	-13.4 W9; -24.7 S4
11162	Sp F9-G5	11374	-17.0 V8; -26.5 W3: IS -24.3 V; -240 W1
11164	-6 W3; +2 L1	11381	-14 L2; -30 VI
11165	P246		
11171	-16.9 L5; -19.1 C3		
11178	SB (120)		
11179	-3.7 W7; -2.3 W5		

11383	-12.2 V6; -11.0 W3	11576	+23.0 L8; +26.5 W1: IS +6.2 L; +2.4 W1
11384	-41.3 L9; -50.8 Y4; -56.7 VI	11578	+21.7 L5; +19.3 C5
11385	-42 L3; -63 Y4; -54.3 VI	11585	SB: -19.7 W50; -27.8 L4: IS -6.8 W3; -7.1 We
11386	-22.6 S4; -32.8 V2	11587	-30.5 W4; -8.8 Y4; -23 L3; -9.8 V3: IS We
11388	-27.8 W39; -27.4 L31; -32.2 A18; -28.2 D4	11592	Sp F8-K0
11390	-25.8 D6; -23.0 S5	11601	-10.8 D6; -2.1 S5
11393	+180.7 L4; +179.0 C2	11607	-53.8 V7; -39.2 L7; -50.9 W5; -42.9 Y3
11395	-93.1 L5; -92.6 C3; -91.1 W3	11608	+2.7 C5; +2.9 L4
11398	IS -3 L6; -8.2, -86.9, +15.7 We	11611	-10.0 C22; -10.2 L14
11399	-20.1 L5; -19.4 C4	11614	-17.1 V4; +3.1 W3
11403	+24 L2; +18 VI	11620	P374
11406	-47.8 L3; -49.7 V4; -43.3 W3; -46.7 S2	11638	Bordeaux Astr. Chart 516, Star 209
11408	+23.9 V8; +3.9 L8: IS -13.8 V; -7.4 We	11653	-14.9 V6; -18 L4; -10.6 Y3; -15.4 W3: IS -13.3, -24.2 We
11417	Vel. of center of mass varies: W38, L17, V6	11654	P315
11423	-35 W7; -6 F2	11666	P370
11424	-35.1 W3; -37 VI	11667	-16.6 L3; -12.9 W3
11425	Sp G5-K0	11674	-3.5 L3; -5.4 V6
11426	+14.5 V6; +13.8 W3; +13.0 Y2	11675	-32.1 W3; -26 L2; -29 VI
11430	-7.5 L4; -12.5 W3; -19.S Y3	11877	P301
11432	Sp F8-G5	11678	-4.5 S14; -8.4 V6; -4.8 L3; -3.5 Y3
11433	-8.6 V6; -7.2 W3	11384	P334
11434	+16.1 L3; +16.0 Y4	11687	-7.7 D28; -8.7 L9; -7.1 V7; -7.8 Y5; -13.6 O5; -11.5 W1: IS -12.6 D; -12.5 W3: A 12197A
11435	-38.2 D5; -39.2 W4; -42.8 S3	11694	+25.2 L9; +25.2 B4; +27.6 Cs5; +22.7 V2
11435	-22.5 V5; -23 W2: IS -19.7 V3; -4.8 W2	11697	P4S9
11437	-20.7 Y90; -20.4 L5; -22.5 V4	11693	+5.9 L4; +7.9 C1
11439	-40.5 D6; -36.8 S3	11704	-11 D5; -10 S5
11441	-51.6 L6; -40.7 B6	11705	-28.1 L3; -29.1 V6; -22.7 W4
11443	-11.7 W6; -18.2 V4	11707	-23.9 W5; -19.9 Y3; -26.S VI
11448	-21.1 L5; -31.2 C6	11709	P392
11451	P288	11711	-60.6 D4; -65.5 V3
11452	-52.5 D4; -49.5 W2	11716	P269
11455	-16.1 L3; -15.1 V6	11719	-13.4 D4; -18.2 S4
11457	Ori	11722	+8.8 D5; +8.7 S5
11463	P395	11723	-25.4 V8; -16.8 L4; -20.6 Y3
11470	-20.7 W5; -23.2 L4; -12.5 Y4	11724	-21.5 Y13; -16.1 V7; -41.7 O7; -4.2 L5: IS We
11472	-44.3 L6; -40.4 B2	11727	-22.2 V7; -8.9 Y3; -23.5 L2
11474	-25.8 S4; -30.0 V3	11733	+33 W3; +35 Md2
11475	SB: IS We	11736	-182 L4; -40 W1
11476	Crb. Millman: IS We	11738	-30.5 L5; -29.6 B6; -30.7 W5; -32.0 V3
11477	-13.0 V6; -18.6 L5; -6.3 Y3: IS We	11742	+15.8 L4; +14.8 C3; +15.3 W5
11480	-20.8 D4; -14.3 W3	11743	-31.5 V4; -28.8 D4
11483	P251	11747	-45.0 V6; -44.6 W4
11488	+8.8 VS; +11.8 W2	11748	-16.2 L5; -16.2 W4; -3.9 Y4; -16.1 V3
11495	IS -17.2 V; -16.2 We	11750	Orb. StillweU
11497	+13.8 L4; +3.9 Y4; +5.2 W4; +8.8 VI	11751	+1.1 V9; -1.7 W3; -11.3 L3; +22.8 Y3: IS -15.0 We; -11.0 W2
11498	-28.5 V6; -27.8 W3	11756	-29.2 L11; -27.8 B4; -30.0 V2
11505	-42.7 S4; -33.2 Y3; -38.4 VI	11757	-24.2 L4; -23.3 W3
11523	+25.8 L5; +24.7 O4	11758	-25.0 D5; -27.7 V4
11525	Irr: +36 W6; +43 L3: IS W	11765	-46 W4; -37.3 L3
11528	-64.6 D5; -73.2 S3	11773	P231
11531	Sp G0-K5	11774	-29.6 L6; -30.1 B3; -25.7 W3
11532	-18.4 S5; -13.9 D5	11775	Orbits -19.1 A85 (Fowler); -15.1 W43 (Jfay)
11533	-58.5 W6; -58 VI	11777	P450
11538	-15.0 D5; -9.0 S5	11779	IS +11 L5; +11 W5; (-4.3, +35-4) We: Nowa Aqi 1945
11541	-20 W4; -37 Y2	11781	IS -25 V; -13.3 We
11543	-51.0 L6; -53.7 C3	11785	P279
11545	+6.8 W5; +3.9 VI	11780	+4.8 L5; -0.7 V6; +6.8 Y3
11547	-29.3 O12; -17.6 Y6; -26.2 L5; -26.3 V4; -35.4 VE3	11794	-18.2 L4; -18.9 C3
11554	+27.2 L8; +40 Md2: - IS +22.9 L; +14 lid	11799	-28.4 W7; -31.2 L4
11555	-2.9 Y ^{1?} ; -28.1 L7; -19.5 VI; -2.4 Vn3	11800	+2.9 L3; +1 VI
11557	-27 V8; -23 L4; -14 Y2		
11558	+44.7 C23; +48.0 L5		
11562	P300		
11587	-20.5 S4; -23.0 W4; -24.2 VI		
11571	-23.8 W3; -18.7 V2; -8.8 Y1		
11572	Orb. Boothroyd		

11802	P456	11991	-9.1 D5; -11.7 S4; -10.1 VI
11806	Sp G0-G5	12010	-20.6 L6; -26.5 Y3; -19.6 O3
11807	+1.8 L4; -1.0 V2	12012	-15.8 Y9; -28.0 V9; -19.3 L3; -5 W3; IS -9.2 Y; -5.1 V8; -12.1, +8.2 We; -14 W1
11810	Orbits +8.4 L36 (Wilson); +8.4 V24 (Plaskett); IS -4.5 W3; -11.6, +4.4 We	12014	Orb. Sanford: Sp F8-K0
11813	-18.4 W3; -21.7 D3	12016	+9.3 D5; +8.3 W3
11817	Orb. Plaskett	12017	-25.3 S4; -14.7 W3
11823	-37.7 810; -9.6 D5	12020	-32.4 V6; -33.6 W3
11825	-43.8 Mi5; -49.3 W5	12022	-27.9 L5; -28.9 B4; -26.4 W4; -31.1 VI
11826	-27.7 L5; -29.8 Y5; -29.2 VI	12023	-38.8 S4; -37.8 W3
11828	+4 L5; -4.7 W4 •	12027	P425: Em -46 W10; -34 LI
11833	-13.1 Y13; -10.0 S6; -12.2 W5; -13.2 L4; -10.0 VI	12029	P326
11834	+12.2 D4; +4.0 S4	12038	Orbits -5.0 A65 (Jordan); -4.5 Y53 (Luyten, Struve, Morgan): IS -12.6 A; -16.8 W3; -13.3 We
11847	Em +6; neb. em -4	12040	Sp G5-K0
11852	-23.0 L6; -15.7 Y5; (-47.4) O2: IS We	12042	-0.4 D5; -5.9 W3
11855	-2.0 V6; +3.1 W3	12046	+6.0 L27; +5.5 B6; +4.7 VI
11859	-10v V2; +18 W1	12052	-21.5 Y3; -26.5 L7; -38.8 W3
11861	-100.6 L4; -98.2 W3; -99.8 V2	12053	-58.4 L4; -57.3 C2; -56.0 W3
11863	-25.3 L14; -31.5 O36; -41.4 O27 (1922); -43 Pm4	12054	+1.6 L6; +3.2 B4; +1.5 S3; -1.8 V3
11869	-5.1 W3; -4.8 V3	12056	-7.7 D5; -13.7 V3
11870	+12.4 L3; +7 W2	12055	+5.6 V11; +4.4 W5: IS -2.8 V; -9.9 W; -11.0 We
11873	-58.7 L33 Orb. Kiess; -70 MdSOO; -74.2 W20; -78 We42	12061	P219
11874	-0.4 L5; -1.4 Y4; -3.2 W2; -3.0 VI; +0.4 SI	12064	-16.4 L6; -1.0 V4
11875	-29.7 V8; -13.1 W7	12066	EA 2.51: Orb. Hill: IS -21.4 V; -13.9 W2; -13.4 We
11876	-34.6 S4; -34.4 W4	12067	-22.4 L6; -20.9 E3; -22.4 VI
11879	-26.7 V19; -10.3 L3; -11.7 Y3	12069	-4.2 D4; -1.8 W2
11889	+12.5 W13; +13.0 V5: IS +0.3 WS; -7.5, +41.6 We	12073	-20.4 L3; -20.2 W5; -20.6 V3
11898	IS -22.5 V; -23.1 We	12074	-1.2 D5; -3.3 V4
11903	+0.5 V39; +4.6 W7	12075	-18 Y4; -43.7 L3
11905	-14.1 D4; -14.3 S3	12C79	-20.8 L6; -27.0 W3; -21.7 VI: HD F5+A3
11908	+16.8 W4; -5 V2	12083	-26.3 W3; -26.2 V2
11909	-85.5 L5; -85.7 W4; -84.4 V2	12084	-29.1 V3; -28.0 W3
11912	Orb. Sanford	12087	+12.5 L4; +13.8 Y2
11918	-40.6 V6; -40.0 W3	12093	-25.7 D4; -28.7 W3
11924	-11.3 W3; -11.4 S3	12101	HD KO+A
11923	-7.5 L5; -21 VI	12104	P190: Em -126 YMi6; -126 W2
11931	-10.4 L4; -11.3 C3; -12.4 W3	12109	-24.3 L3; -23.9 V6; -26.1 W3
11932	-42.1 V24; -38 Md2	12110	+3.4 V4; -1.7 W3
11936	-18.5 O9; -25.0 YS; -18.0 L4; -13.3 V2 (-46.9) Vn3	12115	Orb. Helierich: 3p F0-G1
11939	-24.0 L29; -22.8 B4; -22.3 C3; -22.5 Cs5; -23.3 W5; -22.6 VI: HD K0+A0	12116	+21.5 L6; +27.7 W2, IS W2
11941	-13.6 W4; -23 L3	12120	-98.1 D4; -92.6 W2
11942	+8.0 W4; +1.3 S3; +14.2 V2	12123	HD F5+B8
11945	+2.6 W4; -5.0 S4	12124	-6.3 L7; -5.3 L(K)4; -8.0 W1
11951	-31.0 O16 (1922); -22.9 L5; -19.7 Y5; -26.2 W2; -21.8 VI: IS -23.3 Y; -24.2 W2; -15.0 We	12126	-20.6 Y8; -19 L6; -26 W3; -18.6 V2; (-36.5) Vn3
11952	-9.3 V6; -8.4 W2	12127	+20.9 L6; +19.9 C4; +16.5 W4
11981	-2.9 V4; -15.1 W4: [S -8.1 W3; -10.5 VI; -11.2 We	12134	Sp cG6e-M3
11984	Sp A0-A8	12137	-2.4 L13; -2.8 S19; -1.7 Y11; -1.2 Pk10; 0.0 W15; -0.6 B6; -3.0 C4; -1.9 Cm4; -2.1 Lw3; -1.7 O5; -2.2 V2
11965	+18 L3; +20 VU	12142	-20.2 V6; -18.1 W3
11968	-162.3 W4; -170.3 VI	12150	+4.9 L7; +5.5 B4; +1.4 W3; +3.2 VI
11971	-24.8 LS; -20.7 B5; -24.8 ¥1	12152	+15.1 D4; +9.2 S3
11976	+15 L2; +24.0 W2	12155	P219
11977	-7.8 D5; -10.2 W3	12158	P244
11973	-303 L3; -31.1 C3	12160	+3 L20; +1.5 VIS; -2.2 C3; +8.4 B3; +1.2 W6
11979	-4.5 L4; +19.9 Y4; +1.4 W4	12162	Sp cG5e-M2
11981	*26»6 LS; +27.8 B3; +29.8 W4; +23.8 V2	12163	-16.7 84; -17.3 W3
11984	-II V18; -17.2 L3; -12.5 W3: HD F5-A0	12164	-35.9 B6; -32.8 W3
11987	-44.5 L4; -47 W2	12165	+7.8 D5; -1.6 W4
11SBS	-2.2 L4; +4.1 Y4; -1.8 V3	12172	Sp F2+A2
		12173	Sp G9-M2

12175	IS +3.9 L; -6.8 W2	12310	Sp G0-K5
12178	Orb. Lowen: IS Wc18	12311	-32.7 L3; -15.1 Y3; -30.3 V2
12179	-16.6 L5; +7.1 Y5; -16.0 V2	12312	Orb. Millman
12181	IS -12.3 V; -14.3 We	12315	-47.4 L10; -50.3 C6
12184	+4.1 D5; -1.1 S2	12316	-4.1 D5; -12.5 V3; -5 W3
12185	Sp G5-K4	12317	P413
12190	IS -7.4 V5; -3.4 We; -1.9 W1	12318	Wilson, Buffer
12193	-28.9 M18; -20.2 L12; -39.1 Y4; -30 VI; -28 W1	12320	-34.1 L5; -29.3 B5; -31.6 C3; -36.2 VI
12194	+3.1 L9; +4.6 B7	12325	-0.2 W5; -8.3 Y3; -15.0 L3
12195	Comb, sp Pec+gM4: +13.5 W5; +14.1 Wc3	12333	-1.8 L3; -15.7 W3
12200	-0.4 W13; +0.7 L3; -2.9 V6	12334	Nova Cyg 1920
12201	P407: -2.3 W24; +0.1 Pm4: Em -15.2 W29; -20.4 Pm4; -17 Mi2	12336	Dumbbell neb.: -37 L5; -63 W1
12202	Sp G2-G6	12345	-15.1 V7; -17.8 W5
12204	-39.4 L4; -36.3 W3	12350	SB: -11.7 V9; +4.2 L5; +4.4 Y3
12207	EA 12.4: Orb. Harper; also -4 Md 43: IS -16.2 V86; -16.2 We; -18.2 W1	12353	+0.8 S6; +6.2 D5
12208	-32.0 V6; -28.6 L4; -4.1 Y4	12361	-36.8 D4; -40.5 W3
12209	-14.2 D4; -16.8 W2	12373	-22.5 L5; -13.7 S4; -20.2 V3; -21.5 Y3
12211	P348	12379	+11.5 L3; +9.5 C3; +7.6 W4
12213	-20.2 L3; -20.9 V7; -16.5 W3	12385	-22.9 Y6; -33.8 W4; -50 L3
12214	Sp F7-K0	12387	+0.8 L5; +0.3 V6; +2.3 W3
12216	+8.2 D6; +6 W3; +0.7 V2	12388	P262
12217	-21.9 D4; -13.7 V3	12392	+16.1 V5; +14.9 W2: IS -6.2 V4; -6.0 W3; -7.2 We
12219	-5.2 Pn6; +0.7 S4; -4.7 VI	12400	-12.1 S7; -28.3 D4
12220	Orb. Wright: Sp F6-G4	12403	-34.1 L3; -34.6 W3
12221	Nova Aql 1943	12405	-69.9 V5; -66.5 W3
12222	+17.8 V14; -1.1 W10; +2.9 Mi5: IS -5.0 V12; -5.8 W3; -8.0 We	12409	-21.3 S24; -27.3 V6; -20.2 L4; -16.9 Y3
12225	Orb. Popper	12412	+27.2 D5; +20.7 S3
12227	-6.7 V6; -5.4 W4: IS -8.6 V6; -12.5, -23.4 We	12413	-46.0 W3; -45.8 VI
12229	Nova Cyg 1948	12414	SB: -16.7 V12; -11.6 W1: IS -11.1 V13; -8.2 W13; -12.3 We
12230	IS -5.4 V; -14.3 We	12415	SB: -5.8 V18; -21.8 W1; IS -13.6 V; -7.8 W7; -10.7 We
12231	Sp FOp+A	12420	-1.8 W3; -4 VI
12234	P387	12423	-0.5 V3; +0.8 W3
12239	-26.1 Y25; -30.0 O6; -33.2 L4; -32.2 VI	12424	+2.7 W3; +4.7 V2; (+15) SI
12242	Sp G0+A2	12427	SB: IS 5
12243	IS -1*0.3 V; -15.3 We	12428	-17.6 D5; -17.6 S3
12247	+36.2 L9; +36.3 C4	12438	Orb. Struve
12248	-41.9 L5; -40.1 B3; -41.5 VI	12442	Sp F8-K0
12250	SB: -11 V6; +25 W2: IS We	12443	-9.4 L5; -7.0 B3
12251	SB: +3.8 V4; -13.4 W4: IS We	12445	+18.8 W13; +19.8 V8; +29.2 D5: IS [^] -13.8 V15; -12.5 W12; -11.4 We
12256	-15.5 V4; -17.5 S4	12447	-19.5 S4; -26.7 V3
12257	-20.6 V4; -34.0 Y4; -25.7 L3	12451	-40.5 L3; -40.7 V6; -39.2 W4
12258	-9 W6; -11 L4; -2.3 Y3; -2 VI	12453	-110.4 D4; -110.9 W2
12264	-21.3 L8; -19.5 C3	12456	+36.9 L6; +32.8 C2
12265	P335	12459	+2.8 V7; -4.0 W5: IS -14.3 V; -12.4 W
12266	-40.0 L7; -38.5 B4; -39.4 C3; -41.1 W5; -42.4 VI	12460	-21.5 L15; -22.8 C3
12269	-24.2 W3; -24.3 SI	12464	SB: -21.6 V5; -9.2 W4; -3 L2: IS -13.0 V; -11.6 W; -15.3 We
12272	-13.9 D6; -11 S5	12465	Orb. Wilson: Em gives a systematic vel. +88: IS -13.4 W74; -16.7 V; -17.7 We
12273	-20.4 W3; -32 VI	12466	-18.6 W3; -19.4 VI
12275	Orb. Herbig L121, Mi95; also -12.3 M1124 Aldrich; -9.6 V11; -10.3 W4	12467	-8.8 V7; -3.0 W6; -7 L2: IS -12.1 W11; -14.0 V; -18.5 We
12278	-16.8 C18; -15.0 L6	12468	-20 W4; -17 U: IS W9
12272	-22.2 W4; -21.8 L2	12469	-13 L3; -15 W2: IS WS
12283	-17.0 Y10; -30.8 W6; -38.3 L5; -32.5 O4; -27.6 V2	12470	-12.2 D4; -12-6 W3
12284	-18.6 D5; -17 W4	12472	P323
12288	-17 L5; -5.1 W5; -10 Y4; -12.0 V3	12473	-32.0 V3; -35.1 WS
12289	-26.3 L8; -25.3 B4	12477	EA 3.89: Orb. Pearce
12299	P394	12478	-12.0 V8; -4.6 W6; -3.0 L3; +4.0 Y3
12301	-6.4 L4; -0.9 Y4	12479	P356
12308	P241	12482	-41.0 W4; -42.3 VI
12308	-18.1 W3; -21.3 V3	12488	Orb. Strove
		12489	-32.3 S4; -22.3 V3

12490	-4.6 S4; -2.6 W3	12676	-4.0 V8; -11.2 W6; IS -13.1 V6; -12.9 W2; -12.6, -2.5, -39.9, -23.4 We
12492	Orb. Plaskett: IS V28	12677	-9.5 L4; -11.2 C3; -10.6 W9
12493	-23.4 W7; -25.9 V3	12678	-11.6 W4; -5.9 S4; -9.3 VI
12497	-17.9 W6; -7 VI	12680	-13 L23; -22.6 V10; -20.4 B4; -4.0 W3
12498	+13.4 D4; +10.4 W3	12684	Sp A0+G
12500	0 W2; -25 Md2: IS +1.4 W2; -37 Md2	12685	-6.0 W3; -4.5 V2
12508	Orb. Struve	12686	+25.9 D4; +22.2 W3
12510	-7 W2; -8 Md2: IS -13 W2; -16 Md2	12687	-2.8 W4; +4.7 V3
12511	-45 V7; -10 W2: IS -15.5 V5; -7.6 W2	12689	Orb. Plaskett: IS -11.1 V; -11.4, -20.5 We
12512	IS -16.7 V3; -12.2 W3	12692	Orb. Pearce
12514	Orb. Losh: IS -23.7 W2; -13.2, -23.2 We	12693	EA 4.21: Orbits +10 Md93 (Mtinch); +33 V55 (Keeping); -34 W42 (Wilson): Em +70, -40 (Mtinch); +55, +8 (Keeping); +56 (Wilson): IS -8.8 Md83; -8.6 W11
12521	-130.5 L4; -131.8 C2; -131.6 W3	12694	-8.6 D5; -9.4 S4; -8.2 V3
12529	IS -12.3 W6; -15.9 V5	12695	-2.8 L6; +3.9 Y6; -10.1 VI
12537	-30.5 A89 (Baker); -25.9 O20 (Harper); -25.0 Y29 (Luyten, Struve, Morgan); -27.9 Mdl2 (Cesco, Struve)	12699	-27.2 D5; -27.5 S3
12542	-9.2 S6; -14.9 D5	12701	P462: Also (+28.0) L3
12546	IS -6.4 V; -8.8 We	12702	-30.0 D5; -33.6 W3
12550	P146	12703	Star A -18.9 WHS (Sanford); -18.8 L48 (Mer- rill); -19.0 C17 (Spencer Jones): B+C -18.9 W71 (Sanford): Star B has sp B8 and a variable vel. about the center mass of the system with a semiamplitude of 38 km/sec.
12561	-20.0 S4; -25 W4	12704	0.0 W5; -5.5 V2
12565	IS -18.3 W5; -16.5 V3	12706	+25.1 V35; -10 W3; -28 LI: IS -21.4 V30; -12.4 W9; -12.6 We
12567	IS -18.3 V7; -18.2 W6; -13.9, -43.0 We	12707	-39 V4; +2 Vn2
12568	P274	12715	Em NIV and NV give -110: Orb. Hiltner
12569	Sp F8-G1	12719	-15 L5; -13 Y4; -9.1 W4: IS -6.0 W3; -8.4 We
12575	-21.8 Y6; -22.6 L5	12723	-6.4 B12; -5.4 L9; -11.9 Pr11; -6.3 W12; -4.1 Cs9; -9.6 MilO; -9.4 Pm2; -4.8 S6; -9.3 F2
12578	-38.1 V5; -35.9 W2: IS -25.0 V; -20.2 W	12724	-23.7 V4; -28.4 W3
12579	-17.3 V9; -15.1 W3; -12.9 Vn2	12725	+31.9 D4; +30.4 W3
12585	-39.5 S4; -33.9 V2	12727	+3.5 V4; +3.9 D4; -2.2 S4
12587	P208	12730	-171.0 W5; -178 Mdl
12588	SR 416: -49 W3; -45.0 L2	12731	-11.6 L4; -12.3 V6
12594	-22 L4; -24 V2; -16 Y2	12736	-20 L2; -19 VI
12595	Orb. Sanford: Sp G2-K0	12738	-14 W3; -76 LI: IS W3
12597	-25.8 L8; -20.0 Y3; -16.9 W3; -25.3 VI	12739	-38 W2; -39 L2: IS W4
12599	Orb. Vinter Hansen: Sp K1+B8	12740	-29.4 W9; -30.2 V5; -38 L3: IS -11.2 W7; -12.8 V5; -9.8 We: Also -54.8 We, -53 W2
12601	Sp G2-G3	12743	-13.9 L8; -13.5 B3; -19.4 V2
12602	-58.3 W3; -48.5 L2	12744	SB 2-sp: -43.0 V5; -9.0 S4; -41 W3: IS -21.8 V; -15.3 We
12604	+3.8 V6; -9.3 L3; +22.8 Y3	12746	-38 L2; -21 W1: IS W3
12607	-29 Y4; -13 VI	12748	-43 L3; -14 W2: IS W4
12613	P285	12750	-29 L2; -34 W2: IS W4
12614	P129	12751	-18 L2; -15 W2: IS W2
12617	-22.3 L7; -13.4 W4; -12.0 Y3; -11.1 VI	12752	-24 L4; +20 W1: IS W2
12618	IS -17.1 V3; -11.7 W2	12771	-15.0 L4; -18.4 W4; -2.2 Y3
12619	IS -13.0 V2; -16.4 W1	12782	-20.8 W4; -20.6 V3: Sp F0+A0
12621	Sp F5-G1	12784	-3.8 V9; +2 W4; +6.3 L3; +3.8 Y2
12622	+42.8 L6; +40.7 L(K)2; +38 W1	12787	IS -12.6 V; -12.3 We
12623	-31.5 D5; -16.5 S5	12780	+19.5 L8; +14.6 W5
12625	-5.0 Y5; +2 L2; +0.3 O2; IS We	12797	-24.1 L4; -23.1 C3; -20.8 W4
12627	Orb. Struve	12802	-18.6 L7; -18.6 S24; -19.9 B3; -18.8 W4; -18.1 VI
12630	-7.9 S4; -10.6 W3	12809	-15.3 S4; -16.7 V3
12631	P412	12816	-14 L5; -31.0 Y4: IS -8.8, -21.4 We
12634	+2.6 L5; +5.0 B3	12818	-2.1 L7; -12.8 Y5; -24.1 Vn2; +2.2 VI
12635	-5 L2; -18 VI	12821	SB: -23.5 V6; -4G _Q W2: IS -14.3 V11; -11.0 WS; -13.3, -50.2 We
12638	Sp K0+A3	12825	+5.3 V4; +5 W4
12647	-14.8 W5; +2.0 S5	12835	-06.0 V0; -61.4 W3
12650	P308	12842	-43.9 V6; -42.3 W4
12651	-57 L2; -54 VI		
12054	+15.3 L3; +12.2 V3; +17J W3		
12655	+18 W4; +23 L2: IS -13.5 W4; -13.8 We		
12656	-34 L2; -3 W2: IS W2		
12657	-47 W4; -81 L2: IS W4		
12658	+20.3 W5; +16.0 Sb; +19.5 B4; +15 MM		
12659	-25J L9; -20.8 C3; (-15) V2		
12S64	-19.1 L3; -21.4 V6; -15.2 Y1		
12665	IS -20.3 V2; -19.4 W2		
12666	+0.1 L8; +1.0 C7		
1267S	Shell star: Vel. from em only; -§ 11188; -10.3 WS; -7.9 L5; -7 Bh 3: IS -15.7 WS; -14.8 V4; -18.6, -10.8 We; -17 LI; -10 Y1; -18.2 FI		

12843	P304	13022	-87.0 L7; -86.0 B4; -90.4 VI
12848	-18.0 L12; -22.6 S8; -27.8 07(1922); -19.9 Y6; -19.3 VI	13023	Sp F8-G5
12851	-11.4 W3; -7.8v V3	13024	P244
12853	P334	13025	-7.4 L3; -7.3 W4; -10.0 V3
12854	Sp F8-G8	13026	-6.5 L11; -7.1 B5; -4.7 C3; -5.6 W3; -7.9 V2
12858	-3.9 D4; -6.8 W4	13029	+18.4 L4; +19.8 C2
12861	-21.4 L4; -11.8 Y3	13032	-12.3 D4; -7.2 V3
12863	-358 L4; -365 Lw1	13033	-14.6 L14; -19.1 Y5; -14.1 W1; -20 VI
12866	-4.4 L10; -3.0 W6; -6.0 VI: Sp K5+A3	13037	-22.5 L3; -23.7 W2
12871	+10.2 L7; +4.4 V6; +15.3 Y3; (-13.4) Vn3	13039	-6.2 V6; -12.1 Y3
12872	+101 W3; +26 Md2	13044	SB: -16.0 L9; -21.1 Y6; -37.1 V6: IS -3.0 Y; -27.7 V; -10.9 W2; -12.0 We
12880	-25.9 L2; -26 VI	13045	P536
12881	-23.8 L5; -21.3 Y3; -27.8 W3; -31.7 VI	13053	Orb. Christie: HD F5+A3
12888	-1.8 L9; 0.0 C6	13054	-30.1 W8; -29.5 V6
12889	-9.1 C6; -9.1 L4; -10.9 W3	13057	-82.6 W3; -90 L2
12894	Orb. Sanford: Sp G5-K5	13060	-4 L2; +4 VI
12901	P430	13065	-7.7 Y9; -3.9 L5; -9.7 W5; -24.8 04(1922): IS -7.8 Y; -15.4 W6; -7.2 V2; -13.3, -5.8 We
12902	Orbits -21.0 Y25 (Chang); -23.7 L13 (Chang): Also -24.8 C3; -27.5 B3; -21.5 V2	13066	+1.7 V6; +0.8 W3
12904	EB 0.72: Orb. Pearce	13069	P202
12905	Orb. Struve	13078	-24.8 V7; -24.5 L4; -12.3 Y4
12907	-11.0 L2; -20 VI	13081	-30.4 D4; -26.6 W2
12908	-15 S5; -25.6 V3	13083	-24.2 V3; -26.6 W3
12910	-0.8 V4; +1.8 W3	13085	+11.4 L13; +7.0 C7; +5.3 W3
12911	-63.3 D4; -67.0 W4	13088	Orbits -1.4 (Beal); -1.3 (Albrecht): Sp F3-G5
12921	-19.1 37; -16.0 Y6; -15.8 L4; -19.2 W4; -25.5 V2	13089	-3.6 L5; -4.2 W4; +6.4 Y3
12922	-29.2 V8; -13.0 L3; -14.8 Y3: IS We	13090	Orb. Jacobsen, Kraft
12923	-13.1 V7; -17.1 W4	13092	-26.3 V6; -27.2 W3
12924	+11v W5; -1 VI: Sp K0+A3	13093	-9.5 L7; -10.2 V2; -6.1 W2
12925	-1.2 L4; -19.7 Y3	13095	-21.8 V5; -14.1 D5: IS V
12929	P156	13096	-0.5 L6; +2.6 B5; +3.8 W6; -5.7 VI
12930	-52.6 L5; -52.9 B5; -50.4 W10; -53.4 SI	13097	EA 3.00: VeL of center of mass varies, -51.8(1919-21), -61.8(1928-29): IS -9.7 V; -7.6, -32.3 We
12931	+4.2 V4; -2.0 W3: IS We	13107	-274 L4; -180 W1
12932	-20.6 S3; -21.1 W3	13108	-4.7 L13; -6.2 C2
12933	-41.8 L4; -45.4 W3	13112	Orbits -16.2 A30 (Baker); -18.3 V36 (Pearce); -24.0 Y48 (Luyten, Struve, Morgan): IS We
12934	+12.4 V6; +13.2 W3	13114	-26.5 W4; -19.6 D4
12937	PI39	13116	-9.9 D5; -7.5 W5; -8.5 S4
12941	-10.6 L4; -15.3 C2; -12.3 W3	13117	-195.0 W6; -196 VI
12943	-9.5 L10; -4.1 S6; -0.4 Y4	13125	-7.1 V23; -25.4 D8: IS We
12947	+15.4 L2; +14 VI	13129	+8.2 L3; +9.2 D4; +8.7 W3
12953	EB 0.28	13130	+7.8 W3; -0.8 V2: Sp F2+A2
12954	-31.0 W4; -35.2 33	13132	P280
12958	-25v S4; -30 V3	13139	P560
12968	-12.0 W3; -14.9 V2	13140	-30.7 V6; -30.5 W6
12970	P420	13141	-10.5 L3; -11.2 V6; -8.0 W3
12971	-3.1 L794; -SS Y73; -2.9 W26; -6.6 Pk13; -7.6 Pr4; -3.4 Pm3; -2.7 VI: IS -6.5 W5. -13.8, -25.7 We	13151	-14.2 W8; -21.0 Y3: IS -15.8 W4; -14.5 We (-19.5, -8.7, +24.9, +43.8)
12980	-7.2 W6; -6.2 V5	13156	Sp A5-F0
12982	-3.2 L5; -2.6 W4; -5.5 Y3: IS -18.8 L; -12.5 We	13160	Orb. Plaskett: IS -11.3 V34; -1S.4 W5; -13.2 We
12984	P277	13161	-19.6 D5; -7.6 W3
12987	+10.0 Y95; +7.5 S17; +8.3 L5; +9.8 VI	13164	-30.6 O7; -35.1 V5; -11.6 Y§; -30.0 L3; -29 W3
12989	Orb. Duncan: Sp F7-K0	13170	-2.1 34; +3.7 W3"
12994	SB: -10.7 V8; -24.9 W4: IS V	13172	-21.9 V6; -19.4 W5
13004	+29.6 L4; +36.1 B3	13176	-13.5 87; -9.4 D6
13005	P332	13178	-23.3 L5; -14 W5; -27.4 Y3
13006	-27.3 D5; -25.0 W2	13182	+1.7 D4; 0.0 S6
18008	+26.0 L9; +24.6 CB	13184	-25 W4; -23 V3
13009	-19.6 D4; -21.0 W2	13191	SB: +10.5 ICL12; -4.0 L5; +8.9 Y3; -32.5 V3: IS -17.2 W2; -17.3 We
13012	-1.0 L5; -0.8 B3; -0.4 Y2	13195	-18.6 W8; .14,2 V0
13016	P380		
18019	-32.3 L7; -30.3 B3; -27.8 W3; -31.8 VI		
19020	-10 L40; -10.0 O5§; -12.7 B6; -13.0 Cs5; -8.3 W3		

13197	Sp F5-G6	13376	-3.8 MilOO Orb. Henroteau; -5 L22; -3.5 Y6; +1.5 W6; -6.5 VI: IS -6.9 W6; -12.9 We
13202	-348 L4; -350 W1	13381	-18.4 VS; -20.0 W3
13205	-7.4 S5; -12 W4	13383	SB: +6.8 L10; -14.1 Y5; -16.3 O3: IS -16.3 We; -15.9 W2: Em dbl -78.8, +87.6 L30
13206	P278	13384	Orb. Sanford: IS -18.8 V20; -18.9 W19
13207	-4 V9; -24 W5; -20 L3; +3 Y3; IS -9.9 V6; -4 W1; -15.9 We	13386	Wilson
13214	P534	13394	+4.0 V27; -19 W5; -11.5 Mi4; +12.9 Y3; +25 LI: IS -12.9 V30; -14.2 W8; -13.6 We; -12.1 Mi4; -18.3 Y
13217	-9.9 V6; -7.4 W3	13399	+4.8 D5; +2.2 S3
13225	-4.1 W39; +0.6 V4	13400	-45 L2; -37 VI
13226	-17.8 V5; -4.4 W4	13407	-1.9 V5; -15.2 S4
13233	-46.0 L16; -49.7 L(K)5	13408	-5.5 Y7; -7.8 L4; -17.2 V3; -28.8 Vn3
13234	+2.0 W4; -3.8 S4	13414	HD K0+AO
13236	+24.3 Y10; +24.4 L9; +23.7 W4	13415	-10.7 V7; +5.8 W2: IS -17.1 V6; -17.2 W2
13240	-9.3 W3; -4 L3	1342C	-17.4 L5; -10.5 V3; -27.0 Y3; (+25.9) Vn3; (-48) W1: IS V4
13242	-15.6 V9; -19.4 Fl	13425	-18.8 V5; -22.0 W3
13243	-11.5 V6; -5.1 W4	13426	P201
13245	P137	13434	P269
13249	Sp F6-G1	13439	+11.2 L8; +12.9 C3
13250	SB: -8.9 V7; -33.3 W2: IS -12.1 V3; -24.6 W2	13440	-76.3 L7; -74.6 B4; -75.8 V2
13253	-23.4 V5; -27.2 W2; -13.8 SI	13446	-2.1 V6; -1.6 W2
13256	-19.8 L32; -17.5 B4; -16.8 V3	13447	-10.1 Y16; -10.4 W3; -4.7 L2; -17.4 V2
13257	-10.2 L6; -10.7 Y5	13454	-52.9 L2; -47.4 W2
13259	P454	13457	-13.4 W5; -10.6 V2
13266	+32.4 L8; +30.2 W6	13459	+21.9 L4; +22.3 C3; +23.0 W3
13270	Orb. Sanford: Sp F5-F7	13463	Patten, McKellar
13272	-63.1 W13; -65.2 L3; -62.3 Y3; -66.2 V3	13468	-30.1 L10; -31.5 C3
13273	-63.9 L3; -62.3 W5; -63.6 Y3; -63.0 V2	13469	-6.8 V6; +2.5 W3
13275	P275	13478	+1.5 W6; -2.9 V3
13276	-26.5 L5; -22.7 B4; -24.2 W2; -28.6 VI	13479	+1.7 W3; +4.0 V3: IS -6.1 V; -15.4, -32.5 We
13279	Sp F8-G2	13480	P212
13280	-21.5 D5; -15.6 W3	13481	+3.7 C16; +2.2 L7
13282	+8.4 L26; +10.1 L(K); +12.3 L(Wr)I; +4.9 Pml	13490	-13.4 L4; -10.8 Y4; -13.2 V2
13290	+1.5 V3; +0.7 W2	13491	-24.4 V7; -9.0 L4; -23.6 Y4; -20 W1: IS We
13293	Orbit questionable; Young's P is 3.31, whereas the P of light variation is 1.13.	13492	-9.5 V6; -10.0 L4; -4.4 Y4
13304	P181	13494	-22.0 L7; -20.9 C4; -27.2 W3
13305	-17.1 L8; -17.2 V2	13496	-25.2 V7; -25.2 W3
13308	+9.2 V5; +8.5 W2	13501	-20.5 D4; -21.4 W2
13311	-8.8 S5; -20.3 V4	13503	-2.7 V7; +6.2 W6; +12.6 Y3; -1.3 L3
13312	-25.6 D5; -21.9 V2	13510	-2 W3; +7 Md3
13313	Sp F5-G0	13512	-118 L6 (Mayall); -77 LI (Wright): -146 W4; -110 Lw2
13315	-21.6 C8; -14.4 L4	13514	-19.2 L3; -17.4 W4; -18.6 V2
13320	-10 W1; -14 Y1: Em -24 W3; -30 Mi2; -30 Y1: P388	13515	-18.9 L5; -19.4 W3; -16.2 VI
13323	IS -11.8 V; -10.2, -19.6 We	13520	-5.3 L120; -6.6 Y125; -9.9 V56; -11.4 O294; -12.9 M1170
13324	-3.6 D4; +1.0 W4	13521	-1.8 Y12; -18.1 W4
13328	-2.8 V4; -4.7 D4	13523	-11v V5; -19.8 W3
13338	-17.7 V9; -14.9 Y4; -7.4 W1: IS V11	13530	+5.8 C30; +6.8 HO; +%L B4; +3.2 S8; +5.7 V2
13338	+17.0 L10; +20.5 C4; +14.8 B4; +17.5 D4; +14.6 V2	13535	-13.6 W5; -14.6 V4; -25.0 O4(1922); (+5.0) Vn2: IS -16.5 W; -15.9 V
13339	P261	13536	-23.1 V5; -25.4 W3: Sp K0+A3
13340	-29.6 V8; -27.0 S4; -34 W4	13537	-9.2 V9; -20.5 W7: IS -18.9 V9; -20 W1
13344	Sp G2-M2	13546	+14 L5; -15 Lw5
13349	-11.3 V6; -12.5 W4	13556	+6.9 L8; +8.5 B6; +7.0 W3; +7.3 V2
13351	-21.4 D5; -18.1 S3	13558	+13.7 S8; +14.7 VS
13352	P182	13561	-66.5 L10; -61.8 B3; -63.9 W3; -68.2 VI
13357	SB (71)	13572	SR 131
13358	Sp F5-G1: -2.8 Mdl6; -18.5 W4	13573	-24.8 L6; -22.3 Lw9; -22.1 Y1: IS -21.8, -6.1 We
13359	-5.0 L5; -4.4 C3; -6.9 W3	13577	Orb. Struve: Sp A2e+G5
13380	-22.0 Y1! Orb. Paraskevopoulos; -13.6 L5; -22.1 W3; -25.0 V2; -34 Pmi	13578	-2.4 VS; +19.0 L3; +25.8 Y3
13361	-37.4 L4; -36.4 C3; -38.3 W7	13580	-20.2 L15; -5.6 Y4; -26 VI
13363	-11.3 L10; -15.6 YS; -12.0 C3; -21.9 V2		
13386	Sp F4-G0		
13374	-11.3 L4; -10.8 W4		

13581	+10 V6; -8.Q J34	13770	-26 L2; -3 W2: IS W2
13583	-8.2 Y6; -38.6 W3; -46.7 L3	13776	-12.5 Y14; -19.8 W5
13584	-23.6 L2; -23 VI	13786	-16.4 V8; -12.3 W7; (+33.4) Vn3: IS -16.0 V10; -8.3 W
13585	+6.3 D4; +0.4 V3	13788	+13.0 W7; +18 V3
13590	P485	13794	Sp M2+B: Orbits -19.1 Mi90 (Goedicke); -20.6 V31; Mil8, W8, L5 (Gaposchkin); -18.6 V31 (Harper): Also (-16.4) W8; (-1.6) L5
13593	'+34.7 (Colacevich); +34.0 (Christie) (same plates)	13797	+0.6 S4; +0.1 W4
13594	-38.8 L2; -35 VI	13799	->24.7 V5; -10.4 W1: IS V
13595	-21.0 D5; -16.6 W4	13806	+11 W3; +12 VI
13597	-11.0 W5; -14.7 L4; -15.5 Y4; (-31.6) 021: IS W8	13810	+7.4 W4; +9.4 VI
13601	-34.9 L3; -34.9 V6; -34.1 W3	13813	Orb. Pearce
13603	-31.8 C10; -31.0 L8	13815	-14.5 D4; -16.4 W3
13605	Orbits -7.6 Mi95 (Rufus); -8.0 V28 (Plaskett): IS -19.2 Mi; -18.5 V23; -18.2 W6	13816	-7.3 V5; -6.0 W3: IS V
13606	-6.7 L5; -14 VI	13819	Orb. Sanford
13607	-166 L5; -155 Lw1	13821	Sp F7-G4
13616	-27.7 L3; -29.2 V6; -28.7 D5; -26.0 W4	13824	P303
13618	-22.7 D4; -21.8 W4	13825	-20.4 L4; -21.3 W8; -23.2 V2; -28.3 Vn3
13620	-1.8 W88 (Sanford); -2 C54 (Spencer Jones)	13835	-18.5 W5; -22.4 V4: IS -13.7 V; -10.0 W
13625	-45.3 L4; -39.3 W3; -41.0 Cl	13837	Orb. Joy
13628	-9.9 V3; '+14.8 W3	13839	+21 W2; +21 Md2
13634	+13.3 L3; +15.0 W2: Earlier designation DS Peg	13843	-22.0 V4; -22.1 W3
13635	+6.3 S4; +3.4 V3	13847	-17 V28; +10 Y4; -5 L3; +9 W2: IS -11.3 V29; -14.8 W2
13637	Orb. Fehrenbach: IS -11.9 F; -15.9 We	13851	-13.5 S7; -12.7 D6
13642	-3.5 D4; +0.6 W3	13852	+16.2 L11; +5.4 V4; +6.4 Y4: IS +4.4 V; -4.1 We
13643	-25.7 V4; -17.5 W4; 18 -16.3 W10; -18.6 V7	13854	+0.9 W3; -2.2 Y3
13644	-22.7 W8; -26.2 V2; -15.4 Y2	13855	-7.0 D6; -9.3 S5; -3 W4
13646	-37.3 L6; -32.7 B3	13856	+1.1 D8; +1.3 W3
13654	+4.7 L11; +4.8 C10; +5.8 Y10; +6.4 Pk10; +3.1 S16; +2.2 Mil0; +6.0 B5; +6.1 Cs5; +6.1 Lw4; +4.0 W7; +3.3 Cm3; +5.9 O3; +3.6 VI	13863	P215
13656	+18.5 L7; +17.0 S8; +17.2 W3; +14.7 VI	13866	Farnsworth, Jones
13658	+16.0 Mill6; +20.5 L10; +24.0 V8; +22.6 W3	13868	-7.4 V5; -6.3 W3
13661	-18.4 S4; -20.1 W3	13869	-4.8 L6; -6.4 Y5; -12.9 V3
13662	-22.3 L5; -19.8 B3; -25.5 W4; -26.2 VI	13870	-19.7 D6; -25.4 V3
13663	P264	13871	-3.7 L3; -6.3 V6; -3.0 W3
13666	-4.8 L6; -4.2 C4; -6.5 W3	13874	-27.8 V6; -20.1 W4
13677	-19.8 V5; -15 W2: IS -20.5 V; -14.6 W	13877	+40.0 L5; +37.5 C3
13680	-12.1 L3; -10.7 W3	13878	-17.2 L5; -19.5 W4; -7.9 V3
13681	+7 L3; -4 Y3	13879	+6.9 C26; +7.6 L13; +6.9 B4; +5.7 S5; +3.6 W3; +6.5 VI
13683	-18.7 Y6; -23.7 L5; -18.4 W2; -18.1 VI	13881	-15.4 D6; -5.7 W5; -17.4 V4
13690	+15.4 V6; +22.8 Y3; +13.3 L3	13882	-20.9 L4; -20.4 W2
13693	IS -18.7 V2; -21.6 W1	13884	-10.9 V16; -17.0 L8; -11.3 W7; -14.6 Y6; -14.4 Mi5; (-25.2) Vn3: IS -12.6 V; -12.5 W5
13694	Orb. Taffaro (L9, Y5, Bb, Berlin-Babelsberg): Also (-19.2) L9; (-17.8) Y5: IS -18.3 L; -16.9 We; -17.8 F2; -20.0 W1	13885	P440
13701	-15.2 V4; -13.4 W2: IS -12.5 V5; -17.1 W3	13886	-14v Y5; -4v L4
13710	IS -5.0 V4; -11.4 We	13889	Orb. Young
13712	-0.6 W4; -6.9 V2: IS W	13891	-23.8 L3; -19.5 W3
13715	-19.7 V5; -18.3 W3	13894	-3.9 Da; -1.9 V5
13717	McKellar, Patten	13897	-83.9 W4; -67.8 L2
13724	IS -11.1 W11; -5.8 L8	13898	-4.1 L43 (Curtis); -5.5 V38 (Petrie, PMbte)
13734	Sp F5-G5	13902	-14.3 W3; -17.3 V2
13738	Orbits 0 L53 (Slocum); 0 Md74 (Strove)	13912	+1.1 VS; +1.8 S4
13741	+20.2 D4; +16.3 W3; +18.0 33	13915	P374
13742	-7.0 V5; -5.6 W4	13917	Orbits -33.7 Wc22 (Sanford); -36.2 V22 (Harper): Also (-32v) D12
13747	-21.0 L9; -23.8 W5	13918	-7 V4; +6 W3
13748	-3.8 Y8; -18.0 04; -21.4 L3; -15.8 W2: IS -11.7 J; -11.1 W; -4.3 We	13922	-6.2 W3; -4.7 V2
13753	-20.9 V4; -23.6 W2: IS -18.4 V5; -9.4 W1	13929	-14.7 L5; -14.7 W3
13759	-8.4 D6; -5.6 W3	13930	-4.7 Y11; -4.5 VI; -17 LI
13783	-22 L2; -46 W2: IS W2	13931	+2.2 L13; -0.2 V2
13767	-26.2 V4; -22.6 W2; -27 L3: IS -15.7 V; -12.2 W5	13935	+1.9 L7; +4.3 Y3; +1.6 W1
		13940	+21.7 D5; +11.8 W3
		13944	+3.4 D5; +3.2 V3

13945	-15.0 L7; -17.3 B3; -15.2 V6; -9.6 W3	14146	+13.7 L20; +5.0 W6; +7.2 V3
13949	-18.2 L10; -16.3 B6; -19.0 V2	14148	-4.6 F12; -13.0 Y7; -9.8 V6; -7.9 W5; -6.5 L2: IS -9.9 V; -8.9 Y; -12.4 F4; -13.8 We
13950	P207	14149	-61.2 V5; -61.9 W3
13951	-2.2 Y5; -14.3 L3; -11.7 V2	14150	Orb. Struve
13955	-0.4 V6; +1.2 W4; (+47) Vn2	14154	-2.2 Y149; -13.6 L8; -14.1 V4
13959	-73.6 V15; -70.2 Y4; -83.0 L3: IS -14.3 V18; -13.8 W6; -12.1 Y	14155	-0.5 S52 (Albitzky); +1.7 V28 (Harper)
13960	P413	14156	-17.7 L3; +7.6 Y3; +14 W3; -1.1 VI; (+58) Vn2
13962	-18.7 L3; -18.8 V6; -22.1 W3	14157	Orb. Sahade, Cesco
13968	-3.8 V6; -2.0 W2	14172	-16 V3; -34 Vn2
13969	-11.8 L2; -15 VI	14176	-5.5 V6; +1.0 W3
13970	-7.2 L4; -8.7 V6; -5.1 W3	14177	P419
13973	-12.3 D4; -13.8 W3	14181	-2.0 L5; -2.6 C3
13975	-53.8 D4; -68.4 W3	14186	-13 L9; +3 Y4
13981	-23.9 L6; -23.1 C3	14194	+13 Md2; +29 W2
13983	-11.5 L7; -6.9 B3; -7.8 V2	14195	-15.1 V5; -11.4 W4: IS -14.0 W5; -12.3 V; -16.1 We
13990	-16.1 D5; -21.3 S3	14196	-8.3 W6; -14.4 V5; (+30) Y3: IS -14.0 W7; -11 V4; -13.9, -31.2 We
13996	+1.8 Y10; -0.6 L5; -8.0 V3	14197	Orb. Hill
13999	+12.1 L6; +13.5 C3	14207	+2.3 W8; -4.6 V5; -1.0 L3; (+12.4) Vn2
14000	-13 V4; +13 S4	14210	Orb. Hiltner from X4058; also +137 Hen, X4686, and +180 Hell, 3 lines Pickering series, all in emission
14004	-8.5 L5; -4.8 B4; -8.5 W3; -6.2 VI	14213	+7.9 L5; +9.1 C3
14005	-11.1 V50; -13.5 W17: Nova Lac 1936	14215	Orb. Struve: Also (-25) W1
14019	-8.3 V6; -9.1 W5	14216	+7.7 Y7; +19.1 L6; +7.7 V3
14024	Spencer Jones	14224	-5.3 D4; -5.7 W3
14030	P311	14226	-19.0 V5; -21.3 W3
14032	-29.1 S5; -24.1 D4; -30.0 W3	14229	+6.9 L3; +7.6 V6; +11.7 W3
14033	-4.5 V6; +1.3 W3	14230	Orb. McKellar
14036	+6.5 V6; +6.7 W3	14231	+16.7 W3; +0.6 V2; (-38) Vn2
14043	+19 Y4; -13 L3; +9 Vn2; -8 VI	14234	-10.2 Y20; -9.3 V17; -8.9 L10; -10.4 M13; -12.0 W2: IS -9.3 Y; -16.9 V; -13.6 W4; -12.5 We
14045	-5.0 L4; -15 Y3	14235	0 W14; -3 L5
14050	-5.7 L9; -7.7 V5; -7.8 Y3; -15.5 W3	14236	-6.5 D4; -7.7 W3
14051	-15.2 V4; -14.4 L4; -9.0 W2: IS -17.1 V; -16 W; -15 L	14237	-12.3 W3; -9.1 VI
14054	-4.8 D4; -0.2 W3	14241	-5.7 D4; -6.3 W3
14057	+48.1 L5; +50.7 C3; +48.0 W3	14242	-10.7 L6; -6.2 B3; -10.8 V2
14058	Orbits -9.0 A84 (Baker); -10 Y41 (Luyten, Strove, Morgan): IS We	14246	Sp F6-G6
14059	+7.3 L6; +10.5 Y4: IS We	14247	+10.2 Y7; +3.8 L5
14061	+8.9 L8; +10.8 Y5: IS We	14252	Orbits -14.7 V344 (Christie); -13.8 0117 (Young): IS -16.0 V258; -14.9 W2; -11.8, -33.4 We
14062	-20.9 L7; -8 06; -16 Y4; -10 VI	14256	+12.6 S33; +3.8 Y5; +7.1 W5; +7.9 L4; +8.7 V3
14066	-17.5 V6; -24.6 W1	14257	Sp F5-K0
14068	-1.5 V5; -2.8 W5	14260	+1.0 L28; +2.4 C12
14069	-8v W4; -10v V3	14266	-9.0 W3; n2.0 S3
14071	P245	14268	+30.4 L5; +27.6 C3
14078	-24.1 W7; -23.8 V2	14270	IS -12.7 V4; -12.8 We
14080	-10.6 L6; -8.2 B3; -11.2 V2	14278	P300
14089	-1 W2; +5 Md2	14277	+25.1 L7; +19.6 C2
14090	-25.1 Y6; -20.7 L5; -22.7 W2: IS W	14284	+13.5 L3; +12.6 W3
14081	+2.8 Y10; -11.4 L9; +14.2 V8: IS -12.1 V; -8.6 W4; -14.1, -3.9 We	14290	Orb. Struve
14092	PI 37	14292	+27.7 W; +28.2 C4
14093	P401	14297	-22.6 V5; -21.0 W4
14095	P387	14301	Orb. Herbig
14105	-18.2 W5; -19.0 V3	14306	-12.8 D4; -8.6 W4
14113	+54.0 L6; +53.9 W13; +53.8 V3	14307	-3.8 L8; -2.2 B4; -4.3 C3; -3.2 W4; -4.4 V2
14114	-14.1 W0; -15.8 V4; (-26.4) Vn2: IS V	14308	-4.5 L7; -6.3 S14; -7.2 B5; -4.2 C3; -8.8 W3; -7.5 V2
14121	+24.5 L5; +25.3 M	14313	+22.7 L5; +24.8 C3
14125	+5*0 L11; +4.6 C3	14314	Orb. Pearce: IS V3S
14128	-29.3 W8; -31.8 W4	14319	-33 W3; -54 L2: IS W3
14130	+1.8 C8; +3.0 L6	14320	+8.4 W5; -0.6 04
14131	P24!		
14132	-45.3 V7; -45.3 WB		
14136	-19 L6; -25.7 W3		
14138	Orb. Moore: Sp F4-G6		
14141	*2.4 L5; -0.9 VI; +0.3 W4		
14142	-11.9 L5; -0.8 WII; -9.4 B3; +16.4 Y5; •0.9 V4: Sp K0+A0		

14325	-23.2 D4; -25.9 W3	14505	-5.7 L7; -2.0 B3; -2.7 VI
14326	-56.0 W4; -52.2 L2	14506	-10.5 O15; -8.5 Y6; -5.0 L5; -22.4 O6(1922); 18 -11.5 W2; -9.8 F2
14327	EB 1.77; Orb. Pearce	14508	-26.9 L38; -25.9 W4; -27.0 V2
14330	Sp F2-G5	14510	-14 We34; -18 V6; IS Wc7: Different ele- ments and different lines of the same element give different velocities.
14333	+1.2 L8; +0.5 C3	14512	Orb. Young
14334	Sp G1-G5	14513	Sp G0-K0
14335	-5 V5; -15 S4	14515	Orb. Pearce
14339	+13.8 L9; +15.7 O3; +14.4 B4; +13.9 VI	14516	-4.8 D6; +0.6 V5
14343	-12.3 L10; -11.1 B4; -13.4 V2	14517	+5.1 S5; +0.1 D6
14345	-10 W6; -20.2 V4; IS -14.1 V; -12.0, -1.4 We	14520	-19.2 D4; -19.9 W3
14346	+27.1 L5; +28.5 C1	14521	-2.6 L2; -1.3 W3
14360	-17.5 L3; -15.4 W6	14524	-1.8 D5; +4.7 V3
14362	+12.8 L5; +8.6 W7; +10.1 V2	14535	+21.1 L6; +21.4 C5
14363	-9.5 L8; -6.9 C3	14537	+14.3 L5; +13.4 W4
14365	+13 W3; +8 Md2	14538	13 -11.5 V; -8.2 We
14372	Orb. Struve	14539	-112.2 W3; -115 Md2
14374	+6.9 V5; +16.2 D4	14540	+11.7 D5; +6.0 S3
14380	+19.5 L19; +19.3 Y7; +13.4 W6	14543	+0.3 L11; +11.8 W8; +30.4 Y3
14388	+12.2 S4; +13.0 V2	14544	Spencer Jones C44, L15
14391	-12.3 L12; -2 Y4; -12.3 V3	14545	-11.8 W3; -15.2 VI
14395	-11.9 L5; -11.0 C3	14548	+0.1 S8; -5.2 D6
14398	+12.1 W5; 0 Md5	14550	+3.2 D6; +1.5 W3
14401	Orb. Struve, Bobrovnikoff: IS -10.0 W3; -19.0 V2; -12.6 We	14555	Orb. Payne-Gaposchkin
14402	-19 W7; -19 Md2	14557	+4 L8; +22.7 Y5; +5.6 W5; +11.1 V2
14403	-9.8 L7; -7.8 W5	14559	-9.8 V5; -11.3 W3
14405	P279	14560	P229: Em, W6
14407	-12.6 V8; -4.9 Y5; -12.0 L4; -17.4 W3; IS -11.1 VS; -11.6 W5	14562	+13.2 L6; +7.4 V2
14411	-31.6 V6; -32.8 W3	14566	-16.9 V5; -19.1 W4
14412	IS -15.7 V; -11.0 We	14567	+18.0 D4; +16.2 W4
14419	-2.4 S4; +0.5 V3	14569	IS -18.0 V; -8.9 W1; -9.1 We
14420	IS -12.6 V; -9.5 We	14573	+8.0 D5; +9.6 S4
14422	+14.0 V6; +37 Y2	14579	+2.6 S6; -1.1 D5
14424	-14.1 V5; -10.6 W3	14585	-24.7 C7; -27.0 L6; -28.4 W4
14432	-3.2 L15; +3.3 C9	14595	-14.8 L4; -14.6 O3; -17.0 W3
14433	-57.9 L4; -60.3 V4; -59.2 W3	14597	-25.0 W5; -28.2 V2
14435	+21.4 D4; +17.5 W3	14598	+8.0 W8; +23 Md2
14437	-5.0 D7; -5.3 V5	14600	-14.0 L14; -12.9 C6; -13.7 B4; -11.3 Lw3; -15.0 W3; -10.9 Y3; -16.4 VI
14438	-1.3 D6; +3.8 V3	14607	-3.5 L8; -8.0 Y8; (-11.1) O1
14443	-50.7 W3; -38.6 L2	14608	-5.5 L2; -9.6 W4
14448	-80.6 L2; -83 VI	14610	-8.2 L6; -6.6 V3
14449	-13.1 O50; -15.2 L6; -16.6 Y5; -26.4 O4 (1922); -18.3 W3; -17 V3; IS -12.2 W3; -10.3 We	14617	Orb. Young
14454	-16.1 D6; -20.7 V4	14618	+16.7 L6; +14.3 C3
14455	-8 V10; +17 Y4; +21 L2	14621	-13 Y5; -5 L4
14463	-17.3 C9; -9.4 L6	14623	+11 L22; +3.7 C3
14467	-1.8 Y14; +1.5 L11; +2.9 V5; +2.8 O1; IS -1.9 Mi87; -3.0 We; Em +9 Mi; +7 W1	14624	-17.8 L7; -17.2 B3; -20.4 W3; -16.7 V2
14468	+8.7 L11; +10.5 B9; +7.5 MiO; +9.1 C4; +9.0 W8; +12.4 D4; +9.6 S4; +8.2 V2	14627	-10.5 S11; -9.4 W10
14471	-7.9 L3; -3.8 W3	14628	-6.5 S3; +2.5 V3
14472	P209	14629	+11.7 L4; +10.6 V6; +11.3 W3
14473	+18.3 L8; +16.0 C3	14632	P343
14474	-34.8 L6; -31.9 B3; -35.2 V2	14635	+1.7 W3; +4 VI
14475	Orb. Petrie	14639	+39.7 L3; +35.0 W3
14476	-5.5 D4; -8.9 W3; -10.8 S3	14641	-15.1 W3; -18.6 L2
14477	-2.5 Y17; -9.7 L3; 0 V2; -0.8 Mi2	14642	P319
14479	-8.1 W4; -19 S4	14644	-27.2 D4; -21.9 W3
14482	+10.7 L3; +8.8 W4	14645	+17.0 Y16; +17.5 L3; +13.0 V2
14484	-23.5 W4; -25.0 L3	14651	-9.1 V6; -10.5 W3
14490	-56.5 D4; -54.5 L3	14052	-35.7 W3; +1.7 VI
14493	-6.3 D4; -5.6 W4	14653	Sp F8-G2
14495	-10.4 D5; -15.6 V4	14659	+11.6 Y5; -13.7 L3; IS -12.4, +0.9 We
14497	-1.2 D4; -14 Md2	14660	+9.0 D4; +8.8 S3
14501	P378	14662	-13 L4; -11 Y3
		14864	-11.3 V9; -17.7 W0; -18.0 S4
		14668	-5.0 L5; -6.4 C3; -10.6 W3

14670	-4.4 L3; -4.4 V5; -1.5 W3	14882	-11 W27; -13.1 L11
14687	+18.8 W4; +16.5 L4; +21.3 Y4; +6 VI	14884	-10 L5; -23.5 W3
14689	-37.8 L3; -32.5 Vn2	14891	-20.8 L5; -22.9 W5
14690	-12.5 L11; -6.2 B3; -12.6 V2; -8.5 31	14897	SB: IS -13.8 V; -6.9, -23.9 We
14694	+15.4 L9; +17.2 C3; +13.9 W3	14901	+11.4 Y7; +15 L3; -5.3 VI
14695	-12.3 L13; -11.4 L(K)2	14909	-45.3 W11; -47.0 V8: IS W8
14706	-4.1 S22; -3.3 MilO; -4.9 L5; +1.2 Y5; -4.1 W3; -6.0 V2	14911	-19.1 D5; -14.4 V3
14712	-4.4 V5; -12.8 W3	14912	-26 Mi2; -21.5 W1
14720	+6.1 L5; +7.4 B5; +2.5 V2	14914	+29.4 V6; +29.0 W4
14727	-15.0 L8; -13.1 D5; -13.7 B3; -12.3 VI	14916	+9.4 W5; -8.5 V2
14735	-5.0 D6; -3.5 S5	14918	-0.4 V6; +0.8 SQ
14737	Orbits -14.8 A57 (Baker); -17.0 Y26 (Luyten, Struve, Morgan)	14925	Orb. Sanford
14746	-59.1 L3; -59.3 V6; -57.1 W3	14927	+12.7 L4; +13.7 Y3
14747	-24.7 W3; -25.5 V2	14928	-9.7 V5; -7.0 W3
14757	-12.7 W3; -12.1 S3	14935	Sp G2-K
14764	-1.9 W3; +3 Mdl	14936	P137
14770	+2.1 V6; +2.8 W3	14939	-7.5 L5; -7.3 W4; -10.5 V2
14771	+0.8 W3; -1 VI	14941	+3 W7; -4 Y5; -10 L4; -11.6 VI
14773	Shell star: Shell at times stationary; at such times abs velocities agree with those from em, which seem fairly constant: +0.1 V17; +6.4 Wc6; (-79) W7; (-71) Md3; Em 0 W28; +24 Md3; Neb. em -3 W29; -9 V	14942	EA 2.77: Orb. Struve
14774	+4.3 W4; -3.5 V2	14947	-5.0 W4; -11.8 L3
14779	+6.7 D4; +5.6 W3	14948	+9.7 W3; -1.0 V3
14780	-24.2 L4; -21.8 W2	14951	-48.7 W5; -48 V3: IS W
14783	Orb. Struve	14955	-42.5 L6; -45.0 W10; -42.6 B5: Sp F8-M2
14785	+13.2 W5; +3 L3; +23 Y3; +17.9 VI	14956	-41.9 W7; -42.7 V6: IS W
14790	-2.4 D4; -1.4 W3	14961	+18.3 W4; +15.4 S4
14792	+5.3 V5; +7.8 W4	14965	-1.1 V6; -1.4 W3
14803	-12.7 D4; -12.5 S3	1495V	Orbits -26.7 053 (Young); -24.3 W30 (Sanford); IS -24.0 029; -18.8 W13
14808	Orbits +6.3 L56 (Burns); +6.8 V27 (Pearce, Walker): IS Md 56	14969	-17.2 S5; -20.8 D4
14811	-%% V6; -4 Y3; +8 LI	14970	P300
14813	0.0 Y14; -0.9 012	14977	P267: Em L3
14816	Orb. Struve	14979	+1.8 D4; +2.0 W3
14817	P337	14985	-12.2 D5; +2.4 W5
14821	+9 Y4; +8.5 W4	14992	-4.4 L5; -2.9 W4
14822	+2.3 04; -12.9 S3	14993	P260
14823	-4.0 D5; +8.5 V4	14994	SB 2-sp
14824	+14.6 D5; +4 W4	14998	P430
14825	-6.0 L6; +3.3 Y5	14999	0.0 L9; -2.9 C1
14826	-43.2 L7; -41.6 B5; -39.2 Pk4; -41.9 Lw3; -41.2 Y3; -40.4 W3; -49.4 VI	15001	+0.3 W7; -3.0 V5: IS -14.5 W2; -18.1 We
14828	+5.6 L9; +5.4 VIS; +5.3 B5; +3.3 S21; +2.1 W3	15004	A 17140A: -17.9 08; -7.4 Y5; -6 L3; -10.2 V2; -16.9 W2: IS -12.8 W4; -0.1 V2
14835	-1.4 Y4; -9 L3; -17.9 V3	15007	SR 141
14846	Sp G2e-M3	15009	-2.3 L7; +9.9 C5; -0.4 B4; -1.2 V3
14847	+4.8 L4; -2.2 W4	15012	-8.6 V6; -8.3 W3
14851	+18.3 Y7; +10.9 V6; +7.9 L4	15013	-5.6 V6; -5.2 W3
14854	+9.1 L5; +3.4 C4	15019	P324
14857	-3.0 L10; +15.5 Y5	15023	-2.0 D7; -8.4 V3
14859	-32.9 L7; -35.2 W5	15027	-25.0 L2; -36 W2
14862	P387: Neb. em -42	15029	+1.7 L4; +3.0 C3
14864	-6.8 L8; -8.3 V2	15030	13 -4.8 V; -3.9 W3
14865	+3 L3; +27 Y3	15032	-14.0 D5; -6.4 L2
14869	P495	15034	-22.9 W3; -26.4 VI
14872	Orb. Struve	15038	-7 W5; -15 S4
14877	-2.6 L5; +0.1 Y3	15041	+26.8 L5; +18.6 Y4
14879	-24.5 L4; -25.4 W3	15042	+81 L4; +36 Md2; +33 W1
		15044	-38.9 Y8; -32.6 W5; -35.4 V3
		15045	P352
		15049	+13.5 W7; +0.8 V2
		15050	+9.5 W5; +8.2 S5
		15098	Nova Cyg 1942

A PARTIAL BIBLIOGRAPHY OF RADIAL VELOCITY SOURCES

This list is intended to cover only the principal sources of radial velocities. No attempt is made to include references to much of the earlier work, which was concerned primarily with accurate velocities of a few of the brighter stars and announcements of the discovery of spectroscopic binaries. The details of the early work are given in the first reference below. Nor are we concerned here with the orbital elements of spectroscopic binaries, since a fairly complete bibliography of orbits will be found in the second reference. References are given, however, to some of the early works which resulted in extensive lists of velocities or brought to completion the work at a given institution. With the exception of the three catalogues embracing work from all sources, the publications are listed in chronological order under the name of the observatory. The observatories are listed in alphabetical order.

GENERAL

- J. H. Moore. A general catalogue of the radial velocities of stars, nebulae and clusters. *Lick Publ.*, 13, 1932.
 J. H. Moore and F. J. Neubauer. The fifth catalogue of spectroscopic binaries. *Lick Bull.*, 20, 1, 1949.
 J. S. Plaskett and J. A. Pearce. A catalogue of radial velocities of C and B type stars. *PubL Dom. Astrophys. Obs.*, 5, 99, 1930.

BONN

- F. Kustner. 99 stars. *Ap. J.*, 27, 303, 1908.

CAPE

- J. Lunt. 34 stars. *Cape Ann.*, 10, pt. 1, 122, 1911.
 J. Lunt. 60 stars. *Ap. J.*, 47, 202, 1917.
 J. Lunt. 119 stars. *Ap. J.*, 48, 265, 1918.
 J. Lunt. 185 stars. *Ap. J.*, 50, 162, 1919.
 J. Lunt. 120 stars. *Cape Ann.*, 10, pt. 5, 1920.
 H. Spencer Jones. 434 stars. *Cape Ann.*, 11, pt. 8, 106, 1920.

COLUMBUS

- H. C. Lord. 31 stars. *Ap. J.*, 21, 313, 1905.

DUNLAP

- R. K. Young. 500 stars. *PubL D. Dunlap Obs.*, 1, 71, 1939.
 R. K. Young. 374 stars. *PubL D. D. O.*, 1, 251, 1942.
 R. K. Young. 681 stars. *PubL D. D. O.*, 1, 311, 1945.
 F. S. Hogg. 226 stars. Unpublished.
 J. F. Heard. 21 Be stars. Unpublished.

LICK

- J. E. Keeler. 14 planetary nebulae. *Lick Publ.*, 3, 217, 1894.
 W. W. Campbell. 14 stars. *Ap. J.*, 8, 150, 157, 1898.

- W. H. Wright, H. K. Palmer, and J. Albrecht. 150 southern stars. *Lick Publ.*, 9, 71, 1911.
 W. W. Campbell. 225 B stars. *Lick Bull.*, 6, 108, 1911.
 W. W. Campbell. 212 A stars. *Lick Bull.*, 7, 120, 1912.
 W. W. Campbell. 915 F-M stars. *Lick Bull.*, 7, 114, 1913.
 W. W. Campbell and J. H. Moore. 138 bright-line nebulae. *Lick Publ.*, 13, 77, 1918.
 J. H. Moore. 25 N stars. *Lick Bull.*, 10, 160, 1922.
 Leah B. Allen. 20 southern Me stars. *Lick Bull.*, H, 71, 1925.
 P. van de Kamp. 45 faint A-F stars. *Lick Bull.*, 11, 95, 1926.
 W. W. Campbell and J. H. Moore. 2771 stars. *Lick Publ.*, 16, 1928.
 F. J. Neubauer. 351 southern stars. *Lick Bull.*, 15, 49, 1929.
 F. J. Neubauer. 19 southern stars. *Lick Bull.*, 15, 190, 1932.
 F. J. Neubauer. 433 B stars. *Ap. J.*, 97, 300, 1943.
 N. U. Mayall. 50 globular star clusters. *Ap. J.*, 104, 290, 1946.
 J. H. Moore and G. F. Paddock. 820 stars. *Ap. J.*, 111, 48, 1950.
 F. J. Neubauer. 127 B stars. Unpublished.

MICHIGAN

- P. W. Merrill. 24 long-period variables. *Ap. J.*, 41, 247, 1915.
 P. W. Merrill. 40 long-period variables. *Mich. Publ.*, % 62, 1916.
 C. W. Rufus. 10 R stars. *Mich. Publ.*, 2, 135, 1916.
 F. Henroteau. 12 antapex stars. *Mich. Publ.*, 3, 58, 1917.
 L. L. Mellor. 26 Potsdam stars. *Mich. Publ.*, 3, 93, 1917.
 R. K. Marshall. 11 B stars. *Mich. Publ.*, 5, 166, 1934.

MOUNT WILSON

- W. S. Adams and A. Kohlschütter. 100 parallax stars. *Ap. J.*, 39, 344, 1913.
 W. S. Adams. 500 stars. *Ap. J.*, 42, 175, 1915.
 W. S. Adams and A. H. Joy. 1013 stars. *Ap. J.*, §7, 149, 1923.
 P. W. Merrill. 112 long-period variables. *Ap. J.*, 58, 223, 1923.
 R. F. Sanford. 29 R stars. *Ap. J.*, 59*, 344, 1924.
 W. S. Adams and A. H. Joy. 69 large radial Velocities. *PubL A. S. P.*, 38, 122, 1926.
 W. S. Adams, A. H. Joy, R. F. Sanford, and G. Strömberg. 741 stars. *Ap. J.*, 76*, 207, 1929.
 P. W. Merrill and Cora G. Burwell. 13 long-period variables. *Ap. J.*, IX, 288, 1930.
 R. F. Sanford. 151 R and N stars. *Ap. J.*, 82, 202, 1935.
 A. H. Joy. 128 Cepheid variables. *Ap. J.*, gfc, 363, 1937.
 R. F. Sanford and P. W. Merrill. 56 early-type stars* *Ap. J.*, 87, 517, 1938.
 W. H. Christie and X. C. Wilson. 600 stars. *Ap. J.*, 44, 34, 1938.
 W. S. Adams and A. H. Joy. 75 large radial velocities. *PubL A. S. P.*, §Q, 214, 1938*

MOUNT WILSON—Continued

- A. H. Joy. 67 RR-Lyrae variables. Publ. A. S. P., 50, 302, 1938.
 P. W. Merrill. 305 long-period variables. Ap. J., 9i, 171, 1941.
 A. H. Joy. 118 less-regular M-type variables. Ap. J., 96, 344, 1942.
 R. F. Sanford. 283 R and N stars. Ap. J., 9a, 331, 1943.
 A. H. Joy. 11 T-Tauri variables. Ap. J., 102, 194, 1945.
 A. H. Joy. 181 dwarf stars. Ap. J., 105, 96, 1947.
 R. E. Wilson. 204 Hyades stars. Ap. J., 107, 119, 1948.
 A. H. Joy and S. A. Mitchell. 90 dwarf stars. Ap. J., 108, 237, 1948.
 W. S. Adams. 308 interstellar and molecular velocities. Ap. J., 109, 354, 1949.
 R. F. Sanford. 21 red stars. Publ. A. S. P., 61, 94, 1949.
 A. H. Joy. 35 variables in 14 globular clusters. Ap. J., 110, 105, 1949.
 R. F. Sanford. 31 interstellar velocities in open clusters. Ap. J., 110, 117, 1949.
 A. H. Joy. 32 emission stars in the Taurus cloud. Ap. J., 110, 424, 1949.
 A. H. Joy. 62 RR-Lyrae variables. Publ. A. S. P., 62, 60, 1950.
 R. E. Wilson and A. H. Joy. 2111 stars. Ap. J., 111, 223, 1950.
 R. E. Wilson and A. H. Joy. 360 stars. Ap. J., 115, 157, 1952.

SIMEIS

- G. Shajn and V. Albitzky. 343 stars. Mon. Not., 92, 773, 1932.
 V. Albitzky. 108 B8-A0 stars. Publ. Crimean Astroph. Obs., 1, 20, 1947.
 G. Shajn. 131 stars. Publ. C. A. O., 1, 44, 1947.
 V. Albitzky. 114 A3-G0 stars. Publ. C. A. O., 2, 103, 1948.
 V. Albitzky. 53 G0-K5 stars. Publ. C. A. O., 3, 31, 1949.
 G. Shajn. 50 A and F stars. Publ. C. A. O., in press.

VICTORIA

- X S. Plaskett, W. E. Harper, R. K. Young, and H. IL Plaskett. 594 stars. Publ. Dom. Astroph. Obs., 2, 3, 1921.
 W. £*Harper/ 125 stars. Publ. D. A. O., 2, 189, 1923.

- W. H. Christie. 14 stars. Jour. R. A. S. Can., 18, 166, 1924.
 S. Smith. 15 stars. Publ. D. A. O., 3, 163, 1925.
 W. H. Christie. 48 stars. Publ. D. A. O., 3, 209, 1925.
 R. M. Petrie. 50 stars. Publ. D. A. O., 4, 81, 1928.
 R. O. Redman. 225 K stars. Publ. D. A. O., 4, 337, 1930.
 J. S. Plaskett and J. A. Pearce. 523 O and B stars. Publ. D. A. O., 5, 1, 1930.
 R. O. Redman. 224 K stars. Publ. D. A. O., 6, 49, 1931.
 W. E. Harper. 477 stars. Publ. D. A. C., 6, 159, 1933.
 W. E. Harper. 917 stars. Publ. D. A. O., 7, 1, 1937.
 W. H. Stillwell. 17 Taurus stars. Publ. D. A. O., 7, 337, 1949.
 J. A. Pearce and R. M. Petrie. 79 B stars. Publ. D. A. O., 8, 409, 1951.
 R. M. Petrie. 17 Ursa Major stars. Unpublished.
 R. M. Petrie. 41 stars. Unpublished.

YERKES-McDONALD

- E. B. Frost and W. S. Adams. 13 standard velocity stars. Yerkes Publ., 2, 35, 1903.
 E. B. Frost and W. S. Adams. 20 A and B stars. Yerkes Publ., 2, 247, 1904.
 E. B. Frost, S. B. Barrett, and C. Struve. 368 B stars. Ap. J., 64, 11, 1928.
 E. B. Frost, S. B. Barrett, and O. Struve. 500 A stars. Yerkes Publ., 7, 12, 1929.
 C. Seyfert and D. M. Popper. 205 faint B stars, I. Ap. J., 93, 461, 1941.
 D. M. Popper. 56 proper motion stars, I. Ap. J., 95, 307, 1942.
 D. M. Popper. 49 proper motion stars, II. Ap. J., 98, 209, 1943.
 G. Munch. 39 proper motion stars. Ap. J., 99, 271, 1944.
 D. M. Popper. 150 faint B stars, II. Ap. J., 100, 94, 1944.
 O. Struve. 20 stars in NGC 6231. Ap. J., 100, 189, 1944.
 B. Smith and O. Struve. 100 stars in the Pleiades. Ap. J., 100, 362, 1944.
 O. Struve. 13 eclipsing variables. Ap. J., 102, 74, 1945.
 W. Luyten. 14 proper motion stars. Ap. J., 102, 383, 1945.
 O. Struve. 11 eclipsing variables. Ap. J., 103, 76, 1946.
 O. Struve. 14 eclipsing variables. Ap. J., 104, 268, 1946.
 Nancy Roman. 11 Ursa Major stars. Ap. J., 110, 205, 1949.
 A. Colacevich. 15 RR-Lyrae stars. Ap. J., 111, 437, 1950.