CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS
DOMINION OBSERVATORIES

PUBLICATIONS

OF THE

Dominion Observatory

OTTAWA

VOL. XV No. 2

Results of Observations made with the Reversible Meridian Circle 1923 - 1935

Observations of the Sun, Mercury, and Venus

Catalogue of 1589 Stars

Corrections to G.C. and FK3

BY

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EDMOND CLOUTIER, C.M.G., O.A., D.S.P.
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1952

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ABSTRACT

These positions are the results from observations taken at Ottawa during the years 1923 to 1935. The program comprised observations on the sun, planets, and daylight stars, as well as night observing. Star observations, taken usually before dusk and after dawn, provided corrections to reduce sun and planet observations to a night basis. These results were then solved for corrections to the equinox, the equator, and the orbital elements.

The catalogue of 1589 stars comprises 180 clock stars, 21 azimuth stars, and stars between − 30° and + 90° declination selected from the Backlund-Hough list, given in the supplement to the Connaissance des Temps of 1914. Eichelberger's positions were used for the clock stars, whereas the positions of the azimuth stars were determined from Ottawa observations, using Eichelberger's proper motions. Positions were finally reduced to 1925·0 without proper motion.

The declinations were computed from nadir readings, using 45° 23′ 39″.0 as a provisional latitude of the meridian circle.

Corrections were applied for horizontal flexure, variation of latitude, as given in the International Latitude Variation Publications, and refraction based on Bessel's Tabulae Regiomontanae. A solution of pole stars at upper and lower culmination gave a corrected value of latitude 45° 23′ 38″.89. Screens were used to reduce star magnitudes, and a reversing prism was used with the eye-piece throughout the work.

Comparisons with the G.C. and FK3 are given for 3-hour intervals, as well as the observed corrections to G.C. and FK3 for the epoch of observation. Equinox and equator corrections were deduced but were not applied to the observations.

INTRODUCTION

This part of the volume contains the results of observations made at Ottawa during the period from November 1923 to May 1935. The program included:

(1) Observations on the sun, Mercury, Venus, 180 clock stars, and 21 azimuth stars.

(2) Observations on stars selected from a list of "Fundamental Stars" contained in the supplement to the Connaissance des Temps for 1914.

The Ottawa list was to include the Backlund-Hough stars not included in Auwers' and Newcomb's lists, and all the Boss fundamental list. Only stars between − 30° and + 90° declination were selected. The completed list contains 1,589 stars.

It was intended to take at least two observations on each star in each clamp and then interchange the object glass and eye-end. The first part of the program was completed early in 1935. The object glass and eye-end were then interchanged and the second series of observations started. Due to retirements and the assignment of observers to other duties, the second half of the observations was not completed in the same manner as the first; also Eichelberger's positions were replaced by the FK3 positions and a discontinuity in the right ascensions was thereby introduced. No observations were taken on the sun and planets after 1937. As the results of the observations, 1923 to 1935, would be of immediate use (1949) in a project undertaken by the Naval Observatory, Washington, U.S.A., it was decided to complete and publish them. The later observations, 1935 to 1949, can be completed as a separate project and, with some adjustments, the right ascensions can all be based on the FK3 positions of the 180 clock stars.

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It should be noted that no special list of stars for daylight observing was introduced. The plan was to observe enough clock stars to determine a clock correction before and after sunset and sunrise. From these clock corrections the day to night difference in Table XXIII was obtained and applied to the observations of the sun and planets. Similarly, from the day-night differences of the same stars in declination, a solution was made for a correction to the sun and planet declinations. (*See* sun declinations.)

The work was initiated by R. M. Stewart and carried out under the immediate supervision of C. C. Smith, who also took a major part in the observations. The other observers were R. J. McDiarmid, A. H. Swinburn, and W. S. McClenahan. D. B. Nugent assisted at times in setting the microscopes and recording for the sun observations, and did a large part of the right ascension computations. E. C. Arbogast took a major part in the declination computations, and besides the observers, Miss K. C. Nevins, W. C. Jacques, and A. W. Grant took part in the computing.

A description of the instrument and the method of finding the instrumental constants will be found in Volume XV, No. 1 of these publications.

With this program, screens were used to reduce the magnitudes of the brighter stars to between the fifth and sixth magnitude. Three screens of fixed density were provided, and one of these was attached to the end of the dew cap when necessary.

A canvas screen was used to shield the instrument when observing the sun. This was raised from a mounting on the south collimator pier. Two observers were on duty for the sun observations, which were taken daily except Sunday.

A reversing prism was used throughout the observations, and the transits, taken with a travelling wire micrometer, were recorded on a printing chronograph. Type wheels mounted on the head of the zenith distance micrometer, permitted the printing of these records for each pointing made.

Although most of the computing was done by the older members of the staff, the final results have been hastened considerably by having student help in the summer months of 1947, 1948, and 1949, and by the work of Mr. E. G. Woolsey, who joined the staff in 1946, and Mr. R. W. Tanner, who was appointed to the Division of Position Astronomy in 1949. Woolsey assisted in preparing part of the manuscript and Tanner was particularly helpful in verifying the formulæ used in the solution made of the sun and planet observations.

The Naval Observatory, Washington, D.C., U.S.A., supplied the Boss General Catalogue positions of practically all the stars on our list, also the FK3 positions, as well as the precessions and secular variations for 1925. This help was very valuable and saved a great deal of work in completing the catalogue. The writers wish to thank the Superintendent of the Naval Observatory for this very fine contribution. Finally, acknowledgment is made of the help and encouragement received from Dr. H. R. Morgan, C. B. Watts, F. P. Scott, and A. N. Adams, also of the U.S. Naval Observatory.

The observations on each star after being reduced to 1925 and assembled, were again examined and the larger differences checked. This along with a complete checking of most of the computations should free the results from any serious errors. Any differences greater than $0^s.1$ Sec. δ in right ascension and two seconds of arc in declination were re-examined before discarding. This rule was not rigorously adhered to in the case of fainter stars observed far from the zenith. Seeing conditions generally in this part of the sky were poor and larger differences were expected.

An examination of the residuals of the first star in each half hour of right ascension taken in two bands of declination $-5°$ to $+5°$ and $+40°$ to $+50°$, gave the following probable errors:

$-\ 5°$ to $+\ 5°$ R.A. $\pm\ 0^s.024$ or $\pm\ 0''.36$; Dec. $\pm\ 0''.38$
$+\ 40°$ to $+\ 50°$ R.A. $\pm\ 0^s.026$ or $\pm\ 0''.28$; Dec. $\pm\ 0''.36$

Right Ascensions

The mean places of the clock stars were computed from Eichelberger's positions and proper motions of 1,504 standard stars, Astronomical Papers of the American Ephemeris, Vol. X, Part 1. The azimuth star positions were taken from the previous positions determined at Ottawa and brought forward, using Eichelberger's proper motions. The right ascensions for the day required were computed except for six stars from the American Ephemeris and the Connaissance des Temps, and corrected by the difference between the mean place for Eichelberger and the mean place of the Ephemeris. The other six stars were taken from other ephemerides and corrected in a similar manner. Results for right ascension were retained:

(*a*) For clock stars, if at least six clock stars and two azimuth stars, one at upper and one at lower culmination, were distributed over a period of at least 3 hours.

(*b*) For azimuth stars, if at least six clock stars and four azimuth stars, two at upper and two at lower culmination, or two azimuth stars, one at upper and one at lower and a reading on both the azimuth marks;

(*c*) For program stars, at least six clock stars and one azimuth star.

Table I is a list of the clock stars used.

TABLE I—CLOCK STARS

No.	Name	Mag.	Dec.	Right Ascension 1925·0 Ottawa Ledgers	Ottawa –Eichelberger	No.	Name	Mag.	Dec.	Right Ascension 1925·0 Ottawa Ledgers	Ottawa –Eichelberger
			° ′	h m s	s				° ′	h m s	s
F 1	γ Pegs	2·9	+14 46·0	0 9 22·247	+0·019	F 34	ε Tauri	3·6	+19 0·9	24 14·009	− ·003
F 2	ι Ceti	3·8	− 9 14·4	15 36·408	+ ·021	F 35	α Tauri	1·1	+16 21·6	31 36·833	− ·008
F 3	13 Ceti	5·2	− 4 0·3	31 23·179	− ·013	F 36	μ Erid	4·2	− 3 23·5	41 45·017	+ ·007
F 4	δ Psc	4·6	+ 7 10·6	44 47·303	− ·015	F 37	π^5 Orio	3·9	+ 2 19·1	50 20·539	− ·002
F 5	20 Ceti	4·9	− 1 33·1	49 10·433	+ ·036	F 38	β Erid	2·9	− 5 10·9	5 4 9·650	− ·001
F 6	ε Psc	4·4	+ 7 29·2	59 2·877	+ ·009	F 39	β Orio	0·3	− 8 17·2	10 55·919	− ·005
F 7	η Ceti	3·6	−10 34·8	1 4 48·976	− ·012	F 40	τ Orio	3·7	− 6 55·4	13 57·780	− ·009
F 8	89 Psc	5·3	+ 3 13·2	13 55·675	+ ·003	F 41	γ Orio	1·7	+ 6 17·0	21 6·401	+ ·011
F 9	θ Ceti	3·8	− 8 34·2	20 16·408	− ·015	F 42	δ Orio	2·5	− 0 21·2	28 10·391	− ·010
F 10	η Psc	3·7	+14 57·6	27 27·963	− ·004	F 43	ε Orio	1·8	− 1 15·0	32 24·385	+ ·011
F 11	ν Psc	4·7	+ 5 6·5	37 31·542	+ ·025	F 44	κ Orio	2·2	− 9 41·7	44 11·884	− ·020
F 12	ο Psc	4·5	+ 8 46·9	41 25·799	+ ·003	F 45	α Orio	0·5-1·1	+ 7 23·7	51 6·608	− ·005
F 13	ζ Ceti	3·9	−10 42·3	47 45·432	+ ·004	F 46	ν Orio	4·4	+14 46·7	6 3 17·297	+ ·000
F 14	ξ Psc	4·8	+ 2 49·1	49 40·209	+ ·002	F 47	5 Mono	4·1	− 6 15·0	11 11·776	+ ·015
F 15	β Arie	2·7	+20 26·5	50 29·532	+ ·007	F 48	8 Mono	4·5	+ 4 37·9	19 47·576	+ ·034
F 16	ξ^1 Ceti	4·5	+ 8 29·7	2 9 1·291	+ ·018	F 49	10 Mono	5·0	− 4 42·9	24 15·281	+ ·013
F 17	θ Arie	5·7	+19 33·3	13 56·920	− ·003	F 50	γ Gemi	1·9	+16 27·9	33 22·729	+ ·007
F 18	ξ^2 Ceti	4·3	+ 8 7·5	24 10·074	+ ·004	F 51	ξ Gemi	3·4	+12 58·7	41 4·765	+ ·003
F 19	δ Ceti	4·0	+ 0 0·4	35 38·133	− ·002	F 52	θ C. Maj	4·2	−11 56·6	50 42·247	− ·018
F 20	μ Ceti	4·4	+ 9 48·0	40 53·046	+ ·000	F 53	ζ Gemi	3·7-4·1	+20 40·9	59 39·645	+ ·001
F 21	η Erid	4·0	− 9 11·7	52 45·691	+ ·000	F 54	γ C. Maj	4·1	−15 31·3	7 0 21·809	− ·049
F 22	α Ceti	2·8	+ 3 47·8	58 21·386	+ ·019	F 55	22 Mono	4·1	− 0 22·0	8 2·008	− ·005
F 23	δ Arie	4·5	+19 26·6	3 7 20·118	− ·022	F 56	λ Gemi	3·6	+16 40·6	13 46·966	− ·012
F 24	ο Tauri	3·8	+ 8 46·0	20 46·432	+ ·006	F 57	β C. Min	3·1	+ 8 26·5	23 4·996	− ·001
F 25	5 Tauri	4·3	+12 40·8	26 43·698	− ·015	F 58	6 C. Maj	4·8	+12 9·8	25 37·317	+ ·015
F 26	ε Erid	3·8	− 9 42·7	29 23·713	+ ·007	F 59	25 Mono	5·2	− 3 56·5	33 32·912	+ ·015
F 27	δ Erid	3·7	−10 1·0	39 39·178	− ·039	F 60	α C. Min	0·5	+ 5 25·1	35 22·591	+ ·026
F 28	γ Erid	3·2	−13 43·3	54 31·693	− ·020	F 61	9 Pupp	5·3	−13 41·9	48 17·858	+ ·014
F 29	λ Tauri	3·8-4·2	+12 16·8	56 31·306	+ ·010	F 62	8 Canc	5·1	+13 20·0	8 0 53·856	− ·009
F 30	ν Tauri	3·9	+ 5 46·9	59 9·810	− ·008	F 63	β Canc	3·8	+ 9 25·1	12 26·910	+ ·002
F 31	o^1 Erid	4·1	− 7 1·9	4 8 12·140	+ ·002	F 64	30 Mono	4·0	− 3 39·6	21 54·759	− ·006
F 32	γ Tauri	3·9	+15 26·9	15 31·292	+ ·001	F 65	β Hyda	4·2	+ 5 58·0	33 41·159	− ·010
F 33	δ Tauri	3·9	+17 22·1	18 36·341	− ·015	F 66	δ Canc	4·2	+18 25·9	40 25·469	− ·008

TABLE I—CLOCK STARS—*Concluded*

No.	Name	Mag.	Dec.	Right Ascension 1925·0 Ottawa Ledgers	Ottawa –Eichelberger	No.	Name	Mag.	Dec.	Right Ascension 1925·0 Ottawa Ledgers	Ottawa –Eichelberger
			° ′	h m s	s				° ′	h m s	s
F 67	ζ Hyda	3·3	+ 6 13·9	51 25·795	+ ·006	F 124	ζ Ophi	2·7	−10 25·0	33 1.566	− ·007
F 68	α Canc	4·3	+12 8·9	54 23·179	− ·002	F 125	κ Ophi	3·4	+ 9 29·4	54 6·993	+ ·017
F 69	κ Canc	5·1	+10 58·3	9 3 41·153	− ·002	F 126	η Ophi	2·6	−15 38·0	17 6 4·456	− ·011
F 70	θ Hyda	3·8	+ 2 37·9	10 27·772	+ ·004	F 127	σ Ophi	4·4	+ 4 12·3	22 47·492	+ ·014
F 71	α Hyda	2·2	− 8 20·0	23 54·067	− ·024	F 128	α Ophi	2·1	+12 36·8	31 27·084	+ ·006
F 72	ι Hyda	4·1	− 0 48·1	36 1·538	+ ·008	F 129	β Ophi	2·9	+ 4 35·8	39 45·953	+ ·002
F 73	o Leon	3·8	+10 14·1	37 8·925	− ·008	F 130	γ Ophi	3·7	+ 2 44·1	44 7·825	+ ·007
F 74	π Leon	4·9	+ 8 24·3	56 15·056	+ ·002	F 131	ν Ophi	3·5	− 9 45·9	54 53·765	− ·019
F 75	η Leon	3·6	+17 7·6	10 3 14·732	+ ·022	F 132	67 Ophi	4·0	+ 2 56·0	56 53·240	+ ·007
F 76	α Leon	1·3	+12 20·1	4 22·743	− ·006	F 133	72 Ophi	3·7	+ 9 33·1	18 3 47·550	− ·014
F 77	λ Hyda	3·8	−11 59·0	6 55·823	− ·013	F 134	η Serp	3·4	− 2 55·2	17 25·677	+ ·003
F 78	22 Sext	5·4	− 7 41·6	13 54·127	− ·012	F 135	γ Scut	4·7	−14 36·9	24 55·324	+ ·006
F 79	μ Hyda	4·1	−16 27·2	22 27·655	− ·030	F 136	1 Aqil	4·1	− 8 17·9	31 7·494	− ·016
F 80	ρ Leon	3·8	+ 9 41·6	28 51·778	+ ·004	F 137	2 Aqil	4·7	− 9 7·5	38 9·993	+ ·000
F 81	53 Leon	5·3	+10 56·6	45 18·936	+ ·000	F 138	6 Aqil	4·5	− 4 49·8	43 11·672	+ ·010
F 82	58 Leon	5·0	+ 4 1·2	56 41·230	+ ·000	F 139	θ Serp. pr	4·5	+ 4 6·3	52 29·419	+ ·008
F 83	χ Leon	4·7	+ 7 44·5	11 1 8·924	+ ·011	F 140	ε Aqil	4·2	+14 57·9	56 13·052	+ ·015
F 84	θ Leon	3·4	+15 50·4	10 18·335	+ ·003	F 141	λ Aqil	3·6	− 4 59·8	19 2 16·099	+ ·003
F 85	δ Crat	3·8	−14 22·4	15 35·326	+ ·000	F 142	ω Aqil	5·1	+11 27·5	14 17·713	+ ·016
F 86	σ Leon	4·1	+ 6 26·4	17 16·155	+ ·011	F 143	δ Aqil	3·4	+ 2 57·8	21 42·985	− ·003
F 87	υ Leon	4·5	− 0 24·6	33 6·465	+ ·003	F 144	κ Aqil	5·0	− 7 11·7	32 51·386	− ·008
F 88	β Leon	2·2	+14 59·5	45 14·073	− ·012	F 145	γ Aqil	2·8	+10 25·8	42 41·605	− ·004
F 89	β Virg	3·8	+ 2 11·2	46 47·262	+ ·000	F 146	δ Sgte	3·8	+18 20·9	44 2·543	− ·011
F 90	π Virg	4·6	+ 7 2·0	57 1·753	+ ·000	F 147	α Aqil	0·9	+ 8 40·2	47 7·423	+ ·007
F 91	o Virg	4·2	+ 9 9·0	12 1 23·300	− ·002	F 148	β Aqil	3·9	+ 6 13·1	51 37·717	− ·003
F 92	η Virg	4·0	− 0 15·0	16 4·036	+ ·002	F 149	γ Sgte	3·7	+19 17·3	55 25·240	+ ·001
F 93	δ Corv	3·1	−16 5·9	25 58·785	− ·013	F 150	θ Aqil	3·4	− 1 2·7	20 7 26·117	− ·004
F 94	24 Coma Seq	5·2	+18 47·4	31 22·063	+ ·012	F 151	α^2 Capr	3·8	−12 46·7	13 53·655	− ·016
F 95	χ Virg	4·8	− 7 35·0	35 22·355	+ ·005	F 152	β Capr	3·2	−15 1·2	16 47·934	− ·009
F 96	δ Virg	3·7	+ 3 48·3	51 49·429	− ·011	F 153	ε Dlph	4·0	+11 2·8	29 37·744	− ·006
F 97	ε Virg	3·0	+11 21·7	58 26·574	+ ·026	F 154	β Dlph	3·7	+14 20·0	34 1·883	+ ·009
F 98	θ Virg	4·5	− 5 8·3	13 6 3·833	− ·002	F 155	α Dlph	3·9	+15 38·8	36 9·201	− ·013
F 99	σ Virg	5·0	+ 5 51·9	13 48·940	− ·022	F 156	ε Aqar	3·8	− 9 46·3	43 37·026	− ·001
F 100	α Virg	1·2	−10 46·2	21 14·318	+ ·003	F 157	μ Aqar	4·8	− 9 15·9	— — ———	—
F 101	ζ Virg	3·4	− 0 12·8	30 52·150	+ ·000	F 158	ν Aqar	4·5	−11 40·6	21 5 30·586	− ·020
F 102	τ Boot	4·5	+17 49·8	43 41·815	− ·017	F 159	α Equl	4·1	+ 4 56·2	12 4·475	− ·003
F 103	η Boot	2·8	+18 46·4	51 6·743	− ·003	F 160	1 Pegs	4·3	+19 29·0	18 36·984	− ·003
F 104	τ Virg	4·3	+ 1 54·4	57 49·621	− ·006	F 161	β Aqar	3·1	− 5 54·1	27 36·744	+ ·050
F 105	κ Virg	4·3	− 9 55·5	14 8 53·461	− ·009	F 162	ξ Aqar	4·8	− 8 11·5	33 45·612	− ·003
F 106	α Boot	0·2	+19 34·3	12 14·353	+ ·005	F 163	ε Pegs	2·5	+ 9 31·8	40 30·112	+ ·016
F 107	λ Virg	4·6	−13 1·6	15 2·841	− ·003	F 164	δ Capr	3·0	−16 28·1	42 54·193	− ·012
F 108	φ Virg	5·0	− 1 53·6	24 20·100	+ ·000	F 165	μ Capr	5·2	−13 54·3	49 12·519	− ·019
F 109	μ Virg	4·0	− 5 20·0	39 6·267	+ ·008	F 166	α Aqar	3·2	− 0 41·1	22 1 55·926	+ ·001
F 110	109 Virg	3·8	+ 2 12·5	42 27·270	+ ·005	F 167	θ Pegs	3·7	+ 5 49·7	6 24·966	+ ·012
F 111	α^2 Libr	2·9	−15 43·9	46 43·485	− ·023	F 168	θ Aqar	4·3	− 8 9·4	12 52·626	+ ·007
F 112	δ Libr	4·8-6·2	− 8 13·3	56 57·709	+ ·010	F 169	γ Aqar	4·0	− 1 45·9	17 46·967	+ ·003
F 113	β Libr	2·7	− 9 6·4	15 12 58·038	− ·008	F 170	σ Aqar	4·9	−11 3·7	26 40·744	− ·015
F 114	γ Libr	4·0	−14 32·4	31 18·588	− ·009	F 171	η Aqar	4·1	− 0 30·3	31 30·135	− ·007
F 115	α Serp	2·8	+ 6 39·6	40 34·311	+ ·030	F 172	ζ Pegs	3·6	+10 26·4	37 43·208	+ ·008
F 116	β Serp	3·7	+15 39·3	42 43·442	+ ·008	F 173	λ Aqar	3·8	− 7 58·7	48 42·134	+ ·001
F 117	μ Serp	3·6	− 3 12·1	45 42·185	− ·013	F 174	α Pegs	2·6	+14 48·1	23 1 1·360	− ·002
F 118	ε Serp	3·8	+ 4 42·1	47 4·485	− ·014	F 175	φ Aqar	4·4	− 6 27·2	10 26·320	+ ·015
F 119	γ Serp	3·9	+15 54·3	52 59·174	− ·013	F 176	γ Pisc	3·8	+ 2 52·3	13 16·596	+ ·006
F 120	δ Ophi	3·0	− 3 30·1	16 10 24·754	+ ·005	F 177	κ Pisc	4·9	+ 0 50·7	23 5·214	+ ·004
F 121	ε Ophi	3·3	− 4 30·6	14 21·003	− ·007	F 178	ι Pisc	4·3	+ 5 13·2	36 5·483	+ ·011
F 122	γ Herc	3·8	+19 19·7	18 36·576	+ ·008	F 179	φ Pegs	5·2	+18 42·2	48 40·133	− ·015
F 123	β Herc	2·8	+21 39·1	26 59·631	+ ·001	F 180	ω Pisc	4·0	+ 6 26·9	55 27·496	+ ·010

TABLE II—$\Delta\alpha$ (OTTAWA—EICHELBERGER)

R.A.	$\Delta\alpha$	R.A.	$\Delta\alpha$	R.A.	$\Delta\alpha$
h h	s	h h	s	h h	s
0 — 1	+0·009	8 — 9	−0·004	16 — 17	+0·003
1 — 2	+ ·001	9 — 10	− ·003	17 — 18	+ ·001
2 — 3	+ ·005	10 — 11	− ·004	18 — 19	+ ·001
3 — 4	− ·010	11 — 12	+ ·002	19 — 20	+ ·000
4 — 5	− ·003	12 — 13	+ ·003	20 — 21	− ·006
5 — 6	− ·003	13 — 14	− ·007	21 — 22	+ ·001
6 — 7	+ ·007	14 — 15	− ·001	22 — 23	+ ·001
7 — 8	− ·000	15 — 16	− ·003	23 — 24	+ ·004

The accidental differences between the right ascensions of Eichelberger and the Ottawa ledgers are in all cases small, while Table II indicates these do not seem to be dependent on the right ascension. The Ottawa places are, however, affected by the periodic errors in right ascension introduced through the mean places of Eichelberger.

The collimation, azimuth, and level were applied in the same manner as the previous program and are described in Volume XV, No. 1 of these Publications. The pivot errors shown therein were also applied.

Table III gives the stars and their positions for 1925, as used to determine the azimuth corrections for the instrument. A comparison is also given between the observed and the adopted positions.

TABLE III—AZIMUTH STARS AS ADOPTED FOR DETERMINATIONS OF AZIMUTH

	Name	R. A. 1925			Dec. 1925			Observed —Adopted
		h	m	s	°	′	″	s
43	H Ceph.	0	58	11·007	85	51	20·6	−0·003
α	U. Min.	1	34	13·474	88	54	11·1	+ ·259
	Gr. 642	3	42	25·194	86	24	46·1	+ ·051
	Gr. 750	4	12	24·222	85	21	23·4	− ·052
	Gr. 944	5	37	43·199	85	9	46·7	− ·016
51	H Ceph.	7	5	56·848	87	10	10·3	+ ·119
25	H Camel.	7	15	23·766	82	33	38·5	− ·033
	Gr. 1119	8	23	37·352	88	51	28·6	− ·118
1	H Drac.	9	26	31·621	81	39	35·8	− ·017
29	H Caml.	10	18	59·873	84	38	4·7	+ ·086
30	H Caml.	10	22	5·032	82	56	28·4	+ ·008
	Br. 1672	12	14	31·734	88	6	56·5	+ ·401
32^2	H Caml.	12	48	33·902	83	49	13·8	− ·005
	Gr. 2283	15	1	7·521	87	31	18·6	− ·245
ε	U. Min.	16	53	35·480	82	9	47·2	+ ·053
δ	U. Min.	17	56	25·156	86	36	50·0	− ·080
λ	U. Min.	18	52	56·285	89	1	42·2	− ·167
76	Drac.	20	48	6·917	82	15	17·6	− ·027
	Gr. 3548	21	14	36·557	86	43	44·7	+ ·039
32	H Ceph.	22	19	30·272	85	43	53·1	− ·151
39	H Ceph.	23	27	43·318	86	53	37·8	+ ·014

The clamp differences for all zones were investigated by using the stars in the program that were common to Eichelberger. These were brought to the epoch 1925, using Eichelberger proper motions, and were compared by declinations, weighting them by the usual probability formula $\frac{m+n}{m\,n}$. Table IV shows the comparison and the corrections which were applied.

TABLE IV—$\Delta\,\alpha$ (CLAMP WEST-CLAMP EAST) Cos δ

Decl.	$\Delta\alpha$(Cl. W. - Cl. E.) Cos. δ	Wt.	Adopted $\Delta\alpha$(Cl. W. - Cl. E.) Cos. δ	Decl.	$\Delta\alpha$(Cl. W. - Cl. E.) Cos. δ	Wt.	Adopted $\Delta\alpha$(Cl. W. - Cl. E.) Cos. δ
°	s		s	°	s		s
60 L	.....	.....	+0·014	45	+0·019	34	+0·016
65 L	+0·030	11	+ ·012	40	.....	.....	+ ·015
70 L	.....	.....	+ ·010	35	+ ·021	26	+ ·013
75 L	+ ·011	5	+ ·008	30	.....	.....	+ ·011
80 L	.....	.....	+ ·004	25	+ ·007	53	+ ·009
85 L	+ ·001	424	+ ·000	20	.....	.....	+ ·007
90	.....	.....	+ ·000	15	+ ·001	277	+ ·005
85	+ ·000	426	+ ·000	10	.....	.....	+ ·004
80	.....	.....	+ ·004	5	− ·000	336	+ ·002
75	+ ·024	7	+ ·007	0	.....	.....	+ ·000
70	.....	.....	+ ·010	− 5	− ·004	309	− ·002
65	+ ·028	17	+ ·011	−10	.....	.....	− ·005
60	.....	.....	+ ·013	−15	− ·009	162	− ·007
55	+ ·004	26	+ ·014	−20	.....	.....	− ·009
50	.....	.....	+ ·015	−25	− ·014	42	− ·011
	.....	.....	.....	−30	.....	.....	− ·013

The stars, after being corrected in the above manner, were compared above and below the pole. Since the average correction $\Delta\,\alpha$ (upper-lower) was $0^s\cdot001$, no correction was applied.

TABLE V

Wt. Means of	$\Delta\,\alpha$ (Upper-Lower)	Wt.
	s	
Azimuth Stars.....	+0·001	772
Comparison Stars		
80° to 90°.....	+ ·002	54
70° to 80°.....	− ·003	12
60° to 70°.....	+ ·004	23

The weighted mean using all the stars in Table V gave a mean value of $0^s\cdot001$ and no correction was applied for $\Delta\,\alpha$ (Upper-Lower).

DECLINATIONS

The declinations were derived from nadir readings taken at intervals of $1\frac{1}{2}$ hours, and an assumed value for the latitude of the meridian circle of 45° 23′ 39″.00.

Declinations were obtained by taking four bisections for each star, and four microscopes were used throughout the program. The corrections for division errors and micrometer screw corrections were the same as those given in these Publications, Vol. XV, No. 1.

All observations were reduced to the meridian, using the formula:—

$$-\tfrac{1}{2}\,c^2 \operatorname{Sin} 1'' \tan\delta - \text{n.c. Sin } 1'' \operatorname{Sec}\,\delta - \tfrac{1}{2}\,n^2 \operatorname{Sin} 1'' \tan\delta$$

where c is the equatorial interval in seconds of arc between the line of collimation and the thread at which the bisection was made, n being the polar deviation of the instrument.

A correction of error of run of the microscopes, and a correction for inclination of the declination wires were both obtained and applied.

REFRACTION

The refraction correction was developed from the formula, $R = R_0\,\beta^A\gamma^\lambda$ where R_0 was a mean refraction based on Bessel's Tabulae Regiomontanae, β^A and γ^λ the terms depending on the barometric pressure and the air temperature at the instrument. The values of R_0 given in Table VI for barometer at 760·52 mm., and outside temperature 10° C., are the same values used in the reduction of stars in Vol. XV, No. 1. It was incorrectly stated in that volume that Pulkowa refraction tables were used.

In Table VII are the values of Δb to correct the barometric readings for both scale and mercury expansion to 0° C.; $b_0 = b + \alpha t$ where t is the Centigrade temperature of the attached barometer.

In Tables VIII to XII are the values needed in reducing the formula $R = R_0\,\beta^A\,\gamma^\lambda$ in the logarithmic form;

$$\text{Consider } R = R_0 + (\beta^A\gamma^\lambda - 1)\,R_0,$$

$$R = R_0 + R_0\,[\log\beta + \log\gamma + (A-1)\log\beta + (\lambda-1)\log\gamma + \text{"correction"}]$$

TABLE VI—MEAN REFRACTIONS

Barometer 760·52 mm. Outside Thermometer 10° C.

Z.D.	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	Z.D.
′	″	″	″	″	″	″	″	″	″	″	″	″	″	″	″	′
0	0·00	1·02	2·04	3·06	4·08	5·10	6·13	7·16	8·20	9·23	10·28	11·33	12·39	13·46	14·54	0
1	02	04	06	08	10	12	15	18	22	25	30	35	41	48	56	1
2	03	05	07	09	11	13	16	19	23	27	32	37	43	50	58	2
3	05	07	09	11	13	15	18	21	25	28	33	38	44	51	59	3
4	07	09	11	13	15	17	20	23	27	30	35	40	46	53	61	4
5	09	11	13	15	17	19	22	25	29	32	37	42	48	55	63	5
6	10	12	14	16	18	20	23	26	30	34	39	43	50	57	65	6
7	12	14	16	18	20	22	25	28	32	35	40	45	51	59	67	7
8	14	16	18	20	22	24	27	30	34	37	42	47	53	60	68	8
9	15	17	19	21	23	25	28	32	35	39	44	49	55	62	70	9
10	0·17	1·19	2·21	3·23	4·25	5·27	6·30	7·33	8·37	9·41	10·46	11·50	12·57	13·64	14·72	10
11	19	21	23	25	27	29	32	35	39	42	47	52	59	66	74	11
12	20	22	24	26	28	31	34	37	41	44	49	54	60	68	76	12
13	22	24	26	28	30	32	35	39	42	46	51	56	62	69	77	13
14	24	26	28	30	32	34	37	40	44	48	53	58	64	71	79	14
15	26	28	30	32	34	36	39	42	46	49	54	60	66	73	81	15
16	27	29	31	33	35	37	40	44	47	51	56	61	68	75	83	16
17	29	31	33	35	37	39	42	45	49	53	58	63	69	77	85	17
18	31	33	35	37	39	41	44	47	51	55	60	65	71	78	86	18
19	32	34	36	38	40	43	46	49	53	56	61	67	73	80	88	19
20	0·34	1·36	2·38	3·40	4·42	5·44	6·47	7·51	8·54	9·58	10·63	11·68	12·75	13·82	14·90	20
21	36	38	40	42	44	46	49	52	56	60	65	70	76	84	92	21
22	37	39	41	43	45	48	51	54	58	62	67	72	78	86	94	22
23	39	41	43	45	47	49	52	56	59	63	68	74	80	87	95	23
24	41	43	45	47	49	51	54	58	61	65	70	75	82	89	97	24
25	43	45	47	49	51	53	56	59	63	67	72	77	84	91	99	25
26	44	46	48	50	52	55	58	61	65	69	74	79	85	93	15·01	26
27	46	48	50	52	54	56	59	63	66	70	75	81	87	95	03	27
28	48	50	52	54	56	58	61	65	68	72	77	82	89	96	04	28
29	49	51	53	55	57	60	63	66	70	74	79	84	91	98	06	29
30	0·51	1·53	2·55	3·57	4·59	5·62	6·65	7·68	8·72	9·76	10·81	11·86	12·93	14·00	15·08	30
31	53	55	57	59	61	63	66	70	73	77	82	88	94	02	10	31
32	54	56	58	60	62	65	68	71	75	79	84	90	96	04	12	32
33	56	58	60	62	64	67	70	73	77	81	86	91	98	05	13	33
34	58	60	62	64	66	68	71	75	78	83	88	93	13·00	07	15	34
35	60	62	64	66	68	70	73	77	80	84	89	95	01	09	17	35
36	61	63	65	67	69	72	75	78	82	86	91	97	03	11	19	36
37	63	65	67	69	71	74	77	80	84	88	93	98	05	13	21	37
38	65	67	69	71	73	75	78	82	85	90	95	12·00	07	14	22	38
39	66	68	70	72	74	77	80	84	87	91	96	02	09	16	24	39
40	0·68	1·70	2·72	3·74	4·76	5·79	6·82	7·85	8·89	9·93	10·98	12·04	13·10	14·18	15·26	40
41	70	72	74	76	78	80	83	87	90	95	11·00	05	12	20	28	41
42	71	73	75	77	79	82	85	89	92	97	02	07	14	22	30	42
43	73	75	77	79	81	84	87	91	94	98	03	09	16	23	31	43
44	75	77	79	81	83	86	89	92	96	10·00	05	11	17	25	33	44
45	77	79	81	83	85	87	90	94	97	02	07	13	19	27	35	45
46	78	80	82	84	86	89	92	96	99	04	09	14	21	29	37	46
47	80	82	84	86	88	91	94	97	9·01	05	10	16	23	31	39	47
48	82	84	86	88	90	92	95	99	02	07	12	18	25	32	40	48
49	83	85	87	89	91	94	97	8·01	04	09	14	20	26	34	42	49
50	0·85	1·87	2·89	3·91	4·93	5·96	6·99	8·03	9·06	10·11	11·16	12·21	13·28	14·36	15·44	50
51	87	89	91	93	95	98	7·01	04	08	12	17	23	30	38	46	51
52	88	90	92	94	96	99	02	06	09	14	19	25	32	40	48	52
53	90	92	94	96	98	6·01	04	08	11	16	21	27	34	41	49	53
54	92	94	96	98	5·00	03	06	10	13	18	23	28	35	43	51	54
55	94	96	98	4·00	02	04	07	11	14	19	24	30	37	45	53	55
56	95	97	99	01	03	06	09	13	16	21	26	32	39	47	55	56
57	97	99	3·01	03	05	08	11	15	18	23	28	34	41	49	57	57
58	99	2·01	03	05	07	10	13	17	20	25	30	35	42	50	58	58
59	1·00	02	04	06	08	11	14	18	21	26	31	37	44	52	60	59
60	1·02	2·04	3·06	4·08	5·10	6·13	7·16	8·20	9·23	10·28	11·33	12·39	13·46	14·54	15·62	60

TABLE VI—MEAN REFRACTIONS—*Continued*
Barometer 760·52 mm. Outside Thermometer 10° C.—*Continued*

Z.D.	15°	16°	17°	18°	19°	20°	21°	22°	23°	24°	25°	26°	27°	28°	29°	Z.D.
′	″	″	″	″	″	″	″	″	″	″	″	″	″	″	″	′
0	15·62	16·72	17·83	18·94	20·07	21·22	22·38	23·55	24·74	25·95	27·18	28·43	29·70	30·99	32·31	0
1	64	74	85	96	09	24	40	57	76	97	20	45	72	31·01	33	1
2	66	76	87	98	11	26	42	59	78	99	22	47	74	03	35	2
3	67	78	89	19·00	13	28	44	61	80	26·01	24	49	76	06	38	3
4	69	79	90	02	15	30	46	63	82	03	26	51	79	08	40	4
5	71	81	92	03	17	32	48	65	84	05	28	54	81	10	42	5
6	73	83	94	05	18	34	50	67	86	07	30	56	83	12	44	6
7	75	85	96	07	20	36	52	69	88	09	33	58	85	14	47	7
8	77	87	98	09	22	37	54	71	90	11	35	60	87	17	49	8
9	78	89	18·00	11	24	39	56	73	92	13	37	62	89	19	51	9
10	15·80	16·90	18·01	19·13	20·26	21·41	22·57	23·75	24·94	26·15	27·39	28·64	29·91	31·21	32·53	10
11	82	92	03	15	28	43	59	77	96	18	41	66	94	23	56	11
12	84	94	05	17	30	45	61	79	98	20	43	68	96	25	58	12
13	86	96	07	18	32	47	63	81	25·00	22	45	71	98	28	60	13
14	88	98	09	20	34	49	65	83	02	24	47	73	30·00	30	62	14
15	89	17·00	11	22	36	51	67	85	04	26	49	75	02	32	64	15
16	91	02	13	24	38	53	69	87	06	28	51	77	04	34	67	16
17	93	03	14	26	40	55	71	89	08	30	53	79	07	36	69	17
18	95	05	16	28	41	57	73	91	10	32	55	81	09	39	71	18
19	97	07	18	30	43	59	75	93	12	34	58	83	11	41	73	19
20	15·99	17·09	18·20	19·32	20·45	21·61	22·77	23·95	25·14	26·36	27·60	28·85	30·13	31·43	32·76	20
21	16·00	11	22	34	47	63	79	97	16	38	62	87	15	45	78	21
22	02	13	24	35	49	65	81	99	18	40	64	90	17	47	80	22
23	04	15	26	37	51	66	83	24·01	20	42	66	92	19	50	82	23
24	06	16	27	39	53	68	85	03	22	44	68	94	22	52	85	24
25	08	18	29	41	55	70	87	05	24	46	70	96	24	54	87	25
26	10	20	31	43	57	72	89	07	26	48	72	98	26	56	89	26
27	11	22	33	45	59	74	91	09	28	50	74	29·00	28	58	91	27
28	13	24	35	47	61	76	93	11	30	52	76	02	30	61	94	28
29	15	26	37	49	63	78	95	13	32	54	78	04	32	63	96	29
30	16·17	17·27	18·38	19·50	20·64	21·80	22·96	24·14	25·34	26·56	27·80	29·06	30·34	31·65	32·98	30
31	19	29	40	52	66	82	98	16	37	59	83	09	37	67	33·00	31
32	21	31	42	54	68	84	23·00	18	39	61	85	11	39	69	02	32
33	22	33	44	56	70	86	02	20	41	63	87	13	41	72	05	33
34	24	35	46	58	72	88	04	22	43	65	89	15	43	74	07	34
35	26	37	48	60	74	90	06	24	45	67	91	17	45	76	09	35
36	28	39	50	62	76	92	08	26	47	69	93	19	47	78	11	36
37	30	40	51	64	78	94	10	28	49	71	95	21	50	80	14	37
38	32	42	53	66	80	95	12	30	51	73	97	23	52	83	16	38
39	33	44	55	67	82	97	14	32	53	75	99	26	54	85	18	39
40	16·35	17·46	18·57	19·69	20·84	21·99	23·16	24·34	25·55	26·77	28·01	29·28	30·56	31·87	33·20	40
41	37	48	59	71	86	22·01	18	36	57	79	03	30	58	89	23	41
42	39	50	61	73	87	03	20	38	59	81	05	32	60	91	25	42
43	41	52	63	75	89	05	22	40	61	83	08	34	62	94	27	43
44	43	53	64	77	91	07	24	42	63	85	10	36	65	96	29	44
45	44	55	66	79	93	09	26	44	65	87	12	38	67	98	31	45
46	46	57	68	81	95	11	28	46	67	89	14	40	69	32·00	34	46
47	48	59	70	83	97	13	30	48	69	91	16	42	71	02	36	47
48	50	61	72	84	99	15	32	50	71	93	18	45	73	05	38	48
49	52	63	74	86	21·01	17	34	52	73	95	20	47	75	07	40	49
50	16·54	17·64	18·75	19·88	21·03	22·19	23·35	24·54	25·75	26·97	28·22	29·49	30·77	32·09	33·43	50
51	55	66	77	90	05	21	37	56	77	27·00	24	51	80	11	45	51
52	57	68	79	92	07	23	39	58	79	02	26	53	82	13	47	52
53	59	70	81	94	09	24	41	60	81	04	28	55	84	16	49	53
54	61	72	83	96	10	26	43	62	83	06	30	57	86	18	52	54
55	63	74	85	98	12	28	45	64	85	08	33	59	88	20	54	55
56	65	76	87	99	14	30	47	66	87	10	35	62	90	22	56	56
57	66	77	88	20·01	16	32	49	68	89	12	37	64	93	24	58	57
58	68	79	90	03	18	34	51	70	91	14	39	66	95	27	61	58
59	70	81	92	05	20	36	53	72	93	16	41	68	97	29	63	59
60	16·72	17·83	18·94	20·07	21·22	22·38	23·55	24·74	25·95	27·18	28·43	29·70	30·99	32·31	33·65	60

TABLE VI—MEAN REFRACTIONS—*Continued*
Barometer 760·52 mm. Outside Thermometer 10° C.—*Continued*

Z.D.	30°	31°	32°	33°	34°	35°	36°	37°	38°	39°	40°	41°	42°	43°	44°	Z.D.
′	″	″	″	″	″	″	″	″	″	″	″	″	″	″	″	′
0	33·65	35·02	36·41	37·84	39·30	40·80	42·33	43·90	45·52	47·17	48·88	50·63	52·44	54·31	56·24	0
1	67	04	43	86	32	83	36	93	55	20	91	66	47	34	27	1
2	70	07	46	89	35	85	38	95	57	23	94	69	50	37	31	2
3	72	09	48	91	37	88	41	98	60	25	97	72	53	40	34	3
4	74	11	50	94	40	90	43	44·01	63	28	49·00	75	56	44	37	4
5	76	13	53	96	42	93	46	03	66	31	02	78	59	47	40	5
6	79	16	55	98	45	95	49	06	68	34	05	81	63	50	44	6
7	81	18	58	38·01	47	98	51	09	71	37	08	84	66	53	47	7
8	83	20	60	03	50	41·00	54	11	74	40	11	87	69	56	50	8
9	85	23	62	06	52	03	56	14	77	42	14	90	72	59	54	9
10	33·88	35·25	36·65	38·08	39·55	41·05	42·59	44·17	45·79	47·45	49·17	50·93	52·75	54·63	56·57	10
11	90	27	67	10	57	08	62	19	82	48	20	96	78	66	60	11
12	92	30	69	13	60	10	64	22	85	51	23	99	81	69	64	12
13	94	32	72	15	62	13	67	25	88	54	26	51·02	84	72	67	13
14	97	34	74	18	65	15	69	27	90	57	29	05	87	75	70	14
15	99	36	76	20	67	18	72	30	93	59	31	08	90	78	73	15
16	34·01	39	79	22	69	21	75	33	96	62	34	11	94	82	77	16
17	04	41	81	25	72	23	77	35	98	65	37	14	97	85	80	17
18	06	43	84	27	74	26	80	38	46·01	68	40	17	53·00	88	83	18
19	08	46	86	30	77	28	82	41	04	71	43	20	03	91	87	19
20	34·10	35·48	36·88	38·32	39·79	41·31	42·85	44·43	46·07	47·74	49·46	51·23	53·06	54·94	56·90	20
21	13	50	91	34	82	33	88	46	09	76	49	26	09	97	93	21
22	15	53	93	37	84	36	90	49	12	79	52	29	12	55·01	97	22
23	17	55	95	39	87	38	93	51	15	82	55	32	15	04	57·00	23
24	19	57	98	42	89	41	95	54	18	85	58	35	18	07	03	24
25	22	59	37·00	44	92	43	98	57	20	88	60	38	21	10	06	25
26	24	62	03	46	94	46	43·01	59	23	91	63	41	25	13	10	26
27	26	64	05	49	97	48	03	62	26	93	66	44	28	16	13	27
28	28	66	07	51	99	51	06	65	29	96	69	47	31	20	16	28
29	31	69	10	54	40·02	53	08	67	31	99	72	50	34	23	20	29
30	34·33	35·71	37·12	38·56	40·04	41·56	43·11	44·70	46·34	48·02	49·75	51·53	53·37	55·26	57·23	30
31	35	73	14	58	07	59	14	73	37	05	78	56	40	29	26	31
32	38	76	17	61	09	61	16	75	40	08	81	59	43	33	30	32
33	40	78	19	63	12	64	19	78	42	11	84	62	46	36	33	33
34	42	80	22	66	14	66	22	81	45	13	87	65	50	39	36	34
35	44	83	24	68	17	69	24	84	48	16	90	68	53	42	40	35
36	47	85	26	71	19	71	27	86	51	19	93	71	56	46	43	36
37	49	87	29	73	22	74	29	89	53	22	96	74	59	49	46	37
38	51	90	31	76	24	77	32	92	56	25	98	77	62	52	50	38
39	54	92	34	78	27	79	35	95	59	28	50·01	80	65	55	53	39
40	34·56	35·94	37·36	38·81	40·29	41·82	43·37	44·97	46·62	48·31	50·04	51·83	53·68	55·59	57·56	40
41	58	97	38	83	32	84	40	45·00	64	34	07	86	71	62	60	41
42	61	99	41	86	34	87	43	03	67	36	10	89	75	65	63	42
43	63	36·01	43	88	37	89	45	06	70	39	13	92	78	68	66	43
44	65	04	46	91	39	92	48	08	73	42	16	95	81	72	70	44
45	67	06	48	93	42	94	50	11	75	45	19	98	84	75	73	45
46	70	08	50	95	45	97	53	14	78	48	22	52·02	87	78	76	46
47	72	11	53	98	47	42·00	56	16	81	51	25	05	90	82	80	47
48	74	13	55	39·00	50	02	58	19	84	54	28	08	93	85	83	48
49	77	15	58	03	52	05	61	22	87	56	31	11	97	88	86	49
50	34·79	36·18	37·60	39·05	40·55	42·07	43·64	45·25	46·89	48·59	50·34	52·14	54·00	55·91	57·90	50
51	81	20	62	08	57	10	66	27	92	62	37	17	03	95	93	51
52	84	22	65	10	60	12	69	30	95	65	40	20	06	98	96	52
53	86	25	67	13	62	15	72	33	98	68	42	23	09	56·01	58·00	53
54	88	27	70	15	65	18	74	36	47·00	71	45	26	12	04	03	54
55	90	29	72	18	67	20	77	38	03	74	48	29	15	08	06	55
56	93	32	74	20	70	23	79	41	06	77	51	32	18	11	10	56
57	95	34	77	23	72	25	82	44	09	79	54	35	22	14	13	57
58	97	36	79	25	75	28	85	47	11	82	57	38	25	17	16	58
59	35·00	39	82	28	78	30	87	49	14	85	60	41	28	21	20	59
60	35·02	36·41	37·84	39·30	40·80	42·33	43·90	45·52	47·17	48·88	50·63	52·44	54·31	56·24	58·23	60

TABLE VI—MEAN REFRACTIONS—*Continued*
Barometer 760·52 mm. Outside Thermometer 10° C.—*Continued*

Z.D.	45°	46°	47°	48°	49°	50°	51°	52°	53°	54°	55°	56°	57°	58°	59°	Z.D.
′	″	″	″	″	″	″	″	″	″	″	″	″	″	″	″	′
0	58·23	60·29	62·43	64·65	66·96	69·36	71·87	74·48	77·21	80·06	83·06	86·21	89·52	93·02	96·71	0
1	26	33	47	69	67·00	40	91	52	26	11	11	26	58	08	77	1
2	30	36	50	73	04	44	96	57	30	16	16	32	63	14	84	2
3	33	40	54	76	08	48	72·00	61	35	21	21	37	69	20	90	3
4	37	43	58	80	12	53	04	66	40	26	27	43	75	26	97	4
5	40	47	61	84	16	57	08	70	44	31	32	48	80	32	97·03	5
6	43	50	65	88	20	61	13	75	49	36	37	53	86	38	09	6
7	47	54	69	92	24	65	17	79	54	41	42	59	92	44	16	7
8	50	57	72	96	27	69	21	84	59	45	47	64	97	49	22	8
9	54	61	76	99	31	73	26	88	63	50	52	70	90·03	55	29	9
10	58·57	60·64	62·80	65·03	67·35	69·77	72·30	74·93	77·68	80·55	83·57	86·75	90·09	93·61	97·35	10
11	60	68	83	07	39	81	34	97	73	60	63	80	14	67	41	11
12	64	71	87	11	43	86	39	75·02	77	65	68	86	20	73	48	12
13	67	75	91	15	47	90	43	06	82	70	73	91	26	79	54	13
14	71	78	94	19	51	94	47	11	87	75	78	97	31	85	61	14
15	74	82	98	22	55	98	51	15	91	80	83	87·02	37	91	67	15
16	77	86	63·02	26	59	70·02	56	20	96	85	88	07	43	97	73	16
17	81	89	05	30	63	06	60	24	78·01	90	94	13	49	94·03	80	17
18	84	93	09	34	67	10	64	29	06	95	99	18	54	10	86	18
19	88	96	13	38	71	15	69	33	10	81·00	84·04	24	60	16	93	19
20	58·91	61·00	63·16	65·42	67·75	70·19	72·73	75·38	78·15	81·05	84·09	87·29	90·66	94·22	97·99	20
21	94	03	20	45	79	23	77	42	20	10	15	35	72	28	98·06	21
22	98	07	24	49	83	27	82	47	24	15	20	40	78	34	12	22
23	59·01	10	27	53	86	31	86	51	29	19	25	46	83	41	19	23
24	05	14	31	57	90	35	90	56	34	24	30	51	89	47	25	24
25	08	17	35	61	94	39	94	60	38	29	36	57	95	53	32	25
26	11	21	38	65	98	43	99	65	43	34	41	62	91·01	59	38	26
27	15	24	42	68	68·02	48	73·03	69	48	39	46	68	07	65	45	27
28	18	28	46	72	06	52	07	74	53	44	51	73	12	72	51	28
29	22	31	49	76	10	56	12	78	57	49	57	79	18	78	58	29
30	59·25	61·35	63·53	65·80	68·14	70·60	73·16	75·83	78·62	81·54	84·62	87·84	91·24	94·84	98·64	30
31	28	39	57	84	18	64	20	88	67	59	67	90	30	90	71	31
32	32	42	60	88	22	68	25	92	72	64	72	95	36	96	77	32
33	35	46	64	92	26	73	29	97	76	69	78	88·01	42	95·03	84	33
34	39	49	68	95	30	77	34	76·01	81	74	83	06	47	09	90	34
35	42	53	72	99	34	81	38	06	86	79	88	12	53	15	97	35
36	46	57	75	66·03	38	85	42	11	91	84	93	17	59	21	99·03	36
37	49	60	79	07	42	90	47	15	96	89	98	23	65	27	10	37
38	53	64	83	11	47	94	51	20	79·00	94	85·04	28	71	34	16	38
39	56	67	87	15	51	98	56	24	05	82·00	09	34	77	40	23	39
40	59·60	61·71	63·90	66·19	68·55	71·02	73·60	76·29	79·10	82·05	85·14	88·39	91·83	95·46	99·29	40
41	63	75	94	23	59	07	64	34	15	10	19	45	89	52	36	41
42	67	78	98	26	63	11	69	38	20	15	24	50	94	58	42	42
43	70	82	64·02	30	67	15	73	43	24	20	30	56	92·00	65	49	43
44	74	85	05	34	71	19	78	47	29	25	35	61	06	71	55	44
45	77	89	09	38	75	23	82	52	34	30	40	67	12	77	62	45
46	80	93	13	42	79	28	86	57	39	35	45	73	18	83	69	46
47	84	96	16	46	83	32	91	61	44	40	51	78	24	90	75	47
48	87	62·00	20	50	87	36	95	66	48	45	56	84	30	96	82	48
49	91	03	24	53	91	40	74·00	70	53	50	62	90	36	96·02	89	49
50	59·94	62·07	64·28	66·57	68·95	71·45	74·04	76·75	79·58	82·55	85·67	88·95	92·42	96·08	99·95	50
51	98	11	31	61	99	49	08	80	63	60	72	89·01	48	15	100·02	51
52	60·01	14	35	65	69·03	53	13	84	68	65	78	07	54	21	09	52
53	05	18	39	69	08	57	17	88	72	71	83	12	60	27	15	53
54	08	21	43	73	12	62	22	93	77	76	89	18	66	33	22	54
55	12	25	46	77	16	66	26	98	82	81	94	24	72	40	29	55
56	15	29	50	81	20	70	30	77·03	87	86	99	29	78	46	35	56
57	19	32	54	84	24	74	35	07	92	91	86·05	35	84	52	42	57
58	22	36	58	88	28	79	39	12	96	96	10	41	90	58	49	58
59	26	39	61	92	32	83	44	16	80·01	83·01	16	46	96	65	55	59
60	60·29	62·43	64·65	66·96	69·36	71·87	74·48	77·21	80·06	83·06	86·21	89·52	93·02	96·71	100·62	60

TABLE VI—MEAN REFRACTIONS—*Concluded*

Barometer 760·52 mm. Outside Thermometer 10° C.—*Concluded*

Z.D.	60°	61°	62°	63°	64°	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	Z.D.
′	″	″	″	″	″	″	″	″	″	″	″	″	″	″	″	′
0	100·62	104·77	109·19	113·90	118·94	124·35	130·17	136·45	143·26	150·67	158·76	167·65	177·44	188·33	200·46	0
1	69	84	27	98	119·03	44	27	56	38	80	90	81	61	52	67	1
2	76	91	34	114·06	12	54	37	67	50	93	159·05	96	79	72	89	2
3	82	99	42	15	20	63	47	78	62	151·06	19	168·12	96	91	201·10	3
4	89	105·06	50	23	29	73	57	89	74	19	33	27	178·14	189·10	32	4
5	96	13	57	31	38	82	68	137·00	85	32	47	43	31	29	53	5
6	101·03	20	65	39	47	92	78	11	97	45	62	59	48	49	75	6
7	10	27	73	47	56	125·01	88	22	144·09	58	76	74	66	68	96	7
8	16	35	80	56	64	11	98	33	21	71	90	90	83	87	202·18	8
9	23	42	88	64	73	20	131·08	44	33	84	160·05	169·05	179·01	190·07	39	9
10	101·30	105·49	109·96	114·72	119·82	125·30	131·18	137·55	144·45	151·97	160·19	169·21	179·18	190·26	202·61	10
11	37	56	110·03	80	91	39	28	66	57	152·10	33	37	36	46	83	11
12	44	63	11	88	120·00	49	38	77	69	23	48	53	53	65	203·05	12
13	50	71	19	97	08	58	49	88	81	36	62	69	71	85	27	13
14	57	78	26	115·05	17	68	59	99	93	49	77	85	89	191·04	49	14
15	64	85	34	13	26	77	69	138·10	145·06	63	91	170·00	180·06	24	71	15
16	71	92	42	21	35	87	79	22	18	76	161·05	16	24	44	94	16
17	78	106·00	49	30	44	96	89	33	30	89	20	32	42	63	204·16	17
18	85	07	57	38	53	126·06	132·00	44	42	153·02	34	48	60	83	38	18
19	91	15	65	46	61	15	10	55	54	15	49	64	77	192·02	60	19
20	101·98	106·22	110·73	115·55	120·70	126·25	132·20	138·66	145·66	153·28	161·63	170·80	180·95	192·22	204·82	20
21	102·05	29	80	63	79	34	30	77	78	41	78	96	181 13	42	205·04	21
22	12	37	88	71	88	44	41	89	90	55	92	171·12	31	62	27	22
23	19	44	96	80	97	53	51	139·00	146·03	68	162·07	29	49	82	49	23
24	26	51	111·04	88	121·06	63	62	11	15	82	22	45	67	193·02	72	24
25	33	59	11	96	15	72	72	23	27	95	36	61	85	22	94	25
26	40	66	19	116·05	23	82	82	34	39	154·08	51	77	182·04	42	206·17	26
27	46	73	27	13	32	91	93	45	51	22	66	93	22	62	39	27
28	53	81	35	21	41	127·01	133·03	56	64	35	81	172·10	40	82	62	28
29	60	88	42	30	50	10	14	68	76	49	95	26	58	194·02	84	29
30	102·67	106·95	111·50	116·38	121·59	127·20	133·24	139·79	146·88	154·62	163·10	172·42	182·76	194·22	207·07	30
31	74	107·02	58	46	68	30	35	90	147·00	76	25	58	94	42	30	31
32	81	10	66	55	77	39	45	140·02	13	89	40	75	183·13	63	53	32
33	88	17	74	63	86	49	56	13	25	155·03	54	91	31	83	76	33
34	95	25	82	72	95	59	66	25	38	16	69	173·08	50	195·04	99	34
35	103·02	32	90	80	122·04	69	77	36	50	30	84	24	68	24	208·21	35
36	09	39	98	88	13	78	88	47	62	44	99	40	86	44	44	36
37	16	47	112·06	97	22	88	98	59	75	57	164·14	57	184·05	65	67	37
38	22	54	13	117·05	32	98	134·09	70	87	71	28	73	23	85	90	38
39	29	62	21	14	41	128·07	19	82	148·00	84	43	90	42	196·06	209·13	39
40	103·36	107·69	112·29	117·22	122·50	128·17	134·30	140·93	148·12	155·98	164·58	174·06	184·60	196·26	209·36	40
41	43	76	37	30	59	27	41	141·05	25	156·12	73	23	78	47	59	41
42	50	83	45	39	68	37	51	16	37	26	88	40	97	68	83	42
43	57	91	53	47	77	47	62	28	50	39	165·04	56	185·15	88	210·06	43
44	64	99	61	56	86	57	73	39	62	53	19	73	34	197·09	30	44
45	71	108·06	69	64	95	66	84	51	75	67	34	90	52	30	53	45
46	78	14	77	73	123·04	76	94	63	88	81	49	175·07	71	51	76	46
47	85	21	85	81	14	86	135·05	74	149·00	95	64	24	89	72	211·00	47
48	92	29	93	90	23	96	16	86	13	157·08	80	40	186·08	92	23	48
49	99	36	113·01	99	32	129·06	26	97	25	22	95	57	26	198·13	47	49
50	104·06	108·44	113·09	118·07	123·42	129·16	135·37	142·09	149·38	157·36	166·10	175·74	186·45	198·34	211·70	50
51	13	51	17	16	51	26	48	21	51	50	25	91	64	55	94	51
52	20	59	25	25	60	36	59	32	64	64	41	176·08	83	76	212·18	52
53	28	66	34	33	70	46	69	44	77	78	56	25	187·01	98	42	53
54	35	74	42	42	79	56	80	56	90	92	72	42	20	199·19	66	54
55	42	81	50	51	88	67	91	67	150·02	158·06	87	59	39	40	90	55
56	49	89	58	59	98	77	136·02	79	15	20	167·03	76	58	61	213·14	56
57	56	96	66	68	124·07	87	13	91	28	34	18	93	77	82	38	57
58	63	109·04	74	77	16	97	23	143·03	41	48	34	177·10	95	200·04	62	58
59	70	11	82	85	26	130·07	34	14	54	62	49	27	188·14	25	86	59
60	104·77	109·19	113·90	118·94	124·35	130·17	136·45	143·26	150·67	158·76	167·65	177·44	188·33	200·46	214·10	60

Z. D.		R_0	Z. D.		R_0	Z. D.		R_0
°	′	″	°	′	″	°	′	″
75	00	214·10	80	00	319·16	85	00	591·99
	15	217·78		15	326·93		15	617·19
	30	221·58		30	335·10		30	644·36
	45	225·50		45	343·65		45	673·79
76	00	229·55	81	00	352·60	86	00	705·80
	15	233·74		15	362·01		15	740·71
	30	238·07		30	371·90		30	778·82
	45	242·54		45	382·33		45	820·69
77	00	247·20	82	00	393·33	87	00	866·78
	15	252·00		15	404·92		15	917·65
	30	256·98		30	417·15		30	974·22
	45	262·15		45	430·06		45	1037·25
78	00	267·52	83	00	443·86	88	00	1107·74
	15	273·11		15	458·49		15	1187·15
	30	278·90		30	473·97		30	1277·03
	45	284·94		45	490·47			
79	00	291·20	84	00	508·07	89	00	1494·00
	15	297·76		15	526·88	90	00	2189·00
	30	304·58		30	546·99			
	45	311·70		45	568·63			

TABLE VII—CORRECTION TO BAROMETER

$$\Delta b = -\alpha t$$

b	α
mm.	mm.
720	$0·1158_{16}$
730	$·1174_{16}$
740	$·1190_{16}$
750	$·1206_{16}$
760	$·1222_{16}$
770	$·1238_{16}$
780	·1254

TABLE VIII—REFRACTION TERM DEPENDING ON BAROMETER

b_0	$\text{Log}_e\beta$	b_0	$\text{Log}_e\beta$	b_0	$\text{Log}_e\beta$
mm.		mm.		mm.	
725	$-0\cdot0478_{13}$	745	$-0\cdot0206_{13}$	765	$0\cdot0059_{13}$
726	$\cdot0465_{14}$	746	$\cdot0193_{14}$	766	$\cdot0072_{13}$
727	$\cdot0451_{14}$	747	$\cdot0179_{13}$	767	$\cdot0085_{13}$
728	$\cdot0437_{14}$	748	$\cdot0166_{13}$	768	$\cdot0098_{13}$
729	$\cdot0423_{13}$	749	$\cdot0153_{14}$	769	$\cdot0111_{13}$
730	$-0\cdot0410_{14}$	750	$-0\cdot0139_{13}$	770	$0\cdot0124_{13}$
731	$\cdot0396_{14}$	751	$\cdot0126_{13}$	771	$\cdot0137_{13}$
732	$\cdot0382_{13}$	752	$\cdot0113_{14}$	772	$\cdot0150_{13}$
733	$\cdot0369_{14}$	753	$\cdot0099_{13}$	773	$\cdot0163_{13}$
734	$\cdot0355_{14}$	754	$\cdot0086_{13}$	774	$\cdot0176_{13}$
735	$-0\cdot0341_{13}$	755	$-0\cdot0073_{13}$	775	$0\cdot0189_{13}$
736	$\cdot0328_{14}$	756	$\cdot0060_{14}$	776	$\cdot0202_{13}$
737	$\cdot0314_{13}$	757	$\cdot0046_{13}$	777	$\cdot0214_{13}$
738	$\cdot0301_{14}$	758	$\cdot0033_{13}$	778	$\cdot0227_{13}$
739	$\cdot0287_{13}$	759	$\cdot0020_{13}$	779	$\cdot0240_{13}$
740	$-0\cdot0274_{14}$	760	$-0\cdot0007_{13}$	780	0·0253
741	$\cdot0260_{13}$	761	$+\ \cdot0006_{13}$		
742	$\cdot0247_{14}$	762	$\cdot0019_{14}$		
743	$\cdot0233_{13}$	763	$\cdot0033_{13}$		
744	$\cdot0220_{14}$	764	$\cdot0046_{13}$		

TABLE IX—REFRACTION TERM DEPENDING ON TEMPERATURE

t_0	$\text{Log}_e\gamma$	t_0	$\text{Log}_e\gamma$	t_0	$\text{Log}_e\gamma$
−35°	$0\cdot1722_{41}$	−10°	$0\cdot0729_{38}$	15°	$-0\cdot0174_{35}$
−34	$\cdot1681_{42}$	− 9	$\cdot0691_{37}$	16	$-\ \cdot0209_{34}$
−33	$\cdot1639_{41}$	− 8	$\cdot0654_{38}$	17	$-\ \cdot0243_{34}$
−32	$\cdot1598_{41}$	− 7	$\cdot0616_{37}$	18	$-\ \cdot0277_{34}$
−31	$\cdot1557_{41}$	− 6	$\cdot0579_{37}$	19	$-\ \cdot0311_{34}$
−30	$0\cdot1516_{41}$	− 5	$0\cdot0542_{37}$	20	$-0\cdot0345_{34}$
−29	$\cdot1475_{41}$	− 4	$\cdot0505_{37}$	21	$-\ \cdot0379_{34}$
−28	$\cdot1434_{40}$	− 3	$\cdot0468_{37}$	22	$-\ \cdot0413_{34}$
−27	$\cdot1394_{41}$	− 2	$\cdot0431_{37}$	23	$-\ \cdot0447_{33}$
−26	$\cdot1353_{40}$	− 1	$\cdot0394_{36}$	24	$-\ \cdot0480_{34}$
−25	$0\cdot1313_{40}$	0	$0\cdot0358_{36}$	25	$-0\cdot0514_{33}$
−24	$\cdot1273_{40}$	1	$\cdot0322_{37}$	26	$-\ \cdot0547_{34}$
−23	$\cdot1233_{40}$	2	$\cdot0285_{36}$	27	$-\ \cdot0581_{33}$
−22	$\cdot1193_{39}$	3	$\cdot0249_{36}$	28	$-\ \cdot0614_{33}$
−21	$\cdot1154_{39}$	4	$\cdot0213_{36}$	29	$-\ \cdot0647_{33}$
−20	$0\cdot1115_{40}$	5	$0\cdot0177_{36}$	30	$-0\cdot0679_{33}$
−19	$\cdot1075_{39}$	6	$\cdot0142_{36}$	31	$-\ \cdot0712_{33}$
−18	$\cdot1036_{39}$	7	$\cdot0106_{35}$	32	$-\ \cdot0745_{33}$
−17	$\cdot0997_{38}$	8	$\cdot0071_{36}$	33	$-\ \cdot0778_{33}$
−16	$\cdot0959_{39}$	9	$\cdot0035_{35}$	34	$-\ \cdot0810_{32}$
−15	$0\cdot0920_{39}$	10	$0\cdot0000_{35}$	35	−0·0842
−14	$\cdot0881_{38}$	11	$-\ \cdot0035_{35}$		
−13	$\cdot0843_{38}$	12	$-\ \cdot0070_{35}$		
−12	$\cdot0805_{38}$	13	$-\ \cdot0105_{35}$		
−11	$\cdot0767_{38}$	14	$-\ \cdot0140_{34}$		

TABLE X—FACTOR FOR CORRECTION OF LOG. β

Z	A − 1
77°	0·003
78	·003
79	·004
80	·004
81	·005
82	·006
83	·008
84	·010
85	·013

TABLE XI—FACTOR FOR CORRECTION OF LOG. γ

Z	$\lambda - 1$	Z	0′	10′	20′	30′	40′	50′
45°	0·002	75°	0·020	0·020	0·020	0·021	0·021	0·022
50	·002	76	·022	·023	·023	·024	·024	·025
55	·003	77	·025	·026	·026	·027	·028	·029
60	·005	78	·030	·031	·032	·033	·034	·035
65	·007	79	·036	·037	·038	·039	·040	·041
70	·011	80	·042	·043	·044	·045	·047	·048
71	·012	81	·049	·051	·052	·054	·056	·058
72	·014	82	·060	·062	·065	·067	·070	·073
73	·016	83	·075	·078	·082	·085	·088	·091
74	·018	84	·095	·099	·104	·108	·113	·118
75	·020	85	·123					

TABLE XII—CORRECTION TO LOG $\beta^4\gamma^\lambda$

Log $\beta^4\gamma^\lambda$	Correction	Log $\beta^4\gamma^\lambda$	Correction	Log $\beta^4\gamma^\lambda$	Correction	Log $\beta^4\gamma^\lambda$	Correction
−0·20	$0{\cdot}0187_{17}$	−0·10	$0{\cdot}0048_{9}$	0·01	$0{\cdot}0001_{1}$	0·11	$0{\cdot}0063_{12}$
− ·19	$\cdot0170_{17}$	− ·09	$\cdot0039_{8}$	·02	$\cdot0002_{3}$	·12	$\cdot0075_{13}$
− ·18	$\cdot0153_{16}$	− ·08	$\cdot0031_{7}$	·03	$\cdot0005_{2}$	·13	$\cdot0088_{15}$
− ·17	$\cdot0137_{16}$	− ·07	$\cdot0024_{6}$	·04	$\cdot0008_{5}$	·14	$\cdot0103_{15}$
− ·16	$\cdot0121_{14}$	− ·06	$\cdot0018_{6}$	·05	$\cdot0013_{5}$	·15	$\cdot0118_{17}$
− ·15	$\cdot0107_{13}$	− ·05	$\cdot0012_{4}$	·06	$\cdot0018_{7}$	·16	$\cdot0135_{18}$
− ·14	$\cdot0094_{13}$	− ·04	$\cdot0008_{4}$	·07	$\cdot0025_{8}$	·17	$\cdot0153_{19}$
− ·13	$\cdot0081_{12}$	− ·03	$\cdot0004_{2}$	·08	$\cdot0033_{9}$	·18	$\cdot0172_{20}$
− ·12	$\cdot0069_{11}$	− ·02	$\cdot0002_{2}$	·09	$\cdot0042_{10}$	·19	$\cdot0192_{22}$
− ·11	$\cdot0058_{10}$	− ·01	·0000	·10	$\cdot0052_{11}$	·20	·0214

Corrections for the variation of latitude were computed from the values given by the International Latitude Service. The corrections which were applied to the declinations are given in Table XIII.

Determinations of horizontal flexures were made, using the north and south collimators. The readings and corrections are given in Table XIV.

TABLE XIII—VARIATION OF LATITUDE

Year and Fraction of Year	0·0	0·1	0·2	0·3	0·4	0·5	0·6	0·7	0·8	0·9	Year
	"	"	"	"	"	"	"	"	"	"	
1923	.....	.....	.....	.....	.....	.....	.....	.....	+0·04	−0·07	1923
1924	−0·11	−0·13	−0·04	+0·03	+0·08	+0·11	+0·12	+0·08	+0·03	−0·03	1924
1925	− ·08	− ·13	− ·11	− ·03	+ ·01	+ ·03	+ ·02	− ·02	− ·06	− ·09	1925
1926	− ·11	− ·13	− ·08	− ·03	+ ·00	+ ·04	+ ·07	+ ·04	+ ·01	+ ·01	1926
1927	+ ·00	− ·01	− ·03	− ·03	+ ·01	+ ·03	+ ·01	− ·04	− ·05	− ·07	1927
1928	− ·08	− ·04	+ ·00	+ ·03	+ ·06	+ ·04	+ ·01	− ·02	− ·04	− ·02	1928
1929	+ ·00	+ ·02	+ ·06	+ ·12	+ ·14	+ ·08	− ·01	− ·07	− ·11	− ·13	1929
1930	− ·10	− ·01	+ ·07	+ ·13	+ ·16	+ ·15	+ ·11	+ ·01	− ·06	− ·10	1930
1931	− ·07	− ·01	+ ·05	+ ·12	+ ·18	+ ·20	+ ·16	+ ·06	− ·05	− ·12	1931
1932	− ·15	− ·13	− ·04	+ ·06	+ ·14	+ ·18	+ ·18	+ ·16	+ ·08	+ ·01	1932
1933	− ·06	− ·09	− ·05	+ ·02	+ ·08	+ ·12	+ ·11	+ ·09	+ ·05	+ ·00	1933
1934	− ·05	− ·06	− ·04	+ ·00	+ ·05	+ ·11	+ ·14	+ ·13	+ ·09	+ ·04	1934
1935	− ·02	− ·01	+ ·00	+ ·03	.....	.....	.....	.....	.....	.....	1935

TABLE XIV—HORIZONTAL FLEXURE MEASURES

Date	Obs.	Horizontal Flexure			Dec.	Flexure Corrections $\Delta\ \delta$
		Cl. E.	Cl. W.	Mean		
		"	"	"	° ′	"
1924						
April 1	.....	−0·50	+0·36	−0·07	44 36 L	
						+0·09
1925					63 47 L	
April 1	C S	− ·51	+ ·37	.....		+ ·08
April 1	R M	− ·59	− ·56	.....	78 10 L	
Sept. 4	C S	+ ·56	+ ·66	.....		+ ·07
Oct. 1	C S	− ·24	+ ·51	.....	88 22 L	
Oct. 1	H S	− ·44	+ ·69	.....		+ ·06
Nov. 2	C S	− ·20	·00	.....	90 0	
Nov. 2	R M	− ·47	− ·27	.....		− ·06
Nov. 2	C S	+ ·02	+ ·41	.....	83 5	
Nov. 2	R M	+ ·16	− ·27	− ·01		− ·05
					75 24	
1929						− ·04
Sept. 3	H S	+ ·34	− ·10	.....	68 17	
Sept. 16	H S	− ·54	− ·82	.....		− ·03
Sept. 19	R M	− ·50	− ·05	.....	61 32	
Sept. 19	H S	− ·16	− ·04	.....		− ·02
Sept. 21	H S	− ·66	− ·22	.....	55 00	
Sept. 21	R M	− ·62	− ·17	.....		− ·01
Sept. 23	R M	+ ·40	+ ·32	.....	48 35	
Sept. 23	M	+ ·35	+ ·19	.....		·00
Sept. 25	M	− ·52	− ·48	.....	42 13	
Sept. 25	R M	− ·43	− ·68	.....		+ ·01
Oct. 1	C S	+ ·04	− ·27	.....	35 48	
Oct. 1	M	+ ·25	− ·20	− ·19		+ ·02
					29 16	
1930						+ ·03
April 3	M	+ ·05	+ ·24	.....	22 31	
July 8	C S	+ ·05	− ·26	.....		+ ·04
Aug. 1	C S	− ·67	+ ·28	.....	15 24	
Aug. 29	M	− ·37	− ·12	.....		+ ·05
Nov. 29	R M	− ·65	− ·62	− ·21	7 43	
						+ ·06
1931					−0 50	
Sept. 15	C S	− ·32	− ·10	.....		+ ·07
Oct. 3	H S	+ ·35	+ ·33	.....	−11 2	
Nov. 5	M	+ ·02	+ ·03	+ ·05		+ ·08
					−25 25	
1932						+ ·09
Aug. 16	M	+ ·37	(−1·35)	.....	−44 36	
Nov. 4	M	+ ·14	+ ·32	.....		
Nov. 4	R M	− ·23	+ ·33	− ·07		
Mean	.....	− ·17	− ·01	− ·09		

A comparison was made between the results of Clamp East and Clamp West, using clock and other Eichelberger stars and azimuth stars. The results are given in Tables XV and XVI. The subscript numbers indicate the weight computed with the formula $\frac{m\,n}{m+n}$ where m and n are the number of observations in each clamp.

TABLE XV—COMPARISONS OF DECLINATIONS CLAMP EAST AND CLAMP WEST

CLOCK STARS

$\Delta\delta$ (E–W)

Dec. \ R.A.	h h 0 to 4	h h 4 to 8	h h 8 to 12	h h 12 to 16	h h 16 to 20	h h 20 to 24	Mean
°	"	"	"	"	"	"	"
−15	$-0\cdot90_{6}$	$-0\cdot50_{1}$	$-0\cdot27_{30}$	$-0\cdot47_{68}$	$-0\cdot59_{51}$	$-0\cdot53_{81}$	$-0\cdot50_{207}$
−10	$-\cdot44_{47}$	$-\cdot90_{28}$	$-\cdot39_{40}$	$-\cdot50_{82}$	$-\cdot50_{78}$	$-\cdot63_{83}$	$-\cdot54_{358}$
− 5	$-\cdot44_{20}$	$-\cdot39_{76}$	$-\cdot19_{6}$	$-\cdot77_{43}$	$-\cdot43_{116}$	$-\cdot88_{18}$	$-\cdot49_{279}$
0	$-\cdot31_{10}$	$-\cdot65_{27}$	$-\cdot24_{31}$	$-\cdot55_{92}$	.....	$-\cdot34_{71}$	$-\cdot44_{231}$
5	$-\cdot60_{41}$	$-\cdot48_{41}$	$-\cdot33_{71}$	$-\cdot41_{54}$	$-\cdot44_{140}$	$-\cdot42_{60}$	$-\cdot44_{407}$
10	$-\cdot33_{50}$	$-\cdot52_{13}$	$-\cdot40_{148}$	$-\cdot33_{26}$	$-\cdot39_{66}$	$-\cdot35_{40}$	$-\cdot38_{353}$
15	$-\cdot41_{22}$	$-\cdot52_{68}$	$-\cdot39_{78}$	$-\cdot53_{24}$	$-\cdot38_{64}$	$-\cdot27_{32}$	$-\cdot41_{280}$
20	$-\cdot31_{24}$	$-\cdot30_{18}$	$-\cdot23_{12}$	$-\cdot47_{62}$	$-\cdot43_{80}$	$-\cdot46_{31}$	$-\cdot41_{227}$
Mean.....	$-\cdot43_{229}$	$-\cdot51_{238}$	$-\cdot36_{411}$	$-\cdot51_{452}$	$-\cdot45_{595}$	$-\cdot47_{386}$	$-\cdot45_{2331}$

TABLE XVI—EICHELBERGER STARS $\Delta\delta$(E–W)

Zone	$\Delta\delta$ (E–W)
	"
−30° to −20°	$-0\cdot64_{48}$
−20 to −10	$-\cdot70_{18}$
−10 to 0	$-\cdot60_{4}$
0 to 10	$-\cdot23_{5}$
10 to 20	$-\cdot54_{11}$
20 to 30	$-\cdot45_{47}$
30 to 40	$-\cdot41_{34}$
40 to 50	$-\cdot37_{45}$
50 to 60	$-\cdot60_{24}$
60 to 70	$-.48_{19}$
70 to 80	$-\cdot33_{10}$
80 to 90	$-\cdot52_{35}$
90 to 80L	$+\cdot45_{29}$
80L to 70L	$+\cdot25_{7}$
70L to 60L	$+\cdot85_{9}$
Weighted mean.....	$-\cdot50_{355}$

A further examination of the results of the pole stars was made to determine if a difference existed as to clamp and culmination.

Tables XVII gives these results and from these values it was concluded that no distinction need be made between observations at upper or lower culmination. Stars observed at upper and lower culmination were, therefore, combined without further correction.

TABLE XVII—$\Delta\delta$ (E–W)

Eichelberger Stars			$\Delta\delta$ Azimuth Stars	
Dec.	Upper	Lower	Mean Dec.	$\Delta\delta$ (E–W)
°	″	″	°	″
60	$-0\cdot56_{2}$	$+1\cdot27_{1}$	82	$-0\cdot33_{94}$
62	$-\cdot52_{6}$	$+\cdot94_{3}$	83	$-\cdot60_{30}$
63	$-\cdot13_{1}$	$+1\cdot59_{1}$	84	$-\cdot23_{22}$
65	$-\cdot93_{4}$	$-\cdot11_{1}$	85	$-\cdot31_{50}$
66	$-\cdot18_{4}$	$+\cdot74_{2}$	86	$-\cdot45_{46}$
68	$+\cdot92_{1}$	$+\cdot38_{1}$	87	$-\cdot40_{32}$
70	$-\cdot41_{3}$	$+\cdot88_{1}$	88	$-\cdot41_{64}$
72	$-\cdot55_{3}$	$+\cdot16_{1}$	89	$-\cdot17_{28}$
74	$-\cdot33_{3}$	$-\cdot54_{2}$	89L	$+\cdot43_{46}$
77	$-\cdot66_{1}$	$+\cdot98_{2}$	88L	$+\cdot08_{26}$
78	$-\cdot21_{1}$	$-\cdot50_{1}$	87L	$+\cdot12_{96}$
81	$-\cdot49_{6}$	$+\cdot73_{7}$	86L	$+\cdot48_{67}$
82	$-\cdot71_{2}$	$-\cdot22_{2}$	85L	$+\cdot50_{70}$
83	$-\cdot57_{12}$	$+\cdot26_{5}$	84L	$+\cdot44_{18}$
84	$-\cdot86_{6}$	$+\cdot15_{8}$	83L	$+\cdot39_{24}$
85	$-\cdot23_{1}$	$+1\cdot56_{1}$	82L	$+\cdot21_{66}$
86	$-\cdot09_{6}$	$+\cdot72_{4}$		
87	.....	$+\cdot71_{2}$		
Weighted mean	$-0\cdot50_{62}$	$+0\cdot49_{45}$	Weighted mean	$-0\cdot35_{830}$

Table XVIII is a summary of the results and gives the values as applied to reduce to a common clamp.

TABLE XVIII—SUMMARY $\Delta\delta$ (E–W)

Star Group	$\Delta\delta$ (E–W)
	″
Azimuth Stars	$-0\cdot35_{830}$
Clock Stars	$-0\cdot45_{2331}$
Eichelberger Stars	$-0\cdot50_{354}$

Adopted value $\Delta\delta$ (E-W) $= -0''.42$

$\delta = \delta_e + 0''.21$; $\delta = \delta_w - 0''.21$

A solution was then made from the pole stars to determine a correction to the adopted latitude and refraction by use of equations of the form

$$2\,\Delta\varphi + \Delta R\,(\tan Z + \tan Z') = \delta' - \delta$$

The values given in Tables XIX and XX were for the individual stars, and Z, n, and δ apply to upper culmination, whereas ρ the weight was obtained using the formula $\frac{n + n'}{n\ n'}$, and v was the residual after $\Delta\varphi = 0''.11$ had been removed.

TABLE XIX—DIFFERENCES IN DECLINATION ABOVE AND BELOW POLE

Name	Z	Z′	Tan Z + Tan Z′	$\delta - \delta'$	n	n′	ρ	v
	° ′	° ′		″				″
λ U. Min.	43 38	45 34	1·973	+0·69	31	20	12	+0·47
α U. Min.	45 30	45 42	1·973	+ ·16	36	89	26	− ·06
Gr. 1119	43 27	45 45	1·974	+ ·30	44	78	28	+ ·08
Br. 1672	42 43	46 29	1·976	+ ·11	97	56	36	− ·11
Gr. 2283	42 7	47 5	1·980	+ ·50	123	51	36	+ ·28
51 H Ceph.	41 46	47 26	1·982	+ ·15	89	165	58	− ·07
39 H Ceph.	41 30	47 42	1·984	+ ·22	88	131	53	·00
Gr. 3548	41 20	47 52	1·985	+ ·26	55	45	25	+ ·04
δ U. Min.	41 13	47 59	1·986	+ ·16	104	56	36	− ·06
Gr. 642	41 1	48 11	1·988	+ ·33	66	128	44	+ ·11
43 H Ceph.	40 27	48 45	1·993	+ ·46	73	97	42	+ ·24
32 H. Ceph.	40 20	48 52	1·994	+ ·54	46	48	24	+ ·32
Gr. 750	39 58	49 15	1·999	+ ·04	72	89	40	− ·18
Gr. 944	39 46	49 26	2·000	+ ·03	87	168	57	− ·19
29 H Caml.	39 14	49 58	2·007	− ·10	49	27	17	− ·32
32 H Caml.	38 25	50 47	2·018	+ ·37	89	73	40	+ ·15
30 H Caml.	37 33	51 39	2·033	+ ·39	63	28	19	+ ·17
25 H Caml.	37 10	52 02	2·039	+ ·10	56	115	38	− ·12
76 Drac.	36 51	52 21	2·045	+ ·48	134	90	54	+ ·26
ε U. Min.	36 46	52 26	2·047	+ ·04	160	70	49	− ·18
1 H Drac.	36 16	52 56	2·058	+ ·16	91	105	49	− ·06

TABLE XX—DIFFERENCES IN DECLINATION ABOVE AND BELOW POLE

Name	Z	Z′	Tan Z + Tan Z′	δ − δ′	n	n′	ρ	v
	° ′	° ′		″				″
BD + 86°161	40 39	48 33	1·992	+0·18	12	7	4	−0·04
Gr. 1850	40 36	48 36	1·992	+ ·42	8	5	3	+ ·20
BD + 85°74	40 28	48 44	1·993	− ·10	7	4	2	− ·32
Br. 402	39 15	49 57	2·007	+ ·54	7	4	2	+ ·32
BD + 84°196	39 5	50 7	2·009	− ·53	4	8	3	− ·75
Gr 3212	39 3	50 9	2·009	− ·35	9	11	5	− ·57
36 H Ceph	38 33	50 39	2·017	+ ·33	9	6	4	+ ·11
Gr. 766	38 14	50 58	2·021	+ ·68	5	4	2	+ ·46
BD + 83°588	37 58	51 14	2·025	+ ·18	5	2	1	− ·04
Gr. 2315	37 47	51 25	2·028	−1·62	6	2	1	−1·84
Gr. 2063	37 43	51 29	2·029	+ ·51	5	6	3	+ ·29
Gr. 2196	37 25	51 47	2·035	− ·40	12	5	4	− ·62
V Ceph	37 22	51 50	2·036	+ ·18	7	6	3	− ·04
34 H Ceph	37 21	51 51	2·036	+ ·41	5	4	2	+ ·19
Gr. 1391	37 16	51 56	2·038	− ·32	9	7	4	− ·54
Br. 48	36 41	52 31	2·049	+ ·20	4	4	2	− ·02
Gr. 1782	36 08	53 04	2·060	+ ·55	5	4	2	+ ·33
Br. 344	35 44	53 28	2·069	− ·35	7	6	3	− ·57
Gr. 856	35 40	53 32	2·071	+ ·05	9	8	4	− ·17
Gr. 1977	35 28	53 44	2·075	− ·81	5	6	3	−1·03
Br. 1458	35 25	53 47	2·076	+ ·36	10	8	4	+ ·14
ζ U. Min	32 38	56 34	2·155	+ ·80	5	4	2	+ ·58
γ Ceph	31 49	57 23	2·183	+ ·77	3	11	2	+ ·55
β U. Min	29 04	60 08	2·297	− ·31	14	8	5	− ·53
γ U. Min	26 42	62 30	2·424	+ ·83	15	4	3	+ ·51
β Ceph	24 50	64 22	2.547	+ ·33	5	4	2	+ ·11
δ Drac	22 8	67 4	2·770	+1·48	4	4	2	+1·26
ι Ceph	20 24	68 48	2·950	+1·36	8	3	2	+1·14
36 Caml	20 20	68 52	2·958	− ·26	9	5	3	− ·48
α Drac	19 20	69 52	3·079	+ ·84	15	4	3	+ ·62
ε Cass	17 54	71 18	3·276	+ ·43	5	6	3	+ ·21
α Ceph	16 52	72 20	3·443	+ ·07	5	4	2	− ·15
α U. Maj	16 45	72 27	3·463	+ ·14	6	5	3	− ·08
η Drac	16 17	72 55	3·546	− ·23	17	4	3	− ·45
γ Cass	14 55	74 17	3·820	+ ·60	7	5	3	+ ·38

Due to the coefficients of the terms being nearly the same throughout the polar region, a value for Δ R was practically indeterminate. Table XXI shows the stars grouped in 10-degree intervals and the solution was made from these values.

TABLE XXI—$\Delta\delta$ (UPPER-LOWER)

Star Group	Weight	$\Delta\delta$ (U-L)
° °		″
60 to 70.....	24	+0·26
70 to 80.....	15	+ ·34
80 to 90.....	64	− ·12
Polars.....	781	+ ·21
Total.....	884	±·22

Solution gave 2 $\Delta\varphi$ = +0 ″.22

ΔR = (+ 0″.005) (really indeterminate)

Correction to latitude $\Delta\varphi$ = − 0″.11

RESULTS OF OBSERVATIONS
OF THE
SUN, MERCURY, AND VENUS
1923-1935

RESULTS OF OBSERVATIONS

OF THE

SUN, MERCURY, AND VENUS

1923-1935

SUN AND PLANETS

The observations of the Sun, Mercury, and Venus were computed in the same manner as the stars. Additional corrections for parallax, motion, and defective illumination were applied where necessary.

The corrections for collimation, azimuth, and level were deduced from instrumental readings taken at the time of the observation, and the zenith distances were computed from a nadir taken just before or after the observation. Declinations were formed, using a latitude value of 45° 23′ 39″.00, corrected later by − 0″.11 deduced from the pole stars, and all the results were reduced to a common clamp.

SUN

When only one limb of the Sun was observed in declination, the semi-diameter of the American Ephemeris, corrected by the quantities given in Table XXII, was used to reduce to the centre. When both limbs were observed the mean was taken. For the right ascensions when one limb only was observed, the semi-diameter of the A.E., corrected by quantities based on Table XXIV, was used to reduce to the centre. When both limbs were observed the mean was taken. In solving for the equinox and equator correction, only results were used when both limbs had been taken.

As explained in the introduction, a correction to reduce from day to night observing was formed from the clock corrections taken in daylight and just after sunset. Table XXIII contains these values and the value − 0^s·010 was applied to all the sun and planet transits to reduce them to a night basis. The positions of the same stars as determined by day and by night were also compared, resulting in $\alpha_n - \alpha_d = + 0^s{\cdot}013$.

TABLE XXII—SEMI DIAMETER (DECLINATION OF SUN)

(Obs.—A E)

Year	Observer			
	C S	M	R M	H S
	″	″	″	″
1925	−2·2$_{27}$	−2·8$_{26}$	−2·4$_{27}$	−1·8$_{31}$
1926	−2·5$_{16}$	−2·4$_{16}$	−2·5$_{21}$	−2·4$_{21}$
1927	−2·9$_{12}$	−2·5$_{18}$	−2·8$_{21}$	−3·2$_{22}$
1928	−2·8$_{21}$	−2·1$_{26}$	−2·7$_{25}$	−2·4$_{18}$
1929	−2·3$_{3}$	−2·1$_{32}$	−2·4$_{40}$	−2·6$_{40}$
1930	−2·6$_{29}$	−2·1$_{26}$	−1·9$_{33}$	−0·9$_{27}$
1931	−2·6$_{20}$	−2·3$_{46}$	−1·7$_{29}$	−0·5$_{30}$
1932	−2·7$_{22}$	−2·7$_{44}$	−2·2$_{24}$	−0·4$_{15}$
1933	−3·2$_{30}$	−2·5$_{35}$	−2·2$_{27}$	−0·4$_{12}$
1934	−4·1$_{8}$	−3·0$_{37}$	−2·4$_{30}$	−0·5$_{33}$
1935	.....	−2·3$_{13}$	−2·0$_{13}$	−0·0$_{3}$

A relative personal equation was obtained by joining means by months for each observer in each clamp and combining them into a simple mean by assigning weights by the formula $\frac{mn}{m+n}$.

Two tables XXV and XXVI were formed, one for comparison between the observers, and one for comparison with the mean of all observers.

Due to the smallness of these values as compared with the range in the observations, and since by investigation it did not materially affect the final result, no personal equation correction was applied.

A clamp difference was obtained by forming monthly values and assigning weights. These are given in Table XXVII, and the difference $\frac{1}{2}$ (W-E) = $-\ 0^{s}\cdot013$ was applied to reduce the observation to a common clamp.

After applying the clamp correction, a comparison of (observed—American Ephemeris) was made. This is given in Table XXVIII.

The probable error of the difference between the observed and the American Ephemeris was calculated.

p.e. for one observation $\pm\ 0^{s}\cdot065$
p.e. for the mean $\pm\ 0^{s}\cdot002$

TABLE XXIII—DAYLIGHT OBSERVATIONS

Year	ΔT Night - ΔT Day														
	C S			M			R M			H S			Total		
	No.	Total	ΔT′	No.	Total	ΔT′	No.	Total	ΔT′	No.	Total	ΔT′	No.	Total	ΔT′
		s	s		s	s		s	s		s	s		s	s
1924	17	−0·301	−0·018	6	−0·003	−0·000	10	+0·026	+0·003	23	−0·328	−0·014	56	−0·606	−0·011
1925	14	− ·336	− ·024	4	+ ·017	+ ·004	7	+ ·015	+ ·002	12	− ·025	− ·002	37	− ·329	− ·009
1926	7	− ·133	− ·019	9	− ·009	− ·001	6	− ·093	− ·015	8	− ·057	− ·007	30	− ·292	− ·010
1929	3	− ·105	− ·035	5	− ·287	− ·058	1	− ·067	− ·067	4	− ·148	− ·037	13	− ·609	− ·047
1930	7	− ·262	− ·037	8	+ ·237	+ ·030	.....	.....	.....	1	− ·071	− ·071	16	− ·096	− ·006
1931	.....	.....	.....	16	+ ·295	+ ·019	.....	.....	.....	1	− ·056	− ·056	17	+ ·239	+ ·014
1932	3	+ ·082	+ ·027	3	+ ·069	+ ·023	2	− ·206	− ·108	.....	.....	.....	8	− ·055	− ·007
1933	.....	.....	.....	4	− ·023	− ·006	2	+ ·031	+ ·016	.....	.....	.....	6	+ ·008	+ ·010
	51	−1·055	− ·021	56	+ ·294	+ ·005	28	− ·294	− ·018	49	− ·685	− ·014	183	−1·740	− ·010

$$\Delta T \text{ night} - \Delta T \text{ day} = -0^{s}\cdot010$$

TABLE XXIV—S.T. OF SEMI-PASSAGE MERIDIAN OF SUN
(Obs.—A E)

Year	Observer			
	C S	M	R M	H S
	s	s	s	s
1924	$-0\cdot13_{27}$	$-0\cdot13_{26}$	$-0\cdot14_{30}$	$-0\cdot14_{14}$
1925	$-0\cdot13_{26}$	$-0\cdot15_{25}$	$-0\cdot13_{22}$	$-0\cdot16_{25}$
1926	$-0\cdot14_{14}$	$-0\cdot12_{17}$	$-0\cdot14_{27}$	$-0\cdot15_{12}$
1927	$-0\cdot13_{16}$	$-0\cdot14_{17}$	$-0\cdot17_{18}$	$-0\cdot16_{22}$
1928	$-0\cdot11_{12}$	$-0\cdot11_{28}$	$-0\cdot13_{25}$	$-0\cdot08_{18}$
1929	$-0\cdot11_{3}$	$-0\cdot10_{22}$	$-0\cdot10_{37}$	$-0\cdot09_{37}$
1930	$-0\cdot11_{26}$	$-0\cdot10_{22}$	$-0\cdot07_{32}$	$-0\cdot01_{24}$
1931	$-0\cdot17_{16}$	$-0\cdot16_{25}$	$-0\cdot06_{28}$	$-0\cdot01_{27}$
1932	$-0\cdot14_{15}$	$-0\cdot17_{42}$	$-0\cdot09_{28}$	$-0\cdot01_{14}$
1933	$-0\cdot19_{17}$	$-0\cdot13_{23}$	$-0\cdot10_{21}$	$+0\cdot01_{11}$
1934	.....	$-0\cdot16_{24}$	$-0\cdot11_{20}$	$+0\cdot02_{22}$
1935	.....	$-0\cdot11_{17}$	$-0\cdot08_{10}$	$+0\cdot03_{4}$

TABLE XXV—PERSONAL EQUATION—SUN

Observers	Differences		Weights		Observers	Differences		Weights	
	α	δ	α	δ		α	δ	α	δ
	s	"				s	"		
C S – M	+0·026	−0·28	120·0	119·7	M – R M	−0·045	+0·13	160·5	160·6
C S – R M	−0·015	−0·22	117·1	119·5	M – H S	−0·021	+0·10	140·4	145·4
C S – H S	+0·014	−0·20	105·2	106·0	R M – H S	+0·023	−0·06	134·6	139·1

TABLE XXVI—PERSONAL EQUATION—SUN

Observers	Differences		Weights		Observers	Differences		Weights	
	α	δ	α	δ		α	δ	α	δ
	s	"				s	"		
Av. – C S	−0·009	+0·16	167·5	169·4	Av. – R M	−0·020	+0·02	245·8	250·0
Av. – M	+0·022	−0·10	263·4	262·5	Av. – H S	+0·002	−0·02	209·9	210·6

TABLE XXVII—SUN $\Delta\alpha$(W – E)

	Without Personal Equation			With Personal Equation		
	$\Delta\alpha$(W – E)	Wt		$\Delta\alpha$(W – E)	Wt	
	s		s	s		s
January	−0·005	14·19	−0·071	−0·002	14·19	−0·028
February	− ·027	18·89	−0·510	− ·025	18·89	−0·472
March	− ·018	17·60	−0·317	− ·022	17·60	−0·387
April	− ·033	26·87	−0·887	− ·027	26·87	−0·726
May	− ·004	29·59	−0·118	− ·009	29·19	−0·263
June	− ·032	33·49	−1·072	− ·036	33·49	−1·206
July	− ·032	24·99	−0·800	− ·029	24·99	−0·725
August	+ ·003	22·72	+0·068	+ ·005	22·72	+0·114
September	− ·032	23·26	−0·744	− ·035	23·26	−0·814
October	− ·004	21·52	−0·086	− ·003	21·52	−0·065
November	− ·094	12·32	−1·158	− ·098	12·32	−1·207
December	− ·089	10·11	−0·901	− ·087	10·12	−0·880
	Mean = s −0·026			Mean = s −0·026		

A comparison of the declinations of the same stars observed during daylight and at night is given in Table XXIX. The $\Delta\delta$ (N-D) values for stars observed within three hours of the sun were assumed to be represented by a function Δ R tan Z. The daylight observations were few in number and no day to night correction was applied to the declinations of the Sun and the planets.

Table XXX gives the values from which the clamp corrections were deduced. The values used were

$$\delta_s = \delta_e + 0''.25; \quad \delta_s = \delta_w - 0''.25$$

TABLE XXVIII—$\Delta\alpha$ SUN (OBS.—A E)

Month	$\Delta\alpha$	No. of Obs.	
	s		s
January	+0·075	62	4·624
February	+0·071	81	5·783
March	+0·034	98	3·326
April	+0·039	119	4·608
May	+0·028	120	3·393
June	+0·023	134	3·102
July	+0·044	105	4·639
August	+0·048	134	6·468
September	+0·048	98	4·721
October	+0·069	87	5·981
November	+0·082	50	4·084
December	+0·085	42	3·560

Mean $\Delta\alpha = +0^{s}\cdot048 \pm {}^{s}\cdot002$

TABLE XXIX—$\Delta\delta$ (NIGHT—DAY) DECLINATIONS

Dec.	$\Delta\delta$(N–D)	ρ	Z	tan Z	ΔR tan Z	v
°	″		° ′		″	″
−15	+0·68	26	+60 24	1·760	0·62	+0·06
−10	+0·52	57	55 24	1·450	0·51	+ ·01
− 5	+0·43	29	50 24	1·209	0·42	+ ·01
0	+0·15	56	45 24	1·014	0·35	− ·20
+ 5	+0·39	95	40 24	·851	0·30	+ ·09
+10	+0·38	66	35 24	·711	0·25	+ ·13
+15	+0·18	66	30 24	·587	0·20	− ·02
+20	+0·04	52	25 24	·475	0·17	− ·13

ΔR = 0″·35

TABLE XXX—CLAMP DIFFERENCES OF SUN IN DECLINATION (W–E)

Month	$\Delta\delta$(W–E)	Wt.	$\Delta\delta$(W–E) × Wt.
	″		″
January	0·29	19·51	5·66
February	·99	20·74	20·53
March	·72	18·51	13·33
April	·39	27·16	10·59
May	·45	31·15	14·02
June	·22	31·20	6·86
July	·39	31·18	12·16
August	·37	22·86	8·46
September	·65	19·04	12·38
October	·42	20·72	8·70
November	·93	11·52	10·71
December	·49	13·02	6·38

Weighted mean $\Delta\delta$ (W–E) = +0″·49

Correction to the Equinox and Equator

A solution of the observed minus American Ephemeris residuals $\Delta\alpha_s$ and $\Delta\delta_s$ was made by first summarizing them into monthly values given in Table XXXI.

TABLE XXXI—MEAN CORRECTIONS TO THE A.E. RIGHT ASCENSIONS AND DECLINATIONS OF THE SUN

Month	$\Delta\alpha_\odot$	No. Obs.	$\Delta\delta_\odot$	No. Obs.
	s		"	
January	0·075	62	1·95	82
February	·071	81	1·69	91
March	·034	98	1·00	105
April	.039	119	0·73	115
May	·028	120	0·36	125
June	·023	134	0·19	125
July	·044	105	0·02	127
August	·048	134	0·07	112
September	·048	98	0·11	78
October	·069	87	0·22	83
November	·082	50	0·37	50
December	·085	42	1·46	53

Each monthly value gave rise to a conditional equation of the form

$$\Delta\alpha = -E + \cos\epsilon \sec^2\delta\,\Delta L - \cos\alpha\tan\delta\,\Delta\epsilon + 2\sin\alpha\sec\delta\,\Delta h - 2\cos\alpha\sec\delta\cos\epsilon\,\Delta k$$

$$\Delta\delta = -\Delta\delta_0 + \cos\alpha\sin\epsilon\,\Delta L + \sin\alpha\,\Delta\epsilon + 2\sin\delta\cos\alpha\,\Delta h - 2\cos^2\alpha\cos\delta\sin\epsilon\,\Delta k$$

Where E is the equinox correction

ΔL the correction to the tabular mean longitude of the sun

$\Delta\epsilon$ the correction to the tabular obliquity of the ecliptic

Δh and Δk the corrections to h, and k where $h = e\cos\pi$ and $k = e\sin\pi$, e and π being the eccentricity and longitude of perigee of the solar orbit, $\Delta\delta_0$ a constant error to the declinations in the neighbourhood of the equator.

EQUATIONS OF CONDITIONS (SUN)

						"	No. of obs.
January	− E	+1·054ΔL	+0·176Δε	−1·909Δh	−0·894Δk	=1·125	62
February		+0·964	+0·192	−1·062	−1·609	=1·065	81
March		+0·919	+0·037	−0·172	−1·829	=0·510	98
April		+0·945	−0·158	+0·805	−1·709	=0·585	119
May		+1·025	−0·210	+1·665	−1·194	=0·420	120
June		+1·088	−0·048	+2·164	−0·224	=0·345	134
July		+1·060	+0·164	+1·956	+0·818	=0·660	105
August		+0·975	+0·205	+1·191	+1·544	=0·720	134
September		+0·920	+0·053	+0·245	+1·824	=0·720	98
October		+0·938	−0·140	−0·698	+1·741	=1·035	87
November		+1·020	−0·213	−1·626	+1·232	=1·230	50
December		+1·087	−0·055	−2·160	+0·255	=1·275	42
January	− $\Delta\delta_0$	+0·181	−0·891	−0·328	−0·154	=1·95	82
February		+0·340	−0·518	−0·375	−0·568	=1·69	91
March		+0·396	−0·086	−0·074	−0·789	=1·00	105
April		+0·365	+0·397	+0·311	−0·661	=0·73	115
May		+0·245	+0·788	+0·398	−0·286	=0·36	125
June		+0·045	+0·994	+0·089	−0·009	=0·19	125
July		−0·165	+0·910	−0·304	−0·127	=0·02	127
August		−0·325	+0·578	−0·396	−0·514	=0·07	112
September		−0·395	+0·122	−0·103	−0·783	=0·11	78
October		−0·373	−0·345	+0·278	−0·693	=0·22	83
November		−0·253	−0·771	+0·404	−0·306	=0·37	50
December		−0·051	−0·992	+0·101	−0·012	=1·46	53

From these equations of condition the following normal equations were formed.

NORMAL EQUATIONS (SUN)

$$\begin{array}{rrrrrrl}
11{\cdot}300E & & -\ 11{\cdot}251\Delta L & -\ 0{\cdot}044\Delta\epsilon & -\ 5{\cdot}206\Delta h & +\ 0{\cdot}462\Delta k & +\ 8{\cdot}138'' = 0 \\
 & 11{\cdot}460\Delta\delta_0 & -\ 0{\cdot}310\Delta L & -\ 2{\cdot}092\Delta\epsilon & +\ 0{\cdot}144\Delta h & +\ 4{\cdot}682\Delta k & +\ 7{\cdot}046 = 0 \\
-\ 11{\cdot}251E & -\ 0{\cdot}310\Delta\delta_0 & +\ 12{\cdot}195\Delta L & -\ 0{\cdot}029\Delta\epsilon & +\ 5{\cdot}606\Delta h & -\ 0{\cdot}653\Delta k & -\ 9{\cdot}521 = 0 \\
-\ 0{\cdot}044E & -\ 2{\cdot}092\Delta\delta_0 & -\ 0{\cdot}027\Delta L & +\ 5{\cdot}716\Delta\epsilon & +\ 0{\cdot}058\Delta h & +\ 0{\cdot}161\Delta k & +\ 2{\cdot}149 = 0 \\
-\ 5{\cdot}206E & +\ 0{\cdot}144\Delta\delta_0 & +\ 5{\cdot}606\Delta L & +\ 0{\cdot}058\Delta\epsilon & +\ 24{\cdot}252\Delta h & +\ 0{\cdot}404\Delta k & +\ 0{\cdot}607 = 0 \\
+\ 0{\cdot}462E & +\ 4{\cdot}682\Delta\delta_0 & -\ 0{\cdot}652\Delta L & +\ 0{\cdot}161\Delta\epsilon & +\ 0{\cdot}404\Delta h & +\ 24{\cdot}516\Delta k & +\ 1{\cdot}960 = 0
\end{array}$$

			Mean Errors
		"	"
E	=	+0·427	±0·29
$\Delta\delta_0$	=	−0·732	±0·04
ΔL	=	+1·259	±0·27
$\Delta\epsilon$	=	−0·640	±0·05
Δh	=	−0·220	±0·01
Δk	=	+0·091	±0·01

VENUS AND MERCURY

Observations of Venus and Mercury were reduced in the same manner as the stars, with additional corrections for motion, parallax, defective illumination and a day correction in right ascension. The declinations were reduced to a common clamp by using the same clamp correction as for the stars, $\delta = \delta_e + 0''.2$; $\delta = \delta_w - 0''.2$.

Residuals (Obs. − A.E.) in right ascension ($\Delta\,\alpha$) and declination ($\Delta\,\delta$) were formed, and analysed by the method of Hough (Cape Annals VIII, p. 19E).

Following this method the residuals were first transformed into longitude and latitude by the approximate formulae

$$\Delta\,\lambda = \Delta\,\alpha + \Delta\,\delta \sin\omega\cos\alpha$$

$$\Delta\,\beta = \Delta\,\delta - \Delta\,\alpha \sin\omega\cos\alpha$$

where ω is the obliquity.

The Venus residuals were then tabulated according to the argument (*l*-L) where *l* denotes the longitude of the planet and L that of the earth. These appear in Table XXXII, by separate limbs, at intervals of 30°. D is the reciprocal of the distance of the planet from the earth for the value of the argument shown. The subscripts show the number of observations.

TABLE XXXII—VENUS

l − L	Δλ			Δβ			D
	E	W	C	N	S	C	
°	"	"	"	"	"	"	
15	$-0{\cdot}81_{27}$	....	....	$-0{\cdot}71_{18}$	$+1{\cdot}30_{4}$	$+0{\cdot}75_{4}$	2·64
45	$+0{\cdot}67_{53}$	....	....	$-0{\cdot}24_{34}$	$+0{\cdot}18_{13}$	$+0{\cdot}57_{7}$	1·47
75	$+0{\cdot}76_{50}$	....	....	$-0{\cdot}50_{23}$	$+0{\cdot}15_{13}$	$+0{\cdot}88_{14}$	0·95
105	$+0{\cdot}57_{48}$	....	....	$-0{\cdot}42_{25}$	$+0{\cdot}39_{10}$	$+0{\cdot}77_{12}$	0·74
135	$+0{\cdot}51_{36}$	$+2{\cdot}20_{1}$	$+1{\cdot}90_{2}$	$+0{\cdot}11_{12}$	$+0{\cdot}26_{9}$	$+0{\cdot}09_{18}$	0·63
165	$-0{\cdot}89_{12}$	....	$+1{\cdot}55_{2}$	$-1{\cdot}95_{4}$	$-0{\cdot}93_{3}$	$+1{\cdot}13_{7}$	0·59
195	$-0{\cdot}35_{2}$	$+2{\cdot}20_{3}$	....	$-2{\cdot}90_{1}$	$-0{\cdot}40_{3}$	$+0{\cdot}20_{1}$	0·59
225	....	$+1{\cdot}03_{18}$	$+1{\cdot}30_{1}$	$-1{\cdot}12_{4}$	$-0{\cdot}68_{6}$	$-0{\cdot}29_{8}$	0·63
255	....	$+1{\cdot}05_{27}$	$-0{\cdot}10_{1}$	$-0{\cdot}22_{13}$	$-0{\cdot}34_{11}$	$+0{\cdot}74_{5}$	0·74
285	....	$+1{\cdot}41_{26}$	....	$+0{\cdot}91_{7}$	$+0{\cdot}31_{10}$	$+0{\cdot}19_{9}$	0·95
315	....	$+0{\cdot}71_{28}$	....	$-0{\cdot}94_{10}$	$+0{\cdot}91_{12}$	$+0{\cdot}80_{6}$	1·47
345	....	$-0{\cdot}37_{22}$	....	$-1{\cdot}23_{16}$	$+0{\cdot}80_{5}$	$+1{\cdot}10_{2}$	2·64

Equations of the form

$$\Delta\lambda = x_1 + y_1 \cos(l\text{-}L) + z_1 \operatorname{Sin}(l\text{-}L) \pm (W + Dd_1)$$
$$\Delta\beta = x_2 + y_2 \cos(l\text{-}L) + z_2 \operatorname{Sin}(l\text{-}L) \pm Dd_2$$

were assumed, where d is a supposed correction to the semi-diameter of the planet at unit distance from the earth, dependent upon the parallax, while W is a constant correction. The upper signs apply to the north and east limbs. The W term helps to represent the discontinuity in $\Delta\lambda$ at 0° and 180°.

A least square solution of the above equations, weighted according to the number of observations, and including observations on the centre of light, gave

$$\Delta\lambda = +\,''.69 - ''.43 \cos(l\text{-}L) + 1''.32 \operatorname{Sin}(l\text{-}L) \pm [-\,1''.77 + ''.47D]$$
$$(\pm\,''.14 \pm ''.22 \qquad \pm ''.60 \qquad \pm ''.70 \pm ''.26)$$

$$\Delta\beta = -\,''.02 + ''.19 \cos(l\text{-}L) + ''.08 \operatorname{Sin}(l\text{-}L) \pm ''.31\,D$$
$$(\pm\,''.07 \pm ''.11 \qquad \pm ''.09 \qquad \pm ''.08)$$

(with mean errors shown)

The variable part of the expression for $\Delta\lambda$ was removed from the longitude residuals, leaving $\Delta\lambda'$. The residuals tabulated with arguments l and L are shown in Table XXXIII.

TABLE XXXIII—VENUS

Arg.	l			L		
	$\Delta\lambda'$	$\Delta\beta$	No.	$\Delta\lambda'$	$\Delta\beta$	No.
	"	"		"	"	
15	+0·61	+0·02	35	+1·42	−0·64	29
45	+1·06	−0·02	35	+0·42	−0·07	10
75	+0·90	+0·04	22	+1·07	+0·84	13
105	+0·90	−0·27	33	+1·04	+0·41	7
135	+1·25	+0·32	26	+0·17	+0·31	23
165	+0·23	+0·08	19	+0·42	+0·08	40
195	+0·23	+0·22	30	+0·26	−0·30	33
225	+0·68	+0·42	22	+0·51	−0·14	45
255	+0·33	−0·09	27	+0·86	−0·09	41
285	+0·33	+0·14	32	+0·88	+0·23	49
315	+0·28	−0·33	32	+0·41	−0·31	39
345	+0·93	−0·50	45	+0·84	+0·01	29

Another least square solution leads to their representation in the form

$$\Delta\lambda' = +\,''.67 + ''.11 \cos l + ''.34 \operatorname{Sin} l + ''.29 \cos L + ''.01 \operatorname{Sin} L$$
$$(\pm\,''.06 \pm ''.11 \qquad \pm ''.11 \qquad \pm ''.12 \qquad \pm ''.14)$$

$$\Delta\beta' = -\,''.01 - ''.24 \cos l + ''.00 \operatorname{Sin} l - ''.08 \cos L + ''.12 \operatorname{Sin} L$$
$$(\pm\,''.05 \pm ''.10 \qquad \pm ''.10 \qquad \pm ''.14 \qquad \pm ''.16)$$

Hough (Cape Annals VIII, parts IV, V) gives expressions for the coefficients of the terms in $\Delta\beta$, $\Delta\lambda$ dependent on the corrections which are sought. Equating the numerical values given above to these, results in the following corrections:

$$\begin{aligned} E &= -\ ''.04 \pm .35 \\ \Delta\,\delta_o &= -\ ''.01 \pm .05 \\ \Delta\,L &= +\ ''.63 \pm .36 \\ \Delta\,\epsilon &= +\ ''.12 \pm .16 \\ \Delta\,h &= +\ ''.94 \pm .30 \\ \Delta\,k &= -\ ''.30 \pm .30 \end{aligned}$$

The notation here is the same as that given for the Sun.

For the orbit of Venus itself,

$$\begin{aligned} \Delta\,h &= 1''.72 \pm .56 \\ \Delta\,k &= -\ ''.29 \pm .56 \\ \Delta\,l &= +\ 1''.22 \pm .47 \end{aligned}$$

The mean epoch is 1930·1.

The mean error of a single observation as deduced from the various curves fitted to the observations, ranges from $\pm$ 1".3 to $\pm$ 1".9. There is a well-marked personality in observations of the limbs, but corrections for this would make no significant change in the result. Application of corrections for retardation and fluctuation (Spencer Jones MN 99, 541) does not appreciably smooth the results; it adds an average of about $-$ 1".0 to all the $\Delta\lambda$'s, and a negligible amount to the $\Delta\beta$'s.

MERCURY

Although the observations of Mercury are not numerous enough for a good solution, the residuals were treated in the same manner as those of Venus. They are shown in Tables XXXIV and XXXV, together with the results of the solution.

TABLE XXXIV—MERCURY

$l - L$	$\Delta\lambda$			$\Delta\beta$			D
	E	W	C	N	S	C	
°	"	"	"	"	"	"	
15	.....	.....	.....	.....	.....	.....	.....
45	$+1\cdot20_4$	$-0\cdot70_1$	.....	$-0\cdot25_2$	$+2\cdot20_2$	$-0\cdot20_1$	1·29
75	$+0\cdot78_{12}$	$-1\cdot60_1$	.....	$-0\cdot56_5$	$-1\cdot20_4$	$+0\cdot18_4$	1·03
105	$+0\cdot52_{21}$	.....	.....	$-0\cdot60_3$	$-1\cdot85_2$	$-0\cdot01_{16}$	·87
135	$+0\cdot34_{11}$	$+0\cdot55_2$	$+1\cdot10_1$	$-0\cdot40_4$	$+0\cdot37_7$	$+0\cdot07_3$	·77
165	$+1\cdot50_2$	.....	.....	.....	$+2\cdot40_1$	$-1\cdot20_1$	·73
195	.....	.....	.....	.....	.....	.....	.....
225	.....	$+3\cdot30_1$	.....	.....	.....	$-1\cdot00_1$	·77
255	.....	$+3\cdot50_2$	.....	.....	.....	$+0\cdot27_3$	·87
285	.....	$+0\cdot79_7$	.....	$-0\cdot50_2$	$+0\cdot60_1$	$-0\cdot08_4$	1·03
315	.....	$+0\cdot95_2$	.....	.....	.....	$+0\cdot40_2$	1·29
345	.....	.....	.....	.....	.....	.....	.....

$\Delta\lambda = +\ 1''.11\ (\pm .25) - 0''.20\ (\pm .43)\cos(l - L) - 1''.29\ (\pm .50)\sin(l - L) \pm [+''.67\ (\pm .42)D]$

$\Delta\beta = -\ 0''.04\ (\pm .17) + 0''.05\ (\pm .38)\cos(l - L) - 0''.15\ (\pm .25)\sin(l - L) \pm [-''.31\ (\pm .26)D]$

TABLE XXXV—MERCURY

Arg	l			L		
	$\Delta\lambda'$	$\Delta\beta$	No.	$\Delta\lambda'$	$\Delta\beta$	No.
°	″	″		″	″	
15	+0·38	−0·20	8	+0·77	−0·49	10
45	+1·60	−0·30	5	+3·60	−2·30	2
75	+0·88	+0·08	5	+2·20	−0·30	3
105	+1·04	−0·22	5	+0·94	+0·87	3
135	+1·27	−0·51	8	0·00	+0·90	2
165	+1·80	−0·10	7	+2·70	−0·10	1
195	+0·86	−0·32	9	+0·85	+0·40	2
225	+0·90	+0·05	2	+2·36	+0·16	5
255	+1·70	+2·00	1	+1·18	−0·10	17
285	+1·18	+0·42	6	+0·85	+0·05	11
315	+2·66	−0·30	5	+0·43	−0·40	4
345	+0·67	+0·10	7	+1·01	+0·05	8

$$\Delta\lambda = 1''.22\ (\pm\ \cdot 24) - 0''.13\ (\pm\ \cdot 25)\cos l - 0''.17\ (\pm\ \cdot 30)\sin l$$
$$- 0''.40\ (\pm\ \cdot 38)\cos \mathrm{L} + 0''.28\ (\pm\ \cdot 35)\sin \mathrm{L}$$

$$\Delta\beta = -\ 0''.04\ (\pm\ \cdot 17) + 0''.12\ (\pm\ \cdot 14)\cos l - 0''.26\ (\pm\ \cdot 16)\sin l$$
$$- 0''.40\ (\pm\ \cdot 25)\cos \mathrm{L} + 0''.00\ (\pm\ \cdot 23)\sin \mathrm{L}$$

These result in the corrections shown in Table XXXVI, synopsizing the corrections from observations of the sun and the two inner planets.

TABLE XXXVI—CORRECTION TO EQUINOX, EQUATOR, AND ORBITAL ELEMENTS

	Sun	Mercury	Venus
E	+0″.427 ± 0·29	+1″.08 ± 0·62	−0″.04 ± 0·35
$\Delta\delta_0$	−0″.732 ± 0·04	−0″.04 ± 0·17	−0″.01 ± 0·05
ΔL	+1″.259 ± 0·27	+2″.30 ± 0·67	+0″.63 ± 0·36
$\Delta\epsilon$	−0″.640 ± 0·05	+0″.05 ± 0·23	+0″.12 ± 0·16
Δh	−0″.220 ± 0·01		
Δk	+0″.091 ± 0·01		

The correction of 0″.73 to declinations in equatorial regions as deduced from the sun observations, seems to be large. The cause may be in the type of building in which the meridian circle is located or the manner of screening the instrument. While no direct sunlight fell on any part of the instrument except the objective, an additional screen near the south door and along the roof opening might have been advisable. The corrections to the equinox are comparable to those obtained by other observatories. The mean epoch for the values in Table XXXVI is 1930·0.

COMPARISONS WITH CATALOGUES

The position of each star in the FK3 and the G.C. in common with this catalogue was reduced to the equinox 1925·0, and the observations were reduced to 1925·0, by applying the proper motions as given by these catalogues. The differences 0 − FK3 and 0 − G.C. for each star compared are listed. These differences represent the corrections to FK3 and G.C. at the epoch of observation.

The individual differences 0 − FK3 and 0 − G.C. were collected into groups covering 3 hours of right ascension and 5 degrees of declination. In Tables XXXVII, XXXVIII, XXXIX, and XL the quantities $\Delta\alpha_\delta$ and $\Delta\delta_\delta$ represent weighted means taken over the 24 hours of right ascension, and have been subtracted from the means of the groups so as to permit the remainder of the tables to exhibit variation with right ascension.

The individual differences of right ascension for the zone 60° to 90° were multiplied by cos δ and collected into groups as described above, and the results are shown in Tables XLI and XLII.

TABLE XXXVII—DIFFERENCES OF RIGHT ASCENSION (0–FK3)

Decl.	$\Delta\alpha_\delta$	$\Delta\alpha_\alpha$							
		0h to 3h	3h to 6h	6h to 9h	9h to 12h	12h to 15h	15h to 18h	18h to 21h	21h to 24h
° °	s	s	s	s	s	s	s	s	s
+90 to +85	−·073$_{11}$	−·159$_2$	+·027$_3$	−·130$_1$	+·207$_1$	−·097$_1$	+0·021$_1$	+·331$_1$	−·100$_1$
+85 to +80	+·004$_{14}$	+·023$_1$	−·029$_1$	+·010$_1$	−·036$_2$	−·106$_2$	+·026$_2$	+·044$_2$	+·050$_2$
+80 to +75	+·044$_2$	.....	.....	.....	.....	.....	+·003$_1$	.....	−·003$_1$
+75 to +70	−·045$_3$	.....	.....	.....	.....	+·019$_1$	+·009$_1$	.....	−·029$_1$
+70 to +65	−·017$_5$	.....	+·032$_1$	−·037$_1$	−·023$_1$	.....	.....	−·001$_1$	+·027$_1$
+65 to +60	−·023$_9$	+·003$_2$	+·006$_1$	.....	−·015$_2$	+·027$_1$	−·001$_2$	.....	−·006$_1$
+60 to +55	+·008$_{10}$	+·016$_3$	+·039$_1$	−·001$_1$	−·006$_2$	−·026$_2$	.....	.....	−·024$_1$
+55 to +50	−·015$_{13}$	+·013$_2$	.....	.....	+·009$_2$	+·034$_1$	−·033$_2$	−·002$_4$	−·001$_2$
+50 to +45	−·016$_{21}$	+·042$_2$	+·022$_4$	−·024$_5$	+·035$_1$	+·004$_2$	−·008$_4$	−·038$_2$	.....
+45 to +40	−·021$_{19}$	+·001$_2$	+·013$_3$	+·013$_2$	−·011$_2$	−·007$_3$	−·011$_1$	+·001$_4$	+·003$_1$
+40 to +35	−·023$_{16}$	+·008$_3$	+·011$_2$	−·003$_2$	−·008$_1$	−·018$_3$	−·014$_1$	+·010$_1$	+·011$_3$
+35 to +30	−·026$_{16}$	−·012$_2$	−·009$_3$	.....	+·014$_3$	+·011$_4$	−·008$_1$	−·007$_3$	.....
+30 to +25	−·021$_{22}$	+·013$_2$	+·005$_3$	−·016$_3$	−·016$_2$	−·002$_3$	−·013$_2$	+·008$_3$	+·011$_4$
+25 to +20	−·008$_{23}$	+·008$_4$	+·001$_4$	−·004$_4$	−·024$_2$	−·022$_1$	+·004$_3$	000$_2$	+·010$_3$
+20 to +15	−·011$_{40}$	−·005$_5$	−·001$_7$	−·002$_4$	−·004$_4$	−·004$_6$	−·003$_4$	+·009$_5$	+·012$_5$
+15 to +10	−·006$_{29}$	+·014$_2$	·000$_2$	−·007$_4$	−·007$_6$	+·001$_3$	−·008$_3$	+·011$_6$	+·004$_2$
+10 to + 5	+·003$_{45}$	+·008$_7$	−·010$_5$	−·012$_3$	+·001$_5$	+·005$_4$	000$_5$	−·005$_4$	+·014$_3$
+ 5 to 0	+·005$_{32}$	+·008$_5$	−·005$_2$	−·012$_2$	+·001$_4$	−·011$_4$	000$_3$	+·003$_4$	+·007$_3$
0 to − 5	+·005$_{43}$	+·021$_3$	+·001$_5$	−·005$_7$	−·007$_4$	−·012$_5$	−·008$_5$	+·008$_7$	+·006$_7$
− 5 to −10	+·006$_{41}$	+·007$_5$	−·001$_3$	+·006$_4$	−·012$_3$	−·007$_3$	−·006$_3$	−·003$_5$	+·014$_5$
−10 to −15	−·010$_{34}$	+·010$_4$	−·027$_3$	−·012$_4$	+·009$_5$	−·001$_5$	+·008$_4$	+·014$_4$	−·006$_4$
−15 to −20	−·004$_{34}$	−·002$_4$	+·006$_3$	−·007$_5$	−·006$_2$	−·003$_6$	−·006$_3$	+·006$_4$	+·013$_5$
−20 to −25	−·012$_{25}$	+·012$_4$	+·015$_3$	−·006$_4$	−·012$_3$	+·003$_4$	−·023$_3$	+·014$_2$	−·001$_3$
−25 to −30	−·018$_{30}$	+·003$_3$	−·026$_2$	+·009$_3$	+·027$_3$	−·001$_4$	−·020$_3$	+·006$_9$	+·003$_1$
Below −30	−·015$_5$	.....	.....	+·009$_2$	−·003$_1$	.....	.....	−·008$_1$	−·009$_1$

TABLE XXXVIII—DIFFERENCES IN DECLINATION (0–FK3)

Decl.	$\Delta\delta_\delta$	$\Delta\delta_\alpha$							
		0^h to 3^h	3^h to 6^h	6^h to 9^h	9^h to 12^h	12^h to 15^h	15^h to 18^h	18^h to 21^h	21^h to 24^h
° °	″	″	″	″	″	″	″	″	″
+90 to +85	+·02 11	+·07 2	−·11 3	−·27 1	+·04 1	+·33 1	+·02 1	+·15 1	−·07 1
+85 to +80	+·07 14	+·42 1	−·25 1	−·13 1	−·13 2	−·05 2	+·21 2	−·14 3	+·13 2
+80 to +75	−·22 2	.....	.....	.....	.....	.....	+·21 1	.....	−·22 1
+75 to +70	−·13 3	.....	.....	.....	.....	−·22 1	+·06 1	.....	+·17 1
+70 to +65	−·07 5	.....	+·10 1	−·18 1	+·23 1	.....	.....	−·23 1	+·06 1
+65 to +60	+·25 9	+·05 2	−·07 1	.....	+·05 2	−·40 1	−·07 2	.....	+·41 1
+60 to +55	+·13 10	+·03 3	−·16 1	−·47 1	+·01 2	+·13 2	.....	.....	+·28 1
+55 to +50	+·20 13	−·21 2	.....	.....	−·02 2	−·14 1	−·33 2	+·17 4	+·32 2
+50 to +45	+·11 21	−·01 2	−·07 4	−·10 5	−·20 1	+·05 3	−·01 4	+·13 2	.....
+45 to +40	+·20 19	+·12 2	+·11 3	−·01 2	−·13 3	−·15 3	+·14 1	+·02 4	+·16 1
+40 to +35	+·32 16	+·21 3	+·14 2	−·37 2	+·46 1	−·14 3	−·11 1	+·12 1	−·10 2
+35 to +30	+·02 16	−·17 2	+·47 3	.....	+·19 2	−·26 4	−·20 1	−·15 3	.....
+30 to +25	+·14 22	+·02 2	+·03 3	−·27 3	−·10 2	+·04 3	−·02 2	+·20 3	+·06 4
+25 to +20	+·02 23	+·06 4	+·06 4	−·02 4	−·20 2	−·37 1	+·13 3	+·12 2	−·11 3
+20 to +15	+·07 40	+·02 5	−·02 7	−·14 4	−·15 4	−·04 6	+·17 4	+·07 5	+·06 5
+15 to +10	+·16 28	−·15 2	+·07 3	+·10 4	−·07 6	00 3	+·04 3	+·03 6	−·12 2
+10 to + 5	+·19 45	−·01 7	+·04 5	+·11 3	00 5	−·36 4	+·03 6	+·15 4	−·02 6
+ 5 to 0	+·23 32	+·01 5	+·12 3	+·23 2	−·14 4	+·02 4	+·01 3	+·01 4	−·12 3
0 to − 5	+·19 43	−·29 3	−·07 5	−·14 7	+·13 4	+·02 5	+·30 5	+·12 7	−·11 7
− 5 to −10	+·28 41	−·11 5	−·15 3	−·18 4	+·24 3	−·10 3	+·39 3	+·31 5	−·01 5
−10 to −15	+·39 24	−·19 4	+·07 3	+·04 4	−·09 5	−·17 6	+ 12 4	+·25 4	+·10 4
−15 to −20	+·50 24	−·14 6	−·46 3	+·18 3	−·38 2	+·13 6	+·56 3	00 4	−·11 5
−20 to −25	+·40 25	−·07 4	−·36 3	−·11 4	−·09 2	+·04 4	+·13 3	−·04 3	+·53 3
−25 to −30	+·59 30	−·78 2	−·18 2	−·40 3	−·15 3	−·36 4	+·17 6	+·46 9	−·03 1
Below −30	+·53 3	.....	.....	−·27 3	+·39 1	.....	.....	+·15 1	−·01 1

TABLE XXXIX—DIFFERENCES IN DECLINATION (0–G.C.)

Decl.	$\Delta\delta\delta$	$\Delta\delta_\alpha$							
		0h to 3h	3h to 6h	6h to 9h	9h to 12h	12h to 15h	15h to 18h	18h to 21h	21h to 24h
° °	″	″	″	″	″	″	″	″	″
+90 to +85	−·03 10	+·04 2	−·08 5	−·20 3	+·15 1	+·19 2	+·19 2	+·20 1	−·03 3
+85 to +80	·00 39	+·09 4	−·20 3	−·10 5	−·02 7	−·20 6	+·13 5	+·12 6	+·26 3
+80 to +75	+·04 26	+·28 2	−·18 2	−·07 2	−·19 2	+·03 1	+·10 5	+·18 3	−·25 3
+75 to +70	−·01 19	00 1	00 3	−·38 3	+·06 3	+·17 3	−·04 3	−·01 1	+·32 3
+70 to +65	+·09 28	+·02 4	−·21 3	−·15 3	+·31 4	−·36 3	+·09 2	+·16 4	−·01 5
+65 to +60	+·30 38	−·02 7	−·07 4	−·14 3	+·12 5	−·14 4	+·13 6	−·20 4	+·16 5
+60 to +55	+·26 49	+·17 9	−·25 5	−·22 6	−·03 7	−·06 6	+·12 5	+·10 5	+·04 6
+55 to +50	+·26 52	−·11 6	−·05 6	−·34 5	−·02 8	−·09 6	+·06 8	+·20 7	+·15 3
+50 to +45	+·28 57	−·02 6	−·02 8	−·13 9	+·02 8	+·06 8	+·16 8	−·08 9	+·08 4
+45 to +40	+·18 61	+·09 10	−·12 10	+·02 4	−·04 9	−·16 8	+·23 4	+·08 10	+·04 8
+40 to +35	+·30 62	+·04 9	−·04 9	−·08 7	−·01 6	−·15 9	+·22 6	+·07 7	+·05 9
+35 to +30	+·19 62	−·08 7	+·03 8	−·10 7	+·14 8	−·19 8	+·04 10	+·03 9	+·15 5
+30 to +25	+·14 80	+·06 9	+·02 8	−·17 11	−·09 9	−·05 12	+·03 11	+·13 9	+·12 11
+25 to +20	+·15 82	−·11 10	−·10 13	−·09 12	+·04 11	−·01 9	+·16 9	+·23 10	−·04 9
+20 to +15	+·22 84	−·09 8	−·11 11	−·13 10	−·17 12	−·01 12	+·30 12	+·12 10	+·06 9
+15 to +10	+·24 94	−·10 12	−·06 11	−·03 14	−·01 13	+·04 9	+·09 11	+·05 15	+·07 9
+10 to + 5	+·31 103	−·02 14	−·08 14	+·05 13	−·07 12	−·14 11	+·21 11	+·09 12	+·01 14
+ 5 to 0	+·32 83	−·05 10	−·22 9	−·11 9	−·07 10	+·08 10	+·17 12	+·11 11	+·03 12
0 to − 5	+·29 93	−·21 11	−·05 12	−·11 14	+·06 9	−·03 11	+·22 11	+·12 11	+·01 14
− 5 to −10	+·29 93	−·18 10	−·14 14	−·19 11	+·06 8	+·02 16	+·18 12	+·27 10	+·01 11
−10 to −15	+·45 83	+·02 10	−·22 11	−·02 10	−·11 11	−·14 11	+·25 10	+·11 11	+·20 9
−15 to −20	+·51 85	−·09 11	−·35 10	−·12 12	+·03 9	+·03 12	+·41 9	+·15 9	00 12
−20 to −25	+·55 79	−·28 8	−·23 11	−·07 11	−·24 7	−·04 11	+·37 11	+·17 11	+·15 9
−25 to −30	+·73 91	−·43 9	−·03 1	−·38 11	−·23 10	−·41 9	+·27 15	+·39 10	+·26 10
Below −30	+·56 7	.....	.....	−·14 2	+·65 1	−·42 2	.....	+·37 1	+·07 1

TABLE XL—DIFFERENCES IN RIGHT ASCENSION (0–G.C.)

Decl.	$\Delta\alpha_\delta$	$\Delta\alpha_\alpha$							
		0^h to 3^h	3^h to 6^h	6^h to 9^h	9^h to 12^h	12^h to 15^h	15^h to 18^h	18^h to 21^h	21^h to 24^h
° °	s	s	s	s	s	s	s	s	s
+90 to +85	−·102 19	−·042 2	+·105 5	+·003 3	+·073 1	+·131 2	−·174 2	−·062 1	−·122 3
+85 to +80	−·006 39	+·035 4	+·118 2	−·023 5	−·021 7	−·047 6	−·038 5	−·007 6	+·089 3
+80 to +75	−·026 20	+·044 2	+·032 2	−·008 2	+·018 2	−·005 1	−·063 5	+·041 3	+·008 3
+75 to +70	−·069 19	−·030 1	+·029 3	+·003 3	+·003 3	−·005 3	−·001 3	−·044 1	−·003 2
+70 to +65	−·069 28	+·024 4	+·008 3	−·022 3	−·016 4	+·007 3	−·053 2	−·005 4	+·026 5
+65 to +60	−·056 38	+·031 7	−·051 4	−·003 3	+·001 5	+·010 4	+·004 6	+·002 4	−·014 5
+60 to +55	−·028 49	+·017 9	·000 5	−·019 6	+·019 7	+·002 6	−·030 5	+·016 5	+·028 6
+55 to +50	−·024 52	+·028 6	+·006 6	−·019 5	−·006 6	+·002 6	−·027 5	−·007 7	+·023 8
+50 to +45	−·033 57	+·030 8	+·037 8	−·022 9	−·001 5	−·002 8	−·012 8	−·012 9	−·009 4
+45 to +40	−·035 61	+·014 10	−·002 10	−·012 4	−·007 9	−·013 8	−·013 4	+·009 10	+·011 6
+40 to +35	−·041 63	+·018 9	+·011 9	−·022 7	−·017 7	−·005 9	−·017 6	−·002 7	+·020 9
+35 to +30	−·034 61	+·016 7	−·003 8	−·016 7	+·004 7	·000 8	−·016 10	−·003 9	+·031 5
+30 to +25	−·029 80	+·026 9	−·009 8	−·019 11	−·019 9	−·006 12	−·004 11	+·007 9	+·023 11
+25 to +20	−·024 83	+·018 10	−·005 12	−·009 12	−·015 11	−·002 9	−·006 9	+·006 10	+·021 9
+20 to +15	−·022 84	+·014 8	−·010 11	−·015 10	−·005 12	−·009 12	−·004 12	+·015 10	+·028 9
+15 to +10	−·010 94	+·010 12	−·006 11	−·021 14	−·012 13	−·004 9	·000 11	+·012 15	+·026 9
+10 to + 5	−·007 103	+·017 14	−·020 14	−·020 15	−·008 12	+·002 11	−·007 11	+·007 12	+·028 14
+ 5 to 0	·000 82	+·013 10	−·008 9	−·024 9	−·017 10	−·011 10	+·003 12	+·010 11	+·024 12
0 to − 5	·000 93	+·023 11	−·010 12	−·022 14	−·012 9	−·013 11	+·001 11	+·013 11	+·020 14
− 5 to −10	−·005 92	+·020 10	−·018 14	−·012 11	−·023 8	−·019 16	+·005 12	+·011 10	+·032 11
−10 to −15	−·011 84	+·010 10	−·006 11	−·015 10	−·007 11	−·003 12	−·001 10	+·013 11	+·011 9
−15 to −20	−·016 84	+·009 11	−·012 10	−·012 12	−·020 9	·000 11	−·001 9	+·014 9	+·019 13
−20 to −25	−·015 79	+·018 8	−·001 11	−·014 11	−·014 7	−·019 11	−·003 11	+·012 11	+·028 9
−25 to −30	−·022 91	+·015 9	−·016 8	−·020 11	+·005 10	−·002 9	−·009 18	+·014 19	+·005 10
Below −30	−·023 7	.....	.....	−·002 3	−·014 1	+·011 3	.....	−·014 1	+·009 1

TABLE XLI—$\Delta\alpha$ COS δ (0–FK3)

Decl.	$\Delta\alpha\delta$ Cos δ	$\Delta\alpha_\alpha$ Cos δ Unit 0·000							
		0^h to 3^h	3^h to 6^h	6^h to 9^h	9^h to 12^h	12^h to 15^h	15^h to 18^h	18^h to 21^h	21^h to 24^h
° °									
+90 to +85	$-\cdot004_{11}$	$-\cdot002_3$	$-\cdot000_3$	$-\cdot006_1$	$+\cdot013_1$	$-\cdot008_1$	$+\cdot001_1$	$+\cdot008_1$	$-\cdot009_1$
+85 to +80	$\cdot000_{14}$	$+\cdot003_1$	$-\cdot002_1$	$+\cdot001_1$	$-\cdot004_2$	$-\cdot012_2$	$+\cdot004_2$	$+\cdot005_2$	$+\cdot007_2$
+80 to +75	$+\cdot010_2$	.....	.....	.....	.....	.....	$\cdot000_1$	.....	$-\cdot001_1$
+75 to +70	$-\cdot014_3$	.....	.....	.....	.....	$+\cdot007_1$	$+\cdot003_1$	.....	$-\cdot011_1$
+70 to +65	$-\cdot007_5$	.....	$+\cdot012_1$	$-\cdot015_1$	$-\cdot007_1$	.....	.....	$\cdot000_1$	$+\cdot011_1$
+65 to +60	$-\cdot011_3$	$+\cdot001_2$	$+\cdot004_1$	.....	$-\cdot007_2$	$+\cdot013_1$	$\cdot000_2$	.....	$-\cdot003_1$

TABLE XLII—$\Delta\alpha$ COS δ (0–GC)

Decl.	$\Delta\alpha\delta$ Cos δ	$\Delta\alpha_\alpha$ Cos δ Unit 0·000							
		0^h to 3^h	3^h to 6^h	6^h to 9^h	9^h to 12^h	12^h to 15^h	15^h to 18^h	18^h to 21^h	21^h to 24^h
° °									
+90 to +85	$-\cdot005_{19}$	$+\cdot001_2$	$+\cdot005_5$	$\cdot000_2$	$+\cdot003_1$	$+\cdot004_2$	$-\cdot009_2$	$+\cdot002_1$	$-\cdot009_3$
+85 to +80	$-\cdot001_{39}$	$+\cdot004_4$	$+\cdot013_5$	$-\cdot003_5$	$-\cdot003_7$	$-\cdot005_6$	$-\cdot005_5$	$-\cdot001_6$	$+\cdot011_3$
+80 to +75	$-\cdot006_{10}$	$+\cdot010_2$	$+\cdot007_2$	$-\cdot001_2$	$+\cdot004_2$	$-\cdot002_1$	$-\cdot014_5$	$+\cdot010_3$	$+\cdot002_3$
+75 to +70	$-\cdot021_{19}$	$-\cdot009_1$	$+\cdot009_3$	$\cdot000_3$	$+\cdot002_3$	$\cdot000_3$	$\cdot000_3$	$-\cdot016_1$	$-\cdot002_2$
+70 to +65	$-\cdot027_{28}$	$+\cdot011_4$	$+\cdot003_3$	$-\cdot011_3$	$-\cdot006_4$	$+\cdot003_3$	$-\cdot021_2$	$-\cdot001_4$	$+\cdot010_5$
+65 to +60	$-\cdot026_{38}$	$+\cdot014_7$	$-\cdot023_4$	$-\cdot002_3$	$\cdot000_5$	$+\cdot006_4$	$+\cdot002_6$	$+\cdot001_4$	$-\cdot006_5$
Mean	.....	$+\cdot009_{20}$	$+\cdot001_{21}$	$-\cdot003_{19}$	$-\cdot001_{22}$	$\cdot000_{19}$	$-\cdot006_{23}$	$+\cdot001_{15}$	$+\cdot001_{21}$

The following pages give the final observed right ascensions and declinations of the Sun, Mercury, and Venus, and the corresponding corrections to the American Ephemeris. The observations have not been corrected for equinox and equator. For the manner in which they were computed see page. (101).

SUN

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
1924				h m s	s		° ′ ″	″
Jan. 7·5	CS	E	.....	19 10	.....	.....	−22 28 6·3	+4·4
14·5	RM	E	W	19 40 31·72	+0·04	.....	−21 26	.....
18·5	M	E	.....	19 57 4·98	+0·01	.....	−20 42	.....
21·5	M	E	.....	20 10	.....	.....	−20 4 0·9	+6·0
23·5	CS	E	.....	20 19	.....	.....	−19 37 11·8	−0·6
24·5	CS	E	.....	20 23	.....	.....	−19 23 8·4	+1·9
31·5	M	E	.....	20 52	.....	.....	−17 35 21·6	+3·1
Feb. 7·5	M	E	.....	21 21	.....	.....	−15 32 20·0	−0·1
8·5	CS	E	.....	21 24 30·34	+0·26	.....	−15 13 38·3	−0·0
14·5	HS	E	.....	21 48	.....	.....	−13 16 19·1	+0·2
18·5	CS	E	.....	22 3 46·24	+0·05	.....	−11 54	.....
19·5	M	E	.....	22 7 37·59	−0·11	.....	−11 32 31·2	+3·9
21·5	RM	E	.....	22 15	.....	.....	−10 49 42·7	+4·1
22·5	CS	E	.....	22 19 8·05	−0·06	.....	−10 28	.....
23·5	RM	E	.....	22 22 56·97	+0·00	.....	−10 6 14·6	+3·6
25·5	RM	E	.....	22 30 32·62	−0·20	.....	− 9 2 9·8	+2·6
26·5	CS	E	.....	22 34 19·98	−0·04	.....	− 9 0	.....
29·5	RM	E	W	22 45 37·63	−0·22	.....	− 7 52 23·6	−1·5
March 13·5	HS	E	.....	23 33 48·34	+0·07	.....	− 2 49 54·6	+0·5
15·5	CS	E	.....	23 41 7·63	+0·02	.....	− 2 2 34·7	+1·1
17·5	CS	E	.....	23 48	.....	.....	− 1 15 12·4	−0·0
18·5	M	E	.....	23 52	.....	.....	− 0 51 29·8	−0·6
19·5	CS	E	.....	23 55 43·51	−0·02	.....	− 0 27 47·2	+0·9
20·5	RM	E	.....	23 59 22·09	+0·03	.....	− 0 4 3·6	+2·7
22·5	M	E	.....	0 6 38·74	−0·03	.....	+ 0 43 14·3	−0·1
25·5	CS	E	.....	0 17 33·22	−0·07	.....	+ 1 54 2·1	−1·9
28·5	RM	E	.....	0 28	.....	.....	+ 3 4 30·0	−1·5
31·5	CS	E	.....	0 39	.....	.....	+ 4 14 28·2	+0·8
April 5·5	RM	W	.....	0 58	.....	.....	+ 6 9 23·2	−1·5
15·5	M	W	.....	1 34	.....	.....	+ 9 50 36·3	−1·0
16·5	CS	W	.....	1 38	.....	.....	+10 11 56·4	+0·3
17·5	RM	W	.....	1 41 44·06	+0·10	.....	+10 33 5·6	+1·0
24·5	CS	W	.....	2 7 51·63	+0·01	.....	+12 55 53·6	−0·5
26·5	HS	W	.....	2 15	.....	N	+13 34 55·3	+0·9
28·5	CS	W	.....	2 23	.....	.....	+14 13 0·2	+0·9
29·5	M	W	.....	2 27	.....	.....	+14 31 42·3	+0·7
May 6·5	CS	W	.....	2 54	.....	.....	+16 35 40·7	+1·0
9·5	M	W	.....	3 5	.....	.....	+17 24 45·1	+0·0
16·5	HS	W	.....	3 33	.....	.....	+19 8 52·5	−0·8
17·5	M	W	.....	3 36 42·33	−0·01	.....	+19 22 32·1	+1·9

SUN—*continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	19·5	RM	W	.....	3	44	39·76	+0·03	.....	+19	49		.....
	20·5	HS	W	.....	3	48	38·94	−0·31	.....	+20	1	18·8	−2·5
	21·5	M	W	.....	3	52	39·40	+0·07	.....	+20	13	37·8	+0·1
	22·5	CS	W	.....	3	57		.....	N	+20	25	35·1	+1·7
	23·5	RM	W	.....	4	0	41·37	+0·26	.....	+20	37	11·4	+3·2
	31·5	M	W	.....	4	33	9·13	+0·32	.....	+21	56	45·3	−1·0
June	2·5	M	W	.....	4	41		.....	.....	+22	12	54·3	−0·9
	5·5	HS	W	.....	4	53	40·31	+0·01	.....	+22	34	15·7	−0·8
	8·5	CS	W	.....	5	6	3·24	+0·09	.....	+22	52		.....
	9·5	HS	W	.....	5	10	11·40	+0·13	.....	+22	57	12·1	+1·2
	10·5	M	W	.....	5	14	19·57	−0·09	.....	+23	1	54·8	+0·6
	11·5	CS	W	.....	5	18		.....	.....	+23	6	12·4	−0·6
	13·5	HS	W	.....	5	26	45·85	−0·08	.....	+23	13	35·7	−1·8
	14·5	M	W	.....	5	30	54·71	−0·27	.....	+23	16	41·3	−1·7
	16·5	RM	W	.....	5	39	13·44	−0·02	.....	+23	21	41·0	+1·3
	17·5	HS	W	.....	5	42	22·74	−0·08	.....	+23	23	27·8	−3·3
	18·5	M	W	.....	5	47	32·36	+0·09	.....	+23	24	57·9	+0·2
	19·5	CS	W	.....	5	51	41·89	+0·13	.....	+23	26	0·5	+1·0
	20·5	RM	W	.....	5	55	51·32	+0·20	.....	+23	26	35·8	+0·0
	24·5	RM	W	.....	6	12	29·34	+0·06	.....	+23	24	57·0	+0·5
	26·5	M	W	.....	6	20	47·91	+0·03	N	+23	21	36·2	−1·9
	27·5	CS	W	.....	6	24	56·91	−0·10	.....	+23	19	21·3	−0·7
	28·5	RM	W	.....	6	29	5·96	−0·01	.....	+23	16	41·4	+0·2
	30·5	M	W	.....	6	37	23·33	−0·01	.....	+23	10	7·3	+1·1
July	2·5	RM	W	.....	6	46		.....	N	+23	1	51·2	−2·9
	3·5	HS	W	.....	6	50		.....	.....	+22	57	12·1	+0·4
	4·5	M	W	.....	6	53	55·12	+0·01	.....	+22	52	4·5	−0·9
	5·5	CS	W	.....	6	58		.....	.....	+22	46	35·3	+0·1
	11·5	HS	W	W	7	22	37·15	−0·00	.....	+22	5	18·5	−2·2
	12·5	M	W	.....	7	26	41·33	−0·10	.....	+21	57	5·8	−1·8
	14·5	RM	W	.....	7	35		.....	.....	+21	39	33·4	−0·7
	18·5	RM	W	.....	7	50	56·60	−0·04	.....	+21	0	2·5	+0·0
	19·5	HS	W	.....	7	54	51·94	+0·09	.....	+20	49	15·0	−0·8
	23·5	HS	W	.....	8	10	54·94	+0·06	.....	+20	2	38·8	−1·9
	29·5	CS	W	.....	8	34		.....	.....	+18	42	49·7	−0·6
	31·5	HS	W	.....	8	24	22·59	+0·10	.....	+18	13	41·0	−1·7
Aug.	5·5	HS	W	.....	9	1	42·63	−0·09	.....	+16	55	45·9	+0·0
	11·5	M	W	.....	9	24	34·78	−0·02	.....	+15	13		.....
	15·5	RM	W	.....	9	40		.....	.....	+14	0	1·2	−1·0
	18·5	CS	W	.....	9	51		.....	.....	+13	2	44·6	−0·5
	19·5	RM	W	.....	9	55		.....	.....	+12	43	12·7	−1·3
	21·5	M	W	.....	10	1	56·98	+0·00	.....	+12	3	33·4	−2·5
	23·5	RM	W	.....	10	9	19·72	+0·06	.....	+11	23	10·3	−1·4
	25·5	RM	W	.....	10	16	40·66	−0·01	.....	+10	42		.....
Sept.	4·5	RM	W	.....	10	53	4·29	+0·06	.....	+ 7	7	1·4	−2·3

SUN—*continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
13·5	HS	W	.....	11 25 27·42	+0·08	.....	+ 3 43	.....
15·5	CS	E	.....	11 32 37·85	+0·06	.....	+ 2 57 28·1	−0·6
17·5	HS	E	.....	11 39 48·15	+0·02	.....	+ 2 11	.....
19·5	CS	E	.....	11 46 58·63	+0·07	.....	+ 1 24 41·2	+1·5
21·5	CS	E	.....	11 54 9·36	+0·12	.....	+ 0 38	.....
24·5	RM	E	.....	12 4 56·13	+0·01	.....	− 0 32	.....
25·5	HS	E	W	12 8 31·15	+0·12	.....	− 0 55 29·3	+0·9
26·5	M	E	.....	12 12 8·02	−0·11	.....	− 1 18 54·7	−0·7
27·5	CS	E	.....	12 15 44·50	+0·08	.....	− 1 42 17·6	−0·0
Oct. 3·5	HS	E	.....	12 37	.....	N	− 4 2 13·3	−1·8
4·5	HS	E	.....	12 41 5·64	+0·12	.....	− 4 25	.....
5·5	CS	E	.....	12 44 44·13	+0·11	.....	− 4 49	.....
9·5	M	E	.....	12 59 21·91	+0·16	.....	− 6 20	.....
10·5	RM	E	.....	13 3 2·42	+0·18	.....	− 6 43 6·6	−0·4
11·5	CS	E	.....	13 6 43·27	+0·09	.....	− 7 6	.....
15·5	CS	E	.....	13 21 32·18	+0·12	.....	− 8 35 26·9	−0·4
16·5	HS	E	.....	13 25 15·82	+0·02	.....	− 8 57 36·5	−2·2
17·5	M	E	.....	13 28 59·88	+0·01	.....	− 9 19 34·9	−0·5
19·5	CS	E	.....	13 36 30·10	−0·02	.....	−10 3	.....
22·5	RM	E	.....	13 47 50·55	+0·12	.....	−11 7 28·3	−0·3
23·5	M	E	.....	13 51 38·61	+0·05	.....	−11 29	.....
25·5	M	E	.....	13 59 16·98	−0·00	.....	−12 10	.....
27·5	CS	E	.....	14 6 58·38	+0·05	.....	−12 51 14·5	−0·8
28·5	HS	E	.....	14 10 50·16	+0·02	.....	−13 11 25·9	−1·5
29·5	M	E	.....	14 14 42·73	+0·02	.....	−13 31 23·2	−0·3
31·5	CS	E	.....	14 22 31·21	+0·07	.....	−14 10 40·2	+1·0
Nov. 3·5	RM	E	.....	14 34 17·39	+0·27	.....	−15 7 54·2	+0·5
11·5	RM	E	.....	15 6 18·25	+0·10	.....	−17 29 5·6	−1·0
13·5	CS	E	.....	15 14 21·97	+0·14	.....	−18 1 29·0	+0·1
18·5	HS	E	.....	15 35 3·38	−0·10	.....	−19 16 53·5	+0·1
28·5	M	E	.....	16 17	.....	.....	−21 21 2·5	−0·0
29·5	CS	E	.....	16 21 36·79	+0·20	.....	−21 31 19·8	−0·2
Dec. 2·5	RM	E	.....	16 34 33·67	+0·10	.....	−21 59 43·2	−1·5
4·5	M	W	.....	16 43 15·42	−0·15	.....	−22 16 28·7	+0·3
5·5	HS	W	.....	16 48	.....	.....	−22 24 14·5	+0·3
31·5	HS	W	.....	18 43.....	.....	.....	−23 5 8·4	+2·0
1925								
Jan. 9·5	CS	W	.....	19 22 7·21	+0·06	.....	−22 6 18·4	+2·0
17·5	CS	W	.....	19 56 39·17	+0·03	.....	−20 44 34·9	+1·6
23·5	M	W	.....	20 22	.....	.....	−19 26 34·3	+2·8
25·5	CS	W	W	20 30 27·18	+0·26	.....	−18 58	.....
27·5	M	W	.....	20 38 46·16	+0·07	.....	−18 27 19·9	+1·8
30·5	RM	W	.....	20 51 8·43	−0·18	.....	−17 39	.....
Feb. 1·5	CS	W	.....	20 59 19·66	+0·24	.....	−17 6	.....
3·5	RM	E	.....	21 7	.....	.....	−16 31 1·7	+4·3
7·5	CS	E	.....	21 23 31·98	+0·19	.....	−15 18 13·6	−0·1
9·5	RM	E	.....	21 31 29·62	+0·24	.....	−14 41 10·6	+1·9

SUN—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	14·5	M	E	.....	21	51	9·87	+0·02	.....	−13	1	0·3	−0·7
	17·5	RM	E	.....	22	2	49·54	+0·16	.....	−11	58	50·9	+1·5
	18·5	M	E	.....	22	6	41·14	−0·03	.....	−11	37	46·7	−0·1
	28·5	HS	E	.....	22	45		.....	.....	− 7	57	49·4	+0·2
Mar.	2·5	M	E	.....	22	52		.....	.....	− 7	12	13·7	+1·1
	3·5	CS	E	.....	22	55	57·61	+0·08	.....	− 6	49		.....
	5·5	CS	W	.....	23	3	23·96	−0·13	.....	− 6	3	6·9	+1·2
	7·5	CS	W	W	23	11	49·05	+0·21	.....	− 5	16	39·7	−1·1
	9·5	HS	W	.....	23	18		.....	.....	− 4	29	49·8	+2·8
	11·5	HS	W	.....	23	25	33·68	+0·01	.....	− 3	42	53·4	−0·3
	12·5	RM	W	.....	23	29	14·26	+0·21	.....	− 3	19	19·9	−0·7
	15·5	CS	W	.....	23	40	13·54	+0·02	.....	− 2	8		.....
	20·5	CS	W	W	23	58	28·50	−0·07	.....	− 0	9	54·0	+0·6
	23·5	CS	W	W	0	8	23·95	−0·08	.....	+ 1	1	10·3	+2·3
	24·5	M	W	.....	0	13	2·30	−0·06	.....	+ 1	24	48·1	+2·1
	25·5	CS	W	.....	0	40	40·67	+0·03	.....	+ 1	48	20·2	−1·6
	26·5	M	W	.....	0	20		.....	.....	+ 2	11	56·5	+1·3
April	2·5	HS	E	W	0	45	47·01	+0·00	.....	+ 4	45	11·7	+2·1
	4·5	RM	E	.....	0	53	4·48	+0·15	.....	+ 5	41	6·8	+1·7
	6·5	HS	E	.....	1	0	22·26	+0·00	.....	+ 6	26	39·3	+2·7
	8·5	RM	E	.....	1	7	41·05	+0·11	.....	+ 7	11	42·6	+1·1
	9·5	M	E	.....	1	11	20·77	+0·15	.....	+ 7	34	4·3	+1·3
	13·5	CS	E	.....	1	26	2·18	+0·02	.....	+ 9	2		.....
	16·5	RM	E	.....	1	37	6·94	+0·14	.....	+10	7		.....
	17·5	M	E	.....	1	40	49·12	+0·03	.....	+10	27	55·0	+1·9
	18·5	HS	E	.....	1	44	31·85	+0·05	.....	+10	48	55·8	+1·6
	20·5	RM	E	.....	1	51	58·50	+0·06	.....	+11	30	28·4	+3·8
	21·5	M	E	.....	1	55	42·39	−0·02	.....	+11	51		.....
	22·5	HS	E	.....	1	59	26·81	−0·01	.....	+12	11	9·3	−0·5
	25·5	M	E	.....	2	10	42·77	−0·03	.....	+13	10	47·0	−0·1
	28·5	RM	E	.....	2	22	2·77	−0·27	.....	+14	8	28·2	+0·8
	30·5	HS	E	.....	2	29	38·79	−0·24	.....	+14	45	45·4	+0·7
May	9·5	RM	W	E	3	4	17·03	−0·18	.....	+17	20	49·9	−0·9
	11·5	CS	W	.....	3	12	5·27	+0·07	.....	+17	52	16·5	+1·2
	12·5	HS	W	.....	3	16	0·12	+0·03	.....	+18	7	30·2	−0·7
	14·5	M	W	.....	3	23	51·71	+0·05	.....	+18	37	8·3	+1·1
	15·5	CS	W	.....	3	27	48·38	+0·06	.....	+18	51	28·0	+0·6
	18·5	M	W	.....	3	39	41·77	−0·09	.....	+19	32	33·3	+0·4
	19·5	CS	W	.....	3	43	40·93	+0·08	.....	+19	45	36·9	+1·4
	22·5	M	W	.....	3	55	41·09	−0·08	.....	+20	22	41·1	−0·5
	27·5	CS	W	.....	4	15	52·17	+0·07	.....	+21	17	28·9	−1·3
	28·5	CS	W	.....	4	20	55·70	−0·05	.....	+21	27	22·6	+0·1
	29·5	RM	W	W	4	24	0·05	+0·25	.....	+21	37		.....
	30·5	M	W	.....	4	28	4·31	+0·01	.....	+21	46	0·0	−0·2
June	5·5	M	E	E	4	52	39·40	−0·09	.....	+22	33		.....

SUN—*continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
6·5	RM	E	E	4 56 45·77	+0·21	.....	+22 39 6·4	−0·8
8·5	RM	E	.....	5 5 1·63	−0·03	.....	+22 50 45·3	−0·2
11·5	CS	E	.....	5 17 26·49	+0·13	.....	+23 5 13·2	+0·8
13·5	CS	E	.....	5 25 44·04	+0·02	.....	+23 12 48·9	+0·2
16·5	HS	E	.....	5 38 11·84	+0·01	.....	+23 21 9·4	+0·0
17·5	M	E	.....	5 42 21·37	+0·01	.....	+23 23 7·0	+0·0
19·5	CS	E	.....	5 50 40·68	+0·05	.....	+23 25 47·4	−0·6
22·5	RM	E	.....	6 3 9·60	−0·11	.....	+23 26 42·2	−1·1
23·5	CS	E	.....	6 7	.....	.....	+23 26 12·8	+0·6
24·5	HS	E	.....	6 11 28·72	−0·16	.....	+23 25 15·2	−1·0
27·5	M	E	W	6 23 56·86	+0·06	S	+23 20 3·3	+3·2
July 8·5	RM	W	.....	7 9 20·83	+0·06	.....	+22 29 24·4	−1·1
9·5	RM	W	W	7 13 26·62	+0·22	.....	+22 22 25·6	−1·3
10·5	M	W	.....	7 17 31·68	+0·01	.....	+22 15 4·8	−0·3
13·5	M	W	.....	7 29 44·95	+0·02	.....	+21 50 42·3	−0·3
14·5	M	W	.....	7 33 48·40	−0·07	.....	+21 41 49·6	−0·2
22·5	M	W	.....	8 5 58·67	+0·03	.....	+20 17 45·5	−0·3
24·5	RM	W	.....	8 13 55·72	+0·08	.....	+19 53 15·6	−0·4
25·5	RM	W	.....	8 17 53·33	+0·08	.....	+19 40 30·8	−0·4
27·5	CS	W	.....	8 26	.....	.....	+19 14 2·4	−0·7
28·5	CS	W	.....	8 30	.....	.....	+19 0 20·6	+0·4
31·5	CS	W	.....	8 41 25·97	+0·01	.....	+18 17 20·4	−0·1
Aug. 7·5	CS	E	.....	9 8 26·08	+0·08	.....	+16 26 46·3	−1·0
10·5	CS	E	.....	9 19 51·53	+0·02	.....	+15 35	.....
11·5	HS	E	.....	9 23 38·85	−0·04	.....	+15 16 39·9	−0·4
12·5	HS	E	.....	9 27 25·89	+0·17	.....	+14 59 46·7	+0·6
14·5	CS	E	.....	9 34 57·86	+0·09	.....	+14 23 14·3	−0·1
15·5	CS	E	E	9 38 43·00	−0·00	.....	+14 4 36·2	−1·6
17·5	HS	E	.....	9 46 11·98	+0·07	.....	+13 26 46·7	+2·3
18·5	HS	E	.....	9 49 55·69	+0·09	.....	+13 17 28·9	+0·5
19·5	HS	E	W	9 53 38·83	+0·03	.....	+12 48 0·2	+0·5
20·5	RM	E	W	9 56 21·61	+0·11	.....	+12 28	
21·5	HS	E	.....	10 1 3·75	+0·03	.....	+12 8 25·7	−0·5
22·5	CS	E	.....	10 4 45·49	+0·03	.....	+11 48 22·2	+0·2
24·5	CS	E	.....	10 12 7·76	+0·18	.....	+11 7 40·0	−0·4
25·5	M	E	.....	10 15 48·04	+0·06	.....	+10 47	.....
26·5	M	E	.....	10 19 27·91	−0·03	.....	+10 26 17·0	+0·3
27·5	HS	E	.....	10 23 7·53	+0·04	.....	+10 5 20·5	+0·7
29·5	M	E	W	10 29 25·35	−0·06	S	+ 9 22 57·7	−0·4
31·5	HS	E	.....	10 37 41·98	+0·11	.....	+ 8 40 2·1	+1·4
Sept. 5·5	HS	W	.....	10 55 47·87	+0·16	.....	+ 6 50 18·0	+0·0
8·5	M	W	.....	11 6 36·44	−0·01	.....	+ 5 42 4·6	−0·1
14·5	CS	W	.....	11 28 10·16	−0·03	.....	+ 3 26	.....
15·5	M	W	W	11 31 45·63	+0·07	.....	+ 3 3 5·3	−0·4
17·5	RM	W	W	11 38 55·99	−0·20	.....	+ 2 16 46·0	−0·7

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
22·5	M	W	.....	11 56 53·06	−0·05	.....	+ 0 20	.....
23·5	HS	W	E	12 0 28·62	−0·07	.....	− 0 3	.....
25·5	RM	W	.....	12 7 40·23	+0·03	.....	− 0 49 53·3	−0·1
26·5	M	W	.....	12 11 16·11	−0·04	.....	− 1 13 17·1	−0·5
Oct. 1·5	M	W	.....	12 29 19·12	+0·20	.....	− 3 9 59·8	+1·6
5·5	HS	E	W	12 43 50·34	+0·21	.....	− 4 43	.....
10·5	M	E	.....	13 2 8·02	+0·12	.....	− 6 37 30·6	+0·4
13·5	M	E	.....	13 13 12·15	−0·05	.....	− 7 45 21·8	−1·7
14·5	M	E	.....	13 16 54·59	−0·09	.....	− 8 8	.....
15·5	CS	E	.....	13 21	.....	.....	− 8 30 2·8	−0·8
16·5	CS	E	.....	13 24 21·54	+0·22	.....	− 8 52 11·7	+0·7
17·5	HS	E	.....	13 28 5·51	+0·01	.....	− 9 14	.....
18·5	CS	E	.....	13 32	.....	.....	− 9 36 9·8	+0·4
27·5	HS	E	.....	14 6 2·25	+0·07	.....	−12 46	.....
31·5	CS	E	.....	14 21 32·53	+0·02	.....	−14 5 55·8	+1·1
Nov. 2·5	RM	E	.....	14 29 22·50	+0·15	.....	−14 44 25·0	+0·4
3·5	RM	W	.....	14 33 18·60	+0·11	.....	−15 3 18·1	+0·4
4·5	RM	W	.....	14 37 15·48	+0·01	.....	−15 22	.....
10·5	RM	W	.....	15 1 15·24	+0·10	.....	−17 8 16·0	+0·3
12·5	CS	W	.....	15 9	.....	S	−17 41 30·4	−3·4
17·5	M	W	.....	15 29 53·87	−0·13	.....	−18 58 57·6	−0·9
23·5	M	W	.....	15 54 59·62	−0·12	.....	−20 20 38·0	+2·9
24·5	CS	W	.....	15 59 13·56	+0·14	.....	−20 33 2·5	−1·2
26·5	CS	W	.....	16 9 43·16	+0·12	.....	−20 56 32·4	+0·5
30·5	CS	W	.....	16 25	.....	.....	−21 38 50·7	−0·3
Dec. 9·5	RM	E	.....	17 4 0·67	−0·04	.....	−22 49 21·1	+4·1
10·5	HS	E	.....	17 8	.....	.....	−22 54 58·4	+5·6
15·5	HS	E	.....	17 30 29·13	+0·02	.....	−23 16 25·6	+1·7
23·5	CS	E	.....	18 6 0·19	+0·25	.....	−23 26 24·1	+2·7
24·5	CS	E	.....	18 10	.....	.....	−23 25 33·3	+1·1
28·5	RM	E	.....	18 28 12·03	+0·30	.....	−23 17 23·4	−0·7
29·5	RM	E	.....	18 33	.....	.....	−23 14 6·2	+3·2
30·5	HS	E	.....	18 37 3·30	+0·00	.....	−23 10 25·5	+2·6
1926								
Jan. 7·5	RM	E	.....	19 12	.....	.....	−22 24 29·3	−1·5
8·5	CS	E	.....	19 16 39·99	+0·09	S	−22 16 39·1	+2·4
10·5	CS	E	.....	19 25	.....	.....	−21 59 51·3	−1·1
14·5	HS	W	.....	19 43	.....	.....	−21 20 58·9	+1·3
22·5	HS	W	.....	20 16 50·01	−0·13	.....	−19 43 51·8	+6·0
25·5	M	W	.....	20 29	.....	.....	−19 1 18·8	+3·5
27·5	RM	W	.....	20 37 44·38	+0·11	.....	−18 31 15·0	−1·0
Feb. 2·5	HS	W	.....	21 2 22·50	+0·14	.....	−16 52 58·5	+0·6
5·5	RM	E	.....	21 14 30·78	+0·31	.....	−15 59 46·4	+0·6
7·5	CS	E	.....	21 23	.....	.....	−15 22 53·7	+1·7

SUN—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	9·5	RM	E	.....	21	30	29·42	+0·20	.....	−14	45	1·0	−0·1
	10·5	M	E	.....	21	34		.....	.....	−14	25	39·8	+1·5
	12·5	HS	E	.....	21	42	21·93	+0·08	.....	−13	46	13·9	+4·8
	13·5	RM	E	.....	21	46	17·67	+0·13	.....	−13	26	15·7	+1·2
	16·5	HS	E	.....	21	58	0·07	+0·02	.....	−12	24	53·5	+0·7
Mar.	4·5	HS	E	.....	22	59		.....	.....	− 6	31	59·4	+2·5
	9·5	M	W	.....	23	17	17·03	−0·03	.....	− 4	36		.....
	10·5	RM	W	.....	23	20	58·45	+0·12	.....	− 4	12	14·0	+0·6
	11·5	M	W	.....	23	24	39·09	−0·18	.....	− 3	49		.....
	12·5	HS	W	.....	23	28	19·83	−0·07	.....	− 3	25	7·0	+1·8
	15·5	M	W	W	23	39	20·07	−0·00	.....	− 2	14	13·3	−0·5
	17·5	M	W	.....	23	46	38·81	−0·11	.....	− 1	26	48·9	−0·2
	18·5	RM	W	.....	23	50	18·01	+0·02	.....	− 1	3	3·0	+2·7
	20·5	RM	W	.....	23	57	35·72	+0·10	.....	− 0	15	38·0	+1·7
	22·5	M	W	.....	0	4	52·73	+0·11	.....	+ 0	31	43·2	−0·1
	29·5	M	W	.....	0	30	19·68	−0·08	.....	+ 3	16	34·2	+1·8
	30·5	RM	W	.....	0	33	58·00	+0·08	.....	+ 3	39	54·7	+2·0
April	6·5	M	E	.....	0	59	28·23	+0·01	.....	+ 6	21	3·0	+1·9
	9·5	HS	E	.....	1	10	26·95	+0·04	.....	+ 7	28	35·5	+0·6
	10·5	M	E	.....	1	14	6·92	−0·05	.....	+ 7	50	53·0	+1·2
	12·5	RM	E	.....	1	21	27·92	−0·03	.....	+ 8	35	2·9	+1·2
	13·5	HS	E	.....	1	25	8·87	−0·01	.....	+ 8	56	53·8	−0·1
	15·5	CS	E	.....	1	32	31·87	+0·18	.....	+ 9	40	13·1	+1·8
	19·5	CS	E	.....	1	47	21·45	+0·01	.....	+11	4	48·0	+0·4
	21·5	HS	E	.....	1	55		.....	.....	+11	46	2·7	+2·0
	22·5	M	E	.....	1	59		.....	.....	+12	6	20·4	+0·4
	23·5	CS	E	.....	2	2	17·57	+0·13	.....	+12	26	28·0	+0·6
	27·5	CS	E	.....	2	17	20·67	+0·07	N	+13	44	48·5	−1·7
	29·5	HS	E	.....	2	24	55·17	+0·03	.....	+14	22	41·4	+0·0
May	1·5	CS	E	.....	2	32	31·85	+0·06	.....	+14	59	35·8	+0·0
	4·5	HS	W	.....	2	44	0·95	+0·05	.....	+15	53	6·6	+0·5
	5·5	CS	W	W	2	47	51·74	+0·00	.....	+16	10	28·3	+2·9
	7·5	RM	W	.....	2	55	35·20	+0·02	.....	+16	44	16·9	+1·4
	8·5	HS	W	.....	2	59	27·76	−0·02	.....	+17	0	47·0	+1·2
	12·5	HS	W	W	3	15	4·04	+0·04	.....	+18	3	54·7	−0·2
	14·5	M	W	.....	3	22	55·52	−0·03	.....	+18	33	42·9	+1·3
	15·5	RM	W	.....	3	26	52·24	+0·06	.....	+18	48	6·8	−0·1
	17·5	CS	W	.....	3	34	47·08	−0·03	.....	+19	16	0·6	+0·5
	25·5	CS	W	.....	4	6	48·13	−0·06	.....	+20	54	6·8	+0·4
	26·5	M	W	.....	4	10	50·53	−0·10	.....	+21	4	46·8	−0·7
	27·5	RM	W	.....	4	14	53·67	+0·13	.....	+21	15	6·0	−0·6
	29·5	CS	W	.....	4	23	0·75	−0·06	.....	+21	34	38·9	+0·0
June	4·5	HS	E	.....	4	47	33·35	+0·03	.....	+22	24	13·6	+1·1
	5·5	CS	E	.....	4	51	40·20	+0·07	.....	+22	31		.....
	9·5	HS	E	W	5	8	10·81	+0·04	.....	+22	54	48·6	+0·6

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
11·5	RM	E	.....	5 16 27·91	+0·15	.....	+23 4 14·2	−0·1
15·5	M	E	W	5 33 4·09	+0·08	.....	+23 18 13·7	+0·4
16·5	RM	E	.....	5 37 13·35	−0·06	.....	+23 20 38·8	−2·7
17·5	M	E	.....	5 41 22·93	+0·05	.....	+23 23	.....
20·5	CS	E	.....	5 54	.....	.....	+23 26 26·0	−0·4
22·5	CS	E	.....	6 2 10·67	−0·03	.....	+23 26 50·5	+0·6
23·5	HS	E	.....	6 6 20·18	−0·01	.....	+23 26 24·2	−0·3
24·5	M	E	W	6 10 29·50	−0·10	.....	+23 25 33·8	−0·5
25·5	RM	E	.....	6 14 39·02	+0·11	.....	+23 24 17·3	−2·0
27·5	CS	E	.....	6 23	.....	.....	+23 20 35·3	+0·1
28·5	HS	E	.....	6 27 6·13	+0·04	.....	+23 18 5·6	−0·6
29·5	M	E	.....	6 31 14·92	+0·06	.....	+23 15 14·1	+1·3
30·5	HS	E	.....	6 35 23·49	+0·06	.....	+23 12	.....
July 2·5	M	E	.....	6 43 39·89	−0·04	.....	+23 4 7·2	+1·2
3·5	HS	W	.....	6 47 47·86	+0·04	.....	+22 59 35·8	+0·5
4·5	CS	W	.....	6 52	.....	.....	+22 54 40·6	+0·2
7·5	M	W	.....	7 4 16·57	+0·12	.....	+22 38	.....
13·5	HS	W	.....	7 28 48·23	+0·08	.....	+21 52 46·8	+0·2
14·5	RM	W	.....	7 32 51·96	+0·09	.....	+21 44 1·2	+2·1
15·5	CS	W	.....	7 37	.....	.....	+21 34 49·3	+0·0
16·5	M	W	.....	7 40 57·81	+0·05	.....	+21 25 17·6	+0·1
17·5	HS	W	.....	7 44 59·98	+0·06	.....	+21 15 23·5	−0·3
19·5	RM	W	.....	7 53 2·81	+0·20	.....	+20 54 31·4	−0·3
23·5	RM	W	.....	8 9 1·19	+0·04	.....	+20 9	.....
26·5	M	W	.....	8 20 53·81	−0·10	.....	+19 30 35·9	+0·0
27·5	CS	W	.....	8 24 50·49	+0·14	.....	+19 17	.....
Aug. 5·5	RM	W	.....	8 59 51·84	+0·10	.....	+17 4	.....
11·5	CS	W	.....	9 22 46·23	+0·07	.....	+15 22	.....
20·5	CS	W	.....	9 57	.....	.....	+12 32 57·8	−0·2
24·5	M	W	W	10 11 15·28	+0·05	.....	+11 12	.....
25·5	CS	W	.....	10 14 55·77	+0·16	.....	+10 52	.....
26·5	M	W	.....	10 18 35·69	+0·11	.....	+10 31	.....
27·5	M	W	W	10 22 15·27	+0·11	.....	+10 10	.....
Sept. 2·5	RM	W	.....	10 44 5·61	+0·02	.....	+ 8 2	.....
8·5	RM	W	.....	11 5 46·10	−0·05	.....	+ 5 48	.....
28·5	RM	W	.....	11 17 36·98	+0·19	.....	− 1 55	.....
30·5	RM	W	.....	12 24 50·31	+0·19	.....	− 2 41 8·2	+0·4
1927								
April 4·5	CS	E	.....	0 51	.....	N	+ 5 29 55·4	+2·0
6·5	M	E	.....	0 58 35·32	−0·01	.....	+ 6 16	.....
7·5	CS	E	.....	1 2 14·62	+0·01	.....	+ 6 38	.....
8·5	M	E	.....	1 5 4·00	−0·10	.....	+ 7 0 47·3	+0·9
9·5	HS	E	.....	1 10	.....	N	+ 7 23 13·1	+0·6

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
10·5	CS	E	.....	1 13	.....	.....	+ 7 45 30·9	+0·0
11·5	CS	E	.....	1 16 54·02	+0·13	.....	+ 8 7 40·6	−0·8
13·5	HS	E	.....	1 24 15·15	+0·11	S	+ 8 51 37·7	+0·4
14·5	M	E	.....	1 27 56·16	+0·10	.....	+ 9 13 24·2	+2·1
16·5	CS	E	.....	1 35 19·21	+0·12	N	+ 9 56 22·7	−0·5
20·5	CS	E	.....	1 50 9·70	+0·08	.....	+11 21	.....
21·5	CS	E	.....	1 53 53·36	+0·08	S	+11 40 56·5	−2·5
27·5	M	E	.....	2 16 25·06	−0·03	.....	+13 40 8·6	−0·0
28·5	HS	E	.....	2 20 12·18	+0·04	.....	+13 59 17·3	+1·9
29·5	CS	E	.....	2 24	.....	.....	+14 18 3·6	−4·9
30·5	CS	E	.....	2 27 47·82	+0·00	.....	+14 37	.....
May 7·5	HS	W	.....	2 54 39·59	+0·06	.....	+16 40 17·8	−0·8
17·5	HS	W	.....	3 33 49·10	+0·15	.....	+19 12 42·0	−0·1
21·5	HS	W	.....	3 49 44·63	+0·10	.....	+20 4 49·4	+0·9
30·5	RM	W	.....	4 26	.....	.....	+21 41 43·4	+0·6
June 1·5	RM	W	.....	4 34 16·63	+0·27	.....	+21 59 11·4	−0·8
2·5	CS	W	.....	4 38	.....	.....	+22 7 22·8	+0·1
6·5	CS	W	.....	4 55	.....	N	+22 36 10·8	+0·0
8·5	HS	W	.....	5 3 3·22	−0·16	.....	+22 48 13·1	+0·5
10·5	RM	W	.....	5 11 19·65	+0·03	.....	+22 58 37·5	−0·6
13·5	M	W	.....	5 23 45·30	+0·03	.....	+23 11 14·4	+0·2
14·5	HS	W	.....	5 27 54·16	−0·08	.....	+23 14 37·6	+0·2
15·5	RM	W	.....	5 32 3·40	+0·05	.....	+23 17 36·3	+0·4
18·5	HS	W	.....	5 43 31·39	+0·01	.....	+23 24 3·9	+0·4
20·5	RM	W	.....	5 52 50·37	−0·08	.....	+23 26	.....
21·5	CS	W	.....	5 57 0·27	+0·21	.....	+23 27	.....
24·5	RM	W	.....	6 9 28·90	+0·06	.....	+23 25 51·7	−0·1
July 4·5	HS	W	.....	6 51	.....	N	+22 55 55·6	+1·0
5·5	HS	W	.....	6 55 4·02	+0·14	.....	+22 50 44·3	+0·6
8·5	M	E	W	7 7 23·66	+0·20	.....	+22 32 42·5	+0·6
11·5	HS	E	.....	7 19 40·32	+0·05	.....	+22 11 10·1	+0·6
12·5	CS	E	.....	7 23 44·86	+0·00	.....	+22 3 11·3	−1·5
14·5	CS	E	.....	7 32	.....	.....	+21 46 10·8	−0·6
16·5	HS	E	.....	7 39 58·63	+0·13	.....	+21 27 41·1	+0·3
18·5	M	E	.....	7 48 2·29	−0·06	.....	+21 7 42·3	−0·4
19·5	HS	E	.....	7 52 3·63	+0·11	.....	+20 57 10·7	−0·7
20·5	RM	E	.....	7 56 4·17	+0·01	.....	+20 46	.....
21·5	HS	E	.....	8 0	.....	.....	+20 35 5·9	+0·7
25·5	RM	E	.....	8 15 59·26	+0·02	.....	+19 46 45·2	+0·1
26·5	HS	E	W	8 19 56·53	−0·03	.....	+19 33 49·3	−0·6
28·5	CS	E	.....	8 27 49·46	+0·03	.....	+19 7 1·8	+0·3
29·5	RM	E	.....	8 32	.....	.....	+18 53 8·9	+0·3
30·5	HS	E	.....	8 35 39·96	+0·05	.....	+18 38 56·9	−0·0
Aug. 1·5	M	E	.....	8 43 27·98	+0·06	.....	+18 9 39·8	+0·7
2·5	CS	E	.....	8 47 21·03	+0·04	.....	+17 54	.....

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
3·5	RM	E	.....	8 51 13·35	−0·09	.....	+17 39 8·1	−1·8
5·5	M	W	.....	8 58 56·43	−0·04	.....	+17 7 31·2	−0·7
6·5	CS	W	.....	9 2 47·05	−0·02	.....	+16 51	.....
10·5	M	W	W	9 18 3·19	−0·13	.....	+15 43 42·6	+0·3
12·5	RM	W	.....	9 25 37·92	+0·04	.....	+15 8 21·4	−1·5
13·5	HS	W	.....	9 29 24·43	+0·12	.....	+14 50 21·6	−0·2
22·5	RM	W	.....	10 2 59·05	+0·08	.....	+11 58 3·9	−1·0
24·5	M	W	.....	10 10 21·51	−0·01	.....	+11 17 34·2	+0·9
25·5	HS	W	.....	10 14 2·31	+0·16	.....	+10 57	.....
26·5	RM	W	.....	10 17 42·52	+0·15	.....	+10 36	.....
Sept. 6·5	RM	W	.....	10 57 41·21	−0·01	.....	+ 6 38 40·1	+0·4
8·5	M	W	.....	11 4 53·69	+0·03	.....	+ 5 53 48·8	−1·6
9·5	CS	W	.....	11 8 29·72	+0·15	.....	+ 5 31 15·3	−1·6
10·5	RM	E	.....	11 12 5·37	+0·06	.....	+ 5 8 37·8	−0·1
12·5	HS	E	.....	11 19 16·34	−0·04	.....	+ 4 23 4·8	+0·3
14·5	CS	E	.....	11 26 27·02	−0·02	.....	+ 3 37 11·9	−1·1
16·5	HS	E	.....	11 33 37·59	+0·09	.....	+ 2 51 5·3	−0·1
17·5	M	E	.....	11 37 12·96	+0·25	.....	+ 2 27 54·4	−2·0
20·5	RM	E	.....	11 47 58·49	+0·03	.....	+ 1 18 10·4	−2·1
21·5	HS	E	.....	11 51 33·94	+0·11	.....	+ 0 54 52·3	−1·0
24·5	RM	E	.....	12 2 20·56	+0·06	.....	− 0 15 12·5	+0·6
29·5	RM	E	.....	12 20 21·29	+0·01	.....	− 2 12 10·3	+0·5
Oct. 3·5	CS	E	.....	12 34 50·01	+0·13	.....	− 3 45 26·5	−0·7
4·5	RM	E	.....	12 38 27·84	+0·11	.....	− 4 8 39·5	−1·2
5·5	HS	W	.....	12 42 6·01	+0·12	.....	− 4 31 48·8	−0·7
8·5	RM	W	.....	12 53 2·79	+0·20	.....	− 5 40 54·4	+0·2
10·5	HS	W	.....	13 0 22·36	−0·04	.....	− 6 26 38·3	+0·4
11·5	M	W	.....	13 4 3·00	+0·05	.....	− 6 49 22·6	+0·1
15·5	M	W	.....	13 19	.....	.....	− 8 19 22·4	+0·2
17·5	CS	W	.....	13 26	.....	.....	− 9 3 41·5	−1·8
25·5	M	W	W	13 56 30·61	−0·07	.....	−11 55 18·5	−0·0
26·5	CS	W	.....	14 0 20·46	+0·04	.....	−12 16 1·3	−0·2
28·5	HS	W	W	14 8 2·20	+0·09	.....	−12 56 53·0	−0·8
31·5	HS	W	.....	14 20	.....	.....	−13 56 37·5	−1·0
Nov. 5·5	RM	E	.....	14 39 19·29	+0·03	.....	−15 31 37·0	−0·7
9·5	M	E	.....	14 55 17·04	+0·00	.....	−16 43 0·6	+0·2
14·5	M	E	.....	15 15 33·46	+0·05	.....	−18 5 52·5	−1·2
29·5	RM	E	.....	15 18 28·74	+0·05	N	−21 24 4·1	+4·9
Dec. 1·5	CS	E	.....	16 27	.....	.....	−21 43 52·8	+1·8
3·5	RM	E	.....	16 35 43·92	+0·23	.....	−22 2 9·4	+0·9
14·5	M	E	.....	17 23 54·68	+0·06	.....	−23 11 20·6	+1·4
15·5	CS	E	.....	17 28 20·07	+0·13	.....	−23 14 54·7	−2·0
30·5	M	E	.....	18 34 54·83	+0·03	.....	−23 12 23·4	−0·1

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
				h	m	s	s		°	′	″	″
1928												
Jan. 5·5	M	W	.....	19	1	23·73	+0·02	.....	−22	41	53·3	+2·3
27·5	CS	W	E	20	35	43·53	+0·19	N	−18	38	42·2	+2·8
29·5	CS	W	.....	20	44		.....	.....	−18	7	33·7	+0·9
30·5	HS	W	.....	20	48		.....	.....	−17	51	28·2	+1·9
Feb. 2·5	HS	W	.....	21	0	24·11	−0·06	.....	−17	1	19·1	+4·6
6·5	CS	W	.....	21	17		.....	.....	−15	50	25·8	+1·7
7·5	HS	W	.....	21	20	35·22	+0·02	.....	−15	32	1·2	+0·6
10·5	CS	W	.....	21	33		.....	N	−14	35	10·7	+0·4
13·5	M	W	.....	21	44		.....	.....	−13	36	5·4	+3·2
20·5	CS	W	.....	22	11	33·94	+0·04	.....	−11	10	50·3	+1·4
21·5	RM	W	.....	22	15	24·34	+0·12	.....	−10	49		.....
28·5	RM	W	W	22	41	58·65	+0·05	.....	− 8	14	25·5	+2·7
March 1·5	RM	W	W	22	49	28·17	−0·68	.....	− 7	29	2·8	+0·3
2·5	M	W	.....	22	53	13·01	−0·18	.....	− 7	6	9·4	+1·5
3·5	CS	W	.....	22	56	57·04	+0·01	.....	− 6	43	11·1	+1·7
5·5	M	W	E	23	4	23·26	−0·02	.....	− 5	57		.....
6·5	RM	W	.....	23	8	5·98	+0·21	.....	− 5	33	47·0	+0·6
8·5	CS	W	.....	23	16		.....	.....	− 4	47	5·4	+0·8
10·5	RM	W	.....	23	22	51·89	+0·09	.....	− 4	0	9·7	+1·2
12·5	M	W	.....	23	30		.....	.....	− 3	13	5·4	−1·8
15·5	RM	W	.....	23	41	12·38	+0·05	.....	− 2	2	5·7	+0·9
23·5	M	W	.....	0	10	22·61	−0·37	.....	+ 1	8		.....
April 10·5	HS	W	.....	1	15	0·23	+0·11	.....	+ 8	2	16·6	−0·8
11·5	CS	W	.....	1	20		.....	.....	+ 8	24	22·4	+0·8
16·5	M	W	.....	1	38	7·44	+0·07	.....	+10	17	31·9	−0·6
17·5	HS	W	.....	1	41	49·89	+0·05	.....	+10	33	41·6	+1·0
18·5	M	W	.....	1	45	32·53	−0·19	.....	+10	54	39·8	+0·1
20·5	M	W	.....	1	52	59·75	+0·05	.....	+11	36		.....
21·5	M	W	.....	1	56	43·87	+0·04	.....	+11	56	31·7	+0·7
27·5	M	W	.....	2	19	17·96	+0·01	.....	+13	54	46·3	+0·5
May 4·5	HS	E	.....	2	46	0·38	+0·12	.....	+16	2	10·1	+0·4
5·5	CS	E	.....	2	49	51·40	+0·08	.....	+16	19	20·2	−0·2
7·5	RM	E	.....	2	57	35·21	+0·06	.....	+16	52	51·0	−1·6
8·5	M	E	.....	3	1	28·07	+0·15	.....	+17	9	13·5	−0·3
9·5	HS	E	.....	3	5	21·23	−0·04	.....	+17	25	16·4	−1·3
11·5	RM	E	.....	3	13	9·85	+0·10	.....	+17	56	34·2	+0·9
14·5	HS	E	.....	3	24	56·85	−0·07	.....	+18	41	11·3	−0·2
16·5	HS	E	.....	3	32	51·33	+0·00	.....	+19	9		.....
21·5	HS	E	.....	3	52	47·41	+0·10	.....	+20	14	10·1	+0·9
28·5	HS	E	.....	4	22	3·58	+0·21	.....	+21	30	11·0	+1·5
June 1·5	M	E	E	4	37	22·50	+0·01	.....	+22	5	28·8	+0·9
7·5	RM	E	W	5	2	2·74	+0·13	.....	+22	46	51·3	+1·3
12·5	RM	W	.....	5	22	44·38	−0·05	N	+23	10	21·2	−0·9
13·5	M	W	.....	5	26	53·48	−0·01	.....	+23	14		.....
15·5	M	W	.....	5	35		.....	.....	+23	19	36·2	−0·5

SUN—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	16·5	RM	W	.....	5	39	21·82	+0·22	.....	+23	21	53·4	+1·2
	18·5	HS	W	.....	5	47	40·95	+0·07	.....	+23	25	8·5	−0·5
	19·5	CS	W	.....	5	51	50·56	−0·03	.....	+23	26	9·9	−0·5
	20·5	M	W	.....	5	56	0·31	+0·02	.....	+23	26	47·1	+0·5
	26·5	RM	W	.....	6	20	57·27	+0·02	.....	+23	21	42·8	−0·6
	28·5	CS	W	.....	6	29	15·02	−0·12	.....	+23	16	45·2	+0·7
July	21·5	M	W	W	8	3	6·32	−0·11	.....	+20	26	22·1	+0·2
	24·5	RM	W	.....	8	15	2·16	+0·04	.....	+19	49	51·2	+0·6
	25·5	CS	W	.....	8	18	59·52	+0·03	.....	+19	37	0·8	+0·6
	26·5	M	W	.....	8	22	56·18	−0·07	.....	+19	23	49·6	−0·8
	30·5	CS	W	.....	8	38	37·13	+0·02	.....	+18	28	1·8	+0·2
	31·5	M	W	.....	8	42	30·71	−0·09	.....	+18	13	18·7	+0·2
Aug.	2·5	RM	W	.....	8	50		.....	.....	+17	42	59·7	+0·8
	9·5	HS	E	W	9	17	7·07	−0·02	.....	+15	48	0·2	−0·8
	10·5	CS	E	.....	9	20	54·96	+0·06	.....	+15	30	32·1	−0·0
	11·5	RM	E	.....	9	25		.....	.....	+15	12	47·0	−1·2
	13·5	M	E	.....	9	32	15·22	+0·11	.....	+14	36	37·6	+0·7
	14·5	RM	E	.....	9	36	0·77	+0·04	.....	+14	18	10·0	+0·1
	16·5	RM	E	.....	9	44		.....	.....	+13	40	33·2	−1·9
	17·5	M	E	W	9	47	14·58	+0·12	.....	+13	21	27·8	−0·2
	20·5	CS	E	.....	9	58	23·50	−0·03	.....	+12	22	50·7	−1·0
	22·5	CS	E	.....	10	5	47·19	+0·08	.....	+11	42	48·3	−0·4
	25·5	M	E	.....	10	16	49·17	+0·14	.....	+10	41	20·4	−1·5
	27·5	M	E	.....	10	24	8·36	+0·16	.....	+ 9	59	34·0	+0·7
	28·5	HS	E	.....	10	27	42·27	+0·08	.....	+ 9	38	24·2	−0·4
	30·5	RM	E	.....	10	35	4·11	+0·03	.....	+ 8	55	38·5	−1·6
	31·5	M	E	.....	10	37	41·99	−0·04	.....	+ 8	34		.....
Sept.	4·5	RM	E	.....	10	53	11·00	+0·04	.....	+ 7	6	24·0	−1·1
	5·5	M	E	.....	10	56	47·51	−0·07	.....	+ 6	44	11·1	−0·7
	6·5	HS	E	.....	11	0	24·05	+0·06	.....	+ 6	21	52·0	+0·2
	7·5	M	E	.....	11	4	0·22	+0·01	.....	+ 5	59		.....
	8·5	RM	E	.....	11	6	36·27	−0·01	.....	+ 5	36	51·6	−1·1
	17·5	M	W	W	11	39	56·02	+0·07	S	+ 2	10	20·8	−0·2
	18·5	RM	W	.....	11	43	31·39	+0·14	.....	+ 1	47	5·9	−0·5
	22·5	RM	W	.....	11	57	52·85	+0·17	.....	+ 0	13	50·1	+1·8
	24·5	CS	W	.....	12	5	3·83	−0·05	.....	− 0	32	55·0	+2·2
	28·5	CS	W	.....	12	19	28·11	−0·01	.....	− 2	6	27·1	+1·0
	29·5	HS	W	.....	12	23	4·75	+0·06	.....	− 2	29	49·0	−0·3
	30·5	CS	W	W	12	26	41·46	−0·04	.....	− 2	53		.....
Oct.	1·5	M	W	.....	12	30	18·61	−0·00	.....	− 3	16	26·1	−0·6
	3·5	HS	W	.....	12	37	33·69	−0·09	.....	− 4	2	54·2	−0·2
	4·5	CS	W	E	12	41	11·89	+0·02	.....	− 4	26	5·0	−0·8
	6·5	RM	W	.....	12	48	29·33	+0·17	.....	− 5	12		.....
	8·5	HS	W	.....	12	55	48·27	+0·14	.....	− 5	58	12·0	−0·8
	9·5	CS	W	.....	12	59		.....	S	− 6	21	2·2	+0·4

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
10·5	M	W	.....	13 3 9·03	+0·13	.....	− 6 43 48·7	+0·3
13·5	CS	W	E	13 14 13·62	−0·07	.....	− 7 51 34·9	−0·1
25·5	RM	W	.....	13 59 24·71	+0·17	.....	−12 11 2·8	−0·0
30·5	RM	W	.....	14 19	.....	.....	−13 51 48·1	+0·4
Nov. 2·5	M	W	.....	14 30 27·03	+0·03	.....	−14 49 40·0	+0·8
5·5	CS	W	.....	14 42	.....	N	−15 45 20·5	+3·7
7·5	HS	W	.....	14 50 17·51	+0·03	.....	−16 21 17·9	−1·9
9·5	CS	W	E	14 58 19·66	+0·01	S	−16 56 4·9	−2·4
10·5	M	W	.....	15 2 22·09	+0·06	.....	−17 13 0·1	−0·1
13·5	RM	W	E	15 14 34·30	+0·01	S	−18 2 3·8	+0·9
14·5	CS	W	.....	15 19	.....	.....	−18 17 50·2	−1·1
15·5	RM	W	W	15 22 46·85	+0·16	.....	−18 33	.....
27·5	RM	W	.....	16 13	.....	.....	−21 10 45·6	+2·3
Dec. 1·5	RM	W	.....	16 30 20·28	−0·04	.....	−21 51	.....
6·5	M	W	.....	16 52	.....	.....	−22 31 49·1	+2·8
10·5	RM	W	W	17 9 36·91	−0·10	.....	−22 56 38·8	+0·6
14·5	RM	W	.....	17 27 16·51	+0·07	.....	−23 14 10·6	+0·9
15·5	M	W	.....	17 31 42·22	+0·15	.....	−23 17 23·9	+1·3
19·5	RM	W	.....	17 49 26·68	+0·08	.....	−23 26	.....
24·5	CS	W	.....	18 12	.....	.....	−23 25 20·9	+0·5
1929								
Jan 2·5	HS	W	.....	18 52	.....	.....	−22 55 10·8	+5·9
4·5	RM	W	.....	19 0 19·57	+0·24	.....	−22 43 27·1	+4·2
5·5	HS	E	.....	19 4 43·03	−0·03	.....	−22 36 56·0	+1·8
7·5	M	E	E	19 13 29·14	−0·01	.....	−22 22 26·3	+4·2
8·5	RM	E	.....	19 18	.....	.....	−22 14 37·4	−0·5
9·5	HS	E	.....	19 22 13·41	+0·09	.....	−22 6 12·9	+4·2
12·5	HS	E	.....	19 35 15·49	+0·07	.....	−21 38 40·3	+2·6
16·5	HS	E	.....	19 52 29·51	+0·15	.....	−20 56 5·5	+0·6
19·5	HS	E	.....	20 5	.....	.....	−20 19 56·3	−0·1
22·5	RM	E	.....	20 18	.....	.....	−19 40 18·8	+1·6
24·5	M	E	.....	20 26 22·13	+0·04	.....	−19 12 25·9	+4·2
26·5	HS	E	.....	20 34 42·45	+0·01	.....	−18 42 26·9	+1·7
28·5	M	E	.....	20 43	.....	.....	−18 11 26·3	+2·8
Feb. 2·5	RM	E	.....	21 3 28·26	−0·09	.....	−16 48 24·2	−0·6
11·5	HS	W	.....	21 39 29·65	−0·02	.....	−14 0 46·6	+4·2
12·5	M	W	.....	21 43 25·98	+0·10	.....	−13 40 54·9	+3·8
16·5	RM	W	.....	21 59 3·21	+0·19	.....	−12 19	.....
18·5	HS	W	.....	22 6 47·21	+0·06	.....	−11 37 18·3	+1·1
22·5	M	W	W	22 21 6·95	−0·09	.....	−10 11 9·7	+1·1
23·5	RM	W	.....	22 25 55·17	−0·21	.....	− 9 49	.....
Mar. 6·5	M	W	.....	23 7 11·05	−0·07	.....	− 5 39 31·3	−0·2
8·5	HS	W	.....	23 15	.....	N	− 4 52 46·2	+4·8
9·5	M	W	.....	23 18	.....	.....	− 4 29 23·2	+1·9
18·5	RM	W	.....	23 51 16·85	−0·04	.....	− 0 56 39·8	+2·9
19·5	HS	W	.....	23 54 55·77	+0·12	.....	− 0 32 59·4	+0·5

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
22·5	HS	W	.....	0 5 51·15	+0·06	.....	+ 0 38 5·3	+0·9
26·5	HS	W	.....	0 20 23·77	+0·05	.....	+ 2 12 28·6	+0·7
April 2·5	RM	W	.....	0 45 51·39	−0·08	.....	+ 4 55 40·7	+1·7
3·5	HS	W	E	0 49 30·32	+0·20	.....	+ 5 18 42·5	+2·5
4·5	M	W	.....	0 53 9·00	+0·04	.....	+ 5 41 35·9	+0·5
9·5	RM	W	.....	1 11 26·21	+0·09	.....	+ 7 34 36·5	−1·6
10·5	HS	W	.....	1 15 6·36	+0·11	.....	+ 7 56 55·2	+2·0
11·5	M	W	.....	1 18 46·61	−0·07	.....	+ 8 19 1·8	+1·5
20·5	HS	W	.....	1 52 4·71	+0·07	.....	+11 31 6·2	+2·0
22·5	M	W	.....	1 59 32·88	+0·10	.....	+12 11 48·0	+0·6
24·5	HS	W	.....	2 3 2·66	−0·04	.....	+12 51 44·8	+1·9
29·5	M	W	E	2 24 56·02	−0·08	.....	+14 27 45·5	+1·1
30·5	RM	W	.....	2 27 44·43	+0·08	S	+14 46 15·1	−0·4
May 6·5	HS	W	.....	2 53	.....	S	+16 32 9·1	+2·7
10·5	M	E	.....	3 8 17·88	−0·00	.....	+17 37 16·4	−0·1
13·5	HS	E	.....	3 20 3·15	+0·05	.....	+18 23 4·3	+0·2
16·5	HS	E	.....	3 31 53·34	+0·02	.....	+19 6 4·5	+0·7
17·5	M	E	.....	3 35 51·12	−0·04	.....	+19 19 45·9	+0·7
20·5	HS	E	.....	3 47 48·00	+0·06	.....	+19 58 50·4	+0·4
22·5	RM	E	.....	3 56 48·50	+0·03	.....	+20 23 9·6	−1·6
23·5	HS	E	.....	4 0	.....	.....	+20 34 50·2	−0·5
25·5	RM	E	.....	4 7 53·19	+0·00	.....	+20 57 5·8	+0·0
27·5	HS	E	.....	4 16 58·89	+0·02	.....	+21 17 54·3	−0·3
28·5	M	E	.....	4 20	.....	.....	+21 27 44·6	−1·4
29·5	RM	E	.....	4 24	.....	.....	+21 37 15·2	−0·2
30·5	HS	E	.....	4 27 11·01	−0·04	.....	+21 46 21·7	−0·5
31·5	M	E	.....	4 32	.....	.....	+21 55 7·5	+1·0
June 1·5	RM	E	.....	4 36 21·41	−0·00	.....	+22 3 28·9	+0·2
4·5	HS	E	.....	4 49	.....	.....	+22 26 13·8	−0·1
10·5	RM	W	.....	5 13 26·72	+0·04	.....	+23 1 7·1	+0·6
11·5	RM	W	.....	5 18	.....	.....	+23 5 32·4	+1·7
12·5	M	W	.....	5 21 44·18	−0·02	.....	+23 9 31·8	+1·3
17·5	RM	W	.....	5 42 30·22	−0·23	.....	+23 23	.....
18·5	HS	W	.....	5 46 40·07	+0·08	.....	+23 24 53·1	+1·0
19·5	M	W	W	5 50 49·49	−0·01	S	+23 25 59·3	+0·3
21·5	HS	W	E	5 59 8·70	+0·08	.....	+23 26 58·5	−0·1
22·5	M	W	.....	6 3	.....	.....	+23 26 53·4	+2·2
24·5	RM	W	.....	6 11 37·00	−0·05	.....	+23 25 24·9	+2·7
26·5	M	W	.....	6 20	.....	.....	+23 22 14·5	+0·3
27·5	RM	W	W	6 24 4·53	+0·16	.....	+23 20 3·0	−0·3
29·5	RM	W	.....	6 32 22·58	+0·16	.....	+23 14 27·5	−0·5
July 2·5	CS	W	.....	6 44 47·63	+0·11	.....	+23 3	.....
3·5	RM	W	.....	6 48 55·40	−0·01	.....	+22 58 23·5	−0·8
5·5	RM	E	.....	6 57	.....	.....	+22 47 56·6	−1·1
9·5	RM	E	.....	7 14	.....	.....	+22 22 18·8	−0·7

SUN—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	10·5	RM	E	.....	7	18		.....	S	+22	14	56·3	−0·2
	11·5	M	E	.....	7	22		.....	.....	+22	7	12·4	+1·8
	12·5	RM	E	.....	7	25	50·96	+0·13	.....	+21	59	1·7	−0·2
	15·5	RM	E	.....	7	38	1·40	+0·03	.....	+21	32	20·8	+0·0
	16·5	RM	E	.....	7	42	3·93	+0·06	.....	+21	22	44·5	+1·5
	17·5	HS	E	.....	7	46	5·88	+0·06	.....	+21	12	42·1	−1·2
	19·5	RM	E	.....	7	54	8·18	+0·06	.....	+20	51	39·5	−0·2
	20·5	HS	E	.....	7	58	8·43	−0·01	.....	+20	40	35·7	−0·5
	22·5	M	E	.....	8	6		.....	.....	+20	17	28·6	+1·7
	23·5	RM	E	.....	8	10		.....	.....	+20	5	22·4	+0·8
	25·5	M	E	.....	8	18	1·66	+0·11	.....	+19	40	11·2	+0·4
	26·5	RM	E	.....	8	21	58·43	−0·02	.....	+19	27	6·1	+0·2
	31·5	HS	E	.....	8	41	34·21	+0·02	.....	+18	16	55·6	−0·5
Aug.	2·5	HS	E	.....	8	49	20·49	+0·10	.....	+17	46	44·6	+0·5
	7·5	RM	E	.....	9	8	35·48	+0·09	.....	+16	26	13·9	+0·2
	9·5	M	E	.....	9	16	13·19	+0·02	.....	+15	52	8·5	+0·3
	12·5	HS	E	.....	9	27	35·33	−0·04	.....	+14	59	6·6	+0·0
	16·5	M	E	.....	9	42	36·95	+0·01	.....	+13	45	7·2	+0·9
	17·5	RM	E	.....	9	46	21·02	+0·04	.....	+13	26		.....
	19·5	HS	E	.....	9	53	47·48	−0·02	.....	+12	47		.....
	20·5	M	E	.....	9	57	30·21	+0·18	.....	+12	27	37·8	+0·1
	21·5	RM	E	.....	10	1	12·12	+0·06	.....	+12	7	45·0	−0·3
	22·5	M	E	.....	10	4	53·71	+0·08	.....	+11	47	41·4	+0·0
	24·5	RM	E	.....	10	12	15·61	+0·11	.....	+11	6	59·1	−1·0
	26·5	HS	E	.....	10	19	35·81	+0·08	.....	+10	25	36·3	+0·0
	29·5	HS	E	.....	10	30	33·31	+0·03	.....	+ 9	22	14·2	−2·0
	30·5	M	E	.....	10	34	11·67	−0·10	.....	+ 9	0	50·5	−0·5
	31·5	RM	E	.....	10	37	49·81	−0·14	.....	+ 8	39	15·7	−1·2
Sept.	3·5	HS	E	.....	10	48	42·84	+0·07	.....	+ 7	33	43·0	−2·4
	4·5	M	W	.....	10	52	19·96	+0·15	.....	+ 7	11	38·6	−1·2
	5·5	RM	W	.....	10	55	56·67	+0·07	.....	+ 6	49	26·8	−0·2
	9·5	RM	W	.....	11	10	21·64	+0·07	.....	+ 5	19	32·5	−0·5
	11·5	RM	W	.....	11	17	33·06	+0·09	.....	+ 4	34	3·8	+0·9
	12·5	RM	W	.....	11	21	8·38	−0·06	.....	+ 4	11	10·5	−0·2
	16·5	RM	W	.....	11	35	29·58	+0·07	.....	+ 2	39		.....
	20·5	HS	W	.....	11	50		.....	N	+ 1	6	5·8	−0·1
	21·5	M	E	E	11	53	25·56	+0·10	.....	+ 0	42	46·9	+0·4
	23·5	RM	E	.....	12	1		.....	.....	− 0	3	54·8	+1·5
	24·5	HS	W	.....	12	4	12·03	+0·06	.....	− 0	27	18·8	+0·2
	30·5	RM	E	.....	12	25	49·83	−0·10	.....	− 2	47	37·9	−2·8
Oct.	1·5	HS	E	W	12	29	27·02	−0·11	.....	− 3	10	55·8	−1·4
	5·5	HS	W	E	12	43	59·11	+0·11	.....	− 4	43	46·8	+0·5
	7·5	RM	W	.....	12	51	17·07	+0·04	.....	− 5	29	56·6	−2·5
	8·5	M	W	.....	12	55		.....	.....	− 5	52	47·5	+3·8
	10·5	RM	W	.....	13	2	17·05	−0·05	.....	− 6	38	30·2	+0·9

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
11·5	M	W	.....	13 6	.....	S	− 7 1 16·5	−3·5
14·5	RM	W	E	13 18 3·61	−0·02	S	− 8 8 44·4	−1·9
15·5	M	E	.....	13 20 46·69	+0·17	.....	− 8 30 59·8	−0·8
18·5	HS	E	.....	13 31 58·62	−0·02	.....	− 9 37 2·7	+0·7
26·5	HS	E	.....	14 2 19·32	−0·01	.....	−12 26 42·4	−1·4
28·5	M	E	.....	14 10 1·54	−0·18	.....	−13 7 18·8	+0·6
Nov. 5·5	CS	E	.....	14 41 22·78	+0·03	.....	−15 41 10·6	−0·6
7·5	CS	W	.....	14 49 21·19	+0·09	.....	−16 17	.....
16·5	CS	W	E	15 25 54·94	+0·10	.....	−18 44 45·9	−0·2
22·5	HS	W	.....	15 50 55·06	+0·04	.....	−20 9	.....
25·5	HS	W	.....	16 3 36·09	−0·10	.....	−20 45 24·0	+4·4
28·5	CS	W	.....	16 16 24·37	+0·05	.....	−21 18 56·4	+2·5
29·5	HS	W	.....	16 20 41·79	−0·03	.....	−21 29 17·9	+3·2
Dec. 7·5	M	W	.....	16 55 24·84	+0·10	.....	−22 37	.....
11·5	RM	W	.....	17 12 58·81	+0·19	.....	−23 0 31·4	+4·5
16·5	RM	W	.....	17 35 3·97	+0·00	.....	−23 19 30·7	+3·7
20·5	RM	W	E	17 52 48·39	−0·05	.....	−23 26 23·1	+0·3
30·5	M	W	.....	18 37 12·13	−0·04	.....	−23 10 29·4	−0·5
1930								
Jan. 4·5	RM	E	.....	18 59 17·01	+0·10	.....	−22 44 59·2	+3·5
10·5	CS	E	.....	19 25 32·51	+0·10	.....	−21 59 38·5	.....
11·5	RM	E	.....	19 29 53·34	+0·26	.....	−21 50 31·4	+3·3
13·5	CS	E	.....	19 38 32·61	+0·04	.....	−21 31 9·2	−1·1
16·5	RM	E	.....	19 51	.....	.....	−20 58 48·1	+4·4
22·5	CS	E	.....	20 16 57·12	−0·01	.....	−19 43 39·6	+2·3
23·5	RM	E	.....	20 21 9·63	+0·05	.....	−19 29 50·4	+0·6
25·5	RM	E	.....	20 29 32·28	+0·09	.....	−19 1	.....
27·5	CS	E	.....	20 37 51·61	+0·01	.....	−18 30 53·3	+0·7
29·5	CS	E	.....	20 46 7·82	−0·01	.....	−17 59 20·9	+2·2
30·5	RM	E	.....	20 50 14·67	−0·03	.....	−17 43 6·1	+2·3
Feb. 5·5	M	E	.....	21 14 38·61	+0·09	.....	−15 59 15·7	+1·5
6·5	HS	E	.....	21 19	.....	.....	−15 40 43·6	+5·2
8·5	HS	E	.....	21 26 39·15	−0·05	.....	−15 3 34·3	+0·3
10·5	M	E	.....	21 35	.....	.....	−14 25 8·6	+1·3
11·5	HS	W	.....	21 39	.....	.....	−14 5 32·8	+3·3
14·5	M	W	E	21 50 19·53	+0·66	.....	−13 5 29·4	+2·9
17·5	M	W	.....	22 1 58·66	+0·06	.....	−12 3 30·7	+3·5
19·5	M	W	.....	22 9 41·70	+0·09	.....	−11 21 17·8	−0·8
24·5	M	W	.....	22 28 47·91	+0·05	.....	− 9 32 31·9	+0·9
27·5	HS	W	.....	22 40 8·37	−0·02	.....	− 8 25 30·2	+0·4
28·5	M	W	.....	22 43 54·08	−0·06	.....	− 8 2 53·6	+0·8
Mar. 3·5	RM	W	.....	22 55 8·27	+0·08	.....	− 6 54 22·6	+2·6
4·5	CS	W	E	22 58 52·02	+0·15	.....	− 6 31 20·2	+3·2
5·5	RM	W	E	23 2 35·18	+0·08	.....	− 6 8 15·0	+1·2

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre h m s	Corr. to A.E. s	Limb	App. Decl. of centre ° ′ ″	Corr. to A.E. ″
6·5	CS	W	.....	23 6 17·87	+0·01	.....	− 5 45 3·2	+1·0
7·5	RM	W	.....	23 10 0·31	+0·12	.....	− 5 21 47·7	−0·2
10·5	RM	W	.....	23 21 4·83	+0·10	.....	− 4 11 34·4	+0·0
14·5	RM	W	.....	23 35 46·17	+0·25	.....	− 2 37 15·3	+1·2
15·5	HS	W	.....	23 39 25·48	−0·04	.....	− 2 13 35·5	+1·7
20·5	CS	W	.....	23 57 40·56	+0·14	.....	− 0 15 7·6	+0·8
21·5	RM	W	.....	0 1 19·02	+0·08	.....	+ 0 8 35·1	+1·8
22·5	CS	W	.....	0 4 57·31	−0·06	S	+ 0 32 15·8	+1·2
April 2·5	HS	W	.....	0 44 58·92	+0·04	.....	+ 4 50 8·0	+0·4
4·5	HS	E	.....	0 52 16·27	−0·06	.....	+ 5 36 8·3	+1·0
9·5	HS	E	.....	1 10 32·83	+0·06	.....	+ 7 29 15·3	+0·1
11·5	HS	E	.....	1 17 52·98	+0·09	.....	+ 8 13 39·1	+0·2
12·5	M	E	.....	1 22	.....	.....	+ 8 35 40·4	+1·9
14·5	HS	E	.....	1 28 55·17	−0·01	.....	+ 9 19 10·9	−0·7
16·5	HS	E	.....	1 36 18·36	−0·02	.....	+10 2 7·0	−0·7
22·5	M	E	.....	1 58 37·53	+0·01	.....	+12 6 50·0	+0·3
23·5	HS	E	.....	2 2 22·28	+0·04	.....	+12 26 58·0	+0·7
28·5	HS	E	.....	2 21 13·24	+0·02	.....	+14 4 27·2	+1·1
29·5	M	E	.....	2 25	.....	.....	+14 23 15·4	−0·2
30·5	HS	E	.....	2 28 49·18	+0·01	.....	+14 41 50·5	−0·3
May 1·5	RM	E	.....	2 32 38·09	+0·17	.....	+15 0 14·6	+3·1
2·5	CS	E	E	2 36 27·30	+0·10	.....	+15 18 17·8	+0·6
5·5	CS	E	.....	2 47 58·32	+0·11	.....	+16 11 0·8	−0·9
6·5	RM	W	.....	2 51 49·92	+0·29	.....	+16 28	.....
8·5	RM	W	.....	2 59 34·25	+0·14	.....	+17 2 19·7	−0·6
9·5	CS	W	.....	3 3 27·31	+0·13	.....	+17 17 33·2	+0·5
10·5	RM	W	.....	3 7 20·71	−0·11	.....	+17 33 26·8	−1·0
12·5	CS	W	.....	3 15 9·84	+0·04	.....	+18 4 24·8	+0·1
13·5	RM	W	.....	3 19 5·24	+0·09	.....	+18 19 25·0	−1·1
17·5	RM	W	.....	3 34 52·40	+0·06	S	+19 16 26·0	+1·2
22·5	RM	W	.....	3 54 49·36	+0·08	.....	+20 20	.....
23·5	M	W	.....	3 58 50·40	+0·05	.....	+20 32	.....
26·5	CS	W	.....	4 11	.....	.....	+21 5 11·1	+0·2
31·5	RM	W	.....	4 31 17·07	−0·05	.....	+21 53 4·8	−0·7
June 2·4	M	W	.....	4 39 28·23	+0·04	.....	+22 9 36·8	+0·3
4·5	CS	W	.....	4 47 40·76	−0·02	.....	+22 24 34·2	−0·3
5·5	M	E	.....	4 51 47·54	−0·03	.....	+22 31 29·9	+1·6
7·5	M	E	W	5 0 2·16	+0·04	.....	+22 44 3·2	−1·4
11·5	CS	E	.....	5 16 34·42	−0·03	.....	+23 4 29·9	.....
12·5	M	E	.....	5 20 43·11	−0·01	.....	+23 9	.....
13·5	CS	E	.....	5 24 52·01	+0·03	.....	+23 12 15·4	−0·5
14·5	CS	E	.....	5 29 1·03	+0·01	.....	+23 15 32·6	+0·0
19·5	M	E	.....	5 49 48·22	+0·05	.....	+23 26	.....
23·5	HS	E	.....	6 6 26·07	−0·82	.....	+23 26 31·5	−0·2
28·5	CS	E	.....	6 27 13·95	+0·04	.....	+23 18 9·9	−0·3

SUN—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	30·5	HS	E	.....	6	35	31·63	+0·08	.....	+23	11	56·3	−0·8
July	2·5	CS	E	E	6	43	48·17	−0·04	.....	+23	4	5·9	−0·5
	3·5	RM	E	.....	6	47	56·15	+0·04	.....	+22	59	34·3	−0·4
	4·5	HS	E	.....	6	52		.....	.....	+22	54	38·9	−0·0
	5·5	HS	E	.....	6	56	10·95	+0·00	.....	+22	49	18·2	−0·9
	7·5	RM	E	.....	7	4		.....	.....	+22	37	27·2	−1·5
	8·5	CS	W	.....	7	8		.....	.....	+22	30	58·1	+0·1
	10·5	RM	W	.....	7	16	41·77	+0·11	.....	+22	16	47·1	+0·1
	11·5	CS	W	.....	7	20	46·71	+0·12	.....	+22	9	7·9	+1·0
	15·5	CS	W	.....	7	37	1·98	+0·17	.....	+21	34	40·7	+0·4
	16·5	HS	W	.....	7	41	4·61	+0·17	.....	+21	25	9·7	+1·7
	17·5	RM	W	.....	7	49	6·66	+0·11	.....	+21	15	13·6	−0·3
	19·5	HS	W	.....	7	53		.....	.....	+20	54	21·9	+1·3
	23·5	HS	W	.....	8	9	8·39	+0·03	.....	+20	8	21·3	+0·1
	29·5	CS	W	.....	8	33		.....	.....	+18	49	19·9	−0·1
	31·5	CS	W	E	8	40	38·45	−0·11	N	+18	20	28·8	+0·8
Aug.	1·5	CS	W	.....	8	44	32·18	+0·12	.....	+18	5	35·9	+0·9
	2·5	HS	E	.....	8	48	25·07	+0·15	.....	+17	50	25·0	+0·7
	5·5	M	E	E	8	59	59·85	+0·07	.....	+17	3	9·0	−0·4
	6·5	M	E	.....	9	3	50·16	−0·01	.....	+16	46	51·2	+0·2
	8·5	RM	E	.....	9	11	29·22	+0·10	.....	+16	13	24·9	−1·0
	9·5	M	E	W	9	15	17·87	+0·14	N	+15	56	21·3	+1·4
	12·5	RM	E	.....	9	26	40·09	+0·03	.....	+15	3	31·9	+0·9
	13·5	M	E	.....	9	30	26·39	−0·00	.....	+14	45	25·7	+0·3
	15·5	RM	E	.....	9	37	57·36	−0·09	.....	+14	8	30·2	−1·8
	16·5	M	E	W	9	41	42·29	+0·11	.....	+13	49	44·3	−0·5
	21·5	CS	E	.....	10	0	18·65	+0·11	.....	+12	13		.....
	22·5	RM	E	E	10	4	0·56	+0·16	.....	+11	52		.....
	25·5	CS	E	.....	10	15	3·45	+0·12	.....	+10	51	20·0	+0·2
	26·5	RM	E	.....	10	18	43·50	+0·06	.....	+10	30	33·8	−0·8
	29·5	RM	W	.....	10	29	41·43	+0·05	.....	+ 9	27	19·9	+0·2
	30·5	M	W	.....	10	33	19·94	+0·01	.....	+ 9	5	55·2	−1·3
Sept.	2·5	HS	W	.....	10	44		.....	.....	+ 8	0	55·5	−0·9
	3·5	RM	W	.....	10	47	50·82	+0·03	.....	+ 7	39	0·6	−0·1
	4·5	M	W	.....	10	51	27·77	+0·02	.....	+ 7	16	55·9	−1·6
	5·5	HS	W	.....	10	55	4·53	+0·06	.....	+ 6	54	47·9	+0·3
	6·5	RM	W	.....	10	58	41·21	+0·28	.....	+ 6	32	32·1	+0·2
	8·5	M	W	.....	11	6		.....	S	+ 5	47	39·4	+1·0
	19·5	HS	W	.....	11	45	23·09	+0·10	.....	+ 1	35	0·0	−1·5
	22·5	M	W	.....	11	56	9·24	−0·02	.....	+ 0	25	0·7	−0·5
	23·5	HS	W	.....	11	59	44·94	+0·08	.....	+ 0	1	37·7	−0·7
	24·5	RM	W	.....	12	3	20·67	+0·10	.....	− 0	22		.....
Oct.	1·5	RM	W	.....	12	28	35·39	+0·15	.....	− 3	5	23·0	−0·9
	3·5	RM	W	.....	12	35	50·31	+0·19	.....	− 3	51	53·8	−0·5
	4·5	CS	W	.....	12	39	28·62	+0·11	.....	− 4	15	4·7	+0·3

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
				h	m	s	s		°	′	″	″
6·5	RM	W	.....	12	46	44·99	+0·14	.....	− 5	1	18·7	−0·2
7·5	CS	E	.....	12	50	23·88	+0·07	.....	− 5	24	19·7	+0·1
10·5	RM	E	.....	13	1	23·22	−0·04	.....	− 6	32	57·6	+0·1
13·5	RM	E	.....	13	12	27·01	+0·06	.....	− 7	40	48·0	+1·1
14·5	CS	E	.....	13	16	9·41	+0·18	.....	− 8	3	14·3	−0·1
15·5	RM	E	.....	13	19	52·20	+0·15	.....	− 8	25	33·8	−0·9
22·5	RM	E	.....	13	46	8·86	+0·02	.....	−10	58	4·2	+1·8
23·5	CS	E	.....	13	49	56·75	+0·07	.....	−11	19	17·0	+0·6
24·5	RM	E	.....	13	53	45·37	+0·18	.....	−11	40	18·3	+0·6
25·5	M	E	.....	13	58		.....	.....	−12	1	10·4	−0·9
30·5	CS	E	.....	14	16	51·29	+0·03	.....	−13	42	27·9	−0·5
31·5	RM	E	W	14	20	44·90	+0·04	.....	−14	2	7·3	−2·1
Nov. 3·5	CS	E	E	14	32	30·34	−0·04	.....	−14	59	37·9	−2·4
4·5	M	E	.....	14	36	27·26	+0·10	.....	−15	18	18·3	−1·2
11·5	M	E	.....	15	4	28·09	+0·17	.....	−17	21	39·8	+2·8
21·5	HS	E	.....	15	45	42·38	+0·17	.....	−19	52	16·1	−0·8
24·5	CS	E	.....	15	58	20·90	+0·25	.....	−20	30	33·6	+4·8
27·5	M	E	.....	16	11	6·11	+0·18	.....	−21	5	34·1	+1·4
Dec. 2·5	RM	W	.....	16	33		.....	.....	−21	55	47·5	+2·2
4·5	RM	W	.....	16	41	15·79	+0·22	.....	−22	12	57·5	+2·7
10·5	M	W	.....	17	7	29·57	+0·17	.....	−22	54	2·4	+2·8
16·5	RM	W	.....	17	33	58·96	+0·02	.....	−23	18	55·9	+0·7
17·5	M	W	.....	17	38	24·96	+0·03	.....	−23	21	26·3	+1·7
22·5	M	W	.....	18	0	37·26	+0·01	.....	−23	27	0·4	+1·4
1931												
Jan. 7·5	M	W	.....	19	11	22·57	+0·17	.....	−22	26	8·7	+2·8
8·5	HS	W	.....	19	15	44·99	+0·14	.....	−22	18	28·0	+2·8
14·5	M	W	.....	19	41	48·37	+0·02	.....	−21	23	20·2	+2·8
15·5	HS	W	.....	19	46		.....	.....	−21	12	36·9	+6·3
20·5	HS	W	.....	20	7	29·14	+0·07	.....	−20	13	20·3	+3·5
22·5	HS	W	.....	20	16		.....	.....	−19	46	52·4	+5·6
23·5	M	W	.....	20	20		.....	.....	−19	33	10·0	+1·8
24·5	HS	E	.....	20	24		.....	.....	−19	18	58·5	+5·5
31·5	HS	E	E	20	53	21·69	+0·07	.....	−17	30	32·9	+2·3
Feb. 2·5	RM	E	.....	21	1	31·49	+0·13	.....	−16	56	39·4	+3·5
3·5	CS	E	.....	21	5	35·17	+0·20	.....	−16	39	21·5	−1·7
4·5	RM	E	.....	21	9	37·93	+0·15	.....	−16	21	37·7	+1·8
6·5	RM	E	.....	21	18		.....	.....	−15	45	23·7	+4·5
7·5	CS	E	.....	21	21	41·54	+0·15	.....	−15	26	53·4	+4·7
10·5	CS	E	.....	21	33	38·15	+0·21	.....	−14	29	50·7	+3·5
11·5	RM	E	.....	21	37	35·50	+0·25	.....	−14	10	21·2	+2·0
21·5	CS	E	.....	22	16	28·12	+0·23	.....	−10	43	21·4	+1·5
23·5	HS	E	.....	22	24	5·27	+0·17	.....	− 9	59	43·7	+2·8
25·5	CS	E	.....	22	31	41·77	+0·02	.....	− 9	15	33·7	+0·4
27·5	HS	E	.....	22	39	14·99	+0·01	.....	− 8	30	48·3	+0·9

SUN—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	28·5	CS	E	.....	22	43	0·82	+0·09	.....	− 8	8	13·2	+2·0
Mar.	2·5	M	E	.....	22	50	30·60	+0·01	.....	− 7	23		.....
	3·5	M	E	.....	22	54	14·89	+0·13	.....	− 6	59	53·0	+0·5
	5·5	M	E	.....	23	1	41·60	−0·05	.....	− 6	13	46·7	+2·6
	7·5	M	W	.....	23	9	6·78	+0·00	.....	− 5	27	23·8	+0·5
	13·5	HS	W	.....	23	31	13·60	+0·10	.....	− 3	6	32·4	+1·5
	14·5	M	W	.....	23	35		.....	.....	− 2	42	56·2	−0·6
	19·5	M	W	.....	23	53		.....	.....	− 0	44	24·6	+0·4
	20·5	HS	W	.....	23	56	49·08	−0·16	.....	− 0	20	41·6	−0·7
	21·5	RM	W	.....	0	0	28·02	+0·12	.....	+ 0	3	2·4	+0·5
	23·5	HS	W	.....	0	7	45·01	+0·16	.....	+ 0	50	25·3	+0·5
April	4·5	RM	W	.....	0	51	24·32	+0·00	.....	+ 5	30	39·8	−0·2
	7·5	RM	W	W	1	2	21·63	+0·29	.....	+ 6	38	56·8	+0·1
	8·5	M	W	.....	1	6	0·75	+0·01	.....	+ 7	1	29·6	+0·2
	9·5	RM	W	.....	1	9	40·53	+0·10	.....	+ 7	23	53·9	−1·1
	14·5	RM	E	.....	1	28	3·21	+0·15	.....	+ 9	14	5·3	−0·3
	15·5	CS	E	.....	1	31	44·66	+0·12	.....	+ 9	36		.....
	16·5	RM	E	.....	1	35	26·54	+0·16	.....	+ 9	57	8·6	−0·2
	17·5	CS	E	.....	1	39	8·67	+0·07	.....	+10	18	26·2	+0·5
	18·5	RM	E	.....	1	42	51·26	+0·06	.....	+10	39	32·7	+0·4
	20·5	CS	E	.....	1	50	17·57	+0·03	.....	+11	21	14·0	+0·2
	21·5	RM	E	.....	1	54	1·51	+0·17	.....	+11	41	49·1	+1·4
	22·5	CS	E	.....	1	57	45·58	+0·03	.....	+12	2	11·2	+0·9
	24·5	CS	E	.....	2	5	15·42	+0·15	.....	+12	42	19·6	+1·0
May	1·5	M	E	.....	2	31	44·08	+0·04	.....	+14	56		.....
	2·5	HS	E	.....	2	35	33·08	+0·05	.....	+15	14		.....
	4·5	M	E	.....	2	43	12·73	+0·06	.....	+15	49	34·4	+0·8
	5·5	HS	E	.....	2	47	3·47	+0·14	.....	+16	6	54·6	−1·3
	6·5	M	W	.....	2	50	54·51	−0·04	.....	+16	24	3·2	+0·8
	9·5	HS	W	.....	3	2	31·89	+0·14	.....	+17	13	44·6	+1·4
	12·5	HS	W	.....	3	14	14·32	+0·06	.....	+18	0	50·1	+0·3
	14·5	HS	W	.....	3	22	5·64	+0·08	.....	+18	30	45·3	+0·9
	15·5	M	W	.....	3	26	2·09	+0·01	.....	+18	45	13·9	+0·0
	18·5	M	W	.....	3	37	55·07	−0·04	.....	+19	26	48·3	+1·0
	19·5	HS	W	.....	3	41	54·05	+0·13	.....	+19	40	0·2	+1·2
	20·5	M	W	.....	3	45	53·30	+0·04	.....	+19	52	52·0	+1·1
	21·5	HS	W	.....	3	49	53·29	+0·14	.....	+20	5	23·8	+1·5
	26·5	HS	W	.....	4	10	0·36	+0·14	.....	+21	2	44·5	+0·1
	27·5	M	W	.....	4	14	3·13	+0·03	.....	+21	13	9·4	+1·1
	28·5	HS	W	.....	4	18	6·55	+0·11	.....	+21	23	10·3	+0·1
	29·5	M	W	.....	4	22	10·15	−0·08	.....	+21	32	48·6	−1·3
	30·5	HS	W	.....	4	26	14·55	+0·09	.....	+21	42	10·0	+2·8
June	1·5	RM	W	.....	4	34	24·27	+0·04	.....	+21	59	34·8	+0·7
	2·5	M	W	.....	4	38	29·90	+0·15	.....	+22	7	43·2	+0·1
	11·5	M	E	.....	5	15	35·63	+0·11	.....	+23	3	28·8	−0·0

SUN—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	12·5	RM	E	.....	5	19	44·38	+0·08	.....	+23	7	42·8	+2·4
	13·5	M	E	.....	5	23	53·31	+0·05	.....	+23	11	29·1	+1·5
	15·5	RM	E	.....	5	32	11·60	−0·14	.....	+23	17	49·4	+1·1
	16·5	M	E	.....	5	36	21·36	+0·16	.....	+23	20		.....
	17·5	RM	E	.....	5	40	30·69	−0·06	.....	+23	22	31·2	+0·9
	19·5	RM	E	.....	5	48	50·07	+0·02	.....	+23	25	33·1	+0·0
	23·5	M	W	.....	6	5	28·63	−0·01	.....	+23	26	40·4	+0·0
	24·5	RM	W	.....	6	9	38·08	−0·07	.....	+23	25	55·8	+0·6
	27·5	M	W	.....	6	22	5·96	+0·00	.....	+23	21	11·2	−0·2
	29·5	M	W	.....	6	30	23·85	+0·14	.....	+23	15	59·4	+0·2
	30·5	CS	W	.....	6	35		.....	.....	+23	12	46·1	−0·1
July	2·5	M	W	.....	6	42	48·87	+0·09	.....	+23	5	9·2	+1·5
	4·5	RM	W	.....	6	51	4·19	−0·05	.....	+22	55	52·5	+0·1
	6·5	RM	W	.....	6	59	18·60	+0·06	.....	+22	44	59·9	−1·3
	16·5	RM	E	.....	7	40	7·55	+0·19	.....	+21	27		.....
	17·5	RM	W	.....	7	44	9·86	+0·17	.....	+21	18		.....
	21·5	M	W	.....	8	0	13·49	−0·13	.....	+20	34	46·1	+2·1
	22·5	M	W	.....	8	4	13·11	−0·06	.....	+20	23	8·6	+0·1
	24·5	M	W	.....	8	12	10·58	+0·10	.....	+19	58	57·0	+0·5
	25·5	M	W	.....	8	16	8·22	−0·02	.....	+19	46	21·1	+0·6
	29·5	HS	W	.....	8	31	53·39	+0·14	.....	+18	53		.....
	31·5	HS	E	.....	8	39	42·16	+0·04	.....	+18	24		.....
Aug.	4·5	RM	E	.....	8	55	12·81	+0·10	.....	+17	23	3·8	+1·1
	5·5	RM	E	.....	8	59	3·94	+0·06	.....	+17	7		.....
	8·5	HS	W	.....	9	10	34·03	+0·14	.....	+16	17	32·2	−0·4
	14·5	RM	W	.....	9	33	18·62	+0·06	.....	+14	31	28·9	−0·2
	17·5	M	W	W	9	44	33·61	+0·19	.....	+13	35	15·6	+0·3
	20·5	M	W	.....	9	55	43·52	+0·05	.....	+12	37	6·2	+0·4
	21·5	RM	W	.....	9	59	25·87	+0·06	.....	+12	17	19·0	+0·4
	22·5	CS	W	.....	10	3	7·69	+0·04	.....	+11	57	21·7	+2·0
	26·5	M	W	.....	10	17	50·63	+0·17	.....	+10	35	35·2	+0·1
	29·5	M	W	.....	10	29		.....	.....	+ 9	32	30·7	+0·4
Sept.	8·5	CS	W	.....	11	5	1·00	+0·06	.....	+ 5	53	7·9	+1·2
	9·5	M	W	.....	11	8	36·95	−0·04	.....	+ 5	30	31·5	−0·5
	10·5	RM	W	.....	11	12	12·84	−0·05	.....	+ 5	7	51·4	−0·2
	11·5	CS	W	.....	11	15	48·72	+0·08	.....	+ 4	45	6·4	+0·4
	12·5	M	W	.....	11	19	24·32	+0·04	.....	+ 4	22	15·4	+0·1
	14·5	RM	W	E	11	26	35·29	+0·04	.....	+ 3	36	21·4	+0·6
	15·5	CS	W	E	11	30	10·56	−0·05	.....	+ 3	13	17·3	−0·3
	16·5	M	E	.....	11	33	46·01	+0·13	.....	+ 2	50	11·6	+0·6
	19·5	M	E	.....	11	44	31·92	+0·33	.....	+ 1	40	34·6	+0·8
	25·4	CS	E	E	12	6	3·94	−0·10	.....	− 0	40		.....
	28·5	RM	E	E	12	16	52·04	+0·02	.....	− 1	49	37·0	+0·0
	29·5	CS	E	.....	12	20	28·61	+0·18	.....	− 2	12	58·7	−0·0
	30·5	M	E	E	12	24	5·13	+0·05	.....	− 2	36	20·6	−1·5

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
Oct. 1·5	RM	E	.....	12 27 42·03	+0·04	.....	− 2 59 39·7	−1·6
2·5	M	E	.....	12 31 19·18	−0·03	.....	− 3 22 53·4	+2·1
6·5	HS	W	.....	12 45 51·54	+0·12	.....	− 4 56	.....
8·5	HS	W	.....	12 53 59·91	+0·09	.....	− 5 41 42·3	+0·1
9·5	M	W	.....	12 56 49·76	+0·09	.....	− 6 4 38·4	−0·9
13·5	HS	W	.....	13 11 33·69	+0·01	.....	− 7 35 27·5	−1·0
19·5	M	W	.....	13 33 55·25	+0·04	.....	− 9 48 22·3	−0·3
21·5	M	W	.....	13 41	.....	.....	−10 31 34·6	+0·5
23·5	M	W	.....	13 49 1·54	+0·13	.....	−11 14 11·4	−0·7
26·5	M	W	.....	14 0 28·10	−0·01	.....	−12 16 47·7	−1·0
27·5	HS	W	.....	14 4 18·59	+0·14	.....	−12 37 16·7	−0·0
Nov. 7·5	CS	E	.....	14 47	.....	.....	−16 8 29·4	+0·3
9·5	RM	E	.....	14 55	.....	.....	−16 43 37·9	+2·5
17·5	CS	E	.....	15 28	.....	.....	−18 52 30·7	−1·5
19·5	M	E	.....	15 36 20·44	+0·06	.....	−19 21	.....
24·5	CS	E	.....	15 57 18·74	+0·04	.....	−20 27 38·8	−0·8
28·5	CS	E	.....	16 14	.....	.....	−21 13 49·1	−0·4
Dec. 2·5	M	E	.....	16 32	.....	.....	−21 53 34·4	+1·8
5·5	HS	E	E	16 44 32·94	+0·24	.....	−22 19 1·9	+1·7
15·5	HS	E	.....	17 29	.....	.....	−23 15 7·0	+3·8
19·5	HS	E	.....	17 49 13·38	+0·09	.....	−23 24 46·4	−0·9
28·5	HS	W	.....	18 26	.....	.....	−23 18 49·6	+0·7
29·5	HS	W	.....	18 30 36·84	+0·04	.....	−23 15 51·3	−1·3
30·5	HS	W	E	18 35 2·70	+0·07	.....	−23 12 22·7	−1·1
31·5	M	W	.....	18 39 28·30	+0·05	.....	−23 8 20·3	+5·1
1932								
Jan. 11·5	CS	W	.....	19 28 46·68	+0·02	.....	−21 54 59·4	+4·7
14·5	RM	W	.....	19 40 46·52	+0·17	.....	−21 25 53·5	−1·3
16·5	RM	W	.....	19 49 23·00	+0·14	.....	−21 4 17·5	+2·5
19·5	RM	W	E	20 2 12·31	−0·04	.....	−20 29 0·2	+1·6
22·5	CS	W	.....	20 14 55·24	+0·09	.....	−19 50 15·8	−0·6
25·5	CS	W	W	20 27 31·11	+0·11	.....	−19 8 11·4	−1·5
28·5	RM	W	.....	20 40	.....	.....	−18 22 55·5	−0·5
Feb. 1·5	HS	W	.....	20 56 27·11	+0·07	.....	−17 17 56·3	+1·0
4·5	M	E	.....	21 8 39·07	+0·05	.....	−16 25 56·9	+2·3
5·5	HS	E	.....	21 12 41·49	+0·09	.....	−16 8 3·5	+1·4
6·5	M	E	.....	21 16 42·97	+0·02	.....	−15 49 53·5	+0·5
9·5	M	E	.....	21 28 42·87	+0·10	.....	−14 53 42·0	+3·2
12·5	HS	E	.....	21 40 38·46	+0·10	.....	−13 55 24·2	−2·6
16·5	M	E	.....	21 56 14·67	+0·11	.....	−12 34 19·0	+1·7
18·5	M	E	.....	22 4	.....	.....	−11 52 34·9	+1·8
20·5	M	E	.....	22 11 42·13	+0·19	.....	−11 10 4·7	+3·2
23·5	M	E	.....	22 23	.....	.....	−10 5 6·9	+1·4
24·5	HS	E	W	22 26 58·56	+0·04	.....	− 9 43 8·0	+1·4
March 3·5	CS	W	.....	22 57 4·44	+0·24	.....	− 6 42 28·3	+2·0
5·5	CS	W	.....	23 5	.....	.....	− 5 56 14·6	+0·8

SUN—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	11·5	RM	W	.....	23	26	40·75	+0·11	.....	− 3	35	44·8	+1·3
	12·5	CS	W	E	23	30	20·78	−0·28	.....	− 3	12		.....
	15·5	M	W	.....	23	41	20·59	+0·01	.....	− 2	1	11·2	+0·8
	16·5	RM	W	.....	23	45	0·22	+0·31	.....	− 1	37	27·1	+3·1
	17·5	M	W	.....	23	48	38·98	−0·03	.....	− 1	13	47·6	+0·2
	18·5	RM	W	.....	23	52	18·04	+0·14	.....	− 0	50	4·3	+1·0
	21·5	RM	W	.....	0	3	13·66	+0·07	.....	+ 0	21	1·8	+1·9
	23·5	M	W	.....	0	10	30·30	+0·18	.....	+ 1	8	19·8	+1·6
	24·5	M	W	.....	0	14	8·42	+0·13	.....	+ 1	31	55·3	+0·5
	29·5	M	W	.....	0	32	19·13	+0·07	.....	+ 3	29	20·3	+0·9
April	1·5	M	W	.....	0	43	14·17	−0·03	.....	+ 4	39	5·5	+2·3
	2·5	HS	W	.....	0	46	52·93	+0·10	.....	+ 5	2	9·6	+1·1
	4·5	M	W	.....	0	54	10·50	+0·01	.....	+ 5	48	5·4	+2·6
	5·5	HS	W	.....	0	57	49·65	+0·07	.....	+ 6	10	51·8	+0·7
	9·5	HS	W	.....	1	12	28·08	+0·12	.....	+ 7	40	56·9	+0·4
	14·5	CS	W	.....	1	30	51·77	+0·04	.....	+ 9	30	35·2	+0·7
	15·5	M	W	.....	1	34	33·36	−0·02	.....	+ 9	52	4·9	+2·1
	19·5	HS	W	.....	1	49	23·59	−0·01	.....	+11	16	13·2	−0·3
	20·5	M	W	.....	1	53	7·03	−0·10	.....	+11	36	50·0	+0·8
	21·5	HS	W	.....	1	56	51·15	+0·07	.....	+11	57	13·4	+0·0
	22·5	M	W	.....	2	0	35·36	−0·12	.....	+12	17	26·9	+1·1
	29·5	M	W	.....	2	26	59·91	−0·07	.....	+14	33	0·4	+0·8
May	3·5	HS	E	.....	2	42	17·05	−0·07	.....	+15	45	20·9	+0·5
	5·5	M	E	.....	2	49	58·99	−0·03	.....	+16	19	59·7	+1·2
	9·5	M	E	.....	3	6		.....	.....	+17	25	58·0	+1·3
	12·5	M	E	.....	3	17	13·39	−0·07	.....	+18	12	23·0	+0·8
	13·5	HS	E	.....	3	21	9·29	+0·11	.....	+18	27	15·8	+1·6
	14·5	RM	E	.....	3	25	5·43	−0·04	.....	+18	41	48·7	+1·1
	16·5	M	E	.....	3	32	59·70	−0·01	.....	+19	9	57·3	+0·3
	17·5	HS	E	.....	3	36	57·60	−0·04	.....	+19	23	33·5	+0·9
	18·5	RM	E	.....	3	40	56·06	−0·05	.....	+19	36	50·8	+2·2
	19·5	M	E	.....	3	44	55·07	−0·08	.....	+19	49	44·5	+0·1
	21·5	RM	E	.....	3	52	54·80	−0·04	.....	+20	14	37·9	+2·5
	23·5	M	E	.....	4	0	56·62	−0·08	.....	+20	38	4·6	+1·0
	30·5	M	E	.....	4	29	19·40	−0·02	.....	+21	48	55·6	+1·4
	31·5	HS	E	.....	4	33	24·49	−0·08	.....	+21	57	32·3	+0·0
June	1·5	RM	E	.....	4	37	30·11	−0·03	.....	+22	5	49·4	+1·9
	2·5	M	E	.....	4	41	36·10	−0·02	.....	+22	13	39·9	+0·2
	6·5	M	E	.....	4	58	3·61	−0·06	.....	+22	41	13·6	+0·1
	7·5	RM	E	.....	5	2	11·45	+0·09	.....	+22	47		.....
	11·5	M	E	.....	5	18	44·65	+0·02	.....	+23	7		.....
	13·5	M	W	.....	5	27	2·60	+0·16	.....	+23	14	3·4	+0·4
	15·5	CS	W	.....	5	35	20·76	−0·03	.....	+23	19	46·5	+0·7
	17·5	RM	W	.....	5	43	39·52	−0·01	.....	+23	23	50·3	+0·4
	18·5	CS	W	E	5	47	49·10	+0·10	.....	+23	25	15·8	+1·0

SUN—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	20·5	M	W	.....	5	56	8·07	+0·04	.....	+23	26	50·4	−0·2
July	5·5	CS	E	.....	6	58	19·06	+0·12	.....	+23	2	25·1	−0·1
	6·7	CS	E	.....	7	2	25·77	−0·02	.....	+22	40		.....
	8·5	RM	E	E	7	10	38·29	−0·03	.....	+22	27	26·9	+0·1
	9·5	M	E	E	7	14	43·91	−0·06	.....	+22	20	20·6	+0·1
	11·5	RM	E	.....	7	22	54·08	+0·12	.....	+22	4	59·8	+0·7
	16·5	M	E	W	7	43	10·52	+0·07	.....	+20	48	41·4	−0·2
	20·5	M	E	.....	7	59		.....	.....	+20	37	33·4	+0·8
	21·5	RM	E	.....	8	3	14·09	+0·15	.....	+20	26	2·1	−0·6
	29·5	CS	E	.....	8	34	50·44	−0·02	.....	+18	42	2·5	+0·1
Aug.	2·5	M	E	.....	8	50	24·71	+0·08	.....	+17	42	29·6	+0·2
	4·5	RM	E	.....	8	58	8·12	+0·05	.....	+17	10	58·7	+1·0
	6·5	HS	E	.....	9	5	49·19	+0·12	.....	+16	38	18·8	−0·3
	8·5	RM	E	.....	9	13	27·60	−0·03	.....	+16	5		.....
	9·5	HS	E	.....	9	17	16·03	+0·04	.....	+15	47		.....
	10·5	RM	E	.....	9	21	3·81	+0·04	.....	+15	30		.....
	11·5	HS	E	W	9	24	50·87	−0·07	.....	+15	12		.....
	15·5	RM	E	.....	9	40	54·00	+0·04	.....	+13	58	49·1	−0·3
	17·5	M	W	.....	9	44		.....	.....	+13	20	49·1	+0·0
	19·5	M	W	W	9	54	48·49	+0·00	.....	+12	42		.....
	20·5	HS	W	W	9	58	30·94	+0·04	.....	+12	22		.....
	22·5	RM	W	E	10	6	54·30	−0·08	.....	+11	42	11·7	+0·8
	23·5	M	W	.....	10	9	35·52	+0·08	.....	+11	21	51·6	−0·6
Sept.	2·5	HS	W	.....	10	46		.....	.....	+ 7	49	39·1	−1·1
	3·5	M	W	.....	10	50		.....	.....	+ 7	27	36·7	+3·2
	8·5	M	W	.....	11	7	45·09	+0·00	.....	+ 5	36		.....
	9·5	RM	W	.....	11	11	21·09	+0·16	.....	+ 5	13		.....
	10·5	M	W	.....	11	14	56·65	+0·03	.....	+ 4	51		.....
	12·5	RM	W	.....	11	22	7·70	+0·13	.....	+ 4	4	54·1	+0·1
	13·5	CS	W	.....	11	25	42·97	+0·08	.....	+ 3	41	57·4	+0·7
	14·5	RM	W	.....	11	29		.....	.....	+ 3	18	55·9	+0·2
	15·5	M	W	W	11	32	53·28	−0·04	.....	+ 2	55	51·6	+0·7
	16·7	CS	W	.....	11	36	28·57	+0·08	.....	+ 2	32	43·0	+0·3
	17·5	RM	W	.....	11	40	3·65	+0·01	.....	+ 2	9	29·7	−1·7
	20·5	CS	W	E	11	50	49·23	−0·06	.....	+ 0	59	41·3	−1·4
	21·5	RM	W	.....	11	54	24·81	+0·16	.....	+ 0	36	21·8	−0·6
	22·5	M	W	.....	11	58	0·22	+0·11	.....	+ 0	12	58·4	+2·4
	24·5	RM	W	.....	12	5	11·50	+0·07	.....	− 0	33	45·1	+0·5
	26·5	M	W	.....	12	12	23·46	+0·05	.....	− 1	21		.....
	28·5	M	W	E	12	19	36·16	−0·05	.....	− 2	7	21·3	−0·7
Oct.	3·5	RM	W	.....	12	37	42·83	+0·13	.....	− 4	3	54·8	−2·1
	4·5	M	W	.....	12	41	21·01	+0·11	.....	− 4	27	5·7	−2·0
	14·5	M	W	.....	13	18	4·96	+0·15	.....	− 8	14	51·3	−1·4
	15·5	CS	W	E	13	21	47·91	+0·05	.....	− 8	37		.....
	19·5	CS	W	.....	13	36	46·05	+0·11	.....	−10	4	47·7	−1·6

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
22·5	CS	W	E	13 48 6·34	+0·12	.....	−11 9 2·1	−0·2
27·5	RM	W	.....	14 7 14·29	+0·13	.....	−12 52 43·5	+1·0
Nov. 3·5	CS	W	.....	14 34 33·44	+0·18	.....	−15 9 19·7	+0·3
4·5	RM	W	.....	14 38 30·61	+0·03	.....	−15 27 54·5	−0·2
5·5	M	E	.....	14 42 28·79	+0·08	.....	−15 46	.....
9·5	M	E	.....	14 58 29·51	+0·10	.....	−16 56 48·4	−2·1
17·5	CS	E	.....	15 31 11·42	+0·22	.....	−19 3 37·3	−0·4
18·5	RM	E	.....	15 35	.....	.....	−19 17 58·9	+1·8
22·5	RM	E	.....	15 52 4·82	−0·01	.....	−20 12 3·9	+0·2
26·5	M	E	.....	16 9 2·61	+0·23	.....	−21 0 10·0	+1·9
28·5	CS	E	.....	16 17 35·91	+0·22	.....	−21 21 55·3	+0·0
29·5	RM	E	.....	16 21 53·37	−0·04	.....	−21 32 9·1	+1·5
30·5	M	E	.....	16 26 12·15	+0·36	.....	−21 42 1·7	−0·4
Dec. 1·5	CS	E	.....	16 30 31·00	+0·15	.....	−21 51 28·4	−1·3
3·5	RM	E	.....	16 39 10·93	+0·17	.....	−22 9 2·2	+0·5
15·5	CS	E	.....	17 32	.....	.....	−23 17 31·5	+1·6
16·5	M	E	.....	17 36 17·50	+0·26	.....	−23 20 12·4	+5·4
17·5	RM	E	.....	17 41	.....	.....	−23 22 32·7	+1·9
22·5	CS	E	.....	18 2 55·40	+0·12	.....	−23 26 57·3	−1·8
27·5	M	W	.....	18 25 8·13	+0·06	.....	−23 19 27·7	+1·1
1933								
Jan. 3·5	RM	W	.....	18 56 6·09	−0·01	.....	−22 49 26·6	−1·3
5·5	M	W	.....	19 5	.....	.....	−22 36 40·5	+2·4
12·5	M	W	.....	19 35 24·99	+0·07	.....	−21 38 17·9	+4·5
13·5	RM	W	.....	19 39 44·38	+0·16	.....	−21 28 19·0	+0·7
14·5	HS	W	.....	19 44 2·97	+0·10	.....	−21 17 52·0	+0·3
16·5	M	W	.....	19 52 38·30	+0·07	.....	−20 55 43·8	+0·1
18·5	HS	W	.....	20 1 10·92	+0·05	.....	−20 31 54·8	+4·8
20·5	RM	W	.....	20 9 40·83	+0·13	.....	−20 6 38·5	+3·5
23·5	M	W	.....	20 22 19·84	−0·04	.....	−19 25 55·2	+0·8
24·5	RM	W	.....	20 26 31·59	+0·18	.....	−19 11 33·8	+3·1
25·5	CS	W	.....	20 30 42·28	+0·13	.....	−18 56 55·4	+1·3
27·5	RM	W	.....	20 39 1·27	+0·07	.....	−18 26 34·9	−0·5
28·5	CS	W	.....	20 43 9·61	+0·11	.....	−18 10 53·0	−0·1
30·5	M	W	.....	20 51 23·70	+0·10	.....	−17 38 30·8	+1·0
Feb. 6·5	CS	W	.....	21 19 46·69	+0·11	.....	−15 35 47·8	+2·0
10·5	RM	W	.....	21 36	.....	.....	−14 19 44·5	+0·7
13·5	CS	W	E	21 47 29·61	−0·09	.....	−13 20	.....
15·5	M	E	.....	21 55 18·23	+0·18	.....	−12 39 21·1	+0·4
17·5	M	E	.....	22 3 3·76	+0·21	.....	−11 57 42·4	+0·5
18·5	M	E	.....	22 6 55·24	−0·04	.....	−11 36 35·7	+0·4
27·5	CS	E	.....	22 41 12·09	+0·00	.....	− 8 19 9·4	−1·1
28·5	M	E	.....	22 45	.....	.....	− 7 56 29·9	+0·0
March 11·5	M	E	.....	23 25 47·40	−0·02	.....	− 3 41 26·6	+1·2
13·5	M	E	.....	23 33 7·87	+0·02	.....	− 2 54 16·8	+0·5
16·5	M	W	.....	23 44 6·30	−0·23	.....	− 1 43 16·7	+1·1

SUN—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	17·5	HS	W	.....	23	47	45·38	−0·29	.....	− 1	19	35·0	+0·6
	18·5	M	W	.....	23	51		.....	.....	− 0	55	49·8	+3·1
	23·5	M	W	.....	0	9	37·54	+0·03	.....	+ 1	2	36·5	+0·3
	25·5	RM	W	.....	0	16	54·41	+0·30	.....	+ 1	49	52·7	+2·0
	29·5	M	W	.....	0	31	27·19	+0·07	.....	+ 3	23	47·0	+0·2
	30·5	M	W	.....	0	35	5·40	−0·03	.....	+ 3	47	9·1	+2·3
April	3·5	M	W	.....	0	49	39·46	+0·04	.....	+ 5	19	40·7	+0·6
	5·5	CS	W	.....	0	56	57·20	+0·06	.....	+ 6	5	24·5	+0·8
	6·5	M	W	.....	1	0	36·24	+0·00	.....	+ 6	28	7·4	+1·3
	13·5	M	E	.....	1	26	16·40	+0·02	.....	+ 9	3	36·3	−0·1
	15·5	CS	E	W	1	33	39·22	+0·11	.....	+ 9	46	47·2	+0·5
	19·5	CS	E	.....	1	48	29·23	+0·06	.....	+11	11	9·4	−0·4
	20·5	M	E	W	1	52	19·90	+0·18	.....	+11	31	50·2	+1·1
	21·5	RM	E	.....	1	55	56·70	−0·02	.....	+11	52	18·7	+1·4
	22·5	CS	E	.....	1	59	41·24	+0·08	.....	+12	12	33·0	+0·7
	24·5	M	E	.....	2	7	11·49	+0·06	.....	+12	52	30·8	+0·7
	29·5	CS	W	E	2	26	5·59	+0·06	S	+14	28	33·1	+0·3
May	4·5	CS	W	E	2	45	12·36	−0·04	S	+15	58	35·7	−0·5
	5·5	RM	W	.....	2	49	3·39	+0·02	.....	+16	15	49·7	+0·6
	6·5	M	W	.....	2	52	54·70	−0·18	.....	+16	33		.....
	8·5	HS	W	.....	3	0	39·55	−0·01	.....	+17	5	56·7	+2·8
	9·5	RM	W	.....	3	4	32·90	+0·16	.....	+17	22	0·8	−0·5
	11·5	CS	W	.....	3	12	20·89	+0·05	.....	+17	53	24·2	+0·2
	16·5	RM	W	.....	3	32	1·54	+0·21	.....	+19	6	32·4	+0·1
	17·5	M	W	.....	3	35	59·20	+0·00	.....	+19	20	14·0	+0·7
	18·5	CS	W	.....	3	40		.....	.....	+19	33	36·1	+1·3
	22·5	CS	W	.....	3	55	57·09	−0·03	.....	+20	23	38·0	−0·3
	26·5	RM	W	.....	4	12	5·00	−0·13	.....	+21	8	7·2	+0·2
June	1·5	RM	W	E	4	36	31·07	−0·13	.....	+22	3	49·8	+0·8
	5·5	M	W	.....	4	52	56·42	+0·03	.....	+22	33	18·1	+0·3
	6·5	CS	E	.....	4	57	3·54	+0·01	.....	+22	39	42·3	+1·1
	7·5	RM	E	W	5	1	11·11	+0·16	.....	+22	45	43·4	+2·5
	8·5	M	E	.....	5	5	18·85	+0·18	.....	+22	51	17·9	+1·3
	9·5	CS	E	.....	5	9	26·76	+0·09	.....	+22	56		.....
	10·5	RM	E	.....	5	13	35·06	+0·14	.....	+23	1	17·5	+1·6
	12·5	M	E	.....	5	21	52·06	−0·08	.....	+23	9	39·4	+1·2
	16·5	CS	E	W	5	38	29·09	+0·23	.....	+23	21	29·1	+0·3
	19·5	M	W	.....	5	50	57·61	−0·04	.....	+23	26		.....
	21·5	RM	W	.....	5	59	17·13	+0·08	.....	+23	27	0·7	+0·1
	22·5	M	W	.....	6	3	26·80	+0·04	.....	+23	26	51·7	−0·7
	23·5	RM	W	.....	6	8		.....	.....	+23	26	16·7	−2·6
	24·5	RM	W	.....	6	11	46·11	+0·15	.....	+23	25	19·3	−2·2
	26·5	M	W	.....	6	20		.....	.....	+23	22	10·9	−0·5
	27·5	RM	W	.....	6	24	14·05	+0·11	.....	+23	19	58·9	−0·6
	28·5	RM	W	.....	6	28	22·79	−0·14	.....	+23	17	22·4	−0·4

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
29·5	M	W	.....	6 32 31·76	+0·02	.....	+23 14 22·3	+0·5
July 3·5	M	W	E	6 49 4·21	−0·17	.....	+22 58	.....
4·5	HS	W	.....	6 53 11·82	+0·03	.....	+22 53 10·9	−0·9
5·5	M	W	.....	6 57 19·02	+0·14	.....	+22 47 46·4	+0·7
6·5	M	W	.....	7 1 28·57	−0·04	.....	+22 42	.....
10·5	M	W	.....	7 17 48·88	+0·04	.....	+22 14 42·1	−0·8
11·5	HS	W	W	7 21 53·83	+0·18	.....	+22 6 58·2	+1·5
12·5	CS	W	.....	7 25 58·02	−0·01	.....	+21 58 47·6	−0·1
14·5	HS	W	.....	7 34 5·50	+0·04	.....	+21 41 21·8	−0·0
15·5	CS	W	.....	7 38 8·53	+0·06	.....	+21 32 4·1	−1·3
18·5	HS	W	.....	7 50 14·53	−0·02	.....	+21 2 3·8	−0·7
19·5	CS	W	.....	7 54	.....	.....	+20 51 22·3	+1·3
21·5	RM	W	.....	8 2 16·01	+0·10	.....	+20 28 50·9	−0·0
22·5	CS	W	.....	8 6	.....	.....	+20 17 4·8	+0·1
25·5	RM	W	.....	8 18	.....	.....	+19 39 43·9	−0·8
26·5	CS	W	.....	8 22 6·84	+0·05	.....	+19 26 38·8	+0·3
27·5	M	W	.....	8 26	.....	.....	+19 13 12·6	−0·4
28·5	RM	W	.....	8 29 58·90	−0·02	.....	+18 59 29·4	+0·7
31·5	RM	W	.....	8 41 42·52	+0·08	.....	+18 16 24·0	−0·4
Aug. 4·5	HS	W	.....	8 57 11·88	+0·15	.....	+17 14 49·3	−1·0
5·5	CS	W	.....	9 1 2·60	+0·08	.....	+16 58 44·7	+0·5
8·5	HS	W	W	9 12 31·49	+0·17	N	+16 8 47·8	−0·8
9·5	CS	W	.....	9 16	.....	.....	+15 51 39·2	+0·7
10·5	HS	W	.....	9 20 7·81	+0·16	.....	+15 34 11·8	−1·1
12·5	M	E	.....	9 27 41·80	+0·06	.....	+14 58 36·3	−0·7
15·5	M	E	.....	9 38 59·02	+0·17	.....	+14 3 25·8	+0·2
16·5	RM	E	.....	9 42 43·42	−0·08	.....	+13 44 32·8	−1·4
17·5	M	E	.....	9 46 27·73	+0·09	.....	+13 25 39·3	−0·4
18·5	RM	E	.....	9 50.....	.....	.....	+13 6 12·0	−0·4
19·5	M	E	.....	9 53 54·56	+0·13	.....	+12 46 43·8	+1·2
21·5	RM	E	.....	10 1 19·43	+0·13	.....	+12 7 6·3	−0·5
29·5	HS	E	.....	10 30 40·93	−0·04	.....	+ 9 21 29·1	−1·1
30·5	HS	E	.....	10 34 19·53	+0·16	.....	+ 9 0 4·7	−0·4
1934								
Jan. 24·5	CS	W	.....	20 26	.....	.....	−19 14 59·9	+3·0
Feb. 2·5	RM	W	.....	21 3	.....	.....	−16 51 55·2	+1·1
3·5	M	W	.....	21 6 42·20	+0·21	.....	−16 34	.....
5·5	HS	W	.....	21 15	.....	.....	−15 58 38·3	+3·0
7·5	M	W	.....	21 22 47·65	−0·01	.....	−15 22	.....
13·5	RM	W	.....	21 47	.....	.....	−13 24 57·8	+4·6
16·5	M	W	.....	21 58	.....	.....	−12 23 30·4	+5·9
17·5	M	W	.....	22 2	.....	.....	−12 2 40·6	+2·8
21·5	M	W	.....	22 17 31·35	+0·04	.....	−10 37 23·5	−1·0
23·5	RM	W	.....	22 25	.....	.....	− 9 53 41·5	+0·6

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
				h	m	s	s		°	′	″	″
27·5	RM	W	.....	22	40	17·15	+0·09	.....	− 8	24	37·4	+0·5
March 8·5	M	W	.....	23	14		.....	.....	− 4	57	38·7	+0·2
9·5	M	W	.....	23	18		.....	.....	− 4	34	12·7	+1·1
10·5	HS	W	.....	23	21	12·57	−0·02	.....	− 4	10	42·3	+3·0
12·5	M	W	.....	23	28	34·05	−0·03	.....	− 3	23	39·0	−0·4
14·5	HS	W	.....	23	35	54·48	+0·10	.....	− 2	36	20·9	+1·5
15·5	M	W	.....	23	39	34·22	+0·06	.....	− 2	12	40·6	+0·9
16·5	RM	W	.....	23	43	13·85	+0·17	.....	− 1	48	56·6	+2·9
19·5	M	W	.....	23	54	11·13	+0·12	.....	− 0	37	49·2	+0·9
20·5	RM	W	.....	23	57	49·87	+0·12	.....	− 0	14	5·5	+1·6
22·5	M	W	.....	0	5	6·80	−0·01	.....	+ 0	33	18·0	+1·9
23·5	RM	W	.....	0	9		.....	.....	+ 0	56	57·6	+1·7
28·5	HS	W	.....	0	26	56·03	+0·04	.....	+ 2	54	43·2	+2·4
31·5	HS	W	W	0	37	50·65	+0·11	.....	+ 4	4	42·2	+1·4
April 4·5	RM	E	.....	0	52	24·67	+0·08	.....	+ 5	36	57·3	+0·6
5·5	M	E	.....	0	56	3·54	+0·05	.....	+ 6	0		.....
7·5	RM	E	E	1	3	21·95	+0·04	.....	+ 6	45	10·5	+0·9
9·5	M	E	.....	1	10	41·20	−0·06	.....	+ 7	30	6·9	+2·0
10·5	HS	E	.....	1	14	21·39	+0·07	.....	+ 7	52	21·2	−0·3
13·5	HS	E	.....	1	25	23·24	−0·03	.....	+ 8	58	23·2	+0·6
17·5	HS	E	.....	1	40	10·52	+0·09	.....	+10	24	18·4	+1·6
18·5	RM	E	.....	1	43	53·19	+0·07	.....	+10	45	21·5	+1·2
20·5	M	E	.....	1	51	19·74	+0·09	.....	+11	26	56·6	+1·8
24·5	HS	E	W	2	6	17·66	−0·01	.....	+12	47	44·6	−0·1
28·5	RM	E	.....	2	21	22·96	−0·02	.....	+14	5	13·0	+1·2
30·5	M	E	.....	2	28	58·59	−0·06	.....	+14	42	34·7	+1·1
May 1·5	RM	E	.....	2	32	47·13	−0·13	.....	+15	0	52·6	−0·1
2·5	M	E	.....	2	37		.....	.....	+15	18	56·9	−0·2
3·5	M	E	.....	2	40	26·23	+0·06	.....	+15	37		.....
4·5	M	E	.....	2	44		.....	.....	+15	54	20·8	+0·1
5·5	M	E	.....	2	48	7·29	−0·04	.....	+16	11	39·1	+0·0
7·5	HS	E	.....	2	55	50·81	+0·00	.....	+16	45	26·4	−0·9
8·5	RM	E	.....	2	59	43·41	−0·02	.....	+17	1	58·4	+1·6
12·5	M	E	.....	3	15	19·74	−0·10	.....	+18	5	2·1	+0·6
14·5	HS	E	.....	3	23		.....	.....	+18	34	45·5	−0·3
15·5	RM	E	.....	3	27	8·15	−0·07	.....	+18	49	10·0	+0·2
16·5	M	E	.....	3	31	5·43	−0·05	.....	+19	3	15·3	+0·6
18·5	M	E	.....	3	39		.....	.....	+19	30	27·6	+1·5
19·5	M	E	.....	3	43	0·60	+0·01	.....	+19	43	34·2	+2·1
25·5	M	E	.....	4	7	5·06	+0·00	.....	+20	54	54·5	−0·8
26·5	M	E	.....	4	11	7·60	+0·05	.....	+21	5	35·7	+0·7
28·5	HS	E	.....	4	19	14·03	+0·07	.....	+21	25	47·2	−1·6
30·5	M	E	.....	4	27	22·24	+0·02	.....	+21	44	34·4	+0·7
June 1·5	M	E	.....	4	35	32·34	+0·08	.....	+22	1	49·8	+1·5
2·5	HS	E	.....	4	39	37·88	−0·05	.....	+22	9	52·1	+0·8

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
5·5	M	E	.....	4 51 57·19	−0·10	.....	+22 32	.....
6·5	HS	E	.....	4 56 4·51	+0·02	.....	+22 38 11·9	+1·7
7·5	M	E	W	5 0 11·94	−0·09	.....	+22 44 17·2	+1·4
8·5	CS	E	E	5 4 19·91	+0·05	.....	+22 50	.....
18·5	CS	E	.....	5 46	.....	.....	+23 24 34·5	+0·9
20·5	HS	E	.....	5 54 9·24	+0·00	.....	+23 26 33·4	+0·6
21·5	HS	E	E	5 58 18·89	+0·05	.....	+23 27	.....
22·5	M	E	.....	6 2 28·34	−0·08	.....	+23 26 53·5	+0·7
23·5	HS	E	.....	6 6 37·91	−0·02	.....	+23 26 25·8	+0·1
25·5	M	E	.....	6 14 56·75	+0·08	.....	+23 24 16·7	−0·4
27·5	HS	E	.....	6 23 14·94	+0·01	.....	+23 20 30·1	+0·1
30·5	HS	E	.....	6 36	.....	.....	+23 11 45·6	+0·5
July 3·5	M	E	.....	6 48	.....	.....	+22 59 20·9	+0·0
9·5	HS	E	.....	7 13	.....	.....	+22 23 47·4	+2·5
10·5	M	E	.....	7 17	.....	.....	+22 16 28·3	+1·7
13·5	M	E	.....	7 29	.....	.....	+21 52 15·1	+1·1
14·5	HS	E	.....	7 33 9·05	+0·01	.....	+21 43 24·9	+0·2
16·5	HS	E	W	7 41 15·03	+0·12	.....	+21 24 39·1	−0·2
17·5	M	E	.....	7 45	.....	.....	+21 14 45·2	+1·4
19·5	HS	E	.....	7 53 19·71	−0·02	.....	+20 53 48·3	−0·3
20·5	CS	E	.....	7 57	.....	.....	+20 42 49·9	+0·6
21·5	HS	E	.....	8 1 20·22	+0·09	.....	+20 31 29·2	+0·2
25·5	HS	E	W	8 17 14·04	+0·14	.....	+19 43	.....
27·5	HS	E	.....	8 25 7·26	+0·04	.....	+19 16 23·9	+0·0
28·5	HS	E	.....	8 29 3·12	+0·12	.....	+19 2 44·6	−0·1
Aug. 1·5	HS	E	.....	8 44 40·21	+0·01	.....	+18 5 1·6	+0·2
3·5	HS	E	.....	8 52 25·17	−0·11	.....	+17 34 21·0	−0·6
7·5	HS	E	.....	9 7 48·46	+0·11	.....	+16 29 37·2	−0·6
10·5	M	E	E	9 19 14·44	−0·07	.....	+15 38	.....
11·5	HS	E	.....	9 23 2·11	+0·04	.....	+15 20 38·2	+0·1
13·5	HS	E	.....	9 31	.....	.....	+14 44 38·8	−0·1
15·5	M	E	.....	9 38 6·59	−0·05	.....	+14 7 45·7	+2·4
17·5	RM	E	.....	9 45 35·57	−0·04	.....	+13 29 57·2	+3·0
18·5	M	E	.....	9 49 19·28	+0·00	.....	+13 11	.....
20·5	HS	E	.....	9 56 45·10	+0·00	.....	+12 31 35·5	−0·7
21·5	RM	E	.....	10 0 27·19	−0·05	.....	+12 11 47·2	+1·2
22·5	M	E	W	10 4 8·98	+0·06	.....	+11 51 44·6	+0·1
23·5	HS	E	.....	10 7 50·23	+0·10	.....	+11 31 32·0	+0·1
25·5	M	E	W	10 15 11·25	+0·02	N	+10 50 33·4	−0·5
27·5	HS	E	.....	10 22 30·74	+0·05	.....	+10 8 54·5	−0·2
29·5	M	E	.....	10 29 48·77	+0·08	.....	+ 9 26 35·6	−0·9
30·5	HS	E	W	10 33 27·12	−0·05	.....	+ 9 5 13·5	+0·0
31·5	RM	E	.....	10 37 5·44	+0·10	.....	+ 8 43 42·0	+0·4
Sept. 1·5	M	E	.....	10 40 43·21	+0·02	.....	+ 8 22 2·5	+1·3
11·5	RM	E	E	11 16 48·78	+0·09	.....	+ 4 38 44·1	+0·6

SUN—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
12·5	RM	E	W	11 20 24·28	+0·00	.....	+ 4 15 51·7	−0·3
19·5	RM	E	.....	11 45 31·36	+0·09	.....	+ 1 34 8·6	+1·1
21·5	HS	E	.....	11 52 41·74	+0·02	.....	+ 0 47	.....
26·5	RM	E	.....	12 10 39·75	+0·15	.....	− 1 09 20·1	−1·5
28·5	HS	E	.....	12 17 51·93	−0·01	.....	− 1 56	.....
Oct. 1·5	M	E	.....	12 28 42·29	−0·01	.....	− 3 6 5·7	−0·4
4·5	M	E	.....	12 39 35·49	+0·13	.....	− 4 15 50·9	−1·1
9·5	RM	E	.....	12 57 51·19	+0·02	.....	− 6 10 58·0	+1·3
12·5	RM	E	.....	13 9	.....	.....	− 7 19 7·4	+1·7
13·5	HS	E	.....	13 13	.....	.....	− 7 41 41·4	−0·7
16·5	RM	E	.....	13 24	.....	.....	− 8 48 35·3	−0·2
17·5	HS	E	.....	13 27 28·33	+0·10	.....	− 9 10 40·8	−2·4
24·5	HS	E	.....	13 54	.....	.....	−11 40 57·1	+1·0
25·5	M	E	W	13 57 42·26	+0·06	.....	−12 1 47·6	−0·1
Nov. 2·5	RM	E	.....	14 29	.....	.....	−14 41 16·5	−1·7
3·5	M	E	.....	14 32 38·63	+0·16	.....	−15 0 10·5	+0·5
6·5	RM	E	.....	14 44 31·86	+0·02	.....	−15 55 30·8	−0·5
12·5	RM	E	.....	15 9	.....	.....	−17 38 44·9	+3·1
Dec. 8·5	M	W	.....	16 58 53·04	+0·18	.....	−22 42 16·7	+3·2
10·5	M	W	E	17 7 39·91	+0·09	.....	−23 54 9·2	+4·2
12·5	RM	W	.....	17 16 28·54	+0·16	.....	−23 4 17·5	+0·7
17·5	HS	W	.....	17 39	.....	.....	−23 21 24·1	+3·0
18·5	M	W	.....	17 43 1·37	+0·21	.....	−23 23 29·5	−0·4
20·5	HS	W	.....	17 51 53·64	+0·00	.....	−23 26 6·7	+2·2
22·5	RM	W	.....	18 0 46·43	−0·07	.....	−23 26 55·4	+0·4
31·5	M	W	.....	18 41	.....	.....	−23 7 6·1	+3·4
1935								
Jan. 11·5	RM	W	.....	19 28 59·29	−0·00	.....	−21 52 23·9	+1·0
12·5	M	W	.....	19 33 19·65	+0·09	.....	−21 42 54·9	+4·5
14·5	HS	W	.....	19 41 58·45	+0·22	.....	−21 22 53·5	−0·6
15·5	RM	W	W	19 46 16·62	+0·06	.....	−21 12 11·3	+1·5
16·5	M	W	.....	19 50 34·36	+0·13	.....	−21 1 5·1	+3·1
18·5	RM	W	E	19 59 7·43	+0·01	.....	−20 37 41·7	+5·3
19·5	M	W	.....	20 3 23·16	+0·21	.....	−20 25 27·5	+3·7
22·5	RM	W	.....	20 16	.....	.....	−19 46 22·4	+4·2
29·5	RM	W	.....	20 45 16·60	+0·16	.....	−18 2 40·9	−1·5
Feb. 4·5	M	W	.....	21 9 46·88	+0·43	.....	−16 20 55·7	+1·7
5·5	RM	W	.....	21 13 48·94	+0·35	.....	−16 2 55·8	+2·7
6·5	HS	W	.....	21 17 50·10	+0·19	.....	−15 44 40·5	+2·5
7·5	M	W	.....	21 21 50·47	+0·07	.....	−15 26 9·7	+1·9
11·5	M	E	.....	21 37 44·09	−0·12	.....	−14 9 32·0	+2·0
12·5	M	E	.....	21 41 40·76	+0·11	.....	−13 49 49·1	−0·4
16·5	HS	E	.....	21 57 18·87	+0·10	.....	−12 28 35·0	+1·0
20·5	M	E	.....	22 12 45·34	+0·03	.....	−11 4	.....
22·5	M	E	.....	22 20 24·54	−0·01	.....	−10 21	
26·5	M	E	.....	22 36 35·73	+0·05	.....	− 8 52 31·9	+0·9
28·5	M	E	.....	22 43 7·82	−0·05	.....	− 8 7	.....

SUN—*Concluded*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
March 7·5	M	E	.....	23 9 15·15	+0·20	.....	− 5 26 29·2	+1·7
8·5	RM	E	.....	23 12 57·18	+0·14	.....	− 5 3 8·2	+2·2
9·5	RM	E	.....	23 16 38·88	+0·15	.....	− 4 39 45·1	+1·0
13·5	RM	E	.....	23 31 21·93	+0·04	.....	− 3 5 36·7	+1·8
14·5	M	E	.....	23 35 1·88	+0·00	.....	− 2 41 58·1	+2·6
18·5	M	E	.....	23 49 39·33	+0·06	.....	− 1 7 15·9	+1·3
20·5	RM	E	.....	23 56 56·86	+0·11	.....	− 0 19 51·6	+1·2
22·5	M	E	W	0 4 13·18	−0·48	.....	+ 0 27 32·9	+3·0
25·5	M	E	.....	0 15 8·43	+0·02	.....	+ 1 38 26·5	+2·3
26·5	RM	E	.....	0 18 46·77	+0·19	.....	+ 2 1 59·0	+0·6
27·5	RM	E	.....	0 22 24·82	+0·06	.....	+ 2 25 30·2	+0·0
30·5	M	E	.....	0 33	.....	.....	+ 3 35 45·3	−1·4
April 3·5	M	E	.....	0 47 53·60	+0·04	.....	+ 5 8 32·3	+0·9
4·5	HS	E	.....	0 51 32·50	+0·11	.....	+ 5 31 30·5	+0·7
5·5	RM	E	.....	0 55 11·47	+0·10	.....	+ 5 54 23·3	+1·0
6·5	RM	E	.....	0 58 50·62	+0·09	.....	+ 6 17 10·2	+1·6

MERCURY

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
1924 Sept. 3	RM	E	W	11 1 32·46	−0·04	C	+ 6 47 33·0	+0·1
25	M	E	W	11 7 54·09	−0·10	C	+ 6 36 54·2	+0·2
26	CS	E	.....	11 12	.....	S	+ 6 24 56·6	−0·6
Oct. 8	M	E	W	12 18 37·84	+0·02	S	+ 0 3 25·9	+0·4
12	M	E	W	12 48 54·03	+0·04	C	− 2 51 28·7	−0·9
1925 Feb. 17	RM	E	E	21 17 29·70	−0·14	N	−17 53 5·8	−1·2
May 27	CS	W	E	2 46 16·81	+0·18	N	+13 11 29·7	+0·2
June 8	HS	E	E	4 8 20·12	−0·17	C	+20 2 19·9	+0·6
July 14	CS	W	W	9 10 55·09	+0·09	C	+17 21 47·0	−0·7
16	CS	W	W	9 22 16·99	−0·01	N	+16 14 1·2	−1·0
Sept. 17	RM	W	E	10 43 9·32	−0·04	C	+ 9 44 23·4	−0·4
19	HS	W	E	10 55 48·06	−0·02	C	+ 8 39 35·0	+0·1
26	CS	W	E	11 42 21·96	+0·08	.....	+ 3 54	.....
1926 May 1	CS	E	E	0 55 31·98	+0·05	N	+ 2 45 59·9	+0·5
15	RM	W	E	2 8 40·44	+0·10	C	+10 26 2·4	+0·8
17	CS	W	E	2 21 25·85	+0·12	.....	+11 46	.....
25	CS	W	E	3 19 14·28	−0·01	.....	+17 16	.....
26	M	W	E	3 27 17·13	+0·03	N	+17 56 24·8	−1·3
June 22	CS	E	.....	7 27	.....	N	+23 53 32·1	+0·2
29	CS	E	W	8 13 29·06	+0·12	N	+21 19 14·9	−0·4
July 19	M	W	W	9 27 39·73	+0·13	C	+13 31 24·0	+1·4
1927 April 9	HS	E	E	23 30 26·68	−0·08	.....	− 5 17	.....
28	HS	E	E	1 3 56·73	+0·05	.....	+ 4 3	.....
30	CS	E	E	1 16 7·07	−0·30	.....	+ 5 26	.....
May 3	HS	W	E	1 35 17·24	+0·02	.....	+ 7 37	.....
June 1	RM	W	W	5 36 39·78	+0·27	C	+25 17 33·3	+0·5
15	RM	W	W	7 16 55·97	+0·09	C	+23 53 52·0	−1·1
24	RM	W	W	7 57 8·49	+0·01	C	+20 55 25·9	−1·2
Aug. 3	RM	E	E	7 35 43·08	−0·10	S	+18 50 1·2	+2·7
6	CS	W	E	7 43 35·94	−0·04	.....	+19 20	.....
9	CS	W	E	7 55 30·47	+0·06	.....	+19 37	.....
10	M	W	E	8 0 19·50	−0·09	S	+19 39 28·5	−3·3
Dec. 1	CS	E	E	15 9 26·79	−0·06	C	−15 36 12·7	−1·8
3	RM	E	E	15 19 47·96	+0·17	C	−16 29 40·5	+0·6
1928 April 16	M	W	E	0 38 17·66	+0·15	C	+ 1 38 59·0	+0·7
20	M	W	E	1 4 40·78	+0·13	N	+ 4 45 59·9	+0·7
July 30	CS	W	E	7 29 3·11	+0·08	S	+21 44 45·8	−0·7
Nov. 9	CS	W	E	13 47 35·53	+0·15	S	− 8 39 53·6	−2·2
23	CS	W	E	15 1 34·02	+0·19	S	−15 50 26·9	−0·9
1929 July 15	RM	E	E	6 26 53·54	+0·08	C	+22 47 52·2	+0·2
Oct. 28	M	E	E	13 7 57·53	+0·09	S	− 4 56 4·7	−3·7
1930 June 23	HS	E	E	4 36 42·84	+0·11	N	+19 48 48·9	−0·2
25	CS	E	E	4 49 8·85	+0·13	S	+20 34 47·5	−1·1
July 4	HS	E	E	5 57 50·56	+0·03	N	+23 23 11·0	+0·5
5	HS	E	.....	6 7	.....	N	+23 34 6·1	+0·5

MERCURY—*Concluded*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
Aug. 5	M	E	W	10 19 57·17	+0·13	C	+11 19 13·5	−0·7
1931 May 28	HS	W	E	2 41 8·35	+0·23	N	+12 0 57·5	+0·3
30	HS	W	E	2 49 15·44	+0·14	N	+12 45 20·0	+0·8
June 1	RM	W	E	2 58 11·61	+0·08	.....	+13 35	.....
2	M	W	E	3 2 58·03	+0·10	N	+14 0 46·6	−0·8
12	RM	E	E	4 2 13·48	+0·01	N	+18 56 53·5	−0·4
13	M	E	E	4 9 21·46	−0·03	N	+19 27 18·0	+0·1
16	M	E	E	4 32 8·16	−0·02	N	+20 55 15·8	−1·7
19	RM	E	E	4 56 56·54	+0·04	S	+22 14 38·4	−0·2
Sept. 19	M	E	E	10 39 24·98	+0·01	.....	+ 9 0	.....
23	M	E	E	10 56 16·74	−0·02	C	+ 8 8 51·0	+0·0
28	RM	E	E	11 24 21·24	+0·02	C	+ 5 47 19·9	−0·8
30	M	E	E	11 36 46·06	−0·05	C	+ 4 38 17·2	−1·7
Oct. 2	M	E	E	11 49 29·98	−0·19	S	+ 3 12 36·4	+0·3
5	M	W	E	12 8 51·56	−0·03	C	+ 1 3 6·8	+0·9
6	HS	W	E	12 15 19·80	+0·21	S	+ 0 18 27·6	−1·2
9	M	W	E	12 34 39·24	+0·00	C	− 1 57 31·7	−1·2
Dec. 30	M	W	E	17 18 13·67	+0·08	S	−20 2 16·0	+1·8
1932 Feb. 16	M	E	E	21 27 55·47	+0·11	S	−17 9 41·0	+2·9
Mar. 12	CS	W	W	0 19 36·97	+0·21	C	+ 2 19 49·5	+0·3
May 13	RM	E	E	1 45 4·67	+0·15	C	+ 7 29 47·6	+1·0
25	M	E	E	2 51 16·69	−0·17	C	+14 8 40·2	−0·6
June 1	M	E	E	3 41 42·15	−0·01	S	+18 32 0·4	+1·8
2	M	E	E	3 49 42·11	−0·05	S	+19 8 26·6	+1·4
Sept. 8	M	W	E	10 6 10·38	−0·06	N	+12 46 58·4	−0·5
9	RM	W	E	10 12 13·01	+0·11	C	+12 23 45·0	+0·7
10	M	W	E	10 18 28·99	+0·07	C	+11 57 34·8	+0·0
12	RM	W	E	10 31 32·68	+0·09	C	+10 56 50·9	−0·5
13	CS	W	E	10 38 16·10	+0·05	C	+10 22 47·2	+0·0
Dec. 22	M	E	E	16 29 33·80	−0·06	S	−19 35 7·3	+1·6
27	RM	W	E	16 52 5·29	+0·09	C	−20 58 16·9	−1·0
1933 May 18	CS	W	C	2 53 41·00	+0·07	C	+15 21 13·7	+0·5
June 12	M	E	W	6 35 19·63	+0·28	C	+25 14 16·8	+0·2
23	RM	W	W	7 52 1·40	−0·20	S	+22 25 25·8	+1·2
29	M	W	W	8 22 34·44	+0·13	C	+20 1 6·1	+0·8
July 3	M	W	.....	8 38	.....	C	+18 19 27·5	−0·6
1934 April 5	M	E	.....	23 18	.....	C	− 6 46 14·7	−0·3
9	M	E	E	23 36 1·32	−0·14	C	− 5 10 49·2	+0·2
June 7	M	E	W	6 41 58·17	+0·12	C	+24 59 42·5	−0·5
Nov. 14	M	E	.....	14 8	.....	S	−10 32 0·1	+1·7
1935 April 6	M	E	E	23 50 48·77	−0·04	.....	− 3 38	.....

VENUS

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
1924 Aug. 20	CS	W	E	6 59 12·89	+0·03	.....	+18 25	.....
Sept. 23	RM	E	E	9 11 55·42	+0·13	C	+15 2 7·5	−0·5
25	M	E	E	9 20 31·70	−0·05	S	+14 33 54·7	+1·0
Oct. 29	RM	E	E	11 49 3·95	+0·17	C	+ 2 39 56·3	−0·4
1925 Jan. 17	CS	W	E	18 14 41·38	+0·04	.....	−19 9	.....
23	M	W	C	18 47 15·85	+0·16	C	−22 49 55·8	+0·2
Feb. 17	RM	E	E	20 59 18·26	−0·21	N	−17 58 38·3	−0·1
18	M	E	E	21 4 22·50	−0·24	C	−17 39 15·8	+1·8
Mar. 9	HS	W	C	22 37 10·15	+0·06	C	−10 9 47·7	+2·3
11	HS	W	C	22 46 34·88	+0·04	C	− 9 15 19·4	+1·8
12	RM	W	E	22 51 15·74	−0·24	C	− 8 47 44·6	−0·3
May 27	CS	W	E	4 54 1·24	−0·14	C	+22 52 7·5	+0·0
July 16	CS	W	W	9 16 6·00	+0·01	C	+17 31 47·1	−1·7
27	M	W	W	10 8 31·59	+0·09	N	+13 5 57·7	−1·1
Aug. 7	CS	E	W	10 58 42·54	+0·06	.....	+ 7 59	.....
11	HS	E	C	11 16 31·42	+0·01	C	+ 6 0 57·0	+0·8
24	CS	E	.....	12 13	.....	N	− 0 37 47·7	+0·1
25	HS	E	W	12 17 49·64	+0·08	C	− 1 8 49·6	+1·7
26	CS	E	W	12 22 10·30	−0·05	N	− 1 39 53·8	+0·5
31	CS	E	W	12 43 54·32	+0·02	N	− 4 14 42·0	+0·3
Sept. 17	HS	W	W	13 58 44·98	+0·13	C	−12 38 58·9	−1·2
25	HS	W	W	14 35 3·78	+0·17	C	−16 12 52·9	+0·0
Oct. 1	RM	W	.....	15 3	.....	C	−18 38 17·7	−0·3
22	M	E	.....	16 45	.....	S	−24 47 56·8	+2·0
Dec. 9	CS	E	W	20 27 32·16	+0·10	.....	−21 36	.....
15	M	E	W	20 48 59·91	+0·07	S	−19 47 45·5	+1·3
23	M	E	W	21 13 40·30	+0·09	.....	−17 11	.....
28	HS	E	W	21 26 21·55	+0·11	C	−15 29 5·1	+1·9
29	CS	E	W	21 28 36·41	−0·03	S	−15 8 50·4	−0·1
1926 Jan. 7	CS	E	W	21 43 53·71	−0·27	S	−12 12 27·6	−2·0
Mar. 9	M	W	E	20 51 11·04	−0·17	S	−11 30 53·0	+3·1
13	M	W	E	20 58 10·32	−0·01	N	−11 41 38·5	−1·2
18	RM	W	E	21 9 15·00	−0·09	C	−11 42 59·7	+2·3
20	RM	W	E	21 14 18·30	+0·11	C	−11 39 45·9	+1·4
April 12	RM	E	E	22 28 54·31	+0·10	C	− 8 28 28·6	+1·9
20	RM	E	E	22 58 55·72	+0·04	C	− 6 22 51·2	+1·4
27	CS	E	E	23 26 1·56	−0·05	N	− 4 13 29·4	+0·4
May 1	CS	E	E	23 41 46·79	−0·02	N	− 2 52 46·0	+0·4
8	HS	W	E	0 9 44·85	−0·06	.....	− 0 22	.....
12	HS	W	E	0 25 56·44	+0·02	N	+ 1 8 16·0	−1·2
14	M	W	E	0 34 5·63	+0·10	.....	+ 1 54	.....
15	RM	W	E	0 38 10·96	+0·02	C	+ 2 17 28·4	+1·3
17	CS	W	E	0 46 23·59	+0·09	.....	+ 3 4	.....
25	CS	W	.....	1 20	.....	N	+ 6 12 41·9	+2·0
29	CS	W	E	1 36 34·57	+0·14	N	+ 7 47 1·7	+1·7

VENUS—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
June 2	RM	W	E	1 53 42·78	−0·10	N	+ 9 20 23·2	−0·4
4	HS	E	E	2 2 22·53	+0·08	C	+10 6 30·5	−0·0
5	CS	E	E	2 6 43·73	+0·10	.....	+10 29	.....
16	RM	E	E	2 55 42·28	−0·13	C	+14 29 0·8	+1·8
17	M	E	E	3 0 16·07	+0·14	.....	+14 49	.....
22	CS	E	E	3 23 20·55	+0·07	N	+16 26 49·0	+1·2
24	M	E	E	3 32 42·35	−0·05	S	+17 3 24·6	−2·8
25	RM	E	E	3 37 25·24	+0·12	C	+17 21 12·5	−2·2
28	HS	E	E	3 51 40·41	−0·03	C	+18 12 20·0	+1·0
30	HS	E	E	4 1 16·54	−0·04	C	+18 44 21·2	+0·8
July 3	HS	W	E	4 15 49·56	+0·02	C	+19 29 7·3	+0·3
5	M	W	E	4 25 37·24	+0·04	.....	+19 57	.....
13	HS	W	E	5 5 29·74	−0·01	C	+21 26 42·9	−0·5
14	RM	W	E	5 10 33·04	−0·05	C	+21 35 34·2	+0·7
16	M	W	E	5 20 42·32	+0·04	.....	+21 52	.....
19	RM	W	E	5 36 1·75	+0·01	C	+22 11 6·8	+0·8
23	RM	W	E	5 56 36·62	−0·04	C	+22 28 47·8	+1·3
24	CS	W	E	6 1 46·80	+0·07	.....	+22 32	.....
26	M	W	E	6 12 8·15	−0·00	N	+22 35 31·2	−0·9
27	RM	W	E	6 17 19·33	−0·09	C	+22 36 32·4	+0·7
Aug. 5	RM	W	E	7 4 8·60	−0·00	C	+22 16 41·5	−0·3
1927 April 11	CS	E	W	3 25 37·27	+0·12	S	+19 37 19·8	−1·6
13	HS	E	.....	3 35	.....	C	+20 17 58·5	−0·3
14	M	E	W	3 40 20·24	+0·16	.....	+20 38	.....
16	CS	E	W	3 50 13·34	+0·07	S	+21 14 57·2	−0·5
20	CS	E	W	4 10 10·16	+0·08	S	+22 23 6·1	−1·2
27	M	E	W	4 45 33·57	+0·04	N	+23 59 19·9	+1·2
28	HS	E	W	4 50 39·52	+0·18	C	+24 10 31·8	+0·3
May 3	HS	W	W	5 16 14·41	−0·06	C	+24 56 41·1	+0·3
June 1	RM	W	.....	7 42	.....	C	+23 50 20·2	−0·7
13	M	W	W	8 36 23·32	+0·08	N	+20 52 36·3	−0·6
15	RM	W	W	8 45 1·92	+0·18	C	+20 16 18·7	+1·1
24	RM	W	W	9 22 2·54	+0·07	C	+17 13 50·5	−0·3
29	RM	W	W	9 41 13·04	+0·24	C	+15 21 28·8	+2·4
July 11	HS	E	W	10 22 45·04	−0·07	N	+10 31 22·6	−1·0
18	M	E	W	10 43 41·27	+0·06	.....	+ 7 37	.....
19	HS	E	W	10 46 27·16	−0·22	N	+ 7 11 42·8	−1·1
20	RM	E	W	10 49 9·94	+0·13	C	+ 6 46 54·8	+1·1
Aug. 2	CS	E	W	11 18 13·42	−0·14	N	+ 1 37 48·6	+0·5
5	M	W	W	11 23 0·49	+0·10	N	+ 0 32 59·2	+0·5
6	CS	W	W	11 24 24·33	−0·16	N	+ 0 12 12·8	+1·0
9	CS	W	W	11 27 59·51	−0·14	N	− 0 47 15·0	−0·2
12	RM	W	W	11 30 34·91	−0·07	.....	− 1 42	.....
24	M	W	W	11 29 29·35	−0·10	.....	− 4 8	.....
26	RM	W	W	11 27 24·49	−0·14	.....	− 4 18	.....

VENUS—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
Sept. 16	HS	E	E	10 46 6·64	−0·21	N	− 1 18 9·8	+0·5
20	RM	E	E	10 39 28·48	−0·06	C	− 0 7 39·1	+1·0
24	RM	E	E	10 34 57·08	−0·16	C	+ 1 0 14·5	−0·7
Oct. 10	HS	W	.....	10 41	.....	S	+ 3 50 49·0	+0·8
13	RM	W	E	10 45 22·04	+0·04	C	+ 3 59 28·5	−4·3
14	HS	W	E	10 47 11·56	+0·12	S	+ 4 0 46·4	−1·0
Dec. 6	CS	E	E	13 45 20·19	+0·14	S	− 8 22 3·8	−2·4
1928 Jan. 5	CS	W	.....	16 1	.....	S	−18 13 3·3	−2·0
12	RM	W	E	16 35 36·68	−0·09	C	−19 51 20·0	−3·5
26	RM	W	E	17 47 15·01	+0·01	.....	−21 52	.....
31	M	W	E	18 13 23·00	−0·01	C	−22 7 1·3	+2·1
Feb. 2	HS	W	E	18 23 52·56	−0·07	C	−22 8 32·1	+3·5
13	M	W	E	19 21 38·17	+0·10	N	−21 30 59·6	−0·7
21	RM	W	E	20 3 13·50	−0·13	N	−20 15 24·0	−0·3
Mar. 1	RM	W	E	20 49 4·54	−0·15	C	−18 5 18·5	+1·8
6	RM	W	E	21 14 0·64	+0·16	C	−16 34 31·7	+1·6
8	CS	W	E	21 23 51·94	+0·06	N	−15 54 51·8	+0·7
10	RM	W	.....	21 34	.....	C	−15 13 25·8	+0·9
15	RM	W	E	21 57 50·70	−0·06	C	−13 22 30·9	+2·0
23	M	W	.....	22 36	.....	C	−10 6 28·2	+0·5
April 10	HS	W	E	23 58 18·35	−0·09	N	− 1 49 45·0	+2·4
11	CS	W	.....	0 3	.....	N	− 1 20 53·1	+2·6
16	M	W	E	0 25 25·28	+0·15	C	+ 1 3 58·3	−2·6
21	M	W	.....	0 48	.....	N	+ 3 28 57·2	+0·7
27	M	W	E	1 15 16·66	+0·16	N	+ 6 20 45·5	+0·7
May 7	RM	E	E	2 1 21·67	+0·07	C	+10 55 26·9	+0·4
8	M	E	E	2 6 2·19	+0·20	C	+11 21 44·8	−0·0
9	HS	E	C	2 10 43·37	+0·16	N	+11 47 44·5	−3·1
11	RM	E	E	2 20 8·35	+0·04	S	+12 39 6·5	+2·9
July 30	CS	W	W	9 12 48·24	+0·10	S	+17 32 6·0	−2·3
Aug. 20	CS	E	W	10 52 56·28	−0·01	S	+ 8 40 14·0	−1·2
22	CS	E	W	11 2 7·39	+0·03	C	+ 7 42 28·0	−0·7
Sept. 24	CS	W	W	13 31 11·63	−0·07	.....	− 8 59	.....
Oct. 6	CS	W	W	14 27 9·06	+0·01	N	−14 34 2·2	−2·3
8	CS	W	W	14 36 42·47	+0·18	N	−15 25 38·5	−2·3
13	CS	W	W	15 0 55·34	−0·12	N	−17 27 52·7	+0·0
Nov. 9	CS	W	W	17 19 55·62	−0·15	N	−24 40 21·9	+0·0
23	CS	W	W	18 35 14·51	+0·08	N	−25 10 37·4	+0·5
27	RM	W	W	18 56 37·73	+0·20	C	−24 52 25·9	+1·8
29	M	W	W	19 7 15·06	+0·13	C	−24 38 57·7	+1·2
Dec. 7	HS	W	W	19 49 5·61	−0·16	C	−23 16 47·8	+2·6
18	CS	W	W	20 44 21·39	−0·01	S	−20 16 25·7	−0·7
1929 Jan. 2	HS	W	W	21 54 23·24	+0·09	.....	−14 30	.....
4	RM	E	W	22 3 14·73	+0·23	C	−13 36 56·0	−1·9
7	M	E	W	22 16 19·33	+0·10	S	−12 15 11·6	+2·2

VENUS—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
8	RM	E	W	22 20 37·72	+0·15	C	−11 47 27·6	−1·0
Feb. 4	HS	E	W	0 7 17·49	+0·09	S	+ 1 37 30·7	+0·6
12	M	W	W	0 35 26·40	−0·02	S	+ 5 35 18·8	+0·4
13	RM	W	W	0 38 50·25	+0·02	C	+ 6 4 20·3	−1·4
18	HS	W	W	0 55 21·61	−0·04	S	+ 8 26 29·5	−1·1
20	RM	W	W	1 1 44·08	+0·04	C	+ 9 21 39·3	−0·8
22	M	W	W	1 7 57·48	−0·06	S	+10 15 43·9	+2·3
25	HS	W	W	1 16 59·35	−0·12	S	+11 34 23·3	−0·2
Mar. 22	HS	W	W	2 9 55·31	−0·13	S	+19 48 15·2	−0·7
26	HS	W	W	2 12 34·74	−0·21	S	+20 27 13·5	−1·4
April 3	HS	W	W	2 10 55·96	−0·16	S	+20 53 5·7	+0·1
May 13	HS	E	E	1 18 40·01	+0·03	N	+ 9 28 43·6	+0·7
17	M	E	E	1 22 4·29	+0·14	N	+ 8 58 47·6	−1·0
20	HS	E	E	1 25 52·78	−0·04	N	+ 8 47 30·5	+0·1
22	RM	E	E	1 28 57·62	+0·01	N	+ 8 44 52·8	−1·5
25	RM	E	.....	1 34	.....	N	+ 8 47 48·1	−1·9
29	RM	E	.....	1 43	.....	N	+ 9 3 10·3	−0·2
30	HS	E	E	1 45 1·66	+0·03	.....	+ 9 9	.....
31	M	E	.....	1 47	.....	N	+ 9 15 11·8	+0·9
June 4	HS	E	E	1 57 37·02	+0·03	N	+ 9 46 36·8	+0·2
10	RM	W	E	2 14 46·89	+0·13	N	+10 48 43·5	+1·3
17	RM	W	E	2 37 8·51	−0·05	N	+12 16 58·2	−0·6
18	HS	W	E	2 40 31·23	+0·06	N	+12 30 33·8	+1·1
21	HS	W	E	2 50 54·31	+0·18	N	+13 12 14·1	+1·4
24	RM	W	E	3 1 38·66	−0·18	N	+13 54 54·4	+0·1
26	M	W	E	3 9 0·29	+0·10	N	+14 23 39·5	−1·2
July 10	CS	E	E	4 4 22·46	+0·15	N	+17 39 7·8	+1·1
11	M	E	E	4 8 33·94	+0·13	N	+17 51 56·6	−0·3
12	RM	E	E	4 12 47·14	+0·09	N	+18 4 30·8	−2·5
15	RM	E	E	4 25 37·03	−0·01	N	+18 40 51·7	+1·5
16	RM	E	E	4 29 57·12	+0·08	N	+18 52 21·8	−0·6
17	HS	E	E	4 34 18·77	+0·08	N	+19 3 37·9	+1·2
19	RM	E	E	4 43 6·85	+0·07	N	+19 25 8·3	+0·2
20	HS	E	E	4 47 33·29	+0·11	N	+19 35 24·9	+1·4
24	HS	E	E	5 5 34·02	+0·15	N	+20 12 47·1	−0·1
Aug. 2	HS	E	E	5 47 24·58	+0·16	N	+21 12 31·9	+0·3
6	M	E	E	6 6 29·30	+0·04	C	+21 26 46·5	+1·5
8	HS	E	.....	6 16	.....	N	+21 30 45·3	−1·0
15	HS	E	E	6 50 10·26	+0·07	C	+21 27 49·7	−0·3
19	HS	E	E	7 9 48·40	+0·18	C	+21 13 53·6	−0·0
20	M	E	E	7 14 43·56	+0·09	N	+21 8 57·0	−2·3
21	RM	E	E	7 19 39·04	+0·13	S	+21 3 29·3	−1·3
24	RM	E	E	7 34 26·11	+0·10	S	+20 43 39·9	+0·8
30	M	E	E	8 3 59·71	+0·02	S	+19 48 35·3	+1·1
Sept. 12	RM	W	E	9 7 24·51	+0·04	S	+16 42 5·2	+0·2

VENUS—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
				h	m	s	s		°	′	″	″
23	RM	W	E	9	59	52·12	+0·03	S	+13	0	47·4	−0·2
24	HS	W	.....	10	5		.....	S	+12	38	10·9	−1·0
Oct. 1	HS	E	E	10	37	16·43	+0·02	S	+ 9	50	8·8	−2·5
5	HS	W	E	10	55	46·11	+0·16	S	+ 8	7	23·4	−1·4
7	RM	W	E	11	4	58·04	−0·01	S	+ 7	14	28·7	+0·7
10	RM	W	E	11	18	43·58	+0·20	S	+ 5	53	22·1	+0·5
15	M	E	E	11	41	33·23	−0·09	S	+ 3	34	26·9	+0·1
19	M	E	E	11	59	46·57	+0·04	S	+ 1	40	46·6	+0·2
Nov. 5	CS	E	W	13	17	40·58	+0·08	S	− 6	29	11·1	−2·5
22	HS	W	E	14	38	26·76	−0·00	S	−14	3	38·6	+0·4
25	HS	W	E	14	53	11·82	+0·07	C	−15	15	21·9	−1·4
29	HS	W	E	15	13	8·29	+0·20	N	−16	45	30·8	−0·9
Dec. 9	CS	W	.....	16	4		.....	S	−19	58	19·5	−0·5
1930 Mar. 15	HS	W	E	0	14	48·16	+0·15	N	+ 0	13	39·5	−2·0
20	CS	W	W	0	37	28·97	+0·13	S	+ 2	47	8·0	+1·0
April 4	CS	E	W	1	46	10·53	−0·06	S	+10	13	20·1	−0·1
9	CS	E	W	2	9	33·46	−0·03	.....	+12	32		.....
14	CS	E	W	2	33	17·65	−0·02	S	+14	43	28·0	−3·1
16	CS	E	W	2	42	54·10	+0·01	S	+15	33	33·8	−1·4
28	CS	E	W	3	42	2·48	−0·12	S	+19	57	57·4	−1·8
May 9	M	W	W	4	38	29·92	+0·17	N	+20	16	49·8	−0·5
12	M	W	W	4	54	12·41	+0·15	N	+23	28	32·5	−1·1
23	M	W	W	5	52	31·15	+0·21	S	+24	44	6·4	+1·7
June 2	M	W	W	6	45	42·52	+0·20	N	+24	37	58·9	+0·5
11	M	E	W	7	32	48·57	+0·02	C	+23	32	4·3	−0·1
12	M	E	W	7	37	58·07	+0·13	C	+23	21	22·9	+0·5
19	M	E	.....	8	13		.....	C	+21	48	44·1	−0·6
23	HS	E	W	8	33	21·19	+0·11	N	+20	42	41·4	−0·0
25	CS	E	W	8	42	6·84	+0·05	N	+20	6	21·3	+0·5
July 4	HS	E	W	9	25	55·23	+0·02	N	+16	58	14·1	+0·6
10	RM	W	W	9	53	20·18	+0·19	N	+14	33	30·6	−1·0
15	CS	W	W	10	15	31·87	+0·22	N	+12	23	23·3	+1·8
17	RM	W	W	10	24	15·08	+0·09	N	+11	29	12·6	+0·4
Aug. 5	M	E	.....	11	43		.....	N	+ 2	14	48·5	−0·6
11	CS	E	W	12	7	16·43	−0·16	N	− 0	47	40·1	+1·3
21	CS	E	W	12	46	15·52	−0·00	N	− 5	50	2·6	−0·4
25	CS	E	W	13	1	37·91	+0·08	N	− 7	48	30·2	+0·2
Sept. 3	RM	W	W	13	35	48·19	−0·03	N	−12	5	20·7	+0·7
4	M	W	W	13	39	33·89	+0·12	N	−12	32	51·0	−1·4
19	HS	W	W	14	34	42·04	+0·07	N	−18	49	47·9	−3·0
22	M	W	W	14	45	19·78	+0·15	N	−19	55	49·0	−4·0
Oct. 3	RM	W	W	15	22	8·53	+0·07	N	−23	24	36·8	−1·7
6	M	W	W	15	31	19·64	+0·12	N	−24	11	33·6	−3·1
10	M	E	W	15	42	45·84	+0·07	N	−25	6	48·2	−3·8
13	M	E	W	15	50	36·84	+0·01	N	−25	42	28·1	−3·9

VENUS—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
				h	m	s	s		°	′	″	″
14	CS	E	W	15	53	4·44	+0·10	N	−25	53	10·7	−1·7
21	CS	E	W	16	7	37·49	−0·06	N	−26	51	26·5	+0·6
22	M	E	.....	16	9		.....	N	−26	57	12·8	+0·1
29	M	E	W	16	17	0·70	−0·04	N	−27	17	19·1	−2·7
Dec. 4	RM	W	E	15	25	10·77	+0·02	N	−18	16	48·8	+1·8
15	M	W	E	15	21	40·45	+0·11	S	−15	49	6·1	+4·5
17	M	W	E	15	23	2·54	+0·04	S	−15	36	24·8	+0·9
22	M	W	E	15	28	51·08	−0·10	S	−15	22	26·5	+1·4
1931 Jan. 28	RM	E	E	17	21	45·96	+0·08	.....	−19	20		.....
Feb. 2	CS	E	E	17	42	50·46	+0·16	C	−19	50	14·0	+0·5
10	CS	E	.....	18	18		.....	S	−20	20	1·8	+0·4
23	M	E	E	19	18	32·47	−0·01	N	−20	5	42·9	−1·2
24	M	E	E	19	23	16·34	+0·05	N	−20	1	2·0	−1·0
28	CS	E	E	19	42	15·65	+0·21	S	−19	36	59·4	−0·8
Mar. 5	M	E	E	20	6	4·21	+0·02	.....	−18	55		.....
7	M	W	E	20	15	36·01	+0·01	N	−18	34	26·9	−1·6
23	HS	W	.....	21	31		.....	N	−14	38	16·2	+1·0
April 14	RM	E	E	23	11	29·64	+0·08	N	− 6	26	42·5	−0·8
16	RM	E	E	23	20	25·10	+0·01	N	− 5	35	24·2	−0·8
18	RM	E	E	23	29	19·33	+0·08	N	− 4	43	21·0	+0·0
20	M	E	E	23	38	12·30	+0·07	C	− 3	50	38·7	+1·0
21	RM	E	E	23	42	38·35	+0·01	N	− 3	24	7·7	−1·4
22	M	E	E	23	47	4·14	−0·09	N	− 2	57	27·4	−2·4
24	M	E	E	23	55	55·56	+0·08	N	− 2	3	41·6	+0·2
May 1	M	E	E	0	26	52·72	+0·07	N	+ 1	6	46·8	−2·1
4	M	E	E	0	40	9·58	−0·03	N	+ 2	29	0·0	−0·9
5	HS	E	E	0	44	35·68	+0·03	N	+ 2	56	25·6	+1·0
6	M	W	E	0	49	2·08	+0·13	N	+ 3	23	45·6	−1·6
9	HS	W	E	1	2	22·79	+0·08	N	+ 4	45	43·5	+2·5
12	HS	W	E	1	15	47·10	+0·13	N	+ 6	7	1·9	+2·5
13	M	W	E	1	20	15·96	−0·03	N	+ 6	33	52·9	−1·7
15	M	W	E	1	29	15·57	−0·04	N	+ 7	27	22·0	−2·1
18	M	W	E	1	42	49·47	+0·06	C	+ 8	46	35·7	−0·4
19	HS	W	E	1	47	22·10	+0·12	N	+ 9	12	43·0	+2·3
20	M	W	E	1	51	55·21	−0·02	N	+ 9	38	32·6	−1·6
21	HS	W	E	1	56	29·28	+0·08	.....	+10	4		.....
22	M	W	E	2	1	4·08	+0·15	N	+10	29	46·3	+0·5
26	HS	W	E	2	19	31·07	+0·17	N	+12	9	30·6	+1·2
28	HS	W	E	2	28	49·79	+0·18	N	+12	57	51·6	+2·2
30	HS	W	.....	2	38		.....	N	+13	45	3·0	+2·0
June 1	RM	W	E	2	47	38·58	+0·03	.....	+14	31		.....
2	M	W	E	2	52	23·36	+0·05	N	+14	53	27·8	−0·8
4	M	E	E	3	1	56·02	+0·01	N	+15	37	25·0	−0·3
11	M	E	E	3	35	54·99	−0·07	C	+17	59	6·7	+0·8
13	M	E	E	3	45	47·66	−0·09	C	+18	35	45·0	+1·6

VENUS—*Continued*

Date		Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
					h	m	s	s		°	′	″	″
	16	M	E	E	4	0	45·12	−0·01	C	+19	27	7·9	+1·6
	19	RM	E	E	4	15	52·44	+0·13	N	+20	13	57·1	−0·3
	20	M	E	E	4	20	56·86	+0·05	N	+20	28	28·7	−2·2
	24	RM	W	E	4	41	24·86	+0·03	N	+21	21	13·2	+0·0
	27	M	W	E	4	56	55·67	−0·05	C	+21	54	41·0	+0·4
	29	RM	W	.....	5	7		.....	N	+22	13	57·8	+0·2
	30	CS	W	.....	5	13		.....	S	+22	22	40·3	−0·1
July	8	RM	W	E	5	54	45·99	−0·05	S	+23	9	16·4	+1·1
	17	RM	W	E	6	42	40·73	+0·12	S	+23	10	25·1	−1·7
	24	M	W	E	7	19	50·74	−0·05	N	+22	33	12·8	−1·5
Aug.	4	RM	E	E	8	17	21·14	+0·15	S	+20	29	54·9	+0·7
	5	RM	E	E	8	22	29·70	−0·18	N	+20	14	57·0	−1·9
	8	HS	W	E	8	37	51·02	+0·07	N	+19	26	46·2	+2·2
Nov.	19	M	E	.....	16	55		.....	C	−23	15	29·7	−0·9
Dec.	30	M	W	.....	20	36		.....	S	−20	24	39·4	+1·2
1932 Jan.	22	M	W	W	22	28	2·15	+0·12	S	−11	14	23·3	+2·9
	25	M	W	W	22	41	48·11	+0·04	S	− 9	48	5·3	+2·8
Feb.	1	CS	W	W	23	13	19·93	−0·01	S	− 6	18	47·3	−2·5
	15	CS	E	.....	0	15		.....	S	+ 0	58	55·0	−1·1
	18	RM	E	W	0	27	31·99	−0·01	S	+ 2	33	27·7	+0·6
	23	RM	E	W	0	49	1·43	+0·01	S	+ 5	9	46·9	+1·1
Mar.	3	RM	W	W	1	27	41·89	+0·22	S	+ 9	43	18·3	+2·1
	12	CS	W	W	2	6	38·26	−0·02	S	+13	59	38·3	−1·0
	15	M	W	W	2	19	43·05	+0·15	S	+15	19	54·4	+2·2
	17	M	W	W	2	28	27·87	+0·16	S	+16	11	39·6	+1·8
	18	RM	W	W	2	32	50·64	+0·02	S	+16	36	54·7	−3·2
	23	M	W	W	2	54	50·36	+0·24	S	+18	37	47·1	+2·1
	29	M	W	W	3	21	23·00	+0·08	S	+20	48	33·8	+2·1
April	4	RM	W	W	3	48	1·39	−0·01	S	+22	42	8·1	+0·4
	14	CS	W	W	4	32	10·15	−0·02	S	+25	9	8·7	−1·2
	20	RM	W	W	4	58	3·74	+0·09	S	26	10	26·8	+1·4
	22	RM	W	W	5	6	30·96	+0·03	S	26	26	18·4	+1·7
May	9	M	E	W	6	12	11·35	+0·08	S	27	13	6·2	+3·2
	16	M	E	W	6	34	10·47	+0·06	S	26	51	44·9	+3·1
	17	HS	E	W	6	36	58·15	−0·16	N	26	47	4·5	+1·2
	18	RM	E	W	6	39	40·45	−0·01	C	26	42	4·2	+0·8
	19	M	E	W	6	42	16·72	+0·11	N	26	36	40·9	−1·5
	23	HS	E	.....	6	52		.....	C	26	12	7·6	+0·5
June	1	RM	E	W	7	5	20·74	−0·09	N	25	1	24·7	−0·9
	2	M	E	W	7	6	9·48	+0·01	N	24	52	29·5	−1·8
	6	M	E	W	7	7	47·52	−0·06	N	24	15	12·4	−0·8
	15	CS	W	W	7	1	27·65	−0·07	.....	22	43		.....
	17	RM	W	W	6	58	11·46	−0·12	.....	22	21		.....
	18	CS	W	W	6	56	19·80	−0·02	.....	22	10		.....
	20	M	W	W	6	52	11·63	+0·07	.....	21	48		.....

VENUS—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre			Corr. to A.E.	Limb	App. Decl. of centre			Corr. to A.E.
				h	m	s	s		°	′	″	″
July 8	CS	E	E	6	7	38·05	+0·07	N	18	38	4·4	+0·1
16	M	E	E	5	56	54·89	−0·12	N	17	52	22·4	−1·8
20	M	E	.....	5	55		.....	N	17	42	38·9	−1·0
28	RM	E	E	6	0	5·67	−0·26	.....	17	44		.....
Aug. 15	M	E	E	6	38	49·39	−0·11	N	18	28	49·2	−1·0
16	M	E	E	6	41	49·38	−0·10	N	18	30	42·4	−2·1
20	M	W	E	6	54	29·89	−0·05	N	18	36	4·5	−2·1
22	M	W	E	7	1	12·37	−0·09	S	18	37	14·1	+2·2
23	M	W	E	7	4	38·75	−0·04	.....	18	37		.....
25	RM	W	E	7	11	41·06	+0·11	C	18	36	28·8	+0·0
29	HS	W	E	7	26	19·78	+0·12	C	18	30	34·2	−0·9
Sept. 8	M	W	E	8	5	34·18	−0·10	S	17	47	21·5	+1·0
9	RM	W	E	8	9	39·65	+0·24	S	17	40	32·1	−2·9
10	M	W	E	8	13	46·05	+0·04	S	17	33	23·2	+1·4
12	RM	W	E	8	22	3·33	+0·16	S	17	17	30·9	−0·5
15	M	W	.....	8	35		.....	N	16	50	11·4	−1·7
16	RM	W	E	8	38	51·62	+0·04	S	16	40	10·8	+0·8
17	M	W	E	8	43	6·20	−0·02	S	16	29	39·0	+0·7
20	RM	W	E	8	55	55·18	−0·02	S	15	55	11·9	+0·2
24	M	W	E	9	13	10·23	+0·02	S	15	2	40·1	+0·1
29	M	W	.....	9	35		.....	S	13	46	39·6	−1·0
Oct. 14	CS	W	E	10	40	38·49	+0·27	S	8	56	49·9	−0·1
15	RM	W	E	10	45	1·94	+0·26	S	8	34	36·5	+0·0
19	CS	W	E	11	2	36·14	+0·20	S	7	2	35·9	−2·8
22	RM	W	E	11	15	47·20	+0·08	S	5	50	41·9	−1·8
24	M	W	E	11	24	34·96	+0·05	S	5	1	34·1	+2·1
27	M	W	E	11	37	47·29	−0·00	S	3	46	5·5	+0·3
Nov. 4	M	W	E	12	13	6·79	+0·01	S	0	17	23·6	+1·2
9	M	E	E	12	35	19·83	+0·12	S	− 1	56	39·4	−0·8
17	RM	E	E	13	11	15·60	+0·08	S	− 5	32	34·4	−1·1
22	RM	E	.....	13	34		.....	S	− 7	46	3·9	−1·0
28	CS	E	E	14	1	50·47	−0·04	.....	−10	22		.....
30	M	E	E	14	11	13·50	+0·01	S	−11	12	31·4	+3·4
Dec. 3	CS	E	.....	14	25		.....	S	−12	26	39·8	−3·0
15	M	E	.....	15	24		.....	S	−16	54	59·8	+0·2
1932 Dec. 22	M	E	E	15	59	14·97	−0·02	S	−19	4	41·7	+0·9
1933 Jan. 4	M	W	.....	17	7		.....	S	−21	56	0·3	+1·0
23	RM	W	E	18	50	7·64	+0·11	N	−22	49	19·5	−2·5
24	RM	W	E	18	55	32·85	+0·14	N	−22	45	5·8	+1·1
25	M	W	E	19	0	57·62	+0·08	C	−22	40	17·5	−2·3
30	RM	W	E	19	27	54·44	−0·00	C	−22	5	33·3	+3·1
Feb. 15	M	E	E	20	51	51·72	−0·07	C	−18	26	47·4	+1·3
17	M	E	E	21	2	2·63	−0·04	C	−17	49	3·1	+0·6
27	M	E	.....	21	52		.....	S	−14	11	36·1	+1·1
Mar. 13	M	E	E	22	58	28·68	−0·18	C	− 8	4	46·2	+1·3

VENUS—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
18	M	W	E	23 21 38·83	+0·21	N	− 5 41 47·5	−0·6
23	M	W	E	23 44 34·70	−0·17	.....	− 3 15	.....
24	RM	W	E	23 49 8·90	−0·01	N	− 2 45 12·7	−2·4
25	RM	W	E	23 53 42·67	+0·02	S	− 2 15 25·3	−2·7
29	M	W	E	0 11 55·16	−0·06	C	− 0 15 36·8	+0·9
30	M	W	E	0 16 27·74	−0·23	C	+ 0 14 21·6	−1·7
June 1	RM	W	W	5 23 32·48	+0·12	S	+23 42 23·7	+1·0
12	M	E	.....	6 23	.....	C	+24 16 16·2	+0·6
16	CS	E	C	7 44 7·89	+0·08	C	+24 7 3·9	−1·5
22	M	W	W	7 16 10·70	+0·22	C	+23 32 0·6	+1·5
23	RM	W	.....	7 21	.....	C	+23 23 39·9	−1·5
26	M	W	W	7 37 19·12	+0·24	S	+22 53 45·8	+2·3
29	M	W	W	7 53 1·10	+0·22	C	+22 19 48·3	+1·2
July 3	M	W	W	8 13 42·35	+0·19	N	+21 24 14·1	−2·4
5	CS	W	W	8 23 55·83	+0·11	C	+20 52 51·4	−0·2
12	CS	W	.....	8 59	.....	S	+18 45 1·5	−1·1
22	CS	W	W	9 47 32·16	+0·01	N	+15 0 7·2	−0·8
25	RM	W	W	10 1 40·01	+0·03	N	+13 44 28·3	−0·3
28	RM	W	W	10 15 37·51	+0·14	.....	+12 26	.....
31	RM	W	W	10 29 25·12	+0·20	C	+11 3 54·7	−1·2
Aug. 2	CS	W	W	10 38 31·58	+0·06	.....	+10 8	.....
16	RM	E	W	11 40 47·42	+0·22	.....	+ 3 13	.....
21	RM	E	W	12 2 35·84	+0·03	N	+ 0 39 0·6	+0·5
1934 Feb. 21	M	W	E	20 34 34·22	−0·07	.....	−10 38	.....
27	RM	W	E	20 34 14·29	+0·02	N	−11 23 28·7	+2·1
Mar. 8	M	W	E	20 44 0·17	−0·20	N	−12 8 9·7	−2·0
9	RM	W	E	20 45 44·90	+0·04	N	−12 10 54·2	−2·7
10	M	W	E	20 47 36·15	−0·06	N	−12 13 9·2	−3·3
12	M	W	E	20 51 38·18	−0·22	N	−12 16 5·0	−0·6
15	M	W	E	20 58 26·31	−0·08	N	−12 16 44·1	−2·3
19	M	W	E	21 8 43·24	−0·01	N	−12 10 12·5	+0·0
22	M	W	.....	21 17	.....	N	−11 59 44·1	+2·4
23	RM	W	E	21 20 10·44	+0·02	N	−11 55 15·1	−1·2
28	HS	W	E	21 35 49·84	+0·02	N	−11 24 31·4	+2·1
April 5	M	E	E	22 3 13·79	−0·12	N	−10 8 30·0	−1·3
9	M	E	E	22 17 44·08	−0·07	N	− 9 18 38·6	−1·3
10	HS	E	E	22 21 25·69	+0·10	N	− 9 4 59·1	+1·1
13	HS	E	E	22 32 37·82	−0·05	N	− 8 21 29·7	+1·1
18	RM	E	E	22 51 40·68	+0·19	N	− 7 0 46·7	+1·1
20	M	E	.....	22 59	.....	N	− 6 25 51·4	−1·0
April 28	RM	E	E	23 30 46·93	−0·04	N	− 3 52 37·1	−0·5
30	M	E	E	23 38 44·04	−0·02	N	− 3 11 21·6	−1·2
May 1	RM	E	E	23 42 43·57	+0·09	N	− 2 50 19·7	−0·8
4	RM	E	E	23 54 45·11	+0·05	N	− 1 45 47·6	+0·7
8	RM	E	E	0 10 54·80	+0·04	N	− 0 16 51·7	−1·2

VENUS—*Continued*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
12	M	E	E	0 27 12·78	−0·10	N	+ 1 14 43·5	−1·5
15	RM	E	E	0 39 32·03	−0·03	N	+ 2 25 45·3	−0·7
23	M	E	E	1 12 48·71	+0·05	N	+ 5 34 28·0	−1·3
25	M	E	E	1 21 14·31	+0·02	N	+ 6 22 6·1	−1·6
26	M	E	E	1 25 28·26	+0·08	N	+ 6 45 54·6	−0·4
28	HS	E	E	1 33 58·24	+0·01	C	+ 7 33 32·6	−0·7
30	M	E	E	1 42 31·52	+0·06	N	+ 8 20 35·8	−1·1
June 2	HS	E	E	1 55 27·82	+0·12	N	+ 9 30 52·5	−1·2
5	M	E	E	2 8 31·90	−0·14	N	+10 40 0·1	−2·7
8	CS	E	E	2 21 45·00	+0·07	.....	+11 48	.....
16	HS	E	E	2 57 44·29	+0·10	N	+14 37 41·6	+1·0
18	M	E	E	3 6 54·68	−0·09	N	+15 20 0·0	−2·2
20	HS	E	E	3 16 10·00	+0·15	N	+15 59 12·5	+1·6
23	HS	E	E	3 30 11·05	−0·01	N	+16 55 27·2	+2·3
25	M	E	E	3 39 37·63	−0·03	N	+17 31 7·2	+0·3
27	HS	E	E	3 49 9·13	+0·17	N	+18 5 18·5	+1·8
July 3	M	E	.....	4 18	.....	N	+19 37 39·3	−0·4
9	HS	E	E	4 47 53·33	+0·11	N	+20 53 3·7	−0·7
14	CS	E	E	5 13 5·85	+0·17	.....	+21 41	.....
16	HS	E	.....	5 23	.....	C	+21 56 48·2	+0·9
17	M	E	.....	5 28	.....	C	+22 3 38·5	+2·3
18	CS	E	E	5 33 30·75	+0·15	.....	+22 10	.....
23	HS	E	E	5 59 16·47	+0·08	N	+22 31 49·6	−1·0
25	HS	E	E	6 9 38·32	+0·14	N	+22 36 19·5	+0·9
26	CS	E	E	6 14 49·84	+0·22	.....	+22 38	.....
27	HS	E	E	6 20 1·53	+0·12	C	+22 38 15·0	+0·2
Aug. 10	M	E	.....	7 33	.....	S	+21 39 57·9	+1·3
11	HS	E	E	7 38 2·58	+0·12	C	+21 30 59·8	+0·0
17	RM	E	E	8 8 54·59	+0·02	N	+20 24 25·3	−0·4
20	HS	E	E	8 24 11·92	+0·14	N	+19 43 8·1	+0·5
21	RM	E	E	8 29 15·80	−0·21	C	+19 28 11·5	−1·3
23	HS	E	E	8 39 22·29	+0·18	N	+18 56 43·5	+0·3
25	M	E	E	8 49 24·85	−0·07	S	+18 23 5·0	+1·8
30	HS	E	.....	9 14	.....	C	+16 49 48·4	−1·3
31	RM	E	E	9 19 12·72	+0·02	S	+16 29 42·5	+0·2
Sept. 11	HS	E	E	10 12 27·82	+0·04	C	+12 19 44·3	−0·6
12	RM	E	E	10 17 13·21	+0·06	S	+11 54 41·9	−1·1
19	RM	E	.....	10 50	.....	S	+ 8 50 46·0	+0·9
21	HS	E	E	10 59 28·48	−0·00	C	+ 7 55 43·4	−0·2
26	RM	E	E	11 22 36·48	+0·12	S	+ 5 34 20·9	+0·0
28	HS	E	E	11 31 48·68	+0·06	C	+ 4 36 29·7	−0·8
Oct. 4	M	E	E	11 59 19·22	−0·06	S	+ 1 39 49·4	−0·8
13	HS	E	E	12 40 32·49	+0·01	C	− 2 49 19·3	−0·2
1935 Feb. 5	RM	W	W	22 28 58·00	−0·10	N	−11 8 28·0	−1·1
11	M	E	W	22 57 0·00	−0·01	C	− 8 16 0·4	−1·0

VENUS—*Concluded*

Date	Obsr.	Clamp	Limb	App. R.A. of centre	Corr. to A.E.	Limb	App. Decl. of centre	Corr. to A.E.
				h m s	s		° ′ ″	″
Feb. 20	M	E	W	23 38 8·73	+0·16	C	− 3 43 46·8	−1·2
Mar. 7	M	E	.....	0 46	.....	C	+ 4 3 39·0	−1·6
14	M	E	W	1 17 1·24	+0·16	S	+ 7 37 51·9	+0·9
18	M	E	W	1 35 8·96	+0·11	S	+ 9 36 44·4	0·0
20	RM	E	W	1 44 15·96	+0·09	S	+10 34 53·8	−1·4
25	M	E	W	2 7 15·00	+0·17	S	+12 55 53·4	−0·3
26	RM	E	W	2 11 52·84	+0·02	.....	+13 23	.....
April 3	M	E	.....	2 49	.....	C	+16 49 31·9	+2·6

CATALOGUE OF 1,589 STARS

OBSERVED IN THE YEARS 1923 TO 1935

REDUCED WITHOUT PROPER MOTION

TO THE

EQUINOX 1925·0

EXPLANATION OF THE SEPARATE COLUMNS

Column 1. The number of the star in this catalogue, the stars being arranged in order of right ascension.

Column 2. The star's name as obtained from the B.H. star list and other catalogues.

Column 3. The magnitude and spectral type as obtained from G.C. and Henry Draper.

Columns 4 and *8.* The mean right ascension and declination as determined at Ottawa, reduced to the equinox 1925·0 without proper motion.

Columns 5 and 6, 9 and 10. The precession and secular variation for the stars given on the basis of 100 years. The values were obtained from other catalogues and are based on Newcomb's precession tables.

Columns 7 and 11. Proper motion in right ascension and declination per 100 years. The proper motions were taken from the G.C. and the First Greenwich Catalogue of Stars 1925·0 for Stars not in the G.C.

Column 12. The numbers indicate the observations in right ascension and declination respectively.

Columns 13 and 14. Mean epochs of observations for right ascension and declination. Where only one figure is given it applies to both.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
1	BD + 13°, 5201...	7·26 F 0	0 0 4·894	+307·29	+ 0·46	+ 0·71	+13 57 41·93	+2004·5	− 0·4	− 1·1	7 8	25·31	25·36
2	BD + 26°, 4744...	6·57 G 5	0 1 9·479	+307·63	+ 0·87	+ 0·50	+27 15 26·94	+2004·4	− 0·5	− 0·5	7 8	26·81	26·96
3	Gr. 4223.....	6·51 A 0	0 1 17·932	+308·03	+ 1·59	− 0·15	+44 48 43·22	+2004·4	− 0·6	− 1·7	6 8	31·13	31·04
4	BD + 39°, 5219...	6·71 G 5	0 2 12·154	+308·36	+ 1·36	+ 0·10	+40 0 4·47	+2004·4	− 0·6	− 0·5	7	26·54	
5	9H Ceti.....	6·06 F 0	0 2 59·946	+306·52	− 0·54	+ 0·72	−23 31 26·96	+2004·3	− 0·7	− 3·9	4 5	31·19	31·20
6	Br. 3213.....	6·33 B 8	0 3 53·523	+307·16	+ 0·03	+ 0·14	− 2 57 58·76	+2004·2	− 0·8	+ 0·3	5 4	25·41	25·33
7	α Andr.....	2·15 A 0	0 4 30·372	+308·72	+ 0·93	+ 1·02	+28 40 34·50	+2004·1	− 0·9	−16·1	9	29·56	
8	β Cass.....	2·42 F 5	0 5 9·958	+312·24	+ 2·64	+ 6·76	+58 44 9·74	+2004·0	− 0·9	−17·8	5	26·82	
9	BD + 16°, 3.....	7·17 G 0	0 5 27·828	+308·26	+ 0·57	− 0·05	+17 7 9·35	+2003·9	− 1·0	−13·5	8 10	26·17	26·00
10	BD + 56°, 11.....	6·54 B 8	0 6 33·205	+313·11	+ 2·47	+ 0·27	+56 44 53·68	+2003·6	− 1·1	+ 0·9	4	26·28	
11	BD − 13°, 13.....	5·94 K 0	0 6 52·389	+306·36	− 0·23	+ 1·04	−12 59 46·60	+2003·6	− 1·1	− 3·2	5 6	27·41	27·50
12	Gr. 7.....	7·15 A 0	0 7 50·066	+317·40	+ 3·64	+ 0·21	+65 42 33·35	+2003·3	− 1·2	+ 0·7	10 11	29·12	29·83
13	γ Pegs.....	2·87 B 2	0 9 22·245	+308·72	+ 0·52	− 0·01	+14 46 0·03	+2002·8	− 1·3	− 1·0	20 39	28·28	28·92
14	BD + 3°, 26.....	7·02 A 0	0 12 6·160	+307·75	+ 0·23	+ 0·06	+ 3 50 5·04	+2001·7	− 1·6	− 1·3	3 2	30·14	30·76
15	BD + 22°, 34.....	7·18 K 0	0 13 1·425	+310·48	+ 0·77	+ 0·26	+22 50 22·97	+2001·2	− 1·7	− 1·2	4	28·47	
16	BD + 11°, 34.....	6·63 G 5	0 14 4·193	+309·08	+ 0·46	− 0·13	+12 21 18·95	+2000·7	− 1·8	− 1·2	6	27·95	
17	Pi 0h, 38.....	5·80 A 0	0 14 42·857	+312·45	+ 1·06	+ 0·47	+31 6 3·39	+2000·3	− 1·9	− 0·1	3	29·49	
18	Br. 13.....	6·04 B 9	0 14 44·445	+315·40	+ 1·62	+ 0·14	+43 22 29·05	+2000·3	− 1·9	− 0·2	4	28·78	
19	BD − 8°, 38.....	6·50 G 0	0 14 50·431	+305·99	− 0·08	+ 2·75	− 8 28 0·33	+2000·3	− 1·9	−13·4	3	31·78	
20	ι Ceti.....	3·75 K 0	0 15 36·405	+305·80	− 0·10	− 0·12	− 9 14 22·52	+1999·8	− 1·9	− 2·9	4 7	27·22	26·03
21	BD − 18°, 41.....	6·88 K 0	0 16 14·695	+304·18	− 0·34	+ 0·36	−18 6 59·35	+1999·4	− 2·0	+ 0·2	4 5	29·07	28·39
22	Br. 23.....	5·72 B 9	0 21 2·294	+323·32	+ 2·30	+ 0·23	+52 37 53·49	+1996·0	− 2·6	− 0·4	8 9	25·17	25·23
23	Pi 0h, 78.....	7·54 M 3	0 24 12·160	+304·27	− 0·15	+ 0·31	−12 4 24·65	+1993·3	− 2·8	− 1·8	2 3	26·78	27·12
24	Br. 33.....	6·46 K 2	0 24 18·638	+311·35	+ 0·60	+ 0·07	+16 1 49·53	+1993·2	− 2·8	− 1·5	7 9	27·97	26·89
25	BD + 9°, 47.....	6·02 F 2	0 24 27·224	+309·73	+ 0·42	+ 0·19	+ 9 46 45·35	+1993·1	− 2·8	−20·5	10 9	26·21	26·46
26	BD − 21°, 57.....	6·41 G 0	0 24 35·442	+301·86	− 0·38	− 0·83	−20 44 50·57	+1992·9	− 2·8	−10·5	7 6	26·68	26·34
27	BD + 63°, 53.....	7·16 A 0	0 25 59·779	+338·76	+ 3·88	+ 0·25	+64 20 4·94	+1991·6	− 3·2	+ 0·8	7 11	27·12	26·86
28	Br. 35.....	5·26 F 0	0 26 9·561	+315·83	+ 1·04	+ 0·28	+29 20 18·30	+1991·4	− 3·0	− 5·3	5 6	24·97	25·09
29	BD + 38°, 68.....	7·05 F 0	0 28 41·991	+320·52	+ 1·45	− 0·04	+38 25 49·69	+1988·8	− 3·3	− 1·8	7	25·39	
30	CD − 26°, 160....	6·87 K 0	0 28 55·232	+299·16	− 0·50	− 0·03	−25 46 20·74	+1988·5	− 3·2	− 4·4	4 5	26·56	26·21
31	13 Ceti.....	5·24 G 0	0 31 23·283	+306·00	+ 0·08	+ 2·74	− 4 0 19·59	+1985·7	− 3·5	− 2·0	48 81	28·80	28·77
32	Br. 54.....	5·86 B 3	0 32 52·615	+312·33	+ 0·59	+ 0·01	+14 49 9·08	+1983·9	− 3·7	− 1·6	4 6	27·86	26·93
33	Pi 0h, 131.....	6·58 K 0	0 33 38·687	+308·21	+ 0·26	+ 0·60	+ 2 43 26·41	+1982·9	− 3·7	− 5·5	3 4	26·15	26·60
34	Br. 48.....	6·40 F 8	0 34 1·945	+449·41	+20·59	− 5·38	+82 4 48·52	+1982·4	− 5·3	+ 9·1	9 8	30·21	30·31
35	Gr. 113.....	5·72 K 2	0 35 0·556	+330·62	+ 2·14	+ 0·04	+48 56 33·51	+1981·1	− 4·1	− 1·0	5 7	26·80	26·65
36	Br. 58.....	6·08 K 0	0 35 27·378	+315·12	+ 0·78	− 3·32	+20 50 45·23	+1980·5	− 4·0	−36·9	10 11	26·18	26·08
37	α Cass.....	* K 0	0 36 14·354	+338·63	+ 2·83	+ 0·60	+56 7 34·97	+1979·5	− 4·3	− 2·9	6 9	29·23	28·34
38	Pi 0h, 144.....	6·46 G 5	0 36 42·848	+300·79	− 0·23	+ 0·23	−16 55 39·57	+1978·8	− 3·9	− 3·4	5 7	29·23	29·39
39	Pi 0h, 146.....	6·12 G 5	0 36 53·222	+305·50	+ 0·08	− 0·12	− 4 45 47·06	+1978·6	− 4·0	− 1·4	5	25·43	
40	β Ceti.....	2·24 K 0	0 39 49·554	+299·60	− 0·26	+ 1·62	−18 23 52·19	+1974·3	− 4·2	+ 4·0	5 7	27·64	26·97
41	BD + 32°, 122....	7·02 A 5	0 39 49·806	+322·23	+ 1·24	+ 0·03	+32 53 59·87	+1974·3	− 4·5	+ 1·4	11 10	26·44	26·58
42	BD + 58°, 101....	6·49 G 5	0 42 19·236	+348·38	+ 3·32	− 0·11	+59 9 53·71	+1970·4	− 5·1	+ 0·3	8	25·33	
43	Br. 80.....	6·20 G 5	0 43 30·746	+310·08	+ 0·38	+ 0·06	+ 6 19 54·62	+1968·5	− 4·7	− 1·1	9 10	26·06	
44	Pi 0h, 184.....	7·06 K 0	0 43 44·135	+319·58	+ 0·98	+ 0·77	+25 52 55·62	+1968·1	− 4·8	+ 1·0	4 5	26·56	26·42
45	BD − 22°, 134....	5·45 B 9	0 44 18·385	+296·84	− 0·34	+ 0·15	−22 7 53·14	+1967·1	− 4·6	− 0·6	3 4	27·52	27·85

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T' (P.M.).
T in centuries from 1925·0, T' in centuries from epoch.

* 37. $2^m.1$ to $2^m.6$

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
46	δ Psc	4·55 K 5	0 44 47·324	+310·55	+ 0·40	+ 0·56	+ 7 10 37·64	+1966·3	− 4·8	− 4·7	20 28	28·89	29·58
47	Br. 86	5·23 F 5	0 45 1·972	+315·03	+ 0·67	− 0·06	+16 32 8·96	+1965·9	− 4·9	−20·1	4 5	26·82	26·43
48	Pi 0h, 198	5·84 K 2	0 45 39·615	+300·70	− 0·13	+ 0·70	−13 58 4·27	+1964·8	− 4·8	− 9·2	4	30·76	
49	BD − 1°, 104	6·80 K 0	0 46 4·424	+306·99	+ 0·20	+ 0·21	− 0 37 56·71	+1964·1	− 4·9	+ 1·4	10 8	30·94	30·59
50	Pi 0h, 196	6·12 A 0	0 46 6·430	+333·61	+ 1·90	+ 0·64	+44 35 37·61	+1964·0	− 5·3	+ 0·5	5	28·79	
51	20 Ceti	4·92 K 0	0 49 10·433	+306·51	+ 0·19	+ 0·03	− 1 33 3·98	+1958·5	− 5·2	− 1·2	7 5	30·36	30·41
52	BD + 36°, 148	6·13 K 0	0 49 20·632	+328·80	+ 1·48	+ 0·08	+37 0 42·81	+1958·2	− 5·5	− 4·5	5	29·83	
53	γ Cass	* B 0	0 52 9·952	+360·17	+ 3·65	+ 0·35	+60 18 39·46	+1952·8	− 6·3	− 0·2	13 12	32·10	31·40
54	BD + 13°, 127	6·83 G 5	0 52 12·818	+314·55	+ 0·60	+ 0·00	+13 32 45·59	+1952·7	− 5·6	− 0·6	7	26·23	
55	CD − 28°, 288	6·20 M 0	0 52 17·290	+291·09	− 0·46	− 0·05	−28 10 53·90	+1952·5	− 5·2	+ 0·6	4	28·60	
56	μ Andr	3·94 A 2	0 52 34·967	+331·10	+ 1·55	+ 1·29	+38 5 35·07	+1951·9	− 5·9	+ 3·4	4 3	25·80	26·09
57	BD + 0°, 149	7·29 G 5	0 53 48·365	+308·03	+ 0·28	+ 0·07	+ 1 22 48·55	+1949·5	− 5·6	+ 1·3	4 5	28·30	28·62
58	BD + 20°, 131	6·41 A 0	0 54 18·884	+319·32	+ 0·84	− 0·06	+20 59 58·27	+1948·4	− 5·9	− 0·1	3 6	30·83	27·97
59	BD − 6°, 176	6·70 K 0	0 54 57·779	+303·78	+ 0·09	+ 0·00	− 6 17 9·69	+1947·1	− 5·7	− 7·4	8	30·72	
60	α Sclp	4·39 B 5	0 54 59·586	+289·12	− 0·48	+ 0·08	−29 45 44·49	+1947·0	− 5·4	+ 0·5	5 4	32·24	32·34
61	BD + 68°, 64	6·67 B 9	0 56 32·603	+392·10	+ 6·07	− 0·04	+68 57 17·29	+1943·8	− 7·4	− 0·1	12 13	29·94	30·21
62	BD − 17°, 180	6·58 G 5	0 57 55·325	+297·28	− 0·15	+ 0·43	−16 40 2·31	+1940·8	− 5·8	− 7·7	5 7	27·39	26·77
63	43H Ceph	4·52 K 0	0 58 11·411	+770·48	+80·23	+ 7·57	+85 51 20·39	+1940·2	−14·5	− 0·5	151 170	30·13	29·48
64	ε Psc	4·45 K 0	0 59 2·857	+311·75	+ 0·45	− 0·55	+ 7 29 12·52	+1938·3	− 6·2	+ 2·9	7 12	28·36	28·06
65	BD + 51°, 220	6·27 K 2	0 59 37·270	+351·44	+ 2·63	+ 0·10	+52 6 3·95	+1937·0	− 7·0	− 5·6	4	27·22	
66	BD + 28°, 174	6·08 F 5	1 0 21·333	+326·77	+ 1·16	+ 0·62	+29 15 32·74	+1935·4	− 6·6	−11·3	4	25·57	
67	106G Ceti	6·29 G 5	1 2 29·778	+290·96	− 0·32	− 0·19	−24 23 34·54	+1930·4	− 6·1	− 4·2	4 4	29·27	27·78
68	Br. 131	6·29 F 2	1 3 51·947	+329·91	+ 1·27	+ 1·56	+31 36 44·10	+1927·1	− 7·0	− 3·4	4 6	29·38	28·70
69	Br. 132	5·63 A 2	1 3 55·507	+320·92	+ 0·84	+ 0·60	+20 20 26·79	+1927·0	− 6·8	− 9·2	4	26·77	
70	Br. 135	5·87 F 2	1 3 59·885	+300·66	+ 0·02	+ 1·00	−10 11 10·14	+1926·8	− 6·4	+ 2·3	2	25·79	
71	BD + 9°, 132	6·90 M 0	1 4 26·388	+313·49	+ 0·51	− 0·05	+ 9 30 29·30	+1925·8	− 6·7	+ 0·7	6 8	25·64	26·92
72	η Ceti	3·60 K 0	1 4 49·049	+300·32	+ 0·01	+ 1·44	−10 34 46·32	+1924·8	− 6·5	−13·2	23 38	30·03	30·27
73	β Andr	2·37 M 0	1 5 31·577	+333·89	+ 1·45	+ 1·45	+35 13 24·67	+1923·1	− 7·3	−11·3	4 5	29·28	27·45
74	Br. 139	5·49 B 8	1 6 47·065	+388·21	+ 4·86	+ 0·38	+64 37 13·53	+1920·0	− 8·5	− 1·1	8 8	30·17	29·48
75	BD + 45°, 291	6·86 K 5	1 6 49·268	+346·76	+ 2·11	+ 0·02	+45 47 8·00	+1919·9	− 7·7	− 2·5	4	29·04	
76	Br. 156	6·93 G 5	1 9 1·103	+302·29	+ 0·10	− 0·40	− 7 10 50·87	+1914·3	− 6·9	− 1·1	6 7	26·26	26·06
77	Br. 165	5·82 F 5	1 10 59·298	+306·30	+ 0·25	− 0·11	− 1 22 28·25	+1909·1	− 7·2	+21·0	6 9	27·76	26·80
78	BD + 38°, 229	6·55 B 9	1 12 59·692	+341·27	+ 1·69	− 0·14	+39 5 7·47	+1903·7	− 8·2	+ 0·5	4	27·08	
79	Gr. 282	7·25 K 5	1 13 19·368	+348·20	+ 2·03	+ 0·05	+44 14 12·73	+1902·8	− 8·4	− 0·5	4	26·73	
80	89 Psc	5·28 A 2	1 13 55·661	+309·66	+ 0·37	− 0·35	+ 3 13 12·13	+1901·1	− 7·6	− 1·9	32 63	29·14	28·85
81	BD + 57°, 257	7·9 B 5	1 15 7·897	+375·63	+ 3·52	− 0·01	+57 48 51·62	+1897·8	− 9·2	+ 0·2	2	28·38	
82	φ Cass	5·25 F 5	1 15 20·935	+375·90	+ 3·53	+ 0·00	+57 50 16·47	+1897·1	− 9·2	+ 0·1	2 4	30·78	31·05
83	BD − 16°, 223	6·75 G 0	1 16 16·452	+294·59	− 0·08	+ 0·38	−16 12 20·26	+1894·5	− 7·4	− 9·4	4 5	28·86	28·66
84	BD + 21°, 178	7·24 K 5	1 17 10·549	+325·10	+ 0·93	+ 0·08	+21 58 54·06	+1891·9	− 8·2	+ 0·6	6 8	26·58	26·26
85	BD + 10°, 168	6·89 F 0	1 17 21·584	+316·00	+ 0·59	+ 0·36	+11 8 38·29	+1891·4	− 8·0	+ 1·5	8 11	28·29	27·51
86	θ Ceti	3·83 K 0	1 20 16·382	+300·37	+ 0·10	− 0·54	− 8 34 12·67	+1882·8	− 7·9	−21·5	24 51	29·77	30·02
87	δ Cass	2·80 A 5	1 20 53·719	+386·80	+ 3·95	+ 3·94	+59 50 46·09	+1880·9	−10·1	− 4·6	4 6	28·56	27·52
88	BD − 3°, 195	6·38 G 5	1 20 59·945	+304·66	+ 0·23	+ 0·11	− 3 14 19·34	+1880·6	− 8·1	− 2·9	4 5	27·03	26·58
89	BD + 26°, 239	6·87 K 0	1 22 34·745	+331·14	+ 1·12	− 0·06	+26 51 29·94	+1875·7	− 8·9	− 4·9	6	26·80	
90	94 Psc	5·63 K 0	1 22 38·327	+323·38	+ 0·83	+ 0·30	+18 51 8·04	+1875·6	− 8·7	− 6·0	5 5	28·22	27·79

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 53. $1^m.6$ to $2^m.3$

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +
				1st Term	2nd Term			1st Term	2nd Term			
			h m s	s	s	s	° ′ ″	″	″	″		
91	Br. 192	5·68 F 0	1 23 9·467	+295·94	+ 0·00	+ 0·10	−13 26 45·23	+1874·0	− 8·1	+ 1·2	5 6	27·18 26·79
92	Br. 201	6·55 K 0	1 26 10·143	+283·34	− 0·25	+ 0·25	−26 0 18·51	+1864·5	− 8·0	+ 2·0	6 7	26·28 26·78
93	η Psc	3·72 G 5	1 27 27·969	+320·58	+ 0·72	+ 0·18	+14 57 34·90	+1860·3	− 9·1	− 0·6	19 45	29·11 29·66
94	BD + 34°, 265	6·28 B 8	1 27 50·585	+341·52	+ 1·47	− 0·10	+34 24 51·78	+1859·0	− 9·7	− 0·1	4	31·11
95	BD + 54°, 315	7·17 K 5	1 28 40·960	+378·13	+ 3·14	− 0·06	+54 33 35·46	+1856·3	−10·8	+ 1·9	4	31·38
96	BD − 7°, 256	5·88 G 0	1 29 56·401	+300·64	+ 0·15	+ 1·20	− 7 24 29·34	+1852·1	− 8·8	− 7·5	6 7	29·28 29·36
97	Br. 211	6·20 B 9	1 31 45·549	+320·54	+ 0·70	+ 0·02	+14 16 42·38	+1845·9	− 9·5	− 0·9	3 5	26·80 26·40
98	Br. 207	6·17 K 0	1 31 51·442	+365·88	+ 2·45	− 0·15	+48 20 25·84	+1845·6	−10·8	− 1·6	7 7	28·55 28·39
99	Br. 213	5·48 K 0	1 32 19·445	+292·47	− 0·02	+ 0·11	−15 46 59·34	+1844·0	− 8·7	+ 2·2	4 5	29·84 29·09
100	Br. 205	6·62 B 9	1 33 51·546	+549·06	+16·30	+ 0·54	+77 35 19·63	+1838·7	−16·3	− 0·7	10 11	30·58 30·65
101	α U. Min	2·12 F 8	1 34 14·403	+3096·76	+1369·08	+16·04	+88 54 10·95	+1837·4	−90·6	− 0·1	109 125	28·93 28·71
102	BD + 20°, 264	6·86 K 2	1 34 30·562	+327·86	+ 0·92	+ 0·36	+21 1 1·96	+1836·4	−10·0	− 0·3	4 3	27·36 27·87
103	π Andr	4·90 B 8	1 36 8·605	+353·27	+ 1·82	+ 0·11	+40 11 52·27	+1830·7	−10·9	− 2·3	5	27·57
104	ν Psc	4·68 K 0	1 37 31·531	+312·21	+ 0·46	− 0·16	+ 5 6 31·65	+1825·7	− 9·8	+ 0·5	16 37	30·29 29·71
105	Gr. 371	6·46 K 0	1 38 42·007	+362·96	+ 2·17	+ 1·35	+44 56 41·65	+1821·4	−11·4	− 1·5	4 3	28·60 28·49
106	BD − 4°, 260	5·27 G 5	1 38 55·905	+303·30	+ 0·25	− 0·02	− 4 4 3·26	+1820·6	− 9·6	− 3·0	4 5	28·77 28·99
107	τ Ceti	3·65 K 0	1 40 34·312	+290·64	− 0·01	−11·94	−16 19 49·55	+1814·5	− 9·4	+85·8	5 4	30·77 30·32
108	ο Psc	4·50 K 0	1 41 25·819	+316·12	+ 0·56	+ 0·48	+ 8 46 51·44	+1811·3	−10·3	+ 5·3	15 27	29·45 28·80
109	Pi 1h, 159	5·74 K 0	1 42 18·585	+422·90	+ 5·05	+ 8·73	+63 28 58·61	+1808·1	−13·7	−24·4	10 10	29·78 29·74
110	CD − 27°, 595	6·42 A 5	1 42 32·975	+276·90	− 0·21	+ 0·69	−27 43 23·21	+1807·1	− 9·1	− 4·9	5	32·17
111	BD − 14°, 335	6·76 B 9	1 43 18·790	+292·48	+ 0·04	+ 0·25	−14 15 47·92	+1804·2	− 9·7	+ 0·8	5	32·21
112	BD − 21°, 300	6·69 K 0	1 44 5·310	+284·52	− 0·09	+ 0·22	−21 13 5·31	+1801·3	− 9·5	− 4·0	6	31·96
113	Br. 235	5·73 A 0	1 44 6·594	+324·74	+ 0·79	+ 0·35	+16 34 58·24	+1801·2	−10·8	− 3·1	3 6	29·10 27·77
114	Gr. 379	6·92 F 5	1 45 0·952	+531·30	+12·78	+ 1·93	+75 13 7·76	+1797·7	−17·5	− 3·3	11 10	31·23
115	BD + 25°, 305	6·73 B 8	1 45 14·292	+336·30	+ 1·12	− 0·03	+26 6 1·10	+1796·8	−11·2	− 0·2	4 8	26·81 27·71
116	BD + 80°, 58	7·60 K 0	1 47 21·883	+669·42	+27·12	+ 4·80	+80 32 28·06	+1788·5	−22·4	− 8·2	8 11	31·02 30·97
117	ζ Ceti	3·92 K 0	1 47 45·439	+295·84	+ 0·13	+ 0·23	−10 42 17·79	+1787·0	−10·1	− 3·6	18 26	28·32 28·30
118	ε Cass	3·44 B 3	1 48 58·696	+428·92	+ 5·06	+ 0·52	+63 18 6·29	+1782·1	−14·7	− 1·6	10 11	31·36 31·31
119	ξ Psc	4·84 K 0	1 49 40·213	+310·31	+ 0·42	+ 0·14	+ 2 49 5·25	+1779·3	−10·8	+ 2·7	11 16	28·19 27·53
120	ω Cass	5·03 B 8	1 50 8·748	+462·67	+ 7·02	+ 0·22	+68 19 4·06	+1777·4	−16·0	− 0·8	9 10	28·73 28·80
121	BD + 8°, 292	7·05 M 0	1 50 24·410	+316·44	+ 0·56	+ 0·08	+ 8 24 45·85	+1776·3	−11·1	+ 0·4	4	27·56
122	β Arie	2·72 A 5	1 50 29·555	+330·37	+ 0·92	+ 0·70	+20 26 31·15	+1776·0	−11·5	−11·0	11 16	28·53 28·86
123	BD + 30°, 310	7·21 M 3	1 53 44·339	+345·17	+ 1·33	− 0·25	+30 46 12·11	+1762·7	−12·4	− 3·6	5 5	27·64 27·32
124	Pi 1h, 223	6·14 A 2	1 55 24·710	+320·91	+ 0·67	+ 0·02	+11 55 53·89	+1755·6	−11·7	− 3·4	4 6	26·59 26·88
125	BD + 59°, 376	6·74 A 0	1 55 32·702	+417·29	+ 4·17	+ 0·72	+59 35 48·61	+1755·1	−15·1	− 3·1	4 5	29·10 28·85
126	Br. 271	5·84 G 0	1 56 14·992	+310·39	+ 0·43	+ 1·54	+ 2 44 19·98	+1752·1	−11·4	−24·5	4 5	28·10 27·67
127	ν Ceti	4·18 M 0	1 56 28·299	+281·74	− 0·05	+ 0·91	−21 26 26·19	+1751·1	−10·4	− 1·8	7 6	29·89 30·87
128	BD − 9°, 380	5·72 M 3	1 56 43·409	+297·09	+ 0·18	+ 0·63	− 8 53 11·62	+1750·1	−10·9	− 0·5	3 6	29·49 29·50
129	Br. 269	4·99 B 8	1 57 17·612	+397·77	+ 3·21	+ 0·42	+54 7 32·74	+1747·6	−14·6	+ 0·1	6 7	29·88 29·29
130	γ Andr	2·28 K 0	1 59 17·188	+367·05	+ 1·98	+ 0·41	+41 58 14·67	+1739·0	−13·7	− 5·0	4 6	26·12 26·48
131	Br. 280	5·56 A 5	1 59 20·749	+307·01	+ 0·37	+ 0·51	− 0 13 56·74	+1738·8	−11·5	+ 2·2	9 10	26·43 27·06
132	CD − 24°, 872	6·51 K 0	1 59 23·943	+277·32	− 0·09	− 0·20	−24 14 47·65	+1738·5	−10·4	− 3·4	6 5	30·84 31·01
133	BD − 18°, 356	7·30 K 5	2 0 19·534	+285·68	+ 0·02	+ 0·04	−17 52 23·49	+1734·5	−10·8	− 1·3	2 3	26·86 28·49
134	α Arie	2·23 K 2	2 2 56·448	+336·42	+ 1·02	+ 1·39	+23 6 30·38	+1722·9	−12·9	−14·6	6 9	27·87 26·92
135	Br. 288	4·77 A 2	2 3 57·200	+360·08	+ 1·69	+ 1·33	+37 30 15·23	+1718·4	−13·9	− 3·8	7 6	25·71 25·99

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
136	CD − 28°, 675....	7·22 A 5	2 4 45·387	+270·60	− 0·13	+ 0·52	−27 55 37·77	+1714·7	−10·6	− 1·3	7 7	29·07	30·89
137	β Tria.....	3·08 A 5	2 5 4·418	+355·19	+ 1·53	+ 1·22	+34 37 59·51	+1713·3	−13·8	− 4·2	6	27·32	
138	Br. 256.....	6·86 K 0	2 5 5·492	+889·97	+51·63	+ 3·56	+83 12 39·78	+1713·2	−34·0	− 2·9	9 12	30·07	30·12
139	BD − 13°, 400....	7·30 A 0	2 7 7·478	+290·67	+ 0·12	+ 0·03	−13 16 46·34	+1703·9	−11·5	− 1·0	6 4	29·34	28·58
140	Br. 302.....	5·74 G 0	2 7 23·278	+317·47	+ 0·58	− 0·95	+ 8 13 9·84	+1702·7	−12·6	−10·9	4 5	27·16	27·49
141	Br. 301.....	5·43 G 0	2 8 0·771	+348·09	+ 1·30	− 0·49	+29 57 8·38	+1699·8	−13·8	− 6·1	4 5	27·30	26·85
142	Br. 300.....	5·08 K 0	2 8 30·465	+375·62	+ 2·13	− 0·21	+43 52 50·31	+1697·5	−14·9	− 1·0	6 5	30·17	29·84
143	ξ^1 Ceti.....	4·54 G 5	2 9 1·280	+317·93	+ 0·59	− 0·16	+ 8 29 44·59	+1695·1	−12·7	− 0·3	12 18	31·09	31·43
144	Br. 315.....	5·64 F 5	2 11 27·091	+340·63	+ 1·08	− 0·68	+24 41 46·04	+1683·7	−13·8	− 8·0	6 8	27·84	28·08
145	δ Tria.....	5·07 G 0	2 12 28·528	+356·31	+ 1·49	+ 9·28	+33 52 53·84	+1678·9	−14·5	−23·8	6 7	29·34	28·70
146	θ Arie.....	5·69 A 0	2 13 56·915	+333·47	+ 0·90	− 0·09	+19 33 18·09	+1671·7	−13·8	+ 0·0	30 51	28·97	29·11
147	BD + 12°, 315....	7·76 A 5	2 14 2·210	+324·43	+ 0·71	− 0·02	+13 5 3·12	+1671·3	−13·4	− 2·6	4 5	30·81	31·00
148	Pi 2h, 52.....	5·82 F 8	2 14 7·643	+309·09	+ 0·42	+ 2·48	+ 1 24 16·57	+1670·9	−12·8	+38·2	4 5	31·78	30·83
149	Br. 319.....	5·12 A 0	2 14 25·772	+386·69	+ 2·40	− 0·58	+47 2 5·35	+1669·4	−16·0	− 0·6	4 6	29·31	28·48
150	Br. 335.....	5·62 A 5	2 18 23·006	+305·66	+ 0·37	− 0·16	− 1 13 32·52	+1650·0	−13·0	− 4·9	9 10	25·20	25·19
151	BD − 18°, 409....	5·99 K 0	2 18 32·897	+282·60	+ 0·07	+ 0·10	−18 0 9·36	+1649·2	−12·1	− 5·5	5 6	27·63	27·17
152	CD − 26°, 857....	6·58 K 0	2 20 57·879	+269·36	− 0·04	+ 0·19	−26 11 12·85	+1637·1	−11·7	+ 3·0	8 7	27·12	27·57
153	BD − 20°, 455....	6·05 K 0	2 23 6·000	+278·26	+ 0·04	+ 0·54	−20 22 53·84	+1626·3	−12·2	+10·4	4 5	29·30	29·20
154	Br. 342.....	5·38 F 0	2 23 45·760	+351·36	+ 1·27	− 0·13	+29 20 7·58	+1622·9	−15·4	− 8·4	4 5	27·55	27·01
155	ξ^2 Ceti.....	4·34 A 0	2 24 10·084	+318·51	+ 0·58	+ 0·27	+ 8 7 28·95	+1620·8	−14·0	− 0·4	30 47	29·35	29·38
156	BD + 8°, 385.....	6·30 K 0	2 25 34·818	+320·17	+ 0·61	− 0·10	+ 9 13 54·18	+1613·5	−14·2	+ 1·5	4 5	30·35	29·87
157	Br. 349.....	6·14 F 0	2 26 25·822	+335·54	+ 0·90	+ 0·57	+19 31 22·99	+1609·1	−14·9	− 3·6	4 5	29·14	29·07
158	Br. 350.....	5·35 K 0	2 27 31·045	+365·15	+ 1·58	+ 0·38	+35 48 56·18	+1603·4	−16·3	+ 1·6	7	26·52	
159	BD + 10°, 340....	7·00 A 0	2 30 22·686	+323·54	+ 0·66	+ 0·17	+11 16 36·77	+1588·2	−14·7	− 4·5	10 12	26·92	27·00
160	Pi 2h, 115.....	7·34 *	2 31 38·294	+411·00	+ 2·88	+ 0·04	+51 38 5·35	+1581·5	−18·7	− 0·7	5	28·87	
161	Br. 365.....	5·71 K 5	2 32 18·408	+295·47	+ 0·26	− 0·25	− 8 9 25·13	+1577·9	−13·6	− 5·5	4 5	28·70	29·00
162	BD + 61°, 445....	6·80 B 9	2 33 6·514	+464·73	+ 4·89	+ 0·30	+62 16 3·87	+1573·6	−21·3	− 2·0	8 10	31·21	31·08
163	BD + 61°, 448....	7·28 A 0	2 34 8·653	+465·72	+ 4·89	+ 0·30	+62 16 44·59	+1567·9	−21·5	− 1·5	2 3	27·92	28·22
164	δ Ceti.....	4·04 B 2	2 35 38·135	+307·29	+ 0·41	+ 0·08	+ 0 0 21·27	+1559·8	−14·4	+ 0·2	23 35	28·45	28·19
165	BD + 58°, 504....	7·18 F 5	2 36 4·159	+445·41	+ 4·00	+ 0·52	+58 39 23·36	+1557·4	−20·8	− 0·9	6 4	31·84	31·88
166	BD − 16°, 484....	7·30 A 2	2 36 28·935	+282·10	+ 0·13	+ 0·15	−16 37 48·27	+1555·1	−13·3	+ 0·2	4	32·32	
167	Br. 344.....	5·92 K 0	2 36 51·139	+848·81	+33·85	+ 0·72	+81 7 58·03	+1553·1	−39·4	− 6·8	11 13	30·56	30·43
168	BD + 47°, 683....	6·56 G 5	2 37 59·242	+401·50	+ 2·45	+ 0·07	+47 56 46·24	+1546·8	−18·9	+ 0·3	5	28·84	
169	θ Pers.....	4·22 F 8	2 39 4·163	+405·31	+ 2·55	+ 3·42	+48 54 44·44	+1540·8	−19·2	− 8·6	6	30·57	
170	Br. 376.....	5·58 G 5	2 39 11·485	+389·82	+ 2·10	+ 0·04	+43 58 45·44	+1540·0	−18·5	− 0·5	4 5	29·15	28·91
171	BD − 3°, 426.....	6·64 K 0	2 39 41·288	+303·01	+ 0·36	+ 0·14	− 2 50 58·87	+1537·3	−14·5	+ 0·7	4	32·11	
172	μ Ceti.....	4·36 F 0	2 40 53·117	+322·18	+ 0·63	+ 1·92	+ 9 47 54·14	+1530·5	−15·5	− 3·0	21 35	28·80	28·51
173	CD − 26°, 996....	6·87 G 0	2 40 54·595	+265·54	+ 0·02	+ 1·23	−25 48 47·90	+1530·4	−12·8	+ 5·3	4 3	32·86	32·83
174	Br. 373.....	* A 0	2 42 7·878	+537·36	+ 7·87	+ 0·08	+69 19 13·08	+1523·5	−25·8	+ 3·7	11 11	31·19	30·84
175	BD + 35°, 553....	6·38 G 5	2 42 19·812	+369·68	+ 1·54	+ 0·42	+35 40 9·73	+1522·3	−17·9	− 0·4	4 5	30·13	29·87
176	BD − 22°, 479....	6·49 F 5	2 43 20·620	+272·06	+ 0·07	+ 0·66	−21 57 13·82	+1516·6	−13·3	+ 1·4	3	31·00	
177	Br. 393.....	6·04 K 0	2 44 19·487	+335·77	+ 0·84	+ 0·32	+17 58 19·97	+1510·9	−16·4	− 3·5	5 6	27·66	27·40
178	BD − 13°, 530....	* M 3	2 44 20·188	+287·37	+ 0·20	+ 0·05	−12 46 19·75	+1510·9	−14·1	− 3·4	2 6	28·76	27·24
179	Gr. 569.....	7·92 G 5	2 50 52·311	+592·56	+10·22	+ 0·76	+72 22 16·51	+1472·7	−29·6	− 1·7	9 10	28·51	28·95
180	BD − 5°, 541.....	7·30 K 0	2 50 54·700	+298·33	+ 0·32	+ 0·13	− 5 38 5·47	+1472·5	−15·1	− 1·6	6	29·23	

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 160. G 5 + A 5.
* 174. $6^m.3$ to $7^m.8$.
* 178. $6^m.4$ to $7^m.7$

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
181	BD + 14°, 492....	7·70 A 0	2 51 31·874	+330·64	+ 0·74	− 0·17	+14 24 13·45	+1468·8	−16·7	− 2·4	5 7	30·49	30·02
182	Br. 410.....	6·08 F 8	2 52 12·890	+320·23	+ 0·58	+ 0·45	+ 8 4 50·82	+1464·7	−16·2	− 8·4	4 5	30·58	30·05
183	η Erid.....	4·05 K 0	2 52 45·710	+292·47	+ 0·26	+ 0·53	− 9 11 45·65	+1461·4	−14·9	−21·3	18 25	29·00	29·39
184	BD + 3°, 410.....	6·31 M 0	2 53 8·638	+314·01	+ 0·50	+ 0·05	+ 4 11 56·24	+1459·1	−16·0	+ 2·5	5 4	31·77	31·77
185	Br. 412.....	5·85 F 0	2 53 47·391	+341·40	+ 0·90	+ 1·65	+20 22 8·41	+1455·3	−17·4	− 3·2	5 4	28·84	29·61
186	π Pers.....	4·62 A 2	2 53 57·405	+382·73	+ 1·73	+ 0·27	+39 21 49·15	+1454·3	−19·5	− 3·9	4 5	31·60	31·46
187	CD − 29°, 1106...	6·19 G 5	2 55 54·883	+255·41	+ 0·03	+ 0·12	−29 12 16·37	+1442·4	−13·2	− 4·0	6 4	30·78	31·69
188	α Ceti.....	2·82 M 0	2 58 21·383	+313·51	+ 0·49	− 0·06	+ 3 47 46·84	+1427·5	−16·3	− 7·4	5 9	27·65	28·67
189	BD − 18°, 516....	7·40 F 0	2 58 35·717	+275·85	+ 0·14	− 0·22	−18 30 7·16	+1426·0	−14·4	− 2·8	7 5	32·47	32·27
190	γ Pers.....	3·08 *	2 59 21·065	+433·30	+ 2·97	+ 0·03	+53 12 50·61	+1421·4	−22·6	− 0·3	4	31·62	
191	β Pers.....	* B 8	3 3 16·842	+389·62	+ 1·77	+ 0·05	+40 40 4·85	+1396·9	−20·7	− 0·1	5 6	26·08	26·09
192	BD − 2°, 554.....	7·10 G 5	3 3 24·819	+303·78	+ 0·38	− 0·15	− 2 5 26·96	+1396·1	−16·2	− 2·8	8	31·37	
193	BD − 14°, 604....	7·16 G 0	3 3 45·947	+283·26	+ 0·20	+ 0·09	−14 2 40·89	+1393·9	−15·1	−26·1	4	30·24	
194	Br. 440.....	6·48 K 5	3 4 5·789	+339·47	+ 0·83	+ 0·34	+18 30 29·83	+1391·8	−18·1	− 1·5	5 4	32·09	31·88
195	Br. 441.....	5·60 B 9	3 5 5·632	+360·35	+ 1·17	+ 0·15	+28 47 29·91	+1385·5	−19·3	− 1·3	4 3	29·30	29·47
196	BD 52°, 663.....	7·50 A 5	3 5 32·310	+435·01	+ 2·88	− 0·06	+52 51 33·65	+1382·7	−23·2	− 0·6	4 3	32·40	32·27
197	BD 31°, 553.....	7·38 K 0	3 6 15·367	+367·78	+ 1·30	+ 0·35	+31 56 33·68	+1378·2	−19·8	− 1·9	5	31·13	
198	Gr. 621.....	6·00 B 8	3 7 11·851	+395·28	+ 1·85	+ 0·27	+42 5 37·76	+1372·2	−21·3	− 1·2	6 9	30·06	29·54
199	BD 47°, 779.....	6·42 K 0	3 7 14·558	+413·40	+ 2·28	+ 0·73	+47 26 42·89	+1371·9	−22·3	− 7·7	4	32·47	
200	BD − 20°, 596....	7·58 G 5	3 7 17·825	+271·05	+ 0·13	+ 0·48	−20 23 41·04	+1371·5	−14·7	− 1·9	2	33·01	
201	δ Arie.....	4·54 K 0	3 7 20·160	+341·69	+ 0·85	+ 1·08	+19 26 38·89	+1371·3	−18·5	− 0·7	11 30	29·04	29·24
202	Pi 3h, 6.....	5·84 *	3 8 27·375	+318·23	+ 0·54	− 0·05	+ 6 22 45·54	+1364·1	−17·3	+ 0·0	4	27·95	
203	α Forn.....	3·95 F 8	3 8 53·185	+252·28	+ 0·06	+ 2·52	−29 16 50·45	+1361·4	−13·8	+64·3	4	31·36	
204	Gr. 627.....	5·92 A 0	3 10 2·314	+458·22	+ 3·45	− 0·01	+56 51 44·90	+1354·0	−24·9	+ 0·6	5 6	26·26	26·51
205	BD + 38°, 690....	5·97 A 0	3 12 53·596	+388·01	+ 1·63	+ 0·23	+39 00 32·05	+1335·4	−21·4	− 1·4	7 8	27·26	27·12
206	BD + 12°, 460....	7·64 B 8	3 14 7·559	+329·57	+ 0·66	+ 0·01	+12 33 1·63	+1327·4	−18·3	+ 0·3	8 8	26·31	26·57
207	Br. 402.....	5·78 K 0	3 14 15·652	+1377·06	+84·20	+ 5·22	+84 38 59·12	+1326·5	−75·5	−12·8	9 11	30·08	29·86
208	BD − 19°, 651....	5·83 F 0	3 15 15·626	+272·98	+ 0·16	+ 0·96	−18 49 52·24	+1319·9	−15·3	− 4·9	7 9	28·33	27·47
209	Pi 3h, 27.....	5·55 K 2	3 18 8·551	+518·72	+ 5·16	− 0·01	+64 19 10·72	+1300·8	−29·0	+ 0·8	14 15	29·12	29·37
210	α Pers.....	1·90 F 5	3 18 57·481	+427·08	+ 2·41	+ 0·26	+49 35 44·36	+1295·4	−24·0	− 2·4	4	31·86	
211	CD − 26°, 1257...	6·26 A 0	3 19 2·780	+257·85	+ 0·11	+ 0·14	−25 51 19·21	+1294·8	−14·6	+ 0·8	4	31·95	
212	o Taur.....	3·80 G 5	3 20 46·412	+323·11	+ 0·57	− 0·44	+ 8 45 57·17	+1283·3	−18·4	− 7·5	22 48	28·89	29·25
213	BD − 4°, 586.....	7·41 G 5	3 21 25·142	+298·74	+ 0·34	+ 0·30	− 4 44 35·28	+1278·9	−17·0	+ 6·1	5 6	31·77	29·48
214	BD + 19°, 537....	7·0 A 3	3 23 41·756	+345·46	+ 0·84	+ 0·07	+20 12 15·15	+1263·5	−19·8	− 0·3	6	26·45	
215	BD + 29°, 566....	7·06 B 3	3 24 10·276	+367·56	+ 1·16	− 0·13	+30 6 58·73	+1260·3	−21·1	− 0·5	7 10	28·90	27·86
216	BD − 11°, 667....	5·85 K 0	3 24 26·255	+286·03	+ 0·25	+ 0·01	−11 32 43·14	+1258·5	−16·5	− 4·6	4	31·39	
217	CD − 23°, 1412...	6·84 F 5	3 26 18·627	+261·25	+ 0·13	+ 0·64	−23 44 0·73	+1245·7	−15·2	+ 3·5	4 3	32·44	32·29
218	5 Taur.....	4·28 K 0	3 26 43·702	+330·87	+ 0·64	+ 0·15	+12 40 50·93	+1242·8	−19·2	+ 0·0	22 47	29·33	29·86
219	BD + 34°, 674....	5·80 B 3	3 27 53·054	+381·56	+ 1·36	− 0·03	+35 12 28·79	+1234·9	−22·2	+ 0·1	5	28·27	
220	Br. 489.....	5·64 B 8	3 28 32·226	+324·22	+ 0·57	+ 0·22	+ 9 7 15·20	+1230·4	−18·9	− 4·2	4 6	29·36	28·71
221	ε Erid.....	3·81 K 0	3 29 23·421	+289·17	+ 0·27	− 6·59	− 9 42 39·82	+1224·4	−16·9	+ 2·0	21 37	29·40	29·78
222	τ^5 Erid.....	4·32 B 8	3 30 28·429	+264·63	+ 0·15	+ 0·32	−21 53 0·48	+1217·0	−15·6	− 2·2	4	31·01	
223	Br. 494.....	6·69 A 0	3 32 33·085	+352·58	+ 0·89	− 0·08	+22 57 50·90	+1202·5	−20·8	− 2·2	5 6	28·05	27·73
224	Br. 498.....	5·32 A 0	3 32 52·292	+273·09	+ 0·19	+ 0·16	−17 42 52·24	+1200·2	−16·2	− 0·8	4 5	30·48	30·15
225	Br. 496.....	6·12 G 0	3 32 56·220	+307·92	+ 0·41	− 0·17	+ 0 20 37·99	+1199·8	−18·2	−16·0	9 9	28·35	29·11

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 190. F 5 + A 3.
* 191. 2^m to $3^m.5$.
* 202. G 5 + A 5.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.		Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term					
			h m s	s	s	s	° ′ ″	″	″	″				
226	BD + 13°, 579....	6·89 G 5	3 35 6·482	+333·46	+ 0·65	+ 0·09	+13 38 59·68	+1184·5	−19·9	− 9·0	4	5	25·98	25·57
227	Br. 502.....	6·00 G 5	3 35 18·823	+296·20	+ 0·32	− 0·09	− 5 51 56·67	+1183·0	−17·7	−20·1	6	7	29·96	29·41
228	BD + 40°, 813....	7·08 F 2	3 35 54·522	+401·05	+ 1·61	− 0·30	+40 56 42·85	+1178·8	−23·9	+ 8·1	4		28·14	
229	δ Pers.....	3·10 B 5	3 37 34·552	+426·05	+ 2·06	+ 0·30	+47 32 57·09	+1167·0	−25·5	− 3·5	7		28·17	
230	Pi 3h, 102.....	5·84 F 2	3 38 53·712	+563·89	+ 5·76	+ 1·68	+66 58 4·72	+1157·6	−33·8	−10·8	7	9	29·69	29·63
231	BD + 45°, 804....	6·09 A 5	3 39 24·891	+419·89	+ 1·91	− 0·04	+45 51 49·92	+1153·9	−25·3	− 3·7	4		32·00	
232	δ Erid.....	3·72 K 0	3 39 39·140	+287·97	+ 0·27	− 0·63	−10 0 55·19	+1152·2	−17·4	+74·4	5	7	30·85	28·72
233	BD + 36°, 742....	5·57 A 2	3 39 39·800	+387·39	+ 1·34	+ 0·40	+36 13 28·06	+1152·1	−23·3	− 3·5	5	7	31·95	31·99
234	Pi 3h, 138.....	5·70 A 0	3 39 58·779	+286·55	+ 0·26	− 0·10	−10 43 20·23	+1149·9	−17·4	− 1·4	5	4	32·93	32·94
235	BD + 54°, 707....	6·80 A 5	3 40 1·870	+462·64	+ 2·81	+ 0·17	+54 49 45·20	+1149·5	−27·9	− 3·1	5	6	33·89	33·75
236	BD + 27°, 556....	6·71 F 0	3 40 3·260	+364·67	+ 1·00	− 0·22	+27 39 46·24	+1149·3	−22·0	− 7·3	2		33·06	
237	CD − 26°, 1423...	6·92 A 3	3 42 23·262	+253·15	+ 0·14	− 0·16	−26 8 55·74	+1132·5	−15·5	+ 0·7	4		32·09	
238	Gr. 642.....	5·84 F 5	3 42 25·982	+2066·21	+167·50	+16·66	+86 24 45·84	+1132·3	−124·5	− 7·0	176	194	29·49	29·02
239	η Taur.....	2·96 B 5	3 43 1·307	+356·17	+ 0·87	+ 0·17	+23 52 27·96	+1128·0	−21·7	− 4·4	6	7	32·47	32·54
240	τ^6 Erid.....	4·33 F 8	3 43 37·128	+259·23	+ 0·16	− 1·13	−23 28 17·79	+1123·6	−15·9	−52·4	4		32·97	
241	BD − 0°, 602.....	6·10 K 0	3 44 47·900	+307·28	+ 0·39	+ 0·39	− 0 0 4·85	+1115·1	−18·8	− 0·4	7	6	29·80	30·78
242	BD − 21°, 703....	6·06 K 0	3 45 17·509	+264·30	+ 0·17	− 0·10	−21 7 54·68	+1111·5	−16·3	− 2·1	3	4	32·97	32·98
243	BD + 57°, 752....	5·79 A 0	3 47 37·224	+484·74	+ 3·14	+ 1·04	+57 45 13·15	+1094·5	−29·8	− 9·7	5		29·31	
244	Br. 535.....	5·62 B 9	3 48 0·114	+319·67	+ 0·48	+ 0·07	+ 6 18 38·18	+1091·7	−19·8	− 0·4	5		25·80	
245	Pi 3h, 187.....	5·96 F 0	3 48 52·487	+341·85	+ 0·69	+ 1·03	+17 6 17·12	+1085·3	−21·2	− 2·8	5	7	25·50	26·44
246	ζ Pers.....	2,91 B 1	3 49 24·674	+376·67	+ 1·09	+ 0·08	+31 39 44·35	+1081·3	−23·3	− 1·1	5		27·69	
247	BD − 7°, 695.....	6·55 B 9	3 49 27·827	+293·75	+ 0·30	+ 0·03	− 6 51 21·91	+1081·0	−18·3	+ 0·2	4		31·95	
248	BD −18°, 691.....	6·37 F 2	3 49 50·808	+269·24	+ 0·19	+ 0·03	−18 39 23·11	+1078·1	−16·8	+ 1·3	4	5	30·76	30·75
249	BD + 30°, 591....	* B 0	3 50 41·405	+374·66	+ 1·06	− 0·07	+30 49 34·25	+1071·9	−23·3	− 0·7	5	6	29·79	30·50
250	BD + 2°, 628.....	7·40 K 0	3 52 42·573	+312·91	+ 0·42	+ 0·22	+ 2 50 26·28	+1056·9	−19·6	+ 0·0	6	7	30·82	30·99
251	ε Pers.....	2·96 B 1	3 52 48·848	+401·89	+ 1·42	+ 0·20	+39 47 41·13	+1056·2	−25·1	− 2·8	5	4	30·50	30·41
252	BD + 24°, 599....	6·38 K 0	3 52 57·065	+358·45	+ 0·84	+ 0·03	+24 14 45·28	+1055·2	−22·4	− 1·1	5		28·72	
253	γ Erid.....	3·19 K 5	3 54 31·711	+279·42	+ 0·23	+ 0·44	−13 43 15·35	+1043·4	−17·6	−10·9	16	24	29·66	28·99
254	BD + 13°, 621....	7·33 G 5	3 55 7·916	+335·27	+ 0·60	− 0·02	+13 45 46·96	+1038·9	−21·1	− 6·2	5	5	31·80	32·43
255	λ Taur.....	* B 3	3 56 31·302	+332·25	+ 0·57	− 0·04	+12 16 46·64	+1028·5	−21·0	− 1·0	16	28	29·35	30·44
256	BD + 73°, 210....	6·72 K 0	3 58 17·090	+703·82	+ 9·61	+ 0·66	+73 47 49·50	+1015·2	−44·4	− 6·6	9	9	30·71	30·99
257	ν Taur.....	3·94 A 0	3 59 9·809	+318·97	+ 0·45	+ 0·04	+ 5 46 56·48	+1008·6	−20·3	− 0·2	30	53	29·55	29·52
258	BD + 61°, 669....	6·75 B 2	3 59 33·002	+523·75	+ 3·71	− 0·06	+61 53 52·04	+1005·6	−33·2	+ 0·2	8	10	31·46	31·09
259	BD − 13°, 806....	5·67 G 5	4 0 52·098	+280·51	+ 0·24	+ 0·06	−12 59 50·43	+ 995·7	−18·0	+ 1·6	4	7	32·03	32·18
260	BD + 42°, 896....	7·12 K 0	4 2 48·525	+415·88	+ 1·51	+ 0·77	+42 58 51·72	+ 980·9	−26·6	− 9·7	2	3	31·41	31·24
261	BD + 42°, 897....	6·67 B 8	4 3 0·093	+415·97	+ 1·51	+ 0·07	+42 59 29·91	+ 979·4	−26·7	− 2·0	4		26·92	
262	Br. 561.....	5·59 F 8	4 3 36·288	+398·00	+ 1·25	+ 1·42	+37 50 41·73	+ 974·8	−25·6	−20·0	6		26·53	
263	BD − 22°, 754....	6·58 A 3	4 3 43·165	+259·63	+ 0·17	+ 0·05	−22 11 39·02	+ 973·9	−16·7	− 1·2	6	4	28·80	29·96
264	Pi 3h, 362.....	6·80 A 0	4 6 4·222	+299·54	+ 0·32	+ 0·04	− 3 46 11·80	+ 955·9	−19·4	+ 0·1	5	3	25·98	25·91
265	Br. 566.....	5·71 F 0	4 7 20·573	+318·27	+ 0·43	+ 1·00	+ 5 19 44·82	+ 946·1	−20·7	+ 1·1	6		26·50	
266	BD + 48°, 1059...	7·28 G 5	4 8 8·041	+442·59	+ 1·84	+ 0·15	+48 54 10·28	+ 940·0	−28·7	− 0·1	3	4	28·96	29·48
267	o^1 Erid.....	4·14 F 2	4 8 12·140	+292·72	+ 0·29	+ 0·06	− 7 1 55·07	+ 939·5	−19·0	+ 8·7	12	31	31·20	30·64
268	BD − 17°, 816....	6·58 K 0	4 8 37·399	+270·10	+ 0·20	+ 0·02	−17 27 58·00	+ 936·2	−17·6	− 4·0	3	4	31·66	31·70
269	Gr. 766.....	5·39 B 3	4 10 38·838	+1370·62	+48·78	− 0·56	+83 37 48·43	+ 920·6	−88·9	+ 1·3	9		31·61	31·89
270	Pi 4h, 7.....	5·12 A 2	4 10 51·408	+467·34	+ 2·21	− 0·10	+53 25 30·56	+ 918·9	−30·5	− 0·1	4		28·36	

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 249. $6^m.0$ to $6^m.6$.
* 255. $3^m.8$ to $4^m.1$.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.		Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term					
			h m s	s	s	s	° ′ ″	″	″	″				
271	Gr. 750	6·70 F 8	4 12 24·251	+1774·52	+87·78	+ 1·51	+85 21 23·29	+ 906·9	−115·5	+ 2·8	143	161	29·26	28·81
272	Br. 576	5·56 A 5	4 13 56·674	+354·14	+ 0·68	+ 0·70	+21 23 49·71	+ 894·8	−23·3	− 3·5	3	4	29·90	30·19
273	γ Taur	3·86 K 0	4 15 31·315	+340·44	+ 0·56	+ 0·82	+15 26 52·22	+ 882·5	−22·5	− 2·4	4	7	28·25	27·77
274	Br. 586	5·27 F 0	4 16 20·952	+339·30	+ 0·55	+ 0·76	+14 55 1·19	+ 876·0	−22·4	− 2·3	4	6	32·27	31·70
275	BD − 16°, 838	6·65 B 9	4 16 45·301	+271·38	+ 0·21	+ 0·08	−16 36 57·49	+ 872·8	−18·0	− 0·5	3		33·10	
276	BD − 7°, 798	5·72 B 8	4 17 4·456	+290·85	+ 0·27	+ 0·02	− 7 46 15·34	+ 870·2	−19·3	− 0·4	3	4	32·00	32·24
277	Pi 4h, 68	5·88 F 0	4 18 24·435	+248·65	+ 0·16	+ 0·33	−25 54 13·63	+ 859·7	−16·6	− 4·9	6	8	28·51	29·02
278	δ Taur	3·93 K 0	4 18 36·365	+345·05	+ 0·59	+ 0·77	+17 22 4·06	+ 858·2	−22·9	− 3·1	12	29	28·46	28·10
279	ε Erid	5·23 A 2	4 19 56·642	+298·99	+ 0·30	− 0·33	− 3 55 3·44	+ 847·6	−19·9	− 5·7	3	4	27·02	28·04
280	BD + 57°, 800	6·23 A 0	4 20 46·520	+497·07	+ 2·49	+ 0·18	+57 24 56·00	+ 841·0	−33·1	− 1·8	8	6	32·38	32·54
281	BD + 69°, 258	7·02 K 0	4 21 58·060	+627·58	+ 5·30	+ 0·25	+69 12 44·62	+ 831·5	−41·8	− 2·6	8		30·18	
282	BD + 8°, 687	5·99 B 5	4 22 16·808	+325·29	+ 0·44	+ 0·02	+ 8 25 16·82	+ 829·0	−21·8	− 1·4	4	7	30·08	29·08
283	BD + 1°, 753	6·37 K 0	4 23 6·618	+311·35	+ 0·36	+ 0·44	+ 1 54 44·63	+ 822·4	−20·9	− 4·4	5		26·20	
284	ε Taur	3·63 K 0	4 24 14·038	+349·37	+ 0·59	+ 0·79	+19 0 55·61	+ 813·4	−23·4	− 3·8	20	44	29·10	29·28
285	BD − 21°, 878	6·73 F 5	4 24 41·262	+258·71	+ 0·18	− 0·09	−21 40 7·93	+ 809·8	−17·4	− 3·5	6	5	32·87	33·03
286	BD + 27°, 661	6·61 A 0	4 24 41·657	+370·21	+ 0·76	+ 0·14	+27 14 23·76	+ 809·7	−24·9	− 2·2	5		30·96	
287	BD − 13°, 893	5·50 B 3	4 25 37·850	+278·53	+ 0·22	+ 0·02	−13 12 44·65	+ 802·2	−18·8	− 0·4	4	5	31·56	31·85
288	Br. 620	5·49 A 5	4 26 21·949	+341·36	+ 0·52	+ 0·73	+15 31 47·92	+ 796·3	−23·0	− 2·4	4	5	30·71	29·39
289	BD + 36°, 907	6·82 F 5	4 27 16·839	+399·46	+ 1·01	+ 0·23	+36 53 0·04	+ 789·0	−26·9	− 1·4	10		26·04	
290	α Taur	1·06 K 5	4 31 36·849	+343·63	+ 0·52	+ 0·48	+16 21 34·39	+ 754·0	−23·4	−19·0	24	46	29·08	29·37
291	Br. 640	5·32 B 5	4 33 21·582	+309·12	+ 0·32	− 0·03	+ 0 50 51·10	+ 739·8	−21·1	− 0·3	4	4	27·92	27·71
292	Br. 642	5·31 A 5	4 33 49·542	+301·59	+ 0·29	+ 0·28	− 2 37 20·46	+ 736·1	−20·6	− 5·8	5	7	29·99	28·85
293	BD + 20°, 785	5·73 B 9	4 33 50·104	+353·84	+ 0·57	− 0·10	+20 32 6·91	+ 736·0	−24·1	− 0·7	22	5	28·97	30·99
294	BD − 18°, 883	7·73 K 0	4 34 43·829	+266·92	+ 0·19	− 0·09	−17 57 52·87	+ 728·7	−18·3	− 4·4	5	6	29·80	30·35
295	BD + 76°, 174	6·51 F 5	4 35 34·504	+825·46	+ 9·97	+ 2·13	+76 28 19·77	+ 721·8	−56·3	−13·1	8	9	29·41	29·30
296	Br. 646	5·37 B 9	4 35 52·658	+333·91	+ 0·44	+ 0·00	+12 3 5·74	+ 719·3	−22·9	− 0·9	6	10	26·38	26·26
297	Br. 644	5·25 A 0	4 37 34·723	+424·84	+ 1·15	+ 0·39	+43 13 25·38	+ 705·4	−29·1	− 5·1	7	10	28·41	28·18
298	Gr. 866	5·77 B 8	4 37 39·135	+455·48	+ 1·50	− 0·01	+49 49 55·84	+ 704·8	−31·2	− 2·2	4	5	28·46	28·77
299	τ Taur	4·33 B 5	4 37 44·399	+359·91	+ 0·59	+ 0·03	+22 48 51·87	+ 704·1	−24·7	− 1·6	4	5	27·14	27·93
300	Pi 4h, 161	6·45 A 3	4 38 57·080	+387·84	+ 0·79	− 0·24	+32 43 33·13	+ 694·2	−26·7	− 4·4	4	5	27·78	27·83
301	Br. 656	5·87 B 5	4 40 28·992	+288·18	+ 0·24	+ 0·01	− 8 38 33·08	+ 681·6	−19·9	− 0·2	6		27·65	
302	CD − 27°, 1869	7·04 K 2	4 41 14·125	+241·18	+ 0·16	+ 0·19	−27 42 55·58	+ 675·4	−16·7	− 1·8	4		29·59	
303	μ Erid	4·18 B 5	4 41 45·018	+299·82	+ 0·27	+ 0·10	− 3 23 27·21	+ 671·2	−20·7	− 1·1	17	46	29·05	29·51
304	Pi 4h, 186	6·03 K 2	4 41 50·517	+257·88	+ 0·18	+ 0·13	−21 25 12·01	+ 670·4	−17·9	− 2·2	8	9	33·03	32·90
305	Br. 651	6·34 F 0	4 41 57·492	+490·35	+ 1·85	+ 0·94	+55 28 13·22	+ 669·5	−33·8	−10·2	5		28·12	
306	BD + 29°, 741	7·36 B 9	4 43 37·893	+379·14	+ 0·69	+ 0·09	+29 38 27·47	+ 655·6	−26·3	− 3·5	5	7	27·42	27·04
307	Gr. 856	5·32 K 0	4 46 14·730	+114·40	+18·92	− 0·02	+81 4 24·95	+ 634·0	−77·2	+ 2·9	14	17	28·83	28·54
308	BD − 14°, 970	6·30 F 2	4 46 15·723	+275·92	+ 0·20	− 0·79	−13 53 42·71	+ 633·8	−19·2	−16·3	10	10	26·50	25·99
309	BD + 61°, 739	6·63 A 2	4 46 53·350	+539·60	+ 2·39	+ 0·34	+61 21 27·79	+ 628·6	−37·5	− 3·9	10	11	28·04	27·68
310	π^5 Orio	3·87 B 3	4 50 20·536	+312·44	+ 0·30	− 0·01	+ 2 19 8·77	+ 599·9	−21·9	+ 0·0	12	14	28·86	28·43
311	Pi 4h, 236	5·54 K 0	4 50 44·285	+324·44	+ 0·34	− 0·13	+ 7 39 31·88	+ 596·6	−22·7	− 3·2	4	5	29·94	30·16
312	BD − 16°, 992	5·82 K 0	4 51 56·440	+269·34	+ 0·19	+ 0·05	−16 32 15·86	+ 586·5	−18·9	+ 4·8	4		31·84	
313	ι Auri	2·90 K 2	4 52 6·296	+390·44	+ 0·69	+ 0·06	+33 2 55·98	+ 585·2	−27·3	− 1·9	6	7	33·26	33·24
314	Br. 689	5·46 B 9	4 52 42·420	+295·44	+ 0·24	− 0·05	− 5 17 20·79	+ 580·1	−20·7	− 0·5	5	5	32·66	
315	Br. 684	5·99 K 0	4 53 15·438	+363·82	+ 0·52	+ 0·09	+23 49 58·67	+ 575·5	−25·5	− 0·8	3		32·44	

Position 1925 + T = Position 1925 + T (1st Term) + T² (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.		Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term					
			h m s	s	s	s	° ′ ″	″	″	″				
316	Br. 683	4·99 A 0	4 54 9·716	+406·61	+ 0·79	+ 0·38	+37 46 41·72	+ 567·9	−28·5	−10·2	3		33·08	
317	Br. 695	4·73 K 0	4 54 39·555	+310·86	+ 0·28	− 0·01	+ 1 36 0·71	+ 563·8	−21·9	− 0·2	2	3	31·05	30·05
318	BD + 14°, 796	5·98 B 8	4 54 43·875	+340·28	+ 0·39	+ 0·05	+14 25 46·58	+ 563·2	−23·9	− 1·9	4		32·09	
319	ε Auri	* F 5	4 56 34·948	+430·18	+ 0·94	+ 0·03	+43 42 50·47	+ 547·6	−30·3	− 0·7	4	3	27·76	27·00
320	Gr. 915	6·20 A 0	4 58 2·681	+420·55	+ 0·85	+ 0·05	+41 20 5·09	+ 535·3	−29·7	− 0·5	7	8	28·21	28·32
321	ι Taur	4·70 A 5	4 58 36·551	+358·00	+ 0·45	+ 0·48	+21 29 3·18	+ 530·5	−25·3	− 4·3	6	8	26·18	26·65
322	Br. 691	5·31 B 3	4 59 36·781	+520·90	+ 1·75	+ 0·00	+58 52 10·06	+ 522·1	−36·8	− 0·7	5	7	28·79	28·87
323	CD − 24°, 2795	5·55 A 2	5 0 46·677	+248·43	+ 0·16	+ 0·17	−24 29 28·35	+ 512·2	−17·6	− 2·8	9		28·81	
324	BD − 3°, 998	5·98 B 5	5 1 9·216	+300·18	+ 0·23	+ 0·00	− 3 8 32·12	+ 509·0	−21·3	+ 0·2	5	7	31·17	30·00
325	BD + 33°, 953	6·94 B 8	5 1 12·488	+393·87	+ 0·63	+ 0·04	+33 49 2·98	+ 508·6	−27·9	− 0·6	8	8	29·27	28·65
326	ε Lepo	3·29 K 5	5 2 17·076	+253·75	+ 0·16	+ 0·18	−22 28 15·19	+ 499·5	−18·0	− 7·3	9	10	31·70	31·83
327	Pi 4h, 254	5·38 A 0	5 2 53·601	+754·58	+ 5·13	+ 0·22	+73 51 9·89	+ 494·3	−53·4	− 3·3	10	11	28·85	28·82
328	BD − 12°, 1076	6·14 F 8	5 3 55·446	+278·33	+ 0·19	+ 0·95	−12 35 13·71	+ 485·6	−19·8	− 7·8	6		29·86	
329	β Erid	2·92 A 3	5 4 9·632	+295·52	+ 0·22	− 0·62	− 5 10 56·36	+ 483·6	−21·0	− 7·9	12	34	27·61	28·59
330	Br. 710	6·55 G 5	5 4 24·678	+353·89	+ 0·40	+ 0·06	+19 45 49·79	+ 481·4	−25·1	− 1·5	8	9	32·34	32·20
331	BD + 85°, 74	6·54 A 5	5 5 0·164	+2102·58	+62·12	+ 2·53	+85 51 52·37	+ 476·4	−149·0	− 7·6	9	11	29·93	29·78
332	BD + 27°, 732	5·97 A 3	5 5 2·359	+376·12	+ 0·50	+ 0·47	+27 56 11·71	+ 476·1	−26·7	− 7·0	6	8	30·76	30·70
333	Pi 4h, 294	5·59 F 5	5 5 7·570	+445·87	+ 0·93	+ 0·59	+46 52 15·18	+ 475·4	−31·7	−15·0	4		31·52	
334	Br. 716	5·42 A 2	5 5 11·906	+329·55	+ 0·31	+ 0·44	+ 9 44 4·86	+ 474·7	−23·4	− 0·4	4		26·93	
335	BD + 67°, 371	7·12 A 0	5 6 21·410	+619·45	+ 2·69	+ 0·09	+67 23 34·93	+ 464·9	−44·0	− 6·6	7	8	29·73	29·61
336	BD + 67°, 373	7·58 F 0	5 7 1·014	+617·81	+ 2·63	.....	+67 16 18·77	+ 459·3	−43·9	.....	2	3	28·48	28·34
337	Br. 729	6·16 A 0	5 9 56·792	+288·40	+ 0·19	+ 0·01	− 8 14 6·48	+ 434·3	−20·6	+ 0·2	5	6	26·64	26·39
338	β Orio	0·34 B 8	5 10 55·916	+288·26	+ 0·19	+ 0·01	− 8 17 13·55	+ 425·9	−20·6	+ 0·0	26	47	29·64	29·70
339	α Auri	0·21 G 0	5 11 8·692	+442·17	+ 0·81	+ 0·81	+45 55 23·18	+ 424·1	−31·6	−42·7	3	5	27·99	28·62
340	τ Orio	3·68 B 5	5 13 57·772	+291·38	+ 0·19	− 0·10	− 6 55 27·38	+ 399·9	−20·9	− 0·5	26	45	29·97	30·27
341	Br. 741	5·14 K 0	5 14 46·038	+360·28	+ 0·37	+ 0·10	+27 1 12·72	+ 393·0	−25·8	− 8·3	7		26·99	
342	BD + 54°, 882	6·75 G 5	5 15 10·168	+488·87	+ 1·06	− 0·01	+54 10 35·68	+ 389·6	−35·0	+ 3·0	5		31·27	
343	Br. 744	5·45 F 5	5 15 16·334	+313·05	+ 0·23	− 0·11	+ 2 31 9·16	+ 388·7	−22·5	− 4·6	5	6	29·40	28·52
344	BD − 18°, 1051	5·93 G 0	5 15 30·348	+264·15	+ 0·16	+ 2·68	−18 12 31·52	+ 386·7	−19·0	+ 6·3	3		31·81	
345	BD + 10°, 758	7·44 A 0	5 16 15·030	+332·35	+ 0·27	− 0·08	+10 48 55·97	+ 380·3	−23·9	− 2·7	5		29·83	
346	BD + 8°, 933	5·71 B 2	5 17 38·443	+326·57	+ 0·25	+ 0·01	+ 8 21 20·27	+ 368·4	−23·5	+ 0·2	10	11	28·72	28·67
347	BD + 85°, 78	6·55 A 0	5 18 14·337	+2021·30	+42·75	− 0·83	+85 36 55·57	+ 363·3	−145·0	+ 0·4	9	12	29·16	29·92
348	BD + 70°, 351	7·04 B 9	5 18 21·789	+671·57	+ 2·65	+ 0·38	+70 9 39·24	+ 362·2	−48·2	− 2·5	12	14	27·30	27·10
349	σ Auri	5·22 K 5	5 19 33·105	+407·56	+ 0·51	+ 0·03	+37 19 0·34	+ 351·9	−29·3	− 1·0	8		28·56	28·69
350	CD − 26°, 2185	6·44 F 5	5 20 11·073	+240·87	+ 0·14	+ 0·18	−26 46 30·43	+ 346·5	−17·4	+ 0·9	5		31·71	
351	γ Orio	1·70 B 2	5 21 6·397	+321·78	+ 0·23	− 0·04	+ 6 16 58·90	+ 338·5	−23·2	− 1·4	14	40	28·32	28·80
352	β Taur	1·78 B 8	5 21 32·905	+378·95	+ 0·38	+ 0·23	+28 32 43·79	+ 334·7	−27·3	−17·5	4		30·02	
353	Br. 767	5·31 B 3	5 22 47·438	+349·87	+ 0·29	+ 0·07	+17 53 56·63	+ 324·0	−25·2	− 2·9	5	8	27·63	27·40
354	Pi 5h, 102	6·37 F 5	5 23 35·055	+279·32	+ 0·16	+ 0·08	−11 57 46·67	+ 317·2	−20·2	− 4·8	6	7	27·33	26·87
355	BD − 21°, 1174	6·14 K 0	5 24 24·719	+255·44	+ 0·14	+ 0·09	−21 26 16·30	+ 310·0	−18·5	+ 3·8	5	6	30·93	30·80
356	BD − 0°, 960	6·58 B 9	5 24 35·215	+307·19	+ 0·19	− 0·09	− 0 2 25·01	+ 308·5	−22·2	− 1·6	8	9	33·06	33·29
357	BD + 29°, 909	6·24 F 5	5 24 54·597	+380·87	+ 0·36	+ 0·20	+29 7 41·31	+ 305·7	−27·5	− 5·6	6		30·90	
358	BD + 41°, 1206	6·09 K 0	5 25 30·442	+423·78	+ 0·51	− 0·14	+41 24 17·70	+ 300·5	−30·6	− 4·2	5	4	27·85	27·81
359	δ Orio	2·48 B 0	5 28 10·388	+306·46	+ 0·18	+ 0·01	− 0 21 12·13	+ 277·5	−22·2	− 0·1	18	58	29·22	29·14
360	α Lepo	2·69 F 0	5 29 25·221	+264·57	+ 0·14	+ 0·02	−17 52 29·75	+ 266·7	−19·2	+ 0·5	5		30·69	

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.)
T in centuries from 1925·0, T′ in centuries from epoch.

* 319. 3ᵐ.1 to 3ᵐ.8.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
361	Br. 770	6·03 B 9	5 29 59·126	+580·23	+ 1·23	+ 0·12	+64 6 28·61	+ 261·8	−42·0	− 6·8	7 8	28·88	29·08
362	Br. 793	5·32 A 2	5 30 19·839	+315·89	+ 0·19	− 0·21	+ 3 43 0·59	+ 258·8	−22·9	− 1·8	7 8	27·33	27·54
363	ϵ Orio	1·75 B 0	5 32 24·381	+304·39	+ 0·17	+ 0·00	− 1 14 55·07	+ 240·8	−22·1	+ 0·0	17 40	29·47	28·31
364	BD + 10°, 828	6·10 K 0	5 32 54·170	+333·05	+ 0·20	+ 0·32	+10 59 23·18	+ 236·4	−24·2	− 1·3	5 6	30·00	30·35
365	BD − 6°, 1255	5·62 B 3	5 32 55·792	+293·07	+ 0·16	− 0·04	− 6 6 37·72	+ 236·2	−21·3	− 1·1	4	29·88	
366	ζ Taur	3·00 B 3	5 33 9·620	+358·49	+ 0·25	+ 0·04	+21 5 53·38	+ 234·2	−26·0	− 2·2	4	31·37	
367	CD − 27°, 2395	6·75 K 2	5 35 7·618	+238·85	+ 0·13	− 0·02	−27 15 11·54	+ 217·1	−17·4	+ 0·4	4 3	29·52	29·69
368	BD + 24°, 909	7·04 F 2	5 35 16·115	+366·94	+ 0·25	+ 0·04	+24 11 1·47	+ 215·9	−26·6	+ 3·7	4	29·85	
369	BD − 17°, 1199	6·22 B 9	5 35 57·818	+264·38	+ 0·13	+ 0·01	−17 53 24·24	+ 209·8	−19·2	+ 0·4	4	31·78	
370	Br. 797	6·19 K 0	5 36 39·788	+508·47	+ 0·65	+ 0·21	+56 32 40·04	+ 203·8	−36·9	+ 3·0	4 5	32·82	32·47
371	Gr. 944	6·41 K 0	5 37 43·261	+1878·99	+19·05	+ 1·51	+85 9 46·91	+ 194·6	−136·3	+ 0·5	221 255	29·10	29·02
372	BD − 20°, 1171	6·44 G 0	5 41 14·582	+258·39	+ 0·13	− 0·11	−20 9 29·89	+ 163·9	−18·8	+ 4·6	4 6	31·06	29·74
373	Br. 830	5·91 B 8	5 42 26·572	+344·97	+ 0·18	+ 0·06	+15 47 40·13	+ 153·4	−25·1	− 0·7	4	29·06	
374	BD + 29°, 997	7·21 F 8	5 42 37·438	+383·08	+ 0·22	− 0·02	+29 37 57·50	+ 151·8	−27·9	−11·4	4	32·11	
375	BD + 9°, 954	5·89 G 5	5 42 44·965	+329·57	+ 0·16	− 0·23	+ 9 29 45·66	+ 150·7	−24·0	− 6·5	4	28·81	
376	Br. 827	6·90 G 0	5 43 38·698	+417·19	+ 0·27	+ 0·03	+39 30 33·06	+ 142·9	−30·4	− 2·2	4 5	29·32	29·07
377	κ Orio	2·20 B 0	5 44 11·883	+284·50	+ 0·13	+ 0·03	− 9 41 42·08	+ 138·1	−20·7	− 0·2	15 29	28·68	27·80
378	BD − 4°, 1244	5·95 G 5	5 44 51·255	+297·69	+ 0·13	+ 0·47	− 4 6 51·91	+ 132·4	−21·7	−22·0	4 2	28·77	28·77
379	BD − 14°, 1251	5·57 G 5	5 46 11·931	+272·77	+ 0·12	− 0·18	−14 30 16·78	+ 120·6	−19·9	− 4·5	8 8	28·45	28·19
380	α Orio	* M 0	5 51 6·612	+324·61	+ 0·12	+ 0·18	+ 7 23 40·10	+ 77·7	−23·7	+ 0·7	21 43	28·98	28·64
381	BD + 11°, 975	6·08 G 5	5 52 37·969	+334·48	+ 0·12	+ 0·68	+11 30 44·92	+ 64·4	−24·4	− 5·4	5 7	29·68	29·08
382	β Auri	2·07 A 0	5 54 1·482	+440·59	+ 0·15	− 0·48	+44 56 30·09	+ 52·2	−32·1	− 0·4	5 8	30·44	28·38
383	BD − 18°, 1247	6·92 F 5	5 54 15·465	+263·71	+ 0·11	− 0·02	−18 3 45·54	+ 50·2	−19·2	− 0·5	2	30·02	
384	Gr. 1030	6·52 K 5	5 54 48·669	+827·09	+ 0·57	+ 0·55	+75 35 9·82	+ 45·4	−60·3	− 1·6	7 8	30·25	30·74
385	Br. 870	5·25 A 0	5 54 58·106	+308·56	+ 0·11	− 0·10	+ 0 32 50·71	+ 44·0	−22·5	− 0·3	7	32·69	
386	BD + 33°, 1209	6·80 A 2	5 55 18·433	+394·48	+ 0·12	+ 0·01	+33 7 59·16	+ 41·0	−28·8	− 0·5	4 5	33·86	34·12
387	Br. 874	5·10 A 5	5 55 30·535	+284·77	+ 0·11	+ 0·11	− 9 33 43·31	+ 39·3	−20·8	− 5·2	5 4	30·91	31·10
388	Br. 871	6·28 B 8	5 57 9·788	+362·36	+ 0·10	− 0·05	+22 24 0·86	+ 24·8	−26·4	− 2·2	4	32·11	
389	Br. 868	6·13 G 5	5 57 53·488	+431·52	+ 0·10	+ 1·08	+42 54 54·95	+ 18·4	−31·5	−14·6	4	29·81	
390	CD − 25°, 2865	5·90 A 0	5 58 10·148	+243·78	+ 0·11	− 0·04	−25 25 2·93	+ 16·0	−17·8	− 1·6	3	30·78	
391	μ Orio	4·19 A 2	5 58 15·352	+330·00	+ 0·10	+ 0·11	+ 9 38 54·80	+ 15·3	−24·1	− 2·9	3 4	30·46	30·61
392	Br. 864	6·30 A 5	5 58 32·189	+475·74	+ 0·09	+ 0·06	+51 34 37·26	+ 12·8	−34·7	− 4·6	7	30·05	
393	Pi 5h, 325	7·01 B 9	6 2 39·051	+374·46	+ 0·06	− 0·06	+26 41 28·59	− 23·2	−27·3	− 0·4	3	25·45	
394	θ Leps	4·67 A 0	6 2 45·552	+271·66	+ 0·10	− 0·10	−14 55 37·63	− 24·1	−19·8	+ 1·8	5	29·72	
395	BD − 3°, 1297	6·75 B 5	6 3 11·578	+299·50	+ 0·09	− 0·08	− 3 19 54·42	− 27·9	−21·8	− 0·3	5	29·72	
396	ν Orio	4·40 B 2	6 3 17·295	+342·53	+ 0·07	+ 0·06	+14 46 43·83	− 28·8	−25·0	− 2·7	16 41	29·16	29·09
397	BD − 21°, 1353	6·12 M 3	6 3 47·080	+253·83	+ 0·10	+ 0·04	−21 48 8·70	− 33·1	−18·5	− 1·7	4	31·14	
398	36 Caml	5·39 K 0	6 5 18·311	+603·65	− 0·21	+ 0·18	+65 44 8·11	− 46·4	−44·0	− 2·9	12 14	30·76	30·69
399	Br. 886	6·09 A 0	6 5 51·846	+459·49	− 0·04	+ 0·22	+48 43 41·31	− 51·3	−33·5	− 5·4	6 7	28·03	26·79
400	Br. 900	5·70 B 9	6 7 34·729	+355·39	+ 0·04	+ 0·04	+19 48 31·20	− 66·3	−25·9	− 1·2	7 10	25·92	25·68
401	η Gemi	* M 2	6 10 20·935	+362·66	+ 0·01	− 0·46	+22 31 47·91	− 90·5	−26·4	− 1·5	3 5	26·33	26·26
402	Br. 904	6·93 F 0	6 10 35·687	+404·88	− 0·04	− 0·50	+36 10 21·16	− 92·6	−29·5	+ 0·4	6 7	27·72	27·36
403	Br. 893	5·30 M 0	6 10 59·973	+553·54	− 0·33	+ 0·01	+61 32 30·44	− 96·2	−40·3	− 0·4	12 12	27·74	28·05
404	5 Mono	4·09 K 0	6 11 11·766	+292·66	+ 0·07	− 0·03	− 6 15 1·89	− 97·9	−21·3	− 1·8	14 42	30·14	29·68
405	BD + 1°, 1275	6·34 F 5	6 12 1·387	+310·06	+ 0·06	− 0·04	+ 1 11 37·93	− 105·1	−22·5	+ 3·4	7 8	27·57	27·64

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

*380. $0^m.1$ to $1^m.2$.
*401. $3^m.2$ to $4^m.2$.

No.	STAR	M + Sp.	R.A. 1925	Precession 1st Term	Precession 2nd Term	P.M.	Dec. 1925	Precession 1st Term	Precession 2nd Term	P.M.	No. Obs.	Epoch 1900 +	
			h m s	s	s	s	° ′ ″	″	″	″			
406	Br. 917	6·26 B 2	6 12 24·132	+366·04	− 0·00	+ 0·04	+23 46 3·60	− 108·4	−26·6	− 0·4	4	28·32	
407	2 Lync	4·42 A 0	6 13 0·359	+529·68	− 0·34	− 0·06	+59 2 24·07	− 113·7	−38·5	+ 2·2	7 8	28·32	28·06
408	BD + 14°, 1235	5·98 A 0	6 13 49·387	+341·56	+ 0·02	− 0·12	+14 24 42·75	− 120·8	−24·8	− 0·1	5 6	29·12	27·94
409	BD − 16°, 1426	5·28 K 0	6 14 21·418	+267·05	+ 0·08	− 0·06	−16 47 11·69	− 125·5	−19·4	+ 0·8	8 10	28·84	28·01
410	7 Mono	5·13 B 3	6 16 5·965	+289·04	+ 0·06	− 0·05	− 7 47 25·25	− 140·7	−21·0	+ 0·0	4 4	28·04	27·04
411	BD + 30°, 1211	7·06 A 0	6 17 15·675	+384·21	− 0·07	+ 0·02	+30 0 0·87	− 150·8	−27·9	− 1·5	3 5	27·44	26·91
412	ζ C. Maj	3·10 B 3	6 17 25·981	+230·26	+ 0·09	+ 0·02	−30 1 44·59	− 152·3	−16·7	+ 0·2	5 4	27·93	27·44
413	CD − 29°, 3021	7·40 F 0	6 18 2·452	+231·50	+ 0·09	+ 0·31	−29 37 1·86	− 157·6	−16·8	− 7·2	4 4	29·85	32·10
414	μ Gemi	3·19 M 0	6 18 25·369	+362·60	− 0·04	+ 0·43	+22 33 12·25	− 161·0	−26·3	−11·4	5	28·93	
415	Gr. 1004	6·57 G 5	6 19 8·398	+2653·20	−36·16	+ 2·11	+86 45 2·98	− 167·2	−192·7	−10·6	6 7	29·02	28·96
416	β C. Maj	1·99 B 1	6 19 23·742	+264·23	+ 0·08	− 0·03	−17 55 2·84	− 169·4	−19·2	− 0·1	8 7	33·27	33·57
417	BD + 70°, 401	5·99 A 2	6 19 41·550	+684·90	− 1·30	+ 0·09	+70 34 43·20	− 172·0	−49·7	+ 2·3	12	28·31	
418	ε Mono	4·48 A 5	6 19 47·566	+318·07	+ 0·02	− 0·12	+ 4 37 56·60	− 172·9	−23·1	+ 0·8	14 40	28·78	28·99
419	BD + 8°, 1316	6·11 A 0	6 19 56·166	+328·19	+ 0·01	− 0·03	+ 8 55 31·41	− 174·1	−23·8	− 2·0	5 6	28·87	29·24
420	BD − 11°, 1478	5·39 K 0	6 20 40·309	+280·23	+ 0·06	− 0·38	−11 29 19·32	− 180·6	−20·3	− 4·1	6 5	30·09	29·92
421	Gr. 1156	7·14 G 5	6 21 1·367	+427·11	− 0·21	− 0·05	+42 0 9·93	− 183·6	−31·0	− 1·0	6 8	31·09	29·60
422	BD − 1°, 1242	5·73 A 0	6 22 51·640	+303·89	+ 0·03	− 0·02	− 1 27 42·10	− 199·6	−22·0	− 3·5	8	28·54	
423	BD + 16°, 1159	6·33 G 5	6 24 8·908	+346·11	− 0·04	− 0·68	+16 17 13·59	− 210·8	−25·0	− 5·3	6 7	28·45	27·98
424	10 Mono	4·98 B 3	6 24 15·273	+296·32	+ 0·04	− 0·04	− 4 42 52·61	− 211·7	−21·4	+ 0·6	30 66	29·35	29·19
425	Pi 6h, 114	6·85 A 2	6 25 37·980	+378·67	− 0·13	− 0·01	+28 15 47·75	− 223·7	−27·4	− 1·5	7	26·39	
426	BD − 22°, 1429	6·69 A 2	6 26 16·332	+252·18	+ 0·08	+ 0·11	−22 32 25·62	− 229·3	−18·2	+ 0·8	5	30·67	
427	BD + 47°, 1310	7·14 K 5	6 27 12·464	+449·46	− 0·38	+ 0·28	+46 58 39·67	− 237·4	−32·5	− 1·4	5	27·55	
428	Gr. 1173	7·2 A 3	6 27 57·630	+480·26	− 0·53	+ 0·12	+52 31 9·18	− 244·0	−34·7	− 8·0	7	25·91	
429	BD 82°, 177	6·39 A 2	6 28 41·685	+1273·03	−10·09	+ 0·38	+82 10 58·60	− 250·3	−92·0	− 5·4	12 13	28·00	27·66
430	Pi 6h, 171	5·48 B 9	6 32 53·735	+295·37	+ 0·02	+ 0·00	− 5 8 51·76	− 286·7	−21·2	− 1·4	7	28·49	
431	Br. 975	5·81 G 5	6 33 5·765	+262·78	+ 0·06	− 0·07	−18 35 49·74	− 288·5	−18·9	+ 1·6	5 5	29·47	28·49
432	γ Gemi	1·93 A 0	6 33 22·736	+346·36	− 0·09	+ 0·33	+16 27 52·54	− 290·9	−24·9	− 4·6	19 43	28·77	28·94
433	BD + 2°, 1315	6·42 K 0	6 33 45·197	+313·68	− 0·01	− 0·21	+ 2 46 11·67	− 294·2	−22·6	− 4·8	6 7	29·48	29·72
434	BD + 22°, 1416	6·28 K 0	6 34 34·538	+360·92	− 0·14	+ 0·06	+22 5 53·44	− 301·3	−25·9	− 2·9	4 6	29·10	27·77
435	BD + 11°, 1273	6·43 M 0	6 37 7·364	+333·09	− 0·07	− 0·01	+11 4 26·80	− 323·3	−23·9	+ 0·7	7 9	26·56	26·23
436	BD + 32°, 1378	6·87 G 5	6 37 51·368	+391·68	− 0·27	+ 0·07	+32 37 55·01	− 329·6	−28·1	− 1·7	4 6	26·29	25·92
437	ε Gemi	3·18 G 5	6 39 19·036	+369·26	− 0·20	+ 0·00	+25 12 24·42	− 342·2	−26·4	− 1·6	7 8	29·24	28·60
438	Br. 976	5·47 G 5	6 40 26·056	+511·80	− 1·01	+ 0·28	+57 14 56·25	− 351·8	−36·6	− 4·1	5	26·28	
439	CD − 25°, 3546	6·78 G 5	6 40 50·147	+244·67	+ 0·07	− 0·26	−25 27 28·44	− 355·3	−17·5	− 0·4	7	31·53	
440	ξ Gemi	3·40 F 5	6 41 4·733	+337·58	− 0·10	− 0·76	+12 58 39·42	− 357·4	−24·1	−19·5	18 44	28·50	28·67
441	Br. 984	5·28 K 0	6 41 56·590	+457·75	− 0·67	− 0·01	+48 52 13·75	− 364·8	−32·7	+ 0·3	4 5	29·53	28·65
442	Br. 991	5·84 B 3	6 42 26·924	+327·30	− 0·08	− 0·04	+ 8 40 4·73	− 369·2	−23·4	− 1·1	5 7	28·25	28·64
443	Br. 1001	6·00 B 8	6 43 48·645	+257·09	+ 0·06	− 0·09	−20 55 59·80	− 380·9	−18·3	+ 0·3	4	26·41	
444	BD − 2°, 1776	5·65 A 0	6 45 29·707	+302·28	− 0·02	− 0·08	− 2 11 9·87	− 395·3	−21·5	− 0·1	7 8	26·27	26·01
445	Br. 997	5·69 B 8	6 45 30·761	+345·56	− 0·15	− 0·11	+16 17 21·49	− 395·5	−24·6	− 1·4	9 10	26·02	26·24
446	BD − 14°, 1599	5·29 B 5	6 45 33·643	+272·03	+ 0·04	+ 0·02	−15 3 32·37	− 395·9	−19·4	− 0·5	7 9	28·68	28·45
447	BD + 25°, 1469	6·62 A 2	6 47 20·551	+370·37	− 0·26	− 0·13	+25 45 9·11	− 411·1	−26·3	+ 2·0	5 7	26·26	25·94
448	Gr. 1237	6·04 F 0	6 49 49·939	+433·31	− 0·64	+ 0·13	+44 0 18·51	− 432·4	−30·7	− 1·2	9 10	27·65	28·11
449	θ C. Maj	4·25 K 2	6 50 42·209	+279·70	+ 0·02	− 0·95	−11 56 36·63	− 439·9	−19·8	− 1·8	22 40	28·68	29·39
450	BD + 10°, 1335	5·88 B 8	6 52 18·144	+330·36	− 0·12	− 0·18	+10 3 17·44	− 453·5	−23·4	− 2·1	5 8	28·90	27·49

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
451	ι C. Maj	4·39 B 5	6 52 47·468	+267·61	+ 0·03	− 0·02	−16 57 21·39	− 457·6	−18·9	+ 1·0	6 7	27·64	27·99
452	Br. 1010	6·15 K 2	6 53 56·272	+409·38	− 0·53	− 0·32	+38 9 24·73	− 467·4	−28·9	−17·5	4 6	25·78	25·91
453	BD + 3°, 1488	6·02 K 0	6 55 0·282	+315·69	− 0·08	− 0·08	+ 3 42 19·23	− 476·5	−22·2	− 0·7	4 4	25·32	25·64
454	ε C. Maj	1·63 B 1	6 55 40·616	+235·77	+ 0·06	+ 0·02	−28 52 8·55	− 482·2	−16·6	− 0·3	5	27·70	
455	BD − 8°, 1662	5·84 A 0	6 56 47·488	+288·38	− 0·01	− 0·15	− 8 18 4·25	− 491·6	−20·3	− 1·1	6 8	29·48	29·14
456	ω Gemi	5·21 K 0	6 57 50·599	+365·77	− 0·31	− 0·03	+24 19 25·30	− 500·6	−25·7	− 0·3	3 4	27·43	27·15
457	CD − 25°, 3911	5·80 B 3	6 58 0·908	+246·65	+ 0·05	− 0·07	−25 6 29·45	− 502·0	−17·3	+ 1·9	3 4	28·03	29·61
458	Gr. 1256	6·54 K 0	6 59 24·291	+530·24	− 1·73	+ 0·38	+59 54 53·19	− 513·8	−37·2	− 0·1	5 7	28·94	27·85
459	ζ Gemi	* G 0	6 59 39·639	+356·03	− 0·27	− 0·03	+20 40 54·07	− 515·9	−25·0	− 0·3	18 32	28·87	30·05
460	γ C. Maj	4·07 B 5	7 0 21·806	+271·45	+ 0·02	+ 0·02	−15 31 16·59	− 521·9	−19·0	− 0·8	2 5	28·14	28·77
461	BD − 21°, 1732	6·19 K 0	7 1 35·328	+255·44	+ 0·04	+ 0·15	−21 55 2·44	− 532·2	−17·8	− 6·0	4 5	29·91	28·91
462	BD − 11°, 1790	5·28 B 3	7 3 9·338	+281·87	− 0·00	− 0·09	−11 10 38·15	− 545·4	−19·7	− 0·6	6	32·79	
463	BD + 34°, 1533	6·47 K 0	7 3 18·135	+393·84	− 0·52	− 0·10	+33 57 3·93	− 546·6	−27·5	− 3·8	4	29·15	
464	BD + 7°, 1607	5·92 K 0	7 3 46·170	+324·40	− 0·14	+ 0·00	+ 7 35 24·69	− 550·6	−22·6	− 3·8	9	33·67	33·46
465	Br. 1030	5·58 K 0	7 4 3·930	+344·24	− 0·23	− 0·03	+16 3 5·77	− 553·1	−24·0	−10·4	9	31·48	
466	Gr. 1262	6·45 K 0	7 5 14·898	+700·62	− 4·74	+ 0·42	+71 56 27·65	− 563·0	−48·9	+ 2·0	8 7	31·66	31·65
467	δ C. Maj	1·98 F 8	7 5 20·439	+243·98	+ 0·05	− 0·03	−26 16 22·99	− 563·8	−16·9	+ 0·3	2 3	32·14	32·50
468	51H Ceph	5·26 M 0	7 5 56·772	+2898·92	−153·78	− 4·89	+87 10 9·68	− 568·8	−405·0	− 3·6	205 254	29·13	28·76
469	Br. 1034	5·60 A 2	7 6 43·987	+372·45	− 0·41	− 0·14	+26 58 52·23	− 575·5	−25·9	− 4·1	4	28·65	
470	Gr. 1272	5·69 M 0	7 7 32·710	+468·35	− 1·24	+ 0·08	+51 33 17·62	− 582·2	−32·5	+ 0·9	4	29·13	
471	Br. 1045	5·40 F 0	7 7 33·598	+306·89	− 0·09	− 0·21	− 0 10 37·62	− 582·4	−21·3	− 1·2	4	31·16	
472	BD + 47°, 1411	6·62 A 5	7 7 37·558	+447·96	− 1·03	− 0·33	+47 44 5·12	− 582·9	−31·1	− 8·3	4	32·43	
473	δ Mono	4·09 A 0	7 8 2·008	+306·46	− 0·09	− 0·01	− 0 22 3·21	− 586·3	−21·2	+ 0·6	1	24·90	
474	BD + 12°, 1469	5·84 K 0	7 10 21·715	+334·93	− 0·22	− 0·37	+12 14 46·13	− 605·8	−23·1	− 2·0	4	27·15	
475	λ Gemi	3·65 A 2	7 13 46·959	+345·26	− 0·29	− 0·30	+16 40 36·93	− 634·2	−23·7	− 4·3	9 19	26·64	26·24
476	Pi 7h, 56	6·36 K 2	7 13 52·220	+292·74	− 0·05	− 0·10	− 6 32 41·57	− 635·0	−20·1	+ 1·0	3 4	28·46	28·38
477	25H Caml	5·11 M 3	7 15 23·732	+1275·81	−27·29	+ 0·01	+82 33 38·11	− 647·6	−87·9	− 4·1	142 171	29·73	29·47
478	Pi 7h, 63	6·06 G 5	7 15 27·160	+313·64	− 0·13	− 0·03	+ 2 52 45·50	− 648·1	−21·5	− 1·8	4 5	28·55	28·48
479	R C. Maj	* F 0	7 16 4·452	+270·45	+ 0·01	+ 1·10	−16 15 12·94	− 653·2	−18·5	−13·2	4	30·34	
480	Br. 1063	5·21 K 0	7 17 2·007	+402·01	− 0·73	− 0·72	+36 54 11·12	− 661·1	−27·5	− 2·8	6 8	29·67	28·92
481	Br. 1065	5·16 K 2	7 17 31·365	+354·63	− 0·36	− 0·44	+20 35 11·66	− 665·2	−24·2	− 3·1	5 7	26·39	26·04
482	CD − 26°, 4223	5·84 B 3	7 17 52·155	+243·58	+ 0·05	+ 0·06	−26 49 19·45	− 668·0	−16·6	+ 1·6	4	28·70	
483	ι Gemi	3·89 K 0	7 21 4·120	+373·79	− 0·53	− 0·88	+27 56 54·29	− 694·4	−25·4	− 8·9	5 5	27·54	26·57
484	η C. Maj	2·43 B 5	7 21 7·651	+237·35	+ 0·05	− 0·05	−29 9 21·23	− 694·8	−16·1	+ 0·4	4	29·69	
485	BD + 78°, 254	7·40 G 0	7 21 27·034	+942·56	−13·78	− 1·18	+78 50 38·10	− 697·5	−64·3	−10·6	9 8	29·51	29·76
486	BD − 13°, 2001	5·82 F 0	7 21 41·529	+276·98	− 0·01	− 1·52	−13 36 11·06	− 699·5	−18·8	− 0·6	5 6	27·77	27·34
487	β C. Min	3·09 B 8	7 23 4·979	+325·82	− 0·21	− 0·34	+ 8 26 29·86	− 710·8	−22·1	− 4·2	15 42	28·57	27·90
488	BD − 22°, 1874	5·48 B 2	7 23 48·590	+254·48	+ 0·04	− 0·08	−22 56 1·94	− 716·8	−17·2	+ 0·1	6 7	32·84	32·89
489	γ C. Min	4·60 K 0	7 24 4·763	+327·21	− 0·22	− 0·42	+ 9 4 42·64	− 719·0	−22·1	+ 1·4	4 4	28·07	28·58
490	Br. 1082	5·09 K 0	7 25 8·918	+373·69	− 0·55	− 0·23	+28 4 20·08	− 727·7	−25·2	− 2·7	12 12	31·59	31·25
491	6 C. Min	4·85 K 0	7 25 37·313	+334·10	− 0·27	+ 0·00	+12 9 46·57	− 731·6	−22·5	− 1·9	4 15	28·85	29·96
492	BD − 4°, 1979	6·38 K 0	7 27 8·932	+296·27	− 0·08	− 0·07	− 5 4 6·02	− 744·0	−19·9	− 0·8	4 5	27·17	27·38
493	BD + 17°, 1596	5·64 K 0	7 27 28·964	+345·78	− 0·36	+ 0·34	+17 14 48·87	− 746·7	−23·2	− 8·4	9 10	26·01	25·92
494	BD + 46°, 1286	5·80 K 5	7 31 5·126	+436·43	− 1·28	− 0·24	+46 20 49·81	− 775·9	−29·2	− 4·1	8 8	28·77	28·27
495	BD − 7°, 2065	6·43 K 2	7 32 39·184	+289·70	− 0·06	+ 0·23	− 8 8 38·47	− 788·5	−19·2	+ 0·1	7 8	31·58	30·91

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.)
T in centuries from 1925·0, T′ in centuries from epoch.

* 459. $3^m.7$ to $4^m.1$.

* 479. $5^m.4$ to $6^m.0$.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
496	Gr. 1336.....	6·59 B 9	7 33 16·053	+476·64	− 1·89	− 0·14	+54 4 20·24	− 793·4	−31·7	− 7·6	3 4	29·82	30·90
497	BD − 19°, 1967...	5·66 B 3	7 33 23·192	+263·75	+ 0·02	+ 0·09	−19 32 2·71	− 794·4	−17·5	+ 0·7	6	32·03	
498	BD + 33°, 1560...	6·91 G 5	7 33 30·062	+388·03	− 0·76	− 0·08	+33 21 25·07	− 795·3	−25·8	− 4·3	4	29·40	
499	25 Mono.....	5·17 F 5	7 33 32·894	+298·83	− 0·10	− 0·46	− 3 56 32·68	− 795·7	−19·8	+ 1·7	22 52	27·93	28·28
500	BD + 14°, 1713...	6·66 B 9	7 33 37·161	+338·34	− 0·33	+ 0·13	+14 12 47·28	− 796·2	−22·5	− 9·8	5 8	30·56	30·80
501	Br. 1093.....	6·20 K 0	7 34 37·679	+497·62	− 2·27	− 0·17	+57 15 20·45	− 804·3	−33·0	− 1·4	6	32·14	
502	α C. Min.....	0·48 F 5	7 35 22·424	+318·87	− 0·21	− 4·72	+ 5 25 3·55	− 810·3	−21·1	−103·4	18 30	28·44	28·23
503	BD + 23°, 1780...	6·18 K 5	7 36 29·143	+359·54	− 0·51	− 0·08	+23 11 35·13	− 819·2	−23·7	− 0·4	5 8	27·10	26·86
504	Pi 7h, 189.....	6·36 G 5	7 39 14·420	+308·06	− 0·16	+ 0·05	+ 0 22 4·75	− 841·1	−20·2	− 1·2	5	25·94	
505	Br. 1098.....	6·00 K 0	7 39 30·703	+574·99	− 4·02	+ 0·56	+65 38 12·80	− 843·3	−37·8	+ 1·9	12 15	26·92	26·72
506	Br. 1100.....	6·35 A 5	7 39 40·672	+545·27	− 3·35	− 0·50	+63 0 47·87	− 844·6	−35·9	− 6·0	7 12	29·99	28·32
507	BD + 39°, 1998...	6·75 F 8	7 39 50·464	+408·04	− 1·04	+ 0·42	+39 45 4·12	− 845·9	−26·8	−68·7	8 10	25·16	25·06
508	Br. 1118.....	4·82 K 5	7 40 30·605	+242·32	+ 0·05	− 0·13	−28 13 53·72	− 851·2	−15·8	+ 2·1	3 4	26·15	26·86
509	BD + 39°, 2001...	7·07 F 0	7 40 37·187	+407·80	− 1·05	− 0·32	+39 43 44·31	− 852·0	−26·8	− 1·4	1	24·22	
510	β Gemi.....	1·21 K 0	7 40 43·495	+372·15	− 0·65	− 4·71	+28 12 30·75	− 852·9	−24·4	− 5·4	7 12	28·79	27·28
511	Br. 1115.....	5·02 K 2	7 41 46·952	+384·11	− 0·44	− 0·53	+18 41 38·68	− 861·2	−22·7	− 6·2	9 13	27·25	26·86
512	BD − 22°, 2027...	5·84 B 5	7 43 59·072	+257·94	+ 0·03	− 0·09	−22 20 2·54	− 878·6	−16·7	+ 0·4	7 8	29·66	29·24
513	BD + 5°, 1790....	6·95 K 0	7 44 4·218	+319·05	− 0·23	− 0·07	+ 5 35 48·15	− 879·3	−20·7	− 3·6	8 9	25·04	25·16
514	BD + 26°, 1656...	6·82 G 5	7 45 13·021	+366·88	− 0·63	− 0·26	+26 27 9·79	− 888·3	−23·8	− 1·8	11 14	27·14	26·94
515	ξ Pupp.....	3·47 G 0	7 46 8·343	+252·37	+ 0·04	− 0·04	−24 40 13·37	− 895·5	−16·3	− 0·2	5 4	30·53	30·35
516	BD − 10°, 2253...	6·32 K 0	7 47 22·059	+284·24	− 0·05	+ 0·02	−10 56 10·70	− 905·1	−18·3	− 4·2	5 6	28·54	28·66
517	9 Pupp.....	5·34 G 0	7 48 17·840	+278·28	− 0·03	− 0·40	−13 41 53·87	− 912·3	−17·9	−34·0	36 70	28·56	28·69
518	BD − 2°, 2322....	6·86 A 5	7 48 22·664	+301·33	− 0·14	− 0·22	− 2 51 40·02	− 913·0	−19·4	− 0·4	5	30·58	
519	Br. 1137.....	5·36 A 0	7 51 17·323	+350·49	− 0·51	− 0·12	+20 4 59·47	− 935·5	−22·4	− 4·5	21 24	29·06	28·66
520	BD + 30°, 1612...	6·86 K 0	7 51 34·173	+375·61	− 0·77	− 0·03	+30 3 4·01	− 937·7	−24·0	+ 1·1	7 8	26·26	26·25
521	BD + 44°, 1693...	6·47 K 0	7 53 0·762	+421·67	− 1·40	+ 0·37	+44 10 45·01	− 948·9	−26·9	+ 0·9	7 8	25·59	25·41
522	Br. 1139.....	5·40 K 0	7 54 27·317	+312·25	− 0·21	− 1·07	+ 2 25 32·96	− 959·9	−19·8	+ 9·7	10 15	25·14	25·01
523	Pi 7h, 267.....	6·20 K 5	7 55 23·845	+335·27	− 0·39	− 0·12	+13 26 50·07	− 967·2	−21·2	− 1·6	10 14	27·90	27·27
524	CD − 29°, 5236...	4·85 A 2	7 55 40·628	+239·23	+ 0·07	− 0·08	−30 7 54·70	− 969·2	−15·1	+ 0·3	4 4	29·97	29·72
525	BD − 18°, 2118...	4·64 A 2	7 56 30·332	+268·92	+ 0·00	− 0·06	−18 11 32·47	− 975·7	−16·9	− 4·7	4	27·38	
526	BD + 9°, 1843....	6·11 F 5	7 57 46·404	+325·97	− 0·32	− 0·04	+ 9 7 19·58	− 985·3	−20·5	+ 2·5	7	25·74	
527	BD − 5°, 2339....	6·30 G 0	7 58 44·832	+294·82	− 0·11	+ 0·05	− 6 7 38·03	− 992·7	−18·5	− 2·2	6	30·13	
528	8 Canc.....	5·11 A 0	8 0 53·844	+334·65	− 0·40	− 0·23	+13 19 58·70	−1009·0	−20·9	− 7·1	39 86	28·85	29·05
529	CD − 25°, 5530...	6·66 K 2	8 1 23·398	+252·31	+ 0·05	− 0·08	−25 29 9·02	−1012·7	−15·7	− 1·0	4 3	31·13	30·81
530	BD − 0°, 1903....	6·60 K 0	8 1 59·850	+306·56	− 0·19	− 0·15	− 0 21 30·15	−1017·3	−19·0	− 1·4	4	30·15	
531	BD − 20°, 2395...	5·25 A 3	8 3 59·397	+264·82	+ 0·02	− 0·11	−20 20 11·97	−1032·3	−16·3	− 0·9	5 6	26·70	26·43
532	ρ Pupp.....	2·88 F 5	8 4 20·888	+256·12	+ 0·05	− 0·63	−24 5 13·39	−1035·0	−15·8	+ 4·7	10 11	31·18	30·18
533	Pi 7h, 308.....	6·64 F 8	8 5 18·792	+389·25	− 1·07	+ 1·67	+35 40 51·31	−1042·2	−24·0	−23·8	4 6	26·41	25·49
534	BD + 53°, 1221...	6·81 F 5	8 5 24·769	+461·32	− 2·33	+ 0·28	+53 28 5·83	−1043·0	−28·5	− 7·0	5 5	25·09	25·20
535	Br. 1167.....	5·83 G 5	8 5 56·294	+362·21	− 0·72	− 0·48	+25 44 9·56	−1046·9	−22·3	−35·2	7 9	26·70	26·80
536	BD + 49°, 1711...	7·08 K 0	8 6 43·553	+438·94	− 1·91	− 0·13	+49 10 57·99	−1052·7	−27·0	− 0·5	6	28·90	
537	BD + 15°, 1775...	6·14 A 0	8 6 46·131	+337·43	− 0·45	− 0·18	+14 51 8·76	−1053·1	−20·7	− 2·0	8 9	28·46	28·00
538	Br. 1177.....	4·68 K 0	8 7 45·120	+281·72	− 0·04	− 0·18	−12 42 12·50	−1060·4	−17·2	+ 1·0	12 13	31·52	31·04
539	Pi 7h, 311.....	5·90 K 0	8 7 52·086	+479·72	− 2·79	− 0·20	+56 40 42·97	−1061·2	−29·4	− 3·6	7	27·29	
540	Gr. 1391.....	6·17 A 0	8 10 10·327	+1182·64	−42·19	− 0·65	+82 40 0·71	−1078·3	−72·4	− 2·9	12 16	27·85	27·27

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.)
T in centuries from 1925·0, T′ in centuries from epoch.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.		Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term					
			h m s	s	s	s	° ′ ″	″	″	″				
541	Br. 1160	6·20 K 5	8 12 26·177	+665·38	− 8·97	+ 0·12	+72 38 30·89	−1094·9	−40·4	− 2·8	11	10	27·62	27·77
542	β Canc	3·76 K 2	8 12 26·894	+325·85	− 0·36	− 0·31	+ 9 25 4·06	−1095·0	−19·7	− 5·1	31	70	28·93	29·04
543	BD + 4°, 1945	6·68 *	8 13 21·630	+315·97	− 0·27	− 0·01	+ 4 27 5·94	−1101·7	−19·0	+ 0·7	6		29·18	
544	Br. 1184	6·31 A 0	8 13 56·769	+275·21	− 0·01	− 0·13	−16 3 6·63	−1106·0	−16·5	− 1·0	6	7	28·47	28·15
545	BD − 9°, 2471	6·32 A 5	8 15 39·382	+287·86	− 0·08	− 0·37	− 9 55 51·19	−1118·4	−17·2	+ 2·6	4	5	27·58	26·91
546	λ Canc	5·87 A 0	8 16 4·693	+357·20	− 0·72	− 0·15	+24 15 35·10	−1121·5	−21·3	− 2·6	5	8	25·16	25·43
547	Pi 8h, 30	6·48 G 5	8 16 26·579	+505·82	− 3·69	+ 0·13	+60 52 12·53	−1124·1	−30·3	− 0·5	11	13	28·21	28·22
548	BD + 32°, 1725	7·48 A 3	8 19 9·620	+377·29	− 1·02	− 0·04	+32 32 7·50	−1143·7	−22·3	+ 0·0	4	6	26·67	26·49
549	Br. 1187	6·29 K 5	8 19 49·142	+328·32	− 0·40	+ 0·03	+10 52 29·24	−1148·4	−19·4	− 2·7	5	8	28·21	26·96
550	CD − 28°, 5961	6·57 A 0	8 20 43·758	+247·42	+ 0·09	+ 0·02	−28 43 39·23	−1154·9	−14·5	+ 1·2	4		31·14	
551	Br. 1192	6·18 F 2	8 21 35·148	+341·20	− 0·55	− 1·32	+17 17 39·37	−1161·1	−20·0	−15·8	6	7	31·15	30·44
552	Pi 8h, 72	5·46 K 5	8 21 49·330	+259·27	+ 0·06	− 0·29	−23 48 7·29	−1162·7	−15·1	+ 2·1	4		31·66	
553	Pi 8h, 67	5·23 K 0	8 21 53·416	+322·21	− 0·35	− 0·23	+ 7 48 36·14	−1163·2	−18·9	− 0·8	5	6	29·12	28·29
554	Br. 1197	3·95 A 0	8 21 54·729	+300·32	− 0·16	− 0·44	− 3 39 38·76	−1163·4	−17·6	− 2·6	10	26	30·60	31·74
555	BD − 14°, 2517	5·91 A 2	8 22 26·501	+278·81	− 0·02	− 0·09	−14 41 4·94	−1167·1	−16·3	+ 3·0	3	4	31·25	31·47
556	Br. 1199	5·41 A 5	8 22 42·335	+300·18	− 0·16	− 0·36	− 3 44 23·63	−1169·0	−17·5	− 6·2	4		27·91	
557	Gr. 1119	7·01 A 0	8 23 37·176	+5735·85	+1597·28	− 3·20	+88 51 28·10	−1175·6	−338·4	+ 0·6	130	122	29·61	28·60
558	BD + 26°, 1789	6·67 A 0	8 25 19·435	+360·82	− 0·82	− 0·23	+26 26 37·54	−1187·5	−20·9	− 1·5	7	10	27·16	26·47
559	Br. 1204	6·14 F 2	8 28 33·266	+386·66	− 1·25	− 1·17	+36 41 31·08	−1210·2	−22·2	− 0·6	6	13	25·02	25·05
560	BD + 36°, 1840	5·83 A 2	8 29 55·015	+386·26	− 1·26	− 0·22	+36 40 40·13	−1219·7	−22·1	− 5·0	2		24·72	
561	Br. 1202	5·69 G 0	8 32 33·139	+535·60	− 5·25	− 0·39	+65 16 54·26	−1237·9	−30·4	+ 8·5	11	12	29·14	29·02
562	Gr. 1431	6·69 A 0	8 32 58·394	+1105·30	−43·92	− 0·43	+82 30 27·55	−1240·8	−63·0	− 2·0	10	11	30·60	30·39
563	Br. 1213	5·98 A 0	8 33 1·870	+325·63	− 0·41	− 0·22	+ 9 55 2·73	−1241·2	−18·4	− 1·2	4	5	28·21	27·40
564	BD − 18°, 2416	7·06 G 5	8 33 33·415	+272·40	+ 0·02	+ 0·03	−18 25 6·08	−1244·8	−15·3	− 2·7	4		29·66	
565	δ Hyda	4·18 A 0	8 33 41·142	+318·22	− 0·33	− 0·46	+ 5 57 58·65	−1245·7	−17·9	− 1·3	15	32	27·99	28·24
566	BD + 51°, 1443	6·96 G 5	8 35 15·108	+439·10	− 2·45	− 0·24	+51 41 44·00	−1256·4	−24·7	+ 5·0	6		33·71	33·20
567	Br. 1220	6·68 F 0	8 35 24·221	+345·25	− 0·66	− 0·25	+20 2 37·38	−1257·4	−19·3	− 1·7	6	10	28·62	28·14
568	Br. 1214	5·52 K 0	8 35 50·402	+415·25	− 1·91	+ 0·28	+46 5 53·77	−1260·4	−23·3	+ 8·4	5	5	26·63	27·08
569	BD − 8°, 2452	6·48 A 0	8 37 23·328	+291·31	− 0·09	− 0·19	− 8 47 5·13	−1270·9	−16·1	− 0·3	3	6	26·85	26·31
570	η Hyda	4·32 B 3	8 39 18·242	+313·86	− 0·29	− 0·12	+ 3 40 7·88	−1283·8	−17·3	− 0·5	4	5	30·46	29·20
571	δ Canc	4·17 K 0	8 40 25·460	+341·34	− 0·63	− 0·10	+18 25 51·01	−1291·3	−18·8	−23·6	29	49	28·58	28·81
572	Br. 1233	6·14 K 0	8 40 45·528	+368·55	− 1·05	+ 0·00	+30 58 13·85	−1293·5	−20·2	− 0·8	4	5	26·13	26·36
573	Br. 1240	6·00 A 2	8 41 2·953	+317·91	− 0·34	− 0·02	+ 5 57 12·06	−1295·5	−17·4	− 0·8	6	8	29·47	29·03
574	BD − 20°, 2667	6·13 A 2	8 41 33·855	+268·43	+ 0·06	− 0·08	−20 53 41·10	−1298·9	−14·6	+ 0·3	8	10	32·83	32·90
575	BD − 10°, 2634	6·47 K 5	8 42 30·972	+288·06	− 0·06	− 0·14	−10 43 57·71	−1305·2	−15·7	+ 2·3	4		26·69	
576	ε Hyda	3·48 F 8	8 42 48·308	+319·17	− 0·35	− 1·28	+ 6 41 41·55	−1307·1	−17·4	− 5·4	5	7	25·25	25·23
577	CD − 26°, 6417	7·32 *	8 42 57·139	+257·15	+ 0·11	− 0·12	−26 20 16·82	−1308·1	−13·9	− 1·0	5		31·01	
578	Pi 8h, 167	5·22 A 0	8 43 26·863	+304·42	− 0·20	− 0·22	− 1 37 16·57	−1311·4	−16·5	− 0·2	3	5	26·86	26·41
579	Br. 1247	5·24 G 5	8 46 55·130	+403·61	− 1·81	− 0·10	+44 0 25·35	−1334·2	−21·7	+ 4·1	4		32·18	
580	BD + 59°, 1198	6·08 F 0	8 47 11·379	+475·32	− 3·78	+ 0·20	+59 20 18·51	−1336·0	−25·5	− 0·2	6	7	33·54	33·51
581	BD + 78°, 297	7·40 F 0	8 48 41·210	+791·16	−20·65	− 0·55	+78 25 57·56	−1345·7	−42·4	− 1·0	6	8	31·72	31·48
582	BD − 8°, 2518	7·42 *	8 50 35·406	+292·63	− 0·09	− 0·06	− 8 28 32·28	−1358·0	−15·4	− 0·3	5	6	31·59	30·34
583	ζ Hyda	3·30 K 0	8 51 25·761	+317·98	− 0·35	− 0·67	+ 6 13 55·22	−1363·4	−16·7	+ 1·1	22	33	29·44	30·48
584	BD − 17°, 2691	5·90 K 0	8 51 45·599	+275·58	+ 0·04	+ 0·18	−17 57 16·01	−1365·5	−14·4	− 0·3	5	7	32·62	33·09
585	60 Canc	5·70 K 0	8 51 49·874	+327·91	− 0·48	− 0·07	+11 54 49·60	−1366·0	−17·2	− 1·5	4	5	29·96	29·03

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 543. G0 + A2 F8.
* 577. K0 + A3.
* 582. F0 + A2.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +
				1st Term	2nd Term			1st Term	2nd Term			
			h m s	s	s	s	° ′ ″	″	″	″		
586	BD + 22°, 2029...	7·01 G 5	8 52 45·305	+346·94	− 0·76	+ 0·02	+22 8 57·07	−1371·9	−18·1	− 0·9	4	25·61
587	ι U. Maj.....	3·12 A 5	8 54 4·495	+416·18	− 2·23	− 4·42	+48 20 13·22	−1380·3	−21·7	−24·4	4	31·01
588	α Canc.....	4·27 A 3	8 54 23·184	+328·11	− 0·49	+ 0·24	+12 8 56·70	−1382·2	−17·0	− 3·7	27 47	29·08 29·46
589	Gr. 1496.....	6·54 K 5	8 55 44·954	+382·18	− 1·45	− 0·04	+37 53 49·83	−1390·8	−19·8	− 0·6	5 6	26·17 26·18
590	BD + 0°, 2449....	5·80 K 0	8 58 8·060	+306·97	− 0·23	− 0·34	− 0 11 19·18	−1405·8	−15·6	+ 7·4	7 8	26·35 26·47
591	κ U. Maj.....	3·68 A 0	8 58 30·714	+410·90	− 2·17	− 0·31	+47 27 15·31	−1408·1	−21·0	− 6·2	7 6	24·89 24·71
592	BD − 4°, 2530....	6·74 A 0	8 59 59·171	+299·22	− 0·14	− 0·05	− 4 52 25·44	−1417·3	−15·1	+ 0·3	5 8	25·81 25·82
593	BD + 84°, 196....	6·26 F 0	8 59 59·457	+1286·09	−81·05	+ 1·84	+84 29 8·60	−1417·3	−66·0	+ 1·4	10 12	28·41 28·20
594	ω Hyda.....	5·41 K 0	9 2 1·470	+316·12	− 0·34	− 0·11	+ 5 23 34·59	−1429·8	−15·8	− 1·0	4 5	26·71 26·82
595	τ Canc.....	5·38 G 5	9 3 30·051	+360·90	− 1·08	− 0·22	+29 57 23·94	−1438·9	−18·0	− 0·5	5	30·05
596	κ Canc.....	5·14 B 8	9 3 41·145	+325·30	− 0·47	− 0·16	+10 58 15·55	−1440·0	−16·2	− 1·3	34 63	28·30 28·81
597	Br. 1286.....	5·96 G 5	9 4 22·703	+354·38	− 0·96	− 0·92	+26 56 24·19	−1444·2	−17·6	−37·4	5 5	30·44 29·22
598	τ U. Maj.....	4·74 *	9 4 45·274	+495·46	− 5·15	+ 1·51	+63 49 12·73	−1446·5	−24·7	− 6·6	12 14	28·43 29·12
599	CD − 26°, 6766...	6·20 A 2	9 5 27·568	+261·38	+ 0·16	− 0·27	−26 27 48·43	−1450·7	−12·8	+ 1·2	4	33·15
600	BD − 11°, 2565...	5·81 K 0	9 5 35·702	+287·60	− 0·03	+ 0·13	−12 3 11·41	−1451·5	−14·1	− 1·1	3 4	26·21 27·44
601	BD − 20°, 2803...	7·42 K 0	9 5 45·123	+272·62	+ 0·09	+ 0·04	−20 37 21·06	−1452·5	−13·4	+ 0·8	4 5	31·10 31·22
602	Br. 1296.....	6·75 A 0	9 7 44·252	+337·55	− 0·67	− 0·25	+18 21 7·96	−1464·4	−16·5	− 2·6	14	25·78 25·85
603	θ Hyda.....	3·84 A 0	9 10 27·793	+311·42	− 0·28	+ 0·87	+ 2 37 52·50	−1480·6	−15·0	−31·5	19 48	27·64 28·80
604	Br. 1297.....	4·89 A 5	9 10 48·082	+432·59	− 3·05	+ 0·64	+54 19 58·10	−1482·6	−20·9	+ 5·5	5	25·62
605	Gr. 1522.....	6·54 G 5	9 12 13·879	+625·74	−12·46	− 0·86	+74 19 59·18	−1491·0	−30·2	− 7·2	11 11	29·54 29·74
606	Pi 9h, 19.....	5·70 A 0	9 12 29·706	+403·38	− 2·20	+ 0·21	+47 7 51·48	−1492·5	−19·3	+ 0·8	3 4	31·08 31·45
607	BD + 1°, 2267....	6·54 F 5	9 12 48·800	+308·90	− 0·25	− 0·66	+ 1 2 35·10	−1494·4	−14·7	− 1·5	4 5	31·12 29·79
608	Br. 1307.....	5·40 K 0	9 12 58·238	+297·86	− 0·12	+ 0·13	− 6 2 21·70	−1495·3	−14·1	+ 0·3	5	32·43
609	BD + 23°, 2072...	7·13 K 0	9 13 26·998	+345·69	− 0·84	− 0·28	+23 23 37·39	−1498·1	−16·4	− 1·7	7 8	27·93 27·13
610	BD − 16°, 2749...	6·91 A 0	9 15 26·983	+281·27	+ 0·05	+ 0·13	−16 29 2·49	−1509·6	−13·2	− 2·3	7 6	29·10 29·93
611	BD + 57°, 1214...	5·98 M 3	9 16 13·576	+442·22	− 3·52	− 0·10	+57 1 5·13	−1514·1	−20·8	− 1·3	5 4	28·80 28·72
612	α Lync.....	3·30 K 5	9 16 29·379	+367·86	− 1·33	− 1·76	+34 42 38·43	−1515·6	−17·2	+ 1·2	5 7	27·15 26·60
613	BD + 13°, 2074...	6·58 F 5	9 17 12·863	+328·09	− 0·54	− 0·29	+13 25 55·25	−1519·7	−15·3	− 8·6	8 8	29·60 28·96
614	θ Pyxi.....	4·93 M 0	9 18 10·238	+265·65	+ 0·18	− 0·11	−25 38 43·86	−1525·2	−12·2	− 1·1	4	30·46
615	BD + 37°, 1978...	6·45 A 5	9 19 44·732	+371·88	− 1·46	− 0·68	+36 54 35·34	−1534·1	−17·1	− 3·4	8 10	26·19 25·90
616	Pi 9h, 75.....	4·90 K 0	9 19 57·275	+260·61	+ 0·22	− 1·06	−28 30 43·95	−1535·3	−11·9	+ 1·6	4	28·51
617	Pi 9h, 74.....	6·27 K 0	9 21 23·310	+333·20	− 0·64	− 0·60	+16 54 36·42	−1543·3	−15·2	− 2·2	8 9	25·07 24·97
618	CD − 24°, 8060...	6·91 B 9	9 22 16·281	+267·68	+ 0·18	− 0·14	−25 0 44·98	−1548·2	−12·1	+ 1·8	6 6	31·17 31·70
619	α Hyda.....	2·16 K 2	9 23 54·061	+294·96	− 0·07	− 0·10	− 8 19 57·38	−1557·2	−13·2	+ 3·0	7 19	28·38 27·82
620	Br. 1334.....	4·78 F 5	9 25 20·502	+303·72	− 0·17	+ 0·85	− 2 26 25·24	−1565·1	−13·5	− 1·7	4 3	28·77 29·96
621	Br. 1331.....	5·98 K 0	9 26 11·512	+363·30	− 1·31	− 0·12	+33 59 10·27	−1569·8	−16·1	− 5·1	4	28·96
622	1H Drac.....	4·58 K 2	9 26 31·574	+873·09	−37·74	− 0·69	+81 39 35·87	−1571·6	−39·2	− 2·2	186 196	29·30 28·54
623	BD + 28°, 1768...	6·59 A 0	9 26 54·955	+350·77	− 1·02	− 0·26	+27 43 4·39	−1573·7	−15·5	− 2·9	4 5	31·75 31·22
624	θ U. Maj.....	3·26 F 8	9 27 50·718	+412·75	− 2·78	−10·28	+52 1 11·07	−1578·7	−18·2	−54·4	4	28·18
625	Br. 1339.....	5·28 K 0	9 27 56·420	+321·86	− 0·45	− 0·03	+10 2 50·11	−1579·2	−14·1	− 1·7	5	29·03
626	BD + 2°, 2217....	6·15 F 5	9 28 48·772	+310·42	− 0·27	− 0·11	+ 2 11 49·19	−1583·9	−13·5	− 3·9	4	30·04
627	BD − 12°, 2926...	6·21 K 5	9 29 19·661	+288·15	+ 0·03	− 0·01	−13 11 3·01	−1586·7	−12·5	− 2·0	6	27·16
628	Br. 1336.....	4·65 A 0	9 29 41·732	+413·04	− 2·84	− 0·70	+52 23 9·44	−1588·6	−18·0	− 4·2	6 7	25·73 25·83
629	BD − 18°, 2728...	6·25 A 0	9 32 4·367	+279·21	+ 0·13	− 0·28	−19 14 49·75	−1601·2	−11·9	− 4·9	5 6	28·60 28·52
630	BD + 67°, 602....	6·28 K 5	9 33 16·152	+501·07	− 6·83	− 0·13	+67 36 40·32	−1607·5	−21·5	− 4·5	11	27·65

Position 1925 + T = Position 1925 + T (1st Term) + T² (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 598. F5 + A5.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +
				1st Term	2nd Term			1st Term	2nd Term			
			h m s	s	s	s	° ′ ″	″	″	″		
631	BD + 43°, 1943...	6·63 K 0	9 34 25·140	+382·48	− 1·93	− 0·38	+43 29 2·70	−1613·5	−16·2	− 7·0	4 5	25·41 25·58
632	BD + 20°, 2351...	6·80 B 9	9 34 42·284	+337·09	− 0·76	− 0·15	+20 38 11·88	−1615·0	−14·2	− 1·5	5 7	28·37 27·75
633	ι Hyda.....	4·10 K 0	9 36 1·544	+306·18	− 0·20	+ 0·31	− 0 48 5·94	−1621·8	−12·8	− 6·9	23 39	27·79 28·48
634	Br. 1358.....	6·19 B 9	9 36 7·572	+293·12	− 0·01	− 0·19	−10 13 50·44	−1622·3	−12·2	+ 0·2	4	28·45
635	o Leon.....	3·76 *	9 37 8·888	+321·36	− 0·46	− 0·96	+10 14 3·50	−1627·5	−13·3	− 4·1	28 42	28·48 28·72
636	Br. 1354.....	5·50 K 0	9 37 21·834	+372·88	− 1·69	− 0·45	+40 6 1·50	−1628·6	−15·5	− 4·6	4 5	27·49 27·23
637	Gr. 1573.....	6·34 A 0	9 37 47·632	+395·95	− 2·42	− 0·26	+48 46 25·43	−1630·8	−16·4	− 1·9	4 5	29·50 29·46
638	13 L. Min.....	6·03 F 2	9 38 11·699	+362·44	− 1·40	− 0·12	+35 26 12·86	−1632·9	−15·0	− 5·5	5 6	29·85 29·24
639	ψ Leon.....	5·62 M 0	9 39 38·909	+326·95	− 0·57	+ 0·01	+14 21 55·80	−1640·2	−13·3	− 0·5	6 5	26·40 25·42
640	Pi 9h, 167.....	6·78 G 5	9 41 9·596	+275·91	+ 0·20	− 0·42	−22 24 25·81	−1647·8	−11·1	+ 0·6	8	26·73
641	ε Leon.....	3·12 G 0	9 41 35·803	+341·26	− 0·89	− 0·32	+24 7 13·34	−1649·9	−13·8	− 1·8	11 15	24·85 25·02
642	BD + 19°, 2254...	6·92 K 0	9 41 42·046	+333·44	− 0·71	+ 0·16	+19 1 46·94	−1650·5	−13·4	− 1·9	5 7	25·02 25·06
643	BD + 7°, 2181....	5·99 M 0	9 42 12·714	+316·64	− 0·37	+ 0·03	+ 7 3 19·54	−1653·0	−12·7	− 3·4	8 10	29·72 29·40
644	υ U. Maj.....	3·89 F 0	9 45 40·216	+432·23	− 4·04	− 3·82	+59 23 32·80	−1669·9	−17·1	−15·9	11 14	24·86 24·85
645	Br. 1382.....	5·33 A 2	9 47 37·721	+340·92	− 0·91	+ 0·06	+24 45 3·55	−1679·3	−13·2	−18·4	14 19	25·59 25·60
646	BD + 61°, 1151...	6·42 K 0	9 49 35·934	+439·72	− 4·54	+ 0·09	+61 28 14·58	−1688·7	−16·9	− 0·4	14 15	26·46 26·32
647	Br. 1391.....	6·60 F 2	9 52 7·660	+352·77	− 1·26	− 0·37	+32 44 26·16	−1700·5	−13·2	+ 0·7	15 20	26·63 26·33
648	BD − 6°, 3033....	7·03 K 0	9 52 24·370	+298·25	− 0·04	− 0·19	− 7 17 20·29	−1701·8	−11·1	− 1·2	12 13	26·58 26·41
649	Gr. 1594.....	5·71 K 5	9 54 42·682	+414·96	− 3·58	− 0·37	+57 10 17·24	−1712·3	−15·4	− 3·5	6 8	24·87 24·83
650	BD + 22°, 2148..	6·61 A 2	9 55 17·625	+334·78	− 0·80	− 0·29	+21 40 48·93	−1715·0	−12·3	+ 2·7	7	27·25
651	π Leon.....	4·89 M 0	9 56 15·045	+317·43	− 0·40	− 0·21	+ 8 24 17·17	−1719·3	−11·5	− 2·8	52 106	28·89 28·98
652	BD + 84°, 225....	6·48 K 0	9 56 48·951	+990·58	−70·12	− 0·31	+84 16 56·41	−1721·8	−36·6	+ 0·4	11	28·09
653	BD − 0°, 2281....	7·16 A 0	9 57 45·510	+308·06	− 0·18	.....	− 0 39 21·91	−1726·0	−11·0	.....	1	24·22
654	BD − 0°, 2285....	7·02 K 0	9 58 59·405	+306·45	− 0·17	+ 0·06	− 0 42 12·53	−1731·5	−10·9	− 8·9	11 12	26·31 26·47
655	CD − 23°, 8973...	5·80 F 0	10 0 52·983	+277·84	+ 0·28	− 0·71	−23 55 18·56	−1739·8	− 9·7	+ 2·2	9	26·14
656	CD − 27°, 7179...	6·87 B 9	10 1 24·571	+272·39	+ 0·35	− 0·26	−27 49 25·95	−1742·1	− 9·4	− 0·5	3 2	30·62 30·78
657	BD + 45°, 1798...	7·49 F 2	10 2 28·702	+373·82	− 2·09	− 0·39	+45 25 33·22	−1746·7	−13·0	− 2·0	5 6	28·82 28·23
658	Br. 1404.....	6·29 G 5	10 2 52·108	+314·12	− 0·33	− 0·23	+ 5 58 40·26	−1748·3	−10·8	− 2·1	6 9	27·78 27·12
659	η Leon.....	3·58 A 0	10 3 14·727	+327·37	− 0·64	− 0·01	+17 7 44·54	−1749·9	−11·3	− 0·8	48 94	29·22 29·07
660	α Leon.....	1·34 B 8	10 4 22·691	+321·40	− 0·50	− 1·69	+12 20 4·06	−1754·8	−10·9	+ 0·1	15 14	27·93 27·84
661	Br. 1408.....	7·11 G 5	10 5 1·525	+329·28	− 0·70	+ 0·38	+18 53 59·64	−1757·5	−11·2	− 6·8	4	29·28
662	BD − 12°, 3101...	5·42 F 0	10 6 26·435	+293·26	+ 0·09	− 0·87	−12 26 40·89	−1763·4	− 9·8	−11·7	4 3	29·73 29·91
663	Pi 9h, 254.....	6·51 K 0	10 6 28·002	+362·56	− 1·74	− 0·12	+41 1 50·93	−1763·5	−12·2	− 1·0	5 7	25·22 25·64
664	Gr. 1619.....	6·14 K 0	10 6 46·350	+356·38	− 1·53	− 0·24	+37 46 19·41	−1764·8	−11·9	− 3·3	4 6	27·54 26·78
665	λ Hyda.....	3·83 K 0	10 6 55·760	+293·85	+ 0·08	− 1·39	−11 58 58·41	−1765·4	− 9·8	− 9·3	40 80	29·36 29·56
666	BD + 28°, 1852	6·96 G 5	10 8 27·191	+341·38	− 1·06	− 0·24	+28 36 47·23	−1771·7	−11·3	− 1·7	8 9	25·88 26·14
667	BD + 79°, 328....	6·72 A 0	10 8 30·136	+638·55	−22·33	+ 0·56	+79 19 8·81	−1771·9	−21·4	− 0·5	11 12	28·30 28·04
668	BD + 71°, 534....	6·58 A 3	10 11 49·776	+448·19	− 8·83	− 0·68	+71 26 9·41	−1785·3	−15·8	− 5·2	13 14	28·08 28·34
669	Br. 1424.....	5·91 G 0	10 12 23·245	+334·05	− 0·87	− 1·48	+23 52 35·23	−1787·5	−10·6	+ 2·9	7 8	25·65 25·58
670	λ U. Maj.....	3·52 A 2	10 12 34·773	+364·15	− 1·90	− 1·50	+43 17 22·17	−1788·3	−11·6	− 4·5	3 7	25·95 25·70
671	Br. 1426.....	5·74 M 0	10 12 39·271	+322·44	− 0·54	− 0·15	+14 6 10·30	−1788·6	−10·2	− 2·2	5 7	28·66 27·98
672	BD − 18°, 2885...	6·57 A 2	10 12 57·778	+286·64	+ 0·23	− 0·17	−18 56 1·84	−1789·8	− 9·0	− 1·3	7	29·83
673	ε Sext.....	5·40 F 0	10 13 54·084	+299·22	+ 0·01	− 1·07	− 7 41 37·33	−1793·5	− 9·4	+ 0·3	30 68	28·79 29·65
674	Gr. 1638.....	6·22 K 0	10 15 40·664	+389·93	− 3·08	− 0·43	+54 35 38·22	−1800·4	−12·1	− 1·0	5	25·81
675	Br. 1435.....	6·53 B 3	10 17 9·638	+309·98	− 0·22	− 0·05	+ 2 40 3·02	−1806·0	− 9·4	− 0·5	4	29·76

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 635. F 5 + A 3.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
676	μ U. Maj.	3·21 K 5	10 17 51·934	+358·92	− 1·78	− 0·73	+41 52 38·76	−1808·7	−10·9	+ 2·5	7 8	30·00	30·16
677	BD − 22°, 2904...	6·48 A 3	10 17 56·833	+282·45	+ 0·33	− 0·36	−23 19 57·93	−1809·0	− 8·5	+ 2·0	6 7	32·94	31·98
678	Br. 1438.	5·83 A 3	10 18 47·425	+346·22	− 1·32	− 0·07	+34 17 14·78	−1812·2	−10·4	− 1·8	4 5	31·29	30·08
679	29H Caml.	5·64 A 3	10 18 59·659	+914·22	−71·46	− 9·12	+84 38 4·17	−1813·0	−28·0	− 4·3	66 76	28·20	27·61
680	Pi 10h, 64.	5·92 M 0	10 21 18·094	+316·28	− 0·39	+ 0·07	+ 9 9 59·45	−1821·4	− 9·2	− 4·2	6	29·25	
681	CD − 28°, 8164...	6·80 F 0	10 21 56·095	+276·78	+ 0·45	− 0·41	−28 48 44·45	−1823·8	− 8·0	+ 0·6	4	31·78	
682	30H Caml.	5·34 F 2	10 22 4·805	+754·46	−43·16	− 4·44	+82 56 28·96	−1824·3	−22·4	+ 2·3	106 91	30·47	29·50
683	μ Hyda.	4·06 K 5	10 22 27·639	+290·99	+ 0·21	− 0·89	−16 27 10·75	−1825·7	− 8·4	− 8·1	2 3	26·70	27·51
684	BD + 60°, 1263...	7·01 K 0	10 22 46·526	+402·47	− 3·98	− 0·79	+59 58 48·21	−1826·8	−11·7	− 3·3	8 10	31·38	31·32
685	α Antl.	4·42 K 5	10 23 42·981	+272·94	+ 0·50	− 0·60	−30 41 6·29	−1830·2	− 7·8	+ 0·8	4	29·76	
686	BD + 16°, 2123...	7·17 F 8	10 24 25·087	+322·94	− 0·59	− 0·90	+16 8 20·53	−1832·7	− 9·1	− 1·0	6 8	26·57	26·48
687	BD + 29°, 2057...	6·92 K 0	10 25 41·511	+336·87	− 1·05	+ 0·11	+28 57 55·67	−1837·1	− 9·4	− 0·5	11 13	26·16	26·02
688	Gr. 1658.	4·84 A 5	10 28 51·628	+351·97	− 1·68	− 1·20	+40 48 43·54	−1848·1	− 9·5	− 0·8	6 5	27·67	
689	ρ Leon.	3·85 B 0	10 28 51·773	+316·12	− 0·39	− 0·05	+ 9 41 35·16	−1848·1	− 8·5	− 0·6	44 91	28·78	29·41
690	Br. 1465.	5·58 A 2	10 29 13·838	+343·88	− 1·36	− 0·24	+35 22 31·87	−1849·3	− 9·3	− 1·4	10 12	26·56	26·26
691	BD + 22°, 2236...	7·32 K 0	10 30 18·485	+327·85	− 0·77	+ 0·03	+21 58 52·70	−1852·9	− 8·7	− 0·5	5 6	29·00	28·38
692	BD + 2°, 2334....	6·73 K 2	10 31 14·065	+309·57	− 0·20	− 0·18	+ 2 35 32·67	−1856·0	− 8·1	+ 0·2	4 7	28·23	27·40
693	BD − 11°, 2918...	5·85 F 8	10 32 48·215	+296·89	+ 0·14	+ 1·73	−11 49 38·37	−1861·1	− 7·6	−67·6	11 12	26·26	26·18
694	BD − 8°, 2963....	7·12 G 0	10 33 15·460	+299·95	+ 0·07	− 0·66	− 8 26 57·91	−1862·6	− 7·7	− 5·9	7 8	25·55	25·40
695	φ Hyda.	5·11 K 0	10 34 55·525	+292·93	+ 0·25	− 0·71	−16 29 12·13	−1868·0	− 7·3	+ 2·2	8 12	27·00	27·10
696	BD + 47°, 1797...	7·30 A 2	10 35 39·560	+359·25	− 2·15	− 0·39	+47 13 56·68	−1870·3	− 9·0	− 5·0	9 11	27·24	26·80
697	Br. 1458.	6·70 A 0	10 36 10·529	+602·99	−25·42	+ 0·74	+80 49 9·18	−1871·9	−15·3	+ 0·9	16 18	27·83	27·66
698	BD + 11°, 2269...	7·29 K 5	10 38 19·959	+316·13	− 0·40	− 0·33	+10 44 54·95	−1878·5	− 7·6	− 2·5	8 10	25·88	25·76
699	Br. 1487.	6·34 K 0	10 39 27·345	+311·42	− 0·25	+ 0·14	+ 5 8 30·04	−1882·0	− 7·4	− 3·4	7 10	25·26	25·28
700	CD − 23°, 9500...	6·81 K 0	10 40 52·279	+287·53	+ 0·43	− 0·10	−23 35 29·95	−1886·2	− 6·7	+ 2·1	7 8	27·42	27·15
701	Br. 1492.	5·64 K 0	10 42 22·203	+322·82	− 0·66	+ 0·66	+19 17 14·34	−1890·6	− 7·4	− 4·5	10 12	25·33	
702	CD − 25°, 8237...	6·86 K 0	10 43 8·725	+286·16	+ 0·48	− 1·33	−25 39 12·86	−1892·8	− 6·5	+ 4·7	4	28·76	
703	BD − 1°, 2446....	6·19 M 0	10 44 51·048	+306·11	− 0·07	− 0·09	− 1 33 45·32	−1897·7	− 6·8	+ 0·5	4	28·76	
704	53 Leon.	5·27 A 0	10 45 18·932	+315·55	− 0·39	− 0·04	+10 56 32·92	−1899·0	− 7·0	− 3·1	48 110	28·25	28·97
705	Br. 1501.	6·12 F 5	10 45 46·543	+330·25	− 0·99	− 0·04	+28 22 13·16	−1900·3	− 7·3	+ 2·7	7 9	29·68	29·18
706	Pi 10h, 171.	6·58 K 0	10 48 2·533	+361·86	− 2·65	− 0·78	+52 54 11·27	−1906·5	− 7·7	− 5·9	7 9	25·24	25·25
707	BD − 12°, 3293...	5·84 G 0	10 50 34·261	+297·81	+ 0·23	+ 0·00	−13 21 30·86	−1913·2	− 6·1	+ 0·9	10 14	26·35	26·12
708	Br. 1517.	6·05 F 2	10 51 50·874	+308·06	− 0·12	+ 0·70	+ 1 8 14·56	−1916·5	− 6·2	− 0·4	14 15	24·88	24·91
709	BD + 20°, 2538...	6·94 K 0	10 54 36·989	+320·99	− 0·65	+ 0·11	+20 1 26·53	−1923·5	− 6·2	− 1·8	10 12	26·35	26·34
710	BD − 18°, 3072...	6·96 K 0	10 55 15·493	+294·31	+ 0·38	+ 0·28	−19 12 4·25	−1925·0	− 5·6	− 8·4	5 6	30·29	30·28
711	BD + 36°, 2139...	6·22 M 0	10 55 21·913	+334·79	− 1·34	+ 0·59	+36 29 46·53	−1925·3	− 6·4	− 5·6	3 5	29·62	28·27
712	BD − 9°, 3182....	7·06 A 0	10 55 32·185	+300·79	+ 0·16	− 0·20	− 9 55 23·77	−1925·7	− 5·7	+ 2·2	4	27·22	
713	BD + 12°, 2284...	6·36 F 5	10 55 45·930	+315·21	− 0·40	− 1·58	+12 6 26·45	−1926·3	− 5·9	+ 3·5	4 5	31·12	30·92
714	58 Leon.	5·05 K 0	10 56 41·231	+309·84	− 0·18	+ 0·09	+ 4 1 13·86	−1928·5	− 5·7	− 1·9	34 86	29·12	29·37
715	β U. Maj.	2·44 A 0	10 57 19·674	+362·40	− 3·07	+ 1·00	+56 47 5·71	−1930·0	− 6·7	+ 2·9	6	31·12	
716	BD + 62°, 1160...	7·12 F 8	10 58 44·776	+373·82	− 3·98	− 1·70	+62 3 33·61	−1933·3	− 6·8	− 7·3	10	28·43	
717	BD − 2°, 3270....	7·13 G 5	10 58 47·820	+305·37	+ 0·01	− 0·14	− 3 6 30·25	−1933·4	− 5·5	− 2·6	6	26·92	
718	α U. Maj.	1·95 K 0	10 59 6·651	+373·70	− 3·99	− 1·70	+62 9 22·41	−1934·2	− 6·7	− 7·0	11	30·11	30·60
719	BD + 32°, 2102...	7·32 G 5	11 0 33·252	+328·56	− 1·09	− 0·21	+31 50 27·81	−1937·4	− 5·7	+ 1·6	7 9	26·78	26·46
720	χ Leon.	4·66 F 0	11 1 8·826	+311·89	− 0·27	− 2·29	+ 7 44 30·49	−1938·7	− 5·4	− 5·0	25 62	29·12	29·17

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.		Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term					
			h m s	s	s	s	° ′ ″	″	″	″				
721	BD − 10°, 3190...	6·14 A 3	11 1 48·012	+300·95	+ 0·20	+ 0·10	−10 40 55·80	−1940·2	− 5·1	− 9·6	6		27·74	
722	BD + 18°, 2452...	6·59 K 5	11 2 45·561	+318·10	− 0·57	+ 0·16	+18 8 36·20	−1942·3	− 5·3	− 3·7	6	8	26·41	26·25
723	BD − 20°, 3347...	7·22 A 0	11 2 51·660	+294·78	+ 0·44	− 0·28	−20 45 40·51	−1942·5	− 4·9	− 1·2	7		31·12	31·25
724	BD + 72°, 515....	6·87 F 0	11 3 18·675	+410·20	− 7·69	− 0·78	+72 21 54·79	−1943·5	− 6·9	− 1·3	11		29·18	29·04
725	BD + 82°, 325....	7·06 G 0	11 4 27·580	+539·61	−26·49	− 4·81	+82 8 30·94	−1945·9	− 9·0	−19·0	11	12	28·57	28·48
726	Br. 1541.....	5·63 A 2	11 4 47·786	+322·19	− 0·80	+ 0·04	+25 3 53·34	−1946·6	− 5·2	− 0·1	11	15	26·90	26·94
727	Br. 1544.....	5·49 A 2	11 5 6·005	+290·65	+ 0·63	− 0·61	−27 40 25·16	−1947·2	− 4·6	− 2·3	4	6	28·49	27·56
728	ψ U. Maj.....	3·15 K 0	11 5 27·172	+338·68	− 1·80	− 0·59	+44 54 20·88	−1948·0	− 5·4	− 3·5	9	11	25·36	25·45
729	BD + 86°, 161....	7·17 A 2	11 5 44·316	+760·89	−83·18	− 3·52	+86 2 51·54	−1948·6	−12·6	− 0·1	19		32·02	31·94
730	BD + 48°, 1919...	7·24 F 5	11 6 12·200	+342·05	− 2·05	− 0·33	+48 12 13·71	−1949·5	− 5·4	+ 4·8	4	6	27·79	27·28
731	BD + 69°, 602....	6·42 A 2	11 7 24·763	+385·15	− 5·68	+ 0·53	+68 40 45·58	−1951·9	− 6·0	+ 0·7	10	11	27·83	27·68
732	β Crat.....	4·52 A 2	11 7 57·957	+294·87	+ 0·50	+ 0·00	−22 24 58·28	−1953·0	− 4·4	−10·4	8		28·90	
733	Gr. 1746.....	6·48 A 2	11 8 23·118	+350·38	− 2·75	+ 0·00	+55 18 7·76	−1953·9	− 5·3	− 0·8	9	10	26·93	26·57
734	δ Leon.....	2·58 A 3	11 10 7·283	+318·32	− 0·64	+ 1·04	+20 56 4·66	−1957·2	− 4·6	−13·8	4		28·76	
735	θ Leon.....	3·41 A 0	11 10 18·319	+315·44	− 0·48	− 0·41	+15 50 22·83	−1957·5	− 4·5	− 8·5	24	78	28·16	29·07
736	Br. 1549.....	4·87 M 0	11 11 13·025	+319·56	− 0·73	− 0·15	+23 30 16·51	−1959·2	− 4·5	− 1·2	4	5	30·78	29·88
737	BD − 18°, 3141...	6·78 A 0	11 11 34·389	+297·50	+ 0·44	− 0·38	−19 13 42·43	−1959·9	− 4·1	− 1·0	9	8	32·28	32·29
738	Br. 1550.....	5·48 K 0	11 11 56·541	+314·07	− 0·41	− 0·05	+13 43 0·73	−1960·6	− 4·3	− 1·5	7	4	29·22	30·03
739	BD − 6°, 3344....	6·03 F 0	11 13 9·984	+304·08	+ 0·13	− 0·08	− 6 43 30·84	−1962·8	− 4·1	− 1·1	5		29·30	28·11
740	Br. 1552.....	5·44 K 5	11 13 25·808	+308·42	− 0·10	+ 0·36	+ 2 25 22·86	−1963·2	− 4·1	−14·8	5		30·32	
741	Br. 1555.....	4·78 A 2	11 15 2·874	+328·07	− 1·36	− 0·49	+38 35 50·58	−1966·0	− 4·2	− 7·7	8	8	27·02	26·65
742	BD − 0°, 2428....	7·0 F 8	11 15 33·633	+306·72	+ 0·00	− 1·53	− 1 14 28·75	−1966·9	− 3·9	−15·9	9		26·71	25·82
743	δ Crat.....	3·82 K 0	11 15 35·290	+300·69	+ 0·33	− 0·86	−14 22 19·46	−1967·0	− 3·8	+19·9	24	50	28·98	29·68
744	σ Leon.....	4·13 A 0	11 17 16·128	+310·08	− 0·19	− 0·63	+ 6 26 26·07	−1969·7	− 3·8	− 1·7	24	62	28·74	29·46
745	Br. 1565.....	5·63 F 2	11 21 41·816	+314·02	− 0·48	− 1·01	+16 52 7·88	−1976·5	− 3·4	− 1·4	6	10	24·90	25·26
746	BD + 52°, 1563...	7·22 F 0	11 21 44·398	+336·27	− 2·30	+ 0·11	+52 32 41·02	−1976·6	− 3·7	− 2·5	5		27·69	
747	BD + 27°, 2021...	7·15 A 2	11 21 47·304	+318·66	− 0·83	− 0·24	+27 9 34·42	−1976·7	− 3·4	+ 0·7	11	15	27·18	26·95
748	BD + 9°, 2494....	6·82 K 0	11 22 25·053	+310·76	− 0·25	− 0·03	+ 9 4 20·79	−1977·6	− 3·3	− 2·3	6	8	27·11	27·17
749	BD − 20°, 3420...	6·79 A 0	11 22 49·565	+299·02	+ 0·53	− 0·32	−20 56 37·64	−1978·2	− 3·1	− 1·0	4	5	31·05	30·12
750	CD − 27°, 8121...	6·79 K 0	11 25 54·470	+296·92	+ 0·72	− 0·16	−27 37 1·07	−1982·3	− 2·8	− 0·9	4	3	31·54	31·31
751	BD + 30°, 2163...	6·78 F 0	11 26 6·117	+318·83	− 0·93	− 0·77	+30 22 55·71	−1982·6	− 3·0	−20·5	5	8	29·92	28·43
752	Gr. 1782.....	6·13 A 0	11 26 36·392	+437·70	−18·39	− 6·60	+81 32 25·29	−1983·2	− 4·2	+ 3·1	9		30·91	30·30
753	λ Drac.....	4·06 M 0	11 26 58·155	+359·29	− 5·37	− 0·76	+69 44 42·81	−1983·7	− 3·3	− 2·2	8	11	29·78	30·06
754	Br. 1582.....	5·81 F 5	11 30 31·540	+308·32	− 0·08	− 1·22	+ 3 28 36·76	−1987·9	− 2·5	−10·8	4	5	28·01	27·25
755	BD + 21°, 2331...	6·44 K 0	11 31 9·040	+313·67	− 0·58	− 0·42	+20 51 22·46	−1988·6	− 2·4	− 1·2	4	7	30·51	28·70
756	BD − 3°, 3144....	6·58 K 0	11 31 9·403	+306·12	+ 0·11	− 0·28	− 3 56 44·07	−1988·6	− 2·4	− 4·9	6		30·29	29·64
757	BD + 11°, 2376...	6·69 K 0	11 31 38·740	+310·67	− 0·30	+ 0·40	+11 36 14·82	−1989·1	− 2·4	− 3·5	7		31·72	
758	Gr. 1803.....	6·71 K 5	11 33 1·961	+381·15	−10·34	+ 0·20	+78 0 38·52	−1990·6	− 2·8	+ 0·9	15		31·08	30·48
759	υ Leon.....	4·47 K 0	11 33 6·463	+307·17	+ 0·03	+ 0·02	− 0 24 34·02	−1990·7	− 2·2	+ 3·8	22	53	28·88	29·73
760	60 U. Maj.....	6·25 F 2	11 34 32·172	+323·31	− 1·75	− 0·40	+47 15 1·35	−1992·1	− 2·2	− 3·4	5	7	28·32	27·45
761	BD − 15°, 3323...	6·48 M 0	11 36 2·671	+303·23	+ 0·45	− 0·09	−16 12 15·15	−1993·5	− 1·9	− 1·4	5	7	28·05	27·85
762	BD − 7°, 3271....	7·42 G 0	11 36 47·422	+305·38	+ 0·23	− 0·13	− 7 59 22·59	−1994·2	− 1·8	− 1·3	5	8	25·85	25·63
763	BD + 36°, 2216...	7·23 M 3	11 41 39·441	+315·13	− 1·11	− 0·45	+36 18 37·60	−1998·1	− 1·4	+ 1·7	12	14	25·93	25·70
764	χ U. Maj.....	3·85 K 0	11 42 5·750	+318·94	− 1·75	− 1·38	+48 11 43·16	−1998·4	− 1·4	+ 1·9	11	14	26·07	25·98
765	Gr. 1825.....	5·41 K 0	11 42 55·178	+322·06	− 2·38	+ 0·15	+56 2 43·84	−1998·9	− 1·3	− 3·8	10	14	27·58	27·13

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
766	Gr. 1826.....	6·64 F 0	11 43 5·524	+325·66	− 3·07	− 0·44	+61 49 9·83	−1999·0	− 1·3	− 3·7	12 15	28·20	27·88
767	Br. 1602.....	5·22 A 0	11 44 3·660	+308·70	− 0·18	− 0·39	+ 8 39 45·43	−1999·6	− 1·1	− 0·6	5 8	27·90	27·55
768	BD + 29°, 2214...	7·21 F 2	11 44 31·924	+312·24	− 0·80	− 0·72	+28 50 3·12	−1999·9	− 1·1	− 1·8	8 10	26·75	26·25
769	β Leon.....	2·23 A 2	11 45 13·896	+309·58	− 0·35	− 3·42	+14 59 28·38	−2000·3	− 1·0	−12·2	13 44	30·07	30·47
770	β Virg.....	3·80 F 8	11 46 47·371	+307·57	− 0·00	+ 4·95	+ 2 11 14·00	−2001·1	− 0·9	−27·7	25 46	27·23	28·49
771	CD − 26°, 8807...	6·53 K 0	11 46 49·562	+303·39	+ 0·79	− 0·67	−26 51 38·61	−2001·2	− 0·8	+ 0·2	4 5	28·53	28·50
772	Pi 11h, 167.....	5·81 K 0	11 47 12·063	+306·64	+ 0·18	+ 0·01	− 4 54 58·18	−2001·3	− 0·8	− 0·7	6 7	28·30	27·85
773	BD − 11°, 3190...	6·22 F 0	11 47 33·478	+305·77	+ 0·37	− 1·48	−11 46 16·38	−2001·5	− 0·8	+ 0·5	4 5	29·06	28·71
774	BD − 20°, 3522...	7·49 F 5	11 47 44·187	+304·51	+ 0·63	− 0·02	−21 13 6·45	−2001·6	− 0·8	+ 1·0	6	32·11	32·46
775	BD + 50°, 1871...	7·07 K 2	11 48 18·978	+315·50	− 1·84	− 0·45	+50 20 53·87	−2001·9	− 0·7	+ 2·6	9 10	29·43	29·13
776	Pi 11h, 170.....	6·73 A 2	11 48 54·349	+309·12	− 0·37	+ 0·23	+15 51 17·07	−2002·1	− 0·7	− 6·8	7 9	27·22	26·67
777	γ U. Maj.....	2·54 A 0	11 49 53·575	+315·42	− 2·11	+ 1·06	+54 6 42·53	−2002·5	− 0·6	+ 0·4	4 6	27·06	26·66
778	η Crat.....	5·16 A 0	11 52 11·410	+305·91	+ 0·52	− 0·37	−16 43 59·32	−2003·3	− 0·3	− 1·2	9 14	27·40	27·09
779	BD + 41°, 2252...	7·20 K 2	11 53 14·508	+310·67	− 1·24	− 0·35	+40 42 23·04	−2003·6	− 0·2	− 0·7	6 4	24·59	24·74
780	Gr. 1841.....	6·54 F 5	11 53 23·173	+310·60	− 1·24	− 1·47	+40 45 44·64	−2003·6	− 0·2	− 7·1	13	31·16	
781	BD + 33°, 2174...	6·30 F 0	11 54 16·142	+309·42	− 0·89	− 0·86	+32 41 33·68	−2003·8	− 0·1	− 7·0	9 11	26·27	26·09
782	BD + 20°, 2664...	7·06 M 3	11 56 14·319	+308·07	− 0·46	− 0·70	+19 50 15·25	−2004·2	+ 0·1	− 3·1	5 8	27·09	26·28
783	BD − 9°, 3413....	5·63 G 5	11 56 53·373	+306·96	+ 0·35	+ 0·83	−10 1 8·93	−2004·3	+ 0·1	−48·3	6 7	28·46	28·32
784	π Virg.....	4·57 A 3	11 57 1·750	+307·49	− 0·10	+ 0·00	+ 7 1 56·93	−2004·3	+ 0·1	− 3·4	40 101	28·86	29·65
785	BD + 13°, 2482...	6·93 A 0	11 57 23·294	+307·63	− 0·25	− 0·27	+12 47 43·37	−2004·3	+ 0·2	− 0·7	7 6	28·46	28·30
786	BD + 65°, 863....	7·25 A 3	11 57 46·826	+310·10	− 3·23	− 0·63	+65 21 26·69	−2004·4	+ 0·2	− 4·8	10 13	29·37	29·66
787	Gr. 1850.....	6·38 F 5	12 0 57·206	+299·27	−20·15	− 5·57	+86 0 10·35	−2004·5	+ 0·5	+ 8·6	9 13	28·75	28·10
788	o Virg.....	4·24 G 5	12 1 23·243	+307·15	− 0·14	− 1·49	+ 9 8 58·76	−2004·4	+ 0·6	+ 4·2	42 102	28·67	29·16
789	BD + 49°, 2110...	7·77 F 5	12 2 18·400	+305·70	− 1·63	− 1·14	+49 34 32·81	−2004·4	+ 0·7	+ 0·9	7	26·72	
790	BD − 11°, 3238...	6·70 F 0	12 2 56·778	+307·64	+ 0·41	− 0·77	−11 49 24·04	−2004·3	+ 0·7	− 0·8	4 5	29·29	29·10
791	Pi 11h, 234.....	6·91 F 8	12 3 10·350	+308·08	+ 0·75	− 0·66	−23 20 57·70	−2004·3	+ 0·7	+ 2·6	2 5	31·30	29·68
792	Gr. 1854.....	7·27 A 2	12 5 40·069	+304·60	− 1·08	− 0·34	+39 3 1·34	−2003·9	+ 1·0	− 6·8	12 16	27·47	27·31
793	Br. 1627.....	5·74 F 0	12 6 14·044	+306·88	− 0·05	− 1·07	+ 6 13 26·37	−2003·7	+ 1·0	+ 1·5	7 10	24·65	24·74
794	Br. 1628.....	6·34 A 0	12 6 42·268	+306·07	− 0·35	− 0·14	+17 13 35·51	−2003·6	+ 1·1	− 0·9	12	26·52	
795	BD − 1°, 2632....	7·12 K 0	12 7 31·216	+307·45	+ 0·17	+ 0·12	− 2 16 49·18	−2003·4	+ 1·2	− 8·2	5 6	26·53	26·15
796	Br. 1630.....	5·81 K 0	12 8 2·935	+304·96	− 0·61	− 0·34	+26 17 16·98	−2003·2	+ 1·2	− 3·3	5 7	24·87	25·00
797	CD − 25°, 9091...	7·40 K 2	12 8 6·328	+309·54	+ 0·84	− 0·05	−25 31 26·61	−2003·2	+ 1·2	− 3·6	8 9	32·56	32·21
798	Br. 1635.....	5·81 A 2	12 9 36·761	+306·22	− 0·16	− 0·65	+10 40 46·33	−2002·7	+ 1·4	− 2·1	6 7	25·74	26·12
799	γ Corv.....	2·78 B 8	12 11 56·687	+309·43	+ 0·59	− 1·13	−17 07 30·93	−2001·8	+ 1·6	+ 1·5	12	30·88	
800	Gr. 1865.....	6·55 K 0	12 12 10·692	+284·11	− 4·00	− 0·33	+72 58 6·25	−2001·6	+ 1·5	− 3·9	6 8	29·56	29·99
801	Br. 1641.....	5·06 K 0	12 12 32·917	+303·97	− 0·53	− 0·21	+24 21 43·97	−2001·5	+ 1·6	− 1·4	5	26·69	
802	BD − 15°, 3442...	5·96 A 2	12 13 11·026	+309·52	+ 0·57	− 0·35	−16 16 37·38	−2001·2	+ 1·7	− 0·3	8	31·83	
803	Br. 1672.....	6·28 F 0	12 14 31·857	+49·75	+30·81	− 6·36	+88 6 56·30	−2000·4	+ 0·7	+ 5·3	152 153	29·59	28·76
804	BD + 31°, 2350...	6·14 *	12 14 44·895	+302·18	− 0·72	+ 0·70	+30 40 4·49	−2000·3	+ 1·8	−13·0	5	27·70	
805	Br. 1643.....	5·92 A 3	12 14 49·504	+307·34	+ 0·14	+ 0·18	− 0 22 13·27	−2000·3	+ 1·9	− 2·1	5 7	29·56	29·22
806	Br. 1644.....	7·03 K 0	12 15 28·427	+308·63	+ 0·36	+ 0·01	− 8 29 52·20	−1999·9	+ 1·9	− 2·9	7	32·32	
807	η Virg.....	4·00 A 0	12 16 4·017	+307·32	+ 0·15	− 0·42	− 0 15 0·03	−1999·5	+ 2·0	− 2·5	6 19	28·96	29·89
808	Br. 1655.....	5·72 K 2	12 17 13·212	+291·05	− 2·01	+ 0·52	+58 16 53·61	−1998·8	+ 2·0	− 7·8	5 6	26·71	26·48
809	Br. 1662.....	4·97 K 0	12 20 23·094	+292·10	− 1·56	+ 0·12	+51 58 39·32	−1996·5	+ 2·3	+ 0·7	7	27·46	
810	CD − 27°, 8670...	6·34 K 0	12 21 22·467	+313·71	+ 0·95	− 0·06	−27 20 0·40	−1995·8	+ 2·6	− 1·5	5 6	27·95	27·35

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 804. F 5 + A 2.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.		Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term					
			h m s	s	s	s	° ′ ″	″	″	″				
811	Gr. 1888	6·37 G 5	12 21 36·840	+281·23	− 2·40	− 0·29	+64 13 5·49	−1995·6	+ 2·4	− 0·2	12	16	27·24	27·16
812	BD + 18°, 2611	7·52 K 0	12 23 46·353	+302·72	− 0·31	− 0·10	+18 14 59·79	−1 93·7	+ 2·7	− 3·7	4	5	26·07	25·70
813	Gr. 1894	6·85 *	12 23 52·537	+294·87	− 1·06	− 0·23	+41 46 12·51	−1993·6	+ 2·7	− 1·3	7	8	25·98	26·15
814	BD + 26°, 2353	6·69 A 3	12 24 59·834	+300·08	− 0·53	− 0·14	+26 18 50·89	−1992·6	+ 2·7	− 2·6	1	2	29·36	27·33
815	Br. 1673	5·38 A 0	12 25 10·018	+300·03	− 0·53	− 0·19	+26 19 39·84	−1992·4	+ 2·8	− 2·5	4	6	27·84	27·69
816	δ Corv	3·11 A 0	12 25 58·737	+311·64	+ 0·61	− 1·46	−16 5 52·96	−1991·6	+ 3·0	−14·5	20	51	28·16	29·40
817	Pi 12h, 105	5·87 K 5	12 26 21·572	+313·88	+ 0·83	− 0·16	−23 16 54·96	−1991·2	+ 3·0	− 1·1	7	8	29·45	29·32
818	Pi 12h, 108	7·06 K 0	12 26 59·153	+308·28	+ 0·26	− 0·48	− 3 38 47·84	−1990·6	+ 3·1	− 0·1	4	7	30·32	30·02
819	BD + 8°, 2609	6·16 K 5	12 27 32·696	+305·02	− 0·03	− 0·20	+ 8 1 5·43	−1990·0	+ 3·1	+ 0·3	7	9	27·44	26·96
820	Br. 1682	6·46 K 0	12 29 15·071	+304·06	− 0·10	− 0·38	+10 42 33·88	−1988·2	+ 3·2	− 0·3	8		25·81	
821	BD − 12°, 3659	5·76 G 5	12 29 40·655	+311·08	+ 0·51	− 0·18	−12 25 3·05	−1987·7	+ 3·4	+ 5·0	11	13	31·80	31·27
822	Gr. 1904	6·72 K 0	12 29 50·556	+293·49	− 0·89	− 0·65	+38 28 57·74	−1987·5	+ 3·2	− 1·7	6	7	28·32	28·33
823	β Corv	2·84 G 5	12 30 26·572	+314·79	+ 0·83	+ 0·03	−22 58 55·90	−1986·8	+ 3·5	− 5·9	5		30·12	
824	24 Coma	5·18 K 0	12 31 22·057	+301·08	− 0·30	− 0·05	+18 47 23·10	−1985·7	+ 3·4	+ 1·8	27	72	28·75	29·01
825	BD + 46°, 1797	7·50 K 5	12 32 17·915	+287·71	− 1·16	− 0·12	+46 11 37·20	−1984·6	+ 3·4	+ 0·9	4		27·76	
826	25 Virg	5·90 A O	12 32 55·390	+309·10	+ 0·33	− 0·21	− 5 25 7·33	−1983·8	+ 3·6	− 2·3	4	5	26·80	27·11
827	Pi 12h, 142	6·02 M 0	12 34 32·760	+306·49	+ 0·13	− 0·52	+ 2 16 2·39	−1981·7	+ 3·8	− 2·6	7	10	29·05	28·33
828	BD − 17°, 3668	6·08 F 0	12 34 49·408	+313·79	+ 0·68	− 0·82	−17 50 17·90	−1981·4	+ 3·9	+ 1·1	4	7	29·83	29·06
829	χ Virg	4·78 K 0	12 35 22·331	+310·02	+ 0·39	− 0·53	− 7 34 58·79	−1980·6	+ 3·9	− 3·2	23	59	29·10	29·81
830	Br. 1695	5·51 K 0	12 35 23·442	+299·19	− 0·36	− 0·60	+21 28 29·26	−1980·6	+ 3·8	− 1·7	7	6	26·58	26·46
831	BD + 34°, 2344	6·62 K 0	12 38 40·283	+292·08	− 0·69	− 1·79	+34 6 6·58	−1976·0	+ 4·0	−11·6	7	11	24·69	24·82
832	BD − 2°, 3567	6·65 A 2	12 40 20·097	+308·27	+ 0·27	− 0·49	− 2 25 54·76	−1973·5	+ 4·4	− 1·2	9	15	25·17	25·30
833	Gr. 1927	6·26 A 0	12 42 31·517	+151·06	+ 0·40	+ 1·15	+81 1 54·54	−1970·1	+ 2·5	− 4·6	12	15	27·14	26·95
834	CD − 24°, 10540	6·29 B 9	12 43 54·146	+318·84	+ 0·93	− 0·38	−24 26 34·35	−1967·8	+ 4·8	+ 3·0	6	8	25·47	25·56
835	CD − 26°, 9340	5·80 G 5	12 44 26·033	+320·50	+ 1·03	− 1·07	−27 11 13·84	−1966·9	+ 4·9	− 7·1	8	7	26·82	26·89
836	Br. 1711	5·83 A 0	12 45 38·169	+293·25	− 0·48	− 0·73	+27 57 37·82	−1964·9	+ 4·6	+ 1·5	3		28·21	
837	31 Coma	5·07 G 0	12 48 2·765	+292·53	− 0·47	− 0·12	+27 56 54·63	−1960·6	+ 4·9	− 1·6	2	2	27·20	26·72
838	Br. 1716	6·53 K 5	12 48 28·415	+298·44	− 0·20	− 0·02	+17 28 53·66	−1959·8	+ 5·0	− 2·2	4	5	28·83	27·69
839	32² H Caml	5·28 A 2	12 48 33·814	+ 47·69	+ 9·58	− 1·80	+83 49 13·80	−1959·6	+ 1·1	+ 1·6	160	162	29·36	28·67
840	BD + 17°, 2553	6·92 F 8	12 48 38·914	+298·39	− 0·21	+ 0·22	+17 30 58·60	−1959·4	+ 5·0	− 4·3	1		30·25	
841	BD − 17°, 3726	6·84 A 0	12 50 2·578	+316·48	+ 0·72	− 0·28	−17 37 50·82	−1956·9	+ 5·4	− 0·4	5	5	32·11	31·32
842	Br. 1720	6·34 A 3	12 50 3·898	+300·69	− 0·09	+ 0·34	+12 49 32·89	−1956·8	+ 5·2	− 3·2	5	4	30·29	30·04
843	BD + 36°, 2314	8·14 K 0	12 50 10·151	+286·08	− 0·68	− 0·17	+36 8 42·02	−1956·6	+ 4·9	− 8·2	7	8	32·07	32·24
844	ε U. Maj	1·68 A 0	12 50 44·141	+263·17	− 1·32	+ 1·36	+56 22 0·36	−1955·6	+ 4·6	− 1·1	8	9	32·96	32·79
845	BD + 0°, 3002	6·88 K 0	12 51 48·110	+307·04	+ 0·22	− 0·14	+ 0 27 41·60	−1953·5	+ 5·4	− 0·8	4		29·29	
846	δ Virg	3·66 M 0	12 51 49·279	+305·29	+ 0·14	− 3·13	+ 3 48 16·88	−1953·4	+ 5·4	− 6·0	8	15	29·67	29·43
847	BD − 14°, 3605	6·10 A 0	12 51 56·446	+315·28	+ 0·64	− 0·07	−14 55 14·69	−1953·2	+ 5·6	− 0·7	7	9	32·05	31·23
848	α C. Ven	2·90 A 0	12 52 31·110	+282·94	− 0·74	− 1·99	+38 43 24·14	−1952·1	+ 5·1	+ 4·8	4		31·34	
849	Br. 1726	6·01 A 2	12 53 0·542	+264·32	− 1·22	− 0·88	+54 30 18·68	−1951·1	+ 4·8	− 0·7	10	11	27·49	27·38
850	Gr. 1938	6·95 A 0	12 53 10·910	+277·65	− 0·89	+ 0·03	+43 57 26·97	−1950·7	+ 5·1	− 0·3	4		26·61	
851	BD − 6°, 3705	7·70 K 0	12 54 42·554	+310·90	+ 0·41	− 0·18	− 6 32 36·86	−1947·6	+ 5·8	+ 0·7	4	5	29·57	29·73
852	Br. 1729	5·87 A 0	12 55 47·505	+309·20	+ 0·33	− 0·24	− 3 24 27·76	−1945·4	+ 5·8	+ 0·4	4	6	27·06	26·64
853	BD + 76°, 473	6·19 K 0	12 56 34·285	+177·51	− 0·62	+ 0·15	+75 52 36·11	−1943·7	+ 3·6	+ 0·6	8	9	30·45	30·56
854	BD + 32°, 2311	6·72 G 5	12 56 50·833	+286·63	− 0·54	+ 0·09	+32 10 59·91	−1943·1	+ 5·5	− 1·7	5	7	29·33	28·62
855	Br. 1736	4·89 F 0	12 57 30·918	+256·63	− 1·22	+ 1·38	+56 46 13·15	−1941·7	+ 5·1	− 1·6	4	5	28·80	29·12

Position 1925 + T = Position 1925 + T (1st Term) + T² (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 813. F 5 + A 3.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
856	ε Virg.	2·95 K 0	12 58 26·518	+300·51	− 0·02	− 1·86	+11 21 42·71	−1939·6	+ 5·9	+ 1·6	3 6	27·91	26·42
857	BD + 23°, 2530...	6·87 A 0	12 59 20·175	+292·73	− 0·30	− 0·28	+23 2 26·56	−1937·7	+ 5·9	− 2·7	5	26·50	
858	BD − 13°, 3651...	7·23 K 5	13 1 54·410	+315·98	+ 0·63	− 0·10	−13 42 35·96	−1931·8	+ 6·6	− 1·8	4 5	25·01	25·07
859	Gr. 1956.	5·72 K 0	13 2 29·922	+270·44	− 0·85	− 0·15	+45 40 9·57	−1930·4	+ 5·7	+ 2·4	4 5	30·13	30·18
860	Br. 1743.	4·90 K 5	13 3 34·828	+287·80	− 0·40	+ 0·23	+28 1 36·31	−1927·8	+ 6·2	− 7·8	8 9	26·41	26·17
861	BD − 22°, 3513...	6·76 K 0	13 4 37·235	+322·84	+ 0·92	− 0·82	−22 42 19·81	−1925·3	+ 6·9	− 4·9	4	29·55	
862	ψ Hyda.	5·11 K 0	13 5 0·531	+322·94	+ 0·93	− 0·17	−22 43 2·55	−1924·4	+ 7·0	− 4·6	4 6	29·55	30·21
863	BD + 6°, 2697....	6·91 G 0	13 5 2·808	+303·60	+ 0·13	+ 0·56	+ 5 37 14·48	−1924·3	+ 6·6	−68·8	5 5	26·68	27·09
864	θ Virg.	4·46 A 0	13 6 3·820	+310·70	+ 0·40	− 0·24	− 5 8 20·26	−1921·8	+ 6·8	− 3·9	23 64	29·21	28·89
865	BD + 17°, 2595...	6·18 K 0	13 6 6·559	+295·48	− 0·14	− 0·47	+17 14 54·08	−1921·7	+ 6·5	− 1·9	5 6	28·91	28·50
866	Gr. 1965.	6·49 A 0	13 6 56·322	+232·96	− 1·14	− 0·42	+62 37 41·90	−1919·6	+ 5·3	− 1·4	9	30·90	
867	CD − 25°, 9653...	6·48 A 3	13 7 34·120	+326·35	+ 1·06	− 0·54	−26 09 11·48	−1918·0	+ 7·3	− 0·4	7 6	30·88	30·16
868	β Coma.	4·32 G 0	13 8 22·398	+286·17	− 0·38	− 6·04	+28 15 29·52	−1915·9	+ 6·5	+87·7	11 10	25·30	25·61
869	Gr. 1974.	6·43 A 0	13 11 22·950	+171·67	− 0·24	+ 0·49	+73 11 46·53	−1908·0	+ 4·2	− 3·1	10 15	28·42	28·26
870	Gr. 1977.	6·32 G 5	13 11 43·740	+ 51·32	+ 6·22	− 0·36	+80 52 4·98	−1907·1	+ 1·6	+ 0·8	10 11	30·01	30·04
871	BD + 20°, 2814...	6·29 A 3	13 12 53·920	+291·92	− 0·18	− 0·84	+20 10 48·84	−1903·9	+ 7·1	+ 1·7	6 7	26·96	26·57
872	Br. 1760.	5·22 G 0	13 13 2·992	+300·04	+ 0·05	− 2·27	+ 9 48 56·84	−1903·5	+ 7·3	+18·5	5 6	27·77	27·36
873	BD − 7°, 3582....	7·06 F 8	13 13 48·547	+313·48	+ 0·50	+ 0·10	− 8 20 13·95	−1901·4	+ 7·6	− 5·7	5 6	30·14	29·84
874	σ Virg.	5·01 M 0	13 13 48·938	+302·94	+ 0·15	− 0·07	+ 5 51 52·65	−1901·4	+ 7·4	+ 1·0	27 79	28·54	29·22
875	BD + 4°, 2721....	6·56 A 0	13 15 3·060	+304·21	+ 0·19	− 0·34	+ 4 41 56·29	−1898·0	+ 7·5	− 1·7	5 7	28·12	27·46
876	BD + 35°, 2435...	5·96 A 5	13 15 37·337	+276·37	− 0·51	− 0·24	+35 31 17·29	−1896·3	+ 6·9	+ 0·5	6 7	27·42	26·97
877	23 C. Ven.	5·69 K 0	13 16 57·371	+269·61	− 0·61	− 0·49	+40 32 37·84	−1892·5	+ 6·9	− 1·2	9 11	24·74	25·13
878	BD − 20°, 3818...	6·60 K 0	13 19 53·393	+324·38	+ 0·88	− 0·22	−20 31 58·55	−1883·9	+ 8·5	− 1·5	5 7	25·88	25·87
879	ζ U. Maj.	2·40 A 2	13 20 54·506	+240·51	− 0·83	+ 1·46	+55 19 0·08	−1880·9	+ 6·5	− 2·8	4	27·80	
880	α Virg.	1·21 B 2	13 21 14·305	+316·10	+ 0·58	− 0·28	−10 46 12·72	−1879·9	+ 8·4	− 3·5	24 53	28·86	30·08
881	BD + 16°, 2508...	7·00 K 0	13 21 59·897	+293·90	− 0·06	− 0·50	+15 57 14·17	−1877·5	+ 7·9	− 1·7	8 10	26·15	26·20
882	BD − 0°, 2686....	6·01 A 3	13 22 20·738	+307·94	+ 0·33	− 0·75	− 0 48 10·55	−1876·5	+ 8·3	− 0·1	6 11	29·54	28·47
883	BD − 11°, 3516...	5·59 K 2	13 22 45·123	+317·59	+ 0·63	− 0·92	−12 19 4·53	−1875·2	+ 8·6	− 2·4	5 6	29·15	29·02
884	BD + 31°, 2493...	7·12 K 2	13 24 50·671	+277·61	− 0·37	− 0·11	+31 32 14·30	−1868·7	+ 7·7	+ 0·4	8 10	24·92	24·88
885	BD + 53°, 1622...	6·16 F 0	13 24 58·754	+242·71	− 0·75	− 1·27	+53 8 2·98	−1868·3	+ 6·8	− 1·6	5 7	27·14	27·36
886	BD + 7°, 2655....	6·29 K 5	13 26 14·346	+300·76	+ 0·14	+ 0·05	+ 7 33 57·08	−1864·2	+ 8·5	− 0·4	8 10	26·70	26·64
887	BD + 27°, 2262...	7·15 A 5	13 27 29·165	+282·16	− 0·26	+ 0·18	+26 46 35·00	−1860·2	+ 8·1	− 0·6	5 10	26·28	26·44
888	CD − 28°, 10128..	5·67 A 0	13 28 24·871	+334·36	+ 1·19	− 0·80	−28 18 24·46	−1857·1	+ 9·6	− 3·5	6	31·32	
889	Br. 1786.	5·43 G 5	13 29 0·811	+316·00	+ 0·57	− 0·23	− 9 46 44·55	−1855·2	+ 9·1	− 4·3	3 7	26·67	26·78
890	ζ Virg.	3·44 A 2	13 30 52·075	+307·47	+ 0·33	− 1·90	+ 0 12 46·44	−1849·0	+ 9·0	+ 3·4	15 59	28·83	29·35
891	Br. 1791.	4·63 A 3	13 31 23·347	+246·74	− 0·63	− 1·28	+49 23 56·96	−1847·2	+ 7·4	+ 1·9	8 9	31·34	31·45
892	BD + 44°, 2285...	6·63 A 5	13 32 2·558	+255·80	− 0·56	− 0·18	+44 34 47·82	−1845·0	+ 7·7	+ 0·8	4 7	28·07	26·89
893	BD + 3°, 2799....	6·73 K 0	13 33 55·357	+304·71	+ 0·27	− 0·10	+ 2 45 51·08	−1838·5	+ 9·2	− 3·6	3 6	27·67	27·35
894	BD + 23°, 2591...	7·05 G 5	13 34 28·090	+284·65	− 0·61	− 1·01	+22 54 37·29	−1836·6	+ 8·7	− 9·6	9 13	31·70	30·45
895	BD + 11°, 2589...	5·54 F 2	13 35 52·610	+296·60	+ 0·09	− 0·78	+11 7 36·14	−1831·6	+ 9·2	− 2·0	7 7	27·06	27·36
896	BD − 15°, 3715...	6·86 K 2	13 35 55·843	+322·92	+ 0·76	− 0·04	−16 3 58·73	−1831·4	+10·0	− 2·4	6 7	29·20	28·10
897	Pi 13h, 159.	6·42 A 0	13 37 22·191	+330·74	+ 1·00	− 0·10	−23 4 15·21	−1826·3	+10·3	− 0·3	5 6	29·55	29·35
898	Br. 1802.	4·75 M 0	13 37 53·658	+228·04	− 0·59	− 0·26	+55 3 38·58	−1824·4	+ 7·3	− 1·4	8 10	29·35	27·53
899	Pi 13h, 184.	5·70 A 0	13 39 9·874	+186·01	− 0·25	+ 0·83	+65 12 2·55	−1819·7	+ 6·1	− 1·9	9 11	30·13	29·73
900	BD + 35°, 2474...	5·98 K 0	13 39 22·897	+267·43	− 0·36	+ 0·15	+35 21 58·79	−1818·9	+ 8·6	+ 0·4	9 12	25 8(	25·88

Position 1925 + T = Position 1925 + T (1st Term) + T² (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
901	Pi 13h, 174.....	6·47 A 0	13 39 59·883	+312·34	+ 0·47	− 0·36	− 5 7 18·02	−1816·7	+10·0	− 2·5	6 8	28·17	28·35
902	BD − 11°, 3591...	5·82 K 0	13 41 56·274	+319·56	+ 0·65	− 0·14	−12 3 4·62	−1809·4	+10·4	+ 0·0	8	28·06	
903	Br. 1808.....	5·91 F 5	13 43 14·318	+278·81	− 0·18	− 0·14	+26 4 40·90	−1804·5	+ 9·2	− 6·4	6	26·64	
904	τ Boot.....	4·51 F 5	13 43 41·735	+288·49	− 0·03	− 3·38	+17 49 48·33	−1802·8	+ 9·6	+ 3·0	17 48	27·33	28·09
905	Gr. 2063.....	6·16 G 5	13 44 23·917	−180·60	+24·66	+ 1·81	+83 7 44·38	−1800·1	− 5·4	− 4·4	12 13	32·00	31·84
906	η U. Maj.....	1·91 B 3	13 44 35·165	+237·87	− 0·50	− 1·25	+49 41 14·00	−1799·4	+ 8·0	− 1·8	4 5	28·30	28·32
907	CD − 28°, 10277..	6·10 B 9	13 45 51·021	+339·89	+ 1·23	− 0·38	−28 42 30·67	−1794·4	+11·4	− 2·9	5 6	29·13	29·35
908	BD + 9°, 2814....	6·54 A 0	13 46 0·565	+298·07	+ 0·16	− 0·18	+ 8 46 49·58	−1793·8	+10·1	+ 0·0	4	26·32	
909	BD + 19°, 2719...	6·72 F 0	13 46 31·390	+286·65	− 0·04	− 0·36	+19 0 4·39	−1791·8	+ 9·7	− 3·3	6 7	26·48	26·46
910	Gr. 2055.....	6·05 K 0	13 47 19·045	+194·50	− 0·28	+ 0·95	+61 51 45·95	−1788·7	+ 6·8	−10·4	9 10	29·21	28·85
911	BD + 40°, 2701...	7·82 M 3	13 48 35·128	+256·05	− 0·38	− 0·04	+40 2 23·74	−1783·7	+ 8·9	− 2·5	11 14	30·00	29·82
912	η Boot.....	2·80 G 0	13 51 6·726	+286·11	− 0·02	− 0·44	+18 46 21·57	−1773·5	+10·1	−36·5	21 60	28·01	29·30
913	BD − 8°, 3667...	6·92 K 5	13 51 49·595	+317·42	+ 0·59	− 0·19	− 9 11 33·44	−1770·6	+11·2	− 0·8	4 5	27·55	27·10
914	BD + 14°, 2680...	6·15 F 5	13 52 12·920	+291·12	+ 0·06	− 2·01	+14 25 23·89	−1768·9	+10·4	− 0·5	7 11	30·07	29·38
915	BD + 32°, 2411...	6·29 F 2	13 52 50·788	+267·19	− 0·24	− 1·04	+32 23 53·04	−1766·4	+ 9·6	+ 4·2	7 7	26·92	26·76
916	Br. 1828.....	5·42 A 0	13 55 8·013	+281·20	− 0·07	− 0·08	+22 3 41·73	−1756·8	+10·2	− 5·2	7 9	26·46	26·33
917	Pi 13h, 269.....	6·30 F 5	13 55 55·913	+310·88	+ 0·44	− 0·19	− 3 11 5·68	−1753·4	+11·4	− 7·0	4	26·59	
918	τ Virg.....	4·34 A 2	13 57 49·623	+305·09	+ 0·33	+ 0·10	+ 1 54 24·93	−1745·3	+11·3	− 2·6	38 94	28·92	29·54
919	BD − 16°, 3785...	6·53 K 0	13 58 58·805	+327·56	+ 0·82	− 1·29	−17 0 22·14	−1740·4	+12·2	+ 0·1	5 7	25·72	25·60
920	BD − 21°, 3824...	6·21 F 2	13 59 41·745	+334·30	+ 0·98	− 0·04	−22 3 42·03	−1737·2	+12·5	− 1·3	3 4	29·64	29·81
921	BD + 5°, 2836....	6·28 F 2	14 0 9·713	+301·12	+ 0·26	− 0·12	+ 5 15 38·69	−1735·2	+11·4	− 0·7	6 7	25·52	25·49
922	Pi 13h, 296.....	6·05 A 0	14 0 12·282	+223·66	− 0·34	− 0·22	+51 19 55·17	−1735·0	+ 8·5	− 0·9	5 7	29·15	28·66
923	Pi 13h, 286.....	6·36 K 0	14 0 23·080	+324·75	+ 0·75	− 0·26	−14 36 42·67	−1734·2	+12·2	− 2·7	5 7	28·79	29·69
924	π Hyda.....	3·48 K 0	14 2 5·678	+340·86	+ 1·15	+ 0·32	−26 19 17·75	−1726·7	+13·0	−15·0	8 7	25·67	25·89
925	α Drac.....	3·64 A 0	14 2 21·350	+163·20	+ 0·24	− 0·82	+64 44 2·02	−1725·5	+ 6·4	+ 1·4	14 17	27·50	27·48
926	BD + 18°, 2824...	7·62 K 0	14 2 59·989	+284·72	+ 0·02	− 0·24	+18 16 9·73	−1722·7	+11·0	− 0·7	5 8	25·32	25·45
927	BD + 39°, 2720...	7·90 K 0	14 3 17·629	+252·28	− 0·27	+ 0·10	+38 46 28·55	−1721·3	+ 9·8	− 1·2	10 12	25·58	25·80
928	Br. 1838.....	5·44 M 0	14 5 29·148	+224·92	− 0·30	− 0·66	+49 48 43·66	−1711·4	+ 8·9	+ 5·5	7 8	26·87	26·68
929	CD − 30°, 11209..	6·78 A 2	14 5 51·485	+347·98	+ 1·31	− 0·35	−30 15 58·49	−1709·7	+13·6	− 2·3	4 5	29·34	28·94
930	Br. 1837.....	5·25 K 0	14 8 27·821	+343·34	+ 1·17	− 0·10	−26 54 31·74	−1697·7	+13·7	− 4·2	6 8	26·13	25·92
931	κ Virg.....	4·31 K 0	14 8 53·460	+319·75	+ 0·62	+ 0·03	− 9 55 30·03	−1695·7	+12·8	+13·4	45 97	28·36	29·36
932	Gr. 2091.....	5·36 M 0	14 10 39·970	+111·41	+ 1·37	− 0·48	+69 47 2·82	−1687·4	+ 4·7	− 5·0	9 10	30·58	30·27
933	BD + 4°, 2841....	6·62 M 0	14 11 6·041	+302·62	+ 0·31	− 0·32	+ 3 41 8·25	−1685·4	+12·3	− 2·0	7 8	25·93	26·00
934	BD + 22°, 2678...	6·40 A 2	14 11 12·411	+277·70	− 0·02	+ 0·28	+22 13 21·96	−1684·9	+11·3	− 1·0	5 8	29·17	29·15
935	ι Virg.....	4·16 F 5	14 12 4·699	+314·48	+ 0·52	− 0·08	− 5 38 36·66	−1680·7	+12·8	−42·9	8 10	26·85	26·54
936	α Boot.....	0·24 K 0	14 12 14·004	+281·36	+ 0·03	− 7·79	+19 34 9·88	−1680·0	+11·5	−200·2	21 70	29·44	30·21
937	λ Boot.....	4·26 A 0	14 13 31·870	+229·98	− 0·24	− 1·78	+46 25 56·43	−1673·8	+ 9·6	+15·4	5 5	26·76	26·98
938	BD + 57°, 1498...	6·60 F 8	14 13 34·414	+193·86	− 0·09	+ 0·07	+57 2 18·46	−1673·6	+ 8·1	−10·5	3 4	27·39	27·90
939	BD + 57°, 1499...	7·03 F 0	14 13 43·497	+193·65	− 0·08	− 0·45	+57 3 34·83	−1672·8	+ 8·2	− 1·2	1	28·35	
940	BD − 6°, 3964....	6·50 G 0	14 14 1·577	+316·59	+ 0·56	+ 1·68	− 7 11 28·98	−1671·4	+13·1	−24·7	6 5	27·16	26·94
941	BD − 18°, 3789...	5·74 A 0	14 14 29·075	+331·85	+ 0·87	− 0·45	−18 22 10·03	−1669·2	+13·7	− 4·6	4 5	28·12	28·39
942	λ Virg.....	4·60 A 2	14 15 2·835	+324·46	+ 0·71	− 0·13	−13 1 35·03	−1666·4	+13·5	+ 2·4	28 59	28·39	29·36
943	BD + 13°, 2782...	5·31 F 0	14 15 38·404	+289·59	+ 0·14	+ 0·71	+13 20 58·59	−1663·5	+12·1	− 3·7	5	27·68	
944	Gr. 2098.....	7·20 K 0	14 15 57·568	+239·18	− 0·22	+ 0·32	+42 21 3·30	−1662·0	+10·1	− 7·4	4 8	28·91	28·04
945	BD + 31°, 2605...	6·34 A 2	14 16 51·770	+262·53	− 0·12	− 0·12	+30 46 22·12	−1657·5	+11·1	− 0·7	6 9	26·69	26·23

Position 1925 + T = Position 1925 + T (1st Term) + T² (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
946	BD + 8°, 2857....	5·74 A 0	14 20 18·919	+295·69	+ 0·23	+ 0·01	+ 8 35 2·66	−1640·4	+12·7	− 3·1	8 11	25·16	25·32
947	Pi 14h, 68.....	5·39 K 0	14 20 31·505	+342·27	+ 1·07	− 0·44	−24 27 59·77	−1639·3	+14·7	− 2·7	11 14	27·33	27·11
948	BD − 12°, 4042...	6·59 K 0	14 21 13·565	+325·13	+ 0·71	− 0·37	−13 0 52·15	−1635·8	+14·0	+ 0·4	4 6	27·90	27·42
949	θ Boot.....	4·06 F 8	14 22 38·479	+206·86	− 0·12	− 2·60	+52 11 47·54	−1628·6	+ 9·1	−40·4	6 7	28·84	28·49
950	φ Virg.....	4·99 K 0	14 24 20·072	+309·88	+ 0·44	− 0·94	− 1 53 32·89	−1619·9	+13·6	− 0·8	41 110	27·82	29·19
951	CD − 28°, 10724..	7·02 F 8	14 24 46·093	+350·62	+ 1·24	+ 0·11	−28 46 45·16	−1617·7	+15·4	− 0·9	1 2	30·25	28·32
952	BD + 36°, 2495...	6·19 K 0	14 25 10·021	+248·68	− 0·14	− 0·24	+36 31 54·17	−1615·6	+11·1	− 1·0	5 7	28·36	28·20
953	BD + 28°, 2332...	6·95 A 0	14 25 15·112	+264·09	− 0·06	+ 0·11	+28 37 30·60	−1615·2	+11·7	+ 0·2	4 6	29·10	28·20
954	ρ Boot.....	3·78 K 0	14 28 35·794	+259·36	− 0·07	− 0·78	+30 41 59·56	−1597·7	+11·8	+11·5	10 9	24·97	24·94
955	γ Boot.....	3·00 F 0	14 29 3·377	+242·61	− 0·13	− 0·98	+38 38 8·89	−1595·3	+11·0	+14·6	6 9	27·18	26·27
956	BD + 81°, 482....	7·10 G 5	14 31 59·665	−220·68	+18·92	− 3·96	+81 8 33·67	−1579·6	− 9·6	−12·9	12 13	30·29	30·07
957	Gr. 2132.....	6·63 F 5	14 32 0·601	+124·87	+ 0·94	+ 0·94	+65 43 21·15	−1579·5	+ 5·9	+ 4·1	10 11	28·15	28·48
958	BD + 50°, 2095...	5·90 K 5	14 32 2·252	+210·27	− 0·08	− 0·48	+49 41 40·91	−1579·3	+ 9·8	+ 4·4	5 6	25·00	25·23
959	BD + 23°, 2710...	6·48 K 0	14 32 43·382	+271·23	+ 0·02	− 0·11	+23 34 34·04	−1575·6	+12·6	+ 1·5	9 11	25·37	25·74
960	Pi 14h, 127.....	6·24 F 8	14 32 59·978	+324·85	+ 0·68	− 5·97	−11 59 13·92	−1574·1	+15·0	+36·0	4 6	27·34	26·85
961	BD + 2°, 2844....	6·62 F 8	14 33 40·759	+303·50	+ 0·36	− 0·25	+ 2 36 12·98	−1570·5	+14·1	− 7·2	7 9	25·21	25·36
962	Pi 14h, 156.....	5·52 A 0	14 35 52·372	+190·12	+ 0·05	+ 0·15	+54 20 49·04	−1558·5	+ 9·0	− 2·4	9 12	24·76	24·91
963	Br. 1879.....	5·63 G 5	14 38 7·178	+289·23	+ 0·20	− 1·08	+11 58 59·22	−1546·0	+13·7	−12·3	6 10	26·36	26·38
964	BD − 18°, 3882...	7·00 K 0	14 38 32·303	+336·62	+ 0·88	− 0·35	−18 59 33·96	−1543·7	+16·0	+ 2·6	6 8	28·33	28·37
965	μ Virg.....	3·95 F 5	14 39 6·288	+315·26	+ 0·52	+ 0·71	− 5 19 59·70	−1540·5	+15·0	−32·2	36 102	28·29	29·39
966	BD − 7°, 3897....	6·60 F 5	14 40 14·801	+319·27	+ 0·58	− 1·38	− 7 56 10·15	−1534·1	+15·3	+ 6·4	5 6	27·33	26·82
967	ε Boot.....	2·70 K 0	14 41 42·590	+262·38	+ 0·01	− 0·37	+27 23 22·94	−1525·9	+12·7	+ 1·4	4 5	29·11	28·56
968	BD − 22°, 3844...	5·91 K 0	14 41 48·108	+343·79	+ 1·00	+ 0·16	−22 50 11·14	−1525·3	+16·6	− 6·5	7 8	26·34	
969	BD + 33°, 2489...	6·47 M 0	14 42 5·342	+250·67	− 0·04	+ 0·31	+33 6 18·71	−1523·7	+12·2	− 8·4	3 6	28·10	27·42
970	109 Virg.....	3·76 A 0	14 42 27·247	+303·93	+ 0·37	− 0·76	+ 2 12 29·35	−1521·6	+14·7	− 3·6	32 92	27·70	28·98
971	BD + 15°, 2758...	6·10 M 3	14 42 33·728	+283·23	+ 0·16	− 0·58	+15 26 46·06	−1521·0	+13·8	+ 0·9	6 7	29·57	29·67
972	Br. 1886.....	5·39 G 5	14 43 21·759	+349·48	+ 1·10	+ 0·31	−25 46 26·77	−1516·4	+17·0	− 1·2	3 4	30·37	30·39
973	BD − 0°, 2886....	6·06 A 0	14 45 2·706	+308·11	+ 0·43	− 0·06	− 0 32 11·21	−1506·8	+15·1	+ 1·3	5 6	29·54	29·01
974	α^1 Libr.....	5·33 F 5	14 46 32·077	+332·21	+ 0·77	− 0·69	−15 41 9·71	−1498·2	+16·4	− 7·5	2 4	31·45	31·46
975	α^2 Libr.....	2·90 A 3	14 46 43·460	+332·31	+ 0·78	− 0·74	−15 43 51·44	−1497·0	+16·4	− 7·4	30 65	28·18	28·94
976	Pi 14h, 193.....	5·66 A 2	14 46 44·562	+258·17	+ 0·01	+ 0·16	+28 55 32·84	−1496·9	+12·8	− 0·5	6 8	25·84	25·98
977	Gr. 2154.....	5·50 K 0	14 47 31·890	+238·63	− 0·04	− 1·79	+37 34 45·11	−1492·3	+11·9	+ 8·8	7 11	26·48	26·05
978	CD − 30°, 11780..	6·43 G 0	14 48 4·485	+359·49	+ 1·27	− 2·56	−30 16 7·80	−1489·2	+17·9	− 3·3	4	29·56	
979	BD + 6°, 2957....	6·69 K 0	14 49 57·025	+296·92	+ 0·30	− 0·20	+ 6 32 50·26	−1478·1	+14·9	+ 0·0	4	27·87	
980	β U. Min.....	2·24 K 5	14 50 54·211	−18·81	+ 4·91	− 0·79	+74 27 43·14	−1472·5	− 0·6	+ 0·7	14 17	27·42	27·36
981	BD + 41°, 2539...	7·21 A 2	14 53 10·042	+226·39	− 0·02	− 0·06	+41 26 16·60	−1459·0	+11·6	+ 3·6	5 8	25·14	25·10
982	BD + 22°, 2764...	6·24 A 0	14 53 40·738	+270·44	+ 0·09	− 0·15	+21 51 25·37	−1455·9	+13·9	− 3·2	6 10	26·77	26·61
983	Br. 1908.....	5·71 K 0	14 53 42·337	+307·07	+ 0·41	+ 0·43	+ 0 8 1·97	−1455·8	+15·7	− 3·1	7 8	26·22	26·25
984	Pi 14h, 223.....	6·77 K 0	14 53 53·350	+335·50	+ 0·80	− 0·37	−17 3 50·20	−1454·7	+17·1	− 0·7	4	28·83	
985	BD + 14°, 2812...	6·77 K 2	14 54 43·369	+283·69	+ 0·19	− 0·25	+14 20 13·63	−1449·6	+14·6	+ 0·1	5 6	27·78	27·36
986	Gr. 2196.....	5·73 G 0	14 55 16·701	−427·27	+32·91	+ 8·60	+82 49 14·24	−1446·3	−21·3	−23·2	14 17	31·07	30·67
987	δ Libr.....	* A 0	14 56 57·700	+320·75	+ 0·58	− 0·44	− 8 13 19·73	−1436·0	+16·6	− 1·2	19 40	26·96	27·49
988	BD − 7°, 3943....	6·85 G 5	14 58 3·571	+320·53	+ 0·58	− 0·24	− 8 2 59·59	−1429·3	+16·7	+ 2·4	3 2	27·69	27·38
989	β Boot.....	3·63 G 5	14 59 7·129	+226·36	+ 0·00	− 0·39	+40 41 8·36	−1422·8	+11·9	− 3·9	6 9	29·89	29·74
990	BD + 72°, 664....	6·66 G 0	15 0 19·623	+ 15·03	+ 3·42	− 8·66	+72 3 30·85	−1415·3	+ 1·1	+ 9·1	7 9	31·16	29·87

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 987. $4^m.8$ to $5^m.9$.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +
				1st Term	2nd Term			1st Term	2nd Term			
			h m s	s	s	s	° ′ ″	″	″	″		
991	Gr. 2283.....	7·16 K 0	15 1 7·156	−1886·58	+323·21	− 1·38	+87 31 18·08	−1410·4	−97·4	+ 1·8	175 174	29·59 29·72
992	BD − 21°, 4030...	6·11 K 0	15 2 7·231	+345·31	+ 0·93	+ 0·45	−21 44 28·15	−1404·2	+18·3	− 6·6	6 6	32·56 32·22
993	BD − 12°, 4198...	7·32 A 0	15 2 27·148	+328·66	+ 0·68	+ 0·09	−12 37 1·64	−1402·1	+17·4	− 2·8	4 5	30·92 30·81
994	Br. 1925.....	5·59 A 0	15 2 56·655	+199·34	+ 0·09	− 0·65	+48 26 24·88	−1399·0	+10·7	+ 2·2	4 4	29·94 30·44
995	BD + 19°, 2924...	6·00 A 0	15 3 53·921	+274·70	+ 0·15	+ 0·29	+18 43 50·68	−1393·1	+14·7	− 6·3	5 7	27·33 27·34
996	BD + 6°, 3001....	6·22 G 5	15 3 56·838	+297·54	+ 0·32	− 0·06	+ 5 47 9·92	−1392·7	+15·9	− 2·5	4 6	28·60 27·88
997	Br. 1926.....	5·73 K 0	15 5 9·423	+258·94	+ 0·07	+ 0·02	+26 35 16·76	−1385·1	+13·9	− 2·1	5 8	28·62 28·55
998	BD + 34°, 2604...	6·89 K 0	15 5 16·891	+242·11	+ 0·03	− 0·25	+33 59 33·58	−1384·3	+13·1	+ 0·0	5	27·62
999	BD − 4°, 3818....	7·15 K 0	15 5 38·127	+315·93	+ 0·51	− 1·13	− 5 6 30·06	−1382·1	+17·0	− 6·6	6 7	30·39 30·38
1000	CD − 25°, 10758..	5·94 K 0	15 5 52·092	+354·63	+ 1·06	− 0·24	−26 2 51·14	−1380·6	+19·0	− 1·9	6 5	28·22 28·80
1001	Gr. 2194.....	6·27 K 0	15 5 56·625	+190·38	+ 0·15	− 0·06	+50 20 28·58	−1380·1	+10·4	− 2·8	4 4	28·36 28·41
1002	Gr. 2197.....	6·75 F 2	15 6 24·467	+113·36	+ 1·00	+ 0·02	+63 24 10·92	−1377·2	+ 6·3	− 0·2	18	32·54 32·07
1003	Gr. 2205.....	6·55 A 5	15 11 19·181	+213·86	+ 0·07	− 0·66	+43 19 32·46	−1345·7	+11·8	+ 4·6	14	25·65 25·51
1004	β Libr.....	2·74 B 8	15 12 58·016	+323·26	+ 0·59	− 0·66	− 9 6 25·30	−1335·0	+17·1	− 2·6	31 83	27·99 29·57
1005	BD + 37°, 2625...	7·08 F 8	15 13 29·577	+231·06	+ 0·05	− 2·26	+37 20 40·30	−1331·5	+12·9	+ 0·4	6 9	26·37 26·61
1006	BD + 69°, 789....	6·50 A 0	15 14 17·723	+ 43·21	+ 2·34	+ 0·41	+69 13 17·39	−1326·3	+ 2·6	− 1·3	8	29·12 29·57
1007	Pi 15h, 36.....	5·66 G 5	15 15 2·655	+269·02	+ 0·14	− 0·10	+20 50 46·03	−1321·4	+15·0	− 2·7	7 9	27·20 27·26
1008	BD + 10°, 2823...	6·71 F 8	15 15 5·892	+288·29	+ 0·26	− 0·64	+10 42 1·79	−1321·0	+16·1	− 0·4	4 7	28·18 28·00
1009	Br. 1939.....	6·11 F 5	15 16 49·501	+334·92	+ 0·72	+ 0·16	−15 16 43·50	−1309·6	+18·8	+ 1·8	3 5	25·68 25·99
1010	BD − 6°, 4181....	7·43 K 2	15 17 9·982	+318·54	+ 0·53	+ 0·09	− 6 20 36·15	−1307·3	+17·9	+ 0·9	4 6	25·16 25·27
1011	Br. 1940.....	5·48 K 0	15 17 12·787	+305·53	+ 0·40	− 0·31	+ 0 59 14·03	−1307·0	+17·2	−11·2	6 9	24·70 25·18
1012	CD − 26°, 10842..	6·78 K 0	15 18 27·831	+357·86	+ 1·04	+ 0·14	−26 25 16·79	−1298·7	+20·1	− 0·8	5	28·16
1013	Pi 15h, 54.....	5·78 K 0	15 19 45·040	+329·21	+ 0·64	− 0·28	−12 6 10·44	−1290·1	+18·6	− 4·6	4 7	27·88 27·65
1014	Br. 1945.....	6·10 F 0	15 19 51·534	+308·63	+ 0·43	+ 0·48	− 0 45 20·73	−1289·4	+17·5	− 3·6	7 11	24·52 25·03
1015	γ U. Min.....	3·14 A 2	15 20 49·859	− 10·63	+ 3·64	− 0·43	+72 6 3·25	−1282·9	− 0·3	+ 1·6	13 17	27·08 26·98
1016	Pi 15h, 83.....	6·26 K 5	15 24 25·171	+257·98	+ 0·12	− 0·04	+25 21 42·26	−1258·6	+14·9	− 2·9	5 10	25·44 25·65
1017	BD − 20°, 4246...	6·10 A 2	15 26 15·891	+346·36	+ 0·84	+ 0·10	−20 28 16·52	−1246·0	+20·0	− 2·7	8 10	25·38 25·57
1018	Gr. 2240.....	6·30 A 2	15 27 0·428	+154·86	+ 0·43	− 0·13	+55 27 5·16	−1240·9	+ 9·1	+ 2·5	5	26·86
1019	BD + 9°, 3055....	6·46 F 2	15 27 16·812	+290·95	+ 0·28	+ 0·25	+ 8 50 5·14	−1239·0	+16·9	− 1·1	7 9	26·56 26·51
1020	BD + 31°, 2742...	6·35 A 2	15 27 20·604	+242·79	+ 0·09	− 0·22	+31 32 31·88	−1238·6	+14·2	− 1·9	3 5	25·10 25·63
1021	γ Libr.....	4·02 K 0	15 31 18·599	+334·90	+ 0·68	+ 0·44	−14 32 24·99	−1211·0	+19·7	− 0·2	35 103	28·06 29·62
1022	α Cor. B.....	2·31 A 0	15 31 30·645	+253·07	+ 0·12	+ 0·89	+26 57 58·07	−1209·7	+15·0	− 9·8	6 10	28 59 28·30
1023	BD + 11°, 2826...	6·11 G 5	15 32 19·159	+285·52	+ 0·25	− 0·29	+11 30 50·77	−1204·1	+16·9	− 1·9	7 9	25·50 25·70
1024	θ U. Min.....	5·33 K 5	15 33 36·123	−180·65	+ 9·32	− 1·50	+77 35 58·85	−1195·1	−10·3	+ 0·8	10 13	30·91 30·07
1025	BD + 81°, 517....	6·97 K 0	15 34 22·512	−373·45	+19·79	+ 0·23	+81 1 19·30	−1189·7	−21·7	+ 1·6	5 7	29·27 29·31
1026	Br. 1975.....	5·53 G 5	15 34 35·192	+344·46	+ 0·77	+ 0·59	−19 3 20·65	−1188·2	+20·5	− 8·4	7 8	25·82 25·79
1027	BD + 23°, 2838...	7·62 K 0	15 35 8·518	+261·70	+ 0·15	− 0·47	+22 55 8·94	−1184·3	+15·6	+ 0·3	6 8	26·94 26·57
1028	Pi 15h, 153.....	5·78 F 0	15 35 51·948	+191·22	+ 0·20	+ 0·83	+47 2 39·09	−1179·1	+11·5	−13·3	7 8	26·54 26·66
1029	BD + 35°, 2711...	6·19 K 0	15 35 54·865	+231·83	+ 0·11	+ 0·00	+34 55 7·93	−1178·8	+13·9	− 2·4	7 12	28·40 27·72
1030	BD − 5°, 4143....	7·42 K 0	15 37 45·725	+319·10	+ 0·50	− 0·10	− 6 12 15·43	−1165·7	+19·2	− 0·2	7 9	25·18 25·36
1031	Br. 1987.....	6·44 K 0	15 39 12·319	+336·14	+ 0·66	− 0·05	−14 48 13·17	−1155·4	+20·3	−10·3	5 6	29·00 29·08
1032	ψ Serp.....	5·80 G 5	15 40 15·278	+302·01	+ 0·36	− 0·56	+ 2 45 15·97	−1147·9	+18·3	−15·7	4	29·67
1033	α Serp.....	2·75 K 0	15 40 34·343	+294·48	+ 0·31	+ 0·90	+ 6 39 38·34	−1145·6	+17·9	+ 3·9	4 14	28·89 30·61
1034	Gr. 2270.....	5·48 A 0	15 40 48·128	+163·77	+ 0·35	− 0·70	+52 35 49·76	−1144·0	+10·0	+ 2·5	7	32·39
1035	Br. 1993.....	5·89 A 0	15 41 17·602	+272·63	+ 0·20	− 0·20	+17 29 57·16	−1140·4	+16·6	− 0·8	4 5	28·90 28·19

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.		Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term					
			h m s	s	s	s	° ′ ″	″	″	″				
1036	CD − 27°, 10550..	6·45 A 5	15 41 38·509	+365·35	+ 1·00	− 0·52	−27 49 38·27	−1137·9	+22·2	− 3·4	5		32·48	32·27
1037	β Serp.....	3·74 A 2	15 42 43·449	+276·35	+ 0·21	+ 0·46	+15 39 20·20	−1130·1	+16·9	− 5·5	4	5	27·13	27·25
1038	λ Serp.....	4·42 G 0	15 42 47·986	+292·58	+ 0·30	− 1·52	+ 7 35 12·81	−1129·6	+17·9	− 7·2	5		29·40	29·79
1039	CD − 23°, 12525..	6·66 A 0	15 43 59·542	+355·69	+ 0·86	− 0·40	−23 36 11·92	−1120·9	+21·7	− 3·2	4		30·88	
1040	Br. 1999.....	5·61 A 3	15 45 0·910	+314·25	+ 0·45	− 0·24	− 3 35 22·60	−1113·5	+19·3	+ 0·3	4	5	27·40	26·99
1041	R Cor. B.....	* G 0	15 45 28·887	+247·15	+ 0·13	− 0·04	+28 23 8·67	−1110·1	+15·2	− 2·2	5		27·80	
1042	μ Serp.....	3·63 A 0	15 45 42·175	+313·51	+ 0·44	− 0·59	− 3 12 6·00	−1108·5	+19·3	− 2·9	5	7	26·56	26·15
1043	ζ U. Min.....	4·34 A 2	15 46 41·966	−219·18	+ 9·89	+ 0·61	+78 1 33·28	−1101·2	−13·1	− 0·4	7	9	29·96	30·01
1044	ε Serp.....	3·75 A 2	15 47 4·499	+298·09	+ 0·33	+ 0·83	+ 4 42 9·34	−1098·5	+18·4	+ 5·7	15	21	26·75	28·14
1045	Gr. 2315.....	7·32 A 2	15 51 5·370	−637·34	+34·84	+ 0·39	+83 10 33·56	−1069·0	−39·1	− 0·1	7	8	29·62	29·46
1046	Pi 15h, 212.....	5·76 K 5	15 51 16·133	+264·93	+ 0·18	− 0·58	+20 31 47·53	−1067·6	+16·6	+ 3·9	5	7	25·77	25·66
1047	γ Serp.....	3·86 F 5	15 52 59·232	+274·90	+ 0·21	+ 2·11	+15 54 14·74	−1054·9	+17·3	−129·3	35	101	27·86	28·81
1048	φ Serp.....	5·66 K 0	15 53 46·788	+277·56	+ 0·22	− 0·85	+14 37 42·70	−1049·0	+17·5	+ 8·0	4	6	27·90	27·09
1049	π Scor.....	3·00 B 2	15 54 18·593	+362·65	+ 0·88	− 0·09	−25 53 57·07	−1045·0	+22·8	− 3·2	4		29·99	
1050	BD − 5°, 4210....	7·42 K 0	15 55 47·121	+319·14	+ 0·46	− 0·08	− 5 54 53·20	−1034·0	+20·1	− 1·7	8	10	26·15	26·40
1051	δ Scor.....	2·54 B 0	15 55 53·592	+354·50	+ 0·78	− 0·08	−22 24 33·70	−1033·2	+22·4	− 3·0	4		26·39	
1052	BD + 31°, 2805...	6·68 K 0	15 57 44·943	+235·99	+ 0·14	+ 0·48	+31 46 45·49	−1019·2	+15·0	− 5·6	13	19	24·82	24·86
1053	CD − 28°, 11817..	6·16 K 0	15 58 0·360	+370·91	+ 0·96	+ 0·26	−28 55 38·38	−1017·3	+23·5	− 2·1	4	6	27·95	27·62
1054	Pi 15h, 237.....	5·10 K 0	15 58 48·325	+362·70	+ 0·86	− 0·53	−25 39 26·17	−1011·3	+23·0	− 4·6	5		27·45	
1055	Pi 15h, 266.....	5·85 *	16 0 33·778	+220·46	+ 0·15	+ 0·06	+36 50 16·38	− 998·0	+14·1	− 2·5	11	12	24·68	24·85
1056	β Scor.....	2·90 B 1	16 1 4·282	+348·60	+ 0·70	− 0·05	−19 36 3·79	− 994·1	+22·3	− 2·6	5		25·19	
1057	BD + 59°, 1697...	6·20 M 0	16 1 47·198	+109·02	+ 0·78	− 0·30	+59 36 57·93	− 988·7	+ 7·1	− 2·7	7	10	24·92	25·07
1058	Br. 2042.....	5·64 A 0	16 3 26·275	+333·25	+ 0·55	− 0·34	−12 32 41·03	− 976·1	+21·4	− 3·6	7	8	25·72	25·69
1059	CD − 23°, 12731..	5·79 B 9	16 4 14·651	+358·10	+ 0·77	− 0·11	−23 29 10·61	− 969·9	+23·0	− 3·1	13		26·04	25·89
1060	κ Herc.....	5·34 G 5	16 4 41·287	+270·94	+ 0·20	− 0·26	+17 14 44·81	− 966·5	+17·5	− 1·8	8	14	25·78	26·01
1061	BD + 6°, 3169....	6·02 G 5	16 5 29·474	+293·73	+ 0·29	+ 1·57	+ 6 35 28·46	− 960·4	+19·0	−74·4	7	11	25·28	25·24
1062	BD + 45°, 2374...	7·35 K 0	16 5 38·528	+187·55	+ 0·23	− 0·06	+45 34 40·60	− 959·2	+12·2	+ 0·2	6	9	26·08	26·55
1063	BD + 41°, 2673...	6·85 F 5	16 6 45·692	+203·96	+ 0·18	− 1·89	+41 17 24·05	− 950·6	+13·3	+ 6·6	5		25·44	
1064	BD + 27°, 2595...	6·68 K 0	16 6 58·221	+247·47	+ 0·16	− 0·18	+26 56 13·38	− 949·0	+16·1	+ 4·0	7	8	26·02	25·95
1065	BD − 1°, 3149....	6·58 K 0	16 9 46·093	+309·94	+ 0·37	− 0·37	− 1 17 6·55	− 927·4	+20·2	− 1·6	6	8	27·60	27·02
1066	δ Ophi.....	3·03 M 0	16 10 24·741	+314·54	+ 0·40	− 0·31	− 3 30 8·71	− 922·4	+20·5	−14·9	8	37	28·54	30·00
1067	13 Herc.....	7·43 F 0	16 11 28·996	+282·70	+ 0·24	+ 0·01	+11 40 45·01	− 914·0	+18·5	− 8·3	3	4	28·44	29·20
1068	Br. 2067.....	5·56 G 0	16 11 32·622	+324·36	+ 0·46	+ 1·52	− 8 10 22·38	− 913·6	+21·2	−50·8	2	1	30·40	30·42
1069	Br. 2075.....	6·59 K 0	16 13 4·699	+255·86	+ 0·17	− 0·12	+23 18 29·66	− 901·6	+16·8	− 1·9	3	5	27·76	26·99
1070	Pi 16h, 31.....	4·87 A 0	16 13 38·500	+371·97	+ 0·85	− 0·24	−28 25 43·91	− 897·2	+24·4	−11·1	4	3	29·40	29·75
1071	Gr. 2325.....	7·04 F 0	16 13 57·228	+146·13	+ 0·43	+ 0·10	+53 25 22·29	− 894·7	+ 9·7	− 6·8	2		29·49	27·96
1072	ε Ophi.....	3·34 K 0	16 14 21·013	+316·72	+ 0·41	+ 0·55	− 4 30 38·71	− 891·6	+20·9	+ 3·5	8	20	27·02	27·11
1073	Br. 2099.....	6·51 K 2	16 14 23·758	−152·13	+ 5·52	− 1·11	+75 23 50·07	− 891·3	− 9·7	+ 3·0	8	9	32·05	31·98
1074	BD + 32°, 2702...	6·93 G 0	16 14 50·482	+232·47	+ 0·16	+ 1·21	+31 58 49·81	− 887·8	+15·4	+28·8	3	5	27·42	27·82
1075	BD − 18°, 4260...	6·89 A 0	16 15 13·930	+347·74	+ 0·62	− 0·07	−18 38 49·29	− 884·7	+22·9	+ 0·4	4		32·00	
1076	σ Scor.....	3·10 B 1	16 16 37·521	+364·42	+ 0·76	− 0·08	−25 24 49·67	− 873·8	+24·1	− 2·8	7	5	29·29	29·84
1077	τ Herc.....	3·91 B 5	16 17 29·047	+180·36	+ 0·26	− 0·13	+46 29 28·84	− 867·0	+12·0	+ 3·2	7		28·45	
1078	σ Serp.....	4·80 F 0	16 18 16·255	+304·74	+ 0·33	− 1·08	+ 1 12 15·87	− 860·8	+20·2	+ 4·8	5	7	30·11	30·19
1079	γ Herc.....	3·79 F 0	16 18 36·565	+264·92	+ 0·19	− 0·34	+19 19 42·03	− 858·1	+17·6	+ 3·9	31	82	27·51	27·68
1080	BD − 2°, 4179....	7·00 F 2	16 20 45·191	+312·19	+ 0·37	− 0·27	− 2 18 57·13	− 841·1	+20·8	− 1·0	7	10	27·25	26·61

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 1041. $5^m.8$ to $13^m.8$.

* 1055. F5 + A2.

No	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
1081	η Drac.....	2·89 G 5	16 22 58·191	+ 81·17	+ 0·92	− 0·32	+61 41 1·06	− 823·5	+ 5·6	+ 5·8	18 20	26·69	26·61
1082	α Scor.....	1·22 *	16 24 48·221	+367·62	+ 0·73	− 0·07	−26 16 0·57	− 808·9	+24·7	− 2·8	5	25·48	
1083	BD − 14°, 4433...	5·75 G 0	16 25 32·331	+338·69	+ 0·51	+ 0·18	−14 23 13·85	− 803·0	+22·8	+ 1·0	3 7	25·43	25·55
1084	BD + 29°, 2834...	7·11 A 2	16 25 32·665	+238·74	+ 0·16	− 0·12	+29 14 24·63	− 802·9	+16·1	+ 0·5	6 8	28·29	28·09
1085	CD − 27°, 10967..	6·79 B 8	16 25 36·424	+371·72	+ 0·76	− 0·09	−27 45 8·54	− 802·4	+25·0	− 1·1	4 5	31·25	31·07
1086	Br. 2092.....	4·87 B 3	16 25 38·802	+364·26	+ 0·70	− 0·06	−24 57 4·06	− 802·1	+24·5	− 2·9	4	26·70	
1087	BD + 6°, 3236....	6·94 F 5	16 26 10·252	+294·11	+ 0·27	+ 0·03	+ 6 8 2·56	− 797·9	+19·8	+ 0·6	6 7	28·64	28·48
1088	β Herc.....	2·81 K 0	16 26 59·607	+258·54	+ 0·18	− 0·74	+21 39 7·41	− 791·3	+17·5	− 2·2	32 79	28·03	28·40
1089	BD + 35°, 2823...	8·0 K 0	16 27 0·008	+220·14	+ 0·16	− 0·27	+35 21 51·99	− 791·2	+14·9	− 0·9	2 1	31·98	31·44
1090	BD + 35°, 2828...	6·47 K 5	16 28 17·733	+219·86	+ 0·17	+ 0·05	+35 23 8·79	− 780·8	+14·9	− 3·2	8 12	28·95	27·86
1091	τ Scor.....	2·91 B 0	16 31 12·529	+373·24	+ 0·74	− 0·08	−28 3 41·41	− 757·3	+25·3	− 2·8	10 11	25·49	25·81
1092	Pi 16h, 140.....	5·85 A 0	16 31 21·724	+ 84·19	+ 0·83	+ 0·21	+60 58 48·88	− 756·0	+ 5·8	− 1·6	10	27·31	
1093	BD + 17°, 3053...	6·27 A 0	16 32 4·459	+268·90	+ 0·20	− 0·04	+17 12 38·80	− 750·3	+18·3	− 0·7	6 9	26·76	26·19
1094	σ Ophi.....	2·70 B 0	16 33 1·567	+330·10	+ 0·43	+ 0·07	−10 24 58·39	− 742·6	+22·5	+ 2·0	28 73	27·98	28·68
1095	BD + 23°, 2965...	6·89 K 0	16 33 42·352	+254·48	+ 0·17	+ 0·73	+23 1 17·12	− 737·0	+17·4	−14·4	4 6	29·00	28·51
1096	Gr. 2362.....	5·95 G 5	16 33 59·716	+175·05	+ 0·26	− 0·15	+46 45 52·47	− 734·7	+12·0	+ 0·4	5 8	30·07	29·11
1097	BD − 6°, 4467....	6·00 A 0	16 34 0·362	+321·20	+ 0·38	− 0·04	− 6 23 17·26	− 734·6	+21·9	− 1·0	4 5	28·76	28·68
1098	BD + 13°, 3177...	6·20 F 2	16 34 20·477	+276·64	+ 0·21	− 0·26	+13 50 15·94	− 731·9	+18·9	− 6·3	6 8	28·27	27·94
1099	BD + 43°, 2624...	7·15 A 2	16 35 8·783	+188·18	+ 0·22	+ 0·16	+43 42 48·27	− 725·3	+12·9	+ 3·8	6	25·78	
1100	BD + 80°, 519....	6·95 G 0	16 36 5·850	−396·41	+11·25	+ 3·19	+79 56 42·13	− 717·6	−26·8	− 8·4	11 9	28·25	27·06
1101	Gr. 2369.....	5·44 G 5	16 36 29·272	+121·04	+ 0·52	0·00	+56 9 42·29	− 714·3	+ 8·4	+ 6·5	13 12	26·72	26·34
1102	Pi 16h, 159.....	5·96 A 2	16 40 18·500	+375·13	+ 0·68	− 0·22	−28 22 15·67	− 683·0	+25·8	− 0·6	6 8	26·46	26·36
1103	η Herc.....	3·61 K 0	16 40 19·340	+205·31	+ 0·18	+ 0·30	+39 3 50·89	− 682·9	+14·2	− 9·0	7 10	25·62	25·66
1104	Pi 16h, 177.....	5·90 F 2	16 41 5·523	+221·87	+ 0·17	− 0·59	+34 10 34·27	− 676·6	+15·4	+ 4·8	9 12	25·13	
1105	Br. 2131.....	5·38 K 2	16 42 13·725	+287·96	+ 0·23	− 0·02	+ 8 43 5·69	− 667·2	+19·9	+ 1·0	8 12	25·36	25·74
1106	Br. 2135.....	6·04 A 2	16 43 22·727	+302·43	+ 0·28	− 0·13	+ 2 11 55·08	− 657·7	+21·0	− 1·5	7 8	25·15	25·04
1107	BD − 4°, 4165....	7·26 G 5	16 44 53·395	+316·98	+ 0·33	− 0·01	− 4 22 58·25	− 645·2	+22·0	−10·0	6 8	25·13	25·33
1108	BD − 21°, 4422...	7·60 M 0	16 45 6·382	+357·70	+ 0·53	− 0·10	−21 43 18·22	− 643·4	+24·8	− 2·3	6 9	26·00	26·61
1109	BD + 53°, 1897...	7·13 K 0	16 47 39·397	+138·43	+ 0·38	− 0·28	+53 2 42·14	− 622·3	+ 9·7	− 0·3	12 13	25·48	25·65
1110	Br. 2145.....	5·86 K 5	16 47 43·195	+234·13	+ 0·16	− 0·06	+29 56 0·57	− 621·7	+16·4	− 0·6	10 13	25·39	25·40
1111	BD + 18°, 3261...	6·87 F 5	16 49 21·705	+265·45	+ 0·18	+ 0·08	+18 11 10·68	− 608·1	+18·6	− 4·0	4 8	26·26	26·51
1112	BD + 35°, 2878...	7·7 K 5	16 49 29·105	+216·06	+ 0·17	+ 0·35	+35 36 48·77	− 607·0	+15·1	+ 0·0	3 4	27·53	
1113	Br. 2146.....	5·35 K 0	16 50 34·973	+320·76	+ 0·33	− 0·26	− 6 1 56·85	− 597·9	+22·4	− 2·3	4 5	30·01	30·33
1114	ε U. Min.....	4·40 G 5	16 53 35·557	−623·14	+16·14	+ 0·69	+82 9 47·41	− 572·7	−43·4	− 0·1	229 230	29·06	28·48
1115	BD + 14°, 3155...	6·51 G 5	16 54 5·724	+275·33	+ 0·19	− 0·61	+13 59 53·60	− 568·5	+19·4	+ 6·5	3 6	30·82	30·16
1116	κ Ophi.....	3·42 K 0	16 54 6·922	+285·86	+ 0·21	− 1·98	+ 9 29 26·33	− 568·3	+20·1	− 1·3	1 4	28·44	28·76
1117	BD + 24°, 3095...	6·36 K 0	16 54 35·429	+248·85	+ 0·16	+ 0·03	+24 29 47·76	− 564·3	+17·5	− 3·1	5	30·56	
1118	Gr. 2406.....	6·84 F 0	16 55 14·150	−189·34	+ 3·97	+ 0·84	+75 30 40·98	− 558·9	−13·1	− 2·0	2 3	32·81	32·40
1119	Br. 2169.....	4·82 F 5	16 55 36·738	+ 28·79	+ 1·06	+ 3·78	+65 14 57·04	− 555·8	+ 2·1	+ 4·3	5 9	31·49	31·32
1120	ε Herc.....	3·92 A 0	16 57 25·058	+229·85	+ 0·16	− 0·39	+31 2 9·23	− 540·6	+16·2	+ 2·2	10 12	25·10	25·25
1121	Br. 2158.....	6·37 K 0	16 57 27·785	+351·03	+ 0·43	− 0·28	−18 46 35·05	− 540·2	+24·8	− 2·4	7 9	26·36	26·63
1122	BD + 19°, 3218...	6·57 K 5	17 0 37·033	+260·79	+ 0·17	− 0·15	+19 47 41·72	− 513·6	+18·5	+ 1·0	1	24·51	
1123	Pi 16h, 292.....	6·13 A 0	17 1 25·338	+260·98	+ 0·17	+ 0·05	+19 42 6·40	− 506·8	+18·5	− 0·5	10 15	24·70	24·88
1124	Br. 2162.....	6·29 A 0	17 1 42·898	+358·13	+ 0·44	− 0·14	−21 27 42·36	− 504·3	+25·4	− 8·2	7	26·49	
1125	Pi 16h, 284.....	6·20 A 0	17 2 14·145	+371·56	+ 0·50	+ 0·00	−26 24 45·12	− 499·9	+26·3	− 2·6	5 4	26·52	26·28

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 1082. M 0 + A 3.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
1126	Pi 16h, 307.....	6·36 A 0	17 2 47·730	+182·61	+ 0·21	+ 0·02	+43 54 48·44	− 495·1	+13·0	− 0·3	6 11	24·84	24·96
1127	Pi 16h, 310.....	6·32 K 0	17 2 50·200	+158·80	+ 0·27	+ 0·30	+48 54 24·38	− 494·8	+11·3	− 7·7	13 15	26·35	26·51
1128	Pi 16h, 303.....	6·02 A 0	17 4 21·374	+309·50	+ 0·25	− 0·15	− 0 58 54·08	− 481·9	+22·0	− 3·8	5 7	27·92	27·34
1129	BD + 31°, 2967...	6·61 K 2	17 5 9·241	+228·34	+ 0·15	− 0·02	+31 18 10·57	− 475·1	+16·3	− 1·6	5 6	28·11	28·01
1130	BD + 28°, 2677...	6·99 F 2	17 5 23·192	+237·27	+ 0·15	− 0·16	+28 19 56·52	− 473·1	+16·9	−13·1	4 6	27·77	28·02
1131	η Ophi.....	2·63 A 2	17 6 4·461	+343·64	+ 0·35	+ 0·24	−15 37 58·96	− 467·3	+24·5	+ 9·0	37 103	27·49	29·16
1132	BD − 14°, 4565...	7·26 G 0	17 7 42·683	+341·01	+ 0·34	− 0·11	−14 31 43·77	− 453·4	+24·3	− 5·9	5 6	27·50	27·33
1133	BD + 8°, 3367....	6·39 K 0	17 8 8·106	+289·01	+ 0·20	+ 0·18	+ 7 59 6·37	− 449·8	+20·6	+ 0·4	6 7	25·51	25·63
1134	BD + 21°, 3070...	6·93 K 0	17 10 27·173	+255·82	+ 0·16	+ 0·07	+21 31 4·69	− 430·0	+18·3	− 0·9	9 13	26·04	25·77
1135	α^1 Herc.....	3·48 M 3	17 11 13·548	+273·56	+ 0·17	− 0·07	+14 28 29·28	− 423·4	+19·6	+ 3·0	11 12	25·73	26·00
1136	BD − 9°, 4525....	7·06 F 5	17 11 33·525	+329·67	+ 0·28	+ 0·07	− 9 43 28·32	− 420·5	+23·6	− 2·2	4 5	25·74	25·88
1137	Pi 17h, 61.....	5·47 A 3	17 11 53·481	+ 51·22	+ 0·69	+ 0·20	+62 57 35·59	− 417·7	+ 3·7	+ 4·8	12 15	27·96	27·88
1138	BD + 1°, 3408....	* B 8	17 12 43·271	+304·33	+ 0·22	− 0·01	+ 1 17 34·67	− 410·6	+21·8	− 2·0	14 15	25·46	25·43
1139	BD + 39°, 3098...	7·37 F 5	17 14 24·703	+199·12	+ 0·17	− 0·36	+39 32 44·62	− 396·1	+14·3	+13·9	11 12	26·20	26·08
1140	Br. 2191.....	5·28 K 5	17 15 5·306	+281·93	+ 0·18	+ 0·01	+10 56 40·64	− 390·3	+20·2	− 9·6	11 17	26·05	25·72
1141	Pi 17h, 43.....	6·04 A 0	17 15 31·244	+349·07	+ 0·32	− 0·08	−17 40 45·53	− 386·6	+25·0	− 2·6	8	26·40	26·25
1142	Gr. 2437.....	6·81 K 2	17 17 22·536	− 93·81	+ 1·65	− 0·07	+71 52 14·34	− 370·7	− 6·6	− 0·6	13 14	27·18	27·46
1143	θ Ophi.....	3·37 B 3	17 17 24·044	+368·31	+ 0·38	− 0·02	−24 55 33·03	− 370·4	+26·5	− 2·5	7 6	25·88	25·74
1144	Pi 17h, 76.....	5·96 K 0	17 20 12·727	+358·79	+ 0·33	− 0·15	−21 22 21·67	− 346·2	+25·8	− 3·4	7 8	25·58	25·55
1145	BD − 1°, 3329....	6·31 F 5	17 22 4·180	+310·93	+ 0·21	+ 0·41	− 1 35 13·95	− 330·2	+22·4	+ 4·7	4	28·78	
1146	BD + 16°, 3183...	6·69 F 2	17 22 19·460	+268·36	+ 0·15	− 0·13	+16 26 55·14	− 328·0	+19·4	+ 2·9	8	30·03	
1147	BD + 50°, 2400...	7·87 F 2	17 22 35·402	+147·37	+ 0·24	− 0·20	+50 29 33·34	− 325·7	+10·7	− 6·6	7	30·58	
1148	BD + 7°, 3368....	5·98 *	17 22 41·665	+289·54	+ 0·17	− 0·01	+ 7 39 37·37	− 324·8	+20·9	− 0·9	4 5	28·51	
1149	σ Ophi.....	4·44 K 0	17 22 47·491	+297·59	+ 0·18	− 0·01	+ 4 12 15·87	− 324·0	+21·5	+ 0·4	51 120	26·66	27·80
1150	Pi 17h, 90.....	5·92 B 9	17 22 50·411	+382·38	+ 0·38	− 0·07	−29 39 38·59	− 323·6	+27·6	− 3·2	4 5	32·30	32·53
1151	BD + 27°, 2809...	6·36 A 5	17 23 0·465	+240·24	+ 0·14	+ 0·02	+26 56 33·65	− 322·1	+17·3	+ 1·6	5 7	29·92	29·97
1152	BD + 58°, 1731...	6·52 A 2	17 24 57·138	+ 89·94	+ 0·39	− 0·11	+58 42 51·09	− 305·3	+ 6·5	+ 1·2	5 4	27·33	27·01
1153	Gr. 2456.....	5·91 K 2	17 25 16·581	−457·86	+ 5·55	+ 0·64	+80 12 15·67	− 302·5	−32·9	+ 0·0	6 7	29·54	28·95
1154	β Drac.....	2·99 G 0	17 28 44·104	+135·64	+ 0·25	− 0·19	+52 21 22·62	− 272·6	+ 9·9	+ 0·8	16 20	26·59	26·54
1155	BD − 5°, 4461....	5·69 A 2	17 29 29·479	+320·48	+ 0·20	− 0·32	− 5 41 27·56	− 266·0	+23·2	−10·2	8 7	26·01	26·22
1156	BD − 11°, 4411...	5·56 B 8	17 30 35·973	+333·50	+ 0·21	− 0·10	−11 11 32·76	− 256·4	+24·2	+ 0·2	6 7	28·47	28·50
1157	α Ophi.....	2·14 A 5	17 31 27·100	+277·61	+ 0·15	+ 0·80	+12 36 47·87	− 249·0	+20·1	−23·2	52 138	27·29	28·52
1158	BD + 41°, 2856...	7·16 A 0	17 32 17·032	+192·14	+ 0·16	− 0·02	+40 57 25·51	− 241·8	+14·0	+ 1·4	5 7	29·72	29·53
1159	BD + 12°, 3256...	7·04 K 5	17 32 21·512	+278·86	+ 0·15	+ 0·00	+12 5 38·16	− 241·2	+20·2	+ 0·5	5	27·53	
1160	Pi 17h, 156.....	5·92 A 5	17 33 17·853	+344·15	+ 0·22	− 0·08	−15 31 34·46	− 233·0	+25·0	− 0·5	4 5	29·56	29·17
1161	BD + 30°, 3033...	5·76 A 2	17 33 45·378	+228·05	+ 0·13	+ 0·21	+30 49 49·85	− 229·0	+16·6	− 1·1	6	30·56	
1162	Br. 2223.....	5·67 A 0	17 34 25·570	+247·17	+ 0·13	− 0·11	+24 21 12·79	− 223·2	+17·9	− 0·1	4 6	29·84	29·40
1163	Br. 2227.....	5·54 K 0	17 34 39·860	+156·48	+ 0·19	+ 0·29	+48 37 43·86	− 221·1	+11·4	+ 5·8	4	29·99	
1164	BD + 3°, 3465....	6·56 K 0	17 35 33·385	+298·92	+ 0·15	− 1·21	+ 3 35 53·54	− 213·4	+21·7	−10·2	4 5	27·77	28·33
1165	BD + 36°, 2912...	6·85 K 0	17 35 42·622	+207·91	+ 0·14	+ 0·40	+36 47 20·73	− 212·0	+15·1	+ 0·3	4	28·80	
1166	ι Herc.....	3·79 B 3	17 37 20·694	+169·36	+ 0·17	− 0·07	+46 2 43·96	− 197·8	+12·3	+ 0·0	4	26·99	
1167	β Ophi.....	2·94 K 0	17 39 45·944	+296·58	+ 0·14	− 0·29	+ 4 35 51·33	− 176·7	+21·6	+15·4	13 20	27·53	28·47
1168	BD − 22°, 4423...	6·24 K 0	17 43 13·612	+362·35	+ 0·19	+ 0·01	−22 27 3·04	− 146·6	+26·4	− 1·6	4 6	27·51	27·70
1169	BD − 14°, 4770...	6·07 B 9	17 43 19·988	+342·24	+ 0·17	− 0·10	−14 41 55·33	− 145·6	+24·9	− 2·6	4	28·26	
1170	μ Herc.....	3·48 G 5	17 43 31·123	+237·11	+ 0·12	− 2·38	+27 45 45·39	− 144·0	+17·3	−74·7	4 6	30·58	

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 1138. $5^m.7$ to $6^m.4$.

* 1148. A 0 + G.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
1171	Pi 17h, 223.....	6·16 B 3	17 43 46·325	+375·05	+ 0·20	− 0·01	−26 56 56·81	− 141·8	+27·3	− 1·8	4	30·87	
1172	BD + 17°, 3334...	5·58 A 0	17 43 49·262	+264·68	+ 0·12	+ 0·05	+17 43 25·56	− 141·4	+19·3	− 1·2	4 6	29·31	28·71
1173	γ Ophi.....	3·74 A 0	17 44 7·819	+300·91	+ 0·13	− 0·16	+ 2 44 3·57	− 138·7	+21·9	− 7·6	52 132	27·70	28·25
1174	Br. 2239.....	5·34 K 0	17 45 46·548	+243·24	+ 0·12	− 0·06	+25 38 48·32	− 124·3	+17·7	− 4·3	4 5	27·22	27·28
1175	BD + 9°, 3485....	6·79 K 5	17 46 36·153	+284·07	+ 0·12	− 0·18	+ 9 52 12·99	− 117·1	+20·7	− 5·7	7	26·96	
1176	BD + 80°, 555....	7·10 M 0	17 48 6·308	−474·21	+ 2·15	− 0·70	+80 18 33·62	− 104·0	−34·5	+ 0·4	14 19	29·84	28·69
1177	BD − 1°, 3412....	6·45 K 0	17 48 6·738	+310·12	+ 0·13	− 0·12	− 1 13 7·04	− 103·9	+22·6	− 0·4	10 12	25·04	25·05
1178	BD − 7°, 4523....	6·87 G 5	17 50 53·744	+325·38	+ 0·12	− 0·38	− 7 43 11·17	− 79·6	+23·7	− 6·0	11 13	27·07	26·92
1179	BD + 22°, 3237...	5·69 K 2	17 52 41·627	+252·03	+ 0·11	− 0·04	+22 28 28·56	− 63·9	+18·4	− 0·3	7	25·07	
1180	BD + 55°, 1995...	6·10 F 0	17 54 1·118	+109·39	+ 0·17	+ 0·37	+55 58 43·00	− 52·3	+ 8·0	+11·6	6 7	27·37	27·25
1181	BD + 33°, 2995...	6·78 K 0	17 54 39·655	+219·16	+ 0·12	+ 0·14	+33 24 29·90	− 46·7	+16·0	− 1·4	4 6	27·80	27·71
1182	γ Drac.....	2·42 K 5	17 54 51·716	+139·34	+ 0·15	− 0·12	+51 29 49·61	− 44·9	+10·2	− 2·4	4 5	28·08	27·99
1183	ν Ophi.....	3·50 K 0	17 54 53·762	+330·27	+ 0·11	− 0·06	− 9 45 56·41	− 44·6	+24·1	−11·8	5 18	28·69	29·30
1184	BD + 14°, 3374...	7·29 A 0	17 54 55·762	+272·69	+ 0·11	+ 0·07	+14 31 1·03	− 44·3	+19·9	− 2·1	4	28·61	
1185	BD + 62°, 1586...	7·22 K 0	17 55 43·437	+ 49·36	+ 0·20	− 0·71	+62 36 55·69	− 37·4	+ 3·6	+ 8·7	5	31·01	
1186	BD + 62°, 1587...	7·70 A 2	17 55 49·020	+ 49·22	+ 0·20	+ 0·11	+62 37 36·74	− 36·6	+ 3·6	− 2·1	2 3	31·63	31·29
1187	BD + 52°, 2119...	7·71 A 2	17 56 23·990	+134·88	+ 0·14	+ 0·06	+52 13 25·46	− 31·5	+ 9·8	− 2·8	4	31·63	
1188	δ U. Min.....	4·44 A 0	17 56 25·130	−1950·99	+ 5·98	+ 1·47	+86 36 50·37	− 31·3	−142·2	+ 5·0	163 160	28·91	28·06
1189	Br. 2257.....	4·81 B 3	17 56 32·824	+297·07	+ 0·10	− 0·01	+ 4 22 18·98	− 30·2	+21·7	− 1·6	5 6	29·59	29·75
1190	67 Ophi.....	3·95 B 5	17 56 53·237	+300·43	+ 0·10	− 0·02	+ 2 56 2·45	− 27·2	+21·9	− 1·1	5 12	28·15	29·55
1191	6 Sgtr.....	6·31 K 2	17 57 1·572	+348·53	+ 0·10	+ 0·00	−17 9 17·88	− 26·0	+25·4	− 0·9	4	30·34	
1192	Gr. 2500.....	7·22 F 2	18 0 18·076	+177·18	+ 0·12	− 0·44	+44 13 57·91	+ 2·6	+12·9	− 6·0	7 8	25·09	25·27
1193	γ Sgtr.....	3·07 K 0	18 0 59·297	+385·76	+ 0·07	− 0·40	−30 25 35·02	+ 8·6	+28·1	−19·3	3 4	28·31	28·13
1194	BD + 39°, 3310...	7·46 A 0	18 1 38·748	+197·22	+ 0·11	− 0·10	+39 28 33·09	+ 14·4	+14·4	− 3·0	5 10	27·33	27·16
1195	Pi 17h, 356.....	6·22 B 1	18 2 41·355	+359·79	+ 0·07	− 0·08	−21 27 9·89	+ 23·5	+26·2	− 0·1	6 7	29·06	28·85
1196	Pi 17h, 359.....	4·66 K 0	18 3 19·918	+379·73	+ 0·05	+ 0·20	−28 27 59·69	+ 29·1	+27·7	− 3·4	4	29·02	
1197	72 Ophi.....	3·73 A 3	18 3 47·538	+284·80	+ 0·09	− 0·42	+ 9 33 7·97	+ 33·2	+20·7	+ 7·8	46 134	27·60	28·47
1198	BD + 15°, 3365...	6·78 K 0	18 3 59·186	+269·20	+ 0·10	− 0·08	+15 54 32·84	+ 34·9	+19·6	−14·9	6 7	27·30	27·06
1199	BD − 2°, 4558....	6·85 G 5	18 4 43·438	+314·09	+ 0·08	+ 0·07	− 2 55 10·43	+ 41·3	+22·9	+ 0·2	4	28·06	
1200	Br. 2279.....	6·00 A 3	18 4 47·985	+241·87	+ 0·10	− 0·05	+26 5 6·28	+ 42·0	+17·6	+ 3·0	5	27·78	
1201	Gr. 2518.....	6·31 A 0	18 5 13·858	+149·76	+ 0·11	− 0·05	+49 41 55·74	+ 45·7	+10·9	+ 1·5	4	29·34	
1202	BD − 13°, 4863...	6·50 K 0	18 5 27·825	+340·46	+ 0·06	+ 0·02	−13 56 53·11	+ 47·8	+24·8	− 0·5	5 6	31·02	30·59
1203	Br. 2321.....	5·80 F 5	18 5 45·735	−450·03	− 0·60	+ 1·72	+79 59 46·79	+ 50·4	−32·8	+11·8	8 10	31·25	31·22
1204	BD + 6°, 3639....	7·13 K 0	18 6 3·594	+292·79	+ 0·08	− 0·30	+ 6 11 30·07	+ 53·0	+21·3	+ 2·8	5 6	26·16	26·08
1205	μ Sgtr.....	4·01 B 8	18 9 16·613	+358·75	+ 0·03	+ 0·01	−21 4 47·33	+ 81·1	+26·1	− 0·3	10 12	24·87	24·96
1206	BD − 17°, 5112...	5·98 K 5	18 12 49·688	+349·10	+ 0·01	− 0·03	−17 24 3·19	+ 112·1	+25·4	− 2·2	7 8	26·26	26·05
1207	BD + 30°, 3162...	6·98 K 0	18 13 1·175	+229·09	+ 0·10	+ 0·23	+30 22 23·83	+ 113·8	+16·6	+ 1·2	12 14	24·88	24·97
1208	Br. 2292.....	6·30 A 5	18 13 16·292	+330·29	+ 0·03	+ 0·00	− 9 47 6·74	+ 116·0	+24·0	− 6·7	8 10	27·68	27·36
1209	BD + 13°, 3593...	6·18 B 5	18 14 36·806	+274·65	+ 0·08	− 0·07	+13 44 50·78	+ 127·7	+19·9	− 2·6	9 11	25·93	25·84
1210	Br. 2300.....	5·49 K 5	18 16 5·395	+246·77	+ 0·09	+ 0·06	+24 24 50·39	+ 140·6	+17·9	− 0·3	5 6	26·09	26·16
1211	δ Sgtr.....	2·84 K 0	18 16 11·530	+383·81	− 0·06	+ 0·29	−29 51 40·80	+ 141·5	+27·9	− 3·2	4 5	28·13	28·23
1212	Br. 2299.....	4·92 G 5	18 17 7·334	+299·50	+ 0·05	− 0·03	+ 3 20 32·55	+ 149·6	+21·7	+ 0·9	5 8	27·53	27·79
1213	η Serp.....	3·42 K 0	18 17 25·570	+314·08	+ 0·04	− 3·72	− 2 55 12·52	+ 152·3	+22·8	−69·9	55 146	27·85	28·73
1214	109 Herc.....	3·92 K 0	18 20 30·030	+254·22	+ 0·08	+ 1·38	+21 44 4·60	+ 179·1	+18·4	−25·0	14 15	25·01	25·03
1215	Br. 2303.....	4·96 *	18 20 52·966	+357·26	− 0·04	+ 0·04	−20 34 59·26	+ 182·4	+25·9	− 2·9	10 13	26·64	26·72

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 1215. K 0 + A 0.

No.	STAR	M + Sp.	R.A. 1925	Precession 1st Term	Precession 2nd Term	P.M.	Dec. 1925	Precession 1st Term	Precession 2nd Term	P.M.	No. Obs.	Epoch 1900 +	
			h m s	s	s	s	° ′ ″	″	″	″			
1216	BD + 7°, 3682....	5·69 *	18 22 2·227	+288·61	+ 0·05	+ 0·01	+ 7 59 19·78	+ 192·4	+20·9	− 0·8	8 10	26·51	26·42
1217	BD + 29°, 3259...	5·71 A 2	18 23 5·118	+231·18	+ 0·09	+ 0·10	+29 47 5·79	+ 201·6	+16·7	− 2·5	4 5	26·52	26·71
1218	λ Sgtr.....	2·94 K 0	18 23 20·511	+370·59	− 0·09	− 0·36	−25 27 51·54	+ 203·8	+26·8	−18·8	5 4	28·37	28·57
1219	CD − 26°, 13192..	6·28 A 3	18 23 25·280	+374·44	− 0·10	− 0·01	−26 48 11·38	+ 204·5	+27·1	− 4·1	6 5	28·27	28·19
1220	γ Scut.....	4·73 A 3	18 24 55·323	+341·92	− 0·04	+ 0·00	−14 36 53·23	+ 217·5	+24·7	− 0·2	51 105	27·93	28·68
1221	BD − 10°, 4713...	5·80 B 3	18 27 16·079	+332·71	− 0·03	− 0·03	−10 50 55·16	+ 237·9	+24·0	− 1·9	5 6	27·32	27·37
1222	BD + 16°, 3529...	5·67 A 0	18 27 44·188	+267·04	+ 0·06	− 0·29	+16 52 32·04	+ 242·0	+19·3	− 3·3	7 7	25·64	26·10
1223	Gr. 2589.....	7·17 F 5	18 28 33·940	+191·81	+ 0·08	− 0·26	+41 3 7·04	+ 249·2	+13·8	+ 2·3	7	25·09	
1224	Gr. 2596.....	6·90 F 8	18 30 20·714	+200·86	+ 0·08	− 0·04	+38 46 39·08	+ 264·6	+14·5	− 8·8	10	26·38	
1225	Gr. 2601.....	6·43 B 9	18 30 28·262	+137·39	+ 0·02	− 0·16	+52 3 31·02	+ 265·7	+ 9·9	+ 0·5	4 5	27·80	27·57
1226	BD + 20°, 3847...	6·44 A 2	18 31 5·895	+258·02	+ 0·07	− 0·01	+20 24 25·87	+ 271·2	+18·6	− 0·6	5 8	28·43	28·24
1227	α Scut.....	4·06 K 0	18 31 7·490	+326·59	− 0·03	− 0·12	− 8 17 52·71	+ 271·4	+23·5	−31·4	37 113	28·02	28·88
1228	BD + 10°, 3573...	6·38 A 0	18 31 15·862	+281·95	+ 0·04	− 0·01	+10 49 55·54	+ 272·6	+20·3	− 0·9	5	26·39	
1229	Br. 2340.....	4·95 F 8	18 31 16·809	+103·52	− 0·05	− 0·11	+56 59 16·25	+ 272·7	+ 7·4	− 0·7	5	28·58	
1230	Gr. 2603.....	6·66 A 0	18 31 40·409	+169·46	+ 0·06	− 0·02	+46 9 33·88	+ 276·1	+12·2	+ 1·1	6 7	28·95	28·90
1231	BD + 67°, 1079...	6·81 K 5	18 32 30·784	− 15·55	− 0·50	− 0·28	+67 43 5·62	+ 283·4	− 1·2	− 1·0	9	29·53	
1232	BD + 0°, 3975....	7·02 F 8	18 33 20·347	+305·23	+ 0·00	+ 0·10	+ 0 53 12·49	+ 290·6	+21·9	+ 2·0	7 8	24·81	24·90
1233	Pi 18h, 128.....	6·80 F 2	18 33 30·186	+348·45	− 0·09	+ 0·00	−17 17 45·27	+ 292·0	+25·1	− 0·1	10	26·50	
1234	Br. 2412.....	6·15 A 2	18 34 5·539	−788·46	−11·02	+ 0·66	+83 7 22·53	+ 297·1	−56·9	− 2·5	10 12	30·16	29·91
1235	α Lyra.....	0·14 A 0	18 34 23·871	+201·38	+ 0·08	+ 1·72	+38 42 47·10	+ 299·7	+14·4	+28·0	10 11	24·91	24·94
1236	Pi 18h, 174.....	5·60 A 0	18 36 52·766	+ 54·35	− 0·25	− 0·14	+62 27 28·89	+ 321·2	+ 3·8	+ 4·2	12 11	27·12	26·85
1237	δ Scut.....	4·74 F 0	18 38 9·994	+328·45	− 0·06	+ 0·07	− 9 7 31·33	+ 332·3	+23·5	− 0·2	53 124	27·72	28·60
1238	BD + 31°, 3332...	6·47 A 0	18 38 51·292	+226·42	+ 0·08	+ 0·01	+31 32 39·91	+ 338·2	+16·2	+ 0·4	7 9	25·26	25·46
1239	Pi 18h, 155.....	5·76 B 8	18 40 12·939	+368·88	− 0·20	+ 0·02	−25 5 14·51	+ 349·9	+26·4	− 2·7	5 6	27·84	27·97
1240	φ Sgtr.....	3·30 B 8	18 40 58·210	+374·48	− 0·23	+ 0·39	−27 4 8·95	+ 356·4	+26·8	− 0·2	4 3	25·67	25·68
1241	Br. 2345.....	5·80 K 2	18 41 49·189	+361·64	− 0·19	+ 0·21	−22 28 19·28	+ 363·7	+25·8	− 0·2	6	26·84	
1242	β Scut.....	4·47 G 0	18 43 11·670	+318·37	− 0·05	− 0·07	− 4 49 45·56	+ 375·6	+22·7	− 2·1	54 128	27·48	28·32
1243	BD + 18°, 3817...	6·27 K 5	18 43 23·870	+263·05	+ 0·05	+ 0·16	+18 37 29·53	+ 377·3	+18·7	− 2·6	10 12	26·79	26·93
1244	BD − 13°, 5119...	6·51 K 2	18 46 16·841	+399·10	− 0·13	− 0·07	−13 39 34·65	+ 402·0	+24·1	− 0·5	8	26·33	
1245	BD + 7°, 3862....	7·06 K 5	18 46 47·842	+290·35	+ 0·00	− 0·16	+ 7 22 16·06	+ 406·5	+20·6	− 3·9	10 12	25·62	25·60
1246	BD + 26°, 3368...	6·92 A 2	18 46 53·769	+242·51	+ 0·06	− 0·01	+26 20 13·48	+ 407·3	+17·2	+ 2·9	7	24·93	
1247	7 Aqil.....	6·89 A 2	18 47 9·403	+314·94	− 0·06	− 0·34	− 3 20 55·82	+ 409·6	+22·2	− 5·5	3	26·94	
1248	β Lyra.....	* *	18 47 18·561	+221·45	+ 0·07	+ 0·01	+33 16 28·83	+ 410·8	+15·7	− 0·7	14 17	25·15	25·04
1249	Br. 2362.....	6·04 A 3	18 47 25·791	+315·07	− 0·06	− 0·03	− 3 24 24·42	+ 411·9	+22·4	− 2·7	2 3	27·54	27·19
1250	CD − 29°, 15449..	6·29 K 0	18 47 51·255	+381·15	− 0·31	− 0·04	−29 28 9·20	+ 415·5	+27·1	− 4·4	5	28·04	
1251	Br. 2371.....	5·33 B 9	18 49 4·133	+256·28	+ 0·05	− 0·08	+21 20 1·67	+ 425·9	+18·2	− 1·2	5 7	27·60	27·32
1252	σ Sgtr.....	2·14 B 3	18 50 36·912	+371·98	− 0·29	+ 0·09	−26 23 26·69	+ 439·1	+26·4	− 5·8	3 4	27·65	26·94
1253	δ^1 Lyra.....	5·51 B 3	18 51 6·269	+209·51	+ 0·06	− 0·02	+36 52 37·66	+ 443·3	+14·8	− 0·6	12 13	25·72	25·79
1254	BD − 16°, 5078...	5·58 F 5	18 51 11·777	+345·80	− 0·18	− 0·20	−16 28 8·69	+ 444·1	+24·5	−18·5	8 9	26·15	26·19
1255	θ Serp.....	4·50 A 5	18 52 29·426	+297·94	− 0·03	+ 0·29	+ 4 6 17·61	+ 455·1	+21·0	+ 3·0	27 94	27·75	28·68
1256	λ U. Min.....	6·55 M 3	18 52 55·674	−7363·47	+984·83	−10·55	+89 1 42·55	+ 459·0	−522·7	+ 0·8	60 51	29·16	28·72
1257	Br. 2375.....	5·04 K 0	18 53 2·702	+320·82	− 0·09	+ 0·41	− 5 56 41·32	+ 459·8	+22·7	− 3·7	6 7	27·40	27·57
1258	Br. 2379.....	5·65 B 8	18 53 30·196	+301·75	− 0·04	− 0·06	+ 2 26 8·34	+ 463·7	+21·3	− 1·4	6	26·54	
1259	Br. 2385.....	5·94 A 3	18 55 20·293	+275·40	+ 0·02	− 0·05	+13 48 17·49	+ 479·3	+19·4	− 5·5	7 8	25·86	26·05
1260	γ Lyra.....	3·30 A 0	18 56 8·170	+224·42	+ 0·06	− 0·05	+32 35 8·94	+ 486·1	+15·8	− 0·3	8	26·90	

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 1216. G 0 + A 3.

* 1248. $3^m.4$ to $4^m.3$.
B 8 + B 2.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
1261	ε Aqil	4·21 K 0	18 56 13·038	+272·63	+ 0·02	− 0·39	+14 57 55·04	+ 486·8	+19·2	− 7·5	45 117	28·16	28·92
1262	Gr. 2727	6·12 B 5	18 56 19·247	+196·28	+ 0·05	+ 0·02	+40 34 31·63	+ 487·6	+13·8	− 0·3	9 10	26·66	26·46
1263	ζ Sgtr	2·71 A 2	18 57 50·431	+381·95	− 0·40	− 0·15	−29 59 18·10	+ 500·5	+26·8	− 0·5	5 3	28·02	28·34
1264	BD + 19°, 3888	6·25 K 0	18 59 36·403	+261·42	+ 0·04	− 0·03	+19 33 2·83	+ 515·5	+18·3	− 0·8	15 15	24·96	25·10
1265	CD − 23°, 15008	6·9 A 0	18 59 42·685	+362·11	− 0·30	− 0·06	−23 0 28·95	+ 516·4	+25·4	+ 0·3	6 7	27·39	27·14
1266	ζ Aqil	3·02 A 0	19 1 57·741	+275·77	+ 0·01	− 0·06	+13 45 3·33	+ 535·4	+19·3	−10·1	6 7	25·88	26·14
1267	BD + 82°, 572	6·83 A 0	19 2 1·950	−640·74	−15·07	+ 0·55	+82 15 54·60	+ 535·9	−45·1	+ 2·2	10	31·93	31·70
1268	λ Aqil	3·55 B 9	19 2 16·092	+318·53	− 0·11	− 0·17	− 4 59 46·92	+ 537·9	+22·2	− 8·9	19 52	28·15	29·60
1269	Gr. 2759	6·82 B 9	19 2 21·636	+174·89	+ 0·01	+ 0·30	+45 48 25·60	+ 538·7	+12·2	+ 1·2	5	27·11	
1270	BD − 1°, 3649	6·72 B 8	19 2 42·170	+310·56	− 0·09	+ 0·08	− 1 27 43·68	+ 541·6	+21·7	− 1·6	5	29·14	
1271	Pi 18h, 318	5·46 A 5	19 3 39·068	+237·48	+ 0·06	+ 0·56	+28 30 35·71	+ 549·6	+16·5	+ 8·3	4	29·38	
1272	π Sgtr	3·02 F 2	19 5 18·264	+356·88	− 0·31	− 0·01	−21 8 38·72	+ 563·5	+24·8	− 4·0	5	27·97	
1273	Br. 2410	5·37 F 2	19 5 19·452	+293·91	− 0·04	− 0·10	+ 5 57 15·12	+ 563·6	+20·4	− 7·8	5	26·93	
1274	BD − 12°, 5311	5·62 K 0	19 9 3·971	+335·36	− 0·21	+ 0·07	−12 24 34·53	+ 595·0	+23·2	− 2·6	5	26·98	
1275	Br. 2433	5·24 K 0	19 10 15·423	+113·10	− 0·23	+ 0·44	+56 43 51·86	+ 604·9	+ 7·7	+ 4·4	6 6	26·88	26·21
1276	ψ Sgtr	4·93 F 5	19 10 56·507	+367·68	− 0·41	+ 0·32	−25 23 14·05	+ 610·6	+25·4	− 3·0	6 7	27·44	28·03
1277	Br. 2425	5·62 A 3	19 12 3·333	+258·24	+ 0·03	+ 0·24	+21 5 59·71	+ 619·9	+17·8	+ 0·9	8 9	25·80	25·88
1278	δ Drac	3·24 K 0	19 12 32·495	+ 0·24	− 1·16	+ 1·66	+67 31 46·82	+ 623·9	− 0·1	+ 9·0	9 8	29·19	29·30
1279	43 Sgtr	5·03 K 0	19 13 14·817	+351·18	− 0·32	− 0·09	−19 5 15·59	+ 629·8	+24·2	− 1·8	4	26·52	
1280	ω Aquil	5·14 A 5	19 14 17·712	+281·60	− 0·02	− 0·01	+11 27 32·72	+ 638·5	+19·3	+ 1·2	3 11	26·83	25·71
1281	κ Cygn	3·98 K 0	19 15 22·120	+138·04	− 0·13	+ 0·64	+53 13 47·25	+ 647·4	+ 9·4	+12·2	4 5	26·57	26·98
1282	BD + 37°, 3413	6·19 A 0	19 16 22·665	+211·06	+ 0·05	+ 0·08	+37 18 22·28	+ 655·7	+14·4	+ 1·5	9	27·12	
1283	Br. 2435	5·10 G 5	19 16 32·655	+319·56	− 0·16	+ 0·74	− 5 33 25·37	+ 657·1	+21·9	+ 4·7	6 7	26·70	26·68
1284	π Drac	4·63 A 2	19 20 17·128	+ 30·97	− 0·96	+ 0·21	+65 34 12·55	+ 687·9	+ 2·0	+ 4·1	8 9	27·34	27·48
1285	BD − 14°, 5428	5·81 K 0	19 21 7·360	+338·64	− 0·28	+ 0·49	−14 2 48·34	+ 694·8	+23·0	+ 5·2	7	25·98	
1286	Br. 2456	4·86 B 3	19 21 10·020	+236·44	+ 0·05	+ 0·09	+29 28 25·57	+ 695·2	+16·0	+ 1·0	7 8	25·29	25·44
1287	δ Aqil	3·44 F 0	19 21 43·030	+300·80	− 0·09	+ 1·70	+ 2 57 51·36	+ 699·7	+20·4	+ 7·8	43 94	27·70	28·59
1288	Br. 2448	5·56 K 0	19 21 50·835	+357·68	− 0·41	+ 0·23	−21 55 34·75	+ 700·7	+24·3	− 0·2	5	27·61	28·61
1289	Br. 2462	6·04 K 5	19 23 11·755	+262·45	+ 0·02	− 0·05	+19 44 29·13	+ 711·8	+17·7	− 5·1	6 4	27·11	
1290	Gr. 2844	6·72 G 5	19 23 39·234	+183·40	+ 0·01	− 0·40	+44 46 53·08	+ 715·5	+12·3	− 7·7	3 6	28·68	27·50
1291	BD + 76°, 734	* N 3	19 24 15·098	−208·63	− 5·25	− 0·29	+76 24 42·59	+ 720·4	−14·3	+ 0·2	11 12	28·99	28·78
1292	BD + 83°, 552	6·34 A 2	19 24 49·851	−756·39	−27·21	+ 0·45	+83 19 11·26	+ 725·1	−51·5	+ 1·0	9	30·66	
1293	Pi 19h, 126	5·53 K 0	19 25 13·896	+371·10	− 0·53	+ 0·23	−27 8 25·59	+ 728·4	+25·0	− 4·5	6 7	26·08	26·60
1294	BD − 0°, 3760	6·52 K 2	19 25 27·632	+307·08	− 0·13	+ 0·02	+ 0 5 27·52	+ 730·3	+20·7	− 0·9	8 9	25·19	25·13
1295	BD + 62°, 1716	6·46 K 5	19 25 34·502	+ 69·25	− 0·65	+ 0·23	+62 24 11·87	+ 731·2	+ 4·5	+ 5·0	8	28·35	
1296	BD + 33°, 3480	6·64 K 0	19 27 28·459	+224·98	+ 0·06	+ 0·02	+33 34 16·02	+ 746·6	+15·1	− 2·0	6 8	25·26	25·35
1297	β^1 Cygn	3·24 *	19 27 41·717	+241·92	+ 0·05	− 0·02	+27 48 4·48	+ 748·4	+16·2	− 0·8	7 11	24·87	24·92
1298	ι Cygn	3·94 A 2	19 27 48·850	+151·08	− 0·11	+ 0·21	+51 34 10·13	+ 749·4	+10·1	+12·7	10 11	27·71	27·43
1299	BD + 5°, 4177	7·16 F 8	19 28 1·411	+295·11	− 0·08	+ 0·68	+ 5 36 33·15	+ 751·1	+19·8	− 0·8	10	25·72	25·92
1300	BD + 70°, 1073	6·25 K 2	19 31 36·616	− 46·72	− 2·24	− 0·20	+70 49 36·16	+ 780·1	− 3·3	+ 5·7	12 14	28·57	27·86
1301	52 Sgtr	4·66 B 9	19 32 8·667	+364·76	− 0·53	+ 0·50	−25 3 0·96	+ 784·4	+24·3	− 2·3	5	26·05	
1302	Gr. 2880	6·70 A 5	19 32 31·760	+170·80	− 0·04	− 0·21	+48 0 1·40	+ 787·5	+11·3	− 7·5	5	25·99	
1303	Pi 19h, 180	5·87 K 0	19 32 42·315	+348·14	− 0·40	+ 0·10	−18 23 55·19	+ 788·9	+23·2	− 1·3	6 7	26·91	27·16
1304	κ Aqil	5·04 B 0	19 32 51·385	+322·79	− 0·23	+ 0·00	− 7 11 43·14	+ 790·1	+21·5	− 0·7	42 96	27·60	28·09
1305	BD + 21°, 3849	6·80 A 3	19 33 52·751	+258·16	+ 0·03	+ 0·16	+21 50 13·19	+ 798·3	+17·1	− 0·9	5 7	25·19	25·34

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 1291. $5^m.8$ to $7^m.2$.
* 1297. K 0 + A 0.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.		Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term					
			h m s	s	s	s	° ′ ″	″	″	″				
1306	θ Cygn	4·64 F 5	19 34 25·761	+161·11	− 0·08	− 0·28	+50 2 48·99	+ 802·7	+10·6	+25·0	5	4	26·21	25·36
1307	BD + 3°, 4097	6·37 B 3	19 35 3·679	+300·42	− 0·11	− 0·06	+ 3 12 36·76	+ 807·8	+19·9	+ 0·4	7	8	25·86	25·95
1308	Gr. 2907	5·86 F 5	19 36 59·972	+134·58	− 0·22	+ 0·44	+54 47 50·92	+ 823·3	+ 8·8	+16·6	9	12	25·02	25·09
1309	Br. 2500	6·26 B 9	19 38 41·670	+281·43	− 0·04	− 0·05	+12 0 58·13	+ 836·8	+18·5	− 0·6	18	20	25·17	25·16
1310	δ Cygn	2·97 A 0	19 42 37·774	+187·05	+ 0·01	+ 0·42	+44 56 49·31	+ 867·9	+12·1	+ 4·0	7	8	25·48	25·37
1311	γ Aqil	2·80 K 2	19 42 41·606	+285·11	− 0·05	+ 0·09	+10 25 46·63	+ 868·4	+18·5	− 0·1	24	56	26·57	27·93
1312	δ Sgte	3·78 *	19 44 2·543	+267·45	+ 0·01	+ 0·03	+18 20 53·53	+ 879·0	+17·3	+ 0·9	21	47	28·39	28·35
1313	CD − 29°, 16546	6·10 F 0	19 44 30·913	+373·71	− 0·70	+ 0·89	−28 58 28·10	+ 882·8	+24·3	−10·9	6	8	26·93	27·37
1314	BD + 25°, 3972	6·04 K 0	19 44 39·916	+250·85	+ 0·04	+ 0·56	+25 11 52·01	+ 883·9	+16·2	− 2·7	8	11	26·58	26·49
1315	BD + 7°, 4252	6·39 B 3	19 46 39·111	+291·11	− 0·08	+ 0·00	+ 7 42 43·84	+ 899·5	+18·8	+ 0·0	9	10	25·17	25·11
1316	α Aqil	0·89 A 5	19 47 7·503	+289·09	− 0·07	+ 3·62	+ 8 40 10·66	+ 903·2	+18·6	+38·2	35	74	27·26	27·94
1317	BD − 3°, 4742	5·64 *	19 49 23·064	+314·14	− 0·21	+ 0·06	− 3 18 34·91	+ 920·8	+20·1	+ 1·6	8	9	25·23	25·28
1318	CD − 24°, 15668	6·28 K 0	19 49 48·342	+360·40	− 0·60	− 1·00	−24 7 42·61	+ 924·1	+23·1	−41·5	7		26·00	
1319	Br. 2531	5·78 B 3	19 50 34·055	+324·81	− 0·29	+ 0·02	− 8 25 25·37	+ 930·0	+20·8	− 2·4	7		27·72	
1320	BD + 34°, 3778	6·82 A 0	19 50 57·365	+226·34	+ 0·07	+ 0·02	+34 23 14·10	+ 933·0	+14·4	− 0·7	7	8	25·62	25·76
1321	Gr. 2964	6·82 B 3	19 51 5·428	+203·92	+ 0·05	− 0·03	+41 9 33·99	+ 934·0	+13·0	− 1·5	5	6	27·58	27·40
1322	β Aqil	3·90 K 0	19 51 37·723	+294·41	− 0·10	+ 0·25	+ 6 13 4·98	+ 938·2	+18·8	−48·3	49	106	27·62	28·00
1323	Pi 19h, 371	5·13 K 2	19 54 29·538	+114·77	− 0·44	− 0·15	+58 38 43·15	+ 960·2	+ 7·1	− 2·1	8		25·70	25·80
1324	γ Sgte	3·71 K 5	19 55 25·251	+266·32	+ 0·01	+ 0·43	+19 17 15·12	+ 967·4	+16·8	+ 2·4	57	130	27·76	27·90
1325	BD + 0°, 4375	6·35 G 5	19 55 33·908	+304·89	− 0·17	+ 0·12	+ 1 10 17·54	+ 968·5	+19·2	+ 5·3	6	5	26·40	26·57
1326	BD + 10°, 4126	6·55 K 0	19 55 38·680	+284·33	− 0·06	+ 0·07	+11 6 2·52	+ 969·1	+17·9	+ 0·6	2	5	27·06	26·80
1327	Br. 2553	5·70 F 0	19 55 57·347	+257·91	+ 0·04	− 0·55	+22 53 46·67	+ 971·5	+16·2	+ 0·5	5	6	26·63	26·79
1328	62 Sgtr	4·60 M 3	19 58 2·911	+368·90	− 0·74	+ 0·26	−27 55 9·63	+ 987·4	+23·2	+ 1·6	11		25·26	25·18
1329	BD + 29°, 3872	5·68 K 0	20 0 32·286	+241·37	+ 0·07	+ 5·18	+29 41 44·60	+1006·3	+15·0	−53·2	13	14	25·04	25·17
1330	Pi 19h, 377	7·11 G 5	20 0 33·340	+352·86	− 0·58	+ 0·33	−21 31 34·41	+1006·4	+22·0	− 3·2	6		25·08	
1331	CD − 27°, 14515	7·08 A 0	20 0 37·580	+366·22	− 0·73	+ 0·04	−27 1 34·37	+1007·0	+22·9	− 0·1	6	7	30·67	29·24
1332	η Sgte	5·26 K 0	20 1 49·841	+265·87	+ 0·02	+ 0·17	+19 46 30·33	+1016·1	+16·5	+ 7·9	9	10	25·09	25·03
1333	BD + 47°, 3004	5·98 A 0	20 2 14·107	+179·41	− 0·02	+ 0·06	+48 0 56·48	+1019·1	+11·0	+ 0·1	6	7	27·60	27·17
1334	BD − 4°, 5013	6·56 K 0	20 2 15·080	+315·92	− 0·25	+ 0·27	− 4 17 34·43	+1019·2	+19·6	− 4·4	7		25·62	
1335	Br. 2573	5·52 K 0	20 3 34·481	+224·68	+ 0·08	− 1·92	+35 45 54·84	+1029·2	+13·8	−43·8	10	11	24·83	25·00
1336	BD + 8°, 4344	6·5 F 5	20 4 13·484	+288·78	− 0·08	+ 0·28	+ 9 10 51·39	+1034·1	+17·8	+ 2·2	9	10	25·30	25·34
1337	Br. 2586	5·57 K 0	20 4 21·373	+ 94·06	− 0·71	+ 1·69	+61 46 38·85	+1035·0	+ 5·7	+ 7·2	10	11	28·79	28·68
1338	θ Aqil	3·37 A 0	20 7 26·122	+309·35	− 0·21	+ 0·23	− 1 2 41·73	+1058·0	+18·9	+ 0·5	49	103	27·73	27·80
1339	Br. 2577	5·88 F 5	20 8 15·196	+333·09	− 0·42	+ 1·31	−12 50 17·76	+1064·1	+20·3	−19·4	9		25·16	
1340	Gr. 3087	6·35 K 2	20 10 26·455	+167·09	− 0·08	− 0·16	+51 14 14·58	+1080·3	+10·0	− 1·5	6	7	25·46	25·61
1341	Gr. 3212	6·61 A 2	20 10 29·710	−851·58	−54·18	− 0·81	+84 27 10·00	+1080·7	−52·5	− 4·3	14	20	30·85	30·70
1342	Gr. 3112	6·79 B 3	20 10 36·774	+ 28·15	− 1·77	− 0·23	+68 2 48·30	+1081·5	+ 1·5	− 0·3	6	7	30·62	29·91
1343	BD + 4°, 4395	6·57 G 5	20 12 22·123	+298·76	− 0·14	− 0·33	+ 4 21 3·69	+1094·4	+18·0	− 5·5	14	15	25·14	25·24
1344	α^1 Capr	4·55 G 0	20 13 29·495	+332·51	− 0·43	+ 0·11	−12 44 27·42	+1102·6	+20·0	+ 0·4	4		28·36	
1345	α^2 Capr	3·77 G 5	20 13 53·665	+332·56	− 0·43	+ 0·41	−12 46 41·42	+1105·6	+20·0	+ 0·5	22	39	27·54	27·62
1346	σ Capr	5·46 K 0	20 15 4·037	+346·30	− 0·58	+ 0·03	−19 21 12·85	+1114·1	+20·7	− 0·7	5	6	25·20	25·45
1347	Br. 2616	5·18 F 5	20 15 46·095	+230·38	+ 0·10	+ 0·01	+34 44 51·21	+1119·2	+13·7	− 0·9	10	12	25·40	25·52
1348	BD − 6°, 5451	6·66 K 5	20 16 26·577	+320·08	− 0·32	− 0·55	− 6 35 48·83	+1124·1	+19·1	− 8·3	6	5	27·14	27·03
1349	β Capr	3·25 *	20 16 47·940	+336·94	− 0·48	+ 0·27	−15 1 8·93	+1126·7	+20·1	+ 0·3	24	52	27·44	27·93
1350	BD + 14°, 4263	6·34 G 5	20 16 51·198	+279·05	− 0·03	− 0·08	+14 19 54·24	+1127·1	+16·6	+ 0·7	6	5	26·84	27·04

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 1312. M 0 + A 0.
* 1317. F 0 + A.
* 1349. G 0 + A 0.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.		Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term					
			h m s	s	s	s	° ′ ″	″	″	″				
1351	BD + 25°, 4215...	7·10 K 2	20 19 22·168	+253·65	+ 0·07	− 0·01	+26 3 26·75	+1145·2	+14·9	− 1·1	6		25·92	
1352	γ Cygn.....	2·32 F 8	20 19 32·084	+215·25	+ 0·10	+ 0·01	+40 0 57·60	+1146·4	+12·6	+ 0·0	8	9	27·58	27·21
1353	Gr. 3157.....	6·33 K 0	20 20 20·350	+206·23	+ 0·08	+ 0·44	+42 44 26·44	+1152·1	+12·1	+ 3·5	6	8	28·30	27·50
1354	CD − 29°, 17049..	5·97 K 0	20 20 51·450	+367·57	− 0·89	+ 0·09	−28 54 25·81	+1155·9	+21·6	+ 0·6	4	5	28·14	28·07
1355	BD + 16°, 4259...	6·17 K 0	20 22 57·553	+273·98	+ 0·00	+ 0·06	+17 4 9·57	+1170·8	+16·0	− 1·6	5	6	25·99	25·94
1356	π Capr.....	5·20 B 8	20 23 1·787	+343·48	− 0·58	+ 0·08	−18 27 30·47	+1171·3	+20·1	− 1·0	5		27·05	
1357	CD − 26°, 15036..	6·56 F 8	20 23 31·715	+359·75	− 0·80	+ 0·14	−25 51 17·47	+1174·9	+21·0	+ 3·2	4	5	29·44	29·47
1358	BD + 7°, 4477....	6·26 K 0	20 24 28·484	+291·75	− 0·10	+ 0·24	+ 8 11 17·63	+1181·6	+16·9	+ 1·5	5	7	25·03	25·22
1359	Gr. 3191.....	6·21 A 0	20 24 34·789	+144·92	− 0·26	+ 0·13	+56 23 27·46	+1182·3	+ 8·3	+ 0·9	5		27·43	
1360	Pi 20h, 146.....	6·22 K 5	20 25 7·447	+352·21	− 0·70	+ 0·08	−22 38 27·43	+1186·1	+20·4	− 2·6	6	5	28·85	28·87
1361	Pi 20h, 174.....	5·81 G 5	20 28 17·561	+326·29	− 0·40	+ 2·05	−10 6 36·35	+1208·4	+18·7	+10·2	6		25·62	
1362	BD + 48°, 3148...	6·54 A 2	20 28 33·871	+184·91	+ 0·02	− 0·01	+48 57 34·74	+1210·3	+10·5	− 0·6	3		27·66	
1363	Br. 2647.....	5·57 M 0	20 28 59·813	+185·06	+ 0·02	+ 0·07	+48 57 59·49	+1213·3	+10·5	− 3·0	2		27·67	
1364	ε Dlph.....	3·98 B 5	20 29 37·744	+286·56	− 0·06	+ 0·05	+11 2 51·06	+1217·7	+16·3	− 2·2	20	32	26·40	26·47
1365	BD + 4°, 4486....	6·68 K 0	20 30 15·900	+298·68	− 0·15	+ 0·03	+ 4 38 30·19	+1222·1	+17·0	− 0·6	8		25·73	
1366	β Dlph.....	3·72 F 5	20 34 1·894	+280·56	− 0·02	+ 0·73	+14 20 0·18	+1248·0	+15·7	− 3·4	30	42	26·60	26·26
1367	BD + 12°, 4418...	7·9 K 0	20 34 43·948	+283·07	− 0·04	+ 0·80	+13 3 56·80	+1253·2	+15·9	+ 9·2	1		24·65	
1368	BD − 5°, 5335....	6·62 K 0	20 35 8·426	+316·75	− 0·32	− 0·02	− 5 11 38·39	+1255·6	+17·7	+ 2·1	7		26·92	
1369	θ Dlph.....	6·06 K 5	20 35 11·559	+283·14	− 0·04	− 0·04	+13 3 3·50	+1256·0	+15·8	− 0·4	8	10	28·01	27·65
1370	Br. 2668.....	5·04 B 5	20 35 15·782	+261·24	+ 0·08	+ 0·04	+23 51 7·45	+1256·4	+14·6	− 0·2	6		26·32	
1371	α Dlph.....	3·86 B 8	20 36 9·210	+278·21	− 0·00	+ 0·43	+15 38 47·90	+1262·5	+15·5	− 0·3	24	33	27·30	26·84
1372	BD + 83°, 588....	6·16 A 2	20 36 42·280	−583·61	−38·96	+ 1·39	+83 22 2·73	+1266·2	−33·2	− 1·6	5	7	28·59	28·70
1373	Br. 2675.....	5·9 *	20 38 0·294	+242·75	+ 0·13	+ 0·02	+32 2 22·91	+1275·0	+13·4	− 1·5	6	7	26·52	26·40
1374	α Cygn.....	1·33 A 2	20 38 52·362	+204·45	+ 0·11	− 0·02	+45 0 42·61	+1280·9	+11·2	+ 0·2	6	7	26·02	25·47
1375	BD + 78°, 716....	6·78 B 3	20 39 0·066	−229·53	−12·55	− 0·34	+79 9 55·37	+1281·8	−13·1	+ 0·8	9	12	28·36	28·39
1376	BD + 19°, 4501...	7·07 A 5	20 41 24·375	+269·78	+ 0·05	− 0·06	+20 13 4·77	+1297·9	+14·7	− 3·9	7	10	24·96	25·28
1377	ψ Capr.....	4·26 F 8	20 41 39·440	+355·90	− 0·85	− 0·41	−25 32 28·22	+1299·5	+19·5	−15·6	4	3	25·42	25·63
1378	ε Cygn.....	2·64 K 0	20 43 10·516	+239·84	+ 0·15	+ 2·85	+33 41 19·02	+1309·6	+13·0	+32·4	6	7	27·60	27·21
1379	ε Aqar.....	3·83 A 0	20 43 37·032	+324·67	− 0·42	+ 0·19	− 9 46 16·27	+1312·5	+17·6	− 3·3	38	65	28·16	28·90
1380	Br. 2688.....	5·59 A 0	20 44 5·392	+297·16	− 0·13	+ 0·03	+ 5 43 55·06	+1315·6	+16·1	− 0·4	5	7	25·41	25·64
1381	Gr. 3285.....	6·43 K 0	20 44 10·627	+174·88	− 0·02	− 0·91	+52 43 18·11	+1316·2	+ 9·3	−10·8	6		27·16	27·63
1382	BD + 27°, 3868...	6·95 A 5	20 44 40·704	+255·32	+ 0·12	+ 0·09	+27 19 7·22	+1319·5	+13·7	− 1·6	6		28·18	
1383	Pi 20h, 305.....	5·78 B 8	20 44 50·599	+356·44	− 0·87	+ 0·10	−26 3 31·80	+1320·6	+19·3	− 2·3	5		27·68	
1384	BD − 1°, 4057....	6·53 M 3	20 45 25·862	+308·75	− 0·24	− 0·25	− 0 50 28·08	+1324·5	+16·6	− 0·9	4	6	28·67	28·68
1385	Pi 20h, 325.....	5·99 K 0	20 46 33·865	+330·01	− 0·49	+ 0·83	−12 49 25·33	+1331·9	+17·7	− 7·0	4		29·39	
1386	BD − 21°, 5844...	7·07 F 5	20 46 34·285	+346·80	− 0·73	+ 0·07	−21 35 27·96	+1331·9	+18·6	− 8·6	4		30·23	
1387	Br. 2702.....	5·07 A 5	20 47 24·975	+211·91	+ 0·15	+ 1·13	+43 46 34·35	+1337·5	+11·2	+13·4	4		29·90	
1388	BD + 63°, 1663...	6·38 B 0	20 47 58·452	+105·78	− 0·82	− 0·17	+63 45 43·39	+1341·1	+ 5·4	− 0·6	6		30·72	
1389	76 Drac.....	5·69 A 0	20 48 6·941	−422·55	−27·64	+ 1·49	+82 15 17·73	+1342·0	−23·2	+ 2·5	237	224	29·10	28·18
1390	BD + 36°, 4314...	7·24 A 0	20 51 46·112	+234·13	+ 0·18	+ 0·10	+36 47 14·36	+1365·6	+12·2	− 1·0	5		26·42	
1391	Br. 2708.....	5·39 K 0	20 52 3·562	+283·94	− 0·02	+ 0·07	+13 26 4·07	+1367·4	+14·8	− 1·2	7	9	28·66	28·23
1392	Pi 20h, 386.....	5·95 A 3	20 53 28·824	+335·73	− 0·59	+ 0·33	−16 19 15·82	+1376·5	+17·5	+ 0·0	7	8	26·96	26·65
1393	BD + 3°, 4466....	6·88 K 2	20 54 3·375	+300·66	− 0·16	− 0·02	+ 3 54 20·18	+1380·1	+15·6	− 0·1	11		25·48	25·50
1394	υ Cygn.....	4·04 A 0	20 54 22·495	+223·51	+ 0·19	+ 0·07	+40 52 40·19	+1382·2	+11·5	− 1·6	6	7	26·16	26·10
1395	Br. 2719.....	5·57 K 5	20 54 55·075	+268·20	+ 0·09	− 0·06	+22 2 6·83	+1385·6	+13·8	+ 0·4	5	9	25·04	25·36

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

* 1373. K 0 + A.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
1396	Br. 2735	5·24 B 3	20 58 33·678	+209·30	+ 0·18	+ 0·03	+45 51 38·30	+1408·5	+10·6	+ 0·7	17	25·19	
1397	Gr. 3375	6·70 B 8	20 59 52·740	+162·94	− 0·10	− 0·11	+56 46 31·39	+1416·6	+ 8·1	+ 0·7	7	25·13	
1398	BD + 67°, 1283	7·20 B 5	21 0 40·834	+ 75·66	− 1·50	+ 0·10	+67 51 59·60	+1421·6	+ 3·6	+ 0·8	10 11	28·77	28·38
1399	BD − 0°, 4161	7·10 K 2	21 2 42·448	+307·94	− 0·24	+ 0·01	− 0 24 22·53	+1434·0	+15·4	− 0·3	8 11	26·78	26·50
1400	BD + 26°, 4073	6·23 K 2	21 3 7·640	+260·56	+ 0·15	+ 0·25	+26 37 24·67	+1436·6	+12·9	− 1·7	7 6	25·92	25·95
1401	BD + 30°, 4318	* F 5	21 3 21·330	+251·60	+ 0·19	− 0·04	+30 52 59·34	+1438·0	+12·5	− 0·3	7 8	26·40	26·55
1402	BD + 15°, 4340	6·52 K 0	21 4 1·942	+281·79	+ 0·02	+ 0·28	+15 21 25·67	+1442·1	+14·0	− 5·8	9	27·14	
1403	χ Capr.	5·27 A 0	21 4 16·007	+343·79	− 0·76	+ 0·12	−21 29 44·67	+1443·5	+17·1	− 5·7	5 7	28·71	28·44
1404	CD − 28°, 17136	6·95 G 5	21 4 30·079	+358·15	− 1·03	+ 0·30	−28 46 42·02	+1444·9	+17·8	−13·5	6	30·57	
1405	BD + 6°, 4754	6·38 K 5	21 4 45·848	+296·44	− 0·11	− 0·11	+ 6 41 8·11	+1446·5	+14·6	+ 0·0	5	27·64	27·07
1406	ν Aqar.	4·52 K 0	21 5 30·607	+326·33	− 0·49	+ 0·62	−11 40 33·87	+1451·0	+16·1	− 1·2	27 41	28·47	28·80
1407	ζ Cygn.	3·40 K 0	21 9 44·558	+255·26	+ 0·20	− 0·02	+29 55 7·44	+1476·3	+12·3	− 5·6	7 9	25·49	25·56
1408	BD − 6°, 5720	7·18 K 2	21 11 6·681	+316·50	− 0·35	− 0·11	− 5 51 45·74	+1484·4	+15·2	− 2·6	7	25·68	
1409	α Equl.	4·14 *	21 12 4·485	+299·56	− 0·14	+ 0·36	+ 4 56 12·87	+1490·1	+14·3	− 8·7	24 30	27·84	28·42
1410	BD + 24°, 4357	7·06 G 5	21 12 38·215	+265·48	+ 0·16	− 0·49	+25 7 17·11	+1493·3	+12·6	− 3·5	5 4	27·23	27·14
1411	Br. 2765	5·39 B 8	21 13 45·029	+336·60	− 0·68	+ 0·10	−18 18 0·86	+1499·8	+16·0	+ 0·0	5	27·62	
1412	Gr. 3548	7·36 A 3	21 14 36·640	−1237·44	−177·48	+ 1·99	+86 43 44·79	+1504·8	−59·9	+ 1·6	110 101	29·03	27·66
1413	BD + 10°, 4516	6·32 K 5	21 15 14·078	+290·35	− 0·03	+ 0·21	+10 53 11·93	+1508·4	+13·6	+ 1·5	4 7	25·12	25·33
1414	Br. 2775	5·06 O 5	21 15 39·199	+223·56	+ 0·28	− 0·01	+43 37 46·90	+1510·8	+10·4	− 0·9	6	27·29	
1415	BD + 37°, 4271	5·83 F 2	21 16 22·560	+239·11	+ 0·28	+ 0·06	+37 55 12·96	+1515·0	+11·1	− 0·6	3	26·72	
1416	α Ceph.	2·60 A 5	21 16 47·443	+141·19	− 0·37	+ 2·12	+62 16 3·63	+1517·3	+ 6·4	+ 5·0	8 9	29·92	30·16
1417	Gr. 3434	6·81 K 2	21 17 15·909	+192·76	+ 0·18	+ 0·08	+52 44 24·65	+1520·0	+ 8·8	− 0·4	4 6	28·14	28·34
1418	BD + 3°, 4551	6·92 K 0	21 18 15·743	+301·18	− 0·15	+ 0·21	+ 4 1 32·44	+1525·7	+13·9	− 0·7	6	26·48	
1419	1 Pegs.	4·27 K 0	21 18 37·007	+276·67	+ 0·10	+ 0·74	+19 28 58·89	+1527·7	+12·7	+ 6·5	29 59	28·37	28·94
1420	Br. 2781	5·54 A 5	21 20 5·625	+327·42	− 0·53	+ 0·61	−13 12 2·28	+1536·0	+15·0	+ 1·1	4 5	25·44	25·71
1421	Br. 2784	5·69 K 0	21 21 22·297	+313·06	− 0·31	− 0·12	− 3 52 44·50	+1543·2	+14·2	− 7·1	7	25·53	
1422	BD + 18°, 4794	6·06 A 3	21 22 57·534	+278·08	+ 0·10	+ 0·54	+19 03 0·26	+1552·0	+12·5	+ 1·4	7 9	25·20	25·23
1423	BD + 7°, 4696	6·66 M 0	21 24 42·988	+295·70	− 0·07	− 0·03	+ 7 52 7·01	+1561·7	+13·2	− 2·9	4 6	27·12	26·96
1424	Pi 21h, 145	6·54 F 2	21 25 47·157	+336·73	− 0·72	+ 0·22	−19 28 32·63	+1567·5	+15·0	− 4·3	5 5	29·27	29·08
1425	BD + 34°, 4436	7·17 A 0	21 26 59·022	+249·04	+ 0·30	− 0·12	+35 8 34·17	+1574·1	+10·9	− 1·6	4	25·87	
1426	β Aqar.	3·07 G 0	21 27 36·745	+315·80	− 0·35	+ 0·11	− 5 54 6·51	+1577·5	+13·9	− 0·6	6 8	26·28	26·87
1427	β Ceph.	3·33 B 1	21 27 41·848	+ 77·98	− 1·78	+ 0·20	+70 13 53·00	+1577·9	+ 3·2	+ 1·0	9	30·83	
1428	Pi 21h, 161	6·42 A 5	21 28 14·188	+345·46	− 0·91	+ 0·49	−24 55 21·19	+1580·8	+15·1	+ 1·9	3	28·34	
1429	BD + 22°, 4431	6·37 F 8	21 31 8·255	+273·93	+ 0·17	+ 0·07	+22 25 16·56	+1596·3	+11·7	− 4·0	11 13	25·51	25·53
1430	BD + 11°, 4613	7·20 A 0	21 33 27·934	+291·23	+ 0·00	+ 0·05	+11 22 56·07	+1608·5	+12·3	+ 0·3	8 9	25·61	25·63
1431	BD + 49°, 3562	7·00 B 9	21 33 30·514	+211·72	+ 0·35	+ 0·24	+50 9 54·66	+1608·7	+ 8·9	+ 2·4	6	26·70	
1432	ξ Aqar.	4·78 A 5	21 33 45·636	+318·74	− 0·41	+ 0·74	− 8 11 28·35	+1610·1	+13·5	− 2·2	41 68	28·28	28·34
1433	Br. 2830	4·87 B 2	21 35 54·378	+161·06	− 0·08	− 0·05	+61 44 36·07	+1621·2	+ 6·6	− 0·1	13 12	27·64	27·42
1434	γ Capr.	3·80 F 0	21 35 56·310	+331·31	− 0·65	+ 1·29	−17 0 6·73	+1621·3	+13·9	− 2·1	7 6	28·01	27·89
1435	Gr. 3550	6·95 K 0	21 38 19·600	+176·27	+ 0·12	+ 0·82	+59 24 39·23	+1633·5	+ 7·1	+ 2·7	10	26·76	
1436	Br. 2822	5·80 K 5	21 38 20·644	+306·01	− 0·19	− 0·03	+ 0 56 35·12	+1633·6	+12·6	− 0·4	9 11	26·90	27·15
1437	BD + 45°, 3637	6·47 M 3	21 39 16·158	+229·14	+ 0·41	+ 0·03	+45 25 24·07	+1638·3	+ 9·3	− 1·3	4 7	28·28	28·47
1438	BD + 6°, 4889	6·74 K 0	21 39 56·648	+297·61	− 0·07	− 0·20	+ 7 11 8·91	+1641·7	+12·1	− 5·7	5	26·27	
1439	ε Pegs.	2·54 K 0	21 40 30·116	+294·45	− 0·02	+ 0·17	+ 9 31 50·02	+1644·5	+11·9	+ 0·2	36 58	27·87	28·05
1440	BD + 35°, 4626	6·60 K 0	21 42 33·570	+253·46	+ 0·37	+ 0·76	+35 30 39·10	+1654·7	+10·1	+ 0·6	6 7	26·42	26·47

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch

* 1401. $5^m.7$ to $5^m.9$.
* 1409. F 8 + A 3.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +
				1st Term	2nd Term			1st Term	2nd Term			
			h m s	s	s	s	° ′ ″	″	″	″		
1441	BD − 2°, 5631....	7·16 M 3	21 42 38·796	+310·65	− 0·27	+ 0·13	− 2 33 36·31	+1655·1	+12·4	+ 2·4	5 6	25·61 25·79
1442	δ Capr.....	2·98 A 5	21 42 54·248	+329·53	− 0·63	+ 1·81	−16 28 6·34	+1656·4	+13·2	−29·3	36 48	28·08 28·16
1443	Br. 2853.....	6·24 F 0	21 43 30·634	+284·58	+ 0·12	+ 0·62	+16 50 48·21	+1659·4	+11·3	− 1·4	6 7	25·68
1444	CD − 27°, 15639..	7·15 A 0	21 45 34·515	+346·20	− 1·03	+ 0·21	−27 45 12·43	+1669·5	+13·6	− 1·3	5 4	26·91 27·45
1445	BD + 40°, 4648...	6·49 A 0	21 46 36·841	+243·88	+ 0·44	− 0·07	+40 47 55·03	+1674·5	+ 9·4	− 0·5	8	25·06
1446	CD − 23°, 17135..	6·85 F 8	21 47 8·721	+339·29	− 0·87	+ 2·48	−23 37 12·60	+1677·0	+13·2	− 8·8	6 6	26·93 27·10
1447	μ Capr.....	5·18 F 0	21 49 12·576	+325·15	− 0·55	+ 2·11	−13 54 19·34	+1686·8	+12·4	+ 1·2	47 69	27·68 28·25
1448	Gr. 3600.....	7·01 K 0	21 49 51·154	+207·15	+ 0·43	+ 0·29	+54 19 46·39	+1689·9	+ 7·8	+ 2·1	5 4	26·83 26·38
1449	BD + 31°, 4577...	7·10 K 5	21 51 36·899	+262·94	+ 0·37	− 0·11	+31 59 0·51	+1698·1	+ 9·8	+ 0·4	5 6	25·26 25·49
1450	BD + 20°, 5046...	6·62 K 5	21 52 53·443	+280·43	+ 0·21	− 0·02	+20 52 58·15	+1704·0	+10·4	+ 1·7	6 7	25·16 25·24
1451	Br. 2894.....	6·80 K 5	21 53 3·992	− 61·05	− 9·42	+ 0·30	+79 11 48·24	+1704·8	− 2·7	+ 2·2	8 9	28·95 29·08
1452	Br. 2869.....	5·59 A 2	21 53 16·870	+292·72	+ 0·04	− 0·23	+11 43 10·96	+1705·8	+10·8	− 1·0	16 19	27·94 27·42
1453	BD + 3°, 4644....	7·07 F 8	21 54 42·270	+303·13	− 0·12	− 1·73	+ 3 25 17·10	+1712·3	+11·1	−13·7	5 4	25·49 25·48
1454	BD − 5°, 5674....	6·42 K 0	21 55 0·311	+313·01	− 0·31	− 0·02	− 4 43 36·64	+1713·7	+11·5	−25·7	6 7	25·53 25·69
1455	Gr. 3637.....	6·28 B 3	21 55 15·995	+153·34	− 0·17	+ 0·06	+65 47 52·79	+1714·9	+ 5·4	+ 0·4	7 9	28·72 27·89
1456	Pi 21h, 361.....	6·38 G 5	21 58 4·250	+329·65	− 0·68	+ 0·80	−18 15 50·23	+1727·4	+11·8	− 5·5	10 13	25·09 25·08
1457	BD + 9°, 4975....	6·98 K 0	22 0 49·415	+295·72	+ 0·02	− 0·40	+ 9 52 35·77	+1739·5	+10·3	− 1·0	7	25·89 26·16
1458	Br. 2887.....	5·23 A 3	22 0 55·996	+308·75	− 0·22	− 0·14	− 1 16 10·39	+1740·0	+10·8	− 4·8	7 8	26·71 26·60
1459	α Aqar.....	3·19 G 0	22 1 55·929	+308·07	− 0·20	+ 0·10	− 0 41 4·98	+1744·3	+10·7	− 0·5	41 71	28·43 28·46
1460	Br. 2895.....	5·58 A 0	22 2 10·582	+271·45	+ 0·37	+ 0·16	+28 35 56·44	+1745·4	+ 9·4	− 1·0	4	25·36
1461	Pi 21h, 393.....	6·89 G 5	22 3 4·528	+334·45	− 0·83	+ 0·10	−22 36 25·47	+1749·2	+11·5	+ 2·1	6 5	27·72 27·70
1462	BD + 17°, 4693...	6·43 M 0	22 3 54·647	+286·67	+ 0·18	+ 0·14	+17 38 4·96	+1752·8	+ 9·8	− 3·9	7 7	27·69 27·27
1463	BD + 45°, 3813...	6·52 G 5	22 5 38·863	+242·50	+ 0·60	− 0·28	+45 22 24·10	+1760·1	+ 8·1	+ 3·1	6	26·91
1464	θ Pegs.....	3·70 A 2	22 6 25·020	+300·79	− 0·05	+ 1·82	+ 5 49 42·18	+1763·3	+10·0	+ 3·0	40 65	28·04 28·25
1465	Br. 2909.....	5·40 B 5	22 6 36·960	+320·69	− 0·48	+ 0·19	−11 56 3·09	+1764·1	+10·7	+ 1·2	6 9	26·83 26·56
1466	ζ Ceph.....	3·62 K 0	22 8 14·911	+207·74	+ 0·58	+ 0·17	+57 49 52·59	+1770·9	+ 6·7	+ 0·6	5 6	25·78 26·27
1467	CD − 26°, 16033..	6·16 A 2	22 8 44·067	+338·64	− 0·98	− 0·17	−26 41 53·64	+1772·9	+11·1	− 3·2	5 6	28·34 27·91
1468	BD − 16°, 6046...	6·60 G 5	22 10 34·650	+325·10	− 0·60	+ 0·09	−16 11 1·35	+1780·3	+10·5	−35·0	4	26·49
1469	BD + 3°, 4687....	7·06 K 0	22 10 59·565	+303·10	− 0·08	− 0·02	+ 3 54 33·12	+1782·0	+ 9·7	+ 2·1	6 7	25·52 25·38
1470	BD + 21°, 4719...	6·69 K 0	22 11 16·487	+282·43	+ 0·29	− 0·03	+22 9 2·49	+1783·1	+ 9·0	− 0·4	6 7	27·37 27·42
1471	Gr. 3725.....	5·70 A 0	22 11 35·076	+251·33	+ 0·62	+ 0·46	+42 34 52·94	+1784·3	+ 8·0	− 2·0	5	26·78
1472	θ Aqar.....	4·32 K 0	22 12 52·648	+319·51	− 0·37	+ 0·77	− 8 9 26·09	+1789·5	+10·0	− 1·8	37 60	27·84 28·20
1473	Br. 2931.....	5·80 G 5	22 13 11·642	+313·34	− 0·31	+ 0·00	− 5 45 43·67	+1790·7	+ 9·9	+ 2·5	5 6	27·51 27·72
1474	BD + 12°, 4797...	6·94 G 0	22 13 30·385	+293·98	+ 0·11	+ 5·77	+12 31 18·21	+1791·9	+ 9·2	+ 9·8	4 3	29·24 29·72
1475	Pi 22h, 65.....	6·11 F 0	22 15 38·695	+262·36	+ 0·57	+ 0·46	+37 23 31·70	+1800·2	+ 8·0	+ 4·5	6	25·68
1476	Br. 2947.....	5·99 K 5	22 15 45·665	+194·85	+ 0·55	+ 0·64	+62 25 41·74	+1800·7	+ 5·9	+ 1·8	8 8	28·32 27·69
1477	Gr. 3746.....	6·54 B 8	22 17 20·825	+219·71	+ 0·73	+ 0·04	+56 32 25·98	+1806·7	+ 6·5	+ 1·0	5	28·33
1478	BD + 30°, 4685...	7·65 K 0	22 17 36·937	+272·68	+ 0·47	− 0·11	+30 55 56·39	+1807·8	+ 8·2	− 2·6	6	28·04
1479	γ Aqar.....	3·97 A 0	22 17 46·998	+309·06	− 0·20	+ 0·84	− 1 45 56·30	+1808·4	+ 9·3	+ 1·1	6 9	28·68 27·83
1480	32H Ceph.....	5·38 A 0	22 19 30·351	−452·86	−71·49	+ 4·88	+85 43 53·19	+1814·8	−14·4	+ 5·0	110 94	30·35 29·26
1481	β Lacr.....	4·58 K 0	22 20 36·379	+235·79	+ 0·78	− 0·18	+51 51 10·12	+1818·9	+ 6·8	−18·8	5	28·94
1482	Pi 22h, 91.....	6·17 A 0	22 22 2·030	+332·02	− 0·86	+ 0·04	−24 3 49·79	+1824·1	+ 9·6	+ 0·4	4	30·29
1483	Gr. 3767.....	6·87 M 0	22 22 3·060	+239·19	+ 0·79	+ 0·54	+50 52 27·73	+1824·2	+ 6·8	+ 3·0	5	29·67
1484	BD + 17°, 4746...	6·40 K 0	22 22 3·425	+289·22	+ 0·24	+ 0·12	+18 3 44·84	+1824·2	+ 8·3	+ 3·3	4 3	29·50 29·41
1485	Br. 2962.....	5·82 M 2	22 25 23·342	+299·03	+ 0·06	+ 0·35	+ 8 44 44·55	+1836·1	+ 8·4	− 1·8	6	26·18

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P,M.).
T in centuries from 1925·0, T′ in centuries from epoch.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
1486	CD − 27°, 15932..	5·95 F 0	22 25 34·448	+335·13	− 0·99	+ 0·96	−27 29 28·40	+1836·7	+ 9·4	− 1·4	4	28·27	
1487	Pi 22h, 120.....	5·96 K 2	22 25 39·202	+280·76	+ 0·42	+ 0·16	+26 22 45·19	+1837·0	+ 7·8	− 0·5	6	27·51	26·84
1488	σ Aqar.....	4·89 A 0	22 26 40·743	+317·63	− 0·43	− 0·01	−11 3 43·93	+1840·6	+ 8·8	− 2·8	27 45	28·70	28·57
1489	BD − 3°, 5460....	6·29 K 0	22 27 25·808	+310·30	− 0·22	− 0·15	− 3 17 45·00	+1843·2	+ 8·5	− 3·1	4 6	27·67	27·86
1490	Br. 2967.....	6·39 F 0	22 27 42·842	+317·74	− 0·44	+ 0·47	−11 17 24·94	+1844·1	+ 8·7	− 4·2	6 5	28·40	28·53
1491	Gr. 3804.....	5·80 A 3	22 29 7·166	+264·90	+ 0·69	+ 0·03	+39 23 36·94	+1848·9	+ 7·1	− 0·3	6 4	25·53	25·66
1492	η Aqar.....	4·13 B 8	22 31 30·158	+307·72	− 0·15	+ 0·58	− 0 30 15·99	+1856·9	+ 8·1	− 5·2	28 55	29·06	29·06
1493	Br. 2978.....	6·81 K 5	22 31 46·630	+323·44	− 0·63	− 0·23	−17 50 51·88	+1857·8	+ 8·5	− 3·9	7 6	27·34	27·27
1494	Gr. 3829.....	6·20 B 3	22 32 46·136	+248·78	+ 0·89	+ 0·03	+49 40 55·97	+1861·0	+ 6·3	+ 0·8	5	27·63	
1495	BD + 23°, 4576...	6·93 A 3	22 33 58·743	+285·87	+ 0·40	− 0·24	+23 36 43·19	+1864·9	+ 7·2	− 0·9	7	26·04	
1496	BD − 8°, 5912....	6·35 G 0	22 34 26·118	+314·38	− 0·34	+ 0·47	− 8 17 15·59	+1866·4	+ 8·0	+ 0·0	6	27·07	
1497	Pi 22h, 186.....	5·81 G 5	22 37 9·585	+295·36	+ 0·21	+ 1·81	+14 9 17·32	+1874·9	+ 7·2	+14·5	5 5	25·97	26·34
1498	ζ Pegs.....	3·61 B 8	22 37 43·222	+298·63	+ 0·12	+ 0·52	+10 26 22·21	+1876·7	+ 7·2	− 0·8	36 68	28·02	28·23
1499	BD + 30°, 4771...	6·48 K 5	22 38 0·895	+279·64	+ 0·56	+ 0·46	+30 34 25·85	+1877·6	+ 6·7	+ 0·0	3	27·76	
1500	BD + 4°, 4896....	7·30 K 2	22 39 5·132	+303·58	− 0·01	+ 0·16	+ 4 34 32·75	+1880·8	+ 7·2	+ 0·9	6 7	28·90	28·45
1501	η Pegs.....	3·10 G 0	22 39 28·944	+280·91	+ 0·55	+ 0·08	+29 49 43·38	+1882·0	+ 6·6	− 2·5	6 6	26·59	26·77
1502	Br. 3006.....	6·45 K 0	22 41 49·123	+291·91	+ 0·33	− 0·25	+18 58 14·68	+1889·0	+ 6·7	+ 5·7	9	25·08	
1503	BD + 6°, 5060....	6·84 F 2	22 42 4·960	+301·70	+ 0·06	+ 0·33	+ 7 11 16·11	+1891·5	+ 6·9	+ 0·5	8 11	27·97	27·92
1504	λ Pegs.....	4·14 K 0	22 42 54·944	+288·40	+ 0·42	+ 0·38	+23 10 14·28	+1892·2	+ 6·5	− 1·2	12 15	25·02	25·03
1505	Br. 3007.....	5·43 G 5	22 43 31·505	+323·21	− 0·68	− 0·76	−20 0 17·55	+1893·9	+ 7·3	−20·0	6 8	27·59	27·62
1506	BD − 2°, 5826....	7·58 K 2	22 43 38·088	+308·95	− 0·16	− 0·01	− 2 11 3·74	+1894·2	+ 7·0	− 0·6	5 5	28·27	27·50
1507	Br. 3009.....	5·70 B 9	22 43 43·899	+318·53	− 0·50	+ 0·19	−14 27 7·16	+1894·5	+ 7·2	− 0·6	5	27·74	
1508	CD − 26°, 16324..	6·48 G 5	22 43 49·448	+328·84	− 0·91	+ 0·82	−26 18 18·88	+1894·8	+ 7·4	−10·8	4 3	29·29	29·44
1509	ι Ceph.....	3·68 K 0	22 47 0·249	+214·14	+ 1·16	− 1·10	+65 48 20·38	+1903·7	+ 4·5	−12·2	11	27·33	26·83
1510	34H Ceph.....	4·97 K 0	22 47 49·391	− 18·37	−12·53	+ 1·24	+82 45 21·87	+1905·9	− 0·8	+ 5·3	9	28·33	
1511	BD + 25°, 4828...	6·71 A 3	22 47 50·956	+287·11	+ 0·51	− 0·09	+25 59 34·52	+1906·0	+ 6·1	+ 0·8	8 8	26·38	25·88
1512	λ Aqar.....	3·84 M 0	22 48 42·134	+313·01	− 0·30	+ 0·03	− 7 58 44·33	+1908·3	+ 6·6	+ 4·0	41 67	28·10	27·90
1513	BD + 67°, 1475...	6·94 F 2	22 50 3·043	+209·90	+ 1·19	+ 1·38	+67 35 24·31	+1911·8	+ 4·2	+ 7·2	13 16	28·60	27·97
1514	δ Aqar.....	3·51 A 2	22 50 40·308	+318·86	− 0·54	− 0·29	−16 13 11·69	+1913·5	+ 6·5	− 2·1	6 7	25·10	25·06
1515	Br. 3026.....	5·66 K 0	22 50 47·425	+319·18	− 0·55	− 1·57	−16 40 11·13	+1913·8	+ 6·5	− 8·6	4 5	26·45	26·30
1516	BD + 36°, 4956...	6·00 F 2	22 51 33·084	+278·00	+ 0·78	+ 0·72	+36 40 36·17	+1915·7	+ 5·6	+ 0·9	7 7	26·35	25·94
1517	BD + 55°, 2850...	7·06 B 9	22 53 2·329	+250·11	+ 1·26	+ 0·09	+56 2 58·63	+1919·5	+ 4·8	+ 0·5	6	27·10	
1518	BD + 11°, 4904...	6·46 A 3	22 53 6·401	+299·49	+ 0·19	+ 0·39	+11 26 51·51	+1919·7	+ 5·9	− 0·6	4 6	25·21	25·18
1519	α Psc. A.....	1·29 A 3	22 53 30·602	+329·37	− 1·03	+ 2·52	−30 1 11·88	+1920·7	+ 6·5	−16·4	6	25·75	25·67
1520	BD + 3°, 4799....	6·43 K 2	22 53 43·650	+305·11	+ 0·00	+ 0·42	+ 3 24 29·99	+1921·2	+ 5·9	+ 4·3	6	26·94	
1521	Br. 3035.....	5·59 G 0	22 53 46·737	+293·14	+ 0·40	+ 1·42	+20 21 58·86	+1921·4	+ 5·7	+ 5·9	7	27·63	26·78
1522	36H Ceph.....	4·96 K 5	22 55 4·252	− 44·89	−17·47	+ 6·22	+83 56 42·31	+1924·6	− 1·3	+ 2·9	13 15	29·55	29·25
1523	Gr. 3940.....	6·41 K 2	22 55 55·059	+259·65	+ 1·21	− 0·37	+52 15 6·52	+1926·6	+ 4·8	+ 2·8	7	25·86	
1524	Br. 3039.....	6·40 K 0	22 56 47·107	+307·42	− 0·08	+ 0·24	− 0 13 1·84	+1928·7	+ 5·7	+ 1·9	7 9	25·02	24·94
1525	Br. 3040.....	6·40 K 2	22 57 29·785	+312·00	− 0·27	− 0·14	− 7 27 50·77	+1930·4	+ 5·7	− 0·6	7 10	26·02	25·84
1526	ο Andr.....	3·63 *	22 58 27·896	+275·45	+ 0·96	+ 0·20	+41 55 22·12	+1932·7	+ 4·9	− 0·2	8 9	24·93	25·02
1527	BD + 62°, 2157...	7·31 K 2	22 58 33·050	+238·14	+ 1·49	+ 0·06	+62 53 20·21	+1932·9	+ 4·2	− 1·2	3	27·79	
1528	BD − 21°, 6354...	6·19 G 5	22 58 44·133	+321·02	− 0·69	− 0·43	−21 16 17·98	+1933·3	+ 5·8	−11·5	5	26·41	
1529	Gr. 3968.....	7·00 K 0	22 59 38·547	+239·19	+ 1·52	+ 0·39	+62 56 13·05	+1935·4	+ 4·1	+ 0·9	7 9	29·52	29·52
1530	β Pegs.....	2·61 M 0	23 0 8·063	+289·18	+ 0·60	+ 1·42	+27 40 32·87	+1936·5	+ 5·0	+13·9	1 3	24·72	26·74

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

*1526. B 5 + A 2.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
1531	α Pegs	2·57 A 0	23 1 1·370	+298·29	+ 0·29	+ 0·40	+14 48 4·84	+1938·5	+ 5·1	− 4·1	36 57	27·66	27·71
1532	BD + 34°, 4847	6·54 K 0	23 3 30·930	+284·26	+ 0·81	+ 0·42	+35 13 50·23	+1943·9	+ 4·6	+ 0·0	7 8	25·18	25·25
1533	BD + 19°, 5060	6·74 K 0	23 3 43·771	+295·34	+ 0·43	− 0·09	+20 10 35·15	+1944·4	+ 4·8	− 3·3	4 5	26·48	26·73
1534	BD + 29°, 4862	7·25 B 9	23 4 3·137	+288·90	+ 0·67	− 0·21	+29 38 55·13	+1945·0	+ 4·7	− 0·4	5	27·55	
1535	Br. 3063	5·56 K 5	23 4 13·163	+273·95	+ 1·12	− 0·16	+45 58 54·81	+1945·4	+ 4·4	− 3·0	6 7	25·89	25·73
1536	CD − 28°, 18099	6·06 K 0	23 5 41·691	+324·31	− 0·93	+ 0·17	−28 29 43·75	+1948·5	+ 5·1	+ 0·9	5 4	26·93	27·67
1537	Br. 3068	5·41 M 3	23 5 44·227	+302·72	+ 0·15	− 0·01	+ 8 16 13·29	+1948·5	+ 4·8	+ 0·6	6 8	28·42	27·76
1538	Br. 3070	5·85 F 5	23 6 58·898	+278·57	+ 1·06	− 1·80	+43 8 28·11	+1951·1	+ 4·2	−18·8	10 13	25·44	25·36
1539	φ Aqar	4·40 M 0	23 10 26·325	+310·52	− 0·21	+ 0·22	− 6 27 13·11	+1957·8	+ 4·4	−19·2	36 68	27·34	27·46
1540	BD − 11°, 6032	6·35 K 5	23 10 45·641	+312·87	− 0·34	− 0·05	−11 5 48·09	+1958·4	+ 4·4	− 3·0	5 6	25·69	25·54
1541	BD + 24°, 4737	6·74 K 0	23 11 42·067	+294·09	+ 0·59	+ 0·00	+25 15 46·60	+1960·1	+ 4·1	+ 1·7	6 7	27·09	26·75
1542	BD − 4°, 5852	5·55 A 2	23 11 42·412	+309·19	− 0·14	− 0·12	− 3 54 19·75	+1960·1	+ 4·3	+ 0·2	4	26·64	
1543	γ Psc	3·85 K 0	23 13 16·729	+305·92	+ 0·04	+ 5·05	+ 2 52 20·44	+1963·0	+ 4·1	+ 2·2	41 73	27·64	28·10
1544	CD − 29°, 18654	6·75 K 5	23 15 2·427	+321·60	− 0·91	+ 0·03	−28 47 53·48	+1966·0	+ 4·1	+ 2·5	3 7	27·06	26·61
1545	BD − 18°, 6283	6·08 K 0	23 15 27·362	+315·91	− 0·55	− 0·09	−18 29 9·74	+1966·7	+ 4·0	+ 2·2	4	26·44	
1546	Br. 3092	5·18 K 0	23 16 31·262	+305·09	+ 0·10	+ 0·51	+ 4 58 18·50	+1968·5	+ 3·8	− 5·8	8 10	25·17	25·19
1547	Br. 3099	5·75 F 5	23 17 15·740	+288·08	+ 0·97	+ 0·98	+37 46 21·66	+1969·7	+ 3·5	− 6·6	11	26·31	25·92
1548	Br. 3110	5·93 K 5	23 19 11·259	+266·74	+ 1·84	+ 0·05	+59 43 19·26	+1972·8	+ 3·0	− 0·2	13 15	28·00	27·32
1549	Br. 3108	5·28 K 0	23 19 17·508	+302·30	+ 0·28	+ 0·15	+11 54 9·27	+1972·9	+ 3·5	− 1·4	10 12	25·35	25·33
1550	Br. 3113	4·52 K 5	23 22 6·509	+315·75	− 0·61	− 0·39	−21 3 10·90	+1977·1	+ 3·4	− 5·6	5 6	25·22	25·30
1551	κ Psc	4·94 A 2	23 23 5·230	+306·96	+ 0·01	+ 0·56	+ 0 50 41·21	+1978·5	+ 3·2	− 9·3	36 51	28·05	28·17
1552	BD − 12°, 6496	6·48 G 0	23 24 11·075	+311·65	− 0·33	+ 0·66	−11 51 43·68	+1980·0	+ 3·1	− 1·9	5	26·34	
1553	CD − 26°, 16654	6·89 A 3	23 24 27·710	+317·27	− 0·77	− 0·13	−25 49 58·84	+1980·4	+ 3·1	− 0·5	4 5	28·76	
1554	BD + 15°, 4830	6·98 A 2	23 25 15·678	+301·65	+ 0·39	− 0·05	+15 35 57·53	+1981·5	+ 2·9	− 0·1	4	29·05	
1555	Br. 3124	7·10 G 0	23 25 39·468	+307·78	− 0·04	− 0·15	− 1 26 54·70	+1982·0	+ 2·9	− 2·8	4	30·75	
1556	39H Ceph	5·62 F 0	23 27 43·733	− 38·37	−33·97	+ 9·75	+86 53 37·85	+1984·6	− 0·8	+ 1·9	211 219	29·21	28·55
1557	BD + 27°, 4566	6·68 K 0	23 27 46·571	+297·22	+ 0·75	+ 0·10	+28 15 9·51	+1984·7	+ 2·6	− 1·5	5	28·30	
1558	BD + 6°, 5168	6·84 F 5	23 28 23·775	+305·13	+ 0·18	− 0·19	+ 6 40 19·25	+1985·4	+ 2·6	− 4·7	4	29·54	
1559	Gr. 4089	7·08 A 0	23 28 47·310	+226·08	+ 3·14	+ 1·26	+77 24 19·25	+1985·9	+ 1·8	+ 1·5	9 9	30·76	30·66
1560	Gr. 4087	7·02 K 0	23 29 1·575	+283·15	+ 1·68	+ 0·04	+53 16 20·50	+1986·2	+ 2·4	+ 0·4	4	29·56	
1561	Br. 3132	5·51 M 3	23 29 42·515	+300·13	+ 0·58	+ 0·05	+22 5 5·10	+1987·0	+ 2·5	− 1·8	3 4	27·77	28·55
1562	BD + 11°, 5026	7·7 A 3	23 31 22·955	+303·67	+ 0·33	− 0·09	+12 14 53·87	+1988·9	+ 2·3	− 5·4	4	30·33	
1563	Gr. 4099	7·40 K 0	23 31 46·125	+268·45	+ 2·64	+ 0·56	+67 4 37·49	+1989·3	+ 2·0	+ 0·9	8 9	30·71	30·89
1564	Br. 3139	5·65 F 5	23 32 33·576	+306·81	+ 0·06	− 0·73	+ 1 41 9·56	+1990·1	+ 2·2	+ 6·2	5	27·39	
1565	Gr. 4105	5·86 B 9	23 33 51·657	+292·59	+ 1·32	+ 0·09	+44 0 51·25	+1991·5	+ 2·0	− 0·9	6 7	26·37	26·27
1566	Pi 23h, 137	6·66 K 0	23 34 9·161	+311·45	− 0·40	+ 0·58	−15 30 29·30	+1991·7	+ 2·1	−10·5	5	25·37	
1567	Br. 3146	5·32 B 9	23 35 29·768	+290·25	+ 1·60	− 0·21	+50 3 22·27	+1993·0	+ 1·8	− 0·4	4 6	25·46	25·23
1568	Gr. 4120	6·08 G 5	23 36 4·211	+260·00	+ 3·53	− 0·17	+73 35 13·68	+1993·6	+ 1·6	+ 1·1	11	27·23	27·30
1569	ι Psc	4·28 F 8	23 36 5·573	+306·01	+ 0·16	+ 2·48	+ 5 13 9·62	+1993·6	+ 1·9	−43·5	26 41	28·66	28·38
1570	γ Ceph	3·42 K 0	23 36 15·109	+246·38	+ 3·99	− 1·97	+77 12 49·50	+1993·7	+ 1·4	+15·4	11 14	28·60	28·29
1571	BD + 35°, 5074	6·30 F 5	23 36 55·451	+297·41	+ 1·05	+ 1·91	+36 18 16·88	+1994·3	+ 1·8	+ 2·6	7 6	27·07	26·95
1572	BD − 8°, 6166	7·08 F 8	23 36 56·505	+309·25	− 0·19	+ 0·43	− 8 19 45·12	+1994·3	+ 1·8	− 4·0	4 5	29·50	28·74
1573	Br. 3165	5·60 K 0	23 44 5·165	+307·80	− 0·03	+ 0·60	− 3 10 42·80	+1999·6	+ 1·1	+ 1·0	16 18	25·16	25·13
1574	δ Scl	4·64 A 0	23 45 1·320	+312·03	− 0·79	+ 0·77	−28 32 41·96	+2000·2	+ 1·1	−10·3	5 4	27·98	28·02
1575	CD − 28°, 18361	7·03 F 8	23 45 26·397	+311·84	− 0·77	− 0·58	−28 16 12·31	+2000·4	+ 1·0	− 3·3	5	27·37	

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).

T in centuries from 1925·0, T′ in centuries from epoch.

No.	STAR	M + Sp.	R.A. 1925	Precession		P.M.	Dec. 1925	Precession		P.M.	No. Obs.	Epoch 1900 +	
				1st Term	2nd Term			1st Term	2nd Term				
			h m s	s	s	s	° ′ ″	″	″	″			
1576	Pi 23h, 194.....	7·14 K 0	23 45 33·193	+310·69	− 0·56	− 0·05	−22 1 51·08	+2000·5	+ 1·0	+ 1·0	7 7	28·26	27·68
1577	BD + 63°, 2064...	6·76 A 0	23 47 18·448	+292·40	+ 2·77	+ 0·04	+63 34 4·72	+2001·4	+ 0·8	+ 0·8	8	28·89	
1578	Br. 3173.....	6·11 M 0	23 47 31·470	+306·14	+ 0·29	− 0·15	+ 8 53 51·64	+2001·5	+ 0·8	− 5·9	5	26·36	
1579	Br. 3174.....	5·85 K 2	23 48 7·370	+306·98	+ 0·12	+ 0·06	+ 2 30 48·30	+2001·8	+ 0·7	− 1·1	7	25·03	
1580	φ Pegs.....	5·23 M 0	23 48 40·131	+305·04	+ 0·56	− 0·06	+18 42 13·68	+2002·0	+ 0·7	− 3·5	51 72	28·68	28·21
1581	BD + 21°, 4999...	6·30 M 0	23 52 51·982	+305·58	+ 0·68	− 0·16	+22 13 50·32	+2003·5	+ 0·3	− 0·7	14 16	25·06	25·09
1582	V Ceph.....	6·42 A 0	23 52 54·202	+274·64	+ 9·35	+ 2·57	+82 46 25·29	+2003·5	+ 0·2	+ 1·3	12 13	27·74	27·79
1583	Br. 3188.....	6·40 K 2	23 54 29·723	+308·22	− 0·36	+ 0·54	−16 15 52·91	+2003·9	+ 0·1	− 0·4	7 10	29·47	28·59
1584	BD + 34°, 5039...	6·71 A 3	23 54 31·530	+305·08	+ 1·09	+ 0·16	+34 35 43·77	+2003·9	+ 0·1	+ 1·1	4 3	26·21	26·40
1585	σ Cass.....	4·93 B 2	23 55 11·744	+303·23	+ 2·18	+ 0·09	+55 20 15·50	+2004·0	+ 0·0	− 0·2	5	27·60	
1586	ω Pisc.....	4·03 F 5	23 55 27·534	+306·98	+ 0·25	+ 0·99	+ 6 26 52·73	+2004·1	+ 0·0	−11·1	22 34	28·94	29·45
1587	Pi 23h, 249.....	6·77 G 5	23 55 49·790	+307·55	− 0·08	+ 0·24	− 6 18 33·82	+2004·1	− 0·0	− 4·9	5	25·13	
1588	Br. 3201.....	5·78 F 0	23 58 39·553	+307·17	+ 0·30	− 0·68	+ 8 4 8·16	+2004·4	− 0·3	− 4·6	10 15	25·09	25·19
1589	2 Ceti.....	4·62 A 0	23 59 53·926	+307·30	− 0·39	+ 0·15	−17 45 12·23	+2004·5	− 0·4	− 0·4	7 7	26·46	26·03

Position 1925 + T = Position 1925 + T (1st Term) + T^2 (2nd Term) + T′ (P.M.).
T in centuries from 1925·0, T′ in centuries from epoch.

CORRECTIONS TO G.C. AND FK3

EXPLANATION

The following pages give the observed corrections to the G.C. and FK3 for the epoch of observation. The number of each star as it appears in the catalogue has been added for convenience of identification.

Cat. No.	STAR	G. C. No.	FK3 No.	O – G. C. Δα	O – G. C. Δδ	O – FK3 Δα	O – FK3 Δδ
				s	"	s	"
1	BD + 13°, 5201	26	.....	+0·002	−0·33	.....	.....
2	BD + 26°, 4744	48	.....	+0·050	+0·34	.....	.....
3	Gr. 4223	54	.....	−0·029	+0·40	.....	.....
4	BD + 39°, 5219	87	.....	−0·012	+0·71	.....	.....
5	9 G Ceti	98	1003	+0·016	+0·11	+0·013	+0·35
6	Br. 3213	114	.....	+0·029	−0·38	.....	.....
7	α Andr	127	1	−0·024	+0·13	−0·025	+0·11
8	β Cass	147	2	−0·001	−0·15	+0·027	−0·18
9	BD + 16°, 3	154	.....	+0·009	+0·26	.....	.....
10	BD + 56°, 11	176	.....	−0·035	+0·09	.....	.....
11	BD − 13°, 13	181	.....	+0·012	+0·73	.....	.....
12	Gr. 7	201	.....	−0·030	+0·20	.....	.....
13	γ Pegs	238	7	+0·012	+0·08	+0·012	−0·06
14	BD + 3°, 26	304	.....	−0·003	+0·71	.....	.....
15	BD + 22°, 34	331	.....	+0·027	−0·33	.....	.....
16	BD + 11°, 34	352	.....	+0·017	−0·06	.....	.....
17	Pi 0h, 38	373	1006	−0·079	+0·25	−0·080	+0·08
18	Br. 13	376	.....	−0·005	+0·09	.....	.....
19	BD − 8°, 38	378	.....	+0·036	−0·05	.....	.....
20	ι Ceti	388	9	+0·047	+0·00	+0·038	−0·11
21	BD − 18°, 41	403	1007	−0·051	+0·49	−0·075	+0·35
22	Br. 23	488	.....	−0·050	+0·41	.....	.....
23	Pi 0h, 78	545	1011	−0·014	+0·06	−0·005	−0·02
24	Br. 33	548	1012	−0·041	−0·08	−0·051	−0·13
25	BD + 9°, 47	550	.....	+0·002	+0·40	.....	.....
26	BD − 21°, 57	554	.....	−0·011	+0·47	.....	.....
27	BD + 63°, 53	582	.....	+0·038	+0·41	.....	.....
28	Br. 35	583	.....	−0·001	+0·33	.....	.....
29	BD + 38°, 68	644	.....	−0·051	+0·27	.....	.....
30	CD − 26°, 160	646	.....	−0·006	+0·15	.....	.....
31	13 Ceti	696	.....	+0·007	+0·42	.....	.....
32	Br. 54	728	.....	−0·025	+0·10	.....	.....
33	Pi 0h, 131	744	.....	+0·032	+0·20	.....	.....
34	Br. 48	760	.....	+0·017	−0·12	.....	.....
35	Gr. 113	770	.....	−0·023	+0·41	.....	.....
36	Br. 58	778	.....	+0·009	−0·42	.....	.....
37	α Cass	792	21	+0·001	+0·40	+0·016	+0·33
38	Pi 0h, 144	798	.....	+0·011	+0·37	.....	.....
39	Pi 0h, 146	804	.....	+0·020	+0·65	.....	.....
40	β Ceti	865	22	−0·001	+0·66	−0·012	+0·63
41	BD + 32°, 122	867	.....	−0·004	+0·49	.....	.....
42	BD + 58°, 101	926	.....	−0·039	+0·28	.....	.....
43	Br. 80	941	.....	+0·046	+0·11	.....	.....
44	Pi 0h, 184	945	.....	−0·029	+0·10	.....	.....
45	BD − 22°, 134	957	1018	−0·023	+0·28	−0·029	+0·37
46	δ Pisc	963	28	−0·005	+0·13	−0·006	+0·06
47	Br. 86	968	1020	−0·015	−0·31	−0·025	−0·35
48	Pi 0h, 198	984	.....	+0·037	+0·31	.....	.....
49	BD − 1°, 104	997	.....	+0·012	−0·06	.....	.....
50	Pi 0h, 196	999	.....	−0·051	+0·11	.....	.....

Cat. No.	STAR	G. C. No.	FK3 No.	O – G. C. Δα	O – G. C. Δδ	O – FK3 Δα	O – FK3 Δδ
				s	"	s	"
51	20 Ceti	1055	1022	+0·045	+0·54	+0·037	+0·58
52	BD + 36°, 148	1060	.....	−0·004	+0·01	.....	.....
53	γ Cass	1117	32	−0·064	−0·11	−0·024	−0·14
54	BD + 13°, 127	1112	.....	−0·002	−0·11	.....	.....
55	CD − 28°, 288	1110	.....	−0·020	+0·40	.....	.....
56	μ Andr	1122	33	−0·014	+0·54	−0·009	+0·57
57	BD + 0°, 149	1146	.....	+0·014	+0·46	.....	.....
58	BD + 20°, 131	1160	.....	−0·047	+0·31	.....	.....
59	BD − 6°, 176	1174	1024	+0·028	+0·23	+0·018	+0·16
60	α Sclp	1172	35	−0·005	+0·47	−0·012	+0·31
61	BD + 68°, 64	1212	.....	−0·071	−0·16	.....	.....
62	BD − 17°, 180	1236	1025	+0·003	−0·16	−0·010	−0·20
63	43 H Ceph	1288	Na	−0·046	+0·04	−0·050	+0·12
64	ε Psc	1258	36	+0·007	+0·23	+0·007	+0·28
65	BD + 51°, 220	1275	.....	+0·029	+0·47	.....	.....
66	BD + 28°, 174	1290	.....	+0·000	+0·66	.....	.....
67	106 G Ceti	1029	1029	.....	.....	−0·007	+0·44
68	Br. 131	1368	.....	−0·036	−0·04	.....	.....
69	Br. 132	1370	.....	−0·006	+0·32	.....	.....
70	Br. 135	1369	.....	+0·013	+0·88	.....	.....
71	BD + 9°, 132	1381	.....	+0·027	+0·33	.....	.....
72	η Ceti	1384	40	+0·009	+0·37	−0·002	+0·27
73	β Andr	1400	42	−0·022	+0·85	−0·021	+0·85
74	Br. 139	1434	.....	−0·093	−0·20	.....	.....
75	BD + 45°, 291	1428	.....	−0·025	−0·13	.....	.....
76	Br. 156	1463	.....	−0·019	+0·23	.....	.....
77	Br. 165	1501	.....	+0·012	+0·34	.....	.....
78	BD + 38°, 229	1541	.....	−0·033	+0·46	.....	.....
79	Gr. 282	1550	.....	+0·007	+0·12	.....	.....
80	89 Psc	1566	1034	+0·023	+0·31	+0·017	+0·31
81	BD + 57°, 257	1590	.....	−0·024	+1·41	.....	.....
82	φ Cass	1594	.....	−0·001	+0·16	.....	.....
83	BD − 16°, 223	1605	.....	−0·037	+0·56	.....	.....
84	BD + 21°, 178	1633	.....	+0·022	−0·01	.....	.....
85	BD + 10°, 168	1634	.....	+0·032	+0·09	.....	.....
86	θ Ceti	1695	47	+0·013	+0·29	+0·005	+0·27
87	δ Cass	1715	48	+0·013	+0·31	+0·030	+0·33
88	BD − 3°, 195	1704	1037	+0·010	−0·38	+0·010	−0·36
89	BD + 26°, 239	1739	.....	−0·023	+0·01	.....	.....
90	94 Psc	1740	1039	−0·002	+0·27	−0·008	+0·20
91	Br. 192	1747	1041	+0·004	+0·19	−0·007	+0·21
92	Br. 201	1810	.....	−0·004	+0·56	.....	.....
93	η Psc	1839	50	+0·000	+0·18	+0·003	+0·08
94	BD + 34°, 265	1850	.....	+0·015	+0·48	.....	.....
95	BD + 54°, 315	1873	.....	+0·065	−0·28	.....	.....
96	BD − 7°, 256	1888	.....	+0·028	+0·45	.....	.....
97	Br. 211	1929	.....	−0·007	+0·06	.....	.....
98	Br. 207	1938	.....	−0·011	+0·68	.....	.....
99	Br. 213	1941	.....	−0·004	+0·45	.....	.....
100	Br. 205	1987	.....	+0·012	+0·15	.....	.....

Cat. No.	STAR	G. C. No.	FK3 No.	O − G. C. Δα	O − G. C. Δδ	O − FK3 Δα	O − FK3 Δδ
				s	"	s	"
101	α U. Min	2243	Nb	−0·241	−0·02	−0·414	+0·06
102	BD + 20°, 264	1980	.....	−0·040	+0·00	.....	.....
103	π Andr	2025	.....	−0·039	+0·12	.....	.....
104	ν Pisc	2055	56	+0·022	+0·49	+0·027	+0·50
105	Gr. 371	2095	.....	−0·030	+0·54	.....	.....
106	BD − 4°, 260	2093	1049	+0·030	−0·55	+0·031	−0·52
107	τ Ceti	2123	59	+0·021	+0·87	+0·018	+0·88
108	o Pisc	2139	60	+0·012	+0·17	+0·013	+0·04
109	Pi 1h, 159	2161	.....	+0·037	+0·63	.....	.....
110	CD − 27°, 595	2152	.....	+0·046	+0·50	.....	.....
111	BD − 14°, 335	2172	.....	+0·005	+0·27	.....	.....
112	BD − 21°, 300	2184	.....	+0·002	+0·34	.....	.....
113	Br. 235	2188	1050	+0·008	+0·70	+0·011	+0·69
114	Gr. 379	2215	.....	+0·024	+0·49	.....	.....
115	BD + 25°, 305	2207	.....	+0·006	−0·13	.....	.....
116	BD + 80°, 58	2270	.....	+0·020	+0·37	.....	.....
117	ζ Ceti	2249	62	+0·010	+0·39	+0·014	+0·32
118	ϵ Cass	2289	63	−0·067	+0·76	−0·016	+0·74
119	ξ Pisc	2293	65	+0·007	+0·63	+0·010	+0·60
120	ω Cass	2313	.....	−0·013	+0·34	.....	.....
121	BD + 8°, 292	2308	.....	+0·015	+0·73	.....	.....
122	β Arie	2309	66	+0·006	+0·20	+0·014	+0·13
123	BD + 30°, 310	2368	.....	−0·002	−0·06	.....	.....
124	Pi 1h, 223	2395	.....	+0·000	−0·21	.....	.....
125	BD 59°, 376	2407	.....	−0·013	+0·94	.....	.....
126	Br. 271	2416	.....	+0·038	+0·16	.....	.....
127	υ Ceti	2419	71	+0·025	+0·25	+0·018	+0·15
128	BD − 9°, 380	2426	.....	−0·022	−0·53	.....	.....
129	Br. 269	2442	1054	−0·003	−0·19	+0·012	−0·24
130	γ Andr	2477	73	−0·009	+0·56	−0·009	+0·41
131	Br. 280	2474	.....	+0·011	−0·03	.....	.....
132	CD − 24°, 872	2470	.....	−0·002	+0·64	.....	.....
133	BD − 18°, 356	2496	.....	−0·040	+0·03	.....	.....
134	α Arie	2538	74	−0·009	−0·02	+0·005	−0·05
135	Br. 288	2552	.....	−0·009	+0·26	.....	.....
136	CD − 28°, 675	2561	.....	−0·028	+0·29	.....	.....
137	β Tria	2572	75	−0·014	−0·35	+0·004	−0·38
138	Br. 256	2622	Nα	+0·103	+0·19	+0·027	+0·49
139	BD − 13°, 400	2608	.....	−0·017	+0·92	.....	.....
140	Br. 302	2619	.....	−0·004	+0·47	.....	.....
141	Br. 301	2633	.....	−0·002	+0·22	.....	.....
142	Br. 300	2645	.....	−0·004	−0·12	.....	.....
143	ξ^1 Ceti	2656	1058	+0·017	+0·16	+0·023	+0·14
144	Br. 315	2706	1059	+0·001	−0·27	−0·002	−0·32
145	δ Tria	2733	.....	−0·006	−0·02	.....	.....
146	θ Arie	2767	81	−0·007	+0·04	−0·005	+0·06
147	BD + 12°, 315	2768	.....	−0·036	+0·86	.....	.....
148	Pi 2h, 52	2770	1061	−0·008	+0·23	+0·002	+0·09
149	Br. 319	2779	1063	+0·003	−0·08	+0·016	−0·17
150	Br. 335	2850	.....	+0·046	−0·07	.....	.....

Cat. No.	STAR	G. C. No.	FK3 No.	O – G. C. Δα	O – G. C. Δδ	O – FK3 Δα	O – FK3 Δδ
				s	"	s	"
151	BD − 18°, 409	2853	1064	+0·004	+0·63	+0·006	+0·68
152	CD − 26°, 857	2900	.....	−0·010	+0·40	.....	.....
153	BD − 20°, 455	2941	.....	+0·005	−0·15	.....	.....
154	Br. 342	2956	1068	−0·001	+0·15	+0·008	+0·21
155	ξ^2 Ceti	2960	85	+0·002	+0·13	+0·009	+0·02
156	BD + 8°, 385	2983	.....	+0·012	+0·16	.....	.....
157	Br. 349	3003	.....	+0·025	+0·06	.....	.....
158	Br. 350	3032	1070	−0·016	+0·16	−0·015	+0·16
159	BD + 10°, 340	3085	.....	+0·012	+0·69	.....	.....
160	Pi 2h, 115	3122	.....	+0·019	+0·26	.....	.....
161	Br. 365	3126	1074	+0·003	+0·36	+0·007	+0·44
162	BD + 61°, 445	3156	.....	−0·002	+0·66	.....	.....
163	BD + 61°, 448	3169	.....	−0·023	−0·18	.....	.....
164	δ Ceti	3192	91	+0·005	+0·33	+0·012	+0·26
165	BD + 58°, 504	3219	.....	−0·004	+0·48	.....	.....
166	BD − 16°, 484	3211	.....	−0·009	+0·85	.....	.....
167	Br. 344	3270	.....	−0·023	−0·08	.....	.....
168	BD + 47°, 683	3258	.....	+0·005	+0·24	.....	.....
169	θ Pers	3277	93	+0·033	+0·45	+0·036	+0·38
170	Br. 376	3278	1077	−0·037	+0·17	−0·032	+0·22
171	BD − 3°, 426	3283	.....	+0·026	+0·37	.....	.....
172	μ Ceti	3309	98	−0·003	+0·15	+0·005	+0·19
173	CD − 26°, 996	3305	1078	−0·032	−0·51	−0·018	−0·69
174	Br. 373	3345	.....	−0·066	+0·05	.....	.....
175	BD + 35°, 553	3335	.....	−0·006	+0·38	.....	.....
176	BD − 22°, 479	3348	.....	+0·010	+0·25	.....	.....
177	Br. 393	3369	.....	−0·039	+0·13	.....	.....
178	BD − 13°, 530	3366	.....	−0·066	+0·56	.....	.....
179	Gr. 569	3527	.....	−0·099	−0·01	.....	.....
180	BD − 5°, 541	3493	.....	+0·044	+0·06	.....	.....
181	BD + 14°, 492	3515	.....	−0·007	+0·30	.....	.....
182	Br. 410	3531	.....	−0·007	+0·45	.....	.....
183	η Erid	3539	104	−0·011	+0·06	−0·003	+0·10
184	BD + 3°, 410	3547	.....	−0·002	−0·30	.....	.....
185	Br. 412	3562	1081	−0·023	+0·62	−0·018	+0·58
186	π Pers	3567	.....	−0·050	+0·12	.....	.....
187	CD − 29°, 1106	3591	.....	−0·005	+0·46	.....	.....
188	α Ceti	3643	107	+0·023	−0·07	+0·025	−0·05
189	BD − 18°, 516	3645	1084	+0·031	−0·18	+0·034	−0·19
190	γ Pers	3664	108	−0·038	+0·24	−0·016	+0·22
191	β Pers	3733	111	−0·011	+0·49	+0·003	+0·38
192	BD − 2°, 554	3730	.....	+0·026	+0·34	.....	.....
193	BD − 14°, 604	3734	1087	−0·088	+0·51	−0·072	+0·38
194	Br. 440	3742	.....	−0·026	+0·46	.....	.....
195	Br. 441	3762	1088	−0·026	−0·08	−0·014	−0·22
196	BD + 52°, 663	3781	.....	+0·029	+0·65	.....	.....
197	BD + 31°, 553	3788	.....	−0·009	−0·32	.....	.....
198	Gr. 621	3810	.....	−0·052	+0·16	.....	.....
200	BD + 47°, 779	3812	.....	+0·024	+0·32	.....	.....
201	δ Arie	3805	114	−0·034	+0·20	−0·024	+0·15

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				s	"	s	"
202	Pi 3h, 6	3827	.....	−0·017	−0·23	.....	.....
203	α Forn	3831	117	−0·018	+0·54	−0·015	+0·39
204	Gr. 627	3870	.....	−0·014	−0·28	.....	.....
205	BD + 38°, 690	3927	.....	−0·048	+0·11	.....	.....
206	BD + 12°, 460	3941	.....	+0·048	+0·20	.....	.....
207	Br. 402	4030	Nβ	+0·126	−0·20	−0·025	−0·18
208	BD − 19°, 651	3959	.....	−0·028	−0·01	.....	.....
209	Pi 3h, 27	4034	1096	−0·065	+0·14	−0·017	+0·18
210	α Pers	4041	120	0·000	+0·28	+0·002	+0·30
211	CD − 26°, 1257	4031	.....	−0·008	−0·05	.....	.....
212	o Taur	4070	121	−0·006	+0·08	+0·006	−0·08
213	BD − 4°, 586	4077	.....	−0·006	+0·38	.....	.....
214	BD + 19°, 537	4117	.....	−0·002	+0·33	.....	.....
215	BD + 29°, 566	4131	.....	+0·013	+0·04	.....	.....
216	BD − 11°, 667	4130	.....	+0·015	+0·28	.....	.....
217	CD − 23°, 1412	4167	.....	−0·020	+0·56	.....	.....
218	5 Taur	4184	125	−0·024	+0·29	−0·020	+0·20
219	BD + 34°, 674	4222	1098	−0·039	+0·41	−0·023	+0·28
220	Br. 489	4231	.....	−0·058	−0·35	.....	.....
221	ε Erid	4244	127	0·000	+0·39	+0·014	+0·41
222	τ^5 Erid	4258	1099	−0·018	+0·28	+0·001	+0·37
223	Br. 494	4307	.....	−0·034	+0·07	.....	.....
224	Br. 498	4305	1100	+0·005	−0·14	+0·014	−0·20
225	Br. 496	4311	.....	+0·002	+0·27	.....	.....
226	BD + 13°, 579	4346	.....	−0·005	+0·19	.....	.....
227	Br. 502	4347	.....	+0·003	+0·41	.....	.....
228	BD + 40°, 813	4375	.....	−0·003	+0·30	.....	.....
229	δ Pers	4427	131	+0·008	+0·25	+0·021	+0·21
230	Pi 3h, 102	4463	.....	−0·120	−0·22	.....	.....
231	BD + 45°, 804	4459	.....	+0·007	+0·53	.....	.....
232	δ Erid	4450	135	−0·033	+0·82	−0·021	+0·75
233	BD + 36°, 742	4464	.....	−0·025	−0·12	.....	.....
234	Pi 3h, 138	4460	.....	+0·035	−0·22	.....	.....
235	BD + 54°, 707	4480	.....	−0·070	−0·05	.....	.....
236	BD + 27°, 556	4468	.....	−0·076	−0·16	.....	.....
237	CD − 26°, 1423	4514	.....	−0·005	+0·73	.....	.....
238	Gr. 642	4693	.....	−0·059	−0·12	.....	.....
239	η Taur	4541	139	−0·010	+0·29	+0·005	+0·32
240	τ^6 Erid	4547	140	+0·014	−0·33	+0·028	−0·31
241	BD − 0°, 602	4584	.....	−0·024	+0·42	.....	.....
242	BD − 21°, 703	4593	.....	−0·014	−0·23	.....	.....
243	BD + 57°, 752	4668	1105	+0·027	−0·07	+0·047	−0·03
244	Br. 535	4662	.....	+0·003	+0·10	.....	.....
245	Pi 3h, 187	4677	1106	+0·004	−0·41	+0·020	−0·39
246	ζ Pers	4688	144	−0·063	+0·50	−0·045	+0·50
247	BD − 7°, 695	4683	1107	−0·006	−0·07	+0·017	−0·08
248	BD − 18°, 691	4687	.....	−0·016	+0·24	.....	.....
249	BD + 30°, 591	4720	.....	−0·037	−0·06	.....	.....
250	BD + 2°, 628	4745	.....	+0·043	−0·28	.....	.....
251	ε Pers	4759	147	−0·019	+0·59	0·000	+0·64

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				s	"	s	"
252	BD + 24°, 599	4757	.....	+0·004	+0·59	.....	.....
253	γ Erid	4778	149	−0·033	+0·26	−0·017	+0·25
254	BD + 13°, 621	4786	.....	−0·013	+0·29	.....	.....
255	λ Taur	4805	150	−0·006	+0·14	+0·007	+0·26
256	BD + 73°, 210	4882	.....	+0·040	−0·27	.....	.....
257	ν Taur	4862	151	−0·023	−0·01	−0·001	−0·02
258	BD + 61°, 669	4898	.....	−0·145	+0·58	.....	.....
259	BD − 13°, 806	4907	.....	+0·028	−0·17	.....	.....
261	BD + 42°, 897	4958	.....	−0·084	−0·12	.....	.....
262	Br. 561	4973	.....	−0·051	+0·51	.....	.....
263	BD − 22°, 754	4961	.....	−0·030	+0·21	.....	.....
264	Pi 3h, 362	5013	.....	−0·001	−0·27	.....	.....
265	Br. 566	5042	.....	+0·002	+0·37	.....	.....
266	BD + 48°, 1059	5067	.....	+0·049	+0·30	.....	.....
267	o^1 Erid	5056	154	−0·013	−0·13	+0·001	−0·11
268	BD − 17°, 816	5062	.....	−0·026	−0·42	.....	.....
269	Gr. 766	5208	.....	+0·183	−0·06	.....	.....
270	Pi 4h, 7	5132	.....	−0·050	0·00	.....	.....
271	Gr. 750	5301	Nc	+0·043	−0·07	−0·019	−0·02
272	Br. 576	5189	.....	−0·017	−0·19	.....	.....
273	γ Taur	5226	159	−0·033	+0·36	−0·020	+0·32
274	Br. 586	5252	.....	−0·033	+0·58	.....	.....
275	BD − 16°, 838	5255	1119	+0·032	+0·50	+0·025	+0·47
276	BD − 7°, 798	5267	.....	−0·037	−0·55	.....	.....
277	Pi 4h, 68	5290	.....	−0·018	+0·87	.....	.....
278	δ Taur	5304	162	−0·039	−0·17	−0·023	−0·24
279	ξ Erid	5327	1120	+0·008	+0·94	+0·019	+0·86
280	BD + 57°, 800	5358	.....	−0·054	+0·21	.....	.....
281	BD + 69°, 258	5401	1122	−0·022	−0·13	+0·015	+0·03
282	BD + 8°, 687	5378	.....	−0·039	+1·15	.....	.....
283	BD + 1°, 753	5399	.....	+0·040	−0·04	.....	.....
284	ε Taur	5430	164	−0·034	+0·44	−0·011	+0·37
285	BD − 21°, 878	5435	.....	+0·005	+1·06	.....	.....
286	BD + 27°, 661	5447	.....	−0·014	−0·11	.....	.....
287	BD − 13°, 893	5458	.....	−0·016	+0·87	.....	.....
288	Br. 620	5482	.....	−0·027	−0·14	.....	.....
289	BD + 36°, 907	5515	.....	−0·007	+0·48	.....	.....
290	α Taur	5605	168	−0·041	+0·06	−0·019	+0·05
291	Br. 640	5627	.....	−0·047	+0·04	.....	.....
292	Br. 642	5635	.....	+0·016	+0·22	.....	.....
293	BD + 20°, 785	5644	.....	−0·053	−0·07	.....	.....
295	BD + 76°, 174	5711	.....	+0·080	−0·34	.....	.....
296	Br. 646	5684	.....	−0·038	+0·08	.....	.....
297	Br. 644	5719	.....	−0·047	−0·15	.....	.....
298	Gr. 866	5726	1128	−0·010	+0·18	+0·016	+0·11
299	τ Taur	5716	174	−0·019	0·00	+0·005	+0·01
300	Pi 4h, 161	5749	.....	−0·032	+0·35	.....	.....
301	Br. 656	5768	1131	−0·001	−0·05	+0·019	−0·05
302	CD − 27°, 1869	5783	.....	−0·079	+0·27	.....	.....
303	μ Erid	5796	176	−0·007	+0·38	+0·011	+0·37

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				s	"	s	"
304	Pi 4h, 186	5794	.....	−0·032	+0·17	.....	.....
305	Br. 651	5817	.....	−0·030	−0·09	.....	.....
306	BD + 29°, 741	5841	.....	−0·044	−0·20	.....	.....
307	Gr. 856	5962	.....	+0·028	−0·33	.....	.....
308	BD − 14°, 970	5882	.....	−0·068	−0·03	.....	.....
309	BD + 61°, 739	5927	.....	−0·092	+0·53	.....	.....
310	π^5 Orio	5978	180	−0·025	+0·14	0·000	+0·08
311	Pi 4h, 236	5986	.....	−0·043	+0·10	.....	.....
312	BD − 16°, 992	6012	.....	−0·019	+0·50	.....	.....
313	ι Auri	6029	181	−0·062	+0·34	−0·033	+0·32
314	Br. 689	6032	.....	−0·036	−0·46	.....	.....
315	Br. 684	6044	.....	−0·018	+0·22	.....	.....
316	Br. 683	6064	.....	+0·008	+0·28	.....	.....
317	Br. 695	6068	.....	−0·002	+0·22	.....	.....
318	BD + 14°, 796	6072	.....	−0·045	+0·08	.....	.....
319	ϵ Auri	6123	183	−0·002	+0·11	+0·019	+0·06
320	Gr. 915	6153	.....	−0·040	−0·31	.....	.....
321	ι Taur	6158	184	−0·058	+0·04	−0·032	+0·01
322	Br. 691	6193	.....	−0·069	−0·27	.....	.....
323	CD − 24°, 2795	6195	.....	−0·033	+0·39	.....	.....
324	BD − 3°, 998	6206	.....	−0·021	+0·46	.....	.....
325	BD + 33°, 953	6222	.....	−0·030	+0·01	.....	.....
326	ϵ Leps	6231	186	−0·035	+0·22	−0·021	+0·05
327	Pi 4h, 254	6288	.....	−0·132	+0·34	.....	.....
328	BD − 12°, 1076	6268	.....	+0·007	−0·11	.....	.....
329	β Erid	6274	188	−0·018	+0·00	+0·007	−0·06
330	Br. 710	6279	.....	−0·041	+0·31	.....	.....
331	DB + 85°, 74	6447	Nγ	−0·001	−0·04	−0·107	+0·06
332	DB + 27°, 732	6301	1141	−0·042	+0·32	−0·023	+0·17
333	Pi 4h, 294	6311	.....	−0·009	+0·05	.....	.....
334	Br. 716	6300	1142	−0·065	+0·81	−0·036	+0·76
335	BD 67°, 371	6356	.....	−0·041	−0·01	.....	.....
337	Br. 729	6392	.....	−0·063	−0·39	.....	.....
338	β Orio	6410	194	−0·027	+0·21	−0·006	+0·23
339	α Auri	6427	193	−0·034	+0·17	−0·015	+0·10
340	τ Orio	6480	195	−0·028	+0·11	−0·002	+0·21
341	Br. 741	6506	.....	−0·046	−0·28	.....	.....
342	BD + 54°, 882	6527	.....	+0·016	+0·68	.....	.....
343	Br. 744	6509	.....	−0·051	−0·23	.....	.....
344	BD − 18°, 1051	6511	.....	−0·050	+0·35	.....	.....
345	BD + 10°, 758	6537	.....	−0·013	+0·56	.....	.....
346	BD + 8°, 933	6574	.....	−0·017	+0·31	.....	.....
347	BD + 85°, 78	6778	.....	+0·110	+0·02	.....	.....
348	BD + 70°, 351	6633	.....	−0·027	−0·11	.....	.....
349	σ Auri	6636	.....	−0·056	−0·30	.....	.....
350	CD − 26°, 2185	6634	.....	+0·005	+1·50	.....	.....
351	γ Orio	6668	201	−0·020	+0·14	+0·005	+0·19
352	β Taur	6681	202	−0·041	+0·52	−0·010	+0·55
353	Br. 767	6714	1148	−0·032	+0·14	−0·004	+0·06
354	Pi 5h, 102	6726	.....	−0·010	−0·14	.....	.....

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				s	"	s	"
355	BD − 21°, 1174	6747	.....	+0·001	+0·60	.....	.....
356	BD − 0°, 960	6756	.....	−0·014	+0·27	.....	.....
357	BD + 29°, 909	6772	.....	−0·019	+0·80	.....	.....
358	BD + 41°, 1206	6797	.....	−0·004	+0·20	.....	.....
359	δ Orio	6847	206	−0·032	+0·29	−0·008	+0·16
360	α Leps	6875	207	−0·052	−0·18	−0·034	−0·14
361	Br. 770	6917	.....	−0·125	−0·32	.....	.....
362	Br. 793	6896	.....	−0·008	+0·01	.....	.....
363	ε Orio	6960	210	−0·018	−0·13	+0·008	−0·12
364	BD + 10°, 828	6975	.....	−0·029	−0·20	.....	.....
365	BD − 6°, 1255	6971	.....	+0·013	+0·99	.....	.....
366	ζ Taur	6985	211	−0·034	−0·06	−0·006	−0·02
367	CD − 27°, 2395	7025	1153	−0·082	+0·11	−0·073	+0·43
368	BD + 24°, 909	7050	.....	−0·043	−0·48	.....	.....
369	BD − 17°, 1199	7058	.....	−0·076	+0·64	.....	.....
370	Br. 797	7105	.....	−0·030	+0·48	.....	.....
371	Gr. 944	7273	Nδ	−0·076	−0·35	−0·011	−0·31
372	BD − 20°, 1171	7193	.....	−0·014	+0·54	.....	.....
373	Br. 830	7224	.....	−0·051	−0·04	.....	.....
374	BD + 29°, 997	7232	.....	−0·045	+0·19	.....	.....
375	BD + 9°, 954	7228	.....	−0·044	+0·30	.....	.....
376	Br. 827	7265	.....	−0·037	+0·36	.....	.....
377	κ Orio	7264	220	−0·026	+0·48	−0·007	+0·50
378	BD − 4°, 1244	7286	1155	−0·043	−0·47	+0·001	−0·65
379	BD − 14°, 1251	7315	.....	−0·025	+0·40	.....	.....
380	α Orio	7451	224	−0·029	+0·44	−0·011	+0·30
381	BD + 11°, 975	7488	.....	−0·013	−0·26	.....	.....
382	β Auri	7543	227	−0·069	+0·40	−0·046	+0·48
383	BD − 18°, 1247	7519	.....	−0·047	+0·17	.....	.....
384	Gr. 1030	7606	.....	−0·069	+0·06	.....	.....
385	Br. 870	7556	1161	−0·024	+0·80	+0·001	+0·62
386	BD + 33°, 1209	7568	1162	−0·074	+0·90	−0·028	+0·65
387	Br. 874	7565	.....	−0·077	+1·17	.....	.....
388	Br. 871	7610	.....	−0·042	+0·21	.....	.....
389	Br. 868	7641	.....	−0·055	−0·48	.....	.....
390	CD − 25°, 2865	7623	.....	−0·104	+1·62	.....	.....
391	μ Orio	7635	.....	−0·019	−0·03	.....	.....
392	Br. 864	7663	.....	0·000	+0·08	.....	.....
393	Pi 5h, 325	7753	.....	−0·072	−0·08	.....	.....
394	θ Leps	7742	.....	−0·038	+0·94	.....	.....
395	BD − 3°, 1297	7762	.....	−0·006	+0·82	.....	.....
396	ν Orio	7772	232	−0·040	+0·49	−0·015	+0·38
397	BD − 21°, 1353	7779	.....	−0·026	+0·58	.....	.....
398	36 Caml	7856	233	−0·089	−0·08	−0·054	−0·25
399	Br. 886	7853	.....	−0·035	+0·43	.....	.....
400	Br. 900	7887	.....	−0·021	+0·11	.....	.....
401	η Gemi	7969	236	−0·047	+0·04	−0·023	+0·02
402	Br. 904	7983	1167	−0·050	+0·17	−0·027	+0·05
403	Br. 893	8016	.....	−0·007	+0·32	.....	.....
404	5 Mono	7986	.....	−0·041	+0·55	.....	.....

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				s	"	s	"
405	BD + 1°, 1275	8017	.....	−0·012	−0·11	.....	.....
406	Br. 917	8039	.....	−0·018	−0·05	.....	.....
407	2 Lyne	8068	237	−0·040	−0·31	+0·007	−0·34
408	BD + 14°, 1235	8073	.....	−0·024	+0·33	.....	.....
409	BD − 16°, 1426	8080	.....	−0·015	+0·74	.....	.....
410	7 Mono	8132	1170	−0·009	−0·09	+0·007	−0·04
411	BD + 30°, 1211	8183	.....	−0·039	+0·56	.....	.....
412	ζ C Maj	8170	240	−0·009	+0·28	+0·017	+0·15
413	CD − 29°, 3021	8184	.....	−0·036	+0·38	.....	.....
414	μ Gemi	8208	241	−0·022	+0·03	+0·001	+0·07
415	Gr. 1004	8505	.....	−0·234	−0·32	.....	.....
416	β C Maj	8223	243	−0·029	+0·77	−0·003	+0·83
417	BD + 70°, 401	8293	.....	−0·073	−0·21	.....	.....
418	ε Mono	8240	244	−0·020	+0·57	−0·001	+0·50
419	BD + 8°, 1316	8248	.....	−0·006	+0·86	.....	.....
420	BD − 11°, 1478	8265	1171	−0·040	+0·06	−0·026	+0·02
421	Gr. 1156	8300	1172	−0·007	+0·35	−0·003	+0·36
422	BD − 1°, 1242	8335	.....	−0·025	+0·49	.....	.....
423	BD + 16°, 1159	8382	.....	+0·004	−0·02	.....	.....
424	10 Mono	8378	246	−0·030	−0·03	−0·006	+0·01
425	Pi 6h, 114	8426	.....	−0·070	+0·38	.....	.....
426	BD − 22°, 1429	8427	.....	−0·012	+0·83	.....	.....
427	BD + 47°, 1310	8472	.....	−0·066	−0·15	.....	.....
428	Gr. 1173	8501	.....	−0·070	−0·22	.....	.....
429	BD + 82°, 177	8605	.....	+0·100	+0·30	.....	.....
430	Pi 6h, 171	8609	.....	−0·027	+0·09	.....	.....
431	Br. 975	8614	.....	+0·011	+0·27	.....	.....
432	γ Gemi	8633	251	−0·042	+0·05	−0·018	+0·01
433	BD + 2°, 1315	8642	.....	−0·047	+0·09	.....	.....
434	BD + 22°, 1416	8672	.....	−0·040	+0·02	.....	.....
435	BD + 11°, 1273	8731	.....	−0·031	+0·04	.....	.....
436	BD + 32°, 1378	8754	.....	−0·075	−0·28	.....	.....
437	ε Gemi	8786	254	−0·064	+0·03	−0·031	+0·01
438	Br. 976	8826	.....	−0·054	+0·02	.....	.....
439	CD − 25°, 3546	8808	.....	−0·081	+1·92	.....	.....
440	ξ Gemi	8823	256	−0·043	+0·11	−0·016	+0·20
441	Br. 984	8858	1176	−0·033	0·00	−0·002	−0·07
442	Br. 991	8856	1177	−0·058	+0·67	−0·034	+0·61
443	Br. 1001	8884	.....	−0·055	+0·10	.....	.....
444	BD − 2°, 1776	8923	1179	−0·017	+0·48	+0·002	+0·42
445	Br. 997	8927	.....	−0·046	−0·11	.....	.....
446	BD − 14°, 1599	8922	.....	−0·036	+0·34	.....	.....
447	BD + 25°, 1469	8974	.....	−0·045	−0·47	.....	.....
448	Gr. 1237	9042	.....	−0·076	+0·25	.....	.....
449	θ C Maj	9051	266	−0·046	+0·47	−0·024	+0·46
450	BD + 10°, 1335	9100	.....	−0·014	−0·18	.....	.....
451	2 C Maj	9107	.....	−0·019	0·00	.....	.....
452	Br. 1010	9151	.....	−0·069	+0·55	.....	.....
453	BD + 3°, 1488	9175	.....	−0·010	+0·68	.....	.....
454	ε C Maj	9188	268	−0·050	+0·20	−0·025	+0·14

Cat. No.	STAR	G. C. No.	FK3 No.	O – G. C. Δα	O – G. C. Δδ	O – FK3 Δα	O – FK3 Δδ
				s	"	s	"
455	BD − 8°, 1662	9226	1181	+0·017	+0·53	+0·032	+0·47
456	ω Gemi	9263	1182	−0·047	−0·18	−0·016	−0·13
457	CD − 25°, 3911	9253	.....	−0·009	+0·73	.....	.....
458	Gr. 1256	9322	.....	−0·049	+0·13	.....	.....
459	ζ Gemi	9313	269	−0·044	+0·08	−0·011	+0·02
460	γ C Maj	9320	271	−0·079	+0·41	−0·059	+0·43
461	BD − 21°, 1732	9351	.....	−0·041	+0·32	.....	.....
462	BD − 11°, 1790	9389	.....	−0·008	+0·61	.....	.....
463	BD + 34°, 1533	9405	.....	−0·068	0·00	.....	.....
464	BD + 7°, 1607	9409	1185	−0·035	+0·48	−0·006	+0·40
465	Br. 1030	9421	.....	−0·062	−0·03	.....	.....
466	Gr. 1262	9489	.....	−0·027	−0·42	.....	.....
467	δ C. Maj	9443	273	−0·036	+0·38	−0·011	+037·
468	51 H Ceph	9772	Nd	−0·015	−0·28	−0·203	−0·25
469	Br. 1034	9493	.....	−0·057	+0·09	.....	.....
470	Gr. 1272	9526	.....	−0·059	+0·25	.....	.....
471	Br. 1045	9505	.....	+0·004	−0·20	.....	.....
472	BD 47°, 1411	9525	.....	+0·045	+0·30	.....	.....
473	δ Mono	9518	1187	−0·035	−0·60	−0·010	−0·60
474	BD + 12°, 1469	9592	.....	−0·045	+0·41	.....	.....
475	λ Gemi	9701	277	−0·057	+0·01	−0·022	−0·16
476	Pi 7h, 56	9698	.....	−0·030	−0·10	.....	.....
477	25 H Caml	9851	.....	−0·056	−0·46	.....	.....
478	Pi 7h, 63	9739	.....	−0·033	+0·11	.....	.....
479	R C Maj	9758	.....	−0·057	−0·12	.....	.....
480	Br. 1063	9796	.....	−0·071	+0·11	.....	.....
481	Br. 1065	9808	.....	−0·016	+0·37	.....	.....
482	CD − 26°, 4223	9805	.....	−0·068	+0·10	.....	.....
483	ι Gemi	9897	282	−0·084	−0·15	−0·048	−0·15
484	η C Maj	9886	283	−0·024	+0·15	+0·009	+0·05
485	BD + 78°, 254	9972	.....	+0·006	−0·24	.....	.....
486	BD − 13°, 2001	9905	1192	−0·015	+0·79	−0·024	+0·83
487	β C Min	9947	285	−0·044	+0·03	−0·014	−0·03
488	BD − 22°, 1874	9960	.....	−0·021	+0·59	.....	.....
489	γ C Min	9974	.....	−0·016	−0·30	.....	.....
490	Br. 1082	10015	.....	−0·022	+0·29	.....	.....
491	6 C Min	10024	1193	−0·027	+0·22	−0·003	+0·11
492	BD − 4°, 1979	10053	.....	−0·037	−0·04	.....	.....
493	BD + 17°, 1596	10073	.....	−0·040	+0·45	.....	.....
494	BD + 46°, 1286	10168	1195	−0·081	+0·32	−0·043	+0·24
495	BD − 7°, 2065	10192	.....	−0·015	+0·27	.....	.....
496	Gr. 1336	10234	.....	−0·032	−0·34	.....	.....
497	BD − 19°, 1967	10208	1197	−0·049	+0·36	−0·006	+0·41
498	BD + 33°, 1560	10230	.....	−0·032	+0·65	.....	.....
499	25 Mono	10217	289	−0·032	+0·11	−0·004	+0·15
500	BD + 14°, 1713	10225	.....	+0·010	−0·06	.....	.....
501	Br. 1093	10279	.....	−0·066	+0·15	.....	.....
502	α C Min	10277	291	−0·026	+0·80	−0·006	+0·66
503	BD + 23°, 1780	10318	.....	−0·012	−0·38	.....	.....
504	Pi 7h, 189	10381	.....	−0·002	+0·02	.....	.....

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				s	"	s	"
505	Br. 1098	10420	.....	−0·086	−0·01	.....	
506	Br. 1100	10422	.....	−0·064	+0·16	.....	
507	BD + 39°, 1998	10412	.....	−0·078	+0·58	.....	
508	Br. 1118	10409	.....	−0·068	−0·46	.....	
510	β Gemi	10438	295	−0·069	−0·26	−0·032	−0·25
511	Br. 1115	10456	1200	−0·028	−0·37	+0·002	−0·41
512	BD − 22°, 2027	10501	.....	−0·022	+0·20	.....	
513	BD + 5°, 1790	10509	.....	−0·011	+0·01	.....	
514	BD + 26°, 1656	10546	.....	−0·034	−0·04	.....	
515	ξ Pupp	10562	1204	−0·013	+0·97	+0·008	+0·94
516	BD − 10°, 2253	10606	.....	−0·009	+1·00	.....	
517	9 Pupp	10629	298	−0·048	+0·31	−0·016	+0·41
518	BD − 2°, 2322	10635	.....	−0·044	−0·15	.....	
519	Br. 1137	10707	.....	−0·048	+0·08	.....	
520	BD + 30°, 1612	10720	.....	−0·041	−0·12	.....	
521	BD + 44°, 1693	10757	1209	−0·023	+0·07	−0·013	+0·02
522	Br. 1139	10776	.....	−0·016	+0·01	.....	
523	Pi 7h, 267	10801	.....	−0·047	−0·16	.....	
524	CD − 29°, 5236	10774	1210	−0·041	+0·57	−0·028	+0·37
525	BD − 18°, 2118	10825	1212	0·000	+0·79	+0·022	+0·88
526	BD + 9°, 1843	10880	.....	−0·009	+0·38	.....	
527	BD − 5°, 2339	10900	1213	−0·031	+0·01	−0·018	+0·08
528	8 Cancri	10959	.....	−0·036	+0·23	.....	
529	CD − 25°, 5530	10963	.....	−0·043	+0·13	.....	
530	BD − 0°, 1903	10986	.....	+0·017	+0·51	.....	
531	BD − 20°, 2395	11027	.....	−0·032	+0·52	.....	
532	ρ Pupp	11034	308	−0·038	+0·22	−0·018	+0·07
533	Pi 7h, 308	11073	1214	−0·054	−0·12	−0·026	−0·15
534	BD + 53°, 1221	11087	.....	−0·042	−0·27	.....	
535	Br. 1167	11091	.....	−0·005	+0·02	.....	
536	BD + 49°, 1711	11125	.....	−0·084	+0·37	.....	
537	BD + 15°, 1775	11114	.....	−0·008	+0·10	.....	
538	Br. 1177	11134	.....	−0·012	+0·19	.....	
539	Pi 7h, 311	11158	.....	−0·040	+0·11	.....	
540	Gr. 1391	11296	.....	−0·151	+0·00	.....	
541	Br. 1160	11302	.....	−0·099	−0·54	.....	
542	β Canc	11254	312	−0·032	+0·27	−0·010	+0·25
543	BD + 4°, 1945	11285	1216	−0·024	+0·36	−0·013	+0·43
544	Br. 1184	11299	.....	+0·015	+0·36	.....	
545	BD − 9°, 2471	11346	1218	0·000	−0·01	+0·027	−0·11
546	λ Canc	11363	.....	−0·025	+0·45	.....	
547	Pi 8h, 30	11381	.....	−0·106	+0·01	.....	
548	BD + 32°, 1725	11444	.....	−0·047	−0·28	.....	
549	Br. 1187	11454	.....	−0·033	+0·09	.....	
550	CD − 28°, 5961	11470	.....	−0·030	−0·22	.....	
551	Br. 1192	11494	.....	−0·035	+0·36	.....	
552	Pi 8h, 72	11491	1221	−0·023	+0·09	−0·021	−0·01
553	Pi 8h, 67	11505	.....	−0·027	+0·11	.....	
554	Br. 1197	11499	316	−0·038	+0·32	−0·010	+0·26
555	BD − 14°, 2517	11512	.....	−0·012	+0·16	.....	

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				s	″	s	″
556	Br. 1199	11523	.....	−0·023	+0·12	.....	
557	Gr. 1119	12154	.....	−0·048	−0·10	.....	
558	BD + 26°, 1789	11609	.....	−0·011	−0·19	.....	
559	Br. 1204	11702	.....	−0·067	+0·19	.....	
561	Br. 1202	11817	.....	−0·098	−0·08	.....	
562	Gr. 1431	11900	.....	−0·055	−0·10	.....	
563	Br. 1213	11807	.....	−0·010	+1·22	.....	
564	BD − 18°, 2416	11813	.....	−0·050	+0·26	.....	
565	δ Hyda	11823	1223	−0·040	+0·36	−0·016	+0·27
566	BD + 51°, 1443	11882	.....	−0·012	+0·18	.....	
567	Br. 1220	11874	.....	−0·021	+0·15	.....	
568	Br. 1214	11903	1225	−0·092	−0·25	−0·060	−0·27
569	BD − 8°, 2452	11938	.....	−0·005	−0·14	.....	
570	η Hyda	11987	.....	−0·053	+0·12	.....	
571	δ Canc	12022	326	−0·043	+0·43	−0·015	+0·27
572	Br. 1233	12037	.....	−0·051	+0·12	.....	
573	Br. 1240	12041	.....	−0·055	+0·23	.....	
574	BD − 20°, 2667	12052	1229	−0·041	+0·88	−0·039	+0·15
575	BD − 10°, 2634	12086	.....	−0·028	−0·23	.....	
576	ε Hyda	12102	329	−0·015	−0·05	+0·008	−0·09
577	CD − 26°, 6417	12098	.....	−0·016	+0·53	.....	
578	Pi 8h, 167	12122	.....	−0·053	+0·44	.....	
579	Br. 1247	12221	.....	−0·082	+0·15	.....	
580	BD + 59°, 1198	12234	.....	−0·034	+0·17	.....	
581	BD + 78°, 297	12309	.....	−0·074	+0·18	.....	
582	BD − 8°, 2518	12305	.....	−0·004	−0·02	.....	
583	ζ Hyda	12327	334	−0·020	+0·30	+0·003	+0·32
584	BD − 17°, 2691	12331	1231	−0·025	+0·52	−0·009	+0·83
585	60 Canc	12339	.....	−0·054	+0·82	.....	
586	BD + 22°, 2029	12362	.....	−0·052	+0·16	.....	
587	ι U. Maj	12407	335	−0·085	+0·45	−0·061	+0·44
588	α Canc	12406	337	−0·039	+0·45	−0·017	+0·36
589	Gr. 1496	12432	.....	−0·055	+0·08	.....	
590	BD + 0°, 2449	12487	1235	−0·027	+0·12	−0·005	+0·05
591	κ U. Maj	12503	341	−0·064	−0·16	−0·033	−0·29
592	BD − 4°, 2530	12522	1236	+0·001	+0·13	+0·031	+0·07
593	BD + 84°, 196	12603	Nζ	+0·018	−0·26	+0·014	−0·06
594	ω Hyda	12564	.....	−0·054	+0·26	.....	
595	τ Canc	12593	.....	−0·065	−0·24	.....	
596	κ Canc	12596	1238	−0·030	+0·25	−0·001	+0·12
597	Br. 1286	12615	.....	−0·068	+0·21	.....	
598	τ U. Maj	12646	.....	−0·007	+1·06	.....	
599	CD − 26°, 6766	12636	.....	−0·067	+0·15	.....	
600	BD − 11°, 2565	12645	1240	+0·009	−0·11	+0·032	−0·01
602	Br. 1296	12685	.....	−0·028	−0·09	.....	
603	θ Hyda	12743	347	−0·020	+0·24	+0·003	+0·22
604	Br. 1297	12761	.....	−0·069	+0·41	.....	
605	Gr. 1522	12814	.....	−0·128	+0·27	.....	
606	Pi 9h, 19	12799	.....	−0·032	+0·22	.....	
607	BD + 1°, 2267	12796	.....	−0·011	+0·22	.....	

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				s	"	s	"
608	Br. 1307	12800	.....	−0·024	+0·37	.....	
609	BD + 23°, 2072	12815	.....	−0·007	+0·34	.....	
610	BD − 16°, 2749	12849	.....	−0·034	+0·13	.....	
611	BD + 57°, 1214	12883	.....	−0·087	+0·18	.....	
612	α Lync	12880	352	−0·047	+0·20	−0·018	+0·15
613	BD + 13°, 2074	12899	.....	−0·037	−0·01	.....	
614	θ Pyxi	12916	1243	−0·041	+0·16	−0·032	+0·13
615	BD + 37°, 1978	12957	.....	−0·021	+0·07	.....	
616	Pi 9h, 75	12952	.....	−0·030	+0·95	.....	
617	Pi 9h, 74	12990	.....	−0·043	+0·37	.....	
618	CD − 24°, 8060	12997	.....	+0·006	−0·21	.....	
619	α Hyda	13044	354	−0·042	+0·59	−0·021	+0·62
620	Br. 1334	13080	.....	−0·038	+0·33	.....	
621	Br. 1331	13112	.....	−0·040	−0·05	.....	
622	1 H. Drac	13174	Ne	−0·055	−0·02	−0·074	−0·12
623	BD + 28°, 1768	13128	.....	−0·047	−0·32	.....	
624	θ U. Maj	13157	358	−0·030	+0·30	+0·006	+0·33
625	Br. 1339	13150	.....	−0·025	+0·11	.....	
626	BD + 2°, 2217	13172	.....	−0·020	+0·13	.....	
627	BD − 12°, 2926	13185	.....	+0·013	+0·81	.....	
628	Br. 1336	13212	.....	−0·017	+0·04	.....	
629	BD − 18°, 2728	13254	.....	−0·046	+0·42	.....	
630	BD + 67°, 602	13304	.....	−0·089	+0·20	.....	
631	BD + 43°, 1943	13318	.....	−0·046	−0·12	.....	
632	BD + 20°, 2351	13322	.....	−0·037	+0·16	.....	
633	ι Hyda	13341	1250	−0·029	+0·20	−0·007	+0·10
634	Br. 1358	13343	.....	−0·049	−1·04	.....	
635	o Leon	13366	365	−0·032	+0·40	−0·016	+0·25
636	Br. 1354	13372	.....	−0·061	−0·40	.....	
637	Gr. 1573	13379	.....	−0·042	+0·16	.....	
638	13 L. Min	13388	.....	−0·087	+0·03	.....	
639	ψ Leon	13414	1252	−0·034	−0·35	−0·015	−0·39
640	Pi 9h, 167	13433	.....	−0·039	+0·05	.....	
641	ε Leon	13443	367	−0·038	+0·10	−0·015	+0·06
642	BD + 19°, 2254	13444	1253	−0·067	−0·28	−0·045	−0·33
643	BD + 7°, 2181	13452	.....	−0·005	+0·30	.....	
644	υ U. Maj	13540	368	−0·058	+0·14	−0·025	+0·04
645	Br. 1382	13569	.....	−0·052	+0·30	.....	
646	BD + 61°, 1151	13613	.....	−0·054	+0·56	.....	
647	Br. 1391	13673	.....	−0·029	+0·46	.....	
648	BD − 6°, 3033	13674	1257	−0·014	+0·68	+0·006	+0·55
649	Gr. 1594	13735	.....	−0·031	0·00	.....	
650	BD + 22°, 2148	13740	.....	−0·076	+0·48	.....	
651	π Leon	13755	378	−0·020	+0·40	−0·001	+0·36
652	BD + 84°, 225	13814	.....	−0·002	+0·06	.....	
654	BD − 0°, 2285	13804	.....	+0·002	+0·35	.....	
655	CD − 23°, 8973	13848	1260	−0·039	+0·58	−0·025	+0·56
656	CD − 27°, 7179	13857	.....	−0·042	+0·38	.....	
658	Br. 1404	13888	.....	−0·033	+0·39	.....	
659	η Leon	13899	379	−0·026	+0·19	−0·001	+0·10

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				s	"	s	"
660	α Leon	13926	380	−0·034	+0·32	−0·015	+0·26
661	Br. 1408	13939	.....	−0·034	+0·54	.....	.....
662	BD − 12°, 3101	13970	.....	+0·009	+0·56	.....	.....
663	Pi 9h, 254	13976	.....	−0·021	−0·19	.....	.....
664	Gr. 1619	13985	.....	−0·075	+0·03	.....	.....
665	λ Hyda	13982	381	−0·030	+0·19	−0·012	+0·18
666	BD + 28°, 1852	14014	.....	−0·019	+0·14	.....	.....
667	BD + 79°, 328	14041	.....	+0·026	+0·10	.....	.....
668	BD + 71°, 534	14102	.....	−0·033	+0·11	.....	.....
669	Br. 1424	14096	.....	−0·027	+0·12	.....	.....
670	λ U. Maj	14113	383	−0·034	−0·13	−0·022	−0·16
671	Br. 1426	14110	.....	−0·013	+0·05	.....	.....
672	BD − 18°, 2885	14116	.....	−0·075	+0·42	.....	.....
673	ε Sext	14129	1263	−0·021	+0·46	−0·003	+0·40
674	Gr. 1638	14181	.....	+0·003	+0·15	.....	.....
675	Br. 1435	14204	1266	−0·005	+0·04	+0·021	−0·07
676	μ U. Maj	14232	386	−0·081	+0·42	−0·061	+0·25
677	BD − 22°, 2904	14223	.....	−0·001	+0·54	.....	.....
678	Br. 1438	14252	1267	−0·015	+0·41	+0·012	+0·29
679	29 H. Caml	14305	.....	−0·032	−0·36	.....	.....
680	Pi 10h, 64	14301	.....	−0·005	−0·05	.....	.....
681	CD − 28°, 8164	14317	.....	−0·042	+1·02	.....	.....
682	30 H. Caml	14367	*Nf*	−0·040	+0·04	+0·010	0·00
683	μ Hyda	14326	389	−0·040	+0·05	−0·026	+0·01
684	BD + 60°, 1263	14345	.....	−0·052	+0·60	.....	.....
685	α Antl	14352	392	−0·037	+1·21	−0·018	+0·92
686	BD + 16°, 2123	14380	.....	−0·020	−0·26	.....	.....
687	BD + 29°, 2057	14409	1271	−0·054	+0·05	−0·037	+0·07
688	Gr. 1658	14491	.....	−0·054	+0·66	.....	.....
689	ρ Leon	14487	396	−0·015	+0·32	+0·002	+0·30
690	Br. 1465	14501	.....	−0·046	+0·38	.....	.....
691	BD + 22°, 2236	14525	.....	−0·055	+0·25	.....	.....
692	BD + 2°, 2334	14543	.....	−0·016	−0·13	.....	.....
693	BD − 11°, 2918	14582	1274	−0·013	−0·05	−0·002	+0·07
694	BD − 8°, 2963	14596	.....	+0·010	+0·42	.....	.....
695	φ Hyda	14631	.....	−0·045	+0·29	.....	.....
696	BD + 47°, 1797	14659	.....	−0·056	+0·50	.....	.....
697	Br. 1458	14692	.....	−0·021	−0·21	.....	.....
699	Br. 1487	14745	.....	+0·003	+0·15	.....	.....
700	CD − 23°, 9500	14771	.....	−0·060	−0·32	.....	.....
701	Br. 1492	14813	1279	−0·032	−0·01	−0·007	−0·13
702	CD − 25°, 8237	14829	1280	+0·033	+0·62	+0·035	+0·71
703	BD − 1°, 2446	14877	.....	−0·018	+0·13	.....	.....
704	53 Leon	14889	409	−0·022	+0·33	−0·009	+0·15
705	Br. 1501	14897	.....	−0·068	−0·12	.....	.....
706	Pi 10h, 171	14937	.....	−0·027	+0·40	.....	.....
707	BD − 12°, 3293	14994	.....	−0·011	+0·14	.....	.....
708	Br. 1517	15022	.....	−0·007	+0·75	.....	.....
709	BD + 20°, 2538	15073	.....	−0·015	0·00	.....	.....
710	BD − 18°, 3072	15085	.....	−0·017	+1·14	.....	.....

Cat. No.	STAR	G. C. No.	FK3 No.	O − G. C. Δα	O − G. C. Δδ	O − FK3 Δα	O − FK3 Δδ
				s	"	s	"
711	BD + 36°, 2139	15089	.....	−0·093	+0·22	.....	.....
712	BD − 9°, 3182	15091	.....	−0·052	−0·15	.....	.....
713	BD + 12°, 2284	15102	.....	+0·005	+0·46	.....	.....
714	58 Leon	15125	1284	−0·016	+0·21	−0·002	+0·03
715	β U. Maj	15145	416	+0·002	+0·31	+0·028	+0·25
716	BD + 62°, 1160	15179	.....	−0·063	−0·05	.....	.....
717	BD − 2°, 3270	15176	1285	−0·011	+0·91	+0·011	+0·89
718	α U. Maj	15185	417	−0·086	+0·30	−0·049	+0·27
719	BD + 32°, 2102	15223	.....	−0·046	+0·52	.....	.....
720	χ Leon	15235	418	−0·011	+0·40	+0·005	+0·29
721	BD − 10°, 3190	15256	1286	−0·042	+0·81	−0·026	+0·85
722	BD + 18°, 2452	15273	.....	−0·024	+0·17	.....	.....
723	BD − 20°, 3347	15274	.....	−0·031	+0·67	.....	.....
724	BD + 72°, 515	15304	.....	−0·037	−0·24	.....	.....
725	BD + 82°, 325	15335	.....	−0·007	+0·32	.....	.....
726	Br. 1541	15319	.....	−0·030	+0·28	.....	.....
727	Br. 1544	15325	.....	+0·009	+0·48	.....	.....
728	ψ U. Maj	15340	420	−0·033	+0·24	−0·012	+0·11
729	BD + 86°, 161	15376	Nη	−0·029	+0·12	+0·134	+0·06
731	BD + 69°, 602	15378	.....	−0·055	+0·28	.....	.....
732	β Crat	15385	421	−0·031	+0·13	−0·023	+0·06
733	Gr. 1746	15399	.....	−0·039	+0·05	.....	.....
734	δ Leon	15438	422	−0·068	−0·30	−0·048	−0·43
735	θ Leon	15441	423	−0·023	+0·19	−0·007	+0·03
736	Br. 1549	15460	.....	−0·020	+0·38	.....	.....
737	BD − 18°, 3141	15469	.....	−0·027	+1·30	.....	.....
738	Br. 1550	15487	.....	−0·003	−0·04	.....	.....
739	BD − 6°, 3344	15514	.....	−0·031	+0·56	.....	.....
740	Br. 1552	15520	.....	−0·023	+0·34	.....	.....
741	Br. 1555	15558	1293	−0·044	+0·84	−0·031	+0·78
742	BD − 0°, 2428	15566	.....	+0·012	+0·01	.....	.....
743	δ Crat	15567	426	−0·012	+0·50	+0·005	+0·39
744	σ Leon	15600	427	−0·003	+0·17	+0·012	−0·03
745	Br. 1565	15677	.....	+0·007	−0·39	.....	.....
747	BD + 27°, 2021	15682	1295	−0·051	−0·08	−0·037	0·00
748	BD + 9°, 2494	15694	.....	+0·009	−0·08	.....	.....
749	BD − 20°, 3420	15704	.....	−0·005	+0·54	.....	.....
750	CD − 27°, 8121	15767	1298	+0·008	+0·57	+0·023	+0·48
751	BD + 30°, 2163	15772	.....	+0·021	+0·42	.....	.....
752	Gr. 1782	15795	.....	−0·033	+0·02	.....	.....
753	λ Drac	15799	433	−0·057	+0·27	−0·040	+0·16
754	Br. 1582	15867	.....	−0·037	+0·36	.....	.....
755	BD + 21°, 2331	15879	.....	−0·029	+0·22	.....	.....
756	BD − 3°, 3144	15878	.....	−0·002	+0·56	.....	.....
757	BD + 11°, 2376	15889	.....	−0·023	+0·71	.....	.....
758	Grl 1803	15932	.....	−0·041	−0·41	.....	.....
759	υ Leon	15927	437	−0·010	+0·28	+0·005	+0·09
760	60 U. Maj	15970	.....	−0·043	+0·58	.....	.....
761	BD − 15°, 3323	16008	.....	−0·027	+0·84	.....	.....
762	BD − 7°, 3271	16027	.....	−0·047	−0·10	.....	.....

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				s	″	s	″
763	BD + 36°, 2216	16127	.....	−0·038	+0·57	.....	
764	χ U. Maj	16137	441	+0·004	+0·06	+0·019	−0·09
765	Gr. 1825	16153	.....	−0·065	+0·33	.....	
766	Gr. 1826	16158	1303	−0·066	+0·24	−0·028	+0·32
767	Br. 1602	16171	.....	−0·036	+0·51	.....	
768	BD + 29°, 2214	16177	.....	−0·032	+0·55	.....	
769	β Leon	16189	444	−0·035	+0·31	−0·020	+0·17
770	β Virg	16215	445	−0·012	+0·36	+0·004	+0·18
771	CD − 26°, 8807	16214	.....	−0·008	+0·88	.....	
772	Pi 11h, 167	16220	1306	−0·018	+0·40	−0·015	+0·20
773	BD − 11°, 3190	16231	.....	−0·012	+2·00	.....	
776	Pi 11h, 170	16255	.....	−0·018	−0·17	.....	
777	γ U. Maj	16268	447	−0·038	+0·14	−0·018	+0·03
778	η Crat	16319	1309	−0·014	+0·27	+0·005	+0·24
779	BD + 41°, 2252	16345	.....	−0·019	+0·41	.....	
780	Gr. 1841	16347	.....	−0·032	+0·41	.....	
781	BD + 33°, 2174	16368	1310	−0·052	+0·30	−0·030	+0·20
782	BD + 20°, 2664	16410	.....	−0·020	+0·29	.....	
783	BD − 9°, 3413	16421	.....	−0·055	−0·11	.....	
784	π Virg	16425	1311	−0·014	+0·15	+0·002	+0·01
785	BD + 13°, 2482	16428	.....	−0·007	+0·40	.....	
786	BD + 65°, 863	16437	.....	−0·140	+0·87	.....	
787	Gr. 1850	16496	Nθ	−0·102	+0·44	−0·170	+0·35
788	o Virg	16512	450	−0·014	+0·42	−0·003	+0·19
789	BD + 49°, 2110	16537	.....	−0·064	+0·31	.....	
790	BD − 11°, 3238	16549	.....	−0·011	+0·07	.....	
791	Pi 11h, 234	16554	.....	−0·011	+0·46	.....	
792	Gr. 1854	16603	.....	−0·018	+0·14	.....	
793	Br. 1627	16616	.....	+0·013	+0·23	.....	
794	Br. 1628	16625	1313	−0·030	+0·16	−0·011	+0·07
795	BD − 1°, 2632	16642	.....	+0·011	+0·39	.....	
796	Br. 1630	16659	.....	−0·006	+0·01	.....	
798	Br. 1635	16693	.....	0·000	+0·22	.....	
799	γ Corv	16740	457	+0·004	+1·13	+0·020	+1·01
800	Gr. 1865	16744	.....	+0·008	+0·21	.....	
801	Br. 1641	16752	.....	−0·026	−0·02	.....	
802	BD − 15°, 3442	16762	.....	+0·002	+0·17	.....	
803	Br. 1672	16763	.....	+0·160	−0·13	.....	
804	BD + 31°, 2350	16789	.....	−0·025	+0·37	.....	
805	Br. 1643	16790	.....	+0·006	+0·25	.....	
806	Br. 1644	16798	1315	−0·020	+0·20	−0·002	+0·01
807	η Virg	16813	460	−0·009	+0·63	+0·005	+0·42
808	Br. 1655	16843	.....	+0·009	−0·03	.....	
809	Br. 1662	16906	.....	−0·036	+0·11	.....	
810	CD − 27°, 8670	16936	1319	−0·031	+0·45	−0·029	+0·63
811	Gr. 1888	16941	.....	−0·058	+0·56	.....	
812	BD + 18°, 2611	16976	.....	−0·041	+0·81	.....	
813	Gr. 1894	16978	.....	−0·039	−0·12	.....	
814	BD + 26°, 2353	17007	.....	−0·021	+0·25	.....	
815	Br. 1673	17012	.....	−0·027	−0·16	.....	

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				s	"	s	"
816	δ Corv	17029	465	−0·033	+0·80	−0·018	+0·56
817	Pi 12h, 105	17039	.....	−0·069	+0·55	.....	.....
818	Pi 12 h, 108	17050	.....	−0·007	+0·22	.....	.....
819	BD + 8°, 2609	17063	.....	+0·004	−0·08	.....	.....
820	Br. 1682	17103	.....	−0·016	+0·55	.....	.....
821	BD − 12°, 3659	17113	1321	−0·006	+0·25	+0·004	+0·14
822	Gr. 1904	17116	.....	−0·054	−0·35	.....	.....
823	β Corv	17133	471	−0·036	+0·24	−0·020	+0·08
824	24 Coma	17147	473	−0·028	+0·05	−0·010	−0·12
825	BD + 46°, 1797	17171	.....	−0·039	+0·90	.....	.....
826	25 Virg	17180	1324	−0·029	+0·14	−0·021	0·00
827	Pi 12h, 142	17209	.....	−0·034	+0·39	.....	.....
828	BD − 17°, 3668	17216	.....	−0·003	+0·48	.....	.....
829	χ Virg	17227	475	−0·009	+0·38	+0·002	+0·23
830	Br. 1695	17225	.....	−0·018	+0·06	.....	.....
831	BD + 34°, 2344	17285	.....	−0·044	+0·12	.....	.....
832	BD − 2°, 3567	17319	.....	−0·018	−0·02	.....	.....
833	Gr. 1927	17347	.....	−0·069	−0·31	.....	.....
834	CD − 24°, 10540	17380	1329	+0·008	+1·16	+0·006	+1·17
835	CD − 26°, 9340	17391	.....	−0·058	−0·32	.....	.....
836	Br. 1711	17410	.....	−0·071	−0·04	.....	.....
837	31 Coma	17455	1332	−0·026	−0·04	−0·016	−0·19
838	Br. 1716	17464	1333	−0·043	+0·27	−0·025	+0·03
839	32^2 H. Caml	17443	.....	−0·101	−0·12	.....	.....
840	BD + 17°, 2553	17466	.....	−0·011	−0·80	.....	.....
841	BD − 17°, 3726	17506	1334	−0·031	+0·20	−0·011	+0·06
842	Br. 1720	17502	.....	−0·006	−0·14	.....	.....
844	ε U. Maj	17518	483	−0·030	+0·53	−0·014	+0·33
845	BD + 0°, 3002	17542	.....	+0·015	+0·18	.....	.....
846	δ Virg	17543	484	−0·026	+0·28	−0·014	+0·08
847	BD − 14°, 3605	17548	.....	+0·002	+0·91	.....	.....
848	α C. Ven	17557	485	−0·070	+0·83	−0·057	+0·65
849	Br. 1726	17567	.....	−0·064	+0·46	.....	.....
850	Gr. 1938	17572	.....	−0·064	−0·04	.....	.....
851	BD − 6°, 3705	17599	.....	−0·014	−0·09	.....	.....
852	Br. 1729	17631	1336	−0·055	−0·11	−0·037	−0·27
853	BD + 76°, 473	17637	.....	−0·031	+0·07	.....	.....
854	BD + 32°, 2311	17652	.....	−0·033	−0·18	.....	.....
855	Br. 1736	17664	.....	−0·023	+0·14	.....	.....
856	ε Virg	17687	488	+0·002	−0·15	+0·018	−0·33
857	BD + 23°, 2530	17699	.....	−0·032	+0·42	.....	.....
858	BD − 13°, 3651	17746	.....	−0·042	−0·09	.....	.....
859	Gr. 1956	17758	1338	−0·027	+0·03	−0·005	−0·03
860	Br. 1743	17787	.....	−0·023	−0·24	.....	.....
861	BD − 22°, 3513	17806	.....	−0·048	+0·49	.....	.....
862	ψ Hyda	17813	.....	−0·061	+0·39	.....	.....
863	BD + 6°, 2697	17811	.....	+0·031	+0·46	.....	.....
864	θ Virg	17828	490	−0·014	+0·22	−0·001	+0·03
865	BD + 17°, 2595	17825	.....	−0·025	+0·66	.....	.....
866	Gr. 1965	17837	.....	−0·022	+0·04	.....	.....

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				s	"	s	"
867	CD − 25°, 9653	17861	1341	−0·021	+0·44	+0·022	+0·41
868	β Coma	17874	492	−0·035	+0·53	−0·026	+0·44
869	Gr. 1974	17934	.....	−0·145	+0·47	.....	.....
870	Gr. 1977	17932	.....	−0·023	−0·15	.....	.....
871	BD + 20°, 2814	17970	.....	+0·016	−0·14	.....	.....
872	Br. 1760	17975	.....	−0·044	+0·22	.....	.....
873	BD − 7°, 3582	17996	.....	−0·026	+0·41	.....	.....
874	σ Virg	17995	1344	−0·024	+0·20	−0·013	−0·03
875	BD + 4°, 2721	18015	.....	+0·008	+0·52	.....	.....
876	BD + 35°, 2435	18023	.....	−0·034	−0·03	.....	.....
877	23 C. Ven	18048	1346	−0·038	+0·27	−0·024	+0·15
878	BD − 20°, 3818	18120	.....	−0·030	+0·05	.....	.....
879	ζ U. Maj	18133	497	−0·048	+0·41	−0·023	+0·18
880	α Virg	18144	498	−0·002	+0·70	+0·001	+0·57
881	BD + 16°, 2508	18154	.....	−0·018	+0·02	.....	.....
882	BD − 0°, 2686	18163	.....	+0·002	−0·02	.....	.....
883	BD − 11°, 3516	18168	1348	−0·051	−0·04	−0·036	−0·14
884	BD + 31°, 2493	18214	1350	−0·007	+0·01	+0·002	−0·16
885	BD + 53°, 1622	18213	.....	−0·009	−0·04	.....	.....
886	BD + 7°, 2655	18249	.....	−0·008	+0·21	.....	.....
887	BD + 27°, 2262	18273	.....	−0·060	+0·06	.....	.....
888	CD − 28°, 10128	18295	.....	−0·001	+0·70	.....	.....
889	Br. 1786	18309	.....	−0·027	+0·41	.....	.....
890	ζ Virg	18351	501	−0·014	+0·35	+0·001	+0·17
891	Br. 1791	18356	.....	−0·057	+0·43	.....	.....
892	BD + 44°, 2285	18370	1353	−0·057	+0·21	−0·030	+0·01
893	BD + 3°, 2799	18419	.....	+0·018	+0·52	.....	.....
894	BD + 23°, 2591	18433	.....	−0·055	+0·13	.....	.....
895	BD + 11°, 2589	18466	.....	−0·002	+0·44	.....	.....
896	BD − 15°, 3715	18468	.....	0·000	+0·36	.....	.....
897	Pi 13h, 159	18502	1354	−0·015	+0·21	−0·006	+0·01
898	Br. 1802	18504	.....	−0·024	−0·14	.....	.....
899	Pi 13h, 184	18527	.....	+0·004	+0·04	.....	.....
900	BD + 35°, 2474	18539	.....	−0·044	+0·02	.....	.....
901	Pi 13h, 174	18562	.....	−0·018	+0·21	.....	.....
902	BD − 11°, 3591	18604	.....	−0·006	+0·11	.....	.....
903	Br. 1808	18623	1358	−0·046	+0·40	−0·028	+0·29
904	τ Boot	18637	507	−0·033	+0·33	−0·019	+0·14
905	Gr. 2063	18611	Nι	−0·203	+0·09	−0·203	+0·23
906	η U. Maj	18643	509	+0·008	+0·36	+0·020	+0·22
907	CD − 28°, 10277	18681	.....	−0·064	+0·34	.....	.....
908	BD + 9°, 2814	18680	1359	−0·005	−0·21	−0·004	−0·42
909	BD + 19°, 2719	18692	.....	−0·030	+0·20	.....	.....
910	Gr. 2055	18704	.....	−0·057	+0·12	.....	.....
911	BD + 40°, 2701	18742	.....	−0·046	−0·09	.....	.....
912	η Boot	18805	513	−0·034	+0·20	−0·020	+0·01
913	BD − 8°, 3667	18823	.....	+0·007	+0·06	.....	.....
914	BD + 14°, 2680	18830	.....	−0·039	+0·47	.....	.....
915	BD + 32°, 2411	18843	1360	−0·012	−0·08	+0·007	−0·25
916	Br. 1828	18900	.....	−0·021	+0·46	.....	.....

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				s	"	s	"
917	Pi 13h, 269	18919	1362	−0·011	+0·82	+0·001	+0·59
918	τ Virg	18945	516	−0·019	+0·56	−0·003	+0·33
919	BD − 16°, 3785	18974	.....	−0·007	−0·15	.....	.....
920	BD − 21°, 3824	18986	.....	−0·058	+0·82	.....	.....
921	BD + 5°, 2836	18993	.....	−0·026	−0·01	.....	.....
922	Pi 13h, 296	18990	.....	+0·001	+0·14	.....	.....
923	Pi 13h, 286	18999	1365	−0·018	+0·32	−0·005	+0·22
924	π Hyda	19029	519	−0·012	+0·63	0·000	+0·45
925	α Drac	19019	521	−0·045	−0·07	+0·004	−0·15
927	BD + 39°, 2720	19048	1367	−0·030	−0·02	−0·020	−0·28
928	Br. 1838	19095	.....	−0·019	+0·25	.....	.....
929	CD − 30°, 11209	19111	.....	0·000	+0·01	.....	.....
930	Br. 1837	19163	.....	−0·033	+0·35	.....	.....
931	κ Virg	19168	523	−0·021	+0·75	−0·007	+0·52
932	Gr. 2091	19189	.....	−0·071	−0·55	.....	.....
933	BD + 4°, 2841	19223	.....	−0·008	+0·07	.....	.....
934	BD + 22°, 2678	19224	.....	−0·017	+0·11	.....	.....
935	ι Virg	19244	525	−0·014	+0·09	−0·004	−0·11
936	α Boot	19242	526	−0·024	+0·37	−0·007	+0·07
937	λ Boot	19273	527	−0·071	+0·53	−0·051	+0·28
938	BD + 57°, 1498	19267	.....	−0·039	+0·30	.....	.....
940	BD − 6°, 3964	19289	.....	+0·006	+0·57	.....	.....
941	BD − 18°, 3789	19295	1369	−0·027	+0·37	−0·014	+0·16
942	λ Virg	19311	1371	−0·008	+0·76	0·000	+0·67
943	BD + 13°, 2782	19319	1372	−0·018	+0·19	−0·008	+0·05
944	Gr. 2098	19322	.....	−0·037	−0·22	.....	.....
945	BD + 31°, 2605	19345	.....	−0·045	+0·03	.....	.....
946	BD + 8°, 2857	19417	.....	−0·026	+0·51	.....	.....
947	Pi 14h 68	19435	1376	−0·019	+0·55	−0·017	+0·48
948	BD − 12°, 4042	19446	.....	+0·007	+0·49	.....	.....
949	θ Boot	19467	531	+0·005	+0·26	+0·019	+0·06
950	φ Virg	19504	533	−0·008	+0·33	−0·003	+0·13
951	CD − 28°, 10724	19520	.....	+0·047	+0·42	.....	.....
952	BD + 36°, 2495	19519	.....	−0·052	−0·07	.....	.....
953	BD + 28°, 2332	19522	.....	−0·007	−0·45	.....	.....
954	ρ Boot	19597	534	−0·033	−0·11	−0·015	−0·37
955	γ Boot	19607	535	−0·061	+0·31	−0·047	+0·17
956	BD + 81°, 482	19630	.....	+0·081	−0·59	.....	.....
957	Gr. 2132	19660	.....	−0·119	−0·30	.....	.....
958	BD + 50°, 2095	19668	.....	−0·011	−0·08	.....	.....
959	BD + 23°, 2710	19687	.....	−0·044	+0·39	.....	.....
960	Pi 14h, 127	19695	1381	−0·028	−0·09	−0·031	−0·17
961	BD + 2°, 2844	19704	.....	−0·027	+0·35	.....	.....
962	Pi 14h, 156	19742	.....	−0·028	+0·10	.....	.....
963	Br. 1879	19793	1382	−0·044	+0·94	−0·025	+0·77
964	BD − 18°, 3882	19806	.....	−0·051	+0·65	.....	.....
965	μ Virg	19816	545	−0·009	+0·56	+0·006	+0·45
966	BD − 7°, 3897	19836	.....	−0·011	+0·30	.....	.....
967	ϵ Boot	19856	.....	−0·050	+0·18	.....	.....
968	BD − 22°, 3844	19871	.....	−0·037	+0·65	.....	.....

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969	BD + 33°, 2489	19867	1384	−0·070	−0·18	−0·055	−0·18
970	109 Virg	19884	547	−0·016	+0·62	−0·006	+0·30
971	BD + 15°, 2758	19885	.....	−0·054	+0·24	.....	.....
972	Br. 1886	19904	1385	−0·039	−0·13	−0·024	−0·58
973	BD − 0°, 2886	19932	.....	−0·044	+0·04	.....	.....
974	α^1 Libr	19970	1387	−0·007	+1·64	+0·003	+1·52
975	α^2 Libr	19975	548	−0·035	+0·66	−0·022	+0·47
976	Pi 14^h, 193	19966	.....	−0·051	+0·57	.....	.....
977	Gr. 2154	19982	.....	−0·053	+0·56	.....	.....
978	CD − 30°, 11780	19999	.....	−0·023	+0·28	.....	.....
979	BD + 6°, 2957	20039	1388	+0·039	−0·06	+0·052	−0·42
980	β U. Min	20029	550	−0·084	−0·21	−0·026	−0·35
981	BD + 41°, 2539	20097	.....	−0·038	−0·14	.....	.....
982	BD + 22°, 2764	20120	1392	−0·037	−0·17	−0·030	−0·35
983	Br. 1908	20122	1393	−0·019	+0·56	+0·001	+0·30
984	Pi 14^h, 223	20130	.....	+0·003	+0·13	.....	.....
985	BD + 14°, 2812	20147	.....	−0·007	−0·04	.....	.....
986	Gr. 2196	20087	Nκ	−0·005	−0·13	−0·001	−0·18
987	δ Libr	20195	1394	+0·009	+0·45	+0·016	+0·30
988	BD − 7°, 3943	20215	.....	−0·038	+0·27	.....	.....
989	β Boot	20226	555	−0·047	+0·26	−0·031	−0·01
990	BD + 72°, 664	20236	.....	−0·092	−0·03	.....	.....
991	Gr. 2283	20088	.....	−0·354	+0·07	.....	.....
992	BD − 21°, 4030	20305	.....	+0·027	+0·47	.....	.....
993	BD − 12°, 4198	20310	.....	−0·028	+0·68	.....	.....
994	Br. 1925	20308	1395	−0·039	+0·44	−0·017	+0·12
995	BD + 19°, 2924	20340	.....	−0·061	+0·34	.....	.....
996	BD + 6°, 3001	20346	.....	−0·087	+0·21	.....	.....
997	Br. 1926	20367	.....	−0·023	+0·74	.....	.....
998	BD + 34°, 2604	20369	.....	−0·072	+0·42	.....	.....
999	BD − 4°, 3818	20384	.....	+0·017	+0·48	.....	.....
1000	CD − 25°, 10758	20389	.....	−0·041	+1·08	.....	.....
1001	Gr. 2194	20380	.....	−0·016	+0·73	.....	.....
1002	Gr. 2197	20381	.....	−0·050	+0·20	.....	.....
1003	Gr. 2205	20492	.....	−0·045	+0·30	.....	.....
1004	β Libr	20539	564	−0·020	+0·75	−0·007	+0·55
1005	BD + 37°, 2625	20543	.....	−0·052	+0·85	.....	.....
1006	BD + 69°, 789	20544	.....	−0·096	+0·30	.....	.....
1007	Pi 15h, 36	20575	1400	−0·006	+0·24	+0·009	+0·05
1008	BD + 10°, 2823	20579	1401	−0·040	+0·61	−0·022	+0·37
1009	Br. 1939	20628	.....	−0·049	+0·69	.....	.....
1010	BD − 6°, 4181	20638	.....	+0·020	+0·32	.....	.....
1011	Br. 1940	20637	.....	+0·043	+0·52	.....	.....
1012	CD − 26°, 10842	20678	1404	−0·065	+0·80	−0·067	+0·68
1013	Pi 15^h, 54	20695	.....	−0·035	+0·17	.....	.....
1014	Br. 1945	20697	1406	−0·012	+0·54	0·000	+0·29
1015	γ U. Min	20692	569	−0·083	+0·11	−0·036	−0·07
1016	Pi 15^h, 83	20786	.....	−0·039	+0·14	.....	.....
1017	BD − 20°, 4246	20834	.....	−0·019	+0·71	.....	.....
1018	Gr. 2240	20833	.....	−0·031	+0·83	.....	.....

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1019	BD + 9°, 3055	20850	1408	−0·029	+0·65	−0·011	+0·33
1020	BD + 31°, 2742	20848	.....	−0·043	+0·16	.....	.....
1021	γ Libr.	20949	577	−0·025	+1·01	−0·011	+0·80
1022	α Cor. B.	20947	578	−0·056	+0·14	−0·040	−0·16
1023	BD + 11°, 2826	20968	.....	+0·083	+0·13	.....	.....
1024	θ U. Min.	20952	.....	−0·114	+0·15	.....	.....
1025	BD + 81°, 517	20951	.....	−0·014	+0·12	.....	.....
1026	Br. 1975	21031	.....	−0·043	+1·10	.....	.....
1028	Pi 15^h, 153	21044	1412	−0·045	+0·46	−0·030	+0·17
1029	BD + 35°, 2711	21048	.....	−0·036	+0·68	.....	.....
1030	BD − 5°, 4143	21095	.....	−0·001	+0·90	.....	.....
1031	Br. 1987	21129	.....	+0·005	+0·77	.....	.....
1032	ψ Serp.	21155	.....	+0·038	+0·37	.....	.....
1033	α Serp.	21158	582	+0·007	+0·35	+0·017	0·00
1034	Gr. 2270	21154	.....	−0·055	+0·45	.....	.....
1035	Br. 1993	21164	.....	−0·011	+0·65	.....	.....
1036	CD − 27°, 10550	21182	.....	+0·034	+0·82	.....	.....
1037	β Serp.	21194	583	−0·029	+0·54	−0·018	+0·25
1038	λ Serp.	21201	.....	−0·004	−0·27	.....	.....
1039	CD − 23°, 12525	21235	.....	+0·015	+1·36	.....	.....
1040	Br. 1999	21251	.....	−0·001	+0·34	.....	.....
1041	R C. Bor.	21257	.....	−0·033	−0·26	.....	.....
1042	μ Serp.	21269	585	−0·021	+0·53	−0·011	+0·42
1043	ζ U. Min.	21243	590	−0·021	+0·04	+0·047	−0·01
1044	ε Serp.	21288	588	−0·019	+0·64	−0·011	+0·33
1045	Gr. 2315	21295	Nλ	−0·073	+0·60	+0·028	+0·51
1046	Pi 15^h, 212	21368	.....	−0·050	+0·08	.....	.....
1047	γ Serp.	21408	591	−0·036	+0·45	−0·025	+0·23
1048	φ Serp.	21428	.....	−0·019	+0·40	.....	.....
1049	π Scor.	21447	592	−0·013	+0·95	−0·002	+0·67
1050	BD − 5°, 4210	21487	.....	−0·016	−0·03	.....	.....
1051	δ Scor.	21489	594	−0·078	+0·50	−0·071	+0·32
1052	BD + 31°, 2805	21519	.....	−0·048	−0·18	.....	.....
1053	CD − 28°, 11817	21540	.....	−0·058	+0·39	.....	.....
1054	Pi 15^h, 237	21556	.....	−0·053	+0·63	.....	.....
1055	Pi 15h, 266	21590	.....	−0·048	+0·70	.....	.....
1056	β Scor.	21609	597	−0·051	+1·28	−0·41	+1·09
1057	BD + 59°, 1697	21604	.....	−0·091	−0·25	.....	.....
1058	Br. 2042	21667	.....	−0·004	+0·67	.....	.....
1059	CD − 23°, 12731	21694	.....	−0·027	+0·72	.....	.....
1060	κ Herc.	21696	1421	−0·014	+0·50	−0·008	+0·30
1061	BD + 6°, 3169	21724	1422	+0·001	+0·19	+0·015	−0·44
1062	BD + 45°, 2374	21715	.....	−0·028	+0·32	.....	.....
1063	BD + 41°, 2673	21743	.....	−0·054	+0·11	.....	.....
1064	BD + 27°, 2595	21751	.....	−0·035	−0·36	.....	.....
1065	BD − 1°, 3149	21826	.....	−0·007	+0·51	.....	.....
1066	δ Ophi.	21838	603	−0·005	+0·76	+0·007	+0·55
1067	13 Herc.	21858	.....	−0·021	+0·75	.....	.....
1068	Br. 2067	21864	.....	+0·068	+0·13	.....	.....
1069	Br. 2075	21887	1425	−0·026	+0·51	−0·013	+0·26

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1070	Pi 16h, 31	21910	.....	−0·005	+0·74	.....	
1071	Gr. 2325	21897	.....	−0·064	+0·58	.....	
1072	ε Ophi	21920	605	−0·012	+0·38	−0·004	+0·13
1073	Br. 2099	21880	.....	−0·132	+0·61	.....	
1074	BD + 32°, 2702	21924	.....	−0·041	+0·13	.....	
1075	BD − 18°, 4260	21950	.....	+0·018	+1·02	.....	
1076	σ Scor	21982	607	−0·008	+1·42	−0·001	+1·19
1077	τ Herc	21987	608	−0·010	+0·28	0·000	+0·06
1078	σ Serp	22007	1427	+0·040	+0·68	+0·043	+0·54
1079	γ Herc	22012	609	−0·020	+0·37	−0·005	+0·17
1080	BD − 2°, 4179	22064	.....	+0·024	−0·20	.....	
1081	η Drac	22101	615	−0·036	−0·04	−0·011	−0·18
1082	α Scor	22157	616	−0·085	+0·47	−0·080	+0·17
1083	BD − 14°, 4433	22171	1430	−0·012	+0·84	−0·006	+0·65
1084	BD + 29°, 2834	22165	.....	−0·025	+0·19	.....	
1085	CD − 27°, 10967	22178	.....	+0·009	+1·22	.....	
1086	Br. 2092	22179	.....	−0·012	+1·10	.....	
1087	BD + 6°, 3236	22183	.....	+0·010	+0·98	.....	
1088	β Herc	22193	618	−0·016	+0·34	−0·009	+0·14
1090	BD + 35°, 2828	22224	.....	−0·072	+0·50	.....	
1091	τ Scor	22303	620	−0·040	+1·05	−0·032	+0·84
1092	Pi 16h, 140	22281	1432	−0·064	+0·74	−0·036	+0·53
1093	BD + 17°, 3053	22314	.....	−0·016	+0·09	.....	
1094	ζ Ophi	22332	622	−0·014	+0·87	−0·001	+0·66
1095	BD + 23°, 2965	22345	.....	−0·009	+0·11	.....	
1096	Gr. 2362	22344	.....	−0·072	+0·50	.....	
1097	BD − 6°, 4467	22360	.....	−0·035	+0·31	.....	
1098	BD + 13°, 3177	22361	.....	−0·029	−0·03	.....	
1100	BD + 80°, 519	22337	.....	−0·072	−0·36	.....	
1101	Gr. 2369	22398	.....	−0·073	+0·37	.....	
1102	Pi 16h, 159	22520	.....	−0·007	+1·51	.....	
1103	η Herc	22502	626	−0·047	+0·55	−0·037	+0·21
1104	Pi 16h, 177	22522	.....	−0·039	+0·46	.....	
1105	Br. 2131	22560	.....	+0·005	+0·34	.....	
1106	Br. 2135	22592	1436	−0·010	+0·33	+0·004	+0·08
1107	BD − 4°, 4165	22622	.....	+0·008	+0·64	.....	
1108	BD − 21°, 4422	22629	1437	−0·036	+0·68	−0·021	+0·53
1109	BD + 53,° 1897	22672	.....	−0·050	+0·02	.....	
1110	Br. 2145	22682	.....	−0·034	−0·02	.....	
1111	BD + 18°, 3261	22732	.....	−0·012	+0·17	.....	
1113	Br. 2146	22783	.....	−0·032	+0·24	.....	
1114	ε U. Min	22749	N*g*	−0·055	+0·20	+0·031	+0·04
1115	BD + 14°, 3155	22861	.....	+0·005	+0·38	.....	
1116	κ Ophi	22862	633	0·000	+0·76	+0·009	+0·51
1117	BD + 24°, 3095	22870	.....	−0·044	+0·97	.....	
1118	Gr. 2406	22843	.....	−0·104	+0·25	.....	
1119	Br. 2169	22871	.....	−0·149	+0·07	.....	
1120	ε Herc	22935	634	−0·045	+0·16	−0·034	−0·18
1121	Br. 2158	22951	.....	−0·015	+0·68	.....	
1122	BD + 19°, 3218	23028	.....	+0·023	+1·85	.....	

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1123	Pi 16h, 292	23046	.....	−0·022	+0·40	.....	.....
1124	Br. 2162	23065	.....	−0·024	+0·78	.....	.....
1125	Pi 16h, 284	23081	1447	−0·058	+1·13	−0·049	+1·02
1126	Pi 16h, 307	23073	1448	−0·039	+0·59	−0·032	+0·34
1127	Pi 16h, 310	23071	.....	−0·067	+0·43	.....	.....
1128	Pi 16h, 303	23120	.....	+0·013	+0·27	.....	.....
1129	BD + 31°, 2967	23127	.....	−0·069	−0·03	.....	.....
1130	BD + 28°, 2667	23135	.....	−0·028	+0·41	.....	.....
1131	η Ophi	23158	637	−0·011	+0·90	−0·005	+0·70
1132	BD − 14°, 4565	23194	.....	+0·016	+0·66	.....	.....
1133	BD + 8°, 3367	23199	1451	−0·010	+0·89	−0·004	+0·63
1134	BD + 21°, 3070	23248	.....	−0·031	+0·19	.....	.....
1135	α^1 Herc	23277	640	−0·024	+0·39	−0·012	+0·15
1136	BD − 9°, 4525	23293	.....	−0·005	+0·08	.....	.....
1137	Pi 17h, 61	23266	.....	−0·093	+0·51	.....	.....
1138	BD + 1°, 3408	23317	1453	−0·006	+0·28	+0·007	+0·13
1139	BD + 39°, 3098	23352	.....	−0·040	+0·21	.....	.....
1140	Br. 2191	23382	.....	−0·004	+0·10	.....	.....
1141	Pi 17h, 43	23396	.....	+0·008	+0·20	.....	.....
1142	Gr. 2437	23397	.....	−0·036	−0·24	.....	.....
1143	θ Ophi	23451	644	−0·018	+0·90	−0·012	+0·73
1144	Pi 17h, 76	23533	.....	−0·021	+0·98	.....	.....
1145	BD − 1°, 3329	23598	1458	−0·006	+1·20	−0·008	+1·05
1146	BD + 16°, 3183	23603	.....	−0·062	+0·25	.....	.....
1147	BD + 50°, 2400	23591	.....	−0·067	+0·69	.....	.....
1148	BD + 7°, 3368	23614	.....	−0·018	+1·02	.....	.....
1149	σ Ophi	23621	1459	−0·002	+0·43	+0·008	+0·21
1150	Pi 17h, 90	23627	.....	−0·061	+0·75	.....	.....
1151	BD + 27°, 2809	23619	.....	−0·018	+0·06	.....	.....
1152	BD + 58°, 1731	23654	.....	−0·070	+0·28	.....	.....
1153	Gr. 2456	23599	.....	−0·117	−0·38	.....	.....
1154	β Drac	23741	653	−0·067	+0·00	−0·046	−0·28
1155	BD − 5°, 4461	23788	.....	+0·001	+0·65	.....	.....
1156	BD − 11°, 4411	23816	1461	+0·006	+0·10	+0·012	−0·06
1157	α Ophi	23837	656	−0·015	+0·38	−0·007	+0·09
1158	BD + 41°, 2856	23845	.....	−0·058	+0·65	.....	.....
1159	BD + 12°, 3256	23853	.....	+0·000	+0·67	.....	.....
1160	Pi 17h, 156	23882	.....	−0·013	+0·94	.....	.....
1161	BD + 30°, 3033	23879	.....	−0·031	+0·68	.....	.....
1162	Br. 2223	23901	.....	−0·052	+0·27	.....	.....
1163	Br. 2227	23894	.....	−0·037	+0·83	.....	.....
1164	BD + 3°, 3465	23929	.....	−0·017	+0·14	.....	.....
1165	BD + 36°, 2912	23921	.....	−0·090	+0·32	.....	.....
1166	ι Herc	23965	663	−0·059	+0·28	−0·048	+0·07
1167	β Ophi	24048	665	−0·012	+0·36	−0·008	+0·09
1168	BD − 22°, 4423	24147	.....	−0·009	+1·91	.....	.....
1169	BD − 14°, 4770	24148	.....	−0·027	+1·27	.....	.....
1170	μ Herc	24138	667	−0·035	+0·59	−0·029	+0·41
1171	Pi 17h, 223	24160	.....	−0·009	+2·05	.....	.....
1172	BD + 17°, 3334	24150	.....	−0·053	+0·58	.....	.....

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1173	γ Ophi	24162	668	−0·005	+0·60	−0·006	+0·30
1174	Br. 2239	24199	.....	−0·038	+0·19	.....	.....
1175	BD + 9°, 3485	24219	1466	−0·029	+0·56	−0·006	+0·28
1176	BD + 80°, 555	24180	.....	+0·037	+0·12	.....	.....
1177	BD − 1°, 3412	24271	.....	+0·028	+0·59	.....	.....
1178	BD − 7°, 4523	24356	1467	+0·010	+0·99	+0·014	+0·80
1179	BD + 22°, 3237	24392	.....	−0·040	+0·04	.....	.....
1180	BD + 55°, 1995	24410	.....	−0·025	+0·66	.....	.....
1181	BD + 33°, 2995	24437	.....	−0·072	−0·20	.....	.....
1182	γ Drac	24432	676	−0·067	+0·21	−0·050	+0·02
1183	ν Ophi	24468	673	−0·010	+0·79	−0·007	+0·66
1184	BD + 14°, 3374	24461	.....	−0·048	−0·16	.....	.....
1185	BD + 62°, 1586	24455	.....	−0·026	+0·86	.....	.....
1186	BD + 62°, 1587	24458	.....	−0·045	+0·29	.....	.....
1187	BD + 52°, 2119	24489	.....	−0·019	+0·28	.....	.....
1188	δ U. Min	24236	N*h*	−0·199	+0·24	−0·052	+0·04
1189	Br. 2257	24500	.....	−0·011	+1·15	.....	.....
1190	67 Ophi	24509	677	−0·005	+0·36	+0·005	+0·26
1191	6 Sgtr	24517	1470	+0·005	+1·48	+0·016	+1·40
1192	Gr. 2500	24581	.....	−0·034	+0·41	.....	.....
1193	γ Sgtr	24632	679	−0·037	+0·93	−0·023	+0·68
1194	BD + 39°, 3310	24628	.....	−0·054	+0·53	.....	.....
1195	Pi 17h, 356	24678	.....	−0·002	+0·70	.....	.....
1196	Pi 17h, 359	24694	.....	+0·009	+1·35	.....	.....
1197	72 Ophi	24695	680	−0·022	+0·58	−0·012	+0·37
1198	BD + 15°, 3365	24699	.....	+0·000	+0·28	.....	.....
1199	BD − 2°, 4558	24726	.....	−0·012	+0·81	.....	.....
1200	Bɪ. 2279	24720	.....	−0·021	−0·28	.....	.....
1201	Gr. 2518	24722	.....	+0·010	+0·40	.....	.....
1202	BD − 13°, 4863	24750	1472	+0·001	+0·57	+0·010	+0·37
1203	Br. 2321	24669	.....	−0·038	+0·16	.....	.....
1204	BD + 6°, 3639	24759	.....	+0·001	+0·69	.....	.....
1205	μ Sgtr	24856	682	−0·018	+0·24	−0·014	+0·17
1206	BD − 17°, 5112	24946	.....	−0·034	+0·53	.....	.....
1207	BD + 30°, 3162	24933	.....	−0·032	+0·31	.....	.....
1208	Br. 2292	24952	1475	−0·003	+1·10	+0·005	+0·95
1209	BD + 13°, 3593	24977	.....	−0·028	+0·48	.....	.....
1210	Br. 2300	25003	.....	−0·029	+0·88	.....	.....
1211	δ Sgtr	25024	687	−0·014	+0·61	−0·009	+0·37
1212	Br. 2299	25036	1476	+0·003	+0·26	+0·016	+0·08
1213	η Serp	25046	688	+0·003	+0·53	+0·008	+0·37
1214	109 Herc	25116	690	−0·008	+0·36	−0·009	+0·00
1215	Br. 2303	25132	.....	−0·002	+0·45	.....	.....
1216	BD + 7°, 3682	25153	1478	−0·022	+0·42	−0·003	+0·31
1217	BD + 29°, 3259	25165	1479	−0·004	+0·69	+0·016	+0·57
1218	λ Sgtr	25180	692	+0·028	+1·53	+0·030	+1·30
1219	CD − 26°, 13192	25184	.....	−0·049	+1·16	.....	.....
1220	γ Scut	25220	696	+0·005	+0·70	+0·001	+0·62
1221	BD − 10°, 4713	25282	.....	+0·022	+0·84	.....	.....
1222	BD + 16°, 3529	25284	1481	−0·017	+0·48	−0·010	+0·27

Cat No	STAR	G. C No	FK3 No.	O – G C Δα	O – G C Δδ	O – FK3 Δα	O – FK3 Δδ
				s	"	s	"
1223	Gr. 2589	25301	.....	−0·063	+0·38	.....	.....
1224	Gr. 2596	25352	.....	−0·054	−0·05	.....	.....
1225	Gr. 2601	25343	.....	−0·042	+0·36	.....	.....
1226	BD + 20°, 3847	25371	.....	+0·006	+0·35	.....	.....
1227	α Scut.	25385	1482	−0·005	+0·72	+0·002	+0·56
1228	BD + 10°, 3573	25381	.....	−0·022	+0·76	.....	.....
1229	Br. 2340	25362	.....	−0·025	+0·41	.....	.....
1230	Gr. 2603	25379	1483	−0·046	+0·04	−0·043	−0·10
1231	BD + 67°, 1079	25383	.....	−0·087	+0·26	.....	.....
1232	BD + 0°, 3975	25437	.....	+0·001	+0·67	.....	.....
1233	Pi 18h, 128	25452	.....	+0·007	+0·58	.....	.....
1234	Br. 2412	25334	Nμ	−0·054	+0·24	+0·069	+0·13
1235	α Lyra	25466	699	−0·023	+0·51	−0·013	+0·44
1236	Pi 18h, 174	25519	.....	−0·112	+0·25	.....	.....
1237	δ Scut.	25580	1486	+0·003	+0·72	+0·006	+0·54
1238	BD + 31°, 3332	25583	.....	−0·032	+0·14	.....	.....
1239	Pi 18h, 155	25636	.....	−0·011	+0·97	.....	.....
1240	φ Sgtr.	25661	1487	−0·046	+0·53	−0·040	+0·37
1241	Br. 2345	25687	.....	−0·030	+0·30	.....	.....
1242	β Scut.	25730	1489	+0·009	+0·33	+0·013	+0·17
1243	BD + 18°, 3817	25729	.....	−0·023	+0·41	.....	.....
1244	BD − 13°, 5119	25827	.....	+0·008	+0·32	.....	.....
1245	BD + 7°, 3862	25840	.....	+0·031	−0·09	.....	.....
1246	BD + 26°, 3368	25838	.....	−0·027	+0·05	.....	.....
1247	7 Aqil.	25855	.....	+0·021	+0·09	.....	.....
1248	β Lyra	25847	705	−0·028	+0·16	−0·014	−0·09
1249	Br. 2362	25862	.....	+0·001	+0·24	.....	.....
1250	CD − 29°, 15449	25880	.....	+0·019	+1·47	.....	.....
1251	Br. 2371	25895	.....	−0·013	+0·41	.....	.....
1252	σ Sgtr.	25941	706	−0·007	+2·02	−0·009	+1·89
1253	δ^1 Lyra	25934	.....	−0·034	+0·29	.....	.....
1254	BD − 16°, 5078	25955	1495	−0·009	+0·70	+0·001	+0·64
1255	θ Serp.	25991	709	−0·003	+0·29	−0·001	−0·07
1256	λ U. Min.	25111	Ni	−0·164	+0·17	+0·258	+0·17
1257	Br. 2375	26013	.....	−0·008	+0·17	.....	.....
1258	Br. 2379	26020	.....	−0·034	+0·25	.....	.....
1259	Br. 2385	26064	.....	+0·020	+0·64	.....	.....
1260	γ Lyra	26086	713	−0·037	+0·35	−0·032	+0·22
1261	ε Aqil.	26091	712	+0·000	+0·16	+0·000	+0·06
1262	Gr. 2727	26087	.....	−0·011	+0·26	.....	.....
1263	ζ Sgtr.	26161	715	−0·019	+1·62	−0·014	+1·49
1264	BD + 19°, 3888	26198	.....	−0·008	+0·38	.....	.....
1265	CD − 23°, 15008	26210	.....	−0·009	−0·13	.....	.....
1266	ζ Aqil.	26270	716	+0·014	+0·53	+0·022	+0·26
1267	BD + 82°, 572	26155	.....	−0·006	+0·34	.....	.....
1268	λ Aqil.	26285	717	+0·002	+0·04	+0·002	−0·10
1269	Gr. 2759	26268	.....	−0·063	−0·12	.....	.....
1270	BD − 1°, 3649	26300	1497	+0·020	+0·38	+0·019	+0·15
1271	Pi 18h, 318	26317	1498	−0·038	+0·45	−0·036	+0·30
1272	π Sgtr.	26386	720	+0·020	+0·63	+0·017	+0·56

Cat. No.	STAR	G. C. No.	FK3 No	O – G. C. Δα	O – G. C. Δδ	O – FK3 Δα	O – FK3 Δδ
				s	″	s	″
1273	Br. 2410	26379	.....	−0·001	+0·41	.....	.....
1274	BD − 12°, 5311	26469	.....	+0·005	+0·01	.....	.....
1275	Br. 2433	26475	.....	−0·035	+0·58	.....	.....
1276	ψ Sgtr	26516	.....	−0·060	+0·45	.....	.....
1277	Br. 2425	26542	.....	−0·061	−0·14	.....	.....
1278	δ Drac	26520	723	−0·051	−0·10	−0·018	−0·30
1279	43 Sgtr	26589	722	−0·016	+0·38	−0·018	+0·22
1280	ω Aqil	26609	725	−0·002	+0·24	+0·008	−0·03
1281	κ Cygn	26621	726	−0·040	+0·82	−0·029	+0·69
1282	BD + 37°, 3413	26650	.....	−0·045	+0·37	.....	.....
1283	Br. 2435	26669	.....	−0·008	+0·19	.....	.....
1284	π Drac	26735	.....	−0·073	+0·57	.....	.....
1285	BD − 14°, 5428	26805	.....	−0·044	+0·51	.....	.....
1286	Br. 2456	26785	.....	−0·044	+0·36	.....	.....
1287	δ Aqil	26816	730	−0·005	+0·55	+0·005	+0·32
1288	Br. 2448	26823	.....	+0·020	+0·55	.....	.....
1289	Br. 2462	26844	1505	+0·005	+0·47	+0·019	+0·33
1290	Gr. 2844	26847	1506	−0·014	+0·22	−0·001	+0·10
1291	BD + 76°, 734	26826	.....	+0·064	+0·26	.....	.....
1292	BD + 83°, 552	26773	.....	+0·005	+0·14	.....	.....
1293	Pi 19h, 126	26911	.....	−0·029	+0·38	.....	.....
1294	BD − 0°, 3760	26907	.....	+0·002	+0·37	.....	.....
1295	BD + 62°, 1716	26888	.....	−0·005	+0·21	.....	.....
1296	BD + 33°, 3480	26946	.....	−0·018	+0·52	.....	.....
1297	β^1 Cygn	26953	732	−0·021	+0·30	−0·019	+0·15
1298	ι Cygn	26947	733	−0·039	+0·22	−0·031	+0·02
1299	BD + 5°, 4177	26965	.....	+0·008	+0·46	.....	.....
1300	BD + 70°, 1073	27023	.....	−0·113	−0·02	.....	.....
1301	52 Sgtr	27089	736	−0·016	+0·72	−0·014	+0·58
1302	Gr. 2880	27078	.....	−0·070	+0·28	.....	.....
1303	Pi 19h, 180	27105	.....	+0·013	+0·87	.....	.....
1304	κ Aqil	27107	737	−0·002	+0·54	−0·005	+0·41
1305	BD + 21°, 3849	27134	.....	−0·027	+0·31	.....	.....
1306	θ Cygn	27141	738	+0·011	+0·74	+0·005	+0·59
1307	BD + 3°, 4097	27176	.....	+0·046	+0·31	.....	.....
1308	Gr. 2907	27206	.....	−0·041	+0·00	.....	.....
1309	Br. 2500	27263	.....	+0·011	−0·02	.....	.....
1310	δ Cygn	27347	.....	+0·010	+0·22	−0·029	+0·01
1311	γ Aqil	27354	741	−0·001	+0·72	−0·002	+0·49
1312	δ Sgte	27391	743	−0·021	+0·03	−0·012	−0·12
1313	CD − 29°, 16546	27412	.....	+0·005	+1·44	.....	.....
1314	BD + 25°, 3972	27402	.....	−0·019	+0·18	.....	.....
1315	BD + 7°, 4252	27548	.....	+0·000	+0·32	.....	.....
1316	α Aqil	27470	745	+0·005	+0·68	+0·006	+0·42
1317	BD − 3°, 4742	27532	1519	+0·033	+0·50	+0·018	+0·34
1318	CD − 24°, 15668	27542	.....	+0·010	+1·36	.....	.....
1319	Br. 2531	27562	.....	−0·003	+0·36	.....	.....
1320	BD + 34°, 3778	27561	.....	−0·053	+0·39	.....	.....
1321	Gr. 2964	27564	.....	−0·031	+0·40	.....	.....
1322	β Aqil	27587	749	+0·002	+0·53	+0·002	+0·27

Cat. No.	STAR	G. C. No.	FK3 No.	O − G. C. Δα	O − G. C. Δδ	O − FK3 Δα	O − FK3 Δδ
				s	"	s	"
1323	Pi 19h, 371	27635	.....	−0·036	+0·53	.....	.....
1324	γ Sgte.	27672	752	−0·005	+0·23	+0·001	+0·04
1325	BD + 0°, 4375	27681	.....	+0·044	+0·34	.....	.....
1326	BD + 10°, 4126	27680	.....	−0·027	−0·15	.....	.....
1327	Br. 2553	27688	.....	−0·016	+0·52	.....	.....
1328	62 Sgtr.	27763	753	−0·018	+0·92	−0·012	+0·78
1329	BD + 29°, 3872	27820	.....	−0·022	+0·30	.....	.....
1330	Pi 19h, 377	27840	.....	−0·016	+1·30	.....	.....
1331	CD − 27°, 14515	27842	.....	+0·020	+0·99	.....	.....
1332	η Sgte.	27868	.....	+0·009	+0·05	.....	.....
1333	BD + 47°, 3004	27869	.....	+0·009	+0·58	.....	.....
1334	BD − 4°, 5013	27880	.....	+0·024	+0·12	.....	.....
1335	Br. 2573	27904	.....	−0·034	+0·78	.....	.....
1336	BD + 8°, 4344	27929	.....	−0·001	+0·12	.....	.....
1337	Br. 2586	27911	.....	−0·048	−0·02	.....	.....
1338	θ Aqil.	28010	756	+0·007	+0·37	+0·006	+0·25
1339	Br. 2577	28035	.....	+0·006	+0·36	.....	.....
1340	Gr. 3087	28077	.....	−0·040	+0·74	.....	.....
1341	Gr. 3212	27964	Nν	−0·034	−0·17	+0·062	−0·31
1342	Gr. 3112	28070	.....	−0·087	+0·26	.....	.....
1343	BD + 4°, 4395	28148	.....	+0·007	+0·20	.....	.....
1344	α^1 Capr.	28189	.....	−0·014	+0·59	.....	.....
1345	α^2 Capr.	28200	761	−0·001	+0·95	−0·004	+0·87
1346	σ Capr.	28233	.....	−0·025	+0·68	.....	.....
1347	Br. 2616	28242	.....	−0·067	+0·30	.....	.....
1348	BD − 6°, 5451	28278	.....	+0·004	+0·98	.....	.....
1349	β Capr.	28295	762	+0·010	+0·75	+0·009	+0·69
1350	BD + 14°, 4263	28288	.....	+0·021	+0·19	.....	.....
1352	γ Cygn.	28338	765	−0·034	+0·61	−0·033	+0·50
1353	Gr. 3157	28364	.....	−0·014	−0·11	.....	.....
1354	CD − 29°, 17049	28394	1532	−0·028	+1·87	−0·019	+1·45
1355	BD + 16°, 4259	28435	.....	+0·001	+0·78	.....	.....
1356	π Capr.	28442	.....	+0·021	+0·99	.....	.....
1357	CD − 26°, 15036	28451	.....	+0·069	+0·69	.....	.....
1358	BD + 7°, 4477	28466	.....	+0·000	+0·08	.....	.....
1359	Gr. 3191	28456	.....	+0·008	+0·21	.....	.....
1360	Pi 20h, 146	28496	.....	+0·019	+1·40	.....	.....
1361	Pi 20h, 174	28563	1536	+0·005	+0·83	+0·008	+0·71
1362	BD + 48°, 3148	28556	.....	−0·086	−0·19	.....	.....
1363	Br. 2647	28569	.....	−0·055	+0·06	.....	.....
1364	ϵ Dlph.	28593	768	−0·003	+0·41	−0·004	+0·23
1365	BD + 4°, 4486	28614	1537	+0·019	+0·74	+0·012	+0·61
1366	β Dlph.	28709	771	+0·008	+0·25	+0·006	+0·12
1367	BD + 12°, 4418	28732	.....	+0·008	−0·21	.....	.....
1368	BD − 5°, 5335	28747	.....	+0·064	+0·17	.....	.....
1369	θ Dlph.	28743	.....	+0·030	+0·39	.....	.....
1370	Br. 2668	28741	.....	−0·010	+0·22	.....	.....
1371	α Dlph.	28780	774	−0·009	+0·32	−0·009	+0·17
1372	BD + 83°, 588	28690	.....	+0·094	+0·10	.....	.....
1373	Br. 2675	28827	.....	+0·002	+0·07	.....	.....

Cat. No.	STAR	G. C. No.	FK3 No.	O – G. C. Δα	O – G. C. Δδ	O – FK3 Δα	O – FK3 Δδ
				s	"	s	"
1374	α Cygn.	28846	777	−0·054	+0·67	−0·065	+0·57
1375	BD + 78°, 716	28803	.....	+0·018	+0·23	.....	.....
1376	BD + 19°, 4501	28917	.....	−0·024	+0·60	.....	.....
1377	ψ Capr.	28929	779	−0·009	+1·40	−0·017	+1·23
1378	ϵ Cygn.	28959	780	−0·065	−0·27	−0·054	−0·52
1379	ϵ Aqar.	28978	781	+0·016	+0·64	+0·008	+0·50
1380	Br. 2688	28986	.....	−0·007	+0·55	.....	.....
1381	Gr. 3285	28975	1544	−0·028	+0·33	−0·012	+0·18
1382	BD + 27°, 3868	29001	.....	−0·006	+0·35	.....	.....
1383	Pi 20h, 305	29018	.....	−0·002	+1·14	.....	.....
1384	BD − 1°, 4057	29025	1545	+0·034	+1·07	+0·026	+0·96
1385	Pi 20h, 325	29057	.....	+0·031	+0·49	.....	.....
1386	BD − 21°, 5844	29060	.....	−0·027	+1·13	.....	.....
1387	Br. 2702	29066	.....	−0·052	−0·31	.....	.....
1388	BD + 63°, 1663	29069	.....	−0·050	−0·04	.....	.....
1389	76 Drac.	29019	N*k*	−0·083	+0·09	+0·012	−0·02
1390	BD + 36°, 4314	29190	.....	−0·054	+0·15	.....	.....
1391	Br. 2708	29201	.....	−0·002	−0·06	.....	.....
1392	Pi 20h, 386	29245	1548	+0·019	+0·44	+0·016	+0·44
1393	BD + 3°, 4466	29252	.....	+0·031	+0·74	.....	.....
1394	ν Cygn.	29251	788	−0·017	+0·52	−0·020	+0·25
1395	Br. 2719	29267	1549	−0·001	+0·31	−0·008	+0·27
1396	Br. 2735	29354	.....	−0·050	+0·12	.....	.....
1397	Gr. 3375	29386	.....	+0·028	+0·07	.....	.....
1398	BD + 67°, 1283	29401	.....	−0·044	+0·01	.....	.....
1399	BD − 0°, 4161	29480	1553	+0·017	+0·32	+0·005	−0·04
1400	BD + 26°, 4073	29491	.....	+0·013	+0·58	.....	.....
1401	BD + 30°, 4318	29502	.....	+0·012	−0·02	.....	.....
1402	BD + 15°, 4340	29530	.....	−0·006	+0·06	.....	.....
1403	χ Capr.	29543	.....	+0·009	+0·93	.....	.....
1404	CD − 28°, 17136	29546	.....	−0·025	+2·42	.....	.....
1405	BD + 6°, 4754	29548	.....	+0·027	+0·23	.....	.....
1406	ν Aqar.	29571	794	−0·008	+0·82	−0·010	+0·75
1407	ζ Cygn.	29661	797	+0·015	+0·65	+0·019	+0·52
1408	BD − 6°, 5720	29714	.....	+0·021	+0·14	.....	.....
1409	α Equl.	29735	800	+0·016	+0·28	+0·010	+0·10
1410	BD + 24°, 4357	29744	.....	−0·029	−0·16	.....	.....
1411	Br. 2765	29781	.....	+0·004	−0·11	.....	.....
1412	Gr. 3548	29620	.....	−0·292	−0·12	.....	.....
1413	BD + 10°, 4516	29821	.....	+0·004	+0·41	.....	.....
1414	Br. 2775	29823	.....	−0·033	+0·02	.....	.....
1415	BD + 37°, 4271	29847	.....	−0·054	+0·59	.....	.....
1416	α Ceph.	29848	803	−0·045	+0·73	−0·029	+0·66
1417	Gr. 3434	29868	1560	−0·053	+0·70	−0·046	+0·53
1418	BD + 3°, 4551	29904	.....	+0·035	+0·28	.....	.....
1419	1 Pegs.	29914	804	−0·007	+0·28	−0·009	+0·21
1420	Br. 2781	29957	1562	−0·043	+0·38	−0·053	+0·39
1421	Br. 2784	29993	.....	+0·009	+0·62	.....	.....
1422	BD + 18°, 4794	30023	.....	+0·008	+0·74	.....	.....
1423	BD + 7°, 4696	30060	1564	+0·031	−0·03	+0·018	−0·05

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				s	"	s	"
1424	Pi 21h, 145	30095	.....	+0·007	+0·94	.....	.....
1425	BD + 34°, 4436	30117	.....	−0·014	+0·14	.....	.....
1426	β Aqar	30137	808	+0·063	+0·42	+0·055	+0·29
1427	β Ceph	30118	809	−0·089	+0·22	−0·074	+0·04
1428	Pi 21h, 161	30153	.....	−0·009	−0·75	.....	.....
1429	BD + 22°, 4431	30211	.....	−0·022	+0·23	.....	.....
1430	BD + 11°, 4613	30259	.....	+0·034	+0·44	.....	.....
1431	BD + 49°, 3562	30253	.....	+0·042	+0·44	.....	.....
1432	ξ Aqar	30268	1569	+0·014	+0·57	+0·006	+0·46
1433	Br. 2830	30302	.....	−0·061	+0·53	.....	.....
1434	γ Capr	30320	812	+0·025	+0·17	+0·015	+0·11
1435	Gr. 3550	30363	.....	−0·008	+0·56	.....	.....
1436	Br. 2822	30377	.....	+0·008	+0·26	.....	.....
1437	BD + 45°, 3637	30390	.....	−0·045	+0·20	.....	.....
1438	BD + 6°, 4889	30414	.....	+0·003	−0·04	.....	.....
1439	ε Pegs	30431	815	+0·017	+0·49	+0·014	+0·33
1440	BD + 35°, 4626	30475	1571	−0·006	+0·51	+0·000	+0·34
1441	BD − 2°, 5631	30482	.....	+0·023	−0·11	.....	.....
1442	δ Capr	30491	819	+0·005	+0·69	−0·001	+0·64
1443	Br. 2853	30502	.....	+0·026	−0·23	.....	.....
1444	CD − 27°, 15639	30552	.....	−0·026	+1·32	.....	.....
1445	BD + 40°, 4648	30566	.....	−0·021	+0·25	.....	.....
1446	BD − 23°, 17135	30585	1576	+0·014	+0·93	−0·001	+0·91
1447	μ Capr	30631	1577	+0·007	+0·62	+0·001	+0·48
1448	Gr. 3600	30634	.....	+0·017	+0·61	.....	.....
1449	BD + 31°, 4577	30677	.....	−0·008	+0·02	.....	.....
1450	BD + 20°, 5046	30710	1579	+0·006	−0·01	+0·002	−0·08
1451	Br. 2894	30681	.....	−0·020	−0·22	.....	.....
1452	Br. 2869	30719	.....	+0·029	+0·34	.....	.....
1453	BD + 3°, 4644	30747	.....	+0·032	+1·16	.....	.....
1454	BD − 5°, 5674	30755	1580	+0·007	−0·14	+0·004	−0·24
1455	Gr. 3637	30745	.....	−0·079	−0·04	.....	.....
1456	Pi 21h, 361	30816	.....	−0·006	+0·55	.....	.....
1457	BD + 9°, 4975	30868	.....	+0·018	+0·67	.....	.....
1458	Br. 2887	30872	.....	+0·016	+0·84	.....	.....
1459	α Aqar	30896	827	+0·018	+0·39	+0·011	+0·28
1460	Br. 2895	30899	.....	−0·026	−0·11	.....	.....
1461	Pi 21h, 393	30927	.....	−0·004	+0·77	.....	.....
1462	BD + 17°, 4693	30945	.....	−0·004	+0·56	.....	.....
1463	BD + 45°, 3813	30985	.....	−0·070	+0·50	.....	.....
1464	θ Pegs	31013	834	+0·020	+0·34	+0·020	+0·02
1465	Br. 2909	31021	.....	−0·018	+0·98	.....	.....
1466	ζ Ceph	31044	836	−0·022	+0·53	−0·016	+0·41
1467	CD − 26°, 16033	31075	.....	−0·022	+0·83	.....	.....
1468	BD − 16°, 6046	31109	1582	−0·024	+0·76	+0·002	+0·64
1469	BD + 3°, 4687	31117	.....	+0·010	+0·19	.....	.....
1470	BD + 21°, 4719	31120	.....	+0·001	−0·01	.....	.....
1471	Gr. 3725	31127	.....	−0·051	+0·04	.....	.....
1472	θ Aqar	31152	840	+0·021	+0·29	+0·011	+0·27
1473	Br. 2931	31163	.....	+0·040	+0·31	.....	.....

Cat. No.	STAR	G. C. No.	FK3 No.	O – G. C. Δα	O – G. C. Δδ	O – FK3 Δα	O – FK3 Δδ
				s	″	s	″
1474	BD + 12°, 4797	31171	.....	+0·002	−0·04	.....	.....
1475	Pi 22h, 65	31210	.....	+0·001	+0·38	.....	.....
1476	Br. 2947	31205	.....	−0·064	+0·68	.....	.....
1477	Gr. 3746	31235	.....	+0·023	+0·39	.....	.....
1478	BD + 30°, 4685	31244	.....	+0·007	+0·36	.....	.....
1479	γ Aqar	31257	842	+0·023	+0·57	+0·011	+0·46
1480	32 H. Ceph	31223	Nξ	−0·228	−0·06	−0·173	−0·05
1481	β Lacr	31310	844	+0·013	+0·57	+0·015	+0·50
1482	Pi 22h, 91	31343	.....	+0·042	+0·93	.....	.....
1483	Gr. 3767	31333	.....	−0·027	+0·36	.....	.....
1484	BD + 17°, 4746	31338	1586	+0·021	+0·32	+0·014	+0·11
1485	Br. 2962	31408	1588	+0·014	+0·62	+0·006	+0·46
1486	CD − 27°, 15932	31417	.....	−0·046	+0·47	.....	.....
1487	Pi 22h, 120	31415	1589	+0·006	−0·15	+0·004	−0·23
1488	σ Aqar	31440	1591	+0·009	+0·45	−0·001	+0·34
1489	BD − 3°, 5460	31462	.....	+0·060	+0·40	.....	.....
1490	Br. 2967	31468	.....	+0·034	+0·77	.....	.....
1491	Gr. 3804	31488	.....	−0·043	−0·04	.....	.....
1492	η Aqar	31534	850	+0·003	+0·62	−0·005	+0·43
1493	Br. 2978	31540	.....	+0·010	+0·81	.....	.....
1494	Gr. 3829	31556	.....	−0·040	+0·52	.....	.....
1495	BD + 23°, 4576	31582	.....	−0·026	+0·30	.....	.....
1496	BD − 8°, 5912	31593	.....	+0·025	+0·23	.....	.....
1497	Pi 22h, 186	31655	.....	+0·017	+0·76	.....	.....
1498	ζ Pegs	31664	855	+0·008	+0·37	+0·003	+0·26
1499	BD + 30°, 4771	31668	.....	−0·022	+1·11	.....	.....
1500	BD + 4°, 4896	31692	.....	+0·043	+1·02	.....	.....
1501	η Pegs	31706	857	−0·037	+0·53	−0·040	+0·41
1502	Br. 3006	31753	1596	+0·016	+0·10	+0·018	−0·08
1503	BD + 6°, 5060	31772	.....	+0·048	+0·24	.....	.....
1504	λ Pegs	31776	859	+0·003	+0·30	+0·002	+0·19
1505	Br. 3007	31794	1597	−0·012	+0·69	−0·021	+0·69
1506	BD − 2°, 5826	31796	1598	+0·054	−0·06	+0·037	−0·30
1507	Br. 3009	31802	.....	−0·001	+0·68	.....	.....
1508	CD − 26°, 16324	31806	.....	+0·018	+1·96	.....	.....
1509	ι Ceph	31857	863	−0·005	+0·06	+0·010	−0·01
1510	34 H. Ceph	31855	.....	+0·097	+0·20	.....	.....
1511	BD + 25°, 4828	31876	.....	−0·015	+0·33	.....	.....
1512	λ Aqar	31903	864	+0·011	+0·21	+0·000	+0·19
1513	BD + 67°, 1475	31921	.....	−0·049	−0·04	.....	.....
1514	δ Aqar	31943	866	+0·025	+0·49	+0·014	+0·47
1515	Br. 3026	31944	.....	+0·010	+0·90	.....	.....
1516	BD + 36°, 4956	31964	1600	−0·031	+0·28	−0·027	+0·06
1517	BD + 55°, 2850	31986	.....	+0·037	−0·35	.....	.....
1518	BD + 11°, 4904	31991	.....	+0·024	+0·38	.....	.....
1519	α Pisc. A	32000	867	−0·014	+0·63	−0·024	+0·52
1520	BD + 3°, 4799	32002	.....	+0·038	−0·05	.....	.....
1521	Br. 3035	32003	.....	+0·019	+0·13	.....	.....
1522	36 H. Ceph	31999	*No*	+0·099	+0·25	−0·010	+0·19
1523	Gr. 3940	32039	.....	+0·014	+0·52	.....	.....

Cat. No.	STAR	G. C. No.	FK3 No.	O − G. C. Δα	O − G. C. Δδ	O − FK3 Δα	O − FK3 Δδ
				s	"	s	"
1524	Br. 3039	32065	.....	+0·021	+0·07	.....	
1525	Br. 3040	32079	.....	+0·006	+0·23	.....	
1526	o Andr.	32095	869	−0·015	+0·60	−0·018	+0·36
1528	BD − 21°, 6354	32105	.....	+0·062	+0·60	.....	
1529	Gr. 3968	32119	.....	−0·095	−0·18	.....	
1530	β Pegs.	32135	870	−0·019	+0·29	−0·022	+0·10
1531	α Pegs.	32149	871	−0·003	−0·04	−0·008	−0·19
1532	BD + 34°, 4847	32202	.....	−0·016	+0·50	.....	
1533	BD + 19°, 5060	32207	.....	+0·000	+0·08	.....	
1534	BD + 29°, 4862	32215	.....	+0·027	−0·09	.....	
1535	Br. 3063	32216	.....	−0·014	+0·21	.....	
1536	CD − 28°, 18099	32256	.....	−0·031	+0·05	.....	
1537	Br. 3068	32252	.....	+0·008	−0·21	.....	
1538	Br. 3070	32288	.....	−0·015	+0·15	.....	
1539	φ Aqar.	32346	1607	+0·037	+0·27	+0·026	+0·16
1540	BD − 11°, 6032	32354	.....	−0·017	+0·04	.....	
1541	BD + 24°, 4737	32368	.....	+0·022	+0·27	.....	
1542	BD − 4°, 5852	32369	.....	+0·010	−0·10	.....	
1543	γ Pisc.	32415	878	+0·023	+0·33	+0·013	+0·19
1544	CD − 29°, 18654	32460	.....	+0·024	+0·65	.....	
1545	BD − 18°, 6283	32467	.....	−0·001	+0·10	.....	
1546	Br. 3092	32491	.....	+0·041	+0·32	.....	
1547	Br. 3099	32510	1610	−0·003	+0·27	−0·009	+0·27
1548	Br. 3110	32538	.....	−0·035	+0·06	.....	
1549	Br. 3108	32543	.....	+0·030	+0·21	.....	
1550	Br. 3113	32594	.....	+0·027	+0·89	.....	
1551	κ Pisc.	32620	884	+0·016	+0·21	+0·013	+0·05
1552	BD − 12°, 6496	32648	.....	+0·034	+1·12	.....	
1553	CD − 26°, 16654	32654	.....	−0·065	+1·21	.....	
1554	BD + 15°, 4830	32665	1615	+0·006	+0·34	−0·009	+0·16
1555	Br. 3124	32672	.....	−0·001	+0·76	.....	
1556	39 H. Ceph.	32680	.....	−0·152	+0·00	.....	
1557	BD + 27°, 4566	32710	.....	−0·021	+0·75	.....	
1558	BD + 6°, 5168	32732	.....	+0·015	+0·67	.....	
1559	Gr. 4089	32733	.....	−0·003	−0·08	.....	
1560	Gr. 4087	32743	.....	+0·011	+0·25	.....	
1561	Br. 3132	32759	.....	−0·012	+0·23	.....	
1563	Gr. 4099	32796	.....	−0·038	+0·39	.....	
1564	Br. 3139	32818	.....	+0·016	+0·24	.....	
1565	Gr. 4105	32831	.....	−0·007	+0·26	.....	
1566	Pi 23h, 137	32843	.....	+0·004	+0·21	.....	
1567	Br. 3146	32864	.....	−0·028	−0·16	.....	
1568	Gr. 4120	32872	.....	−0·056	+0·40	.....	
1569	ι Pisc.	32879	892	+0·021	+0·30	+0·019	+0·20
1570	γ Ceph.	32875	893	−0·032	−0·34	+0·041	−0·44
1571	BD + 35°, 5074	32892	.....	−0·027	+0·55	.....	
1572	BD − 8°, 6166	32893	.....	+0·036	+0·23	.....	
1573	Br. 3165	33029	1623	+0·017	+0·07	+0·011	−0·01
1574	δ Sclp.	33050	896	−0·003	+0·66	−0·015	+0·56
1575	CD − 28°, 18361	33055	.....	+0·003	+0·33	.....	

Cat. No.	STAR	G. C. No.	FK3 No.	O – G. C. $\Delta\alpha$	O – G. C. $\Delta\delta$	O – FK3 $\Delta\alpha$	O – FK3 $\Delta\delta$
				s	"	s	"
1576	Pi 23h, 194	33058	1624	−0·010	+1·32	−0·016	+1·19
1577	BD + 63°, 2064	33089	.....	−0·084	+0·53	.....	.....
1578	Br. 3173	33094	.....	+0·036	+0·56	.....	.....
1579	Br. 3174	33112	.....	+0·010	+0·00	.....	.....
1580	φ Pegs	33119	898	−0·008	+0·36	−0·010	+0·23
1581	BD + 21°, 4999	33208	1628	+0·007	−0·25	+0·002	−0·38
1582	V Ceph	33205	Nπ	+0·053	+0·34	+0·117	+0·20
1583	Br. 3188	33242	.....	−0·037	+0·88	.....	.....
1584	BD + 34°, 5039	33243	.....	−0·006	+0·22	.....	.....
1585	σ Cass	33257	.....	+0·002	+0·60	.....	.....
1586	ω Psc	33262	902	+0·018	+0·18	+0·013	+0·08
1587	Pi 23h, 249	33273	.....	+0·027	+0·35	.....	.....
1588	Br. 3201	33341	.....	+0·016	+0·40	.....	.....
1589	2 Ceti	23	905	+0·020	+0·22	+0·015	+0·11