

CATALOGUE OF STARS

FOR THE EPOCH

1900·0

FROM OBSERVATIONS WITH

THE ALTAZIMUTH

MADE AT THE

ROYAL OBSERVATORY, GREENWICH,
BETWEEN THE YEARS 1899 AND 1908.

UNDER THE DIRECTION OF

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CATALOGUE OF STARS OBSERVED WITH THE ALTAZIMUTH, 1900·0.

INTRODUCTION.

THIS Catalogue is derived from observations of stars made with the Altazimuth used in the Meridian during the years 1899–1908. The instrument is virtually a reversible transit-circle which can be placed in any azimuth. During parts of each lunation it is in the Meridian, and at such times observations of stars, as well as of the Moon, are made. The instrument is reversible on its pivots, and, in addition, the stand which carries the bearings of the pivots and also the reading-microscopes may be rotated; there are thus four different positions of the instrument when it is used for meridian observations. These are indicated as 0° , d; 0° , r; 180° , d; 180° , r.

The stars in this Catalogue belong to the following classes:—

- (i) Stars in Newcomb's Fundamental Catalogue.
- (ii) Stars in Sir David Gill's Zodiacal Catalogue, of which observations were required for heliometer observations of planets.
- (iii) Moon-culminating stars, from the Nautical Almanac list.
- (iv) Eros reference stars, used in the opposition 1900–1901.
- (v) Stars selected as suitable for observation by reflexion, or for other special purposes.

The positions are derived from those published in the Annual Volumes, 1900–1908, without alteration, with the following exceptions: Right Ascensions of stars observed in 1899, 1900, 1901, and 1902 have been increased by $0^{\text{s}}\cdot054$ to reduce to Newcomb's Equinox. The Eros comparison stars, observed in 1899–1900, had, however, been reduced to Newcomb's Equinox before printing in the 1900 Volume. The correction for R–D discordance has been modified for some periods as a result of a discussion made in preparation of this Catalogue.

The adopted Right Ascensions of Clock Stars and Standard Polar Stars have been taken from the Greenwich Clock Star Lists.

As regards the Declinations, the zenith point for the night has been derived from Nadir observations, but a correction of the form $\alpha + b \sin Z$ has been applied to the zenith distances. To determine the constants α and b , reflexion observations of stars have been taken each night when practicable, two stars north and two south of the Zenith. These have been grouped for each position of the instrument, and the coefficients α and b deduced. In forming adopted values of these constants it is assumed that b remains the same in all four positions of the instrument, but that α has the same sign in positions 0°, d, and 180°, r, and the opposite sign in the positions 0°, r, and 180°, d. Comparison of the four positions with one another were made by comparing observations in each position with Newcomb's Fundamental Catalogue, and these comparisons were utilised to give another determination of the constant α (which is reversed in different positions of the instrument). The differences between the Declinations given by the instrument in reversed positions are in some cases large, and change in an irregular manner. At the end of each year the values of α and b to be applied to the year's observations were determined, and the corrections $\pm \alpha + b \sin Z$ were applied. In some periods where there was evidence of discontinuity, a special correction was applied.

It should be pointed out that comparison with Newcomb's Catalogue has been used in such a way as not to interfere with the fundamental character of the observations. The adopted value of the constant b has been derived entirely from the reflexion observations. For the years 1899–1902 the value of α was also found in this way, but for the years 1903–1908 the comparison with Newcomb was used. This comparison gives a value of α , which makes the four positions of the instrument agree with one another, but does not affect the mean for any star observed in all four positions.

For the years 1899–1901 the values of α and b were adopted separately for the two graduated circles of the instrument.

In the following table are collected the values found for

- (i) the horizontal flexure ;
- (ii) one half of the discordance between the reflexion and direct observations, assumed to be of the form $\alpha + b \sin Z$;
- (iii) the differences from Newcomb's Fundamental Catalogue, assumed to be of the same form ; and
- (iv) the correction actually applied to the observations in forming this catalogue.

INTRODUCTION.

5

Date.	Position of Instrument.	Horizontal Flexure.	No. of Obs.	Discordance from Reflexions.	No. of Obs.	Discordance from Newcomb.	No. of Obs.	Adopted Correction.*
1899 Feb.-April	0°, d.	...	...	...	...	+ '09 + 1'04 sin Z.	137	+ '27 + '67 sin Z. - '10 + '67 sin Z.
1899 Feb.-July	0°, r.	...	...	...	...	+ '25 + '96 sin Z.	173	+ '25 + 1'03 sin Z. + '22 + '88 sin Z.
1899 April-Aug.	180°, r.	...	...	...	...	+ '72 + 1'38 sin Z.	168	+ '85 + 1'26 sin Z. + '55 + 1'37 sin Z.
1899 April-Sept.	180°, d.	- '20	2	- '06 + '70 sin Z.	7	- '07 + '95 sin Z.	183	- '24 + '86 sin Z. + '03 + '93 sin Z.
1899 Sept.-Oct.	0°, d.	- '72	2	...	...	+ '32 + '54 sin Z.	90	+ '27 + '67 sin Z. - '10 + '67 sin Z.
1899 Oct.-1900 April	0°, r.	- '54	2	+ '20 + '50 sin Z.	7	- '22 + '52 sin Z.	318	- '05 + '13 sin Z. - '08 - '02 sin Z.
1900 April-June	180°, r.	...	...	...	...	+ '31 + 1'06 sin Z.	143	+ '55 + '96 sin Z. + '25 + 1'07 sin Z.
1900 June-Aug.	180°, d.	- '05	4	- '40 + '29 sin Z.	57	- '14 + '47 sin Z.	175	- '54 + '26 sin Z. - '27 + '33 sin Z.
1900 Sept.-Nov. 14	0°, d.	- '38	2	+ '08 + '67 sin Z.	63	+ '29 + '33 sin Z.	213	+ '27 + '67 sin Z. - '10 + '67 sin Z.
1900 Nov. 15-Dec. 31	0°, r.	- '44	2	- '07 + '06 sin Z.	29	+ '18 + '08 sin Z.	82	- '05 + '13 sin Z. - '08 - '02 sin Z.
1901 Jan. 1-Mar. 15	0°, r.	- '58	3	- '07 + '06 sin Z.	44	+ '02 + '22 sin Z.	147	- '05 + '13 sin Z. - '08 - '02 sin Z.
1901 Mar. 16-June 30	180°, r.	- '34	5	+ '40 + '02 sin Z.	37	+ '21 + '59 sin Z.	203	+ '55 - '04 sin Z. + '25 + '07 sin Z.
1901 July 1-Oct. 15	0°, d.	- '40	1	+ '34 + '27 sin Z.	28	+ '26 + '62 sin Z.	127	+ '44 + '23 sin Z. + '24 + '31 sin Z.
1901 Oct. 16-Dec. 31	180°, d.	- '75	1	- '45 - '12 sin Z.	20	- '37 - '05 sin Z.	112	- '41 - '06 sin Z. - '50 - '19 sin Z.
1902 Jan. 1-Mar. 3	0°, d.	- '50	2	+ '76 - '07 sin Z.	8	+ 1'30 + '18 sin Z.	67	+ 1'05 + '26 sin Z.
1902 Mar.-Sept. intermittently	0°, r.	- '62	1	- '63 + '57 sin Z.	29	- '70 + '25 sin Z.	128	- 1'05 + '26 sin Z.
1902 Mar.-Oct. intermittently	180°, r.	- '67	3	+ '57 + '10 sin Z.	36	+ 1'15 + '39 sin Z.	176	+ 1'05 + '26 sin Z.
1902 Oct. 17-Dec. 31	180°, d.	- '97	4	- '31 + '24 sin Z.	26	- '96 + '28 sin Z.	161	- 1'05 + '26 sin Z.
1903 Jan.-Feb.	0°, d.	- '78	2	+ '72 - '26 sin Z.	25	+ 1'10 - '17 sin Z.	118	+ 1'00 '00 sin Z.
1903 Mar.-April	0°, r.	- '87	2	- '43 + '19 sin Z.	26	- '79 + '07 sin Z.	88	- 1'00 '00 sin Z.
1903 May-June	180°, r.	- '78	3	+ '46 + '26 sin Z.	16	+ 1'10 + '31 sin Z.	68	+ 1'00 '00 sin Z.
1903 July-Aug.	180°, d.	...	...	...	...	+ '01 + '53 sin Z.	53	- '10 '00 sin Z.
1903 Sept.-Oct.	0°, d.	- '52	3	+ '31 + '30 sin Z.	28	+ '14 + '22 sin Z.	117	+ '10 '00 sin Z.
1903 Nov.-Dec.	0°, r.	- '70	3	+ '07 - '11 sin Z.	51	+ '13 - '22 sin Z.	152	- '10 '00 sin Z.
1904 Jan.-Feb.	180°, r.	...	...	+ '09 - '73 sin Z.	19	'00 - '33 sin Z.	91	+ '29 - '16 sin Z.
1904 Mar.-April	180°, d.	- '64	4	- '38 + '01 sin Z.	42	- '51 + '04 sin Z.	129	- '29 - '16 sin Z.
1904 May-June	0°, d.	- '52	5	+ '21 + '21 sin Z.	46	+ '56 + '23 sin Z.	72	+ '29 - '16 sin Z.
1904 July-Aug.	0°, r.	- '78	2	- '57 + '02 sin Z.	34	- '41 + '03 sin Z.	120	- '29 - '16 sin Z.
1904 Sept.-Oct.	180°, r.	- '79	3	+ '04 - '41 sin Z.	47	+ '47 - '56 sin Z.	100	+ '29 - '16 sin Z.
1904 Nov.-Dec.	180°, d.	- '61	5	- '25 - '77 sin Z.	11	- '07 - '35 sin Z.	197	- '29 - '16 sin Z.

* The first of the two values given in the column "Adopted Correction" for each period from 1899 February to 1901 December 31 has been applied to the observations in which the "fixed" circle was used. The second of the two values has been applied when the readings were made with the circle at the other end of the axis, called in the volume the "movable" circle, as it admits of being fixed in different positions relatively to the telescope. The adopted corrections refer to Zenith Distance South.

Date.	Position of Instrument.	Horizontal Flexure.	No. of Obs.	Discordance from Reflexions.	No. of Obs.	Discordance from Newcomb.	No. of Obs.	Adopted Correction.
1905 Jan.-Feb.	0°, r.	...	...	- "19 - "49 sin Z.	14	+ "22 - "61 sin Z.	201	- "31 - "34 sin Z.
1905 Mar.-April	0°, d.	- '58	2	+ '54 - '59 sin Z.	10	+ '45 - '08 sin Z.	164	+ '31 - '34 sin Z.
1905 May-June	180°, d.	- '20	1	- '52 + '12 sin Z.	18	- '42 + '44 sin Z.	124	- '31 + '41 sin Z.
1905 July-Aug.	180°, r.	...	...	...	...	+ '20 + '16 sin Z.	9	+ '21 + '16 sin Z.
1905 Sept.-Oct.	0°, r.	- '33	4	- '47 - '54 sin Z.	24	- '23 - '13 sin Z.	159	- '31 - '34 sin Z.
1905 Nov.-Dec.	0°, d.	- '68	5	+ '35 - '36 sin Z.	27	+ '62 - '40 sin Z.	67	+ '31 - '34 sin Z.
1906 Jan.-Feb.	180°, r.	- '73	4	+ '43 - '40 sin Z.	35	+ '65 - '16 sin Z.	202	+ '30 - '24 sin Z.
1906 Mar.-April	180°, d.	- '37	3	- '21 - '20 sin Z.	33	- '58 - '07 sin Z.	185	- '30 - '24 sin Z.
1906 May-June	0°, d.	...	...	+ '30 - '20 sin Z.	14	+ '34 - '11 sin Z.	137	+ '30 - '24 sin Z.
1906 July-Aug.	0°, r.	- '09	3	- '56 - '28 sin Z.	27	- '49 + '28 sin Z.	128	- '50 + '26 sin Z.
1906 Sept.-Oct.	180°, r.	- '31	2	- '02 - '08 sin Z.	21	+ '31 + '13 sin Z.	158	+ '30 - '24 sin Z.
1906 Nov.-Dec.	180°, d.	- '59	2	- '20 - '05 sin Z.	5	- '21 - '28 sin Z.	85	- '30 - '24 sin Z.
1907 Jan.-Feb.	0°, r.	- '52	2	- '23 - '19 sin Z.	8	- '05 - '75 sin Z.	110	- '09 - '72 sin Z.
1907 Mar.-April	0°, d.	- '54	2	+ '05 - '00 sin Z.	21	- '08 + '04 sin Z.	98	+ '09 - '12 sin Z.
1907 May-June	180°, d.	- '51	1	+ '15 - '26 sin Z.	10	- '09 + '47 sin Z.	95	- '09 + '48 sin Z.
1907 July-Aug.	180°, r.	...	...	+ '52 - '15 sin Z.	4	+ '17 + '43 sin Z.	68	+ '19 + '48 sin Z.
1907 Sept.-Oct.	0°, r.	- '49	3	+ '61 - '15 sin Z.	18	+ '53 - '10 sin Z.	135	+ '35 - '20 sin Z.
1907 Nov.-Dec.	0°, d.	- '73	2	- '40 - '10 sin Z.	18	- '15 - '68 sin Z.	118	- '35 - '20 sin Z.
1908 Jan.-Feb.	180°, r.	...	...	- '45 - '22 sin Z.	24	- '10 - '23 sin Z.	178	- '06 - '20 sin Z.
1908 Mar.-April	180°, d.	...	...	- '10 - '36 sin Z.	17	- '18 - '30 sin Z.	116	+ '06 - '20 sin Z.
1908 May-June	0°, d.	...	...	- '11 + '08 sin Z.	16	- '15 + '48 sin Z.	87	+ '04 + '40 sin Z.
1908 July-Aug.	0°, r.	...	...	+ '08 - '22 sin Z.	8	+ '27 + '04 sin Z.	82	+ '06 - '20 sin Z.
1908 Sept.-Oct.	180°, r.	...	...	- '21 - '51 sin Z.	20	+ '03 - '17 sin Z.	203	- '06 - '20 sin Z.
1908 Nov.-Dec.	180°, d.	...	...	- '38 - '71 sin Z.	4	- '49 - '00 sin Z.	62	+ '06 - '20 sin Z.

In the above Newcomb comparisons the observations have been corrected for Latitude variation from 1904 onwards.

The formulæ originally used in the Annual Volumes are given below in the cases where they differ from those actually applied in the Catalogue:—

Date.	Position of Instrument.	Correction Formerly Used.	Date.	Position of Instrument.	Correction Formerly Used.
1899 Feb.-July intermittently	0°, r.	- "05 + "13 sin Z.	1905 May-June	180°, d.	- "31 - "34 sin Z.
1899 Apr.-Aug. intermittently	180°, r.	- '08 - '02 sin Z.	1905 July-Aug.	180°, r.	+ '31 - '34 sin Z.
1899 Apr.-Sept. intermittently	180°, d.	+ '55 - '04 sin Z.	1906 May-June	0°, d.	+ '30 - '24 sin Z.
1900 Apr.-June	180°, r.	+ '25 + '07 sin Z.	1906 July-Aug.	0°, r.	- '30 - '24 sin Z.
	180°, d.	- '54 + '26 sin Z.	1907 Jan.-Feb.	0°, r.	- '09 - '12 sin Z.
	180°, r.	- '27 + '33 sin Z.	1907 May-June	180°, d.	- '09 - '12 sin Z.
	180°, r.	+ '55 - '04 sin Z.	1907 July-Aug.	180°, r.	+ '09 - '12 sin Z.
1902	0°, d., 180°, r.	+ '25 + '07 sin Z.	1908 May-June	0°, d.	- '06 - '20 sin Z.
1902	0°, r., 180°, d.	- '05 + '26 sin Z.	...	...	...
			...	...	...

It will be seen from the figures in the table given above that the horizontal flexure as measured on the collimators is very constant and has the same value in different

INTRODUCTION.

7

positions of the instrument. For the positions $0^\circ, d$ and $180^\circ, r$ the mean value is $-''59$, and for the positions $0^\circ, r$ and $180^\circ, d$ it is $-''51$.

With regard to the coefficient of $\sin Z$, given by the reflexion observations and the comparison with Newcomb, these are sensibly accordant for the different positions of the instrument, and their mean value is small. In the period 1899 January to 1900 June this coefficient had a large positive value. It gradually diminished, and from 1904 to 1908 had a small negative value.

An annual term appears to exist in the coefficient given both by the reflexion observations and the comparisons with Newcomb's Catalogue. Grouping all the observations from 1903 to 1910 in periods of two months, and subtracting the adopted mean value for each year, the following residuals for the coefficient b are found :—

	Coefficient of $\sin Z$ from Reflexion Observations.	Coefficient of $\sin Z$ from Comparison with Newcomb.	Coefficient of $\sin Z$ from Reflexions with Transit Circle.
January and February	$-0''26$	$-0''30$	$-0''11$
March and April	$-0''06$	$-0''05$	$+0''02$
May and June	$+0''26$	$+0''34$	$+0''15$
July and August	$+0''18$	$+0''28$	$+0''06$
September and October	$-0''02$	$-0''09$	$-0''02$
November and December	$-0''12$	$-0''30$	$-0''06$

The last column of the table given above is taken from the *Monthly Notices* of R.A.S., vol. lii. p. 374, and shows a similar variation but of smaller amount in the transit circle observations. The Means of the Horizontal Flexure with the Altazimuth, grouped by two months, are $-''68$, $-''60$, $-''50$, $-''43$, $-''49$, $-''66$.

With regard to the constant term in the formula $a + b \sin Z$, there have been changes which are not fully understood. This term changes sign with a reversal of the instrument so that the positions $0^\circ, d$ and $180^\circ, r$ agree and are opposite to $0^\circ, r$ and $180^\circ, d$. This reversal of sign takes place regularly, and is so far satisfactory. But the magnitude of the term has changed from time to time. The large value in 1902 and the first half of 1903 was traced to a slight tilt and strain in the object-glass and was corrected. On a later occasion, not included in the period under discussion, the fault appeared to be in the mounting of the eye end of the instrument. By the application of the corrections given above, it is believed that a sensible uniformity has been obtained in the reduction of the observations which form this Catalogue.

Circumpolar Stars.—The results of a comparison made between the observations of circumpolar stars above and below pole are given in the following tables. The same

system of weighting has been adopted as is used for the transit circle, viz., for the right ascensions $\frac{4mn}{m+n+\frac{1}{2}mn}$ and for the North Polar Distances $\frac{2mn}{me_1^2+ne^2+\frac{1}{2}mne^2}$ where m and n are the number of observations above and below and e and e_1 are probable errors of an observation made above or below pole respectively. (These formulæ make the weights assigned to right ascensions and declinations equal at about $30'$ from the pole.)

Limits of N.P.D.	RIGHT ASCENSIONS.			Limits of N.P.D.	DECLINATIONS.		
	Excess of R.A. above Pole (in arc).	Number of Stars.	Sum of Weights.		Excess of N.P.D. above Pole.	Number of Stars.	Sum of Weights.
0-5°	+ ".02	3	24	0-5°	+ ".18	13	323
5-10	+ ".15	12	68	5-10	+ ".02	15	160
10-15	+ ".10	23	150	10-15	- ".10	29	259
15-20	+ ".05	32	234	15-20	- ".06	38	335
20-25	+ ".06	26	183	20-25	- ".33	25	195
25-30	+ ".44	17	115	25-30	- ".17	22	155
30-35	- ".04	23	127	30-35	- ".13	23	141
35-40	- ".10	16	66	35-40	+ ".28	19	65
40-	+ ".54	16	34				

The value of the colatitude assumed in the reduction of declination observations is $38^\circ 31' 23''.42$. This is derived from the colatitude adopted for the transit circle by measuring the distance between the two instruments.

Comparison with Newcomb's Fundamental Catalogue and Boss' General Catalogue.—Comparisons in order of right ascension and also of declination are given in the following tables:—

*Comparison of Altazimuth with the Fundamental Catalogue of Newcomb and Boss.
Arranged in order of R.A.*

Limits of R.A.	RIGHT ASCENSIONS.				DECLINATIONS.			
	Altaz.—Newcomb.	No. of Stars.	Altaz.—Boss.	No. of Stars.	Altaz.—Newcomb.	No. of Stars.	Altaz.—Boss.	No. of Stars.
h m	s		s					
0-1	- .006	21	+ .005	34	- 0°.02	25	+ 0°.20	32
1-2	+ .002	21	+ .003	28	+ 0°.08	23	+ 0°.22	27
2-3	+ .005	27	+ .012	40	+ 0°.27	31	+ 0°.43	41
3-4	- .009	23	- .003	45	+ 0°.19	29	+ 0°.43	41
4-5	- .002	26	+ .005	47	+ 0°.07	31	+ 0°.25	46
5-6	- .011	29	- .011	58	- 0°.03	37	+ 0°.15	58
6-7	- .005	21	- .006	26	- 0°.05	26	+ 0°.22	28
7-8	- .003	20	- .005	33	+ 0°.03	26	+ 0°.28	34
8-9	- .008	21	+ .011	33	+ 0°.12	24	+ 0°.42	33
9-10	+ .012	21	+ .004	29	- 0°.12	27	+ 0°.22	29
10-11	+ .011	20	+ .014	31	- 0°.09	26	+ 0°.20	31
11-12	+ .008	16	+ .005	22	+ 0°.01	19	+ 0°.41	21

INTRODUCTION.

9

*Comparison of Altazimuth with the Fundamental Catalogues of Newcomb and Boss.
Arranged in order of R.A.—continued.*

Limits of R.A.	RIGHT ASCENSIONS.				DECLINATIONS.			
	Altaz.— Newcomb.	No. of Stars.	Altaz.— Boss.	No. of Stars.	Altaz.— Newcomb.	No. of Stars.	Altaz.— Boss.	No. of Stars.
h m	s		s					
12-13	- '011	21	+ '005	35	- 0"04	26	+ 0"29	33
13-14	+ '016	14	+ '009	27	+ 0"11	21	+ 0"47	28
14-15	+ '000	22	+ '012	36	+ 0"21	29	+ 0"47	34
15-16	+ '015	24	+ '016	34	+ 0"15	29	+ 0"56	35
16-17	+ '011	18	+ '012	38	+ 0"06	25	+ 0"45	39
17-18	- '014	22	- '007	37	+ 0"27	29	+ 0"52	44
18-19	+ '033	19	+ '018	32	+ 0"05	24	+ 0"40	35
19-20	+ '012	29	+ '009	42	+ 0"14	37	+ 0"41	47
20-21	+ '008	23	+ '011	38	+ 0"05	32	+ 0"43	36
21-22	+ '008	24	+ '015	37	+ 0"17	31	+ 0"42	38
22-23	- '002	25	+ '003	39	+ 0"30	34	+ 0"44	40
23-0	+ '011	26	+ '016	33	+ 0"03	29	+ 0"22	33

*Comparison of Altazimuth with the Fundamental Catalogues of Newcomb and Boss.
Arranged in order of Declination.*

Limits of Declina- tion.	RIGHT ASCENSION.						DECLINATION.			
	Altaz.—Newcomb.		No. of Stars.	Altaz.—Boss.		No. of Stars.	Altaz.— Newcomb.	No. of Stars.	Altaz.— Boss.	No. of Stars.
	Time.	Arc.		Time.	Arc.					
N. 90-85	+ '104	+ '01	5	+ '131	+ '01	5	- '18	14	- '06	15
85-80	+ '005	+ '01	8	- '019	- '04	14	+ '03	8	- '02	15
80-75	- '064	- '21	24	- '027	- '09	33	+ '08	25	+ '09	38
75-70	- '050	- '23	29	- '018	- '08	42	+ '30	31	+ '24	44
70-65	- '087	- '50	33	- '039	- '22	35	+ '15	30	+ '10	33
65-60	- '048	- '33	23	- '030	- '21	29	+ '13	26	+ '20	29
60-55	- '091	- '73	34	- '038	- '31	35	+ '07	38	+ '34	38
55-50	- '069	- '63	26	- '043	- '39	26	- '05	22	+ '26	26
50-45	- '077	- '78	34	- '037	- '37	38	+ '17	37	+ '37	39
45-40	- '050	- '55	42	- '026	- '29	47	+ '14	42	+ '45	47
40-35	- '037	- '44	50	- '016	- '19	57	+ '08	52	+ '31	55
35-30	- '018	- '23	38	- '018	- '23	43	+ '09	39	+ '34	43
30-25	- '023	- '31	54	- '009	- '12	60	+ '13	52	+ '41	59
25-20	- '016	- '22	49	- '001	- '01	80	+ '15	48	+ '36	79
20-15	- '011	- '16	49	+ '006	+ '09	77	+ '12	48	+ '36	71
15-10	+ '004	+ '06	53	+ '012	+ '18	65	+ '17	51	+ '33	62
10-5	+ '001	+ '02	61	+ '010	+ '15	70	- '03	62	+ '29	70
N. 5-0	+ '001	+ '02	44	+ '013	+ '19	53	+ '05	43	+ '40	53
S. 0-5	+ '004	+ '05	44	+ '020	+ '30	61	- '21	46	+ '19	60
5-10	+ '004	+ '06	49	+ '014	+ '21	60	+ '05	48	+ '29	58
10-15	+ '013	+ '19	35	+ '021	+ '31	52	+ '14	38	+ '41	52
15-20	+ '020	+ '29	43	+ '017	+ '24	69	+ '12	45	+ '45	74
20-25	+ '031	+ '43	31	+ '018	+ '25	61	+ '10	30	+ '43	57
25-30	+ '057	+ '76	21	+ '031	+ '41	23	+ '55	21	+ '46	22
S. 30-35	+ '083	+ '105	5	+ '029	+ '37	5	+ '85	4	+ '71	4

APPENDIX, GREENWICH OBSERVATIONS, 1911.

2

The most noticeable feature is the systematic difference of right ascension when the observations are arranged according to declination. The difference is considerably greater for Newcomb's than for Boss' Catalogue. The observations grouped according to the different positions of the instrument are as follows :—

North Declination.	DIFFERENCES OF R.A. ALTAZ. — BOSS.			
	0°, d.	180°, r.	0°, r.	180° d.
° °	s	s	s	s
70-60	— ·058 ₄₄	+ ·013 ₄₃	— ·061 ₃₉	+ ·023 ₅₄
60-50	— ·030 ₈₄	— ·074 ₈₀	— ·036 ₄₇	— ·038 ₄₇
50-40	— ·021 ₇₀	— ·043 ₇₂	— ·025 ₈₅	— ·028 ₅₈
40-30	— ·028 ₁₂₉	— ·019 ₁₁₈	— ·020 ₁₂₆	— ·017 ₁₄₃
30-20	— ·013 ₂₇₉	— ·013 ₂₄₁	+ ·001 ₄₁₅	— ·009 ₂₉₈
20-10	+ ·007 ₂₄₇	— ·006 ₂₇₂	·000 ₈₅₄	+ ·003 ₂₈₂

The agreement of the different positions shows that if the discordance is attributable to errors in the observations with the altazimuth, these errors are common to the four positions, and the possibility of a systematic error in the adopted level errors is suggested. Corrections to the adopted level errors are given by occasional observations of right ascension of stars by reflexion. The mean of 79 observations of north stars extending from 1900 to 1908 gives a correction of $-''\cdot14$, and the mean of 114 observations of south stars gives a correction of $+''\cdot15$. These results do not indicate any systematic error in the level determinations.

MAGNITUDES.

The magnitudes are taken from the following sources in the order given: The Revised Harvard Photometry, the Harvard Photometry, the Bonn Durchmusterung Catalogues (marked *); Struve's *Mensuræ Micrometricæ* (marked †).

PROPER MOTIONS.

These are taken in order of preference from Newcomb's Fundamental Catalogue, from Boss's Preliminary General Catalogue, or from the New Reduction of Groombridge's Catalogue.

F. W. DYSON.

Royal Observatory, Greenwich,
1912, December 27.

ALTAZIMUTH CATALOGUE, 1900.0.

11

No. in Answers Bradley.	No. in Newcomb's Fundamental Catalogue.	Star's Name.	Magnitude.	Mean R.A., 1900.0.			Mean Date.		No. of Obs.		Annual Preces- sion, 1900.0.	Secular Varia- tion, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Varia- tion, 1900.0.	Annual Proper Motion in Units of "0001.
				h	m	s	Above Pole.	Below Pole.	Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1	3208	1	33 Piscium.....	4.7	0	0 13.011	04.14	3	...	...	+ 3.0722	- .0014	- 6	- 6 15 59.29	04.81	4	...	+20.047	- .009	+ 91
2	3213	...	4 Ceti.....	6.3	2	36.744	05.78	1	...	...	3.0715	+ .0004	+ 18	- 3 6 19.90	05.78	1	...	20.045	.014	+ 9
3	3214	2	5 Ceti.....	6.3	3	4.850	06.86	2	...	...	3.0714	.0005	+ 3	- 3 0 16.18	06.86	2	...	20.045	.015	+ 14
4	3215	3	21 Andromedæ.....	2.2	3	12.992	03.00	26	...	...	3.0825	.0185	+ 107	+28 32 17.88	03.34	17	...	20.045	.015	- 163
5	3216	4	11 Cassiopeiæ.....	2.4	3	50.265	02.86	1	4	...	3.1090	+ .0543	+ 679	+58 35 53.23	03.20	1	6	20.044	.017	- 180
6	...	...	Piazzi 0.1.....	6.0	0	5 11.741	07.91	2	...	...	+ 3.0691	- .0009	+ 20	- 5 48 15.87	07.91	2	...	+20.041	- .019	0
7	1	10	88 Pegasi.....	2.9	8	5.116	03.91	23	...	...	3.0846	+ .0102	+ 3	+14 37 39.15	03.44	17	...	20.034	.024	- 10
8	5	11	35 Piscium.....	5.9	9	49.759	04.90	1	...	...	3.0807	.0068	+ 70	+ 8 15 55.37	04.90	1	...	20.028	.028	- 25
9	12	14	25 Andromedæ.....	4.5	13	6.121	06.82	1	...	...	3.1283	+ .0252	- 44	+36 13 51.02	06.82	1	...	20.014	.035	- 47
10	14	15	8 Ceti.....	3.8	14	19.999	04.16	16	...	...	3.0585	- .0022	- 13	- 9 22 41.66	04.54	11	...	20.008	.036	- 30
11	16	17	41 Piscium.....	5.6	0	15 27.030	06.82	1	...	...	+ 3.0844	+ .0068	+ 3	+ 7 38 5.41	06.82	1	...	+20.001	- .039	+ 16
12	17	18	27 Andromedæ.....	5.2	15	51.183	06.81	1	...	...	3.1430	.0267	+ 55	+37 24 53.04	06.81	1	...	19.999	.040	- 37
13	19	...	42 Piscium.....	6.4	17	15.023	09.78	1	...	...	3.0954	.0098	+ 39	+12 55 (38)	...	...	...	19.989	.042	+ 26
14	...	...	Mayer 7.....	6.3	19	23.096	07.91	2	...	...	3.0669	.0015	- 24	- 2 46 20.22	07.91	2	...	19.975	.046	- 51
15	25	19	44 Piscium.....	6.0	20	16.569	04.11	14	...	...	3.0752	.0037	- 14	+ 1 23 9.56	05.00	9	...	19.968	.048	- 23
16	29	22	10 Ceti.....	6.4	0	21 29.663	06.11	3	...	...	+ 3.0710	+ .0028	+ 57	- 0 36 11.81	06.11	3	...	+19.959	- .051	+ 11
17	34	...	Bradley 34.....	6.4	24	29.365	08.62	1	...	...	3.6646	.1815	+ 954	+76 28 2.08	05.22	1	4	19.932	.067	- 16
18	38	23	12 Ceti.....	6.0	24	56.139	03.23	6	...	...	3.0609	.0009	+ 11	- 4 30 34.99	03.57	9	...	19.928	.057	0
19	43	27	15 Cassiopeiæ.....	4.2	27	18.637	05.27	2	1	...	3.3760	.0712	+ 17	+62 22 48.32	05.25	2	1	19.905	.067	- 2
20	50	30	13 Ceti.....	5.2	30	6.006	06.36	4	...	...	3.0597	.0014	+ 273	- 4 8 36.24	06.26	5	...	19.874	.068	- 17
21	51	...	14 Ceti.....	5.9	0	30 24.807	07.80	4	...	...	+ 3.0691	+ .0030	+ 98	- 1 3 18.65	07.80	4	...	+19.871	- .068	- 59
22	52	31	17 Cassiopeiæ.....	3.7	31	23.697	01.91	2	...	...	3.3176	.0497	+ 36	+53 20 48.37	01.91	2	...	19.859	.075	- 7
23	53	32	29 Andromedæ.....	4.4	31	32.249	05.84	2	...	...	3.1922	.0244	+ 19	+33 10 8.74	05.84	2	...	19.857	.072	+ 1
24	56	35	30 Andromedæ.....	4.5	33	16.127	03.23	22	...	...	3.1785	.0208	- 172	+28 46 8.06	03.17	21	...	19.836	.075	- 254
25	57	36	31 Andromedæ.....	3.5	33	56.674	04.86	2	...	...	3.1878	.0224	+ 110	+30 18 49.79	06.43	5	...	19.827	.078	- 97
26	58	...	54 Piscium.....	6.1	0	34 9.686	09.82	1	...	...	+ 3.1474	+ .0151	- 330	+20 42 (40)	...	...	...	+19.825	- .075	- 375
27	59	37	18 Cassiopeiæ.....	2.5	34	49.663	04.88	3	2	...	3.3722	+ .0561	+ 63	+55 59 20.16	04.07	4	3	19.816	.083	- 32
28	70	39	16 Ceti.....	2.2	38	34.225	03.37	14	...	...	2.9973	- .0054	+ 160	-18 32 7.40	03.43	14	...	19.764	.082	+ 41
29	...	...	Oeltz, Arg. N. 664-5	9.0*	39 (0)	...	...	...	...	...	3.8781	+ .1635	...	+74 18 29.88	08.01	1	...	19.757	.104	0
30	66	41	21 Cassiopeiæ.....	5.6	39	2.334	07.30	5	3	...	3.8860	.1649	- 50	+74 26 29.44	06.55	8	5	19.757	.104	- 26
31	69	42	22 Cassiopeiæ.....	4.7	0	39 8.967	05.30	2	...	...	+ 3.3223	+ .0417	+ 28	+47 44 13.77	05.30	2	...	+19.755	- .091	- 6
32	...	...	B. D. + 74° 28.....	9.2*	39 (46)	...	...	...	...	...	3.8947	.1659	...	+74 19 40.50	08.01	1	...	19.745	.108	...
33	72	...	23 Cassiopeiæ.....	5.4	41	5.369	08.01	1	...	...	3.9202	.1663	+ 44	+74 18 5.43	08.01	1	...	19.726	.110	- 12
34	...	...	Lalande F. 118.....	6.0	41	35.373	04.34	...	1	...	3.8205	.1394	+ 280	+72 7 41.00	04.34	...	1	19.717	.109	0
35	78	45	34 Andromedæ.....	4.3	42	2.136	04.39	2	...	...	3.1795	.0179	- 73	+23 43 22.88	04.39	2	...	19.711	.093	- 78
36	...	47	Mayer 24.....	5.8	0	43 8.271	05.80	2	...	...	+ 3.0932	+ .0065	+ 483	+ 4 45 59.46	05.80	4	...	+19.693	- .095	- 1132
37	85	49	63 Piscium.....	4.6	43	29.606	03.25	16	...	...	3.1035	.0080	+ 55	+ 7 2 26.80	02.56	9	...	19.687	.094	- 44
38	87	50	35 Andromedæ.....	4.4	44	17.713	03.18	3	...	...	3.2919	.0329	+ 13	+40 32 4.30	03.18	3	...	19.674	.101	- 29
39	82	51	Bradley 82.....	5.5	44	39.397	07.91	2	...	...	3.5959	.0838	+ 51	+63 42 10.86	08.09	2	2	19.668	.110	- 9
40	93	53	20 Ceti.....	4.9	47	53.823	03.16	21	...	...	3.0642	.0037	- 5	- 1 40 13.71	04.97	15	...	19.611	.101	- 3
41	99	54	27 Cassiopeiæ.....	2.3	0	50 40.125	05.09	2	2	...	+ 3.5835	+ .0723	+ 36	+60 10 31.16	04.83	2	5	+19.559	- .123	- 5
42	101	55	37 Andromedæ.....	3.9	51	11.993	03.35	12	...	...	3.3033	.0309	+ 132	+37 57 25.30	02.63	8	...	19.549	.116	+ 30
43	105	57	68 Piscium.....	5.6	52	25.453	04.91	1	...	...	3.2365	+ .0221	- 4	+28 27 3.75	04.91	1	...	19.525	.115	- 26
44	...	58	Sculptoris.....	4.4	53	47.362	06.37	2	...	...	2.8937	- .0099	- 18	-29 53 53.49	06.37	2	...	19.497	.106	- 13
45	92	59	2 Ursæ Minoris.....	4.5	55	2.000	04.57	2	2	...	7.3195	+1.4799	+ 714	+85 43 14.68	03.57	10	1	19.472	.267	- 4
46	65	60	Bradley 65.....	6.5	0	55 37.926	05.22	...	2	...	+15.2364	+9.9019	+1705	+88 29 15.38	05.07	...	1	+19.460	- .542	- 21
47	110	...	70 Piscium.....	8.0*	56	54.843	04.36	2	...	...	3.1150	.0088	+ 16	+ 7 24 4.80	04.36	2	...	19.432	.120	+ 31
48	...	...	Groombridge 215.....	6.8	57	38.315	08.80	2	...	...	4.2200	.1790	+ 82	+73 50 6.58	06.40	4	...	19.415	.161	- 3
49	113	61	71 Piscium.....	4.5	57	45.132	02.87	24	...	...	3.1153	.0088	- 54	+ 7 21 6.87	02.68	14	...	19.414	.121	+ 26
50	116	...	26 Ceti.....	6.1	58	40.170	08.15	3	...	...	3.0773	.0055	+ 81	+ 0 49 51.52	08.15	3	...	19.394	.123	- 37

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Answers Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A., 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
51	119	64	72 Piscium.....	5.7	h m s 0 59 48.532	07.47	5	...	+ 3.1609	+ .0129	- 1	+14 24 29.24	07.47	5	...	+19.368	- .127	+ 54
52	...	...	Carrington 137.....	9.2*	1 0 12.554	08.36	...	1	13.8906	7.003	+ 610	+88 7 49.98	08.36	...	1	19.361	.529	- 9
53	118	65	30 Cassiopeia.....	5.3	1 36.841	01.88	7	4	3.5687	.0661	+3912	+54 25 47.03	01.98	7	4	19.327	.185	-1552
54	136	67	80 Piscium.....	5.7	3 13.036	05.88	3	...	3.1050	.0078	- 180	+ 5 7 14.62	05.85	4	...	19.289	.130	- 171
55	117	70	Bradley 117.....	5.7	3 (37)	...	...	...	4.9817	.3433	+ 307	+79 8 30.24	08.40	...	1	19.279	.210	+ 3
56	140	71	43 Andromedæ.....	2.4	1 4 7.786	02.62	35	...	+ 3.3317	+ .0289	+ 148	+35 5 25.63	02.31	18	...	+19.267	- .144	- 117
57	148	...	33 Ceti.....	6.2	5 24.790	07.91	2	...	3.0849	.0063	- 10	+ 1 54 49.11	07.91	2	...	19.236	.135	- 7
58	158	76	86 Piscium.....	5.6	8 30.338	02.83	21	...	3.1210	.0091	+ 96	+ 7 2 47.60	03.75	12	...	19.158	.143	- 52
59	164	77	37 Ceti.....	5.2	9 21.817	05.98	3	...	3.0131	.0016	+ 81	- 8 27 37.85	06.46	2	...	19.136	.140	+ 263
60	171	79	89 Piscium.....	5.3	12 38.431	05.74	10	...	3.0948	.0073	- 33	+ 3 5 17.22	05.74	10	...	19.048	.148	- 26
61	173	80	90 Piscium.....	4.7	1 13 58.079	04.32	7	...	+ 3.2859	+ .0220	+ 16	+26 44 18.86	04.25	14	...	+19.012	- .160	- 8
62	176	81	91 Piscium.....	5.6	15 35.531	05.39	2	...	3.3046	.0232	+ 13	+28 12 56.75	05.39	2	...	18.966	.164	- 93
63	178	83	36 Cassiopeia.....	5.0	18 51.760	08.52	1	2	4.1666	.1230	+ 122	+67 36 28.84	08.56	1	2	18.872	.214	+ 31
64	184	85	45 Ceti.....	3.8	19 1.495	03.72	18	...	3.0032	.0018	- 57	- 8 41 58.06	04.98	12	...	18.867	.156	- 215
65	180	86	37 Cassiopeia.....	2.8	19 16.178	03.34	3	4	3.8482	.0793	+ 406	+59 42 56.71	02.96	3	6	18.860	.202	- 37
66	102	89	1 Ursæ Minoris.....	2.1	1 22 (33)	...	...	...	+25.0845	+20.136	+1364	+88 46 26.48	03.04	88	87	+18.760	-1.311	+ 3
67	...	...	B. D. + 49° 399.....	8.5*	24 0.451	01.24	3	...	3.6317	.0504	...	+49 25 31.33	01.24	3	...	18.715	.198	...
68	196	...	49 Andromedæ.....	5.3	24 6.155	01.23	3	...	3.5776	.0451	+ 7	+46 29 29.77	00.93	3	...	18.711	.195	- 44
69	...	...	B. D. + 51° 317.....	8.8*	24 26.096	01.28	3	...	3.6792	.0550	...	+51 34 41.31	01.18	3	...	18.701	.201	...
70	...	...	B. D. + 47° 429.....	8.6*	24 33.482	01.30	3	...	3.5963	.0467	...	+47 22 50.12	01.20	3	...	18.697	.197	...
71	...	...	B. D. + 49° 401.....	8.5*	1 24 37.703	01.68	4	...	+ 3.6504	+ .0515	...	+50 9 6.93	01.47	3	...	+18.694	-0.196	...
72	...	...	B. D. + 46° 373.....	8.5*	24 47.858	01.55	3	...	3.5916	.0461	...	+47 3 4.13	01.55	3	...	18.689	.198	...
73	...	...	B. D. + 48° 453.....	7.1	24 54.220	01.60	3	...	3.6257	.0490	...	+48 49 42.09	01.45	3	...	18.686	.196	...
74	199	93	98 Piscium.....	5.1	24 56.656	07.87	5	...	3.1200	.0091	+ 199	+ 5 37 42.21	07.91	7	...	18.686	.175	- 27
75	...	...	B. D. + 48° 454.....	8.8*	25 25.663	01.89	3	...	3.6230	.0484	...	+48 31 27.43	01.89	3	...	18.669	.197	...
76	...	...	B. D. + 51° 323.....	7.8*	1 25 46.400	01.62	3	...	+ 3.6968	+ .0560	...	+51 57 17.46	01.62	3	...	+18.659	- .205	...
77	203	94	99 Piscium.....	3.7	26 7.857	03.73	7	...	3.2022	.0142	+ 15	+14 49 49.05	04.62	4	...	18.648	.180	- 3
78	...	...	B. D. + 50° 299.....	8.7*	26 22.508	01.64	2	...	3.6651	.0520	...	+50 18 34.44	01.49	3	...	18.639	.201	...
79	...	...	B. D. + 48° 463.....	8.3*	27 16.069	01.62	4	...	3.6339	.0490	...	+48 30 19.03	01.62	4	...	18.610	.205	...
80	...	...	B. D. + 51° 331.....	8.8*	27 58.673	01.62	3	...	3.6977	.0548	...	+51 19 13.69	01.62	3	...	18.587	.210	...
81	...	...	B. D. + 45° 376.....	8.5*	1 28 0.226	01.43	2	...	+ 3.5813	+ .0437	...	+45 27 48.03	01.43	2	...	+18.586	- .204	...
82	...	...	B. D. + 47° 450.....	8.8*	28 5.279	00.95	1	...	3.6272	.0479	...	+47 54 30.01	00.95	1	...	18.584	.206	...
83	...	...	B. D. + 48° 470.....	7.7	28 20.231	01.01	1	...	3.6515	.0497	...	+49 3 3.70	01.01	1	...	18.575	.204	...
84	...	...	B. D. + 45° 379.....	9.0*	28 33.199	01.01	1	...	3.5942	.0443	...	+46 0 46.41	01.01	1	...	18.568	.202	...
85	...	...	B. D. + 51° 334.....	8.8*	28 33.637	01.43	2	...	3.7088	.0556	...	+51 38 28.56	01.43	2	...	18.568	.212	...
86	...	...	B. D. + 44° 326.....	8.5*	1 28 37.712	01.46	2	...	+ 3.5780	+ .0431	...	+45 5 58.96	01.46	2	...	+18.566	- .205	...
87	...	...	Piazzia I. 102.....	6.4	29 9.349	03.93	1	...	4.8156	.2087	+ 90	+73 47 23.62	03.93	2	...	18.549	.275	- 20
88	...	...	B. D. + 45° 383.....	8.8*	29 15.672	01.88	2	...	3.5856	.0432	...	+45 19 1.62	01.92	1	...	18.545	.203	...
89	...	...	B. D. + 44° 329.....	8.4*	29 20.363	01.02	1	...	3.5701	.0418	...	+44 24 51.35	01.32	2	...	18.542	.202	...
90	...	...	B. D. + 51° 338.....	7.7*	29 22.384	01.43	2	...	3.7146	.0557	...	+51 39 7.33	01.43	2	...	18.541	.214	...
91	...	...	B. D. + 46° 389.....	8.6*	1 29 30.327	01.94	1	...	+ 3.6064	+ .0450	...	+46 22 52.58	01.94	1	...	+18.537	- .204	...
92	...	...	B. D. + 46° 393.....	7.0	29 59.200	01.04	2	...	3.6133	.0454	...	+46 36 11.85	01.04	2	...	18.521	.206	...
93	...	...	B. D. + 48° 477.....	8.5*	30 2.978	01.93	2	...	3.6547	.0492	...	+48 41 36.37	01.93	2	...	18.518	.208	...
94	...	...	B. D. + 46° 397.....	7.4	30 18.594	01.89	1	...	3.6192	.0458	...	+46 48 54.21	01.89	1	...	18.510	.207	...
95	207	...	Bradley 207.....	6.2	30 20.245	01.45	2	...	3.6467	.0487	- 4	+48 12 43.32	01.45	2	...	18.509	.212	- 13
96	...	...	B. D. + 51° 339.....	7.9	1 30 24.201	01.03	1	...	+ 3.7121	+ .0544	...	+51 14 16.08	01.03	1	...	-18.507	- .212	...
97	206	96	40 Cassiopeia.....	5.5	30 (31)	...	...	...	4.7063	.1864	- 11	+72 31 49.51	01.34	...	2	18.503	.272	- 2
98	...	...	B. D. + 47° 462.....	8.1	30 32.810	00.99	2	...	3.6350	.0475	...	+47 33 44.86	00.99	2	...	18.502	.212	...
99	...	...	B. D. + 52° 387.....	9.1*	30 39.247	01.93	1	...	3.7459	.0576	...	+52 35 43.48	01.93	1	...	18.498	.214	...
100	...	...	B. D. + 47° 463.....	7.3	30 40.211	01.40	2	...	3.6405	.0479	...	+47 48 17.55	01.40	2	...	18.498	.213	...

ALTAZIMUTH CATALOGUE, 1900.0.

No. in Bradley.	No. in Newcomb's Fundamental Catalogue.	Star's Name.	Magnitude.	Mean R.A., 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.
						Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1755.	1900.																
101	...	...	B. D. + 50° 314....	8.8*	h m s												
102	...	...	B. D. + 46° 404....	7.7*	1 30 44.220	01.83	1	...	+ 3.7034	+ .0534	...	...	...	...	...	...	...
103	...	...	B. D. + 45° 392....	7.6*	31 12.856	01.01	1	...	3.6171	.0452	...	...	...	...	...	...	...
104	...	...	B. D. + 45° 394....	8.9*	31 13.690	01.45	2	...	3.6079	.0444	...	...	...	...	...	...	...
105	...	...	B. D. + 45° 394....	8.9*	31 25.009	00.97	1	...	3.5996	.0439	...	...	...	...	...	...	...
106	214	98	B. D. + 49° 422....	8.9*	31 41.978	01.94	1	...	3.6950	.0521	...	...	...	...	...	...	...
107	212	99	102 Piscium.....	5.6	1 31 47.815	03.94	1	...	+ 3.1796	+ .0125	- 49	...	...	...	...	...	...
108	...	...	51 Andromedæ.....	3.8	31 50.979	08.77	1	...	3.6539	.0486	+ 64	...	...	...	...	...	...
109	...	...	B. D. + 44° 335....	9.0*	32 (9)	...	...	...	3.5826	.0418	...	...	...	...	...	...	...
110	...	...	B. D. + 44° 337....	8.7*	32 20.613	00.98	2	...	3.5993	.0435	...	...	...	...	...	...	...
111	...	...	B. D. + 45° 398....	8.2*	32 22.300	01.01	1	...	3.6137	.0444	...	...	...	...	...	...	...
112	...	...	B. D. + 52° 392....	8.7*	1 32 27.200	01.83	1	...	+ 3.7626	+ .0582	...	...	...	...	...	...	...
113	...	...	B. D. + 44° 341....	6.3	32 30.282	01.59	3	...	3.5953	.0431	...	...	...	...	...	...	...
114	...	...	B. D. + 43° 337....	7.5*	32 39.614	01.48	2	...	3.5937	.0408	...	...	...	...	...	...	...
115	...	...	B. D. + 53° 355....	8.0*	33 5.014	01.82	1	...	3.7893	.0605	...	...	...	...	...	...	...
116	...	...	B. D. + 52° 399....	8.2*	33 13.314	01.89	2	...	3.7593	.0574	...	...	...	...	...	...	...
117	218	...	B. D. + 51° 357....	7.6*	1 33 13.568	01.98	2	...	+ 3.7434	+ .0559	...	...	...	...	...	...	...
118	...	...	52 Andromedæ.....	5.2	33 20.979	01.64	3	...	3.5815	.0412	- 16	...	...	...	...	...	...
119	...	...	B. D. + 51° 360....	8.5*	33 34.278	01.89	1	...	3.7550	.0568	...	...	...	...	...	...	...
120	...	...	B. D. + 41° 321....	8.8*	33 41.438	01.94	1	...	3.5546	.0389	...	...	...	...	...	...	...
121	...	...	B. D. + 39° 373....	9.0*	33 45.045	05.92	1	...	3.5197	.0360	...	...	...	...	...	...	...
122	...	...	B. D. + 53° 363....	6.6	1 33 51.425	01.46	2	...	+ 3.7880	+ .0598	...	...	...	...	...	...	...
123	...	...	B. D. + 51° 363....	8.6*	34 2.504	01.91	1	...	3.7393	.0551	...	...	...	...	...	...	...
124	...	...	B. D. + 51° 364....	8.4*	34 10.127	01.96	1	...	3.7563	.0566	...	...	...	...	...	...	...
125	...	...	B. D. + 44° 346....	9.3*	34 45.147	01.93	2	...	3.5960	.0419	...	...	...	...	...	...	...
126	216	103	B. D. + 44° 347....	8.5*	34 47.988	01.26	3	...	3.6006	.0426	...	...	...	...	...	...	...
127	...	...	43 Cassiopeiæ.....	5.5	1 34 55.890	03.43	2	...	+ 4.3733	+ .1286	+ 88	...	...	...	...	...	...
128	...	...	B. D. + 45° 416....	8.3*	35 22.623	01.52	2	...	3.6301	.0446	...	...	...	...	...	...	...
129	...	...	B. D. + 52° 406....	9.0*	35 23.090	00.97	1	...	3.7862	.0593	...	...	...	...	...	...	...
130	...	...	B. D. + 44° 352....	9.0*	35 50.825	01.58	3	...	3.6166	.0436	...	...	...	...	...	...	...
131	228	104	B. D. + 42° 352....	7.5*	36 3.667	00.88	3	...	3.5821	.0406	...	...	...	...	...	...	...
132	...	...	106 Piscium.....	4.7	1 36 13.599	05.37	12	...	+ 3.1198	+ .0091	- 15	...	...	...	...	...	...
133	...	...	B. D. + 42° 354....	8.6*	36 15.850	01.59	3	...	3.5721	.0397	...	...	...	...	...	...	...
134	...	...	B. D. + 41° 329....	8.5*	36 16.640	00.93	1	...	3.5533	.0381	...	...	...	...	...	...	...
135	...	...	B. D. + 45° 422....	9.4*	36 23.895	01.94	1	...	3.6284	.0441	...	...	...	...	...	...	...
136	...	...	B. D. + 45° 424....	9.1*	37 4.223	01.64	3	...	3.6302	.0439	...	...	...	...	...	...	...
137	...	...	B. D. + 44° 354....	6.5	1 37 11.155	01.03	1	...	+ 3.6188	+ .0429	...	...	...	...	...	...	...
138	...	...	B. D. + 42° 356....	8.8*	37 17.184	01.83	1	...	3.5893	.0405	...	...	...	...	...	...	...
139	227	105	B. D. + 52° 420....	6.8	37 17.238	01.93	2	...	3.7868	.0578	...	...	...	...	...	...	...
140	...	...	54 Andromedæ.....	4.2	37 23.437	01.90	1	...	3.7333	.0532	+ 31	...	...	...	...	...	...
141	...	...	B. D. + 53° 375....	8.6*	37 25.503	01.42	2	...	3.8159	.0609	...	...	...	...	...	...	...
142	...	...	B. D. + 54° 368....	7.2	1 37 46.880	00.95	1	...	+ 3.8445	+ .0635	...	...	...	...	...	...	...
143	...	...	B. D. + 52° 424....	8.5*	37 58.496	01.48	2	...	3.7995	.0590	...	...	...	...	...	...	...
144	...	...	B. D. + 42° 360....	7.7*	38 5.253	01.42	2	...	3.5850	.0398	...	...	...	...	...	...	...
145	233	107	B. D. + 42° 361....	8.7*	38 13.546	01.47	2	...	3.5930	.0404	...	...	...	...	...	...	...
146	...	...	52 Ceti.....	3.6	39 25.398	04.90	3	...	2.9063	.0009	- 1199	...	...	...	...	...	...
147	232	108	B. D. + 52° 433....	8.8*	1 39 43.350	01.28	3	...	+ 3.8229	+ .0603	...	...	...	...	...	...	...
148	...	...	110 Piscium.....	4.5	e 40 6.716	04.39	7	...	3.1584	.0112	+ 49	...	...	...	...	...	...
149	...	...	B. D. + 43° 364....	8.5*	40 15.527	01.59	3	...	3.6220	.0423	...	...	...	...	...	...	...
150	...	...	B. D. + 42° 370....	7.4	40 16.720	01.47	2	...	3.6043	.0406	...	...	...	...	...	...	...
151	...	...	B. D. + 40° 364....	7.8*	40 37.072	00.96	3	...	3.5672	.0378	...	...	...	...	...	...	...

ALTAZIMUTH CATALOGUE, 1900'0.

No.	No. in Auwers' Bradley.	No. in Newcomb's Fundamental Catalogue.	Star's Name.	Magnitude.	Mean R. A., 1900°0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900°0.	Secular Varia- tion, 1900°0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900°0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900°0.	Secular Varia- tion, 1900°0.	Annual Proper Motion in Units of "001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
151	...	109	Sculptoris.....	5.4	h m s 1 40 57.824	02.96	1	...	+ 2.7999	- .0037	+ 52	-25 33 5.12	02.96	1	...	+18.133	- .183	- 51
152	...	...	B. D. + 41° 342....	8.7*	41 11.182	01.63	3	...	3.5811	+ .0385	...	+41 41 38.70	01.48	3	...	18.124	.227	...
153	...	...	B. D. + 53° 386....	7.2	41 14.740	01.63	3	...	3.8448	.0610	...	+53 30 17.43	01.54	3	...	18.121	.243	...
154	...	...	B. D. + 42° 373....	7.6	41 25.326	01.58	3	...	3.5983	.0400	...	+42 34 50.72	01.58	3	...	18.115	.232	...
155	...	...	B. D. + 53° 388....	8.0*	41 35.092	01.93	3	...	3.8440	.0607	...	+53 23 24.80	01.93	3	...	18.109	.244	...
156	...	...	B. D. + 41° 347....	9.0*	1 41 45.015	01.89	1	...	+ 3.5879	+ .0388	...	+41 55 23.98	01.89	1	...	+18.103	- .229	...
157	...	...	B. D. + 52° 441....	8.8*	41 52.946	01.99	2	...	3.8283	.0591	...	+52 44 57.91	01.99	2	...	18.098	.243	...
158	...	...	B.D.+42° 375 (1st*)	9.0*	41 53.430	01.89	1	...	3.6032	.0400	...	+42 44 47.01	01.89	1	...	18.098	.230	...
159	...	...	B. D. + 54° 383....	8.9*	42 39.623	00.97	2	...	3.8884	.0647	...	+54 38 37.10	00.97	2	...	18.068	.253	...
160	...	...	Groombridge 379....	6.9	42 48.225	06.17	1	1	5.2497	.2505	+ 206	+75 5 38.65	06.46	4	1	18.063	.340	- 39
161	...	...	B. D. + 53° 395....	8.8*	1 43 10.903	01.48	2	...	+ 3.8561	+ .0614	...	+53 25 1.22	01.48	2	...	+18.048	- .253	...
162	...	...	B. D. + 43° 373....	8.5*	43 11.090	00.93	1	...	3.6197	.0411	...	+43 14 15.15	01.42	2	...	18.048	.237	...
163	...	...	B. D. + 41° 353....	8.4*	43 14.278	01.30	3	...	3.5870	.0385	...	+41 29 30.55	01.20	3	...	18.047	.236	...
164	...	...	B. D. + 54° 388....	8.4*	43 57.618	01.56	3	...	3.9003	.0651	...	+54 43 14.79	01.56	3	...	18.019	.257	...
165	...	...	B. D. + 53° 398....	8.5*	44 0.324	01.55	3	...	3.8570	.0610	...	+53 14 45.10	01.55	3	...	18.017	.254	...
166	...	...	B. D. + 54° 392....	8.4*	1 44 42.151	01.33	3	...	+ 3.9116	+ .0652	...	+54 54 37.76	01.21	3	...	+17.990	- .255	...
167	...	...	B. D. + 54° 393....	7.1	44 53.453	01.26	3	...	3.8983	.0643	...	+54 25 44.04	01.16	3	...	17.983	.259	...
168	...	...	B. D. + 42° 388....	7.8*	45 2.998	01.58	3	...	3.6245	.0408	...	+43 1 45.07	01.58	3	...	17.977	.242	...
169	...	...	B. D. + 53° 402....	8.7*	45 11.577	01.63	3	...	3.8690	.0610	...	+53 22 18.73	01.47	3	...	17.972	.253	...
170	...	...	B. D. + 42° 390....	8.4*	45 21.874	01.69	3	...	3.6115	.0395	...	+42 16 6.66	01.58	3	...	17.964	.238	...
171	237	...	1 Persei.....	5.5	1 45 24.920	00.98	4	...	+ 3.9090	+ .0650	+ 39	+54 39 8.95	00.98	4	...	+17.963	- .261	- 9
172	243	...	54 Ceti.....	5.9	45 33.506	08.08	3	...	3.1829	.0123	- 48	+10 32 52.92	08.08	3	...	17.957	.213	- 27
173	...	...	B. D. + 39° 421....	8.9*	46 25.465	01.96	2	...	3.5756	.0365	...	+40 3 10.58	01.96	2	...	17.924	.238	...
174	247	116	55 Ceti.....	3.9	46 31.412	04.94	4	...	2.9577	.0024	+ 20	+10 49 44.33	04.64	6	...	17.920	.201	- 27
175	...	...	B. D. + 41° 362....	8.0*	46 43.097	01.97	2	...	3.6005	.0382	...	+41 20 51.93	01.95	3	...	17.912	.240	...
176	...	...	B. D. + 40° 390....	8.0*	1 46 48.910	01.90	2	...	+ 3.5943	+ .0377	...	+40 59 26.85	01.90	2	...	+17.908	- .240	...
177	...	...	B. D. + 41° 364....	8.8*	47 10.144	01.62	3	...	3.6156	.0394	...	+42 2 16.29	01.62	3	...	17.894	.245	...
178	...	...	B. D. + 54° 408....	6.5	47 11.002	01.01	3	...	3.9363	.0665	...	+55 6 17.29	01.01	3	...	17.894	.267	...
179	239	117	45 Cassiopeia.....	3.4	47 11.621	05.70	3	2	4.2641	.1004	+ 53	+63 10 39.93	04.90	3	5	17.894	.289	- 15
180	244	...	55 Andromeda.....	5.6	47 17.282	00.97	4	...	3.5826	.0369	...	+40 14 11.73	00.98	3	...	17.890	.243	- 9
181	245	118	2 Trianguli.....	3.6	1 47 22.718	05.51	2	...	+ 3.4081	+ .0249	+ 15	+29 6 30.91	05.69	3	...	+17.886	- .232	- 231
182	...	...	B. D. + 53° 416....	8.2*	48 7.325	01.61	3	...	3.8903	.0617	...	+53 23 58.29	01.61	3	...	17.857	.266	...
183	...	...	B. D. + 54° 413....	9.0*	48 13.043	01.66	3	...	3.9165	.0636	...	+54 14 10.76	01.50	3	...	17.853	.263	...
184	251	120	111 Piscium.....	4.8	48 22.739	02.96	1	...	3.1010	.0084	+ 15	+ 2 41 40.99	02.96	1	...	17.847	.214	+ 021
185	...	...	B. D. + 53° 419....	7.5	48 25.802	01.55	3	...	3.9014	.0621	...	+53 41 48.89	01.49	3	...	17.844	.262	...
186	...	...	B. D. + 40° 400....	8.7*	1 48 27.388	01.42	2	...	+ 3.5908	+ .0370	...	+40 23 52.62	01.29	2	...	+17.843	- .243	...
187	...	...	B. D. + 39° 431....	7.3	48 37.421	01.82	2	...	3.5873	.0367	...	+40 9 51.49	01.82	2	...	17.837	.243	...
188	...	...	B. D. + 40° 401....	9.1*	48 38.892	01.45	2	...	3.6056	.0382	...	+41 8 58.36	01.45	2	...	17.835	.248	...
189	...	...	B. D. + 39° 434....	6.3	48 52.568	01.14	5	...	3.5893	.0370	...	+40 12 44.25	01.09	5	...	17.826	.247	...
190	252	121	6 Arietis.....	2.7	49 6.830	04.75	19	...	3.2992	.0183	+ 64	+20 19 9.56	04.50	11	...	17.817	.229	- 111
191	...	...	B. D. + 54° 415....	8.0*	1 49 8.418	01.64	3	...	+ 3.9502	+ .0666	...	+55 5 11.13	01.64	3	...	+17.816	- .272	...
192	...	...	B. D. + 55° 440....	8.5*	49 13.574	01.89	1	...	3.9591	.0668	...	+55 20 14.19	01.89	1	...	17.812	.268	...
193	...	...	B. D. + 54° 417....	8.2*	49 32.133	01.43	2	...	3.9558	.0669	...	+55 9 55.15	01.43	2	...	17.800	.273	...
194	...	...	B. D. + 41° 374....	6.8	50 28.398	01.05	3	...	3.6187	.0384	...	+41 24 8.86	01.05	3	...	17.762	.249	...
195	...	...	B. D. + 41° 377....	8.0*	51 9.499	01.91	2	...	3.6194	.0383	...	+41 16 38.16	01.91	2	...	17.734	.250	...
196	...	...	B. D. + 40° 406....	8.5*	1 51 13.839	01.98	3	...	+ 3.6006	+ .0369	...	+40 16 18.89	01.98	3	...	+17.731	- .249	...
197	...	...	B. D. + 53° 428....	8.9*	51 36.418	01.46	2	...	3.9371	.0639	...	+54 7 13.13	01.46	2	...	17.716	.276	...
198	...	...	B. D. + 40° 409....	8.4*	51 53.946	02.05	1	...	3.6071	.0372	...	+40 27 42.86	02.05	1	...	17.704	.251	...
199	...	...	B. D. + 54° 429....	7.6*	52 10.056	01.27	3	...	3.9730	.0668	...	+55 5 40.35	01.17	3	...	17.693	.280	...
200	...	...	B. D. + 40° 412....	8.2*	52 20.545	01.92	1	...	3.6084	.0372	...	+40 25 35.24	01.92	1	...	17.685	.252	...

ALTAZIMUTH CATALOGUE, 1900.0.

15

No. in Answers Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A., 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "001.	
						Above Pole.	Below Pole.						Above Pole.	Below Pole.				
201	263	123	9 Arietis.....	4.8	h m s	1	...	+ 3.3408	+ .0203	- 59	+23 6 30.32	08.01	1	...	+17.686	- .236	- 18	
202	...	...	B. D. + 39° 447....	8.8*	52 21.203	01.40	2	...	3.6014	.0369	...	+40 3 4.44	01.40	2	...	17.684	.255	...
203	...	...	B. D. + 55° 464....	8.2*	52 50.831	01.56	2	...	3.9849	.0670	...	+55 17 55.41	01.56	2	...	17.664	.278	...
204	...	...	Groombridge 410....	6.7	52 52.351	05.04	1	...	5.4335	.2560	+ 59	+75 1 3.13	05.04	1	...	17.664	.383	- 12
205	268	...	58 Ceti.....	6.6	52 54.549	99.95	1	...	3.0442	.0062	+ 31	- 2 32 (50)	...	...	...	17.662	.218	+ 23
206	...	...	B. D. + 54° 431....	9.0*	52 56.244	01.48	2	...	3.9535	+.0647	...	+54 20 9.47	01.48	2	...	+17.661	- .280	...
207	...	...	B. D. + 39° 448....	8.0*	53 36.108	01.54	3	...	3.6073	.0369	...	+40 4 43.53	01.54	3	...	17.633	.258	...
208	...	...	B. D. + 40° 415....	7.5	53 39.131	01.28	3	...	3.6226	.0380	...	+40 51 51.06	01.18	3	...	17.631	.259	...
209	...	...	B. D. + 37° 452....	7.4*	54 18.489	01.60	3	...	3.5739	.0343	...	+38 6 45.32	01.53	3	...	17.604	.253	...
210	...	...	Groombridge 422....	6.2	54 18.960	06.84	1	...	5.2125	.2152	- 58	+73 22 0.81	06.84	1	...	17.604	.367	+ 13
211	...	...	B. D. + 39° 450....	7.9*	54 28.613	01.54	3	...	3.5997	+.0362	...	+39 28 55.99	01.54	3	...	+17.597	- .259	...
212	...	...	B. D. + 40° 421....	7.6*	54 41.243	01.35	3	...	3.6275	.0378	...	+40 52 34.37	01.23	3	...	17.588	.258	...
213	...	...	Piazzi I. 225.....	7.1	54 44.209	99.95	1	...	3.1347	.0100	+ 42	+ 5 33 (1)	...	...	...	17.587	.227	- 25
214	...	...	B. D. + 38° 392....	7.8*	54 46.735	01.63	3	...	3.5947	.0357	...	+39 8 29.22	01.63	3	...	17.584	.259	...
215	260	126	50 Cassiopeiae.....	4.1	54 53.152	04.19	7	4	5.0416	.1894	- 92	+71 56 15.32	04.25	9	4	17.580	.359	+ 20
216	...	...	B. D. + 40° 423....	6.9	55 8.893	01.61	3	...	3.6266	+.0376	...	+40 43 40.14	01.47	3	...	+17.569	- .259	...
217	273	127	59 Ceti.....	4.2	55 17.596	05.49	2	...	2.8177	-.0012	+ 82	-21 33 42.81	05.49	2	...	17.563	.207	- 8
218	...	...	B. D. + 53° 437....	9.0*	55 22.531	01.89	3	...	3.9450	+.0622	...	+53 32 0.95	01.89	3	...	17.559	.280	...
219	266	128	53 Cassiopeiae.....	5.6	55 35.674	06.12	2	1	4.3911	.1061	+ 8	+63 54 26.33	06.02	3	1	17.550	.317	+ 4
220	269	...	4 Persei.....	9.0*	55 38.260	01.02	3	...	3.9619	.0639	+ 47	+54 0 15.44	01.02	3	...	17.548	.287	+ 3
221	...	...	B. D. + 39° 454....	8.4*	55 44.993	01.43	2	...	3.6186	+.0371	...	+40 11 3.14	01.43	2	...	+17.543	- .263	...
222	259	...	49 Cassiopeiae.....	5.3	55 57.429	05.04	1	...	5.6014	.2758	- 20	+75 39 4.38	05.04	1	...	17.535	.403	- 16
223	...	...	B. D. + 54° 444....	7.9*	56 26.798	01.68	3	...	3.9925	.0661	...	+54 44 59.36	01.68	3	...	17.514	.291	...
224	...	...	B. D. + 37° 465....	8.1*	56 38.117	01.03	2	...	3.5823	.0342	...	+38 3 41.26	01.03	2	...	17.506	.259	...
225	...	...	B. D. + 53° 440....	7.9*	56 44.964	01.31	3	...	3.9765	.0645	...	+54 12 43.67	01.22	3	...	17.501	.290	...
226	...	...	113 Piscium.....	a ¹	56 52.145	05.78	1	...	3.0983	+.0084	+ 23	+ 2 16 58.15	05.78	1	...	+17.496	- .228	- 7
227	277	130	113 Piscium.....	a ²	56 52.306	06.25	4	...	3.0983	.0084	+ 23	+ 2 16 51.18	06.20	4	...	17.496	.228	- 7
228	264	...	51 Cassiopeiae.....	7.5	56 54.477	04.93	1	...	5.3636	.2343	...	+74 6 11.94	04.93	2	...	17.494	.389	- 12
229	...	...	B. D. + 55° 484....	8.8*	57 3.942	01.48	2	...	4.0156	.0673	...	+55 17 12.70	01.33	2	...	17.487	.289	...
230	...	...	B. D. + 37° 468....	8.7*	57 6.047	01.83	1	...	3.5861	.0344	...	+38 9 52.49	01.83	1	...	17.486	.260	...
231	...	...	B. D. + 54° 448....	8.9*	57 6.106	01.64	3	...	3.9936	+.0654	...	+54 38 21.03	01.48	3	...	+17.486	- .288	...
232	276	131	57 Andromedae.....	7.1	57 45.534	03.42	2	...	3.6607	.0394	+ 46	+41 50 59.31	03.82	4	...	17.458	.271	- 51
233	...	...	Lalande F. 343.....	7.6	57 53.227	07.80	1	...	5.4258	.2438	...	+74 23 28.23	07.80	1	...	17.452	.401	...
234	...	...	B. D. + 54° 452....	8.5*	57 57.850	01.31	3	...	3.9873	.0648	...	+54 16 33.93	01.22	3	...	17.449	.294	...
235	280	...	60 Ceti.....	5.6	58 3.906	99.95	1	...	3.0683	.0073	+ 53	- 0 21 (13)	...	...	...	17.444	.229	+ 25
236	...	...	B. D. + 54° 453....	6.6	58 17.896	01.00	4	...	4.0196	+.0674	...	+55 8 36.44	01.00	4	...	+17.434	- .297	...
237	...	...	B. D. + 38° 402....	8.0*	58 43.308	01.38	2	...	3.6075	.0356	...	+38 57 18.41	01.38	2	...	17.416	.268	...
238	...	...	B. D. + 54° 457....	8.9*	59 8.210	01.57	3	...	4.0015	.0653	...	+54 26 56.23	01.57	3	...	17.398	.297	...
239	...	...	B. D. + 39° 464....	7.8*	59 43.221	01.54	3	...	3.6178	.0360	...	+39 16 53.62	01.54	3	...	17.373	.271	...
240	...	...	B. D. + 53° 451....	8.0*	2 0 2.951	01.24	3	...	3.9869	.0636	...	+53 49 48.90	01.24	3	...	17.358	.298	...
241	...	...	B. D. + 37° 480....	8.9*	2 0 9.234	01.93	3	...	3.5917	+.0340	...	+37 48 54.24	01.93	3	...	+17.354	- .266	...
242	...	...	B. D. + 38° 408....	8.2*	0 22.537	01.30	3	...	3.6041	.0349	...	+38 25 18.43	01.30	3	...	17.344	.271	...
243	...	...	B. D. + 39° 468....	8.5*	0 30.187	01.58	3	...	3.6376	.0371	...	+40 7 15.42	01.58	3	...	17.338	.274	...
244	287	133	13 Arietis.....	a ²	1 32.053	03.72	31	...	3.3591	.0204	+ 139	+22 59 23.01	04.64	29	...	17.294	.257	- 144
245	...	...	B. D. + 53° 453....	8.8*	1 36.340	01.57	3	...	4.0077	.0645	...	+54 7 38.56	01.57	3	...	17.290	.303	...
246	...	...	B. D. + 38° 413....	8.2*	2 21.521	02.00	2	...	3.6217	+.0354	...	+38 55 16.89	02.00	2	...	+17.257	- .273	...
247	288	...	58 Andromedae.....	4.8	2 27.014	00.98	3	...	3.5925	.0337	+ 108	+37 23 4.93	00.98	3	...	17.252	.274	- 37
248	...	...	B. D. + 38° 416....	7.7	2 49.014	01.01	3	...	3.6225	.0355	...	+38 52 25.86	01.01	3	...	17.236	.277	...
249	...	...	B. D. + 37° 488....	8.6*	2 54.357	01.63	3	...	3.6070	.0345	...	+38 3 19.72	01.63	3	...	17.232	.276	...
250	...	...	B. D. + 38° 418....	8.4*	2 57.585	01.89	1	...	3.6279	.0356	...	+39 7 5.30	01.89	1	...	17.229	.274	...

226, 227. These stars form the pair Σ 202.

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Auwers' Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A., 1900.0.			Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "001.
					h	m	s		Above Pole.	Below Pole.						Above Pole.	Below Pole.			
251	...	...	B. D. + 54° 469....	8.5*	2	3	9.113	01.36	3	...	+ 4.0500	+ .0668	...	+55 0 48.49	01.36	3	...	+17.221	- .305	...
252	...	...	B. D. + 53° 459....	8.5*	3	20	.745	01.97	3	...	+ 4.0106	.0634	...	+53 51 27.75	01.97	3	...	17.212	.302	...
253	3226	...	Bradley 3226.....	6.4	3	24	.861	01.57	3	...	3.9945	.0624	+ 44	+53 22 14.65	01.57	3	...	17.209	.306	- 46
254	...	...	B. D. + 54° 470....	9.0*	3	27	.702	01.56	3	...	4.0452	.0666	...	+54 49 6.38	01.56	3	...	17.207	.310	...
255	290	134	4 Trianguli.....	8.3	3	35	.393	05.50	8	...	3.5443	.0305	+ 126	+34 30 51.69	04.98	9	...	17.202	.275	- 44
256	...	...	B. D. + 37° 490....	8.8*	2	3	56.044	01.88	2	...	+ 3.6137	+ .0345	...	+38 11 25.83	01.88	2	...	+17.186	- .275	...
257	...	...	B. D. + 36° 421....	8.7*	4	4	.036	02.08	1	...	3.5786	.0323	...	+36 18 57.34	02.08	1	...	17.180	.273	...
258	...	...	B. D. + 36° 426....	8.8*	4	37	.555	01.92	1	...	3.5979	.0334	...	+37 13 44.08	01.92	1	...	17.154	.275	...
259	293	...	59 Andromedæ.....	5.6	4	48	.618	01.95	2	...	3.6244	.0350	- 11	+38 34 3.66	01.95	2	...	17.147	.278	- 21
260	...	...	B. D. + 53° 470....	8.8*	4	59	.517	00.96	4	...	4.0296	.0645	...	+54 4 47.79	00.96	4	...	17.138	.312	...
261	296	135	15 Arietis.....	5.9	2	5	4.906	05.96	2	...	+ 3.3116	+ .0177	+ 59	+19 1 42.85	05.96	2	...	+17.135	- .259	- 32
262	...	...	B. D. + 36° 427....	7.8*	5	25	.329	01.89	1	...	3.5943	.0330	...	+36 52 51.01	01.89	1	...	17.119	.277	...
263	...	...	B. D. + 36° 428....	8.5*	5	53	.337	01.97	3	...	3.5886	.0325	...	+36 29 44.84	01.97	3	...	17.097	.277	...
264	302	...	64 Ceti.....	5.7	6	4	.279	07.89	5	...	3.1718	.0114	- 92	+ 8 6 5.81	07.89	5	...	17.090	.248	- 107
265	...	...	B. D. + 54° 483....	8.9*	6	11	.428	01.22	3	...	4.0579	.0662	...	+54 38 28.19	01.22	3	...	17.084	.317	...
266	...	...	B. D. + 36° 433....	8.2*	2	6	15.595	01.89	1	...	+ 3.5977	+ .0330	...	+36 53 47.75	01.89	1	...	+17.080	- .280	...
267	...	...	B. D. + 53° 474....	8.1*	6	26	.028	01.27	3	...	4.0278	.0636	...	+53 44 58.04	01.27	3	...	17.072	.315	...
268	292	136	55 Cassiopeiæ.....	6.2	6	37	.710	07.60	3	1	4.6519	.1230	- 20	+66 3 20.92	07.14	2	3	17.064	.363	- 2
269	...	...	B. D. + 38° 434....	8.7*	6	40	.484	01.94	1	...	3.6289	.0348	...	+38 24 59.59	01.94	1	...	17.062	.282	...
270	299	137	6 Persei.....	5.4	6	(57)	...	...	...	...	3.9283	.0560	+ 368	+50 36 5.43	05.85	1	...	17.049	.314	- 166
271	306	138	65 Ceti.....	4.5	2	7	41.928	03.94	11	...	+ 3.1764	+ .0116	- 13	+ 8 22 40.54	06.18	14	...	+17.015	- .252	- 16
272	...	...	B. D. + 54° 494....	7.9*	7	42	.060	01.03	4	...	4.0763	.0668	...	+54 50 56.79	01.03	4	...	17.014	.322	...
273	...	...	B. D. + 37° 505....	8.5*	7	52	.367	01.96	2	...	3.6241	.0342	...	+37 56 18.25	01.96	2	...	17.006	.284	...
274	...	...	B. D. + 36° 440....	8.6*	7	53	.625	01.99	2	...	3.6086	.0333	...	+37 8 59.13	01.99	2	...	17.005	.283	...
275	...	...	B. D. + 53° 485....	9.2*	7	58	.277	00.97	3	...	4.0320	.0631	...	+53 34 28.48	00.97	3	...	17.002	.319	...
276	...	...	B. D. + 37° 506....	8.5*	2	8	4.444	01.94	2	...	+ 3.6294	+ .0345	...	+38 10 15.85	01.94	2	...	+16.997	- .285	...
277	...	...	B. D. + 53° 486....	8.5*	8	4	.933	01.62	3	...	4.0502	.0641	...	+54 3 49.35	01.47	3	...	16.996	.316	...
278	...	...	B. D. + 55° 551....	8.0*	8	6	.248	01.63	3	...	4.0953	.0678	...	+55 16 47.36	01.48	3	...	16.995	.319	...
279	...	...	B. D. + 54° 497....	7.2	8	17	.141	00.99	3	...	4.0718	.0662	...	+54 37 14.08	00.99	3	...	16.987	.323	...
280	...	...	B. D. + 52° 549....	8.6*	8	27	.999	01.58	3	...	4.0192	+ .0618	...	+53 6 39.52	01.58	3	...	16.978	.319	...
281	...	139	Fornacis.....	5.2	2	8	30.345	08.78	1	...	+ 2.6421	- .0031	- 37	-31 11 33.62	08.78	1	...	+16.977	- .211	- 22
282	...	...	B. D. + 54° 500....	7.8*	8	34	.233	01.60	3	...	4.0929	+ .0677	...	+55 7 41.61	01.60	3	...	16.974	.325	...
283	...	...	B. D. + 37° 512 (1st*)	...	9	24	.093	02.08	1	...	3.6298	.0342	...	+37 56 5.00	02.08	1	...	16.935	.287	...
284	...	...	B. D. + 37° 512 (2nd*)	8.7*	9	25	.214	01.83	1	...	3.6298	.0342	...	+37 55 2.33	01.83	1	...	16.934	.287	...
285	...	...	B. D. + 36° 446....	7.8*	9	52	.845	01.89	3	...	3.5996	.0323	...	+36 18 19.83	01.88	3	...	16.912	.286	...
286	...	...	B. D. + 36° 450....	8.8*	2	10	27.224	01.89	1	...	+ 3.6091	+ .0327	...	+36 40 59.64	01.89	1	...	+16.886	- .287	...
287	...	...	B. D. + 37° 514....	8.6*	10	54	.373	01.99	1	...	3.6305	.0339	...	+37 40 56.22	01.99	1	...	16.864	.290	...
288	...	...	B. D. + 53° 494....	8.4*	11	6	.798	00.94	3	...	4.0685	.0644	...	+54 0 3.95	00.94	3	...	16.854	.329	...
289	...	...	B. D. + 37° 516....	8.8*	11	14	.588	01.96	1	...	3.6252	.0335	...	+37 22 10.77	01.96	1	...	16.848	.290	...
290	318	141	9 Trianguli.....	7.4	11	21	.994	05.67	7	...	3.5500	.0292	+ 40	+33 23 5.82	05.94	5	...	16.843	.289	- 52
291	...	...	B. D. + 53° 497....	7.6	2	11	34.830	00.95	3	...	+ 4.0649	+ .0638	...	+53 49 0.01	00.95	3	...	+16.832	- .329	...
292	...	...	B. D. + 54° 511....	8.1*	11	35	.660	01.59	3	...	4.1123	.0676	...	+55 4 42.01	01.59	3	...	16.831	.335	...
293	...	...	B. D. + 37° 518....	8.5*	11	49	.090	01.89	1	...	3.6329	.0338	...	+37 37 27.21	01.89	1	...	16.821	.292	...
294	321	142	67 Ceti.....	5.7	11	59	.730	03.67	7	...	2.9845	.0049	+ 54	- 6 52 57.67	03.91	5	...	16.813	.245	- 110
295	...	...	B. D. + 52° 563....	9.2*	12	5	.983	01.94	3	...	4.0432	.0616	...	+53 6 50.89	01.94	3	...	16.807	.324	...
296	...	...	B. D. + 53° 501....	9.0*	2	12	6.420	01.32	3	...	+ 4.0622	+ .0633	...	+53 38 0.48	01.22	3	...	+16.807	- .330	...
297	...	...	B. D. + 36° 458....	8.0	12	32	.846	01.96	3	...	3.6151	.0326	...	+36 36 16.07	01.96	3	...	16.786	.292	...
298	320	143	22 Arietis.....	5.7	12	33	.639	05.92	1	...	3.3302	.0180	- 7	+19 26 20.40	05.93	5	...	16.786	.273	- 3
299	...	...	B. D. + 54° 525....	7.6	14	3	.957	00.92	3	...	4.1244	.0672	...	+54 56 55.49	00.92	3	...	16.713	.339	...
300	329	145	68 Ceti.....	var.	14	17	.650	06.30	6	...	3.0280	.0063	+ 2	- 3 25 53.27	06.10	6	...	16.703	.251	- 229

300. The limits of magnitude are 1.7 and 9.6; period 331^d.6.

ALTAZIMUTH CATALOGUE, 1900.0.

17

No. in Answers Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R.A. 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "001.
						Above Pole.	Below Pole.						Above Pole.	Below Pole.			
301	...	B. D. + 53° 507....	6.8	h m s 2 14 20.077	01.00	3	...	+ 4.0920	+ .0645	...	+54 3 3.25	01.00	3	...	+16.700	- .337	...
302	...	B. D. + 53° 513....	8.6*	14 54.450	00.91	3	...	4.0860	.0638	...	+53 47 27.33	00.91	3	...	16.672	.338	...
303	...	B. D. + 36° 464....	7.6	14.57.577	01.85	3	...	3.6240	.0326	...	+36 36 46.07	01.84	3	...	16.669	.297	...
304	...	B. D. + 36° 465(1st*)	8.0*	15 10.061	01.93	2	...	3.6319	.0330	...	+36 57 53.30	01.90	3	...	16.660	.298	...
305	...	B. D. + 36° 465(2nd*)	...	15 (10)	...	...	...	3.6319	.0330	...	+36 57 51.34	01.84	1	...	16.656	.298	...
306	...	B. D. + 54° 530....	9.2*	2 15 44.101	00.99	2	...	+ 4.1233	+ .0662	...	+54 37 21.58	00.99	2	...	+16.632	- .343	...
307	...	B. D. + 54° 535....	6.4	16 54.064	00.97	3	...	4.1425	.0671	...	+54 54 34.58	00.97	3	...	16.575	.347	...
308	...	B. D. + 36° 470....	8.4*	17 13.151	01.91	3	...	3.6422	.0332	...	+37 6 15.97	01.89	3	...	16.559	.303	...
309	...	B. D. + 53° 519....	8.2*	17 20.043	01.31	3	...	4.1000	.0633	...	+53 44 9.86	01.19	3	...	16.553	.340	...
310	...	B. D. + 53° 521....	8.2*	17 28.828	01.57	3	...	4.0855	.0625	...	+53 19 12.08	01.57	3	...	16.546	.343	...
311	...	B. D. + 52° 576....	9.0*	2 17 35.242	01.25	3	...	+ 4.0742	+ .0616	...	+52 59 37.10	01.25	3	...	+16.541	- .343	...
312	...	B. D. + 36° 473....	8.5*	17 36.726	01.91	3	...	3.6343	+ .0326	...	+36 38 51.77	01.91	3	...	16.539	.303	...
313	146	Fornacis.....	5.4	17 58.036	05.58	5	...	2.7311	- .0007	+ 138	-24 16 13.50	05.58	5	...	16.523	.235	- 77
314	...	B. D. + 54° 539....	7.5	18 15.028	01.02	4	...	4.1474	+ .0668	...	+54 48 3.92	01.02	4	...	16.508	.350	...
315	...	Lalande F. 389-91..	7.2	18 22.287	03.84	1	...	5.5953	.2230	...	+73 15 44.09	03.84	1	...	16.502	.470	...
316	...	B. D. + 52° 580....	9.0*	2 19 3.161	01.62	3	...	+ 4.0808	+ .0613	...	+52 55 1.59	01.62	3	...	+16.468	- .346	...
317	...	B. D. + 36° 478....	7.3	19 9.783	01.92	4	...	3.6402	.0326	...	+36 39 59.16	01.92	4	...	16.462	.306	...
318	...	B. D. + 9° 311....	9.2*	19 19.873	08.70	1	...	3.2078	.0127	...	+10 3 15.16	08.70	1	...	16.455	.275	...
319	...	B. D. + 35° 470....	8.3*	19 20.740	02.01	3	...	3.6174	.0314	...	+35 31 8.13	02.01	3	...	16.453	.305	...
320	...	B. D. + 34° 432....	6.9	19 25.305	01.99	3	...	3.5992	.0304	...	+34 35 21.09	01.99	3	...	16.450	.304	...
321	338	147 24 Arietis.....	5.5	2 19 27.351	05.93	9	...	+ 3.2092	+ .0127	+ 6	+10 9 28.61	05.75	11	...	+16.449	- .275	- 22
322	...	B. D. + 53° 525....	8.9*	19 30.215	01.03	3	...	4.1119	.0631	...	+53 40 27.10	01.03	3	...	16.446	.345	...
323	...	B. D. + 36° 482....	7.5	19 44.303	01.95	2	...	3.6400	.0325	...	+36 33 39.50	01.95	2	...	16.434	.307	...
324	339	71 Ceti.....	6.3	19 55.233	99.95	1	...	3.0291	.0066	+ 7	- 3 13 (58)	...	...	...	16.425	.260	- 5
325	...	B. D. + 34° 435....	8.6*	20 8.215	01.96	1	...	3.5979	.0302	...	+34 24 7.35	01.96	1	...	16.414	.305	...
326	...	B. D. + 52° 581....	8.5*	2 20 30.473	00.92	3	...	+ 4.0948	+ .0617	...	+53 2 59.32	00.92	3	...	+16.396	- .351	...
327	...	B. D. + 34° 437....	6.9*	20 45.284	01.92	2	...	3.6150	.0310	...	+35 9 51.01	01.92	2	...	16.383	.307	...
328	332	149 Bradley 332.....	4.6	20 49.196	06.12	6	2	4.8833	.1322	- 3	+66 57 11.21	05.86	6	8	16.380	.417	+ 10
329	343	150 72 Ceti.....	4.9	21 7.164	07.99	2	...	2.8978	.0032	- 24	-12 44 29.43	07.99	2	...	16.365	.251	+ 3
330	...	B. D. + 36° 491....	7.7*	21 8.802	02.02	2	...	3.6441	.0324	...	+36 31 0.15	02.02	2	...	16.363	.310	...
331	...	B. D. + 54° 554....	8.2*	2 21 46.683	00.99	4	...	+ 4.1603	+ .0659	...	+54 31 35.99	00.99	4	...	+16.331	- .359	...
332	...	B. D. + 35° 477....	8.5*	22 1.150	01.90	3	...	3.6256	.0313	...	+35 29 1.13	01.90	3	...	16.319	.311	...
333	...	B. D. + 53° 531....	8.5*	22 19.423	01.84	1	...	4.1204	.0626	...	+53 24 31.07	01.84	1	...	16.304	.352	...
334	...	B. D. + 34° 442....	8.3*	22 26.969	01.94	1	...	3.6144	.0306	...	+34 51 0.57	01.94	1	...	16.297	.311	...
335	347	153 73 Ceti.....	4.3	22 50.452	03.96	19	...	3.1821	.0116	+ 25	+ 8 0 43.31	05.02	15	...	16.278	.278	- 7
336	...	B. D. + 35° 480....	8.9*	2 22 51.067	01.96	3	...	+ 3.6232	+ .0310	...	+35 13 12.56	01.96	3	...	+16.276	- .312	...
337	...	B. D. + 52° 587....	8.3*	22 52.550	00.99	2	...	4.0937	.0605	...	+52 36 53.28	00.99	2	...	16.276	.356	...
338	...	B. D. + 53° 532....	8.0*	23 5.215	00.93	2	...	4.1247	.0626	...	+53 24 20.99	00.93	2	...	16.265	.359	...
339	...	B. F. 310.....	6.3	24 14.837	05.05	1	...	3.1986	.0122	- 3	+ 9 7 8.96	05.05	1	...	16.206	.281	- 3
340	...	B. D. + 54° 565....	9.0*	24 32.627	00.91	3	...	4.1755	.0656	...	+54 27 4.60	00.91	3	...	16.189	.366	...
341	...	B. D. + 35° 490....	7.7	2 24 41.774	01.86	3	...	+ 3.6388	+ .0314	...	+35 40 22.35	01.85	3	...	+16.182	- .317	...
342	...	B. D. + 33° 447....	8.9*	24 57.965	01.95	3	...	3.6037	.0296	...	+33 54 54.42	01.95	3	...	16.168	.314	...
343	...	B. D. + 52° 592....	8.5*	25 3.106	01.29	3	...	4.0987	.0598	...	+52 23 28.14	01.20	3	...	16.163	.361	...
344	...	B. D. + 34° 448....	8.0*	25 4.109	01.93	3	...	3.6156	.0302	...	+34 29 14.53	01.93	3	...	16.163	.316	...
345	...	B. D. + 35° 494....	8.8*	25 4.970	01.89	1	...	3.6325	.0311	...	+35 18 43.82	01.89	1	...	16.162	.317	...
346	...	B. D. + 34° 449....	8.8*	2 25 6.689	01.89	1	...	+ 3.6253	+ .0307	...	+34 57 20.65	01.89	1	...	+16.160	- .317	...
347	351	155 27 Arietis.....	6.4	25 21.479	06.11	7	...	3.3184	.0166	+ 29	+17 15 42.06	06.73	9	...	16.148	.294	- 89
348	...	B. D. + 53° 539....	9.0*	25 29.850	01.60	3	...	4.1582	.0639	...	+53 51 59.89	01.60	3	...	16.140	.367	...
349	...	B. D. + 53° 541....	7.8	25 55.679	01.04	3	...	4.1704	.0645	...	+54 6 8.80	01.04	3	...	16.118	.369	...
350	350	14 Trianguli.....	5.5	25 59.820	01.88	3	...	3.6436	.0315	+ 32	+35 42 13.72	01.88	3	...	16.114	.323	+ 5

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Answers Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R.A. 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
351	...	...	B. D. + 34° 454....	7.8*	2 26 3'363	02'02	4	...	+ 3'6136	+ '0299	...	+34 14 9'01	02'02	4	...	+16'112	- '317	...
352	...	...	B. D. + 33° 454....	6.0	26 50'150	01'96	1	...	3'6133	'0297	...	+34 6 4'28	01'96	1	...	16'071	'319	...
353	...	...	B. D. + 52° 595....	9.0*	27 16'824	00'97	3	...	4'1123	'0597	...	+52 23 26'62	00'97	3	...	16'047	'366	...
354	...	...	B. D. + 52° 597....	8.8*	27 22'955	01'32	3	...	4'1348	'0613	...	+52 57 54'33	01'21	3	...	16'042	'369	...
355	...	...	B. D. + 51° 594....	9.3*	27 39'633	01'28	3	...	4'0829	'0575	...	+51 31 57'17	01'18	3	...	16'027	'365	...
356	...	...	B. D. + 33° 461....	6.9	2 28 12'610	01'89	1	...	+ 3'6025	+ '0296	...	+33 21 11'27	01'89	1	...	+15'998	- '320	...
357	...	...	B. D. + 34° 462....	7.3	28 12'903	01'99	2	...	3'6303	'0304	...	+34 42 39'96	01'99	2	...	15'998	'323	...
358	348	157	Bradley 348.....	5.3	28 30'685	02'88	2	3	5'6125	'2059	- 52	+72 22 51'83	04'58	3	4	15'983	'500	+ 17
359	...	...	B. D. + 33° 462....	8.2*	28 31'077	01'99	1	...	3'6060	'0291	...	+33 28 33'91	01'99	1	...	15'982	'321	...
360	...	...	B. D. + 53° 546....	8.5*	28 31'833	01'25	3	...	4'1530	'0620	...	+53 14 58'68	01'25	3	...	15'981	'373	...
361	...	...	B. D. + 53° 547....	8.5*	2 28 34'536	01'59	3	...	+ 4'1784	+ '0638	...	+53 52 42'92	01'44	4	...	+15'979	- '375	...
362	...	...	B. D. + 33° 463....	7.6*	28 40'233	01'98	2	...	3'6098	'0292	...	+33 38 41'06	01'98	2	...	15'974	'322	...
363	...	...	B. D. + 51° 598....	8.5*	29 15'541	01'27	3	...	4'1114	'0588	...	+52 3 0'04	01'27	3	...	15'943	'370	...
364	357	...	15 Trianguli.....	5.7	29 42'557	01'95	4	...	3'6254	'0298	+ 24	+34 15 4'45	01'95	4	...	15'920	'328	- 54
365	...	...	B. D. + 34° 471....	7.3*	29 45'901	01'90	2	...	3'6265	'0299	...	+34 17 17'95	01'90	2	...	15'916	'325	...
366	3228	...	Bradley 3228.....	7.3	2 29 55'768	01'00	5	...	+ 4'0959	+ '0575	+ 7	+51 31 28'15	01'00	5	...	+15'907	- '370	- 12
367	...	159	Piazzi II. 123.....	5.9	30 35'817	05'00	4	...	3'1641	'0124	+1203	+ 6 24 34'49	05'00	4	...	15'872	'310	+1463
368	362	160	78 Ceti.....	5.0	30 37'514	04'54	17	...	3'1460	'0103	- 25	+ 5 9 24'97	04'83	11	...	15'871	'287	- 18
369	...	...	B. D. + 52° 602....	8.2*	30 52'403	01'32	3	...	4'1334	'0596	...	+52 22 40'25	01'22	3	...	15'857	'376	...
370	364	...	31 Arietis.....	5.7	31 10'636	08'03	2	...	3'2466	'0137	+ 189	+12 0 50'89	08'03	2	...	15'841	'300	- 85
371	...	...	B. D. + 50° 589....	8.5*	2 31 22'981	01'63	3	...	+ 4'0650	+ '0546	...	+50 26 1'32	01'48	3	...	+15'830	- '366	...
372	...	...	B. D. + 51° 604....	8.8*	31 37'424	01'04	1	...	4'1102	'0575	...	+51 38 38'08	01'04	1	...	15'817	'370	...
373	...	...	B. D. + 34° 476....	7.5*	31 44'824	01'87	3	...	3'6422	'0303	...	+34 43 41'10	01'87	3	...	15'810	'330	...
374	...	...	B. D. + 50° 591....	8.2*	31 59'008	01'94	1	...	4'0645	'0543	...	+50 19 41'06	01'94	1	...	15'797	'367	...
375	...	...	B. D. + 50° 595....	8.9*	32 24'870	00'87	1	...	4'0677	'0545	...	+50 21 4'62	00'87	1	...	15'774	'373	...
376	...	...	B. D. + 33° 476....	8.0*	2 32 30'126	01'97	3	...	+ 3'6276	+ '0294	...	+33 56 1'04	01'97	3	...	+15'770	- '330	...
377	...	...	B. D. + 34° 483....	8.8*	32 41'099	01'90	3	...	3'6474	'0304	...	+34 50 22'16	01'90	3	...	15'760	'332	...
378	...	...	B. D. + 32° 478....	7.1	32 43'489	01'93	2	...	3'6087	'0285	...	+32 59 10'67	01'93	2	...	15'758	'329	...
379	...	...	B. D. + 49° 733....	8.9*	32 49'114	01'65	3	...	4'0606	'0539	...	+50 5 13'33	01'65	3	...	15'752	'373	...
380	367	161	32 Arietis.....	5.4	33 8'150	05'75	4	...	3'3990	'0192	+ 1	+21 31 44'83	04'98	7	...	15'736	'314	- 21
381	...	...	B. D. + 52° 609....	7.5*	2 33 23'807	01'02	3	...	+ 4'1483	+ '0594	...	+52 22 23'74	01'02	3	...	+15'721	- '382	...
382	...	...	B. D. + 50° 601....	8.5*	33 42'544	01'45	2	...	4'1054	'0565	...	+51 11 33'81	01'45	2	...	15'704	'379	...
383	...	...	B. D. + 32° 484....	7.1*	33 49'574	02'05	1	...	3'5997	'0279	...	+32 23 1'21	02'05	1	...	15'697	'330	...
384	...	...	B. D. + 40° 567....	8.7*	34 12'120	00'86	1	...	3'7936	'0376	...	+40 53 10'35	00'86	1	...	15'677	'352	...
385	372	165	82 Ceti.....	4.0	34 21'385	04'33	13	...	3'0708	'0082	+ 11	- 0 6 9'86	05'92	6	...	15'669	'286	+ 4
386	...	...	B. D. + 34° 488....	8.8*	2 34 24'730	01'90	3	...	+ 3'6533	+ '0303	...	+34 51 30'61	01'90	3	...	+15'665	- '336	...
387	...	...	B. D. + 51° 616....	9.0*	35 21'688	01'48	2	...	4'1456	'0584	...	+52 0 21'51	01'32	3	...	15'614	'386	...
388	...	...	B. D. + 39° 609....	8.8*	35 37'855	01'02	2	...	3'7788	'0364	...	+40 4 42'31	01'02	2	...	15'599	'349	...
389	...	...	B. D. + 40° 570....	7.9	35 38'425	01'27	3	...	3'8013	'0377	...	+40 57 57'48	01'17	3	...	15'599	'355	...
390	...	...	B. D. + 41° 517....	8.3*	35 47'248	01'64	3	...	3'8223	'0387	...	+41 44 51'67	01'48	3	...	15'591	'353	...
391	...	...	B. D. + 52° 616....	6.1	2 35 56'553	01'03	3	...	+ 4'1925	+ '0613	...	+53 5 59'08	01'03	3	...	+15'582	- '391	...
392	...	...	Lalande F. 430-1....	7.1	36 (5)	...	...	...	6'2093	'2668	...	+74 59 4'73	05'05	2	...	15'574	'563	...
393	366	167	Bradley 366.....	5.8	36 12'995	06'57	6	3	5'0952	'1365	+ 60	+67 23 59'49	06'39	6	4	15'567	'476	- 29
394	...	...	B. D. + 33° 493....	8.2*	36 31'026	01'93	1	...	3'6274	'0287	...	+33 20 25'71	01'93	1	...	15'550	'337	...
395	...	...	B. D. + 42° 610....	8.3*	36 34'723	00'96	2	...	3'8479	'0400	...	+42 35 6'43	00'96	2	...	15'547	'361	...
396	...	...	B. D. + 32° 490....	7.4*	2 36 38'553	01'82	1	...	+ 3'6096	+ '0279	...	+32 28 31'76	01'82	1	...	+15'543	- '336	...
397	...	...	B. D. + 50° 613....	8.4*	36 40'077	01'50	2	...	4'1190	'0561	...	+51 6 28'80	01'50	2	...	15'542	'386	...
398	...	...	B. D. + 49° 752....	8.6*	36 45'880	00'99	1	...	4'0776	'0534	...	+49 57 34'69	00'99	1	...	15'536	'383	...
399	...	...	B. D. + 42° 613....	8.8*	37 4'768	01'92	1	...	3'8554	'0402	...	+42 46 55'04	01'92	1	...	15'519	'359	...
400	381	...	85 Ceti.....	6.3	37 5'843	07'92	2	...	3'2263	'0128	- 26	+10 18 56'50	07'92	2	...	15'519	'304	- 12

ALTAZIMUTH CATALOGUE, 1900.0.

19

No. in Answers Bradley, 1755.	No. in Newcomb's Fundamental Catalogue, 1900.	Star's Name.	Magnitude.	Mean R.A. 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.
						Above Pole.	Below Pole.						Above Pole.	Below Pole.			
401	...	B. D. + 42° 614....	6.7	h m s 2 37 6.188	01.84	1	...	+ 3.8646	+ .0406	...	° ' " +43 6 45.65	01.84	1	...	+15.518	- .359	...
402	...	B. D. + 42° 615....	8.5*	37 6.563	01.89	1	...	3.8396	.0393	...	+42 11 44.08	01.89	1	...	15.517	.357	...
403	...	B. D. + 33° 494....	8.1*	37 16.702	01.88	3	...	3.6382	.0291	...	+33 44 52.64	01.88	3	...	15.508	.340	...
404	...	B. D. + 40° 577....	7.5	37 20.970	00.97	1	...	3.8108	.0378	...	+41 4 22.17	00.97	1	...	15.504	.359	...
405	374	170 13 Persei.....	4.2	37 21.965	02.79	5	...	4.0403	.0513	+ 353	+48 48 20.10	02.79	5	...	15.504	.387	- 87
406	...	B. D. + 50° 617....	8.5*	2 37 24.031	01.96	1	...	+ 4.1116	+ .0552	...	+50 47 57.67	01.96	1	...	+15.501	- .382	...
407	...	B. D. + 40° 578....	9.3*	37 29.622	01.96	1	...	3.8013	.0371	...	+40 41 0.61	01.96	1	...	15.496	.355	...
408	380	171 35 Arietis.....	4.6	37 34.876	05.31	3	...	3.8098	.0233	+ 3	+27 16 54.75	05.47	4	...	15.492	.332	- 6
409	376	14 Persei.....	5.6	37 34.309	01.67	3	...	3.8880	.0418	...	+43 52 19.03	01.56	3	...	15.492	.362	- 4
410	...	B. D. + 40° 581....	9.0*	37 52.799	01.01	1	...	3.7945	.0367	...	+40 21 35.52	01.01	1	...	15.475	.355	...
411	...	B. D. + 46° 622....	7.0	2 37 53.539	01.04	1	...	+ 3.9653	+ .0461	...	+46 25 11.83	01.04	1	...	+15.474	- .370	...
412	...	B. D. + 40° 582....	9.0*	37 56.180	01.99	1	...	3.8030	.0371	...	+40 40 58.30	01.99	1	...	15.472	.355	...
413	...	B. D. + 50° 620....	8.4*	38 4.720	00.93	1	...	4.0971	.0541	...	+50 18 12.64	00.93	1	...	15.463	.387	...
414	383	173 86 Ceti.....	7.3	38 7.125	03.85	16	...	3.1142	.0093	- 96	+ 2 48 52.18	03.10	9	...	15.462	.294	- 151
415	...	B. D. + 44° 569....	8.0*	38 11.935	01.03	1	...	3.9288	.0439	...	+45 10 34.49	01.03	1	...	15.457	.367	...
416	...	B. D. + 50° 623....	8.5*	2 38 32.771	01.94	1	...	+ 4.1315	+ .0560	...	+51 9 45.74	01.94	1	...	+15.437	- .386	...
417	...	B. D. + 48° 750....	8.5*	38 56.134	01.90	1	...	4.0394	.0501	...	+48 32 8.33	01.90	1	...	15.416	.379	...
418	...	B. D. + 47° 692....	8.3*	38 58.321	01.94	1	...	4.0123	.0485	...	+47 43 16.08	01.94	1	...	15.414	.376	...
419	...	B. D. + 32° 498....	8.9*	39 4.170	01.83	1	...	3.6135	.0277	...	+32 19 50.54	01.83	1	...	15.408	.341	...
420	...	B. D. + 41° 530....	8.4*	39 12.182	02.08	1	...	3.8457	.0391	...	+42 6 16.88	02.08	1	...	15.401	.362	...
421	388	174 89 Ceti.....	4.4	2 39 21.886	05.00	2	...	+ 2.8544	+ .0033	- 12	-14 16 55.06	05.00	2	...	+15.393	- .273	- 12
422	...	B. D. + 46° 628....	9.2*	39 (23)	...	...	...	3.9847	.0468	...	+46 48 42.99	00.99	1	...	15.391	.379	...
423	...	B. D. + 40° 589....	7.7*	39 28.930	01.03	1	...	3.8039	.0368	...	+40 29 21.66	01.03	1	...	15.385	.358	...
424	386	38 Arietis.....	5.2	39 30.591	08.03	2	...	3.2549	.0136	+ 81	+12 1 30.50	08.03	2	...	15.384	.312	- 79
425	387	175 87 Ceti.....	4.4	39 32.060	04.07	3	...	3.2187	.0125	+ 188	+ 9 41 32.08	04.07	3	...	15.383	.311	- 25
426	...	B. D. + 39° 628....	7.8*	2 39 37.816	01.92	1	...	+ 3.7968	+ .0364	...	+40 11 27.69	01.92	1	...	+15.377	- .358	...
427	...	B. D. + 51° 626....	9.0*	39 53.259	00.97	1	...	4.1630	.0575	...	+51 47 3.95	00.97	1	...	15.363	.397	...
428	...	B. D. + 43° 574....	7.7	40 0.806	00.91	1	...	3.8834	.0410	...	+43 20 39.99	00.91	1	...	15.355	.371	...
429	...	B. D. + 51° 628....	8.8*	40 6.300	01.48	2	...	4.1620	.0574	...	+51 43 41.66	01.48	2	...	15.351	.397	...
430	...	B. D. + 31° 477....	8.4*	40 19.048	01.91	2	...	3.6013	.0269	...	+31 34 26.83	01.91	2	...	15.338	.342	...
431	...	B. D. + 41° 538....	7.6	2 40 42.568	01.62	3	...	+ 3.8418	+ .0385	...	+41 45 17.08	01.48	3	...	+15.316	- .364	...
432	...	B. D. + 42° 628....	7.6	40 53.130	00.95	1	...	3.8767	.0404	...	+42 58 57.55	00.95	1	...	15.306	.372	...
433	...	B. D. + 43° 576....	6.7	40 58.886	00.99	2	...	3.9021	.0417	...	+43 51 9.69	00.99	2	...	15.301	.374	...
434	...	B. D. + 50° 630....	7.6*	41 5.950	01.96	3	...	4.1445	.0557	...	+51 7 56.59	01.96	3	...	15.294	.392	...
435	...	B. D. + 48° 760....	8.5*	41 25.290	00.93	1	...	4.0611	.0506	...	+48 48 6.04	00.93	1	...	15.276	.390	...
436	...	B. D. + 33° 512....	8.5*	2 41 27.335	01.87	2	...	+ 3.6392	+ .0284	...	+33 13 1.60	01.87	2	...	+15.274	- .347	...
437	...	B. D. + 50° 636....	7.8*	41 35.801	01.09	1	...	4.1226	.0542	...	+50 28 43.42	01.09	1	...	15.266	.392	...
438	...	B. D. + 43° 579....	7.4	41 43.546	01.92	1	...	3.8866	.0406	...	+43 12 14.86	01.92	1	...	15.259	.374	...
439	...	B. D. + 47° 700....	7.7*	41 43.777	01.96	1	...	4.0364	.0489	...	+48 2 10.30	01.96	1	...	15.258	.384	...
440	389	176 39 Arietis.....	4.6	41 57.123	07.47	2	...	3.5501	.0244	+ 122	+28 49 55.15	07.47	2	...	15.246	.345	- 130
441	...	B. D. + 48° 762....	7.4	2 42 1.310	01.90	1	...	+ 4.0630	+ .0504	...	+48 45 59.15	01.90	1	...	+15.242	- .387	...
442	...	B. D. + 40° 602....	9.0*	42 4.292	02.08	1	...	3.8157	.0368	...	+40 33 39.12	02.08	1	...	15.239	.364	...
443	...	B. D. + 47° 702....	8.0*	42 19.122	01.01	1	...	4.0117	.0473	...	+47 12 31.17	01.01	1	...	15.225	.383	...
444	...	B. D. + 51° 633....	8.9*	42 28.058	01.03	1	...	4.1558	.0559	...	+51 13 35.54	01.03	1	...	15.217	.396	...
445	...	B. D. + 46° 641....	6.7	42 28.260	00.90	1	...	3.9991	.0466	...	+46 48 4.77	00.90	1	...	15.217	.386	...
446	...	B. D. + 48° 764....	8.3*	2 42 43.248	01.04	1	...	+ 4.0559	+ .0497	...	+48 27 50.57	01.04	1	...	+15.202	- .388	...
447	...	B. D. + 49° 782....	9.0*	42 58.716	01.96	1	...	4.0974	.0521	...	+49 35 55.07	01.96	1	...	15.187	.392	...
448	...	B. D. + 44° 582....	8.7*	43 4.750	00.87	1	...	3.9450	.0434	...	+44 59 20.38	00.87	1	...	15.181	.382	...
449	...	B. D. + 31° 483....	8.6*	43 9.572	01.89	1	...	3.6116	.0269	...	+31 41 45.80	01.89	1	...	15.177	.348	...
450	...	B. D. + 47° 709....	7.6*	43 21.130	01.31	3	...	4.0340	.0484	...	+47 43 51.57	01.22	3	...	15.166	.391	...

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Auwers' Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R.A. 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
451	...	177	15 Persei.....	3.9	2 43 23.883	06.46	6	1	+ 4.3433	+ .0678	+ 41	+55 28 51.00	06.36	6	1	+15.164	- .421	- 12
452	...	...	B. D. + 43° 583....	8.7*	43 26.390	00.99	1	...	3.8992	.0408	...	+43 23 53.31	00.99	1	...	15.161	.379	...
453	...	...	B. D. + 40° 610....	8.3*	43 51.565	01.89	1	...	3.8183	.0365	...	+40 24 15.90	01.89	1	...	15.137	.368	...
454	...	...	B. D. + 47° 711....	7.8	43 53.131	01.93	1	...	4.0415	.0485	...	+47 52 34.04	01.93	1	...	15.136	.388	...
455	...	...	B. D. + 45° 665....	8.6*	44 0.310	00.93	1	...	3.9623	.0441	...	+45 25 19.18	00.93	1	...	15.129	.386	...
456	395	178	41 Arietis.....	3.7	2 44 5.703	05.58	7	...	+ 3.5164	+ .0227	+ 50	+26 50 53.99	05.03	10	...	+15.124	- .344	- 111
457	...	...	B. D. + 42° 638....	8.0*	44 6.115	01.94	1	...	3.8877	.0400	...	+42 54 0.23	01.94	1	...	15.123	.375	...
458	...	...	B. D. + 48° 770....	8.4*	44 19.633	01.04	1	...	4.0806	.0506	...	+48 56 10.45	01.04	1	...	15.110	.392	...
459	...	...	B. D. + 31° 490....	6.6	44 23.197	01.87	2	...	3.6120	.0268	...	+31 33 33.84	01.87	2	...	15.107	.350	...
460	...	...	B. D. + 47° 714....	8.8*	44 39.956	01.03	2	...	4.0528	.0490	...	+48 5 33.01	01.03	2	...	15.091	.396	...
461	...	...	B. D. + 45° 669....	9.0*	2 44 55.642	01.96	1	...	+ 3.9713	+ .0442	...	+45 34 26.32	01.96	1	...	+15.075	- .384	...
462	...	...	B. D. + 31° 493....	8.0*	44 55.881	01.83	1	...	3.6229	.0271	...	+31 57 0.91	01.83	1	...	15.075	.352	...
463	...	...	B. D. + 46° 648....	6.1	44 59.844	00.92	3	...	3.9988	.0458	...	+46 25 46.47	00.92	3	...	15.071	.391	...
464	...	...	B. D. + 44° 593....	6.6	45 16.832	01.38	3	...	3.9391	.0424	...	+44 28 53.74	01.38	3	...	15.055	.382	...
465	...	...	B. D. + 48° 777....	8.5*	45 20.062	01.44	2	...	4.0692	.0497	...	+48 28 14.30	01.44	2	...	15.052	.398	...
466	...	...	Groombridge 558....	6.8	2 45 21.522	08.90	1	...	+ 5.9528	+ .2193	+ 59	+72 57 42.12	08.90	2	...	+15.050	- .585	- 4
467	...	...	B. D. + 47° 721....	8.0*	45 50.842	01.48	2	...	4.0557	.0486	...	+48 0 31.50	01.33	2	...	15.022	.394	...
468	...	...	B. D. + 43° 593....	9.2*	45 52.745	01.84	1	...	3.9084	.0406	...	+43 21 43.32	01.84	1	...	15.020	.380	...
469	...	...	B. D. + 41° 556....	7.3	45 54.692	01.60	3	...	3.8587	.0381	...	+41 36 34.07	01.60	3	...	15.018	.379	...
470	...	...	B. D. + 32° 517....	8.1*	45 56.791	01.91	1	...	3.6329	.0274	...	+32 19 48.29	01.91	1	...	15.016	.354	...
471	400	180	43 Arietis.....	5.5	2 45 58.224	03.91	16	...	+ 3.3041	+ .0149	+ 16	+14 40 12.34	05.21	12	...	+15.016	- .326	- 34
472	404	181	2 Eridani.....	7.2	46 30.131	05.96	4	...	2.7242	.0017	- 44	-21 24 57.64	05.96	4	...	14.985	.269	- 17
473	399	182	18 Persei.....	4.1	47 9.821	02.56	3	1	4.2269	.0584	+ 8	+52 21 12.00	03.00	3	1	14.947	.417	- 3
474	...	...	B. D. + 46° 652....	6.7	47 16.578	00.95	3	...	4.0199	.0462	...	+46 45 6.81	00.95	3	...	14.939	.397	...
475	...	...	B. D. + 31° 500....	8.3*	48 4.278	01.91	2	...	3.6298	.0269	...	+31 55 43.36	01.99	1	...	14.893	.358	...
476	...	...	B. D. + 42° 650....	8.8*	2 48 26.652	01.31	3	...	+ 3.9006	+ .0396	...	+42 48 21.45	01.22	3	...	+14.871	- .388	...
477	...	...	B. D. + 46° 656....	7.5	48 48.401	01.27	3	...	4.0318	.0464	...	+46 53 52.07	01.13	4	...	14.850	.401	...
478	...	...	B. D. + 45° 679....	8.8*	49 14.942	01.00	3	...	3.9859	.0437	...	+45 26 1.19	01.00	3	...	14.824	.398	...
479	...	...	B. D. + 44° 598....	8.9*	49 28.816	01.32	3	...	3.9600	.0423	...	+44 34 38.25	01.22	3	...	14.810	.396	...
480	...	...	B. D. + 30° 464....	7.5	49 39.381	01.90	3	...	3.6063	.0257	...	+30 38 14.38	01.90	3	...	14.800	.358	...
481	...	...	B. D. + 30° 465....	7.9*	2 49 50.649	01.92	3	...	+ 3.6184	+ .0262	...	+31 10 30.29	01.92	3	...	+14.788	- .360	...
482	...	...	B. D. + 30° 466....	8.0*	50 30.086	01.91	3	...	3.6050	.0256	...	+30 28 34.78	01.91	3	...	14.750	.359	...
483	407	...	21 Persei.....	5.2	51 12.922	01.92	3	...	3.6296	.0265	+ 8	+31 31 53.17	01.89	3	...	14.707	.363	- 37
484	413	183	3 Eridani.....	4.1	51 32.472	06.70	4	...	2.9235	.0050	+ 60	- 9 17 46.62	05.20	4	...	14.689	.298	- 213
485	...	...	B. D. + 30° 469....	7.8*	51 58.089	01.96	2	...	3.6225	.0260	...	+31 6 53.33	01.83	1	...	14.663	.363	...
486	...	...	B. D. + 31° 511....	8.8*	2 52 5.668	01.96	3	...	+ 3.6338	+ .0265	...	+31 36 55.09	01.96	3	...	+14.655	- .365	...
487	...	...	B. D. + 31° 512....	6.7	52 12.882	01.98	2	...	3.6438	.0269	...	+32 3 26.83	01.98	2	...	14.648	.366	...
488	392	184	Cephei 47.....	5.7	52 46.559	04.12	2	7	7.7889	.4626	- 101	+79 1 25.28	03.66	5	8	14.615	.781	+ 10
489	415	185	48 Arietis (as one mass)	4.6	53 29.532	03.10	24	...	3.4236	.0184	- 9	+20 56 26.11	05.34	13	...	14.572	.349	- 10
490	...	...	B. D. + 30° 474....	8.3*	53 52.619	01.91	3	...	3.6077	.0252	...	+30 12 28.30	01.91	3	...	14.549	.365	...
491	...	...	B. D. + 30° 477....	7.4	2 54 13.477	01.91	3	...	+ 3.6198	+ .0256	...	+30 43 39.84	01.88	3	...	+14.528	- .367	...
492	419	186	91 Ceti.....	4.7	54 21.275	05.02	3	...	3.2102	.0118	0	+ 8 30 32.58	05.02	3	...	14.520	.329	- 2
493	...	...	B. D. + 29° 508....	8.6*	54 24.945	01.91	3	...	3.6083	.0251	...	+30 10 18.45	01.91	3	...	14.516	.366	...
494	...	...	B. D. + 31° 524....	8.6*	55 10.432	01.90	3	...	3.6406	.0263	...	+31 33 30.16	01.90	3	...	14.470	.371	...
495	...	...	B. D. + 30° 479....	8.8*	56 6.782	01.93	3	...	3.6216	.0254	...	+30 35 29.91	01.93	3	...	14.413	.370	...
496	428	189	92 Ceti.....	2.8	2 57 3.071	02.85	25	...	+ 3.1326	+ .0097	- 9	+ 3 41 51.33	03.06	17	...	+14.357	- .325	- 78
497	430	...	93 Ceti.....	5.6	57 8.274	08.70	1	...	3.1369	.0099	+ 9	+ 3 57 30.47	08.70	1	...	14.352	.326	+ 7
498	422	190	23 Persei.....	3.1	57 32.930	03.40	3	3	4.3181	.0593	+ 10	+53 6 53.75	04.15	3	3	14.326	.447	- 4
499	...	...	B. D. + 29° 517....	8.4*	57 39.233	01.95	3	...	3.6150	.0249	...	+30 7 7.60	01.95	3	...	14.319	.372	...
500	...	...	B. D. + 30° 482....	8.7*	58 31.623	01.92	2	...	3.6348	.0256	...	+30 55 10.42	01.92	2	...	14.266	.375	...

ALTAZIMUTH CATALOGUE, 1900.0.

21

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						Above Pole.	Below Pole.						Above Pole.	Below Pole.			
501	429	192	25 Persei.....	var.	h m s	2	58	46.852	04.21	4	...	...	...	...	...	...	...
502	...	...	B. D. + 30° 484....	8.5*	58	51	303	01.92	3	...	...	...	...	...	...	...	...
503	...	...	B. D. + 28° 488....	7.9*	59	18	281	01.93	2	...	...	...	...	...	...	...	...
504	...	...	B. D. + 29° 519....	8.6*	59	41	077	01.90	3	...	...	...	...	...	...	...	...
505	...	...	B. D. + 29° 522....	7.1	3	0	48.054	01.90	3	...	...	...	...	...	...	...	...
506	...	...	W. B. II. 1033.....	5.8	3	0	54.254	00.00	2	...	...	...	...	...	...	...	...
507	417	...	Bradley 417.....	4.9	1	5	021	08.90	2	...	...	...	...	...	...	...	...
508	...	...	B. D. + 28° 493....	7.6	1	16	423	01.93	3	...	...	...	...	...	...	...	...
509	436	195	26 Persei.....	var.	1	39	527	04.40	10	1	3	8873	0355	+	8	+	40
510	...	196	Persei.....	4.2	1	50	626	05.00	4	...	...	...	...	...	...	...	...
511	441	...	55 Arietis.....	5.7	3	3	35.664	01.85	3	...	...	...	...	...	...	...	...
512	...	...	B. D. + 30° 494....	8.8*	3	42	920	01.91	3	...	...	...	...	...	...	...	...
513	...	...	B. D. + 29° 531....	8.8*	4	13	704	01.90	3	...	...	...	...	...	...	...	...
514	...	...	Groombridge 612....	6.8	4	24	115	05.04	1	...	...	...	...	...	...	...	...
515	...	...	Piazzi III. 4.....	6.4	5	52	320	07.32	2	...	...	...	...	...	...	...	...
516	...	...	B. D. + 29° 534....	8.0*	3	5	54.257	01.91	3	...	...	...	...	...	...	...	...
517	446	199	57 Arietis.....	4.5	5	54	542	03.25	20	...	...	...	...	...	...	...	...
518	...	...	B. D. + 30° 503....	8.7*	6	50	789	01.66	3	...	...	...	...	...	...	...	...
519	...	...	B. D. + 28° 507....	8.5*	7	35	011	01.88	3	...	...	...	...	...	...	...	...
520	431	200	Bradley 431.....	5.5	7	37	080	03.74	2	2	7	4267	3557	+	204	+	77
521	450	201	94 Ceti.....	5.1	3	7	40.239	04.96	2	...	...	...	...	...	...	...	...
522	451	203	58 Arietis.....	5.0	9	9	091	06.33	5	...	...	...	...	...	...	...	...
523	456	...	Bradley 456.....	6.8	10	40	127	07.11	1	...	...	...	...	...	...	...	...
524	457	206	13 Eridani.....	4.9	10	58	534	05.72	4	...	...	...	...	...	...	...	...
525	...	...	B. D. + 28° 511....	8.2*	11	1	847	01.88	3	...	...	...	...	...	...	...	...
526	...	...	B. D. + 27° 488....	8.6*	3	11	2.156	01.90	3	...	...	...	...	...	...	...	...
527	453	...	30 Persei.....	5.4	11	3	469	06.43	...	1	...	...	...	...	...	...	...
528	...	...	B. D. + 28° 514....	8.7*	12	24	842	01.86	3	...	...	...	...	...	...	...	...
529	...	...	B. D. + 27° 492....	7.7*	13	38	045	01.65	3	...	...	...	...	...	...	...	...
530	463	208	96 Ceti.....	5.0	14	6	908	05.01	3	...	...	...	...	...	...	...	...
531	...	...	Piazzi III. 32.....	4.7	3	14	17.133	01.94	2	...	...	...	...	...	...	...	...
532	...	...	B. D. + 28° 517....	8.7*	14	36	944	01.92	3	...	...	...	...	...	...	...	...
533	465	209	61 Arietis.....	5.2	15	27	127	04.31	27	...	...	...	...	...	...	...	...
534	467	...	62 Arietis.....	5.7	16	11	533	01.93	3	...	...	...	...	...	...	...	...
535	...	...	Lalande 6061.....	7.2	16	15	397	08.21	2	1	6	1526	1866	...	...	...	...
536	...	...	B. D. + 27° 501....	8.5*	3	16	58.061	01.91	3	...	...	...	...	...	...	...	...
537	...	...	B. D. + 26° 548....	7.3	17	6	099	01.68	3	...	...	...	...	...	...	...	...
538	464	211	33 Persei.....	4.1	17	10	714	05.64	10	2	4	2588	0482	+	30	+	49
539	...	...	B. D. + 26° 550....	8.3*	17	32	446	01.98	3	...	...	...	...	...	...	...	...
540	...	...	Lalande 6268.....	6.2	18	39	908	05.94	1	...	...	...	...	...	...	...	...
541	...	...	B. D. + 28° 526....	7.0	3	18	45.510	01.94	3	...	...	...	...	...	...	...	...
542	477	213	1 Tauri.....	3.8	19	25	845	03.22	21	...	...	...	...	...	...	...	...
543	...	...	B. D. + 28° 532....	6.5	20	31	318	01.94	3	...	...	...	...	...	...	...	...
544	...	214	Piazzi III. 51.....	4.4	20	58	027	04.59	5	1	4	8230	0772	+	27	+	59
545	...	...	B. D. + 27° 509....	9.1*	21	36	621	01.90	3	...	...	...	...	...	...	...	...
546	481	215	2 Tauri.....	3.7	3	21	44.879	06.73	5	...	...	...	...	...	...	...	...
547	479	217	35 Persei.....	4.6	23	31	176	06.49	2	...	...	...	...	...	...	...	...
548	480	...	Bradley 480.....	6.0	23	33	190	06.74	1	1	4	2144	0439	+	32	+	47
549	...	...	B. D. + 26° 565....	8.7*	24	19	722	01.93	3	...	...	...	...	...	...	...	...
550	...	...	Nova Persei.....	var.	24	24	094	01.50	7	...	...	...	...	...	...	...	...

501. The limits of magnitude are 3.4 and 4.2 : period irregular.
509. The limits of magnitude are 2.1 and 3.2 : period 2d.8+.
550. The limits of magnitude are 0.0 and <1.3.

ALTAZIMUTH CATALOGUE, 1900.0.

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							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
551	485	218	4 Tauri.....	5.1	h m s 24 56.495	06.03	3	...	+ 3.2748	+ .0122	- 10	+10 59 36.49	06.03	3	...	+12.552	- .377	- 20
552	...	...	B. D. + 27° 513....	8.0*	24 58.369	01.38	3	...	3.6123	.0212	...	+27 22 56.43	01.27	3	...	12.550	.414	...
553	...	...	B. D. + 26° 566....	8.2*	25 0.799	01.96	3	...	3.5984	.0207	...	+26 46 14.18	01.96	3	...	12.546	.412	...
554	...	...	B. D. + 27° 514....	8.0*	25 0.991	01.38	3	...	3.6125	.0212	...	+27 23 22.98	01.27	3	...	12.546	.414	...
555	...	...	B. D. + 27° 515(1st*)	6.5†	25 17.635	02.07	3	...	3.6095	.0210	...	+27 13 49.49	02.07	3	...	12.527	.414	...
556	...	...	B. D. + 27° 515(2nd*)	7.0†	3 25 18.535	02.07	3	...	+ 3.6095	+ .0210	...	+27 13 48.94	02.07	3	...	+12.527	- .414	...
557	486	219	5 Tauri.....	4.3	25 21.064	04.53	19	...	3.3055	.0129	+ 16	+12 35 38.90	05.86	15	...	12.524	.382	+ 2
558	...	...	B. D. + 45° 784....	8.5*	26 15.441	06.43	1	...	4.1535	.0405	...	+45 55 19.19	06.43	1	...	12.462	.476	...
559	473	...	Bradley 473.....	6.4	27 21.252	08.28	2	2	7.1084	.2635	- 6	+75 24 25.42	07.54	4	2	12.386	.814	+ 13
560	493	221	18 Eridani.....	3.8	28 13.127	04.36	19	...	2.8904	.0056	- 660	- 9 47 48.15	05.20	19	...	12.327	.323	+ 25
561	...	...	B. D. + 26° 572....	8.2*	3 28 57.176	02.08	1	...	+ 3.5939	+ .0201	...	+26 16 21.17	02.08	1	...	+12.275	- .417	...
562	...	...	W. B. III. 474....	8.3*	28 59.780	05.04	4	...	3.3328	.0134	...	+13 50 24.49	05.04	4	...	12.273	.387	...
563	495	222	19 Eridani.....	4.3	29 22.268	05.38	5	...	2.6456	.0030	+ 23	-21 58 4.77	05.38	5	...	12.248	.311	- 39
564	...	...	B. D. + 27° 529....	8.0*	30 1.655	01.11	2	...	3.6189	.0207	...	+27 15 36.30	01.11	2	...	12.201	.421	...
565	...	...	B. D. + 25° 580....	8.0*	31 9.956	02.13	1	...	3.5841	.0196	...	+25 40 2.24	02.13	1	...	12.121	.419	...
566	...	225	Piazzi III. 94.....	5.3	3 33 28.344	05.56	7	...	+ 5.1675	+ .0895	- 21	+62 53 33.86	05.49	8	2	+11.961	- .609	+ 26
567	...	...	Groombridge 710....	6.8	33 28.598	07.93	1	...	6.8680	.2255	+ 35	+74 13 17.25	07.93	1	...	11.960	.809	+ 37
568	...	...	B. D. + 26° 590....	8.5*	33 29.621	02.08	1	...	3.6166	.0202	...	+26 53 45.43	02.08	1	...	11.959	.426	...
569	...	...	Piazzi III. 103.....	6.3	33 46.304	07.61	3	...	3.3845	.0141	+ 28	+16 12 41.16	07.61	3	...	11.940	.402	- 26
570	500	229	11 Tauri.....	6.2	34 47.838	03.96	20	...	3.5747	.0188	+ 14	+25 0 22.51	03.74	14	...	11.868	.425	- 8
571	...	...	B. D. + 24° 533....	8.2*	3 35 20.276	01.12	3	...	+ 3.5684	+ .0187	...	+24 41 6.20	01.12	3	...	+11.830	- .423	...
572	499	230	39 Persei.....	3.1	35 48.094	03.52	6	1	4.2502	.0414	+ 35	+47 28 4.25	03.03	6	(1)	11.797	.507	- 36
573	...	...	B. D. + 26° 601....	7.7*	36 27.701	02.13	1	...	3.6065	.0195	...	+26 15 10.63	02.13	1	...	11.750	.429	...
574	...	...	B. D. + 25° 593....	7.1	37 7.190	02.08	1	...	3.5868	.0189	...	+25 21 (50)	...	...	...	11.702	.427	...
575	...	232	38 Persei.....	3.9	38 2.742	06.03	5	...	3.7516	.0233	- 6	+31 58 17.65	06.03	5	...	11.638	.450	- 29
576	506	234	41 Persei.....	3.9	3 38 23.858	03.60	3	1	+ 4.0623	+ .0334	- 4	+42 15 46.24	02.66	3	(1)	+11.613	- .488	...
577	515	235	23 Eridani.....	3.7	38 27.450	03.33	13	...	2.8782	.0062	- 62	-10 6 6.01	03.05	8	...	11.609	.346	+ 731
578	509	236	17 Tauri.....	3.8	38 56.118	05.98	3	...	3.5536	.0177	+ 16	+23 47 57.26	05.98	3	...	11.575	.428	- 50
579	510	...	18 Tauri.....	5.6	39 11.612	01.12	1	...	3.5707	.0183	+ 12	+24 31 32.28	01.12	1	...	11.555	.428	- 55
580	511	...	19 Tauri.....	4.4	39 15.117	02.14	1	...	3.5622	.0179	+ 10	+24 9 11.93	02.14	1	...	11.552	.430	- 34
581	...	...	B. D. + 25° 607....	8.5*	3 39 32.996	02.08	1	...	+ 3.5892	+ .0187	...	+25 17 49.71	02.08	1	...	+11.529	- .431	...
582	...	237	Camelopardi.....	4.7	39 47.753	04.36	3	1	6.2541	.1594	+ 60	+71 1 27.34	06.33	5	4	11.513	.753	- 57
583	513	...	21 Tauri.....	5.9	39 56.970	02.13	1	...	3.5652	.0179	+ 13	+24 14 31.22	02.13	1	...	11.502	.431	- 46
584	...	...	B. D. + 24° 562....	6.8	41 1.862	02.13	1	...	3.5662	.0179	...	+24 12 34.94	02.13	1	...	11.423	.431	...
585	521	238	25 Tauri.....	3.0	41 32.281	03.72	16	...	3.5574	.0175	+ 16	+23 47 45.62	03.72	14	...	11.388	.432	- 50
586	...	...	B. D. + 24° 568....	8.4*	3 41 47.036	01.13	1	...	+ 3.5876	+ .0184	...	+25 4 38.63	01.13	1	...	+11.370	- .433	...
587	530	239	27 Eridani.....	4.3	42 32.698	06.02	1	...	2.5916	.0025	- 114	-23 32 43.68	06.02	1	...	11.315	.314	- 523
588	...	...	B. D. + 25° 620....	8.5*	42 44.715	02.08	1	...	3.5988	.0186	...	+25 29 33.73	02.08	1	...	11.304	.435	...
589	527	241	27 Tauri.....	3.8	43 12.818	06.56	5	...	3.5587	.0174	+ 13	+23 44 52.19	06.56	5	...	11.267	.434	- 48
590	532	242	28 Eridani.....	5.0	43 21.563	05.04	2	...	2.5757	.0031	+ 38	-24 11 4.01	05.04	2	...	11.256	.317	+ 41
591	...	...	B. D. + 23° 562....	7.8*	3 43 28.690	01.12	1	...	+ 3.5637	+ .0176	...	+23 56 33.64	01.12	1	...	+11.247	- .433	...
592	...	...	Groombridge 737....	7.0	44 57.561	08.10	2	...	6.8922	.2053	- 2	+73 46 56.20	06.01	4	...	11.141	.841	+ 19
593	...	...	B. D. + 25° 627....	8.4*	45 17.292	02.08	1	...	3.6161	.0187	...	+26 3 5.60	02.08	1	...	11.115	.442	...
594	...	...	B. D. + 24° 583....	7.7*	45 25.677	01.46	3	...	3.5880	.0180	...	+24 51 40.06	01.46	3	...	11.105	.438	...
595	...	...	B. D. + 24° 587....	6.8	46 12.421	01.46	3	...	3.5893	.0179	...	+24 52 1.32	01.46	3	...	11.048	.439	...
596	...	...	B. D. + 25° 637....	8.6*	3 47 6.705	01.11	2	...	+ 3.5994	+ .0180	...	+25 14 12.56	01.11	2	...	+10.983	- .441	...
597	...	...	Mayer 136.....	6.0	47 26.866	07.32	5	...	3.4151	.0138	+ 85	+17 1 45.64	07.32	5	...	10.959	.424	- 36
598	534	244	44 Persei.....	2.9	47 50.609	04.98	6	...	3.7612	.0220	+ 10	+31 35 12.42	04.28	7	...	10.930	.465	- 14
599	...	245	Piazzi III. 178.....	5.2	48 36.414	03.60	3	2	5.0826	.0739	+ 3	+60 48 57.63	03.84	3	2	10.874	.627	- 17
600	...	...	B. D. + 23° 586....	9.0*	49 50.872	01.12	2	...	3.5632	.0169	...	+23 32 10.49	01.12	2	...	10.782	.441	...

587. Boss' Proper Motion has been used in Declination.

No.	No. in Answers' Bradley.	No. in Newcomb's Fundamental Catalogue.	Star's Name.	Magnitude.	Mean R.A., 1900'0.	Mean Date.	No. of Obs.		Annual Precession, 1900'0.	Secular Variation, 1900'0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900'0.	Mean Date.	No. of Obs.		Annual Precession, 1900'0.	Secular Variation, 1900'0.	Annual Proper Motion in Units of "001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
601	...	...	B. D. + 23° 589....	8'6*	3 50 40'776	02'08	1	...	+ 3'5589	+ '0167	...	+23 18 (18)	...	...	...	+10'720	- '441	...
602	539	248	45 Persei.....	3'0	51 8'389	05'40	8	...	4'0118	'0286	+ 31	+39 43 15'84	05'40	8	...	10'687	'500	- 27
603	...	...	B. D. + 24° 508....	8'0*	51 11'034	01'13	1	...	3'5996	'0176	...	+24 59 32'22	01'13	1	...	10'683	'447	...
604	544	...	Bradley 544.....	6'6	51 48'174	08'10	1	...	2'7923	'0046	+ 7	-13 53 (18)	...	...	...	10'638	'350	+ 2
605	542	250	46 Persei.....	4'1	52 28'472	05'98	3	...	3'8819	'0245	+ 12	+35 30 13'66	05'98	3	...	10'588	'486	- 17
606	...	...	B. D. + 23° 600....	8'0*	3 53 6'418	02'08	1	...	+ 3'5630	+ '0165	...	+23 20 28'02	02'08	1	...	+10'540	- '444	...
607	...	...	Groombridge 758....	7'7	53 8'921	05'13	1	...	7'6795	'2610	+ 235	+76 8 19'27	05'13	1	...	10'537	'951	- 63
608	...	...	B. D. + 24° 602....	8'3*	53 12'972	02'14	1	...	3'6011	'0174	...	+24 55 45'95	02'14	1	...	10'532	'449	...
609	546	251	34 Eridani.....	3'2	53 21'808	04'04	18	...	2'7931	'0045	+ 47	-13 47 34'21	03'88	18	...	10'522	'352	- 110
610	...	...	B. D. + 22° 612....	9'3*	53 57'339	01'11	3	...	3'5546	'0163	...	+22 56 0'84	01'11	3	...	10'478	'444	...
611	545	...	Bradley 545.....	7'2	3 55 0'332	01'11	2	...	+ 3'5556	+ '0162	+ 11	+22 55 10'88	01'11	2	...	+10'399	- '446	- 28
612	...	...	Bradley 545 (Comes)	8'3	55 0'967	01'11	2	...	3'5556	'0162	+ 10	+22 55 6'51	01'11	2	...	10'398	'446	- 19
613	...	...	Piazzi III. 215.....	5'8	55 3'025	08'70	1	...	3'4417	'0137	+ 95	+17 54 43'10	08'70	1	...	10'396	'436	- 37
614	548	252	35 Tauri.....	var.	55 8'319	04'92	11	...	3'3196	'0114	+ 2	+12 12 28'63	05'05	13	...	10'389	'418	- 11
615	553	255	38 Tauri.....	3'9	57 50'167	04'35	6	...	3'1875	'0091	+ 8	+ 5 42 43'51	04'26	8	...	10'187	'405	- 5
616	552	...	36 Tauri.....	5'7	3 58 22'691	02'14	1	...	+ 3'5815	+ '0162	+ 1	+23 49 51'71	02'14	1	...	+10'146	- '455	- 22
617	554	256	37 Tauri.....	4'5	58 46'904	03'33	13	...	3'5340	'0151	+ 70	+21 48 31'77	03'08	11	...	10'116	'451	- 58
618	...	...	B. D. + 23° 611....	8'7*	58 52'426	01'13	1	...	3'5679	'0160	...	+23 14 5'34	01'13	1	...	10'109	'452	...
619	...	...	W. B. (2) III. 1207-9	6'8	58 56'100	08'86	1	...	3'4306	'0130	- 11	+17 14 34'10	08'86	1	...	10'104	'436	- 74
620	549	257	47 Persei.....	4'3	59 7'695	04'95	1	...	4'4526	'0409	+ 1	+50 4 48'61	04'95	1	...	10'089	'565	- 36
621	...	...	B. D. + 22° 629....	8'3*	3 59 27'183	02'08	1	...	+ 3'5606	+ '0158	...	+22 53 42'58	02'08	1	...	+10'063	- '451	...
622	...	...	B. D. + 23° 617....	8'7*	4 0 39'653	01'13	1	...	3'5705	'0158	...	+23 14 51'77	01'13	1	...	9'973	'454	...
623	559	258	42 Tauri.....	5'3	0 49'401	07'03	5	...	3'7081	'0187	- 52	+28 43 51'78	07'03	5	...	9'961	'472	- 1
624	557	260	48 Persei.....	4'0	1 23'894	06'53	2	I	4'3374	'0362	+ 42	+47 26 44'69	06'58	2	I	9'917	'555	- 32
625	...	...	B. D. + 14° 657....	5'9	2 2'361	06'30	4	...	3'3818	'0120	+ 104	+14 53 43'35	06'30	4	...	9'869	'436	- 43
626	...	...	Piazzi III. 249.....	6'1	4 2 15'750	06'50	2	...	+ 3'4298	+ '0128	+ 32	+17 4 21'37	06'50	2	...	+ 9'852	- '441	- 22
627	...	...	B. D. + 21° 593....	8'8*	2 20'084	01'63	2	...	3'5371	'0150	...	+21 45 14'79	01'63	2	...	9'846	'452	...
628	...	...	B. D. + 23° 624....	7'2*	2 52'390	02'14	1	...	3'5819	'0158	...	+23 36 19'49	02'14	1	...	9'803	'458	...
629	562	262	43 Tauri.....	5'7	3 20'343	04'09	18	...	3'4821	'0137	+ 79	+19 20 41'60	03'53	12	...	9'770	'449	- 44
630	563	263	44 Tauri.....	5'6	4 44'324	04'99	3	...	3'6490	'0168	- 24	+26 13 12'52	04'99	3	...	9'662	'470	- 42
631	...	264	Groombridge 750....	6'7	4 5 5'501	01'62	13	8	+17'3012	+1'7977	+ 12	+85 17 28'85	02'71	12	5	+ 9'635	-2'219	+ 43
632	...	...	37 Eridani.....	5'6	5 29'778	05'05	1	...	2'9245	'0057	- 3	- 7 11 5'86	05'05	1	...	9'604	'378	- 9
633	...	...	B. D. + 23° 642....	7'2	6 26'500	02'14	2	...	3'5793	'0154	...	+23 19 0'48	02'14	2	...	9'531	'461	...
634	...	...	W. B. (2) IV. 59-62.	6'3	6 47'263	05'72	2	...	3'4325	'0125	+ 5	+27 1 12'37	05'72	2	...	9'505	'445	- 15
635	...	...	Piazzi IV. 6.....	6'2	6 55'519	01'12	3	...	3'5518	'0148	- 16	+22 9 24'08	01'12	3	...	9'493	'458	- 19
636	568	265	38 Eridani.....	4'1	4 6 59'036	05'12	11	...	+ 2'9258	+ '0059	+ 7	- 7 5 53'96	04'37	10	...	+ 9'490	- '380	+ 86
637	564	266	51 Persei.....	4'3	7 33'044	05'04	1	...	4'3887	'0358	+ 16	+48 9 19'49	05'04	1	...	9'446	'569	- 29
638	...	...	Groombridge 784....	6'7	8 12'093	03'92	1	...	7'7582	'2304	+ 47	+75 51 35'43	03'92	2	...	9'396	1'004	- 18
639	...	...	B. D. + 22° 657....	7'0	8 33'735	02'14	1	...	3'5546	'0147	...	+22 11 55'54	02'14	1	...	9'366	'460	...
640	...	...	B. D. + 21° 610....	8'8*	9 17'807	01'12	1	...	3'5469	'0144	...	+21 50 42'32	01'12	1	...	9'311	'460	...
641	574	267	39 Eridani.....	5'1	4 9 38'261	04'95	1	...	+ 2'8527	+ '0049	- 9	-10 30 15'98	04'95	1	...	+ 9'285	- '372	- 151
642	572	...	48 Tauri.....	6'4	10 5'556	06'91	1	...	3'3934	'0116	+ 85	+15 9 1'25	06'91	1	...	9'249	'445	- 24
643	573	268	49 Tauri.....	4'3	10 6'181	07'63	2	...	3'5266	'0094	+ 17	+ 8 39 31'04	07'63	2	...	9'249	'425	- 24
644	578	269	40 Eridani.....	4'5	10 40'165	05'55	4	...	2'9095	'0016	-1483	- 7 48 30'02	05'01	10	...	9'205	'342	-3435
645	...	...	B. D. + 21° 618....	5'6	12 18'146	01'12	2	...	3'5381	'0139	...	+21 20 5'83	01'12	2	...	9'077	'462	...
646	580	...	53 Tauri.....	5'3	4 13 32'416	01'63	2	...	+ 3'5287	+ '0136	+ 31	+20 54 1'87	01'63	2	...	+ 8'981	- '462	- 47
647	581	...	56 Tauri.....	5'3	13 41'500	02'08	1	...	3'5439	'0137	+ 32	+21 31 52'82	02'08	1	...	8'969	'467	- 40
648	579	273	54 Persei.....	5'1	13 54'958	06'61	5	...	3'8889	'0206	- 15	+34 19 31'53	06'61	5	...	8'952	'511	- 12
649	583	274	54 Tauri.....	3'9	14 6'080	04'48	17	...	3'4015	'0114	+ 83	+15 23 10'62	04'99	12	...	8'937	'450	- 26
650	...	...	B. D. + 20° 741....	7'1	15 41'415	01'12	3	...	3'5321	'0135	...	+20 56 59'74	01'12	3	...	8'812	'465	...

614. The limits of magnitude are 3'3 and 4'2 : period 3'49+.

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Answers' Bradley.		Star's Name.	Magnitude.	Mean R. A., 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.
	1755.	1900.					Above Pole.	Below Pole.						Above Pole.	Below Pole.			
651	...	...	Groombridge 810...	7.5	h m s 4 15 49.493	04.50	...	2	+ 6.6711	+ .1369	+ 64	+71 32 59.05	04.50	...	2	+ 8.802	- .878	- 11
652	...	...	Piazzi IV. 53	6.1	16 29.802	01.63	2	...	3.5240	.0133	+ 7	+20 35 4.95	01.63	2	...	8.748	.464	- 5
653	594	277	61 Tauri	3.9	17 9.996	04.02	9	...	3.4476	.0118	+ 76	+17 18 29.45	03.60	10	...	8.696	.458	- 30
654	...	...	B. D. + 21° 635	8.9*	17 27.157	02.08	1	...	3.5385	.0134	...	+21 8 43.33	02.08	1	...	8.673	.467	...
655	...	...	B. D. + 21° 641	8.0*	18 18.371	01.12	2	...	3.5481	.0135	...	+21 30 19.03	01.12	2	...	8.606	.469	...
656	...	...	65 Tauri	4.1	4 19 24.530	01.13	3	...	+ 3.5628	+ .0136	+ 73	+22 3 54.52	01.13	3	...	+ 8.518	- .472	- 48
657	...	...	67 Tauri	5.4	19 27.536	02.14	1	...	3.5606	.0136	+ 84	+21 58 15.80	02.14	2	...	8.515	.472	- 60
658	601	298	68 Tauri	4.2	19 42.146	05.49	6	...	3.4586	.0117	+ 78	+17 41 57.44	05.49	6	...	8.496	.463	- 31
659	605	...	71 Tauri	4.6	20 38.780	05.05	1	...	3.4062	.0109	+ 75	+15 23 28.80	05.05	1	...	8.421	.456	- 19
660	...	...	B. D. + 20° 756	8.6*	21 13.458	02.08	1	...	3.5329	.0129	...	+20 45 56.48	02.08	1	...	8.375	.470	...
661	...	...	Piazzi IV. 82	5.8	4 22 4.627	01.12	2	...	+ 3.5491	+ .0131	+ 78	+21 23 49.05	01.12	2	...	+ 8.306	- .473	- 45
662	609	281	74 Tauri	3.6	22 46.560	03.79	17	...	3.4909	.0119	+ 82	+18 57 31.56	03.29	23	...	8.251	.470	- 34
663	607	282	1 Camelopardi	5.4	24 6.385	05.53	2	1	4.7344	.0404	+ 15	+53 41 37.55	05.75	3	1	8.145	.634	+ 17
664	...	...	B. D. + 19° 731	7.7*	24 26.002	01.63	2	...	3.5082	.0122	...	+19 37 21.25	01.63	2	...	8.119	.469	...
665	617	283	80 Tauri	5.7	24 26.386	05.42	2	...	3.4094	.0106	+ 59	+15 25 9.92	05.42	2	...	8.119	.459	- 11
666	...	...	B. D. + 19° 733	8.5*	4 25 22.795	01.61	2	...	+ 3.5161	+ .0122	...	+19 55 3.86	01.61	2	...	+ 8.043	- .471	...
667	...	...	B. D. + 21° 657	8.0*	26 12.011	01.13	3	...	3.5534	.0127	...	+21 25 3.48	01.13	3	...	7.977	.477	...
668	618	285	57 Persei	6.1	26 22.559	07.05	3	...	4.2101	.0253	+ 12	+42 51 1.86	07.05	3	...	7.963	.567	+ 4
669	...	...	B. D. + 19° 736	9.0*	27 31.734	02.08	1	...	3.5102	.0119	...	+19 36 6.64	02.08	1	...	7.870	.473	...
670	627	287	86 Tauri	4.8	28 10.324	05.59	2	...	3.3937	.0101	+ 71	+14 38 3.48	05.59	2	...	7.819	.461	- 23
671	...	...	B. D. + 19° 740	7.3	4 29 48.008	01.12	1	...	+ 3.5159	+ .0117	...	+19 45 48.37	01.12	1	...	+ 7.688	- .475	...
672	...	...	B. D. + 19° 742	6.4	29 50.848	01.63	2	...	3.5138	.0117	...	+19 40 31.73	01.63	2	...	7.683	.475	...
673	630	288	87 Tauri	1.1	30 10.875	03.30	36	...	3.4337	.0102	+ 47	+16 18 29.84	03.55	24	...	7.657	.467	- 189
674	...	...	B. D. + 19° 745	8.5*	30 51.313	02.08	1	...	3.5053	.0115	...	+19 17 20.49	02.08	1	...	7.601	.475	...
675	637	289	48 Eridani	4.1	31 19.357	05.41	6	...	2.9954	.0058	- 5	- 3 33 24.55	03.84	8	...	7.565	.408	...
676	...	...	Lalande 8705	5.7	4 32 21.843	03.33	4	...	+ 3.5356	+ .0117	- 3	+20 29 1.96	03.33	4	...	+ 7.480	- .480	+ 2
677	...	...	B. D. + 18° 666	8.5*	32 41.767	02.16	1	...	3.4884	.0110	...	+18 31 59.42	02.16	1	...	7.453	.474	...
678	647	292	53 Eridani	4.0	33 36.141	03.84	5	...	2.7510	.0040	- 61	-14 29 57.69	04.03	4	...	7.380	.374	- 154
679	650	...	Bradley 650	5.6	34 43.867	05.03	1	...	2.7491	.0040	+ 93	-14 33 11.00	05.03	1	...	7.288	.379	- 129
680	...	294	Piazzi IV. 112	6.0	35 22.199	01.97	1	2	7.9833	.1798	+ 97	+75 45 33.27	02.20	4	2	7.236	1.091	- 144
681	...	...	B. D. + 19° 755	8.9*	4 35 42.486	01.13	1	...	+ 3.5281	+ .0113	...	+20 4 15.04	01.13	1	...	+ 7.208	- .482	...
682	...	...	B. D. + 19° 759	9.0*	35 51.266	02.12	2	...	3.5239	.0112	...	+19 53 43.29	02.12	2	...	7.195	.481	...
683	648	296	94 Tauri	4.3	36 14.493	03.84	18	...	3.5961	.0120	+ 7	+22 45 54.72	03.34	17	...	7.164	.493	- 20
684	...	...	B. D. + 18° 684	7.1	37 1.545	01.12	3	...	3.4915	.0107	...	+18 31 56.74	01.12	3	...	7.099	.478	...
685	...	298	4 Camelopardi	5.4	39 40.425	04.58	4	...	4.9745	.0395	+ 62	+56 34 47.59	04.58	4	...	6.883	.686	- 148
686	...	...	B. D. + 19° 774	8.5*	4 39 43.427	02.12	2	...	+ 3.5083	+ .0106	...	+19 8 38.22	02.12	2	...	+ 6.879	- .482	...
687	...	...	B. D. + 18° 717	8.0*	40 15.083	01.14	2	...	3.4957	.0104	...	+18 37 3.95	01.14	2	...	6.836	.481	...
688	...	...	Mayer 177	6.1	40 26.429	03.83	5	...	3.4942	.0101	+ 53	+18 33 14.04	03.62	5	...	6.820	.483	- 67
689	657	299	57 Eridani	4.2	40 30.116	04.16	18	...	2.9968	.0055	+ 11	- 3 26 16.30	03.76	17	...	6.815	.414	- 9
690	...	...	B. D. + 19° 782	8.7*	41 51.405	02.16	1	...	3.5096	.0104	...	+19 8 21.69	02.16	1	...	6.703	.484	...
691	...	...	B. D. + 17° 789	7.9	4 42 47.547	02.08	1	...	+ 3.4734	+ .0099	...	+17 37 47.53	02.08	1	...	+ 6.641	- .480	...
692	...	...	Piazzi IV. 190	6.8	42 50.767	01.47	3	...	3.4956	.0101	+ 131	+18 32 34.07	01.13	3	...	6.621	.483	- 399
693	...	302	9 Camelopardi	4.4	44 6.200	04.14	4	3	5.9342	.0678	+ 38	+66 10 22.08	04.46	3	3	6.518	.822	+ 5
694	663	303	1 Orionis	3.3	44 24.690	02.39	3	...	3.2228	.0071	+ 312	+ 6 47 11.68	01.82	4	...	6.493	.456	+ 24
695	...	...	B. D. + 18° 738	8.8*	44 27.326	01.16	1	...	3.5083	.0101	...	+19 1 12.45	01.16	1	...	6.489	.485	...
696	...	...	B. D. + 17° 791	9.0*	4 44 31.989	02.09	1	...	+ 3.4675	+ .0096	...	+17 20 52.36	02.09	1	...	+ 6.482	- .480	...
697	666	304	97 Tauri	5.1	45 31.394	05.03	11	...	3.5003	.0097	+ 59	+18 40 11.07	05.03	11	...	6.401	.488	- 35
698	670	305	3 Orionis	3.8	45 52.752	06.69	3	...	3.1929	.0067	+ 2	+ 5 26 3.28	06.69	3	...	6.371	.444	- 9
699	672	306	4 Orionis	5.2	46 52.568	08.05	1	...	3.3907	.0084	+ 4	+14 5 2.64	08.05	1	...	6.288	.472	- 56
700	...	...	B. D. + 18° 747	7.8*	47 44.248	01.83	3	...	3.5077	.0098	...	+18 54 24.95	01.83	3	...	6.217	.488	...

ALTAZIMUTH CATALOGUE, 1900.0.

25

No. in 133360AMM.	No. in Answers' Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R.A., 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
701	680	307	8 Orionis..... π^5	3.9	h m s 4 49 2.507	05.40	6	...	+ 3.1230	+ .0060	+ 2	+ 2 16 37.40	04.89	10	...	+ 6.108	- .436	+ 5
702	...	...	B. D. + 19° 811.....	6.2	49 5.602	01.13	3	...	3.5188	.0097	...	+19 19 25.09	01.13	3	...	6.103	.490	...
703	...	...	B. D. + 18° 754.....	9.0*	49 19.908	02.09	1	...	3.4932	.0094	...	+18 16 48.83	02.09	1	...	6.084	.487	...
704	...	...	Piazzi IV. 191.....	6.2	49 38.573	04.53	...	1	7.5490	.1286	+ 71	+74 6 52.82	04.53	...	2	6.058	1.054	+ 41
705	677	309	3 Aurigæ.....	2.9	50 28.754	03.65	24	...	3.9009	.0141	+ 9	+33 0 28.31	02.56	18	...	5.988	.546	- 21
706	...	...	B. D. + 17° 814.....	9.2*	4 50 41.318	02.16	1	...	+ 3.4832	+ .0092	...	+17 50 (44)	...	...	...	+ 5.971	- .486	...
707	...	...	B. D. + 16° 671.....	7.5	51 1.709	02.16	1	...	3.4524	.0088	...	+16 34 35.46	02.17	2	...	5.943	.482	...
708	686	...	Bradley 686.....	5.7	51 35.739	02.29	4	...	3.4628	.0087	- 8	+16 59 48.72	02.28	4	...	5.895	.485	- 11
709	685	311	98 Tauri..... k	5.7	52 2.101	06.96	3	...	3.6655	.0108	+ 23	+24 53 46.07	06.96	3	...	5.858	.514	- 61
710	...	...	Piazzi IV. 207.....	6.0	52 3.145	06.06	1	...	7.5060	.1231	+ 28	+73 55 10.39	06.06	2	...	5.857	1.046	- 24
711	...	...	B. D. + 18° 765.....	8.8*	4 52 30.266	02.16	1	...	+ 3.5088	+ .0093	...	+18 50 18.77	02.16	1	...	+ 5.819	- .491	...
712	...	...	B. D. + 16° 679.....	9.3*	54 7.004	01.14	3	...	3.4565	.0086	...	+16 40 42.76	01.13	3	...	5.684	.485	...
713	681	312	10 Camelopardi.....	4.2	54 31.237	04.09	7	...	5.3201	.0407	- 4	+60 17 46.57	04.28	6	1	5.650	.746	- 11
714	690	313	7 Aurigæ..... ϵ	var.	54 47.432	03.19	4	1	4.2971	.0192	+ 12	+43 40 32.15	02.36	4	(1)	5.627	.604	- 13
715	693	314	8 Aurigæ..... ζ	3.9	55 29.187	07.05	1	...	4.1856	.0172	+ 13	+40 55 47.46	07.05	1	...	5.569	.589	- 22
716	...	...	B. D. + 16° 685.....	9.0*	4 56 8.559	01.14	3	...	+ 3.4576	+ .0084	...	+16 41 13.95	01.13	3	...	+ 5.514	- .486	...
717	698	316	102 Tauri.....	4.7	57 7.045	03.13	13	...	3.5777	.0092	+ 56	+21 26 49.85	03.37	16	...	5.432	.506	- 49
718	...	...	B. D. + 16° 688.....	8.8*	58 17.833	01.45	3	...	3.4660	.0082	...	+16 59 6.77	01.45	3	...	5.332	.489	...
719	702	318	11 Orionis.....	4.7	58 51.269	04.80	7	...	3.4242	.0076	+ 13	+15 16 53.64	04.80	7	...	5.285	.484	- 36
720	...	...	B. D. + 18° 777.....	7.9*	59 0.268	01.48	3	...	3.4943	.0084	...	+18 6 53.08	01.48	3	...	5.273	.493	...
721	700	319	10 Aurigæ..... η	3.3	4 59 29.970	03.06	5	...	+ 4.1978	+ .0163	+ 39	+41 5 57.89	03.06	5	...	+ 5.231	- .594	- 71
722	...	...	Mayer 198.....	6.5	4 59 38.373	07.33	2	...	3.5336	.0085	- 36	+19 40 8.04	07.33	2	...	5.219	.499	- 18
723	...	...	B. D. + 17° 841.....	8.8*	5 0 28.805	02.16	1	...	3.4843	.0082	...	+17 40 51.01	02.16	1	...	5.147	.492	...
724	713	320	2 Leporis..... ϵ	3.3	1 13.668	04.61	8	...	2.5367	.0032	+ 12	-22 30 19.23	04.87	8	...	5.085	.360	- 64
725	...	...	B. D. + 16° 697.....	8.3*	1 14.751	01.51	3	...	3.4602	.0079	...	+16 41 40.50	01.42	4	...	5.083	.489	...
726	705	...	104 Tauri..... m	5.0	5 1 32.292	05.05	1	...	+ 3.5053	+ .0082	+ 380	+18 30 39.75	05.05	1	...	+ 5.058	- .507	+ 26
727	...	...	Lalande 9625.....	9.0*	2 11.343	03.12	3	...	3.4644	.0079	...	+16 50 52.01	03.12	3	...	5.004	.490	...
728	...	...	B. D. + 16° 701.....	9.4*	2 19.076	05.13	1	...	3.4626	.0079	...	+16 57 22.48	05.13	1	...	4.992	.490	...
729	...	...	B. D. + 15° 749.....	7.8*	2 21.707	01.15	3	...	3.4369	.0076	...	+15 43 26.26	01.15	3	...	4.988	.487	...
730	715	322	67 Eridani..... β	2.9	2 56.036	04.91	6	...	2.9541	.0043	- 56	- 5 12 56.40	04.91	6	...	4.940	.418	- 74
731	714	...	15 Orionis.....	4.9	5 3 58.475	01.16	3	...	+ 3.4312	+ .0072	+ 6	+15 28 10.33	01.15	3	...	+ 4.852	- .488	+ 1
732	720	325	69 Eridani..... λ	4.3	4 21.487	08.01	1	...	2.8696	.0040	+ 6	- 8 52 56.87	08.01	1	...	4.819	.408	- 8
733	...	...	B. D. + 17° 862.....	8.2*	4 51.927	01.18	2	...	3.4771	.0077	...	+17 18 53.64	01.18	2	...	4.776	.494	...
734	...	...	B. D. + 16° 715.....	8.5*	5 4.499	02.16	1	...	3.4524	.0075	...	+16 18 31.97	02.16	1	...	4.759	.490	...
735	...	...	Piazzi V. I.....	5.4	5 56.884	01.13	3	...	3.4431	.0073	+ 2	+15 55 20.36	01.13	3	...	4.684	.489	+ 2
736	...	326	Piazzi IV. 269.....	5.2	5 6 4.121	05.25	3	3	+ 9.8320	+ .2022	- 283	+79 6 59.19	04.94	6	6	+ 4.674	-1.380	+ 155
737	...	...	B. D. + 16° 721.....	8.8*	6 6.449	01.17	2	...	3.4604	.0074	...	+16 37 12.38	01.16	3	...	4.671	.492	...
738	719	327	11 Aurigæ..... μ	4.8	6 35.026	03.95	6	...	4.1017	.0133	- 20	+38 21 57.46	03.95	6	...	4.630	.583	- 80
739	...	...	B. D. + 16° 732.....	8.8*	7 28.488	02.17	3	...	3.4645	.0073	...	+16 45 52.22	02.17	3	...	4.555	.493	...
740	732	328	5 Leporis..... μ	3.3	8 26.346	05.53	2	...	2.6908	.0033	+ 27	-16 19 24.98	05.53	2	...	4.472	.385	- 28
741	...	...	B. D. + 16° 735.....	8.7*	5 8 33.839	01.18	2	...	+ 3.4599	+ .0072	...	+16 33 42.68	01.18	2	...	+ 4.461	- .493	...
742	...	...	Lalande F. 724.....	8.0	8 42.146	06.06	1	...	7.9656	.1068	...	+75 5 19.83	06.06	2	...	4.451	.135	...
743	722	329	13 Aurigæ..... α	2	9 17.888	04.92	4	2	4.4177	.0157	+ 87	+45 53 47.41	04.11	4	2	4.399	.633	- 429
744	726	...	108 Tauri.....	6.2	9 26.934	00.08	3	...	3.6037	.0080	- 5	+22 10 11.98	00.08	3	...	4.386	.514	- 25
745	...	...	B. D. + 15° 769.....	8.9*	9 42.195	02.18	1	...	3.4345	.0069	...	+15 30 56.48	02.18	1	...	4.364	.490	...
746	736	330	19 Orionis..... β	0.3	5 9 43.887	03.18	29	...	+ 2.8816	+ .0039	+ 1	- 8 19 1.33	05.15	14	...	+ 4.362	- .412	...
747	...	...	B. D. + 16° 741.....	8.3*	10 55.321	01.15	3	...	3.4695	.0070	...	+16 54 33.20	01.15	3	...	4.260	.495	...
748	...	...	B. D. + 16° 742.....	7.8*	11 19.964	01.16	3	...	3.4530	.0068	...	+16 14 30.85	01.15	3	...	4.225	.493	...
749	...	...	B. D. + 15° 779.....	8.5*	11 25.066	02.17	2	...	3.4263	.0066	...	+15 9 13.52	02.17	2	...	4.218	.490	...
750	731	332	15 Aurigæ..... λ	4.9	12 6.294	02.45	3	...	4.1698	.0117	+ 462	+40 0 37.72	02.45	3	...	4.159	.610	- 658

714. The limits of magnitude are 3.4 and 4.1.

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Auwers' Bradley.		Star's Name.	Magnitude.	Mean R.A., 1900.0.			No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.		Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "001.
	1755.	1900.			Mean Date.			Above Pole.	Below Pole.							Above Pole.	Below Pole.			
751	...	...	B. D. + 73° 285.....	7.0	h m s	...	...	...	...	s	s	...	" ' "	" ' "	...	...	...	"	"	...
752	742	333	20 Orionis.....	3.7	5 12 (24)	...	...	...	...	+ 7.5176	+ .0842	...	+73 36 26.59	05.04	2	...	...	+ 4.134	- 1.075	...
753	741	...	109 Tauri.....	5.1	12 45.045	04.88	4	...	...	2.9128	.0039	- 9	- 6 57 8.13	04.88	4	...	...	4.104	.417	- 5
754	...	...	Mayer 208.....	6.2	13 16.047	00.09	3	...	...	3.6009	.0074	+ 21	+21 59 35.63	00.10	4	...	...	4.060	.517	- 83
755	...	...	B. D. + 15° 787.....	8.2*	13 19.712	07.89	2	...	...	3.5495	.0071	- 27	+20 1 46.72	07.89	2	...	...	4.054	.508	- 29
756	...	...	B. D. + 15° 789.....	9.2*	13 54.767	01.51	3	...	...	3.4401	.0065	...	+15 40 53.97	01.51	3	...	...	4.004	.493	...
757	...	...	Groombridge 948....	7.2	5 14 18.677	02.17	2	...	...	+ 3.4485	+ .0065	...	+16 1 6.46	02.17	2	...	...	+ 3.969	- .494	...
758	...	...	B. D. + 14° 881.....	7.9*	14 36.789	04.09	2	...	...	7.7849	.0885	+ 34	+74 27 43.73	06.72	6	...	...	3.944	1.115	+ 41
759	748	336	6 Leporis.....	4.3	14 53.268	01.16	3	...	...	3.4226	.0063	...	+14 57 27.56	01.15	3	...	...	3.921	.491	...
760	...	...	B. D. + 15° 790.....	8.0*	14 58.084	07.09	4	...	...	2.7630	.0034	+ 3	-13 16 47.56	07.09	4	...	...	3.914	.397	- 2
761	...	...	Mayer 211.....	6.4	14 59.240	02.17	1	...	...	3.4368	.0064	...	+15 32 5.97	02.17	1	...	...	3.912	.493	...
762	...	...	Piazzi V. 43.....	9.5*	5 15 2.132	06.02	1	...	...	+ 3.5440	+ .0068	+ 5	+19 42 48.09	06.02	1	...	...	+ 3.908	- .508	- 24
763	...	...	B. D. + 15° 795.....	7.7*	15 24.340	05.05	1	...	...	3.5357	.0070	...	+19 28 32.31	05.05	1	...	...	3.876	.507	...
764	...	...	B. D. + 15° 797.....	8.6*	15 54.821	01.67	2	...	...	3.4424	.0063	...	+15 44 54.53	01.67	2	...	...	3.832	.494	...
765	...	...	B. D. + 15° 799.....	7.4	16 15.012	02.17	2	...	...	3.4486	.0063	...	+15 59 36.11	02.17	2	...	...	3.803	.495	...
766	751	338	22 Orionis.....	4.7	16 38.288	02.17	3	...	...	3.4495	.0063	...	+16 1 32.27	02.17	3	...	...	3.771	.495	...
767	...	...	B. D. + 15° 805.....	6.9	5 16 39.429	08.01	1	...	...	+ 3.0613	+ .0042	- 1	- 0 28 51.79	08.01	1	...	...	+ 3.769	- .440	+ 5
768	...	...	Lalande 10107.....	6.9	17 46.741	01.18	2	...	...	3.4479	.0062	...	+15 56 44.94	01.18	2	...	...	3.672	.495	...
769	...	...	B. D. + 15° 809.....	8.9*	19 13.679	00.09	2	...	...	3.5640	.0066	...	+20 29 32.59	00.10	3	...	...	3.547	.513	...
770	765	340	28 Orionis.....	3.4	19 22.188	01.49	3	...	...	3.4316	.0059	...	+15 16 15.17	01.40	4	...	...	3.536	.494	...
771	763	341	25 Orionis.....	4.7	19 26.903	07.37	3	...	...	3.0152	.0039	...	- 2 29 20.22	07.37	3	...	...	3.529	.434	- 3
772	761	342	24 Orionis.....	1.7	5 19 33.328	06.17	1	...	...	+ 3.1126	+ .0043	- 9	+ 1 45 17.01	06.17	1	...	...	+ 3.519	- .448	- 5
773	...	...	B. D. + 15° 810.....	9.0*	19 46.045	04.04	1	...	...	3.2167	.0046	- 4	+ 6 15 32.33	04.04	1	...	...	3.501	.463	- 17
774	756	343	112 Tauri.....	1.8	19 54.127	01.18	1	...	...	3.4372	.0059	...	+15 29 28.75	01.18	1	...	...	3.491	.495	...
775	...	...	B. D. + 15° 813.....	7.8*	19 58.151	03.91	24	...	...	3.7876	.0077	+ 25	+28 31 23.10	03.15	23	...	...	3.484	.546	- 177
776	...	...	B. D. + 15° 814.....	7.5	20 10.706	02.15	1	...	...	3.4342	.0059	...	+15 21 50.50	02.15	1	...	...	3.465	.494	...
777	745	344	17 Camelopardi.....	5.8	5 20 18.555	01.68	2	...	...	+ 3.4396	+ .0059	...	+15 34 58.70	01.68	2	...	...	+ 3.455	- .495	...
778	767	...	115 Tauri.....	5.3	20 43.467	08.08	1	...	...	5.6551	.0297	+ 3	+62 59 1.50	08.08	1	...	...	3.419	.814	- 7
779	...	...	B. D. + 15° 822.....	5.9	21 20.076	06.02	1	...	...	3.4973	.0059	+ 16	+17 52 35.44	06.02	1	...	...	3.366	.505	- 21
780	768	...	114 Tauri.....	4.8	21 30.711	01.51	3	...	...	3.4297	.0057	...	+15 10 18.07	01.42	4	...	...	3.350	.494	...
781	...	...	W. B. (2) V. 541....	7.8*	21 37.709	00.11	2	...	...	3.6008	.0064	+ 6	+21 51 5.53	00.11	2	...	...	3.341	.519	- 10
782	...	...	B. D. + 14° 914.....	8.5*	5 21 51.364	00.05	1	...	...	+ 3.6376	+ .0067	...	+23 12 32.11	00.05	1	...	...	+ 3.322	- .525	...
783	771	...	116 Tauri.....	5.6	21 59.539	02.08	1	...	...	3.4023	.0055	...	+14 3 0.41	02.08	1	...	...	3.310	.490	...
784	...	...	Groombridge 962....	7.0	22 0.803	02.17	1	...	...	3.4451	.0057	+ 6	+15 47 22.72	02.17	1	...	...	3.307	.496	- 30
785	781	347	9 Leporis.....	3.0	23 56.344	04.29	1	...	...	7.7524	.0690	+ 139	+74 15 1.08	04.31	1	2	...	3.142	1.118	- 112
786	...	...	W. B. (2) V. 618....	8.7*	23 57.658	06.91	7	...	...	2.5699	.0028	...	-20 50 19.77	06.91	7	...	...	3.139	.371	- 89
787	...	...	B. D. + 15° 837....	5.8	5 24 8.784	00.13	1	...	...	+ 3.5871	+ .0061	...	+21 18 5.32	00.12	2	...	...	+ 3.123	- .518	...
788	...	...	B. D. + 14° 933....	8.3*	24 42.688	01.16	3	...	...	3.4334	.0054	...	+15 16 59.68	01.15	3	...	...	3.074	.496	...
789	...	...	B. D. + 14° 934....	6.6	25 48.675	01.18	3	...	...	3.4159	.0052	...	+14 34 7.09	01.18	3	...	...	2.979	.493	...
790	776	348	25 Aurigae.....	4.9	25 53.238	02.14	4	...	...	3.4229	.0052	...	+14 51 10.87	02.14	4	...	...	2.973	.494	...
791	783	...	119 Tauri.....	4.7	26 12.962	03.16	1	...	...	3.9022	.0076	+ 6	+32 7 5.71	03.16	1	...	...	2.944	.564	- 13
792	...	349	Groombridge 966....	6.4	5 26 20.854	06.17	1	...	...	+ 3.5152	+ .0055	+ 7	+18 31 11.27	06.17	1	...	...	+ 2.933	- .509	- 4
793	787	350	34 Orionis.....	2.5	26 20.922	02.25	...	6	...	7.9988	.0704	- 3	+74 58 40.52	02.74	2	8	...	2.933	1.155	+ 17
794	...	...	B. D. + 14° 939....	8.9*	26 53.842	04.23	16	...	...	3.0637	.0037	...	- 0 22 23.12	04.55	17	...	...	2.885	.443	- 2
795	...	...	Mayer 219.....	6.1	27 4.217	02.17	2	...	...	3.4059	.0050	...	+14 8 53.89	02.17	2	...	...	2.871	.492	...
796	788	...	35 Orionis.....	5.5	27 42.139	00.09	2	...	...	3.5645	.0055	- 1	+20 24 11.28	00.09	2	...	...	2.816	.516	- 13
797	...	...	B. D. + 15° 856....	7.3	5 28 13.247	01.51	3	...	...	+ 3.4082	+ .0049	- 1	+14 14 8.24	01.51	3	...	...	+ 2.771	- .493	- 6
798	796	354	11 Leporis.....	2.7	28 16.184	02.17	1	...	...	3.4400	.0051	...	+15 30 54.05	02.15	1	...	...	2.767	.498	...
799	...	...	B. D. + 14° 948....	8.3*	28 19.163	04.74	13	...	...	2.6450	.0029	+ 3	-17 53 37.45	05.78	8	...	...	2.762	.383	...
800	...	...	B. D. + 13° 922....	8.4*	28 19.563	02.16	2	...	...	3.4128	.0049	...	+14 25 13.64	02.16	2	...	...	2.761	.493	...
					28 50.742	02.18	1	...	...	3.4009	.0048	...	+13 56 5.49	02.18	1	...	...	2.716	.492	...

ALTAZIMUTH CATALOGUE, 1900.0.

No. in Answers Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R.A., 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.
						Above Pole.	Below Pole.						Above Pole.	Below Pole.			
801	...	Rümker 1471	8.3*	h m s 5 28 53.764	00.10	1	...	+ 3.6210	+ .0057	...	° ' " +22 30 4.48	00.10	1	...	+ 2.712	- .524	...
802	...	B. D. + 13° 927	8.5*	29 27.167	01.17	3	...	3.3867	.0047	...	+13 20 46.06	01.16	3	...	2.664	.490	...
803	...	Groombridge 944	6.4	29 53.620	05.83	1	1	18.6780	.5104	+ 130	+85 8 50.21	05.18	3	3	2.625	2.704	- 4
804	802	41 Orionis	4.8†	30 21.631	07.05	1	...	2.9458	.0033	+ 11	- 5 27 20.64	07.05	1	...	2.585	.427	...
805	804	43 Orionis	6.1†	30 28.170	06.58	2	...	2.9452	.0033	+ 8	- 5 28 54.84	07.05	1	...	2.576	.427	+ 10
806	806	44 Orionis	2.9	5 30 32.375	04.12	2	...	+ 2.9336	+ .0032	+ 1	- 5 58 31.98	04.12	2	...	+ 2.570	- .425	- 2
807	...	B. D. + 14° 958	8.4*	30 46.026	02.17	3	...	3.4176	.0047	...	+14 35 36.23	02.17	3	...	2.550	.495	...
808	...	B. D. + 14° 959	8.5*	31 0.718	01.51	3	...	3.4070	.0047	...	+14 9 50.35	01.51	3	...	2.530	.494	...
809	809	46 Orionis	1.8	31 8.318	03.71	13	...	3.0430	.0034	...	- 1 15 56.65	02.72	8	...	2.518	.441	+ 1
810	800	123 Tauri	3.0	31 40.039	04.05	6	...	3.5836	.0051	+ 6	+21 4 53.37	04.24	5	...	2.472	.520	- 32
811	...	Lalande 10632	6.7	5 33 9.282	07.19	1	...	+ 3.0439	+ .0034	...	- 1 13 (39)	...	...	...	+ 2.343	- .442	...
812	...	B. D. + 14° 973	7.6*	33 25.905	01.16	3	...	3.4157	.0045	...	+14 29 58.00	01.16	3	...	2.319	.495	...
813	814	48 Orionis	3.8	33 43.567	06.99	4	...	3.0107	.0032	- 4	- 2 39 27.85	06.99	4	...	2.293	.437	...
814	...	B. D. + 14° 978	8.5*	34 5.543	02.17	3	...	3.4219	.0044	...	+14 44 37.72	02.17	3	...	2.261	.496	...
815	819	50 Orionis	2.0†	35 42.753	04.61	11	...	3.0260	.0031	+ 5	- 1 59 43.82	04.61	13	...	2.120	.440	- 14
816	...	50 Orionis (Comes)	5.7†	5 35 42.857	06.69	2	...	+ 3.0260	+ .0031	+ 5	- 1 59 45.82	06.69	2	...	+ 2.120	- .440	- 14
817	...	B. D. + 13° 954	8.9*	35 50.658	01.67	2	...	3.3816	.0041	...	+13 5 47.76	01.67	2	...	2.108	.491	...
818	...	Piazzi V. 184	6.5	36 1.294	00.07	1	...	3.6259	.0048	- 20	+22 36 35.36	00.07	1	...	2.094	.526	+ 18
819	...	Columbæ	2.8	36 1.642	01.13	1	...	2.1715	.0027	+ 6	-34 7 (38)	...	...	...	2.093	.316	- 38
820	...	B. D. + 13° 957	8.5*	36 31.204	01.49	3	...	3.3926	.0041	...	+13 32 30.79	01.49	3	...	2.050	.493	...
821	...	Groombridge 993	7.8	5 36 37.102	05.04	1	...	+ 8.2786	+ .0563	+ 53	+75 40 30.80	05.04	2	...	+ 2.042	-1.201	- 17
822	...	Piazzi V. 192	6.1	37 15.284	00.12	1	...	3.6411	.0046	+ 11	+23 9 24.86	00.12	1	...	1.987	.529	- 42
823	823	Bradley 823	6.9	37 17.505	01.51	3	...	3.4072	.0041	- 25	+14 7 49.73	01.51	3	...	1.984	.495	- 16
824	...	W. B. (2) V. 1127	8.3*	37 22.584	00.13	1	...	3.5928	.0045	...	+21 22 9.46	00.13	1	...	1.975	.522	...
825	...	B. D. + 13° 964	8.7*	37 23.610	02.17	2	...	3.3818	.0040	...	+13 5 46.65	02.17	1	...	1.974	.491	...
826	...	B. D. + 14° 998	8.8*	5 37 50.188	02.16	1	...	+ 3.4131	+ .0040	...	+14 21 50.07	02.16	1	...	+ 1.936	- .496	...
827	815	27 Aurigæ	5.5	38 9.130	03.98	7	...	4.6457	.0092	- 18	+49 46 57.98	03.98	7	...	1.908	.675	- 18
828	...	B. D. + 12° 882	8.1*	39 4.863	01.85	3	...	3.3644	.0038	...	+12 22 18.33	01.85	3	...	1.827	.489	...
829	...	B. D. + 13° 971	8.4*	39 23.648	02.16	1	...	3.3928	.0038	...	+13 31 58.66	02.16	1	...	1.799	.493	...
830	...	B. D. + 12° 884	6.6	39 23.775	01.17	3	...	3.3760	.0038	...	+12 50 45.26	01.17	3	...	1.799	.491	...
831	837	13 Leporis	3.8	5 40 17.696	07.92	3	...	+ 2.5213	+ .0020	- 213	-22 28 52.92	07.92	3	...	+ 1.722	- .361	- 353
832	...	Lalande 10891	8.2*	41 12.599	00.06	2	...	3.6239	.0041	...	+22 29 27.04	00.06	2	...	1.641	.527	...
833	...	B. D. + 12° 896	7.2	41 35.182	01.40	4	...	3.3629	.0036	...	+12 18 8.70	01.40	4	...	1.609	.489	...
834	832	130 Tauri	5.5	41 36.332	07.06	2	...	3.4973	.0037	+ 4	+17 41 30.21	07.06	2	...	1.607	.509	- 9
835	...	B. D. + 12° 899	8.7*	41 51.992	02.17	2	...	3.3610	.0035	...	+12 13 14.14	02.17	2	...	1.584	.489	...
836	834	133 Tauri	5.2	5 42 2.602	01.18	3	...	+ 3.4012	+ .0036	+ 12	+13 51 48.47	01.18	3	...	+ 1.568	- .495	- 13
837	...	B. D. - 9° 1231	8.0*	42 13.398	07.81	1	...	2.8444	.0026	...	- 9 42 (9)	...	...	...	1.554	.414	...
838	843	14 Leporis	3.7	42 25.463	03.98	7	...	2.7188	.0025	- 13	-14 51 32.40	03.98	7	...	1.536	.396	- 1
839	835	132 Tauri	5.0	42 52.724	08.12	1	...	3.6807	.0040	...	+24 32 2.53	08.12	1	...	1.496	.536	- 23
840	844	53 Orionis	2.2	43 0.819	04.56	18	...	2.8444	.0026	+ 1	- 9 42 18.25	03.43	15	...	1.484	.414	- 3
841	...	B. D. + 13° 988	8.7*	5 43 45.497	01.18	2	...	+ 3.4021	+ .0034	...	+13 53 23.65	01.18	2	...	+ 1.420	- .495	...
842	842	134 Tauri	4.9	43 55.914	01.83	3	...	3.3709	.0034	- 9	+12 37 10.40	01.83	3	...	1.404	.491	- 26
843	840	32 Aurigæ	4.2	44 33.505	05.92	5	...	4.1567	.0051	- 1	+39 7 9.12	05.92	5	...	1.350	.605	+ 13
844	...	W. B. (2) V. 1426	7.1	45 45.754	00.07	1	...	3.6484	.0035	- 2	+23 21 20.78	00.07	1	...	1.245	.531	- 31
845	...	B. D. + 19° 1110	6.0	46 27.883	07.44	2	...	3.5538	.0032	- 8	+19 50 32.08	07.44	2	...	1.183	.517	- 31
846	...	B. D. + 12° 925	8.4*	5 46 37.570	02.17	1	...	+ 3.3768	+ .0031	...	+12 51 9.10	02.17	2	...	+ 1.169	- .492	...
847	858	15 Leporis	3.9	47 1.287	07.59	4	...	2.5632	.0014	+ 162	-20 53 14.79	07.59	4	...	1.135	.378	- 649
848	...	B. D. + 22° 1080	8.5*	47 18.214	00.10	1	...	3.6130	.0033	...	+22 3 3.14	00.10	1	...	1.110	.527	...
849	850	Bradley 850	6.6	47 (22)	...	...	...	3.5653	.0031	+ 23	+20 16 34.03	00.11	1	...	1.104	.520	- 59
850	...	B. D. + 11° 960	7.5*	47 37.363	01.15	3	...	3.3511	.0030	...	+11 47 39.17	01.15	3	...	1.083	.488	...

ALTAZIMUTH CATALOGUE, 1900'0.

No.	No. in Auwers' Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R.A., 1900'0.	Mean Date.	No. of Obs.		Annual Precession, 1900'0.	Secular Variation, 1900'0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900'0.	Mean Date.	No. of Obs.		Annual Precession, 1900'0.	Secular Variation, 1900'0.	Annual Proper Motion in Units of "001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
851	...	...	B. D. + 12° 937....	7.6	5 48 22.133	01'18	2	...	+ 3'3660	+ '0029	...	+12 24 20'18	01'18	2	...	+ 1'017	- '491	...
852	856	...	54 Orionis.....	4.6	48 27'674	00'12	1	...	3'5650	'0029	- 126	+20 15 27'86	00'12	1	...	1'009	'516	- 85
853	...	...	B. D. + 12° 941....	8.5*	48 29'210	02'16	1	...	3'3571	'0029	...	+12 2 34'12	02'16	1	...	1'007	'489	...
854	...	...	B. D. + 11° 964....	6.5	48 57'087	01'84	3	...	3'3499	'0029	...	+11 44 39'11	01'84	3	...	0'966	'488	...
855	857	...	57 Orionis.....	5.9	49 1'472	06'10	1	...	3'5511	'0029	+ 3	+19 43 48'48	06'10	1	...	0'960	'518	- 13
856	...	...	B. D. + 11° 965....	7.9*	5 49 1'820	02'17	3	...	+ 3'3803	+ '0029	...	+11 27 58'53	02'17	3	...	+ 0'959	- '487	...
857	860	382	58 Orionis.....	var.	49 45'470	03'14	32	...	3'2455	'0026	+ 20	+ 7 23 18'63	03'57	30	...	0'896	'474	+ 9
858	...	...	B. D. + 12° 950....	8.0*	50 0'814	01'18	1	...	3'3803	'0028	...	+12 59 4'51	01'18	1	...	0'873	'493	...
859	...	...	B. D. + 11° 970....	8.5*	50 2'970	01'15	3	...	3'3511	'0028	...	+11 47 33'13	01'15	3	...	0'870	'489	...
860	...	...	Lalande 11198.....	5.8	50 48'641	08'12	1	...	3'6735	'0029	...	+24 14 6'07	08'12	1	...	0'804	'535	...
861	852	383	33 Aurigæ.....	3.9	5 51 17'559	01'74	1	3	+ 4'9293	+ '0046	+ 119	+54 16 37'65	01'90	1	3	+ 0'761	- '722	- 118
862	...	...	Groombridge 1030....	6.5	51 21'888	08'05	1	...	8'2667	'0165	+ 42	+75 34 55'18	08'05	2	...	0'755	1'205	- 23
863	866	385	16 Leporis.....	3.8	51 50'938	06'17	1	...	2'7347	'0025	- 28	-14 11 10'36	06'17	1	...	0'713	'398	+ 141
864	...	...	B. D. + 12° 959....	9.0*	51 57'998	02'16	1	...	3'3781	'0026	...	+12 53 24'46	02'16	1	...	0'703	'493	...
865	859	387	34 Aurigæ.....	2.1	52 11'517	05'36	5	...	4'4051	'0036	- 38	+44 56 14'58	05'36	5	...	0'683	'641	- 6
866	...	...	B. D. + 12° 963....	8.5*	5 52 27'354	01'51	3	...	+ 3'3776	+ '0026	...	+12 52 13'43	01'51	3	...	+ 0'660	- '493	...
867	...	...	B. D. + 12° 965....	8.7*	52 44'234	01'68	2	...	3'3803	'0026	...	+12 58 40'34	01'68	2	...	0'636	'493	...
868	863	388	37 Aurigæ.....	2.7	52 54'162	02'99	1	...	4'0865	'0028	+ 47	+37 12 21'14	02'99	1	...	0'621	'597	- 91
869	...	...	W. B. (2) V. 1652....	8.5*	52 57'614	00'05	1	...	3'5763	'0025	...	+20 39 59'66	00'05	1	...	0'615	'522	...
870	...	...	W. B. V. 1287.....	5.8	53 15'670	01'83	3	...	3'3758	'0025	- 16	+12 47 55'19	01'83	3	...	0'589	'492	+ 26
871	...	...	Lalande 11293.....	6.7	5 53 39'454	00'10	2	...	+ 3'6012	+ '0025	+ 6	+21 35 47'11	00'10	2	...	+ 0'555	- '525	+ 8
872	...	...	B. D. + 11° 986....	8.6*	53 45'359	01'16	2	...	3'3504	'0025	...	+11 45 15'89	01'15	1	...	0'547	'489	...
873	867	...	140 Tauri.....	6.9	54 24'554	00'10	1	...	3'6366	'0024	+ 19	+22 53 39'57	00'10	1	...	0'489	'531	- 23
874	...	...	B. D. + 12° 980....	6.5	54 39'955	01'68	4	...	3'3712	'0024	...	+12 36 19'70	01'68	4	...	0'466	'492	...
875	...	...	B. D. + 11° 1002....	8.4*	56 29'893	01'17	3	...	3'3481	'0022	...	+11 39 19'64	01'18	2	...	0'306	'488	...
876	877	391	61 Orionis.....	4.2	5 56 52'928	07'95	2	...	+ 3'2995	+ '0020	+ 14	+ 9 38 50'42	07'00	4	...	+ 0'273	- '482	- 46
877	...	...	B. D. + 12° 994....	8.2*	57 1'398	02'17	2	...	3'3729	'0022	...	+12 40 14'60	02'17	2	...	0'261	'492	...
878	878	...	64 Orionis.....	5.2	57 32'168	06'10	1	...	3'5506	'0019	+ 14	+19 41 31'47	06'10	1	...	0'215	'518	- 21
879	...	...	B. D. + 11° 1009....	6.0	57 49'892	01'17	3	...	3'3487	'0021	...	+11 40 58'81	01'17	3	...	0'190	'488	...
880	881	...	62 Orionis.....	4.7	57 58'837	06'96	2	...	3'5625	'0019	+ 11	+20 8 27'27	06'96	2	...	0'177	'520	- 3
881	880	393	1 Geminorum.....	4.3	5 58 2'480	03'16	20	...	+ 3'6470	+ '0017	+ 2	+23 16 7'66	02'61	13	...	+ 0'171	- '532	- 109
882	...	...	B. D. + 11° 1022....	8.2*	6 0 7'367	01'51	3	...	3'3377	'0019	...	+11 13 34'87	01'51	3	...	0'010	'487	...
883	887	396	67 Orionis.....	4.4	1 51'711	05'66	8	...	3'4250	'0015	+ 13	+14 46 (50)	...	...	...	0'163	'500	- 25
884	...	...	B. D. + 11° 1032....	7.8*	2 3'419	02'17	1	...	3'3326	'0017	...	+11 1 9'86	02'17	1	...	0'185	'486	...
885	...	...	B. D. + 11° 1038....	8.8*	2 47'902	01'18	1	...	3'3421	'0017	...	+11 24 37'92	01'18	1	...	0'245	'487	...
886	...	...	Mayer 251.....	6.0	6 3 30'760	07'07	1	...	+ 3'6178	+ '0011	+ 21	+22 12 23'03	07'07	1	...	- 0'307	- '528	- 40
887	903	401	70 Orionis.....	4.4	6 15'210	06'45	3	...	3'4112	'0011	+ 14	+14 13 53'41	06'45	3	...	0'547	'498	- 33
888	...	402	Piazzi V. 335....	4.7	7 49'541	04'16	2	...	6'6174	'0102	+ 27	+69 21 19'31	04'34	2	2	0'685	'964	- 114
889	909	405	7 Geminorum.....	var.	8 50'452	03'76	14	...	3'6265	'0005	- 39	+22 32 9'11	03'07	10	...	0'773	'527	- 16
890	911	...	71 Orionis.....	5.2	8 57'785	06'02	1	...	3'5371	+ '0004	- 62	+19 11 25'35	06'02	1	...	0'784	'513	- 195
891	902	406	2 Lynceis.....	4.4	6 10 47'805	07'05	1	...	+ 5'2983	- '0053	+ 11	+59 2 50'11	07'05	1	...	- 0'944	- '772	+ 30
892	919	407	74 Orionis.....	5.1	10 49'695	06'39	4	...	3'3634	+ '0010	+ 61	+12 18 0'73	06'39	4	...	0'947	'491	+ 187
893	...	...	W. B. (2) VI. 352...	6.5	15 35'803	05'80	1	...	3'5007	'0000	+ 6	+17 48 34'32	05'80	1	...	1'363	'509	...
894	933	411	1 Canis Majoris.....	3.1	16 28'503	06'09	4	...	2'3021	+ '0018	- 6	-30 1 7'15	06'08	3	...	1'440	'334	- 24
895	...	...	Radcliffe 1707.....	6.0	16 (50)	...	...	...	6'8548	- '0222	...	+70 35 22'28	06'32	...	6	1'477	'997	...
896	929	412	13 Geminorum.....	3.2	6 16 54'638	03'13	22	...	+ 3'6262	- '0007	+ 47	+22 33 53'78	03'17	17	...	- 1'478	- '528	- 114
897	926	413	46 Aurigæ.....	5.1	17 11'870	03'14	3	...	4'6239	- '0050	+ 29	+49 20 20'63	03'14	3	...	1'503	'672	- 4
898	936	414	2 Canis Majoris.....	2.0	18 17'759	03'12	12	...	2'6419	+ '0016	- 6	-17 54 22'89	03'86	8	...	1'599	'383	+ 4
899	931	415	8 Monocerotis.....	4.5	18 28'132	07'10	3	...	3'1805	+ '0006	- 4	+ 4 38 37'42	07'10	3	...	1'614	'461	+ 9
900	930	417	6 Lynceis.....	6.0	22 5'937	06'12	2	...	5'2209	- '0129	+ 1	+58 14 10'20	06'12	2	...	1'930	'757	- 326

857. The limits of magnitude are 1 and 1.4; period irregular.

889. The limits of magnitude are 3.2 and 4.2; period 231^d.4.

No. in Bradley.	No. in Fundamental Catalogue.	Star's Name.	Magnitude.	Mean R.A., 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "001.
						Above Pole.	Below Pole.						Above Pole.	Below Pole.			
901	948	418	10 Monocerotis.....	5.0	h m s	...	...	...	...	...	...	...	...	...	...	...	...
902	942	419	18 Geminorum.....	4.1	6 23 (1)	...	...	...	...	...	...	...	...	...	...	...	...
903	...	...	B. D. + 72° 322....	7.8	23 1 566	03.43	22	...	...	...	...	...	...	...	...	...	...
904	958	422	13 Monocerotis.....	4.5	24 35.130	04.65	...	...	...	...	...	...	...	...	...	...	...
905	...	...	B. D. + 21° 1287...	8.3*	27 29.790	06.04	9	...	...	...	...	...	...	...	...	...	...
906	...	...	B. D. + 21° 1288...	8.6*	28 21.395	07.14	1	...	...	...	...	...	...	...	...	...	...
907	946	423	8 Lynceis.....	6.1	6 28 28.358	07.14	1	...	...	...	...	...	...	...	...	...	...
908	...	424	Piazzi VI. 75.....	5.6	28 33.115	02.88	7	11	...	...	...	...	...	...	...	...	...
909	972	425	5 Canis Majoris.....	4.5	29 9.988	02.25	2	8	...	...	...	...	...	...	...	...	...
910	963	426	51 Aurigæ.....	5.7	30 51.885	05.58	2	...	...	...	...	...	...	...	...	...	...
911	969	427	24 Geminorum.....	1.9	31 43.799	09.70	2	...	...	...	...	...	...	...	...	...	...
912	...	...	W. B. (2) VI. 900...	6.3	4 31 56.109	04.12	18	...	...	...	...	...	...	...	...	...	...
913	981	430	15 Monocerotis.....	4.7	33 4.355	06.03	1	...	...	...	...	...	...	...	...	...	...
914	983	431	27 Geminorum.....	3.2	35 28.306	05.98	7	...	...	...	...	...	...	...	...	...	...
915	985	432	56 Aurigæ.....	5.3	37 46.798	04.47	12	...	...	...	...	...	...	...	...	...	...
916	989	433	31 Geminorum.....	3.4	39 31.924	06.14	1	...	...	...	...	...	...	...	...	...	...
917	...	...	32 Geminorum.....	6.4	6 39 40.622	03.28	23	...	...	...	...	...	...	...	...	...	...
918	994	434	9 Canis Majoris.....	1.6	40 17.204	00.16	1	...	...	...	...	...	...	...	...	...	...
919	995	435	18 Monocerotis.....	4.7	40 44.572	05.77	9	...	...	...	...	...	...	...	...	...	...
920	980	436	43 Camelopardi.....	5.1	42 38.783	05.89	4	...	...	...	...	...	...	...	...	...	...
921	992	437	58 Aurigæ.....	5.0	42 55.257	03.94	1	11	...	...	...	...	...	...	...	...	...
922	...	...	Lalande F. 2 43-4...	7.9	6 43 41.626	05.78	3	...	...	...	...	...	...	...	...	...	...
923	1004	...	36 Geminorum.....	5.2	45 5.215	04.65	...	...	...	...	...	...	...	...	...	...	...
924	1003	440	34 Geminorum.....	3.6	40 17.204	00.16	1	...	...	...	...	...	...	...	...	...	...
925	...	...	Oeltz. Arg. (N.) 7251	9.0*	45 33.570	06.84	1	...	...	...	...	...	...	...	...	...	...
926	998	444	15 Lynceis.....	4.5	46 11.922	03.79	11	...	...	...	...	...	...	...	...	...	...
927	1009	445	38 Geminorum.....	5.4†	46 53.991	06.18	1	...	...	...	...	...	...	...	...	...	...
928	...	...	38 Geminorum (Comes)	7.7†	6 48 37.199	03.55	3	3	...	...	...	...	...	...	...	...	...
929	1011	446	14 Canis Majoris.....	4.3	49 0.189	07.54	2	...	...	...	...	...	...	...	...	...	...
930	...	...	Groombridge 1228...	5.8	49 0.316	07.08	1	...	...	...	...	...	...	...	...	...	...
931	...	449	Cephei 51.....	5.3	49 32.663	03.07	10	...	...	...	...	...	...	...	...	...	...
932	1023	451	21 Canis Majoris.....	1.6	49 59.774	02.08	...	10	...	...	...	...	...	...	...	...	...
933	1024	454	43 Geminorum.....	var.	6 53 (44)	...	...	...	...	...	...	...	...	...	...	...	...
934	...	...	B. D. + 17° 1488...	9.0*	54 41.765	05.53	3	...	...	...	...	...	...	...	...	...	...
935	...	...	B. D. + 16° 1373...	8.9*	58 10.709	03.42	15	...	...	...	...	...	...	...	...	...	...
936	1028	456	23 Canis Majoris.....	4.1	58 49.432	05.18	3	...	...	...	...	...	...	...	...	...	...
937	...	...	W. B. (2) VI. 1723-4	8.7*	58 49.549	05.17	4	...	...	...	...	...	...	...	...	...	...
938	...	...	Groombridge 1262...	6.5	6 59 14.073	03.19	6	...	...	...	...	...	...	...	...	...	...
939	1030	458	45 Geminorum.....	5.6	6 59 29.038	05.17	4	...	...	...	...	...	...	...	...	...	...
940	1042	460	25 Canis Majoris.....	2.0	7 2 19.341	02.12	1	7	...	...	...	...	...	...	...	...	...
941	1032	461	63 Aurigæ.....	5.1	7 37.767	03.16	29	...	...	...	...	...	...	...	...	...	...
942	...	...	Piazzi VI. 285.....	6.2	2 37.954	06.17	2	...	...	...	...	...	...	...	...	...	...
943	1046	464	51 Geminorum.....	5.3	4 19.483	05.18	3	...	...	...	...	...	...	...	...	...	...
944	...	467	Piazzi VI. 292.....	5.1	7 4 46.665	02.52	5	...	...	...	...	...	...	...	...	...	...
945	1052	468	64 Aurigæ.....	5.8	6 (24)	...	...	...	...	...	...	...	...	...	...	...	...
946	1058	469	54 Geminorum.....	3.7	7 37.767	03.16	29	...	...	...	...	...	...	...	...	...	...
947	1062	471	55 Geminorum.....	3.5	10 3.246	05.47	3	...	...	...	...	...	...	...	...	...	...
948	1056	473	19 Lynceis.....	5.6	11 5.035	07.14	1	...	...	...	...	...	...	...	...	...	...
949	1065	...	56 Geminorum.....	5.2	7 12 20.767	06.13	6	...	...	...	...	...	...	...	...	...	...
950	1072	476	60 Geminorum.....	3.9	14 9.093	02.66	23	...	...	...	...	...	...	...	...	...	...

909. Boss' Proper Motion has been used in Declination.

918. Boss' Proper Motions and orbital corrections have been used. The Catalogue place is that of the bright star, not of the centre of gravity.

933. The limits of magnitude are 3.7 and 4.3; period 10^d.1+.

ALTAZIMUTH CATALOGUE, 1900'0.

No.	No. in Answers' Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A., 1900'0.	Mean Date.	No. of Obs.		Annual Precession, 1900'0.	Secular Variation, 1900'0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900'0.	Mean Date.	No. of Obs.		Annual Precession, 1900'0.	Secular Variation, 1900'0.	Annual Proper Motion in Units of "0001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
951	1081	477	31 Canis Majoris..... η	2.4	h m s 7 20 8.545	07.08	1	...	+ 2.3733	+ .0011	+ 3	-29 6 23.68	07.08	1	...	- 6.868	- .322	+ 7
952	...	478	Piazzi VII. 67.....	5.8	20 28.631	02.34	2	4	6.2860	- .0855	+ 18	+68 40 12.18	01.91	2	9	6.896	.858	- 45
953	...	...	Piazzi VII. 97.....	6.5	20 55.680	08.79	1	...	3.5723	.0080	- 219	+21 44 8.23	08.79	1	...	6.933	.480	- 22
954	1076	...	61 Geminorum.....	5.9	21 2.728	05.71	5	...	3.5400	.0076	- 2	+20 27 26.75	05.71	5	...	6.942	.481	- 23
955	1079	479	3 Canis Minoris..... β	3.1	21 43.684	04.37	11	...	3.2593	.0043	- 32	+ 8 29 27.45	05.38	10	...	6.998	.441	- 47
956	1078	481	62 Geminorum..... ρ	4.2	7 22 40.810	05.87	3	...	+ 3.8532	- .0124	+ 118	+31 59 0.23	05.87	3	...	- 7.076	- .526	+ 184
957	1085	482	6 Canis Minoris.....	4.9	24 13.846	05.90	4	...	3.3423	.0054	- 2	+12 12 48.59	06.34	6	...	7.203	.452	- 20
958	...	...	W. B. (2) VII. 704..	6.4	26 51.007	08.94	1	...	3.6020	.0092	- 11	+23 6 3.05	08.94	1	...	7.416	.484	- 7
959	...	...	66 Geminorum..... α^1	2.9	28 12.866	06.89	10	...	3.8496	.0137	- 135	+32 6 24.23	07.54	7	...	7.528	.513	- 110
960	1087	484	66 Geminorum..... α^2	2.0	28 13.243	03.52	27	...	3.8496	.0137	- 135	+32 6 28.67	03.54	23	...	7.528	.513	- 110
961	...	...	Groombridge 1328...	7.1	7 28 (41)	...	...	...	+ 5.9126	- .0776	+ 11	+66 27 25.63	04.74	...	2	- 7.565	- .796	- 37
962	...	...	B. D. + 17° 1610...	8.0*	28 44.063	06.18	1	...	3.4547	.0071	...	+17 10 15.21	06.18	1	...	7.569	.465	...
963	...	...	B. D. + 17° 1612...	9.5*	29 0.058	06.17	2	...	3.4597	.0074	...	+17 24 39.93	06.17	2	...	7.590	.463	...
964	...	...	B. D. + 17° 1616...	9.5*	29 31.335	06.18	1	...	3.4543	.0071	...	+17 11 59.01	06.18	1	...	7.632	.462	...
965	1094	485	69 Geminorum..... ν	4.2	29 45.640	05.19	4	...	3.7049	.0114	- 16	+27 7 5.43	05.19	4	...	7.652	.496	- 109
966	...	...	B. D. + 17° 1619...	9.1*	7 30 8.369	06.17	2	...	+ 3.4587	- .0074	...	+17 22 8.41	06.17	2	...	- 7.682	- .462	...
967	1102	488	25 Monocerotis.....	5.2	32 18.431	06.63	2	...	2.9888	.0020	- 66	- 3 53 15.90	06.63	2	...	7.858	.396	+ 21
968	1099	489	71 Geminorum..... σ	4.9	32 38.269	05.21	1	...	3.9268	.0161	- 21	+34 48 50.38	05.21	1	...	7.884	.522	- 138
969	1106	492	10 Canis Minoris..... α	0.5	34 4.107	03.32	28	...	3.1899	.0054	- 466	+ 5 28 52.72	02.11	15	...	7.999	.411	- 1030
970	1096	493	24 Lynceis.....	5.0	34 32.852	04.41	2	5	5.1055	.0502	- 42	+58 56 39.88	04.38	2	8	8.038	.677	- 56
971	1107	...	Bradley 1107.....	5.8	7 34 48.344	00.21	1	...	+ 3.1893	- .0042	- 7	+ 5 27 42.05	00.21	1	...	- 8.058	- .422	- 29
972	...	...	W. B. (2) VII. 955.	6.2	34 59.242	08.42	2	...	3.5979	.0101	+ 11	+23 14 58.33	08.42	2	...	8.073	.477	+ 7
973	...	...	B. D. + 23° 1792...	7.8*	36 6.200	08.12	1	...	3.5966	.0103	...	+23 14 43.56	08.12	1	...	8.161	.475	...
974	1110	494	26 Monocerotis..... γ	4.1	36 28.215	04.63	11	...	2.8722	.0012	- 55	- 9 19 3.67	04.49	13	...	8.191	.377	- 27
975	1111	495	77 Geminorum..... κ	3.7	38 24.717	03.04	6	...	3.6296	.0111	- 14	+24 38 16.58	03.21	5	...	8.346	.477	- 60
976	1112	496	78 Geminorum..... β	1.2	7 39 11.863	02.41	29	...	+ 3.7247	- .0128	- 470	+28 16 3.82	02.41	22	...	- 8.409	- .477	- 56
977	...	...	Piazzi VII. 132.....	6.5	39 45.486	05.53	1	3	10.3266	.4255	-1920	+80 30 58.91	05.55	4	4	8.454	1.312	+ 62
978	1115	...	81 Geminorum..... ρ	5.0	40 20.109	05.69	2	...	3.4833	.0088	- 48	+18 45 15.52	05.69	2	...	8.499	.455	- 63
979	...	...	W. B. (2) VII. 1098	7.2	40 (50)	...	...	...	3.8652	.0162	...	+33 15 18.52	08.08	1	...	8.538	.505	...
980	1114	498	80 Geminorum..... π	5.3	41 3.552	06.23	2	...	3.8772	.0165	- 4	+33 39 40.40	06.84	3	...	8.556	.508	- 43
981	1122	499	4 Puppis.....	5.1	7 41 20.645	08.19	2	...	+ 2.7640	- .0004	- 3	-14 19 14.51	08.19	2	...	- 8.579	- .361	- 2
982	1119	...	82 Geminorum.....	6.2	42 34.857	07.89	1	...	3.5934	- .0109	- 10	+23 23 17.98	07.89	1	...	8.676	.468	- 1
983	1132	502	7 Argus..... ξ	3.5	45 5.347	05.17	16	...	2.5235	+ .0008	- 4	-24 36 31.29	05.98	13	...	8.873	.326	...
984	1134	504	9 Puppis.....	5.3	47 8.540	02.81	3	...	2.7830	- .0010	- 41	-13 37 57.30	02.81	3	...	9.034	.357	- 339
985	1128	505	83 Geminorum..... ϕ	5.0	47 22.694	02.11	9	...	3.6806	.0133	- 20	+27 1 29.43	02.09	8	...	9.053	.474	- 27
986	1126	506	26 Lynceis.....	5.7	7 47 25.916	04.65	2	...	+ 4.3884	- .0316	- 22	+47 49 26.91	04.65	2	...	- 9.057	- .566	- 6
987	...	507	Groombridge 1374...	5.6	48 13.689	02.36	2	7	7.2742	.1848	- 23	+74 11 6.40	02.36	3	14	9.119	.940	- 37
988	...	...	Piazzi VII. 187.....	5.3	49 4.507	08.39	1	1	9.6437	.4073	- 115	+79 45 10.67	08.29	2	1	9.185	1.243	- 60
989	1137	...	85 Geminorum.....	5.4	49 49.791	06.74	2	...	3.5074	.0102	- 11	+20 8 54.02	06.74	2	...	9.243	.450	- 43
990	...	...	W. B. (2) VII. 1356	9.3*	50 36.462	07.23	1	...	3.5730	.0115	...	+22 55 20.53	07.23	1	...	9.303	.457	...
991	...	...	Piazzi VII. 261.....	6.2	7 52 49.201	05.13	1	...	+ 3.4277	- .0089	+ 3	+16 47 16.81	05.13	1	...	- 9.475	- .436	+ 4
992	1140	515	2 Caneri..... ω^1	5.9	54 52.864	04.72	11	...	3.6356	.0133	+ 3	+25 40 0.18	05.46	14	...	9.633	.461	- 4
993	...	...	W. B. (2) VII. 1457	6.4	55 2.514	00.90	3	...	3.5905	.0124	- 3	+23 51 28.88	00.90	3	...	9.646	.455	- 47
994	1149	517	6 Caneri.....	5.0	57 22.663	05.39	9	...	3.6937	.0150	- 12	+28 4 28.46	05.05	10	...	9.824	.465	- 53
995	...	518	Groombridge 1119...	7.0	7 58 (3)	...	...	...	65.5286	32.8513	- 467	+88 55 58.90	02.96	39	64	9.875	8.296	+ 16
996	1154	520	27 Lynceis.....	4.9	8 0 56.173	06.58	3	1	+ 4.5394	- .0417	- 32	+51 47 42.09	06.46	4	1	-10.095	- .567	- 3
997	...	...	Lalande 15839.....	8.3*	1 52.533	01.55	3	...	3.5928	.0132	...	+24 18 28.20	01.55	3	...	10.164	.447	...
998	1161	521	10 Caneri..... μ^2	5.4	1 52.830	06.67	6	...	3.5347	.0121	+ 19	+21 52 20.08	06.90	7	...	10.166	.440	- 84
999	...	...	B. D. + 25° 1853...	8.7*	2 5.945	01.24	2	...	3.6093	.0136	...	+25 0 15.96	01.24	2	...	10.182	.449	...
1000	...	...	W. B. (2) VII. 1646	8.1*	2 18.051	00.90	3	...	3.6298	.0141	...	+25 50 34.87	00.90	3	...	10.197	.451	...

959, 960. Boss' Proper Motions and orbital corrections have been used.
 969. Boss' Proper Motions and orbital corrections have been used.
 984. Boss' Proper Motions have been used.

ALTAZIMUTH CATALOGUE, 1900.0.

1001-1300			No. in Answers' Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A., 1900°.	Mean Date.	No. of Obs.		Annual Precession, 1900°.	Secular Variation, 1900°.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900°.	Mean Date.	No. of Obs.		Annual Precession, 1900°.	Secular Variation, 1900°.	Annual Proper Motion in Units of "0001.
		Above Pole.							Below Pole.	Above Pole.						Below Pole.				
1001	1148	522	55	Camelopardi.....	5.5	h m s														
1002	1170	523	15	Argus.....	2.9	8 2 51.912	03.64	...	2	+ 6.0297	- .1199	+ 2	+68 46 (7)	...	...	...	-10.240	- .751	+ 5	
1003	...	...		B. D. + 25° 1864...	8.0*	3 17.138	06.08	3	...	2.5610	+ .0010	- 65	-24 0 57.39	08.94	1	...	10.271	.315	+ 52	
1004	1167	...		14 Cancri.....	5.8	3 40.414	00.23	2	...	3.6280	- .0142	...	+25 51 6.91	00.23	2	...	10.300	.449	...	
1005	1175	526	16	Cancri.....	5.1	4 25.933	02.27	1	...	3.6257	.0147	- 55	+25 48 40.72	02.27	1	...	10.357	.447	- 351	
1006	...	...		16 Cancri (Comes).....	6.0	6 28.682	05.80	5	...	3.4410	.0106	+ 51	+17 56 57.39	05.33	7	...	10.510	.424	- 128	
1007	1147	527		Bradley 1147.....	5.7	8 6 29.156	06.18	2	...	+ 3.4410	- .0106	+ 51	+17 56 54.52	06.18	2	...	-10.510	- .424	- 128	
1008	...	...		Lalande 16053.....	6.4	6 59.144	03.51	1	2	7.6518	.2583	+ 77	+76 3 44.72	03.51	1	2	10.548	.946	- 8	
1009	1179	528	20	Puppis.....	5.1	7 46.241	03.54	3	...	3.5640	.0133	- 17	+23 26 19.76	03.54	3	...	10.606	.436	- 22	
1010	...	...		B. D. + 25° 1880...	8.4*	8 44.223	03.47	4	...	2.7589	.0004	- 9	-15 29 12.52	03.22	4	...	10.678	.336	+ 1	
1011	1160	...		Bradley 1160.....	6.2	8 44.271	01.73	4	...	3.6008	.0142	...	+25 2 16.80	01.73	4	...	10.677	.440	...	
1012	...	...		Lalande 16167.....	8.5*	8 9 39.395	08.08	1	...	+ 6.6986	- .1788	+ 7	+72 43 2.90	08.08	2	...	-10.746	- .820	- 27	
1013	1180	529	17	Cancri.....	3.8	10 49.342	04.08	1	...	3.2648	.0072	...	+ 9 42 (43)	...	...	...	10.831	.398	...	
1014	...	...		W. B. (2) VIII. 211.	6.6	11 5.582	03.25	24	...	3.2603	.0072	- 35	+ 9 29 37.80	03.44	20	...	10.852	.394	- 52	
1015	1181	531	18	Cancri.....	5.2	12 35.791	05.21	2	...	3.3930	.0099	- 9	+15 59 18.67	05.21	2	...	10.962	.409	- 17	
1016	...	...		Piazz VIII. 42.....	5.9	13 59.505	06.20	4	...	3.6535	.0167	- 9	+27 32 30.20	06.20	4	...	11.064	.439	- 385	
1017	1182	...	19	Cancri.....	5.9	8 14 31.080	08.20	2	...	+ 3.5009	- .0126	+ 52	+21 3 47.68	08.20	2	...	-11.102	- .422	- 63	
1018	...	...		W. B. (2) VIII. 252.	7.4	14 35.475	02.26	3	...	3.5756	.0143	- 11	+24 20 16.06	02.25	2	...	11.108	.429	- 28	
1019	...	...		Lalande 16332.....	8.2*	14 41.223	01.23	2	...	3.6066	.0151	...	+25 39 6.86	01.23	2	...	11.114	.433	...	
1020	1183	533	31	Lynx.....	4.4	15 56.958	00.89	3	...	3.5489	.0138	...	+23 16 13.20	00.89	3	...	11.206	.424	...	
1021	...	...		Lalande F. 1288.....	7.1	15 59.504	99.23	1	...	4.1241	.0315	+ 15	+43 30 33.19	99.23	1	...	11.210	.494	- 100	
1022	1185	534	20	Cancri.....	5.9	8 16 58.040	03.23	1	...	+ 8.5300	- .3847	...	+78 33 22.64	03.21	4	...	-11.280	- 1.024	...	
1023	1197	536	30	Monocerotis.....	4.0	17 38.331	03.63	23	...	3.4446	.0114	- 38	+18 39 11.96	03.76	19	...	11.329	.409	- 31	
1024	1193	...	24	Cancri.....	7.1	20 39.826	03.50	7	...	3.0040	.0032	- 39	- 3 34 48.52	03.55	9	...	11.546	.352	- 20	
1025	...	...		Lalande 16554.....	7.8*	20 43.024	01.73	4	...	3.5785	.0152	- 16	+24 51 47.57	01.73	4	...	11.550	.421	- 83	
1026	1186	537	1	Ursæ Majoris.....	3.5	21 31.983	00.90	3	...	3.5458	.0143	...	+23 28 50.95	00.90	3	...	11.608	.417	...	
1027	1200	538	29	Cancri.....	5.9	8 21 57.504	01.41	6	6	+ 5.0397	- .0768	- 160	+61 3 9.47	02.17	6	9	-11.638	- .589	- 112	
1028	...	...		Lalande F. 1321.....	6.3	23 2.592	06.70	6	...	3.3537	.0098	- 17	+14 32 31.06	06.78	7	...	11.716	.392	- 22	
1029	1195	...	2	Ursæ Majoris.....	5.4	25 10.123	08.94	1	...	7.1106	.2465	...	+75 3 53.73	08.94	1	...	11.865	.825	...	
1030	1203	542	31	Cancri.....	5.6	25 (39)	...	...	...	5.4309	.1041	- 86	+65 29 10.65	04.82	...	2	11.900	.630	- 63	
1031	...	543		Groombridge 1450.....	6.1	25 53.671	05.68	2	...	3.4305	.0119	- 39	+18 26 56.50	05.68	2	...	11.917	.396	- 68	
1032	1207	544	33	Cancri.....	5.5	8 26 25.054	07.23	1	...	+ 3.9215	- .0268	- 82	+38 21 34.45	07.23	1	...	-11.954	- .452	- 179	
1033	...	545		Groombridge 1446.....	6.3	26 55.612	03.06	19	...	3.4788	.0132	- 25	+20 46 51.74	02.76	29	...	11.990	.401	- 55	
1034	1202	...	3	Ursæ Majoris.....	5.7	28 35.438	05.13	1	...	6.7822	.2219	- 41	+73 58 45.90	05.13	1	...	12.106	.782	- 118	
1035	...	546		Piazz VIII. 105.....	6.0	30 19.153	03.39	2	1	5.3821	.1043	- 20	+65 21 59.97	03.42	2	1	12.226	.616	+ 85	
1036	...	...		Lalande F. 1338.....	6.9	31 53.178	06.55	1	1	4.4736	.0518	- 23	+53 3 44.09	06.45	1	1	12.334	.508	- 22	
1037	1217	547	4	Hydræ.....	4.2	8 31 58.775	05.22	1	...	+ 6.6327	- .2123	...	+73 31 20.60	05.22	2	...	-12.340	- .771	...	
1038	1221	548	5	Hydræ.....	4.5	32 21.795	03.26	6	...	3.1839	.0066	- 47	+ 6 3 9.50	02.71	11	...	12.367	.359	- 14	
1039	1225	...	41	Cancri.....	6.3	33 31.881	07.07	3	...	3.1400	.0057	- 8	+ 3 41 33.59	07.07	3	...	12.447	.353	- 13	
1040	1227	...		Bradley 1227.....	6.8	34 42.885	07.60	2	...	3.4500	.0131	- 7	+19 53 54.53	07.60	2	...	12.528	.387	- 27	
1041	1230	554	43	Cancri.....	4.7	35 12.209	08.12	1	...	3.4501	.0131	- 20	+19 56 (6)	...	...	...	12.562	.386	- 17	
1042	1236	556	47	Cancri.....	4.2	8 37 30.027	02.71	29	...	+ 3.4861	- .0143	- 71	+21 49 42.02	02.91	26	...	-12.718	- .385	- 43	
1043	...	...		Piazz VIII. 137.....	6.2	39 0.206	06.50	7	...	3.4166	.0128	- 8	+18 31 19.09	06.49	11	...	12.819	.377	- 240	
1044	1239	558	48	Cancri.....	4.2	39 46.124	00.77	...	1	5.4951	.1226	- 4	+67 4 28.73	02.80	...	4	12.870	.609	- 34	
1045	...	...		Groombridge 1463.....	7.5	40 38.817	03.03	5	...	3.6414	.0196	- 6	+29 7 33.75	03.22	4	...	12.929	.400	- 51	
1046	1243	559	11	Hydræ.....	3.5	40 51.098	04.39	2	1	9.1086	.5688	- 72	+80 24 11.75	04.75	4	3	12.943	1.007	- 4	
1047	...	...		W. B. (2) VIII. 988	8.8*	8 41 28.873	03.11	17	...	+ 3.1935	- .0071	- 127	+ 6 47 8.58	01.86	16	...	-12.984	- .346	- 54	
1048	...	...		Mayer 387.....	6.1	42 1.274	00.25	1	...	3.6384	.0196	...	+29 6 46.37	00.25	1	...	13.020	.398	...	
1049	1253	...	53	Cancri.....	6.3	45 3.675	06.58	3	...	3.4222	.0132	- 11	+19 12 18.85	06.58	3	...	13.222	.369	- 1	
1050	1254	565	55	Cancri.....	6.1	46 27.839	05.21	1	...	3.6179	.0195	- 12	+28 38 3.93	05.21	1	...	13.314	.388	- 15	
					6.1	46 38.519	06.17	6	...	3.6193	.0196	- 355	+28 42 46.80	06.88	7	...	13.326	.381	- 238	

ALTAZIMUTH CATALOGUE, 1900'0.

No.	No. in Auwers' Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A., 1900'0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900'0.	Secular Vari- ation, 1900'0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900'0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900'0.	Secular Vari- ation, 1900'0.	Annual Proper Motion in Units of "0001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1051	1246	...	6 Ursæ Majoris.....	5'6	h m s 8 48 3'372	06'76	...	2	+ 5'2005	- '1080	- 39	+64 59 11'41	03'76	...	4	-13'418	- '557	- 85
1052	...	...	57 Cancri (Comes).....	6'4+	48 8'617	08'25	1	...	3'6678	'0216	+ 34	+30 57 29'90	08'25	1	...	13'423	'392	- 21
1053	1255	566	57 Cancri.....	5'9+	48 8'747	05'90	3	...	3'6678	'0216	+ 34	+30 57 28'84	05'90	3	...	13'423	'392	- 21
1054	...	...	Mayer 394.....	var.	49 44'924	06'18	2	...	3'3855	'0124	+ 9	+17 36 42'85	06'18	2	...	13'527	'359	+ 13
1055	1261	567	16 Hydræ.....	3'3	50 6'558	02'68	14	...	3'1815	'0070	- 61	+ 6 19 34'97	02'72	13	...	13'550	'336	+ 7
1056	1260	569	9 Ursæ Majoris.....	3'1	8 52 21'776	02'19	6	1	+ 4'1729	- '0445	- 436	+48 26 4'21	01'10	6	(1)	-13'695	- '429	- 249
1057	1269	571	65 Cancri.....	4'3	53 1'144	03'04	26	...	3'2836	'0098	+ 24	+12 14 42'09	02'85	21	...	13'737	'343	- 42
1058	1268	573	10 Ursæ Majoris.....	4'1	54 8'928	07'08	1	...	3'9502	'0343	- 388	+42 10 44'60	06'18	2	...	13'809	'403	- 258
1059	...	...	Lalande F. 1370.....	6'3	54 32'220	04'02	1	4	13'2730	'1669	+ 100	+84 34 58'67	03'32	4	7	13'834	1'397	+ 19
1060	...	...	B. D. + 15° 1962....	8'7*	56 30'257	06'26	2	...	3'3292	'0112	...	+14 59 29'76	06'26	2	...	13'957	'345	...
1061	...	575	Groombridge 1501....	5'7	8 56 40'919	06'98	1	1	+ 4'4251	- '0605	+ 36	+54 40 42'40	06'63	1	1	-13'969	- '457	- 6
1062	1272	576	12 Ursæ Majoris.....	3'7	56 47'960	03'85	8	3	4'1199	'0434	- 27	+47 33 7'91	02'27	7	(2)	13'976	'424	- 67
1063	...	...	B. D. + 14° 2016....	9'5*	56 50'304	06'25	1	...	3'3114	'0107	...	+14 0 43'60	06'25	1	...	13'978	'339	...
1064	1275	577	69 Cancri.....	5'5	56 53'597	06'67	2	...	3'5158	'0173	- 3	+24 50 47'66	07'19	3	...	13'982	'361	- 2
1065	...	578	Piazzi VIII. 245....	4'7	9 0 10'191	04'74	4	...	3'8330	'0304	- 26	+38 51 7'71	04'74	4	...	14'186	'388	- 42
1066	1284	580	18 Hydræ.....	5'4	9 0 42'592	05'69	2	...	+ 3'1629	- '0068	- 13	+ 5 29 31'23	06'19	4	...	-14'219	- '319	+ 5
1067	1276	582	13 Ursæ Majoris.....	4'9	1 35'753	03'60	3	11	5'3424	'1334	- 3	+67 32 26'25	04'22	3	16	14'274	'541	- 67
1068	1287	583	76 Cancri.....	5'1	2 19'910	02'40	26	...	3'2554	'0094	- 13	+11 4 14'86	02'50	23	...	14'319	'326	- 13
1069	...	...	Lalande 18007.....	8'0*	2 59'036	07'08	1	...	3'3595	'0126	...	+17 6 21'84	07'08	1	...	14'358	'336	...
1070	1289	584	77 Cancri.....	5'2	3 36'645	05'73	4	...	3'4566	'0159	+ 11	+22 27 0'06	05'84	5	...	14'397	'345	+ 2
1071	...	...	Lalande F. 1414.....	8'1	9 3 58'981	04'47	2	2	+ 8'1772	- '5176	...	+79 41 32'51	04'37	4	2	-14'419	- '822	...
1072	...	...	Groombridge 1517....	5'9	5 50'324	02'36	...	3	6'1529	'2235	- 175	+73 21 35'53	02'92	2	5	14'532	'608	- 66
1073	1295	587	36 Lynceis.....	5'3	7 15'909	06'77	2	...	3'9442	'0376	- 18	+43 36 48'38	06'77	2	...	14'618	'387	- 33
1074	1299	...	Bradley 1299.....	6'1	7 54'645	08'20	2	...	3'4351	'0155	- 7	+21 41 43'99	08'20	2	...	14'656	'335	- 13
1075	1303	589	22 Hydræ.....	3'8	9 9'756	01'96	13	...	3'1157	'0060	+ 88	+ 2 44 10'55	02'46	12	...	14'730	'304	- 312
1076	...	...	W. B. IX. 127.....	8'5*	9 9 15'241	05'59	5	...	+ 3'2640	- '0099	...	+11 54 38'16	05'59	5	...	-14'735	- '319	...
1077	1304	...	82 Cancri.....	5'6	9 42'693	05'23	3	...	3'3206	'0117	- 22	+15 21 23'24	05'23	3	...	14'763	'321	- 8
1078	...	...	Mayer 411.....	6'3	12 25'877	05'52	6	...	3'2607	'0100	+ 46	+11 55 11'91	05'52	6	...	14'923	'312	- 7
1079	...	...	W. B. (2) IX. 198...	8'5*	12 35'369	07'27	1	...	3'3648	'0135	...	+18 9 (0)	...	...	...	14'932	'318	...
1080	1305	592	38 Lynceis.....	3'8	12 37'312	07'50	4	...	3'7497	'0294	- 15	+37 13 33'18	07'64	5	...	14'934	'358	- 133
1081	1309	593	83 Cancri.....	6'6	9 13 24'074	03'18	22	...	+ 3'3632	- '0135	- 76	+18 7 45'60	03'75	14	...	-14'980	- '318	- 137
1082	1312	595	40 Lynceis.....	3'3	14 57'839	04'45	6	...	3'6853	- '0265	- 178	+34 48 55'69	04'45	6	...	15'070	'344	+ 12
1083	...	596	Mali.....	4'9	17 4'023	07'08	1	...	2'6556	+ '0034	- 48	-25 32 23'77	07'08	1	...	15'190	'245	- 32
1084	...	...	B. D. + 3° 2204....	8'2*	21 16'558	06'22	2	...	3'1164	- '0058	...	+ 2 56 20'10	06'21	3	...	15'428	'286	...
1085	1330	599	30 Hydræ.....	2'2	22 40'410	03'09	15	...	2'9499	'0013	- 10	- 8 13 30'36	03'70	16	...	15'506	'266	+ 33
1086	...	600	Piazzi IX. 37.....	4'6	9 22 51'177	05'88	1	3	+ 8'9222	- '7755	- 58	+81 46 7'07	04'27	3	7	-15'516	- '816	- 27
1087	1323	601	23 Ursæ Majoris.....	3'8	23 38'977	05'49	2	8	4'7624	'1033	+ 183	+63 29 57'14	05'52	2	10	15'560	'435	+ 24
1088	1324	603	24 Ursæ Majoris.....	4'6	25 38'753	03'23	1	5	5'3966	'1680	- 112	+70 16 11'98	03'44	1	6	15'670	'482	+ 71
1089	1332	604	25 Ursæ Majoris.....	3'3	26 10'235	07'11	3	4	4'1413	'0550	- 1027	+52 7 59'47	05'95	3	5	15'698	'351	- 544
1090	1338	605	5 Leonis.....	5'1	26 33'427	02'58	12	...	3'2448	'0100	- 63	+11 44 33'50	01'74	12	...	15'719	'286	- 84
1091	1340	607	10 Leonis Minoris.....	4'6	9 28 5'914	02'24	2	...	+ 3'6885	- '0295	+ 11	+36 50 30'28	02'24	2	...	-15'803	- '324	- 21
1092	1344	610	33 Hydræ.....	5'7	29 33'339	06'22	1	...	2'9943	'0023	+ 9	- 5 28 6'70	06'22	1	...	15'881	'260	- 44
1093	...	...	Mayer 423.....	6'7	29 34'126	05'21	1	...	3'2621	'0107	- 12	+13 5 59'95	05'21	1	...	15'881	'283	- 13
1094	1347	...	8 Leonis.....	5'9	31 31'629	07'50	3	...	3'3172	'0129	- 6	+16 53 9'32	07'44	4	...	15'985	'285	- 15
1095	1349	613	10 Leonis.....	5'1	31 55'917	06'25	5	...	3'1752	'0077	- 51	+ 7 17 3'25	06'25	5	...	16'007	'271	- 8
1096	1352	615	2 Sextantis.....	4'8	9 33 14'356	07'27	1	...	+ 3'1436	- '0066	- 113	+ 5 6 3'65	06'54	3	...	-16'075	- '265	- 51
1097	...	616	Groombridge 1564....	5'7	33 41'513	08'72	...	2	5'2244	'1607	- 159	+69 41 33'51	08'72	...	2	16'099	'444	- 83
1098	...	...	Piazzi IX. 112.....	6'4	34 10'873	04'17	1	...	7'0072	'4302	- 77	+78 35 26'03	04'17	2	...	16'124	'600	+ 11
1099	1356	617	35 Hydræ.....	4'1	34 44'974	06'30	2	...	3'0628	- '0041	+ 34	- 0 41 19'80	06'30	2	...	16'154	'258	- 70
1100	1362	618	38 Hydræ.....	5'0	35 30'799	03'71	2	...	2'8777	+ '0009	- 49	-13 52 43'38	03'71	2	...	16'193	'240	- 2

1054. The limits of magnitude are 6'2 and 6'6.

ALTAZIMUTH CATALOGUE, 1900.0.

33

No. in Answers Bradley.	No. in Newcomb's Fundamental Catalogue.	Star's Name.	Magnitude.	Mean R.A., 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "001.		
						Above Pole.	Below Pole.						Above Pole.	Below Pole.					
1755.	1900.																		
1101	1360	619	14 Leonis.....	3.8	h m s	9 35 48.79	02.46	33	...	+ 3.2159	-.0092	- 96	+10 20 50.33	02.45	25	...	-16.209	-.267	- 33
1102	1366	621	16 Leonis.....	5.6	38 17.232	06.90	1 1/2	...	+	3.2724	.0115	- 2	+14 28 45.36	06.42	5	...	16.335	.270	- 9
1103	...	...	Lalande 19096.....	6.5	38 56.376	08.20	1	...	+	3.3429	.0145	+ 20	+19 19 25.48	08.20	1	...	16.368	.275	- 77
1104	1368	623	17 Leonis.....	3.1	40 10.577	02.52	32	...	+	3.4170	.0179	- 34	+24 14 5.28	03.23	28	...	16.430	.278	- 22
1105	1371	626	29 Ursæ Majoris.....	3.9	43 52.824	04.51	9	9	+	4.3425	.0809	- 383	+59 30 32.97	04.26	10	11	16.614	.341	- 158
1106	1385	629	6 Sextantis.....	6.0	9 46 11.694	06.22	2	...	+	3.0237	-.0025	+ 11	- 3 46 28.34	04.22	4	...	-16.726	-.236	- 28
1107	1384	630	24 Leonis.....	4.1	47 4.678	03.79	31	...	+	3.4372	.0196	- 171	+26 28 40.48	03.38	28	...	16.769	.265	- 55
1108	...	632	Piazzi IX. 187.....	6.0	49 26.979	04.22	8	7	+	5.4832	.2206	- 197	+73 21 18.50	05.05	8	13	16.881	.421	- 60
1109	1393	633	Bradley 1393.....	5.9	51 7.947	07.25	2	...	+	3.1904	.0085	- 75	+ 9 24 25.90	07.25	2	...	16.960	.239	+ 17
1110	1392	634	19 Leonis Minoris.....	5.2	51 33.691	08.20	1	...	+	3.7015	.0356	- 112	+41 31 52.96	08.20	1	...	16.980	.278	- 22
1111	1395	635	27 Leonis.....	5.2	9 52 50.731	06.03	6	...	+	3.2339	-.0105	- 28	+12 55 18.73	05.92	7	...	-17.040	-.242	- 27
1112	1398	638	29 Leonis.....	4.9	9 54 55.798	02.63	21	...	+	3.1763	-.0080	- 29	+ 8 31 26.53	03.25	19	...	17.135	.233	- 27
1113	1402	640	40 Hydræ.....	4.7	10 0 15.295	04.13	8	...	+	2.9235	+.0015	- 18	-12 34 46.20	04.15	9	...	17.372	.205	+ 15
1114	1403	641	30 Leonis.....	3.6	1 52.918	07.73	4	...	+	3.2769	-.0129	- 22	+17 15 1.19	07.83	5	...	17.443	.228	- 4
1115	1406	642	32 Leonis.....	1.3	3 2.851	02.76	27	...	+	3.2165	-.0100	- 169	+12 27 21.68	03.90	24	...	17.493	.219	- 2
1116	1412	644	41 Hydræ.....	3.8	10 5 42.744	03.91	3	...	+	2.9381	+.0014	- 137	-11 51 35.21	03.76	4	...	-17.606	-.195	- 88
1117	...	...	Lalande F. 1647.....	6.5	9 (38)	...	...	...	+	5.1724	-.2153	- 140	+73 34 24.18	06.18	2	...	17.766	.338	- 100
1118	1415	646	32 Ursæ Majoris.....	5.7	10 46.494	04.90	1	3	+	4.4243	.1135	- 140	+65 36 26.37	04.61	1	6	17.813	.286	- 13
1119	1421	647	33 Ursæ Majoris.....	3.5	11 4.045	01.82	4	...	+	3.6510	.0381	- 142	+43 24 49.74	01.82	4	...	17.825	.234	- 38
1120	1425	648	36 Leonis.....	3.6	11 7.789	06.26	3	...	+	3.3434	.0174	+ 14	+23 53 55.90	06.26	3	...	17.827	.216	- 9
1121	1426	...	37 Leonis.....	5.7	10 11 18.770	06.88	3	...	+	3.2271	-.0109	- 13	+14 13 36.64	06.88	3	...	-17.835	-.207	- 14
1122	1428	650	22 Sextantis.....	5.4	12 39.717	01.30	5	...	+	2.9922	.0000	- 106	- 7 34 9.56	01.30	5	...	17.888	.188	+ 4
1123	1432	653	41 Leonis.....	2.6	14 27.628	03.35	21	...	+	3.2926	.0150	+ 212	+20 20 50.95	02.88	16	...	17.959	.208	- 152
1124	...	...	41 Leonis.....	3.8	14 27.996	06.17	2	...	+	3.2926	.0150	+ 212	+20 20 49.35	06.17	2	...	17.959	.208	- 152
1125	1399	654	Bradley 1399.....	5.6	15 9.262	04.63	...	7	+	9.5091	1.5078	- 930	+84 45 37.16	03.41	8	14	17.985	.592	- 49
1126	1434	657	34 Ursæ Majoris.....	3.2	10 16 22.437	02.24	7	...	+	3.5981	-.0358	- 69	+42 0 8.60	01.91	6	...	-18.032	-.221	+ 27
1127	1436	...	42 Leonis.....	6.1	16 27.758	07.60	2	...	+	3.2339	.0115	- 17	+15 28 47.95	07.60	2	...	18.036	.198	- 27
1128	1429	658	Bradley 1429.....	4.9	16 55.484	05.44	4	8	+	4.3817	.1160	- 24	+66 4 19.35	05.03	4	13	18.054	.270	- 18
1129	...	659	Piazzi X. 22.....	5.3	18 54.847	07.41	1	3	+	7.7647	.8984	- 468	+83 4 2.46	06.90	5	3	18.128	.470	+ 8
1130	...	...	44 Leonis.....	5.9	19 58.968	05.21	1	...	+	3.1648	-.0079	+ 18	+ 9 17 35.07	05.21	1	...	18.168	.187	- 41
1131	1451	661	42 Hydræ.....	4.1	10 21 15.238	03.52	22	...	+	2.9088	+.0040	- 89	-16 19 32.01	03.10	20	...	-18.215	-.168	- 79
1132	1448	662	31 Leonis Minoris.....	4.4	22 6.146	03.78	4	...	+	3.4929	-.0295	- 94	+37 13 11.24	03.78	4	...	18.246	.202	- 113
1133	1454	666	36 Ursæ Majoris.....	4.8	24 13.751	01.90	2	5	+	3.8915	.0660	- 209	+56 29 36.79	01.57	2	5	18.322	.220	- 39
1134	1446	668	Bradley 1446.....	5.0	26 36.156	04.36	4	10	+	5.2335	.2725	- 84	+76 13 41.32	04.35	5	18	18.405	.294	- 10
1135	1467	669	47 Leonis.....	3.9	27 32.787	03.46	27	...	+	3.1632	.0079	- 4	+ 9 49 16.55	03.36	25	...	18.438	.173	- 3
1136	1464	671	37 Ursæ Majoris.....	5.2	10 28 43.380	06.73	1	...	+	3.8890	-.0698	+ 86	+57 35 50.77	06.73	1	...	-18.478	-.213	+ 37
1137	1468	673	48 Leonis.....	5.2	29 35.061	06.76	2	...	+	3.1397	.0065	- 72	+ 7 28 7.34	06.76	2	...	18.507	.167	+ 46
1138	...	678	Piazzi X. 126.....	5.2	35 54.802	08.08	3	2	+	4.3614	.1411	+ 15	+69 35 57.76	08.02	4	2	18.713	.220	- 34
1139	1482	679	33 Sextantis.....	6.4	36 19.010	04.12	6	...	+	3.0622	.0019	- 100	- 1 12 57.32	04.15	7	...	18.725	.150	- 111
1140	1484	682	34 Sextantis.....	6.6	37 27.691	02.46	19	...	+	3.1062	.0045	- 59	+ 4 6 20.25	01.97	15	...	18.761	.151	+ 28
1141	1485	683	41 Leonis Minoris.....	5.1	10 37 58.776	06.32	2	...	+	3.2780	-.0164	- 84	+23 42 43.37	04.71	5	...	-18.777	-.159	+ 9
1142	...	...	Lalande F. 1728.....	7.2	38 (23)	...	...	...	+	4.5787	.1825	...	+72 48 45.85	04.24	2	...	18.788	.225	...
1143	1490	685	42 Leonis Minoris.....	5.4	40 18.363	05.45	6	...	+	3.3483	.0225	- 24	+31 12 32.28	05.43	7	...	18.847	.158	- 41
1144	1493	686	37 Sextantis.....	6.3	40 53.365	03.30	4	...	+	3.1271	.0058	- 11	+ 6 54 0.82	02.75	9	...	18.864	.146	- 40
1145	1495	...	38 Sextantis.....	8.2*	42 7.137	07.22	1	...	+	3.1260	.0058	- 38	+ 6 52 25.56	07.22	1	...	18.901	.144	- 20
1146	1500	689	53 Leonis.....	5.3	10 44 0.125	02.84	21	...	+	3.1575	-.0080	+ 1	+11 4 28.09	03.54	17	...	-18.955	-.142	- 33
1147	1504	690	Hydræ.....	3.3	44 41.453	05.26	6	...	+	2.9513	+.0054	+ 61	-15 40 13.06	05.03	8	...	18.974	.131	+ 211
1148	1509	692	46 Leonis Minoris.....	3.9	47 43.247	06.83	2	...	+	3.3600	-.0257	+ 74	+34 45 14.41	06.83	2	...	19.058	.145	- 283
1149	1515	694	54 Leonis.....	4.5	50 12.039	07.98	3	...	+	3.2616	.0170	- 61	+25 16 58.82	07.98	3	...	19.124	.134	- 18
1150	1508	695	Bradley 1508.....	6.3	51 57.858	04.99	3	6	+	4.9611	.3081	- 266	+78 18 21.19	04.96	3	10	19.170	.201	- 35

ALTAZIMUTH CATALOGUE, 1900'0.

No.	No. in Anwers' Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A., 1900'0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900'0.	Secular Vari- ation, 1900'0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900'0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900'0.	Secular Vari- ation, 1900'0.	Annual Proper Motion in Units of "001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1151	1522	697	47 Ursae Majoris	5'1	h m s 10 53 52'159	06'98	3	...	+ 3'4025	- '0315	- 274	+40 57 51'70	06'98	3	...	-19'218	- '131	+ 61
1152	...	...	B. D. + 57° 1301 ...	9'0*	54 18'708	02'85	...	1	3'6539	- '0634	...	+56 59 15'53	02'85	...	1	19'228	'146	...
1153	1525	698	7 Crateris	4'2	54 54'130	03'46	6	...	2'9523	+ '0067	- 327	-17 45 59'03	03'45	7	...	19'244	'110	+ 108
1154	1526	699	58 Leonis	5'1	55 23'802	02'56	17	...	3'0993	- '0038	+ 4	+ 4 9 15'91	02'96	16	...	19'256	'118	- 22
1155	1523	701	48 Ursae Majoris	2'4	55 48'464	02'02	4	6	3'6395	'0624	+ 105	+56 55 6'95	01'66	4	6	19'266	'139	+ 26
1156	1528	702	50 Ursae Majoris	2'0	10 57 33'509	01'82	2	8	+ 3'7571	- '0804	- 165	+62 17 27'30	01'47	2	11	-19'307	- '138	- 71
1157	...	...	Piazzi X. 231	6'7	59 18'334	08'13	1	...	3'1544	'0085	- 120	+13 12 19'64	08'13	1	...	19'348	'111	+ 99
1158	1535	703	63 Leonis	4'7	10 59 51'551	02'92	11	...	3'1203	'0055	- 234	+ 7 52 36'28	03'29	15	...	19'361	'108	- 41
1159	1539	706	65 Leonis	5'7	11 1 48'191	05'27	3	...	3'0870	'0026	- 253	+ 2 29 54'17	04'77	4	...	19'404	'103	- 80
1160	1542	708	52 Ursae Majoris	3'2	4 2'557	02'51	7	1	3'3959	'0364	- 53	+45 2 28'14	02'32	8	(1)	19'452	'111	- 33
1161	1546	712	68 Leonis	2'6	11 8 47'453	02'43	26	...	+ 3'1864	- '0132	+ 108	+21 4 18'11	03'00	22	...	-19'548	- '095	- 141
1162	...	...	Piazzi XI. 12	5'9	8 50'099	07'16	5	...	3'1171	'0056	+ 32	+ 8 36 29'09	07'15	4	...	19'549	'093	- 125
1163	1548	713	70 Leonis	3'4	8 59'660	07'30	1	...	3'1568	- '0098	- 49	+15 58 35'43	07'30	1	...	19'552	'093	- 85
1164	1551	716	74 Leonis	4'6	11 34'711	06'26	1	...	3'0571	+ '0008	- 72	- 3 6 17'00	06'26	1	...	19'601	'085	- 37
1165	1553	717	53 Ursae Maj. (asone mass)	4'4	12 50'963	00'33	2	...	3'2436	- '0210	- 335	+32 5 32'24	00'33	2	...	19'624	'086	- 594
1166	1554	718	54 Ursae Majoris	3'7	11 13 4'713	02'95	3	...	+ 3'2531	- '0225	- 18	+33 38 23'68	02'95	3	...	-19'628	- '088	+ 26
1167	1557	719	12 Crateris	3'8	14 20'450	02'51	14	...	3'0052	+ '0065	- 88	-14 14 13'59	02'36	14	...	19'650	'078	+ 195
1168	1558	720	77 Leonis	4'1	15 58'864	06'10	5	...	3'1018	- '0040	- 62	+ 6 34 38'68	06'62	7	...	19'678	'078	- 13
1169	...	722	Piazzi XI. 43	6'0	16 54'972	02'40	...	8	3'6050	'0849	- 12	+64 52 40'51	02'70	...	12	19'694	'090	+ 30
1170	1560	723	78 Leonis	4'0	18 42'724	07'31	3	...	3'1192	'0064	+ 103	+11 4 48'65	07'31	3	...	19'722	'074	- 83
1171	1570	727	84 Leonis	5'2	11 22 47'697	03'08	13	...	+ 3'0852	- '0020	+ 8	+ 3 24 25'15	02'84	4	...	-19'783	- '064	- 17
1172	1572	730	1 Draconis	4'1	25 28'362	04'87	...	1	3'6200	'1093	- 73	+69 53 0'21	04'87	...	1	19'820	'071	- 21
1173	...	...	Groombridge 1797 ...	5'5	26 41'018	05'34	1	...	3'4309	'0677	- 5	+61 38 11'34	05'34	1	...	19'835	'064	- 79
1174	...	...	B. D. + 56° 1523 ...	7'7*	26 49'202	05'22	1	...	3'3650	- '0543	...	+56 38 41'54	05'22	1	...	19'836	'066	...
1175	1586	734	91 Leonis	4'5	31 49'749	02'77	11	...	3'0716	+ '0004	- 1	- 0 16 18'30	03'17	16	...	19'896	'046	+ 39
1176	1595	737	3 Draconis	5'5	11 36 53'846	04'50	4	5	+ 3'3938	- '0850	- 80	+67 17 54'26	04'28	4	4	-19'945	- '041	+ 35
1177	1598	738	27 Crateris	4'9	39 41'630	03'33	7	...	3'0344	+ '0101	+ 18	-17 47 40'89	04'67	6	...	19'969	'031	- 41
1178	1601	739	3 Virginis	4'2	40 43'211	06'75	6	...	3'0863	- '0030	- 15	+ 7 5 23'44	06'81	8	...	19'976	'029	- 186
1179	1600	740	63 Ursae Majoris	3'9	40 46'334	01'62	1	1	3'1982	'0352	- 129	+48 20 1'57	00'37	1	(1)	19'976	'030	+ 20
1180	1602	...	4 Virginis	5'2	42 46'698	08'13	1	...	3'0879	'0038	- 38	+ 8 48 3'44	08'13	1	...	19'990	'025	+ 4
1181	1605	744	94 Leonis	2'2	11 43 57'568	04'37	17	...	+ 3'0976	- '0071	- 341	+15 7 52'10	04'25	9	...	-19'998	- '022	- 118
1182	1606	745	5 Virginis	3'8	45 29'200	03'15	23	...	3'0758	'0001	+ 494	+ 2 19 41'99	01'92	23	...	20'007	'021	- 275
1183	...	...	Oeltz Arg. (N.) 12134	8'7*	47 7'116	04'34	3	...	3'1769	'0439	...	+54 20 26'89	04'34	3	...	20'014	'020	...
1184	...	747	Groombridge 1830 ...	6'5	47 12'979	05'79	4	...	3'1315	'0309	+3408	+38 26 9'94	05'79	4	...	20'016	'029	-5782
1185	1608	748	64 Ursae Majoris	2'5	48 34'353	06'09	4	8	3'1649	'0431	+ 116	+54 15 2'93	06'05	4	8	20'022	'015	+ 4
1186	1613	749	95 Leonis	5'5	11 50 32'016	06'58	3	...	+ 3'0884	- '0074	+ 10	+16 12 12'00	06'33	2	...	-20'030	- '010	+ 3
1187	1617	752	7 Virginis	5'2	54 49'617	02'31	18	...	3'0746	'0006	- 9	+ 4 12 44'13	02'37	17	...	20'042	- '002	- 12
1188	1618	753	8 Virginis	4'6	11 55 44'953	06'31	4	...	3'0755	'0022	- 9	+ 7 10 18'66	06'04	9	...	20'043	'000	- 32
1189	1623	758	9 Virginis	4'2	12 0 6'935	04'21	15	...	3'0722	'0030	- 148	+ 9 17 18'76	05'44	14	...	20'047	'009	+ 32
1190	...	759	Groombridge 1852 ...	6'0	0 10'627	08'55	2	2	3'0678	- '1357	+ 418	+77 27 53'61	08'55	2	2	20'047	'009	- 94
1191	1625	...	10 Virginis	6'1	12 4 33'848	06'34	1	...	+ 3'0712	+ '0008	+ 34	+ 2 27 33'53	06'34	1	...	-20'043	+ '017	- 181
1192	1627	...	11 Virginis	5'7	4 57'638	08'28	1	...	3'0691	- '0012	- 101	+ 6 21 47'12	08'28	1	...	20'042	'018	+ 26
1193	1626	762	2 Corvi	3'2	4 58'825	04'32	5	...	3'0841	+ '0143	- 51	-22 3 49'21	05'57	7	...	20'042	'018	+ 3
1194	1634	763	Bradley 1634	5'1	7 31'116	04'81	4	3	2'8630	- '1210	+ 26	+78 10 18'88	03'67	6	10	20'036	'022	+ 19
1195	1637	766	69 Ursae Majoris	3'4	10 28'706	04'65	2	2	2'9761	- '0420	+ 150	+57 35 17'30	03'63	3	2	20'026	'029	+ 5
1196	1638	767	4 Corvi	2'8	12 10 39'779	06'34	1	...	+ 3'0913	+ '0116	- 114	-16 59 13'32	04'97	3	...	-20'025	+ '029	+ 17
1197	...	...	Groombridge 1865 ...	6'6	10 59'650	08'56	2	2	2'8615	- '0821	- 40	+73 6 27'50	08'51	2	2	20'023	'029	- 38
1198	1643	...	13 Virginis	5'9	13 32'728	00'34	2	...	3'0727	+ '0028	+ 19	- 0 13 52'72	00'34	2	...	20'012	'035	- 21
1199	1672	772	Bradley 1672	6'3	14 (23)	...	...	...	0'3219	+ '8191	- 751	+88 15 14'94	03'42	28	39	20'007	'010	+ 58
1200	1647	773	15 Virginis	4'0	14 47'366	02'43	13	...	3'0725	+ '0028	- 36	- 0 6 39'86	01'57	14	...	20'005	'037	- 27

13360AMM p.	No. in Auwers' Bradley.		Star's Name.	Magnitude.	Mean R.A., 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "001.	
	1755.	1900.					Above Pole.	Below Pole.						Above Pole.	Below Pole.				
1201	1652	...	16 Virginis	5.1	h m s 12 15 16.302	07.73	2	...	+ 3.0663	+ .0008	- 198	+ 3 52 8.95	07.73	2	...	-20.002	+ .038	- 72	
1202	...	...	W. B. XII. 279	8.8*	20 10.871	00.74	5	...	3.0734	+ .0033	...	- 0 30 55.72	00.73	5	...	19.968	.048	...	
1203	1664	779	6 Canum Venaticum ..	5.2	20 55.368	05.94	3	...	2.9716	- .0198	- 76	+39 34 24.19	05.94	3	...	19.963	.048	- 26	
1204	1665	781	14 Comæ	5.2	21 24.057	06.38	2	...	3.0066	- .0119	- 24	+27 49 19.75	07.37	4	...	19.960	.049	- 15	
1205	...	...	Lalande 23271	7.7*	21 38.863	00.94	5	...	3.0715	+ .0029	...	+ 0 22 14.12	00.93	5	...	19.957	.051	...	
1206	...	...	Piazzi XII. 98	7.7*	12 24 1.947	01.32	5	...	+ 3.0769	+ .0042	- 32	- 1 52 34.13	01.31	5	...	-19.937	+ .055	- 9	
1207	...	...	W. B. XII. 363	8.7*	24 15.373	01.12	5	...	3.0740	.0036	...	- 0 40 47.30	01.12	5	...	19.934	.056	...	
1208	1675	786	7 Corvi	3.1	24 41.351	04.52	13	...	3.1134	+ .0119	- 140	-15 57 30.80	04.36	16	...	19.931	.057	- 149	
1209	1676	787	20 Comæ	5.7	24 41.805	06.31	2	...	3.0159	- .0080	+ 36	+21 26 58.60	05.99	3	...	19.931	.056	- 36	
1210	1678	788	74 Ursæ Majoris	5.4	25 17.254	06.34	1	3	2.8278	.0379	- 74	+58 57 21.85	06.69	1	3	19.925	.054	+ 89	
1211	...	...	Lalande F. 2088	7.0	12 26 37.455	04.34	1	...	+ 2.6000	- .0590	...	+71 51 9.28	04.34	1	...	-19.911	+ .053	...	
1212	...	...	W. B. XII. 420	8.0*	27 52.144	01.32	5	...	3.0715	+ .0033	...	+ 0 16 38.36	01.32	5	...	19.898	.063	...	
1213	1686	791	8 Canum Venaticum ..	4.3	28 59.698	06.34	1	...	2.9210	- .0194	- 618	+41 54 4.23	06.34	1	...	19.887	.060	+ 279	
1214	1685	792	9 Corvi	2.8	29 8.000	04.61	6	...	3.1437	+ .0165	- 8	-22 50 36.84	04.10	9	...	19.885	.067	- 61	
1215	1689	793	5 Draconis	3.9	29 12.931	02.60	2	10	2.5968	- .0529	- 113	+70 20 22.05	02.49	2	11	19.884	.056	+ 10	
1216	...	...	Mayer 531	7.1	12 29 15.697	00.52	5	...	+ 3.0749	+ .0039	- 9	- 0 51 23.20	00.52	5	...	-19.884	+ .066	- 21	
1217	...	794	23 Comæ	4.8	29 52.122	08.29	1	...	2.9980	- .0085	- 40	+23 10 47.97	07.84	4	...	19.877	.065	+ 18	
1218	1688	795	24 Comæ	5.2	30 (7)	...	...	...	3.0123	- .0062	- 7	+18 55 38.15	08.37	1	...	19.874	.066	+ 13	
1219	1690	797	25 Virginis	5.9	31 38.276	06.18	6	...	3.0893	+ .0064	- 21	- 5 16 51.34	06.34	5	...	19.856	.070	- 27	
1220	...	...	Lalande 23581	7.0	31 57.736	00.93	5	...	3.0781	.0046	+ 94	- 1 46 2.48	00.93	5	...	19.852	.071	- 132	
1221	...	...	Piazzi XII. 142	6.0	12 33 16.379	07.47	4	...	+ 3.0642	+ .0025	- 42	+ 2 24 18.45	07.47	4	...	-19.836	+ .073	- 21	
1222	1696	798	9 Canum Venaticum ..	6.3	33 57.558	06.35	2	...	2.8982	- .0193	- 6	+41 25 29.72	06.35	2	...	19.827	.071	- 18	
1223	1694	799	26 Virginis	4.8	34 5.061	06.98	3	...	3.0982	+ .0077	- 56	- 7 26 43.00	06.98	3	...	19.826	.075	- 31	
1224	1699	801	29 Virginis	3.7	36 35.401	05.39	6	...	3.0757	.0044	- 365	- 0 54 1.19	05.67	9	...	19.792	.078	+ 4	
1225	...	...	29 Virginis (as on mass) ..	3.7	36 35.536	08.28	1	...	3.0757	.0044	- 365	- 0 54 3.44	08.28	1	...	19.792	.078	+ 4	
1226	...	...	29 Virginis	3.7	12 36 35.679	06.00	5	...	+ 3.0757	+ .0044	- 365	- 0 54 6.12	05.67	9	...	-19.792	+ .078	+ 4	
1227	1701	802	30 Virginis	5.0	36 49.393	02.75	14	...	3.0316	- .0015	+ 59	+10 47 12.08	03.29	11	...	19.789	.079	- 107	
1228	1703	803	76 Ursæ Majoris	5.9	37 11.771	04.18	1	4	2.6437	- .0378	- 65	+63 15 43.64	04.21	1	6	19.783	.070	- 18	
1229	...	...	Piazzi XII. 170	6.7	39 3.255	00.34	9	...	3.0814	+ .0052	- 42	- 2 17 40.17	00.44	10	...	19.757	.084	- 7	
1230	1704	807	32 Virginis	5.2	40 33.890	06.30	3	...	3.0384	.0000	- 78	+ 8 13 13.70	06.30	3	...	19.734	.086	- 15	
1231	...	...	B. D. + 80° 395	7.7	12 42 19.260	08.58	2	2	+ 1.6106	- .0034	...	+80 28 14.82	08.58	2	2	-19.705	+ .052	...	
1232	1708	809	35 Virginis	6.7	42 45.886	03.59	13	...	3.0545	+ .0022	- 4	+ 4 7 7.58	03.58	15	...	19.699	.091	- 12	
1233	1711	...	30 Comæ	5.8	44 25.119	02.35	1	...	2.9349	- .0098	- 71	+28 5 (48)	...	...	...	19.672	.090	+ 11	
1234	1714	...	37 Virginis	6.1	46 31.461	00.67	9	...	3.0554	+ .0026	- 25	+ 3 36 1.57	00.67	9	...	19.635	.098	+ 21	
1235	1715	812	31 Comæ	5.1	46 49.714	04.82	11	...	2.9276	- .0096	- 23	+28 5 5.45	04.55	10	...	19.630	.095	- 24	
1236	1718	...	38 Virginis	6.2	12 48 3.850	05.30	1	...	+ 3.0870	+ .0060	- 173	- 3 0 34.70	05.30	1	...	-19.608	+ .101	- 4	
1237	1730	...	Bradley 1730	5.8	48 15.674	05.39	1	6	0.4304	.2038	- 168	+83 57 41.74	05.39	8	8	19.603	.021	+ 18	
1238	1731	814	Bradley 1731	5.3	48 23.128	04.22	2	4	0.4270	.2077	- 187	+83 57 23.24	05.27	9	8	19.602	.020	+ 16	
1239	1721	815	40 Virginis	4.9	49 9.092	07.24	1	...	3.1174	+ .0093	- 24	- 8 59 46.11	07.24	1	...	19.588	.105	- 28	
1240	1722	816	77 Ursæ Majoris	1.7	49 37.788	05.37	...	2	2.6385	- .0272	+ 138	+56 30 10.53	05.37	...	2	...	19.579	.092	- 13
1241	1723	817	43 Virginis	3.7	12 50 33.971	03.98	16	...	+ 3.0522	+ .0027	- 318	+ 3 56 27.65	03.13	17	...	-19.561	+ .104	- 60	
1242	1725	818	12 Canum Venaticum ..	2.9	51 21.065	04.38	5	...	2.8331	- .0147	- 203	+38 51 30.72	05.03	6	...	19.546	.099	+ 49	
1243	1727	819	8 Draconis	5.3	51 29.756	04.37	2	2	2.4041	- .0319	+ 3	+65 58 51.38	04.10	2	3	19.543	.086	- 42	
1244	1732	...	46 Virginis	6.1	55 26.988	08.29	2	...	3.0882	+ .0063	- 26	- 2 49 51.36	08.29	2	...	19.463	.116	+ 46	
1245	1735	821	47 Virginis	3.0	57 11.946	03.43	14	...	3.0052	- .0006	- 187	+11 29 47.75	04.43	11	...	19.426	.115	+ 15	
1246	1738	822	48 Virginis	6.5	12 58 45.254	06.31	2	...	+ 3.0908	+ .0066	- 33	- 3 7 31.58	06.31	2	...	-19.392	+ .122	- 28	
1247	1739	823	14 Canum Venaticum ..	5.1	13 1 3.929	06.98	6	...	2.8135	- .0123	- 17	+36 20 2.31	06.98	6	...	19.339	.116	+ 4	
1248	1747	827	51 Virginis	4.4	4 46.321	03.95	15	...	3.1050	+ .0079	- 29	- 5 0 18.18	03.04	26	...	19.252	.134	- 40	
1249	1749	...	Bradley 1749	6.2	5 5.903	08.28	2	...	2.7683	- .0132	- 12	+39 4 0.14	08.28	2	...	19.244	.121	- 4	
1250	1751	828	17 Canum Venaticum ..	6.0	5 27.718	06.27	2	...	2.7671	- .0130	- 64	+39 0 48.83	06.27	2	...	19.235	.121	+ 35	

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Auwers' Bradley, 1755.	No. in Newcomb's Fundamental Catalogue, 1900.	Star's Name.	Magnitude.	Mean R.A., 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1251	1755	830	43 Comæ..... β	4.3	13 7 12.394	06.69	6	...	+ 2.8636	- .0076	- 599	+28 23 5.88	06.12	8	...	-19.191	+ .124	+ 879
1252	1759	832	19 Canum Venaticum..	5.7	11 2.210	06.49	5	...	2.7132	- .0132	- 109	+41 23 0.23	06.49	5	...	19.092	.128	+ 0
1253	...	...	Lalande F. (2) 160...	7.5	11 12.112	08.62	2	2	0.7114	+ .0933	...	+80 10 54.24	08.62	2	2	19.086	.040	...
1254	1762	835	60 Virginis..... σ	5.0	12 33.341	07.85	4	...	3.0286	+ .0028	- 13	+ 5 59 48.02	07.85	4	...	19.051	.145	+ 16
1255	1765	836	20 Canum Venaticum...	4.7	13 3.486	06.98	3	...	2.7070	- .0128	- 94	+41 5 57.52	06.27	2	...	19.037	.131	+ 15
1256	1763	837	61 Virginis.....	4.8	13 13 10.427	03.71	3	...	+ 3.2067	+ .0156	- 751	-17 45 17.52	03.19	5	...	-19.034	+ .148	-1070
1257	1764	838	46 Hydræ..... γ	3.3	13 29.115	03.90	4	...	3.2481	+ .0189	+ 46	-22 38 37.49	03.79	5	...	19.025	.158	- 53
1258	1769	840	23 Canum Venaticum...	5.7	15 50.104	07.36	2	...	2.6992	- .0123	- 51	+40 40 31.15	07.36	2	...	18.959	.135	- 20
1259	1772	...	65 Virginis.....	5.9	18 7.922	06.36	5	...	3.1067	+ .0082	- 16	- 4 24 4.43	06.36	5	...	18.893	.159	- 17
1260	1773	...	66 Virginis.....	5.8	19 20.851	05.82	2	...	3.1092	.0084	+ 105	- 4 38 29.79	05.82	2	...	18.857	.163	- 30
1261	1774	843	67 Virginis..... α	1.2	13 19 55.405	02.97	27	...	+ 3.1581	+ .0116	- 28	-10 38 22.38	03.97	15	...	-18.840	+ .166	- 32
1262	1775	844	68 Virginis.....	5.6	21 (26)	...	...	...	3.1728	.0125	- 96	-12 11 13.84	05.30	1	...	18.795	.168	- 23
1263	...	...	Groombridge 1998...	6.1	23 8.439	08.53	1	1	1.5409	.0065	+ 71	+72 47 34.15	08.40	2	1	18.741	.088	- 20
1264	...	846	Piazzi XIII. 109.....	6.1	23 34.873	99.42	1	...	1.5219	+ .0077	+ 13	+72 54 40.05	99.42	1	...	18.728	.087	- 19
1265	...	848	Piazzi XIII. 110.....	5.4	24 46.887	05.45	1	...	2.2196	- .0150	- 107	+60 27 44.33	05.68	1	2	18.691	.124	+ 26
1266	1782	...	72 Virginis..... β	6.1	13 25 12.620	05.12	3	...	+ 3.1230	+ .0092	+ 23	- 5 57 14.20	05.12	3	...	-18.677	+ .174	+ 14
1267	1789	852	79 Virginis..... ζ	3.4	29 35.836	02.55	26	...	3.0731	+ .0064	- 195	- 0 5 5.00	02.97	22	...	18.534	.177	+ 40
1268	...	853	81 Ursæ Majoris.....	5.5	30 (17)	...	...	...	2.3158	- .0138	- 6	+55 51 37.69	06.02	...	1	18.512	.137	- 7
1269	1790	...	80 Virginis.....	5.8	30 19.126	07.05	5	...	3.1162	+ .0088	+ 10	- 4 53 12.17	07.05	5	...	18.510	.182	+ 75
1270	...	856	25 Canum Venaticum..	4.9	33 1.022	99.39	1	...	2.6775	- .0084	- 101	+36 48 13.34	99.40	2	...	18.418	.161	+ 13
1271	...	858	Groombridge 2029...	5.7	13 34 46.974	05.94	...	1	+ 1.4435	+ .0129	- 90	+71 45 3.94	05.89	...	4	-18.357	+ .091	- 11
1272	1796	859	82 Virginis..... m	5.3	36 21.774	04.09	14	...	3.1509	.0108	- 73	- 8 11 53.90	03.78	8	...	18.301	.194	+ 33
1273	...	...	Mayer 565.....	6.4	38 42.040	06.89	3	...	3.1211	.0092	- 49	- 4 59 41.83	06.89	3	...	18.216	.197	- 25
1274	1801	860	83 Virginis.....	5.7	39 6.051	01.82	9	...	3.2295	.0152	+ 7	-15 40 33.95	01.59	10	...	18.202	.205	- 11
1275	...	...	Groombridge 2053...	6.1	42 (13)	...	...	...	0.2221	+ .1235	- 232	+78 33 55.25	04.41	2	...	18.086	.019	+ 40
1276	1810	863	4 Boötis..... τ	4.5	13 42 30.616	04.47	14	...	+ 2.8850	- .0005	- 341	+17 57 18.56	03.74	14	...	-18.075	+ .185	+ 27
1277	1809	...	88 Virginis..... n	6.5	43 4.077	08.44	1	...	3.1369	+ .0101	- 33	- 6 20 19.30	08.44	1	...	18.053	.206	- 33
1278	1815	866	85 Ursæ Majoris..... η	1.9	43 35.973	05.16	2	3	2.3812	- .0100	- 118	+49 48 44.18	04.96	2	3	18.033	.158	- 23
1279	1811	867	89 Virginis.....	5.1	44 26.193	00.39	8	...	3.2593	+ .0165	- 77	-17 38 9.27	00.28	9	...	18.001	.216	- 40
1280	1823	870	10 Draconis..... ϵ	4.8	48 30.625	05.76	1	3	1.7524	- .0003	- 11	+65 13 1.81	05.73	1	4	17.842	.124	- 7
1281	1821	872	8 Boötis..... η	2.8	13 49 55.379	02.57	28	...	+ 2.8612	- .0003	- 44	+18 53 56.02	03.30	29	...	-17.785	+ .200	- 363
1282	...	...	Groombridge 2066...	6.7	50 21.221	06.69	1	1	- 0.2637	+ .1773	- 167	+79 29 21.63	05.72	4	1	17.767	- .013	...
1283	1829	879	93 Virginis..... τ	4.3	56 33.409	02.80	17	...	+ 3.0493	+ .0065	+ 10	+ 2 1 42.86	05.24	13	...	17.510	+ .224	- 29
1284	1830	880	11 Boötis.....	6.1	13 56 38.505	08.34	3	...	2.7280	- .0031	- 60	+27 52 10.13	07.94	5	...	17.506	.200	+ 5
1285	...	...	W. B. XIII. 1016...	8.2	14 0 6.992	04.34	2	...	3.1606	+ .0106	...	- 7 31 4.46	04.34	2	...	17.355	.236	...
1286	1833	884	94 Virginis.....	6.6	14 1 0.005	01.46	9	...	+ 3.1719	+ .0115	- 10	- 8 24 51.65	02.24	16	...	-17.317	+ .240	+ 9
1287	1834	...	95 Virginis.....	5.5	1 25.401	08.37	2	...	3.1773	.0117	- 98	- 8 50 11.52	08.37	2	...	17.298	.240	+ 11
1288	1836	885	11 Draconis..... α	3.6	1 40.883	05.96	4	5	1.6308	+ .0050	- 71	+64 51 13.37	05.63	4	7	17.287	.127	+ 11
1289	...	886	Piazzi XIII. 316.....	5.4	3 55.887	07.39	1	...	2.4003	- .0060	- 18	+44 19 49.29	07.39	1	...	17.187	.187	- 18
1290	1839	888	12 Boötis..... d	4.8	5 50.339	04.39	2	...	2.7387	- .0017	- 15	+25 33 56.54	04.39	2	...	17.100	.216	- 78
1291	...	...	3 Ursæ Minoris.....	6.3	14 6 8.912	06.39	1	...	+ 0.4512	+ .0770	- 142	+75 4 2.91	06.39	2	...	-17.086	+ .039	+ 8
1292	1842	889	98 Virginis..... k	4.3	7 33.611	04.07	20	...	3.1944	.0123	+ 6	- 9 48 29.33	05.93	9	...	17.021	.253	+ 132
1293	...	...	B. D. — 11° 3693...	6.9	8 20.732	99.41	6	...	+ 3.2150	.0133	...	-11 22 10.14	99.42	7	...	16.984	+ .256	...
1294	1859	890	4 Ursæ Minoris.....	5.0	9 13.985	04.83	2	5	- 0.2932	.1512	- 108	+78 1 2.11	05.22	5	5	16.943	- .017	+ 26
1295	1847	893	16 Boötis..... a	0.2	11 5.980	03.34	37	...	+ 2.8133	.0025	- 781	+19 42 10.63	03.76	30	...	16.855	+ .217	-2002
1296	...	...	W. B. XIV. 145.....	6.6	14 11 30.260	08.14	1	...	+ 3.1797	+ .0117	- 1	- 8 25 12.22	08.14	1	...	-16.836	+ .259	- 31
1297	...	...	W. B. XIV. 157.....	6.7	12 3.958	06.98	4	...	3.1819	+ .0118	- 10	- 8 33 32.56	06.98	4	...	16.810	.260	+ 20
1298	1852	894	19 Boötis..... λ	4.6	12 34.881	08.37	1	...	2.3010	- .0050	- 172	+46 31 51.25	08.37	1	...	16.785	.188	+ 151
1299	1854	895	21 Boötis.....	4.8	12 37.366	07.80	...	1	2.1425	- .0042	- 147	+51 49 39.69	07.80	...	1	16.783	.175	+ 84
1300	...	...	W. B. XIV. 184.....	7.8*	13 26.332	00.20	5	...	3.2232	+ .0134	...	-11 36 4.66	00.21	5	...	16.743	.266	...

ALTAZIMUTH CATALOGUE, 1900.0.

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							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1301	1850	898	100 Virginis.....λ	4.6	14 13 41.851	01.62	11	...	+ 3.2411	+ .0141	- 24	-12 54 38.60	01.58	13	...	-16.731	+ .267	+ 21
1302	1860	901	2 Libræ.....	6.3	18 2.700	02.74	9	...	3.2231	.0133	- 14	-11 15 26.28	02.74	9	...	16.519	.273	- 67
1303	...	...	W. B. XIV. 280.....	8.2*	18 18.215	99.40	1	...	3.2408	.0140	...	-12 31 32.38	99.40	1	...	16.506	.275	...
1304	...	...	W. B. XIV. 283.....	8.0*	18 24.332	00.99	5	...	3.2404	.0139	...	-12 29 10.58	00.99	5	...	16.501	.275	...
1305	1861	...	Bradley 1861.....	6.5	19 18.357	00.25	6	...	3.2237	+ .0132	- 46	-11 12 56.06	01.14	7	...	16.456	.275	- 28
1306	1867	904	23 Boötis.....θ	4.1	14 21 47.669	06.43	1	...	+ 2.0690	- .0012	- 255	+52 18 45.80	06.43	1	...	-16.331	+ .178	- 405
1307	1864	905	22 Boötis.....f	5.4	21 48.305	04.80	11	...	2.7952	+ .0010	- 52	+19 40 35.24	05.59	16	...	16.330	.242	+ 15
1308	...	...	Mayer 589.....	6.7	22 19.964	01.69	5	...	3.2506	.0141	- 42	-12 54 34.93	00.92	6	...	16.303	.282	- 5
1309	1865	907	105 Virginis.....φ	5.0	23 3.008	06.43	2	...	3.0966	+ .0088	- 90	- 1 46 47.02	06.43	2	...	16.267	.269	- 4
1310	1869	910	25 Boötis.....p	3.8	27 31.197	03.42	14	...	+ 2.5940	- .0016	- 73	+30 48 37.12	02.55	13	...	16.035	+ .233	+ 114
1311	1873	911	5 Ursæ Minoris.....	4.4	14 27 43.773	05.79	...	11	- 0.1825	+ .1174	+ 23	+76 8 25.64	05.52	5	14	-16.024	- .009	+ 21
1312	1871	912	27 Boötis.....γ	3.0	28 3.166	01.48	1	...	+ 2.4267	- .0028	- 91	+38 44 43.81	03.99	2	...	16.008	+ .218	+ 145
1313	...	913	Piazzì XIV. 126.....	6.2	28 59.745	07.96	...	1	1.6328	+ .0063	- 72	+60 39 56.95	07.96	...	1	15.957	.150	- 3
1314	1872	915	28 Boötis.....σ	4.5	30 19.579	07.38	9	...	2.5983	+ .0014	+ 150	+30 10 45.72	07.38	9	...	15.887	.241	+ 125
1315	...	...	Mayer 592.....	6.2	31 40.529	01.84	14	...	3.2451	+ .0131	- 591	-11 52 48.97	01.54	16	...	15.815	.287	+ 385
1316	1878	919	33 Boötis.....	5.4	14 35 6.993	06.26	6	...	+ 2.2401	- .0020	- 56	+44 50 10.50	06.26	6	...	-15.628	+ .210	- 43
1317	1875	922	29 Boötis.....π	4.9	36 1.575	03.11	6	...	2.8176	+ .0024	+ 18	+16 50 49.25	03.22	9	...	15.578	.266	- 1
1318	1876	923	30 Boötis.....ζ	3.9	36 22.363	07.17	4	...	2.8598	.0033	+ 37	+14 9 26.00	07.17	4	...	15.559	.270	- 25
1319	1880	926	107 Virginis.....μ	4.0	37 47.351	07.39	1	...	3.1500	+ .0107	+ 71	- 5 13 24.31	07.39	1	...	15.480	.300	- 322
1320	1883	928	34 Boötis.....	4.9	39 1.685	07.46	1	...	2.6377	- .0001	+ 2	+26 57 10.84	07.46	1	...	15.411	.253	- 23
1321	1890	930	36 Boötis.....ε ²	2.7	14 40 37.202	03.64	22	...	+ 2.6238	+ .0001	- 35	+27 29 44.91	03.32	12	...	-15.322	+ .253	+ 9
1322	1889	932	109 Virginis.....	3.8	41 11.558	06.22	5	...	3.0374	.0074	- 74	+ 2 18 51.28	04.87	7	...	15.290	.292	- 35
1323	...	...	Lalande 26929.....	6.4	42 27.575	08.44	1	...	3.2638	.0139	+ 13	-12 25 8.65	08.44	1	...	15.218	.317	- 83
1324	1891	933	7 Libræ.....μ	5.4	43 50.125	06.92	2	...	3.2864	.0145	- 53	-13 43 55.95	06.92	2	...	15.139	.320	- 28
1325	1893	934	8 Libræ.....	5.3	45 9.283	01.43	10	...	3.3182	+ .0155	- 73	-15 34 52.77	00.61	11	...	15.063	.324	- 74
1326	...	935	Groombridge 2152....	6.0	14 45 11.156	07.39	2	...	+ 2.3777	- .0010	- 222	+38 13 23.46	07.39	2	...	-15.061	+ .231	+ 113
1327	1894	936	9 Libræ.....α	2.9	45 20.718	03.11	14	...	3.3192	+ .0155	- 78	-15 37 34.49	02.32	15	...	15.052	.325	- 76
1328	1898	938	37 Boötis.....ξ	4.7	46 46.516	06.32	4	...	2.7573	.0022	+ 100	+19 30 57.65	06.32	4	...	14.969	.276	- 90
1329	...	941	Groombridge 2164....	5.7	48 53.982	04.23	2	2	1.5353	.0090	- 165	+59 42 1.16	04.31	2	3	14.845	.154	+ 118
1330	1901	942	13 Libræ.....ε ¹	5.8	48 57.066	07.15	7	...	+ 3.2550	.0133	- 48	-11 29 25.00	07.15	7	...	14.842	+ .324	- 20
1331	1917	944	7 Ursæ Minoris.....β	2.2	14 50 59.562	04.24	6	7	- 0.2131	+ .1005	- 65	+74 33 51.65	04.58	8	12	-14.721	- .016	+ 3
1332	1903	945	15 Libræ.....ε ²	5.6	51 20.467	03.58	8	...	+ 3.2491	.0130	- 6	-11 0 22.06	05.11	9	...	14.701	+ .328	- 1
1333	...	946	Piazzì XIV. 221.....	5.8	51 30.019	06.73	3	...	2.8312	.0036	- 21	+14 51 1.57	05.90	6	...	14.691	.287	- 11
1334	1907	...	17 Libræ.....	6.4	52 48.133	06.30	3	...	3.2461	.0129	- 19	-10 45 11.49	06.30	3	...	14.613	.330	- 21
1335	1909	...	18 Libræ.....	6.0	53 28.998	07.25	2	...	3.2465	.0129	- 79	-10 44 33.45	08.14	1	...	14.573	.330	- 77
1336	1911	950	19 Libræ.....δ	4.8	14 55 37.656	05.94	2	...	+ 3.2046	+ .0116	- 51	- 8 7 19.46	05.94	2	...	-14.443	+ .329	- 15
1337	...	951	Piazzì XIV. 260.....	4.9	55 59.442	06.07	1	4	0.9544	.0281	- 121	+66 19 49.43	06.20	1	4	14.421	.100	+ 20
1338	1918	952	42 Boötis.....β	3.6	58 10.681	04.33	8	...	2.2636	.0001	- 36	+40 47 5.74	03.45	8	...	14.287	.237	- 40
1339	1913	953	20 Libræ.....	3.4	14 58 12.932	04.11	3	...	3.5074	.0209	- 57	-24 53 19.73	04.11	3	...	14.285	.364	- 48
1340	1922	955	43 Boötis.....ψ	4.7	15 0 9.616	02.89	12	...	2.5835	.0012	- 133	+27 20 14.46	02.71	11	...	14.165	.270	- 14
1341	1924	957	45 Boötis.....c	5.0	15 2 54.502	06.91	4	...	+ 2.6209	+ .0017	+ 136	+25 15 31.19	06.80	5	...	-13.994	+ .283	- 185
1342	1927	960	24 Libræ.....t var.	6.1	6 31.194	03.36	12	...	+ 3.4147	.0171	- 31	-19 24 48.00	04.32	6	...	13.766	+ .367	- 53
1343	...	962	Groombridge 2283...	7.2	9 (21)	...	...	...	-20.5509	6.9957	- 5	+87 37 3.51	03.26	35	31	13.586	-2.198	+ 31
1344	1936	966	49 Boötis.....δ	3.5	11 28.260	06.45	2	...	+ 2.4117	.0011	+ 75	+33 41 17.22	06.45	2	...	13.448	+ .268	- 125
1345	1934	967	27 Libræ.....β	2.7	11 37.485	03.43	13	...	3.2297	.0118	- 66	- 9 0 50.48	04.65	14	...	13.438	.354	- 24
1346	...	968	Groombridge 2214....	5.2	15 13 29.285	05.02	...	5	+ 0.6334	+ .0393	+ 371	+67 43 35.62	03.89	...	9	-13.317	+ .083	- 402
1347	1939	...	29 Libræ.....o ¹	6.1	15 25.856	08.14	1	...	+ 3.3456	.0144	+ 19	-15 11 17.96	08.14	1	...	13.189	+ .373	+ 24
1348	1954	...	11 Ursæ Minoris.....	5.1	17 (10)	...	...	...	- 0.0806	.0732	+ 44	+72 11 11.74	00.99	...	2	13.074	+ .002	+ 5
1349	1941	971	30 Libræ.....e ²	6.6	17 27.102	02.46	7	...	+ 3.3399	.0142	- 5	-14 46 37.31	05.93	6	...	13.056	+ .375	+ 3
1350	...	...	Mayer 616.....	5.8	18 22.935	06.00	3	...	3.2889	.0129	- 43	-12 0 44.50	06.00	3	...	12.994	.370	- 38

1342. The limits of magnitude are 4.3 and 5.0.

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Auwers' Bradley, 1755.	No. in Newcomb's Fundamental Catalogue, 1900.	Star's Name.	Magnitude.	Mean R.A., 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1351	1947	972	2 Coronæ	5.1	15 19 4.427	04.47	5	...	+ 2.4678	+ .0018	+ 97	+30 38 55.96	04.46	6	...	-12.948	+ .283	- 199
1352	1950	975	51 Boötis	4.5	20 42.821	08.49	1	...	+ 2.2782	.0014	- 121	+37 43 39.63	08.49	1	...	12.838	+ .258	+ 81
1353	1962	976	13 Ursæ Minoris	3.1	20 52.895	02.68	4	5	- 0.1248	.0738	- 20	+72 11 23.51	02.86	6	10	12.827	+ .009	+ 13
1354	1949	978	32 Libræ	5.9	22 36.964	02.72	12	...	+ 3.3759	.0148	+ 6	-16 22 3.88	03.29	20	...	12.710	+ .386	- 43
1355	1957	979	12 Draconis	3.5	22 42.160	04.99	2	5	1.3300	.0132	+ 14	+59 18 58.77	04.61	2	6	12.704	.156	+ 10
1356	1955	980	3 Coronæ	3.7	15 23 42.373	02.20	3	...	+ 2.4865	+ .0019	- 130	+29 27 1.36	03.92	5	...	-12.636	+ .284	+ 78
1357	1965	981	52 Boötis	5.2	27 20.247	05.78	3	...	2.1533	.0021	+ 16	+41 10 25.72	05.78	3	...	12.388	.252	- 14
1358	1967	983	53 Boötis	5.0	28 12.279	06.47	1	...	2.1485	.0022	- 16	+41 14 17.74	06.47	1	...	12.328	.252	- 10
1359	1964	986	38 Libræ	4.0	29 55.883	02.31	26	...	3.3456	.0136	+ 47	-14 27 21.44	02.15	25	...	12.209	.393	+ 6
1360	1973	987	5 Coronæ	2.3	30 27.210	02.54	25	...	+ 2.5301	.0025	+ 90	+77 3 4.26	03.32	25	...	12.172	+ .300	- 100
1361	2008	...	15 Ursæ Minoris	5.3	15 34 22.699	06.07	3	2	- 1.8537	+ .1898	- 137	+27 40 57.30	05.52	9	1	-11.898	- .216	+ 6
1362	1981	994	43 Libræ	5.0	36 11.065	01.42	20	...	+ 3.4524	.0157	- 35	-19 21 16.86	01.42	20	...	11.770	+ .412	- 106
1363	1986	995	21 Serpentis	4.5	37 5.643	06.47	1	...	2.6776	.0036	- 48	+19 58 32.34	06.47	1	...	11.706	.321	- 58
1364	1985	...	44 Libræ	5.6	38 26.793	07.32	4	...	3.3715	.0136	- 28	-15 21 15.18	07.32	4	...	11.610	.405	- 79
1365	1991	996	8 Coronæ	3.9	38 32.576	08.45	1	...	2.5263	.0027	- 71	+26 36 44.36	08.45	1	...	11.603	.304	+ 28
1366	1990	997	24 Serpentis	2.8	15 39 20.496	02.97	24	...	+ 2.9432	+ .0061	+ 89	+ 6 44 24.74	03.28	15	...	-11.545	+ .358	+ 42
1367	1996	998	28 Serpentis	3.7	41 34.357	04.34	6	...	2.7624	.0043	+ 54	+15 44 5.16	04.88	8	...	11.385	.338	- 56
1368	2002	999	35 Serpentis	4.3	44 14.293	03.16	6	...	2.7024	.0039	- 35	+18 27 1.12	03.16	6	...	11.193	.331	- 99
1369	2001	1000	32 Serpentis	3.6	44 24.124	05.49	2	...	3.1329	.0088	- 58	- 3 7 27.64	04.46	6	...	11.181	.383	- 28
1370	...	1002	Piazzi XV. 198.	5.1	45 8.466	05.02	...	3	0.8991	.0225	+ 47	+62 54 30.46	05.02	...	3	11.127	.115	- 69
1371	2005	1003	37 Serpentis	3.8	15 45 49.837	01.93	16	...	+ 2.9792	+ .0065	+ 82	+ 4 46 42.94	03.99	12	...	-11.077	+ .369	+ 70
1372	...	...	B. D. - 13° 4269.	6.3	46 3.247	07.32	1	...	3.3468	.0125	- 10	-13 49 53.59	07.32	1	...	11.061	.411	+ 1
1373	2007	1005	45 Libræ	5.1	47 31.698	01.49	16	...	+ 3.4768	.0151	- 17	-19 52 4.40	01.49	16	...	10.953	+ .429	- 46
1374	2041	1006	16 Ursæ Minoris	4.3	47 37.333	04.32	1	9	- 2.2418	.0201	+ 82	+78 6 7.70	05.72	5	17	10.946	- .267	- 4
1375	2011	...	46 Libræ	4.3	48 7.814	08.15	2	...	+ 3.4031	.0134	+ 66	-16 26 8.95	08.15	2	...	10.909	+ .423	+ 119
1376	2015	...	47 Libræ	5.9	15 49 13.529	00.85	5	...	+ 3.4615	+ .0146	- 10	-19 5 14.45	00.85	5	...	-10.828	+ .429	- 20
1377	...	...	Piazzi XV. 210.	7.0	51 20.927	01.07	5	...	+ 3.5111	.0155	+ 5	-21 11 40.71	01.07	5	...	10.672	+ .438	- 42
1378	...	...	Lalande F. 2728.	7.0	51 22.865	05.45	2	...	- 4.2662	.4006	- 70	+81 14 8.00	04.48	2	...	10.668	- .522	- 7
1379	2023	1009	41 Serpentis	3.9	51 49.999	03.05	13	...	+ 2.7478	.0057	+ 211	-15 59 16.62	03.72	10	...	10.636	+ .349	-1289
1380	2020	1010	6 Scorpis	3.0	52 48.154	08.58	1	...	3.6221	.0179	- 10	-25 49 34.13	08.58	1	...	10.564	.453	- 48
1381	...	...	Lalande 29043.	8.7*	15 53 18.646	02.45	3	...	+ 3.4784	+ .0140	...	-19 38 54.09	02.48	2	...	-10.525	+ .440	...
1382	...	...	Lalande 29044.	8.6*	53 19.422	02.13	6	...	3.4784	.0140	...	-19 39 6.00	02.08	5	...	10.525	.440	...
1383	2029	1011	13 Coronæ	4.2	53 26.884	06.70	4	...	2.4884	.0031	- 66	+27 10 2.30	06.70	4	...	10.516	.312	- 67
1384	2024	1012	7 Scorpis	2.5	54 25.167	06.47	1	...	3.5411	.0158	- 12	-22 20 12.97	06.47	1	...	10.443	.445	- 35
1385	2026	1013	49 Libræ	5.5	54 42.797	07.33	2	...	3.4049	.0133	- 435	-16 14 19.25	06.74	6	...	10.421	.418	- 390
1386	...	...	Lalande 29094.	7.2	15 55 14.432	01.50	5	...	+ 3.5083	+ .0150	+ 21	-20 52 21.64	01.50	5	...	-10.382	+ .443	- 27
1387	...	1014	Groombridge 2296.	5.0	55 25.033	06.08	...	2	1.4369	.0097	- 202	+55 1 55.33	06.08	...	2	10.369	.179	+ 106
1388	...	...	Lalande 29156.	7.1	57 18.352	01.05	5	...	3.4808	.0142	- 7	-19 33 43.45	01.05	5	...	10.227	+ .441	- 5
1389	...	...	Piazzi XV. 258.	6.9	59 20.313	07.52	1	...	2.6951	.0040	...	+18 4 (40)	...	...	...	10.073	- .343	...
1390	2034	1017	8 Scorpis	2.9	59 37.274	03.44	15	...	3.4825	.0141	- 11	-19 31 53.78	01.99	8	...	10.052	+ .443	- 28
1391	...	...	Oeltz. Arg. (S.) 15199	7.8	15 59 49.799	01.47	4	...	+ 3.5295	+ .0150	...	-21 33 55.92	01.15	3	...	-10.036	+ .450	...
1392	2053	1019	13 Draconis	4.1	16 0 0.823	06.55	1	4	1.1587	.0136	- 391	+58 49 55.77	05.28	1	9	10.022	.141	+ 340
1393	2039	...	9 Scorpis	4.1	0 57.404	01.50	5	...	3.5038	.0144	- 15	-20 23 53.37	01.50	5	...	9.951	.447	- 39
1394	2040	...	10 Scorpis	4.6	1 32.359	01.91	5	...	3.5090	.0145	+ 30	-20 35 54.93	01.91	5	...	9.907	.450	- 61
1395	...	...	B. D. - 17° 4502.	6.4	4 9.558	07.40	1	...	3.4540	.0131	- 56	-18 4 (29)	...	...	...	9.707	.443	- 7
1396	2058	1022	16 Coronæ	4.9	16 5 18.843	08.44	2	...	+ 2.1969	+ .0026	- 49	+36 44 41.72	08.44	2	...	- 9.618	+ .284	+ 324
1397	2061	1026	11 Herculis	4.3	5 37.040	04.93	5	...	1.8908	.0044	- 17	+45 11 48.59	04.93	5	...	9.595	.246	+ 37
1398	...	1027	Groombridge 2320.	5.4	6 2.881	06.53	1	6	0.1542	.0401	- 74	+68 4 25.02	07.07	1	7	9.562	.022	+ 52
1399	2055	1028	14 Scorpis	3.9	6 10.954	01.07	5	...	3.4815	.0135	- 17	-19 12 2.55	01.07	5	...	9.552	.450	- 41
1400	...	...	Piazzi XVI. 10.	6.7	7 47.700	01.70	5	...	3.5285	.0141	- 85	-21 8 39.88	01.70	5	...	9.427	.456	+ 14

ALTAZIMUTH CATALOGUE, 1900'0.

39

No.	No. in Auwers' Bradley, 1755.	No. in Newcomb's Fundamental Catalogue, 1900.	Star's Name.	Magnitude.	Mean R.A. 1900'0.	Mean Date.	No. of Obs.		Annual Precession, 1900'0.	Secular Variation, 1900'0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900'0.	Mean Date.	No. of Obs.		Annual Precession, 1900'0.	Secular Variation, 1900'0.	Annual Proper Motion in Units of "001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1401	...	...	B. F. 2217.....	6.4	16 8 52.952	02.10	5	...	+ 3.4629	+ .0130	- 95	-18 16 43.68	02.10	5	...	- 9.343	+ .448	- 132
1402	...	...	Piazz XVI. 17	7.1	8 57.399	01.83	3	...	3.5532	.0144	+ 33	-22 7 35.85	01.83	3	...	9.337	.463	+ 41
1403	2065	1030	1 Ophiuchi.....	3.0	9 6.256	03.92	21	...	3.1434	.0082	- 32	- 3 26 13.14	04.16	20	...	9.326	.409	- 144
1404	...	...	B. D. - 14° 4383.....	6.1	10 12.781	06.50	2	...	3.3812	.0114	...	-14 35 54.92	06.43	2	...	9.240	.441	...
1405	...	...	17 Coronæ (Comes).....	6.7	10 55.843	07.53	1	...	2.2677	.0033	- 224	+34 6 (38)	...	...	...	9.184	.292	- 71
1406	2074	1031	17 Coronæ.....	5.8	16 10 56.181	07.02	2	...	+ 2.2677	+ .0033	- 224	+34 6 41.93	06.50	1	...	- 9.184	+ .292	- 71
1407	...	...	Piazz XVI. 28.....	6.7	11 8.408	01.23	4	...	3.5015	.0133	- 1	-19 51 19.03	01.23	4	...	9.168	.458	- 7
1408	2073	1033	2 Ophiuchi.....	3.3	13 1.791	03.99	4	...	3.1652	.0082	+ 54	- 4 26 57.75	03.17	3	...	9.021	.417	+ 37
1409	...	...	Piazz XVI. 39.....	6.4	13 16.315	01.49	4	...	+ 3.5064	.0132	+ 2	-19 58 26.00	01.49	4	...	9.002	+ .461	- 8
1410	2096	1034	19 Ursæ Minoris.....	5.5	13 40.230	05.12	...	7	- 1.7678	.1254	+ 7	+76 7 45.58	05.23	...	8	8.971	- .227	+ 8
1411	...	...	Lalande 29725.....	8.0*	16 14 41.646	01.49	5	...	+ 3.4719	+ .0120	...	-18 26 57.47	01.49	5	...	- 8.890	+ .460	...
1412	...	...	Oeltz. Arg. (S.) 15541	7.1	14 47.949	01.84	3	...	3.5467	.0137	+ 22	-21 36 0.37	01.84	3	...	8.882	.468	- 27
1413	2077	1035	20 Scorpii.....	3.1	15 6.496	07.48	2	...	+ 3.6404	.0154	- 11	-25 21 9.41	08.52	1	...	8.858	+ .480	- 39
1414	...	...	Groombridge 2337.....	6.0	16 11.817	07.12	3	...	- 1.0210	.0827	- 40	+73 38 21.86	06.46	4	...	8.773	- .131	+ 18
1415	2086	1036	22 Herculis.....	3.9	16 44.026	08.12	...	1	+ 1.8023	.0051	+ 1	+46 33 4.30	08.12	...	1	8.730	+ .240	+ 29
1416	...	...	Lalande 29770.....	7.5	16 16 53.154	01.82	3	...	+ 3.5802	+ .0140	...	-22 52 56.88	01.82	3	...	- 8.718	+ .470	...
1417	2084	1039	20 Herculis.....	3.8	17 30.498	03.39	14	...	2.6483	.0038	- 34	+19 23 16.83	02.66	14	...	8.669	.351	+ 37
1418	2082	...	4 Ophiuchi.....	4.6	18 15.015	01.52	3	...	3.5069	.0127	- 14	-19 48 12.12	01.52	3	...	8.611	.465	- 60
1419	2083	1044	5 Ophiuchi.....	5.2	19 35.298	06.43	1	...	3.5914	.0139	- 15	-23 12 (59)	...	...	...	8.505	.478	- 8
1420	...	...	B. D. - 19° 4368.....	8.5*	19 35.935	02.16	3	...	+ 3.5034	.0127	...	-19 36 24.81	02.16	3	...	8.504	+ .465	...
1421	2111	1045	21 Ursæ Minoris.....	5.0	16 20 25.235	06.28	...	3	- 1.7848	+ .1136	- 227	+75 59 8.54	05.44	2	5	- 8.439	- .238	+ 253
1422	2090	1046	24 Herculis.....	4.5	20 48.134	07.99	2	...	+ 2.7639	.0045	- 28	+14 15 49.15	07.99	2	...	8.408	+ .369	- 59
1423	2088	...	7 Ophiuchi.....	4.9	21 13.620	00.88	3	...	3.4723	.0118	- 7	-18 13 45.97	02.45	4	...	8.375	.463	- 22
1424	...	...	Oeltz. Arg. (S.) 15647	7.6	21 18.206	01.84	3	...	3.5603	.0135	- 224	-21 53 33.16	01.84	3	...	8.369	.469	- 283
1425	...	1048	Groombridge 2343.....	5.7	22 13.955	05.03	...	1	1.3065	.0101	+ 24	+55 25 55.18	05.03	...	1	8.295	.178	+ 18
1426	2091	1051	21 Scorpii.....	1.2	16 23 16.480	02.54	6	...	+ 3.6725	+ .0149	- 6	-26 12 36.55	04.19	7	...	- 8.212	+ .492	- 28
1427	...	...	B. D. - 21° 4366.....	7.8*	23 24.516	02.02	2	...	3.5489	.0130	...	-21 20 52.04	02.02	2	...	8.201	.475	...
1428	...	...	B. D. - 18° 4287.....	8.0*	23 54.139	01.49	4	...	3.4796	.0120	...	-18 27 13.91	01.49	4	...	8.161	.460	...
1429	2102	1054	30 Herculis.....	5.0	25 21.460	07.53	1	...	1.9662	.0040	+ 24	+42 6 5.44	07.53	1	...	8.045	.267	+ 10
1430	2094	...	8 Ophiuchi.....	4.4	25 24.876	06.43	1	...	3.4325	.0109	- 39	-16 23 40.39	06.43	2	...	8.041	.461	- 29
1431	2097	1055	10 Ophiuchi.....	3.9	16 25 52.169	03.89	9	...	+ 3.0252	+ .0063	- 23	+ 2 12 9.79	04.19	12	...	- 8.004	+ .407	- 79
1432	2100	1056	27 Herculis.....	2.8	25 55.301	05.49	2	...	2.5845	.0037	- 76	+21 42 26.58	03.70	5	...	8.000	.347	- 25
1433	2095	...	9 Ophiuchi.....	4.6	26 12.421	01.34	5	...	3.5492	.0124	+ 14	-21 15 9.02	01.34	5	...	7.977	.478	+ 27
1434	...	...	Lalande 30046.....	8.5*	26 32.312	01.53	2	...	+ 3.5320	.0122	...	-20 32 16.48	01.53	2	...	7.951	+ .476	...
1435	2118	1059	15 Draconis.....	5.0	28 10.519	04.55	2	4	- 0.1309	.0407	- 48	+68 59 4.18	05.16	2	8	7.819	- .016	+ 36
1436	...	...	Oeltz. Arg. (S.) 15742	8.4*	16 28 55.637	02.15	3	...	+ 3.5144	+ .0118	...	-19 43 55.52	02.15	3	...	- 7.757	+ .475	...
1437	2103	1061	23 Scorpii.....	2.9	29 39.429	06.47	2	...	3.7287	.0150	- 13	-28 0 30.61	06.47	2	...	7.699	.505	- 34
1438	...	...	B. D. - 18° 4295.....	8.2*	29 41.333	01.69	5	...	3.4844	.0110	...	-18 27 55.52	01.69	5	...	7.697	.470	...
1439	2113	1062	35 Herculis.....	4.3	30 52.732	06.43	1	...	+ 1.9334	.0042	- 6	+42 38 35.63	06.43	1	...	7.601	+ .264	+ 26
1440	...	...	Piazz XVI. 182.....	5.5	31 17.401	04.49	1	...	- 3.4014	.1961	- 365	+79 10 38.59	04.49	2	...	7.567	- .466	+ 114
1441	2109	1063	13 Ophiuchi.....	2.7	16 31 39.078	03.89	17	...	+ 3.2988	+ .0086	+ 7	-10 21 52.69	04.33	17	...	- 7.538	+ .449	+ 22
1442	...	...	Oeltz. Arg. (S.) 15773	8.0*	31 41.416	02.51	1	...	3.5691	.0123	...	-21 51 9.11	02.51	1	...	7.535	.485	...
1443	...	...	Lalande 30207.....	7.6	32 19.810	01.10	5	...	3.5907	.0125	- 26	-22 41 24.02	01.10	5	...	7.483	.488	- 60
1444	...	...	Lalande 30225.....	7.1	32 45.170	99.54	2	...	3.4905	.0109	- 17	-18 37 30.32	99.54	2	...	7.449	.475	- 5
1445	...	...	Mayer 671.....	6.5	34 40.742	01.14	5	...	+ 3.5307	.0112	+ 8	-20 12 48.81	01.14	5	...	7.292	+ .483	+ 37
1446	...	1064	Piazz XVI. 195.....	6.4	16 34 56.560	06.45	2	...	- 2.6140	+ .1360	- 342	+77 38 45.54	06.45	2	...	- 7.271	- .361	+ 273
1447	2114	1065	24 Scorpii.....	5.0	35 47.243	06.24	5	...	+ 3.4668	.0103	- 17	-17 32 54.50	06.16	4	...	7.201	+ .474	- 4
1448	2115	...	Bradley 2115.....	5.6	36 0.921	02.53	4	...	3.5199	.0109	+ 21	-19 43 58.59	02.53	4	...	7.183	.483	+ 45
1449	2128	1066	42 Herculis.....	5.1	36 1.926	07.53	1	...	1.6307	.0060	- 19	+49 7 25.89	07.53	1	...	7.181	.225	+ 38
1450	...	...	Oeltz. Arg. (S.) 15868	8.0*	37 5.482	01.99	4	...	3.5559	.0110	...	-21 9 8.08	01.99	4	...	7.095	.490	...

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Answers' Bradley. 1755.	No. in Newcombs' Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A. 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1451	2127	1067	40 Hercules.....	3.0	h m s 16 37 30.981	02.44	12	...	+ 2.2973	+ .0027	- 363	+ 31 47 2.42	02.61	10	...	- 7.060	+ .306	+ 391
1452	2123	...	15 Ophiuchi.....	6.9	39 7.674	01.52	4	...	3.6046	.0117	- 12	- 22 59 51.21	01.52	4	...	6.928	.496	+ 6
1453	2133	1069	44 Hercules.....	3.6	39 28.094	05.07	4	...	2.0522	.0039	+ 30	+ 39 6 44.00	05.07	4	...	6.900	.285	- 93
1454	...	1071	Groombridge 2377...	4.9	43 24.001	04.71	4	3	1.1312	.0104	+ 46	+ 56 57 38.08	04.83	4	3	6.576	.160	+ 62
1455	...	...	Lalande 30551.....	7.6	43 37.155	00.71	5	...	3.5743	.0109	+ 10	- 21 40 35.28	00.71	5	...	6.558	.495	- 31
1456	2139	1076	47 Hercules.....	5.5	16 45 27.993	06.14	4	...	+ 2.9074	+ .0048	+ 32	+ 7 25 12.94	06.04	3	...	- 6.405	+ .405	- 3
1457	2144	1078	49 Hercules.....	6.4	47 31.676	05.36	6	...	2.7286	.0039	+ 10	+ 15 8 30.83	05.36	6	...	6.234	.381	- 14
1458	2150	1080	25 Ophiuchi.....	4.3	49 16.580	06.50	1	...	2.8403	.0044	- 37	+ 10 19 47.05	06.50	1	...	6.089	.396	- 43
1459	...	...	Piazzi XVI. 232.....	6.5	50 15.469	06.02	2	...	3.4536	.0088	+ 62	- 16 38 48.04	06.02	2	...	6.007	.485	+ 24
1460	2148	...	24 Ophiuchi.....	5.6	50 46.121	00.25	7	...	3.6137	.0105	+ 1	- 22 59 29.07	00.25	7	...	5.964	.506	- 35
1461	2156	1084	27 Ophiuchi.....	3.4	16 52 56.083	02.80	20	...	+ 2.8575	+ .0043	- 200	+ 9 31 49.37	03.07	24	...	- 5.783	+ .396	- 11
1462	...	...	Lalande F. (2) 231.....	6.9	54 5.852	04.49	1	...	- 3.9572	.1747	...	+ 79 40 6.91	04.49	2	...	5.685	- .551	...
1463	2159	1086	30 Ophiuchi.....	5.0	55 47.210	01.53	4	...	+ 3.1638	.0060	- 18	- 4 4 22.13	02.51	6	...	5.544	+ .445	- 76
1464	2158	...	29 Ophiuchi.....	6.4	56 0.171	05.46	1	...	+ 3.5081	.0087	- 24	- 18 44 18.73	05.46	1	...	5.525	+ .493	- 20
1465	2201	1087	22 Urse Minoris.....	4.4	56 12.194	03.88	5	4	- 6.3111	.3152	+ 57	+ 82 12 7.55	03.16	11	16	5.509	- .881	- 1
1466	2161	1088	58 Hercules.....	3.9	16 56 27.776	01.18	16	...	+ 2.2977	+ .0031	- 36	+ 31 4 25.19	01.49	13	...	- 5.487	+ .324	+ 23
1467	2165	1089	59 Hercules.....	5.3	16 57 54.860	06.98	2	...	2.2131	.0033	- 16	+ 33 42 46.63	06.98	2	...	5.365	.313	- 9
1468	2167	1090	60 Hercules.....	4.9	17 0 44.400	05.85	2	...	2.7769	.0038	+ 39	+ 12 52 41.78	05.85	2	...	5.126	.395	- 23
1469	...	...	Mayer 691.....	6.1	2 26.435	06.50	2	...	3.4799	.0079	- 7	- 17 28 35.50	06.50	2	...	4.982	.493	- 49
1470	...	1091	Groombridge 2415...	6.3	4 30.994	06.50	3	...	1.9584	.0037	- 13	+ 40 38 48.57	06.50	3	...	4.806	.279	- 22
1471	2171	1092	35 Ophiuchi.....	2.6	17 4 38.540	02.57	31	...	+ 3.4347	+ .0071	+ 17	- 15 36 3.90	02.74	35	...	- 4.795	+ .489	+ 91
1472	2193	1094	22 Draconis.....	3.2	8 29.782	04.34	7	10	0.1682	.0190	- 21	+ 65 50 16.03	04.27	7	15	4.467	.025	+ 18
1473	2176	1095	36 Ophiuchi.....	A ¹ 5.3	9 11.867	01.54	6	...	3.7211	.0107	- 370	- 26 27 20.85	01.54	6	...	4.408	.521	- 1168
1474	...	...	36 Ophiuchi.....	A ² 5.3	9 11.988	01.54	6	...	3.7211	.0107	- 370	- 26 27 16.58	01.54	6	...	4.408	.521	- 1168
1475	2183	1096	64 Hercules.....	a ¹ 3.5	10 5.225	01.86	14	...	2.7348	.0034	- 8	+ 14 30 15.49	02.42	18	...	4.331	.391	+ 30
1476	2185	1098	65 Hercules.....	3.2	17 10 55.436	03.57	3	...	+ 2.4646	+ .0033	- 19	+ 24 57 25.05	03.78	5	...	- 4.260	+ .352	- 158
1477	2187	1100	67 Hercules.....	3.4	11 33.747	02.61	3	...	2.0904	.0033	- 25	+ 36 55 18.03	02.61	3	...	4.205	.299	- 1
1478	2194	1102	68 Hercules.....	var.	13 37.869	07.00	4	...	2.2154	.0031	- 21	+ 33 12 27.40	07.00	4	...	4.028	.318	- 5
1479	...	...	Piazzi XVII. 43.....	6.0	14 4.097	06.50	2	...	3.4891	.0066	- 3	- 17 39 7.99	06.50	2	...	3.991	.500	+ 1
1480	2195	1103	69 Hercules.....	e 4.8	14 13.291	05.31	1	...	2.0710	.0031	- 32	+ 37 23 46.43	06.77	2	...	3.978	.297	+ 59
1481	2186	...	40 Ophiuchi.....	4.5	17 15 0.604	01.05	6	...	+ 3.5756	+ .0074	+ 172	- 21 0 20.33	01.25	7	...	- 3.910	+ .518	- 198
1482	2189	1105	42 Ophiuchi.....	3.4	15 52.066	03.33	10	...	3.6812	.0078	- 6	- 24 53 58.32	06.07	4	...	3.837	.528	- 36
1483	...	...	Lalande 31535-7.....	8.3*	16 46.158	99.59	1	...	3.5535	.0068	...	- 20 7 42.01	99.59	1	...	3.759	.511	...
1484	2199	1106	72 Hercules.....	w 5.4	16 55.045	03.19	5	...	2.2328	.0048	+ 94	+ 32 35 46.95	03.19	5	...	3.746	.324	- 1047
1485	...	...	Lalande 31552.....	8.1*	17 1.058	01.14	5	...	3.5533	.0068	...	- 20 7 6.10	01.14	5	...	3.738	.511	...
1486	...	...	Mayer 701.....	6.0	17 18 43.161	02.48	7	...	+ 3.5862	+ .0068	- 8	- 21 20 53.25	02.48	7	...	- 3.591	+ .516	- 45
1487	...	...	Lalande 31611.....	6.3	18 45.742	06.20	4	...	3.5085	.0062	+ 16	- 18 21 8.92	06.20	4	...	3.588	.505	+ 9
1488	2196	...	Bradley 2196.....	6.3	18 59.511	03.61	1	...	3.6621	.0072	+ 10	- 24 9 7.12	03.61	1	...	3.568	.527	+ 17
1489	...	...	75 Hercules.....	p ¹ 5.5	20 13.878	07.52	1	...	2.0717	.0032	- 29	+ 37 14 19.18	07.52	1	...	3.461	.298	- 5
1490	2207	1108	75 Hercules.....	p ² 4.5	20 13.968	07.52	1	...	2.0718	.0032	- 29	+ 37 14 16.04	07.52	1	...	3.461	.298	- 5
1491	2206	1111	49 Ophiuchi.....	4.4	17 21 33.160	02.58	30	...	+ 2.9749	+ .0037	+ 2	+ 4 13 37.93	02.60	24	...	- 3.347	+ .429	+ 8
1492	...	...	Lalande 31733.....	7.8*	22 18.279	00.35	5	...	3.5753	.0062	...	- 20 52 48.66	00.35	5	...	3.283	.516	...
1493	...	...	Oeltz Arg. (S.) 16844	8.8	23 49.679	00.75	5	...	3.5370	.0059	...	- 19 23 33.94	00.75	5	...	3.150	.511	...
1494	2211	1114	77 Hercules.....	x 5.8	24 5.157	06.82	3	...	1.5884	.0044	+ 3	+ 48 20 38.13	06.82	3	...	3.129	.230	- 12
1495	2209	...	51 Ophiuchi.....	e ² 4.9	25 18.855	01.54	7	...	+ 3.6574	.0064	+ 0	- 23 53 6.68	01.54	7	...	3.022	+ .528	- 31
1496	...	...	Lalande 32153.....	7.4	17 25 36.028	05.23	1	...	- 1.7746	+ .0411	...	+ 74 44 54.35	05.23	1	...	- 2.998	- .256	...
1497	2213	1117	76 Hercules.....	λ 4.5	26 41.766	06.97	5	...	+ 2.4221	.0027	+ 16	+ 26 11 9.51	06.97	5	...	2.903	+ .351	+ 18
1498	...	...	Groombridge 2456...	5.9	27 11.286	04.53	1	...	- 4.6059	.1062	+ 117	+ 80 13 32.02	04.53	2	...	2.861	- .664	+ 6
1499	2221	1119	23 Draconis.....	3.0	28 10.320	03.47	10	1	+ 1.3552	.0050	- 17	+ 52 22 31.45	03.25	10	1	2.775	+ .196	+ 9
1500	...	...	Piazzi XVII. 148....	8.2*	29 23.456	08.30	1	...	2.7766	.0030	...	+ 12 34 (54)	...	...	...	2.669	.402	...

1478. The limits of magnitude are 4.6 and 5.4, period irregular.

ALTAZIMUTH CATALOGUE, 1900.0.

41

No. in Answers Bradley. 1755.	No. in Newcombs' Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A., 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination. 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "001.	
						Above Pole.	Below Pole.						Above Pole.	Below Pole.				
1501	2222	1122	24 Draconis..... ¹	5.0	h m s 17 30 12.419	06.43	1	...	s + 1.1619	+ .0055	+ 181	+55 15 10.30	06.43	1	...	- 2.599	+ .174	+ 49
1502	2218	1123	55 Ophiuchi..... ^a	2.1	30 17.515	02.24	49	...	2.7753	.0033	+ 80	+12 37 57.73	02.27	47	...	2.591	.405	- 235
1503	2224	1124	25 Draconis..... ²	5.0	30 17.770	06.43	1	...	1.1626	.0055	+ 171	+55 14 29.29	06.43	1	...	2.591	.174	+ 48
1504	2217	1125	55 Serpenti..... ³	3.6	31 51.591	02.41	4	...	+ 3.4361	.0046	- 38	-15 20 8.84	02.03	5	...	2.455	+ .497	- 60
1505	2234	1126	27 Draconis..... ^f	5.2	32 21.819	07.96	...	1	- 0.2446	.0141	- 43	+68 11 54.38	07.96	...	1	2.412	- .036	+ 128
1506	2219	...	Bradley 2219.....	6.7	17 32 44.349	08.22	1	...	+ 3.6046	+ .0051	- 9	-21 51 13.18	08.22	1	...	- 2.379	+ .522	- 25
1507	2225	1128	56 Serpenti..... ^o	4.4	35 47.512	07.00	4	...	3.3748	.0040	- 55	-12 49 17.87	07.00	4	...	2.113	.489	- 38
1508	2233	1131	85 Herculis.....	3.8	36 38.459	02.94	9	...	1.6927	.0034	+ 3	+46 3 34.30	02.94	9	...	2.040	.247	+ 3
1509	2226	...	58 Ophiuchi.....	4.9	37 26.241	06.73	2	...	+ 3.5998	.0046	- 62	-21 38 4.37	06.73	2	...	1.970	+ .521	- 52
1510	2238	1132	28 Draconis..... ^o	4.9	37 32.018	02.22	3	1	- 0.3575	.0107	+ 17	+68 48 15.43	01.45	3	2	1.962	- .050	+ 318
1511	2229	1134	60 Ophiuchi..... ⁸	2.9	17 38 31.934	02.29	35	...	+ 2.9651	+ .0027	- 26	+ 4 36 32.48	02.99	34	...	- 1.875	+ .430	+ 158
1512	2230	...	3 Sagittarii..... ^X	var.	41 15.947	00.65	10	...	3.7744	.0045	+ 2	-27 47 33.31	00.65	10	...	1.637	.549	- 15
1513	2237	1137	86 Herculis.....	3.5	42 32.641	02.13	37	...	2.3704	.0038	- 239	+27 46 44.94	02.52	31	...	1.525	.338	- 749
1514	2236	1138	62 Ophiuchi..... ⁷	3.7	42 52.680	06.98	2	...	+ 3.0084	.0029	- 16	+ 2 44 42.84	06.98	2	...	1.496	+ .438	- 73
1515	2251	1140	31 Draconis..... ¹	4.9	43 42.983	03.02	3	3	- 1.0792	.0195	+ 21	+72 11 52.75	02.80	5	5	1.423	- .156	- 268
1516	2239	1141	87 Herculis.....	5.3	17 44 45.808	07.56	1	...	+ 2.4318	+ .0025	- 4	+25 39 21.08	07.56	1	...	- 1.332	+ .354	- 46
1517	2244	1142	88 Herculis..... ²	6.4	47 26.342	06.99	2	...	1.5682	.0031	+ 14	+48 25 18.40	06.99	2	...	1.098	.229	+ 20
1518	2245	1143	Bradley 2245.....	6.1	48 49.354	07.52	1	...	+ 1.9521	.0025	+ 1	+40 0 13.11	06.99	2	...	0.977	+ .285	+ 57
1519	...	...	Lalande 33054.....	7.5	49 49.938	04.53	1	...	- 1.3398	.0126	...	+73 9 42.32	04.53	2	...	0.889	- .195	...
1520	...	...	Mayer 722.....	6.4	50 2.063	02.03	15	...	+ 3.5265	.0028	+ 19	-18 47 3.41	02.03	15	...	0.871	+ .515	- 4
1521	2249	1145	89 Herculis.....	5.5	17 51 23.115	02.23	34	...	+ 2.4191	+ .0023	+ 13	+26 3 57.16	04.02	20	...	- 0.753	+ .353	+ 6
1522	2263	1146	32 Draconis..... ³	3.9	51 47.864	02.04	5	1	1.0244	.0034	+ 131	+56 53 18.48	01.98	5	1	0.717	.153	+ 76
1523	2256	1147	91 Herculis..... ⁰	4.0	52 49.414	03.63	4	...	2.0561	.0025	+ 6	+37 15 49.32	03.63	4	...	0.628	.300	+ 4
1524	2250	1148	64 Ophiuchi..... ⁴	3.5	53 31.312	02.99	6	...	3.3022	.0025	- 7	- 9 45 40.89	02.65	7	...	0.567	.481	- 120
1525	2258	1149	92 Herculis..... ³	3.8	53 52.713	06.21	1	...	+ 2.3239	.0023	+ 72	+29 15 31.39	06.21	1	...	0.535	+ .341	- 18
1526	2287	1150	35 Draconis.....	5.0	17 53 55.608	05.38	...	4	- 2.7035	+ .0079	+ 121	+76 58 34.11	05.35	2	7	- 0.531	- .390	+ 243
1527	...	...	Mayer 727.....	6.5	54 3.345	05.31	1	...	+ 3.5674	.0024	+ 16	-20 19 53.14	05.31	1	...	0.520	+ .521	- 25
1528	2267	1151	33 Draconis..... ⁷	2.4	54 16.936	01.76	2	1	1.3927	.0031	- 6	+51 30 1.46	02.29	2	1	0.500	.203	- 24
1529	2259	1152	67 Ophiuchi.....	3.9	55 38.189	02.45	7	...	3.0038	.0021	+ 8	+ 2 56 10.96	02.45	7	...	0.382	.438	- 13
1530	2265	1155	69 Ophiuchi..... ⁷	5.3	57 38.163	07.18	3	...	3.2645	.0020	+ 42	- 8 10 46.78	07.18	3	...	0.207	.477	- 42
1531	2266	1158	10 Sagittarii..... ²	3.1	17 59 23.090	08.59	2	...	+ 3.8572	+ .0020	- 56	-30 25 28.68	08.59	2	...	- 0.054	+ .561	- 198
1532	...	...	Mayer 734.....	6.2	18 1 11.485	00.62	5	...	3.5976	.0015	+ 6	-21 27 13.94	00.62	5	...	+ 0.104	.525	- 3
1533	...	...	Cor. Z.C. XVIII. 11.	8.2	1 41.103	01.00	5	...	3.6427	.0014	...	-23 6 57.52	01.00	5	...	0.147	.531	...
1534	2275	1160	72 Ophiuchi.....	3.7	2 36.526	03.82	18	...	2.8475	.0017	- 45	+ 9 32 57.72	04.00	6	...	0.228	.414	+ 87
1535	2281	1161	103 Herculis..... ^o	3.8	3 38.484	00.68	1	...	2.3393	.0021	- 2	+28 44 55.63	00.68	1	...	0.318	+ .341	+ 2
1536	2395	1164	23 Ursæ Minoris..... ⁸	4.4	18 4 (33)	...	...	...	-19.5068	- .1432	+ 19	+86 36 47.62	02.94	82	67	+ 0.398	- 2.837	+ 47
1537	...	...	Oeltz. Arg. (S.) 17753	8.0*	4 42.187	01.40	5	...	+ 3.6192	+ .0011	...	-22 15 28.75	01.40	5	...	0.411	+ .528	...
1538	2276	...	1 Sagittarii.....	5.1	5 37.247	01.40	5	...	+ 3.6594	+ .0009	+ 18	-23 43 17.07	01.40	5	...	0.492	+ .534	- 43
1539	2318	1165	40 Draconis.....	6.2	7 31.641	06.43	1	...	- 4.4937	- .0222	+ 192	+79 59 17.43	06.43	1	...	0.658	- .649	+ 120
1540	2321	...	41 Draconis.....	5.8	7 37.897	06.43	1	...	- 4.4961	- .0223	+ 173	+79 59 29.10	06.43	1	...	0.667	- .650	+ 114
1541	2284	1166	13 Sagittarii..... ⁴	4.0	18 7 46.977	03.98	9	...	+ 3.5873	+ .0007	- 4	-21 5 5.94	02.86	8	...	+ 0.681	+ .522	- 2
1542	2417	1167	24 Ursæ Minoris.....	5.9	7 47.860	07.98	...	4	-22.3638	- .2908	+ 686	+86 59 37.85	06.62	4	4	0.682	- 3.238	+ 6
1543	2286	...	14 Sagittarii.....	5.7	8 15.478	02.54	6	...	+ 3.6049	+ .0006	- 12	-21 44 23.35	02.54	6	...	0.722	+ .525	- 23
1544	2289	...	16 Sagittarii.....	6.0	9 16.025	06.44	2	...	3.5694	.0005	+ 5	-20 25 3.56	06.44	2	...	0.810	.520	- 2
1545	...	...	Lalande 33516.....	7.6	10 27.626	00.89	4	...	3.6648	.0002	...	-23 56 1.65	00.87	4	...	0.915	.534	...
1546	...	...	Lalande 33590.....	8.2*	18 11 54.792	00.41	5	...	+ 3.6219	+ .0001	...	-22 22 45.04	00.41	5	...	+ 1.042	+ .527	...
1547	...	1170	Groombridge 2533..	5.4	12 32.089	06.86	4	...	1.8655	+ .0020	- 6	+42 7 30.29	06.86	4	...	1.096	.271	- 1
1548	2309	1171	36 Draconis.....	5.0	13 19.213	05.15	...	6	0.2922	- .0007	+ 535	+64 21 48.20	05.16	...	6	1.165	.058	+ 24
1549	2294	1173	19 Sagittarii..... ⁸	2.8	14 35.627	04.93	3	...	3.8384	.0008	+ 23	-29 52 14.44	04.93	3	...	1.276	.559	- 34
1550	...	...	Lacaille 7686.....	7.1	15 59.326	99.62	5	...	3.6374	- .0005	+ 13	-22 58 2.61	99.62	5	...	1.397	.529	+ 8

1512. The limits of magnitude are 4.4 and 5.0: period 7^d0+.

ALTAZIMUTH CATALOGUE, 1900'0.

No.	No. in Auwers' Bradley, 1755.	No. in Newcomb's Fundamental Catalogue, 1900.	Star's Name.	Magnitude.	Mean R.A., 1900'0.	Mean Date.	No. of Obs.		Annual Precession, 1900'0.	Secular Variation, 1900'0.	Annual Proper Motion in Units of ''0001.	Mean Declination, 1900'0.	Mean Date.	No. of Obs.		Annual Precession, 1900'0.	Secular Variation, 1900'0.	Annual Proper Motion in Units of ''001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1551	2298	1174	58 Serpentis.....	3'4	18 16 8'132	02'71	48	...	+ 3'1405	+ '0017	- 379	- 2 55 29'69	03'14	47	...	+ 1'410	+ '445	- 691
1552	2308	1176	Bradley 2308.....	5'7	17 58'359	05'70	1	...	2'5004	+ '0016	- 2	+23 14 2'93	05'70	1	...	1'571	'362	+ 85
1553	2303	...	21 Sagittarii.....	5'0	19 23'722	07'11	2	...	3'5728	- '0007	0	-20 35 43'00	07'11	2	...	1'695	'518	- 24
1554	2311	1178	109 Herculis.....	3'9	19 26'188	04'59	2	...	2'5418	+ '0021	+ 138	+21 43 27'42	04'59	2	...	1'698	'373	- 262
1555	2315	1181	2 Lyrae.....	5'0	20 56'050	06'65	1	...	1'9771	+ '0018	- 21	+39 27 9'17	06'65	1	...	1'829	'286	- 6
1556	2310	1182	22 Sagittarii.....	2'9	18 21 47'953	02'41	26	...	+ 3'7063	- '0012	- 34	-25 28 36'49	03'47	17	...	+ 1'904	+ '536	- 199
1557	2334	1183	43 Draconis.....	4'2	22 11'436	06'11	...	1	- 0'8541	'0113	- 16	+71 17 4'02	06'11	...	1	1'938	- '125	+ 24
1558	...	...	Radcliffe 3961.....	7'5	22 26'499	07'67	1	1	- 5'7561	'0876	+ 150	+81 25 58'55	07'62	2	1	1'961	- '836	+ 33
1559	2328	1184	39 Draconis.....	4'9	22 26'909	02'82	2	4	+ 0'8811	'0008	- 18	+58 44 34'05	02'37	2	4	1'961	+ '127	+ 57
1560	2337	1185	44 Draconis.....	3'7	22 51'588	02'78	5	6	- 1'1944	'0085	+1172	+72 41 22'39	02'99	8	12	1'996	- '141	- 375
1561	...	...	Mayer 748.....	5'8	18 24 19'198	06'66	1	...	+ 3'5245	- '0010	+ 41	-18 47 32'16	06'66	1	...	+ 2'123	+ '511	- 72
1562	2317	1187	60 Serpentis.....	5'4	24 28'693	05'70	1	...	3'1199	+ '0004	+ 15	- 2 2 59'97	07'67	11	...	2'137	'452	- 35
1563	2330	1189	1 Aquilae.....	4'1	29 45'976	05'69	9	...	3'2660	- '0001	- 14	- 8 18 50'30	06'17	11	...	2'596	'471	- 315
1564	2335	...	Bradley 2335.....	5'9	32 55'641	00'52	9	...	3'5836	- '0022	- 56	-21 8 3'49	00'63	8	...	2'870	'514	- 138
1565	2341	1193	3 Lyrae.....	0'1	33 33'130	03'06	41	...	2'0135	+ '0010	+ 178	+38 41 25'83	03'72	25	...	2'925	'294	+ 280
1566	...	1195	Piazzi XVIII. 173...	6'0	18 35 54'545	07'36	...	4	+ 0'1891	- '0086	- 12	+65 23 56'90	07'45	...	3	+ 3'128	+ '026	+ 95
1567	2342	1196	2 Aquilae.....	4'7	36 47'929	02'01	42	...	3'2848	'0011	+ 20	- 9 8 53'40	02'20	44	...	3'205	'472	- 6
1568	2344	1199	27 Sagittarii.....	3'3	39 24'630	05'84	5	...	3'7460	- '0044	+ 34	-27 5 35'28	05'84	5	...	3'430	'538	- 6
1569	2355	1200	4 Lyrae.....	4'7	41 1'644	06'66	1	...	1'9857	+ '0012	+ 3	+39 33 55'79	06'66	1	...	3'569	'283	+ 55
1570	2351	1202	110 Herculis.....	4'3	41 21'491	01'42	10	...	2'5821	+ '0017	- 20	+20 27 2'31	01'86	13	...	3'598	'368	- 344
1571	2350	1204	6 Aquilae.....	4'5	18 41 52'056	08'65	1	...	+ 3'1840	- '0010	- 9	- 4 51 19'75	08'65	1	...	+ 3'642	+ '455	- 23
1572	2354	1205	111 Herculis.....	4'4	42 36'354	06'73	1	...	2'6438	+ '0009	+ 39	+18 4 (12)	...	...	...	3'705	'378	+ 102
1573	2352	...	29 Sagittarii.....	5'4	43 44'146	06'13	2	...	3'5613	- '0036	+ 5	-20 26 16'74	06'13	2	...	3'802	'508	+ 30
1574	...	1207	Groombridge 2671...	5'8	44 29'046	08'38	1	1	+ 1'3398	'0008	+ 39	+52 52 40'20	08'47	1	1	3'867	+ '191	+ 4
1575	...	...	Lalande 35357.....	7'4	44 37'529	07'52	1	...	- 1'8879	'0472	+ 100	+75 11 36'51	07'52	2	...	3'879	- '272	+ 90
1576	...	...	B. D. - 20° 5286...	6'9	18 45 4'041	05'69	1	...	+ 3'5600	- '0040	...	-20 24 38'62	05'69	1	...	+ 3'917	+ '508	...
1577	...	...	W.B.(2) XVIII. 1330	8'2*	45 7'694	08'53	1	...	2'2145	+ '0014	...	+33 12 20'93	08'53	1	...	3'921	'315	...
1578	2369	1209	10 Lyrae.....	8'1 var.	46 23'262	02'67	37	...	2'2141	+ '0014	+ 4	+33 14 46'81	02'88	16	...	4'030	'315	- 5
1579	2365	1211	34 Sagittarii.....	2'1	49 3'981	08'22	2	...	+ 3'7212	- '0055	- 3	-26 25 14'21	08'22	2	...	4'259	+ '528	- 75
1580	2404	1212	50 Draconis.....	5'4	49 36'031	06'02	3	1	- 1'9087	'0547	- 31	+75 18 58'34	05'13	7	3	4'305	- '274	+ 51
1581	2386	1213	47 Draconis.....	4'8	18 49 43'521	01'54	6	2	+ 0'8772	- '0046	+ 116	+59 15 58'55	01'70	6	3	+ 4'316	+ '126	+ 23
1582	...	...	Lalande 35272.....	8'2*	50 43'158	03'60	2	...	2'9779	'0003	...	+ 4 8 23'72	03'60	4	...	4'400	'422	...
1583	2376	1215	63 Serpentis.....	4'5	51 15'026	05'32	3	...	2'9795	'0005	+ 27	+ 4 4 23'54	03'96	6	...	4'446	'423	+ 28
1584	2377	...	Bradley 2377.....	5'4	51 16'335	06'64	1	...	2'9795	'0005	+ 29	+ 4 4 19'49	06'64	1	...	4'448	'423	+ 18
1585	2372	...	36 Sagittarii.....	5'1	51 23'949	05'98	3	...	3'5670	'0045	- 10	-20 47 12'29	05'98	3	...	4'458	'505	- 11
1586	2373	1216	37 Sagittarii.....	3'6	18 51 45'940	07'63	2	...	+ 3'5785	- '0046	+ 23	-21 14 18'35	07'63	2	...	+ 4'489	+ '507	- 23
1587	2390	1219	13 Aquilae.....	4'2	55 5'053	04'68	11	...	2'7262	+ '0006	- 42	+14 55 56'56	05'51	3	...	4'772	'383	- 81
1588	2392	1220	14 Lyrae.....	3'3	55 12'201	01'64	1	...	2'2438	+ '0013	- 6	+32 33 7'37	01'64	1	...	4'782	'315	- 6
1589	2393	...	39 Sagittarii.....	3'9	18 58 41'537	08'16	2	...	3'5918	- '0055	+ 50	-21 53 17'47	08'16	2	...	5'078	'506	- 64
1590	2405	1226	17 Aquilae.....	3'0	19 0 48'867	02'15	20	...	2'7576	+ '0004	- 8	+13 42 52'97	01'88	15	...	5'257	'385	- 99
1591	2401	1227	16 Aquilae.....	3'6	19 0 56'601	02'06	3	...	+ 3'1859	- '0021	- 20	- 5 1 57'57	02'73	4	...	+ 5'268	+ '445	- 83
1592	2414	1230	18 Lyrae.....	5'1	3 44'012	05'27	3	...	2'1406	+ '0012	+ 5	+35 56 36'20	05'39	4	...	5'503	'298	- 7
1593	2406	1231	41 Sagittarii.....	3'0	3 49'043	04'23	2	...	3'5703	- '0060	- 5	-21 10 57'04	04'23	2	...	5'510	'498	- 36
1594	...	...	Mayer 789.....	6'3	3 54'306	06'73	1	...	3'5390	- '0056	+ 19	-19 57 40'10	06'73	1	...	5'518	'494	- 50
1595	2422	1234	19 Lyrae.....	5'8	7 55'898	06'21	2	...	2'3008	+ '0012	- 5	+31 6 59'16	06'21	2	...	5'855	'318	- 6
1596	2419	1235	21 Aquilae.....	5'1	19 8 40'202	08'65	1	...	+ 3'0250	- '0015	- 1	+ 2 7 23'42	08'65	1	...	+ 5'917	+ '419	+ 3
1597	2443	1236	55 Draconis.....	6'2	9 23'405	07'90	1	2	0'2324	'0176	- 10	+65 48 39'77	08'00	1	2	5'977	'030	+ 19
1598	2418	1237	42 Sagittarii.....	4'9	9 24'603	03'21	25	...	+ 3'6789	'0080	+ 25	-25 25 43'92	02'95	16	...	5'979	+ '510	- 35
1599	...	...	Lalande 36519.....	7'4	11 17'805	04'68	1	2	- 0'8608	'0444	...	+72 4 28'60	04'46	1	1	6'136	- '122	...
1600	2423	1239	43 Sagittarii.....	5'0	11 47'117	06'73	3	...	+ 3'5134	'0062	- 15	-19 7 51'01	06'73	3	...	6'177	+ '484	- 17

1569. Preceding star of pair.

1578. The limits of magnitude are 3'4 and 4'1: period 12^d9^h+

1924GOAMM. No.	No. in Answers' Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R.A., 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Preces- sion, 1900.0.	Secular Vari- ation, 1900.0.	Annual Proper Motion in Units of "001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1601	2449	1240	57 Draconis.....	3.2	19 12 31.953	02.52	4	8	+ 0.0083	- .0235	+ 176	+67 29 8.57	03.19	4	8	+ 6.239	+ .003	+ 88
1602	2466	...	59 Draconis.....	5.1	12 (50)	...	...	...	- 2.1728	- .0897	+ 132	+76 23 39.77	04.72	2	...	6.265	- .300	- 127
1603	2438	1241	21 Lyrae.....	4.5	12 53.795	99.69	1	...	+ 2.0821	+ .0010	- 15	+37 57 18.66	99.69	1	...	6.269	+ .285	+ 6
1604	2432	1242	25 Aquilae.....	5.1	13 7.362	02.58	27	...	+ 2.8161	- .0004	- 2	+11 24 53.78	03.06	27	...	6.288	- .387	+ 14
1605	...	...	Piazz XIX. 99.....	6.8	13 55.346	08.61	1	...	0.0951	.0217	...	+66 56 19.62	08.61	1	...	6.354	.010	...
1606	2447	1243	1 Cygni.....	4.0	19 14 47.526	02.16	2	1	+ 1.3811	- .0030	+ 72	+53 11 2.08	01.18	2	1	+ 6.427	+ .190	+ 121
1607	...	1246	Groombridge 2812...	6.7	15 37.390	08.65	1	...	2.0048	+ .0008	+ 2	+40 10 31.70	08.65	1	...	6.496	.274	+ 8
1608	2434	...	44 Sagittarii.....	4.0	15 52.487	08.38	1	...	3.4839	- .0063	- 20	-18 2 6.94	08.38	1	...	6.516	.477	+ 15
1609	2436	...	45 Sagittarii.....	6.0	16 0.974	05.39	1	...	+ 3.4950	.0064	+ 64	-18 29 39.10	05.39	1	...	6.528	+ .481	- 82
1610	2472	1248	60 Draconis.....	4.6	17 28.616	04.16	2	4	- 1.0958	.0589	- 310	+73 10 12.19	04.02	2	4	6.649	- .162	+ 110
1611	2452	1250	31 Aquilae.....	5.2	19 20 12.063	06.63	1	...	+ 2.8117	- .0012	+ 495	+11 43 48.95	06.63	1	...	+ 6.873	+ .366	+ 634
1612	2448	...	50 Sagittarii.....	5.6	20 21.368	06.66	1	...	3.5788	.0081	+ 19	-21 58 29.13	06.66	1	...	6.886	.488	+ 1
1613	2451	1251	30 Aquilae.....	3.4	20 27.397	01.95	15	...	+ 3.0084	- .0019	+ 168	+ 2 54 55.55	03.55	10	...	6.894	+ .414	+ 81
1614	2795	1255	Ursae Minoris.....	6.6	22 (29)	...	...	...	-67.7177	-26.8731	-1046	+88 59 15.67	01.85	78	46	7.060	-9.267	+ 9
1615	2464	1256	4 Cygni.....	5.2	22 32.904	06.65	1	...	+ 2.1597	+ .0011	- 4	+36 7 1.49	06.65	1	...	7.066	+ .291	+ 13
1616	2467	1257	6 Vulpeculae.....	4.6	19 24 32.655	03.86	12	...	+ 2.5052	+ .0010	- 97	+24 27 44.51	05.30	13	...	+ 7.229	+ .335	- 109
1617	...	...	Mayer 810.....	6.0	24 57.959	07.56	1	...	3.5635	- .0083	+ 26	-21 31 12.86	07.56	1	...	7.263	.482	- 28
1618	2473	1259	6 Cygni.....	3.2	26 41.260	05.62	5	...	2.4189	+ .0010	- 2	+27 44 58.25	05.29	6	...	7.403	.325	- 10
1619	...	...	B. D. + 7° 4116....	7.0	27 9.431	05.69	1	...	+ 2.9138	- .0012	...	+ 7 16 (36)	...	...	...	7.442	+ .392	...
1620	...	1261	Groombridge 2900....	6.0	27 45.100	05.17	...	2	- 3.5535	- .1962	+ 108	+79 24 9.40	05.17	...	2	7.490	- .481	- 23
1621	2480	1263	8 Cygni.....	4.9	19 28 3.326	08.22	2	...	+ 2.2290	+ .0011	+ 3	+34 14 24.48	08.22	2	...	+ 7.514	+ .298	+ 9
1622	2479	1264	38 Aquilae.....	4.7	29 12.286	02.68	21	...	2.9169	- .0012	+ 145	+ 7 9 59.62	02.68	15	...	7.607	.394	- 147
1623	...	...	Mayer 814.....	6.1	30 36.406	05.39	1	...	3.4988	.0080	+ 3	-19 4 26.16	05.39	1	...	7.721	.467	- 9
1624	2478	1265	52 Sagittarii.....	4.7	30 37.399	04.35	12	...	+ 3.6502	.0104	+ 45	-25 6 15.07	05.41	7	...	7.722	+ .489	- 27
1625	...	...	Lalande 37418.....	7.8	31 13.531	04.10	...	1	- 0.7317	.0539	...	+72 3 24.81	04.10	...	1	7.792	- .102	...
1626	2482	1266	39 Aquilae.....	5.0	19 31 30.726	05.21	4	...	+ 3.2290	- .0045	+ 5	- 7 14 59.92	04.91	5	...	+ 7.794	+ .431	+ 2
1627	2489	1267	4 Sagittae.....	5.7	32 45.794	06.96	3	...	2.7145	.0001	+ 11	+16 14 17.30	06.89	4	...	7.894	.361	+ 4
1628	2498	1269	13 Cygni.....	4.6	33 45.582	03.05	7	1	1.6116	.0023	- 23	+49 59 22.39	02.83	7	1	7.974	.212	+ 251
1629	2486	...	53 Sagittarii.....	6.2	33 48.946	08.16	4	...	3.6094	.0101	- 4	-23 39 17.90	08.16	4	...	7.979	.479	- 37
1630	2488	...	Bradley 2488.....	6.1	34 6.550	08.01	3	...	3.6092	.0101	+ 18	-23 39 26.58	08.01	3	...	8.002	.479	- 31
1631	2490	1271	54 Sagittarii.....	5.5	19 34 59.741	03.08	16	...	+ 3.4352	- .0074	+ 46	-16 31 20.98	04.04	15	...	+ 8.073	+ .456	- 47
1632	2499	1273	6 Sagittae.....	4.5	36 33.434	04.75	1	...	2.6938	+ .0001	+ 1	+17 14 39.62	04.75	1	...	8.198	.355	- 32
1633	2494	1274	55 Sagittarii.....	5.1	36 (48)	...	...	...	+ 3.4302	- .0076	+ 41	-16 21 31.53	06.63	1	...	8.218	+ .454	- 15
1634	...	...	Groombridge 2930...	7.1	37 15.921	05.21	...	2	- 1.2171	- .0788	+ 60	+74 9 0.59	04.93	2	2	8.255	- .166	+ 14
1635	2508	1277	10 Vulpeculae.....	5.5	39 33.463	06.55	2	...	+ 2.4933	+ .0009	+ 7	+25 31 57.52	07.00	6	...	8.437	+ .326	+ 18
1636	2504	1280	56 Sagittarii.....	5.1	19 40 31.819	06.66	3	...	+ 3.5128	- .0091	- 99	-20 0 5.12	06.66	3	...	+ 8.514	+ .457	- 88
1637	2511	1282	50 Aquilae.....	2.8	41 30.339	02.19	32	...	2.8514	- .0011	+ 7	+10 22 10.14	02.97	28	...	8.591	.372	- 3
1638	2520	1283	18 Cygni.....	3.0	41 50.938	05.37	6	...	1.8705	+ .0001	+ 55	+44 53 11.85	05.37	6	...	8.619	.244	+ 44
1639	2516	1284	7 Sagittae.....	3.8	42 55.694	00.77	1	...	2.6745	.0001	+ 4	+18 17 13.93	00.77	1	...	8.704	.348	+ 17
1640	2523	1285	8 Sagittae.....	5.0	44 32.235	05.68	1	...	2.6618	+ .0002	+ 32	+18 53 28.76	05.68	1	...	8.830	.345	+ 25
1641	2524	1286	53 Aquilae.....	0.9	19 45 54.251	02.07	34	...	+ 2.8913	- .0019	+ 361	+ 8 36 14.97	03.93	27	...	+ 8.937	+ .383	+ 378
1642	2522	...	57 Sagittarii.....	6.0	46 23.327	05.46	1	...	3.4908	.0094	+ 1	-19 17 56.55	05.46	1	...	8.975	.451	- 57
1643	...	...	Lalande 37813.....	6.3	48 18.485	08.76	1	...	+ 3.6069	.0112	- 95	-24 11 23.19	08.76	1	...	9.125	+ .462	- 438
1644	2554	1290	63 Draconis.....	4.0	48 30.769	04.20	3	6	- 0.1979	.0441	+ 170	+70 0 48.20	04.90	3	12	9.141	- .025	+ 27
1645	2538	1292	60 Aquilae.....	3.9	50 24.076	02.86	35	...	+ 2.9446	.0015	+ 24	+ 6 9 24.89	03.67	25	...	9.288	+ .377	- 481
1646	2540	1294	61 Sagittarii.....	5.1	19 52 16.837	07.26	2	...	+ 3.4051	- .0084	+ 4	-15 45 24.23	07.26	2	...	+ 9.433	+ .434	- 81
1647	2556	1295	24 Cygni.....	4.8	53 2.612	03.06	4	3	1.5562	- .0026	- 43	+52 10 23.98	02.96	4	4	9.492	.195	- 34
1648	2550	1297	12 Sagittae.....	3.7	54 18.593	05.06	3	...	2.6632	+ .0002	+ 41	+19 13 13.69	05.20	10	...	9.589	.338	+ 25
1649	2549	1299	62 Sagittarii.....	4.6	56 30.671	03.21	6	...	3.6928	- .0148	+ 23	-27 59 15.99	06.20	2	...	9.758	.467	+ 13
1650	2558	1300	15 Vulpeculae.....	4.7	56 58.938	06.63	1	...	2.4659	+ .0012	+ 45	+27 28 37.18	07.98	3	...	9.794	.311	+ 12

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Auwers' Bradley. 1755.	No. in Newcomb's Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A., 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1651	...	...	Mayer 837.....	6.5	h m s 19 57 48.875	08.68	1	...	+ 3.5634	-.0121	- 19	-22 52 34.94	08.68	1	...	+ 9.857	+ .448	+ 53
1652	2564	1304	63 Aquilæ.....	5.7	19 59 15.268	06.55	4	...	+ 2.9301	.0021	+ 10	+ 6 59 44.26	06.55	4	...	+ 9.967	+ .367	+ 29
1653	...	...	Oeltz, Arg. (N.) 20021-2.	7.9	20 1 3.201	06.51	2	2	- 0.4018	.0597	...	+71 37 13.96	06.57	2	2	10.102	-.056	...
1654	2604	...	69 Draconis.....	6.4	2 25.132	05.21	...	3	- 1.6116	.1278	- 61	+76 12 9.17	05.21	...	4	10.207	-.208	- 55
1655	2576	1308	65 Aquilæ.....	3.4	6 8.754	02.63	26	...	+ 3.0946	.0043	+ 20	- 1 7 5.25	03.40	25	...	+ 10.485	+ .381	+ 6
1656	2590	1311	67 Aquilæ.....	5.0	20 9 39.102	06.66	1	...	+ 2.7723	-.0005	+ 41	+14 53 35.36	06.66	2	...	+ 10.745	+ .338	+ 61
1657	2610	1312	68 Draconis.....	5.7	9 56.627	08.35	1	1	0.9720	-.0141	+ 183	+61 46 32.61	08.45	1	1	10.767	.120	+ 70
1658	2601	1313	30 Cygni.....	5.0	10 9.437	06.73	2	...	1.8846	+ .0004	+ 18	+46 30 46.31	06.73	2	...	10.783	.227	- 12
1659	2603	1314	31 Cygni.....	4.0	10 28.932	01.78	4	...	1.8887	+ .0004	+ 14	+46 26 15.99	01.78	4	...	10.807	.228	+ 5
1660	2593	1316	5 Capricorni.....	4.6	12 6.353	02.93	10	...	3.3273	-.0085	+ 9	-12 49 1.32	03.03	6	...	10.926	.402	+ 5
1661	2591	1317	4 Capricorni.....	6.0	20 12 9.054	08.68	2	...	+ 3.5277	-.0128	+ 12	-22 7 7.01	08.68	2	...	+ 10.929	+ .427	- 33
1662	2632	1318	1 Cephei.....	4.4	12 15.782	03.86	1	...	- 1.9426	-.1676	+ 25	+77 24 37.25	06.79	1	2	10.938	-.242	+ 26
1663	2606	1319	24 Vulpeculæ.....	5.5	12 30.365	99.69	6	...	+ 2.5655	+ .0011	+ 17	+24 21 46.98	99.69	3	...	10.955	+ .309	- 12
1664	2595	1320	6 Capricorni.....	3.8	12 30.426	01.45	16	...	3.3278	-.0086	+ 40	-12 51 17.43	02.06	18	...	10.956	.403	+ 8
1665	2597	...	7 Capricorni.....	5.5	13 37.501	06.66	3	...	+ 3.4659	.0115	- 2	-19 25 50.09	06.66	3	...	11.037	+ .417	- 6
1666	...	...	B. D. + 76° 785....	9.0†	20 13 50.784	06.85	1	...	- 1.7270	-.1534	+ 340	+76 55 14.25	06.85	1	...	+ 11.052	-.217	+ 520
1667	...	...	Groombridge 3147....	7.1	14 13.389	04.08	...	1	- 0.4793	.0717	- 65	+72 35 25.41	04.08	...	1	11.080	-.063	+ 17
1668	2609	1321	9 Capricorni.....	3.3	15 23.629	02.40	19	...	+ 3.3718	-.0096	+ 30	-15 5 50.07	02.23	13	...	11.166	+ .404	+ 7
1669	...	1323	Groombridge 3140....	6.1	16 37.807	06.25	2	...	2.1740	+ .0019	+ 16	+39 5 14.64	06.25	2	...	11.256	.258	+ 10
1670	2624	1325	37 Cygni.....	2.3	18 38.333	04.28	12	...	2.1520	+ .0019	+ 4	+39 56 10.84	03.49	9	...	11.401	.253	+ 1
1671	2623	1328	10 Capricorni.....	5.2	20 21 35.897	06.64	7	...	+ 3.4377	-.0116	+ 4	-18 32 22.24	06.63	6	...	+ 11.613	+ .404	- 3
1672	2626	1329	11 Capricorni.....	5.0	23 9.477	02.55	23	...	3.4276	.0115	- 13	-18 8 39.98	02.95	12	...	11.724	.400	- 20
1673	...	...	Mayer 863.....	6.7	23 17.540	04.73	1	...	3.4195	-.0114	+ 7	-17 45 (57)	...	...	...	11.734	.401	- 38
1674	2634	1330	40 Cygni.....	5.5	23 51.966	06.63	1	...	2.2238	+ .0023	- 16	+38 6 40.91	06.63	1	...	11.774	.257	- 59
1675	2630	...	12 Capricorni (Comes) o	6.6	24 (8)	...	...	...	3.4428	-.0119	+ 11	-18 55 2.40	06.66	1	...	11.794	.401	- 81
1676	2631	...	12 Capricorni.....	6.1	20 24 (10)	...	...	...	+ 3.4426	-.0119	+ 11	-18 54 49.88	06.66	1	...	+ 11.795	+ .401	- 81
1677	2633	1331	69 Aquilæ.....	5.1	24 25.498	07.63	1	...	+ 3.1331	.0054	+ 44	- 3 13 5.50	07.63	1	...	11.813	+ .365	- 1
1678	...	...	Lalande 39736.....	8.0	24 50.200	06.61	3	1	- 1.1631	-.1250	...	+75 42 58.67	06.62	4	1	11.842	-.144	...
1679	2637	1332	41 Cygni.....	4.1	25 18.663	06.73	1	...	+ 2.4498	+ .0020	+ 14	+30 2 6.00	06.73	1	...	11.876	+ .283	- 2
1680	2640	1333	42 Cygni.....	5.9	25 31.559	04.87	1	...	2.2871	+ .0023	+ 7	+36 7 13.50	04.87	1	...	11.891	.264	+ 2
1681	2651	1336	2 Cephei.....	4.3	20 27 54.235	02.78	8	2	+ 1.0075	-.0152	+ 65	+62 39 28.72	03.01	8	3	+ 12.058	+ .114	- 18
1682	2642	1337	2 Delphini.....	4.0	28 26.147	02.45	29	...	2.8659	-.0013	+ 7	+10 57 47.87	03.20	24	...	12.095	.328	- 25
1683	...	...	B. D. + 32° 3860....	7.5*	29 20.483	06.85	1	...	2.3811	+ .0024	...	+33 2 41.86	06.85	1	...	12.157	.272	...
1684	...	...	Mayer 870.....	6.2	29 52.770	06.66	2	...	+ 3.3940	-.0112	+ 55	-16 52 8.59	06.66	2	...	12.195	+ .389	- 33
1685	2673	1340	Bradley 2673.....	6.4	30 26.728	06.36	3	2	- 0.2238	.0680	- 47	+72 11 34.61	06.25	4	2	12.234	-.032	- 18
1686	2648	1342	4 Delphini.....	4.7	20 30 38.032	07.66	3	...	+ 2.8021	-.0005	+ 29	+14 19 44.68	07.66	3	...	+ 12.248	+ .319	+ 3
1687	2682	1343	73 Draconis.....	5.2	32 50.037	03.30	8	6	- 0.7433	.1022	+ 28	+74 36 43.36	04.19	12	7	12.399	-.090	- 11
1688	2656	1344	6 Delphini.....	3.7	32 51.610	04.12	5	...	+ 2.8057	.0004	+ 82	+14 14 49.41	04.90	6	...	12.401	+ .318	- 35
1689	2701	...	Bradley 2701.....	6.9	33 9.414	05.13	...	1	- 3.6222	.3970	+ 178	+81 5 40.76	05.13	...	1	12.422	-.416	+ 5
1690	2667	...	Bradley 2667.....	5.9	34 26.630	00.50	4	...	+ 2.7830	.0001	- 1	+15 29 (12)	...	...	...	12.510	+ .312	- 25
1691	...	...	75 Draconis.....	5.6	20 34 31.690	05.13	...	1	- 3.5798	-.3968	+ 122	+81 4 49.04	05.13	...	1	+ 12.515	-.410	+ 13
1692	...	...	Mayer 877.....	5.9	34 55.437	06.81	1	...	+ 3.3808	.0113	- 32	-16 28 47.40	06.81	1	...	12.543	+ .378	+ 82
1693	2670	1349	9 Delphini.....	3.9	34 59.588	02.62	39	...	2.7821	.0001	+ 47	+15 33 32.86	01.67	23	...	12.547	.312	+ 17
1694	...	...	Lalande 39922.....	8.5*	36 6.181	04.66	1	...	3.2099	-.0071	...	- 7 33 3.51	04.66	1	...	12.622	.357	...
1695	2679	1352	50 Cygni.....	1.3	38 1.290	04.25	9	...	2.0440	+ .0022	+ 4	+44 55 22.60	04.70	9	...	12.753	.225	- 2
1696	2678	1353	11 Delphini.....	4.5	20 38 47.394	08.69	1	...	+ 2.8023	-.0002	- 15	+14 42 56.99	08.69	1	...	+ 12.805	+ .309	- 50
1697	...	...	Lalande 40304-5....	7.1	40 10.210	06.62	1	2	- 1.1811	.1450	...	+76 28 30.66	06.50	3	2	12.897	-.139	...
1698	2676	1354	16 Capricorni.....	4.3	40 10.604	03.38	3	...	+ 3.5632	.0167	- 41	-25 37 49.68	03.38	3	...	12.898	+ .391	- 148
1699	2677	...	17 Capricorni.....	5.9	40 22.244	08.71	3	...	3.4829	.0145	+ 11	-21 52 38.90	08.71	3	...	12.911	.383	- 14
1700	...	...	B. D. - 17° 6077....	9.5*	40 36.555	06.81	2	...	3.3971	.0121	...	-17 38 31.13	06.81	2	...	12.927	.372	...

No. in Auwers' Bradley.	No. in Newcomb's Fundamental Catalogue.	Star's Name.	Magnitude.	Mean R.A., 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of "001.
						Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1701	...	W. B. XX. 994	9.1*	20 41 14.809	07.79	1	...	+ 3.2506	- .0085	...	- 9 54 36.14	08.82	1	...	+12.969	+ .355	...
1702	2685	12 Delphini.....	5.5	42 0.421	07.63	1	...	2.7855	+ .0002	- 14	+15 45 (49)	...	...	...	13.020	.303	- 194
1703	2686	1356 12 Delphini.....	4.5	42 1.233	07.67	2	...	2.7855	.0002	- 24	+15 45 49.92	07.67	2	...	13.021	.303	- 196
1704	2689	1357 53 Cygni.....	2.6	42 9.848	02.90	4	...	2.3977	+ .0028	+ 294	+33 35 45.20	01.55	3	...	13.030	.267	+ 326
1705	2681	1358 2 Aquarii.....	3.8	42 15.822	02.64	25	...	3.2488	- .0084	+ 17	- 9 51 42.93	03.58	20	...	13.037	.355	- 30
1706	2684	1359 3 Aquarii.....	4.6	20 42 27.679	02.83	1	...	+ 3.1681	- .0065	- 6	- 5 23 38.46	05.68	2	...	+13.050	+ .345	- 37
1707	...	1360 Piazzi XX. 332	4.6	42 52.236	05.21	...	1	1.4993	.0041	- 83	+57 13 14.71	05.21	...	1	13.077	.158	- 217
1708	2698	1361 3 Cephei.....	3.6	43 15.400	05.01	8	10	1.2133	- .0145	+ 135	+61 27 0.69	05.53	8	12	13.103	.131	+ 820
1709	2692	1362 54 Cygni.....	4.5	43 30.778	07.17	2	...	2.3348	+ .0032	+ 9	+36 7 21.88	07.17	2	...	13.120	.252	- 6
1710	2693	...	6.0	44 51.846	99.79	7	...	2.8555	- .0009	+ 42	+12 10 (16)	...	...	...	13.209	.308	+ 96
1711	2696	1366 6 Aquarii.....	4.8	20 47 15.667	02.32	24	...	+ 3.2365	- .0083	+ 25	- 9 21 30.71	03.11	11	...	+13.366	+ .347	- 39
1712	...	...	7.1	47 50.385	08.11	3	...	+ 3.4241	.0134	...	-19 29 27.74	08.11	3	...	13.404	+ .365	...
1713	2754	1368 76 Draconis.....	5.7	49 50.931	04.42	4	2	- 4.0892	- .5376	+ 132	+82 9 40.43	03.75	5	4	13.533	- .443	+ 25
1714	2709	1369 32 Vulpecula.....	5.2	50 17.852	03.21	29	...	+ 2.5561	+ .0027	- 3	+27 40 38.10	04.16	36	...	13.563	+ .269	+ 5
1715	...	1370 7 Aquarii.....	5.7	51 (30)	...	...	...	3.2465	- .0087	- 6	-10 4 50.34	08.82	2	...	13.640	+ .343	- 5
1716	...	...	6.0	20 52 4.797	05.47	1	...	+ 3.3602	- .0119	+ 46	-16 24 58.79	05.47	1	...	+13.677	+ .353	+ 30
1717	2749	1371 Bradley 2749.....	5.6	52 8.219	08.28	2	...	- 2.5700	.3167	- 105	+80 10 38.88	07.78	2	2	13.681	- .282	- 25
1718	...	...	6.0	53 9.669	05.84	1	...	+ 3.3306	- .0111	...	-14 52 9.38	05.84	1	...	13.746	+ .348	...
1719	2724	1373 58 Cygni.....	4.0	53 26.668	04.59	7	...	- 2.2342	+ .0038	+ 8	+40 46 55.79	04.00	8	...	13.764	.231	- 18
1720	...	...	7.8*	55 20.704	99.72	4	...	+ 2.3315	+ .0040	...	+37 32 29.16	99.72	4	...	13.884	+ .239	...
1721	2748	...	6.2	20 55 55.652	06.67	2	...	- 0.6564	- .1187	+ 136	+75 32 19.46	06.67	2	...	+13.920	- .076	+ 24
1722	2729	1377 22 Capricorni.....	4.9	58 42.951	07.63	1	...	+ 3.4229	.0142	- 26	-20 15 2.38	07.63	1	...	14.096	+ .348	- 47
1723	...	...	7.2	20 59 14.634	07.71	1	...	3.3729	.0127	...	-17 33 36.94	07.71	1	...	14.127	.344	...
1724	2733	1378 23 Capricorni.....	4.2	21 0 19.627	04.45	27	...	3.3722	- .0127	+ 51	-17 37 48.67	04.55	24	...	14.196	.342	- 67
1725	2746	1380 62 Cygni.....	3.9	1 17.545	06.74	1	...	2.1797	+ .0042	+ 9	+43 31 43.87	06.74	1	...	14.255	.218	+ 8
1726	...	...	6.0	21 2 7.706	06.74	1	...	+ 3.3744	- .0130	...	-17 51 25.62	06.74	1	...	+14.305	+ .340	...
1727	2744	1381 61 Cygni.....	5.6	2 24.828	02.45	3	...	- 2.3350	+ .0044	+3496	+38 15 27.07	02.45	3	...	14.324	.297	+3244
1728	2745	...	6.3	2 26.417	02.45	3	...	2.3352	.0044	+3511	+38 15 14.40	02.45	3	...	14.325	.297	+3073
1729	2750	1382 63 Cygni.....	4.9	3 9.333	08.74	1	...	2.0643	+ .0038	+ 39	+47 14 47.24	08.74	1	...	14.369	.205	- 8
1730	2747	1384 13 Aquarii.....	4.5	4 8.917	02.02	7	...	3.2658	- .0098	+ 57	-11 46 36.09	01.62	10	...	14.429	.326	- 6
1731	2751	1385 5 Equulei.....	4.8	21 5 28.750	08.24	2	...	+ 2.9143	- .0011	+ 37	+ 9 43 43.12	08.24	2	...	+14.510	+ .288	- 170
1732	2777	1387 Bradley 2777.....	5.9	7 30.275	02.35	6	8	- 1.1250	- .1762	+ 102	+77 43 15.32	03.26	11	17	14.632	- .116	+ 29
1733	2760	1389 64 Cygni.....	3.4	8 40.794	03.22	45	...	+ 2.5517	+ .0040	- 2	+29 49 0.06	03.84	36	...	14.702	+ .247	- 61
1734	...	...	5.7	9 15.474	06.26	...	1	1.5295	- .0042	- 2	+59 34 31.10	06.26	...	1	14.736	.145	+ 12
1735	...	...	6.1	9 31.011	07.30	2	...	+ 3.3622	- .0131	- 11	-17 45 32.06	07.30	2	...	14.751	+ .325	...
1736	...	...	7.0	21 10 5.886	05.66	2	...	- 0.2533	- .0978	+ 62	+74 49 4.59	05.66	4	...	+14.785	- .031	- 10
1737	2767	1391 65 Cygni.....	3.8	10 47.919	06.73	1	...	+ 2.3792	+ .0046	+ 141	+37 37 6.35	06.73	1	...	14.827	+ .230	+ 433
1738	2764	1392 8 Equulei.....	4.1	10 49.530	02.96	23	...	2.9963	- .0027	+ 34	+ 4 50 3.79	02.27	15	...	14.829	.288	- 85
1739	...	...	8.2*	11 46.463	07.64	1	...	2.9997	.0027	...	+ 4 49 (52)	...	...	...	14.883	.288	...
1740	2765	...	5.4	12 20.859	08.69	1	...	3.3694	- .0135	+ 15	-18 24 14.19	08.69	1	...	14.918	.322	- 2
1741	2769	1394 67 Cygni.....	4.3	21 13 29.232	03.13	4	...	+ 2.3540	+ .0053	- 1	+38 58 32.05	03.13	4	...	+14.985	+ .222	+ 3
1742	2770	1395 66 Cygni.....	4.4	13 48.419	06.77	2	...	2.4637	+ .0050	+ 4	+34 28 36.47	06.77	2	...	15.003	.232	- 21
1743	2786	1397 5 Cephei.....	2.6	16 11.567	02.91	3	6	1.4137	- .0069	+ 223	+62 9 42.44	03.16	3	8	15.141	.133	+ 49
1744	2772	1398 32 Capricorni.....	4.3	16 40.797	03.15	18	...	+ 3.3438	.0130	+ 22	-17 15 37.62	05.17	12	...	15.168	+ .313	+ 4
1745	2796	...	6.2	16 (48)	...	...	...	- 0.5908	- .1342	+ 49	+76 35 28.79	03.86	2	...	15.175	- .062	+ 10
1746	2780	1399 1 Pegasi.....	4.2	21 17 27.755	00.36	2	...	+ 2.7662	+ .0019	+ 75	+19 22 35.72	00.15	3	...	+15.213	+ .258	+ 64
1747	2778	...	5.5	18 29.381	08.69	1	...	+ 3.4095	- .0154	- 13	-21 16 37.43	08.69	1	...	15.272	+ .315	- 112
1748	...	...	7.4	19 (35)	...	...	...	-11.5201	3.2881	+ 300	+86 37 24.62	03.18	62	42	15.333	- .083	+ 29
1749	2785	1403 34 Capricorni.....	3.9	20 57.570	07.79	2	...	+ 3.4324	- .0166	+ 4	-22 50 40.13	07.79	2	...	15.411	+ .314	+ 20
1750	2791	1404 69 Cygni.....	5.8	21 41.804	06.73	1	...	2.4484	+ .0058	- 8	+36 14 7.12	06.73	1	...	15.452	.221	- 23

ALTAZIMUTH CATALOGUE, 1900.0.

No.	No. in Auwers' Bradley. 1755.	No. in Newcombs' Fundamental Catalogue. 1900.	Star's Name.	Magnitude.	Mean R. A., 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of 0.0001.	Mean Declination, 1900.0.	Mean Date.	No. of Obs.		Annual Precession, 1900.0.	Secular Variation, 1900.0.	Annual Proper Motion in Units of 0.0001.
							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1751	2790	1405	36 Capricorni.....	4.6	21 23 1.347	07.71	3	...	+ 3.4181	- 0.0163	+ 91	-22 13 32.90	07.71	3	...	+15.525	+ .310	- 18
1752	...	...	Mayer 916.....	6.5	24 22.985	07.79	1	...	3.3710	- 0.0145	+ 19	-19 35 1.86	07.79	1	...	15.600	.302	- 27
1753	2799	1406	71 Cygni.....	5.3	25 45.454	06.74	2	...	2.2067	+ 0.0064	+ 50	+46 5 58.30	06.74	2	...	15.676	.195	+ 105
1754	2797	1407	22 Aquarii.....	3.1	26 17.711	02.62	26	...	3.1598	- 0.0071	+ 12	- 6 0 40.34	03.17	24	...	15.705	.280	- 11
1755	...	...	8 Cephei.....	8.0†	27 19.846	08.76	1	...	0.7884	.0350	+ 26	+70 7 10.52	08.76	1	...	15.761	.065	+ 5
1756	2811	1409	8 Cephei.....	8.0†	21 27 22.349	04.12	4	7	+ 0.7887	- 0.0350	+ 26	+70 7 17.99	04.06	4	9	+15.763	+ .065	+ 5
1757	...	...	Lalande 42183.....	8.3	30 3.263	04.24	...	2	0.4054	- 0.0604	...	+73 2 6.58	04.24	...	2	15.906	.029	...
1758	2810	1412	73 Cygni.....	4.2	30 13.190	07.74	2	...	2.2555	+ 0.0072	- 23	+45 8 58.64	07.74	2	...	15.916	.193	- 92
1759	...	...	B. D. - 8° 5696....	8.3*	31 48.267	08.77	1	...	3.1895	- 0.0076	...	- 8 16 (2)	...	...	...	15.999	.273	...
1760	2808	1415	23 Aquarii.....	4.8	32 25.773	03.01	35	...	3.1894	- 0.0082	+ 75	- 8 18 9.72	02.95	32	...	16.033	.274	- 23
1761	2818	1416	74 Cygni.....	5.1	21 32 56.447	03.06	5	...	+ 2.4020	+ 0.0072	+ 3	+39 57 51.16	02.52	6	...	+16.060	+ .203	+ 9
1762	2817	...	25 Aquarii.....	5.3	34 28.891	99.69	5	...	3.0475	- 0.0035	- 20	+ 1 47 38.04	99.71	3	...	16.140	.256	- 83
1763	2815	1417	40 Capricorni.....	3.8	34 33.098	05.56	10	...	3.3163	- 0.0131	+ 129	-17 6 50.15	05.54	13	...	16.143	.282	- 18
1764	...	...	B. D. + 57° 2359....	8.2*	36 16.920	06.73	1	...	1.8448	+ 0.0038	...	+57 25 30.43	06.73	1	...	16.232	.151	...
1765	2821	1421	43 Capricorni.....	4.8	37 4.493	07.78	2	...	3.3460	- 0.0145	+ 94	-19 19 19.46	07.78	2	...	16.273	.280	- 6
1766	2835	1424	8 Pegasi.....	2.5	21 39 16.463	02.99	37	...	+ 2.9446	- 0.0005	+ 16	+ 9 24 59.42	04.30	25	...	+16.385	+ .241	0
1767	2848	1425	10 Pegasi.....	4.3	40 7.018	07.73	3	...	2.7121	+ 0.0047	+ 28	+25 11 7.67	07.73	5	...	16.427	.220	+ 13
1768	2856	1426	11 Cephei.....	4.9	40 27.333	06.50	1	1	0.8711	- 0.0334	+ 221	+70 51 3.37	06.54	1	1	16.444	.069	+ 93
1769	2844	1427	48 Capricorni.....	5.4	41 9.213	06.74	1	...	3.2317	.0100	+ 15	-11 49 37.89	06.74	1	...	16.479	.261	- 4
1770	2847	1428	49 Capricorni.....	3.0	41 31.361	03.18	29	...	3.2984	.0125	+ 176	-16 34 51.91	03.93	27	...	16.497	.269	- 298
1771	2861	...	78 Draconis.....	5.4	21 41 51.213	07.05	4	...	+ 0.7594	- 0.0414	- 99	+71 51 42.02	06.74	5	2	+16.514	+ .054	- 31
1772	2855	1431	81 Cygni.....	4.3	43 5.914	03.16	11	3	2.2123	+ 0.0087	+ 9	+48 50 48.18	05.96	5	3	16.575	.175	- 1
1773	2859	1432	14 Pegasi.....	5.0	45 25.230	07.41	3	...	2.6498	+ 0.0064	+ 22	+29 42 30.79	07.41	3	...	16.689	.207	- 27
1774	2860	1433	51 Capricorni.....	5.2	47 50.709	06.61	5	...	3.2543	- 0.0112	+ 204	-14 1 21.26	06.55	8	...	16.805	.255	+ 1
1775	...	...	B. F. 2988.....	6.5	48 15.349	05.85	1	...	3.2107	- 0.0093	- 1	-10 46 57.10	05.85	1	...	16.825	.247	+ 6
1776	2864	1435	16 Pegasi.....	5.1	21 48 30.696	03.19	40	...	+ 2.7271	+ 0.0054	+ 5	+25 27 16.24	04.11	34	...	+16.837	+ .209	+ 6
1777	2868	1436	Bradley 2868.....	6.9	49 44.773	06.55	2	1	2.0162	+ 0.0080	+ 29	+55 44 28.16	06.59	2	1	16.895	.151	+ 12
1778	2880	1439	79 Draconis.....	6.6	51 36.949	05.98	7	1	0.7160	- 0.0474	+ 100	+73 13 45.34	05.87	7	1	16.983	.050	+ 16
1779	...	...	W. B. XXI. 1186....	8.5*	52 44.416	99.79	6	...	2.9293	+ 0.0008	...	+11 28 (14)	...	...	...	17.034	.218	...
1780	2873	1441	12 Piscis Australis.....	5.4	55 5.703	06.73	1	...	3.4554	- 0.0217	+ 16	-28 55 58.98	06.73	1	...	17.143	.254	+ 19
1781	2875	1443	28 Aquarii.....	5.8	21 55 57.996	07.76	2	...	+ 3.0708	- 0.0038	+ 14	+ 0 7 29.27	07.76	2	...	+17.182	+ .224	0
1782	2879	1444	20 Pegasi.....	5.7	56 13.052	07.10	2	...	2.9182	+ 0.0014	+ 38	+12 38 26.63	07.10	2	...	17.193	.212	- 54
1783	...	...	Mayer 941.....	6.4	56 41.597	08.76	1	...	3.2999	- 0.0137	+ 60	-18 23 0.78	08.76	1	...	17.215	.240	- 90
1784	2897	...	Bradley 2897.....	6.6	56 53.947	04.74	1	...	0.6036	.0590	- 60	+74 31 4.68	06.30	4	...	17.223	.037	- 25
1785	2900	1445	16 Cephei.....	5.2	57 49.410	07.00	12	5	0.8912	.0371	- 150	+72 42 14.45	06.57	20	7	17.265	.056	- 167
1786	2883	1446	31 Aquarii.....	4.7	21 58 8.558	06.64	6	...	+ 3.1036	- 0.0050	+ 11	- 2 38 17.04	06.82	7	...	+17.279	+ .222	- 7
1787	2891	1448	22 Pegasi.....	4.9	22 0 38.208	07.76	1	...	3.0192	.0018	+ 70	+ 4 34 10.45	07.76	1	...	17.389	.213	+ 99
1788	2890	1449	34 Aquarii.....	3.2	0 38.910	02.86	43	...	3.0817	.0041	+ 10	- 0 48 20.36	02.97	35	...	17.389	.216	- 2
1789	2889	1450	33 Aquarii.....	4.4	1 2.264	05.79	4	...	3.2420	- 0.0111	+ 22	-14 21 17.17	06.10	6	...	17.406	.227	- 62
1790	...	...	W. B. (2) XXI. 1510	9.2*	1 36.823	99.77	1	...	2.7685	+ 0.0060	...	+24 43 (4)	...	...	...	17.431	.192	...
1791	...	...	W. B. (2) XXI. 1514	7.8*	22 1 47.257	99.78	7	...	+ 2.7697	+ 0.0060	...	+24 39 (54)	...	...	...	+17.438	+ .191	...
1792	2911	1452	20 Cephei.....	5.4	1 58.107	03.78	8	6	1.8187	.0059	+ 32	+62 17 52.21	03.94	6	8	17.447	.124	+ 51
1793	2899	1453	24 Pegasi.....	4.0	2 21.279	02.69	33	...	2.7683	.0063	+ 222	+24 51 23.85	03.45	19	...	17.463	.194	+ 20
1794	2915	1455	27 Pegasi.....	5.7	4 47.645	07.04	7	...	2.6592	+ 0.0089	- 36	+32 41 1.32	07.04	7	...	17.567	.179	- 73
1795	2914	1456	26 Pegasi.....	3.7	5 9.342	05.84	7	...	3.0082	- 0.0011	+ 187	+ 5 42 21.21	04.94	12	...	17.582	.206	+ 36
1796	2908	...	37 Aquarii.....	7.0	22 5 11.832	05.85	1	...	+ 3.2007	- 0.0094	+ 32	-11 18 45.71	05.85	1	...	+17.584	+ .217	+ 32
1797	...	...	Groombridge 3702....	7.0	5 19.215	08.77	2	...	1.1126	- 0.0250	+ 199	+71 52 56.02	08.77	2	...	17.588	.070	+ 24
1798	...	...	B. D. + 62° 2039....	8.0*	5 22.173	03.80	5	...	1.8549	+ 0.0071	...	+62 14 26.77	03.80	5	...	17.590	.123	...
1799	2917	1457	29 Pegasi.....	4.4	5 32.672	06.10	3	...	2.6617	.0089	- 3	+32 41 15.24	05.51	4	...	17.599	.178	- 19
1800	2916	1458	28 Pegasi.....	6.4	5 46.517	06.74	1	...	2.8337	.0048	- 16	+20 29 10.70	06.74	1	...	17.608	.190	- 8

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							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1801	2925	1459	21 Cephei.....	3.6	h m s 22 7 23.035	02.23	3	7	+ 2.0745	+ .0115	+ 18	+57 42 30.00	02.27	3	6	+17.675	+ .136	+ 10
1802	2932	1460	24 Cephei.....	5.0	7 53.206	05.25	5	3	1.1568	-.0224	+ 43	+71 50 55.30	04.86	8	6	17.696	.072	+ 4
1803	2934	...	Bradley 2934.....	6.4	8 17.739	06.51	1	1	1.1887	-.0206	- 18	+71 37 8.23	06.95	1	1	17.712	.073	- 30
1804	...	1464	Piazzi XXII. 36.....	4.6	9 35.065	07.08	3	...	2.5670	+ .0113	+ 38	+39 13 7.89	07.08	3	...	17.765	.168	- 21
1805	2942	...	Bradley 2942.....	6.1	11 4.201	07.86	2	...	1.0954	-.0270	+ 52	+72 48 38.20	07.27	4	2	17.825	.066	+ 20
1806	2929	1466	43 Aquarii.....	4.3	22 11 33.464	03.14	22	...	+ 3.1610	-.0075	+ 74	- 8 16 52.29	03.93	20	...	+17.844	+ .203	- 19
1807	2936	...	45 Aquarii.....	6.1	13 38.749	08.69	1	...	3.2193	.0106	+ 51	-13 48 20.68	08.69	1	...	17.927	.203	- 2
1808	2939	1470	46 Aquarii.....	5.4	14 56.269	07.12	6	...	3.1589	.0075	+ 8	- 8 19 23.58	07.12	6	...	17.977	.196	- 9
1809	2943	1473	48 Aquarii.....	4.0	16 29.510	03.22	26	...	3.0916	-.0042	+ 81	- 1 53 28.37	02.61	31	...	18.037	.190	+ 15
1810	2944	1474	31 Pegasi.....	4.9	16 35.732	06.11	3	...	2.9516	+ .0020	+ 10	+11 42 5.62	06.11	3	...	18.041	.180	+ 7
1811	...	...	Piazzi XXII. 96.....	6.6	22 17 (8)	...	...	...	+ 0.7489	-.0575	+ 74	+75 59 8.77	06.72	4	...	+18.060	+ .040	0
1812	2949	...	50 Aquarii.....	5.9	19 5.755	07.23	4	...	3.2147	-.0106	+ 34	-14 2 10.76	07.23	4	...	18.135	.192	+ 13
1813	2956	1477	3 Lacertae.....	4.6	19 37.542	03.23	5	...	2.3540	+ .0157	- 7	+51 43 40.95	03.23	5	...	18.155	.138	- 188
1814	2952	1478	52 Aquarii.....	4.6	20 10.253	06.04	4	...	+ 3.0638	-.0027	+ 4	+ 0 52 11.70	06.04	6	...	18.175	+ .181	- 1
1815	2993	...	Bradley 2993.....	5.4	21 (18)	...	...	...	- 4.187	1.308	+ 510	+85 36 17.07	05.82	1	...	18.216	- .256	+ 49
1816	...	...	55 Aquarii (Comes).....	4.6	22 23 40.895	07.43	3	...	+ 3.0774	-.0032	+ 115	- 0 31 53.86	06.41	5	...	+18.302	+ .176	+ 16
1817	2960	1482	55 Aquarii.....	4.4	23 41.094	06.79	4	...	3.0774	.0032	+ 138	- 0 31 55.91	06.79	4	...	18.302	.177	+ 23
1818	2966	1483	57 Aquarii.....	4.9	25 21.367	03.53	28	...	3.1784	-.0087	0	-11 11 22.80	03.35	18	...	18.362	.178	- 26
1819	2968	1484	38 Pegasi.....	5.5	25 27.279	04.93	1	...	2.7367	+ .0107	+ 33	+32 3 38.45	04.93	1	...	18.365	.153	- 14
1820	2973	1485	27 Cephei.....	var.	25 27.396	08.77	1	...	2.2181	.0169	+ 16	+57 54 12.76	08.77	1	...	18.365	.122	+ 1
1821	2975	1488	7 Lacertae.....	3.9	22 27 10.186	03.70	3	1	+ 2.4498	+ .0170	+ 156	+49 46 6.37	04.92	4	1	+18.425	+ .135	+ 13
1822	2979	1490	62 Aquarii.....	4.1	30 13.094	03.36	16	...	3.0780	-.0030	+ 57	- 0 37 58.48	03.65	23	...	18.528	.164	- 53
1823	...	1491	Groombridge 3834.....	5.7	30 31.144	06.20	5	...	1.0752	.0348	- 51	+75 42 40.00	05.03	10	...	18.538	.051	0
1824	2983	1492	63 Aquarii.....	5.3	32 34.723	06.49	6	...	3.1136	.0050	- 49	- 4 44 37.93	06.49	6	...	18.606	.161	- 113
1825	2994	1494	31 Cephei.....	5.2	33 18.146	04.34	...	2	1.4452	-.0051	+ 398	+73 7 26.86	04.34	...	2	18.630	.074	+ 24
1826	2990	1495	10 Lacertae.....	4.9	22 34 46.352	02.92	11	...	+ 2.6857	+ .0142	+ 11	+38 31 47.52	02.92	11	...	+18.677	+ .134	- 11
1827	2996	1496	30 Cephei.....	5.2	35 6.149	07.29	2	1	2.1201	.0186	+ 9	+73 3 52.78	07.30	2	1	18.687	.104	- 24
1828	2992	1499	42 Pegasi.....	3.6	36 28.457	02.81	19	...	2.9857	.0024	+ 54	+10 18 33.56	02.40	23	...	18.730	.148	- 14
1829	3003	1501	44 Pegasi.....	3.1	38 18.746	05.49	6	...	2.8064	.0110	+ 11	+29 41 54.01	05.42	10	...	18.787	.135	- 37
1830	...	...	Lalande F. 4250.....	7.7	38 (47)	...	...	...	1.5803	.0009	...	+72 44 2.00	08.77	1	...	18.800	.072	...
1831	3005	1503	13 Lacertae.....	5.2	22 39 37.803	06.25	4	...	+ 2.6691	+ .0160	- 11	+41 17 39.84	06.25	4	...	+18.827	+ .125	+ 10
1832	3010	1504	47 Pegasi.....	4.1	41 42.806	03.26	16	...	2.8819	+ .0084	+ 37	+23 2 21.43	03.24	17	...	18.889	.133	- 9
1833	...	...	Groombridge 3891.....	8.1	41 (51)	...	...	...	1.5236	-.0024	+ 61	+73 54 8.52	04.73	1	...	18.892	.066	+ 31
1834	...	...	Groombridge 3893.....	7.7	43 (5)	...	...	...	1.5345	.0016	- 12	+74 1 39.65	04.73	1	...	18.928	.065	- 32
1835	3013	1506	71 Aquarii.....	4.2	44 17.904	06.07	4	...	3.1814	-.0098	- 8	-14 7 13.43	06.07	4	...	18.963	.143	- 33
1836	3016	1507	48 Pegasi.....	3.7	22 45 10.528	03.23	31	...	+ 2.8809	+ .0092	+ 110	+24 4 24.58	03.26	16	...	+18.988	+ .128	- 42
1837	3022	1510	32 Cephei.....	3.7	46 7.133	02.52	8	20	2.1357	+ .0227	- 111	+65 40 27.88	02.68	8	19	19.014	.090	- 126
1838	3019	1512	73 Aquarii.....	3.8	47 23.898	03.24	21	...	3.1317	-.0062	+ 2	- 8 6 42.24	02.89	24	...	19.049	.134	+ 35
1839	3021	...	74 Aquarii.....	5.9	48 12.838	08.09	4	...	3.1610	.0085	+ 13	-12 8 53.34	08.23	5	...	19.071	.134	0
1840	3025	1514	76 Aquarii.....	3.5	49 20.673	02.99	4	...	3.1913	.0109	- 34	-16 21 9.18	02.99	4	...	19.102	.133	- 26
1841	3032	1516	24 Piscis Australis.....	1.3	22 52 7.618	04.70	9	...	+ 3.2989	-.0211	+ 252	-30 9 8.14	04.99	10	...	+19.174	+ .134	- 171
1842	3037	1517	52 Pegasi.....	5.8	54 11.665	05.17	3	...	2.9974	+ .0038	+ 19	+11 11 39.37	05.17	3	...	19.226	.116	- 47
1843	...	...	Piazzi XXII. 264.....	6.3	54 19.784	08.88	2	...	3.1638	-.0091	- 26	-13 36 24.74	08.84	3	...	19.230	.122	+ 34
1844	3043	1520	1 Andromedae.....	3.6	57 19.075	04.44	9	...	2.7497	+ .0190	+ 20	+41 47 19.41	04.69	10	...	19.302	.100	- 10
1845	3046	1522	4 Piscium.....	4.6	58 47.245	07.36	4	...	3.0521	.0002	+ 8	+ 3 16 53.43	07.36	4	...	19.336	.109	- 6
1846	3047	1523	53 Pegasi.....	var.	22 58 55.515	04.48	3	...	+ 2.8888	+ .0120	+ 146	+27 32 25.36	04.61	5	...	+19.339	+ .104	+ 135
1847	3050	1525	54 Pegasi.....	2.6	22 59 46.749	02.77	22	...	2.9815	.0058	+ 40	+14 40 2.06	02.23	18	...	19.359	.105	- 39
1848	3056	1528	55 Pegasi.....	4.7	23 1 58.037	06.19	3	...	3.0201	.0031	+ 3	+ 8 52 9.12	06.19	3	...	19.408	.102	- 12
1849	3064	1529	5 Andromedae.....	5.8	3 12.733	06.89	1	...	2.6986	+ .0242	+ 150	+48 45 3.88	06.89	1	...	19.435	.089	+ 112
1850	3062	1531	88 Aquarii.....	3.8	4 6.949	06.42	5	...	3.2008	-.0138	+ 32	-24 2 55.17	06.42	5	...	19.454	.105	+ 41

1820. The limits of magnitude are 3.7 and 4.6: period 5d.3+.

1846. The limits of magnitude are 2.2 and 2.7: period irregular.

ALTAZIMUTH CATALOGUE, 1900.0.

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							Above Pole.	Below Pole.						Above Pole.	Below Pole.			
1851	3074	1533	33 Cephei..... π	4.6	23 4 42.974	03.24	4	7	+ 1.8934	+ .0246	+ 23	+74 50 48.99	04.47	10	9	+19.466	+ .058	- 32
1852	...	...	B. D. + 62° 2173...	7.6	4 49.562	03.81	4	...	2.4660	.0320	...	+62 16 26.33	03.81	4	...	19.468	.079	...
1853	3072	1534	59 Pegasi.....	5.2	6 41.274	06.45	8	...	3.0281	.0030	- 7	+ 8 10 37.31	06.45	8	...	19.507	.094	+ 4
1854	3077	1535	Bradley 3077.....	5.7	8 27.890	01.92	6	5	2.6201	+ .0375	+2530	+56 36 58.65	02.24	7	5	19.542	.090	+ 298
1855	3076	1536	90 Aquarii..... ϕ	4.4	9 8.600	05.50	3	...	3.1063	- .0043	+ 15	- 6 35 16.94	05.64	5	...	19.555	.092	- 194
1856	...	...	B. D. - 11° 6032...	6.4	23 9 27.504	07.76	2	...	+ 3.1304	- .0069	...	-11 13 57.30	07.76	2	...	+19.561	+ .092	...
1857	3078	1537	91 Aquarii..... ψ	4.5	10 39.179	06.74	3	...	3.1208	- .0061	+ 250	- 9 37 57.53	06.74	3	...	19.584	.091	- 5
1858	...	...	Bradley 3085.....	5.9	11 3.831	07.27	4	2	2.1047	+ .0373	+ 123	+73 41 9.46	07.65	4	2	19.592	.058	+ 5
1859	3083	...	92 Aquarii..... χ	5.1	11 39.930	08.77	1	...	3.1130	- .0052	- 15	- 8 16 17.77	08.77	1	...	19.603	.087	- 14
1860	3082	1540	6 Piscium..... γ	3.9	11 58.881	02.98	28	...	3.0591	+ .0007	+ 502	+ 2 44 9.18	03.30	24	...	19.608	.088	+ 21
1861	3087	1543	95 Aquarii..... ψ	5.2	23 13 45.669	06.81	5	...	+ 3.1203	- .0061	+ 27	-10 9 27.24	06.81	5	...	+19.640	+ .083	- 1
1862	3097	1544	34 Cephei..... θ	4.9	14 30.946	05.82	8	1	2.4324	+ .0416	+ 113	+67 33 51.92	05.76	8	1	19.653	.062	+ 18
1863	...	...	Lalande 45698-9...	6.3	15 31.605	06.72	3	...	3.1015	- .0040	- 99	- 6 27 14.49	06.72	3	...	19.671	.078	- 65
1864	3096	1546	62 Pegasi..... τ	4.7	15 41.212	03.32	8	...	2.9623	+ .0111	+ 18	+23 11 34.71	03.49	9	...	19.673	.075	- 12
1865	3105	1548	98 Aquarii..... δ	4.2	17 43.146	07.25	5	...	3.1647	- .0122	- 99	-20 38 47.93	07.25	5	...	19.707	.076	- 89
1866	3114	1549	68 Pegasi..... ν	4.6	23 20 23.231	05.38	4	...	+ 2.9755	+ .0114	+ 134	+22 51 12.99	05.09	5	...	+19.748	+ .067	+ 30
1867	3115	1550	4 Cassiopeie.....	5.2	20 23.512	04.35	6	4	2.6449	.0393	- 4	+61 44 1.64	04.66	6	4	19.748	.058	- 10
1868	3116	1552	8 Piscium..... κ	4.9	21 48.357	03.15	24	...	3.0696	.0001	+ 56	+ 0 42 29.38	03.80	16	...	19.769	.066	- 93
1869	3120	1553	10 Piscium..... θ	4.5	22 53.729	07.87	1	...	3.0504	.0028	- 88	+ 5 49 46.35	05.80	3	...	19.785	.063	- 41
1870	3122	1555	70 Pegasi..... η	4.7	24 5.907	06.85	2	...	3.0272	+ .0061	+ 40	+12 12 31.77	06.85	2	...	19.801	.061	+ 35
1871	...	...	Mayer 997.....	6.4	23 24 21.927	05.85	2	...	+ 3.0807	- .0028	+ 121	- 5 4 37.67	05.85	2	...	+19.805	+ .062	- 218
1872	3147	1559	Bradley 3147.....	5.6	27 (48)	...	...	...	- 0.2298	.5781	+ 621	+86 45 21.18	03.21	79	39	19.849	- .011	+ 20
1873	3130	1560	101 Aquarii..... δ	4.8	28 2.670	06.81	1	...	+ 3.1454	- .0121	- 16	-21 28 1.63	06.81	1	...	19.852	+ .055	+ 18
1874	3135	...	Bradley 3135.....	6.6	28 14.534	04.21	...	2	2.5224	+ .0580	- 60	+71 26 57.64	04.21	...	2	19.854	.042	- 38
1875	...	...	Mayer 1003.....	6.5	30 22.634	06.82	1	...	3.0966	- .0041	- 5	- 8 1 3.74	06.82	1	...	19.880	.050	+ 18
1876	3143	1567	16 Andromedæ..... λ	4.0	23 32 40.035	06.89	2	...	+ 2.9082	+ .0282	+ 158	+45 54 59.01	06.89	2	...	+19.905	+ .043	- 420
1877	3144	1568	17 Andromedæ..... ϵ	4.3	33 13.664	00.87	1	...	2.9286	.0253	+ 25	+42 42 52.61	00.87	1	...	19.910	.041	- 1
1878	3148	1569	17 Piscium..... ι	4.3	34 48.396	03.70	30	...	3.0593	.0032	+ 246	+ 5 5 3.66	04.70	17	...	19.926	.041	- 436
1879	3152	1570	35 Cephei..... γ	3.4	35 14.328	04.00	2	7	2.4445	.0753	- 171	+77 4 27.37	04.10	7	9	19.930	.029	+ 157
1880	3149	1572	19 Andromedæ..... κ	4.3	35 28.693	08.77	1	...	2.9356	.0266	+ 78	+43 46 49.10	08.77	1	...	19.932	.038	- 24
1881	3153	1573	18 Piscium..... λ	4.6	23 36 56.568	07.18	3	...	+ 3.0695	+ .0012	- 92	+ 1 13 46.75	07.94	2	...	+19.946	+ .036	- 154
1882	3154	1574	105 Aquarii..... ω	4.6	37 32.245	02.86	3	...	3.1076	- .0076	+ 6	-15 5 52.10	02.86	3	...	19.951	.036	- 63
1883	...	...	B. D. - 0° 4560...	8.1*	38 7.261	05.91	1	...	3.0738	+ .0002	...	- 0 42 35.92	05.91	1	...	19.955	.037	...
1884	3159	1576	106 Aquarii..... δ	5.3	39 0.939	04.86	4	...	3.1140	- .0098	+ 19	-18 49 54.99	04.86	4	...	19.963	.033	- 6
1885	3163	1577	20 Andromedæ..... ψ	5.1	41 4.495	07.94	1	...	2.9587	+ .0293	+ 5	+45 51 54.70	07.94	1	...	19.979	.027	- 8
1886	3162	1578	19 Piscium.....	5.3	23 41 16.894	08.39	2	...	+ 3.0668	+ .0023	- 34	+ 2 55 55.29	08.39	2	...	+19.980	+ .028	- 20
1887	3165	...	20 Piscium.....	5.6	42 48.112	05.85	2	...	3.0782	- .0009	+ 64	- 3 19 1.93	05.85	2	...	19.990	.025	+ 2
1888	3166	1580	Bradley 3166.....	5.0	43 7.634	04.39	10	5	2.8379	+ .0613	+ 24	+67 15 4.48	04.62	10	5	19.993	.022	- 10
1889	...	...	Mayer 1012.....	6.3	43 24.211	08.77	1	...	3.0841	- .0027	+ 9	- 6 56 9.21	08.77	1	...	19.994	.024	- 23
1890	...	1581	Sculptoris..... δ	4.6	43 43.159	03.60	7	...	3.1243	.0160	+ 59	-28 40 59.70	03.66	5	...	19.996	.024	- 133
1891	...	...	Mayer 1015.....	6.1	23 45 5.198	99.79	4	...	+ 3.0885	- .0046	+ 86	-10 31 (56)	...	...	...	+20.004	+ .021	+ 96
1892	3176	1583	81 Pegasi..... ϕ	5.2	47 23.969	05.61	5	...	3.0477	+ .0110	- 13	+18 33 54.43	05.61	5	...	20.017	.016	- 39
1893	...	...	Piazzi XXIII. 218...	6.6	47 32.174	06.81	1	...	2.8014	.0989	+ 845	+74 59 13.94	05.38	4	...	20.017	.015	+ 52
1894	3180	1584	25 Piscium.....	6.2	47 57.465	06.93	2	...	3.0705	.0020	+ 3	+ 1 32 4.15	06.93	2	...	20.019	.015	- 4
1895	3182	1586	7 Cassiopeie..... ρ	4.9	49 23.191	06.89	1	...	2.9773	.0443	- 22	+56 56 34.75	07.42	2	...	20.025	.012	+ 2
1896	...	1587	Groombridge 4163...	6.7	23 49 57.604	04.70	5	1	+ 2.8702	+ .0906	- 40	+73 51 13.45	04.59	5	3	+20.027	+ .010	- 5
1897	3189	1590	27 Piscium.....	5.1	53 33.247	04.11	4	...	3.0750	- .0006	- 34	- 4 6 39.22	03.57	7	...	20.039	.004	- 66
1898	...	...	Lalande 47031.....	7.9	54 (9)	...	...	...	2.9517	+ .0992	...	+74 15 2.60	06.81	2	...	20.039	.002	...
1899	3191	1592	28 Piscium..... ω	4.0	54 10.540	03.67	30	...	3.0686	+ .0049	+ 102	+ 6 18 34.63	04.46	10	...	20.040	+ .003	- 108
1900	...	...	W. B. XXIII. 1100.	8.0*	55 55.276	99.78	3	...	3.0750	- .0017	...	- 6 23 (27)	...	...	...	20.043	- .001	...
1901	...	...	W. B. XXIII. 1101.	8.0*	23 55 59.996	99.78	3	...	+ 3.0749	- .0017	...	- 6 25 (51)	...	...	...	+20.043	- .001	...
1902	3197	1595	30 Piscium.....	4.7	56 49.897	05.80	7	...	3.0745	- .0018	+ 30	- 6 34 11.75	06.31	6	...	20.045	.002	- 37
1903	...	...	Groombridge 4209...	7.5	58 15.868	03.84	1	...	3.0400	+ .0951	- 82	+72 37 3.18	03.84	2	...	20.045	.005	+ 20
1904	3204	1596	2 Ceti.....	4.6	58 37.061	03.72	22	...	3.0749	- .0079	+ 15	-17 53 33.13	04.77	12	...	20.047	.006	- 13