CATÁLOGO LA PLATA C

DE 4412 ESTRELLAS

ENTRE 62° Y 66° DECLINACIÓN AUSTRAL (1875)

PARA EL EQUINOCCIO 1925

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PUBLICACIONES DEL OBSERVATORIO ASTRONÓMICO; TOMO VIII

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POR

HUGO A. MARTÍNEZ

LA PLATA

OBSERVATORIO ASTRONÓMICO

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1924

UNIVERSIDAD NACIONAL DE LA PLATA

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ADVERTENCIA

El valioso *Catálogo de zonas de la Astronomische Gesellschaft* comprende las posiciones exactas de todas las estrellas hasta la novena magnitud, incluídas en la *Bonner Durchmusterung*, dentro de los límites 80° norte y 23° sur de declinación. Las observaciones correspondientes han sido efectuadas, durante más de medio siglo, en un gran número de observatorios. Para la continuación de este catálogo, hasta el polo austral, se han encargado los dos observatorios de la Nación Argentina, en Córdoba y en La Plata.

El Observatorio de Córdoba ya ha publicado, en los volúmenes 22 y 23 de sus *Resultados*, las zonas de —22° a —27° y de —27° a —32°, bajo el título *Catálogo Córdoba A* y *Córdoba B*. Estos catálogos de zonas de Córdoba se extenderán hasta —52°, y de —82° hasta el polo austral.

El Observatorio de La Plata, habiéndose encargado, bajo la dirección del profesor Hussey, para la observación de toda la zona entre —52° y —82° de declinación, ya ha realizado la mayor parte de las observaciones : el catálogo de —52° a —57°, observado por el ingeniero Pablo F. Delavan, ya fué impreso, en 1919, como tomo V de estas publicaciones; una parte de las observaciones en las zonas entre —57° y —62°, efectuadas por el ingeniero Félix Aguilar, ya se publicó en los tomos II y III, en 1916, y el catálogo correspondiente se publicará pronto; la zona de —62° hasta —66°, observada por el señor agrimensor Hugo A. Martínez, se publica en este tomo VIII; el señor ingeniero Virginio Manganiello ha terminado las observaciones entre —66° y —72° y prepara el catálogo; el señor ingeniero Numa Tapia está ahora ocupado con las observaciones de la última zona, entre —72° y —82°.

Sin duda, es una obra de gran importancia, digna del aplauso de todos los astrónomos, que los dos observatorios argentinos contribuyen, con parte tan esencial, al inapreciable *Catálogo de zonas*.

Para facilitar el uso de nuestros catálogos, se los publicará bajo la siguiente designación :

Tomo V : *Catálogo La Plata A*, —52° a —57° (Delavan).
— VII — *B*, —57° a —62° (Aguilar).
— VIII — *C*, —62° a —66° (Martínez).
— IX — *D*, —66° a —72° (Manganiello).
— X — *E*, —72° a —82° (Tapia).

Sírvanse los señores astrónomos agregar al volumen V la designación : *Catálogo La Plata A*.

Observatorio de La Plata, diciembre de 1923.

J. Hartmann.

INTRODUCCIÓN

En febrero de 1919, por indicación del entonces director del Observatorio, ingeniero Félix Aguilar, comencé mi trabajo de zona, la comprendida entre los 62° a 66° de declinación austral, continuación de las ya observadas por los señores Delavan y Aguilar; siguiendo en un todo el mismo plan que los anteriores que, a su vez, respondía al plan general adoptado por la *Astronomische Gesellschaft*.

Habiéndose anteriormente resuelto que en el Observatorio de La Plata se observarían los 30° comprendidos entre los 52° a 82° de declinación sur, tomándose todas las estrellas que figuran en la *Cape Photographic Durchmusterung* hasta 9,0 magnitud inclusive, se decidió que el trabajo de los 10° al sur de las zonas que ya se habían realizado en este Observatorio, lo efectuaríamos con el señor Manganiello, repartiéndonos con arreglo al número de estrellas a observarse, resultando que en los 4° de 62° a 66° contenían tantas estrellas como en los 6° restantes, ocupándome yo de estos primeros, cuyo resultado publico.

Las 4412 estrellas que comprende mi programa fueron, casi en su totalidad, observadas durante los años 1919, 1920 y 1921, a causa de que en el año 1919 un buen tiempo tuve que interrumpir el trabajo, por tener el señor Aguilar ocupado el anteojo en terminar su zona; por otra parte, que solamente noche por medio observaba, dado que simultáneamente trabajábamos con el señor Manganiello; y por último que la densidad de estrellas en las horas 13 a 17 es muy grande, en relación a las demás. Quedó un buen grupo de estrellas que ni aún en el año 1922 (excesivamente lluvioso durante todo el invierno) me fué posible terminar.

Determiné como límite de mi zona 61°50′ y 66°10′ (para el año 1875) tomando todas las estrellas de 9,0 magnitud y más brillantes que figuran en la *Cape Photographic Durchmusterung*, de manera que los 10′ que preceden y siguen, servirán para conectar mi trabajo con las zonas limitrofes.

Las reducciones, cálculos, lecturas de bandas, etc., fueron hechos simultáneamente con el trabajo de observación. Interviniendo en todos ellos, fuí ayudado por diferentes calculistas, pero siendo los señores ingenieros Pedro Sarmiento y Guillermo Anzorena, señorita Virginia Peña, señores Miguel Agabios, Enrique Peña y Armando Corti, los que más cooperación me han prestado; aprovecho esta oportunidad para manifestarles mi más grande reconocimiento. Como así mismo y muy especialmente a los ayudantes señores Thales Tapia y mi hermano agrimensor Federico Martínez, quienes se ocuparon, durante casi todo el tiempo, en la lectura de los círculos y el trabajo de cálculo, reducciones, etc. Y al ex director, ingeniero Félix Aguilar, que además de haberme iniciado en los trabajos de astronomía, ha sido un excelente maestro y un jefe que supo granjearse el respeto y cariño de los que fuimos sus com-

pañeros de tareas. Quiero después de dejar constancia de mi agradecimiento y alto aprecio que sus cualidades particularmente me inspiran, aplaudir su obra tan benéfica, que como argentino ha realizado dentro del Observatorio, tratando de preparar un núcleo de astrónomos argentinos de manera de poder formar un verdadero Observatorio nacional.

Su obra, tan digna de elogio, me he permitido citarla en la certeza de que ella será debidamente apreciada.

La totalidad de las observaciones que forman el catálogo han sido efectuadas con el « Gran círculo meridiano Gautier » al que se le adaptó un micrómetro registrador Repsold. La descripción del instrumento se encuentra en los volúmenes I y III de las publicaciones de este Observatorio.

Como estrellas fundamentales he empleado las del catálogo de Auwers, dándole preferencia a las posiciones de la última publicación *(Nuevo catálogo fundamental)*. Siempre, para las estrellas que se encuentran en efemérides, utilizaba directamente los valores sacados de ellas, pero teniendo cuidado si eran de la francesa o de la americana de reducir a la autoridad de Auwers. Con objeto de conseguir que el promedio de las declinaciones de las fundamentales para cada noche de observación cayera en el centro de mi zona (—64°), no empleé estrellas muy distantes de los límites que había adoptado y traté, siempre que fué posible, de compensar los programas, de manera que cualquier error en los valores de *(n)*, no tuviera casi ninguna influencia en los resultados.

El trabajo se ha desarrollado de una manera bastante regular, dentro del plan que me había trazado para efectuarlo : noche por medio ocupábamos el meridiano no menos de cuatro horas, y mientras el ayudante leía los cuatro miscrocopios, yo tomaba el pasaje con el micrómetro impersonal y dos lecturas en el micrómetro en declinación; como el instrumento es bastante pesado ofrece suficiente estabilidad, de manera que no se ha usado nunca el freno, una vez que el ayudante calaba, lo movía suavemente hasta que llegara la estrella proximamente al hilo horizontal.

Generalmente oscilaba al rededor de 90 las estrellas observadas, de las cuales cuatro eran circumpolares y más de un 10 por ciento fundamentales; siempre, para las fundamentales en declinación, se adoptó el promedio de dos lecturas en cada microscopio.

Los datos barométricos y de temperatura se tomaron generalmente cada hora; siempre que algún cambio atmosférico se notara era inmediatamente tenido en cuenta. Utilicé las tablas de Albrecht (publicada en Leipzig, 1908) para la refracción, respondiendo bastante bien a nuestras condiciones atmosféricas.

El run de los microscopios se determinó todas las noches, no así el nadir que lo observé con poca frecuencia y sin regularidad.

Las reducciones se hacían como es de práctica; en declinación, corriguiendo el promedio de las cuatro lecturas del círculo, de run, micrómetro, refracción y punto del ecuador (para este último adopté el promedio de todos los determinados con las fundamentales observadas). Y en ascención recta, al promedio de diez contactos (5 a cada lado de la rotación central) lo corregía de las constantes instrumentales determinadas y del $\Delta t + m$ (para cada zona siempre constante) obtenido del promedio de las mismas fundamentales.

Para reducir las posiciones del día de observación al principio del año, he utilizado casi siempre un método gráfico : *Las curvas de Courvoisier,* que se calculaban con los números independientes dados en el *American Ephemeris.*

Por la lista de las constantes instrumentales que doy en la tabla número 1, donde podrá apreciarse

la regularidad tan grande del valor de la colimación, que fué determinada una vez al mes, por inversión sobre la mira colocada a 100 metros al sur del anteojo meridiano, aprovechábamos esta determinación para dejar invertido el instrumento de manera de tomar todas las estrellas en las dos posiciones del anteojo. En varias de mis zonas el valor de *n* que utilicé, fué determinado por los señores Aguilar o Manganiello, por haber esas noches efectuado el trabajo conjuntamente.

Calculadas las posiciones para el equinoccio medio del año de observación y para hacer más fácil mente comparables los diferentes resultados obtenidos para cada estrella, se llevaron los valores a tarjetas preparadas con dicho objeto. Las posiciones se uniformaron calculándolas para el equinoccio medio de 1925, utilizando las tablas de Ristempart publicadas por el Observatorio nacional de Chile.

Por comparaciones aisladas de las mismas estrellas observadas en dos noches diferentes, pude notar que existían diferencias sistemáticas entre cada noche, lo que me indujo a hacer una revisación total del trabajo. Para esto, comparé entre sí las diferentes observaciones de cada estrella y agrupé los resultados por noche, pudiendo determinar para cada zona las diferencias sistemáticas, cuyos resultados doy en la tabla número 2.

TABLA 1. — Lista de zonas

Zonas	Fechas		Número de ✱	C — K	*n*	P. del E.	Δ*t* Riefler	Δ*t* Fenon	Observaciones y clase de imágenes
	Año 1919								
1	Feb. 22	E	48	−0ˢ.043	+0ˢ.292	+ 1ˢ.4	+0ᵐ20ˢ.27		
2	26	E	90	.043	.246	2.8	20.86		
3	Mar. 6	E	87	−0.054	.184	+ 2.7	21.86		
4	14	O	71	+0.025	.015	−1′49.6	23.02		Malas; muchas nubes.
5	16	O	49	.025	.170	1 49.7	23.31		Regulares.
6	18	O	88	.025	.168	1 49.3	23.58		Muy malas.
7	22	O	93	.026	.069	1 48.9	24.06		Muy buenas.
8	24	O	98	.026	.002	1 48.8	24.21		Muy buenas.
9	30	O	98	.027	.113	1 49.8	24.99		Muy buenas.
10	Abril 1	O	94	+0.028	.112	1 50.9	25.25		Malas y muy movedizas.
11	3	E	89	−0.062	.072	1.1	25.38		Malas y muy veladas.
12	9	E	91	−0.070	.005	11.6	(1)	0.10.11	Malas; cielo velado.
13	30	O	34	+0.061	.014	2 2.6	0.33		
14	Mayo 21	O	46	+0.055	.015	2 2.0	3.20		Regulares.
15	Junio 3	E	43	−0.095	.026	14.6	5.44		
16	9	O	32	+0.065	.115	2 41.3	6.85		Muy malas.
17	17	O	45	.065	.282	2 41.3	8.45		Pésimas.
18	19	O	46	.065	.372	2 40.6	8.85		Muy buenas.
19	25	O	42	+0.081	+0.283	2 39.0	9.85		Muy movedizas.
20	Julio 8	E	79	−0.125	+0.030	46.6	11.63		Buenas.
21	19	E	69	.134	−0.045	47.6	12.16		Muy malas.
22	21	E	58	.135	+0.016	49.7	12.25		Buenas.
23	25	E	91	.136	−0.029	48.6	12.65		
24	29	E	98	−0.137	+0.017	49.1	13.13		Al principio malas; después buenas.
25	31	O	95	+0.104	.097	2 32.3	13.15		
26	Ago. 2	O	72	.104	.078	2 31.2	13.35		
27	4	O	65	.111	.052	2 32.0	13.55		Suspendido el trabajo se apaga la luz; imág. regul.
28	8	O	65	.117	.074	2 33.9	13.95		Suspendido por nublarse; imágenes muy veladas.
29	21	O	99	.137	.103	2 30.9	15.02		Bastante buenas.

(1) 1919. Abril 5, a 21 horas + 3ˢ.62.

TABLA 1. — Lista de zonas *(continuación)*

Zonas	Fechas		Número de ✱	C — K	n	P. del E.	Δt Riefler	Δt Fenon	Observaciones y clase de imágenes
	Año 1919								
30	Ago. 22	O	85	+0ˢ.138	+0ˢ.103	−2′30″.8	+0ᵐ15ˢ.11		
31	24	E	64	−0.173	.092	45.1	15.29		Muy malas, veladas y movedizas.
32	26	E	69	.173	.104	44.9	15.47		Suspendido por nublarse; imágenes malas.
33	Sept. 6	E	75	.165	.107	41.4	18.70		Muy malas, movedizas y veladas.
34	10	E	92	.160	.102	40.9	19.53		
35	16	E	123	−0.157	.204	43.5	20.63		Regulares, un poco movedizas.
36	26	O	42	+0.124	.286	2 31.8	22.53		Regulares; suspendido por nublarse.
37	30	O	120	.127	.154	2 32.4	23.29		
38	Oct. 2	O	116	.129	.077	2 31.9	23.67		Regulares.
39	4	O	67	.131	.071	2 31.4	24.05		Malas; suspendido por nublarse.
40	10	O	135	.137	.066	2 31.7	25.20		Buenas, un poco veladas a 3 horas.
41	14	O	116	.141	.079	2 32.8	25.95		Muy malas, veladas y movedizas.
42	16	O	94	+0.143	.071	2 31.8	26.33		Malas.
43	20	E	97	−0.183	.019	42.3	26.50		Malas.
44	22	E	106	.183	.040	41.5	26.82		Regulares.
45	24	E	117	.183	.050	40.5	27.14		Malas.
46	28	E	117	.184	.033	40.9	27.78		Regulares, cielo despejado.
47	Nov. 5	E	116	.184	.077	40.9	29.32		Más bien buenas.
48	15	E	74	−0.184	.013	39.6	31.20		Regulares; suspendidas observaciones por velarse.
49	19	O	117	+0.152	.187	2 25.0	(1) 31.98		Regulares, al principio malas.
50	23	O	35	.152	.066	2 25.7	31.55		Muy malas; suspendido por velarse.
51	25	O	51	.145	.169	2 25.8	31.02		Muy malas; suspendido por velarse.
52	27	O	119	.143	.239	2 25.5	31.09		Regulares, al principio buenas.
53	Dic. 3	O	41	.137	.252	2 24.4	+0 30.07		Al principio malas, después buenas.
54	9	O	74	.131	.197	2 25.4	−0 9.08		
55	(2) 15	O	69	+0.125		2 25.9	6.65		Suspendido por nublarse, imágenes malas perdidas en α; mal funcionamiento del micrómetro.
56	19	E	119	−0.157	.073	40.7	6.29		Muy malas de 3 a 4 horas, movedizas y veladas, después regulares.
57	23	E	90	−0.157	.047	39.9	31.24		Regulares, más bien buenas, perdidas en α, últimas ✱ por falta de tinta.
			4.615						
	Año 1920								
58	Ene. 19	O	98	+0.128	.124	2 27.3	42.76		Buenas al principio y fin, por 7 horas malas veladas.
59	21	O	86	.129	.100	2 27.4	43.74		Buenas al principio, cronógrafo final de 13 horas malas y también reloj.
60	23	O	89	.129	.279	2 29.3	44.72		Malas, veladas y movedizas.
61	25	O	94	.130	.332	2 27.2	45.70		Regulares; cielo velado.
62	29	O	99	.131	.171	2 25.0	48.04		Regulares, al principio buenas.
63	Feb. 3	O	48	.132	.243	2 21.3	50.69		Regulares, al final suspendido por nublarse.
64	5	O	101	+0.133	.298	2 20.9	51.75		
65	6	E	59	−0.167	.092	37.3	52.28		Suspendido por mal funcionamiento del micrómetro; imágenes buenas al principio, nubes, se perdió 1/2 prog. de 7 a 8 horas.
66	8	E	86	.165	.129	38.6	53.34		Suspendido por velarse; imágenes regulares.
67	10	E	95	.159	.143	37.8	1.70		
68	12	E	50	.155	.118	34.7	2.49		
69	18	E	76	.143	.062	36.3	4.88		Bastante regulares.
70	20	E	73	−0.139	.054	(3)	5.64		Buenas, P del E varió uniformemente.
71	24	O	92	+0.108	.136	2 25.2	7.15		Muy buenas.
72	26	O	70	.111	.144	2 25.9	7.67		
73	28	O	83	.114	.170	2 25.8	7.96		

(1) Cambio de marcha. (2) Observada en δ solamente. (3) $6^h5\ 37''.6$, $6^h8\ \left\{\begin{matrix}37''.1\\37.3\end{matrix}\right.$ $7^h0\ 36''.4$, $8^h4\ 35''.1$, $9^h0\ 34''.8$, $9^h2\ 33''.3$.

TABLA 1. — Lista de zonas *(continuación)*

Zonas	Fechas		Número de ✱	C − K	*n*	P. del E.	Δ*t* Riefler	Δ*t* Fenon	Observaciones y clase de imágenes
	Año 1920								
74	Mar. 1	O	92	+0ˢ.118	+0ˢ.178	−2′25″.3	−0ᵐ 7ˢ.46		Malas; cielo velado al principio.
75	5	E	96	−0.156	.031	33.9	7.51		Buenas, la primera 1/2 hora regulares.
76	7	E	68	.156	.037	33.6	7.56		Suspendido por velarse; imágenes buenas.
77	9	E	136	.154	.105	35.6	7.61		Muy buenas.
78	13	E	33	.153	.018	31.2	7.71		Suspendido por nublarse.
79	15	E	54	.152	.082	34.2	7.75		Suspendido por nublarse.
80	19	E	140	.151	.086	36.6	8.93		Bastante buenas.
81	20	E	48	.151	.073	36.4	9.17		Regulares, un poco veladas.
82	23	E	102	.150	.199	38.3	9.88		Regulares; cielo velado.
83	24	E	46	.149	.254	37.4	10.12		Buenas pero movedizas.
84	25	E	104	.149	.219	36.7	10.18		
85	26	E	46	−0.147	.152	37.5	10.24		
86	30	O	51	+0.116	.087	2 24.4	10.46		
87	31	O	101	.113	.056	2 24.6	10.52		
88	Abril 4	O	95	.122	.230	2 25.3	10.73		Suspendido por nublarse; imágenes regulares.
89	8	O	96	.127	.153	2 26.9	11.30		Buenas.
90	9	O	94	.129	.154	2 26.6	11.44		Buenas.
91	12	O	94	.132	.125	2 26.0	11.60		
92	13	O	29	.133	.094	2 25.5	11.74		Regulares; suspendido por nublarse.
93	16	O	96	.137	.130	2 25.8	12.18		Buenas, un poco movedizas.
94	18	O	90	.140	.160	2 25.9	12.46		
95	20	O	95	+0.142	.116	2 31.9	12.66		
96	28	E	92	−0.182	.038	37.9	13.91		Regulares, un poco movedizas.
97	30	E	88	.181	.102	38.0	14.20		Malas, velado, suspendido última 1/2 hora.
98	Mayo 4	E	47	.177	.147	38.7	14.78		Suspendido por malas imágenes.
99	6	E	93	.177	.112	37.0	15.07		Buenas, última 1/2 hora cielo velado.
100	8	E	92	.175	.104	37.5	15.09		Regulares; cielo velado.
101	12	E	49	−0.173	.185	44.0	15.40		
102	20	O	114	+0.134	.340	4 57.9	16.57		Malas, veladas.
103	22	O	76	.135	.395	5 2.1	16.83		Malas, veladas.
104	26	O	21	.138	.307	5 1.1	17.26		Suspendido por imágenes malas y nublarse.
105	Junio 9	O	49	.146	.356	5 2.6	20.03		Muy malas.
106	11	O	45	.147	.339	5 3.6	20.39		Suspendido por malas imágenes.
107	15	O	78	.150	.350	5 2.7	21.11		Dos primeras horas imágenes regulares, dos últimas malas veladas.
108	17	O	103	.151	.377	5 1.5	21.46		Regulares.
109	23	O	81	+0.155	.420	5 3.0	23.22		Veladas y movedizas.
110	Julio 15	E	95	−0.204	.223	46.3	22.34		
111	23	E	40	.209	.123	45.1	21.76		Regulares.
112	25	E	98	−0.211	.151	45.7	21.97		
113	Ago. 4	O	70	+0.177	.200	5 1.0	19.69		Regulares, movedizas; suspendido por mal funcionamiento del cronógrafo.
114	6	O	52	.176	.267	5 1.0	19.45		Suspendido por malas imágenes.
115	14	O	96	.174	.256	3.1	18.49		Buenas.
116	18	O	96	.172	.230	2.7	18.01		Muy malas.
117	20	O	50	.171	.305	2.6	17.89		Malas.
118	25	O	54	+0.169	.205	2.6	17.16		Regulares; cielo muy nublado.
119	28	E	67	−0.202	.110	45.0	16.95		
120	Sept. 5	E	76	.198	.068	44.6	16.27		Suspendido por imágenes muy malas.
121	9	E	99	.197	.090	44.4	15.83		Buenas.
122	15	E	80	.194	.088	45.4	15.17		
123	25	E	94	−0.188	.222	3.3	14.59		
124	Oct. 5	O	94	+0.151	.285	1.8	13.87		Malas.
125	7	O	67	.151	.321	4.2	14.05		Suspendido por velarse, muy malas imágenes.
126	19	O	41	.155	.227	0.6	13.45		Muy malas.
127	21	O	45	.156	.284	3.8	13.33		

TABLA 1. — Lista de zonas *(continuación)*

Zonas	Fechas		Número de ✱	C — K	n	P. del E.	Δt Riefler	Δt Fenon	Observaciones y clase de imágenes
	Año 1920								
128	Oct. 23	O	49	+0ˢ.156	+0ˢ.273	−0′ 3″.6	−0ᵐ13ˢ.21		Buenas.
129	25	O	46	+0.157	.292	2.4	13.09		Buenas.
130	29	E	47	−0.193	.254	4.5	12.85		
131	Nov. 8	E	34	.193	.198	3.9	12.20		
132	16	E	46	−0.175	−0.035	5.0	11.44		Suspendido por nublarse; malas imágenes.
133	26	O	92	+0.130	+0.134	2.0	10.70		Tres horas primeras muy buenas, últimas regulares.
134	Nov. 30	O	61	.131	.189	0.4	10.38		Dos últimas horas imágenes buenas, de 3ʰ30ᵐ a 4 horas, imágenes movedizas regulares.
135	Dic. 4	O	88	.132	.114	1.7	10.06		Dos y media primeras horas imágenes malas veladas, última 1 y 1/2 hora bastante buenas.
136	6	O	93	.133	.142	1.5	9.90		
237	8	O	33	.133	.029	1.0	9.74		
138	14	O	60	+0.133	+0.127	1.0	9.36		
139	18	E	97	−0.166	−0.003	1.5	9.07		
140	22	E	93	.162	+0.076	2.1	8.76		
141	26	E	38	−0.160	.005	1.9	8.46		
			6.324						
	Año 1921								
142	Ene. 9	O	70	+0.120	.247	0.3	(1) 7.42		
143	13	O	40	+0.130	.275	1.1	+0 3.15		
144	19	E	91	−0.173	.189	2.0	3.31		Muy buenas.
145	23	E	97	.172	.058	2.8	3.43		
146	31	E	89	.169		2.4	3.67		
147	Feb. 10	E	17	.168	.102	1.4	3.43		
148	12	E	95	.168	.072	2.1	3.37		
149	14	E	98	−0.167	.070	1.1	3.31		
150	16	O	32	+0.133	.108	5.2	3.25		Suspendido por mal funcionamiento del top.
151	18	O	103	.135	.129	5.1	3.05		Buenas.
152	20	O	13	.136	.129	5.6	2.85		Suspendido por mal funcionamiento del cronógrafo.
153	24	O	61	.140	.128	7.2	2.97		
154	28	O	44	.145	.183	5.8	3.09		
155	Mar. 2	O	90	.148	.183	6.6	3.15		
156	4	O	96	.150	.223	7.5	3.21		
157	12	O	43	+0.152	.154	6.5	3.19		
158	Abril 7	E	60	−0.202	.307	12.6	1.47		Suspendido por nublarse.
159	11	O	95	+0.163	.138	8.9	1.27		
160	15	O	93	+0.153	.187	9.0	1.07		
161	17	E	120	−0.183	.069	8.0	0.97		
162	25	O	60	+0.143	.180	6.0	0.57		Muy malas.
163	27	O	136	.130	.041	4.6	0.47		
164	29	O	56	+0.122	.001	5.1	0.37		
165	Mayo 1	E	93	−0.141	0	5.8	+0 0.27		
166	5	E	21	.139	.120	4.7	−0 0.50		Malas; suspendido por nubes.
167	11	E	112	.134	+0.019	5.5	0.92		
168	13	E	117	−0.130	−0.058	6.2	1.06		Malas.
169	Junio 7	O	19	+0.093		8.9	3.08		Malas.
170	8	O	107	.094	+0.061	9.7	2.84		Malas.
171	16	O	106	.099	.131	9.9	3.32		Muy malas.
172	18	O	29	.100	.116	10.1	0.75		Suspendido mal hilo en δ, imágenes muy malas.
173	20	O	112	+0.105	.140	11.0	0.65		Malas.
174	22	E	97	−0.140	.065	14.3	−0 0.55		Tres cuartos hora primeras, imágenes malas y movedizas, restantes regulares.
175	30	E	93	.127	.030	15.1	+0 1.02		

(1) El día 10 de enero de 1921 se paró el Riefler durante 17 minutos.

TABLA 1. — Lista de zonas *(conclusión)*

Zonas	Fechas		Número de ★	C — K	n	P. del E.	Δt Riefler	Δt Fenon	Observaciones y clase de imágenes
	Año 1921								
176	Julio 20	E	30	−0ˢ.099	+0ˢ.042	−0′13″.2	+0ᵐ 1ˢ.69		Malas.
177	26	E	87	−0.090	.017	12.9	2.05		
178	Ago. 3	O	77	+0.054	.157	9.8	2.45		Suspendido por imágenes malas.
179	13	O	91	.058	.232	7.7	2.75		
180	15	O	70	.058	.116	8.2	2.83		
181	21	O	52	+0.060	.091	7.2	3.07		
182	Sept. 7	E	63	−0.093	.096	10.4	3.51		Regulares.
183	16	E	13	.079	+0.013	7.3	3.96		
184	29	E	7	.060	−0.042	8.6	5.60		
185	Oct. 1	E	63	.057	.008	9.2	+0 6.02		Regulares; cielo un poco velado.
	Año 1922								
186	Ene. 8	E	39	.183	.055	5.1	−0 0.44		
187	9	E	43	.183	.055	5.6	0.64		Buenas; suspendido por no andar pluma de α.
188	10	E	29	−0.183	. 0	8.0	0.84		
189	Feb. 14	O	16	+0.117	. 0	5.9	7.55		
190	15	O	4	+0.117	−0. 0	7.3	7.71		
191	Mar. 10	E	11	−0.131	+0.380	−0 0.5	19.75		
192	Abril 23	E	30	.180	.088	+0 3.5	19.75		
193	24	E	28	.180	.142	4.5	19.85		
194	30	E	15	−0.170	.070	+0 3.3	(²) 20.90		
195	Junio 9	O	12	+0.106		−0 51.1	+0 9.75		
	Año 1923								
196	Ene. 21	E	53	.133	.291	+0 8.3	−0 2.79		
197	Mar. 25	E	5	.071	.283	10.0	−0 9.03		
198	Abril 9	E	6	.071	.253	7.8	+0 10.07		
199	Mayo 15	E	94	+0.071	.270	7.2	+0 1.62		
200	Junio 8	O	30	(¹)		5.8			
201	Ago. 20	O	75	−0.115	.261	2.9	−0 58.72		
202	21	O	67	−0.115	+0.261	+0 3.6	−0 59.12		

TABLA 2. — Correcciones de zonas

Zonas	$\Delta\alpha$	$\Delta\delta$	Zonas	$\Delta\alpha$	$\Delta\delta$	Zonas	$\Delta\alpha$	$\Delta\delta$	Zonas	$\Delta\alpha$	$\Delta\delta$	Zonas	$\Delta\alpha$	$\Delta\delta$
1	+0ˢ.02	+0″.1	11	−0ˢ.08	+0″.6	21	+0ˢ.03	+1″.0	31	−0ˢ.06	+0″.6	41	+0ˢ.01	−0″.1
2	− 9	− 1	12	− 8	0	22	− 3	− 3	32	+ 3	+ 3	42	+ 3	− 2
3	+ 4	0	13	+ 4	− 5	23	− 7	+ 2	33	+ 4	+ 7	43	− 1	− 1
4	0	+ 3	14	− 4	0	24	− 10	+ 3	34	− 5	0	44	+ 2	+ 1
5	− 4	+ 3	15	+ 1	+ 3	25	+ 2	+ 1	35	− 2	+ 3	45	− 5	+ 4
6	+ 6	0	16	− 7	− 5	26	− 1	− 6	36	+ 3	0	46	− 2	+ 2
7	+ 4	− 1	17	− 2	+ 1	27	+ 6	− 6	37	0	+ 2	47	− 6	− 3
8	+ 3	− 1	18	− 1	+ 2	28	0	0	38	+ 2	− 2	48	+ 3	+ 6
9	0	+ 4	19	− 12	+ 3	29	+ 3	+ 1	39	+ 6	0	49	+ 5	− 4
10	0	− 2	20	− 6	+ 2	30	+ 4	− 1	40	+ 3	− 2	50	+ 1	− 4

(¹) Observadas en δ solamente. (²) Mayo 20, los péndulos patrones en reparación.

Correcciones de zonas *(conclusión)*

Zonas	Δα	Δδ	Zonas	Δα	Δδ	Zonas	Δα	Δδ	Zonas	Δα	Δδ	Zonas	Δα	Δδ
51	−0ˢ.04	+0″.2	81	−0ˢ.03	−0″.1	111	+0ˢ.02	+0″.6	141	0	−0″.2	171	−0ˢ.03	−0″.1
52	− 3	− 4	82	+ 3	− 4	112	+ 2	+ 6	142	+0ˢ.09	0	172	0	0
53	− 13	− 5	83	+ 4	− 7	113	+ 9	+ 2	143	+ 2	− 2	173	+ 7	+ 1
54	+ 8	+ 3	84	0	+ 3	114	+ 9	+ 1	144	− 3	+ 4	174	− 1	− 2
55		− 5	85	+ 1	− 2	115	+ 2	− 4	145	+ 1	− 1	175	− 2	− 4
56	− 4	0	86	− 1	+ 2	116	− 7	−1.0	146	− 5	+ 3	176	− 5	− 3
56	− 4	+ 6	87	0	− 1	117	+ 12	+ 4	147	+ 6	+1.0	177	− 6	− 2
58	− 6	+ 4	88	+ 1	+ 3	118	− 5	+1.0	148	+ 5	+ 1	178	+ 10	− 4
59	0	− 2	89	+ 1	− 5	119	− 1	+ 6	149	+ 1	− 3	179	0	+ 1
60	− 2	+ 2	90	+ 5	0	120	− 2	+ 2	150	− 1	+ 3	180	− 7	− 4
61	+ 3	0	91	+ 5	− 2	121	+ 4	+ 7	151	+ 3	+ 4	181	+ 5	− 2
62	− 1	− 2	92	− 7	− 2	122	0	0	152	− 2	−1.3	182	0	+ 5
63	− 4	+ 1	93	− 2	− 2	123	+ 1	+ 1	153	− 2	− 5	183	−	−
64	+ 2	− 1	94	− 5	0	124	+ 1	− 3	154	− 7	+ 5	184	−	−
65	− 3	0	95	0	+ 1	125	− 8	− 4	155	− 5	0	185	0	− 1
66	− 2	0	96	− 3	0	127	0	+ 6	156	+ 3	− 3	186	0	− 3
67	− 11	+ 2	97	− 8	+ 3	127	− 1	0	157	+ 1	+ 5	187	+ 1	+ 3
68	− 1	+ 6	98	− 3	+ 2	128	+ 6	− 4	158	− 12	+ 2	188	+ 2	− 1
69	− 4	+ 4	99	− 2	0	129	+ 5	+ 2	159	+ 1	− 1			
70	+ 1	+ 3	100	+ 3	0	130	+ 9	+ 3	160	0	+ 1			
71	0	0	101	+ 1	− 1	131	+ 3	− 5	161	− 2	0			
72	+ 2	− 2	102	− 6	+ 4	132	+ 1	+ 1	162	+ 1	0			
73	+ 2	+ 2	103	− 4	− 4	133	− 3	−1.2	163	+ 2	− 1			
74	0	0	104	+ 1	− 3	134	− 2	− 1	164	− 1	− 2			
75	− 4	+ 1	105	− 1	− 1	135	+ 3	+ 2	165	− 7	− 2			
76	− 5	+ 1	106	− 1	+ 1	136	+ 2	− 2	166	− 10	+ 4			
77	− 5	− 1	107	+ 2	+ 2	137	0	− 5	167	0	0			
78	+ 8	+1.0	108	+ 13	+ 1	138	− 1	− 6	168	+ 1	− 3			
79	+ 1	− 2	109	+ 6	+ 4	139	+ 1	+ 4	169	−	−			
80	− 3	− 1	110	− 1	0	140	− 1	− 3	170	− 2	− 3			

Afecté a cada observación de la corrección de zona que le correspondía y de los errores de trazo del círculo (éstos en la región del círculo que utilicé son en general muy pequeños, nunca mayores de 0″.2) y las correcciones las he introducido con una interpolación un poco ligera, pero de manera que no quedara un residuo mayor de 0″.05. Los valores, así mejorados, se dan en el *Catálogo* y los tomé de base para calcular las preseciones anuales y las variaciones seculares.

Para las preseción anual en ascención recta utilicé el valor n sen α de las tablas que se encuentran en el volumen II de los *Anales del Observatorio de Strasbourg,* calculando previamente la corrección para llevarlas del año 1900, para el que están dadas, al 1925. El valor de m utilizado fué 3ˢ.0728.

Para la preseción anual en declinación, hice uso de las tablas publicadas por el Observatorio de Abadía, y como en el caso anterior, apliqué correcciones para llevarlas al año 1925.

Las variaciones seculares se sacaron de tablas que previamente había calculado con ayuda de los valores de ABC y A′B′ que se dan en el volumen II de Strasbourg, pero corregidos para llevarlos a Newcomb y a 1925. Adopté como intervalos para la tabla : en ascención recta 4ᵐ y en declinación 15′ y la extendí en esta última coordenada desde 61°30′ a 66°30′.

Todos los diferentes cálculos han sido controlados haciéndolos dos veces; las tablas se controlaban por las diferencias, para los valores sacados de ellas se repetía independientemente la operación. Los valores discordantes de estrellas se desecharon, volviendo a efectuar nuevas observaciones.

Los $\Delta t + m$ y Puntos del Ecuador calculados y tomados constantes para cada zona, los comparé con los valores individuales de cada una de las estrellas fundamentales que entró en su determinación, haciendo siempre la diferencia: promedio $\Delta t + m$ o P. del E. — $\Delta t + m$ o P. del E. de la fundamental considerada. En esta determinación no he tenido en cuenta las zonas que no estuvieran apoyadas en más de cinco fundamentales.

Doy a continuación una lista de las estrellas fundamentales y para cada una de ellas: todos los valores de las diferencias que he obtenido, el número de estrellas en que está apoyado ese residuo y el promedio en α y δ, el que puede considerarse (en valor y signo) como la corrección a introducirse. Como podrá notarse en muchas de ellas, los residuos presentan un carácter tan sistemático que no hay duda que deben tenerse en cuenta, para mejorar las posiciones del *Catálogo*. Con ese objeto, doy también la lista de estrellas fundamentales que he tomado en cada zona, de manera que fácilmente puede determinarse la corrección a introducir en cada estrella que se tenga que utilizar.

Estas correcciones las he tenido en cuenta para las 39 estrellas fundamentales que están dentro de mi zona, habiéndolas combinado con los resultados de las observaciones efectuadas como de programa.

Correcciones de estrellas fundamentales

α	δ	
Tucanae 45 G		
0^h0^m	$-71°53'$	
$+0^s.02$	$+0''.2$	9
ζ Tucanae		
0^h15^m	$-65°21'$	
$+0^s.11$	$+0''.1$	14
$+.12$	$-.2$	13
$+.6$	$-.3$	12
$+.13$	$+.5$	12-13
$+.31$	$-.1$	15
$.0$	$+.2$	6
$-.15$	$-.1$	13
$+.6$	$+.3$	11
$+.5$	$-.5$	9
$+.3$	$+.2$	6
$-.6$	$-.9$	6
$+0^s.060$	$-0''.07$	
Phoenicis 58 G		
0^h30^m	$-52°49'$	
$+0^s.02$	$+0''.3$	14
$-.1$	$+1.7$	13
(Sigue.)		

α	δ	
$+0^s.16$	$+1''.2$	16-18
$+.11$	$+1.7$	12-14
$-.8$	$+1.2$	12
$-.8$	$+.8$	13
$+.1$	$+1.1$	12-13
$+.19$	-2.2	6
$+0^s.040$	$+0''.73$	
η Phoenicis		
0^h39^m	$-57°54'$	
$-$	$+0''.5$	18
$-0^s.16$	-1.7	12-14
$+.11$	$-.4$	13
$-0^s.025$	$-0''.53$	
λ Hydri		
0^h46^m	$-75°22'$	
$-$	$-1''.0$	18
$-0^s.17$	$-.5$	12-14
$-.24$	$-.7$	13
$-.35$	$-.1$	15
$-.33$	$+.4$	6
$-.6$	$+.6$	11
$-0^s.230$	$-0''.21$	

α	δ	
λ Tucanae		
0^h52^m	$-69°58'$	
$+0^s.02$	$-0''.4$	14
$+.4$	$-.5$	13
$+.22$	$+.1$	12
$+.10$	$.0$	12-13
$+0^s.095$	$-0''.20$	
i Tucanae		
1^h4^m	$-62°12'$	
$-0^s.04$	$-0''.3$	14
$-.2$	$+.3$	13
$-.12$	$+1.7$	12
$-.15$	$-.8$	12-13
$-.3$	$-.6$	13-10
$-.17$	$-.3$	9
$+.2$	$-.2$	6
$-0^s.073$	0	
Hydri 9 G		
1^h22^m	$-64°47'$	
$+0^s.11$	$+1''.5$	16-18
$+.10$	$-.7$	12-14
$-.12$	$-.2$	13
(Sigue.)		

α	δ	
$-0^s.31$	$+0''.6$	15
$+.20$	$+.1$	6
$+.13$	$-.4$	13
$+0^s.019$	$+''.015$	
$\varkappa$ Eridani		
1^h35^m	$-57°39'$	
$-0^s.05$	$+0''.3$	12
$-.18$	$.0$	12-13
$-.11$	$.0$	13-10
$+.6$	$+.5$	9
$-.4$	$-.1$	6
$-.24$	$+2.6$	15
$-0^s.093$	$+0''.15$	
q^2 Eridani		
1^h43^m	$-53°55'$	
$-0^s.08$	$-0''.4$	12
$-$	$-.5$	13
$-0^s.080$	$-0''.45$	
χ Eridani		
1^h53^m	$-52°0'$	
$-0^s.29$	$+0''.8$	15
Sigue.		

Correcciones de estrellas fundamentales *(continuación)*

α	δ	
+0ˢ.02	+0″.5	6
+ 6	+1.5	13
+0ˢ.010	+0″.93	

η^2 Hydri

1ʰ53ᵐ −68°2′

−0ˢ.03	−0″.7	16-18
+ 5	− 8	12-14
− 14	− 3	13
0	− 8	13-10
− 20	− 4	9
− 22	+ 3	6
− 12	−1.0	15
− 22	− 2	7
−0ˢ.110	−0″.49	

α Hydri

1ʰ56ᵐ −61°57′

−0ˢ.01	−0″.8	16-18
− 12	+ 1	12-14
− 14	+ 2	12
+ 12	+ 4	13
− 17	+ 1	12-13
− 4	−1.0	15
− 1	+ 6	7
−0ˢ.053	−0″.05	

φ Eridani

2ʰ14ᵐ −51°53′

−0ˢ.01	+0″.4	16-18
− 3	+1.2	12-14
− 15	− 2	13
− 5	− 2	12-13
+ 13	− 5	13-10
+ 2	− 3	9
+ 15	− 8	15
− 7	− 2	6
+ 2	+ 3	13
+ 8	+1.5	6
+ 8	0	15
—	−1.1	6
− 6	+ 2	8-10
− 15	+ 2	6
0	− 2	11
0	0	

δ Hydri

2ʰ20ᵐ −69°3′

−0ˢ.02	−0″.7	16-18
− 5	− 4	12-14

(Sigue.)

α	δ	
−0ˢ.07	−0″.2	13
+ 16	− 7	13-10
+0ˢ.005	−0″.50	

λ Horologii

2ʰ23ᵐ −60°40′

−0ˢ.03	+0″.6	6
−0ˢ.030	+0″.60	

η Horologii

2ʰ35ᵐ −52°53′

+0ˢ.20	+0″.8	16-18
+ 13	0	13
+ 14	+ 1	13-10
− 25	+ 4	15
+ 15	− 9	6
+ 25	0	13
—	+1.1	7
+ 16	+1.0	8-10
+ 16	+ 7	6
+ 22	+ 7	11
+ 22	+ 5	10
+ 29	+1.4	11
+ 35	+1.0	7
+ 11	+ 1	9
+ 35	+ 5	8-9
+0ˢ.177	+0″.41	

μ Horologii

3ʰ2ᵐ −60°3′

−0ˢ.03	−0″.1	15
−0ˢ.030	−0″.1	

9 Hydri

3ʰ2ᵐ −72°13′

+0ˢ.38	−0″.9	15
+0ˢ.380	−0″.90	

Horologii 38 G

3ʰ11ᵐ −57°37′

+0ˢ.02	+0″.4	16-18
+ 18	+ 5	13-10
+ 6	+2.0	15
+ 12	+ 9	12
0	+ 7	10

(Sigue.)

α	δ	
+0ˢ.03	+0″.2	7
− 1	+ 2	9
− 1	−	9
+0ˢ.049	+0″.70	

i Hydri

3ʰ18ᵐ −77°41′

0	+0″.9	16-18
−0ˢ.06	+ 6	13-10
− 2	+1.7	15
− 1	+ 6	13
—	+ 6	7
− 21	+ 9	8-10
− 2	+ 3	6
− 20	+ 5	11
− 11	+1.0	11
+ 12	—	9
−0ˢ.057	+0″.80	

χ Reticuli

3ʰ28ᵐ −63°13′

+0ˢ.27	−0″.1	15
+0ˢ.270	−0″.10	

β Reticuli

3ʰ43ᵐ −65°4′

−0ˢ.14	0	15
− 8	+0″.8	12
+ 3	− 2	6
+ 1	+ 4	8
− 9	+ 5	10
− 3	+ 1	11
− 4	0	7
− 7	0	9
− 11	− 1	8-9
−0ˢ.058	+0″.17	

γ Hydri

3ʰ48ᵐ −74°29′

−0ˢ.09	+0″.6	16-18
− 28	+1.1	13-10
− 10	+ 3	13
− 25	+ 4	15
—	+ 2	7
− 3	+1.2	12
− 8	+1.0	8-10
− 6	+ 1	11
−0ˢ.127	+0″.70	

α	δ	

Doradus 1 G

3ʰ53ᵐ −52°55′

+0ˢ.05	+0″.6	13-10
− 9	+1.0	13
+ 4	+ 8	15
—	+ 6	7
− 8	− 2	12
+ 5	− 3	8
+ 3	− 1	6
+ 6	+ 1	11
+ 9	− 4	8
+ 4	+ 5	10
− 5	− 7	11
+ 1	− 4	7
− 11	− 2	9
− 3	− 3	8-9
0	0	

δ Reticuli

3ʰ57ᵐ −61°38′

+0ˢ.10	−0″.7	16-18
+ 18	− 8	15
− 4	− 5	9
—	−1.4	7
+ 3	− 8	12
+ 14	0	8
− 7	−1.2	6
− 7	− 8	11
− 3	− 3	8
− 6	+ 2	10
+ 8	− 3	11
+ 2	−1.3	7
+ 3	− 1	9
+ 6	− 8	8-9
+ 6	—	9
+0ˢ.041	−0″.63	

α Reticuli

4ʰ13ᵐ −62°40′

0	−0″.3	8
+0ˢ.06	− 5	10
+ 3	− 8	11
− 7	0	9
− 3	− 4	7
0	−0″.40	

η Reticuli

4ʰ21ᵐ −63°35′

−0ˢ.04	+1″.0	10
+ 2	+ 4	7
0	+ 1	6
−0ˢ.007	+0″.50	

Correcciones de estrellas fundamentales *(continuación)*

α Doradus

4^h32^m $-55°13'$

α	δ	
−0ˢ.26	−0″.8	13
− 12	− 8	15
+ 1	− 8	7
− 10	− 5	9
− 16	−1.6	12
− 25	− 8	8
− 24	− 8	10
− 13	+ 2	7
−0ˢ.158	−0″.74	

β Mensae

5^h4^m $-71°25'$

α	δ	
+0ˢ.12	−0″.9	13
+ 2	− 9	15
+ 10	− 3	7
+ 11	− 4	9
+ 21	+ 1	12
+ 20	− 7	8-10
+ 23	− 1	11-12
− 3	+ 7	7
+0ˢ.120	−0″.31	

θ Doradus

5^h14^m $-67°17'$

α	δ	
−0ˢ.10	0	13
− 15	−1″.0	11
− 11	0	8
− 4	− 4	10
+ 4	+ 6	9-6
− 5	+ 2	6
− 9	+ 4	9
− 3	−1.1	7
− 4	− 3	6
−0ˢ.063	−0″.18	

β Doradus

5^h33^m $-62°33'$

α	δ	
+0ˢ.02	+1″.8	11-12
− 15	− 4	11
− 15	− 6	12
+ 2	− 1	6
−0ˢ.065	+0″.18	

γ Mensae

5^h35^m $-76°24'$

α	δ	
+0ˢ.19	−0″.8	15
− 17	− 3	7

(Sigue.)

α	δ	
−0ˢ.15	+0″.2	9
+ 7	− 3	12
−	− 6	10
− 14	− 1	11-12
+ 15	− 4	12
−	−1.7	12
− 4	− 5	11
− 11	− 3	8
− 8	− 8	11
− 9	− 1	9
+ 11	+ 2	9-6
− 6	+ 3	6
− 3	0	9
−	+ 2	6
−0ˢ.027	−0″.21	

δ Doradus

5^h45^m $-65°46'$

α	δ	
+0ˢ.07	+1″.3	7
− 1	+ 6	9
− 1	+ 3	12
+ 7	0	9
+ 4	+ 7	12
+ 6	+ 5	11-12
+ 5	+ 9	12
+ 3	+ 8	9
+ 10	+1.0	10
+ 17	0	7
+ 5	+ 1	11
+ 3	+ 8	8
− 9	+ 2	11
+ 9	+ 2	9
+ 1	− 1	8-9
+ 4	− 3	9-6
+ 20	− 3	6
+ 9	0	9
+ 5	+ 1	6
+0ˢ.055	+0″.36	

γ Pictoris

5^h48^m $-56°11'$

α	δ	
+0ˢ.10	+0″.9	15
+ 23	− 2	7
− 2	− 1	9
+ 3	− 3	12
−	− 5	10
+ 9	+ 5	11-12
− 10	0	9
+ 14	+ 4	12
+ 11	+ 2	12
− 2	− 7	10
+ 8	− 6	7
+ 8	0	8
+ 11	− 7	10
+ 3	− 5	11

(Sigue.)

α	δ	
+0ˢ.01	−0″.5	9
+ 4	−1.0	8-9
+ 9	− 2	9
+ 12	−1.3	7
− 2	− 6	12
+0ˢ.061	−0″.27	

Pictoris 47 G

6^h6^m $-62°8'$

α	δ	
+0ˢ.03	+0″.1	12
− 3	− 4	11-12
+ 5	+ 1	9
+ 5	+ 1	8-9
+0ˢ.025	0	

ε Pictoris

6^h9^m $-54°57'$

α	δ	
−0ˢ.01	+0″.8	12
− 2	+ 4	7
− 15	− 1	11
− 2	0	8-9
−0ˢ.050	+0″.28	

α Mensae

6^h13^m $-74°44'$

α	δ	
+0ˢ.26	+0″.4	11
+ 14	+ 6	11
−	+ 7	9
+0ˢ.200	+0″.57	

α Argus

6^h22^m $-52°39'$

α	δ	
+0ˢ.12	+0″.5	15
+ 22	− 1	9
+ 7	−	12
+ 12	−1.4	11-12
− 6	+1.3	9
0	0	10
0	− 1	12
+ 13	− 5	10
+ 10	−1.1	7
+0ˢ.078	−0″.18	

π² Doradus

6^h26^m $-69°39'$

α	δ	
−0ˢ.15	−0″.1	11-12
− 23	− 2	9

(Sigue.)

α	δ	
+0ˢ.05	0	12
− 30	−0″.9	11
− 21	− 8	12
− 18	− 4	9
+ 2	− 2	10
+ 10	0	10
− 33	+ 1	7
− 25	+ 4	6
− 18	− 3	9
− 24	+1.1	7
−0ˢ.157	−0″.11	

α Pictoris

6^h47^m $-61°51'$

α	δ	
−0ˢ.03	+1″.0	11-12
+ 1	+ 7	12
− 17	+ 3	11-12
− 6	− 3	12
− 8	+ 4	9
− 8	− 2	6
− 6	− 5	10
− 6	+ 2	10
− 3	+ 2	7
− 16	− 1	6
− 13	−	6
− 15	+ 6	9-6
+ 1	+ 2	6
−0ˢ.063	+0″.21	

i Volantis

6^h52^m $-70°52'$

α	δ	
−0ˢ.02	+0″.8	12
+ 10	+ 5	11-12
+ 7	+ 2	6
− 14	+ 6	10
+ 5	− 1	6
+ 6	−	6
+0ˢ.020	+0″.40	

Carinae 27 G

7^h3^m $-56°37'$

α	δ	
+0ˢ.19	−0″.8	15
+ 9	− 7	9
− 1	− 1	12
− 19	− 9	12
+ 10	+ 1	11-12
+ 1	− 4	12
+ 7	+ 2	9
+ 10	+ 2	6
− 2	+ 2	10
+ 15	− 3	7
+ 4	0	6
0	−	7

(Sigue.)

Correcciones de estrellas fundamentales *(continuación)*

α	δ	
+0ˢ.12	−0″.3	6
+ 8	+ 1	9
+ 4	+ 6	7
+ 6	0	12
0	−1.0	10
− 5	—	8
+ 9	+1.6	7
+0ˢ.067	−0″.09	

ζ Volantis

7^h43^m $\quad -72°25'$

+0ˢ.12	+1″.2	7
+ 11	+1.0	7
+ 15	+1.3	9-10
+ 18	+ 8	11
− 7	+ 5	10
+ 14	+1.1	8
—	+ 4	9
—	+ 6	11
+0ˢ.105	+0″.88	

Volantis 19 G

7^h49^m $\quad -65°59'$

+0ˢ.13	−0″.3	10

χ Argus

7^h55^m $\quad -52°45'$

+0ˢ.14	+0″.6	6
− 20	−1.8	7
+ 6	− 6	10-11
0	+ 4	12
− 14	+ 5	10
− 16	−1.3	8
− 15	+ 1	8-9
− 11	+ 1	10-11
−0ˢ.070	−0″.15	

ε Argus

8^h20^m $\quad -59°15'$

−0ˢ.04	+0″.1	11
− 3	+ 1	11-12
− 1	− 7	8
+ 5	− 3	9
−0ˢ.008	−0″.17	

θ Chamaeleontis

8^h23^m $\quad -77°14'$

+0ˢ.05	+1″.1	10-11
—	− 6	12

(Sigue.)

α	δ	
+0ˢ.16	0	11-12
+ 14	+0″.3	9
+0ˢ.117	+0″.20	

β Volantis

8^h25^m $\quad -65°52'$

−0ˢ.15	+1″.0	11
+ 2	+ 3	12
+ 7	0	10
− 4	—	6
− 9	+ 7	8
− 12	+ 3	9
+ 6	+1.9	7
− 13	− 6	12
+ 5	+ 3	7
−0ˢ.037	+0″.49	

d Carinae

8^h38^m $\quad -59°29'$

+0ˢ.13	+1″.2	12
—	+1.8	8
+ 17	—	8
+ 10	+ 3	7
+0ˢ.133	+1″.10	

ĉ Argus

8^h42^m $\quad -54°25'$

0	+0″.1	9-10
−0ˢ.05	− 9	10
+ 4	+ 1	10
− 11	+ 3	10
+ 6	0	8-9
− 19	+ 1	10-11
− 6	+ 1	12
+ 3	− 8	10
+ 8	+ 1	8-6
− 12	− 9	7
−0ˢ.032	−0″.18	

c Carinae

8^h53^m $\quad -60°20'$

−0ˢ.09	−0″.3	10-11
− 12	− 6	9-10
− 14	−1.0	10
− 25	+ 7	12
+ 2	−1.0	9
− 10	− 8	10
+ 5	−1.4	10
+ 6	—	6

(Sigue.)

α	δ	
+0ˢ.03	−1″.0	10
− 9	−1.0	8-9
− 8	−1.0	10-11
+ 14	−1.3	12
− 1	—	10
+ 6	+ 1	8-6
− 15	−1.4	7
− 10	−2.0	6
− 5	−1.7	6
−0ˢ.048	−0″.91	

x Volantis

9^h1^m $\quad -66°5'$

+0ˢ.07	+0″.7	7
+ 3	+ 5	11
+ 11	+1.2	10
− 14	+ 5	11-12
+ 26	+ 1	9
− 1	+ 5	12
+ 3	+ 1	12
+ 8	+ 5	10
+ 1	—	6
+ 21	− 3	8
− 10	+1.2	7
+ 4	− 4	6
+ 15	− 2	6
+0ˢ.058	+0″.37	

G Carinae

9^h5^m $\quad -72°17'$

+0ˢ.57	+0″.1	11-12
+ 75	− 7	9
+ 49	—	12
+0ˢ.603	−0″.30	

β Argus

9^h12^m $\quad -69°23'$

−0ˢ.02	−0″.1	11-12
− 2	+ 2	9
− 10	−1.6	12
−0ˢ.047	−0″.50	

i Argus

9^h14^m $\quad -58°56'$

+0ˢ.15	−0″.8	7
+ 4	− 7	11
+ 12	− 1	11-12
+ 12	− 4	9
− 9	+ 3	12

(Sigue.)

α	δ	
+0ˢ.02	−0″.2	11-12
+ 9	—	6
+ 10	+1.1	8
+0ˢ.069	−0″.11	

k Argus

9^h19^m $\quad -54°40'$

0	−0″.8	7
−0ˢ.06	+ 1	9
− 3	− 7	10
− 3	+ 3	6
−0ˢ.030	−0″.28	

N Velorum

9^h29^m $\quad -56°41'$

−0ˢ.07	−0″.9	6
− 8	0	7
0	+ 5	10-11
− 4	− 7	9-10
− 11	− 4	10
− 5	+ 7	11-12
− 1	− 2	9
− 17	− 6	6
− 2	− 9	10
+ 4	− 1	6
− 3	− 9	10
− 3	− 6	8-9
− 20	− 6	10-11
− 14	− 4	6
− 9	− 9	6
−0ˢ.064	−0″.40	

H Carinae

9^h31^m $\quad -72°44'$

+0ˢ.04	+0″.8	6
− 11	+ 6	9-10
− 10	+ 6	10
+ 14	+1.0	10
+ 18	+ 5	8-9
+ 12	+ 5	10-11
+ 20	+1.1	12
+ 21	+ 6	6
+ 7	+ 4	6
+0ˢ.083	+0″.68	

l Carinae

9^h43^m $\quad -62°8'$

+0ˢ.07	−0″.9	7
− 8	+ 3	6

Sigue.

Correcciones de estrellas fundamentales *(continuación)*

α	δ		
0	+1″.2	10	
0	— 1	14	
+0ˢ.09	+ 6	12	
+ 8	+ 7	10	
+0ˢ.027	+0″.30		

υ Argus

9^h45^m $-64°42'$

+0ˢ.06	+0″.6	16
+ 2	— 4	6
+ 10	— 4	14
+ 1	+1.1	12
+0ˢ.048	+0″.22	

φ Argus

9^h54^m $-54°11'$

+0ˢ.06	—1″.1	13
— 4	0	6
— 4	— 4	10
—0ˢ.007	—0″.50	

ω Argus

10^h12^m $-69°38'$

—0ˢ.30	—0″.6	6
— 23	+ 3	7
— 36	—1.1	7
— 34	0	11
— 24	+ 5	13
— 25	0	6
— 29	— 4	11-12
— 13	— 3	12
— 26	+ 5	9
— 25	0	6
— 18	+ 1	10
— 23	— 1	10-11
— 12	+ 3	10
— 12	— 2	10
— 25	+ 3	6
— 22	— 2	12
— 9	+ 1	10
— 23	0	8-6
— 26	+ 5	6
— 27	+ 2	6
—0ˢ.235	0	

F Carinae

10^h23^m $-73°37'$

+0ˢ.14	—0″.6	10-11
+ 13	— 1	10

(Sigue.)

α	δ		
—0ˢ.06	—0″.6	11	
— 2	—1.4	9	
+ 4	— 9	12	
+ 14	— 7	8	
— 15	— 5	14	
0	— 4	10	
+ 10	+ 5	10	
+ 13	—1.0	8-6	
— 6	— 6	6-7	
+ 1	— 5	9	
+ 13	— 7	10	
+ 9	— 5	8	
+0ˢ.045	—0″.51		

s Carinae

10^h25^m $-58°20'$

+0ˢ.05	—0″.4	10
+ 3	— 2	8-6
+ 9	— 1	6
+ 16	+ 3	6
+0ˢ.082	—0″.10	

p Carinae

10^h29^m $-61°16'$

—	—0″.9	10
—0ˢ.03	— 8	11
— 8	— 9	13
— 7	0	6
— 8	+ 5	8-9
— 4	— 5	8-7
— 8	— 3	14
— 5	—1.0	10
— 8	+ 1	10
— 16	— 7	8-6
—0ˢ.074	—0″.45	

χ Carinae

10^h50^m $-58°26'$

—0ˢ.07	—0″.5	10-11
— 6	— 5	9-10
+ 2	+ 3	9
+ 21	—1.1	13
+ 8	— 3	6
+ 6	— 2	8
+ 7	— 3	10-11
+ 14	—1.6	8-7
+ 2	— 9	9
+ 6	— 6	9
+ 14	+ 3	10
+ 9	+ 4	8
+0ˢ.060	—0″.42	

α	δ		
Carinae 259 G			
11^h4^m	$-70°27'$		
—0ˢ.22	0	11	
+ 11	0	13	
+ 16	+0″.2	6	
+ 2	+1.5	7-8	
+ 8	+ 5	6-7	
+ 17	— 2	14	
+ 16	+1.1	10	
+ 6	— 8	9	
0	+ 2	9	
+ 20	— 1	9	
+ 16	— 3	10	
+ 2	+1.4	8	
+ 13	— 2	10	
+0ˢ.081	+0″.25		
x Carinae			
11^h5^m	$-58°32'$		
+0ˢ.13	—1″.1	9	
+ 1	— 4	10	
+0ˢ.070	—0″.75		
Carinae 264 G			
11^h9^m	$-63°44'$		
—0ˢ.04	—0″.3	11	
+ 3	+ 5	11	
+ 6	+ 2	10	
+ 6	0	10-11	
+ 16	— 4	10	
— 1	0	6	
— 2	+ 4	14	
— 6	— 4	7-6	
+ 12	— 3	6-7	
+ 8	0	8	
+ 9	— 5	10	
+ 14	— 3	9	
+ 2	— 5	10	
+0ˢ.048	—0″.12		
π Centauri			
11^h17^m	$-54°3'$		
+0ˢ.07	+0″.2	6	
+ 27	+ 3	7	
— 9	+ 7	10-11	
+ 6	— 1	11	
— 1	+ 7	10	
+ 26	+ 7	11	
+ 23	+ 8	9	
+ 10	— 6	7-8	
+ 12	+ 4	6-8	

(Sigue.)

α	δ		
—0ˢ.3	+0″.0	10	
— 7	— 4	14	
— 8	— 7		
+ 3	— 9	7-8	
— 2	+ 2	8	
— 5	— 4	10	
+ 1	— 5	9	
— 8	— 5	6-7	
+ 3	— 8	9	
0	— 5	10	
+ 9	— 2	8	
—	—1.3	6	
+0ˢ.042	—0″.11		

λ Centauri

11^h32^m $-62°35'$

—0ˢ.08	—0″.8	10-11
+ 3	+ 3	8-7
+ 13	+ 2	10-11
+ 10	+ 1	6
+ 14	— 9	9
+ 13	0	9
—	—1.1	6
+0ˢ.075	—0″.31	

λ Muscae

11^h42^m $-66°17'$

+0ˢ.13	+0″.1	6
— 30	+ 4	7
— 5	— 3	10-11
+ 9	+ 1	9-10
— 21	— 6	11
+ 2	— 4	10
— 5	+ 3	11
— 15	— 1	9
+ 1	+ 5	8-7
+ 8	+ 1	8-9
— 21	+ 2	10.
— 4	+ 4	10-11
— 6	+ 5	8-7
— 14	+ 2	10
+ 2	+ 4	9
— 4	+ 1	9
— 6	+ 4	6-7
— 2	— 4	9
— 2	+ 4	10
— 3	+ 3	8
—	+1.0	6
—0ˢ.054	+0″.21	

Centauri 65 G

11^h42^m $-60°44'$

—	+0″.6	11
+0ˢ.08	— 4	9-10

(Sigue.)

Correcciones de estrellas fundamentales *(continuación)*

α	δ	
$-0^s.02$	$-0''.2$	11
— 3	— 4	9
— 2	+ 1	13
— 6	+ 3	6
+ 7	+ 5	8-9
— 14	+ 5	8-7
— 5	+ 1	10
$-0^s.020$	$+0''.12$	

ζ Crucis

12^h11^m $\quad -58°18'$

$+0^s.01$	0	6
— 13	$+0''.5$	10
0	— 8	7
—	— 2	6
$-0^s.040$	$-0''.12$	

ε Muscae

12^h13^m $\quad -67°31'$

$+0^s.25$	$+0''.4$	7
— 4	— 1	10-11
+ 9	— 1	9-10
+ 10	— 1	11
— 2	+ 2	10
+ 6	— 8	10
+ 12	$-1''.4$	7
$+0^s.090$	$-0''.27$	

ε Crucis

12^h17^m $\quad -59°58'$

$-0^s.01$	$-0''.4$	12
— 5	+ 5	10
— 2	+ 6	7
$-0^s.027$	$+0''.23$	

α Crucis *m*

12^h22^m $\quad -62°39'$

—	$+1''.1$	6
—	$+1''.9$	8
—	$+1''.50$	

γ Crucis

12^h27^m $\quad -56°40'$

0	$+0''.2$	11
$-0^s.03$	+ 7	9
— 21	0	13
— 7	— 1	7

(Sigue.)

α	δ	
$-0^s.12$	0	7-8
+ 8	$-0''.6$	6-7
+ 3	$-1''.1$	8-7
+ 15	+ 3	10
+ 5	— 5	10
+ 9	+ 2	8-7
+ 6	— 4	10
— 4	— 2	14
— 5	— 4	7-6
— 1	— 1	7-8
+ 7	— 5	8
+ 5	0	10
— 13	— 4	12
— 1	$-1''.0$	9
+ 1	+ 2	10-11
+ 2	— 6	8-9
— 3	— 3	6
+ 8	— 8	10
— 8	$-1''.3$	9
+ 15	— 5	9
+ 10	— 4	9
+ 3	+ 7	7
$+0^s.012$	$-0''.26$	

γ Muscae

12^h28^m $\quad -71°42'$

$-0^s.06$	$+0''.5$	9
+ 7	+ 1	13
+ 11	+ 5	6
+ 8	+ 2	7
—	+ 9	8
— 12	— 8	6-7
— 14	+ 8	8-7
— 22	$-1''.2$	12
— 12	— 3	9
+ 3	+ 5	10
— 1	— 3	8-7
— 7	+ 5	10
— 5	+ 9	14
+ 1	+ 7	7-6
— 9	+ 6	7-8
+ 2	0	8
— 15	— 7	10
0	+ 2	12
+ 4	— 1	9
— 3	— 1	10
+ 10	+ 2	10
+ 11	+ 4	10
— 6	—	9
— 11	$+1''.0$	9
— 14	0	9
+ 14	+ 8	6-7
+ 4	+ 4	9
— 1	+ 5	10
1	— 4	8
— 5	+ 8	7
—	+ 4	6
$-0^s.024$	$+0''.26$	

α	δ	
$+0^s.04$	$-0''.6$	7
+ 12	+ 2	13
— 8	+ 3	6
— 2	$-1''.0$	7
— 3	— 8	7-8
— 9	+ 7	6-7
— 10	+ 5	8-7
— 1	$+1''.1$	8-7
— 6	+ 8	10
+ 2	— 2	6
+ 4	+ 2	7-6
—	+ 7	8
— 11	+ 3	8
— 24	+ 5	10
— 7	+ 8	12
— 13	— 6	10
— 11	— 2	11
— 15	0	10-11
— 19	— 4	8-9
— 20	— 2	10
— 35	+ 4	10
— 22	+ 1	6
— 16	+ 4	10
— 21	+ 4	9
— 19	—	9
+ 9	+ 5	9
— 13	+ 4	9
— 17	+ 5	9
— 5	+ 4	10
— 12	+ 5	8
— 6	+ 5	10
— 19	+ 7	13-8
$-0^s.101$	$+0''.23$	

α Muscae

12^h32^m $\quad -68°42'$

β Muscae

12^h41^m $\quad -67°40'$

$+0^s.08$	$+0''.5$	11
— 4	— 6	13
0	— 1	6
+ 12	+ 6	7
+ 3	+ 3	7-8
— 3	+ 4	6-7
— 8	+ 1	12
+ 3	+ 7	10
— 18	— 4	10
— 3	—	8
+ 8	+ 5	10
— 10	+ 3	14
— 3	+ 3	7-6
+ 6	— 1	8
+ 11	+ 1	10
— 18	— 3	12
— 1	— 4	11
— 15	+ 1	6

(Sigue.)

α	δ	
$-0^s.11$	$-1''.3$	8
— 5	+ 4	10
— 16	— 1	13-8
$-0^s.030$	$+0''.05$	

β Crucis

12^h43^m $\quad -59°15'$

$+0^s.19$	0	8-7
0	$-0''.2$	7-8
+ 5	— 9	10
— 10	— 4	10-11
+ 17	— 6	8-9
— 10	— 5	10
— 1	— 2	10
+ 14	— 5	10
— 11	$-1''.0$	6-7
$+0^s.026$	$-0''.48$	

ζ Muscae

12^h57^m $\quad -71°7'$

$+0^s.18$	$+0''.3$	11
+ 23	— 1	9
+ 21	— 4	6
0	— 4	7
+ 19	— 5	7-8
—	— 5	7
+ 15	— 7	8-7
+ 6	+ 2	12
+ 11	— 2	10
+ 16	— 6	10
+ 16	+ 1	14
+ 17	— 3	7-6
+ 7	— 4	7-8
+ 10	— 4	9
+ 20	—	9
+ 5	+ 7	7
$+0^s.136$	$-0''.21$	

Centauri 177 G

13^h3^m $\quad -53°2'$

$+0^s.22$	$-0''.6$	12
+ 6	— 2	10
+ 7	+ 1	8
+ 10	+ 7	10
0	+ 6	10
+ 5	+ 3	11
+ 8	— 3	10
+ 1	— 3	10
+ 3	— 3	10
+ 6	+ 2	6
+ 6	— 5	10
+ 3	—	9
— 01	—	9

(Sigue.)

Correcciones de estrellas fundamentales *(continuación)*

α	δ	
+0ˢ.13	−0″.2	10
+ 20	— 5	7
+ 13	−1.1	6-7
+0ˢ.076	−0″.15	

Centauri 183 G

13^h7^m $-59°30'$

+0ˢ.15	+0″.9	7
+ 17	0	6-7
+0ˢ.160	+0″.45	

γ Muscae

13^h10^m $-67°28'$

−0ˢ.27	+0″.2	11
— 11	+1.8	13
— 26	— 3	7
16	— 2	7-8
— 17	—	8
— 19	+ 9	12
— 9	0	8
— 12	0	10
— 15	— 4	8
— 19	— 4	12
— 15	+1.1	9
— 14	+ 5	10
— 14	— 8	7
— 28	— 2	13-8
−0ˢ.173	+0″.17	

Chamaeleontis 49 G

13^h32^m $-75°17'$

+0ˢ.08	−0″.5	11
— 13	+ 1	9
— 8	+ 2	13
— 8	— 3	6
— 7	— 5	12
+ 2	— 2	8
+ 3	+ 2	10
+ 14	— 3	12
+ 14	— 4	9
+ 6	— 2	11
—	— 5	11
+ 38	— 2	6
+ 20	−1.0	10
+ 28	— 5	6-7
+0ˢ.074	−0″.29	

ε Centauri

13^h34^m $-53°4'$

+0ˢ.25	−0″.6	13-14
+ 4	+ 4	6

(Sigue.)

α	δ	
+0ˢ.03	—	9
+ 10	—	9
+ 15	+0″.9	6-7
+0ˢ.114	+0″.23	

Centauri 294 G

13^h52^m $-63°18'$

+0ˢ.04	−1″.5	10-12
—	— 7	14
— 16	−1.2	11-13
— 13	— 6	10
— 7	— 6	6
— 12	—	9
— 5	+ 7	9
— 5	— 6	10
— 10	0	10
— 19	— 3	7
−0ˢ.092	−0″.53	

β Centauri

13^h58^m $-59°59'$

−0ˢ.18	+0″.4	6
+ 6	— 3	10-12
— 19	+ 2	13-14
— 13	+ 1	11-13
— 4	+ 2	10
— 4	+ 8	14
— 14	+ 5	7-8
— 8	— 5	6
— 11	— 4	11
+ 2	— 4	10
0	— 1	8-9
— 3	+ 3	6
+ 4	+ 4	10
— 14	+ 2	9
+ 19	+1.1	9
— 6	+ 9	9
— 4	+ 4	6-7
— 14	— 5	9-10
−0ˢ.056	+0″.19	

υ Centauri

14^h15^m $-56°1'$

+0ˢ.30	+0″.3	13
— 4	+ 2	10
+ 16	+ 4	6
0	+ 6	10
+ 6	+ 1	9
+ 17	—	9
0	— 2	6
— 6	0	9
+ 4	— 2	6
+ 5	−1.0	7

(Sigue.)

α	δ	
−0ˢ.08	+0″.1	8
— 2	— 6	7-9
— 16	−1.0	13-8
+0ˢ.035	−0″.11	

Circini 10 G

14^h19^m $-67°50'$

+0ˢ.08	+0″.8	12
+ 16	+ 7	8
+ 12	+1.3	10-12
— 15	+ 7	13-14
+ 13	+ 5	11-13
— 3	+ 7	10
— 2	— 3	7-6
+ 4	+ 2	6
+ 18	+ 8	6
— 1	+ 6	6
+ 14	+ 8	12
+ 2	+ 6	10
— 5	1.0	11
+ 7	1.7	10-11
— 14	+1.3	7
+ 2	— 1	7
+ 9	— 1	9-10
+ 2	— 3	9
+ 3	+ 6	8
+ 13	+ 4	13-8
+0ˢ.038	+0″.60	

α Centauri

14^h34^m $-60°31'$

−0ˢ.11	+0″.4	10

Circini 19 G

14^h39^m $-62°32'$

+0ˢ.08	0	12
+ 7	−0″.5	8
+ 10	— 4	7-6
+ 21	0	12
+ 19	+ 5	9
+ 6	—	9
+ 5	+ 1	6
— 8	0	10-9
+ 16	+ 3	9-10
+ 9	+ 5	9
+0ˢ.093	+0″.06	

Apodis 18 G

14^h49^m $-76°20'$

−0ˢ.03	+0″.2	10-9
— .	−1.0	10
— 11	— 3	9
−0ˢ.070	−0″.37	

α	δ	

Circini 29 G

14^h49^m $-59°47'$

+0ˢ.17	+1″.5	12
+ 16	+1.7	8
+ 17	+ 6	10-12
— 9	+ 6	13-14
+ 11	+ 1	11-13
— 3	— 5	7-6
+ 10	— 5	6
0	+ 2	6
+ 12	— 2	12
+ 9	+ 7	9
+ 13	+ 5	10
+ 21	+ 5	11
+ 20	+ 2	10-11
—	— 2	9
+ 9	0	10
— 4	— 3	10
+ 16	+ 6	7
+0ˢ.097	+0″.32	

γ Trianguli Australi

15^h12^m $-68°23'$

−0ˢ.08	0	10-12
— 1	−0″.4	13-14
— 7	−1.1	11-13
— 14	+ 6	6
+ 14	— 5	6
— 9	— 5	9
— 3	— 4	10
— 10	— 5	11
— 7	— 5	10-11
— 19	— 3	8-9
+ 12	+ 1	10
+ 5	— 3	10
— 9	+ 2	10
— 24	+ 2	9-7
— 18	—	9
— 13	−1.0	7
—	+ 2	7
+ 1	0	7-9
−0ˢ.065	−0″.22	

β Circini

15^h11^m $-58°30'$

+0ˢ.02	−0″.1	12
— 13	−2.4	9-7
— 8	−1.2	8
— 13	—	7
— 11	+ 3	14
— 9	— 7	12
−0ˢ.087	−0″.82	

Correcciones de estrellas fundamentales *(continuación)*

χ' Apodis

15^h23^m $\quad -73°7'$

α	δ	
$-0^s.08$	$+0''.2$	8
—	+ 6	12
— 6	+1.3	13-14
— 17	+ 3	11-13
— 4	— 5	6
— 7	0	6
— 7	+ 8	12
— 4	+ 1	9
+ 1	+ 9	10
+ 5	+ 6	11
0	+ 2	10-11
+ 11	+ 2	8-9
+ 18	+ 9	10
+ 30	+ 3	10
0	+ 5	10
+ 5	+ 5	9
+ 4	+ 9	9-7
+ 24	—	9
— 5	+ 4	6
— 7	+ 6	13-8
0	$+0''.46$	

ε Trianguli Austral

15^h29^m $\quad -66°3'$

$-0^s.10$	$+0''.1$	10-9

Normae 2 G

15^h33^m $\quad -52°7'$

$+0^s.10$	$+0''.7$	11-13
+ 2	+ 9	10
+ 6	+ 6	6
— 12	— 1	6
— 8	+ 5	9
0	+1.4	8-9
— 6	+ 5	10
+ 13	— 2	10
+ 12	+ 4	9-7
+ 9	0	7-9
+ 1	—	13
+ 6	+ 2	7
— 6	+ 2	10
$+0^s.021$	$+0''.43$	

β Trianguli Austral

15^h48^m $\quad -63°11'$

$-0^s.08$	$-0''.4$	12
— 20	+ 1	9-7

Sigue.

α	δ	
$-0^s.15$	$-0''.5$	8
— 16	+ 5	10-12
+ 7	— 6	13-14
— 20	0	11-13
— 17	0	10
— 16	— 7	7-6
+ 13	−1.0	10
+ 26	— 3	14
— 4	— 6	6
— 13	— 3	6
+ 14	— 2	12
— 5	+1.5	9
+ 8	— 4	10
0	— 3	11
— 10	+ 2	10-11
— 1	+ 5	8-9
0	— 1	10
— 32	+ 2	10
— 13	+ 9	10
— 3	— 1	9
— 13	— 2	9-7
— 12	—	9
— 3	— 5	6
— 11	−1.2	7
— 6	−1.4	6-7
+ 18	— 3	7-9
— 8	+ 1	13-8
— 6	— 8	7
— 7	— 2	10
$-0^s.057$	$-0''.17$	

χ Normae

16^h7^m $\quad -54°25'$

$-0^s.11$	—	9
+ 2	$+0''.6$	10-12
+ 2	+ 9	13-14
—	+ 8	13
+ 16	+1.2	7-6
+ 1	+1.4	6
— 4	+1.1	12
0	+1.1	9
+ 11	+ 2	9
+ 16	+ 3	6
+ 16	+ 3	8
$+0^s.049$	$+0''.79$	

ζ Trianguli Australis

16^h8^m $\quad -63°29'$

$-0^s.07$	$-0''.5$	10
+ 2	+ 3	9
— 7	— 2	6
— 2	+ 2	10
+ 1	— 7	11
— 11	— 1.10	
+ 10	— 5	10

Sigue.)

α	δ	
$+0^s.03$	$-0''.6$	9
— 13	— 3	6
— 22	— 3	9
— 25	— 3	9
— 17	— 5	10-9
— 9	+ 4	11
— 5	+ 4	11
— 12	— 4	6
— 22	— 1	9-10
— 20	— 7	9
— 8	— 3	8
$-0^s.091$	$-0''.24$	

ζ Trianguli Austral

16^h20^m $\quad -69°54'$

$-0^s.11$	$+0''.2$	11

Trianguli Austral 33 G

16^h24^m $\quad -61°27'$

$+0^s.29$	—	13
+ 26	$+0''.3$	7
+ 25	— 1	10
$+0^s.267$	0	

α Trianguli Australis

16^h40^m $\quad -68°53'$

$+0^s.19$	$+0''.8$	9-7
—	— 6	12
— 8	−1.0	13-14
+ 2	−2.0	6
+ 16	0	12
+ 13	— 1	11
+ 3	+ 8	7
— 15	+ 8	6-7
0	— 4	6
+ 3	+ 8	7
— 6	— 3	7-9
— 1	+ 2	6
— 20	+ 2	8
— 10	— 5	6
— 1	+2.1	10
$-0^s.003$	$+0''.04$	

η Arae

16^h43^m $\quad -58°53'$

$+0^s.02$	—	10
6	$+0''.3$	9-10
+ 10	— 5	9
$+0^s.060$	$-0''.10$	

ζ Arae

16^h52^m $\quad -55°53'$

$+0^s.01$	—	13
— 1	$-0''.6$	7
— 1	— 3	10
0	$-0''.45$	

ε' Arae

16^h53^m $\quad -53°2'$

0	$+0''.3$	9-7
$+0^s.11$	— 5	10-12
+ 6	— 4	13-14
+ 18	+ 3	11-13
+ 17	0	10
+ 11	+ 9	7-6
0	+ 9	6
— 6	+ 8	12
— 10	+1.9	11
+ 9	+ 4	8
— 1	+ 1	9
+ 20	+ 8	9-7
+ 6	— 5	9
+ 2	+ 3	9
+ 6	+ 3	11
— 9	−1.5	11
+ 1	— 8	8
$+0^s.048$	$+0''.20$	

i Apodis

17^h13^m $\quad -70°2'$

$-0^s.01$	$+0''.9$	9-7
— 23	+ 3	10-12
— 7	— 6	6
— 5	0	12
— 2	— 1	11
+ 5	— 1	7
— 3	+1.3	6-7
+ 1	+ 1	6
— 16	— 6	7-9
— 8	— 4	6
— 11	— 1	8
— 36	— 1	6
$-0^s.088$	$+0''.05$	

δ Arae

17^h24^m $\quad -60°37'$

$-0^s.08$	$-0''.6$	10-12
— 17	+ 4	13-14
— 15	+ 1	11-13
— 15	+ 2	10

Sigue.)

Correcciones de estrellas fundamentales *(continuación)*

α	δ	
−0ˢ 09	−0″ 5	6
— 15	— 5	12
— 21	— 7	11
— 28	+1. 1	8
— 27	— 3	9
— 24	+ 4	11
— 8	— 9	7
— 1	— 6	7-9
— 9	— 4	6
— 17	— 4	8
— 19	— 9	6
+ 8	+ 3	7
— 10	— 3	10
−0ˢ134	−0″21	

π Arae

17ʰ32ᵐ −54°27′

+0ˢ 25	−0″ 2	13-14
—	+ 1	13
+ 15	+ 2	10
+ 12	+ 6	12
+ 1	+ 6	11
— 13	+1. 0	8
+ 16	+ 9	9
+ 9	— 3	9
+ 10	— 2	9
+ 22	— 5	10-9
+ 19	— 2	11
+ 5	0	11
+ 5	+1. 8	10
+ 16	+ 1	9-10
+ 16	— 2	9
+ 9	— 1	8
—	+ 1	9
+ 27	— 7	6
+ 14	— 5	8
+ 11	— 4	6
+0ˢ122	+0″10	

η Pavonis

17ʰ38ᵐ −64°41′

+0ˢ 06	−0″ 3	13-14
— 8	— 5	11-13
+ 5	−1. 2	10
— 21	−1. 0	12
— 3	−1. 1	11
+ 7	+ 1	8
— 22	— 7	9
—	— 8	7
— 9	— 7	9
— 8	— 2	9
— 12	— 2	10-9
— 12	— 2	11
— 5	+ 1	11
+ 5	+1. 8	10

(Sigue.)

α	δ	
−0ˢ 33	+1″ 0	10
— 32	+1. 4	9
— 16	— 9	9-10
— 6	— 6	9
— 5	— 6	8
+ 7	— 4	10
−0ˢ085	−0″25	

Apodis 66 G

18ʰ0ᵐ −75°54′

+0ˢ 06	+0″ 5	9-7
+ 34	+1. 3	9
+ 18	+ 9	9
+ 10	+ 3	10-9
+ 1	— 3	8
+ 23	— 2	6
—	— 5	8
—	— 6	9
+0ˢ160	+0″16	

π Pavonis

18ʰ1ᵐ −63°40′

−0ˢ 08	+1″ 4	9
— 4	+1. 6	9
— 2	+1. 1	10-9
— 13	+2. 6	10
— 1	+0. 8	6
— 3	+1. 6	7
— 15	+1. 1	9-10
— 17	+1. 1	9
0	+ 9	8
—	+1. 9	9
— 7	+ 3	6
— 18	+ 4	6
— 7	+1. 2	7
+ 4	+1. 4	10
−0ˢ070	+1″24	

Telescopii 6 G

18ʰ10ᵐ −56°3′

+0ˢ 20	—	9
+ 11	+0″ 3	6
+ 18	— 2	9
+ 10	— 2	9
+ 9	+ 5	9
+ 26	— 9	10-9
+ 12	+ 5	11
— 3	+ 9	8
+ 18	0	7
+ 13	— 1	6
+ 11	— 1	7
+ 18	+ 4	9-10

(Sigue.)

α	δ	
+0ˢ 14	+0″ 6	9
+ 12	+ 6	8
—	+ 8	6
+ 22	0	7
+0ˢ141	+0″21	

ξ Pavonis

18ʰ16ᵐ −61°32′

−0ˢ 01	−0″ 3	9-7
+ 2	−1. 8	11
+ 14	— 8	8
—	−1. 2	7
— 2	−1. 8	9
0	−1. 3	9
+0ˢ026	−1″20	

Pavonis 30 G

18ʰ23ᵐ −74°1′

−0ˢ 13	+1″ 4	9

ζ Pavonis

18ʰ34ᵐ −71°30′

−0ˢ 05	−2″ 3	12
+ 10	+1. 2	6
— 11	−1. 5	10
−0ˢ020	−0″87	

λ Pavonis

18ʰ45ᵐ −62°17′

+0ˢ 03	+0″ 3	11
— 5	+ 8	6
— 3	+ 3	11
— 1	+ 8	8
— 5	0	7
— 5	+ 1	8
−0ˢ027	+0″38	

χ Pavonis

18ʰ49ᵐ −67°20′

0	−0″ 1	9
+0ˢ 02	+ 7	11
+ 24	0	6
+ 25	+ 5	11
+ 23	+ 2	8
+ 16	+ 2	7
+ 13	+ 3	7-8
+ 3	— 1	11
+ 21	+ 5	8
+0ˢ141	+0″24	

λ Telescopii

18ʰ52ᵐ −53°3′

−0ˢ 06	−1″ 9	11
— 8	−1. 0	6
— 8	−1. 2	11
— 14	−1. 0	8
— 9	— 8	7
— 23	−1. 2	6
— 15	— 9	7
— 28	— 2	8
— 19	−2. 1	11
−0ˢ144	−1″14	

ρ Telescopii

19ʰ0ᵐ −52°27′

−0ˢ 04	+0″ 4	12
+ 5	+ 5	11
+ 22	−1. 7	8
+ 16	— 9	9
+ 14	— 1	11
+ 14	+ 2	11
+ 9	— 1	12
+0ˢ109	−0″24	

Telescopii 79 G

19ʰ21ᵐ −54°29′

+0ˢ 01	−0″ 9	6
+ 19	+ 9	7
+ 3	— 3	8
+ 7	−1. 0	11
+0ˢ075	−0″32	

Pavonis 70 G

19ʰ40ᵐ −72°42′

+0ˢ 10	−1″ 2	12
+ 17	— 8	11
+ 3	— 4	8
+ 15	+ 1	11
+ 5	−1. 0	11
+ 1	— 7	12
+ 18	— 6	9
+ 23	— 4	8
+0ˢ115	−0″63	

υ Telescopii

19ʰ42ᵐ −56°33′

−0ˢ 04	−0″ 8	10
— 22	+ 2	9
+ 2	— 5	10
−0ˢ080	−0″37	

Correcciones de estrellas fundamentales *(continuación)*

Pavonis 75 G

19^h48^m $-61°23'$

α	δ	
$-0^s.02$	$-0''.1$	11
+ 9	— 2	6
+ 6	— 3	11
— 8	— 5	8
+ 2	— 1	7
— 16	+ 9	6
— 5	0	7
— 5	+ 2	8
— 7	— 5	11
— 8	−1.0	11
$-0^s.034$	$-0''.16$	

ε Pavonis

19^h51^m $-73°7'$

$+0^s.03$	$+0''.7$	11
— 7	— 4	11
+ 2	—	7
— 16	+ 1	11
— 4	+ 3	6
+ 2	+ 2	11
+ 22	— 4	8
0	+ 2	7
— 3	+ 3	6
— 8	— 2	7-8
+ 3	+ 2	8
+ 13	— 2	11
$+0^s.006$	$+0''.07$	

ε Pavonis

20^h1^m $-66°23'$

$-0^s.10$	$-0''.1$	8
— 4	+ 5	11
— 17	— 1	6
+ 14	+ 7	11
— 18	+ 5	8
— 29	+ 3	7
— 13	— 2	9
+ 14	0	15
+ 17	+1.0	6
— 11	+ 7	7-8
— 8	+ 3	8
— 4	— 4	9
— 23	— 1	8
— 9	0	11
— 7	−1.0	11
+ 6	— 6	9
— 2	−1.3	6-7
— 2	— 2	8
$-0^s.059$	0	

ξ Telescopii

20^h1^m $-53°7'$

$+0^s.04$	$+0''.6$	12
+ 2	+ 9	11
— 11	+ 3	11
+ 5	+1.2	11
— 12	— 1	7-6
— 17	— 9	14
+ 5	— 1	7-8
+ 1	— 3	8
$-0^s.030$	$+0''.20$	

α Pavonis

20^h19^m $-57°0'$

$-0^s.14$	$-0''.3$	11
— 11	−1.0	11
— 2	— 9	12
— 10	−2.8	14
— 22	— 4	13
— 20	−1.2	6
— 14	— 1	8
$-0^s.133$	$-0''.96$	

ρ Pavonis

20^h31^m $-61°48'$

$-0^s.04$	$-1''.1$	12
+ 10	— 5	8
$+0^s.030$	$-0''.80$	

μ Octantis

20^h32^m $-76°28'$

$+0^s.12$	$+0''.5$	12
+ 4	+1.4	8
$+0^s.080$	$+0''.95$	

β Pavonis

20^h38^m $-66°29'$

$-0^s.14$	$+0''.8$	8
— 13	0	9
$-0^s.135$	$+0''.40$	

η Indi

20^h38^m $-52°12'$

$+0^s.03$	$-1''.4$	9

β Indi

20^h48^m $-58°45'$

0	$-0''.4$	8
$+0^s.09$	— 8	9
$+0^s.045$	$-0''.60$	

α Octantis

20^h55^m $-77°20'$

$+0^s.33$	$-0''.7$	9

ο Pavonis

21^h6^m $-70°27'$

$-0^s.03$	$+0''.6$	11
— 8	+ 5	11
— 3	+1.9	12
— 5	+ 4	7-6
+ 3	+ 3	14
+ 1	— 1	13
+ 13	+ 4	6
0	+1.0	9
+ 24	+1.1	9
+ 23	+1.4	8
+ 4	+1.3	11
— 13	+ 5	11
— 3	+ 3	9
—	+1.2	7
+ 25	+ 5	7
+ 5	+1.5	10
$+0^s.042$	$+0''.80$	

Indi 23 G

21^h10^m $-53°36'$

$-0^s.01$	$+0''.9$	11
+ 14	+ 2	11
+ 7	+ 9	6
+ 4	+ 9	9
+ 5	+ 8	11
$+0^s.058$	$+0''.53$	

γ Pavonis

21^h20^m $-65°44'$

$+0^s.05$	$-1''.3$	11
— 2	0	11
— 14	−2.1	6
— 17	0	9
— 16	— 6	10
— 01	+ 5	8

(Sigue.)

$-0^s.10$	$+1''.3$	11
— 3	— 8	9
+ 2	— 8	6-7
— 10	— 8	7
$-0^s.066$	$-0''.46$	

γ Indi

21^h20^m $-55°0'$

$+0^s.15$	$+0''.8$	12
+ 13	+ 5	7-6
— 1	+ 6	14
— 7	+ 2	13
— 2	+ 2	9
$+0^s.036$	$+0''.46$	

Indi 40 G

21^h32^m $-65°11'$

$+0^s.22$	$-1''.7$	10
+ 22	— 5	11
+ 16	— 9	11
$+0^s.200$	$-1''.03$	

ο Indi

21^h44^m $-70°0'$

$-0^s.01$	$-0''.1$	6
+ 12	+ 2	6
+ 5	—	6
$+0^s.053$	0	

ζ Indi

21^h53^m $-55°22'$

$-0^s.07$	0	7
— 2	$-1''.0$	6
+ 1	— 2	6
— 3	—	6
+ 7	+ 6	10
$-0^s.008$	$-0''.15$	

ε Indi

21^h57^m $-57°6'$

$-0^s.09$	$-0''.5$	11
— 5	— 3	11
— 19	+ 3	12
— 13	— 4	7-6
— 15	+ 4	14
— 22	— 2	13

Sigue.

Correcciones de estrellas fundamentales *(conclusión)*

α	δ	
−0ˢ 19	+0″ 5	6
− 3	+ 2	7
0	−1. 4	10
− 9	+ 1	11
+ 1	+ 3	11
+ 7	+ 8	6
− 10	− 4	7
− 7	+ 8	10
−0ˢ087	0	

α Tucanae

22^h13^m $-60°40'$

−0ˢ 17	+0″ 4	11
− 3	− 3	11
− 4	− 6	7
− 6	− 9	10
− 10	− 3	8
− 7	− 1	11
− 22	+ 2	9
− 6	− 1	6-7
− 11	+ 1	6
− 6	− 4	6
− 13	−	6
−0ˢ095	−0″20	

υ Indi

22^h18^m $-72°38'$

+0ˢ 15	+0″ 2	11
+ 41	+ 7	11
+ 37	+2. 0	12
+ 18	+ 7	7-6
+ 26	+1. 2	14
+ 28	− 2	13
+ 2	+1. 3	6
+ 18	−2. 4	16-18
+ 10	+1. 1	12-14
+ 45	− 1	12-11
+ 39	+1. 0	13
+ 5	−	13
+ 29	−1. 1	9
+ 35	+ 5	15
+ 29	+ 2	7
+ 30	−	8
+0ˢ254	+0″30	

Tucanae 18 G

22^h47^m $-63°37'$

+0ˢ 09	−0″ 5	7
+ 14	− 6	10
+0ˢ115	−0″55	

ρ Indi

22^h49^m $-70°30'$

+0ˢ 07	+0″ 7	11
− 8	+ 5	9
− 4	+ 2	6-7
− 20	+ 1	6
− 9	+ 8	7
+ 6	− 2	10
−0ˢ047	+0″35	

ζ Gruis

22^h56^m $-53°11'$

−0ˢ 06	−1″ 2	12
− 6	−1. 0	7-6
+ 10	+ 8	14
− 6	+ 1	13
− 3	+ 7	16-18
+ 8	+ 3	12-14
− 19	+ 5	12
− 4	− 2	12-13
− 7	−	13
− 18	− 4	9
− 3	− 8	15
0	− 1	6
− 14	−1. 2	6
− 4	− 9	7
+ 1	− 9	10
−0ˢ048	−0″29	

Indi 80 G

22^h59^m $-69°15'$

+0ˢ 14	−0″ 6	12
− 2	+ 3	6-7
+ 4	+1. 4	7
+ 20	+ 5	10
+0ˢ090	+0″40	

Tucanae 25 G

23^h12^m $-62°26'$

−0ˢ 11	+0″ 2	13
− 6	+ 5	12
− 15	−	13
+ 5	+1. 1	9
+ 9	− 1	15
− 14	+ 7	6-7
− 13	+ 3	10
−0ˢ064	+0″45	

o Gruis

23^h22^m $-53°10'$

+0ˢ 04	−0″ 2	12-13
+ 3	+ 2	11
+ 13	+ 1	9
+ 7	+ 5	6
+ 9	− 2	6
+ 20	−	6
+0ˢ093	+0″08	

Tucanae 33 G

23^h24^m $-63°33'$

+0ˢ 01	0	14
− 4	−0″ 5	13
− 5	− 7	16-18
+ 4	0	12-14
− 4	+ 1	12
+ 5	− 2	13
− 3	+ 1	12-13
+ 5	+ 7	9
− 32	− 3	15
0	+ 3	6
− 4	+ 5	6
+ 3	−1. 2	10
−0ˢ015	−0″10	

Octantis 83 G

23^h28^m $-77°50'$

−0ˢ 06	+0″ 2	12
+ 7	+ 5	6
+ 9	+ 6	6
+0ˢ033	+0″43	

Tucanae 35 G

23^h40^m $-70°56'$

α	δ	
+0ˢ 05	0	6

π Phoenicis

23^h55^m $-53°12'$

+0ˢ 09	+0″ 7	11
+ 14	+ 3	9
+ 2	+ 2	6
− 6	+ 4	6
+ 5	+ 3	6
+ 1	−	6
+ 8	+ 5	6
+0ˢ029	+0″40	

ε Tucanae

23^h56^m $-66°1'$

−0ˢ 05	+0″ 4	14
− 5	− 4	13
− 12	− 3	16-18
− 14	− 2	14
+ 2	− 6	13
+ 3	+ 3	12-13
−0ˢ052	−0″13	

6 Octantis

23^h57^m $-77°30'$

−0ˢ 09	+0″ 3	14
+ 15	− 2	13
+ 5	+ 4	16-18
−	+ 3	14
+ 3	− 6	12
− 1	− 2	13
+ 12	+ 2	12-13
+ 1	− 1	9
+ 32	− 8	15
0	− 8	6
+ 6	−	6
+0ˢ064	−0″15	

Lista de estrellas fundamentales adoptadas para cada zona

Zona 1

χ Argus	7^h55^m	$-52°45'$
ε Argus	8 20	59 15
N Velorum	9 29	56 41
H Carinae	9 31	72 44
ψ Argus	10 40	63 59

Zona 2

χ Argus	7^h55	$-52°45'$
N Velorum	9 29	56 41
H Carinae	9 31	72 44
ω Argus	10 12	69 38
π Centauri	11 17	54 3
λ Muscae	11 42	66 17

Zona 3

ξ Octantis	7^h43^m	$-72°25'$
$\varkappa$ Volantis	9 1	66 5
k Argus	9 19	54 40
l Carinae	9 43	62 8
ω Argus	10 12	69 38
π Centauri	11 17	54 3
λ Muscae	11 42	66 17

Zona 4

χ Argus	7^h55^m	$-52°45'$
ϵ Argus	9 14	58 56
N Velorum	9 29	56 41
ω Argus	10 12	69 38
ε Muscae	12 13	67 13
$\varkappa$ Muscae	12 32	68 42

Zona 5

ξ Volantis	7^h43^m	$-72°25'$
χ Argus	7 55	52 45
β Volantis	8 25	65 32
C Carinae	8 53	60 20
$\varkappa$ Volantis	9 1	66 5

Zona 6

χ Argus	7^h55^m	$-52°45'$
ψ Chamaeleontis	8 23	77 14
C Carinae	8 53	60 20
N Velorum	9 29	56 41
F Carinae	10 23	73 37
μ Carinae	10 50	58 26
π Centauri	11 17	54 3
λ Centauri	11 32	62 35
λ Muscae	11 42	66 17
Centauri 65 G (1)	11 42	60 44
ε Muscae	12 13	67 13

Zona 7

ξ Volantis	7^h43^m	$-72°25'$
δ Argus	8 42	54 25

Sigue.

(1) No se tomó en $\varkappa$.

C Carinae	8^h53^m	$-60°20'$
N Velorum	9 29	56 41
H Carinae	9 31	72 44
p Carinae (1)	10 29	61 16
μ Carinae	10 50	58 26
λ Muscae	11 42	66 17
Centauri 65 G	11 42	60 44
ε Muscae	12 13	67 13

Zona 8

ξ Volantis	7^h43^m	$-72°25'$
ε Argus	8 20	59 15
β Volantis	8 25	65 32
$\varkappa$ Volantis	9 1	66 5
i Argus	9 14	58 56
ω Argus	10 12	69 38
Carinae 264 G	11 9	63 44
π Centauri	11 17	54 3
λ Muscae	11 42	66 17
Centauri 65 G	11 42	60 44
ε Muscae	12 13	67 13

Zona 9

Volantis 19 G	7^h49^m	$-65°59'$
δ Argus	8 42	54 25
C Carinae	8 53	60 20
$\varkappa$ Volantis	9 1	66 5
N Velorum	9 29	56 41
H Carinae	9 31	72 44
F Carinae	10 23	73 37
π Centauri	11 17	54 3
λ Muscae	11 42	66 17
ε Muscae	12 13	67 13

Zona 10

F Carinae	10^h23^m	$-73°37'$
p Carinae	10 29	61 16
Carinae 259 G	11 4	70 27
Carinae 264 G	11 9	63 44
π Centauri	11 17	54 3
λ Muscae	11 42	66 17
γ Crucis	12 27	56 40
β Muscae	12 41	67 40
δ Muscae	12 57	71 7
$\varkappa$ Muscae	13 10	67 28
Chamaeleontis 49 G	13 32	75 17

Zona 11

F Farinae	10^h23	$-73°37'$
μ Carinae	10 50	58 26
π Centauri	11 17	54 3
λ Muscae	11 42	66 17
Centauri 65 G	11 42	60 44
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
δ Muscae	12 57	71 7
Chamaeleontis 49 G	13 22	75 17

(1) No se tomó en $\varkappa$.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Zona 12

ρ Argus	9^h54^m	—54°11′
ω Argus	10 12	69 38
p Carinae	10 29	61 16
μ Carinae	10 50	58 26
Carinae 259 G	11 4	70 27
Centauri 65 G	11 42	60 44
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
α Muscae	12 32	68 42
β Muscae	12 41	67 40
$\varkappa$ Muscae	13 10	67 28
Chamaeleontis 49 G	13 32	75 17
ν Centauri	14 15	56 1

Zona 13

γ Muscae	12^h28^m	—71°42′
α Muscae	12 32	68 42
β Muscae	12 41	67 40
δ Muscae	12 57	71 7
Chamaeleontis 49 G	13 22	75 17
β Centauri	13 58	59 59

Zona 14

τ Argus (1)	9^h54^m	—54°11′
ω Argus	10 12	69 38
p Carinae	10 29	61 16
μ Carinae (2)	10 50	58 26
Carinae 259 G	11 4	70 27
Centauri 65 G	11 42	60 44

Zona 15

ρ Argus	9^h54^m	—54°11′
ω Argus	10 12	69 38
p Carinae	10 29	61 16
μ Carinae	10 50	58 26
Carinae 259 G	11 4	70 27
Centauri 65 G	11 42	60 44

Zona 16

γ Crucis	12^h27^m	—56°40′
γ Muscae	12 28	71 42
α Muscae	12 32	68 42
β Muscae	12 41	67 40
δ Muscae	12 57	71 7
Centauri 183 G	13 7	59 30
$\varkappa$ Muscae	13 10	67 28

Zona 17

Carinae 259 G	11^h4^m	—70°27′
π Centauri	11 17	54 3
γ Crucis	12 27	56 40
γ Muscae (2)	12 28	71 42
α Muscae	12 32	68 42
β Muscae	12 41	67 40
δ Muscae	12 57	71 7
$\varkappa$ Muscae	13 10	67 28

(1) No se tomó en δ. (2) No se tomó en α.

Zona 18

259 G Carinae	11^h4^m	—70°27′
π Centauri	11 17	54 3
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
α Muscae	12 32	68 42
β Muscae	12 41	67 40
δ Muscae (1)	12 57	71 7

Zona 19

λ Centauri	11^h32	—62°35′
λ Muscae	11 42	66 17
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
α Muscae	12 32	68 42
β Crucis	12 43	59 15
δ Muscae	12 57	71 7
$\varkappa$ Muscae	13 10	67 28

Zona 20

ε Crucis	12^h17	—59°58′
γ Muscae	12 28	71 42
β Muscae	12 41	67 40
δ Muscae	12 57	71 7
Centauri 177 G	13 3	53 2
$\varkappa$ Muscae	13 10	67 28
Chamaeleontis 49 G	13 32	75 17
Circini 10 G	14 19	67 50
Circini 19 G	14 39	62 32
Circini 29 G	14 49	59 47
β Circini	15 11	58 30
β Trianguli Austral	15 48	63 11

Zona 21

ε Circini	15^h11^m	—58°30′
β Trianguli Austral	15 48	63 11
χ Normae (2)	16 7	54 25
α Trianguli Australis	16 40	68 53
ε' Arae	16 53	53 2
i Apodis	17 13	70 2
Apodis 66 G	18 0	75 54
Telescopii 6 G (2)	18 10	56 3
ξ Pavonis	18 16	61 32

Zona 22

$\varkappa$ Muscae	13^h10	—67°28′
Chamaeleontis 49 G	13 32	75 17
Circini 10 G	14 19	67 50
Circini 19 G	14 39	62 32
Circini 29 G	14 49	59 47
β Circini	15 11	58 30
χ' Apodis	15 23	73 7
β Trianguli Australis	15 48	63 11

Zona 23

Centauri 294 G	13^h52^m	—63°18′
β Centauri	13 58	59 59

Sigue.

(1) No se tomó en α. (2) No se tomó en δ.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Circini 10 G	14^h19^m	$-67°50'$
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ' Apodis (1)	15 23	73 7
β Trianguli Austral	15 48	63 11
χ Normae	16 7	54 25
α Trianguli Austral (1)	16 40	68 53
ε' Arae	16 53	53 2
i Apodls	17 13	70 2
δ Arae	17 24	60 37

Zona 24

ε Centauri	13^h34^m	$-53°\ 4'$
Centauri 294 G (1)	13 52	63 18
β Centauri	13 58	59 59
Circini 10 G	14 19	67 50
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ' Apodis	15 23	73 7
β Trianguli Austral	15 48	63 11
χ Normae	16 7	54 25
α Trianguli Austral	16 40	68 53
ε' Arae	16 53	53 2
δ Arae	17 24	60 37
π Arae	17 32	54 27
$\varkappa$ Pavonis	17 38	64 41

Zona 25

Centauri 294 G	13^h52^m	$-63°18'$
β Centauri	13 58	59 59
Circini 10 G	14 19	67 50
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ' Apodis	15 23	73 7
Normae 2 G	15 33	52 7
β Trianguli Austral	15 48	63 11
χ Normae	16 7	54 25
ε' Arae	16 53	53 2
δ Arae	17 24	60 37
π Arae	17 32	54 27
$\varkappa$ Pavonis	17 38	64 41

Zona 26

Centauri 294 G	13^h52^m	$-63°18'$
ξ Centauri	13 58	59 59
Circini 10 G	14 19	67 50
Normae 2 G	15 33	52 7
ξ Trianguli Austral	15 48	63 11
δ Trianguli Austral	16 8	63 29
ε' Arae	16 53	53 2
δ Arae	17 24	60 37
π Arae	17 32	54 27
$\varkappa$ Pavonis	17 38	64 41

Zona 27

Circini 10 G	14^h19^m	$-67°50'$
Circini 19 G	14 39	62 32
Circini 29 G	14 49	59 47

Sigue.

(1) No se tomó en α.

β Circini (1)	15^h11^m	$-58°30'$
β Trianguli Austral	15 48	63 11
χ Normae	16 7	54 25
β Arae	16 53	53 2

Zona 28

χ Normae	$16^h\ 7^m$	$-54°25'$
α Trianguli Austral	16 40	68 53
ε' Arae	16 53	53 2
i Apodis	17 13	70 2
δ Arae	17 24	60 37
Telescopii 6 G	18 10	56 3

Zona 29

χ Normee	$16^h\ 7^m$	$-54°25'$
α Trianguli Austral	16 40	68 53
ε' Arae	16 53	53 2
i Apodis	17 13	70 2
δ Arae	17 24	60 37
π Arae	17 32	54 27
$\varkappa$ Pavonis	17 38	64 41
ρ Telescopii	19 0	52 27
Pavonis 70 G	19 40	72 42
ξ Telescopii	20 1	53 7
ρ Pavonis	20 31	61 48
μ Octantis	20 32	76 28

Zona 30

ξ Trianguli Austral	16^h20^m	$-69^h54'$
α Trianguli Austral	16 40	68 53
ε' Arae	16 53	53 2
i Apodis	17 13	70 2
δ Arae	17 24	60 37
πArae	17 32	54 27
$\varkappa$ Pavonis	17 38	64 41
ξ Pavonis	18 16	61 32
ρ Telescopii	19 0	52 27
Pavonis 70 G	19 40	72 42
ξ Teloscopii	20 1	53 7

Zona 31

ε' Arae	16^h53	$-53°\ 2'$
δ Arae	17 24	60 37
π Arae	17 32	54 27
$\varkappa$ Pavonis	17 38	64 41
ξ Pavonis	18 16	61 32
ρ Telescopii	19 0	52 27
Pavonis 70 G	19 40	72 42
δ Pavonis	20 1	66 23

Zona 32

χ Normae	$16^h\ 7^m$	$-54°25'$
δ Trianguli Austral	16 8	63 29
ε' Arae	16 53	53 2
δ Arae	17 24	60 37
π Arae	17 32	54 27

Sigue.

(1) No se tomó en δ.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

η Pavonis	17^h38^m	$-64°41'$
Telescopii 6 G	18 10	56 3
χ Pavonis	18 49	67 20
ρ Telescopii	19 0	52 27

Zona 33

ρ Telescopii	19^h0^m	$-52°27'$
Pavonis 70 G	19 40	72 42
ε Pavonis	19 51	73 7
ξ Telescopii	20 1	53 7
α Pavonis	20 19	57 0
o Pavonis	21 6	70 27
Indi 23 G	21 10	53 36
γ Pavonis	21 20	65 44
ε Inni	21 57	57 6
α Tucanae	22 13	60 40
υ Indi	22 18	72 38

Zona 34

ρ Telescopii	19^h0^m	$-52°27'$
Pavonis 70 G	19 40	72 42
ε Pavonis	19 51	73 7
ξ Telescopii	20 1	53 7
α Pavonis	20 19	57 0
o Pavonis	21 6	70 27
Indi 23 G	21 10	53 36
γ Pavonis	21 20	65 44
ε Indi	21 57	57 6
α Tucanae	22 13	60 40
υ Indi	22 18	72 38

Zona 35

ξ Pavonis	18^h16^m	$-61°32'$
ρ Telescopii	19 0	52 27
Pavonis 70 G	19 40	72 42
α Pavonis	20 19	57 0
o Pavonis	21 6	70 27
γ Indi	21 20	55 0
ε Indi	21 57	57 6
υ Indi	22 18	72 38
ξ Gruis	22 56	53 11
Indi 80 G	22 59	69 15
Tucanae 25 G	23 12	62 26
Octantis 83 G	23 28	77 50

Zona 36

ε Pavonis (1)	19^h51^m	$-73°7'$
ξ Telescopii	20 1	53 7
o Pavonis	21 6	70 27
γ Indi	21 20	55 0
ε Indi	21 57	57 6
υ Indi	22 18	72 38
ξ Gruis	22 56	53 11

Zona 37

ξ Telescopii	20^h1^m	$-53°7'$
α Pavonis	20 19	57 0

(Sigue.)

(1) No se tomó en δ.

o Pavonis	21^h6^m	$-70^h27'$
γ Indi	21 20	55 0
ε Indi	21 57	57 6
υ Indi	22 18	72 38
ξ Gruis	22 56	53 11
Tucanae 33 G	23 24	63 33
ε Tucanae	23 56	66 1
θ Octantis	23 57	77 30
ζ Tucanae	0 15	65 21
Phoenicis 58 G	0 30	52 49
λ^2 Tucanae	0 52	69 58
i Tucanae	1 4	62 12

Zona 38

α Pavonis	20^h19^m	$-57°0'$
o Pavonis	21 6	70 27
γ Indi	21 20	55 0
ε Indi	21 57	57 6
υ Indi	22 18	72 38
ξ Gruis	22 56	53 11
Tucanae 33 G	23 24	63 33
ε Tucanae	23 56	66 1
θ Octantis	23 57	77 30
ζ Tucanae	0 15	65 21
Phoenicis 58 G	0 30	52 49
λ^2 Tucanae	0 52	69 58
i Tucanae	1 4	62 12

Zona 39

α Pavonis	20^h19^m	$-57°0'$
o Pavonis	21 6	70 27
Indi 23 G	21 10	53 36
γ Pavonis	21 20	65 44
ε Indi	21 57	57 6
υ Indi	22 18	72 38

Zona 40

υ Indi	22^h18^m	$-72°38'$
ξ Gruis	22 56	53 11
Tucanae 33 G	23 24	63 33
ε Tucanae	23 56	66 1
θ Octantis	23 57	77 30
Phoenicis 58 G	0 30	52 49
η Phoenicis	0 39	57 54
λ Hydri	0 46	75 22
Hydri 9 G	1 22	64 47
η^2 Hydri	1 53	68 2
α Hydri	1 56	61 57
ρ Eridani	2 14	51 53
δ Hydri	2 20	69 3
η Horologii	2 35	52 53
Horologii 38 G	3 11	57 37
i Hydri	3 18	77 41
γ Hydri	3 48	74 29
δ Reticuli	3 57	61 38

Zona 41

υ Indi	22^h18^m	$-72°38'$
ξ Gruis	22 56	53 11

(Sigue.)

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Tucanae 33 G	23^h24^m	$-63°33'$
ε Tucanae	23 56	66 1
θ Octantis (1)	23 57	77 30
Phoenicis 58 G	0 30	52 49
η Phoenicis	0 39	57 54
λ Hydri	0 46	75 22
Hydri 9 G	1 22	64 47
η^2 Hydri	1 53	68 2
α Hydri	1 56	61 57
ϕ Eridani	2 14	51 53
δ Hydri	2 20	69 3
π Horologii (1)	2 35	52 53

Zona 42

υ Indi	22^h18^m	$-72°38'$
ξ Gruis	22 56	53 11
Tucanae 25 G	23 12	62 26
Tucanae 33 G	23 24	63 33
θ Octantis	23 57	77 30
ε Tucanae	0 15	65 21
Phoenicis 58 G	0 30	52 49
λ^2 Tucanae	0 52	69 58
i Tucanae	1 4	62 12
α Eridani	1 35	57 39
η^2 Eridani	1 43	53 55
α Hydri	1 56	61 57

Zona 43

υ Indi	22^h18^m	$-72°38'$
Tucanae 33 G	23 24	63 33
ε Tucanae	23 56	66 1
θ Octantis	23 57	77 30
Phoenicis 58 G	0 30	52 49
η Phoenicis	0 39	57 54
λ Hydri	0 46	75 22
Hydri 9 G	1 22	64 47
η^2 Hydri	1 53	68 2
α Hydri	1 56	61 57
ϕ Eridani	2 14	51 53
δ Hydri	2 20	69 3
π Horologii	2 35	52 53

Zona 44

ξ Gruis	22^h56^m	$-53°11'$
ο Gruis	23 22	53 10
Tucanae 33 G	23 24	63 33
ε Tucanae	23 56	66 1
θ Octantis	23 57	77 30
ξ Tucanae	0 15	65 21
Phoenicis 58 G	0 30	52 49
λ^2 Tucanae	0 52	69 58
i Tucanae	1 4	62 12
α Eridani	1 35	57 39
η^2 Eridani	1 43	53 55
α Hydri	1 56	61 57
ϕ Eridani	2 14	51 53

(1) No se tomó en α.

Zona 45

υ Indi (1)	22^h18^m	$-72°38'$
ξ Gruis (1)	22 56	53 11
Tucanae 25 G (1)	23 12	62 26
i Tucanae	1 4	62 12
α Eridani	1 35	57 39
η^2 Hydri	1 53	68 2
ϕ Eridani	2 14	51 53
δ Hydri	2 20	69 3
η Horologii	2 35	52 53
Horologii 38 G	3 11	57 37
i Hydri	3 18	77 41
γ Hydri	3 48	74 49
Doradus 1 G	3 53	52 55

Zona 46

υ Indi	22^h18^m	$-72°38'$
ξ Gruis	22 56	53 11
Tucanae 25 G	23 12	62 26
Tucanae 33 G	23 24	63 33
θ Octantis	23 57	77 30
i Tucanae	1 4	62 12
α Eridani	1 35	57 39
η^2 Hydri	1 53	68 2
ϕ Eridani	2 14	51 53

Zona 47

υ Indi	22^h18^m	$-72°38'$
ξ Gruis	22 56	53 11
Tucanae 25 G	23 12	62 26
Tucanae 33 G	23 24	63 33
θ Octantis	23 57	77 30
ξ Tucanae	0 15	65 21
λ Hydri	0 46	75 22
Hydri 9 G	1 22	64 47
χ Eridani	1 53	52 0
ϕ Eridani	2 14	51 53
π Horologii	2 35	52 53
μ Horologii	3 2	60 3
θ Hydri	3 2	72 13
i Hydri	3 18	77 41
χ Reticuli	3 28	63 13

Zona 48

ξ Tucanae	0^h15^m	$-65°21'$
λ Hydri	0 46	75 22
Hydri 9 G	1 22	64 47
χ Eridani	1 53	52 0
ϕ Eridani	2 14	51 53
π Horologii	2 35	52 53

Zona 49

ξ Tucanae	0^h15^m	$-65°21'$
λ Hydri	0 46	75 22
Hydri 9 G	1 22	64 47
χ Eridani	1 53	52 0
ϕ Eridani	2 14	51 53

(Sigue.)

(1) No se tomó en δ.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

π Horologii	2^h35^m	$-52°53'$
ι Hydri	3 18	77 41
γ Hydri	3 48	74 49
Doradus 1 G	3 53	52 55
α Doradus	4 32	55 13
β Mensae	5 4	71 25
ξ Doradus	5 4	57 35
θ Doradus	5 14	67 17

Zona 50

Phoenicis 58 G	0^h30^m	$-52°49'$
ι Tucanae	1 4	62 12
α Eridani	1 35	57 39
π^2 Hydri	1 53	68 2
ρ Eridani	2 14	51 53

Zona 51

Phoenicis 58 G	0^h30^m	$-52°49'$
ι Tucanae	1 4	62 12
α Eridani	1 35	57 39
π^2 Hydri	1 53	68 2
ρ Eridani	2 14	51 53
λ Horologii	2 23	60 40

Zona 52

α Eridani	1^h35^m	$-57°39'$
π^2 Hydri	1 53	68 2
α Hydri	1 56	61 57
ρ Heridani	2 14	51 53
Horologii 38 G	3 11	57 37
β Reticuli	3 43	65 4
γ Hydri	3 48	74 49
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38
α Doradus	4 32	55 13
β Mensae	5 4	71 25
γ Mensae	5 35	76 24
γ Pictoris	5 48	56 11
α Argus	6 22	52 39
Carinae 27 G	7 3	56 37

Zona 53

π^2 Hydri	1^h53^m	$-68°$ 2′
α Hydri	1 56	61 57
α Doradus	4 32	55 13
β Mensae	5 4	71 25
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46
γ Pictoris	5 48	56 11

Zona 54

δ Reticuli	3^h57^m	$-61°38'$
α Doradus	4 32	55 13
β Mensae	5 4	71 25
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46

Sigue.

γ Pictoris	5^h48^m	$-56°11'$
α Argus	6 22	52 39
Carinae 27 G	7 3	56 37
δ Volantis	7 16	67 49

Zona 55 (1)

ρ Eridani	2^h14^m	$-51°53'$
π Horologii	2 35	52 53
ι Hydri	3 18	77 41
γ Hydri	3 48	74 49
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38

Zona 56

Horologii 38 G	3^h11^m	$-57°37'$
β Reticuli	3 43	65 4
γ Hydri	3 48	74 49
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38
α Doradus	4 32	55 13
β Mensae	5 4	71 25
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46
γ Pictoris	5 48	56 11
α Argus	6 22	52 39
Carinae 27 G	7 3	56 37

Zona 57

ρ Eridani	2^h14^m	$-51°53'$
π Horologii	2 35	52 53
ι Hydri	3 18	77 41
γ Hydri	3 48	74 49
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38
α Doradus	4 32	55 13
β Mensae	5 4	71 25
γ Mensae (2)	5 35	76 24
γ Pictoris (2)	5 48	56 11

Zona 58

β Mensae	5^h4^m	$-71°25'$
γ Mensae	5 35	76 24
γ Pictoris	5 48	56 11
α Argus	6 22	52 39
π^2 Doradus	6 26	69 39
α Pictoris	6 47	61 51
ε Argus	8 20	59 15
θ Chamaeleontis (2)	8 23	77 14
α Volantis	9 1	66 5
G Carinae	9 5	72 17
β Argus	9 12	69 23
ι Argus	9 14	58 56

Zona 59

γ Mensae	5^h35^m	$-76°24'$
δ Doradus	5 45	65 46

Sigue.

(1) Zona 55, observada en δ solamente.
(2) No se tomó en α.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

γ Pictoris	5^h48^m	−56°11′
α Argus	6 22	52 39
π^2 Doradus	6 26	69 39
α Volantis	9 1	66 5
G Carinae	9 5	72 17
β Argus	9 12	69 23
ι Argus	9 14	58 56

Zona 60

γ Mensae	5^h35^m	−76°24′
δ Doradus	5 45	65 46
γ Pictoris	5 48	56 11
Pictoris 47 G	6 6	62 8
π^2 Doradus	6 26	69 39
α Pictoris	6 47	61 51
ι Volantis	6 52	70 52
Carinae 27 G	7 3	56 37
α Volantis	9 1	66 5
G Carinae (1)	9 5	72 17
β Argus	9 12	69 23
ι Argus	9 14	58 56

Zona 61

β Doradus	5^h33^m	−62°33′
γ Mensae (2)	5 35	76 24
δ Doradus	5 45	65 46
Pictoris 47 G	6 6	62 8
π^2 Doradus	6 26	69 39
α Pictoris	6 47	61 51
ι Volantis	6 52	70 52
Carinae 27 G	7 3	56 37
θ Chamaeleontis	8 23	77 14
ι Argus	9 14	58 56
N Velorum	9 29	56 41
ω Argus	10 12	69 38

Zona 62

δ Doradus	5^h45^m	−65°46′
γ Pictoris	5 48	56 11
δ Pictoris	6 9	54 57
π^2 Doradus	6 26	69 39
α Pictoris	6 47	61 51
Carinae 27 G	7 3	56 37
χ Argus	7 55	52 45
β Volantis	8 25	65 52
C Carinae	8 53	60 20
α Volantis	9 1	66 5
ω Argus	10 12	69 38
F Carinae	10 23	73 37

Zona 63

γ Pictoris	5^h48^m	−56°11′
δ Pictoris	6 9	54 57
π^2 Doradus	6 26	69 39
α Pictoris	6 47	61 51
Carinae 27 G	7 3	56 37

(1) No se tomó en δ. (2) No se tomó en α.

Zona 64

δ Doradus	5^h45^m	−65°46′
π^2 Doradus	6 26	69 39
α Pictoris	6 47	61 51
Carinae 27 G	7 3	56 37
θ Chamaeleontis	8 23	77 14
C Carinae	8 53	60 20
χ Argus	9 19	54 40
N Velorum	9 29	56 41
ω Argus	10 12	69 38

Zona 65

α Pictoris	6^h47^m	−61°51′
ι Volantis	6 52	70 52
Carinae 27 G	7 3	56 37
C Carinae	8 53	60 20
N Velorum	9 29	56 41
ω Argus	10 12	69 38

Zona 66

α Argus	6^h22^m	−52°39′
π^2 Doradus	6 26	69 39
α Pictoris	6 47	61 51
β Volantis	8 25	65 52
C Carinae	8 53	60 20
α Volantis	9 1	66 5
χ Argus	9 19	54 40
l Carinae	9 43	62 8
υ Argus	9 45	64 42
ρ Argus	9 54	54 11

Zona 67

δ Doradus	5^h45^m	−65°46′
γ Pictoris	5 48	56 11
π^2 Doradus	6 26	69 39
α Pictoris	6 47	61 51
ι Volantis	6 52	70 52
Carinae 27 G	7 3	56 37
δ Argus	8 42	54 25
C Carinae	8 53	60 20
N Velorum	9 29	56 41
H Carinae	9 31	72 44

Zona 68

δ Doradus	5^h45^m	−65°46′
γ Pictoris	5 48	56 11
δ Pictoris	6 9	54 57
π^2 Doradus	6 26	69 39
α Pictoris	6 47	61 51
Carinae 27 G	7 3	56 37

Zona 69

α Pictoris	6^h47^m	−61°51′
ι Volantis	6 52	70 52
Carinae 27 G	7 3	56 37
C Carinae (1)	8 53	60 20
χ Argus	9 19	54 40
N Velorum	9 29	56 41

(1) No se tomó en δ.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Zona 70

N Carinae	6h33m	—52°55′
α Pictoris	6 47	61 51
ι Volantis	6 52	70 52
Carinae 27 G	7 3	56 37
β Volantis	8 25	65 52
α Volantis	9 1	66 5
ι Argus	9 14	58 56

Zona 71

ξ Volantis	7h43m	—72°25′
χ Argus	7 55	52 45
δ Argus	8 42	54 25
C Carinae	8 53	60 20
N Velorum	9 29	56 41
ω Argus	10 12	69 38
γ Crucis	12 27	56 40
β Muscae	12 41	67 40
δ Muscae	12 57	71 7
κ Muscae	13 10	67 28

Zona 72

ξ Volantis	7h43m	—72°25′
χ Argus	7 55	52 45
ε Argus	8 20	59 15
β Volantis	8 25	65 52
α Volantis	9 1	66 5
ι Argus	9 14	58 56
F Carinae	10 23	73 37
μ Carinae	10 50	58 26

Zona 73

ξ Volantis (1)	7h43m	—72°25′
χ Argus	7 55	52 45
δ Argus	8 42	54 25
C Carinae	8 53	60 20
N Velorum	9 29	56 41
H Carinae	9 31	72 44
ρ Carinae	10 29	61 16
λ Muscae	11 42	66 17
Centauri 65 G	11 42	60 44

Zona 74

ω Argus	10h12m	—69°38′
Carinae 264 G	11 9	63 44
π Centauri	11 17	54 3
λ Muscae	11 42	66 17
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
β Muscae	12 41	67 40
δ Muscae	12 57	71 7
Chamaeleontis 49 G	13 32	75 17
υ Centauri	14 15	56 1

Zona 75

ξ Volantis (1)	7h43m	—72°25′
χ Argus	7 55	52 45

(Sigue.

(1) No se tomó en χ.

δ Argus	8h42m	—54°25′
C Carinae	8 53	60 20
N Velorum	9 29	56 41
H Carinae	9 31	72 44
ω Argus	10 12	69 38
μ Carinae	10 50	58 26
Carinae 264 G	11 9	63 44
λ Centauri	11 32	62 35
λ Muscae	11 42	66 17

Zona 76

P Carinae	10h29m	—61°16′
μ Carinae	10 50	58 26
λ Muscae	11 42	66 17
Centauri 65 G	11 42	60 44
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
α Muscae	12 32	68 42
β Muscae (1)	12 41	67 40

Zona 77

ω Argus	10h12m	—69°38′
Carinae 264 G	11 9	63 44
λ Muscae	11 42	66 17
Centauri 65 G	11 42	60 44
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
α Muscae	12 32	68 42
β Muscae	12 41	67 40
Centauri 177 G	13 3	53 2
β Trianguli Austral	15 48	63 11

Zona 78

F Carinae	10h23m	—73°37′
π Centauri	11 17	54 3

Zona 79

υ Argus	9h45m	—64°42′
ω Argus	10 12	69 38
Carinae 264 G	11 9	63 44
λ Centauri	11 32	62 35
α Muscae	12 32	68 42
δ Crucis	12 11	58 18

Zona 80

C Carinae	8h53	—60°20′
υ Argus	9 45	64 42
F Carinae	10 23	73 37
ρ Carinae	10 29	61 16
Carinae 259 G	11 4	70 27
Carinae 264 G	11 9	63 44
π Centauri	11 17	54 3
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
β Muscae	12 41	67 40
δ Muscae	12 57	71 7
β Centauri	13 58	59 59
β Circini	15 11	58 30
β Trianguli Austral	15 48	63 11

(1) No se tomó en δ.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Zona 81

Circini 10 G	14^h19^m	$-67°50'$
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
Normae 2 G	15 33	52 7
β Trianguli Austral	15 48	63 11

Zona 82

Carinae 264 G	$11^h 9^m$	$-63°44'$
π Centauri (1)	11 17	54 3
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
α Muscae	12 32	68 42
β Muscae	12 41	67 40
δ Muscae	12 57	71 7

Zona 83

Circini 10 G	14^h19^m	$-67°50'$
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
Normae 2 G	15 33	52 7
β Trianguli Austral	15 48	63 11

Zona 84

Carinae 264 G	$11^h 9^m$	$-63°44'$
π Centauri	11 17	54 3
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
α Muscae (2)	12 32	68 42
β Crucis	12 43	59 15
δ Muscae	12 57	71 7
β Centauri	13 58	59 59

Zona 85

υ Centauri	14^h15^m	$-51°\ 1'$
Circini 10 G	14 19	67 50
χ Normae	16 7	54 25
δ Trianguli Austral	16 8	63 29

Zona 86

ε Centauri	13^h34^m	$-53°\ 4'$
Centauri 294 G	13 52	63 18
β Centauri	13 58	59 59
υ Centauri	14 15	56 1
Circini 10 G	14 19	67 50
δ Trianguli Austral	16 8	63 29

Zona 87

Carinae 264 G	11^h 9	$-63°44'$
π Centauri	11 17	54 3
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
α Muscae	12 32	68 42

Sigue.

(1) No se tomó en δ. (2) No se tomó en α.

β Muscae	12^h41^m	$-67°40'$
Centauri 177 G	13 3	53 2
η Muscae	13 10	67 28

Zona 88

F Carinae	10^h23^m	$-73°37'$
p Carinae	10 29	61 16
Carinae 259 G	11 4	70 27
Carinae 264 G	11 9	63 44
π Centauri	11 17	54 3
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
α Muscae	12 32	68 42
β Muscae	12 41	67 40
Centauri 177 G	13 3	53 2

Zona 89

γ Crucis	12^h27^m	$-56°40'$
γ Muscae	12 28	71 42
α Muscae	12 32	68 42
β Muscae	12 41	67 40
η Muscae	13 10	67 28
Chamaeleontis 49 G	13 32	75 17
Circini 10 G	14 19	67 50
Circini 19 G	14 39	62 32
Circini 29 G	14 49	59 47
β Circini	15 11	58 30
χ^1 Apodis	15 23	73 7
β Trianguli Austral	15 48	63 11

Zona 90

γ Crucis	12^h27^m	$-56°40'$
γ Muscae	12 28	71 42
δ Muscae	12 57	71 7
Chamaeleontis 49 G	13 32	75 17
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
Normae 2 G	15 33	52 7
β Trianguli Austral	15 48	63 11

Zona 91

γ Muscae	12^h28^m	$-71°42'$
α Muscae	12 32	68 42
β Crucis	12 43	59 15
Centauri 177 G	13 3	53 2
Circini 10 G	14 19	67 50
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
β Trianguli Austral	15 48	63 11
δ Trianguli Austral	16 8	63 29

Zona 92

γ Muscae	12^h28^m	$-71°42'$
α Muscae	12 32	68 42
β Crucis	12 43	59 15
Centauri 177 G	13 3	53 2

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Zona 93

α Muscae	12^h32^m	$-68°42'$
β Muscae	12 41	67 40
Centauri 177 G	13 3	53 2
Chamaeleontis 49 G	13 32	75 17
β Centauri	13 58	59 59
Circini 10 G	14 19	67 50
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
β Trianguli Austral	15 48	63 11
δ Trianguli Austral	16 8	63 29

Zona 94

γ Crucis	12^h27^m	$-56°40'$
α Muscae	12 32	68 42
β Crucis	12 43	59 15
Centauri 177 G	13 3	53 2
Chamaeleontis 49 G (1)	13 32	75 17
β Centauri	13 58	59 59
Circini 10 G	14 19	67 50
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
β Trianguli Austral	15 48	63 11

Zona 95

γ Crucis	12^h27^m	$-56°40'$
α Muscae	12 32	68 42
β Crucis	12 43	59 15
β Centauri	13 58	59 59
Circini 29 G (1)	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
Normae 2 G	15 33	52 7
β Trianguli Australe	15 48	63 11

Zona 96

γ Muscae	12^h28^m	$-71°42'$
α Muscae	12 32	68 42
β Crucis	12 43	59 15
Centauri 177 G	13 3	53 2
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
Normae 2 G	15 33	52 7
β Trianguli Austral	15 48	63 11
δ Trianguli Austral	16 8	63 29

Zona 97

γ Muscae	12^h28^m	$-71°42'$
α Muscae	12 32	68 42
β Crucis	12 43	59 15
Centruri 177 G	13 3	53 2
Circini 29 G	14 49	59 47
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7

Sigue.

(1) No se tomó en α.

Normae 2 G	15^h33^m	$-52°\ 7'$
β Trianguli Austral	15 48	63 11
δ Trianguli Austral	16 8	63 29

Zona 98

γ Crucis	12^h27^m	$-56°40'$
α Muscae	12 32	68 42
β Muscae	12 41	67 40
Centauri 177 G	13 3	53 2
Chamaeleontis 49 G	13 32	75 17
β Centauri	13 58	59 59

Zona 99

γ Crucis	12^h27^m	$-56°40'$
α Muscae	12 32	68 42
β Crucis	12 43	59 15
Centauri 177 G	13 3	53 2
Chamaeleontis 49 G	13 32	75 17
β Centauri	13 58	59 59
ν Centauri	14 15	56 1
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
β Trianguli Austral	15 48	63 11

Zona 100

γ Crucis	12^h27^m	$56°40'$
α Muscae	12 32	68 42
β Centauri	13 58	59 59
ν Centauri	14 15	56 1
Circini 19 G	14 39	62 32
χ^1 Apodis	15 23	73 7
β Trianguli Austral	15 48	63 11
χ Normae	16 7	54 25
δ Trianguli Australe	16 8	63 29

Zona 101

ν Centauri	14^h15^m	$-56°\ 1'$
χ^1 Apodis	15 23	73 7
Normae 2 G	15 33	52 7
χ Normae	16 7	54 25
δ Trianguli Austral	16 8	63 29

Zona 102

δ Muscae	12^h57^m	$-71°\ 7'$
Centauri 177 G	13 3	53 2
ε Centauri	13 34	53 4
Centauri 294 G	13 52	63 18
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
Normae 2 G	15 33	52 7
β Trianguli Australe	15 48	63 11
ε^1 Arae	16 53	53 2
α Pavonis (1)	17 38	64 41
ξ Pavonis	18 16	61 32

(1) No se tomó en α.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Zona 103

γ Muscae	$12^h 28^m$	$-71°42'$
α Muscae	12 32	68 42
Centauri 177 G	13 3	53 2
ε Centauri	13 34	53 4
υ Centauri	14 15	56 1
Circini 19 G	14 39	62 32
γ Trianguli Austral	15 12	68 23
χ^1 Apodis	15 23	73 7
β Trianguli Australis	15 48	63 11

Zona 104

γ Trianguli Austral	$15^h 12^m$	$-68°23'$
β Trianguli Australis	15 48	63 11
δ Trianguli Austral	16 8	63 29

Zona 105

υ Centauri	$14^h 15^m$	$-56°$ 1′
Circini 19 G	14 39	62 32
χ^1 Apodis	15 23	73 7
β Trianguli Australis	15 48	63 11
χ Normae	16 7	54 25
δ Trianguli Austral	16 8	63 29

Zona 106

υ Centauri	$14^h 15^m$	$-56°$ 1′
χ^1 Apodis	15 23	73 7
Normae 2 G	15 33	52 7
χ Normae	16 7	54 25
δ Trianguli Austral	16 8	63 29

Zona 107

δ Trianguli Austral	$16^h 8^m$	$-63°29'$
ε^1 Arae	16 53	53 2
π Arae	17 32	54 27
η Pavonis	17 38	64 41
Apodis 66 G	18 0	75 54
π Pavonis	18 1	63 40
Telescopii 6 G	18 10	56 3
ξ Pavonis	18 16	61 32
Pavonis 30 G	18 23	74 1

Zona 108

υ Centauri	$14^h 15^m$	$-56°$ 1′
δ Trianguli Austral	16 8	63 29
ε^1 Arae	16 53	53 2
π Arae	17 32	54 27
η Pavonis	17 38	64 41
Apodis 66 G	18 0	75 54
π Pavonis	18 1	63 40
Telescopii 6 G	18 10	56 3
ξ Pavonis	18 16	61 32

Zona 109

Circini 19 G	$14^h 39^m$	$-62°32'$
Apodis 18 G	14 49	76 20

Sigue.

ε Trianguli Austral	$15^h 29^m$	$-66°$ 3′
δ Trianguli Austral	16 8	63 29
η Arae (1)	16 43	58 53
π Arae	17 32	54 27
η Pavonis	17 38	64 41
Apodis 66 G	18 0	75 54
π Pavonis	18 1	63 40
Telescopii 6 G	18 10	56 3

Zona 110

δ Trianguli Austral	$16^h 8^m$	$-63°29'$
ε^1 Arae	16 53	53 2
π Arae	17 32	54 27
η Pavonis	17 38	64 41
Telescopii 6 G	18 10	56 3
λ Pavonis	18 45	62 17
χ Pavonis	18 49	67 20
λ Telescopii	18 52	53 3
Pavonis 75 G	19 48	61 23
ε Pavonis	19 51	73 7
δ Pavonis	20 1	66 23

Zona 111

λ Pavonis	$18^h 45^m$	$-62°17'$
χ Pavonis	18 49	67 20
λ Telescopii	18 52	53 3
Pavonis 75 G	19 48	61 23
ε Pavonis	19 51	73 7
δ Pavonis	20 1	66 23

Zona 112

δ Trianguli Austral	$16^h 8^m$	$-63°29'$
ε^1 Arae	16 53	53 2
δ Arae	17 24	60 37
π Arae	17 32	54 27
η Pavonis	17 38	64 41
λ Pavonis	18 45	62 17
χ Pavonis	18 49	67 20
λ Telescopii	18 52	53 3
Pavonis 75 G	19 48	61 23
ε Pavonis	19 51	73 7
δ Pavonis	20 1	66 23

Zona 113

Apodis 66 G	$18^h 0^m$	$-75°54'$
Telescopii 6 G	18 10	56 3
λ Pavonis	18 45	62 17
χ Pavonis	18 49	67 20
λ Telescopii	18 52	53 3
Pavonis 75 G	19 48	61 23
ε Pavonis	19 51	73 7
δ Pavonis	20 1	66 23

Zona 114

Telescopii 6 G	$18^h 10^m$	$-56°$ 3′
λ Pavonis	18 45	62 17

Sigue.

(1) No se tomó en δ.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

χ Pavonis	18h49m	—67°20′
λ Telescopii	18 52	53 3
Pavonis 75 G	19 48	61 23
ε Pavonis	19 51	73 7
δ Pavonis	20 1	66 23

Zona 115

Pavonis 70 G	19h40m	—72°42′
δ Pavonis	20 1	66 23
ο Pavonis	21 6	70 27
γ Pavonis	21 20	65 44
γ Indi	21 20	55 0
δ Indi	21 53	55 22
ε Indi	21 57	57 6
κ Tucanae	22 13	60 40
υ Indi	22 18	72 38

Zona 116

π Arae	17h32m	—54°27′
χ Pavonis	17 38	64 41
π Pavonis	18 1	63 40
υ Telescopii	19 42	56 33
δ Pavonis	20 1	66 23
ο Pavonis	21 6	70 27
γ Pavonis	21 20	65 44
Indi 40 G	21 32	65 11
ε Indi	21 57	57 6
κ Tucanae	22 13	60 40

Zona 117

Apodis 66 G	18h 0m	—75°54′
λ Telescopii	18 52	53 3
Telescopii 79 G	19 21	54 29
Pavonis 75 G	19 48	61 23
ε Pavonis	19 51	73 7
δ Pavonis	20 1	66 23

Zona 118

Apodis 66 G (1)	18h 0m	—75°54′
χ Pavonis	18 49	67 20
λ Telescopii	18 52	53 3
Telescopii 79 G	19 21	54 29
Pavonis 75 G	19 48	61 23
ε Pavonis	19 51	73 7
δ Pavonis	20 1	66 23
ξ Telescopii	20 1	53 7

Zona 119

Pavonis 70 G	19h40m	—72°42′
δ Pavonis	20 1	66 23
ξ Telescopii	20 1	53 7
κ Pavonis	20 19	57 0
ρ Pavonis	20 31	61 48
α Octantis	20 32	76 28
β Pavonis	20 38	66 29
β Indi	20 48	58 45

(1) No se tomó en δ.

Zona 120

χ Pavonis	17h38m	—64°41′
υ Telescopii	19 42	56 33
δ Pavonis	20 1	66 23
β Pavonis	20 38	66 29
χ Indi	20 38	52 12
β Indi	20 48	58 45
α Octantis	20 55	77 20
ο Pavonis	21 6	70 27
Indi 23 G	21 10	53 36

Zona 121

Apodis 66 G (1)	18h 0m	—75°54′
λ Telescopii	18 52	53 3
Telescopii 79 G	19 21	54 29
Pavonis 75 G	19 48	61 23
ε Pavonis	19 51	73 7
δ Pavonis	20 1	66 23
ο Pavonis	21 6	70 27
γ Pavonis	21 20	65 44
κ Tucanae	22 13	60 40
υ Indi (2)	22 18	72 38

Zona 122

χ Pavonis	18h49m	—67°20′
λ Telescopii	18 52	53 3
Telescopii 79 G	19 21	54 29
Pavonis 75 G	19 48	61 23
ε Pavonis	19 51	73 7
δ Pavonis	20 1	66 23
ο Pavonis	21 6	70 27
Indi 23 G	21 10	53 36
γ Pavonis	21 20	65 44
Indi 40 G	21 32	65 11
ε Indi	21 57	57 6

Zona 123

Pavonis 75 G	19h48m	—61°23′
δ Pavonis	20 1	66 23
ο Pavonis	21 6	70 27
Indi 40 G	21 32	65 11
ε Indi	21 57	57 6
κ Tucanae	22 13	60 40
ρ Indi	22 49	70 30
ο Gruis	23 22	53 10
π Phoenicis	23 55	53 12
ξ Tucanae	0 15	65 21
λ Hydri	0 46	75 22

Zona 124

δ Pavonis	20h 1m	—66°23′
ο Pavonis	21 6	70 27
γ Pavonis	21 20	65 44
κ Tucanae	22 13	60 40
ρ Indi	22 49	70 30
ο Gruis	23 22	53 10
π Phoenicis	23 55	53 12
Tucanae 45 G	0 0	71 53
ξ Tucanae	0 15	65 21

(1) No se tomó en χ. (2) No se tomó en δ.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Zona 125

δ Pavonis	20ʰ 1ᵐ	—66°23′
o Pavonis (1)	21 6	70 27
γ Pavonis	21 20	65 44
α Tucanae	22 13	60 40
ε Indi	22 49	70 30
Indi 80 G	22 59	69 15
Tucanae 25 G	23 12	62 26

Zona 126

α Tucanae	22ʰ13ᵐ	—60°40′
o Gruis	23 22	53 10
Tucanae 35 G	23 40	70 56
π Phoenicis	23 55	53 12
θ Octantis	23 57	77 30
ξ Tucanae	0 15	65 21

Zona 127

α Tucanae	22ʰ13ᵐ	—60°40′
o Gruis	23 22	53 10
π Phoenicis	23 55	53 12
θ Octantis (1)	23 57	77 30

Zona 128

ε Indi	21ʰ44ᵐ	—70° 0′
δ Indi	21 53	55 22
ξ Gruis	22 56	53 11
Tucanae 33 G	23 24	63 33
Octantis 83 G	23 28	77 50
π Phoenicis	23 55	53 12

Zona 129

ε Indi	21ʰ44ᵐ	—70° 0′
δ Indi	21 53	55 22
α Tucanae	22 13	60 40
ζ Indi	22 49	70 30
o Gruis	23 22	53 10
π Phoenicis	23 55	53 12

Zona 130

ε Indi	21ʰ44ᵐ	—70° 0′
δ Indi (2)	21 53	55 22
α Tucanae	22 13	60 40
o Gruis	23 22	53 10
π Phoenicis	23 55	53 12
θ Octantis	23 57	77 30

Zona 131

ε Indi	21ʰ57ᵐ	— 57° 6′
ξ Gruis	22 56	53 11
Tucanae 33 G	23 24	63 32
Octantis 83 G	23 28	77 50
π Phoenicis	23 55	53 12
ξ Tucanae	0 15	65 21

(1) No se tomó en α. (2) No se tomó en δ.

Zona 132

γ Eridani	2ʰ14ᵐ	—51°53′
η Horologii	2 35	52 53
ι Hydri	3 18	77 41
β Reticuli	3 43	65 4
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38

Zona 133

γ Eridani	2ʰ14ᵐ	—51°53′
η Horologii	2 35	52 53
ι Hydri	3 18	77 41
γ Hydri	3 48	74 29
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38
θ Doradus	5 14	67 17
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46
δ Pictoris	6 9	54 57
α Mensae	6 13	74 44

Zona 134

β Reticuli	3ʰ43	—65° 4′
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38
α Reticuli	4 13	62 40
θ Doradus	5 14	67 17
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46
γ Pictoris	5 48	56 11

Zona 135

η Horologii	2ʰ35ᵐ	—52°53′
Horologii 38 G	3 11	57 37
β Reticuli	3 43	65 4
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38
α Reticuli	4 13	62 40
η Reticuli	4 21	63 35
α Doradus	4 32	55 13
θ Doradus	5 14	67 17
γ Pictoris	5 48	56 11

Zona 136

η Horologii	2ʰ35ᵐ	—52°53′
ι Hydri	3 18	77 41
β Reticuli	3 43	65 4
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38
α Reticuli	4 13	62 40
β Doradus	5 33	62 33
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46
γ Pictoris	5 48	56 11
α Mensae	6 13	74 44

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Zona 137

β Horologii	2^h57^m	−64°23′
Horologii 38 G	3 11	57 37
β Reticuli	3 43	65 4
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38

Zona 138

ι Horologii (1)	2^h35^m	−52°53′
Horologii 38 G	3 11	57 37
β Reticuli	3 43	65 4
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38
κ Reticuli	4 21	63 35
β Mensae	5 4	71 25

Zona 139

ι Horologii	2^h35^m	−52°53′
Horologii 38 G	3 11	57 37
β Reticuli	3 43	65 4
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46
γ Pictoris	5 48	56 11
Pictoris 47 G	6 6	62 8

Zona 140

ι Horologii (1)	2^h35	−52°53′
β Reticuli	3 43	65 4
Doradus 1 G	3 53	52 55
δ Reticuli	3 57	61 38
δ Doradus	5 45	65 46
γ Pictoris	5 48	56 11
Pictoris 47 G	6 6	62 8
δ Pictoris	6 9	54 57
κ Mensae (1)	6 13	74 44

Zona 141

ι^2 Hydri	1^h53^m	−68° 2′
κ Hydri	1 56	61 57
ι Horologii	2 35	52 53
β Horologii	2 57	64 23
γ Hydri	3 48	74 29

Zona 142

Horologii 38 G (2)	3^h11^m	−57°37′
ε Hydri (2)	3 18	77 41
δ Reticuli (2)	3 57	61 38
θ Doradus	5 14	67 17
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46
π^2 Doradus (1)	6 26	69 39
κ Pictoris	6 47	61 51
δ Volantis	7 16	67 49

(1) No se tomó en κ. (2) No se tomó en δ.

Zona 143

δ Reticuli	3^h57^m	−61°38′
κ Reticuli	4 13	62 40
θ Doradus	5 14	67 17
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46

Zona 144

θ Doradus	5^h14^m	−67°17′
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46
π^2 Doradus	6 26	69 39
κ Pictoris	6 47	61 51
Carinae 27 G	7 3	56 37

Zona 145

κ Reticuli	4^h13^m	−62°40′
θ Doradus	5 14	67 17
γ Mensae	5 35	76 24
δ Doradus	5 45	65 46
γ Pictoris	5 48	56 11
π^2 Doradus	6 26	69 39
Carinae 27 G	7 3	56 37
ε Argus	8 20	59 15
β Volantis	8 25	65 32

Zona 146

κ Reticuli	4^h13^m	−62°40′
α Doradus	4 32	55 13
θ Doradus	5 14	67 17
γ Pictoris	5 48	56 11
π^2 Doradus	6 26	69 39
Carinae 27 G	7 3	56 37
β Volantis	8 25	65 32

Zona 147

α Argus	6^h22^m	−52°39′
Carinae 27 G	7 3	56 37
δ Volantis	7 16	67 49
Q Carinae	7 34	52 21
ξ Volantis	7 43	72 25

Zona 148

β Doradus	5^h33^m	−62°33′
γ Pictoris	5 48	56 11
α Argus	6 22	52 39
Carinae 27 G	7 3	56 37
β Volantis	8 25	65 32
d Carinae	8 38	59 29
δ Argus	8 42	54 25
C Carinae	8 53	60 20
H Carinae	9 31	72 44
l Carinae	9 43	62 8
ν Argus	9 45	64 42
ω Argus	10 12	69 38

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Zona 149

$\varkappa$ Argus	6^h22^m	$-52°39'$
Carinae 27 G	7 3	56 37
d Carinae	8 38	59 29
δ Argus	8 42	54 25
C Carinae (1)	8 53	60 20
l Carinae	9 43	62 8
ω Argus	10 12	69 38
F Carinae	10 23	73 37
s Carinae	10 25	58 20
p Carinae	10 29	61 16

Zona 150

$\varkappa$ Argus	6^h22^m	$-52°39'$
Carinae 27 G	7 3	56 37

Zona 151

Carinae 27 G (1)	7^h 3	$-56°37'$
d Carinae	8 38	59 29
δ Argus	8 42	54 25
C Carinae	8 53	60 20
ω Argus	10 12	69 38
F Carinae	10 23	73 37
s Carinae	10 25	58 20
p Carinae	10 29	61 16

Zona 152

π^2 Doradus	6^h26^m	$-69°39'$
N Carinae	6 33	52 55

Zona 153

$\varkappa$ Argus	6^h22^m	$-52°39'$
Carinae 27 G	7 3	56 37
β Volantis	8 25	65 52
d Carinae	8 38	59 29
δ Argus	8 42	54 25
C Carinae	8 53	60 20
$\varkappa$ Volantis	9 1	66 5

Zona 154

Carinae 259 G	11^h 4^m	$-70°27'$
x Carinae	11 5	58 32
Carinae 264 G	11 9	63 44
λ Centauri	11 32	62 35
λ Muscae	11 42	66 17

Zona 155

Carinae 259 G	11^h 4	$-70°27'$
x Carinae	11 5	58 32
Carinae 264 G	11 9	63 44
λ Centauri	11 32	62 35
λ Muscae	11 42	66 17
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
$\varkappa$ Muscae	12 32	68 42
β Centauri	13 58	59 59

(1) No se tomó en δ.

Zona 156

μ Carinae	10^h50^m	$-58°26'$
Carinae 259 G	11 4	70 27
π Centauri	11 17	54 3
λ Centauri	11 32	62 35
λ Muscae	11 42	66 17
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
$\varkappa$ Muscae	12 32	68 42
β Centauri	13 58	59 59

Zona 157

μ Carinae	10^h50^m	$-58°26'$
Carinae 259 G	11 4	70 27
λ Centauri	11 32	62 35
λ Muscae	11 42	66 17

Zona 158

ω Argus	10^h12	$-69°38'$
λ Centauri	11 32	62 35
λ Muscae	11 42	66 17

Zona 159

F Carinae	10^h23	$-73°37'$
π Centauri	11 17	54 3
λ Muscae	11 42	66 17
γ Muscae	12 28	71 42
β Crucis	12 43	59 15
Chamaeleontis 49 G	13 32	75 17
ε Centauri	13 34	53 4

Zona 160

F Carinae	10^h23^m	$-73°37'$
μ Carinae	10 50	58 26
Carinae 259 G	11 4	70 27
π Centauri	11 17	54 3
λ Muscae	11 42	66 17
γ Muscae	12 28	71 42
$\varkappa$ Muscae	12 32	68 42
$\varkappa$ Muscae	13 10	67 28
Centauri 294 G	13 52	63 18

Zona 161

F Carinae	10^h23^m	$-73°37'$
$\varkappa$ Carinae	10 50	58 26
Carinae 259 G	11 4	70 27
π Centauri	11 17	54 3
λ Muscae	11 42	66 17
γ Muscae	12 28	71 42
$\varkappa$ Muscae	12 32	68 42
$\varkappa$ Muscae	13 10	67 28
Centauri 294 G	13 52	63 18
$\varkappa$ Centauri	14 34	60 31

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Zona 162

F Carinae	10h23m	—73°37′
μ Carinae	10 50	58 26
Carinae 259 G	11 4	70 27
π Centauri	11 17	54 3
λ Muscae	11 42	66 17
γ Muscae	12 28	71 42
$\varkappa$ Muscae	12 32	68 42
β Muscae	12 41	67 40

Zona 163

Carinae 259 G	11h 4m	—70°27′
χ Carinae	11 5	58 32
Carinae 264 G	11 9	63 44
δ Crucis	12 11	58 18
ε Muscae	12 13	67 13
ε Crucis	12 17	59 58
$\varkappa$ Muscae	12 32	68 42
β Muscae	12 41	67 40
Centauri 177 G	13 3	53 2
Centauri 294 G	13 52	63 18

Zona 164

δ Crucis	12h11m	—58°18′
ε Muscae	12 13	67 13
ε Crucis	12 17	59 58
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
δ Muscae	12 57	71 7
γ Trianguli Austral	15 12	68 23

Zona 165

ρ Argus	9h54m	—54°11′
γ Crucis	12 27	56 40
γ Muscae	12 28	71 42
$\varkappa$ Muscae	12 32	68 42
β Centauri	13 58	59 59

Zona 166

ω Argus	10h12m	—69°38′
p Carinae	10 29	61 16
χ Carinae	11 5	58 32
Carinae 264 G	11 9	63 44

Zona 167

Centauri 177 G	13h 3m	—53° 2′
Centauri 294 G	13 52	63 18
Circini 10 G	14 19	67 50
Circini 29 G	14 49	59 47
β Trianguli Austral	15 48	63 11
$\varkappa$ Trianguli Austral	16 40	68 53
ι Apodis	17 13	70 2

Zona 168

Centauri 177 G	13h 3m	—53° 2′
Centauri 183 G	13 7	59 30
β Centauri	13 58	59 59

(Sigue.

γ Trianguli Austral (1)	15h12m	—68°23′
β Trianguli Austral	15 48	63 11
$\varkappa$ Trianguli Austral	16 40	68 53
ι Apodis	17 13	70 2

Zona 169

Carinae 259 G	11h 4m	—70°27′
χ Carinae	11 5	58 32
Carinae 264 G	11 9	63 44
λ Muscae	11 42	66 17
Crucis 2 G	11 54	55 53

Zona 170

υ Centauri	14h15m	—56° 1′
δ Trianguli Austral	16 8	63 29
$\varkappa$ Trianguli Austral	16 40	68 53
ι Apodis	17 13	70 2
π Pavonis	18 1	63 40
Telescopii 6 G	18 10	56 3

Zona 171

$\varkappa$ Muscae	13h10m	—67°28′
υ Centauri	14 15	56 1
Circini 10 G	14 19	67 50
$\varkappa$ Trianguli Austral	16 40	68 53
δ Arae	17 24	60 37
π Pavonis	18 1	63 40
Telescopii 6 G	18 10	56 3

Zona 172

β Centauri	13h58m	—59°59′
Circini 10 G	14 19	67 50
$\varkappa$ Centauri	14 34	60 31
$\varkappa$ Circini	14 36	64 38

Zona 173

β Centauri	13h58m	—59°59′
Circini 10 G	14 19	67 50
Circini 19 G	14 39	62 32
Apodis 18 G (1)	14 49	76 20
δ Trianguli Austral	16 8	63 29
$\varkappa$ Arae	16 43	58 53
π Arae	17 32	54 27
$\varkappa$ Pavonis	17 38	64 41
π Pavonis	18 1	63 40
Telescopii 6 G	18 10	56 3

Zona 174

Circini 10 G	14h19m	—67°50′
Circini 19 G	14 39	62 32
Apodis 18 G	14 49	76 20
δ Trianguli Austral	16 8	63 29
$\varkappa$ Arae	16 43	58 53
π Arae	17 32	54 27
$\varkappa$ Pavonis	17 38	64 41
π Pavonis	18 1	63 40
Telescopii 6 G	18 10	56 3

(1) No se tomó en $\varkappa$.

Lista de estrellas fundamentales adoptadas para cada zona *(continuación)*

Zona 175

υ Centauri	14h15m	−56° 1′
Circini 10 G	14 19	67 50
δ Trianguli Austral	16 8	63 29
ε¹ Arae	16 53	53 2
π Arae	17 32	54 27
ϰ Pavonis	17 38	64 41
π Pavonis	18 1	63 40
Telescopii 6 G	18 10	56 3

Zona 176

β Centauri	13h58m	−59°59′
υ Centauri	14 15	56 1
β Circini	15 11	58 30
γ Trianguli Austral	15 12	68 23

Zona 177

β Centauri	13h58m	−59°59′
γ Trianguli Austral	15 12	68 23
Normae 2 G	15 33	52 7
β Trianguli Austral	15 48	63 11
α Trianguli Austral	16 40	68 53
ι Apodis	17 13	70 2
δ Arae	17 24	60 37
π Arae (1)	17 32	54 27
π Pavonis (1)	18 1	63 40

Zona 178

α Trianguli Austral	16h40m	−68°53′
ι Apodis	17 13	70 2
δ Arae	17 24	60 37
π Arae	17 32	54 27
π Pavonis	18 1	63 40
Telestopii 6 G (1)	18 10	56 3

Zona 179

χ Normae	16h 7m	−54°25′
α Trianguli Austral	16 40	68 53
ι Apodis	17 13	70 2
δ Arae	17 24	60 37
π Arae	17 32	54 27
λ Pavonis	18 45	62 17
χ Pavonis	18 49	67 20
δ Pavonis	20 1	66 23

Zona 180

α Trianguli Austral	16h40m	−68°53′
ι Apodis	17 13	70 2
δ Arae	17 24	60 37
π Arae	17 32	54 27
π Pavonis	18 1	63 40
ξ Pavonis	18 34	71 30

Zona 181

δ Trianguli Austral	16h 8m	−63°29′
ε¹ Arae	16 53	53 2

Sigue.

(1) No se tomó en ϰ. (2) No se tomó en δ.

π Arae	17h32m	−54°27′
ϰ Pavonis	17 38	64 41
π Pavonis (1)	18 1	63 40

Zona 182

ο Pavonis	21h 6m	−70°27′
γ Pavonis	21 20	65 44
ε Indi	21 57	57 6
Tucanae 18 G	22 47	63 37
ζ Indi	22 49	70 30
ξ Gruis	22 56	53 11
Indi 80 G	22 59	69 15

Zona 183

Pavonis 70 G	19h40m	−72°42′
υ Telescopii	19 42	56 33
Pavonis 75 G (2)	19 48	61 23
α Pavonis	20 19	57 0

Zona 184

Pavonis 60 G	19h 9m	−66°48′
Pavonis 70 G	19 40	72 42
Pavonis 75 G	19 48	61 23

Zona 185

ο Pavonis	21h 6m	−70°27′
δ Indi	21 53	55 22
ε Indi	21 57	57 6
Tucanae 18 G	22 47	63 37
ζ Indi	22 49	70 30
ξ Gruis	22 56	53 11
Indi 80 G	22 59	69 15
Tucanae 25 G	23 12	62 26
Tucanae 35 G	23 24	63 33

Zona 186

β Horologii	2h57m	−64°23′
μ Horologii	3 2	60 3
γ Hydri	3 48	74 29
μ Mensae (1)	4 44	71 5
ξ Doradus	5 4	57 35

Zona 187

μ Horologii	3h 2m	−60° 3′
θ Hydri (2)	3 2	72 13
β Reticuli	3 43	65 4
γ Hydri	3 48	74 29
δ Reticuli	3 57	61 38

Zona 188

ϰ Reticuli	4h21m	−63°35′
ξ Doradus	5 4	57 35
θ Doradus	5 14	67 17
β Doradus	5 33	62 33
γ Mensae (2)	5 35	76 24
δ Doradus	5 45	65 46

(1) No se tomó en δ. (2) No se tomó en ϰ.

Lista de estrellas fundamentales adoptadas para cada zona *(conclusión)*

Zona 189

Carinae 27 G	$7^h\ 3^m$	−56°37′
ζ Volantis	7 43	72 25
χ Argus (1)	7 55	52 45
ε Argus	8 20	59 15

Zona 190

α Pictoris	6^h47^m	−61°51′
Carinae 27 G	7 3	56 37

Zona 191

ζ Volantis (1)	7^h43^m	−72°25′
χ Argus	7 55	52 45
ε Argus	8 20	59 15

Zona 192

C Carinae (2)	8^h53^m	−60°20′
α Volantis	9 1	66 5
N Velorum	9 29	56 41
H Carinae	9 31	72 44
ω Argus	10 12	69 38
s Carinae	10 25	58 20

Zona 193

C Carinae	8^h53^m	−60°20′
α Volantis	9 1	66 5
N Velorum	9 29	56 41
H Carinae	9 31	72 44
ω Argus	10 12	69 38
s Carinae	10 25	58 20

Zona 194

β Argus	9^h12^m	−69°23′
N Velorum	9 29	56 41
H Carinae	9 31	72 44
γ Argus	9 54	54 11

Zona 195

π Centauri	11^h17^m	−54° 3′
λ Centauri (1)	11 32	62 35
λ Muscae	11 42	66 17
δ Crucis	12 11	58 18
α Crucis	12 22	62 39
γ Muscae	12 28	71 42

Zona 196

θ Doradus	5^h14^m	−67°17′

(1) No se tomó en α. (2) No se tomó en δ.

Zona 197

β Volantis	8^h25^m	−65°52′
β Argus	9 12	69 23
ν Argus	9 45	64 42

Zona 198

β Volantis	8^h25^m	−65°52′
C Carinae	8 53	60 20
α Volantis	9 1	66 5

Zona 199

α Crucis (1)	12^h22	−62°39′
α Muscae	12 32	68 42
β Muscae	12 41	67 40
ε Muscae	13 10	67 28
β Centauri	13 58	59 59
Circini 10 G	14 19	67 50
χ¹ Apodis	15 23	73 7
Normae 2 G (2)	15 33	52 7
β Trianguli Austral	15 48	63 11
Trianguli Austral 33 G	16 24	61 27
α Trianguli Austral (2)	16 40	68 53
ζ Arae (2)	16 52	55 52
δ Arae (2)	17 24	60 37

Zona 200 (3)

β Trianguli Austral	15^h48^m	−63°11′
Trianguli Austral 33 G	16 24	61 17
α Trianguli Austral	16 40	68 53
ε Arae	16 43	58 53
ζ Arae	16 52	55 52

Zona 201

Normae 2 G	15^h33^m	−52° 7′
β Trianguli Austral	15 48	63 11
Trianguli Austral 33 G	16 24	61 27
ζ Arae	16 52	55 52
δ Arae	17 24	60 37
π Pavonis	18 1	63 40
Telescopii 6 G	18 10	56 3

Zona 202

Normae 2 G	15^h33^m	−52° 7′
β Trianguli Austral	15 48	63 11
Trianguli Austral 33 G	16 24	61 27
α Trianguli Austral	16 40	68 53
ζ Arae	16 52	55 52
δ Arae	17 24	60 37
ε Pavonis	17 38	64 41
π Pavonis	18 1	63 40
ζ Pavonis	18 34	71 30
ν Telescopii	19 42	56 33

(1) No se tomó en α. (2) No se tomó en δ.
(3) Observadas en δ solamente.

Los errores probables los he determinado tomando en cuenta todas las estrellas, menos las fundamentales, y tres estrellas que no tienen más que una observación; haciendo siempre la diferencia entre la primera observación y el valor adoptado, y como los resultados se fueron agrupando simultáneamente en ascensión recta y declinación y se anotaba el número de observaciones que correspondía a cada estrella, fácilmente pude determinar los errores probables, de la manera que quedan presentados en la tabla que doy a continuación.

Como podrá verse en la tabla 3, he determinado los errores probables : por hora en ascensión recta y además para cada grado en declinación, en las distintas horas, y los promedios generales de los errores para las ascensiones rectas y declinaciones.

Como obtuve también el número de estrellas que tienen dos, tres, cuatro, etc., observaciones, calculé los errores probables de cada posición del *Catálogo,* según el número de observaciones en que estuviera apoyado. Todos los resultados en ascensión recta están reducidos a segundos de arco y al Ecuador.

El número total de observaciones que contiene este *Catálogo* (descontando el de las fundamentales) es : en ascensión recta 11777 y en declinación 11844; correspondiendo un promedio de 2,69 y 2,71 observaciones por estrella.

TABLA 3. — Errores probables de una observación

α/δ	Número de estrellas	E_p		61°		62°		63°		64°		65°		66°	
		α	δ	α	δ	α	δ	α	δ	α	δ	α	δ	α	δ
0h	79	±0".22	±0".25	±0".2	±0".3	±0".2	±0".3	±0".2	±0".3	±0".3	±0".2	±0".2	±0".3		
1	66	.20	.15	.2	.1	.2	.2	.2	.1	.2	.2	.2	.2		
2	118	.21	.18	.2	.2	.3	.2	.2	.2	.2	.2	.2	.2		
3	113	.20	.21	.3	.1	.2	.3	.2	.3	.2	.1	.2	.2		
4	133	.26	.30	.4	.3	.2	.3	.3	.3	.3	.3	.2	.3	±0".1	±0".1
5	127	.29	.28	.1	.3	.3	.3	.3	.2	.3	.3	.3	.3	.1	.3
6	136	.27	.21	.4	.1	.2	.2	.3	.2	.3	.2	.3	.3	.2	.1
7	172	.22	.22	.2	.4	.2	.3	.2	.2	.2	.2	.2	.3	.2	.2
8	182	.33	.30			.2	.3	.3	.3	.3	.3	.3	.3	.4	.2
9	175	.26	.30			.2	.3	.2	.3	.3	.3	.2	.3	.2	.3
10	260	.24	.29			.2	.3	.2	.3	.3	.2	.2	.3	.2	.2
11	262	.27	.25			.2	.3	.3	.3	.3	.3	.3	.2	.2	.3
12	263	.25	.22			.1	.2	.2	.3	.3	.2	.2	.2	.2	.1
13	321	.24	.28			.2	.3	.2	.3	.3	.3	.2	.3	.2	.3
14	390	.27	.25			.1	.2	.3	.3	.3	.3	.2	.3	.2	.3
15	293	.27	.25			.3	.3	.2	.3	.3	.3	.3	.2	.3	.3
16	300	.29	.25	.4	.2	.3	.2	.3	.3	.3	.3	.3	.3	.4	.3
17	206	.33	.30	.4	.5	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
18	188	.24	.25	.2	.2	.3	.3	.3	.3	.2	.2	.2	.3	.2	.2
19	149	.24	.21	.1	.1	.2	.2	.2	.3	.2	.2	.2	.2	.3	.3
20	124	.29	.29	.4	.1	.3	.3	.3	.3	.3	.3	.3	.2	.3	
21	81	.30	.30	.2	.3	.3	.3	.3	.3	.3	.3	.2	.3	.3	
22	122	.28	.28	.3	.3	.3	.3	.3	.3	.3	.3	.2	.3	.2	
23	110	.29	.23	.3	.3	.2	.3	.3	.3	.3	.2	.3	.2		
		±0".26	±0".25	±0".3	±0".2	±0".2	±0".3	±0".3	±0".3	±0".3	±0".3	±0".2	±0".3	±0".2	±0".2

Errores probables de las posiciones del Catálogo

Número de estrellas		Número de observaciones	Ep	
α	δ		α	δ
3	3	1		
1840	1794	2	±0".26	±0".25
2111	2143	3	.19	.19
357	366	4	.15	.13
48	52	5	.08	.13
9	9	6	.08	.12
4	5	7	.04	.10
1	1	8	.05	.08

He comparado las posiciones adoptadas en mi catálogo con las dadas en los siguientes : *Fundamental Catálogo de Auwers, Preliminar General Catálogo de Boss, Cape Fundamental Catálogo 1900, Third Melbourne General Catálogo 1890, Cape Catálogo de 3007 estrellas 1890,* y *Cape Catálogo de 1680 estrellas 1900.* Las diferencias las he obtenido siempre en el sentido La Plata — otro catálogo, y sus resultados figuran en las tablas 4; de ellos he sacado los promedios, agrupándolos de dos en dos horas en α y dejando entre cada grupo dos horas de intervalo.

En la pequeña tabla 5 están dispuestos los resultados en grupos de dos horas y por catálogo.

Los movimientos propios dados en los catálogos de Auwers y Boss los he tenido en cuenta al efectuar la comparación y de ellos doy una lista, en la que se encuentran también las correcciones que deben introducirse en mis posiciones para llevarlas a 1925.0. En la tabla 6 las columnas (tanto de α como de δ) encabezadas con $\mu\Delta E$ son las correcciones a que me he referido.

TABLA 4. — La Plata — Fundamental Catálogo de Auwers

Números		α	δ	ΔE	Números		α	δ	ΔE	Números		α	δ	ΔE
LP	FCA				LP	FCA				LP	FCA			
19	4	—0^s.03	+0".2	39.4	1036	158	+0^s.11	+0".5	40.8	2959	293	+0^s.09	—0".2	44.3
84	21	0	— .5	41.2	1143	170	+ .16	+ .6	39.3	3060	298	+ 1	— .1	42.4
103	24	+ .10	— .1	37.2	1263	184	— .4	.0	42.0	3170	305	+ .8	+ .2	37.0
140	37	+ .5	+ .2	44.6	1271	VII	+ .2	+ .1	44.6	3552	341	+ .7	— .7	42.3
263	54	— .17	+1.0	36.6	1509	201	+ .1	+ .1	40.2	3634	347	— 5	+2.5	43.2
330	64	— .7	+ .6	35.5	1606	211	— .4	— .2	33.8	3788	365	+ .8	— .2	42.0
363	70	+ .5	+ .4	40.4	1688	216	+ .1	+ .3	40.1	4034	399	+ .10	—1.5	38.7
407	78	+ .2	— .6	41.0	1740	219	+ .6	+ .4	40.0	4117	418	— .1	— .4	44.2
426	82	— .16	+ .6	42.3	1837	225	— .3	+ .8	40.4	4134	422	— .6	+ .4	36.2
596	103	— .6	— .5	41.7	1990	IX	— .18	— .3	45.8	4232	443	+ .10	— .1	38.1
615	107	+ .2	+ .1	40.2	2386	263	+ .7	+ .7	38.0	4270	451	.0	— .2	32.7
662	115	+ .3	— .5	38.4	2675	XIII	+ .22	— .2	43.8	4327	460	— .1	+ .5	38.5
916	149	— .4	— .3	39.6	2693	278	+ .4	— .1	37.9	4351	466	+ .4	+ .1	37.6

La Plata — Preliminar General Catálogo de Boss

Números		α	δ	ΔE	Números		α	δ	ΔE	Números		α	δ	ΔE
LP	PGC				LP	PGC				LP	PGC			
19	55	−0ˢ.06	−1″.1	37.1	1263	2628	−0ˢ.07	−0″.8	42.5	2675	3739	+0ˢ.07	−0″.4	36.1
36	100	− .8	− .7	44.1	1271	2635	− .3	+ .1	48.2	2693	3755	− .8	−1.1	33.2
38	107	− .6	− .6	47.1	1282	2653	+ .5	+ .1	34.6	2743	3782	+ .1	− .1	31.7
46	146	− .8	− .1	34.0	1345	2707	− .5	+ .5	34.0	2773	3802	− .26	− .9	37.9
62	196	0	+ .8	38.2	1371	2725	− .1	+1.1	30.6	2810	3830	− .16	+ .2	40.2
84	254	− .19	−1.5	40.0	1428	2786	− .12	+ .3	38.4	2870	3876	+ .3	− .6	36.1
140	458	0	−1.5	52.1	1438	2794	0	− .5	33.9	2918	3920	+ .4	− .8	27.4
224	638	− .7	− .9	38.1	1494	2848	− .13	− .2	33.0	2959	3947	+ .6	−1.1	46.5
231	652	+ .16	− .1	36.3	1505	2859	− .12	− .3	43.7	3031	3999	− .15	+ .3	34.5
263	690	− .13	−1.7	36.4	1509	2862	− .9	− .3	49.8	3060	4030	+ .3	−1.0	48.7
307	762	− .3	− .9	40.1	1517	2867	− .13	− .3	37.5	3070	4045	− .3	− .3	37.4
310	766	+ .3	−1.9	36.4	1531	2876	− .11	+1.2	31.5	3170	4118	+ .2	+ .1	41.1
330	812	− .38	− .3	35.1	1534	2878	− .8	+ .1	34.7	3245	4174	− .20	+ .6	39.9
363	875	− .1	− .2	42.9	1537	2880	− .13	+ .7	31.2	3288	4205	− .4	− .7	38.0
383	940	− .9	− .3	50.7	1606	2969	− .25	− .1	33.8	3371	4268	− .6	+ .4	37.7
393	962	− .10	− .7	44.5	1634	3001	− .21	+ .4	35.1	3383	4282	− .10	− .4	40.5
407	994	− .10	−1.0	52.5	1646	3013	− .8	− .6	37.4	3482	4392	− .14	− .2	30.6
409	996	− .7	−1.6	34.4	1688	3054	− .10	+ .1	41.7	3552	4476	− .8	− .3	43.1
414	1016	− .3	+ .2	46.6	1714	3071	− .5	+ .9	37.6	3634	4566	− .10	+ .8	41.6
426	1035	− .27	− .9	45.0	1740	3092	− .10	+ .2	37.9	3643	4575	− .8	− .9	37.4
445	1062	− .3	− .5	34.9	1751	3099	+ .8	+ .2	39.0	3660	4600	+ .12	− .7	39.0
463	1101	+ .10	− .8	32.2	1753	3103	− .14	+ .2	36.4	3711	4666	− .8	− .1	44.7
541	1238	− .5	− .2	43.8	1757	3106	− .18	.0	38.4	3760	4725	− .1	−1.3	47.9
594	1381	− .6	+ .5	40.5	1764	3111	− .12	− .7	38.9	3775	4738	− .12	− .6	46.3
596	1384	− .14	− .5	42.6	1803	3130	− .7	− .7	31.9	3788	4762	− .11	−2.5	45.9
615	1443	− .5	− .9	39.6	1837	3146	− .9	− .2	39.9	4034	5274	− .14	− .4	36.4
632	1486	− .13	.0	43.6	1850	3151	+ .33	− .1	39.5	4063	5348	− .11	− .6	38.0
633	1489	+ .6	− .7	35.0	1862	3160	− .13	+ .3	46.0	4117	5493	− .9	−1.5	50.2
661	1544	+ .11	− .3	38.6	1935	3200	+ .1	− .2	39.4	4134	5541	− .18	+ .6	33.9
662	1546	− .12	− .8	33.5	1989	3236	− .14	− .2	42.3	4153	5606	+ .4	−1.3	31.7
673	1579	+ .1	.0	45.4	1990	3237	− .28	− .3	49.1	4217	5778	+ .1	−1.0	53.8
955	2136	− .2	− .2	36.7	2124	3399	− .3	+ .7	39.5	4232	5811	+ .4	.0	36.3
999	2200	− .1	− .5	36.5	2172	3437	− .10	− .4	35.7	4270	5888	+ .1	− .4	29.9
1011	2214	+ .2	.0	34.7	2198	3464	+ .12	− .2	35.0	4327	5983	− .14	− .1	37.1
1036	2258	+ .7	− .3	39.1	2205	3468	− .5	+ .4	34.0	4351	6039	− .6	− .5	34.4
1065	2316	− .2	+ .1	35.0	2282	3520	− .2	+1.5	28.3	4384	6092	+ .5	− .4	38.6
1143	2440	+ .3	+ .1	42.5	2386	3599	− .6	− .7	34.0	4404	6147	− .8	+ .5	38.1
1200	2521	+ .1	+ .4	30.9	2499	3646	− .15	−1.0	32.6	4406	6149	− .14	− .6	40.1
1211	2542	0	+ .1	41.5	2564	3696	+ .3	+ .6	32.3					

La Plata — Cape Fundamental Catálogo 1900

Números		α	δ	ΔE	Números		α	δ	ΔE	Números		α	δ	ΔE
LP	CFC				LP	CFC				LP	CFC			
19	13	—0ˢ.59	—1″.2	12.1	916	417	—0ˢ.20	—0″.7	12.9	3060	830	+0ˢ.02	—0″.5	14.0
36	24	— .9	—1.3	10.5	1036	440	+ .3	— .6	14.4	3170	848	+ .2	+ .3	12.0
84	55	— .16	— .8	10.9	1143	476	— .4	— .1	12.9	3552	932	— .8	— .3	12.4
103	69	— .5	— .9	12.3	1263	513	— .12	— .4	14.8	3634	951	— .7	+ .7	10.7
140	102	— .6	+ .4	10.8	1509	561	— .8	— .5	13.1	3788	989	— .13	—2.2	10.9
263	155	— .23	—1.3	12.2	1606	585	— .20	0	11.6	4034	1088	— .16	— .3	11.3
330	181	— .34	— .8	11.6	1688	606	— .13	— .2	11.1	4117	1139	— .16	—1.1	11.0
363	196	+ .1	— .6	11.6	1740	614	— .8	+ .2	13.9	4134	1146	— .30	+ .9	13.1
407	222	— .5	— .8	12.5	1837	626	— .6	— .4	12.5	4232	1204	— .6	— .3	11.1
426	231	— .19	—1.0	11.3	2386	720	— .3	—1.0	11.8	4270	1221	— .15	— .5	10.1
596	295	— .8	— .1	12.6	2675	763	+ .2	— .1	10.5	4327	1245	— .17	— .4	11.5
615	305	— .6	— .7	11.5	2693	768	— .7	—1.2	11.5	4351	1259	— .15	— .6	12.4
662	325	— .9	— .5	12.5	2959	812	0	—1.2	14.0					

La Plata — Third Melbourne General Catálogo 1890

Números		α	δ	ΔE	Números		α	δ	ΔE	Números		α	δ	ΔE
LP	TMC				LP	TMC				LP	TMC			
3	1	—0ˢ.19	—2″.0	33.9	537	649	—0ˢ.28	—0″.7	28.0	1120	1127	—0ˢ.25	—0″.3	34.6
12	15	— .12	—0.7	34.0	551	663	+ .3	+2.4	27.9	1143	1148	— .3	+ .1	32.5
15	26	— .11	—2.0	26.0	578	688	— .8	+1.5	27.7	1163	1162	— .26	+1.9	26.6
20	33	— .31	—1.5	33.9	615	727	+ .2	— .7	30.8	1168	1165	— .25	— .1	35.5
25	36	— .40	—2.9	25.9	622	739	— .25	+ .3	26.8	1190	1181	— .23	— .8	34.8
37	50	— .33	—3.5	33.9	669	770	— .15	—1.0	26.8	1199	1183	— .33	— .8	29.3
46	79	+ .7	+0.2	25.9	724	812	— .27	+2.6	28.0	1226	1217	— .19	+ .7	34.8
56	101	+ .22	—0.7	27.0	739	823	— .3	+1.2	27.0	1253	1230	— .26	+ .1	26.6
64	117	— .41	—2.6	26.0	757	838	— .7	0	27.5	1263	1237	— .4	—1.3	31.8
77	140	— .43	—2.8	33.9	769	858	+ .5	— .3	28.0	1271	1246	— .5	— .4	35.2
82	151	— .18	—1.1	26.0	803	889	— .77	—1.0	28.0	1288	1258	— .19	+ .8	35.2
85	162	+ .55	—1.4	33.9	833	915	— .35	+1.1	34.9	1321	1283	— .29	0	34.4
95	183	— .8	—1.4	34.0	835	917	— .10	— .2	27.9	1344	1294	— .11	+1.7	26.5
97	186	+ .2	—1.0	25.9	856	934	— .3	0	29.0	1345	1295	— .20	+1.2	26.6
100	195	+ .16	—0.2	34.0	875	948	— .24	+ .6	35.2	1371	1304	— .12	+1.1	26.6
103	201	+ .6	—0.3	26.0	882	950	— .26	—1.0	28.0	1384	1313	— .10	— .6	35.2
109	216	+ .4	—0.4	33.9	900	970	— .41	+ .6	34.8	1406	1329	— .27	+1.1	26.9
114	220	— .17	—1.3	25.9	916	980	+ .5	+ .3	26.9	1496	1357	— .22	+ .1	34.3
118	228	— .14	—1.7	25.8	920	982	— .36	+3.2	35.9	1515	1378	— .20	+ .6	27.0
119	230	— .39	—3.4	33.9	933	994	— .42	+1.1	35.9	1529	1386	— .19	+ .8	34.8
125	242	— .41	—1.3	33.9	970	1013	— .1	—1.7	35.1	1552	1396	— .4	0	26.9
140	264	— .4	—0.8	31.0	971	1015	— .25	+ .7	35.2	1553	1397	— .23	— .8	35.9
152	279	+ .4	—0.6	34.0	980	1022	— .6	+1.2	26.4	1619	1452	— .18	+ .7	34.6
159	303	+ .32	+1.5	34.4	985	1028	— .68	+4.8	24.6	1644	1464	— .15	+1.2	34.4
185	342	— .15	—2.0	35.1	1005	1044	— .27	+ .3	35.6	1653	1473	— .7	— .2	28.6
190	345	— .34	—0.8	27.0	1006	1045	— .23	+1.3	26.6	1699	1490	— .9	— .1	34.5
213	372	— .8	—1.5	34.4	1031	1060	— .11	— .4	34.7	1702	1492	— .10	— .5	26.0
242	400	+ .54	+4.0	33.9	1041	1073	+ .3	— .8	34.6	1766	1520	— .45	+ .3	34.5
246	405	+ .46	+0.3	25.8	1046	1075	— .4	+ .5	34.6	1770	1521	+ .9	— .2	26.8
249	407	— .6	—1.0	26.7	1066	1087	— .27	— .1	35.4	1813	1530	— .21	— .5	34.8
287	433	+ .32	+2.5	34.9	1086	1107	— .31	+ .2	34.6	1853	1539	— .14	+ .1	35.4
313	454	+ .1	0	33.8	1097	1113	— .3	— .4	26.6	1888	1553	— .23	—1.5	34.9
343	484	+ .1	+0.1	33.8	1105	1116	— .12	— .4	34.7	1926	1560	+ .7	—1.2	26.3

La Plata — Third Melbourne General Catálogo 1890 *(conclusión)*

Números		α	δ	ΔE	Números		α	δ	ΔE	Números		α	δ	ΔE
LP	TMC				LP	TMC				LP	TMC			
1944	1565	−0ˢ.17	−1″.0	34.9	3211	2055	−0ˢ.18	−1″.0	28.7	3996	2593	−0ˢ.19	−3″.3	33.9
1988	1578	− .36	− .5	35.2	3257	2074	− .6	+ .5	34.0	4000	2604	− .8	−1.8	27.0
1990	1579	− .29	−1.1	32.4	3265	2077	− .11	−1.1	29.0	4023	2633	− .16	−2.9	34.9
2036	1618	− .26	− .1	34.8	3281	2084	− .3	−2.3	26.0	4054	2653	− .9	−2.4	26.9
2061	1630	− .8	− .7	27.3	3294	2090	− .25	−1.2	34.9	4069	2668	− .33	−1.3	27.0
2072	1637	− .22	− .8	34.8	3319	2098	− .12	−2.3	28.6	4081	2681	− .25	−1.3	26.0
2095	1646	− .22	−1.9	26.4	3338	2108	+ .26	− .7	34.0	4107	2723	− .22	−1.2	35.6
2120	1660	− .21	− .9	26.8	3371	2123	− .16	− .9	27.5	4117	2737	− .9	−1.2	27.4
2124	1661	− .6	− .2	27.2	3389	2137	− .3	− .4	34.0	4128	2749	− .9	−1.2	34.9
2139	1687	− .7	− .6	35.4	3416	2153	− .54	−2.5	34.9	4134	2760	− .12	0	28.7
2197	1688	− .34	− .8	34.8	3430	2166	− .16	−1.4	29.9	4150	2782	− .24	−1.4	25.9
2239	1706	− .6	− .4	35.5	3471	2196	− .32	−1.2	34.0	4152	2787	− .17	− .4	35.6
2240	1705	− .34	−1.7	27.7	3484	2200	− .32	−2.0	27.0	4153	2786	− .9	−1.4	26.9
2280	1722	− .14	− .9	34.3	3512	2213	− .18	− .9	27.0	4172	2813	− .8	−2.5	27.6
2287	1727	− .11	− .9	26.8	3526	2221	− .19	−2.3	28.1	4175	2818	+ .8	−1.9	33.9
2323	1737	− .28	− .1	28.6	3552	2246	+ .6	−1.6	28.0	4195	2837	− .18	−1.5	27.0
2363	1749	−1.27	−4.7	34.8	3570	2260	− .25	−2.7	36.9	4196	2840	− .7	− .7	34.0
2365	1750	− .10	+ .9	34.8	3579	2264	− .24	− .8	27.1	4208	2856	− .25	−1.1	27.1
2379	1752	− .31	−1.6	27.7	3586	2269	+ .35	−9.7	29.2	4209	2858	− .5	− .1	34.0
2410	1762	− .27	−1.2	35.6	3614	2285	− .15	− .6	26.0	4212	2864	− .31	−1.5	27.0
2424	1769	+ .13	− .7	27.9	3626	2290	− .16	−1.9	26.0	4222	2872	− .48	−2.8	27.1
2448	1776	+ .17	−6.9	34.7	3660	2309	− .28	−2.0	34.3	4235	2883	+ .23	−2.4	35.6
2493	1792	− .30	−1.1	34.8	3678	2320	− .35	−5.7	34.9	4251	2897	− .5	−1.9	33.9
2499	1793	− .28	−1.0	27.0	3700	2334	− .34	−2.4	35.0	4254	2904	− .16	−1.0	27.0
2548	1814	− .6	−1.2	28.7	3720	2350	− .16	−2.1	33.9	4266	2914	− .9	− .6	35.0
2580	1824	− .66	−2.2	34.9	3729	2356	− .14	−1.9	26.9	4277	2922	− .12	−1.2	27.0
2647	1844	0	−1.7	34.8	3749	2362	− .26	−1.0	35.0	4288	2932	− .1	−1.2	35.0
2678	1851	− .24	− .4	28.6	3775	2375	− .24	−1.5	34.2	4292	2934	− .8	−2.7	26.0
2772	1885	− .7	−1.8	26.7	3780	2378	− .5	−1.4	35.0	4315	2956	− .55	−1.6	34.9
2829	1906	− .34	−1.8	35.5	3790	2386	− .26	−1.5	27.9	4333	2969	− .16	− .1	28.0
2858	1919	− .16	−1.6	34.1	3791	2390	+ .6	−1.6	27.9	4336	2973	− .64	−1.3	33.9
2891	1933	− .11	−2.0	34.7	3812	2407	− .21	− .7	35.0	4360	2999	− .35	−3.7	33.9
2974	1964	− .8	−1.6	34.8	3828	2425	0	−3.3	27.0	4362	3002	+ .7	+ .2	26.9
2977	1968	− .10	−1.6	34.6	3870	2447	− .27	−1.3	26.9	4370	3008	− .11	−1.5	27.9
3036	1981	+ .32	+2.6	35.6	3910	2483	− .23	− .2	34.9	4382	3020	− .4	−2.0	33.9
3049	1991	+ .17	− .7	26.4	3916	2492	− .3	−3.1	27.0	4394	3027	+ .4	− .6	25.9
3066	2002	− .15	−2.5	34.3	3934	2513	+ .7	+2.4	26.9	4399	3034	− .20	−1.3	34.9
3091	2011	− .7	−1.0	27.8	3936	2517	− .10	−2.0	33.9	4405	3049	− .17	− .5	34.9
3112	2022	− .21	−1.3	35.6	3948	2533	− .4	− .3	28.0	4406	3050	− .26	−2.5	25.9
3155	2029	− .25	−2.8	28.0	3957	2545	+ .38	−7.8	27.0					
3206	2052	− .16	−1.4	34.0	3964	2555	− .20	+ .1	34.9					

La Plata — Cape Catálogo 3007 estrellas 1890

Números		α	δ	ΔE	Números		α	δ	ΔE	Números		α	δ	ΔE
LP	CC				LP	CC				LP	CC			
19	31	+0ˢ.02	−0″.6	32.0	84	149	−0ˢ.02	−0″.7	29.3	263	386	−0ˢ.16	+0″.5	31.7
36	51	+ .31	−2.7	30.5	103	189	+ .9	− .3	27.7	330	436	− .6	0	29.3
38	53	+ .34	−1.5	24.0	140	250	+ .15	+ .1	32.6	360	469	− .7	+ .3	27.4
46	72	+ .23	+1.3	30.1	153	263	+ .32	+ .6	24.4	363	476	+ .5	− .1	28.7
62	102	+ .35	+ .5	24.3	170	309	+ .64	+ .2	31.4	380	511	− .12	− .7	25.4

La Plata — Cape Catálogo 3007 estrellas 1890 *(conclusión)*

Números		α	δ	ΔE	Números		α	δ	ΔE	Números		α	δ	ΔE
LP	CC				LP	CC				LP	CC			
407	530	+0ˢ.02	−0″.4	28.6	1509	1250	−0ˢ.05	−0″.4	28.1	3170	1927	+0ˢ.13	0	26.4
426	546	— .14	+ .3	26.3	1606	1301	— .6	— .3	28.2	3552	2046	+ .9	−0″.2	30.4
596	665	— .2	— .5	31.6	1688	1338	— .4	0	25.6	3634	2209	+ .5	+1.6	27.8
615	681	+ .5	— .1	29.4	1734	1348	+ .1	−1.0	29.7	3788	2302	+ .6	— .9	32.5
661	715	+ .16	0	30.7	1740	1351	— .2	+ .3	29.6	3930	2443	— .10	−3.1	27.7
662	716	+ .6	— .8	26.8	1837	1371	— .1	+ .5	28.7	4034	2552	+ .13	−1.6	30.9
833	852	— .16	+ .6	31.0	1862	1377	+ .13	— .5	31.6	4064	2585	— .14	0	26.0
916	907	— .2	— .3	30.8	1990	1416	— .22	— .8	32.3	4105	2655	+ .32	−1.6	26.3
1036	964	+ .14	+ .1	31.2	2386	1607	+ .3	+ .1	26.5	4117	2676	+ .5	— .5	29.4
1143	1040	+ .30	0	30.5	2402	1610	— .26	— .8	26.4	4134	2700	— .5	+ .2	29.3
1200	1081	— .1	— .1	30.1	2448	1625	+ .25	−6.5	33.8	4202	2785	+ .9	−1.0	30.7
1221	1113	+ .10	— .5	33.1	2499	1645	— .15	−1.2	27.9	4232	2818	+ .11	— .6	28.3
1263	1146	+ .10	— .1	29.9	2675	1699	+ .24	+ .2	28.1	4270	2856	+ 4	— .8	26.1
1271	1151	+ .6	+ .1	31.1	2693	1711	+ .5	— .5	25.3	4327	2902	+ 4	+ .1	29.4
1304	1169	— .13	+ .2	27.7	2959	1819	+ .17	— .6	30.0	4351	2930	+ .8	— .3	26.4
1428	1223	— .33	+ .8	26.0	3060	1882	+ .5	— .4	28.5					

La Plata — Cape Catálogo 1680 estrellas 1900

Números		α	δ	ΔE	Números		α	δ	ΔE	Números		α	δ	ΔE
LP	CC				LP	CC				LP	CC			
19	7	−0ˢ.13	−1″.9	14.0	999	575	−0ˢ.09	−1″.5	13.6	1803	966	−0ˢ.04	−0″.9	13.1
36	19	6	— .8	14.1	1011	578	+ .6	— .8	13.7	1837	975	— 4	−1.0	13.4
46	28	+ .2	+ .2	13.9	1036	595	+ .10	— .6	15.3	1850	977	— .25	— .6	14.4
62	35	+ .7	+ .2	13.9	1065	619	— 1	— .8	13.6	1862	982	— .3	— .5	14.3
84	47	.12	−1.7	14.0	1143	676	+ .1	— .2	13.6	1935	1000	0	— .6	14.6
140	92	+ .14	−1.8	14.9	1200	710	0	— .2	14.9	1989	1010	— .10	— .6	15.8
224	126	.6	1.2	14.0	1211	721	— .1	— .5	13.0	2124	1067	— .6	0	14.3
263	138	.18	.9	15.0	1263	756	— .18	−0.7	17.3	2172	1076	— .13	−1.3	13.9
307	155	+ 3	−1.0	14.8	1271	760	+ .3	+ .1	13.4	2198	1086	+ .19	— .6	14.8
310	156	+ .5	−1.7	14.4	1282	765	+ .3	— .3	13.5	2205	1087	+ .6	— .5	14.6
330	167	.31	−1.6	14.6	1345	779	— .22	— .1	13.6	2282	1097	— .12	+ .5	13.4
363	177	.2	— .4	14.9	1371	784	— .13	+ .5	13.6	2386	1116	— .6	— .7	14.2
383	196	.9	— .7	14.9	1428	801	— .30	+ .2	13.9	2499	1135	.19	−1.4	14.0
393	202	.3	.1	14.7	1438	804	+ .1	— .9	15.0	2564	1148	.4	.1	14.6
407	210	.12	−1.5	15.6	1494	826	— .14	— .6	13.9	2675	1163	+ .11	— .6	13.5
409	212	6	.9	15.0	1505	829	— .10	— .6	14.9	2693	1168	— .4	−1.3	13.5
414	216	.2	+ .1	14.7	1509	832	— .8	+ .4	15.2	2743	1175	— .1	— .7	13.5
426	219	.29	−1.6	13.9	1517	835	— .19	— .5	14.9	2773	1182	— .25	−1.4	14.7
445	225	— .10	— .8	15.0	1531	838	.15	+ .4	13.9	2810	1191	— .3	0	13.5
463	238	.10	−2.5	14.7	1534	839	.10	— .2	13.4	2870	1209	+ 2	— .6	14.0
541	272	— .5	1.7	15.7	1537	841	— .13	+ .1	13.6	2918	1224	— 2	−1.5	13.9
594	296	— .8	.6	14.0	1606	878	— .15	.5	13.9	2959	1233	+ .7	−1.2	14.7
596	297	.19	.3	15.5	1634	892	— .25	+ .1	13.9	3031	1244	— .15	— .5	13.5
615	313	+ .2	1.3	15.0	1646	898	.9	— .5	14.9	3060	1248	+ 9	−1.1	16.2
632	331	+ .14	.4	14.5	1688	922	— .9	+ .5	14.4	3070	1251	— 1	−1.1	13.7
633	332	0	.3	15.0	1714	932	— .12	+ .1	13.5	3170	1266	+ .5	— .1	13.1
661	349	+ .14	.4	15.0	1740	940	— .2	— .4	15.6	3245	1279	— .17	+ .4	13.1
662	350	.5	1.6	13.8	1753	947	— .16	— .3	15.0	3288	1287	+ .8	−2.1	15.2
673	359	.12	+1.1	14.7	1757	950	— .19	— .5	13.9	3371	1301	— .7	— .3	14.6
955	547	.3	— .4	14.9	1764	952	— .19	−1.1	14.6	3383	1305	— .3	−1.0	14.9

La Plata — Cape Catálogo 1680 estrellas 1900 *(conclusión)*

Números		α	δ	ΔE	Números		α	δ	ΔE	Números		α	δ	ΔE
LP	CC				LP	CC				LP	CC			
3482	1328	—0ˢ.08	—0″.7	13.1	3788	1418	—0ˢ.09	—3″.0	15.7	4270	1621	+0ˢ.04	—0″.5	14.0
3552	1351	— .12	— .2	16.6	4034	1499	— .12	—1.2	14.9	4327	1639	+ .1	— .6	15.0
3634	1369	— .9	— .2	14.2	4063	1514	+ .4	—1.5	14.2	4351	1655	0	— .5	15.0
3643	1372	— .8	—1.6	14.2	4117	1542	— .16	—1.6	15.6	4384	1666	+ .6	— .3	14.0
3660	1377	— .1	—1.7	14.2	4134	1552	— .8	+ .3	15.7	4404	1672	+ .3	+ .4	15.0
3711	1396	— .8	—2.2	14.1	4153	1561	+ .6	—1.5	14.6	4406	1673	— .9	—1.7	14.0
3760	1411	+ .9	—1.7	13.1	4217	1601	+ .4	—1.3	15.6					
3775	1415	— .12	—1.0	14.1	4232	1607	— .2	— .4	14.0					

TABLA 5

α	Auwers		Boss		Cape Fundam. 1900		Melbourne		Cape 1890		Cape 1900	
	α	δ	α	δ	α	δ	α	δ	α	δ	α	δ
0ʰ y 1ʰ	+0ˢ.030	—0″.05	—0ˢ.067	—0″.67	—0ˢ.190	—0″.76	—0ˢ.118	—1″.49	+0ˢ.184	—0″.49	—0ˢ.013	—1″.00
4 5	— .045	— .10	— .066	— .55	— .095	— .65	— .112	+ .56	+ .014	— .14	— .067	— .92
8 9	+ .062	+ .30	+ .005	— .07	— .043	— .37	— .185	+ .22	+ .090	— .04	— .006	— .55
12 13	— .055	+ .10	— .032	+ .07	— .030	—1.00	— .222	— .94	— .080	— .50	— .050	— .49
16 17	+ .085	— .25	— .086	— .07	— .030	0	— .138	—1.78	+ .110	— .10	— .049	— .57
20 21	+ .010	— .50	— .096	— .64	— .207	— .17	— .141	—1.61	+ .062	— .70	— .052	—1.10

TABLA 6. — Movimientos propios

Números	α		δ		Números	α		δ		Números	α		δ	
	μ	$\mu\Delta E$	μ	$\mu\Delta E$		μ	$\mu\Delta E$	μ	$\mu\Delta E$		μ	$\mu\Delta E$	μ	$\mu\Delta E$
19	+0ˢ.2694	+1ˢ.40	+1″.142	+5″.9	541	+0ˢ.0011	0	—0″.047	—0″.2	1428	—0ˢ.0121	—0ˢ.06	+0″.016	+0″.1
36	+ .131	+ .7	— .54	— .3	594	+ .57	+0ˢ.03	— .28	— .1	1438	— .6	0	+ .7	0
38	+ .120	+ .6	— .39	— .2	596	— .20	— .1	+ .16	+ .1	1494	— .18	— .1	0	0
46	+ .78	+ .4	+ .47	+ .2	615	— .82	— .4	— .14	— .1	1505	— .25	— .1	+ .7	0
62	+ .82	+ .4	— .11	— .1	632	+ .195	+ .9	+ .546	+2.5	1509	— .52	— .2	+ .1	0
84	+ .70	+ .4	— .10	— .1	633	— .43	— .2	+ .67	+ .3	1517	— .20	— .1	+ .5	0
103	— .30	— .2	— .20	— .1	661	+ .3	0	+ .25	+ .1	1531	— .27	— .1	— .33	— .2
140	+ .343	+ .17	+ .10	+ .1	662	0	0	— .80	— .4	1534	— .1	0	0	0
224	+ .15	+ .1	+ .3	0	673	— .44	— .2	+ .108	+ .5	1537	— .11	— .1	— .12	— .1
231	+ .80	+ .4	+ .22	+ .1	916	— .40	— .2	— .10	0	1606	— .100	— .5	0	0
263	0	0	— .40	— .2	955	— .19	— .1	+ .15	0	1634	— .11	— .1	— .11	— .1
307	+ .1947	+ .93	+ .677	+3.2	999	— .52	— .3	— .28	— .1	1646	— .464	— .18	— .79	— .3
310	+ .1924	+ .90	+ .692	+3.3	1011	+ .17	+ .1	+ .29	+ .1	1688	— .89	— .5	— .19	— .1
330	+ .480	+ .21	+ .350	+1.5	1036	— .78	— .3	— .181	— .6	1714	— .48	— .2	— .21	— .1
363	+ .464	+ .19	+ .57	+ .4	1065	— .12	— .1	— .29	— .2	1740	— .200	— .6	+ .30	+ .1
383	— .3	0	+ .22	+ .1	1143	— .41	— .2	— .108	— .6	1751	+ .10	0	— .29	— .1
393	+ .310	+ .13	+ .338	+1.5	1200	— .9	0	— .15	0	1753	— .20	— .1	— .14	— .1
407	+ .36	+ .2	+ .47	+ .2	1211	— .106	— .5	+ .59	+ .3	1757	— .2	0	— .18	— .1
409	+ .6	0	+ .96	+ .4	1263	— .43	— .1	+ .7	0	1764	— .56	— .2	— .15	— .1
414	— .7	0	+ .22	0	1271	— .39	— .2	+ .11	+ .1	1803	+ .9	0	+ .8	0
426	+ .109	+ .6	+ .143	+ .7	1282	— .13	— .1	+ .1	0	1837	— .230	— .12	— .20	— .1
445	— .45	— .2	+ .10	0	1345	— .102	— .5	+ .34	+ .2	1850	— .8	0	+ .2	0
463	— .127	— .5	— .87	— .4	1371	— .60	— .3	— .15	— .1	1862	0	0	— .46	— .2

Movimientos propios *(conclusión)*

Números	α		δ		Números	α		δ		Números	α		δ	
	p	pΔE	p	pΔE		p	pΔE	p	pΔE		p	pΔE	p	pΔE
1935	—0ˢ.0069	—0ˢ.03	—0″.019	—0″.1	2918	—0ˢ.0045	—0ˢ.02	—0″.023	—0″.1	3775	—0ˢ.0051	—0ˢ.02	—1″.081	—0″.4
1989	— . 52	— . 2	— . 40	— .2	2959	+ . 13	0	— . 85	— .3	3788	— . 69	— . 3	— . 55	— .2
1990	— . 58	— . 3	— . 21	— .1	3031	— . 19	— . 1	— . 45	— .2	4034	+ . 10	0	— . 40	— .2
2124	— . 15	— . 1	— . 24	— .1	3060	— . 302	— .11	— .404	—1.5	4063	+ . 76	+ . 3	— . 40	— .2
2172	— . 14	— . 1	— . 34	— .2	3070	— . 7	0	— . 29	— .1	4117	+ . 110	+ . 5	+ .789	+3.5
2198	+ . 47	+ . 2	— . 39	— .1	3170	— . 25	— . 1	— . 16	— .1	4134	— . 20	— . 1	0	0
2205	— . 231	— . 9	— . 39	— .2	3245	+ . 88	+ . 5	+ . 8	0	4153	— . 12	— . 1	— . 2	0
2282	— . 79	— . 4	— . 45	— .2	3288	+ . 59	+ . 2	— . 58	— .2	4217	+ . 106	+ . 4	+ . 11	0
2386	— . 90	— . 4	— . 80	— .4	3371	— . 9	0	— . 22	— .1	4232	+ . 13	+ . 1	— . 33	— .2
2499	— . 24	— . 1	— . 9	0	3383	+ . 12	0	— . 23	— .1	4270	— . 20	— . 1	— . 50	— .3
2564	— . 51	— . 2	— . 25	— .1	3482	+ . 30	+ . 2	— . 11	— .1	4327	+ . 215	+ . 9	— 50	— .2
2675	— . 348	— .18	— .241	—1.2	3552	— . 55	— . 2	— . 45	— .2	4351	+ . 10	0	— . 20	— .1
2693	+ . 60	+ . 3	— .100	— .5	3634	0	0	— .220	— .9	4384	+ . 6	0	+ . 26	+ .1
2743	— . 29	— . 1	— . 22	— .1	3643	— . 117	— . 5	+ .239	+1.0	4404	+ . 94	+ . 4	+ . 19	+ .1
2773	— . 7	0	— . 10	0	3660	— . 95	— . 4	— . 32	— .1	4406	+ . 142	+ . 7	— . 68	— .4
2810	+ . 183	+ . 9	— . 5	0	3711	— . 10	0	— . 33	— .1					
2870	— . 2	0	— . 9	0	3760	— . 8	0	— .144	— .8					

Creo innecesario dar una explicación del uso del catálogo; sin embargo, puede ser útil una aclaración en cuanto a las abreviaturas y las diferentes notas que he creído conveniente introducir. Todas las estrellas fundamentales tienen la abreviación F. y su nombre correspondiente. Muchas otras estrellas tienen nombres sacados de los diferentes catálogos que he utilizado para comparación.

Para las estrellas que tienen más de cuatro observaciones, al final de la página se encuentra anotado el número de las zonas en que fueron también ejecutadas (utilicé números para las llamadas). Las zonas que he designado con las letras (Mg), para las estrellas números 154 y 155, corresponden a observaciones ejecutadas por el señor Manganiello.

Para las estrellas dobles y cercanas, está dada la nota de la compañera de la observada, y generalmente tienen el nombre correspondiente. Las estrellas rojas y rojizas las he distinguido con la letra R.

A gran número de estrellas fué indispensable introducir notas a fin de identificarlas, he creído conveniente dejar constancia de ellas haciéndolas figurar al final de cada página (utilicé las letras minúsculas para las llamadas). Como era indispensable darlas en forma abreviada, he llamado con *p* = precede, *s* = sigue, *t* = tomé, N = Norte, S = Sud, *b* = más brillante, *d* = más débil, D = dobles. Las notas subrayadas indica que la estrella no fué encontrada en la C. P. D.

Al final del *Catálogo* figura una lista de 61 estrellas, que no pertenece al programa, para las que doy sus posiciones determinadas generalmente con una sola observación. A varias de ellas no he podido identificar, han sido observadas confundiéndolas con alguna del programa.

Antes de terminar con esta introducción quiero expresar mi agradecimiento a mi esposa, la señora Sara Salas de Martínez, por la apreciable ayuda que me ha prestado tanto en el trabajo de observación, como en las reducciónes y cálculos. Aunque se trata de una ayuda fuera del trabajo oficial de este Instituto, ha sido tan valiosa, que no puedo menos que dejar constancia de ella.

HUGO ARTURO MARTÍNEZ.

La Plata, noviembre de 1923.

EL CATÁLOGO

EL CATÁLOGO

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser:
1	8.6	$0^h\ 1^m21^s.15$	$+3^s.0571$	$-^s.0567$	$-63°15'49''.1$	$+20''.045$	$-''.011$	19.8	41 43 51	63°4949	
2	8.9	1 39.67	3.0548	.0527	61 38 30.6	20.044	.012	19.8	37 38 42 44	61 6795	
3	8.1	1 47.97	3.0533	.0528	61 43 41.5	20.044	.012	19.8	45 46 51	62 6468	Tuc. L 9716
4	8.6	2 29.77	3.0421	.0598	64 39 30.5	20.044	.013	19.9	47 48 49	64 4404	
5	7.9	3 50.73	3.0293	.0542	62 43 57.3	20.042	.016	19.8	40 41 43	63 5	
6	8.1	0 5 57.35	+3.0016	−.0561	−64 0 22.7	+20.038	−.020	19.8	37 38 42 44	64 3	
7	6.8	6 8.01	3.0035	.0530	62 42 53.8	20.038	.020	19.8	45 46	62 9	
8	8.4	6 14.87	2.9918	.0606	65 46 28.7	20.037	.020	19.9	47 48 49	66 6	
9	8.4	6 19.70	2.9981	.0552	63 42 48.5	20.037	.020	19.8	40 41 43	63 10	
10	8.9	6 54.30	2.9900	.0557	64 3 5.6	20.036	.022	19.8	37 38 42 44	64 5	
11	8.3	0 8 42.84	+2.9771	−.0503	−62 1 22.0	+20.030	−.025	19.8	45 46	62 13	
12	8.4	8 57.58	2.9756	.0496	61 43 49.1	20.030	.026	19.9	47 48 49	62 14	MZ 6868
13	7.5	10 40.85	2.9496	.0518	63 11 22.2	20.023	.029	19.8	40 41 43	63 19	
14	9.3	12 17.84	2.9367	.0490	62 12 58.0	20.016	.032	19.8	37 38 42 44	62 19	
15	9.5	13 17.25	2.9057	.0546	65 7 53.8	20.011	.033	19.8	45 46 51	65 7	Tuc. G 189
16	8.4	0 13 33.81	+2.9261	−.0473	−61 40 30.3	+20.010	−.034	19.9	47 48 49	61 10	
17	7.7	14 49.18	2.8965	.0511	63 53 34.8	20.003	.036	19.8	40 41 43	64 17	
18	9.0	14 56.66	2.9105	.0468	61 46 58.4	20.002	.036	19.8	37 38 42 44	62 22	
19	4.5	16 8.96	2.8680	.0533	65 19 2.6	19.995	.038	19.8	45 46 51	65 13	F. g Tucanae
20	8.5	16 53.09	2.8868	.0466	62 7 3.3	19.990	.040	19.8	40 41 43	62 25	MZ 6880
21	9.0	0 17 2.41	+2.8878	−.0460	−61 46 47.2	+19.989	−.040	19.9	47 48 49	62 26	
22	8.8	17 23.02	2.8502	.0531	65 31 45.5	19.987	.040	19.8	37 38 42 44	65 16	
23	8.3	18 35.36	2.8715	.0450	61 42 50.1	19.979	.042	19.8	45 46 51	61 19	
24	9.1	18 59.57	2.8450	.0492	64 5 35.5	19.976	.043	19.9	47 48 49	64 23	
25	8.1	19 35.71	2.8219	.0516	65 32 9.8	19.972	.044	19.8	40 41 43	65 20	Tuc. G 301
26	7.9	0 20 8.02	+2.8442	−.0462	−62 50 34.1	+19.968	−.045	19.8	37 38 42 44	63 35	
27	8.2	21 25.36	2.8319	.0452	62 37 18.8	19.957	.047	19.9	48 49 51	62 31	
28	8.7	21 28.15	2.8122	.0483	64 21 54.6	19.957	.047	19.8	45 46 50	64 27	
29	7.8	21 37.89	2.7923	.0509	65 48 50.8	19.956	.047	19.8	40 41 43	66 26	
30	9.2	21 52.34	2.8278	.0449	62 31 45.4	19.954	.048	19.8	37 38 42 44	62 32	
31	8.4	0 22 9.13	+2.8034	−.0480	64 24 30.7	+19.951	−.048	19.8	45 46 50	64 30	
32	8.7	22 34.75	2.8260	.0436	61 57 13.3	19.948	.049	19.9	47 48 49	62 33	
33	7.9	24 52.98	2.7601	.0477	65 8 39.7	19.927	.052	19.8	40 41 43	65 35	
34	8.9	25 50.19	2.7402	.0480	65 40 17.1	19.918	.053	19.8	37 38 42 44	65 39	
35	8.9	26 13.48	2.7869	.0418	61 53 58.4	19.914	.055	19.8	45 46 50	62 38	
36	4.3	0 28 6.74	+2.7466	−.0430	−63 22 17.3	+19.894	−.057	19.9	47 48 49	63 50	D.' Tucanae
37	9.0	28 8.23	2.7680	.0407	61 45 36.8	19.894	.058	19.8	41 43 51	62 43	MZ 6892
38	5.7	29 19.08	2.7316	.0425	63 26 40.2	19.881	.059	19.8	37 38 42 44	63 52	L 123, 54 G Tuc.
39	7.9	30 7.03	2.7494	.0395	61 33 40.3	19.872	.061	19.8	45 46 50	61 29	D/i 3378
40	9.2	31 0.05	2.7116	.0416	63 28 30.5	19.862	.062	19.9	47 48 49	63 56	
41	8.3	0 32 22.29	+2.7226	−.0386	−61 44 55.6	+19.845	−.064	19.8	40 41 43	62 51	
42	7.1	33 19.59	2.6470	.0430	65 32 14.1	19.833	.064	19.8	37 38 42 44	65 58	
43	9.2	34 54.95	2.6765	.0388	62 53 37.3	19.813	.067	19.9	45 46 50 51	63 64	
44	9.0	38 26.47	2.6080	.0386	64 21 2.4	19.763	.072	19.9	47 48 49 51	64 67	
45	8.3	38 28.37	2.5956	.0392	64 55 10.9	19.763	.072	19.8	40 41 43	65 68	
46	5.9	0 39 16.32	+2.5637	−.0397	−65 52 48.1	+19.751	−.072	19.8	38 42 44 37	66 47	ρ Tucanae
47	8.3	40 5.09	2.5687	.0385	65 13 49.9	19.739	.074	19.8	45 46 50	65 73	
48[a]	9.1	40 20.73	2.5599	.0386	65 27 49.5	19.735	.074	19.9	47 48 49 51	65 75	
49	6.5	41 16.04	2.6048	.0356	62 54 29.7	19.731	.077	19.8	40 41 43	63 72	DCó 2
50	8.2	41 41.38	2.5855	.0360	63 36 21.2	19.714	.077	19.8	37 38 42 44	63 73	

(a) p 10^s ★ 10.2 1'S.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
51	7.8	$0^h43^m\ 3^s.35$	+2.5810	−.0348	−63° 5′ 7″.3	+19″.692	−″.079	19.8	45 46 50 51	63°.75	
52	8.6	43 15.43	2.5913	.0344	62 29 10.7	19.689	.079	19.9	47 48 49	62 63	
53	8.3	43 41.41	2.5728	.0345	63 8 9.5	19.682	.080	19.8	40 41 43	63 76	
54	9.1	45 30.87	2.5739	.0328	62 8 13.8	19.651	.082	19.8	37 38 42 44	62 66	
55	8.8	46 21.85	2.4858	.0348	65 24 46.1	19.636	.081	19.9	45 46 50 51	65 86	
56	8.4	0 47 16.57	+2.4994	−.0337	−64 28 36.1	+19.620	−.083	19.9	47 48 49	64 81	MZ 33749
57	8.9	48 22.37	2.4959	.0328	64 6 16.9	19.600	.085	19.8	40 41 43	64 83	
58	7.2	49 29.70	2.4816	.0322	64 8 58.9	19.579	.086	19.8	37 38 42 44	64 84	
59	8.7	49 39.95	2.4493	.0328	65 15 5.8	19.576	.085	19.8	45 46 50	65 89	
60	9.0	49 58.19	2.4646	.0322	64 34 16.2	19.570	.086	19.9	47 48 49	64 86	
61	9.1	0 50 8.75	+2.4949	−.0314	−63 20 17.0	+19.567	−.087	19.8	41 43 51	63 81	
62	6.5	50 30.84	2.4923	.0312	63 16 41.8	19.560	.088	19.8	37 38 42 44	63 83	L 253, 69 G Tuc.
63	9.0	51 26.83	2.4760	.0308	63 29 54.9	19.542	.089	19.9	45 46 50 51	63 86	
64[a]	8.0	51 41.06	2.4056	.0318	65 51 56.3	19.537	.087	19.9	47 48 49	66 69	D Tuc. L 258
65	7.9	53 15.84	2.4311	.0302	64 22 4.3	19.506	.090	19.8	40 41 43	64 91	
66	8.9	0 53 45.86	+2.4219	−.0300	−64 28 51.3	+19.496	−.090	19.8	37 38 42 44	64 93	DCó
67	8.9	53 59.22	2.4421	.0296	63 40 52.0	19.491	.091	19.9	45 46 50 51	63 91	
68	8.8	54 37.75	2.4170	.0296	64 17 51.8	19.478	.092	19.9	47 48 49	64 95	
69	8.5	54 48.72	2.4183	.0293	64 10 48.1	19.474	.092	19.8	40 41 43	64 96	
70	8.6	55 11.65	2.3854	.0294	65 7 2.7	19.466	.091	19.8	37 38 42 44	65 100	
71	8.5	0 55 14.27	+2.3833	−.0294	−65 10 1.9	+19.465	−.091	19.8	45 46 50	65 101	
72	9.0	57 3.30	2.4570	.0272	61 51 29.4	19.427	.096	19.9	47 48 49 51	62 78	
73	9.5	57 41.15	2.3566	.0279	65 4 8.2	19.413	.094	19.8	40 41 43	65 102	
74	8.6	57 44.47	2.3678	.0278	64 42 2.9	19.412	.094	19.8	37 38 42 44	64 102	
75[b]	9.0	58 19.78	2.4352	0268	62 10 22.8	19.399	.098	19.8	45 46 50 51	62 79	
76	9.1	0 58 19.86	+2.4477	−.0266	−61 42 6.8	+19.399	−.098	19.9	47 48 49	61 59	
77[c]	8.9	58 27.13	2.4342	.0267	62 9 39.0	19.396	.098	19.8	40 41 43	62 80	MZ 6924
78	8.6	58 37.67	2.4212	.0268	62 33 56.0	19.392	.097	19.8	37 38 42 44	62 81	
79	8.7	59 47.13	2.3536	.0266	64 23 15.7	19.367	.096	19.9	45 46 50 51	64 107	
80	7.2	59 50.63	2.3028	.0267	65 51 33.2	19.365	.095	19.9	47 48 49	66 80	
81	8.9	1 1 6.44	+2.3329	−.0259	−64 32 38.9	+19.336	−.098	19.8	40 41 43	64 109	
82	7.9	1 41.29	2.3068	.0256	65 6 12.3	19.323	.098	19.8	42 44	65 112	Tuc. G 1005
83	8.8	2 39.56	2.4008	.0246	61 45 31.7	19.300	.103	19.9	45 46 50 51	62 85	
84	6.0	4 20.49	2.3710	.0239	62 10 32.7	19.260	.104	19.9	47 48 49	62 89	F. c Tucanae
85	7.5	5 6.20	2.3601	.0236	62 16 17.8	19.241	.105	19.8	40 41 43	62 90	MZ 6932
86	8.2	1 7 8.00	+2.2541	−.0226	−64 45 31.5	+19.191	−.103	19.8	42 44	65 119	
87	8.7	9 46.44	2.2972	.0214	62 40 34.0	19.123	.108	19.9	45 46 50 51	62 97	
88	8.8	10 57.32	2.1819	.0202	65 25 55.8	19.092	.105	19.9	47 48 49	65 123	
89	9.1	11 24.32	2.2142	.0203	64 29 14.5	19.080	.107	19.8	40 41 43	64 121	
90	8.7	11 55.20	2.1816	.0197	65 9 15.4	19.066	.106	19.8	42 51	65 125	
91	8.3	1 12 32.13	+2.2734	−.0201	−62 30 19.8	+19.049	−.111	19.8	45 46 50	62 99	
92	8.7	12 36.16	2.2360	.0199	63 32 38.3	19.047	.110	19.9	47 48 49	63 107	
93	9.1	13 5.23	2.1951	.0193	64 28 32.9	19.034	.108	19.8	40 41 43	64 122	
94	9.1	14 4.28	2.2059	.0191	63 54 24.1	19.007	.110	19.8	42 44	64 124	
95	9.2	14 8.95	2.2717	.0194	62 3 9.1	19.005	.113	19.9	45 46 50 51	62 103	MZ 6939
96	8.8	1 14 33.16	+2.2703	−.0193	−61 58 17.4	+18.993	−.114	19.9	47 48 49	62 105	
97	7.4	14 55.59	2.1262	.0178	65 36 24.4	18.983	.107	19.8	40 41 43	63 127	Tuc. L 363
98	9.1	15 42.28	2.1419	.0177	65 1 29.8	18.961	.109	19.8	42 44	65 128	
99	9.3	17 42.80	2.2466	.0179	61 42 41.9	18.903	.117	19.9	46 50 51	61 93	
100	8.0	19 34.17	2.2273	.0171	61 43 18.7	18.849	.118	19.9	47 48 49	61 94	MZ 6947

(a) D *h* 3408. *p* 2ª ★ 9.5. o′28. (b) *s* 9ª ★ 9.0 o′8N. (c) *p* 8ª ★ 9.0 o′5S.

N°	M.	α 1925.0	Prec.	Var. Sec	δ 1925 0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
101	9.0	1h21m31s.58	+2s.1888	−s.0161	−62°13′37″.9	+18″.790	−″.119	19.8	40 41 43	62°115	
102	9.0	22 22.71	2.0935	.0146	64 21 5.2	18.764	.115	19.8	42 44	64 129	
103	6.7	22 29.72	2.0740	.0142	64 45 33.4	18.760	.114	19.9	45 46 50 51	65 130	F. Hydri 9 G
104	8.6	26 56.90	2.1568	.0140	61 36 32.4	18.619	.124	19.9	47 48 49 51	61 111	
105[a]	8.2	28 7.28	1.9724	.0104	65 30 13.7	18.581	.116	19.8	40 41 43	65 134	
106	8.9	1 28 20.91	+2.0847	−.0126	−63 2 21.2	+18.574	−.122	19.9	44 51	63 120	
107	7.4	28 44.64	1.9648	.0101	65 30 23.9	18.561	.116	19.8	40 41 43 45[1]	65 135	
108	7.5	28 57.73	2.1357	.0132	61 38 7.3	18.553	.126	19.9	47 48 49	61 115	
109	8.9	30 25.78	2.1061	.0124	62 0 21.8	18.504	.126	19.8	42 44	62 123	MZ 6960
110	9.0	30 35.43	2.0055	.0105	64 15 10.7	18.499	.120	19.9	46 50 51	64 133	
111	8.5	1 30 48.61	+1.9536	−.0093	−65 15 6.5	+18.492	−.118	19.9	47 48 49	65 137	
112	7.0	31 25.80	2.0598	.0114	62 51 36.7	18.471	.124	19.8	40 41 43	63 124	
113	8.7	31 26.39	2.1116	.0122	61 37 6.7	18.470	.127	19.8	45 46 51	61 117	
114	8.1	32 25.84	1.9119	.0079	65 40 55.3	18.436	.117	19.8	42 44	65 139	Hydri G 1558
115	8.7	33 17.51	1.9020	.0074	65 40 30.8	18.407	.117	19.8	45 46 51	65 140	
116	8.9	1 34 8.21	+1.9078	−.0074	−65 23 2.3	+18.377	−.119	19.9	47 48 49	65 141	
117	8.7	34 36.35	2.0506	.0104	62 19 4.3	18.361	.128	19.8	40 41 43	62 127	
118	8.5	37 25.49	1.8932	.0063	64 57 3.0	18.261	.121	19.8	42 44	65 143	Hydri G 1647
119	8.7	38 58.80	2.0037	.0085	62 22 23.7	18.204	.130	19.8	45 46 51	62 132	MZ 6971
120	8.9	39 27.79	1.9368	.0070	63 40 23.9	18.186	.126	19.9	47 48	63 127	
121	8.5	1 40 36.62	+2.0159	−.0084	−61 44 22.0	+18.144	−.133	19.8	40 41 43	61 133	
122	8.8	40 37.38	1.8382	.0042	65 17 10.9	18.144	.122	19.8	42 44	65 145	
123	9.5	43 41.51	1.9166	.0057	63 11 9.3	18.028	.130	19.8	45 46 51	63 130	
124	8.9	43 49.02	1.7736	.0017	65 45 33.1	18.023	.121	19.9	47 48 49	66 111	
125	8.0	44 11.49	1.9797	.0070	61 45 54.1	18.009	.134	19.8	40 41 43	62 139	MZ 6978
126	9.1	1 44 35.43	+1.9457	−.0062	−62 24 22.6	+17.993	−.133	19.8	42 44	62 141	
127	8.5	46 12.61	1.8072	.0024	64 43 32.2	17.930	.125	19.9	45 46 50 51	64 138	
128	9.0	46 39.77	1.9154	.0051	62 36 5.7	17.913	.133	19.9	47 48 49	62 145	
129	8.5	46 54.69	1.8462	.0034	63 53 21.3	17.903	.129	19.8	40 41 43	64 139	
130	8.7	47 23.29	1.8483	.0034	63 45 23.5	17.884	.129	19.8	42 44	64 140	
131	8.1	1 47 33.31	+1.7905	−.0017	−64 45 26.2	+17.878	−.126	19.9	45 46 50 51	65 152	
132	7.8	48 5.52	1.8637	.0036	63 19 45.3	17.856	.131	19.9	47 48 49	63 132	
133	8.5	48 12.96	1.8692	.0038	63 11 55.7	17.851	.131	19.8	42 44	63 133	
134	9.0	48 13.71	1.9076	.0047	62 26 31.9	17.851	.134	19.8	40 41 43	62 146	
135	8.9	48 55.57	1.8374	.0029	63 39 28.3	17.823	.131	19.9	45 46 50 51	63 135	
136	9.0	1 50 44.99	+1.9021	−.0042	−62 3 8.1	+17.749	−.136	19.9	47 48 49	62 150	
137	9.2	50 52.49	1.7239	+.0008	65 15 12.7	17.744	.124	19.8	40 41 43	65 155	
138	8.6	53 12.71	1.8047	−.0014	63 26 39.7	17.648	.132	19.8	42 44	63 137	
139	6.8	55 51.02	1.6332	+.0043	65 47 21.4	17.538	.123	19.9	45 46 50 51	66 123	
140	3.5	56 24.19	1.8535	−.0022	61 56 4.7	17.514	.139	19.9	47 48 49	62 162	F. α Hydri
141	7.9	1 57 33.05	+1.6123	+.0051	−65 48 46.3	+17.465	−.122	19.8	40 41 43	66 124	
142	8.8	57 40.38	1.6550	.0037	65 9 3.2	17.460	.125	19.8	42 44	65 158	
143	8.0	58 16.95	1.7710	.0002	63 7 31.9	17.434	.135	19.9	45 46 50 51	63 143	DA 3479
144	8.1	59 0.21	1.6192	.0050	65 28 14.5	17.402	.124	19.9	47 48 49	65 160	
145	9.3	59 20.05	1.6100	.0053	65 33 10.4	17.388	.124	19.8	40 41 43 51	65 161	
146	9.1	1 59 33.18	+1.6254	+.0048	−65 17 14.3	+17.379	−.125	19.8	42 44	65 162	
147	7.3	59 41.45	1.7065	.0022	63 59 5.0	17.373	.131	19.8	45 46 50	64 148	
148	8.9	59 51.20	1.5902	.0061	65 45 27.3	17.365	.123	19.9	47 48 49	65 163	
149	8.4	59 59.07	1.7638	.0006	62 57 16.4	17.360	.136	19.8	40 41 43	63 144	
150	8.6	2 1 2.44	1.6545	.0040	64 35 40.7	17.313	.129	19.8	44 46 52	64 151	

([a]) s 36 ★ 7.7 0′2S. ([1]) 46 y 50.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
151	9.2	2h 1m25s.78	+1s.5644	+s.0071	−65°52'24".1	+17".296	−".122	19.8	40 41 43 45	66°128	
152	9.0	2 21.47	1.7999	−.0002	61 52 44.0	17.255	.141	19.9	47 48 49 51	62 170	MZ 7003
153	7.3	2 35.33	1.5777	+.0067	65 29 51.2	17.245	.124	20.3	55 57 133	65 165	Dh 3482, L 642
154	9.0	6 10.73	1.5489	+.0079	65 20 57.7	17.082	.125	21.0	133 134 139 141(1)	65 167	
155	9.2	6 34.51	1.7653	+.0012	61 47 29.6	17.064	.142	21.0	134 139 141 Mg(2)	62 177	
156	9.1	2 7 19.46	+1.7415	+.0018	−62 5 41.5	+17.030	−.141	19.8	44 46 52	62 178	
157	8.0	7 44.89	1.7074	.0028	62 37 12.3	17.010	.139	19.8	40 41 43 45	62 179	
158	7.9	8 5.62	1.5727	.0071	64 42 31.1	16.994	.128	19.9	47 48 49 51	64 156	Dh 3486
159a	8.2	10 16.00	1.7193	.0027	62 0 17.0	16.893	.142	20.3	55 57 133	62 184	Dh 3488, MZ 7017
160	8.4	12 15.84	1.5678	.0074	64 8 43.4	16.798	.132	20.9	132 135 136 139(3)	64 159	
161	8.2	2 14 45.89	+1.5698	+.0072	−63 44 25.4	+16.678	−.134	21.0	135 136 139 140(4)	63 151	
162	8.7	15 20.86	1.6844	.0040	61 48 13.1	16.649	.144	19.8	44 46 52	62 188	
163	8.5	15 39.34	1.6037	.0064	63 5 3.5	16.634	.138	19.8	40 41 43	63 152	
164	8.8	16 22.82	1.5638	.0076	63 35 29.7	16.599	.134	19.9	47 48 49 51	63 153	
165	8.0	17 20.34	1.6376	.0054	62 17 8.7	16.552	.142	19.9	55 57 133	62 191	
166	9.4	2 17 54.67	+1.5548	+.0079	−63 30 12.5	+16.524	−.135	21.0	134 137 141	63 155	
167	8.7	17 54.74	1.5289	.0088	63 53 20.2	16.524	.133	20.9	132 135 140	64 161	
168	8.5	18 29.65	1.6081	.0063	62 35 27.9	16.495	.140	19.8	44 46 52	62 195	
169	9.0	18 40.23	1.4535	.0114	64 50 50.3	16.486	.127	19.8	40 41 43 45	65 172	
170	8.1	18 42.18	1.5873	.0069	62 53 20.6	16.484	.139	19.9	48 49	63 156	Lac 730
171	9.0	2 19 29.30	+1.6209	+.0060	−62 14 16.6	+16.445	−.142	20.3	55 57 133	62 198	
172	8.6	19 53.35	1.5150	.0093	63 48 32.9	16.425	.134	20.9	132 134 140	64 162	
173	9.0	20 39.66	1.6411	.0055	61 43 51.4	16.386	.144	21.0	135 137 141	61 204	
174	9.4	21 28.07	1.5336	.0087	63 18 40.9	16.345	.136	19.8	44 46 52	63 157	
175	8.5	21 56.24	1.6068	.0065	62 6 28.9	16.322	.143	19.9	47 48 49	62 199	
176	9.3	2 21 56.28	+1.5634	+.0078	−62 47 34.9	+16.322	−.139	19.8	40 41 43 45	63 158	
177	8.4	22 11.81	1.3535	.0151	65 40 31.2	16.308	.121	20.3	55 57 133	65 174	
178	9.0	22 36.31	1.3833	.0140	65 14 35.3	16.288	.124	20.9	132 134 140	65 175	
179	8.2	22 36.81	1.4705	.0108	64 3 59.7	16.287	.132	21.0	135 139 141	64 166	
180	8.9	22 40.24	1.4502	.0115	64 20 30.6	16.284	.130	19.8	44 46 52	64 167	
181	8.3	2 22 47.07	+1.6182	+.0062	−61 47 58.0	+16.278	−.144	19.8	40 41 43 45	62 202	
182	9.1	23 53.56	1.4957	.0100	63 31 53.9	16.222	.133	19.9	47 48 49	63 159	Dh 3501
183	9.3	24 9.71	1.4624	.0111	63 59 3.2	16.208	.132	20.3	55 57 133	64 170	
184	8.2	24 18.66	1.5108	.0095	63 15 13.8	16.200	.137	20.9	132 134 140	63 160	
185	8.2	25 49.81	1.5585	.0080	62 19 11.3	16.122	.142	21.0	135 139 141	62 206	MZ 7049
186	9.1	2 25 59.53	+1.3589	+.0148	−65 6 47.0	+16.113	−.125	19.8	44 46 52	65 178	
187	9.3	26 15.42	1.3125	.0165	65 39 31.4	16.099	.121	19.8	40 41 43 45	65 179	
188	6.7	26 19.02	1.3925	.0135	64 38 4.2	16.096	.128	19.9	47 48 49	64 174	
189	8.5	26 19.02	1.5970	.0069	61 38 24.1	16.096	.145	20.3	55 57 133	61 209	
190	8.4	26 30.95	1.2901	.0174	65 53 48.9	16.086	.119	20.9	132 134 140	66 140	Hor. G 2624
191	9.2	2 28 29.71	+1.4754	+.0106	−63 12 9.7	+15.982	−.136	21.0	135 139 141	63 162	
192	8.9	28 38.90	1.3998	.0132	64 14 6.0	15.974	.130	19.8	44 46 52	64 176	
193b	8.3	29 3.84	1.4892	.0102	62 55 35.9	15.952	.138	19 8	40 41 43 45	63 163	
194	7.6	29 8.38	1.3844	.0137	64 22 38.7	15.948	.129	19.9	47 48 49	64 178	
195	9.1	29 30.84	1.4687	.0109	63 9 54.3	15.928	.137	20.3	55 57 133	63 165	
196	9.3	2 29 30.84	+1.4599	+.0111	−63 17 26.0	+15.928	−.136	20.9	132 134 140	63 166	
197	8.8	29 48.79	1.4130	.0127	63 54 23.6	15.912	.132	21.0	135 139 141	64 179	
198	9.0	30 1.98	1.3808	.0138	64 18 40.1	15.900	.129	20.4	46 52 136 140	64 181	
199	8.5	30 23.73	1.4486	.0115	63 20 8.8	15.881	.135	19.8	40 41 43 45	63 167	
200	9.1	30 50.92	1.4073	.0129	63 51 4.6	15.857	.132	19.9	47 48 49	64 183	

(a) Ds 2s al S. (b) s 9s ★ 9.1 1'S. (1) MgMg. (2) Mg. (3) 141, 140. (4) 141.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
201	9.2	2h31m 2s49	+1s3851	+s0137	−64° 7′31″4	+15″847	−″130	20.3	55 57 133	64°185	
202a	6.8	31 42.98	1.4660	.0109	62 54 56.7	15.810	.138	20.9	132 134 140	63 169	
203	9.0	31 50.40	1.4820	.0104	62 39 57.8	15.804	.139	21.0	135 139 141	62 209	
204	8.5	32 22.55	1.3186	.0160	64 49 9.9	15.775	.125	19.8	44 46 52	65 186	
205	9.2	32 28.37	1.2249	.0196	65 56 15.2	15.770	.117	19.8	40 41 43 45	66 150	
206	8.3	2 33 15.49	+1.4653	+.0110	−62 43 36.2	+15.727	−.139	19.9	47 48 49	62 210	
207	9.1	33 18.47	1.4237	.0123	63 18 40.1	15.724	.135	20.3	55 57 133	63 171	
208	9.1	33 33.82	1.4686	.0108	62 38 21.8	15.711	.139	20.9	132 136 140	62 211	
209	8.8	34 4.88	1.5105	.0096	61 56 52.5	15.682	.144	21.0	135 138 139 141	62 212	
210	9.3	34 34.19	1.3760	.0138	63 48 15.7	15.656	.132	19.8	44 46 52	64 188	D
211	8.6	2 36 39.16	+1.5047	+.0097	−61 42 11.7	+15.541	−.145	19.8	40 41 43 45	61 216	
212	9.0	37 33.72	1.1980	.0202	65 39 15.1	15.491	.117	19.9	47 48 49	65 191	
213	8.2	37 44.61	1.4855	.0103	61 51 17.3	15.481	.144	20.3	55 57 133	62 215	MZ 7069
214	6.7	37 54.61	1.2827	.0170	64 36 13.9	15.472	.125	20.9	132 136 140	64 192	
215	8.2	37 58.85	1.4029	.0129	63 1 3.3	15.468	.137	21.0	135 138 139 141	63 175	
216	8.4	2 38 12.01	+1.4395	+.0117	−62 28 28.3	+15.456	−.140	19.9	44 46 52 56	62 216	
217	9.0	38 26.66	1.4558	.0112	62 12 24.9	15.442	.142	19.8	40 41 45 56	62 217	
218	9.3	39 37.18	1.2216	.0192	65 8 42.5	15.376	.121	19.9	47 48 49	65 194	
219	9.1	40 9.08	1.4038	.0128	62 44 25.6	15.346	.138	20.3	55 57 133	62 218	
220	7.9	41 53.85	1.3524	.0144	63 14 6.7	15.248	.134	20.9	132 136 140	63 179	
221	8.8	2 42 4.51	+1.3074	+.0159	−63 48 17.7	+15.237	−.130	21.0	135 138 139 141	64 195	
222	8.9	43 10.79	1.3571	.0142	63 1 19.9	15.175	.136	19.8	44 46 52	63 181	
223	9.2	43 22.46	1.3855	.0133	62 36 37.8	15.163	.138	19.8	40 41 43 45	62 223	Horologii
224	6.3	43 51.00	1.2746	.0169	64 1 8.2	15.136	.128	19.9	47 48 49	64 196	638, L 896, 20 G.
225	7.5	44 7.91	1.3476	.0144	63 2 16.6	15.120	.135	20.3	55 57 133	63 183	
226	8.9	2 44 26.02	+1.2126	+.0191	−64 42 37.9	+15.103	−.122	20.9	132 136 140	64 197	
227	8.9	46 8.64	1.1996	.0195	64 40 36.4	15.004	.122	20.9	135 137 138 139	64 200	
228	8.2	46 23.08	1.3103	.0156	63 16 24.9	14.990	.133	19.8	44 46 52	63 185	
229	9.0	46 30.47	1.3008	.0159	63 23 1.2	14.983	.132	19.8	40 41 45 56	63 186	
230	8.9	46 32.39	1.2869	.0164	63 33 31.0	14.981	.131	19.9	47 48 49	63 187	
231	5.3	2 47 21.37	+1.3139	+.0154	−63 7 3.3	+14.933	−.134	20.3	55 57 133	63 188	652 ₂ Horol.
232	8.8	47 30.33	1.1103	.0227	65 32 57.4	14.925	.114	20.9	132 136 140	65 198	
233b	9.2	48 17.47	1.3510	.0142	62 30 56.4	14.879	.138	20.6	42 52 135 137(1)	62 233	DM 3538
234c	8.8	48 30.83	1.3492	.0142	62 30 55.4	14.865	.138	20.5	44 46 52 135(2)	62 234	
235	8.5	48 35.58	1.2066	.0190	64 19 40.8	14.861	.124	19.8	40 41 43 45	64 201	
236	9.1	2 48 41.13	+1.3302	+.0148	−62 45 5.1	+14.855	−.136	19.9	47 48 49	62 235	
237	9.1	49 34.13	1.3385	.0145	62 32 24.5	14.803	.138	20.3	55 57 133	62 236	
238	9.0	49 40.17	1.1938	.0194	64 21 55.9	14.798	.123	20.9	132 136 140	64 202	
239	8.6	49 43.09	1.2902	.0160	63 9 47.0	14.795	.133	20.9	135 137 139	63 193	
240	8.8	49 58.68	1.3232	.0150	62 42 1.7	14.779	.136	19.8	44 46 52	62 237	
241	7.3	2 50 2.95	+1.2332	+.0179	−63 50 49.9	+14.775	−.128	19.8	40 41 43 45	64 203	
242	8.7	50 7.40	1.3784	.0133	61 55 40.1	14.771	.142	19.9	47 48 49	62 238	MZ 7094
243	8.3	50 34.74	1.1888	.0195	64 19 37.8	14.744	.123	20.7	57 133 138 141	64 204	
244	6.3	50 41.94	1.2778	.0164	63 12 57.5	14.737	.132	20.9	132 136 140	63 197	
245	7.0	51 35.07	1.0519	.0245	65 45 37.3	14.684	.110	20.9	135 137 139	65 201	
246d	9.0	2 52 7.14	+1.1479	+.0208	−64 38 40.6	+14.652	−.120	19.8	44 46 52	64 205	D Hor. G 3165
247	7.6	52 36.94	1.0936	.0227	65 12 19.9	14.623	.115	19.8	40 41 43 45	65 203	
248	8.5	52 48.52	1.2526	.0171	63 18 33.5	14.611	.131	19.9	47 48 49	63 198	D Innes 148
249	6.9	52 55.13	1.1325	.0212	64 44 20.6	14.604	.119	20.7	55 133 138 141	64 206	Horol. L 957
250	7.4	53 17.88	1.1664	.0200	64 18 26.5	14.582	.123	20.9	132 136 140	64 207	

(a) p 5ᵐ ★ 9.4 2′N. (b) D, s 14ᵐ ★ 8.8 = δ. (c) p 14 ★ 9.2 = δ. (d) DM 3542, s 2ᵐ ★ 9.4 0′28. (1) 138, 139.
(2) 137, 138, 139.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
251	8.2	2h53 26s.97	+1s.1618	+s.0202	−64°20′45″.9	+14″.573	−″.122	20.9	135 139	64°208	
252	8.3	54 0.80	1.3591	.0137	61 45 54.4	14.539	.143	19.8	44 46 52	61 235	
253	8.4	54 45.55	1.1680	.0198	64 8 16.1	14.494	.124	19.8	40 41 43 45	64 210	
254	8.6	55 17.34	1.3237	.0147	62 6 45.5	14.462	.139	19.9	47 48 49	62 243	
255	8.8	55 25.99	1.1471	.0205	64 18 49.6	14.453	.122	20.3	55 57 133	64 212	
256	7.8	2 55 28.58	+1.2281	+.0177	−63 20 7.2	+14.450	−.130	20.9	132 136 140	63 201	
257	8.3	55 39.53	1.1585	.0201	64 9 23.9	14.439	.123	20.9	135 137 138 139	64 213	
258	8.8	56 12.31	1.1178	.0214	64 34 22.3	14.406	.119	19.8	44 46 52	64 214	
259	9.4	56 18.50	1.0580	.0237	65 13 30.1	14.400	.113	19.8	40 41 45	65 206	
260	8.9	56 45.84	1.3135	.0150	62 5 33.3	14.372	.139	19.9	47 48 49	62 245	
261[a]	9.2	2 56 52.69	+1.2508	+.0169	−62 54 7.6	+14.365	−.133	20.3	55 57 133	63 203	
262[b]	8.8	57 18.55	1.2572	.0167	62 46 31.5	14.339	.134	20.9	132 136 140	62 246	
263	5.3	57 22.23	1.1254	.0211	64 22 10.0	14.335	.121	20.9	135 137 139	64 215	F. β Horol.
264[c]	8.4	57 23.56	1.2580	.0166	62 45 22.0	14.334	.134	19.8	44 46 52	62 247	
265	9.1	57 36.16	1.0189	.0250	65 31 0.9	14.321	.110	19.8	40 41 45	65 207	
266	7.8	2 58 14.57	+1.1561	+.0199	−63 55 31.1	+14.281	−.124	19.9	47 48 49	64 216	
267	8.6	59 34.54	1.0122	.0250	65 23 52.1	14.199	.110	20.3	55 57 133	65 208	
268	8.5	59 58.92	1.1527	.0199	63 47 28.5	14.174	.125	20.9	132 136 140	63 204	
269	8.1	3 1 5.77	1.1114	.0212	64 9 46.1	14.105	.121	20.9	135 137 139	64 220	
270	9.0	1 45.19	1.1802	.0188	63 17 10.1	14.064	.128	19.9	52 56	63 206	
271	8.6	3 1 57.58	+1.1468	+.0199	−63 39 58.6	+14.052	−.125	19.8	40 45	63 207	
272	8.6	2 24.54	0.9455	.0271	65 49 14.5	14.024	.104	20.4	48 49 138 141	66 169	
273	8.4	2 25.59	1.0137	.0245	65 6 51.8	14.022	.111	20.7	57 133 138 141	65 210	
274	9.1	2 39.12	1.2904	.0153	61 47 25.3	14.008	.140	21.0	137 139	61 246	
275	9.0	2 39.15	1.0562	.0230	64 38 2.5	14.008	.116	20.9	132 136 140	64 221	
276	8.6	3 2 58.90	+0.9763	+.0259	−65 27 14.9	+13.988	−.108	19.9	52 56	65 211	
277	9.0	3 7.51	1.0349	.0237	64 49 17.2	13.979	.114	19.8	40 45	65 212	
278	9.1	3 20.92	1.0272	.0239	64 53 3.3	13.965	.113	19.9	48 49	65 213	
279	7.9	3 36.91	0.9686	.0261	65 28 32.3	13.948	.107	20.3	55 57 133	65 215	
280	8.9	3 58.53	1.2434	.0166	62 16 27.8	13.925	.136	20.9	132 136 140	62 253	
281[d]	9.2	3 4 11.16	+1.2355	+.0169	−62 21 17.7	+13.912	−.135	20.9	135 137 138 139	62 254	
282	9.2	4 39.53	1.1671	.0190	63 9 42.1	13.882	.128	19.9	52 56	63 210	
283	8.8	5 34.55	1.0878	.0215	64 0 14.9	13.824	.120	19.8	40 45	64 225	
284	8.7	5 53.06	0.9327	.0275	65 44 9.9	13.805	.103	20.3	55 57 133	65 218	
285	8.4	5 53.58	1.2133	.0174	62 28 13.8	13.804	.134	19.9	48 49	62 256	
286	9.1	3 5 59.07	+1.0555	+.0226	−64 19 46.7	+13.798	−.117	20.9	132 136 140	64 226	
287	7.1	6 4.46	1.2482	.0163	62 0 16.2	13.793	.138	20.9	135 137 138 139	62 257	MZ 8247
288	7.4	6 17.40	1.2361	.0167	62 8 27.7	13.779	.136	19.9	52 56	62 258	
289	8.9	7 13.29	1.0388	.0230	64 23 58.6	13.720	.116	19.8	40 45	64 227	
290	6.9	7 33.83	0.9940	.0245	64 51 6.7	13.698	.112	19.9	48 49	65 219	
291	8.0	3 8 10.58	+0.9614	+.0256	−65 8 17.5	+13.659	−.108	20.3	55 57 133	65 221	
292	8.4	8 40.32	1.1785	.0182	62 38 18.2	13.627	.132	20.9	132 136 140	62 260	
293	6.8	8 43.77	1.0447	.0226	64 11 49.5	13.623	.117	20.9	135 137 138 139	64 229	Dh 3559
294	8.1	8 59.23	1.1009	.0207	63 32 11.1	13.607	.123	19.9	52 56	63 212	
295	8.3	9 27.18	0.9399	.0263	65 14 49.8	13.577	.106	19.8	40 45	65 223	
296	8.7	3 10 46.45	+1.1682	+.0184	−62 34 3.5	+13.491	−.132	21.3	49 186 187	62 262	
297[e]	8.7	10 51.09	0.9889	.0243	64 36 46.4	13.486	.112	20.3	55 57 133	64 234	Dh 3562
298	9.4	11 13.50	0.9106	.0270	65 23 27.1	13.462	.104	20.9	132 136 140	65 226	
299	8.9	11 30.83	0.8832	.0280	65 38 18.4	13.444	.101	20.9	135 137 139	65 227	
300	9.3	12 28.91	0.9247	.0264	65 8 25.6	13.381	.106	20.5	52 142	65 228	

(a) *s* 6ᵉ ★ 8.0 0′8N. (b) *p* 16ᵉ ★ 9.0 1′S. (c) *s* 25ᵉ ★ 9.5 0′3S. (d) *s* 5ᵉ ★ 9.5 1′2N. (e) *p* 3ᵉ ★ 9.1 0′5N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
301	8.9	3h13m35ˢ.38	+1ˢ.2201	+ˢ.0167	−61°39′ 8″.9	+13″.308	−″.138	19.8	40 45	61°250	
302[a]	6.7	13 59.03	0.9532	.0251	64 43 7.3	13.283	.110	21.3	49 186 187	64 235	DA 12
303	8.9	14 27.23	1.0821	.0207	63 15 37.9	13.253	.124	20.3	55 57 133	63 214	D Innes 388
304[b]	8.6	14 56.29	1.0526	.0216	63 33 19.8	13.221	.121	20.9	132 136 140	63 215	
305	8.8	15 30.76	0.9661	.0244	64 27 8.9	13.183	.112	20.9	135 137 138 139	64 236	
306	7.9	3 15 40.92	+1.0423	+.0218	−63 36 23.7	+13.172	−.120	19.9	52 56	63 216	[Reticuli 2
307	6.2	16 7.24	1.1036	.0199	62 51 46.4	13.143	.127	20.2	40 45 139	63 217	762 L 10743 G
308	8.3	16 21.95	1.0599	.0212	63 20 54.7	13.127	.122	21.3	49 186 187	63 219	D Innes 150
309	9.1	16 30.72	0.9928	.0234	64 4 52.1	13.117	.115	20.9	132 136 140	64 237	
310	5.6	16 33.91	1.1061	.0198	62 47 35.4	13.113	.127	20.3	55 57 133	62 265	L 10774 G Ret. 3
311	9.0	3 17 17.67	+1.0949	+.0200	−62 51 44.1	+13.065	−.126	20.9	135 137 138 139	63 220	
312	8.9	18 46.85	1.0671	.0207	63 3 26.7	12.966	.124	20.6	52 138 141	63 221	
313	8.5	19 46.63	1.1204	.0190	62 20 32.6	12.900	.130	19.8	40 45	62 268	MZ 8258
314	8.2	19 56.44	1.1670	.0176	61 45 17.1	12.889	.136	21.3	49 186 187	61 253	
315	8.9	20 53.30	1.0612	.0207	62 56 44.4	12.825	.124	20.3	55 57 133	63 223	
316	8.7	3 21 1.97	+0.9817	+.0231	−63 49 26.9	+12.815	−.115	20.9	132 136 140	64 239	
317	8.7	21 47.19	1.0824	.0199	62 37 25.9	12.765	.127	20.9	135 137 138 139	62 270	
318	8.6	21 53.16	0.7763	.0301	65 49 18.6	12.758	.092	19.9	52 56	66 190	
319	8.8	23 7.33	1.1177	.0187	62 5 22.7	12.674	.131	19.8	40 45	62 271	
320	8.7	23 26.26	1.0113	.0219	63 18 4.0	12.653	.120	21.3	49 186 187	63 224	
321	8.0	3 23 35.62	+1.0521	+.0206	−62 49 33.1	+12.642	−.124	20.3	55 57 133	63 225	
322	8.4	24 6.74	0.8167	.0283	65 16 2.5	12.607	.098	20.9	132 136 140	65 237	
323	8.4	25 26.09	1.0161	.0215	63 5 6.3	12.517	.121	20.9	135 137 139	63 230	
324	8.2	25 42.69	0.9532	.0234	63 45 11.7	12.498	.114	19.8	40 52 56	63 231	
325[c]	9.0	25 45.72	0.9518	.0234	63 45 52.6	12.495	.114	20.6	45 138 141	63 232	
326	8.7	3 26 17.57	+0.8683	+.0261	−64 35 25.5	+12.458	−.104	20.3	55 57 133	64 244	
327	8.6	26 19.53	0.8361	.0272	64 54 29.9	12.456	.101	21.3	49 186 187	65 241	
328	8.5	26 51.41	0.8730	.0258	64 30 0.7	12.420	.105	20.9	132 136 140	64 245	
329	8.5	27 50.84	0.8932	.0250	64 13 5.6	12.352	.108	20.9	135 137 139	64 247	
330	5.3	28 3.22	0.9869	.0220	63 12 7.6	12.337	.118	20.6	52 56 138 141	63 234	F. z Reticuli
331	8.7	3 28 25.63	+0.9241	+.0239	−63 51 4.6	+12.312	−.111	19.8	40 45	64 248	
332	9.3	29 0.05	0.7273	.0304	65 44 30.7	12.272	.089	21.3	49 186 187	65 244	
333	8.4	29 19.96	0.8666	.0256	64 22 34.3	12.249	.103	20.3	55 57 133	64 249	
334	7.1	29 32.07	1.0592	.0197	62 15 45.3	12.235	.127	20.9	132 136 140	62 276	
335	8.4	29 43.90	0.7754	.0286	65 14 27.2	12.221	.095	20.9	135 137 139	65 246	
336	8.5	3 29 52.46	+0.7560	+.0293	−65 24 45.5	+12.211	−.092	19.9	52 56	65 247	
337	8.5	30 6.45	0.8075	.0274	64 54 18.5	12.195	.098	19.8	40 45	65 248	
338	8.6	30 37.48	0.9006	.0243	63 55 47.9	12.159	.109	21.3	49 186 187	64 250	
339	8.4	31 7.50	0.6934	.0313	65 53 51.0	12.124	.085	20.7	57 133 138 141	66 197	
340	8.8	31 16.55	0.6860	.0315	65 57 9.6	12.114	.085	20.9	132 136 140	66 198	
341	7.9	3 31 20.24	+0.7173	+.0304	−65 39 57.5	+12.110	−.088	20.9	135 137 138	65 250	
342	7.5	32 19.19	0.9851	.0216	62 53 31.5	12.041	.120	20.4	52 56 131 141	63 236	
343	8.0	32 30.62	1.0258	.0203	62 25 1.4	12.028	.125	19.8	40 45	62 279	MZ 8270
344	8.5	32 47.22	0.9702	.0219	63 1 16.7	12.008	.118	21.3	49 186 187	63 237	
345	6.7	33 23.39	0.9855	.0214	62 48 23.2	11.966	.120	20.3	55 57 133	62 280	
346	9.0	3 33 26.63	+0.9784	+.0216	−62 52 52.2	+11.962	−.119	20.9	134 136 140	63 239	
347[d]	9.0	33 29.24	0.9938	.0211	62 42 24.9	11.959	.121	20.9	135 137 139	62 281	
348	8.3	33 34.35	0.7759	.0279	64 57 32.0	11.953	.095	20.6	56 138 141	65 251	
349	9.0	34 15.73	0.9886	.0212	62 42 19.1	11.905	.121	20.6	49 137 139	62 283	
350	8.9	34 18.52	0.8759	.0245	63 54 46.8	11.902	.107	19.8	40 45	64 254	

(a) *s* 4ᵉ ★ 9.1 0′1S. (b) *s* 6ᵉ 1′S. (c) *p* 5ᵉ ★ 8.3 0′5N. (d) *s* 46ᵉ ★ 9.0 0′1S.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
351	7.3	3h34m39s.41	+1s.0653	+s.0190	−61°47′25″.4	+11″.877	−″.130	20.3	55 57 133	61°269	
352	8.3	34 43.79	0.7288	.0292	65 19 14.9	11.872	.091	20.9	132 134 136 140	65 253	
353	8.7	36 1.06	0.9475	.0222	63 1 44.8	11.781	.117	20.9	135 137 138 139	63 241	
354[a]	9.1	37 11.40	0.9213	.0228	63 13 38.1	11.698	.114	19.9	52 56	63 246	
355	9.0	37 34.86	1.0317	.0196	61 57 56.7	11.670	.127	19.8	40 45	62 288	
356	8.7	3 38 59.13	+0.8066	+.0259	−64 16 48.5	+11.570	−.101	21.3	49 186 187	64 258	
357	8.6	39 35.02	0.6704	.0302	65 31 25.1	11.527	.085	20.3	55 57 133	65 259	
358	8.7	40 4.54	0.8146	.0255	64 7 35.2	11.492	.102	20.9	132 134 136 140	64 261	
359	8.0	41 35.15	0.7730	.0265	64 25 57.8	11.384	.097	20.9	135 137 138 139	64 262	
360	7.5	41 51.76	1.0238	.0193	61 44 41.9	11.363	.127	19.9	52 56	61 275	CGA 4173
361	8.9	3 42 2.51	+0.8450	+.0242	−63 41 3.9	+11.351	−.106	19.8	40 45	63 253	
362	7.7	42 14.39	1.0114	.0196	61 51 40.9	11.336	.126	21.3	49 186 187	62 292	
363	4.0	43 14.98	0.6968	.0286	65 2 34.5	11.263	.088	20.9	133 141	65 263	F. β Reticuli
364	7.8	44 7.09	0.8037	.0251	63 57 39.9	11.200	.102	20.9	132 134 136 140	64 269	
365[b]	8.5	45 10.39	0.7611	.0262	64 18 35.7	11.124	.097	20.6	40 135 137 139	64 270	Dh 3600
366	9.0	3 45 10.99	+0.8525	+.0235	−63 23 41.9	+11.123	−.108	19.9	52 56	63 259	
367[c]	9.3	45 11.61	0.7616	.0262	64 18 13.9	11.122	.097	20.4	45 141	64 271	
368	8.8	46 18.05	0.7269	.0270	64 33 53.8	11.042	.093	21.3	49 186 187	64 272	
369	8.3	47 5.92	0.6674	.0287	65 4 1.9	10.983	.086	20.9	133 138 141	65 272	
370	9.2	49 31.94	0.7336	.0262	64 17 47.6	10.805	.094	20.9	132 134 136 140	64 277	
371	8.9	3 49 41.31	+0.8246	+.0235	−63 23 15.5	+10.793	−.106	20.9	135 137 138 139	63 267	
372	9.0	50 0.69	0.7604	.0253	64 0 27.7	10.769	.098	19.9	52 56	64 279	
373	8.8	50 30.24	0.5942	.0303	65 30 41.6	10.733	.078	19.8	40 45	65 279	
374	8.8	53 41.26	0.9028	.0209	62 18 34.7	10.497	.116	21.3	49 186 187	62 302	
375	8.7	54 34.85	0.5675	.0302	65 30 11.7	10.430	.075	20.7	57 133 138 141	65 291	
376	7.9	3 55 3.50	+0.5758	+.0298	−65 24 17.2	+10.394	−.076	20.9	132 134 136 140	65 294	
377	6.9	55 5.21	0.7619	.0244	63 40 49.9	10.392	.099	20.9	135 137 139	63 275	
378	8.9	55 33.88	0.8767	.0213	62 28 25.2	10.356	.114	19.9	52 56	62 307	
379	8.6	56 52.87	0.6934	.0260	64 14 5.4	10.258	.091	19.8	40 45	64 287	
380	6.8	58 51.55	0.8923	.0204	62 6 16.4	10.109	.117	21.3	49 186 187	62 310	Lac 1349
381	8.4	3 59 13.02	+0.7941	+.0228	−63 6 46.5	+10.082	−.104	20.3	55 57 133	63 285	
382[d]	9.1	59 42.11	0.7609	.0236	63 25 4.0	10.045	.100	20.9	132 134 136 140	63 286	
383	5.5	59 48.40	0.8624	.0210	62 22 6.8	10.037	.113	20.9	135 137 138 139	62 312	γ Reticuli
384	8.1	4 0 1.77	0.6312	.0271	64 37 52.1	10.020	.084	19.9	49 52 57	64 294	
385	8.4	0 32.29	0.8773	.0205	62 9 56.2	9.982	.115	19.9	53 54 56	62 315	
386	9.0	4 0 48.55	+0.7033	+.0249	−63 54 56.2	+ 9.961	−.093	20.7	55 136 139 140	64 295	
387	8.7	1 4.50	0.6085	.0275	64 46 39.3	9.941	.081	22.0	186 187 188	64 296	
388	8.9	1 47.37	0.8303	.0214	62 35 26.6	9.886	.109	21.0	132 133 142 144	62 319	
389	9.1	3 7.42	0.7516	.0232	63 18 54.8	9.785	.101	21.0	134 143 145	63 293	
390	9.0	3 53.61	0.7858	.0222	62 55 44.2	9.726	.104	21.6	135 186 187	63 294	
391	8.8	4 4 48.80	+0.6571	+.0253	−64 7 45.6	+ 9.656	−.088	19.9	53 54 56	64 302	
392	9.3	4 49.42	0.4428	.0314	65 59 26.4	9.655	.060	19.9	49 52 57	66 255	
393	6.6	6 32.06	0.6147	.0261	64 25 39.4	9.523	.083	20.7	55 136 139 140	64 305	L 1392, 24 G Ret.
394	8.7	6 52.75	0.7664	.0222	62 57 36.6	9.497	.102	21.6	138 186 187	63 299	
395	8.7	7 9.59	0.5693	.0272	64 48 4.8	9.475	.077	21.0	133 142 144	64 306	
396	8.0	4 7 35.50	+0.4523	+.0304	−65 46 24.9	+ 9.442	−.062	21.0	134 143 145	65 305	
397	8.8	7 57.20	0.7806	.0216	62 45 28.6	9.414	.104	21.6	135 186 187	62 324	
398	7.8	9 1.59	0.8672	.0194	61 47 26.7	9.331	.116	20.3	49 52 57 142	61 307	
399	8.9	9 45.22	0.4695	.0294	65 31 26.7	9.275	.064	19.9	53 54 56	65 309	
400	8.8	10 9.72	0.7090	.0230	63 21 10.3	9.243	.095	20.9	136 139 140	63 305	

(a) *s* ✱✱ al N y S. (b) *s* 2ª ✱ 9.0 0′2S. (c) *p* 2ª ✱ 8.5 0′2N. (d) *s* 8ª ✱ 9.7 = δ.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
401	8.4	4h10m59ˢ.63	+0ˢ.4536	+ˢ.0295	−65°35′43″.9	+ 9″.178	−″.062	21.7	138 187 188	65°312	
402	9.0	11 2.11	0.8577	.0193	61 47 3.5	9.175	.115	21.0	142 144	61 310	
403	9.1	11 30.19	0.8252	.0200	62 6 20.4	9.139	.110	21.0	134 143 145	62 329	
404	8.6	11 53.10	0.5825	.0258	64 26 41.0	9.109	.079	21.7	135 186 187	64 311	
405	8.7	12 30.62	0.4193	.0301	65 48 7.9	9.060	.058	19.9	49 52 57	65 317	
406	8.5	4 12 54.48	+0.8441	+.0194	−61 49 52.9	+ 9.029	−.113	19.9	53 54 56	61 314	
407	3.8	13 27.17	0.7615	.0211	62 39 41.4	8.987	.103	20.6	55 139 140	62 332	D F. α Ret.
408	8.1	13 44.60	0.4908	.0278	65 9 8.3	8.964	.068	21.7	138 187 188	65 320	
409	6.1	13 48.88	0.7873	.0205	62 22 48.9	8.958	.106	21.0	133 142 144	62 334	[Reticuli D L 1425, 26 G
410	8.0	15 56.63	0.5543	.0256	64 29 55.9	8.791	.076	21.0	134 143 145	64 317	
411	9.1	4 15 58.65	+0.4572	+.0281	−65 19 47.3	+ 8.789	−.063	21.7	146 186 187	65 322	
412	8.7	16 18.60	0.3961	.0296	65 48 44.3	8.763	.055	19.9	49 52 57	65 323	
413	8.7	16 26.38	0.6842	.0223	63 16 32.8	8.752	.093	19.9	53 54 56	63 314	
414[a]	6.4	16 49.55	0.6654	.0227	63 26 14.3	8.722	.091	20.7	55 136 139 140	63 316	D θ Reticuli
415	8.5	17 4.29	0.5939	.0243	64 5 26.4	8.703	.081	21.7	138 187 188	64 320	
416	8.5	4 17 13.67	+0.3810	+.0298	−65 53 27.6	+ 8.690	−.054	21.0	133 142 144	66 271	
417	8.9	17 21.18	0.7888	.0198	62 11 11.2	8.680	.107	21.0	134 143 145	62 336	
418	8.7	17 32.43	0.4697	.0273	65 9 9.7	8.665	.065	21.7	146 186 187	65 327	
419	8.3	18 12.13	0.7419	.0207	62 37 22.5	8.613	.101	19.9	49 52 57	62 337	
420	8.6	18 41.96	0.7562	.0203	62 27 14.7	8.574	.103	19.9	53 54 56	62 338	
421	8.9	4 18 52.28	+0.4467	+.0276	−65 17 4.7	+ 8.560	−.062	20.7	55 136 139 140	65 328	
422	8.1	19 28.47	0.6613	.0222	63 21 2.0	8.513	.091	21.7	138 187 188	63 320	
423	9.0	20 7.01	0.8106	.0189	61 49 24.3	8.462	.111	21.0	133 142 144	61 330	
424	8.4	20 24.90	0.7877	.0193	62 2 54.9	8.438	.107	21.0	134 143 145	62 342	
425	9.1	20 39.36	0.7625	.0198	62 17 47.4	8.419	.104	21.7	146 186 187	62 343	
426	6.1	4 21 4.13	+0.6308	+.0226	−63 33 52.4	+ 8.386	−.087	19.9	49 52 57	63 324	F. ζ Reticuli
427	8.7	21 25.81	0.7869	.0192	62 0 30.9	8.358	.107	19.9	53 54 56	62 345	
428	8.8	21 56.30	0.7170	.0205	62 41 37.5	8.317	.098	20.7	55 136 139 140	62 346	
429	8.9	22 8.70	0.3521	.0292	65 54 18.7	8.301	.050	21.0	133 142 144	66 280	
430	8.7	22 51.36	0.3325	.0295	66 1 40.7	8.244	.047	21.0	134 143 145	66 282	
431	8.9	4 23 5.78	+0.6310	+.0222	−63 28 12.2	+ 8.225	−.087	21.7	138 186 187	63 327	
432[b]	8.8	23 32.48	0.5309	.0244	64 21 34.4	8.189	.074	19.9	49 52 57	64 328	D h 3651
433	8.7	23 32.86	0.5220	.0246	64 26 12.2	8.189	.073	21.0	135 146	64 329	
434	8.6	24 11.94	0.7951	.0186	61 47 35.4	8.137	.109	19.9	53 54 56	61 336	
435	8.2	24 28.79	0.5380	.0240	64 15 21.0	8.114	.075	20.7	55 136 139 140	64 334	D h 3655
436	8.1	4 25 2.42	+0.3271	+.0290	−65 58 47.2	+ 8.070	−.047	21.7	138 187 188	66 285	
437	9.1	25 10.06	0.7372	.0195	62 20 36.9	8.059	.101	21.0	133 142 144	62 354	
438	8.4	25 21.99	0.6779	.0207	62 55 15.9	8.043	.094	21.0	134 143 145	63 330	
439	9.0	25 46.38	0.5388	.0237	64 11 35.8	8.011	.075	21.0	135 146	64 337	
440	8.4	25 54.21	0.3434	.0284	65 49 1.8	8.000	.049	19.9	49 52 57	65 339	
441	8.8	4 26 8.40	+0.7783	+.0185	−61 52 43.4	+ 7.981	−.107	19.9	53 54 56	61 339	
442	7.2	26 15.61	0.6693	.0207	62 57 55.9	7.972	.093	20.7	55 136 139 140	63 332	
443	9.0	26 29.45	0.5226	.0239	64 18 19.5	7.953	.073	21.7	138 186 187	64 338	
444	8.8	26 52.08	0.5611	.0229	63 56 48.7	7.923	.078	21.0	133 142 144	64 339	
445	6.0	26 53.35	0.6951	.0201	62 41 8.9	7.921	.096	21.0	134 143 145	62 357	L 1523, 32 G Ret.
446	8.5	4 26 58.15	+0.7657	+.0186	−61 58 22.5	+ 7.915	−.106	21.7	146 187 188	62 358	
447	8.3	27 9.80	0.7716	.0185	61 54 9.3	7.899	.106	19.9	49 52 57	62 360	
448[c]	8.4	27 55.54	0.3252	.0282	65 52 40.2	7.838	.046	20.4	53 54 55 56[e]	65 344	D h 3662
449[d]	8.9	27 58.15	0.3252	.0282	65 52 36.3	7.834	.046	21.0	136 139 140	65 345	
450	8.3	28 20.37	0.4647	.0248	64 43 42.7	7.804	.065	21.0	133 142 144	64 342	

(a) D t S. (b) s 2ª ✱ 9.4 o′2N. (c) s 3ª ✱ 8.9 o′1N. (d) p 3ª ✱ 8.4 o′1S. (e) 136, 139, 140.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
451	8.8	4h28m24s.39	+0s.4241	+s.0257	−65° 3′54″.7	+ 7″.799	−″.060	21.7	138 187 188	65°347	
452	9.0	28 34.32	0.5268	.0233	64 10 52.9	7.786	.073	21.0	134 143 145	64 343	
453	8.0	29 4.75	0.3625	.0270	65 32 20.7	7.745	.052	21.0	135 146	65 349	
454	9.2	29 6.53	0.4422	.0251	64 53 10.5	7.743	.062	19.9	49 52 57	64 345	
455	8.7	30 41.74	0.7472	.0183	61 59 58.9	7.614	.104	20.1	53 54 56	62 366	
456	8.8	4 31 57.03	+0.4139	+.0250	−65 0 34.1	+ 7.513	−.059	20.7	55 136 139 140	65 352	
457	8.5	32 6.41	0.3951	.0254	65 9 28.7	7.500	.056	21.7	138 187 188	65 355	
458	8.3	32 19.10	0.3632	.0261	65 24 27.9	7.483	.052	21.0	133 142 144	65 356	
459[a]	6.4	32 46.68	0.6393	.0201	62 58 40.0	7.445	.089	21.0	134 143 145	63 342	Dh 3670
460	8.9	33 35.00	0.7494	.0178	61 51 21.9	7.380	.105	21.0	135 146	61 352	
461	9.1	4 34 0.15	+0.4103	+.0246	−64 57 41.3	+ 7.346	−.058	19.9	49 52 57	65 357	
462	9.3	34 6.66	0.4269	.0242	64 49 8.9	7.337	.060	19.9	53 54 56	64 353	
463[b]	6.3	35 53.02	0.7038	.0182	62 13 29.8	7.193	.099	20.7	55 136 139 140	62 372	Doradus DL 1567, 9 G
464	9.0	36 56.76	0.4790	.0224	64 16 14.8	7.106	.068	21.8	138 186 187 188	64 357	
465	9.1	37 29.67	0.6871	.0182	62 19 37.8	7.061	.096	21.0	133 142 144	62 375	
466	7.0	4 37 58.78	+0.6651	+.0185	−62 31 29.1	+ 7.021	−.093	21.0	134 143 145	62 376	
467	9.0	38 3.89	0.3574	.0247	65 14 34.9	7.014	.051	21.0	135 146	65 362	
468	8.8	38 50.95	0.3314	.0250	65 25 19.9	6.950	.048	19.9	49 52 57	65 364	
469	8.5	39 21.24	0.2792	.0260	65 48 38.9	6.908	.041	19.9	53 54 56	65 365	
470	9.2	39 49.25	0.5925	.0195	63 8 50.1	6.870	.084	20.7	55 136 139 140	63 355	
471	8.1	4 40 2.34	+0.6133	+.0191	−62 56 36.4	+ 6.852	−.086	21.7	138 186 187	63 356	
472[c]	8.9	40 33.98	0.4268	.0226	64 35 4.8	6.809	.061	21.0	133 142 144	64 363	
473[d]	8.9	40 46.33	0.4224	.0226	64 36 51.2	6.792	.060	21.5	134 143 145 196	64 364	
474	8.6	40 47.39	0.3191	.0247	65 27 9.4	6.790	.046	21.0	135 146	65 369	Dh 3689
475	8.7	41 20.16	0.6521	.0181	62 31 30.9	6.745	.092	19.9	49 52 57	62 377	
476	8.8	4 41 24.65	+0.7283	+.0168	−61 45 57.3	+ 6.739	−.103	19.9	53 54 56	61 361	
477	8.6	41 27.11	0.2899	.0252	65 39 27.3	6.736	.042	20.7	55 136 139 140	65 371	
478	7.9	41 38.09	0.5627	.0197	63 21 20.8	6.721	.080	21.7	138 186 187	63 358	
479	9.0	41 49.83	0.7088	.0171	61 56 51.6	6.705	.100	21.0	133 142 144	62 378	
480[e]	9.0	41 51.72	0.5895	.0192	63 6 0.5	6.702	.084	21.0	134 145	63 360	
481[f]	9.0	4 42 12.76	+0.3667	+.0234	−65 1 26.1	+ 6.673	−.053	21.0	135 146	65 373	D
482[g]	9.0	42 14.61	0.3470	.0237	65 10 52.9	6.671	.050	19.9	49 52 57	65 374	
483	9.0	42 41.49	0.4792	.0210	64 3 48.5	6.634	.068	19.9	53 54 56	64 365	
484	8.8	43 36.66	0.2827	.0247	65 38 31.6	6.558	.041	20.7	55 136 139 140	65 376	
485	8.9	44 13.56	0.4903	.0205	63 54 49.9	6.507	.070	21.7	138 187 188	64 369	
486	8.9	4 44 14.30	+0.5429	+.0195	−63 26 42.2	+ 6.506	−.077	21.0	133 142 144	63 364	
487	7.1	44 15.95	0.5517	.0193	63 21 52.3	6.503	.078	21.0	134 143 145	63 365	
488	8.9	44 24.43	0.3469	.0232	65 6 39.3	6.492	.050	21.0	135 146	65 377	
489	9.0	44 42.27	0.4989	.0202	63 49 20.5	6.467	.072	19.9	49 52 57	63 366	
490	9.0	44 54.68	0.3660	.0226	64 56 25.4	6.450	.053	19.9	53 54 56	65 378	
491	8.3	4 45 19.41	+0.5112	+.0198	−63 41 33.6	+ 6.416	−.073	20.7	55 136 139 140	63 369	
492	9.2	46 14.16	0.2800	.0240	65 34 42.3	6.340	.041	21.7	138 186 188	65 380	
493	8.0	46 30.85	0.5873	.0182	62 57 35.0	6.317	.084	21.0	133 142 144	63 370	
494	7.6	47 27.69	0.5126	.0192	63 36 34.0	6.239	.073	21.0	134 143 145	63 372	
495	8.5	47 31.62	0.4824	.0198	63 52 27.6	6.233	.069	21.0	135 146	63 373	
496	8.9	4 47 43.86	+0.6195	+.0174	−62 36 54.7	+ 6.216	−.088	19.9	49 52 57	62 388	
497	8.6	47 56.46	0.5661	.0182	63 6 30.4	6.199	.081	19.9	53 54 56	63 374	
498	8.6	48 21.63	0.4040	.0210	64 31 0.2	6.164	.058	20.7	55 136 139 140	64 371	
499	8.8	48 35.42	0.6376	.0169	62 24 45.3	6.145	.091	21.7	138 186 188	62 391	
500	9.1	48 58.04	0.2516	.0237	65 42 46.6	6.113	.037	21.0	133 142 144	65 385	

(a) *s* 4ª ★ 9.1 0′1S. (b) Variable. (c) *s* 15ª ★ 9.0 2′S. (d) *p* 15ª ★ 9.0 2′N. (e) *s* 5ª ★ 9.4 2′S. (f) D *p* 8ª ★ 9.2 1′S.
(g) *s* 4ª ★ 9.2 1′S.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
501	8.9	4ʰ49ᵐ11ˢ.70	+0ˢ.6407	+ˢ.0168	−62°21′45″.9	+ 6″.094	−″.091	21.5	134 143 145 196	62°392	
502	8.8	49 18.37	0.5413	.0183	63 17 30.4	6.085	.078	21.0	135 146	63 376	
503	9.1	49 41.83	0.3139	.0223	65 12 25.5	6.052	.046	19.9	49 52 57	65 386	
504	8.9	52 8.02	0.5280	.0179	63 19 26.5	5.849	.076	20.0	54 56	63 378	
505	7.9	52 32.02	0.4802	.0186	63 44 12.8	5.815	.069	20.7	55 136 139 140	63 379	
506	8.8	4 53 9.29	+0.6813	+.0154	−61 50 14.3	+ 5.763	−.097	21.7	138 186 188	61 382	
507	8.9	53 40.61	0.4511	.0188	63 57 23.8	5.720	.065	21.0	133 142 144	64 380	
508	7.3	54 23.72	0.5653	.0169	62 54 52.2	5.659	.081	21.0	134 143	62 398	
509	7.9	54 37.70	0.4339	.0189	64 4 35.4	5.640	.063	21.0	135 146	64 384	
510	8.7	55 38.61	0.3559	.0199	64 41 51.1	5.555	.052	19.9	49 52 57	64 389	
511	8.8	4 55 48.22	+0.4778	+.0179	−63 39 45.0	+ 5.541	−.069	19.9	53 54 56	63 387	
512	8.4	55 57.74	0.5967	.0161	62 34 0.8	5.528	.086	20.7	55 136 139 140	62 400	
513	6.8	56 43.46	0.2982	.0206	65 7 49.5	5.464	.044	21.7	138 186 188	65 394	
514	7.7	57 43.63	0.5097	.0170	63 19 27.0	5.379	.074	21.0	133 142 144	63 391	
515	9.0	58 4.78	0.4234	.0182	64 4 7.1	5.349	.061	21.0	134 143	64 395	
516	9.1	4 58 53.46	+0.5267	+.0164	−63 8 21.2	+ 5.281	−.076	21.0	135 146	63 395	
517	8.9	59 23.07	0.6060	.0152	62 23 16.0	5.239	.087	19.9	49 52 57	62 406	
518[a]	8.8	59 40.89	0.6683	.0143	61 46 24.5	5.214	.096	19.9	53 54 56	61 399	
519	7.8	5 0 4.29	0.3654	.0186	64 30 3.0	5.181	.053	20.5	55 59 136 139	64 397	
520	9.0	0 42.31	0.6525	.0143	61 54 1.9	5.128	.094	21.0	133 142 144	61 401	
521	9.1	5 0 44.02	+0.5162	+.0162	−63 11 2.6	+ 5.125	−.075	20.5	60 140	63 400	
522	8.8	0 48.92	0.6215	.0147	62 12 0.3	5.119	.089	21.0	134 143 145	62 410	
523	8.3	0 56.59	0.2152	.0207	65 39 37.0	5.108	.032	21.0	135 146	65 409	
524[b]	9.2	1 51.25	0.6376	.0143	62 0 56.1	5.031	.092	20.0	52 57 58	62 414	
525[c]	8.9	2 0.87	0.2961	.0191	65 0 36.2	5.017	.043	20.0	54 56	65 417	
526	8.4	5 2 42.88	+0.4965	+.0160	−63 18 32.5	+ 4.958	−.072	20.5	55 59 136 139	63 405	
527	8.5	3 35.00	0.2781	.0190	65 6 50.1	4.884	.041	20.5	60 140	65 421	
528	8.8	3 37.81	0.5963	.0145	62 22 0.3	4.880	.086	21.0	133 142 144	62 418	
529[d]	8.9	4 2.57	0.4488	.0164	63 41 42.8	4.845	.065	21.0	134 143	63 410	
530	8.1	4 19.47	0.3345	.0179	64 38 47.2	4.821	.049	21.0	135 146	64 405	
531	9.1	5 5 21.50	+0.4460	+.0161	−63 41 15.6	+ 4.733	−.065	20.6	54 56 188	63 415	
532	9.0	5 23.39	0.6150	.0139	62 8 33.5	4.731	.089	20.0	52 55 58	62 420	
533	8.0	5 31.01	0.5346	.0149	62 53 39.4	4.720	.077	20.5	55 59 136 139	62 421	
534	9.1	5 49.89	0.4684	.0157	63 28 52.2	4.693	.068	20.5	60 140	63 416	
535	8.7	5 50.35	0.5781	.0143	62 28 58.9	4.692	.083	21.0	133 142 144	62 422	
536	8.4	5 6 0.62	+0.4945	+.0153	−63 14 43.0	+ 4.678	−.072	21.0	134 145	63 417	
537	8.5	6 10.25	0.1441	.0202	66 3 49.3	4.664	.022	21.0	135 146	66 374	Dor. G 5958
538	8.0	6 24.48	0.2226	.0190	65 28 31.7	4.644	.033	20.0	52 57 58	65 428	
539	9.0	6 24.65	0.6373	.0134	61 54 5.4	4.644	.092	20.0	54 56	61 411	
540	8.6	6 46.27	0.5364	.0146	62 50 51.5	4.613	.078	20.5	55 59 136 139	62 425	
541	5.7	5 6 58.55	+0.4638	+.0155	−63 29 38.5	+ 4.596	−.067	21.7	140 186 188	63 420	L1772, 21 G Dor.
542	8.8	7 9.85	0.6106	.0136	62 8 30.4	4.580	.088	21.0	133 142 144	62 426	
543	8.7	8 47.25	0.5520	.0139	62 39 23.6	4.441	.080	21.0	135 146	62 430	
544	8.7	9 1.52	0.2481	.0178	65 13 21.5	4.421	.037	20.0	52 57 58	65 435	
545	7.5	9 5.57	0.4146	.0155	63 52 15.0	4.415	.060	21.0	134 143 145	63 426	
546	9.2	5 9 18.14	+0.6378	+.0128	−61 49 34.2	+ 4.397	−.092	20.0	54 56	61 416	
547	8.7	9 44.62	0.2575	.0175	65 8 4.1	4.360	.038	20.5	55 59 136 139	65 437	
548[e]	8.9	10 17.13	0.3502	.0161	64 23 0.6	4.314	.051	21.5	140 188	64 420	
549	8.8	10 42.94	0.5201	.0139	62 54 18.9	4.277	.076	21.0	133 142 144	62 437	
550	8.6	11 23.06	0.6018	.0128	62 7 41.1	4.220	.087	21.0	134 143 145	62 439	

(a) p 12ᵍ ★ 9.2 0′58. (b) p 8ᵍ ★ 9.8 1′88. (c) p 2ᵍ ★ 9.5 0′68. (d) s 2ᵍ0′5N. (e) s 5ᵍ ★ 9.1 2′N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
551	6.9	5h11m44s.36	+0s.2354	+s.0172	−65°15′50″.6	+ 4″.189	−″.035	21.0	135 146	65°441	Dor. L 1807
552	8.2	13 7.87	0.2243	.0169	65 19 16.0	4.070	.034	20.0	52 57 58	65 443	
553	9.0	13 26.33	0.3213	.0156	64 33 11.7	4.044	.047	19.9	53 54 56	64 431	
554	8.6	13 51.46	0.4313	.0142	63 37 32.8	4.008	.063	20.5	55 59 136 139	63 436	
555	8.7	14 12.94	0.4840	.0135	63 9 24.4	3.977	.071	20.5	60 140	63 438	
556	9.0	5 14 31.18	+0.5840	+.0124	−62 13 47.9	+ 3.951	−.085	21.0	133 142	62 445	
557	8.3	15 17.33	0.4515	.0136	63 25 20.3	3.885	.066	21.0	134 145	63 441	
558	8.6	15 53.82	0.5220	.0127	62 46 48.4	3.833	.076	21.0	135 146	62 450	
559	9.1	16 1.13	0.5109	.0128	62 52 42.3	3.823	.074	20.0	52 57 58	62 451	
560	9.1	16 19.52	0.5311	.0125	62 41 15.9	3.797	.077	20.0	54 56	62 452	
561	8.8	5 16 26.62	+0.5545	+.0123	−62 28 8.2	+ 3.787	−.081	20.7	59 136 139	62 453	
562	8.5	17 25.00	0.5991	.0116	62 1 41.7	3.703	.087	20.5	60 140	62 456	Dh 3755
563	7.9	18 7.12	0.4862	.0126	63 3 36.4	3.643	.071	21.0	133 142 144	63 448	
564	8.9	19 25.70	0.1099	.0163	66 3 10.4	3.530	.017	21.1	143 145	66 396	
565	8.9	19 28.82	0.4738	.0124	63 8 45.7	3.526	.069	21.1	135 146	63 449	
566	8.9	5 19 36.59	+0.1628	+.0157	−65 39 53.6	+ 3.515	−.024	20.0	52 57 58	65 455	
567	8.7	20 18.16	0.4205	.0127	63 35 51.2	3.455	.061	19.9	53 54 56	63 450	
568	8.1	20 31.70	0.3549	.0133	64 8 48.9	3.436	.052	20.7	59 136 139	64 439	
569	8.3	20 37.02	0.3229	.0136	64 24 27.6	3.428	.048	20.5	60 140	64 441	
570	8.9	20 51.26	0.1318	.0156	65 52 17.7	3.407	.020	21.0	133 142 144	65 457	
571	8.4	5 22 1.06	+0.4892	+.0116	−62 57 49.8	+ 3.307	−.071	21.0	134 143 145	63 454	
572	8.3	22 29.66	0.5609	.0109	62 17 54.1	3.266	.082	21.0	135 146	62 465	
573	7.6	23 6.49	0.5222	.0111	62 38 49.9	3.213	.076	20.0	52 57 58	62 468	
574	8.9	23 38.27	0.2114	.0139	65 14 10.6	3.167	.031	19.9	53 54 56	65 465	
575	8.8	23 43.74	0.5440	.0108	62 26 6.9	3.159	.079	20.7	59 136 139	62 469	
576	8.1	5 24 26.33	+0.3122	+.0127	−64 25 59.4	+ 3.098	−.046	20.5	60 140	64 442	
577	8.7	25 4.01	0.4972	.0107	62 50 32.5	3.044	.072	21.0	133 142 144	62 472	
578	8.4	25 43.12	0.1311	.0141	65 48 14.4	2.987	.020	21.0	134 143 145	65 469	Dor. G 6400
579	9.1	25 54.47	0.4504	.0111	63 14 47.1	2.971	.066	21.0	135 146	63 457	
580	9.0	26 5.21	0.3912	.0115	63 45 18.4	2.955	.057	20.0	52 57 58	63 458	
581	7.3	5 26 17.21	+0.3147	+.0122	−64 23 8.7	+ 2.938	−.046	19.9	53 54 56	64 446	
582	8.9	26 22.00	0.5271	.0104	62 33 1.1	2.931	.077	20.7	59 136 139	62 473	
583	8.2	26 23.37	0.2797	.0125	64 39 52.9	2.929	.041	21.5	140 188	64 447	
584	8.7	28 29.49	0.5847	.0095	61 58 41.4	2.747	.085	21.0	133 142 144	62 478	
585	6.9	28 31.32	0.1660	.0129	65 30 31.3	2.745	.025	21.0	134 143 145	65 475	
586	7.7	5 28 36.23	+0.5430	+.0097	−62 22 13.7	+ 2.738	−.079	21.0	135 146	62 479	
587	8.0	28 37.59	0.5948	.0094	61 52 47.9	2.736	.087	20.0	52 57 58	61 471	
588	8.3	28 53.68	0.2251	.0122	65 3 24.6	2.712	.033	19.9	53 54 56	65 476	
589	8.9	29 23.30	0.5275	.0097	62 30 9.6	2.670	.077	20.7	59 136 139	62 481	
590	6.6	29 48.63	0.3578	.0109	63 59 0.6	2.633	.052	20.5	60 140	64 452	D Lac. 1922
591	8.8	5 30 46.65	+0.1602	+.0122	−65 31 25.8	+ 2.549	−.024	21.0	133 142 144	65 479	
592	8.9	31 41.09	0.4981	.0094	62 44 26.4	2.470	.073	21.0	134 143 145	62 483	
593	7.6	32 21.53	0.4104	.0098	63 30 22.3	2.412	.060	21.0	135 146	63 460	
594	5.6	32 34.93	0.3178	.0104	64 16 37.3	2.392	.046	20.0	52 57 58	64 456	Lg49, 28 G Dor.
595	8.4	32 56.01	0.2163	.0111	65 4 29.5	2.362	.032	19.9	53 54 56	65 483	
596	4.8	5 32 58.23	+0.5186	+.0089	−62 32 19.3	+ 2.359	−.076	20.5	59 139	62 487	F. β Doradus
597	8.5	33 1.52	0.0923	.0120	65 59 30.6	2.354	.014	20.5	60 140	66 431	
598	8.7	33 5.37	0.2936	.0104	64 28 2.2	2.348	.043	21.0	133 142 144	64 458	
599	8.6	33 20.54	0.3985	.0096	63 35 46.4	2.326	.058	21.0	134 143 145	63 463	
600	8.7	34 54.72	0.5637	.0082	62 5 44.7	2.190	.082	21.0	135 146	62 493	

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
601[a]	9.0	5h36m 6ṣ06	+0ṣ2447	+ṣ0100	−64°49′19″4	+ 2″087	−″036	20.0	52 57 58	64°461	
602	9.1	37 44.78	0.2261	.0096	64 56 59.3	1.943	.033	19.9	53 54 56	64 464	
603	9.2	39 27.88	0.1605	.0095	65 25 54.5	1.794	.023	20.7	59 136 139	65 490	
604	8.8	39 30.89	0.4627	.0078	62 58 26.1	1.789	.067	20.5	60 140	62 501	
605	9.2	39 42.09	0.4948	.0076	62 41 3.3	1.773	.072	21.0	133 142 144	62 502	
606	9.0	5 40 21.35	+0.5792	+.0070	−61 53 34.0	+ 1.716	−.084	21.0	134 143 145	61 497	
607	9.0	41 13.40	0.1519	.0090	65 28 53.1	1.640	.022	21.0	135 146	65 491	
608	7.0	41 22.52	0.4638	.0074	62 56 51.7	1.627	.068	20.0	52 57 58	62 506	
609	9.0	41 52.25	0.0620	.0093	66 7 31.5	1.584	.009	19.9	53 54 56	66 446	
610	8.9	42 21.65	0.1933	.0084	65 9 45.2	1.541	.028	20.7	59 136 139	65 492	
611	6.6	5 43 12.81	+0.1122	+.0086	−65 45 27.8	+ 1.467	−.017	20.5	60 140	65 493	
612	9.0	43 46.86	0.1442	.0082	65 31 11.2	1.417	.021	21.0	133 142 144	65 494	
613	9.0	43 54.08	0.1960	.0079	65 7 53.3	1.407	.029	21.0	134 143 145	65 495	
614	8.4	44 37.61	0.4615	.0066	62 56 39.5	1.344	.067	21.0	135 146	62 512	
615	4.8	44 38.22	0.1101	.0081	65 45 49.5	1.343	.016	20.0	52 57 58	65 496	F. δ Doradus
616	9.0	5 46 19.13	+0.4200	+.0063	−63 17 48.6	+ 1.196	−.061	19.9	53 54 56	63 481	
617	9.2	46 29.90	0.1429	.0074	65 30 46.4	1.180	.021	20.7	59 136 139	65 501	
618	8.8	46 46.32	0.2386	.0069	64 47 7.7	1.156	.035	21.5	140 188	64 477	
619	8.4	48 20.95	0.1850	.0066	65 11 20.6	1.019	.027	21.0	133 142 144	65 504	
620	8.5	49 37.49	0.5510	.0052	62 5 51.1	0.907	.080	21.0	134 143 145	62 529	
621	8.7	5 50 6.86	+0.3826	+.0055	−63 35 55.8	+ 0.864	−.056	21.0	135 146	63 491	
622	8.3	50 25.79	0.1719	.0061	65 16 41.2	0.837	.025	19.9	53 54 56	65 507	Dor. L 2089
623	9.2	50 26.25	0.4121	.0054	63 20 42.4	0.836	.060	20.0	52 57 58	63 492	
624	7.1	50 58.19	0.3281	.0055	64 3 0.4	0.790	.048	20.7	59 136 139	64 486	
625	8.2	51 2.05	0.3882	.0053	63 32 50.4	0.784	.056	20.5	60 140	63 495	
626	8.7	5 51 22.25	+0.5031	+.0049	−62 31 59.3	+ 0.754	−.073	21.0	133 142 144	62 537	
627	9.0	51 57.48	0.1295	.0057	65 35 14.3	0.703	.019	21.0	134 143 145	65 514	
628	7.4	52 31.40	0.5756	.0045	61 51 9.7	0.654	.084	21.0	135 146	61 541	
629	9.1	52 48.72	0.4710	.0047	62 49 5.9	0.628	.068	20.0	52 57 58	62 539	
630	8.3	52 58.92	0.4128	.0047	63 19 44.8	0.614	.060	19.9	53 54 56	63 497	
631	8.7	5 53 6.98	+0.2486	+.0051	−64 40 51.9	+ 0.602	−.036	20.7	59 136 139	64 493	
632	5.4	53 31.43	0.4375	.0046	63 6 47.1	0.566	.063	20.5	60 140	63 498	La 106, 36 G Dor.
633	6.7	53 51.36	0.2719	.0048	64 29 40.9	0.537	.039	21.0	133 142 144	64 495	La 113, 37 G Dor.
634	8.2	54 50.33	0.0861	.0049	65 53 36.4	0.451	.012	21.0	134 143 145	65 523	
635[b]	8.7	54 51.59	0.0754	.0049	65 58 12.2	0.449	.011	21.3	135 146 188	65 524	
636	9.2	5 55 14.17	+0.4391	+.0042	−63 5 39.2	+ 0.417	−.064	20.0	52 57 58	63 502	
637	9.0	57 9.14	0.1677	.0040	65 17 33.6	0.249	.024	19.9	53 54 56	65 526	
638	9.2	57 38.51	0.4765	.0035	62 45 30.3	0.206	.069	20.9	136 139	62 552	Dk 3829
639	9.1	57 39.91	0.1540	.0039	65 23 38.6	0.204	.022	20.5	60 140	65 528	
640	8.7	57 57.51	0.3117	.0036	64 10 2.3	0.179	.045	21.0	133 142 144	64 503	
641	9.0	5 58 36.81	+0.4053	+.0034	−63 23 2.2	+ 0.121	−.059	21.0	135 146	63 506	
642	9.0	59 6.54	0.1540	.0034	65 23 37.3	0.078	.022	20.0	52 58	65 530	
643[c]	8.4	59 18.60	0.4707	.0031	62 48 35.9	0.060	.068	21.0	134 145	62 558	
644[d]	8.7	59 27.93	0.1466	.0033	65 26 54.2	0.047	.021	19.9	53 54 56	65 531	
645	8.5	59 37.32	0.5591	.0030	61 59 46.5	0.033	.081	20.9	136 139	61 564	
646	7.7	5 59 45.52	+0.2938	+.0031	−64 18 39.5	+ 0.021	−.042	20.5	60 140	64 510	
647	9.0	59 54.31	0.5300	.0030	62 16 9.4	+ 0.008	.077	21.0	133 142 144	62 561	
648[e]	8.7	6 0 0.83	0.4704	.0030	62 48 43.3	− 0.001	.068	20.2	52 54 56 145	62 563	
649	8.9	0 11.58	0.4640	.0030	62 52 8.0	− 0.017	.067	20.5	58 134	62 564	
650	7.7	1 37.33	0.2249	.0026	64 51 22.5	− 0.142	.032	20.1	60 61 67	64 512	

([a]) p 10ˢ ★ 10.0 0′3N, s 1ˢ ★ 10.0 1′S. ([b]) p 5ˢ ★ 9.4 0′6N. ([c]) s 42ˢ = δ. ([d]) s 2ˢ ★ 9.6 2′N. ([e]) s 20ˢ ★ 9.5 0′1N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
651	8.8	6h 1m41s.08	+0s.3868	+s.0026	− 63°32′30″.9	− 0″.147	−″.056	20.1	62 63 68	63°517	
652	8:7	1 55.05	0.1613	.0025	65 20 22.5	0.168	.023	20.7	64 142 144	65 536	
653	8.8	2 10.95	0.4862	.0025	62 40 15.7	0.191	.070	21.1	145 146 151 152	62 569	
654	8.6	2 43.09	0.3627	.0023	63 44 49.2	0.238	.052	21.1	148 149 150 153	63 519	
655	8.3	2 48.88	0.4094	.0023	63 21 0.4	0.246	.059	19.9	52 54 56	63 520	
656	8.8	6 3 17.29	+0.5242	+.0022	−62 19 30.2	− 0.288	−.076	20.5	58 134	62 574	
657	8.7	4 35.68	0.5286	.0020	62 17 12.4	0.402	.077	20.1	60 61 67	62 579	
658[a]	9.1	5 2.44	0.0937	.0015	65 50 21.3	0.441	.013	20.1	62 63 68	65 546	
659	8.8	5 46.06	0.1678	.0014	65 17 49.5	0.504	.024	20.7	64 142 144	65 549	
660	9.1	5 52.71	0.4444	.0016	63 3 0.9	0.514	.064	21.1	145 146 151 152	63 524	
661	5.8	6 6 4.14	+0.0673	+.0011	−66 1 45.1	− 0.531	−.009	21.1	135 147 148 149[1]	66 493	[Doradus c' L 2203, 38 G
662	6.1	6 22.20	0.5447	.0016	62 8 27.4	0.557	.079	19.9	52 54 56	62 582	F. Pict. 47 G
663	8.5	6 49.64	0.2870	.0012	64 22 32.9	0.597	.041	20.1	58 59	64 516	
664	9.0	7 26.96	0.2807	.0010	64 25 42.8	0.651	.040	20.5	67 134	64 520	
665	9.1	7 37.90	0.1728	.0008	65 15 51.9	0.667	.024	20.1	62 63 68	65 553	
666	9.1	6 7 39.26	+0.4172	+.0011	−63 17 36.2	− 0.669	−.060	20.7	64 142 144	63 528	
667	9.0	7 57.64	0.4545	.0011	62 58 1.5	0.696	.065	21.1	145 146 152	62 585	
668	8.8	8 1.66	0.3835	.0010	63 35 1.5	0.702	.055	21.1	148 149 150 153	63 531	
669	8.7	8 46.93	0.1990	.0005	65 4 14.3	0.768	.028	19.9	52 54 56	65 555	Dor. G 7491
670	7.7	9 53.78	0.1699	.0001	65 17 39.8	0.865	.024	20.1	58 59 66	65 557	
671	8.8	6 9 55.44	+0.0892	−.0001	−65 53 9.7	− 0.868	−.012	20.1	60 61 67	65 558	
672	9.1	10 47.10	0.1580	−.0002	65 23 16.8	0.943	.022	20.1	63 68	65 560	
673	5.5	11 5.29	0.1332	−.0004	65 34 18.4	0.969	.019	20.7	64 142 144	65 561	[G Doradus c² Doradus, 40
674	9.0	11 23.53	0.3425	+.0001	63 54 30.6	0.996	.050	21.1	145 146 152	63 535	
675[b]	8.7	11 41.00	0.1397	−.0006	65 31 38.1	1.021	.019	21.1	148 149 150 153	65 564	
676[c]	7.6	6 12 0.27	+0.1419	−.0007	−65 30 44.9	− 1.050	−.020	19.9	52 54 56	65 565	Dz 26
677[d]	8.5	12 3.45	0.1416	−.0007	65 30 54.0	1.054	.020	20.0	54 58 59 66	65 566	
678	8.6	12 16.89	0.5573	+.0003	62 2 52.7	1.074	.080	20.1	60 61 67	62 598	
679	9.0	12 48.36	0.1042	−.0010	65 47 29.2	1.120	.014	20.1	62 63 68	65 569	
680	9.6	13 18.30	0.1500	−.0011	65 27 33.5	1.163	.021	20.7	64 142 144	65 570	
681	8.9	6 13 45.04	+0.1448	−.0012	−65 30 0.8	− 1.202	−.020	21.1	145 152	65 571	
682	8.3	13 50.47	0.0548	.0015	66 8 55.8	1.210	.007	20.1	147 148 149 150[2]	66 505	
683[e]	8.4	14 10.80	0.5359	.0001	62 15 34.0	1.239	.077	19.9	52 54 56	62 601	
684[f]	9.2	14 24.18	0.5350	.0002	62 16 8.4	1.259	.077	20.1	58 59 66	62 602	
685	8.7	14 31.92	0.5271	.0002	62 20 35.1	1.270	.076	20.1	62 63 68	62 603	
686	8.4	6 14 35.35	+0.2945	−.0009	−64 21 4.4	− 1.275	−.042	20.1	60 61 67	64 525	
687	8.9	14 57.46	0.4082	.0007	63 24 25.7	1.307	.059	20.7	64 142 144	63 538	
688	8.6	17 13.83	0.2692	.0018	64 34 16.2	1.506	.038	21.1	145 146 151 152	64 528	
689	7.2	17 24.30	0.3401	.0015	63 59 54.8	1.521	.048	21.1	147 148 149 150[3]	63 541	
690	9.0	17 43.88	0.5332	.0009	62 18 36.5	1.549	.076	19.9	52 54 56	62 612	
691	8.9	6 18 00.00	+0.4456	−.0013	−63 6 14.1	− 1.573	−.064	20.1	58 59 66	63 542	
692	9.0	18 26.63	0.2468	.0022	64 45 23.4	1.612	.035	20.1	60 61 67	64 530	
693	9.2	18 35.15	0.2052	.0024	65 4 45.8	1.624	.029	20.1	62 63 68	65 574	
694	9.0	19 3.13	0.3845	.0018	63 38 23.2	1.664	.055	20.7	64 142 144	63 547	
695	7.0	19 10.67	0.3670	.0019	63 47 20.8	1.675	.052	21.1	145 146 151 152	63 548	
696	8.4	6 19 17.57	+0.0779	−.0033	−66 1 20.8	− 1.685	−.010	21.1	148 149 150 153	66 516	
697	7.6	20 15.08	0.5348	.0015	62 18 59.2	1.769	.076	19.9	52 54 56	62 619	
698	8.5	20 34.43	0 3409	.0024	64 1 6.1	1.797	.048	20.1	58 59 66	63 555	
699	8.7	21 5.87	0.5327	.0016	62 20 39.5	1.843	.076	20.1	60 61 67	62 621	
700[g]	8.7	22 30.95	0.2832	.0032	64 30 15.5	1.966	.040	20.1	62 63 68	64 547	

(a) *s* 13s ★ 9.4 1′2S. (b) *s* 20s ★ al N. (c) *s* 3s ★ 8.5 0′2S. (d) *p* 3s ★ 7.6 0′2N. (e) *s* 14s ★ 9.5 1′S. (f) *p* 14s ★ 8.0 1′N. (g) *s* 13s ★ 9.2 0′3S. (1) 150. (2) 153. (3) 153.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
701	7.1	6h22m32s.59	+0s.3880	—s.0027	−63°38′31″.5	— 1″.968	—″.055	20.7	64 142 144	63°561	
702	9.2	23 46.01	0.3773	.0030	63 44 40.9	2.075	.053	21.1	145 146 151	63 567	
703	7.1	23 55.06	0.4199	.0028	63 22 57.8	2.088	.060	21.1	148 149 150 152[1]	63 568	
704	8.3	24 7.45	0.1378	.0045	65 37 59.6	2.106	.019	20.1	58 59 66	65 588	
705	8.5	24 9.92	0.4870	.0026	62 47 34.6	2.110	.069	19.9	52 54 56	62 634	
706	6.6	6 24 27.91	+0.3736	—.0032	−63 47 0.5	— 2.136	—.053	20.1	60 61 67	63 572	
707	8.6	24 42.57	0.1616	.0046	65 27 47.7	2.157	.022	20.1	62 63 68	65 590	
708	8.2	24 44.93	0.5331	.0024	62 22 42.8	2.160	.076	20.7	64 142 144	62 636	
709	8.7	24 54.44	0.5607	.0023	62 7 18.7	2.174	.080	21.1	145 146 151	62 637	
710	8.3	25 40.42	0.3147	.0039	64 16 59.1	2.241	.044	21.1	147 148 149 150[2]	64 561	
711	8.9	6 25 47.73	+0.2872	—.0041	−64 30 20.8	— 2.251	—.040	19.9	52 54 56	64 562	
712	7.2	27 6.22	0.5657	.0028	62 6 2.6	2.365	.080	20.1	58 59 66	62 646	
713[a]	9.2	27 36.03	0.1395	.0056	65 39 24.9	2.408	.019	20.8	67 150 153	65 601	
714[b]	8.6	28 2.52	0.5235	.0032	62 30 20.1	2.447	.074	20.1	62 63 68	62 650	
715	8.3	28 43.27	0.1500	.0059	65 35 34.5	2.506	.020	20.7	64 142 144	65 607	
716	8.4	6 28 45.66	+0.3312	—.0046	−64 11 5.7	— 2.509	—.046	21.1	145 146 151	64 571	
717	8.8	29 24.61	0.5011	.0037	62 43 41.2	2.565	.071	21.1	147 148 149 150[3]	62 653	
718	8.6	29 34.62	0.4555	.0040	63 8 17.6	2.580	.064	19.9	52 54 56	63 586	
719	9.0	29 45.49	0.5916	.0032	61 53 16.5	2.596	.084	20.1	59 66	61 667	
720	7.1	29 50.96	0.1623	.0062	65 30 54.9	2.604	.022	20.1	60 61	65 610	
721	8.1	6 30 15.41	+0.1009	—.0068	−65 58 8.4	— 2.639	—.013	20.1	62 63 68	65 611	
722	8.1	30 42.91	0.5515	.0036	62 16 54.7	2.679	.078	20.7	64 142 144	62 657	
723	8.9	30 56.94	0.4184	.0046	63 28 47.7	2.699	.059	21.1	145 146 151	63 590	
724	8.4	31 55.69	0.2000	.0065	65 15 34.4	2.784	.027	21.1	147 148 149 150[4]	65 616	Dor. G 8117
725	8.4	32 5.28	0.1933	.0066	65 18 44.6	2.798	.026	19.9	52 54 56	65 618	
726	8.5	6 33 46.14	+0.3789	—.0056	−63 51 24.0	— 2.943	—.053	20.1	58 59 66	63 605	
727	9.1	34 1.61	0.5824	.0041	62 2 17.5	2.965	.082	20.1	60 61	62 670	
728	8.9	34 3.47	0.0984	.0080	66 2 11.9	2.968	.012	20.7	64 142 144	65 621	
729	8.5	34 5.90	0.5333	.0045	62 30 0.2	2.972	.075	20.1	62 63 66	62 671	
730	7.5	34 13.04	0.4560	.0051	63 11 57.0	2.982	.064	21.1	145 146 151	63 667	
731	8.7	6 34 33.56	+0.5406	—.0045	−62 26 21.9	— 3.011	—.076	21.1	147 148 149 150[5]	62 677	
732	8.4	34 48.97	0.2457	.0070	64 56 56.9	3.034	.034	19.9	52 54 56	64 588	
733	8.2	35 35.04	0.2640	.0071	64 49 2.1	3.100	.036	20.1	58 59 66	64 589	
734	8.6	36 12.07	0.2886	.0070	64 37 37.7	3.153	.040	20.1	62 63 68	64 592	
735	9.0	36 13.09	0.5601	.0048	62 17 3.6	3.155	.079	20.1	60 61	62 681	
736	9.3	6 37 37.81	+0.5749	—.0050	−62 10 6.6	— 3.277	—.081	20.6	64 144	62 687	
737	9.0	37 48.51	0.3728	.0067	63 58 25.3	3.292	.052	21.1	145 146 151	63 617	
738	8.7	38 4.35	0.4308	.0063	63 28 50.2	3.315	.060	21.1	147 148 149 150[6]	63 618	
739	7.7	38 17.64	0.1098	.0094	66 1 1.1	3.334	.014	20.1	58 59 66	65 631	Vol. L 2451
740	8.6	38 20.37	0.4409	.0062	63 23 52.2	3.338	.061	19.9	52 54 56	63 622	
741[c]	8.8	6 39 25.04	+0.2221	—.0086	−65 12 11.6	— 3.431	—.030	20.1	60 61	65 636	
742	9.1	39 57.89	0.5985	.0053	61 59 2.4	3.478	.084	20.1	62 63 68	61 698	
743	9.1	40 16.62	0.4852	.0063	63 2 26.7	3.505	.068	20.7	64 142 144	62 695	
744	8.3	40 50.24	0.3411	.0078	64 17 5.5	3.553	.047	21.1	145 146 151	64 604	
745	9.0	41 8.67	0.5949	.0055	62 2 25.9	3.579	.083	21.1	147 148 150 153	61 702	
746	9.3	6 41 8.90	+0.1316	—.0101	−65 54 23.9	— 3.580	—.017	19.9	52 54 56	65 643	
747	8.1	41 15.15	0.2013	.0094	65 23 32.2	3.589	.027	20.1	58 66	65 644	
748	8.3	41 15.78	0.3101	.0082	64 32 37.5	3.590	.042	20.1	60 61 67	64 605	
749	8.1	41 43.36	0.3229	.0082	64 26 54.6	3.629	.044	20.1	62 63 68	64 608	D Innes 284
750	8.5	41 56.58	0.5262	.0063	62 41 58.9	3.648	.073	20.7	64 142 144	62 697	

(a) *s* 15ª ★ 9.3 1′8. (b) *s* 10ª ★ 9.2 0′78. (c) *p* 3ª ★ 9.4 0′48. (1) 153. (2) 153. (3) 152, 153. (4) 153. (5) 153. (6) 153.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
751	9.2	6h42m 0s.75	+0s.1180	−s.0105	−66° 1′ 9″.1	− 3″.654	−″.015	21.1	145 146 151	65°647	
752	8.2	42 12.02	0.1668	.0100	65 39 58.5	3.670	.022	21.1	148 149 150 153	65 648	D*h* 3894
753	8.3	42 40.43	0.4881	.0068	63 3 32.1	3.711	.068	19.9	52 54 56	63 628	
754	8.7	42 40.81	0.5452	.0063	62 32 19.3	3.712	.076	20.1	58 66	62 703	
755[a]	9.0	44 17.89	0.3134	.0090	64 34 21.9	3.850	.043	20.1	60 61 67	64 616	
756	9.2	6 44 43.51	+0.4704	−.0075	−63 15 20.3	− 3.886	−.065	20.1	62 63 68	63 634	
757	7.5	45 5.69	0.2663	.0098	64 57 43.9	3.918	.036	20.7	64 142 144	64 618	Vol. G 8510
758	8.5	46 55.67	0.2656	.0103	65 0 11.0	4.075	.036	21.1	145 146 151	64 623	
759[b]	9.3	47 43.03	0.6009	.0068	62 7 1.5	4.144	.084	20.8	52 54 147 148(1)	62 712	
760[c]	9.2	47 45.33	0.6013	.0068	62 6 49.7	4.147	.084	20.7	54 56 147 148(2)	62 714	
761	7.5	6 49 54.48	+0.1130	−.0131	−66 12 13.5	− 4.330	−.014	20.1	58 66	66 608	
762	9.0	50 39.26	0.5661	.0078	62 30 42.9	4.395	.078	20.1	60 61 67	62 724	
763	9.0	51 12.93	0.4076	.0097	63 56 15.1	4.442	.056	20.1	62 63 68	63 641	
764	8.9	51 33.52	0.2099	.0124	65 31 35.9	4.471	.027	20.7	64 142 144	65 663	
765	8.9	51 59.96	0.2585	.0119	65 9 52.4	4.509	.034	21.1	145 146 151	65 664	
766	8.7	6 52 36.67	+0.2390	−.0123	−65 19 39.9	− 4.561	−.031	21.1	148 149 150 153	65 666	
767	8.8	53 3.25	0.1827	.0132	65 45 47.8	4.598	.024	19.9	52 54 56	65 669	
768	8.5	53 27.78	0.5887	.0081	62 21 57.5	4.634	.081	20.1	58 66	62 732	[MZ 26969
769	8.6	53 31.41	0.1768	.0134	65 49 2.7	4.639	.023	20.1	61 67	65 670	D*h* 3910,
770	8.7	53 55.21	0.6233	.0078	62 2 42.8	4.673	.086	21.1	145 146 151	61 737	
771	8.9	6 53 59.48	+0.5141	−.0091	−63 4 9.8	− 4.678	−.070	20.1	62 63 68	63 647	
772	9.0	54 0.92	0.6185	.0079	62 5 37.8	4.680	.085	21.7	64 142 144 189	62 735	
773	8.8	55 13.24	0.5011	.0095	63 12 58.7	4.783	.068	21.1	148 149 150 153	63 651	
774	8.6	55 20.62	0.1780	.0140	65 50 57.4	4.793	.023	19.9	52 54 56	65 673	D*h* 3915
775	9.2	55 30.74	0.3029	.0123	64 53 48.4	4.808	.040	20.1	60 61 67	64 637	
776	9.2	6 55 32.77	+0.6208	−.0082	−62 6 39.7	− 4.811	−.085	20.1	58 66	62 737	
777	8.9	56 9.08	0.3571	.0117	64 28 27.9	4.862	.048	20.1	62 63 68	64 638	
778	9.0	56 47.40	0.2899	.0128	65 1 47.2	4.916	.038	20.7	64 142 144	64 640	
779	9.0	56 57.78	0.5334	.0095	62 58 3.9	4.931	.073	21.1	145 146 151	62 743	
780	9.0	57 25.66	0.3272	.0124	64 44 53.1	4.970	.044	21.1	148 149 150 153	64 642	
781	9.2	6 58 17.40	+0.6139	−.0088	−62 14 56.6	− 5.044	−.084	19.9	52 54 56	62 746	
782	9.0	58 29.99	0.6350	.0086	62 3 3.6	5.062	.087	20.1	58 66	61 751	
783	8.9	58 46.70	0.3513	.0124	64 35 12.3	5.084	.047	20.1	60 61 67	64 646	
784	8.9	59 39.01	0.2038	.0149	65 45 38.5	5.158	.026	20.1	62 63 68	65 682	
785	8.7	7 0 13.45	0.2001	.0152	65 48 11.4	5.206	.026	20.6	70 144	65 685	
786	8.8	7 0 40.38	+0.5819	−.0097	−62 37 2.6	− 5.244	−.079	21.1	145 146 151	62 755	
787	7.8	0 50.09	0.2294	.0149	65 35 53.9	5.258	.029	21.1	148 149 150 153	65 686	
788	8.4	1 8.15	0.4854	.0111	63 30 34.5	5.283	.065	20.1	56 64 65	63 668	
789	7.9	3 39.60	0.3927	.0131	64 22 30.8	5.496	.052	20.1	58 59 66	64 660	
790[d]	9.3	5 1.78	0.4230	.0130	64 9 32.0	5.611	.050	20.1	60 61 67 69	64 663	
791	9.2	7 5 16.56	+0.5551	−.0111	−62 59 54.1	− 5.632	−.075	20.1	62 63 68	62 764	
792	8.9	5 29.70	0.4474	.0127	63 57 51.8	5.650	.060	20.6	70 144	63 683	
793	9.2	6 19.28	0.4593	.0127	63 53 6.8	5.720	.061	21.1	145 146 151	63 686	
794	9.0	6 31.11	0.3741	.0142	64 36 36.8	5.736	.049	21.1	148 149 150 153	64 668	
795	9.2	7 32.06	0.5233	.0120	63 21 22.9	5.821	.070	20.1	56 64 65	63 689	
796	8.6	7 8 25.07	+0.4948	−.0127	−63 38 15.6	− 5.895	−.066	20.1	58 59 66	63 692	
797	8.3	8 48.99	0.6527	.0104	62 10 56.1	5.928	.088	20.1	60 61 67 69	62 778	
798	9.2	9 3.31	0.4914	.0129	63 41 12.7	5.948	.066	20.1	62 63 68	63 695	
799	9.0	9 26.72	0.5802	.0116	62 53 39.9	5.981	.078	20.6	70 144	62 782	D*h* 3944
800	7.9	9 39.45	0.4185	.0142	64 20 3.4	5.998	.055	21.1	145 146 151	64 677	

[a] *p* 18s ★ 9.3 0′2N. [b] *s* 2s ★ 9.2 0′3N. [c] *p* 2s ★ 9.3 0′38. [d] *p* 10s ★ 9.1 2′N. (1) 149, 150, 153. (2) 149, 150.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
801[a]	9.0	7h10m26s02	+0s6114	−s0113	−62°37′54″8	− 6″063	−″082	21.1	148 149 150 153	62°785	
802	9.0	10 31.47	0.2600	.0172	65 38 1.1	6.071	.033	20.0	56 64 65	65 714	
803	9.0	10 41.01	0.1854	.0187	66 11 49.9	6.084	.023	20.1	58 59 66	66 659	MZ 36047
804	6.7	11 19.61	0.5686	.0122	63 3 41.9	6.138	.076	20.1	60 61 67 69	62 789	DII/A
805	9.4	11 22.14	0.6878	.0104	61 55 7.2	6.141	.093	20.1	62 63 68	61 783	
806	8.9	7 11 36.07	+0.5809	−.0120	−62 57 25.9	− 6.161	−.078	20.6	70 144	62 790	
807	9.0	11 59.44	0.4033	.0151	64 32 1.6	6.193	.053	21.1	145 146 151	64 682	
808	8.7	12 16.44	0.6874	.0105	61 57 13.3	6.216	.092	21.1	148 149 150	61 787	
809	8.9	12 36.42	0.5704	.0124	63 5 12.7	6.244	.076	20.0	56 64 65	63 704	
810	9.1	12 40.48	0.4900	.0138	63 48 50.8	6.250	.065	20.1	58 59 66	63 705	
811	7.6	7 12 47.73	+0.3811	−.0157	−64 44 34.7	− 6.260	−.050	20.1	60 61 67 69	64 686	
812	8.3	13 12.27	0.5923	.0122	62 54 12.8	6.294	.079	20.3	62 63 68 146	62 796	
813	9.1	13 52.58	0.5468	.0131	63 20 45.5	6.350	.073	20.6	70 144	63 708	
814	8.4	13 58.52	0.5920	.0124	62 55 55.5	6.358	.079	21.1	145 151	62 803	
815	9.1	14 17.43	0.3783	.0162	64 48 49.2	6.384	.049	21.1	148 149 150 153	64 688	
816	9.1	7 14 26.69	+0.3704	−.0163	−64 53 0.6	− 6.397	−.048	20.0	56 64 65	64 689	
817	8.9	15 27.27	0.4197	.0157	64 30 31.2	6.480	.055	20.1	58 59 66	64 692	
818[b]	9.0	15 28.77	0.2234	.0195	66 3 44.6	6.483	.028	21.4	69 189 190 191	65 726	DI 1103
819	7.8	16 1.10	0.4822	.0147	63 59 34.7	6.527	.063	20.1	62 63 68	63 711	
820[c]	8.5	16 24.87	0.5567	.0135	63 20 31.8	6.560	.073	20.6	70 144	63 712	
821	9.5	7 16 29.32	+0.3330	−.0176	−65 15 5.2	− 6.566	−.043	21.1	145 146 151	65 728	
822	8.7	16 37.44	0.6070	.0127	62 52 59.2	6.577	.080	21.1	148 149 150 153	62 812	
823	9.0	17 10.64	0.5649	.0135	63 17 38.4	6.623	.074	20.1	56 64 65	63 715	
824	9.2	17 22.94	0.3583	.0174	65 4 40.8	6.640	.046	20.1	58 59 66	64 698	
825	9.0	17 43.39	0.6936	.0115	62 4 59.9	6.668	.092	20.1	60 61 67 69	61 804	
826	8.7	7 17 55.09	+0.4974	−.0149	−63 55 32.1	− 6.684	−.065	21.1	145 146 151	63 718	
827	7.6	17 56.39	0.5729	.0136	63 14 49.8	6.686	.075	20.1	62 63 68	63 717	
828	8.8	17 58.08	0.6684	.0119	62 20 26.2	6.688	.089	20.6	70 144	62 814	
829	9.0	18 31.08	0.2845	.0192	65 41 53.4	6.733	.036	21.1	148 149 150 153	65 740	
830[d]	8.9	20 12.27	0.5419	.0146	63 36 41.8	6.872	.071	20.0	56 64 65	63 726	
831	9.1	7 21 13.29	+0.5301	−.0150	−63 45 13.6	− 6.956	−.069	20.1	58 59 66	63 729	
832	9.0	21 57.23	0.2399	.0211	66 9 13.8	7.016	.029	20.1	61 67 69	66 686	
833	7.7	22 13.65	0.7064	.0121	62 7 30.6	7.038	.093	20.1	62 63 68	62 824	MZ 8854
834	9.1	22 21.54	0.4512	.0168	64 29 0.6	7.049	.058	20.6	70 144	64 709	
835	8.7	22 39.95	0.3509	.0190	65 19 15.2	7.074	.044	21.1	145 146 151	65 753	Vol. B 1621
836	8.3	7 22 53.54	+0.4464	−.0171	−64 32 38.2	− 7.092	−.057	21.1	148 149 153	64 711	
837[e]	9.3	23 37.68	0.6858	.0127	62 23 2.6	7.153	.090	20.1	56 64 65	62 828	Dh 3972
838	9.2	24 11.72	0.5690	.0150	63 30 52.6	7.199	.074	20.1	58 59 66	63 734	
839	9.0	24 48.31	0.6365	.0139	62 54 31.6	7.249	.083	20.1	61 67 69	62 832	
840	9.0	25 0.54	0.3027	.0207	65 47 2.1	7.265	.038	20.1	62 63 68	65 757	
841	8.9	7 25 19.76	+0.3824	−.0190	−65 9 52.5	− 7.292	−.048	20.6	70 144	65 758	
842	8.8	25 24.30	0.3533	.0197	65 24 4.6	7.298	.045	21.1	145 146 148 151	65 759	
843	8.6	26 30.40	0.3531	.0200	65 26 36.8	7.387	.044	21.8	149 189 191	65 762	
844	8.1	26 34.00	0.5156	.0165	64 5 8.4	7.392	.066	20.0	56 64 65	63 738	
845	8.7	27 2.24	0.2712	.0220	66 6 0.4	7.430	.033	20.1	60 61 67 69	65 763	
846	8.7	7 27 4.77	+0.5939	−.0151	−63 23 54.0	− 7.434	−.077	20.1	58 59 66	63 739	
847	8.9	27 13.59	0.5051	.0169	64 12 11.6	7.446	.065	20.1	62 63 68	64 718	
848	9.0	27 14.91	0.3253	.0208	65 41 27.8	7.448	.041	20.6	70 144	65 764	
849	8.1	27 50.34	0.6074	.0150	63 18 13.8	7.496	.079	21.1	145 146 151	63 741	
850	8.8	28 1.96	0.4769	.0177	64 28 46.6	7.511	.061	21.1	148 149	64 720	

(a) *s* 10s ★ 9.4 0′7S. (b) *s* 3s ★ 9.2 0′4N. (c) *p* 6s ★ 9.5 1′S. (d) *s* 6s ★ 9.7 0′7N. (e) *s* 2s ★ 9.4 0′3N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
851	9.1	$7^h28^m14^s.82$	+0.4616	−.0181	−64°37′ 3″.6	− 7″.529	−″.059	20.1	58 59 66	64°722	
852	7.2	28 14.91	0.4926	.0174	64 21 8.3	7.529	.063	20.1	56 64 65	64 721	
853	9.0	28 21.22	0.5102	.0171	64 12 12.5	7.537	.065	20.1	60 61 67 69	64 723	
854	9.1	28 38.56	0.4754	.0179	64 30 57.6	7.561	.061	20.1	62 63 68	64 725	
855	8.8	30 12.50	0.7461	.0128	62 2 59.4	7.687	.097	21.8	144 189 191	61 835	
856	8.7	7 30 32.53	+0.2771	−.0229	−66 11 14.9	− 7.714	−.034	21.1	148 149 153	66 706	MZ 36093
857	8.3	30 34.34	0.6232	.0153	63 16 4.1	7.717	.080	21.1	145 146 151	63 749	
858	9.2	30 40.79	0.6875	.0140	62 39 20.8	7.725	.089	20.0	56 64	62 838	
859	7.9	30 45.63	0.5202	.0174	64 12 43.1	7.732	.066	20.1	58 59 66	64 728	
860	9.1	31 24.29	0.3332	.0218	65 47 20.8	7.784	.041	20.1	61 67 69	65 773	
861	8.4	7 31 55.75	+0.6405	−.0152	−63 9 43.6	− 7.826	−.082	20.1	62 68	63 751	
862	9.0	32 27.12	0.7084	.0140	62 31 34.8	7.868	.091	21.8	144 189 191	62 843	
863	8.4	33 23.90	0.7402	.0135	62 14 57.2	7.944	.095	21.1	145 146 151	62 844	
864	9.0	33 44.44	0.6312	.0158	63 19 41.1	7.972	.081	21.1	148 149 153	63 754	
865	9.3	33 49.10	0.3789	.0213	65 31 27.4	7.978	.047	20.0	56 64	65 776	
866	9.0	7 33 56.84	+0.2943	−.0235	−66 11 25.2	− 7.988	−.036	20.1	58 59 66	66 712	
867	8.5	34 14.26	0.6811	.0148	62 52 22.3	8.012	.087	20.1	60 61 67 69	62 846	
868	9.3	34 20.79	0.3970	.0211	65 24 1.6	8.020	.049	20.1	62 63	65 779	
869	9.0	34 23.31	0.4884	.0190	64 38 22.8	8.024	.062	20.6	70 144	64 732	
870	9.0	34 31.07	0.6910	.0147	62 47 18.3	8.034	.089	21.1	145 146 151	62 848	
871	8.6	7 35 53.15	+0.5635	−.0177	−64 2 40.1	− 8.144	−.071	20.9	60 148 149 153	63 759	
872	8.4	36 0.58	0.6627	.0156	63 7 47.6	8.154	.084	20.1	56 64 65	63 760	
873	9.0	36 42.71	0.4022	.0216	65 27 24.0	8.210	.050	20.1	58 59 66	65 783	
874	9.2	36 45.96	0.5634	.0179	64 5 1.5	8.214	.071	20.1	61 67 69	63 761	
875	8.7	36 56.45	0.7674	.0136	62 7 59.7	8.228	.098	20.4	62 63 151	62 854	MZ 8884
876	9.0	7 37 0.15	+0.5873	−.0174	−63 52 41.9	− 8.233	−.074	20.6	70 144	63 762	
877	7.9	37 9.54	0.3686	.0226	65 44 42.9	8.245	.045	21.1	145 146 151	65 785	D
878	9.0	37 20.64	0.7739	.0135	62 5 4.2	8.260	.099	21.1	148 149 153	61 856	
879	8.1	37 21.22	0.6005	.0172	63 46 25.2	8.261	.076	20.0	56 64	63 763	
880	8.6	37 27.24	0.6411	.0163	63 23 59.8	8.269	.081	20.1	58 59 66	63 764	
881	8.7	7 37 35.10	+0.7595	−.0139	−62 14 37.5	− 8.279	−.097	20.1	61 67 69	62 857	
882	8.9	37 37.35	0.4276	.0212	65 17 17.2	8.282	.053	20.1	62 63	65 786	MZ 26126
883	8.9	38 13.19	0.5648	.0181	64 8 8.8	8.330	.071	20.6	70 144	64 736	
884[a]	8.3	38 16.26	0.6604	.0160	63 15 14.4	8.334	.084	21.1	145 146 153	63 768	
885	8.6	39 40.59	0.5529	.0188	64 18 29.9	8.445	.069	21.1	148 149 153	64 738	
886	8.1	7 40 14.82	+0.6773	−.0161	−63 11 0.5	− 8.491	−.086	20.0	56 64	63 774	
887	8.6	40 31.36	0.7428	.0147	62 33 9.1	8.513	.094	20.1	58 59 66	62 867	
888	8.5	40 32.93	0.7795	.0140	62 10 47.7	8.515	.099	20.1	60 61 67 69	62 868	
889	8.7	40 34.33	0.5851	.0182	64 3 37.5	8.516	.073	20.1	62 63 68	63 778	
890	8.9	41 12.08	0.7227	.0153	62 47 8.0	8.566	.091	20.6	70 144	62 871	
891	8.4	7 41 15.77	+0.4078	−.0227	−65 36 34.6	− 8.571	−.050	21.1	145 146 151	65 796	
892	8.8	41 26.87	0.6962	.0159	63 3 27.3	8.586	.088	20.0	56 64	62 872	
893	8.6	41 27.61	0.4419	.0219	65 20 21.2	8.587	.054	21.1	148 149 153	65 797	
894	9.0	42 9.13	0.6513	.0170	63 31 18.0	8.641	.082	20.1	58 59 66	63 784	
895	9.1	42 15.36	0.3435	.0247	66 9 45.0	8.650	.041	20.1	60 67 69	66 736	
896	8.4	7 42 45.98	+0.6862	−.0164	−63 13 7.0	− 8.690	−.086	20.1	62 63 68	63 788	DA 4004
897	8.6	42 52.66	0.6978	.0162	63 6 41.0	8.699	.087	20.6	70 144	62 875	
898	8.2	43 46.17	0.7862	.0144	62 16 9.3	8.769	.099	21.1	145 146 151	62 878	
899	7.2	44 15.45	0.3897	.0240	65 53 21.2	8.807	.047	20 1	58 59 66	65 806	
900	8.6	44 18.36	0.7950	.0143	62 12 18.3	8.811	.100	20.0	56 64	62 880	MZ 8906

(a) p 25ˢ 0′28.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
901	9.1	7h44m18s.36	+0s.4627	−s.0221	−65°17′49″.9	− 8″.811	−″.056	21.1	148 149 153	65°805	
902	9.2	44 41.29	0.7068	.0163	63 6 46.3	8.841	.088	20.1	60 67 69	62 882	
903	7.9	44 42.28	0.6121	.0185	64 0 35.4	8.842	.076	20.1	62 68	63 797	
904	9.0	44 48.34	0.7259	.0159	62 55 49.2	8.850	.091	20.6	70 144	62 884	
905	9.0	45 10.61	0.5916	.0191	64 13 10.3	8.879	.073	21.1	145 146 151	64 751	
906	8.9	7 45 39.00	+0.7393	−.0158	−62 50 23.3	− 8.917	−.092	21.1	148 149 153	62 886	
907	8.7	46 41.90	0.6968	.0169	63 18 36.1	8.998	.086	20.0	56 64	63 807	
908	8.7	46 53.46	0.6748	.0175	63 31 52.8	9.014	.084	20.1	58 66	63 809	
909	9.0	47 45.06	0.8101	.0146	62 13 32.8	9.081	.101	20.1	60 67 69	62 894	
910[a]	7.9	47 47.92	0.6829	.0175	63 29 56.8	9.084	.084	20.1	62 63 68	63 815	*Dh* 4014
911	8.4	7 47 52.70	+0.5600	−.0205	−64 37 59.9	− 9.091	−.068	20.6	70 144	64 757	
912	8.9	47 59.04	0.5315	.0213	64 53 15.7	9.099	.065	21.1	145 146 151	64 758	
913[b]	9.3	48 1.26	0.6808	.0176	63 31 50.1	9.102	.084	21.1	148 149 153	63 816	
914[c]	9.0	48 5.83	0.6796	.0176	63 32 43.8	9.108	.084	20.0	56 64	63 817	
915	8.7	48 50.17	0.4480	.0237	65 37 59.6	9.165	.054	20.1	58 66	65 826	
916	6.2	7 49 11 23	+0.4042	−.0250	−66 0 15.0	− 9.193	−.048	20.1	60 61 67 69	65 827	F. Vol. 19 G
917	8.8	49 28.11	0.6440	.0187	63 57 5.5	9.214	.079	20.1	63 68	63 821	
918	8.7	49 58.47	0.7817	.0156	62 38 8.8	9.254	.097	21.8	70 189 191	62 902	
919	9.0	50 9.24	0.4483	.0240	65 41 42.2	9.267	.054	21.1	145 146 151	65 829	
920[d]	7.8	50 16.65	0.7733	.0158	62 44 13.5	9.277	.096	21.1	148 149 153	62 903	MZ 8923
921	8.1	7 50 52.83	+0.7788	−.0158	−62 42 50.3	− 9.324	−.096	20.0	56 64	62 904	
922	7.8	51 19.98	0.6385	.0193	64 5 55.0	9.359	.078	20.1	58 59 66	63 828	
923	9.0	51 31.32	0.5277	.0222	65 5 47.6	9.373	.064	20.1	60 61 67 69	64 762	
924[e]	8.6	52 11.99	0.5618	.0214	64 50 4.9	9.426	.068	20.6	70 144	64 769	
925	8.4	52 13.69	0.8390	.0147	62 9 42.6	9.428	.104	20.1	62 63 68	62 906	
926	8.8	7 52 16.50	+0.8433	−.0146	−62 7 8.2	− 9.432	−.104	21.1	145 146 151	61 909	
927	8.8	52 30.43	0.6011	.0205	64 30 4.1	9.449	.073	21.1	148 149 153	64 773	
928	8.8	52 40.99	0.7018	.0179	63 34 20.2	9.463	.086	20.4	56 64 153	63 832	
929	8.0	52 45.80	0.8398	.0147	62 10 58.9	9.469	.104	20.1	58 59 66	62 908	
930[f]	8.3	52 49.59	0.7150	.0177	63 27 8.7	9.474	.087	20.1	60 61 67 69	63 834	
931	8.8	7 53 31.35	+0.5800	−.0213	−64 44 33.2	− 9.528	−.070	20.1	62 63 68	64 776	
932	8.8	53 36.61	0.7948	.0159	62 41 55.6	9.535	.097	20.6	70 144	62 913	
933	8.6	54 48.51	0.8541	.0147	62 8 44.3	9.627	.105	21.1	145 146 151	62 917	MZ 8930
934	9.2	55 4.40	0.6151	.0207	64 30 35.2	9.647	.074	21.1	148 149 153	64 784	
935	9.1	55 9.35	0.5511	.0224	65 4 51.9	9.653	.066	20.0	56 64	64 785	
936	9.0	7 55 20.18	+0.8531	−.0148	−62 11 9.5	− 9.667	−.105	20.1	58 59 66	62 920	
937	8.9	55 59.81	0.5178	.0236	65 24 40.6	9.718	.062	20.1	60 61 67 69	65 843	
938	6.5	56 15.34	0.7703	.0169	63 5 37.2	9.737	.094	20.1	62 63 68	62 925	
939[g]	9.2	56 17.52	0.7008	.0187	63 46 39.4	9.740	.085	20.6	70 144	63 852	
940	8.6	56 27.34	0.7296	.0180	63 30 29.7	9.753	.089	21.1	145 146 151	63 853	
941	9.0	7 56 35.36	+0.6225	−.0208	−64 31 27.5	− 9.763	−.075	21.1	148 149 153	64 788	
942	8.9	56 47.53	0.6678	.0196	64 7 0.5	9.778	.081	20.0	56 64	63 855	
943	9.0	57 1.55	0.4976	.0244	65 38 8.8	9.796	.059	20.1	58 59 66	65 845	
944	9.2	57 4.74	0.7257	.0182	63 34 50.3	9.800	.088	20.1	61 67 69	63 857	
945	7.2	57 5.41	0.4898	.0246	65 42 15.5	9.801	.058	20.1	62 63 68	65 846	
946	9.2	7 57 6.67	+0.7820	−.0168	−63 1 29.8	− 9.803	−.095	21.6	144 189	62 930	
947	8.2	57 18.51	0.7928	.0166	62 55 35.7	9.818	.096	21.1	145 146 151	62 932	
948	8.8	57 42.93	0.5982	.0217	64 48 14.5	9.849	.071	21.6	148 189	64 793	
949	9.1	57 46.16	0.6694	.0198	64 9 21.6	9.853	.080	21.1	64 191	64 792	
950	8.5	57 59.74	0.6511	.0203	64 20 19.2	9.870	.078	20.1	58 59 66	64 794	

(a) *s* 1s ★ 9.3 0′1S, *s* 13s ★ 9.0 1′7S. (b) *s* 4s ★ 9.0 1′S. (c) *p* 4s ★ 9.5 1′N. (d) *p* 33s ★ 9.6 1′5N. (e) *p* 20s ★★ N y S.
(f) = α ★ 9.5 1′8S. (g) *s* 14s ★ 9.7 0′1N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
951	9.5	7h58m 3s.49	+0s.7469	−s.0179	−63°25′43″.2	− 9″.875	−″.090	20.1	60 61 67 69	63°861	
952	8.8	58 47.89	0.4701	.0256	65 57 24.9	9.931	.055	20.1	62 63 68	65 852	
953	9.1	58 53.47	0.5570	.0231	65 13 47.3	9.938	.066	20.6	70 144	65 853	
954	9.5	59 8.55	0.7681	.0175	63 16 48.5	9.957	.093	21.1	145 146 151	63 865	[Carinae D (D′)
655	5.2	59 23.27	0.7615	.0177	63 21 33.7	9.976	.092	21.1	148 149 153	63 866	L 3154, 77 G
956	9.0	7 59 30.77	+0.6493	−.0207	−64 26 22.9	− 9.985	−.078	20.0	56 64	64 800	
957	8.7	59 37.43	0.6287	.0213	64 38 4.6	9.994	.075	20.1	58 59 66	64 801	
958	8.5	8 0 15.18	0.8926	.0147	62 2 51.3	10.042	.108	21.1	145 146 151	61 951	
959	9.2	0 23.62	0.8249	.0163	62 46 32.5	10.052	.099	19.8	1 2 153	62 940	
960	8.9	0 35.00	0.8383	.0160	62 38 46.4	10.067	.101	20.8	61 148 149	62 941	
961	8.8	8 0 41.86	+0.8797	−.0150	−62 12 50.3	−10.075	−.106	19.6	3 60	62 942	
962	9.1	0 44.33	0.5830	.0228	65 6 16.2	10.078	.069	19.8	6 64 69	64 807	
963	9.1	1 2.66	0.7773	.0176	63 17 52.5	10.101	.093	19.8	5 62 66	63 873	
964[a]	9.1	1 15.46	0.7638	.0180	63 26 43.7	10.117	.091	19.8	7 67 71	63 874	
965	8.8	1 54.30	0.5590	.0238	65 22 41.1	10.166	.066	19.8	8 70 72	65 857	
966	7.9	8 1 55.80	+0.5088	−.0252	−65 48 21.3	−10.168	−.059	19.9	9 73 75	65 858	
967	9.1	2 19.60	0.5922	.0229	65 6 44.9	10.198	.070	19.4	1 2 58	64 811	
968	8.6	3 0.03	0.6734	.0207	64 24 54.9	10.249	.080	19.6	4 61	64 815	
969	8.7	3 12.57	0.4781	.0266	66 7 47.5	10.265	.055	19.8	3 59 60	65 862	
970	8.0	3 26.58	0.8567	.0160	62 37 28.8	10.282	.103	20.3	5 62 64 66(1)	62 952	MZ 8952
971	6.6	8 3 39.06	+0.8583	−.0160	−62 37 16.2	−10.298	−.103	20.4	6 62 64 66(2)	62 953	DΔ 62, D² Car.
972[b]	9.1	3 51.65	0.7665	.0184	63 34 22.1	10.313	.091	19.8	7 67 71	63 885	
973	9.3	4 20.38	0.7124	.0199	64 7 34.6	10.349	.084	19.4	1 2 58	63 886	
974	9.2	4 40.10	0.6868	.0207	64 23 16.6	10.374	.081	19.8	8 70 72	64 817	
975	8.0	5 10.62	0.7141	.0201	64 9 36.1	10.412	.084	19.9	9 73 75	64 819	
976	8.5	8 5 12.03	+0.6398	−.0222	−64 51 6.1	−10.414	−.075	19.8	6 64 69	64 820	
977	9.2	5 19.15	0.5887	.0237	65 18 48.4	10.423	.068	19.8	4 61 65	65 869	
978	9.0	5 20.19	0.5241	.0257	65 52 6.7	10.424	.060	19.8	3 59 60	65 870	
979	7.6	5 36.68	0.8044	.0177	63 17 55.2	10.444	.095	19.8	7 67 71	63 892	
980	7.8	6 51.74	0.5477	.0253	65 45 23.2	10.538	.063	19.6	2 58	65 876	Vol. L 3225
981	6.4	8 7 26.16	+0.7876	−.0185	−63 34 47.2	−10.580	−.093	19.8	5 62 66	63 896	
982	8.0	8 20.85	0.6926	.0213	64 33 14.1	10.648	.081	19.8	4 61 65	64 828	
983[c]	8.9	8 25.01	0.7406	.0199	64 6 7.6	10.653	.087	19.8	8 70 72	63 901	
984	8.8	9 38.56	0.7770	.0191	63 49 23.2	10.744	.091	19.9	9 73 75	63 905	
985	8.5	9 40.75	0.8889	.0162	62 40 30.7	10.747	.104	19.8	5 62 66	62 967	MZ 8962
986	9.2	8 9 52.09	+0.8959	−.0160	−62 36 43.5	−10.760	−.105	19.8	6 64 69	62 969	
987[d]	9.3	9 52.53	0.5641	.0256	65 47 36.2	10.761	.064	19.8	7 67 71	65 884	
988[e]	8.8	10 17.72	0.7342	.0205	64 16 51.1	10.792	.085	19.7	4 65	64 832	Dh 4071
989	8.4	11 51.33	0.7985	.0189	63 44 59.8	10.907	.093	19.8	3 59 60	63 909	
990	9.2	12 19.13	0.6529	.0233	65 9 46.2	10.941	.075	20.3	1 58 149 151	65 891	
991	8.1	8 12 19.77	+0.9432	−.0152	−62 15 31.6	−10.941	−.110	19.8	6 64 69	62 978	D Innes 167
992	9.2	12 22.30	0.6995	.0219	64 44 17.9	10.945	.081	19.8	5 62 66	64 836	
993	8.9	12 36.89	0.7921	.0193	63 51 47.0	10.962	.092	19.7	4 65	63 912	
994	8.4	12 48.56	0.9508	.0150	62 12 22.0	10.977	.111	19.8	7 67 71	62 980	
995	9.1	13 12.17	0.9475	.0152	62 16 10.7	11.005	.110	19.8	8 70 72	62 982	
996	8.7	8 13 25.76	+0.6015	−.0252	−65 41 9.7	−11.022	−.068	19.8	9 73 75	65 894	
997	9.1	13 25.77	0.5889	.0256	65 47 46.4	11.022	.066	19.8	3 59 60	65 895	
998	8.7	13 40.98	0.7850	.0196	64 0 8.5	11.040	.091	20.9	158 189 191	63 915	[Carinae C
999	5.7	14 7.91	0.9154	.0161	62 41 2.3	11.073	.106	19.8	8 70 72	62 985	DL 3275, 84 G
1000[f]	8.8	14 54.37	0.7674	.0204	64 15 15.9	11.130	.088	20.1	64 69	64 840	

(a) *s* 8s ★ 9.4 1′7N. (b) *p* 18s ★ 9.2 = *e*, *p* 11s ★ 9.3 0′2S. (c) *s* 13s ★ 9.6 0′9S. (d) *p* 15s ★ 9.6 0′7N. (e) *p* 1s ★ 9.0 0′1S. (f) *s* 24s ★ 8.5 1′1S. (1) 69, 151, 153. (2) 69, 149, 151, 153.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1001	8.7	8h14m54s.41	+0s.9699	−s.0148	−62° 8′ 8″.4	−11″.130	−″.112	21.1	148 149 151	61°1000	
1002	8.7	15 17.77	0.7681	.0204	64 16 23.3	11.158	.088	19.8	7 67 71	64 842	
1003	7.9	15 49.07	0.7822	.0201	64 10 10.3	11.196	.090	19.9	9 73 75	64 843	
1004	7.0	15 53.41	0.8046	.0195	63 57 11.9	11.201	.092	19.8	4 61 65	63 922	
1005	8.9	16 19.17	0.9341	.0160	62 37 47.8	11.232	.108	20.8	58 149 151	62 992	MZ 8974
1006	8.9	8 16 23.85	+0.6525	−.0242	−65 25 22.5	−11.238	−.074	19.8	3 59 60	65 903	Vol. G 11172
1007	9.1	16 55.64	0.8101	.0195	63 58 4.5	11.276	.092	19.8	6 64 69	63 924	
1008	8.9	17 1.67	0.6629	.0240	65 22 12.9	11.283	.075	19.8	5 62 66	65 905	
1009	8.8	17 6.58	0.6942	.0230	65 5 24.6	11.289	.078	19.8	8 70 72	64 847	
1010	8.7	17 26.02	0.5618	.0275	66 16 33.8	11.313	.062	21.1	148 151 153	66 819	
1011	6.0	8 17 29.25	+0.6654	−.0241	−65 22 38.7	−11.317	−.075	19.9	9 73 75	65 907	L 3313, 24 G Vol.
1012	8.7	18 7.40	0.7067	.0229	65 2 28.1	11.362	.080	19.8	4 61 65	64 850	
1013	9.0	18 45.33	0.7611	.0213	64 34 13.6	11.408	.086	19.8	3 59 60	64 852	
1014[a]	9.1	18 50.80	0.8532	.0186	63 39 40.6	11.415	.097	19.8	7 67 71	63 929	
1015	8.5	19 5.48	0.8929	.0175	63 15 53.1	11.432	.102	19.8	6 64 69	63 932	
1016	9.1	8 19 12.17	+0.8119	−.0198	−64 6 11.9	−11.440	−.092	21.2	5 62 66 197[1]	63 934	
1017	9.0	19 14.53	0.8901	.0176	63 18 17.5	11.443	.102	19.6	1 58	63 933	
1018[b]	8.8	19 19.02	0.5781	.0274	66 15 28.4	11.448	.064	21.1	148 151	66 826	
1019	9.0	19 28.45	0.7974	.0203	64 15 56.0	11.460	.090	19.9	9 73 75	64 854	
1020	8.3	19 29.17	0.8469	.0188	63 46 11.1	11.461	.096	19.8	8 70 72	63 936	
1021	8.0	8 19 39.23	+0.9978	−.0147	−62 9 12.9	−11.472	−.114	21.1	149 153	61 1011	
1022	8.6	19 40.25	0.8424	.0190	63 49 45.5	11.474	.095	19.8	4 61 65	63 938	
1023	6.7	20 5.11	0.8416	.0191	63 51 54.0	11.503	.095	19.8	7 67 71	63 940	
1024	9.1	21 16.79	0.6532	.0234	65 14 14.3	11.589	.079	19.8	3 59 60	65 918	
1025	8.3	21 22.01	0.7040	.0236	65 16 56.2	11.595	.078	19.8	6 64 69	65 920	
1026	9.0	8 21 25.49	+0.6056	−.0269	−66 9 37.4	−11.599	−.067	21.1	149 151 153	66 842	
1027	9.0	21 31.35	0.6407	.0257	65 51 41.7	11.606	.071	19.8	5 62 66	65 922	
1028	9.2	21 47.43	0.9679	.0158	62 38 43.6	11.625	.110	19.9	9 73 75	62 1009	
1029	8.4	21 58.62	0.8901	.0180	63 29 51.9	11.639	.100	20.1	61 65	63 952	
1030	8.9	22 29.46	0.7487	.0224	64 56 33.1	11.675	.083	19.8	7 67 71	64 865	
1031	9.0	8 23 43.93	+0.9607	−.0163	−62 51 59.9	−11.763	−.108	19.9	9 73 75	62 1018	MZ 8990
1032	8.8	24 21.78	0.9844	.0157	62 39 1.8	11.808	.111	19.8	3 59 60	62 1020	
1033	9.4	24 36.20	0.9102	.0178	63 28 32.4	11.825	.102	19.8	6 64 69	63 969	
1034	8.5	24 47.03	0.8411	.0199	64 12 8.5	11.838	.094	20.8	58 149 151	64 876	
1035	6.7	24 50.32	0.8263	.0204	64 21 12.8	11.841	.092	19.8	9 73 75	64 878	
1036	4.6	8 24 55.61	+0.6639	−.0257	−65 53 10.8	−11.848	−.073	21.5	65 189 191	65 933	F. β Volantis
1037	9.0	25 30.61	0.6568	.0261	65 59 18.5	11.889	.072	19.8	7 67 71	65 939	
1038	9.1	27 39.31	0.8174	.0212	64 38 40.0	12.039	.090	20.3	5 62 66 149[2]	64 894	
1039	8.1	28 11.78	0.9766	.0164	63 1 31.2	12.077	.108	19.8	7 67 71	62 1030	
1040	9.0	28 50.97	0.9367	.0177	63 30 35.4	12.123	.103	19.9	9 73 75	63 984	
1041	7.9	8 29 15.76	+1.0017	−.0158	−62 49 39.1	−12.152	−.111	19.8	6 64 69	62 1031	MZ 9002
1042	8.7	29 57.34	1.0247	.0155	62 44 6.4	12.200	.112	19.8	8 70 72	62 1035	
1043	8.8	30 9.65	0.7557	.0236	65 25 7.2	12.214	.082	19.5	1 9 75	65 958	
1044	7.7	30 18.32	1.0733	.0139	62 5 0.4	12.224	.118	21.1	148 149 187	61 1037	
1045	9.1	30 22.53	0.8463	.0207	64 33 31.8	12.229	.092	19.8	3 59 60	64 905	
1046	7.4	8 30 24.32	+0.7737	−.0231	−65 16 2.6	−12.231	−.084	19.8	5 62 66	65 959	Vol. L 3436
1047	8.9	30 30.35	0.7554	.0237	65 26 45.9	12.238	.082	19.8	2 58 73	65 960	
1048	8.6	30 54.19	0.8443	.0208	64 37 6.2	12.265	.092	19.8	7 67 71	64 906	
1049	9.1	30 59.71	0.7536	.0239	65 29 56.5	12.272	.081	20.1	61 65	65 962	
1050	9.0	31 8.41	0.7639	.0236	65 24 46.4	12.282	.082	19.8	6 64 69	65 963	

(a) *s* 10s ★ 9.1 0′1N. (b) *s* 15s ★ 9.6 = δ. (1) 198. (2) 151.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1051	8.1	$8^h32^m\ 7^s.99$	$+0^s.9530$	$-^s.0176$	$-63°35'12''.5$	$-12''.350$	$-''.104$	19.8	8 70 72	63°991	
1052	9.0	32 23.86	1.0031	.0162	63 3 27.0	12.368	.110	19.8	3 59 60	62 1043	
1053	8.8	32 51.86	1.0409	.0151	62 39 58.4	12.401	.114	19.5	1 2 58	62 1046	
1054 [a]	8.4	32 55.11	0.6846	.0268	66 15 54.0	12.404	.073	21.1	148 151	66 877	
1055 [b]	9.1	32 57.71	1.0630	.0145	62 25 3.7	12.407	.116	20.4	9 73 75 149(1)	62 1048	
1056	8.5	8 33 12.71	+0.6868	−.0267	−66 16 1.2	−12.424	−.073	21.1	148 151	66 880	
1057 [c]	8.1	34 1.99	1.0037	.0164	63 10 50.2	12.481	.109	19.8	5 62 66	63 1002	
1058	8.3	34 41.17	0.7177	.0259	66 5 58.8	12.525	.076	19.9	9 73 75	65 977	
1059	8.7	34 47.97	0.8363	.0218	64 59 33.9	12.533	.089	19.8	7 67 71	64 918	
1060	8.3	35 2.43	0.8824	.0203	64 33 6.1	12.550	.095	19.8	8 70 72	64 919	
1061	8.2	8 35 11.71	+0.8987	−.0198	−64 23 47.1	−12.560	−.096	19.5	1 2 3 59(2)	64 920	
1062	9.0	35 22.82	1.0623	.0148	62 37 22.0	12.573	.115	19.8	6 64 69	62 1055	
1063	8.0	35 38.31	0.9988	.0167	63 21 52.4	12.590	.108	19.8	4 61 65	63 1012	
1064 [d]	9.1	35 51.94	0.9419	.0185	63 59 55.1	12.606	.101	19.7	8 72	63 1014	
1065 [e]	6.0	35 59.09	1.0695	.0147	62 35 21.3	12.614	.116	19.8	5 62 66	62 1058	[Carinae DL 3475, 97 G
1066	8.5	8 36 16.80	+1.0991	−.0139	−62 15 46.7	−12.634	−.119	20.6	9 73 75 148(3)	62 1060	MZ 9017
1067	7.7	37 7.07	1.0785	.0145	62 34 41.2	12.692	.116	19.4	1 2 58	62 1063	
1068	9.0	38 0.04	0.7625	.0250	65 56 27.4	12.750	.080	19.8	6 64 69	65 987	
1069	8.7	38 2.85	0.8908	.0205	64 42 10.4	12.753	.094	19.8	3 59 60	64 925	
1070	9.1	38 7.10	1.0242	.0163	63 17 4.7	12.758	.109	19.8	5 62 66	63 1015	
1071	8.3	8 38 20.96	+1.1139	−.0137	−62 15 36.9	−12.774	−.119	19.8	4 61 65	62 1066	
1072	8.6	39 9.98	0.9126	.0199	64 34 12.8	12.829	.096	19.4	1 2 58	64 927	
1073	9.2	39 10.31	1.1262	.0134	62 10 54.5	12.829	.120	19.8	7 67 71	62 1071	
1074	8.3	39 11.48	1.0642	.0152	62 55 6.4	12.831	.113	19.8	8 70 72	62 1072	
1075	9.2	39 28.89	0.9194	.0198	64 31 31.4	12.850	.097	19.7	9 73	64 928	
1076	8.8	8 39 37.63	+0.8325	−.0228	−65 24 22.5	−12.860	−.087	19.8	6 64 69	65 995	
1077	9.1	39 50.89	0.7558	.0257	66 8 41.8	12.875	.079	19.8	5 62 66	65 1001	
1078	8.1	39 51.88	0.9661	.0183	64 3 57.8	12.876	.102	19.8	3 59 60	63 1023	
1079	8.4	41 17.63	0.8904	.0211	64 58 3.7	12.971	.093	19.8	8 70 72	64 931	
1080	8.4	41 28.94	0.8255	.0234	65 37 16.1	12.984	.086	19.8	4 61 65	65 1008	
1081	8.9	8 41 52.31	−1.0801	−.0150	−62 57 47.4	−13.010	−.114	19.8	6 64 69	62 1079	
1082	8.2	42 17.06	0.9282	.0199	64 39 49.3	13.037	.097	19.8	3 59 60	64 933	
1083	8.3	43 0.67	1.1569	.0131	62 14 59.9	13.086	.121	19.8	8 70 72	62 1086	
1084	6.8	43 27.55	0.8490	.0229	65 33 13.9	13.115	.088	19.4	1 2 58	65 1013	
1085	8.1	43 35.63	0.8636	.0224	65 25 19.9	13.124	.089	19.8	5 62 66	65 1014	
1086	9.1	8 43 38.17	+1.1115	−.0143	−62 44 51.0	−13.127	−.117	19.8	4 61 65	62 1089	MZ 9029
1087	8.9	44 10.80	0.9199	.0205	64 54 24.5	13.163	.095	19.9	9 73 75	64 934	
1088	8.0	44 20.51	1.0412	.0165	63 37 17.0	13.173	.109	19.8	8 70 72	63 1033	
1089	8.8	44 22.76	0.8268	.0239	65 50 32.8	13.176	.085	19.8	7 67 71	65 1015	
1090	9.0	44 49.75	0.8036	.0248	66 5 53.3	13.206	.082	19.8	3 59 60	65 1019	
1091	8.7	8 45 4.77	+1.0753	−.0155	−63 17 53.0	−13.222	−.112	19.8	6 64 69	63 1035	
1092	8.0	45 20.42	1.1102	.0145	62 54 50.4	13.239	.116	19.5	1 2 58	62 1095	
1093	8.3	45 32.96	0.7924	.0254	66 15 38.5	13.253	.081	21.1	148 149 151	66 915	
1094	7.9	45 51.49	1.0605	.0160	63 32 7.4	13.273	.110	19.8	5 62 66	63 1038	
1095	8.7	46 2.25	0.9584	.0194	64 39 55.2	13.285	.099	19.8	4 61 65	64 942	
1096	8.7	8 46 57.88	+1.1024	−.0149	−63 9 4.2	−13.346	−.114	19.5	1 2 58	62 1102	
1097	7.5	47 14.22	0.9212	.0209	65 9 5.6	13.363	.094	19.8	8 70 72	64 946	Vol. I. 3588
1098	8.8	47 17.31	1.0668	.0161	63 35 30.2	13.367	.110	19.9	9 73 75	63 1043	
1099	9.1	47 29.23	0.9450	.0201	64 55 45.9	13.379	.096	19.8	7 67 71	64 947	
1100	8.8	47 47.82	0.9357	.0204	65 3 4.7	13.400	.095	19.8	3 59 60	64 949	

(a) *s* 18^s ★ 8.5 0'1S. (b) *s* 10^s ★ 9.6 1'8N. (c) *p* 18^s ★ 8.4 0'1N. (d) *p* 24^s ★ 9.2 0'6S. (e) D *h* 4125. (1) 153.
(2) 60. (3) 149, 151, 153.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1101	8.2	8h48m 2s.04	+0s.9887	—s.0186	−64°31′ 3″.9	−13″.415	—″.101	20.1	64 69	64°951	
1102	8.8	48 2.59	0.9151	.0212	65 16 58.3	13.416	.093	19.8	5 62 66	65 1029	
1103	7.8	48 8.40	1.1876	.0124	62 13 35.9	13.422	.123	19.8	4 61 65	62 1104	
1104	8.7	48 14.84	1.0210	.0176	64 11 14.2	13.429	.105	19.5	1 2 58	64 952	
1105	7.8	48 15.05	1.1333	.0140	62 54 5.3	13.428	.117	19.9	9 73 75	62 1105	MZ 9039
1106	8.7	8 48 54.80	+1.1745	—.0129	−62 27 40.8	—13.471	—.121	19.8	8 70 72	62 1109	
1107	9.1	49 15.86	1.1460	.0138	62 50 32.1	13.494	.117	20.1	67 71	62 1111	
1108	9.1	49 18.15	1.0018	.0184	64 29 16.6	13.496	.102	19.8	3 59 60	64 957	
1109	9.1	49 39.02	0.9074	.0218	65 29 52.9	13.519	.092	20.7	62 66 148 149(1)	65 1039	
1110	8.5	49 40.68	0.9781	.0193	64 46 29.4	13.521	.099	20.1	64 69	64 958	
1111	9.3	8 50 8.13	+1.1894	—.0125	−62 23 24.9	—13.550	—.122	19.7	4 65	62 1114	
1112	9.3	50 19.12	1.1881	.0126	62 25 24.4	13.562	.122	19.5	1 2 58	62 1115	
1113[a]	8.8	50 31.00	1.1090	.0150	63 23 50.1	13.575	.113	20.2	73 75	63 1054	Dh 4152
1114	8.9	50 44.87	1.1288	.0144	63 11 6.0	13.590	.115	19.8	8 70 72	62 1118	
1115	9.1	51 0.72	1.1234	.0146	63 16 25.7	13.607	.114	20.6	6 64 69 198	63 1055	
1116	8.0	8 51 4.44	+1.1815	—0.129	−62 34 36.1	—13.611	—.120	19.8	3 59 60	62 1120	
1117	8.2	51 10.81	1.1207	.0147	63 19 16.9	13.617	.114	19.8	5 62 66	63 1056	
1118	8.4	51 13.10	1.0193	.0179	64 28 15.7	13.620	.103	19.8	7 67 71	64 963	
1119	8.8	53 10.83	1.1256	.0147	63 27 2.4	13.745	.114	19.8	4 61 65	63 1060	
1120[b]	8.9	53 39.42	1.1984	0.126	62 36 50.7	13.776	.121	19.8	3 59 60	62 1127	MZ 11221
1121	8.7	8 54 34.06	+1.1341	—.0146	−63 28 54.0	—13.833	—.113	19.5	1 2 58	63 1067	
1122	9.0	54 48.29	1.0583	.0171	64 22 19.3	13.848	.105	19.8	7 67 71	64 971	
1123	8.6	54 52.58	1.1623	.0137	63 10 27.3	13.853	.116	19.9	9 73 75	62 1136	
1124	8.8	54 58.83	1.0694	.0168	64 15 52.9	13.859	.107	20.1	64 69	64 972	
1125	7.8	55 12.97	1.1989	.0127	62 45 31.3	13.874	.120	19.8	5 62 66	62 1138	
1126	7.2	8 55 14.26	+1.1585	—.0139	−63 15 20.4	—13.876	—.116	19.8	8 70 72	63 1069	
1127	8.5	55 29.02	1.0313	.0182	64 43 52.2	13.891	.102	19.5	1 2 58	64 974	
1128	8.5	55 55.95	1.1682	.0137	63 12 21.1	13.919	.116	19.8	6 64 69	63 1072	
1129	8.9	55 58.75	1.2171	.0122	62 36 22.9	13.922	.121	19.9	9 73 75	62 1141	
1130	9.0	56 11.04	1.1343	.0148	63 38 3.4	13.935	.113	19.8	4 61 65	63 1074	
1131[c]	7.7	8 56 12.72	+0.9237	—.0223	−65 54 50.2	—13.937	—.091	19.7	5 66	65 1056	Dh 4164
1132	8.6	56 15.79	1.1537	.0142	63 24 43.5	13.940	.115	19.8	3 59 60	63 1075	
1133	8.9	56 18.47	1.0142	.0189	64 59 29.5	13.943	.100	19.8	8 70 72	64 976	
1134	7.3	57 24.58	1.0922	.0163	64 14 15.9	14.012	.108	19.7	1 7 67 71	64 978	
1135	8.9	57 24 55	1.0737	.0170	64 26 42.2	14.012	.106	20.4	2 58 149 151	64 979	
1136	9.2	8 57 39.27	+1.1445	—.0146	−63 39 20.5	—14.027	—.113	19.8	6 64 69	63 1078	
1137	7 0	57 52.45	1.1865	.0133	63 10 25.2	14.041	.117	20.2	9 73 75 148	62 1145	
1138[d]	8.4	58 35.13	1.2302	.0120	62 41 59.9	14.085	.122	19.8	4 61 65	62 1148	
1139	8.8	59 12.60	0.9370	.0222	66 3 17.6	14.124	.091	19.8	3 59 60	65 1060	Dh 4167
1140	7.5	59 58.71	1.0794	.0171	64 37 43.1	14.172	.105	19.8	8 70 72	64 984	
1141	8.6	9 0 30.02	+1.0950	—.0166	−64 30 15.0	—14.204	—.106	20.2	1 2 149 151	64 985	
1142	8.6	0 46.09	0.9374	.0225	66 11 40.9	14.221	.090	19.8	6 64 69	65 1063	
1143	4.7	1 76.00	0.9520	.0220	66 5 46.6	14.252	.091	19.8	7 67 71	65 1065	F. α Volantis
1144[e]	8.5	1 24.80	1.1956	.0133	63 24 55.2	14.260	.116	19.8	4 61 65	63 1084	
1145[f]	8.0	1 34.75	1.3033	.0100	62 3 17.2	14.271	.127	21.1	148 149	61 1167	Dh 4175
1146	7.6	9 2 25.84	+1.1222	—.0158	−64 23 10.1	—14.323	—.108	19.8	9 73 75	64 993	
1147	8.8	3 24.15	1.2348	.0122	63 8 2.7	14.382	.119	20.5	2 149 151	62 1163	
1148	9.0	3 29.01	1.2862	.0106	62 28 56.6	14.387	.124	19.8	6 64 69	62 1164	
1149	8.3	3 35.40	1.1663	.0144	63 59 18.6	14.394	.112	19.8	4 61 65	63 1088	
1150	9.5	3 54.62	1.1197	.0161	64 33 45.3	14.413	.107	19.8	7 67 71	64 998	

(a) D l s. (b) s 1m ★ 10.0 1′S. (c) s 1m ★ 9.0 0′2S. (d) s 15s ★ 9.6 0′2S. (e) s 4s ★ 9.2 0′7N. (f) D s 3s 0′38.
(1) 151.

N°	M.	α 1925.0	Prec.	Var. Sec	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1151[a]	8.8	9h 4m 11s.87	+1s.1142	--s.0163	−64°39′13″.4	−14″.431	−″.106	19.9	9 73 75	64°1000	
1152[b]	9.3	4 24.08	0.9599	.0222	66 18 46.9	14.443	.091	22.0	148 192 193 194	66 973	
1153	7.2	4 41.00	1.1580	.0148	64 11 53.5	14.460	.111	19.8	8 70 72	63 1093	
1154	8.9	4 50.45	1.0990	.0169	64 53 19.2	14.470	.105	20.5	3 149 151	64 1002	
1155	8.1	5 8.47	1.2947	.0104	62 32 49.0	14.488	.124	19.8	5 62 66	62 1168	
1156[c]	9.1	9 5 14.21	+1.1259	−.0160	−64 37 33.9	−14.493	−.107	19.8	7 67 71	64 1003	
1157[d]	8.6	5 38.57	1.0169	.0201	65 51 10.6	14.518	.096	20.6	65 148	65 1079	
1158	8.8	5 44.33	1.0799	.0177	65 11 23.1	14.524	.102	19.8	6 64 69	64 1004	
1159	9.1	6 6.41	1.2993	.0103	62 35 25.3	14.546	.124	19.8	1 2 151	62 1173	
1160[e]	9.0	6 17.54	1.2193	.0129	63 37 45.2	14.557	.116	19.9	9 73 75	63 1095	
1161	8.9	9 8 10.26	+1.2459	−.0121	−63 29 55.3	−14.670	−.117	19.8	1 2 151	63 1100	
1162	9.1	8 25.72	1.0070	.0209	66 13 47.8	14.685	.094	21.1	148 149	66 978	
1163	7.7	8 45.35	1.1083	.0170	65 11 1.3	14.704	.104	19.8	6 64 69	64 1008	Car. L 3752
1164	9.1	9 39.14	1.3249	.0096	62 38 14.4	14.758	.124	19.8	7 67 71	62 1188	
1165	9.0	9 54.02	1.2561	.0119	63 33 22.0	14.772	.117	19.8	4 61 65	63 1103	
1166	9.0	9 10 4.19	+1.0891	−.0179	−65 31 46.5	−14.782	−.101	19.8	8 70 72	65 1087	
1167	8.2	10 24.90	1.1502	.0156	64 53 0.2	14.803	.107	20.5	3 149 151	64 1011	
1168	8.5	10 42.80	1.3360	.0094	62 36 23.5	14.820	.125	20.7	1 2 192 194	62 1192	MZ 11267
1169	8.6	11 17.76	1.1109	.0172	65 25 3.8	14.854	.102	20.1	6 64 69	65 1091	
1170[f]	8.9	11 27.08	1.3610	.0087	62 20 58.9	14.863	.127	19.8	5 62 66	62 1194	
1171[g]	8.6	9 11 29.39	+1.3784	−.0082	−62 6 42.8	−14.866	−.128	21.7	151 193	61 1208	
1172	8.8	11 57.04	1.2476	.0123	63 53 14.2	14.893	.115	19.8	7 9 67 71(1)	63 1106	
1173	8.9	12 26.07	1.2376	.0127	64 3 48.6	14.921	.114	19.8	4 61 65	63 1109	
1174	8.9	12 26.29	1.2521	.0122	63 53 6.3	14.921	.115	20.2	67 73 75	63 1108	
1175[h]	8.3	12 35.01	1.2929	.0109	63 22 59.7	14.930	.119	19.8	8 70 72	63 1110	
1176[i]	8.0	9 12 35.51	+1.3653	−.0086	−62 25 11.0	−14.930	−.126	20.7	3 192	62 1200	
1177	9.3	12 48.80	1.0853	.0183	65 51 16.9	14.943	.099	20.5	2 149 151	65 1093	
1178	7.9	12 54.61	1.1853	.0146	64 44 30.8	14.949	.109	19.8	5 62 66	64 1017	
1179	9.2	12 54.69	1.3354	.0095	62 51 43.8	14.949	.123	20.1	64 69	62 1202	
1180	8.6	13 3.22	1.2610	.0119	63 50 28.1	14.957	.116	20.1	67 71	63 1112	
1181	8.8	9 13 4.72	+1.1148	−.0172	−65 33 42.0	−14.959	−.102	19.9	9 73 75	65 1095	
1182[j]	8.7	13 26.97	1.0972	.0180	65 47 33.1	14.980	.100	20.1	61 65	65 1096	
1183	9.1	13 57.44	1.3403	.0094	62 54 58.0	15.010	.123	19.9	8 60 72	62 1205	
1184	8.5	14 28.48	1.3706	.0085	62 33 53.7	15.040	.126	21.2	3 192 193	62 1209	
1185	8.7	14 51.62	1.3883	.0080	62 21 51.3	15.062	.127	20.2	2 151	62 1212	
1186	8.6	9 15 10.81	+1.4079	−.0074	−62 7 29.3	−15.080	−.129	21.9	148 192 194	61 1224	
1187	7.2	15 17.69	1.3107	.0104	63 27 35.9	15.087	.119	19.9	9 73 75	63 1114	
1188	9.0	15 22.23	1.4095	.0074	62 7 29.3	15.091	.129	21.9	148 192 194	61 1226	
1189	9.1	15 33.97	1.1488	.0162	65 26 54.2	15.103	.103	19.8	5 62 66	65 1097	
1190	8.6	15 34.95	1.3773	.0083	62 36 3.1	15.104	.125	20.1	64 69	62 1214	MZ 11284
1191	8.7	9 15 53.77	+1.3453	--.0093	−63 4 19.9	−15.122	−.122	19.8	7 67 71	62 1215	
1192	9.0	16 7.43	1.0818	.0189	66 14 28.0	15.135	.097	21.1	149 151	66 1000	
1193	8.6	16 25.50	1.0721	.0193	66 22 29.1	15.152	.095	21.7	148 193	66 1001	
1194	9.1	16 38.52	1.1241	.0173	65 50 22.9	15.164	.101	20.1	61 65	65 1099	
1195	9.1	16 44.98	1.3844	.0082	62 38 25.0	15.170	.125	19.8	8 70 72	62 1217	
1196	8.6	9 16 48.52	+1.1899	−.0148	−65 6 52.9	−15.174	−.107	19.8	5 62 66	64 1022	
1197	9.0	17 30.35	1.1783	.0153	65 19 33.4	15.214	.105	20.1	64 69	65 1101	
1198	8.3	17 35.35	1.4077	.0075	62 24 53.5	15.218	.127	19.8	7 67 71	62 1219	
1199	8.1	19 6.64	1.1184	.0178	66 10 10.9	15.305	.099	21.5	2 192 193 194	65 1103	MZ 27397
1200	6.4	19 8.85	1.4438	.0065	62 5 4.6	15.307	.129	21.1	148 149 151	61 1242	L38₂3,13₂GC.k

(a) s 7ˢ ★ 9.1 0′2N. (b) D s 1ˢ 0′2N. (c) p ★ 9.5 0′1S. (d) p 6ˢ ★ 9.1 1′5S. (e) = α ★ 9.2 0′5N. (f) s 7ˢ ★ 10.0 0′5S. (g) s 8ˢ ★ 9.6 0′5S. (h) p 21ˢ ★ 9.2 0′7N. (i) s 2ˢ ★ 9.2 0′4N. (j) s 20ˢ ★ 93 = δ. (1) 75.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1201	9.1	9h19m41ṣ06	+1ṣ4057	−ṣ0076	−62°41′40″.9	−15″.337	−″.125	19.8	8 70 72	62°1223	
1202	8.9	20 0.79	1.2866	.0106	64 18 44.8	15.356	.114	19.8	4 61 65	64 1024	
1203	8.8	20 5.71	1.4051	.0076	62 45 12.3	15.360	.125	20.7	73 75 148 151	62 1224	
1204	9.0	20 9.23	1.3644	.0089	63 19 6.4	15.363	.121	19.8	7 67 71	63 1119	
1205	8.8	21 28.94	1.2273	.0138	65 12 12.9	15.438	.107	20.1	64 69	64 1028	
1206	8.8	9 22 38.61	+1.3812	−.0085	−63 23 33.5	−15.502	−.121	20.1	1 149	63 1122	
1207	8.6	22 42.51	1.1370	.0174	66 21 59.9	15.506	.098	21.1	148 151	66 1014	
1208	8.3	23 18.43	1.3117	.0098	64 23 3.1	15.539	.114	19.8	7 67 71	64 1032	
1209	7.3	23 41.94	1.2702	.0124	64 56 46.1	15.561	.110	19.8	8 70 72	64 1034	
1210[a]	8.4	24 16.97	1.3945	.0081	63 24 44.7	15.593	.121	20.1	64 69	63 1124	
1211	6.7	9 25 6.76	+1.3115	−.0109	−64 36 15.6	−15.638	−.113	20.5	1 2 199	64 1037	[Carinae L 3890, 137 G
1212	8.6	25 7.72	1.4101	.0076	63 18 12.0	15.639	.122	19.8	4 61 65	63 1126	
1213	7.9	25 49.80	1.1802	.0160	66 14 47.3	15.678	.100	21.1	148 149	66 1016	
1214[b]	9.0	26 25.35	1.2278	.0142	65 46 21.4	15.710	.104	19.8	5 62 66	65 1110	
1215	8.9	26 58.19	1.4563	.0062	62 53 7.8	15.739	.125	19.8	8 70 72	62 1239	
1216	6.6	9 27 2.86	+1.1814	−.0161	−66 22 26.6	−15.744	−.100	21.1	148 151	66 1018	
1217	8.4	27 15.35	1.4431	.0066	63 6 39.5	15.755	.123	20.1	64 69	62 1242	
1218	9.0	29 6.41	1.2480	.0135	65 51 28.9	15.855	.104	20.2	3 149	65 1111	
1219	8.7	29 27.08	1.2647	.0129	65 42 10.1	15.873	.106	19.8	8 70 72	65 1112	
1220	8.1	29 57.35	1.4108	.0077	63 54 21.7	15.900	.118	19.8	5 62 66	63 1135	
1221	7.5	9 30 2.84	+1.2118	−.0151	−66 23 13.5	−15.905	−.101	21.1	148 151	66 1025	Lac 3940
1222	9.1	30 15.32	1.4322	.0070	63 39 3.4	15.916	.120	19.8	4 61 65	63 1136	
1223	8.6	30 45.19	1.3223	.0109	65 9 41.5	15.942	.110	19.6	5 62	64 1042	
1224[c]	8.4	30 52.71	1.3329	.0105	65 2 41.4	15.949	.111	20.1	64 69	64 1043	
1225	8.4	31 50.99	1.4830	.0053	63 8 21.4	16.000	.123	19.8	8 70 72	62 1257	
1226	8.7	9 31 52.27	+1.4997	−.0048	−62 53 49.9	−16.001	−.125	20.1	3 149	62 1256	MZ 11323
1227[d]	7.7	32 46.39	1.4527	.0063	63 41 44.8	16.049	.120	19.8	5 62 66	63 1137	
1228	7.9	32 53.24	1.2931	.0120	65 47 13.2	16.055	.106	19.8	7 67 71	65 1115	
1229	8.3	33 13.06	1.3857	.0086	64 39 51.7	16.072	.114	19.2	1 2	64 1045	
1230	7.6	34 7.12	1.4279	.0072	64 13 0.5	16.119	.117	19.8	8 70 72	63 1139	
1231	7.1	9 34 20.74	+1.4006	−.0081	−64 36 51.3	−16.131	−.114	19.9	9 73 75	64 1049	
1232[e]	8.0	35 18.32	1.2946	.0121	66 4 19.8	16.180	.104	21.2	9 73 75 197(1)	65 1118	
1233	8.7	35 38.99	1.3990	.0082	64 48 26.9	16.198	.113	19.6	5 62	64 1050	
1234	8.2	36 0.86	1.2797	.0128	66 20 20.3	16.217	.103	21.1	148 151	66 1031	
1235	8.7	36 18.24	1.5340	.0038	62 59 37.5	16.232	.124	19.1	1 2	62 1267	
1236	8.5	9 36 22.32	+1.5039	−.0047	−63 26 54.0	−16.235	−.122	20.1	64 69	63 1143	
1237	7.6	36 28.54	1.5857	.0022	62 12 59.8	16.241	.129	21.7	147 192	61 1308	D Innes 203
1238	7.1	36 32.42	1.4625	.0060	64 3 48.2	16.244	.118	19.8	7 67 71	63 1144	
1239	8.8	36 40.91	1.4846	.0053	63 46 14.2	16.251	.120	19.8	4 61 65	63 1145	
1240[f]	8.6	36 51.01	1.2870	.0125	66 21 33.9	16.260	.103	21.1	148 151	66 1032	D Innes 320
1241	8.1	9 37 0.16	+1.4608	−.0061	−64 9 0.7	−16.268	−.117	20.7	3 193	63 1146	
1242	8.9	37 3.12	1.5496	.0033	62 51 38.9	16.270	.125	19.6	5 62	62 1272	
1243	8.9	37 7.76	1.4255	.0073	64 39 5.9	16.274	.114	19.8	8 70 72	64 1051	
1244	8.8	37 10.37	1.2931	.0123	66 19 42.0	16.276	.103	21.7	149 151 193 194	66 1034	
1245	7.7	37 10.93	1.5922	.0020	62 12 52.4	16.277	.128	21.7	149 192	61 1313	
1246	7.9	9 37 31.52	+1.5505	−.0032	−62 54 53.6	−16.294	−.124	19.9	9 73 75	62 1277	
1247	9.0	37 38.98	1.5527	.0032	62 53 53.6	16.301	.125	19.1	1 2	62 1278	
1248	7.2	37 47.39	1.5732	.0025	62 36 9.3	16.308	.126	19.8	6 64 69	62 1279	
1249	8.5	38 26.01	1.5752	.0025	62 39 48.6	16.340	.126	19.6	5 62	62 1280	
1250	8.8	38 26.81	1.6062	.0016	62 10 20.3	16.341	.128	21.9	148 192 194	61 1320	

(a) s 4ˢ ★ 9.5 0′9N. (b) p 40ˢ = δ. (c) p 13ˢ ★ 10.0 1′5N. (d) p 18ˢ ★ 9.3 0′2S. (e) p 20ˢ ★ 9.3 0′2S.
(f) p 52ˢ ★ 8.2 1′S, s 19ˢ ★ 8.8 2′N. (1) 198.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1251	8.3	9h38m48s.11	+1s.4345	−s.0070	−64°45′24″.2	−16″.359	−″.114	19.8	7 67 71	64°1053	
1252[a]	7.9	39 25.22	1.3655	.0096	65 44 20.4	16.390	.107	20.2	3 151	65 1124	
1253	8.7	39 28.37	1.3268	.0111	66 13 23.7	16.393	.104	19.9	9 73 75	65 1125	Car. G 13261
1254	8.6	39 50.06	1.3166	.0116	66 23 35.1	16.411	.103	21.1	148 149	66 1036	
1255	8.3	40 0.04	1.6094	.0014	62 20 51.4	16.419	.127	19.8	8 70 72	62 1285	
1256	8.0	9 40 33.42	+1.6110	−.0013	−62 24 17.6	−16.447	−.127	19.2	1 2	62 1289	
1257	9.1	41 34.83	1.5474	.0032	63 32 29.1	16.498	.121	19.8	7 67 71	63 1156	
1258[b]	9.1	42 39.41	1.6105	.0013	62 43 24.9	16.552	.125	19.8	4 61 65	62 1301	
1259[c]	9.0	42 56.33	1.5297	.0038	64 0 0.2	16.565	.118	20.1	64 69	63 1163	
1260	8.2	43 2.99	1.5096	.0044	64 18 26.1	16.571	.117	19.9	9 73 75	64 1076	R
1261	8.7	9 43 4.88	+1.4988	−.0048	−64 27 56.1	−16.573	−.116	19.1	5 62	64 1078	
1262[d]	9.0	43 9.33	1.5444	.0033	63 48 50.7	16.576	.119	21.7	151 192	63 1167	
1263	Var	43 11.09	1.6499	.0001	62 9 41.8	16.578	.128	22.3	193 194	61 1333	F. *l* Carinae
1264	8.7	43 45.05	1.4093	.0080	65 46 7.1	16.605	.108	19.9	8 70 76	65 1145	
1265[e]	8.8	44 1.65	1.6233	.0008	62 43 27.0	16.619	.125	19.8	7 67 71	62 1310	
1266	8.0	9 44 32.18	+1.5351	−.0036	−64 9 11.7	−16.644	−.117	21.3	2 192 193	63 1171	
1267	8.0	44 38.74	1.6513	.0000	62 21 42.2	16.649	.127	19.8	6 64 69	62 1315	
1268	9.1	44 40.77	1.5188	.0041	64 24 39.2	16.651	.116	19.8	4 61 65	64 1081	
1269	8.8	44 46.59	1.3864	.0089	66 12 6.3	16.655	.105	20.2	3 151	65 1149	
1270	8.4	44 53.45	1.5562	.0029	63 53 37.5	16.661	.119	19.9	9 73 75	63 1179	
1271	4.6	9 45 13.64	+1.5024	−.0046	−64 43 25.3	−16.677	−.114	19.6	5 62	64 1084	D F. ν Car.
1272[f]	8.4	45 27.22	1.6035	.0014	63 15 12.1	16.688	.122	20.2	1 2 194	63 1184	
1273[g]	8.9	45 57.71	1.5065	.0045	64 46 19.9	16.713	.114	19.8	7 67 71	64 1088	*Dh* 4252
1274[h]	9.2	45 59.18	1.6041	.0013	63 19 29.0	16.714	.122	19.8	8 70 72	63 1188	
1275	8.8	46 28.21	1.5888	.0018	63 38 7.9	16.737	.120	19.8	6 64 69	63 1189	
1276	8.9	9 46 31.06	+1.6600	+.0004	−62 30 19.9	−16.740	−.126	19.8	4 61 65	62 1320	
1277[i]	7.9	46 59.57	1.6544	.0002	62 40 19.9	16.763	.126	20.5	3 149 151	62 1324	D C6 22
1278	8.1	47 12.17	1.6485	+.0001	62 48 7.3	16.773	.124	19.9	9 73 75	62 1327	
1279	9.0	47 29.40	1.6418	−.0001	62 57 21.4	16.786	.123	19.6	5 62	62 1329	
1280	8.7	48 27.26	1.4123	.0080	66 23 23.4	16.832	.104	21.9	148 192 193	66 1098	
1281[j]	8.8	9 48 29.62	+1.4611	−.0061	−65 45 42.5	−16.834	−.108	20.2	2 151	65 1169	Carinae
1282	6.3	48 49.14	1.6882	+.0013	62 23 35.4	16.850	.126	19.8	8 70 72	62 1335	L 4066, 162 G
1283	8.3	48 55.55	1.5145	−.0042	65 5 40.9	16.855	.112	19.8	7 67 71	64 1107	
1284[k]	8.7	49 2.67	1.6646	+.0006	62 49 31.8	16.860	.124	19.7	4 65	62 1337	
1285	8.6	49 3.78	1.5973	−.0014	63 53 57.9	16.861	.118	20.1	64 69	63 1201	
1286[l]	9.3	9 49 27.68	+1.6783	+.0010	−62 39 50.1	−16.880	−.124	20.2	3 149	62 1338	
1287	8.4	50 4.96	1.7188	.0022	62 4 8.2	16.909	.127	21.5	148 151 192	61 1353	
1288	8.9	50 5.02	1.7054	.0018	62 18 8.8	16.909	.126	20.5	9 73 75 194	62 1341	MZ 11378
1289	9.0	50 17.38	1.7009	+.0017	62 24 47.3	16.919	.126	20.7	2 192	62 1343	
1290	9.0	51 33.93	1.6264	−.0004	63 50 17.2	16.978	.119	19.8	7 67 71	63 1213	
1291	8.9	9 51 51.41	+1.5761	−.0020	−64 38 58.9	−16.992	−.115	19.8	4 61 65	64 1118	
1292	8.9	52 26.44	1.6811	+.0013	63 5 44.6	17.019	.122	19.8	8 70 72	62 1356	
1293	8.8	52 46.52	1.6955	.0017	62 54 34.5	17.034	.123	19.6	5 62	62 1358	
1294	9.0	52 54.40	1.6802	+.0013	63 11 7.2	17.041	.122	19.9	9 73 75	62 1360	
1295[ll]	8.7	53 0.73	1.5837	−.0017	64 43 3.5	17.045	.114	20.5	3 149 151	64 1121	
1296	9.2	9 53 53.07	+1.6876	+.0016	−63 13 20.9	−17.085	−.121	19.8	6 64 69	62 1365	
1297	8.9	53 56.88	1.7160	+.0024	62 45 12.1	17.088	.123	19.8	7 67 71	62 1366	
1298	9.1	54 11.64	1.6243	−.0003	64 17 16.2	17.100	.116	19.7	4 65	64 1128	
1299[m]	7.8	54 48.50	1.7082	+.0023	63 1 44.0	17.128	.122	21.5	192 193 194 2	62 1370	
1300[n]	8.9	55 10.40	1.6955	+.0020	63 18 9.9	17.144	.121	19.8	8 70 72	63 1231	

(a) *p* 27s ★ 9.2 0′8N. (b) *s* 8s ★ 9.0 0′7N. (c) *p* 20s ★ 9.6 = δ. (d) *p* 10s ★ 9.6 = δ, *p* 3s ★ 9.9 = δ.
(e) *p* 24s ★ 9.3 0′6N. (f) *s* 4s ★ 9.9 0′4S. (g) *p* 2s ★ 9.2 = δ. (h) *p* 5s ★ 9. 90′7N. (i) D *l p*. (j) *p* 8s ★ 9.5 1′7N.
(k) *p* 6s ★ 9.9 1′S. (l) *s* 15s ★ 9.4 1′7N. (ll) *s* 10s ★ 9.5 1′2S. (m) *p* 11s ★ 0′68. (n) *s* 8s ★ 9.7 1′S.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec	Ep. 1900	Zonas	C. P. D.	Obser.
1301	7.4	9h55m13s.42	+s.6448	+s.0004	−64° 7′58″.8	−17″.146	−″.117	19.8	9 73 75	63°1233	
1302	8.8	55 39.79	1.7525	+.0036	62 24 9.7	17.166	.124	19.6	5 62	62 1375	
1303[a]	9.0	55 50.34	1.6339	+.0001	64 24 15.2	17.174	.115	20.5	3 149 151	64 1133	
1304	7.6	55 55.02	1.7647	+.0039	62 13 37.2	17.178	.125	21.9	148 192 193	61 1381	Lac 4109
1305	8.3	56 12.00	1.6648	+.0011	63 58 30.4	17.191	117	19.7	6 64	63 1242	
1306	8.9	9 56 14.84	+1.5603	−.0024	−65 33 52.4	−17.193	−.109	19.7	7 71	65 1201	
1307	8.9	56 37.62	1.5984	−.0010	65 4 10.7	17.210	.112	19.8	4 61 65	64 1140	
1308	8.8	56 47.35	1.6513	+.0008	64 17 15.2	17.217	.116	19.2	1 2	64 1141	
1309	9.0	56 53.74	1.6702	+.0013	64 0 13.4	17.222	.117	19.7	8 72	63 1251	
1310[b]	8.2	56 55.34	1.7315	+.0031	62 59 4.3	17.223	.122	19.9	9 75	62 1387	
1311	8.0	9 57 7.71	+1.5659	−.0021	−65 37 24.8	−17.232	−.109	20.8	62 148 151	65 1210	
1312	8.9	57 34.02	1.5450	−.0028	65 59 12.2	17.252	.107	19.7	7 71	65 1213	
1313	8.3	57 34.05	1.6711	+.0014	64 6 2.4	17.252	.116	19.7	6 64	63 1257	
1314	8.8	57 51.93	1.5712	−.0019	65 39 51.3	17.265	.109	19.8	4 61 65	65 1214	
1315	8.8	58 7.00	1.5563	−.0024	65 54 55.4	17.276	.108	20.2	3 149	65 1215	
1316	9.0	9 59 1.72	+1.5350	−.0032	−66 21 18.7	−17.316	−.105	21.2	148 151 158 163	66 1152	
1317	8.8	59 19.58	1.7829	+.0047	62 29 19.8	17.330	.123	19.8	8 70 72	62 1402	
1318	9.0	59 54.37	1.6077	−.0005	65 27 41.9	17.355	.110	19.9	9 73 75	65 1223	
1319	7.8	10 0 16.17	1.6054	−.0006	65 33 18.5	17.371	.109	19.9	4 75 79	65 1224	
1320	9.1	1 5.81	1.7632	+.0044	63 9 18.4	17.407	.120	19.5	2 3 74	62 1415	
1321	9.1	10 1 11.28	+1.7828	+.0049	−62 49 16.9	−17.411	−.121	19.7	6 72	62 1416	MZ 11408
1322	8.9	1 17.58	1.7743	+.0047	62 59 34.7	17.415	.121	19.7	8 77	62 1418	
1323[c]	9.0	1 30.69	1.6934	+.0024	64 24 22.4	17.425	.115	20.2	9 78 159	64 1161	
1324	9.0	1 46.85	1.6977	+.0026	64 22 57.5	17.436	.115	19.9	10 80 88	64 1166	
1325	9.0	2 16.35	1.5832	−.0013	66 12 12.6	17.458	.106	19.9	7 73 76	65 1234	
1326	8.9	10 2 18.51	+1.7897	+.0052	−62 53 50.9	−17.459	−.121	20.5	11 156 157	62 1426	
1327	7.1	2 25.76	1.7106	+.0030	64 16 58.9	17.464	.115	19.9	4 75 79	64 1168	
1328	8.3	3 2.89	1.8192	+.0061	62 29 12.7	17.491	.122	20.0	12 14 158	62 1429	
1329[d]	9.0	3 4.42	1.7157	+.0032	64 18 45.6	17.492	.115	21.3	161 162 165 166	64 1177	
1330	8.8	3 16.02	1.5842	−.0012	66 21 8.6	17.500	.105	20.2	82 84 87	66 1171	
1331	9.0	10 3 21.31	+1.7789	+.0051	−63 16 42.5	−17.504	−.119	19.8	2 3 74	63 1281	
1332	8.7	3 24.23	1.6249	+.0003	65 47 14.4	17.506	.108	20.2	6 72 158	65 1237	
1333	7.8	3 40.09	1.7713	+.0049	63 28 7.6	17.517	.118	19.7	8 77	63 1282	
1334	8.4	3 49.21	1.6892	+.0024	64 52 14.9	17.524	.112	19.9	10 80 88	64 1181	
1335	8.8	3 57.18	1.7690	+.0048	63 33 43.6	17.529	.117	21.2	154 155 165	63 1283	
1336	9.2	10 4 17.94	+1.7987	+.0057	−63 5 42.5	−17.544	−.119	19.9	4 75 79	62 1434	
1337	8.7	4 53.67	1.7405	+.0042	64 13 11.0	17.569	.114	19.9	7 73 76	63 1287	
1338	8.9	4 59.04	1.6324	+.0006	65 56 32.8	17.573	.107	20.0	12 14 163	65 1244	
1339	8.4	5 12.67	1.8509	+.0071	62 17 11.0	17.583	.122	20.5	11 156 157	62 1438	
1340	8.9	5 21.44	1.8538	+.0072	62 15 29.9	17.589	.122	21.3	160 161 162	62 1439	
1341	8.7	10 5 31.53	+1.7679	+.0050	−63 51 51.0	−17.596	−.116	19.5	2 3 74	63 1293	
1342	9.4	6 14.29	1.8157	.0064	63 8 29.7	17.625	.118	19.9	4 75 79	62 1446	
1343	8.9	6 20.54	1.8551	.0074	62 25 9.8	17.630	.121	19.7	6 72	62 1447	
1344	7.5	6 34.16	1.7023	.0031	65 8 34.0	17.639	.110	19.7	8 77	64 1190	Car. L 4191
1345	6.2	6 37.23	1.6835	.0025	65 26 51.9	17.641	.109	19.9	7 73 76	65 1248	DB.2771,1766C.
1346[e]	9.0	10 7 1.45	+1.7837	+.0056	−63 51 42.0	−17.658	−.115	20.2	9 78 159	63 1309	
1347[f]	9.0	7 1.58	1.6892	.0028	65 25 47 6	17.658	.109	19.9	10 80 88	65 1251	
1348	8.8	7 24.01	1.7712	.0053	64 8 58.4	17.674	.114	19.4	12 14 15	63 1311	
1349[g]	9.0	7 32.07	1.8766	.0070	62 13 37.3	17.679	.121	20.2	82 84 87	61 1487	
1350	8.3	7 43.52	1.7374	.0044	64 46 47.2	17.687	.111	19.5	2 3 74	64 1198	

(a) *s* 23s ✱ 9.4 0′.28. (b) *p* 1s ✱ 9.6 0′.8N. (c) *s* 12s ✱ 9.3 0′.58. (d) *p* 1s ✱ 9.6 1′.58. (e) *p* 1s ✱ 9.5 0′.38.
(f) *p* 24s ✱ 6.2 1′.28. (g) *p* 4s ✱ 9.8 0′.9N.

N°	M.	α 1925.0	Prec.	Var. Sec	δ 1925 o	Prec.	Var. Sec.	Ep. 1900	Zonas	G. P. D.	Obser.
1351	9.2	10h 7m49s.43	+1s.8176	+s.0066	−63°24′ 7″.6	−17″.691	−″.117	21.3	160 161 162	63°1316	
1352	8.2	7 56.42	1.6471	.0014	66 13 49.9	17.696	.105	20.2	82 84 87	65 1259	
1353	7.3	8 10.22	1.7871	.0059	64 0 53.2	17.705	.114	20.5	11 156 157	63 1319	
1354	8.7	8 10.89	1.8445	.0074	62 58 16.9	17.706	.118	21.3	154 163 165 166	62 1459	
1355	8.3	8 30.12	1.8127	.0066	63 37 13.3	17.719	.116	19.9	4 75 79	63 1321	
1356	8.7	10 8 36.23	+1.6937	+.0031	−65 38 18.3	−17.723	−.108	19.7	6 72	65 1261	
1357	8.5	8 48.51	1.7927	.0061	64 2 1.8	17.731	.114	19.9	7 73 76	63 1325	
1358	8.7	9 13.65	1.7625	.0053	64 38 0.6	17.748	.112	19.7	8 77	64 1204	
1359	9.1	9 19.87	1.8623	.0080	62 51 13.1	17.753	.118	20.2	9 78 159	62 1471	
1360	9.0	9 30.35	1.7998	.0064	64 2 19.8	17.760	.114	19.4	12 14 15	63 1329	
1361	8.3	10 9 30.57	+1.8323	+.0073	−63 27 6.1	−17.760	−.116	19.9	10 80 88	63 1327	
1362	8.3	10 3.80	1.7307	.0034	65 48 38.4	17.782	.107	21.3	160 161 162	65 1265	R
1363	9.0	10 8.57	1.8543	.0079	63 9 45.6	17.786	.117	20.2	82 84 87	62 1474	
1364	7.9	10 18.54	1.6955	.0033	65 54 55.9	17.792	.106	19.7	2 74	65 1267	
1365	8.4	10 20.59	1.6694	.0024	66 19 11.6	17.794	.104	21.3	158 163	66 1201	
1366[a]	8.8	10 10 21.99	+1.7834	+.0060	−64 29 16.8	−17.795	−.112	20.5	11 156 157	64 1209	
1367	8 7	10 26.28	1.8205	.0070	63 50 42.3	17.797	.114	21.3	163 165	63 1334	
1368	8.2	10 29.52	1.8111	.0069	64 1 25.7	17.800	.114	19.9	4 75 79	63 1335	
1369	7.4	10 44.79	1.7696	.0057	64 47 40.6	17.810	.111	19.7	6 72	64 1212	
1370	8.9	10 57.86	1.9148	.0094	62 8 2.2	17.819	.120	20.2	82 84 87	61 1519	
1371	5.8	10 11 23.26	+1.7026	+.0036	−66 0 1.5	−17.836	−.106	19.9	7 73 76	65 1273	[Carinae M L 4233, 184 G
1372	9.0	11 27.06	1.7757	.0060	64 49 26.8	17.838	.110	19.9	10 80 88	64 1216	
1373	8.9	11 27.20	1.8484	.0079	63 31 39.1	17.838	.115	20.2	9 78 159	63 1341	
1374	8.3	11 37.27	1.7470	.0051	65 20 3.0	17.845	.108	21.3	154 163 165	65 1276	Dh 4301
1375	8.7	12 1.20	1.7654	.0057	65 6 10.7	17.861	.109	21.2	156 157	64 1222	
1376	9.0	10 12 2.01	+1.9278	+.0099	−62 4 54.7	−17.861	−.120	20.2	82 84 87	61 1536	
1377	8.3	12 4.75	1.8201	.0073	64 10 4.0	17.863	.113	21.3	160 161 162	63 1344	
1378	8.8	12 28.28	1.9256	.0099	62 12 57.0	17.879	.119	20.2	80 88	61 1541	
1379	9.3	12 50.81	1.7978	.0068	64 42 31.7	17.893	.110	19.7	6 72	64 1225	
1380	7.2	13 6.47	1.9345	.0102	62 9 47.5	17.904	.119	21.3	154 163 165	61 1553	
1381	8.9	10 13 25.96	+1.7482	+.0053	−65 39 5.1	−17.916	−.107	21.3	154 163 165	65 1283	
1382	8.5	13 34.89	1.8779	.0090	63 23 22.9	17.922	.115	19.7	8 77	63 1348	
1383	9.0	14 2.32	1.8748	.0090	63 32 22.2	17.940	.114	19.9	7 73 76	63 1351	
1384	8.8	14 4.49	1.9271	.0102	62 30 51.9	17.942	.118	20.5	11 156 157	62 1498	MZ 11451
1385	8.9	14 16.63	1.7871	.0067	65 9 55.7	17.949	.108	19.9	4 75 79	64 1234	
1386	8.8	10 14 33.92	+1.7579	+.0058	−65 42 24.2	−17.961	−.106	19.9	10 80 88	65 1288	
1387	8.0	15 0.46	1.7314	.0050	66 12 58.4	17.978	.104	19.4	12 14 15	65 1291	
1388	7.5	15 16.01	1.8048	.0073	65 3 13.8	17.988	.108	20.2	82 84 87	64 1238	
1389	8.9	15 20.61	1.9152	.0102	63 0 56.3	17.991	.116	19.7	6 72	62 1509	
1390	8.7	15 33.93	1.7641	.0061	65 47 47.3	17.999	.105	19.7	3 74	65 1295	
1391	9.1	10 15 34.07	+1.9205	+.0104	−62 57 22.6	−17.999	−.116	21.3	160 161 162	62 1514	
1392	8.6	15 50.30	1.7722	.0064	65 42 53.5	18.010	.106	20.2	9 78 159	65 1298	
1393	9.2	16 16.24	1.9292	.0107	62 55 28.1	18.026	.115	19.7	7 77	62 1520	
1394	8.8	16 35.35	1.8219	.0080	65 0 55.7	18.039	.108	20.5	11 156 157	64 1244	
1395[b]	6.0	16 45.28	1.8634	.0092	64 17 58.7	18.045	.111	21.3	154 163 165 166	64 1248	Dh 4306
1396	7.0	10 17 23.47	+1.8453	+.0088	−64 45 35.3	−18.069	−.109	19.9	10 80 88	64 1250	
1397	8.1	17 57.54	1.9449	.0113	62 57 31.8	18.090	.114	19.5	2 3 74	62 1531	
1398	8.1	18 3.84	1.7998	.0076	65 41 9.9	18.094	.105	21 3	160 161 162	65 1305	
1399	9.3	18 23.34	1.9501	.0115	62 56 36.4	18.107	.114	19.4	12 14 15	62 1534	
1400	8.7	18 26.50	1.9444	.0114	63 4 18.3	18.109	.114	19.7	6 72 79	62 1535	

(a) D s 12s ★ 9.4 1′6N. (b) D t s.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1401	8.8	10h 18m 37s.16	+1s.9664	+s.0119	−62° 39′ 12″.5	−18″.115	−″.115	19.9	4 75 79	62°1538	
1402	7.5	18 58.13	1.8598	.0095	64 49 1.9	18.128	.108	20.2	9 78 159	64 1252	
1403[a]	8.4	19 24.66	1.8127	.0082	65 44 3.4	18.145	.105	20.5	11 156 157	65 1313	
1404[b]	9.1	19 40.88	1.9499	.0118	63 13 24.9	18.155	.113	19.9	7 73 76	62 1547	
1405	9.2	19 51.24	1.8496	.0093	65 10 51.6	18.161	.106	19.7	8 77	64 1257	
1406[c]	8.4	10 19 53.72	+1.8427	+.0091	−65 18 41.3	−18.163	−.106	20.2	82 84 87	65 1315	D Car. G 1419?
1407	9.3	20 28.71	1.9680	.0123	63 1 18.4	18.184	.113	21.8	163 165 192 193	62 1553	
1408	9.4	21 1.30	1.9715	.0125	63 3 57.3	18.204	.113	20.5	11 156 157	62 1557	
1409	8.9	21 14.35	1.8943	.0108	64 38 53.9	18.212	.107	19.5	2 3 74	64 1262	
1410[d]	8.7	21 21.96	1.8044	.0083	66 15 55.9	18.217	.102	21.0	79 159 163 166	66 1247	
1411	8.8	10 21 43.57	+1.9110	+.0113	−64 26 3.6	−18.230	−.108	21.3	160 161 162	64 1268	
1412	8.8	22 0.58	1.8923	.0109	64 50 52.3	18.240	.107	22.0	158 192 193 15	64 1273	
1413	9.2	22 41.75	1.9935	.0133	62 58 8.6	18.265	.112	19.9	7 73 76	62 1567	
1414	8.7	22 59.81	1.9602	.0127	63 44 5.0	18.276	.109	20.2	82 84 87	63 1403	
1415	9.0	23 8.90	1.9138	.0116	64 41 2.9	18.281	.106	21.3	154 163 165	64 1285	
1416	9.1	10 23 23.44	+2.0096	+.0138	−62 46 39.8	−18.290	−.112	19.5	2 3 74	62 1572	
1417	8.6	23 35.39	2.0251	.0141	62 28 39.9	18.297	.113	19.7	8 77	62 1573	
1418	9.0	23 39.44	1.8327	.0096	66 15 18.9	18.299	.101	21.3	158 163	66 1260	
1419	7.5	23 42.91	2.0066	.0138	62 54 59.5	18.302	.111	20.2	75 79	62 1577	
1420	8.9	24 0.19	1.9344	.0124	64 28 18.6	18.312	.107	19.7	6 72	64 1290	
1421	8.1	10 24 16.91	+1.9626	+.0131	−63 58 9.2	−18.322	−.108	19.9	10 80 88	63 1411	
1422	8.9	24 18.11	1.8890	.0112	65 23 41.4	18.322	.104	19.4	12 14 15	65 1346	
1423	9.3	24 30.72	2.0007	.0139	63 13 29.4	18.330	.110	21.3	160 161 162	62 1582	
1424	8.6	24 45.99	1.9335	.0125	64 39 20.9	18.339	.106	20.5	11 156 157	64 1299	
1425	8.6	24 59.30	2.0096	.0142	63 8 25.6	18.347	.110	21.2	154 155 163 165	62 1588	
1426	7.4	10 25 2.04	+2.0327	+.0146	−62 38 23.0	−18.348	−.111	19.8	7 73 76	62 1589	
1427	9.0	25 3.11	1.9464	.0129	64 27 52.9	18.349	.106	20.2	82 84 87	64 1300	
1428	6.5	25 3.28	1.9017	.0118	65 19 18.8	18.349	.104	20.2	9 78 159	65 1354	Carinae L 4321, 198 G
1429	8.8	25 29.54	1.9483	.0130	64 31 29.6	18.364	.106	19.5	2 3 74	64 1303	
1430	9.0	25 37.36	1.9593	.0133	64 20 9.4	18.369	.106	19.7	8 77	64 1306	
1431	6.7	10 25 45.33	+2.0339	+.0148	−62 46 51.1	−18.374	−.111	19.9	4 75 79	62 1595	
1432	9.1	25 53.64	1.8521	.0105	66 23 21.1	18.378	.100	21.3	160 161 162	66 1281	
1433	9.0	25 58.46	1.9131	.0122	65 18 37.1	18.382	.103	19.7	6 72	65 1360	
1434	8.8	26 11.27	2.0635	.0154	62 12 17.1	18.389	.112	20.2	82 84 87	61 1676	
1435[e]	9.3	26 12.01	2.0319	.0149	62 55 52.5	18.389	.110	19.9	10 80 88	62 1597	D
1436[f]	8.6	10 26 13.40	+2.0641	+.0154	−62 12 0.4	−18.390	−.112	20.8	87 154 155	61 1677	DA 85
1437	9.0	26 15.47	1.9825	.0137	64 12 37.2	18.391	.106	19.4	12 14 15	63 1439	
1438	6.3	26 22.85	1.9942	.0142	63 47 17.6	18.395	.108	21.3	160 161 162	63 1440	Carinae L 4330, 199 G
1439[g]	8.7	26 29.73	1.8638	.0110	66 18.45.1	18.399	.100	21.3	163 165 166	66 1285	
1440	7.8	26 36.52	1.9473	.0142	64 47 34.5	18.403	.104	20.5	11 156 157	64 1310	R
1441[h]	8.8	10 27 1.93	+1.9157	+.0125	−65 29 30.1	−18.418	−.102	21.2	154 155 163	65 1365	
1442	9.0	27 2.89	2.0700	.0157	62 15 30.5	18.419	.111	20.8	84 158	62 1607	
1443	8.7	27 12.16	1.8858	.0117	66 4 32.9	18.424	.100	19.9	7 73 76	65 1368	
1444[i]	8.3	27 23.47	2.0706	.0158	62 19 40.4	18.430	.111	20.2	9 78 159	62 1612	
1445	8.8	27 35.17	2.0819	.0161	62 6 16.1	18.437	.111	21.3	158 165	61 1694	
1446	8.9	10 27 52.15	+2.0387	+.0154	−63 10 16.3	−18.447	−.108	19.7	8 77	62 1615	
1447	8.6	28 20.68	1.8804	.0118	66 25 10.6	18.463	.099	21.2	156 157 165	66 1295	
1448	9.2	28 21.27	1.9038	.0125	66 0 6.4	18.463	.100	19.9	4 75 79	65 1383	
1449	9.1	28 31.68	2.0173	.0152	63 47 43.1	18.469	.106	19.8	6 10 72 80[t]	63 1459	
1450	9.0	28 32.38	2.0353	.0155	63 24 20.0	18.470	.107	19.5	2 3 74	63 1458	

(a) p 12s ★ 9.4 0′3N. (b) p 20s ★ 9.2 = δ. (c) D t b Có 23. (d) s 13s ★ 9.2 0′48. (e) D s 2s ★ 8.6 0′3N.
(f) p 2s ★ 9.8 0′3S. (g) D t p. (h) s 6s ★ 9.1 0′2S. (i) p 3s ★ 9.3 1′2N. (t) 88.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1451	9.1	10h28m35ˢ.81	+2ˢ.0180	+ˢ.0152	−63°47′46″.8	−18″.472	−″.106	20.2	80 88	63°1460	
1452	8.7	28 49.63	2.0743	.0162	62 35 14.0	18.479	.109	20.2	82 84 87	62 1621	
1453	9.0	28 52.99	2.0116	.0152	64 0 2.7	18.481	.106	21.3	160 161 162	63 1462	
1454	9.1	29 4.11	2.0650	.0162	62 51 41.2	18.488	.108	20.5	11 156 157	62 1622	
1455	9.0	29 10.34	2.0555	.0160	63 6 13.3	18.491	.108	21.3	154 155 163 165	62 1624	
1456	8.9	10 29 15.20	+1.9112	+.0129	−66 3 57.6	−18.494	−.100	21.0	6 72 158 192(1)	65 1392	
1457	8.0	29 17.44	2.0367	.0158	63 33 14.8	18.495	.106	20.2	9 78 159	63 1465	
1458	8.5	29 43.59	1.9105	.0130	66 10 59.2	18.510	.099	19.7	8 77	65 1393	
1459	8.5	30 59.22	1.9881	.0152	64 58 51.7	18.552	.102	19.7	8 77	64 1339	
1460	8.8	31 4.14	2.0050	.0156	64 39 13.9	18.554	.102	19.8	4 75 79	64 1340	
1461	9.3	10 31 18.21	+2.0641	+.0168	−63 25 34.9	−18.562	−.106	19.7	6 72	63 1491	
1462	9.2	31 27.65	2.0624	.0168	63 30 12.9	18.567	.105	19.9	10 80 88	63 1493	
1463	8.9	31 36.01	1.9937	.0155	65 0 40.8	18.572	.101	19.4	12 14 15	64 1342	
1464	9.0	31 53.11	2.0749	.0171	63 19 25.7	18.581	.105	21.3	160 161 162	63 1499	
1465	8.8	31 58.70	2.0015	.0157	64 56 32.2	18.584	.101	20.5	11 156 157	64 1350	
1466	9.0	10 32 20.61	+2.0263	+.0164	−64 30 41.1	−18.596	−.102	20.2	82 84 87	64 1353	
1467	9.0	32 20.76	1.9816	.0154	65 25 50.3	18.596	.100	21.2	154 155 163 165	65 1417	
1468	8.7	32 20.84	2.0120	.0161	64 48 47.7	18.596	.101	20.2	9 78 159	64 1354	
1469	8.1	32 21.69	2.0615	.0170	63 44 45.1	18.597	.104	19.7	7 8 73 76	63 1501	Dᴀ 93
1470	8.6	32 23.86	2.0622	.0170	63 44 25.8	18.598	.104	20.7	77 158	63 1503	D Innes 74
1471[a]	9.3	10 32 30.56	+1.9324	+.0142	−66 24 36.8	−18.602	−.097	21.3	160 161 162	66 1329	
1472	8.7	32 39.63	2.0610	.0171	63 49 56.9	18.607	.104	19.9	15 75 79	63 1507	
1473	8.9	32 42.23	2.0716	.0173	63 36 9.6	18.608	.104	19.5	2 3 74	63 1509	
1474	8.8	32 59.57	2.0615	.0172	63 54 6.5	18.617	.103	19.7	6 72	63 1510	
1475	8.9	33 3.34	2.0870	.0176	63 20 4.5	18.620	.105	19.9	10 80 88	63 1511	
1476	8.3	10 33 23.61	+2.0681	+.0174	−63 51 13.9	−18.630	−.103	19.3	12 14	63 1513	
1477	9.1	34 43.19	2.1081	.0184	63 15 42.5	18.673	.104	20.9	11 157 160 161(2)	63 1520	
1478[b]	8.8	34 59.20	2.1118	.0186	63 14 28.9	18.681	.103	21.3	156 163 165 166	62 1675	
1479[c]	9.2	35 0.41	2.0347	.0173	64 58 56.9	18.682	.099	20.2	82 84 87	64 1370	DCZ 2403
1480	8.0	35 25.19	2.1399	.0191	62 39 54.3	18.695	.104	21.2	154 155 163 165	62 1679	
1481	7.1	10 35 42.82	+2.0583	+.0179	−64 39 5.7	−18.704	−.100	20.2	9 78 159	64 1374	
1482[d]	9.1	35 45.40	2.1118	.0188	63 26 26.5	18.706	.102	19.9	7 73 76	63 1527	
1483	9.1	36 6.48	2.1593	.0195	62 21 25.6	18.717	.105	19.6	8 15 77	62 1690	
1484	7.4	36 14.27	2.0886	.0186	64 6 26.8	18.721	.101	20.2	75 79	63 1534	
1485	8.0	36 26.87	2.0698	.0184	64 35 2.7	18.727	.100	19.9	10 80 88	64 1383	
1486	9.0	10 36 27.88	+2.1265	+.0192	−63 16 20.6	−18.728	−.102	19.7	6 72	63 1539	
1487	8.6	36 31.97	2.1635	.0197	62 21 38.3	18.730	.104	19.3	12 14	62 1695	
1488	7.0	36 43.93	2.1107	.0191	63 43 14.7	18.736	.101	19.5	2 3 74	63 1542	
1489	8.3	36 45.25	2.1249	.0193	63 23 13.7	18.737	.102	21.3	160 161 162	63 1544	
1490	8.3	36 51.91	1.9938	.0169	66 16 8.5	18.740	.095	21.8	158 163 192 193	66 1357	
1491[e]	9.0	10 36 54.94	+2.0703	+.0185	−64 41 31.9	−18.742	−.099	20.2	82 84 87	64 1394	Dh 4343
1492	8.8	36 55.00	2.1302	.0194	63 18 3.0	18.742	.102	20.5	11 156 157	63 1552	
1493	8.9	36 56.12	2.0881	.0188	64 17 53.2	18.743	.100	21.3	154 155 163 165(3)	64 1395	
1494	6.2	37 35.26	2.0773	.0189	64 42 31.5	18.763	.098	20.2	9 78 159	64 1403	217 G Car. L 4418
1495[f]	8.4	37 41.52	2.1256	.0196	63 37 1.0	18.766	.101	20.7	76 158	63 1558	R
1496	9.3	10 37 47.92	+2.1678	+.0202	−62 35 38.2	−18.769	−.103	19.7	8 77	62 1706	MZ 11537
1497	7.9	38 3.95	2.1025	.0194	64 15 41.3	18.777	.099	20.2	73 75 79	64 1408	
1498	7.0	38 27.47	2.1146	.0197	64 4 56.4	18.789	.099	19.7	6 72	63 1573	
1499	8.3	38 29.04	2.0416	.0185	65 42 14.8	18.790	.096	19.9	10 80 88	65 1457	
1500	9.0	38 45.19	2.1467	.0202	63 23 13.3	18.798	.101	19.4	14 15	63 1578	

(a) *s* 15ˢ 1′N. (b) *p* 16ˢ ★ 9.0 1′S. (c) D *t* N. (d) *p* 1ˢ ★ 9.5 0′1N. (e) D *t p*. (f) *s* 3ˢ ★ 9.4 0′9S.

(1) 193. (2) 162. (3) 166.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1501	8.9	10h38m50s.27	+2s.1144	+s.0198	−64°11′16″.1	−18″.801	−″.099	21.3	160 161 162	63°1581	
1502	7.5	38 54.54	2.1350	.0201	63 42 50.8	18.803	.100	20.5	11 156 157	63 1583	
1503	9.0	39 13.37	2.1843	.0208	62 33 13.7	18.813	.101	19.5	2 3 74	62 1718	
1504	7.8	39 17.10	2.1633	.0206	63 6 52.6	18.814	.101	20.2	82 84 87	62 1720	
1505	5.5	39 34.14	2.1275	.0203	64 4 25.7	18.823	.098	21.2	154 155 163 165	63 1589	L4440,2216Car.
1506	7.6	10 39 44.78	+2.1323	+.0204	−64 0 21.5	−18.828	−.099	20.0	9 18 159	63 1592	
1507	7.7	39 58.83	2.1232	.0204	64 17 5.7	18.835	.098	19.7	7 76	64 1439	
1508	8.9	40 10.27	2.1031	.0201	64 48 7.2	18.841	.097	19.7	8 77	64 1443	
1509	3.7	40 16.57	2.1384	.0206	64 0 4.8	18.844	.098	20.2	75 78 79	63 1599	F. Θ Carinae
1510	9.1	40 31.73	2.1460	.0208	63 53 11.5	18.852	.098	20.7	72 158	63 1605	
1511	8.9	10 40 33.97	+2.1962	+.0214	−62 36 54.9	−18.853	−.101	19.9	10 80 88	62 1728	
1512[a]	8.8	40 34.55	2.1504	.0209	63 47 30.3	18.853	.098	20.0	15 158	63 1607	D
1513	7.8	40 47.25	2.1575	.0211	63 40 29.4	18.859	.099	21.3	160 161 162	63 1613	
1514	8.6	40 53.27	2.1753	.0213	63 15 9.9	18.862	.099	20.5	11 156 157	62 1731	
1515	8.6	41 1.13	2.1005	.0204	65 5 7.6	18.866	.095	19.5	2 3 74	64 1452	MZ 28414
1516	6.7	10 41 9.10	+2.1543	+.0212	−63 51 18.5	−18.870	−.098	20.2	82 84 87	63 1619	
1517	5.4	41 23.78	2.1685	.0214	63 34 2.1	18.877	.098	21.2	154 155 163 165	63 1623	L4455,2296Car.
1518[b]	9.1	41 25.49	2.1661	.0214	63 38 5.5	18.878	.098	20.2	9 78 159	63 1625	
1519	8.9	41 27.65	2.1402	.0211	64 16 57.7	18.879	.097	19.9	7 73 76	64 1456	
1520	8.6	41 56.99	2.1806	.0217	63 24 54.7	18.894	.098	19.7	8 77	63 1629	
1521[c]	9.0	10 41 58.36	+2.2201	+.0221	−62 22 14.4	−18.894	−.100	19.8	4 10 75 79[1]	62 1735	
1522	8.6	41 58.49	2.0569	.0199	66 16 47.9	18.894	.092	21.3	160 161 162	66 1399	
1523	9.1	42 28.41	2.1436	.0215	64 28 47.8	18.909	.096	19.7	6 72	64 1465	
1524	9.3	42 30.26	2.0605	.0202	66 20 40.4	18.910	.092	21.3	163 165 166	66 1402	
1525[d]	9.0	42 35.65	2.2271	.0224	62 21 17.8	18.912	.100	20.7	80 158	62 1739	
1526	9.0	10 42 44.84	+2.1729	+.0219	−63 50 4.0	−18.917	−.097	19.3	12 14 15	63 1637	
1527	8.1	42 51.84	2.1551	.0218	64 18 32.7	18.920	.096	21.3	160 161 162	64 1469	
1528	9.2	43 0.74	2.2272	.0225	62 28 31.5	18.924	.099	20.5	11 156 157	62 1743	
1529	8.7	43 20.43	2.2319	.0226	62 26 29.3	18.934	.099	20.2	82 84 87	62 1746	MZ 11558
1530	8.3	43 26.90	2.1662	.0221	64 12 2.3	18.937	.096	21.2	154 155 163	63 1642	
1531	5.8	10 43 33.25	+2.1707	+.0222	−64 7 9.4	−18.940	−.096	20.2	9 78 159	63 1646	L4471,2366Car.
1532	8.0	43 39.14	2.2185	.0227	62 54 11.0	18.943	.098	19.8	7 73 76	62 1749	
1533[e]	8.9	43 44.30	2.1800	.0224	63 56 15.6	18.945	.096	19.9	4 75 79	63 1650	
1534	6.1	43 45.41	2.1830	.0224	63 52 4.5	18.946	.096	19.7	8 77	63 1649	L4473,2376Car.
1535	8.3	43 57.96	2.1713	.0224	64 13 14.5	18.952	.095	19.7	6 72	63 1654	
1536	9.3	10 44 2.84	+2.0761	+.0210	−66 25 30.3	−18.954	−.091	21.3	163 165 166	66 1412	
1537	5.6	44 7.09	2.1823	.0226	63 59 16.3	18.956	.096	19.9	10 80 88	63 1655	L4475,2388Car.
1538	8.3	44 24.40	2.1902	.0228	63 52 8.2	18.964	.095	19.8	12 14 15 77[2]	63 1660	
1539[f]	8.1	44 40.65	2.1251	.0221	65 31 18.1	18.972	.092	19.9	2 3 74 156	65 1505	
1540	7.3	44 55.56	2.1850	.0229	64 9 3.9	18.979	.095	21.3	160 161 162	63 1670	
1541[g]	8.8	10 44 56.81	+2.1282	+.0223	−65 31 28.0	−18.980	−.092	20.5	11 156 157	65 1508	
1542	7.1	45 8.22	2.1985	.0231	63 51 59.8	18.985	.095	20.2	82 84 87	63 1672	
1543[h]	8.7	45 20.68	2.2154	.0233	63 29 2.5	18.991	.095	21.2	154 155 163	63 1675	
1544	8.6	45 33.16	2.2647	.0237	62 10 2.8	18.996	.097	20.7	79 158	61 1890	
1545	8.2	45 54.73	2.2234	.0236	63 26 11.0	19.006	.095	19.9	7 73 76	63 1682	
1546	8.9	10 46 0.85	+2.2164	+.0236	−63 39 18.2	−19.009	−.095	19.9	10 80 88	63 1684	
1547	8.8	46 17.15	2.2118	.0237	63 51 30.3	19.017	.094	19.7	8 77	63 1688	
1548	8.1	47 13.98	2.2116	.0241	64 8 38.8	19.043	.093	20.2	72 82 84 87	63 1699	
1549	7.6	47 21.40	2.2813	.0245	62 14 17.6	19.046	.096	20.2	79 80 88	61 1908	
1550[i]	8.9	47 41.77	2.2491	.0245	63 16 20.6	19.055	.094	20.9	78 159 163	63 1704	

(a) D *t s*. (b) *p* 2s ★ 9.3 0′1N, *p* 2s ★ 9.5 2′N. (c) *p* 6s ★ 9.6 0′38. (d) *p* 37s ★ 9.0 1′8 y *s* 5s ★ 9.8 0′68.
(e) *p* 23s ★ 9.5 0′58. (f) D *t p*. (g) *p* 16s ★ 8.1 0′2N. (h) *s* 6s 2′N. (i) *p* 34s ★ 9.2 0′5N y *s* 15s ★ 9.1 0′38.
(1) 88. (2) 84, 87.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1551	8.0	10h47m58s.67	+2s.2225	+s.0245	−64° 4′54″.5	−19″.063	−″.092	21.2	154 155 163 166	63°1708	
1552	7.9	48 40.45	2.1351	.0238	66 24 59.9	19.082	.087	20.2	82 84 87	66 1434	Car. B 3261
1553	7.9	48 48.36	2.2876	.0251	62 30 25.8	19.085	.094	21.3	156 157 163 166	62 1787	MZ 11574
1554	9.2	49 26.01	2.1972	.0249	65 10 16.8	19.102	.089	19.7	2 74	64 1510	
1555[a]	8.1	49 44.69	2.2452	.0254	64 0 54.2	19.110	.091	19.4	12 14 15	63 1724	
1556[b]	8.0	10 50 8.00	+2.2958	+.0257	−62 41 19.1	−19.120	−.092	20.7	77 158	62 1794	D Bris 3273
1557	9.0	50 36.08	2.2405	.0258	64 24 31.4	19.133	.089	20.2	9 78 159	64 1523	
1558	9.1	51 17.69	2.2554	.0262	64 13 21.2	19.151	.089	19.9	10 80 88	63 1741	
1559[c]	8.9	51 36.44	2.2820	.0264	63 34 23.3	19.159	.090	21.2	154 155 163 166	63 1743	Dh 4382
1560	9.0	52 31.36	2.2834	.0269	63 49 47.7	19.182	.088	20.2	82 84 87	63 1748	
1561	9.0	10 53 43.03	+2.2588	+.0274	−64 54 8.9	−19.212	−.086	19.5	2 3 74	64 1557	
1562	9.0	54 18.02	2.2719	.0277	64 44 0.8	19.227	.085	20.2	6 158	64 1564	
1563	9.0	54 44.57	2.3565	.0278	62 20 6.6	19.238	.088	19.9	4 75 79	62 1832	D
1564	9.0	54 56.83	2.3651	.0279	62 7 21.7	19.243	.088	20.2	80 88	61 1999	
1565	8.9	55 10.95	2.3084	.0282	63 59 12.5	19.248	.086	19.7	8 77	63 1767	
1566	9.0	10 56 10.57	+2.3062	+.0288	−64 23 22.8	−19.272	−.084	19.7	7 76	64 1574	
1567[d]	8.9	56 38.57	2.3535	.0289	63 6 21.3	19.284	.085	20.2	9 78 159	62 1845	
1568	8.6	57 27.50	2.2577	.0294	66 9 16.3	19.303	.080	19.9	10 80 88	65 1584	
1569	9.2	57 39.46	2.3913	.0292	62 12 39.6	19.308	.085	20.2	79 82 84 87	61 2021	
1570	8.5	57 43.18	2.2908	.0296	65 21 14.0	19.309	.082	19.5	2 3 74	65 1586	
1571	8.5	10 57 46.37	+2.2815	+.0296	−65 37 39.1	−19.310	−.081	20.5	11 156 157	65 1587	
1572	8.9	58 2.86	2.2914	.0298	65 26 49.3	19.317	.081	21.3	160 161 163	65 1589	
1573	7.9	58 52.42	2.3536	.0302	63 54 0.8	19.336	.082	19.4	12 14 15	63 1794	
1574	7.8	59 1.74	2.2977	.0304	65 36 31.8	19.340	.080	20.2	82 84	65 1593	
1575	8.9	59 2.90	2.3133	.0304	65 10 29.7	19.340	.080	21.2	154 155 163 166	64 1604	
1576	8.8	10 59 8.52	+2.2776	+.0304	−66 11 40.3	−19.342	−.079	20.2	9 78 159	65 1594	
1577	9.0	59 44.67	2.3509	.0307	64 18 6.5	19.356	.081	20.2	6 158	64 1610	
1578[e]	9.0	59 45.10	2.3884	.0304	63 5 26.7	19.356	.082	19.5	2 3 74	62 1861	
1579	8.9	59 55.11	2.3027	.0310	65 46 44.6	19.360	.079	19.9	4 75 79	65 1599	
1580	8.4	11 0 11.17	2.3564	.0309	64 17 29.2	19.366	.080	19.7	7 76	64 1615	
1581	8.5	11 0 11.54	+2.4056	+.0305	−62 39 45.9	−19.366	−.082	19.7	8 77	62 1862	
1582	9.1	0 43.01	2.3191	.0314	65 35 48.9	19.378	.078	19.9	10 80 88	65 1604	
1583	9.0	1 7.19	2.4307	.0307	62 7 17.2	19.387	.082	21.2	154 155	61 2058	
1584	9.0	1 23.80	2.3268	.0318	65 37 10.8	19.393	.077	20.5	11 156 157	65 1606	
1585	7.7	1 50.84	2.3783	.0318	64 12 39.4	19.403	.079	19.3	12 14 15	63 1819	
1586	8.9	11 1 58.86	+2.3545	+.0321	−65 0 37.1	−19.406	−.078	20.2	9 78 159	64 1623	
1587	8.3	3 18.57	2.3675	.0328	65 6 15.1	19.435	.076	19.5	2 3 74	64 1629	
1588	7.0	3 24.69	2.3898	.0327	64 26 2.5	19.437	.077	20.2	82 84 87	64 1630	
1589	8.9	3 25.65	2.4457	.0320	62 29 7.2	19.437	.079	20.2	6 158	62 1885	
1590	8.9	3 46.33	2.3570	.0332	65 36 5.8	19.445	.075	19.9	4 75 79	65 1623	
1591	9.1	11 4 27.48	+2.4432	+.0327	−63 0 1.7	−19.459	−.077	19.7	7 76	62 1894	
1592	9.1	5 8.05	2.3820	.0340	65 21 10.2	19.473	.074	19.7	8 77	65 1628	
1593	8.9	5 8.57	2.4207	.0335	64 4 53.5	19.473	.075	20.2	9 78 159	63 1843	
1594	8.8	5 17.61	2.4191	.0337	64 11 41.9	19.476	.075	19.4	12 14 15	63 1845	
1595	9.1	5 21.32	2.4381	.0334	63 33 8.3	19.478	.076	20.2	82 84 87	63 1846	
1596	8.3	11 5 26.29	+2.3961	+.0340	−65 1 20.1	−19.479	−.074	20.8	17 160 161 162	64 1633	R
1597	9.3	5 47.68	2.4369	.0337	63 46 38.6	19.487	.075	20.2	6 158	63 1847	
1598[f]	9.3	5 47.70	2.4515	.0335	63 14 45.5	19.487	.075	20.5	11 156 157	62 1900	
1599	8.9	6 30.76	2.3872	.0349	65 43 43.4	19.501	.072	19.9	10 80 88	65 1633	
1600	8.9	6 42.74	2.4580	.0340	63 23 13.4	19.505	.074	19.9	4 75 79	63 1852	

(a) *s* 2s ★ 9.6 2′N. (b) D *l s* N. (c) *s* 1s 0′2N. (d) *s* 12s ★ 9.8 0′8S. (e) *p* 11s ★ 9.2 0.4N. (f) *s* 20s = δ.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1601	9.0	11h 7m25ˢ.54	+ˢ.4641	+ˢ.0344	−63°27′45″.5	−19″.520	−″.073	19.7	8 77	63°1856	
1602[a]	8.6	7 55.56	2.4266	.0355	65 0 54.5	19.530	.071	19.7	3 74	64 1636	
1603[b]	9.2	8 32.29	2.4029	.0363	66 2 42.9	19.542	.070	20.2	9 78 159	65 1641	
1604	9.3	8 41.22	2.4780	.0351	63 28 58.7	19.544	.072	21.0	11 156 157	63 1859	
1605	8.1	9 11.68	2.4479	.0361	64 48 38.7	19.554	.070	19.7	7 76	64 1641	
1606	5.8	11 9 38.52	+2.4817	+.0357	−63 45 42.3	−19.563	−.071	20.2	6 158	63 1860	F. Car. 264 G
1607	8.9	9 57.37	2.5028	.0355	63 4 6.1	19.569	.071	19.4	12 14 15	62 1921	
1608	9.0	10 45.17	2.5217	.0356	62 39 3.0	19.584	.070	20.6	17 18 160 161[1]	62 1930	
1609	8.8	11 12.89	2.4536	.0377	65 28 56.9	19.592	.068	20.2	82 84 87	65 1646	
1610	9.3	11 22.91	2.5121	.0364	63 20 33.3	19.595	.069	19.5	2 3 74	63 1865	
1611	9.0	11 11 25.69	+2.4453	+.0380	−65 51 41.1	−19.596	−.067	19.7	8 77	65 1647	
1612	8.0	12 17.35	2.4493	.0387	66 6 10.6	19.612	.065	21.2	154 155 163	65 1649	R
1613	9.2	12 24.12	2.4444	.0389	66 18 56.9	19.614	.065	20.9	79 159 166	66 1560	
1614	9.2	12 55.68	2.5375	.0369	63 0 43.2	19.623	.067	19.9	10 80 88	62 1946	
1615	8.2	13 54.58	2.5609	.0370	62 27 15.5	19.641	.067	20.6	11 156 163	62 1953	
1616	8.0	11 14 18.46	+2.5517	+.0376	−63 3 59.2	−19.648	−.065	19.9	4 75 79	62 1959	D
1617	9.1	14 18.89	2.5388	.0381	63 37 55.8	19.648	.065	19.7	7 76	63 1874	
1618	8.0	14 46.46	2.5441	.0384	63 37 57.2	19.656	.065	19.7	2 3 74 76	63 1876	
1619	8.4	14 55.53	2.5696	.0375	62 33 54.5	19.658	.065	20.0	6 9 78 159	62 1963	MZ 11631
1620	8.9	15 4.32	2.5712	.0376	62 33 51.6	19.661	.065	20.9	78 159 166	62 1964	
1621	9.1	11 15 20.21	+2.5143	+.0399	−65 7 55.5	−19.665	−.063	20.6	17 18 160 161[2]	64 1648	
1622	8.4	15 39.95	2.5493	.0390	63 51 16.1	19.671	.063	19.9	10 80 88	63 1880	
1623	8.9	16 1.50	2.5350	.0399	64 38 20.3	19.677	.062	19.7	8 77	64 1649	
1624	6.9	16 8.00	2.5474	.0395	64 10 22.1	19.679	.062	19.4	12 14 15	63 1881	
1625	9.3	16 25.71	2.5484	.0398	64 16 44.2	19.684	.062	20.6	11 156 169	64 1650	
1626	8.9	11 16 40.85	+2.5725	+.0391	−63 20 22.9	−19.688	−.062	20.2	82 84 87	63 1883	
1627	8.8	17 38.58	2.5751	.0400	63 43 44.0	19.703	.061	19.7	7 76	63 1885	
1628	8.9	17 56.90	2.5361	.0417	65 33 40.4	19.708	.059	19.9	4 75 79	65 1656	
1629[c]	9.3	18 13.05	2.5993	.0395	62 53 51.4	19.713	.060	19.4	12 14 15	62 1973	
1630	9.1	18 32.18	2.5682	.0412	64 30 45.9	19.718	.059	20.7	77 158	64 1654	
1631	9.0	11 18 38.22	+2.6003	+.0399	−63 4 32.9	−19.719	−.060	21.3	154 155 169	62 1977	
1632	8.9	19 21.54	2.6072	.0402	63 8 12.1	19.730	.059	20.2	82 84 87	62 1982	
1633	9.0	19 35.17	2.5432	.0434	66 6 55.5	19.734	.057	20.6	11 156 169	65 1661	
1634	5.7	20 6.32	2.5865	.0421	64 32 34.6	19.742	.057	20.2	6 158	64 1657	DL 4737, 4G Mus.
1635	8.4	20 24.14	2.5815	.0427	64 55 50.2	19.746	.056	20.2	9 78 159	64 1659	
1636	8.5	11 20 25.36	+2.5706	+.0432	−65 25 21.8	−19.747	−.056	20.8	18 160 161 162	65 1662	
1637	8.5	20 39.06	2.6319	.0404	62 37 8.4	19.750	.057	19.9	4 75 79	62 1990	
1638	8.8	20 47.36	2.6209	.0411	63 16 8.3	19.752	.057	19.5	2 3 74	62 1992	
1639	8.9	21 2.63	2.6317	.0408	62 51 37.5	19.756	.057	19.7	8 77	62 1995	
1640	8.3	21 9.97	2.6317	.0410	62 55 48.6	19.758	.056	21.2	154 155 163	62 1997	
1641	9.2	11 21 27.47	+2.6104	+.0425	−64 10 51.8	−19.762	−.055	19.9	10 80 88	63 1889	
1642	8.9	21 30.23	2.6209	.0420	63 41 5.9	19.763	.056	20.6	11 156 169	63 1891	
1643	7.7	21 36.43	2.6350	.0413	63 1 11.7	19.764	.056	19.4	12 14 15	62 2003	
1644	8.4	22 24.44	2.6496	.0414	62 42 59.6	19.776	.055	19.8	7 73 76	62 2007	MZ 11645
1645	8.2	22 26.05	2.6373	.0421	63 23 47.0	19.776	.054	20.2	82 84 87	63 1892	
1646	5.9	11 22 28.01	+2.6345	+.0423	−63 33 31.1	−19.777	−.054	21.2	154 155 163	63 1893	L 4747, 31G Cent.
1647	8.1	23 28.87	2.6670	.0416	62 24 25.1	19.791	.053	19.5	2 3 74	62 2018	
1648	9.2	24 5.20	2.6314	.0445	64 42 4.3	19.799	.052	20.2	9 78 159	64 1663	
1649	8.2	24 6.85	2.6600	.0428	63 12 18.9	19.800	.052	19.9	10 80 88	62 2024	
1650	8.6	24 34.69	2.6793	.0420	62 23 31.3	19.806	.052	20.2	82 84 87	62 2026	

(a) p 2ˢ ★ 9.6 0′7N. (b) p 12ˢ ★ 9.3 0′68. (c) p ✱ al S. (1) 162. (2) 162.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1651	9.1	11h24m42s.37	+2s.6565	+s.0438	−63°46′37″.7	−19″.808	−″.051	20.3	11 169	63 1896	
1652[a]	7.8	24 43.11	2.6172	.0463	65 46 36.1	19.808	.050	19.4	12 14 15	65 1668	
1653	7.9	25 9.64	2.6165	.0469	66 4 33.8	19.814	.049	21.2	154 155 163	65 1669	Musc. M_1 563
1654	8.6	25 10.48	2.6491	.0449	64 28 26.3	19.814	.050	20.2	8 77 158	64 1665	
1655	8.4	25 23.88	2.6754	.0434	63 9 42.7	19.817	.050	19.8	4 17 75 79	62 2032	
1656	8.9	11 25 29.09	+2.6872	+.0426	−62 31 3.0	−19.818	−.050	19.5	2 3 74	62 2033	
1657	8.2	25 31.02	2.6921	.0423	62 14 21.7	19.818	.050	21.3	160 161 162	61 2350	
1658	9.0	25 36.19	2.6779	.0435	63 9 9.9	19.819	.050	21.9	6 169 195	62 2035	DCó
1659	8.9	25 50.22	2.6755	.0440	63 26 49.8	19.823	.049	19.9	7 73 76	63 1900	
1660	7.0	25 52.87	2.6813	.0436	63 8 26.6	19.823	.050	20.6	16 18 158 160(1)	62 2039	
1661	8.8	11 25 59.79	+2.6968	+.0426	−62 16 40.3	−19.825	−.050	20.2	9 78 159	62 2042	
1662	8.8	26 8.08	2.7009	.0424	62 6 47.7	19.826	.050	21.3	160 162 163	61 2357	
1663	9.2	26 11.53	2.6765	.0444	63 37 50.5	19.827	.049	19.9	10 80 88	63 1902	
1664	9.1	26 19.97	2.6892	.0436	62 58 24.9	19.829	.049	20.2	82 84 87	62 2046	
1665	9.0	26 34.34	2.7045	.0428	62 11 17.2	19.832	.049	21.4	165 169	61 2361	
1666	8.6	11 26 59.55	+2.6980	+.0438	−62 53 25.2	−19.837	−.048	21.2	154 155 163	62 2062	
1667	8.3	27 1.31	2.6898	.0445	63 24 12.9	19.838	.048	20.6	11 156 165	63 1904	
1668	8.9	27 3.49	2.6842	.0450	63 46 1.6	19.838	.048	19.3	12 14	63 1905	
1669	7.9	27 15.77	2.7092	.0433	62 22 22.1	19.841	.048	19.7	8 77	62 2065	
1670[b]	8.3	27 42.18	2.7116	.0438	62 31 59.2	19.846	.047	19.5	2 3 74	62 2075	
1671	9.0	11 27 47.55	+2.7089	+.0441	−62 46 22.4	−19.847	−.047	20.2	75 79	62 2077	
1672	8.8	27 49.66	2.6656	.0476	65 19 41.8	19.848	.046	20.2	6 158	65 1675	
1673	8.9	28 5.49	2.7116	.0443	62 49 1.5	19.851	.046	19.8	7 73 76	62 2080	
1674[c]	9.0	28 15.54	2.7104	.0447	63 0 39.9	19.853	.046	20.8	18 160 161 162	62 2081	
1675	8.3	28 16.91	2.6775	.0474	64 59 19.8	19.853	.045	20.6	9 159 165	64 1668	
1676[d]	8.5	11 28 20.19	+2.6594	+.0489	−65 59 34.0	−19.854	−.045	19.9	10 80 88	65 1676	
1677	8.9	28 25.57	2.7048	.0454	63 29 21.7	19.855	.046	20.2	82 84 87	63 1910	
1678	8.5	28 40.67	2.7076	.0455	63 29 42.6	19.858	.045	19.7	11 87	63 1911	
1679	8.6	28 50.55	2.7301	.0438	62 8 1.5	19.860	.045	21.2	154 155 163	61 2391	
1680	8.1	29 19.94	2.6824	.0487	65 26 57.4	19.866	.044	19.7	8 77	65 1680	
1681	8.7	11 29 27.96	+2.7208	+.0456	−63 13 57.4	−19.867	−.044	19.9	19 75 79	62 2094	
1682	9.2	29 51.63	2.7333	.0450	62 41 24.5	19.872	.044	20.2	6 158	62 2096	
1683[e]	8.9	30 8.29	2.7247	.0463	63 28 52.6	19.875	.043	19.9	7 73 76	63 1919	Dh 4452
1684	9.2	30 11.38	2.7391	.0450	62 32 42.5	19.875	.043	20.8	18 160 161 162	62 2100	
1685	7.8	30 48.39	2.7087	.0489	64 59 42.9	19.882	.042	19.9	10 80 88	64 1677	
1686	8.7	11 31 6.12	+2.7350	+.0469	−63 32 24.9	−19.886	−.042	19.5	2 3 74	63 1923	
1687	8.7	32 11.97	2.7621	.0459	62 29 55.7	19.898	.040	20.6	9 159 163	62 2126	
1688	4.0	32 18.75	2.7619	.0461	62 36 17.2	19.899	.040	19.4	12 14 15	62 2127	F. λ Centauri
1689	8.6	32 33.41	2.7195	.0510	65 40 33.2	19.901	.039	19.8	7 73 76	65 1689	
1690[f]	9.2	32 51.23	2.7111	.0524	66 24 14.8	19.904	.038	21.3	163 165 169	66 1617	
1691	9.3	11 33 14.09	+2.7265	+.0516	−65 46 58.1	−19.908	−.038	20.5	11 156 157	65 1691	
1692	9.0	33 23.30	2.7792	.0460	62 11 28.3	19.910	.039	20.2	82 84 87	61 2444	
1693	8.9	33 27.01	2.7698	.0472	62 58 57.9	19.910	.038	19.7	3 74	62 2142	
1694	9.3	33 49.25	2.7514	.0500	64 38 9.3	19.914	.037	19.9	10 80 88	64 1680	
1695	8.7	33 53.09	2.7779	.0471	62 44 3.9	19.915	.038	19.7	8 77	62 2147	
1696	8.9	11 33 54.62	+2.7766	+.0473	−62 51 38.0	−19.915	−.037	20.8	18 160 161 162	62 2148	
1697	8.5	33 58.89	2.7721	.0479	63 16 3.8	19.916	.037	20.2	82 84 87	62 2150	
1698[g]	8.9	34 2.28	2.7771	.0475	62 55 56.8	19.916	.037	21.2	154 155 164 165	62 2151	
1699[h]	7.5	34 18.57	2.7805	.0476	62 54 28.4	19.919	.037	19.9	19 75 76	62 2154	MZ 11675
1700	8.9	34 25.32	2.7813	.0477	62 56 49.7	19.920	.037	20.2	6 158	62 2156	

(a) p 17s 0′7S. (b) s 4s ★ d 1′4S. (c) s 12s ★ 0′1S. (d) s 10s ★ 9.2 0′4S. (e) p 1s ★ 9.5 0′2N. (f) s 4s ★ 9.2 0′7N.
(g) s 15s ★ 9.1 0′8N y s 16s ★ 7.5 1′4N. (h) p 16s ★ 8.9 1′4S. (1) 161.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1701[a]	8.6	11h 34m 28s.50	+2s.7824	+s.0476	−62° 54′ 4″.7	−19″.921	−″.037	20.2	7 158	62° 2158	
1702	7.7	34 36.00	2.7522	.0515	65 14 24.9	19.922	.036	19.4	12 14 15	64 1682	Musc. L 4848
1703	7.7	34 39.55	2.7860	.0475	62 46 53.6	19.922	.036	19.8	11 88	62 2163	DC5
1704[b]	8.6	34 41.92	2.7841	.0479	62 58 31.7	19.923	.036	20.6	9 159 165	62 2164	
1705[c]	7.2	34 50.05	2.7858	.0479	62 57 26.5	19.924	.036	19.5	2 3 74	62 2168	D Lac 4829
1706	8.4	11 34 52.41	+2.7884	+.0476	−62 47 7.3	−19.924	−.036	19.9	10 80 88	62 2171	
1707	9.0	35 29.61	2.7917	.0484	63 5 14.4	19.930	.035	21.2	154 155 165	62 2185	
1708	8.0	35 32.51	2.7932	.0484	63 0 51.5	19.931	.035	19.5	16 18	62 2186	
1709	8.9	35 39.18	2.7958	.0482	62 53 55.6	19.932	.035	20.2	82 84 87	62 2188	
1710	8.9	35 41.84	2.7938	.0486	63 6 17.8	19.932	.035	19.7	8 77	62 2190	
1711	7.7	11 35 44.94	+2.8014	+.0477	−62 31 2.2	−19.933	−.035	20.0	19 75 79	62 2191	
1712	8.4	35 45.52	2.8024	.0475	62 26 15.7	19.933	.035	21.3	158 163	62 2192	
1713	8.8	35 57.20	2.8070	.0473	62 13 21.4	19.935	.035	21.3	156 157 169	61 2487	
1714	6.1	36 0.49	2.7735	.0519	64 58 54.6	19.935	.034	19.8	7 73 76	64 1685	Muscae DL 4843, 12 G
1715	8.4	36 14.47	2.8006	.0488	63 3 44.0	19.937	.034	19.3	12 15	62 2205	
1716	8.6	11 36 17.23	+2.7861	+.0509	−64 17 8.4	−19.938	−.034	20.6	9 159 163	64 1686	
1717	7.9	36 18.34	2.8013	.0488	63 3 46.9	19.938	.034	19.5	2 3 74	62 2206	D Bris 3706
1718	9.0	36 21.83	2.8000	.0491	63 13 31.0	19.938	.034	19.9	10 80 88	62 2208	
1719	8.9	36 32.91	2.7817	.0520	64 51 56.9	19.940	.033	19.7	8 77	64 1687	
1720	9.0	36 55.44	2.8114	.0487	62 47 52.6	19.943	.033	20.2	82 84 87	62 2222	
1721	8.3	11 36 57.07	+2.7970	+.0508	−64 2 53.1	−19.944	−.033	19.5	16 18	63 1940	
1722[d]	6.8	37 4.17	2.8201	.0477	62 9 8.4	19.945	.033	21.3	155 163 164 165	61 2508	D
1723	8.8	37 25.48	2.8226	.0481	62 16 36.2	19.948	.032	20.2	6 158	62 2223	
1724	8.8	37 55.12	2.8274	.0484	62 20 50.9	19.952	.031	19.4	12 14 15	62 2232	
1725	7.7	38 5.20	2.8178	.0503	63 24 48.4	19.953	031	19.8	4 19 75 79	63 1943	
1726	8.7	11 38 16.28	+2.8244	+.0497	−62 59 55.1	−19.955	−.031	19.5	16 18	62 2234	
1727	8.0	38 22.14	2.8214	.0504	63 22 45.9	19.956	.030	20.2	82 84 87	63 1944	
1728	8.8	38 25.64	2.7885	.0556	66 9 24.6	19.956	.030	20.5	11 156 157	65 1700	
1729	7.8	38 52.17	2.8341	.0495	62 43 34.2	19.960	.030	19.8	7 73 76	62 2237	
1730[e]	8.4	39 14.58	2.8440	.0487	62 8 56.9	19.963	.029	20.8	88 158	61 2550	
1731	8.0	11 39 16.01	+2.8288	+.0514	−63 40 4.1	−19.963	−.029	21.3	154 155 163 169	63 1947	
1732	8.4	39 46.85	2.8102	.0558	65 50 29.8	19.967	.028	20.2	82 84 87	65 1704	
1733	8.4	40 6.33	2.8471	.0503	62 49 5.2	19.969	.027	20.6	9 159 163	62 2249	
1734	7.0	40 17.20	2.8526	.0498	62 27 41.7	19.971	.027	19.4	12 14 15	62 2250	Lac 4869
1735	8.9	40 22.65	2.8488	.0506	62 57 48.1	19.971	.027	19.6	4 19 75	62 2251	
1736[f]	8.7	11 40 23.54	+2.8568	+.0492	−62 7 21.8	−19.972	−.027	20.2	82 84 87	61 2571	
1737[g]	8.6	40 40.75	2.8598	.0494	62 8 48.2	19.974	.027	20.2	80 88	61 2576	
1738	8.5	41 29.52	2.8600	.0515	63 7 27.7	19.980	.025	19.5	16 18	62 2264	
1739	8.9	41 36.19	2.8610	.0517	63 9 32.0	19.980	.025	19.4	12 14 15	62 2267	
1740	4.3	42 3.36	2.8345	.0583	66 18 46.4	19.983	.024	21.9	163 195	66 1640	D F. 7 Muscae
1741	9.0	11 42 54.58	+2.8575	+.0564	−65 10 24.8	−19.989	−.023	21.2	154 155 163	64 1705	
1742[h]	9.0	42 57.18	2.8450	.0592	66 26 24.6	19.989	.022	21.3	158 165	66 1641	
1743	7.6	43 0.05	2.8665	.0547	64 20 57.2	19.990	.023	20.8	9 159 164 165	64 1706	
1744	8.7	43 33.96	2.8911	.0509	62 12 40.9	19.993	.022	21.2	156 157 165	61 2621	
1745	9.2	43 42.78	2.8864	.0524	63 0 38.9	19.994	.022	20.2	82 84 87	62 2295	
1746	8.8	11 43 43.01	+2.8875	+.0522	−62 53 5.3	−19.994	−.022	19.5	16 18	62 2294	
1747[i]	7.9	44 0.94	2.8675	.0579	65 35 24.9	19.996	.021	19.9	10 80 88	65 1719	
1748	8.9	44 18.21	2.8774	.0566	64 54 23.6	19.998	.020	19.8	4 19 75 79	64 1711	
1749[j]	8.9	44 28.41	2.8724	.0585	65 42 6.7	19.999	.020	19.5	2 3 74	65 1723	D
1750	8.8	44 34.37	2.9008	.0517	62 24 22.9	19.999	.020	19.8	7 73 76	62 2310	

(a) *p* 10ᵉ ★ 7.5 0′48, *p* 2ᵉ ★ 9.3 1′7S y *s* 10ᵉ ★ 9.7 1′6S. (b) *s* 8ᵉ ★ 7.2 1′N y *s* $\overset{*}{*}$ = *d*. (c) *p* 8ᵉ ★ 8.6 1′1S.
(d) D *t s*. (e) *p* 6ᵉ ★ 9.8 0′5S y *p* $\overset{*}{*}$ al S. (f) P 10ᵉ ★ D 1′7N, última de un ◇. (g) *p* un ◇. (h) *s* 23ª 0′2S.
(i) *p* 18ᵉ ★ 9.2 0′7N. (j) D *t s*.

N°	M	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1751	6.5	11h44m37s.30	+2s.8677	+s.0602	−66°23′51″.4	−20″.000	−″.020	21.3	158 163	66°1649	α Muscae
1752	9.2	45 8.99	2.8929	.0558	64 18 42.5	20.003	.019	19.7	8 77	64 1712	
1753	5.0	46 1.38	2.9103	.0543	63 22 17.7	20.008	.017	21.3	154 155 163 169	63 1988	[Centauri J L 4903, 69 G
1754 a	8.3	46 3.19	2.9192	.0519	62 6 46.5	20.008	.018	20.2	80 88	61 2664	
1755	9.0	46 14.46	2.8941	.0599	65 49 38.2	20.009	.017	20.7	18 160 161	65 1729	
1756	9.3	11 46 37.65	+2.9240	+.0526	−62 20 40.3	−20.011	−.016	19.4	12 14 15	62 2342	
1757	6.6	46 46.21	2.9263	.0524	62 13 56.4	20.011	.016	20.2	79 82 84 87	61 2677	[Centauri L 4908, 70 G
1758	8.4	46 58.74	2.9292	.0523	62 8 5.5	20.012	.016	21.2	156 157 163	61 2681	
1759	8.7	47 4.32	2.9234	.0546	63 13 59.6	20.013	.015	20.2	6 158	62 2350	
1760 b	9.0	47 40.79	2.9348	.0534	62 29 53.0	20.016	.015	19.5	2 3 74	62 2356	
1761 c	9.0	11 47 44.43	+2.9374	+.0528	−62 10 39.0	−20.016	−.014	21.3	157 163 165	61 2699	
1762 d	9.0	48 0.73	2.9387	.0535	62 28 9.0	20.017	.014	20.2	82 84	62 2360	
1763 e	7.4	48 7.86	2.9298	.0572	64 10 42.9	20.018	.014	21.2	154 155 165	63 2003	
1764	5.0	48 10.40	2.9263	.0586	64 47 19.4	20.018	.013	20.9	9 159 164 165(1)	64 1724	[Muscae D L 4920, 18 G
1765 f	9.0	48 44.95	2.9373	.0575	64 10 12.0	20.021	.013	20.9	82 84 160 161(2)	63 2014	
1766 g	8.0	11 48 50.76	+2.9465	+.0544	−62 45 10.4	−20.021	−.012	19.9	10 80 88	62 2373	MZ 11712
1767	9.3	48 52.04	2.9488	.0537	62 21 46.9	20.021	.012	19.4	12 14 15	62 2374	
1768 h	8.4	49 13.49	2.9391	.0592	64 49 27.6	20.023	.012	20.6	9 159 163	64 1728	
1769 i	9.0	49 17.65	2.9448	.0574	64 0 4.0	20.023	.012	19.5	75 79	63 2021	
1770	7.4	49 38.00	2.9432	.0599	64 59 13.3	20.024	.011	20.2	6 158	64 1729	Musc. L 4927
1771	8.9	11 49 48.48	+2.9489	+.0585	−64 22 14.8	−20.025	−.011	19.8	7 73 76	64 1730	
1772	7.8	50 1.27	2.9487	.0598	64 52 19.9	20.026	.010	19.7	8 77	64 1731	
1773 j	8.9	50 29.19	2.9632	.0562	63 9 56.9	20.028	.009	19.5	2 3 74	62 2403	
1774	9.0	50 46.46	2.9690	.0551	62 36 26.2	20.029	.009	21.3	155 163 165	62 2406	D
1775	7.9	50 48.84	2.9663	.0566	63 16 58.9	20.029	.009	20.2	82 84 87	63 2031	
1776 k	8.7	11 50 58.17	+2.9609	+.0602	−64 48 5.9	−20.029	−.009	19.5	16 17 18	64 1734	
1777	7.1	51 0.93	2.9554	.0632	65 57 26.2	20.029	.009	19.4	12 14 15	65 1744	
1778	8.9	51 8.62	2.9567	.0634	66 0 53.9	20.030	.008	19.2	9 11	65 1746	
1779	7.2	51 15.51	2.9733	.0560	62 51 42.4	20.030	.008	19.9	10 80 88	62 2408	
1780 l	8.5	51 16.58	2.9765	.0544	62 9 36.7	20.030	.008	21.3	158 165	61 2780	
1781 ll	8.4	11 51 31.36	+2.9618	+.0636	−65 59 24.7	−20.031	−.008	21.3	159 164 169	65 1747	
1782	8.8	51 35.95	2.9740	.0578	63 37 42.0	20.031	.007	20.0	19 75 79	63 2035	
1783	8.0	51 36.93	2.9756	.0570	63 17 9.6	20.031	.007	19.7	6 82	63 2036	
1784 m	9.3	52 12.25	2.9858	.0555	62 27 54.5	20.033	.006	20.2	73 76	62 2433	
1785	9.2	52 12.77	2.9845	.0562	62 46 39.6	20.033	.006	19.7	8 77	62 2434	
1786	8.4	11 52 14.07	+2.9791	+.0595	−64 12 56.7	−20.033	−.006	19.5	2 3 74	63 2089	
1787	8.8	52 21.63	2.9843	.0574	63 16 50.3	20.034	.006	21.3	155 163 165	63 2041	
1788	8.2	52 44.03	2.9883	.0577	63 22 29.3	20.035	.005	20.0	15 82 84 87	63 2046	
1789	9.0	52 49.65	2.9913	.0566	62 50 47.3	20.035	.005	19.5	16 17 18	62 2444	
1790	8.9	52 51.03	2.9897	.0578	63 22 15.8	20.035	.005	19.3	12 14	63 2047	
1791	9.0	11 53 2.71	+2.9909	+.0586	−63 39 19.1	−20.036	−.005	20.5	11 156 157	63 2049	
1792	9.2	53 5.63	2.9964	.0553	62 11 30.7	20.036	.005	21.3	160 161 162	61 2814	
1793	7.7	53 11.22	2.9954	.0568	62 49 53.6	20.036	.005	19.9	10 80 88	62 2455	
1794	8.2	53 20.52	2.9957	.0578	63 15 33.3	20.036	.004	20.6	9 159 163	62 2459	
1795	9.0	53 28.86	2.9867	.0654	66 10 33.7	20.037	.004	20.0	19 75 79	65 1756	
1796 n	9.0	11 53 34.07	+3.0000	+.0568	−62 43 40.5	−20.037	−.004	21.3	158 165	62 2462	D
1797	9.0	53 37.11	2.9915	.0633	65 23 38.7	20.037	.004	19.7	8 77	65 1757	
1798	8.8	53 37.71	2.9960	.0601	64 11 6.7	20.037	.004	19.9	7 73 76	63 2054	
1799	8.2	54 11.57	3.0005	.0623	64 54 16.3	20.038	.003	19.5	2 3 74	64 1751	
1800	9.0	54 15.90	3.0034	.0607	64 16 17.6	20.039	.003	21.3	155 164 165	63 2062	

(a) p ✱ 0′1N. (b) s 20s ✱ 9.0 1′2N. (c) p 2s ✱ 9.4 0′4N. (d) p 20s ✱ 9.0 1′8S. (e) D l s, s 37s ✱ 8.8 0′5N.
(f) p 8s ✱ 9.9 1′2S. (g) p 22s ✱ 9.0 0′9S. (h) p 16s ✱ 9.5 0′2S.
(i) p 4s ✱ 9.9 0′4N, p 2s ✱ 9.0 = δ y p 1s ✱ 9.1 = δ. (j) p ✱ N. (k) p 8s ✱ 9.9 1′2S. (l) p 3s ✱ 9.4 = δ.
(ll) p 30s ✱ 7.1 2′N y p 22s ✱ 8.9 1′4S. (m) p 19s ✱ 10.0 0′1S. (n) D l s. (1) 169. (2) 162.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1801	9.2	11h54 32s.71	+3s.0072	+s.0605	−64° 7′16″.7	−20″.039	−″.002	20.2	82 84 87	63°2067	
1802	9.3	54 48.35	3.0101	.0609	64 12 44.2	20.040	.002	19.5	16 17 18	63 2070	
1803	6.4	54 59.97	3.0132	.0602	63 55 19.3	20.040	.001	19.4	12 14 15	63 2073	L 4963.3 G Cruc.
1804	8.8	55 3.41	3.0173	.0570	62 33 24.7	20.040	.001	20.5	11 156 157	62 2476	
1805[a]	8.8	55 3.99	3.0133	.0609	64 10 31.9	20.040	.001	19.9	10 80 88	63 2077	
1806	8.8	11 55 7 34	+3.0143	+.0607	−64 4 41.7	−20.040	−.001	20.6	9 159 163	63 2078	
1807	8.4	55 23.70	3.0155	.0615	64 52 52.4	20.041	.000	20.0	19 75 79	64 1757	
1808	8.8	55 23.81	3.0169	.0629	64 20 33.0	20.041	.000	21.3	6 158 199	64 1759	
1809[b]	8.4	55 25.69	3.0219	.0568	62 21 32.9	20.041	.000	19.9	7 73 76	62 2480	DG5
1810	7.1	55 37.14	3.0239	.0570	62 24 48.5	20.041	.000	20.0	8 77 82 84(1)	62 2485	
1811	8.9	11 55 41.50	+3.0190	+.0634	−64 58 38.9	−20.041	.000	19.5	2 3 74	64 1764	
1812[c]	8.8	55 49.42	3.0250	.0584	62 59 4.3	20.042	+.001	21.3	155 163 165	62 2492	
1813	8.5	56 0.06	3.0282	.0572	62 24 51.0	20.042	+.001	20.2	77 82 84 87	62 2498	R, MZ 11728
1814	7.9	56 17.90	3.0319	.0567	62 8 35.3	20.042	+.001	21.3	160 161 162	61 2869	
1815	8.5	56 17.97	3.0297	.0596	63 24 6.8	20.042	+.001	19.5	17 18	63 2090	
1816	8.8	11 56 23.78	+3.0263	+.0657	−65 39 37.5	−20.042	+.002	19.4	12 14 15	65 1767	
1817	9.3	56 35.21	3.0340	.0583	62 49 2.2	20.043	.002	20.5	11 156 157	62 2512	
1818	8.4	56 56.86	3.0372	.0600	63 25 52.5	20.043	.002	19.9	10 80 88	63 2096	
1819	9.0	57 9.82	3.0406	.0586	62 48 6.5	20.043	.003	20.6	9 159 165	62 2521	
1820	9.0	57 14.84	3.0409	.0598	63 17 42.5	20.043	.003	20.0	19 75 79	63 2097	
1821	8.7	11 57 21.61	+3.0415	+.0613	−63 49 50.3	−20.044	+.003	20.9	6 158 195	63 2098	
1822	8.8	57 30.07	3.0434	.0609	63 39 53.0	20.044	.004	19.9	7 73 76	63 2100	
1823[d]	8.5	57 33.87	3.0459	.0574	62 11 31.3	20.044	.004	21.3	160 161 162	61 2888	
1824	8.7	57 46.48	3.0458	.0627	64 18 22.4	20.044	.004	19.7	8 77	64 1770	
1825	8.8	57 46.99	3.0473	.0598	63 8 44.9	20.044	.004	19.5	2 3 74	62 2526	
1826	8.9	11 57 57.01	+3.0461	+.0671	−65 51 5.3	−20.044	+.005	21.3	155 163 164 165	65 1771	D δ 59
1827	9.0	58 13.63	3.0526	.0592	62 50 18.8	20.044	.005	20.2	82 84 87	62 2531	
1828	8.0	58 18.50	3.0522	.0632	64 22 49.1	20.044	.005	19.5	17 18	64 1772	
1829	8.8	58 19.14	3.0533	.0605	63 20 6.3	20.044	.005	19.3	12 14	63 2105	
1830	8.9	58 23.41	3.0543	.0599	63 5 16.2	20.044	.005	20.5	11 156 157	62 2534	
1831	8.3	11 58 25.74	+3.0548	+.0598	−63 3 11.0	−20.044	+.005	19.9	10 80 88	62 2536	
1832	8.2	58 38.91	3.0575	.0589	62 39 11.0	20.045	.006	20.6	9 159 163	62 2537	
1833	8.5	58 59.08	3.0600	.0659	65 13 13.4	20.045	.006	20.0	19 75 79	64 1776	
1834	7.9	59 7.01	3.0630	.0582	62 15 16.2	20.045	.007	21.3	160 161 162	61 2915	
1835	8.4	59 8.65	3.0620	.0663	65 17 52.2	20.045	.007	19.8	7 73 76	65 1776	
1836[e]	9.0	11 59 9.15	+3.0630	+.0606	−63 14 19.4	−20.045	+.007	20.9	6 158 195	62 2542	
1837	5.1	59 11.79	3.0637	.0598	62 53 43.8	20.045	.007	19.7	8 77	62 2543	F, Θ′ Crucis
1838	9.0	59 12.34	3.0625	.0678	65 47 33.0	20.045	.007	21.3	155 165	65 1777	
1839[f]	8.9	59 13.40	3.0639	.0602	63 1 32.6	20.045	.007	20.2	82 84 87	62 2544	
1840	8.7	59 18.75	3.0640	.0667	65 24 59.6	20.045	.007	19.5	17 18	65 1779	D δ 60
1841	8.1	11 59 22.07	+3.0653	+.0626	−63 56 1.2	−20.045	+.007	20.6	12 160 161	63 2115	
1842[g]	8.8	59 26.90	3.0663	.0615	63 30 33.2	20.045	.007	20.5	11 156 157	63 2116	
1843	7.8	59 32.00	3.0676	.0585	62 16 42.3	20.045	.008	19.9	10 80 88	62 2549	
1844	8.4	59 36.57	3.0683	.0604	63 2 32.9	20.045	.008	20.3	9 159	62 2551	
1845	9.0	59 48.74	3.0707	.0588	62 23 9.2	20.045	.008	19.5	2 3 74	62 2555	
1846	9.0	12 0 3.26	+3.0734	+.0596	−62 37 59.8	−20.045	+.009	20.0	19 75 79	62 2558	
1847	8.8	0 4.90	3.0738	.0620	63 35 18.5	20.045	.009	21.0	6 158 195	63 2122	
1848	7.6	0 11.85	3.0752	.0635	64 7 16.5	20.045	.009	19.9	7 73 76	63 2124	
1849[h]	8.6	0 21.21	3.0772	.0660	64 58 3.2	20.045	.009	21.0	103 162 164	64 1782	Crucis Θ′
1850	5.4	0 26.66	3.0778	.0601	62 44 53.2	20.045	.009	20.7	74 159	62 2561	L 4999. 7 G

(a) *p* 17s ✱ 9.2 0′1S. (b) D *t p*. (c) *s* 3s ✱ 9.2 2′N. (d) *p* 13 ✱ 9.1 0′2S. (e) *s* 3s1′N.
(f) *s* 2s ✱ 9.8 0′6N. (g) *p* 34s 0′2S, *s* 8s 2′N. (h) = *z* ✱ 9.8 1′S. (1) 87.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1851	8.8	12h 0m 35s.98	+3s.0808	+s.0705	−66°23′14″.0	−20″.045	+″.010	21.2	155 156 165	66°1696	
1852	8.4	0 40.00	3.0805	.0612	63 9 34.5	20.045	.010	20.2	77 87	62 2563	
1853	9.0	0 43.12	3.0808	.0593	62 29 10.5	20.045	.010	20.8	76 88 162 163	62 2564	MZ 11739
1854 a	9.1	1 1.63	3.0846	.0613	63 8 20.5	20.045	.011	21.0	91 96 160 161	62 2569	
1855	7.4	1 30.24	3.0897	.0601	62 33 30.7	20.044	.012	20.3	92 97	62 2593	
1856	7.4	12 1 38.00	+3.0922	+.0636	−63 51 22.0	−20.044	+.012	20.3	93 98	63 2139	
1857	9.1	1 51.49	3.0942	.0616	63 5 11.3	20.044	.012	21.0	99 159 160 161	62 2575	
1858	7.0	1 59.40	3.0978	.0674	65 7 46.7	20.044	.013	20.3	95 100	64 1791	
1859 b	6.9	2 28.82	3.1042	.0682	65 17 29.6	20.044	.013	21.2	155 156 165	65 1788	D*h* 4498
1860	8.6	2 38.50	3.1060	.0677	65 4 31.2	20.044	.014	19.9	19 84	64 1795	
1861	8.8	12 2 45.08	+3.1050	+.0632	−63 31 23.5	−20.043	+.014	19.7	16 17 18 82	63 2143	
1862	5.4	2 57.34	3.1085	.0652	64 11 43.1	20.043	.014	20.6	80 103 158	63 2145	D$_4$ Cruc., *h* 4501
1863	8.9	3 18.73	3.1103	.0614	62 43 31.1	20.043	.015	19.8	12 89	62 2580	
1864	8.6	3 21.83	3.1131	.0649	64 1 20.4	20.043	.015	20.5	11 90 162 163	63 2146	
1865	7.5	3 22.51	3.1137	.0656	64 15 51.6	20.043	.015	19.7	10 71	63 2147	
1866	8.8	12 3 30.18	+3.1176	+.0692	−65 28 55.4	−20.043	+.016	20.9	74 159 160 161	65 1791	
1867	8.7	5 13.38	3.1387	.0695	65 11 53.6	20.040	.019	20.2	77 87	64 1802	
1868	9.2	5 16.74	3.1327	.0624	62 46 48.9	20.040	.019	20.2	76 88	62 2593	
1869	8.2	5 18.85	3.1345	.0639	63 18 49.4	20.039	.019	20.3	91 96	63 2158	
1870	8.0	5 19.21	3.1415	.0712	65 41 25.7	20.039	.019	20.3	92 97	65 1799	
1871	8.9	12 5 25.08	+3.1361	+.0644	−63 27 25.6	−20.039	+.019	20.3	93 98	63 2159	
1872	7.4	5 26.19	3.1361	.0642	63 24 10.5	20.039	.019	20.1	17 99 103	63 2160	
1873	8.8	5 36.73	3.1437	.0698	65 12 47.6	20.039	.020	20.3	95 100	64 1804	
1874	8.1	5 47.64	3.1368	.0611	62 9 52.1	20.038	.020	21.2	155 156 165	61 2987	
1875	8.1	5 52.72	3.1416	.0647	63 29 54.6	20.038	.020	19.9	19 84	63 2162	
1876	9.0	12 5 54.94	+3.1417	+.0645	−63 24 46.1	−20.038	+.020	19.7	16 18 82	63 2164	
1877	8.9	6 3.48	3.1439	.0651	63 35 0.6	20.038	.021	21.1	80 158 159 160(1)	63 2166	
1878	8.7	6 13.68	3.1473	.0664	64 1 22.7	20.037	.021	20.7	12 89 159 162(2)	63 2168	
1879	8.9	6 25.49	3.1470	.0641	63 11 32.0	20.037	.021	19.8	11 90	62 2604	
1880	8.9	6 31.98	3.1498	.0656	63 41 0.3	20.037	.022	19.7	10 71	63 2172	
1881 c	8.9	12 6 54.00	+3.1566	+.0678	−64 20 53.2	−20.036	+.022	20.3	74 103	64 1810	
1882	8.3	7 22.43	3.1592	.0656	63 33 2.1	20.034	.023	20.2	77 87	63 2178	
1883 d	9.1	7 43.48	3.1696	.0705	65 2 49.1	20.033	.024	20.2	76 88	64 1813	
1884	8.1	7 44.64	3.1676	.0688	64 31 50.3	20.033	.024	20.3	91 96	64 1815	
1885	9.1	7 46.84	3.1622	.0645	63 6 4.0	20.033	.024	20.3	92 97	62 2615	
1886	8.8	12 7 47.20	+3.1618	+.0641	−62 57 22.9	−20.033	+.024	20.3	93 98	62 2616	
1887	9.1	7 53.62	3.1697	.0690	64 35 34.5	20.033	.024	21.1	99 158 159 160(3)	64 1817	
1888	8.1	8 0.90	3.1644	.0643	62 57 48.5	20.033	.025	20.3	95 100	62 2619	MZ 11747
1889	6.8	8 1.17	3.1691	.0676	64 5 35.5	20.033	.025	21.2	155 156 165	63 2185	
1890	8.8	8 5.76	3.1779	.0733	65 49 2.9	20.032	.025	19.9	19 84	65 1812	
1891	7.5	12 8 11.53	+3.1667	+.0645	−63 2 11.9	−20.032	+.025	19.6	16 17 18 82	62 2622	
1892	6.8	8 22.68	3.1668	.0632	62 32 0.9	20.031	.025	21.0	80 159 162 163	62 2624	
1893	9.0	8 30.31	3.1821	.0727	65 35 22.1	20.031	.026	19.8	12 89	65 1813	
1894	9.2	8 42.61	3.1733	.0652	63 10 58.5	20.030	.026	19.8	4 90	62 2626	
1895	9.2	9 8.68	3.1824	.0680	64 3 27.7	20.029	.027	19.7	10 71	63 2189	
1896	8.2	12 9 17.94	+3.1901	+.0718	−65 12 10.9	−20.028	+.027	20.3	74 103	64 1823	
1897	8.3	9 45.20	3.1821	.0638	62 30 52.4	20.027	.028	20.2	77 87	62 2633	
1898	8.9	10 11.23	3.1959	.0692	64 14 39.8	20.025	.029	21.0	88 160 161 164	63 2201	
1899	7.2	10 14.34	3.2077	.0757	66 7 54.6	20.025	.029	20.3	91 96	65 1819	
1900	6.7	10 15.18	3.1953	.0684	63 59 30.1	20.025	.029	20.3	92 97	63 2203	

(a) *p* 20s ★ 8.4 1′28, *p* 2s ★ 9.6 1′8N. (b) D *t p*. (c) *s* 9s *d* 0′28. (d) *s* 3s ★ 9.0 2′8. (1) 161. (2) 163. (3) 161.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec	Ep. 1900	Zonas	C. P. D.	Obser.
1901	6.9	12h10m23ˢ.18	+3ˢ.2095	+ˢ.0757	−66° 6′27″.8	−20″.024	+″.030	20.3	93 98	65°1820	
1902[a]	9.0	10 32.19	3.1901	.0637	62 21 28.2	20.024	.030	21.0	99 159 162	62 2639	
1903	8.6	10 55.12	3.2036	.0690	64 2 36.2	20.022	.031	20.3	95 100	63 2207	
1904	8.8	10 56.95	3.2044	.0692	64 7 33.8	20.022	.031	21.2	155 156 165	63 2208	
1905	9.0	11 7.37	3.2104	.0714	64 45 41.9	20.021	.031	19.9	19 84	64 1831	
1906	8.4	12 11 15.49	+3.1987	+.0644	−62 28 16.1	−20.021	+.031	19.7	17 18 82	62 2646	
1907	8.5	11 16.78	3.2019	.0659	63 0 28.6	20.021	.032	20.3	80 103	62 2648	
1908	8.7	11 16.94	3.2024	.0662	63 5 25.4	20.021	.032	19.8	12 89	62 2647	
1909	8.5	11 20.23	3.2093	.0695	64 9 29.8	20.020	.032	19.8	11 90	63 2211	
1910	8.9	11 20.69	3.2165	.0733	65 17 22.8	20.020	.032	19.7	10 71	65 1826	
1911[b]	8.7	12 11 26.86	+3.1990	+.0635	−62 7 19.4	−20.020	+.032	21.1	74 158 159 160[1]	61 3049	D Aguilar
1912	9.0	11 33.30	3.2130	.0702	64 20 1.1	20.019	.032	20.2	77 87	64 1833	
1913[c]	8.8	11 52.31	3.2120	.0679	63 33 50.8	20.018	.033	20.2	76 88	63 2216	
1914	8.3	11 58.30	3.2210	.0719	64 46 33.4	20.018	.033	20.3	91 96	64 1835	
1915	9.0	12 0.99	3.2188	.0705	64 21 44.8	20.017	.033	20.3	92 97	64 1836	
1916	8.0	12 12 4.03	+3.2254	+.0736	−65 15 6.0	−20.017	+.033	20.3	93 98	64 1837	
1917	7.5	12 4.10	3.2173	.0694	64 2 15.1	20.017	.033	20.3	94 99	63 2217	
1918	9.1	12 14.36	3.2103	.0651	62 34 37.5	20.016	.033	20.3	95 100	62 2658	
1919	8.8	12 26.21	3.2107	.0643	62 15 58.3	20.015	.034	21.2	155 156 165	61 3059	
1920	8.1	12 28.54	3.2162	.0668	63 6 51.8	20.015	.034	19.9	19 84	62 2659	
1921	8.5	12 12 32.96	+3.2235	+.0699	−64 5 59.0	−20.015	+.034	19.6	16 17 18 82	63 2219	
1922	8.1	12 33.28	3.2304	.0733	65 5 19.9	20.015	.034	20.9	80 159 162	64 1839	
1923	7.8	12 36.80	3.2158	.0659	62 46 53.0	20.014	.034	20.0	12 89 103	62 2661	
1924	9.1	13 0.95	3.2343	.0726	64 50 8.3	20.013	.035	19.8	11 90	64 1843	
1925	9.0	13 1.71	3.2349	.0728	64 53 26.9	20.012	.035	21.1	74 158 159 160[2]	64 1845	
1926	6.7	12 13 1.83	+3.2378	+.0742	−65 16 33.6	−20.012	+.035	19.7	10 71	64 1844	Muse. L 5083
1927	8.8	13 20.41	3.2242	.0663	62 48 37.8	20.011	.036	20.2	77 80	62 2667	
1928	8.3	13 41.63	3.2308	.0677	63 11 56.6	20.009	.037	20.2	76 88	62 2670	R
1929	8.3	13 55.31	3.2375	.0696	63 46 9.9	20.008	.037	20.3	91 96	63 2230	
1930	8.6	14 4.68	3.2508	.0747	65 14 46.8	20.007	.037	20.3	92 97	64 1852	
1931[d]	8.8	12 14 5.05	+3.2312	+.0660	−62 36 14.7	−20.007	+.037	20.3	93 98	62 2673	
1932[e]	8.9	14 8.67	3.2317	.0660	62 34 4.9	20.007	.038	20.3	94 99	62 2674	
1933[f]	9.0	14 16.37	3.2333	.0661	62 35 33.5	20.006	.038	20.3	95 100	62 2675	
1934[g]	9.1	14 18.72	3.2413	.0694	63 39 5.5	20.006	.038	21.2	155 156 165	63 2233	
1935	4.8	14 21.65	3.2413	.0692	63 35 10.7	20.005	.038	20.9	84 159 162	63 2235	Dz Crucis
1936	8.3	12 14 39.65	+3.2657	+.0783	−66 6 16.4	−20.004	+.039	19.6	16 17 18 82	65 1834	
1937	8.9	14 45.19	3.2512	.0716	64 16 12.4	20.003	.039	20.3	80 103	63 2239	
1938	8.9	14 46.17	3.2406	.0670	62 50 11.7	20.003	.039	20.3	12 89 158	62 2680	
1939	9.1	14 50.81	3.2614	.0755	65 21 27.3	20.003	.039	20.9	90 160 161	65 1835	
1940	8.6	14 57.16	3.2708	.0791	66 14 33.4	20.002	.039	19.7	10 71	65 1836	
1941	9.1	12 15 12.32	+3.2665	+.0760	−65 24 35.6	−20.001	+.040	20.2	77 87	65 1838	
1942	9.0	15 13.44	3.2465	.0676	62 56 28.7	20.001	.040	20.9	74 159 162	62 2685	
1943	9.0	15 27.65	3.2652	.0742	64 54 26.3	19.999	.041	20.2	76 88	64 1862	
1944	8.9	15 39.32	3.2470	.0660	62 21 21.9	19.998	.041	20.3	91 96	62 2687	MZ 14311
1945	7.4	15 48.12	3.2493	.0663	62 26 16.8	19.997	.041	20.3	92 97	62 2688	
1946	8.4	12 15 51.00	+3.2673	+.0734	−64 35 52.2	−19.997	+.041	20.3	93 98	64 1865	
1947	8.9	16 7.24	3.2593	.0690	63 16 2.1	19.995	.042	20.3	94 99	62 2692	
1948	8.8	16 8.67	3.2506	.0655	62 6 47.9	19.995	.042	20.3	95 100	61 3088	
1949	7.7	16 9.13	3.2678	.0722	64 13 53.5	19.995	.042	21.2	155 156 165	63 2246	
1950	8.1	16 10.49	3.2832	.0783	65 52 2.4	19.995	.042	19.9	19 84	65 1841	R

(a) p 17ˢ ★ 9.2 0′6S, s 13ˢ ★ 9.0 1′N, s 20ˢ ★ 9.0 1′N. (b) D p 18ˢ $d = \delta$. (c) $= \alpha$ ★ 9.6 1′1S.
(d) p 4ˢ ★ 9.0 2′N, s 11ˢ ★ 9.0 0′5N. (e) p 4ˢ ★ 9.0 2′S, s 8ˢ ★ 9.0 1′1S. (f) p 11ˢ ★ 8.8 0′5S, p 8ˢ ★ 8.9 1′1N.
(g) $= \alpha$ ★ 9.9 1′2N. (1) 161. (2) 161.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1951	6.6	12h16m20s.42	+3s.2810	+s.0767	−65°25′34″.1	−19″.994	+″.043	19.6	16 17 18 82	65°1842	
1952	8.9	16 21.17	3.2857	.0785	65 53 30.9	19.994	.043	20.3	80 103	65 1843	
1953	8.5	16 22.13	3.2812	.0766	65 23 50.4	19.994	.043	20.8	12 89 158 195	65 1844	R
1954	8.8	16 37.83	3.2781	.0742	64 44 0.5	19.992	.043	20.9	90 160 161	64 1871	
1955	8.3	16 41.34	3.2771	.0736	64 32 38.7	19.992	.043	19.7	10 71	64 1872	
1956	8.4	12 17 0.54	+3.2895	+.0770	−65 25 8.7	−19.990	+.044	21.0	74 159 162 163	65 1846	
1957	8.4	17 26.97	3.2721	.0687	62 58 13.6	19.987	.045	20.2	77 87	62 2700	
1958	8.9	17 46.76	3.2905	.0742	64 33 9.3	19.985	.046	20.2	76 88	64 1876	
1959	8.8	17 53.57	3.2892	.0733	64 16 40.8	19.984	.046	20.3	91 96	64 1877	
1960	9.0	17 59.41	3.2966	.0756	64 54 4.6	19.983	.046	20.3	93 98	64 1878	
1961	9.0	12 17 59.87	+3.2766	+.0683	−62 46 24.2	−19.983	+.046	20.3	92 97	62 2705	
1962	8.1	18 9.36	3.2923	.0733	64 16 2.7	19.982	.046	20.3	95 100	63 2251	
1963	7.8	18 9.86	3.3018	.0768	65 11 33.5	19.982	.047	20.3	94 99	64 1879	
1964[a]	8.7	18 11.02	3.3029	.0771	65 16 28.7	19.982	.047	19.9	19 84	64 1881	
1965	9.1	18 11.19	3.2830	.0700	63 14 37.7	19.982	.047	21.2	155 156 165	62 2708	
1966[b]	9.2	12 18 13.12	+3.2804	+.0689	−62 55 0.8	−19.982	+.047	19.6	16 17 18 82	62 2709	
1967	8.3	18 32.97	3.3048	.0763	65 1 10.7	19.979	.047	20.3	12 89 158	64 1883	
1968	9.1	18 33.17	3.2776	.0667	62 10 25.5	19.979	.047	20.9	80 159 162	61 3114	
1969	8.8	18 42.13	3.2863	.0693	62 57 32.9	19.978	.048	19.8	11 90	62 2715	
1970	7.8	18 50.14	3.3010	.0739	64 18 51.0	19.977	.048	19.7	10 71	64 1886	
1971	8.8	12 19 2.59	+3.3183	+.0792	−65 40 43.4	−19.976	+.049	21.0	74 159 160 161	65 1852	
1972	8.7	19 20.09	3.3086	.0747	64 27 40.5	19.974	.049	20.2	77 87	64 1889	
1973	7.6	19 33.03	3.3008	.0713	63 27 14.7	19.972	.049	20.2	76 88	63 2259	
1974[c]	8.3	19 39.00	3.3031	.0717	63 34 13.3	19.971	.050	20.8	91 96 162 163	63 2261	Dh 4516
1975	8.6	19 53.26	3.3294	.0798	65 41 54.6	19.969	.051	20.3	92 97	65 1858	
1976	8.4	12 20 25.07	+3.3224	+.0755	−64 31 27.8	−19.965	+.051	20.3	93 98	64 1895	
1977	8.8	20 39.36	3.3361	.0791	65 26 13.9	19.963	.052	20.3	94 99	65 1859	
1978	7.3	20 44.11	3.3294	.0767	64 47 44.3	19.963	.052	20.3	95 100	64 1898	
1979	9.0	20 46.24	3.3270	.0758	64 32 37.9	19.963	.052	21.2	155 156 165	64 1899	
1980	9.0	20 52.78	3.3213	.0735	63 55 25.6	19.962	.053	19.7	17 18 82	63 2265	
1981[d]	8.9	12 20 53.17	+3.3369	+.0786	−65 16 23.6	−19.962	+.053	21.0	19 84 199	64 1903	
1982	9.1	20 54.53	3.3223	.0738	63 59 0.0	19.961	.053	20.3	80 103	63 2267	
1983	8.8	21 2.45	3.3320	.0765	64 41 56.1	19.960	.053	20.3	12 89 158	64 1904	
1984	7.3	21 5.46	3.3405	.0790	65 21 8.7	19.960	.053	19.8	11 90	65 1862	
1985	8.9	21 28.86	3.3206	.0714	63 12 36.6	19.957	.054	19.7	10 71	62 2732	
1986[e]	7.4	12 21 36.90	+3.3265	+.0727	−63 36 19.6	−19.956	+.054	19.8	20 74	63 2270	
1987	8.8	21 43.37	3.3479	.0792	65 18 14.1	19.955	.055	20.2	77 87	65 1866	
1988	8.9	22 10.83	3.3248	.0705	62 51 36.3	19.951	.055	20.7	76 88 160 161	62 2740	MZ 14332
1989	8.1	22 19.86	3.3248	.0700	62 42 24.6	19.950	.056	20.8	91 96 162 163	62 2742	L.5147,25GCruc.
1990	2.2	22 24.58	3.3255	.0700	62 41 1.5	19.949	.056	20.3	92 97	62 2745	D F. 2 Crucis
1991[f]	9.2	12 22 25.44	+3.3224	+.0690	−62 22 58.4	−19.949	+.056	20.7	93 98 162	62 2747	
1992	8.8	22 27.65	3.3517	.0778	64 52 19.6	19.949	.056	20.3	94 99	64 1917	
1993	8.4	22 57.53	3.3676	.0811	65 36 17.5	19.944	.058	20.3	95 100	65 1873	
1994[g]	6.6	23 12.22	3.3423	.0727	63 22 26.2	19.942	.058	19.9	19 84	63 2283	
1995	8.9	23 13.67	3.3364	.0709	62 50 8.8	19.942	.058	21.2	155 156 165	62 2756	
1996[h]	9.1	12 23 23.31	+3.3497	+.0743	−63 48 27.5	−19.941	+.058	21.0	80 159 160 161	63 2288	
1997	9.0	23 25.10	3.3422	.0720	63 9 18.5	19.940	.058	19.6	16 17 18 82	62 2760	
1998	8.9	23 32.82	3.3474	.0732	63 28 10.0	19.939	.058	19.8	11 90	63 2292	
1999	8.9	23 32.97	3.3558	.0757	64 9 45.1	19.939	.059	20.0	12 89 103	63 2291	
2000	6.5	24 5.45	3.3594	.0751	63 55 33.0	19.934	.060	19.7	10 71	63 2297	

(a) s 3s ★ 9.9 1′6N. (b) p 8s ★ 9.1 0′7S. (c) s 3s = δ. (d) p 2s ★ 9.2 0′8S. (e) s 1s d 0′7N.
(f) s 1s ★ 9.8 1′5N. (g) s 9s ★ 9.1 0′4S. (h) p 3s ★ 9.3 1′8S.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2001[a]	9.3	12h24m 7s.39	+3s.3431	+s.0703	—62°32′33″.3	—19″.934	+″.060	21.0	74 158 159 163	62°2770	
2002	8.9	24 47.23	3.3753	.0776	64 30 6.9	19.928	.062	20.2	77 87	64 1935	
2003	7.8	25 12.97	3.4095	.0861	66 26 45.5	19.924	.063	20.3	95 100	66 1783	
2004	9.1	25 21.19	3.4072	.0850	66 11 1.8	19.922	.063	21.0	76 159 160 161	65 1882	
2005	8.4	25 39.28	3.3844	.0776	64 23 48.9	19.919	.064	20.3	92 97	64 1943	
2006	8.5	12 25 39.43	+3.3842	+.0776	−64 22 32.4	−19.919	+.064	20.3	91 96	64 1942	
2007	6.6	27 40.05	3.3900	.0738	63 5 32.0	19.899	.068	20.3	93 98	62 2805	
2008	8.8	28 48.23	3.4222	.0792	64 22 51.7	19.887	.071	20.3	94 99	64 1959	
2009	8.0	29 13.23	3.4493	.0850	65 42 12.5	19.882	.073	20.3	95 100	65 1905	
2010	9.4	31 1.58	3.4202	.0733	62 33 24.3	19.861	.076	21.2	155 156 165	62 2833	
2011	8.9	12 31 14.25	+3.4246	+.0739	−62 41 44.2	−19.859	+.076	19.9	19 84	62 2834	
2012	9.0	31 16.56	3.4216	.0731	62 27 35.8	19.858	.077	19.6	16 17 18 82	62 2835	
2013	8.9	31 17.72	3.4606	.0824	64 51 52.5	19.858	.077	20.5	13 80 160 161	64 1966	
2014[b]	8.8	31 48.58	3.4270	.0732	62 25 51.5	19.852	.078	19.8	12 89	62 2838	
2015	9.2	32 20.88	3.4883	.0865	65 38 51.7	19.845	.080	19.8	11 90	65 1917	
2016	8.8	12 32 26.70	+3.4350	−.0737	−62 29 24.5	−19.844	+.079	19.7	10 71	62 2843	
2017	9.2	32 44.22	3.4345	.0729	62 14 57.9	19.841	.080	19.8	20 74	61 3312	
2018	8.8	33 51.23	3.5029	.0861	65 25 19.5	19.827	.084	20.2	77 87	65 1926	
2019	8.4	34 21.63	3.5273	.0906	66 17 3.4	19.820	.085	21.2	155 156 165	66 1859	
2020	8.9	34 40.08	3.4535	.0732	62 7 1.4	19.816	.084	20.2	76 88	61 3319	
2021	9.2	12 34 57.04	+3.4705	+.0765	−62 56 58.1	−19.812	+.085	20.3	91 96	62 2862	
2022	8.8	34 59.41	3.5148	.0862	65 17 53.9	19.812	.086	20.3	92 97	65 1936	
2023	6.7	35 28.38	3.5378	.0903	66 5 57.1	19.805	.088	20.3	93 98	65 1941	
2024[c]	8.9	35 45.36	3.4812	.0771	63 2 29.6	19.801	.087	20.3	94 99	62 2865	
2025	8.8	35 54.19	3.5294	.0874	65 27 1.4	19.799	.089	20.3	95 100	65 1946	
2026	8.3	12 37 26.12	+3.5248	+.0830	−64 19 2.7	−19.778	+.092	21.2	155 156 165	64 1983	
2027[d]	9.2	37 55.27	3.4972	.0763	62 34 56.5	19.771	.092	21.0	19 84 161 162(1)	62 2888	
2028[e]	9.2	37 59.11	3.4976	.0762	62 33 44.8	19.770	.093	19.6	16 17 18 82	62 2892	Dh 4541
2029	7.4	38 18.95	3.5735	.0916	66 2 47.2	19.765	.095	19.8	13 80	65 1966	
2030	6.0	38 25.40	3.5040	.0767	62 38 51.5	19.764	.094	19.8	12 89	62 2898	
2031	8.9	12 38 27.02	+3.5067	+.0772	−62 46 27.4	−19.763	+.094	19.8	11 90	62 2899	
2032	9.1	38 49.61	3.5857	.0931	66 16 37.6	19.758	.097	20.3	93 98	66 1898	
2033	9.1	38 54.90	3.5852	.0928	66 12 39.9	19.757	.097	19.7	10 71	65 1973	
2034	8.5	39 39.88	3.5406	.0818	63 48 1.9	19.745	.097	19.8	20 74	63 2406	
2035	8.7	40 19.19	3.5645	.0854	64 33 13.8	19.735	.099	20.2	77 87	64 1990	
2036	9.1	12 40 24.99	+3.5245	+.0772	−62 33 37.1	−19.734	+.099	20.2	76 88	62 2914	MZ 14374
2037	8.7	40 27.20	3.5741	.0871	64 54 32.2	19.733	.100	20.3	91 96	64 1992	
2038[f]	9.2	40 42.62	3.6093	.0939	66 14 9.8	19.729	.101	20.3	92 97	65 1990	
2039[g]	8.6	40 49.65	3.5819	.0880	65 2 41.1	19.728	.101	20.3	93 98	64 1994	
2040	8.9	41 12.24	3.5904	.0890	65 12 47.7	19.722	.102	20.3	94 99	64 1997	
2041[h]	9.0	12 41 13.41	+3.6087	+.0927	−65 57 9.1	−19.721	+.103	20.3	95 102 103	65 1993	
2042	8.8	41 53.87	3.6293	.0955	66 24 27.3	19.711	.105	20.3	91 96	66 1927	
2043	9.2	41 57.56	3.5832	.0860	64 30 27.9	19.710	.104	21.2	155 156 165	64 2001	
2044	9.2	42 8.33	3.5470	.0785	62 44 6.9	19.707	.103	19.9	19 84	62 2919	
2045	9.2	42 38.14	3.5513	.0785	62 40 33.0	19.699	.104	19.8	18 82	62 2921	
2046	9.2	12 42 38.39	+3.6050	+.0890	−65 4 37.7	−19.699	+.106	21.0	80 159 160 161	64 2007	
2047	8.8	42 45.63	3.6253	.0929	65 49 42.0	19.697	.107	19.8	11 90	65 2006	
2048[i]	9.2	42 46.31	3.6102	.0898	65 13 34.2	19.697	.106	20.5	12 89 160 161	64 2009	
2049	9.3	42 58.30	3.5441	.0766	62 8 3.1	19.693	.105	19.7	10 71	61 3367	
2050	8.7	43 40.55	3.5619	.0787	62 37 45.5	19.682	.107	20.2	77 87	62 2932	

(a) *s* 2ª ★ *d* 1′1S. (b) *s* 8ª ★ 9.5 0′8N, (c) *s* 4ª ★ 9.4 1′7S. (d) *p* ★ D 6ª 1′5N, *s* 3ª ★ 9.4 1′3S *y s* 4ª ★ 9.2 1′2N.
(e) *p* 10ª ★ 9.4 *y* 9.8 0′2N, *s* 1ª ★ 9.2 1′2S. (f) *p* 14ª ★ 9.4 1′N. (g) *s* 10ª ★ 9.2 1′4N. (h) *p* 10ª *d* = *ẽ*.
(i) *p* 11ª ★ 9.2 1′S *y s* 26ª ★ 9.1 = *ẽ*, (1) 163.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2051	9.2	12h43m41s.51	+3s.5978	+s.0856	−64°14′36″.8	−19″.682	+″.108	19.8	20 74	63°2415	
2052[a]	7.8	44 27.68	3.6301	.0904	65 11 2.8	19.669	.110	20.2	76 88	64 2020	D Hy 77
2053	8.9	45 17.37	3.6656	.0957	66 7 7.2	19.655	.113	20.3	91 96	65 2027	
2054	8.0	45 21.72	3.6167	.0862	64 12 18.5	19.653	.112	20.3	92 97	63 2420	
2055	8.9	45 35.45	3.6576	.0936	65 41 25.9	19.649	.114	20.3	93 98	65 2030	
2056	7.6	12 45 43.74	+3.5761	+.0779	−62 14 0.1	−19.647	+.112	20.3	94 99	61 3376	R
2057	9.0	46 9.26	3.6562	.0922	65 22 32.3	19.640	.115	21.2	155 156 165	65 2036	
2058	8.5	46 9.58	3.6740	.0957	66 1 16.3	19.640	.115	21.3	95 100 199	65 2035	
2059	9.0	46 36.71	3.6392	.0881	64 30 43.8	19.632	.116	19.9	19 84	64 2038	
2060[b]	9.2	46 54.01	3.6706	.0936	65 33 50.1	19.627	.117	19.7	17 18 82	65 2041	
2061	9.0	12 47 6.22	+3.6698	+.0930	−65 26 23.1	−19.623	+.118	19.8	13 80	65 2045	MZ 29532
2062	8.7	47 20.67	3.6417	.0873	64 16 3.7	19.619	.117	19.8	12 89	63 2433	
2063	8.7	47 48.70	3.6929	.0961	65 56 33.5	19.610	.120	19.8	11 90	65 2049	
2064	9.1	48 8.01	3.6919	.0953	65 45 56.9	19.604	.121	19.7	10 71	65 2055	
2065	8.4	48 13.41	3.6558	.0884	64 24 34.1	19.603	.120	19.8	20 74	64 2050	
2066	9.2	12 48 19.84	+3.6203	+.0818	−62 55 41.4	−19.601	+.119	20.2	77 87	62 2948	
2067	9.1	48 31.25	3.6488	.0866	64 0 6.6	19.597	.120	20.2	76 88	63 2441	
2068	8.7	48 33.55	3.6077	.0792	62 16 31.3	19.597	.119	20.3	91 96	62 2949	
2069	8.8	48 34.69	3.6594	.0884	64 23 12.1	19.596	.121	20.3	92 97	64 2053	
2070	9.0	48 44.44	3.6853	.0929	65 16 1.4	19.593	.122	20.3	93 98	64 2056	
2071	9.1	12 49 20.36	+3.7225	+.0987	+66 16 15.7	−19.582	+.124	20.3	94 99	65 2060	
2072	8.9	49 32.76	3.6298	.0815	62 45 33.9	19.578	.122	20.3	95 100	62 2954	MZ 14387
2073	9.0	50 12.07	3.7079	.0944	65 25 18.0	19.566	.126	21.2	155 156 165	65 2069	
2074	8.8	50 18.67	3.7151	.0955	65 37 6.8	19.564	.126	21.0	84 159 160 161	65 2071	
2075	8.2	50 28.08	3.6517	.0839	63 14 2.2	19.561	.125	19.8	13 80	62 2960	
2076	8.0	12 50 28.69	+3.6256	+.0794	−62 9 7.3	−19.561	+.124	19.6	16 17 18 82	61 3391	
2077	8.8	51 7.68	3.6586	.0841	63 12 42.1	19.548	.126	19.8	12 89	62 2962	
2078	9.0	51 22.84	3.7121	.0931	65 4 4.2	19.543	.129	19.8	11 90	64 2074	
2079	9.1	51 40.97	3.7218	.0943	65 16 17.5	19.537	.130	19.7	10 71	65 2082	
2080	7.7	51 54.72	3.6871	.0878	63 57 17.3	19.533	.129	19.8	20 74	63 2454	
2081	8.3	12 52 33.42	+3.6707	+.0840	−63 3 31.6	−19.520	+.130	20.2	77 87	62 2965	
2082	7.4	52 49.95	3.7351	.0947	65 14 29.9	19.515	.133	20.9	76 88 163 167[c]	64 2086	
2083	8.9	53 7.91	3.6822	.0850	63 15 4.6	19.509	.132	20.3	91 96	62 2969	
2084	9.1	53 48.38	3.7104	.0888	64 0 6.0	19.495	.134	20.3	92 97	63 2462	
2085	9.3	53 55.56	3.7357	.0929	64 49 20.6	19.492	.135	20.3	93 98	64 2093	
2086	8.2	12 54 21.68	+3.6956	+.0854	−63 14 8.0	−19.484	+.135	20.3	93 99	62 2977	
2087	9.3	54 29.16	3.7714	.0982	65 44 26.9	19.481	.138	20.3	95 100	65 2100	
2088	9.3	54 30.28	3.6784	.0824	62 31 27.4	19.481	.135	21.2	155 156 165	62 2978	
2089	9.1	54 36.50	3.6894	.0841	62 53 59.2	19.478	.135	19.9	19 84	62 2979	
2090[c]	9.0	54 57.46	3.7605	.0955	65 13 14.9	19.471	.138	19.7	17 18 82	64 2098	
2091	8.0	12 54 59.75	+3.7232	+.0891	−63 57 55.4	−19.470	+.137	20.3	80 102 103	63 2472	
2092	9.0	55 24.29	3.7258	.0889	63 53 33.2	19.462	.138	19.6	12 13 89	63 2474	
2093	8.8	55 37.17	3.7377	.0906	64 12 46.1	19.457	.139	19.8	11 90	63 2475	
2094	8.6	56 2.18	3.6881	.0818	62 15 36.3	19.449	.138	19.7	10 71	61 3410	
2095[d]	8.6	56 5.28	3.8029	.1010	66 4 39.9	19.447	.143	19.8	20 74	65 2110	Muscae G 17675
2096	8.9	12 56 10.45	+3.7828	+.0973	−65 26 44.3	−19.446	+.142	20.2	77 87	65 2111	
2097	8.6	56 29.89	3.7027	.0835	62 37 8.9	19.439	.140	20.9	76 88 163 167[c]	62 2981	
2098	8.4	56 43.32	3.7024	.0831	62 31 16.3	19.434	.140	20.3	91 96	62 2982	
2099	9.0	57 11.68	3.7565	.0913	64 13 23.8	19.424	.141	21.0	97 159 160 161	63 2485	
2100	9.1	57 19.03	3.8067	.0995	65 44 5.9	19.421	.146	20.3	93 98	65 2117	

[a] D l b. [b] p1* ★ 9.4 1′7S. [c] s 12* ★ 9.9 2′N. [d] p 5′ d 0′2N. [c] 168. [c] 168.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2101	8.9	12h57m26ˢ56	+ˢ3282	+ˢ1029	−66°18′11″7	−19″418	+″147	20.2	77 87	66°2038	
2102a	9.3	57 33.80	3.8325	.1035	66 22 42.7	19.416	.147	21.2	88 159 160 161(1)	66 2040	
2103	9.0	57 36.31	3.8076	.0991	65 39 14.5	19.415	.147	20.3	94 99	65 2122	
2104	8.9	58 9.64	3.8158	.0996	65 41 30.8	19.403	.148	20.3	95 100	65 2127	
2105	8.8	58 16.86	3.7741	.0925	64 22 53.4	19.400	.147	21.2	155 156 165	64 2124	
2106	9.5	12 58 49.23	+3.7926	+.0947	−64 45 32.3	−19.388	+.149	19.9	19 84	64 2128	
2107	8.9	59 5.04	3.7500	.0874	63 17 9.8	19.382	.148	19.6	16 17 18 82	63 2506	
2108	8.9	59 36.33	3.8385	.1011	65 49 24.3	19.371	.152	19.8	13 80	65 2140	
2109	8.6	59 41.34	3.8288	.0993	65 31 8.8	19.369	.152	19.8	12 89	65 2141	
2110	8.6	13 0 5.09	3.7554	.0869	63 5 21.7	19.360	.150	19.8	11 90	62 2993	
2111	7.4	13 0 15.90	+3.7865	+.0915	−64 2 20.2	−19.356	+.152	19.7	10 71	63 2515	
2112	9.1	0 34.31	3.7778	.0897	63 38 55.6	19.349	.152	19.8	20 74	63 2519	
2113	8.7	1 13.34	3.8369	.0983	65 12 48.2	19.334	.156	20.2	77 87	64 2151	
2114	8.8	1 16.18	3.7918	.0909	63 50 29.8	19.333	.154	21.0	88 163 167	63 2527	
2115	8.9	1 16.70	3.8791	.1051	66 20 49.1	19.333	.158	21.2	155 156 165	66 2061	
2116b	9.0	13 1 33.60	+3.8219	+.0953	−64 39 27.2	−19.326	+.156	20.3	91 96	64 2155	D
2117	8.3	1 42.66	3.8244	.0954	64 40 45.3	19.322	.157	20.3	92 97	64 2160	
2118	9.1	1 49.53	3.8084	.0927	64 9 31.4	19.320	.156	20.3	93 98	63 2535	
2119	8.8	1 52.88	3.8226	.0949	64 33 56.8	19.318	.157	20.3	94 99	64 2162	
2120	7.8	1 58.05	3.8320	.0963	64 48 39.8	19.317	.157	20.3	95 100	64 2163	Muscae G 17804
2121	9.0	13 2 10.60	+3.8389	+.0971	−64 56 24.8	−19.312	+.158	21.2	155 156 165	64 2166	
2122	8.1	2 45.78	3.8652	.1004	65 28 36.8	19.298	.161	19.9	19 84	65 2156	
2123	9.0	2 56.75	3.8035	.0904	63 36 38.4	19.293	.159	19.6	16 17 18 82	63 2543	
2124c	6.0	3 15.56	3.8507	.0973	64 54 19.2	19.286	.161	20.6	13 160 161	64 2183	D Θ Muscae
2125d	8.8	3 20.75	3.8601	.0987	65 8 21.1	19.284	.162	19.8	12 89	64 2186	
2126	9.1	13 3 54.32	+3.7891	+.0869	−62 48 40.9	−19.271	+.160	19.8	11 90	62 3022	
2127	9.1	3 54.82	3.8403	.0947	64 23 3.7	19.270	.162	19.7	10 71	64 2196	
2128	9.0	4 18.26	3.8493	.0956	64 30 46.2	19.261	.164	19.8	20 74	64 2199	
2129	8.4	4 39.65	3.9144	.1053	66 8 35.3	19.252	.167	20.2	77 87	65 2181	
2130	9.1	4 47.10	3.7882	.0857	62 28 16.3	19.249	.162	21.0	88 163 167	62 3028	
2131	8.7	13 5 4.03	+3.9270	+.1067	−66 19 44.7	−19.242	+.169	20.3	95 100	66 2092	
2132	9.1	5 9.98	3.8472	.0940	64 9 39.9	19.240	.166	20.3	91 96	63 2577	
2133	9.0	5 17.20	3.8735	.0979	64 51 55.1	19.237	.167	20.3	92 97	64 2212	
2134e	9.1	5 27.77	3.7995	.0865	62 35 59.4	19.233	.164	20.3	93 98	62 3031	
2135	8.9	5 43.96	3.8943	.1005	65 16 57.3	19.226	.169	20.3	94 99	65 2187	
2136f	8.6	13 5 52.77	+3.8542	+.0941	−64 7 35.0	−19.222	+.168	21.2	155 165	63 2585	
2137	9.0	5 54.13	3.8050	.0867	62 37 34.7	19.222	.166	20.3	95 100	62 3035	
2138g	9.0	6 14.37	3.8517	.0931	63 56 4.4	19.213	.168	19.9	19 84	63 2592	
2139	9.2	6 49.12	3.8097	.0863	62 27 40.2	19.199	.168	20.9	82 160 161	62 3042	MZ 14427
2140	7.0	7 3.63	3.8264	.0884	62 54 15.8	19.193	.169	20.5	13 80 160 161	62 3046	
2141	8.8	13 7 9.10	+3.8118	+.0862	−62 25 0.3	−19.190	+.169	19.8	12 89	62 3048	
2142	8.8	7 27.25	3.8119	.0858	62 18 57.3	19.183	.170	19.8	11 90	62 3053	
2143	8.9	7 31.23	3.8484	.0910	63 24 49.4	19.181	.171	19.7	10 71	63 2612	
2144h	8.1	7 48.40	3.9046	.0991	64 53 35.9	19.174	.174	20.2	77 87	64 2249	
2145	6.5	7 49.73	3.9415	.1046	65 49 44.0	19.173	.176	19.8	20 74	65 2201	
2146i	9.0	13 7 58.92	+3.9197	+.1011	−65 13 55.3	−19.169	+.175	21.0	88 163 167	64 2256	
2147	8.8	8 16.72	3.8499	.0903	63 12 37.5	19.162	.173	20.3	91 96	62 3064	
2148	9.2	8 22.00	3.8157	.0852	62 7 45.9	19.159	.172	20.3	92 97	61 3505	
2149	9.3	8 26.24	3.8414	.0888	62 54 7.2	19.158	.173	20.4	98 102 103	62 3066	
2150j	9.3	8 28.90	3.8447	.0892	62 59 11.9	19.157	.173	20.3	94 99	62 3067	

(a) *s* 6ᵐ ★ 10.0 1′5N (b) D *t p*. (c) D *t b* Δ 129. (d) *p* 1ᵐ ★ 9.8 2′N *y s* 2ᵐ ★ 9.9 1′N.
(e) *p* 24ᵐ ★ 9.2 1′N *y p* 11ᵐ ★ 10.1 1′N. (f) *s* 10ᵐ 0′7S. (g) *s* 1ᵐ ★ 9.2 0′6S. (h) *p* 19ᵐ ★ 9.4 0′1S.
(i) *p* 12ᵐ ★ 8.5 1′5S. (j) *s* 6ᵐ ★ 9.2 0′2S. (1) 163, 167, 168.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2151	9.1	13h 8m39s.46	+3s.9640	+s.1070	−66° 7′25″.2	−19″.152	+″.179	20.3	95 100	65°2205	
2152	9.0	8 41.96	3.9458	.1041	65 40 8.9	19.151	.178	21.3	156 165	65 2207	
2153[a]	8.7	8 44.67	3.8382	.0880	62 42 18.5	19.150	.173	21.0	84 164 168	62 3073	
2154	9.1	8 47.35	3.8582	.0908	63 17 8.9	19.149	.174	19.8	17 82	63 2633	
2155	9.1	8 52.71	3.8296	.0866	62 23 43.4	19.146	.173	19.8	11 90	62 3080	
2156	8.3	13 8 53.43	+3.8813	+.0941	−63 54 55.2	−19.146	+.176	19.8	13 80	63 2636	
2157[b]	8.4	8 53.66	3.8560	.0904	63 11 20.5	19.146	.175	20.3	12 88 89 163	62 3079	
2158	8.4	8 55.86	3.8309	.0867	62 25 3.7	19.145	.174	19.7	10 71	62 3081	
2159	8.9	8 56.41	3.9443	.1035	65 33 35.7	19.145	.178	20.5	20 74 155 160(1)	65 2211	
2160	8.7	8 57.75	3.9085	.0980	64 38 8.9	19.144	.177	20.2	77 87	64 2275	
2161[c]	9.1	13 9 0.09	+3.8572	+.0904	−63 11 19.2	−19.143	+.175	20.8	88 89 163 167	62 3083	
2162	9.0	9 6.50	3.9044	.0972	64 28 53.4	19.140	.177	20.3	91 96	64 2281	
2163	7.6	9 12.33	3.8286	.0861	62 15 23.4	19.138	.174	20.3	92 97	61 3516	D Lac. 5432
2164	8.3	9 19.89	3.8536	.0895	62 58 35.3	19.134	.176	20.3	93 98	62 3090	
2165[d]	8.7	9 45.23	3.9064	.0966	64 19 57.1	19.123	.179	20.3	94 99	64 2286	
2166	7.6	13 9 51.82	+3.8665	+.0907	−63 11 2.3	−19.121	+.177	20.6	88 95 100 163	62 3096	
2167	8.7	10 2.23	3.9015	.0945	64 6 45.0	19.116	.179	21.2	155 156 165	63 2649	
2168	8.8	10 56.98	3.8892	.0925	63 29 15.9	19.092	.181	21.0	84 164 168	63 2662	
2169	8.3	11 13.65	3.8477	.0863	62 11 15.6	19.084	.180	19.8	17 82	61 3544	
2170	6.8	11 47.45	3.9458	.0997	64 44 28.0	19.069	.185	19.8	13 80	64 2316	
2171[e]	9.2	13 11 56.40	+3.8712	+.0888	−62 39 44.4	−19.065	+.182	19.8	12 89	62 3115	Muscae
2172	6.1	12 8.52	4.0196	.1102	66 23 16.4	19.060	.189	20.3	92 97	66 2142	L 5451, 62 G
2173	9.1	12 10.13	3.8636	.0875	62 21 54.7	19.059	.182	19.8	11 90	62 3123	
2174	8.4	13 11.35	3.9069	.0923	63 17 30.8	19.031	.187	19.7	10 71	63 2684	
2175	7.7	13 24.71	3.9008	.0911	63 3 15.2	19.025	.187	19.8	20 74	62 3137	
2176	8.8	13 13 33.63	+3.8952	+.0902	−62 51 2.6	−19.021	+.187	20.2	77 87	62 3140	
2177[f]	9.2	13 46.35	3.8727	.0869	62 8 7.5	19.015	.187	21.0	88 163 167	61 3576	
2178[g]	8.1	14 35.62	3.9249	.0931	63 21 38.6	18.992	.191	20.3	92 97	63 2697	
2179	9.1	14 42.07	4.0130	.1056	65 31 21.5	18.989	.195	20.3	93 98	65 2258	
2180	9.0	14 48.92	3.9013	.0896	62 38 32.3	18.986	.190	20.3	94 99	62 3159	
2181	7.6	13 15 8.08	+3.8869	+.0873	−62 7 57.9	−18.977	+.191	20.6	88 95 100 163	61 3604	
2182	8.7	15 23.88	4.0491	.1100	66 8 15.6	18.970	.199	21.2	155 156 165	65 2267	
2183	8.9	15 27.24	3.9351	.0935	63 22 51.4	18.968	.193	21.0	84 164 168	63 2702	
2184	9.0	15 31.27	4.0313	.1071	65 42 39.9	18.966	.198	19.8	17 82	65 2268	
2185	9.2	15 38.48	3.9237	.0917	63 1 6.3	18.963	.193	19.8	13 80	62 3174	
2186	9.0	13 15 45.91	+4.0555	+.1103	−66 10 33.4	−18.959	+.200	19.8	12 89	65 2270	
2187	8.9	16 0.24	4.0128	.1038	65 9 19.3	18.953	.199	20.9	91 96 159 160(2)	64 2356	
2188	8.8	16 15.45	3.9121	.0894	62 30 54.6	18.945	.194	19.8	11 90	62 3182	
2189[h]	8.3	16 26.48	3.9566	.0953	63 39 19.7	18.940	.197	19.7	10 71	63 2711	D h 4579
2190[i]	8.6	16 32.86	4.0407	.1070	65 38 25.1	18.937	.201	20.3	74 102 103	65 2279	
2191	8.8	13 16 47.41	+4.0389	+.1064	−65 32 9.4	−18.930	+.202	20.9	77 159 161	65 2285	
2192	9.0	16 57.24	3.9857	.0987	64 14 31.1	18.925	.199	20.9	88 163 167	63 2716	
2193	9.1	17 24.50	3.9250	.0898	62 32 4.2	18.912	.198	20.3	91 96	62 3199	
2194	9.1	18 5.34	3.9970	.0988	64 12 12.3	18.892	.203	20.3	92 97	63 2724	
2195	9.0	18 5.81	3.9372	.0907	62 40 11.3	18.892	.200	20.3	93 98	62 3209	
2196	8.9	13 18 9.56	+3.9587	+.0935	−63 13 14.0	−18.890	+.201	20.3	94 99	62 3210	
2197	8.5	18 16.68	3.9322	.0898	62 28 46.2	18.887	.200	20.3	95 100	62 3214	MZ 14467
2198	5.6	18 57.11	4.0043	.0988	64 8 37.9	18.867	.205	21.2	155 156 165	63 2732	L 5500, 214 G G.
2199	9.1	19 8.11	4.0540	.1055	65 14 40.2	18.862	.208	21.0	84 164 168	64 2387	
2200[j]	9.0	19 23.80	3.9333	.0887	62 11 25.6	18.854	.203	19.8	17 82	61 3659	

(a) s 9s ★ 9.6 1′5S. (b) s 7s ★ 9.1 = δ. (c) p 7s ★ 8.4 = δ. (d) p 2s ★ 9.5 0′9N. (e) p 2s ★ 9.5 0′5N. (f) p 2s ★ 8.5 2′N.
(g) p 14s ★ 9.6 0′1N. (h) D t p. (i) s 12s d = δ. (j) s 22s ★ 9.7 = δ y s 34s ★ 9.4 = δ. (1) 161. (2) 161.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2201	8.9	13h19m45s58	+s0243	+s1005	—64°23′55″3	—18″843	+″208	19.8	13 80	64°2392	
2202	9.1	20 2.81	4.0775	.1075	65 31 10.3	18.834	.211	19.8	12 89	65 2317	
2203	8.7	20 4.52	3.9626	.0918	62 47 6.7	18.834	.205	19.8	11 90	62 3240	
2204	9.0	20 6.30	4.1041	.1113	66 3 47.9	18.833	.213	19.7	10 71	65 2318	
2205	6.2	20 11.78	4.0163	.0989	64 5 38.0	18.830	.209	21.0	74 159 160 161	63 2743	Centauri D L 5509, 215 G
2206	9.1	13 20 52.03	+4.0607	+.1041	—64 56 18.2	—18.810	+.212	20.9	77 160 161	64 2398	
2207	8.9	21 5.14	4.1221	.1124	66 11 2.2	18.803	.216	21.0	88 163 167	65 2325	
2208	8.8	21 10.51	3.9511	.0891	62 10 13.7	18.800	.208	20.3	91 96	61 3688	
2209	8.3	21 24.80	4.0909	.1076	65 27 14.9	18.793	.215	20.4	97 102 103	65 2329	
2210	8.7	22 5.58	3.9643	.0898	62 16 11.6	18.772	.210	20.3	93 98	62 3265	
2211	9.1	13 22 8.18	+4.0217	+.0972	—63 42 16.3	—18.771	+.214	20.3	94 99 199	63 2754	
2212	8.5	22 9.21	4.0646	.1030	64 41 28.7	18.771	.216	20.3	95 100	64 2408	
2213	8.0	22 10.38	4.1443	.1141	66 21 27.9	18.770	.221	20.3	91 96	66 2224	
2214	9.0	22 12.43	4.0094	.0955	63 23 14.9	18.769	.213	21.2	155 156 165	63 2755	
2215	8.2	22 24.89	3.9673	.0898	62 15 34.9	18.763	.211	21.0	84 164 168	62 3270	
2216	8.5	13 22 27.87	+4.0139	+.0958	—63 25 40.2	—18.761	+.214	20.9	80 159 160	63 2760	
2217	8.7	22 29.64	4.0029	.0944	63 9 0.2	18.760	.214	19.8	17 82	62 3271	
2218	8.9	22 54.42	4.1300	.1110	65 53 27.1	18.747	.221	20.3	12 89 161	65 2335	
2219	9.0	22 56.36	4.1339	.1116	65 57 47.7	18.746	.221	19.8	11 90	65 2336	
2220	8.9	22 58.04	3.9954	.0928	62 50 8.6	18.746	.214	19.7	10 71	62 3274	
2221	8.9	13 23 19.40	+4.0137	+.0949	—63 11 43.4	—18.734	+.216	19.8	20 74	62 3275	
2222	8.4	23 31.71	4.0435	.0985	63 51 20.7	18.728	.218	20.2	77 87	63 2770	
2223	8.7	23 36.38	4.0447	.0986	63 51 49.8	18.726	.218	21.0	88 163 167	63 2771	
2224	9.0	23 37.17	4.0359	.0974	63 39 5.0	18.725	.218	21.0	96 160 161	63 2772	
2225	8.8	23 54.88	4.1321	.1100	65 41 9.9	18.716	.224	21.1	97 170 171	65 2343	
2226	7.5	13 24 0.14	+4.0331	+.0966	—63 29 9.2	—18.713	+.219	20.3	93 98	63 2778	
2227	6.8	24 0.49	4.0677	.1011	64 17 14.8	18.713	.220	20.3	94 99	64 2418	
2228	9.0	24 5.54	4.0858	.1035	64 40 6.5	18.710	.222	20.3	95 100	64 2419	
2229	8.6	24 22.78	4.0624	.1000	64 4 19.4	18.701	.221	21.2	155 156 165	63 2779	
2230	8.1	24 43.05	4.1139	.1065	65 6 50.8	18.691	.225	21.0	84 164 168	64 2428	
2231	9.1	13 25 33.08	+4.0300	+.0945	—63 0 41.1	—18.664	+.222	19.8	17 82	62 3302	
2232	9.0	25 39.06	4.0479	.0967	63 24 40.8	18.661	.223	19.8	13 80	63 2787	
2233	9.0	26 7.36	4.0824	.1006	64 5 3.8	18.646	.226	19.8	12 89	63 2789	
2234	9.0	26 11.91	4.1685	.1120	65 51 47.8	18.644	.231	19.7	10 11 71 90	65 2356	
2235	9.0	26 12.61	4.1681	.1119	65 51 6.3	18.643	.231	21.3	159 160 161	65 2357	
2236	8.9	13 26 14.63	+4.1861	+.1144	—66 11 27.3	—18.642	+.232	19.8	20 74	65 2358	
2237	9.0	26 20.52	4.0505	.0962	63 17 54.6	18.639	.225	20.2	77 87	63 2791	
2238	9.0	26 43.28	4.1062	.1030	64 27 31.2	18.627	.229	20.3	91 96	64 2440	
2239	8.9	26 43.83	4.0416	.0946	62 59 18.7	18.626	.226	21.0	88 163 167	62 3324	MZ 14490
2240	7.0	26 45.71	4.1292	.1060	64 56 8.4	18.625	.230	21.1	97 170 171	64 2441	Muscae L^ 5560
2241	7.8	13 26 58.95	+4.0305	+.0930	—62 39 21.2	—18.618	+.226	20.3	93 98	62 3326	D Δ 137
2242	8.4	27 6.23	4.1158	.1038	64 34 16.3	18.614	.230	20.3	94 99	64 2448	
2243	8.4	27 6.32	4.0212	.0916	62 23 42.4	18.614	.226	20.3	95 100	62 3329	
2244	8.9	27 12.13	4.0228	.0918	62 24 33.6	18.611	.226	21.2	155 156 165	62 3335	
2245	8.1	27 58.07	4.0672	.0965	63 16 45.1	18.586	.230	21.0	84 164 168	63 2811	
2246	9.2	13 27 59.29	+4.0357	+.0926	—62 31 33.6	—18.585	+.228	21.1	82 172 173	62 3330	
2247	6.9	28 21.04	4.1630	.1085	65 14 49.1	18.574	.236	19.8	13 80	64 2465	
2248	8.5	28 24.01	4.2211	.1163	66 20 52.4	18.572	.240	20.3	95 100	66 2255	
2249	8.7	28 24.15	4.0535	.0943	62 50 59.9	18.572	.230	19.8	12 89	62 3353	
2250	8.1	28 26.13	4.1219	.1030	64 22 42.3	18.571	.234	20.3	74 102 103	64 2466	

(a) p 15s ★ 9.5 0′7N. (b) s 3s y 5s 0′8N. (c) p 1s 0′5N y s 30s 0′1N. (d) s 5s ★ 9.1 0′48.

(e) Vértice N de un △. (f) p 18s ★ 9.7 1′N. (g) = z 0′2N. (h) p 9s ★ 9.1 2′N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2251	8.8	13h28m27s.05	+4s.2021	+s.1136	−65°58′55″.1	−18″.570	+″.239	19.7	10 71	65°2369	
2252	9.0	28 27.68	4.0515	.0940	62 47 10.3	18.570	.230	19.8	11 90	62 3354	
2253[a]	9.5	28 31.11	4.0880	.0985	63 37 3.6	18.568	.233	20.9	77 160 161	63 2817	
2254	7.4	28 32.83	4.1881	.1116	65 41 36.4	18.567	.238	21.0	88 163 167	65 2371	
2255	9.1	28 36.89	4.0838	.0979	63 29 55.8	18.565	.232	20.3	91 96	63 2821	
2256	9.0	13 28 38.54	+4.1441	+.1056	−64 47 40.4	−18.564	+.236	21.1	97 170 171	64 2468	
2257	9.1	28 57.54	4.1708	.1088	65 15 39.2	18.554	.238	20.3	93 98	65 2375	
2258	8.6	29 11.09	4.1584	.1069	64 57 36.0	18.546	.238	20.3	94 99	64 2470	
2259	9.0	29 30.67	4.0631	.0944	62 48 3.9	18.535	.233	20.3	95 100	62 3372	
2260	8.0	29 35.51	4.0704	.0950	62 57 3.6	18.532	.234	21.2	155 156 165	62 3374	
2261	8.9	13 29 52.97	+4.0864	+.0968	−63 14 52.5	−18.523	+.236	21.0	84 164 168	62 3376	
2262	7.8	30 5.06	4.0458	.0917	62 14 47.1	18.516	.234	21.1	82 172 173	61 3819	
2263	7.9	30 24.31	4.1630	.1060	64 46 5.1	18.505	.241	19.8	13 80	64 2476	
2264	8.0	30 30.94	4.1728	.1071	64 56 27.2	18.502	.242	19.8	12 89	64 2477	
2265	8.6	30 46.25	4.1553	.1045	64 31 33.1	18.493	.241	19.8	11 90	64 2481	
2266	8.4	13 31 12.37	+4.0792	+.0946	−62 45 44.3	−18.478	+.238	19.7	10 22 71	62 3394	
2267	9.2	31 20.32	4.1091	.0981	63 24 25.8	18.474	.240	20.3	20 74 160	63 2849	
2268	8.8	31 40.64	4.0866	.0950	62 49 16.4	18.462	.240	20.9	77 159 161	62 3400	
2269	8.8	31 43.25	4.0824	.0944	62 42 46.4	18.461	.240	21.0	88 163 167	62 3401	
2270	8.8	31 47.17	4.1535	.1031	64 15 14.0	18.458	.244	20.3	91 96	63 2854	
2271	8.8	13 31 48.57	+4.1076	+.0974	−63 15 48.7	−18.458	+.241	21.1	97 170 171	63 2856	
2272	8.6	32 6.71	4.1950	.1081	65 0 54.3	18.447	.247	20.3	93 98	64 2486	
2273	7.8	32 9.65	4.1723	.1051	64 33 11.9	18.446	.246	20.3	94 99	64 2487	D44596=Rüs222
2274	8.5	32 37.06	4.2450	.1140	65 50 55.1	18.430	.251	20.3	95 100	65 2399	
2275	8.4	33 6.38	4.2093	.1087	65 4 15.3	18.413	.250	21.2	155 156 165	64 2493	
2276	7.8	13 33 15.07	+4.1420	+.1001	−63 40 26.4	−18.408	+.247	21.0	84 164 168	63 2869	
2277	7.8	33 44.32	4.1781	.1041	64 18 47.4	18.391	.250	21.1	82 172 173	64 2496	
2278	9.1	34 13.84	4.1493	.0999	63 36 16.5	18.374	.250	19.8	13 80	63 2883	
2279[b]	9.2	34 15.94	4.2860	.1173	66 13 30.8	18.373	.258	19.8	12 89	65 2409	
2280	9.2	34 28.38	4.1193	.0961	62 53 52.5	18.366	.248	19.8	11 90	62 3428	MZ 14516
2281[c]	8.6	13 34 42.67	+4.0872	+.0920	−62 6 41.7	−18.357	+.247	19.9	22 71	61 3879	
2282	6.6	34 54.72	4.1853	.1037	64 11 46.1	18.350	.253	19.8	20 74	63 2896	Centauri L 56o9, 243 G
2283	9.1	35 6.43	4.1831	.1032	64 6 25.9	18.343	.254	19.9	10 77 87	63 2898	
2284[d]	9.0	35 21.21	4.2066	.1058	64 31 18.9	18.335	.256	21.0	88 163 167	64 2509	
2285	8.7	35 22.85	4.1657	.1007	63 41 19.8	18.334	.253	20.3	91 96	63 2899	
2286	8.9	13 35 24.67	+4.2959	+.1171	−66 9 18.9	−18.333	+.261	21.1	97 170 171	65 2419	
2287	8.0	35 26.20	4.3009	.1177	66 14 12.3	18.332	.262	20.3	93 98	65 2420	Muscae G 1855?
2288[e]	9.0	35 40.26	4.1139	.0942	62 29 59.7	18.323	.251	20.3	94 99	62 3452	
2289	8.8	35 43.36	4.2875	.1157	65 56 41.0	18.322	.261	20.3	95 100	65 2422	
2290[f]	8.9	35 49.55	4.2311	.1083	64 53 29.0	18.318	.258	21.2	155 156 165	64 2511	
2291	8.0	13 35 56.89	+4.1000	+.0923	−62 7 10.7	−18.314	+.251	21.0	84 164 168	61 3897	
2292	8.4	36 32.49	4.1387	.0963	62 51 7.4	18.292	.255	21.1	82 172 173	62 3463	
2293	9.1	36 33.99	4.1449	.0970	62 58 52.2	18.291	.255	19.8	13 80	62 3464	
2294[g]	8.9	36 57.12	4.1656	.0990	63 20 6.8	18.278	.257	19.8	12 89	63 2915	
2295	9.0	37 7.02	4.1259	.0941	62 26 16.7	18.272	.255	19.8	11 90	62 3471	
2296	9.2	13 37 14.52	+4.2642	+.1108	−65 12 28.8	−18.267	+.264	19.7	10 22 71	64 2519	
2297	8.4	37 23.15	4.3222	.1180	66 12 0.2	18.262	.268	19.8	20 74 199	65 2435	
2298	9.0	37 34.15	4.1338	.0946	62 30 37.7	18.255	.257	20.2	77 87	62 3481	
2299	9.0	37 47.42	4.3011	.1148	65 45 12.2	18.247	.267	21.0	88 163 167	65 2437	
2300	9.3	37 50.90	4.3253	.1179	66 9 23.1	18.245	.269	20.3	91 96	65 2438	

(a) *s* 4s 1′N. (b) *p* 14s ★ 9.2 1′4S. (c) *p* 5s ★ 10.1 1′2N. (d) *s* 15s ★ 9.3 0′3N. (e) *p* 10s ★ 9.2 0′5N.
(f) *s* 20s = δ. (g) *s* 15s ★ 9.1 0′8S.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2301	9.0	13h38m 5ˢ.91	+ˢ.3257	+ˢ.1176	−66° 6′48″.2	−18″.236	+″.269	21.1	97 170 171	65°2439	
2302	9.1	38 6.44	4.1709	.0985	63 11 25.0	18.236	.260	20.3	93 98	62 3490	
2303	8.8	38 48.02	4.1491	.0952	62 34 14.4	18.211	.260	20.3	94 99	62 3508	
2304	9.0	38 57.97	4.2539	.1075	64 39 14.0	18.205	.267	20.3	95 100	64 2534	
2305	8.6	39 3.48	4.2746	.1100	65 1 5.0	18.201	.270	21.2	155 156 165	64 2535	
2306	9.1	13 39 24.19	+4.2028	+.1009	−63 33 56.1	−18.189	+.265	21.0	84 164 168	63 2936	
2307	9.0	39 26.75	4.1858	.0989	63 12 30.2	18.187	.264	21.1	82 172 173	62 3519	
2308	7.5	39 47.87	4.3621	.1201	66 22 41.6	18.174	.276	21.1	97 170 171	66 2309	
2309	8.3	40 32.01	4.2156	.1013	63 34 54.6	18.147	.269	19.8	13 80	63 2942	
2310	8.4	40 34.45	4.2617	.1067	64 27 49.8	18.145	.272	20.3	12 89 102 103	64 2544	
2311	9.0	13 40 50.81	+4.1959	+.0986	−63 6 51.7	−18.135	+.268	19.8	11 90	62 3548	
2312	8.4	40 54.11	4.2049	.0996	63 17 16.0	18.133	.269	19.9	22 71	63 2951	
2313	8.7	41 0.79	4.2011	.0990	63 11 13.0	18.129	.269	20.9	20 159 160 161	62 3552	
2314	8.4	41 9.28	4.2593	.1058	64 18 1.0	18.124	.273	20.2	77 87	64 2552	
2315	9.2	41 17.98	4.3802	.1206	66 22 40.5	18.118	.281	20.3	95 100	66 2314	
2316[a]	7.7	13 41 20.91	+4.1733	+.0955	−62 32 3.1	−18.116	+.268	21.3	159 163 167	62 3570	
2317[b]	9.2	41 43.69	4.1864	.0966	62 43 42.8	18.102	.270	20.3	91 96	62 3579	
2318	9.0	41 55.30	4.1725	.0949	62 23 33.7	18.095	.269	21.1	97 170 171	62 3586	
2319[c]	7.2	41 55.90	4.1643	.0939	62 12 53.2	18.095	.269	20.3	93 98	61 4003	R D C6 — I 223
2320	9.2	41 59.04	4.1615	.0936	62 8 34.8	18.093	.269	20.3	94 99	61 4006	
2321	9.1	13 42 7.26	+4.2522	+.1039	−63 57 50.4	−18.087	+.275	21.2	155 156 165	63 2963	
2322	8.5	42 7.29	4.2535	.1040	63 59 25.1	18.087	.275	20.3	95 100	63 2962	
2323	8.5	42 31.68	4.3396	.1140	65 27 53.6	18.072	.281	21.0	84 164 168	65 2459	MZ 29663
2324	8.3	42 36.57	4.2329	.1011	63 29 16.4	18.069	.275	21.1	82 172 173	63 2968	DC6 31
2325	8.7	42 49.04	4.2143	.0988	63 4 26.1	18.061	.274	19.8	13 80	62 3600	
2326	9.1	13 42 53.84	+4.1687	+.0935	−62 6 7.4	−18.058	+.271	19.8	11 90	61 4023	
2327	8.4	42 55.04	4.2795	.1063	64 19 0.8	18.057	.278	20.3	89 102 103	64 2563	
2328	8.7	42 56.89	4.3014	.1089	64 42 41.7	18.056	.280	20.9	71 160 161	64 2564	
2329	9.2	43 36.26	4.2652	.1039	63 54 34.0	18.031	.279	19.8	20 74	63 2978	
2330	9.0	43 37.16	4.2611	.1034	63 49 39.8	18.031	.279	20.2	77 87	63 2979	
2331	8.9	13 43 40.65	+4.1819	+.0943	−62 13 4.4	−18.028	+.274	21.3	159 163 167	61 4035	
2332	8.9	43 52.53	4.2692	.1041	63 55 45.7	18.021	.280	20.3	91 96	63 2983	
2333	8.9	43 59.37	4.3907	.1185	66 1 46.2	18.016	.288	21.1	97 170 171	65 2467	DC6
2334	8.5	44 4.16	4.2595	.1027	63 42 21.4	18.013	.280	20.3	93 98	63 2986	
2335	8.5	44 20.80	4.2112	.0969	62 41 26.7	18.003	.278	20.0	13 80 94	62 3628	
2336	8.9	13 44 23.92	+4.3840	+.1172	−65 50 34.9	−18.001	+.289	20.3	90 95 100	65 2472	
2337	8.9	44 28.66	4.2344	.0994	63 7 54.7	17.998	.279	21.2	155 156 165	62 3632	
2338	9.0	44 31.62	4.2784	.1044	63 58 15.3	17.996	.282	21.0	84 164 168	63 2991	
2339	8.8	44 42.42	4.2072	.0961	62 32 1.9	17.989	.278	21.1	82 172 173	62 3635	
2340	8.6	44 45.60	4.2154	.0970	62 41 24.6	17.987	.279	20.3	80 94 99	62 3636	
2341	8.8	13 44 55.65	+4.3901	+.1173	−65 50 32.4	−17.980	+.291	20.0	11 90 95 100	65 2478	
2342[d]	8.8	44 56.04	4.2445	.1001	63 14 20.1	17.980	.281	21.0	89 159 160 161	62 3640	
2343	9.1	45 10.35	4.2090	.0959	62 28 21.4	17.971	.279	19.9	22 71	62 3647	
2344	8.8	45 16.82	4.4254	.1212	66 20 11.9	17.967	.294	21.3	163 167	66 2345	
2345[e]	8.9	45 19.52	4.2218	.0972	62 42 15.2	17.965	.281	20.6	20 74 160 161	62 3653	
2346	8.8	13 45 29.57	+4.2398	+.0990	−63 1 51.1	−17.958	+.282	20.2	77 87	62 3656	
2347	9.2	45 31.26	4.2152	.0962	62 31 41.7	17.957	.281	20.4	102 103	62 3657	
2348	9.0	45 39.50	4.2288	.0976	62 46 36.1	17.952	.282	20.3	91 96	62 3660	
2349[f]	8.8	45 41.60	4.2230	.0969	62 39 13.1	17.951	.282	21.1	97 170 171	62 3662	
2350	8.8	45 51.29	4.2685	.1019	63 31 6.2	17.944	.285	20.3	95 100	63 3004	

(a) p 1ˢ ★ 9.0 0′68. (b) s 2ˢ ★ 9.7 0′2N. (c) D t s. (d) s 14ˢ ★ 9.5 0′48.
(e) = α 1′8N y s 10ˢ ★ 9.5 = δ. (f) s 13ˢ ★ 9.8 1′8.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2351	8.8	13h45 52s.69	+4s.3815	+s.1152	−65°31′14″.8	−17″.943	+″.292	21.2	155 156 165	65°2487	
2352[a]	8.7	45 52.96	4.2494	.0997	63 8 27.3	17.943	.284	20.3	93 98	62 3665	
2353	9.0	45 53.16	4.3029	.1058	64 9 16.5	17.943	.287	20.8	94 159	63 3003	
2354	8.4	46 3.80	4.3764	.1144	65 24 5.2	17.936	.292	21.0	84 164 168	65 2488	
2355	8.8	46 24.51	4.3329	.1088	64 35 25.1	17.923	.290	21.1	82 172 173	64 2591	
2356	8.4	13 46 38.85	+4.3979	+.1163	−65 38 40.5	−17.913	+.295	19.8	13 80	65 2495	
2357	8.8	46 42.31	4.4228	.1193	66 1 59.9	17.911	.297	19.8	12 89	65 2496	
2358	8.9	46 59.13	4.4099	.1174	65 46 35.4	17.900	.297	19.8	11 90	65 2498	
2359	7.9	47 2.62	4.2243	.0958	62 24 15.4	17.898	.285	20.6	22 71 160 161	62 3688	
2360	8.6	47 3.63	4.2680	.1007	63 15 59.6	17.897	.288	19.8	20 74	63 3017	
2361	7.8	13 47 10.95	+4.2548	+.0991	−62 59 7.8	−17.892	+.287	20.2	77 87	62 3690	
2362	8.3	47 12.33	4.2570	.0993	63 1 31.9	17.891	.287	21.3	159 163 167	62 3691	
2363[b]	8.8	47 17.34	4.2188	.0950	62 14 26.9	17.888	.285	20.3	91 96	61 4089	
2364[c]	8.8	47 18.80	4.2509	.0985	62 52 56.5	17.887	.287	21.1	97 170 171	62 3695	
2365	8.3	47 36.68	4.2273	.0956	62 21 1.2	17.875	.286	20.3	93 98	62 3703	MZ 14559
2366	6.5	13 47 41.53	+4.4414	+.1203	−66 8 32.2	−17.872	+.301	20.3	94 99	65 2503	
2367	8.8	47 43.68	4.2368	.0966	62 31 5.2	17.871	.287	20.3	95 100	62 3705	
2368[d]	9.3	47 48.82	4.2604	.0991	62 58 12.8	17.867	.289	21.2	155 156 165	62 3706	
2369	8.6	47 49.47	4.2882	.1022	63 30 1.6	17.867	.291	20.8	84 168	63 3026	
2370	9.1	48 0.80	4.2462	.0974	62 38 58.8	17.859	.289	21.1	82 172 173	62 3713	
2371	8.8	13 48 8.91	+4.2886	+.1019	−63 26 39.9	−17.854	+.292	19.8	13 80	63 3030	
2372	8.9	48 22.54	4.2745	.1001	63 7 56.6	17.845	.292	19.8	12 89	62 3725	
2373	9.2	48 29.11	4.3898	.1132	65 10 10.8	17.841	.299	19.8	11 90	64 2612	
2374	8.7	48 58.47	4.4032	.1143	65 17 59.3	17.821	.302	19.9	22 71	65 2519	
2375	9.0	49 3.91	4.3681	.1101	64 41 46.7	17.817	.299	20.2	77 87	64 2620	
2376	9.2	13 49 5.00	+4.3979	+.1135	−65 11 32.3	−17.817	+.301	20.6	20 74 160 161	64 2618	
2377	9.0	49 20.52	4.2537	.0969	62 32 6.2	17.806	.292	20.4	102 103	62 3738	
2378	9.1	50 3.75	4.3702	.1093	64 32 41.5	17.777	.302	20.3	91 96	64 2631	
2379	7.8	50 13.16	4.4629	.1199	66 1 4.6	17.771	.309	21.1	97 170 171	65 2526	Circ. L 5707
2380[e]	8.8	50 14.93	4.4602	.1196	65 58 20.3	17.770	.309	20.3	93 98	65 2529	
2381	7.6	13 50 38.61	+4.3188	+.1029	−63 31 25.9	−17.754	+.300	20.3	94 99	63 3053	
2382	8.8	50 52.75	4.3036	.1010	63 11 51.4	17.744	.300	21.2	155 156 165	62 3755	R
2383	9.0	50 52.84	4.4787	.1211	66 8 28.3	17.744	.311	20.3	95 100	65 2534	
2384[f]	9.1	51 2.44	4.4186	.1138	65 10 22.5	17.738	.308	21.0	84 164 168	64 2640	
2385	7.6	52 0.50	4.2592	.0951	62 7 16.7	17.698	.299	21.1	82 172 173	61 4194	
2386	6.3	13 52 12.16	+4.3237	+.1018	−63 19 12.1	−17.690	+.304	20.6	12 89 164 168	63 3070	F. Cent. 294 G
2387	9.0	52 13.16	4.3535	.1051	63 51 9.3	17.689	.306	19.8	13 80	63 3069	
2388[g]	9.0	52 30.02	4.3870	.1086	64 23 1.1	17.678	.309	19.8	11 90	64 2651	
2389	9.0	52 34.30	4.2891	.0978	62 35 54.5	17.675	.303	20.0	22 71	62 3779	
2390	9.0	52 35.93	4.3423	.1035	63 34 56.6	17.674	.306	19.8	20 74	63 3076	
2391[h]	8.4	13 52 43.84	+4.4439	+.1149	−65 16 31.8	−17.668	+.314	20.2	77 87	65 2551	D*h* 4630
2392[i]	7.2	52 54.11	4.4558	.1161	65 26 3.5	17.661	.315	21.3	159 160 161	65 2553	D*h* 4632
2393	9.1	53 8.72	4.4921	.1200	65 56 52.3	17.651	.318	21.1	97 170 171	65 2554	
2394	9.2	53 10.18	4.3098	.0994	62 52 41.6	17.650	.305	20.3	91 96	62 3788	
2395	9.1	53 17.35	4.3166	.1000	62 58 59.4	17.645	.306	20.3	93 98	62 3789	
2396	8.8	13 53 17.66	+4.4008	+.1094	−64 28 20.1	−17.645	+.312	20.3	95 100	64 2657	
2397	8.3	53 18.46	4.2837	.0965	62 21 11.7	17.644	.304	20.3	94 99	62 3790	
2398	8.8	53 38.39	4.4623	.1160	65 24 20.6	17.631	.317	21.2	155 156 165	65 2562	
2399	8.3	53 45.15	4.5262	.1233	66 20 46.5	17.626	.322	21.3	163 167	66 2394	
2400	9.0	53 51.24	4.4303	.1121	64 51 30.5	17.622	.315	21.0	84 164 168	64 2660	

(a) *s* 14s ★ 9.4 0′7N. (b) *s* 12s ★ 9.2 0′9S. (c) *s* 34s ★ 9.1 = 2. (d) *p* 20s ★ 9.6 1′1N.
(e) *p* 2s ★ 7.8 2′5S y *s* 9s ★ 9.5 0′3N. (f) *p* 5s ★ 9.1 0′1S. (g) *p* 2s ★ 9.5 0′2N. (h) D *t s*. (i) D *p* 10s 1′N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec	Ep. 1900	Zonas	C. P. D.	Obser.
2401	8.6	13h53m56ˢ.72	+ˢ.2767	+ˢ.0952	−62° 5′43″.9	−17″.618	+″.305	21.1	82 172 173	61°4224	
2402	8.3	54 21.48	4.4558	.1144	65 10 39.6	17.601	.319	19.8	13 80	64 2663	Lac 5755
2403[a]	9.2	54 31.82	4.3102	.0982	62 37 51.3	17.593	.309	21.0	89 159 160 161	62 3805	
2404	8.7	54 33.32	4.4031	.1083	64 17 2.2	17.592	.315	19.8	11 90	64 2665	
2405	8.9	54 38.96	4.3058	.0976	62 31 32.1	17.588	.309	20.7	22 160 161	62 3806	
2406[b]	8.0	13 54 40.33	+4.3004	+.0970	−62 25 5.5	−17.587	+.308	19.8	20 74	62 3807	
2407	9.2	55 0.54	4.3768	.1049	63 45 9.7	17.573	.315	20.2	77 87	63 3088	
2408	8.9	55 3.14	4.4172	.1093	64 25 51.1	17.571	.317	20.4	102 103	64 2667	
2409	6.6	55 12.09	4.5128	.1201	65 54 18.5	17.565	.325	20.3	91 96	65 2573	D Harward
2410	8.7	55 18.19	4.2989	.0963	62 16 12.8	17.561	.310	21.1	97 170 171	62 3824	MZ 14574
2411[c]	9.0	13 55 38.38	+4.3067	+.0968	−62 21 26.9	−17.547	+.311	20.3	93 98	62 3835	
2412	7.6	56 2.07	4.3228	.0981	62 35 16.8	17.530	.313	20.3	94 99	62 3839	RD Innes 225
2413	9.0	56 21.29	4.3975	.1058	63 52 2.0	17.516	.319	20.3	95 100	63 3093	
2414	8.7	56 33.67	4.3282	.0982	62 35 36.1	17.508	.315	21.2	155 156 165	62 3847	
2415	8.9	56 38.26	4.3563	.1011	63 5 36.6	17.504	.317	21.0	84 164 168	62 3848	
2416	8.8	13 57 16.72	+4.5371	+.1205	−65 54 52.3	−17.477	+.331	21.1	82 172 173	65 2588	
2417	8.3	57 20.18	4.3401	.1019	63 12 21.5	17.474	.320	19.8	13 80	62 3856	
2418	9.2	57 22.52	4.3238	.0970	62 21 41.7	17.473	.317	19.8	12 89	62 3858	
2419	8.7	57 35.59	4.3875	.1036	63 28 32.2	17.463	.322	19.8	11 90	63 3099	
2420	8.0	57 51.94	4.5761	.1243	66 22 26.6	17.452	.336	21.1	97 170 171	66 2419	
2421[d]	8.9	13 58 1.79	+4.3924	+.1037	−63 29 1.9	−17.445	+.323	20.7	22 160 161	63 3102	
2422	9.0	58 21.15	4.3280	.0966	62 15 43.6	17.431	.319	19.8	20 74	62 3871	
2423	8.7	58 28.32	4.4515	.1096	64 23 51.4	17.426	.328	20.2	77 87	64 2695	
2424	8.0	58 40.53	4.4954	.1143	65 3 19.7	17.417	.332	21.3	159 163 167	64 2697	Circini G 19043
2425	9.0	59 32.44	4.5165	.1157	65 13 59.6	17.379	.336	20.3	91 96	64 2703	
2426[e]	9.0	13 59 34.89	+4.4384	+.1071	−63 59 30.9	−17.377	+.330	21.1	97 170 171	63 3112	
2427	9.1	59 35.97	4.3422	.0970	62 18 11.2	17.377	.323	20.3	93 98	62 3885	
2428	8.8	59 36.56	4.4038	.1034	63 24 20.9	17.376	.328	21.0	94 159 160 161	63 3113	
2429	9.0	59 37.45	4.4017	.1032	63 21 51.0	17.375	.328	20.3	95 100	63 3114	
2430	8.8	59 54.13	4.3368	.0962	62 8 53.1	17.363	.324	21.2	155 156 165	61 4317	
2431	8.9	13 59 56.76	+4.3415	+.0967	−62 13 45.4	−17.361	+.324	21.3	164 168	61 4318	
2432	8.4	14 0 6.51	4.3742	.0999	62 47 46.6	17.354	.326	21.1	82 172 173	62 3895	
2433[f]	9.4	0 10.51	4.5156	.1150	65 6 52.9	17.351	.337	20.3	80 102 103	64 2709	
2434	9.0	0 26.11	4.5351	.1168	65 21 52.3	17.340	.339	19.5	20 22	65 2600	
2435[g]	9.0	0 51.38	4.5131	.1140	64 57 52.5	17.321	.339	21.5	172 173 174	64 2722	
2436[h]	9.2	14 0 54.75	+4.4117	+.1030	−63 18 52.7	−17.319	+.331	21.0	89 161 167	63 3125	
2437	9.1	1 6.49	4.4839	.1105	64 28 10.9	17.310	.337	19.9	23 91	64 2727	
2438	8.8	1 17.29	4.3579	.0971	62 17 34.7	17.302	.328	19.9	24 93	62 3916	
2439	9.0	1 20.48	4.5264	.1149	65 5 15.2	17.300	.341	21.4	163 168 177	64 2729	
2440	7.7	1 31.73	4.4047	.1017	63 5 15.6	17.292	.332	20.6	26 176	62 3920	Dh 4642
2441	8.9	14 1 38.58	+4.4442	+.1057	−63 44 18.8	+17.287	+.336	20.2	81 90	63 3132	
2442[i]	8.7	1 45.95	4.4065	.1016	63 4 39.9	17.281	.333	20.2	83 94	62 3922	
2443	8.9	1 52.47	4.4695	.1082	64 6 42.5	17.276	.338	20.3	95 96	63 3134	
2444[j]	8.2	1 55.14	4.5811	.1203	65 47 41.2	17.275	.346	20.4	97 102	65 2610	
2445[k]	9.0	2 9.27	4.3879	.0994	62 41 5.5	17.264	.333	20.8	99 103 161 163	62 3933	
2446	8.8	14 2 11.26	+4.4975	+.1108	−64 30 15.2	−17.263	+.341	20.4	100 105	64 2734	
2447	8.3	2 24.68	4.4794	.1087	64 10 57.8	17.253	.340	20.9	101 106 167 168	63 3136	
2448	8.9	2 38.17	4.4062	.1008	62 55 21.3	17.243	.335	21.5	170 176 177	62 3940	MZ 14591
2449	7.3	2 40.83	4.4026	.1004	62 51 8.3	17.241	.335	21.5	171 175	62 3941	
2450	8.6	2 52.13	4.3849	.0984	62 30 25.8	17.232	.334	20.2	85 86	62 3946	

(a) p 18ˢ ★ 9.7 = δ y s 6ˢ ★ 10.0 = δ. (b) s 4ˢ d = δ. (c) p 13ˢ ★ 9.2 1′7S y p 5ˢ ★ 9.2 1′3N.

(d) p 25ˢ ★ 8.7 0′5N y s 18ˢ ★ 9.0 1′3N. (e) s 21ˢ ★ 9.4 1′N. (f) s 21ˢ ★ 10.0 0′4N.

(g) p 17ˢ ★ 9.5 1′3N y s 11ˢ ★ 9.8 1′N. (h) p 12ˢ ★ 9.0 0′6N. (i) p 16ˢ ★ 9.4 0′2S.

(j) s 7ˢ ★ 9.1 0′7S. (k) p 6ˢ ★ 9.5 1′N y p 20ˢ ★ 9.9 0′6S.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2451	8.4	14h 3m 2s.08	+4s.4643	+s.1064	−63°50′ 3″.4	−17″.225	+″.340	21.5	172 173 174	63°3141	
2452	9.0	3 3.67	4.4759	.1076	64 1 7.4	17.224	.341	20.7	20 164 167	63 3142	
2453	9.1	3 8.25	4.4190	.1017	63 3 34.7	17.220	.337	19.9	22 89	62 3949	
2454	8.4	3 26.99	4.5614	.1165	65 16 0.7	17.206	.349	19.9	23 91	65 2618	
2455	8.6	3 34.64	4.4033	.0997	62 42 47.4	17.201	.337	19.9	24 93	62 3954	
2456	8.9	14 3 37.20	+4.5769	+.1180	−65 27 50.6	−17.200	+.350	21.0	77 168 177	65 2619	
2457	9.0	3 45.02	4.5085	.1104	64 25 14.0	17.193	.345	21.3	161 163	64 2744	
2458	8.9	3 52.46	4.3931	.0984	62 28 54.7	17.187	.337	20.2	81 90	62 3962	
2459	9.2	4 3.57	4.4387	.1029	63 14 24.3	17.179	.341	20.3	83 94	63 3148	
2460	9.1	4 20.10	4.5029	.1093	64 14 20.1	17.166	.347	20.3	95 96	64 2751	
2461	8.4	14 4 27.24	+4.3965	+.0982	−62 26 37.6	−17.161	+.339	20.4	99 103	62 3967	
2462	9.0	4 27.80	4.4744	.1130	64 45 50.0	17.161	.349	20.3	97 102	63 3149	
2463[a]	8.3	4 40.39	4.6450	.1244	66 14 52.2	17.151	.358	20.4	100 105	66 2463	D*h* 4654
2464	8.9	4 42.64	4.4456	.1030	63 14 49.9	17.149	.343	20.9	101 106 164 167	63 3151	
2465	8.1	5 12.23	4.3858	.0965	62 7 29.3	17.127	.340	21.5	170 176 177	61 4382	
2466	8.5	14 5 16.36	+4.4184	+.0997	−62 41 22.0	−17.124	+.342	21.5	171 175	62 3974	
2467	8.8	5 18.91	4.3841	.0963	62 4 29.1	17.122	.340	20.7	20 163 168	61 4386	
2468	9.1	5 19.36	4.4509	.1030	63 14 6.3	17.122	.345	21.5	172 173 174	62 3975	
2469	8.9	5 19.78	4.5047	.1085	64 6 18.9	17.121	.349	20.2	85 86	63 3152	
2470[b]	8.8	5 26.60	4.6393	.1229	66 3 14.7	17.116	.359	20.8	89 161	65 2627	
2471[c]	8.8	14 5 37.10	+4.4265	+.1002	−62 46 18.2	−17.108	+.343	21.4	163 168 177	62 3978	
2472[d]	8.2	6 24.92	4.6169	.1194	65 35 53.2	17.072	.360	19.9	24 93	65 2637	
2473	8.7	6 34.20	4.6226	.1198	65 39 12.6	17.065	.361	19.9	25 77	65 2639	
2474	8.5	6 41.04	4.5331	.1102	64 19 47.5	17.059	.354	21.3	161 164 167	64 2767	
2475	8.9	6 46.02	4.4612	.1027	63 10 8.5	17.056	.349	20.2	81 90	62 3986	
2476	8.6	14 6 57.41	+4.6597	+.1234	−66 6 0.3	−17.047	+.365	20.3	83 94	65 2642	
2477	9.0	6 58.65	4.6386	.1210	65 48 43.7	17.046	.363	20.3	95 96	65 2643	
2478	8.6	7 12.38	4.4651	.1026	63 9 46.6	17.035	.350	20.3	97 102	62 3990	
2479	8.8	7 13.89	4.5052	.1067	63 48 30.8	17.034	.354	20.4	99 103	63 3164	
2480	8.9	7 18.42	4.6811	.1255	66 19 53.5	17.031	.367	21.1	100 168 177	66 2476	
2481	8.2	14 7 30.55	+4.4971	+.1056	−63 38 3.0	−17.021	+.354	20.9	101 106 163 167	63 3166	
2482[e]	8.5	8 7.01	4.4141	.0968	62 8 30.5	16.993	.349	21.2	108 170 176	61 4418	
2483	8.6	8 28.86	4.5204	.1071	63 51 0.3	16.976	.358	21.5	171 175 177	63 3176	
2484	9.0	8 30.16	4.4488	.0999	62 40 42.1	16.975	.352	20.2	85 86	62 4007	
2485	9.2	8 36.02	4.5218	.1071	63 51 11.9	16.971	.358	21.5	172 173 174	63 3178	
2486	7.3	14 8 42.22	+4.6570	+.1212	−65 48 12.7	−16.966	+.369	20.9	20 161 163 164	65 2652	
2487	7.0	8 49.49	4.6254	.1177	65 21 2.9	16.960	.367	19.9	22 89	65 2655	
2488	8.6	9 27.93	4.5112	.1052	63 32 58.2	16.930	.359	19.9	23 91	63 3183	
2489	9.0	9 38.42	4.4560	.0996	62 36 58.5	16.922	.356	19.9	24 93	62 4012	
2490	9.2	9 45.64	4.4669	.1006	62 46 50.2	16.917	.357	21.0	77 163 167	62 4014	
2491	8.8	14 9 46.00	+4.5032	+.1042	−63 22 28.9	−16.916	+.360	21.0	80 161 168	63 3186	
2492	8.0	10 0.11	4.4682	.1005	62 45 52.9	16.905	.357	20.0	25 81 90	62 4016	
2493	8.7	10 1.38	4.4647	.1001	62 42 10.4	16.904	.357	20.3	83 94	62 4017	MZ 14608
2494[f]	8.1	10 22.17	4.4351	.0979	62 8 24.4	16.888	.355	20.3	95 96 100	61 4445	
2495	8.8	10 26.50	4.6791	.1217	65 50 40.1	16.885	.375	20.4	97 102	65 2661	
2496	9.1	14 10 26.94	+4.5536	+.1086	−64 3 23.6	−16.884	+.365	20.4	99 103	63 3188	
2497[g]	8.6	10 39.93	4.4373	.0969	62 7 49.7	16.874	.357	21.0	105 163 167	61 4450	
2498	9.1	10 40.47	4.5810	.1112	64 25 54.7	16.874	.368	21.5	171 175 177	64 2793	
2499	5.9	10 41.63	4.7120	.1250	66 14 21.9	16.873	.378	20.4	101 106	66 2490	18 G Circini D Brib. 4811,
2500	8.8	10 43.01	4.5033	.1033	63 13 36.8	16.872	.362	21.2	108 170 176	62 4024	

(*a*) D *t p* S. (*b*) *s* 10ª ★ 9.1 1′S. (*c*) *p* 1ª ★ 9.4 0′8S. (*d*) *p* 5ª ★ 9.2 1′3N. (*e*) *s* 9ª ★ 9.0 0′3N.
(*f*) *s* 8ª ★ 10.0 0′7S *y s* 17ª ★ 8.6 0′6N. (*g*) *p* 17ª ★ 8.1 0′6S *y p* 8ª ★ 10.0 1′3S.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec	Ep. 1900	Zonas	C. P. D.	Obser.
2501	8.4	14h 10m 54s.09	+4s.4528	+s.0982	−62° 21′ 38″.5	−16″.863	+″.358	20.2	85 86	62°4028	
2502	8.7	10 54.90	4.4629	.0992	62 31 46.4	16.862	.359	21.5	172 173 174	62 4027	
2503	7.3	11 14.08	4.6968	.1228	65 57 47.5	16.847	.379	20.7	20 161 164	65 2667	
2504	8.6	11 38.32	4.4854	.1008	62 47 26.1	16.828	.362	19.9	22 89	62 4035	
2505	9.1	11 41.54	4.7150	.1243	66 8 5.7	16.825	.381	19.9	23 91	65 2668	
2506	8.9	14 11 44.37	+4.4658	+.0988	−62 26 51.6	−16.823	+.361	19.9	24 93	62 4037	
2507	7.5	12 11.03	4.5075	.1024	63 3 57.9	16.802	.366	20.4	25 77 163	62 4039	
2508	9.1	12 14.99	4.5760	.1092	64 7 8.5	16.799	.371	21.0	80 161 168	63 3197	
2509[a]	8.9	12 24.37	4.6325	.1148	64 55 3.9	16.791	.376	20.2	81 90	64 2800	D
2510	8.8	12 26.48	4.5351	.1049	63 27 52.4	16.790	.368	20.3	83 94	63 3199	
2511[b]	8.8	14 12 31.24	+4.6595	+.1175	−65 16 37.5	−16.786	+.378	20.3	95 96	65 2672	
2512[c]	8.5	12 34.44	4.4778	.0992	62 31 11.7	16.783	.364	20.4	97 102	62 4046	
2513	8.5	12 47.51	4.4883	.1000	62 39 28.2	16.773	.366	20.4	99 103	62 4049	
2514	8.9	12 59.04	4.5335	.1043	63 21 25.1	16.764	.370	20.4	100 105	63 3203	
2515	8.7	13 4.07	4.5339	.1042	63 20 57.4	16.760	.370	20.4	101 106	63 3204	
2516	9.0	14 13 8.25	+4.5778	+.1085	−64 0 49.0	−16.756	+.373	21.2	108 170 176	63 3205	
2517	8.7	13 13.69	4.5516	.1058	63 36 5.6	16.752	.371	21.5	171 175 177	63 3206	
2518	8.5	13 58.32	4.6672	.1168	65 10 20.9	16.716	.383	20.2	85 86	64 2810	
2519	9.0	14 26.04	4.5502	.1046	63 23 48.6	16.694	.374	21.5	172 173 174	63 3215	
2520	8.9	14 33.06	4.7186	.1216	65 46 32.6	16.688	.388	20.9	20 161 163 164	65 2681	
2521	9.2	14 14 41.51	+4.5917	+.1085	−63 59 21.2	−16 681	+.378	19.9	22 89	63 3216	
2522[d]	9.2	14 44.33	4.4713	.0968	62 4 15.3	16.679	.369	19.9	23 91	61 4480	D
2523	9.0	14 47.50	4.7308	.1232	65 58 40.9	16.676	.390	20.6	24 93 167 168	65 2683	
2524	8.2	15 13.29	4.7035	.1193	65 28 57.7	16.656	.389	19.9	25 77	65 2686	
2525	8.7	15 23.28	4.6013	.1088	64 1 45.3	16.647	.381	20.9	80 161 163	63 3222	
2526[e]	8.6	14 15 24.30	+4.4877	+.0978	−62 14 35.8	−16.647	+.372	20.2	81 90	62 4074	
2527	8.0	15 31.04	4.5937	.1079	63 53 52.5	16.641	.381	20.3	83 94	63 3224	
2528	8.6	15 39.36	4.5439	.1029	63 6 56.0	16.634	.377	20.3	95 96	62 4076	
2529	8.7	15 41.87	4.7786	.1267	66 22 40.8	16.632	.396	20.4	97 102	66 2511	
2530	8.9	15 46.20	4.5667	.1050	63 27 10.4	16.629	.379	20.4	99 103	63 3228	
2531	8.4	14 16 6.84	+4.6025	+.1082	−63 56 26.6	−16.612	+.383	21.3	163 167 168	63 3230	
2532	7.9	16 12.99	4.5303	.1011	62 48 57.3	16.607	.377	20.4	101 106	62 4083	
2533	9.1	16 19.18	4.6972	.1175	65 14 41.3	16.602	.391	21.2	108 170 175	65 2695	
2534	8.4	16 27.70	4.7554	.1234	65 58 58.6	16.595	.396	21.5	171 175 177	65 2696	
2535	9.1	16 35.43	4.4881	.0968	62 4 6.0	16.589	.374	21.5	172 173 174	61 4498	
2536	9.1	14 16 35.70	+4.6146	+.1090	−64 2 54.5	−16.588	+.385	20.2	85 86	63 3231	
2537	8.9	16 42.30	4.7783	.1256	66 14 12.2	16.583	.398	20.7	20 161 168	66 2516	
2538	9.2	17 5.51	4.5904	.1061	63 37 4.0	16.564	.384	19.9	22 89	63 3235	
2539	9.0	17 10.72	4.6497	.1119	64 28 6.9	16.560	.389	19.9	23 91	64 2824	
2540	8.9	17 17.03	4.7889	.1260	66 17 21.6	16.555	.401	19.9	24 93	66 2518	
2541	7.1	14 17 29.08	+4.7922	+.1261	−66 18 11.5	−16.545	+.401	19.9	25 77	66 2519	
2542	9.0	17 30.37	4.5351	.1005	62 42 14.9	16.544	.380	20.8	80 163	62 4094	
2543	8.9	17 51.71	4.6146	.1078	63 51 52.7	16.526	.388	20.2	81 90	63 3240	
2544	8.7	18 0.61	4.5406	.1006	62 42 46.1	16.519	.382	20.3	83 94	62 4099	
2545	9.1	18 28.46	4.6854	.1142	64 46 55.5	16.496	.395	20.3	95 96	64 2830	
2546	8.3	14 18 36.58	+4.6748	+.1130	−64 37 3.3	−16.489	+.395	20.4	97 102	64 2831	
2547	8.8	18 43.64	4.7506	.1205	65 36 47.4	16.483	.401	20.4	99 103	65 2709	
2548	8.4	18 49.95	4.7158	.1169	65 8 37.3	16.478	.398	21.1	105 161 163 164	64 2832	MZ 29755
2549	8.5	19 1.64	4.5922	.1046	63 21 48.8	16.468	.389	20.4	101 106	63 3246	
2550[f]	8.8	19 35.40	4.7392	.1185	65 20 53.8	16.440	.402	21.5	170 176	65 2717	

(a) D *t p*. (b) *s* 15s ★ 9.9 1′S. (c) *p* 5s ★ 9.7 = δ y *s* 5s ★ 10.2 1′S. (d) D *t s*.
(e) *s* 6s ★ 10.0 0′6 N. (f) *s* 4s ★ 10.0 1′8S y *s* 24s ★ 9.1 1′3N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2551	7.0	14h19m38s.30	+4s.7777	+s.1223	−65°50′ 0″.4	−16″.438	+″.406	21.5	171 175	65°2718	
2552	8.4	20 7.93	4.6882	.1129	64 35 28.1	16.413	.399	20.2	85 86	64 2840	
2553	8.8	20 9.59	4.5446	.0991	62 27 33.1	16.411	.388	21.5	172 173 174	62 4118	
2554	8.4	20 10.62	4.7392	.1179	65 16 5.4	16.411	.404	20.7	20 161 163	65 2725	
2555[a]	9.3	20 12.62	4.6653	.1106	64 15 43.5	16.409	.398	19.9	22 89	64 2842	
2556	9.2	14 20 16.01	+4.5768	+.1020	−62 56 54.3	−16.406	+.391	19.9	23 91	62 4119	
2557	8.0	20 19.54	4.6577	.1097	64 8 15.1	16.403	.397	19.9	24 93	63 3252	
2558	8.8	20 26.76	4.7886	.1227	65 51 43.1	16.397	.409	19.9	25 77	65 2728	
2559	8.9	20 31.76	4.6135	.1053	63 28 3.8	16 393	.394	19.9	26 80	63 3254	
2560[b]	9.1	20 40.37	4.8154	.1251	66 9 46.5	16.386	.411	20.2	81 90	65 2729	
2561[c]	8.7	14 20 48.59	+4.8169	+.1251	−66 9 45.5	−16.379	+.412	20.2	81 90	65 2731	
2562	8.8	20 53.39	4.5895	.1027	63 3 16.3	16.375	.393	20.3	83 94	62 4122	
2563	7.0	21 5.75	4.8256	.1257	66 13 49.6	16.364	.413	20.4	97 102	66 2538	
2564	7.0	21 6.42	4.7655	.1196	65 29 0.4	16.364	.408	21.0	91 161 167	65 2732	L 5908, 13 G Cir.
2565	9.0	21 6.50	4.7426	.1173	65 11 13.5	16.364	.406	21.1	95 163 164 168	64 2846	
2566	9.4	14 21 26.67	+4.5405	+.0977	−62 12 24.7	−16.347	+.390	20.4	99 103	61 4540	
2567	8.8	21 46.79	4.7207	.1145	64 48 22.4	16.330	.406	21.1	105 167 168	64 2851	
2568	8.8	21 56.24	4.6400	.1065	63 39 30.7	16.322	.400	20.4	101 106	63 3260	
2569	8.9	22 11.28	4.6874	.1108	64 17 49.9	16.309	.404	21.2	108 170 176	64 2854	
2570[d]	8.5	22 32.05	4.7209	.1137	64 42 26.3	16.291	.408	21.5	171 175	64 2856	
2571	8.9	14 22 37.94	+4.7523	+.1167	−65 6 34.1	−16.286	+.411	20.2	85 86	64 2857	
2572	9.0	22 38.04	4.8551	.1271	66 23 0.5	16.286	.420	21.5	172 173 174	66 2546	
2573	8.9	23 7.15	4.6599	.1073	63 46 57.8	16.261	.404	19.9	22 89	63 3264	
2574	9.1	23 16.95	4.7641	.1172	65 10 34.6	16.253	.414	20.9	24 161 163 164	64 2867	
2575	8.4	23 19.37	4.7676	.1176	65 12 58.2	16.251	.414	19.9	25 77	64 2868	
2576	8.9	14 23 27.68	+4.7635	+.1170	−65 8 44.2	−16.244	+.414	19.9	26 80	64 2870	
2577	9.0	23 32.24	4.8398	.1245	66 4 33.8	16.240	.421	20.2	81 90	65 2742	
2578	9.2	23 51.24	4.6700	.1076	63 49 30.2	16.224	.407	20.3	83 94	63 3268	
2579	8.5	23 59.47	4.7123	.1115	64 23 42.4	16.217	.411	20.3	95 96	64 2876	
2580	9.2	24 3.65	4.6124	.1021	62 57 14.5	16.213	.402	20.4	97 102	62 4148	MZ 14648
2581[e]	8.8	14 24 10.22	+4.6528	+.1057	−63 32 8.3	−16.208	+.406	21.0	99 163 167	63 3271	
2582	9.0	24 10.86	4.5919	.1001	62 37 30.4	16.207	.401	20.4	100 105	62 4149	
2583	8.8	24 18.24	4.6333	.1038	63 13 57.3	16.201	.405	20.4	101 106	63 3272	
2584	9.0	24 23.23	4.7291	.1127	64 34 11.4	16.196	.413	21.2	108 170 176	64 2878	
2585	8.0	24 25.73	4.5878	.0995	62 31 35.7	16.194	.401	21.5	171 175	62 4152	
2586	9.0	14 24 49.69	+4.7746	+.1167	−65 6 32.5	−16.174	+.418	20.2	85 86	64 2879	
2587	9.0	25 12.28	4.5807	.0982	62 18 27.2	16.154	.402	21.5	172 173 174	62 4155	
2588	9.0	25 32.12	4.7111	.1100	64 10 19.5	16.137	.414	20.7	20 163 164	63 3278	
2589	9.1	25 49.52	4.5808	.0978	62 13 23.4	16.122	.404	19.9	22 89	61 4579	
2590	8.5	25 54.74	4.6985	.1084	63 56 52.5	16.117	.414	19.9	23 91	63 3280	
2591	8.9	14 25 59.03	+4.7318	+.1115	−64 23 40.8	−16.114	+.417	19.9	24 93	64 2891	
2592[f]	9.1	26 1.30	4.6540	.1042	63 18 2.8	16.112	.410	19.9	25 77	63 3283	
2593	9.0	26 10.71	4.7678	.1148	64 50 45.4	16.104	.421	20.4	26 80 168	64 2892	
2594	8.2	26 30.04	4.6167	.1004	62 40 58.2	16.087	.408	20.8	81 90 161 163	62 4173	
2595	9.0	26 39.36	4.6831	.1063	63 37 57.8	16.079	.415	21.1	95 167 168 177	63 3287	
2596[g]	8.9	14 26 39.74	+4.6285	+.1013	−62 50 14.3	−16.078	+.410	20.3	83 94	62 4175	
2597	9.1	26 42.78	4.8221	.1195	65 27 57.3	16.076	.427	20.4	97 102	65 2758	
2598	8.3	26 44.06	4.6932	.1072	63 45 54.2	16.074	.416	20.4	99 103	63 3288	
2599	9.0	26 48.46	4.5991	.0986	62 22 13.8	16.071	.408	20.4	100 105	62 4176	
2600	9.0	26 55.46	4.7723	.1145	64 48 26.1	16.065	.423	20.4	101 106	64 2897	

(a) p ★ 9.5 al N. (b) s 8s ★ 8.7 = δ. (c) p 8s ★ 9.1 = δ. (d) p 12s ★ 9.9 = δ. (e) p 8s ★ 9.9 0′.2S.
(f) s 5s ★ 10.0 2′N y s 14s ★ 9.3 0′.4S, (g) p 1s ★ 9.3 0′.1N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2601	8.5	14h26 57s.40	+4s.7101	+s.1086	−63°58′12″.9	−16″.063	+″.418	21.1	107 171 175	63°3289	
2602	8.9	26 57.73	4.6458	.1026	63 3 10.4	16.063	.412	21.2	108 170 176	62 4177	
2603	9.0	27 1.82	4.6778	.1055	63 30 26.7	16.059	.415	21.5	173 174	63 3291	
2604	8.6	27 1.96	4.7119	.1087	63 59 7.5	16.059	.418	20.2	85 86	63 3290	
2605[a]	9.1	27 13.08	4.7941	.1165	65 4 31.6	16.049	.426	21.5	20 177 199	64 2899	
2606[b]	9.3	14 27 43.78	+4.7332	+.1100	−64 11 2.9	−16.022	+.421	19.9	22 89	63 3297	
2607	9.1	27 47.01	4.7033	.1072	63 45 59.4	16.019	.419	20.1	23 91 99 103	63 3298	
2608	8.9	27 49.74	4.7753	.1139	64 43 45.9	16.017	.425	19.9	24 93	64 2902	
2609[c]	9.3	28 8.13	4.7695	.1131	64 36 54.9	16.001	.426	20.9	25 161 163 164	64 2905	
2610	8.4	28 9.01	4.7415	.1104	64 14 32.1	16.000	.423	20.8	26 167 178	64 2906	
2611[d]	9.2	14 28 20.74	+4.6929	+.1058	−63 32 51.0	−15.990	+.419	20.2	81 90	63 3302	
2612	9.0	28 23.49	4.8086	.1164	65 5 4.1	15.987	.430	20.3	83 94	64 2910	
2613	8.8	28 32.39	4.7181	.1079	63 52 21.0	15.980	.422	20.3	95 96	63 3303	
2614[e]	8.7	28 39.59	4.6541	.1020	62 56 48.6	15.973	.417	20.4	97 102	62 4186	Dh 4683
2615[f]	8.8	28 49.60	4.8616	.1212	65 40 58.6	15.964	.436	20.4	99 103	65 2775	
2616	9.0	14 28 54.22	+4.6530	+.1017	−62 53 55.8	−15.960	+.417	20.4	100 105	62 4188	
2617	9.2	28 58.46	4.7065	.1065	63 39 18.0	15.957	.422	21.1	101 168 177	63 3305	
2618	9.0	29 11.77	4.7531	.1106	64 15 43.9	15.945	.427	21.1	107 171 175	64 2921	
2619	8.9	29 13.56	4.7435	.1097	64 7 45.7	15.943	.426	21.2	108 170 176	63 3308	
2620	8.9	29 18.30	4.7764	.1126	64 33 19.3	15.939	.429	20.8	85 86 163 167	64 2923	Dh 4684
2621	8.9	14 29 24.72	+4.7379	+.1090	−64 1 49.9	−15.933	+.426	21.1	109 173 174	63 3310	
2622	9.0	29 26.98	4.9275	.1271	66 22 35.4	15.931	.443	19.6	20 27	66 2567	
2623	9.1	29 31.25	4.7725	.1121	64 28 39.3	15.928	.429	20.4	22 89 161	64 2928	
2624	8.9	29 39.42	4.6736	.1029	63 5 57.6	15.920	.421	19.9	23 91	62 4193	
2625	7.5	30 6.18	4.7194	.1066	63 41 14.5	15.897	.426	19.9	24 93	63 3313	
2626	9.1	14 30 16.13	+4.7354	+.1079	−63 53 11.4	−15.888	+.428	20.7	26 80 161 163[i]	63 3314	
2627	8.9	30 16.84	4.8952	.1230	65 54 11.9	15.887	.442	19.9	25 77	65 2782	
2628	8.8	30 25.30	4.9358	.1268	66 21 13.6	15.880	.446	20.2	81 90	66 2573	
2629	8.3	30 32.26	4.7330	.1075	63 49 6.2	15.873	.428	20.3	83 94	63 3315	
2630	9.5	30 33.96	4.7001	.1045	63 21 28.3	15.872	.425	20.3	95 96	63 3317	
2631	9.1	14 30 41.40	+4.7003	+.1044	−63 20 41.8	−15.865	+.426	20.4	97 102	63 3318	
2632[g]	8.7	30 49.42	4.8368	.1160	65 8 1.4	15.858	.438	20.4	99 103	64 2934	
2633	8.7	30 50.10	4.6258	.0977	62 14 4.9	15.858	.420	20.4	100 105	62 4199	
2634	8.9	31 0.96	4.9216	.1248	66 7 18.5	15.848	.446	20.4	101 106	65 2785	
2635	9.0	31 2.14	4.7616	.1097	64 8 25.4	15.847	.432	21.2	108 170 176	63 3321	
2636[h]	8.2	14 31 13.29	+4.6258	+.0974	−62 10 55.9	−15.837	+.420	21.1	107 171 175	61 4636	D
2637	8.3	31 23.93	4.7814	.1112	64 21 24.1	15.827	.435	20.2	85 86	64 2942	R
2638	9.0	31 35.74	4.6927	.1029	63 7 12.4	15.817	.427	21.1	109 173 174	62 4205	
2639	9.0	31 50.27	4.6775	.1014	62 52 13.1	15.804	.426	20.0	20 27 167 168	62 4206	
2640	8.9	31 58.08	4.8069	.1130	64 36 55.9	15.797	.438	19.9	22 89	64 2947	
2641	8.8	14 32 7.88	+4.7853	+.1108	−64 18 55.7	−15.788	+.437	19.9	23 91	64 2949	
2642[i]	9.1	32 13.54	4.9340	.1248	66 7 10.4	15.783	.450	19.9	24 93	65 2791	
2643	9.0	32 21.44	4.6863	.1018	62 55 43.6	15.776	.428	19.9	25 77	62 4209	
2644	8.6	32 35.12	4.9105	.1222	65 48 22.4	15.764	.449	20.4	26 80 167	65 2795	
2645	9.0	32 36.00	4.8264	.1142	64 47 6.6	15.763	.442	20.2	81 90	64 2952	
2646	8.7	14 32 39.92	+4.6410	+.0975	−62 13 18.0	−15.759	+.425	20.3	83 94	62 4213	
2647	8.5	33 1.70	4.6708	.0998	62 37 4.5	15.740	.429	20.3	95 96	62 4216	MZ 14685
2648	8.7	33 7.01	4.7973	.1110	64 20 56.9	15.735	.440	20.4	97 102	64 2955	
2649	9.1	33 8.10	4.7675	.1083	63 57 16.9	15.734	.438	20.3	99 103	63 3343	Dh 4688
2650	8.9	33 15.70	4.7788	.1092	64 5 24.1	15.727	.439	20.4	100 105	63 3345	

(a) *p* 23s ✱ 9.6 0′68. (b) *p* 22s ✱ 9.2 0′78. (c) *s* 6s ✱ 9.0 0′3N. (d) *p* 17s ✱ 9.4 0′28. (e) D *t p*.
(f) *s* 1s ✱ 9.3 1′28. (g) *s* 15s ✱ 10.0 1′8. (h) D *t b*. (i) *s* 4s ✱ 9.5 0′38. (j) 164.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2651	9.3	14h33 26s52	+4s8932	+s1196	−65°30′ 1″9	−15″717	+″450	20.4	101 106	65°2803	
2652 a	9.2	33 32.03	4.6560	.0981	62 20 1.9	15.712	.428	21.2	108 170 176	62 4220	
2653	8.6	33 35.35	4.8049	.1113	64 23 22.1	15.709	.442	21.1	107 171 175	64 2957	DCZ 1895
2654	8.3	33 41.93	4.7190	.1035	63 13 19.6	15.703	.434	21.1	109 173 174	63 3349	
2655	9.0	33 42.82	4.8152	.1121	64 30 21.7	15.702	.443	20.2	85 86	64 2958	
2656	8.7	14 34 12.84	+4.8203	+.1121	−64 30 37.5	−15.675	+.445	19.9	20 27 85 86	64 2961	
2657 b	9.1	34 17.83	4.9699	.1261	66 16 53.0	15.671	.459	19.9	22 89	66 2598	
2658	7.9	34 31.39	4.8703	.1165	65 5 45.6	15.658	.450	19.9	23 91	64 2964	
2659	8.8	34 43.39	4.6675	.0982	62 21 2.4	15.647	.432	19.9	25 77	62 4230	
2660	9.2	34 43.39	4.8757	.1167	65 8 13.8	15.647	.451	19.9	24 93	64 2968	
2661	9.1	14 34 44.92	+4.6641	+.0979	−62 17 50.4	−15.646	+.432	21.1	80 168 177	62 4231	
2662 c	9.1	34 46.32	4.7312	.1037	63 15 24.1	15.645	.438	20.2	81 90	63 3359	
2663	8.4	35 5.00	4.7398	.1041	63 20 9.3	15.628	.440	20.3	95 96	63 3364	
2664	8.7	35 6.55	4.7816	.1078	63 53 50.5	15.626	.443	20.3	83 94	63 3363	
2665	8.6	35 10.91	4.7788	.1075	63 51 6.1	15.622	.443	20.4	97 102	63 3365	
2666 d	8.7	14 35 34.57	+4.6931	+.0997	−62 36 56.0	−15 601	+.436	20.4	100 105	62 4242	
2667	9.0	35 35.03	4.6638	.0972	62 11 10.8	15.600	.434	20.4	99 103	61 4665	
2668	8.5	35 44.39	4.8013	.1087	64 1 38.8	15.592	.446	20.4	101 106	63 3371	
2669 e	8.9	35 59.93	4.7757	.1066	63 42 38.7	15.577	.445	21.2	108 170 176	63 3375	
2670 f	9.1	36 3.35	4.9249	.1200	65 33 56.8	15.574	.459	21.1	107 171 175	65 2831	
2671	8.8	14 36 6.75	+4.7047	+.1002	−62 42 49.9	−15.571	+.439	20.2	85 86	62 4246	
2672	9.1	36 23.05	4.9117	.1185	65 22 20.1	15.556	.458	19.6	20 27	65 2835	
2673 g	9.0	36 24.01	4.9290	.1201	65 34 24.8	15.555	.460	21.1	109 173 174	65 2834	
2674	9.1	36 25.25	4.8177	.1099	64 12 32.4	15.554	.450	21.1	91 168 177	63 3380	
2675 h	4.4	36 25.72	4.8525	.1130	64 38 58.1	15.554	.453	19.9	22 89	64 2977	D F. α Circini
2676	8.8	14 36 26.73	+4.7958	+.1079	−63 55 18 6	−15.553	+.448	19.9	24 93	63 3381	
2677	7.9	36 56.07	4.8785	.1149	64 54 33.3	15.526	.457	19.9	25 77	64 2981	
2678	8.2	37 0.71	4.9115	.1178	65 17 48.1	15.521	.460	21.1	80 164 167 168	65 2839	MZ 29806
2679	8.7	37 0.94	4.7223	.1010	62 51 6.6	15.521	.442	20.2	81 90	62 4254	
2680	9.0	37 2.29	4.9098	.1177	65 16 27.2	15.520	.460	20.3	83 94	65 2840	
2681	8.9	14 37 9.95	+4.9154	+.1181	−65 19 28.1	−15.513	+.461	20.3	95 96	65 2841	
2682	9.3	37 11.38	4.8671	.1136	64 44 22.4	15.512	.456	20.4	97 102	64 2984	
2683	9.1	37 20.27	4.9125	.1204	65 37 17.2	15.503	.463	20.4	99 103	65 2843	
2684	9.0	37 24.22	4.8512	.1120	64 31 3.1	15.500	.455	20.4	100 105	64 2986	
2685	8.9	37 29.99	4.7399	.1021	63 2 20.0	15.494	.445	20.4	101 106	62 4255	
2686	6.7	14 37 31.76	+4.7124	+.0998	−62 38 50.7	−15.493	+.443	21.1	107 171 175	62 4257	
2687 i	8.5	37 33.23	4.8698	.1135	64 43 51.1	15.491	.457	21.2	108 170 176	64 2987	
2688 j	9.2	37 46.20	4.8666	.1130	64 39 54.4	15.479	.457	20.2	85 86	64 2991	
2689	8.5	37 55.21	4.9946	.1247	66 8 31.0	15.471	.470	21.5	173 174 177	65 2845	
2690	8.8	38 14.04	4.7400	.1015	62 57 0.3	15.454	.447	19.6	20 27	62 4263	
2691	9.1	14 38 25.04	+4.7086	+.0987	−62 29 0.3	−15.443	+.444	19.9	23 91	62 4266	
2692 k	9.0	39 5.22	4.7628	.1028	63 9 35.0	15.406	.451	19.9	24 93	62 4273	
2693	6.1	39 19.53	4.7216	.0991	62 33 24.8	15.393	.448	19.9	25 77	62 4275	D F. Circ. 19 G
2694	8.6	39 26.60	4.9892	.1227	65 54 42.4	15.386	.473	21.0	80 167 168	65 2855	
2695	8.9	39 32.92	4.8796	.1125	64 37 5.9	15.380	.463	20.2	81 90	64 3002	
2696	8.4	14 40 0.13	+4.9847	+.1217	−65 48 0.6	−15.355	+.474	20.3	83 94	65 2858	
2697	8.9	40 2.38	5.0222	.1252	66 12 30.0	15.352	.477	20.3	95 96	65 2859	
2698	7.9	40 7.60	4.7049	.0970	62 13 11.5	15.348	.448	20.4	97 102	62 4281	
2699	9.1	40 9.06	4.7350	.0996	62 38 42.0	15.346	.451	21.1	99 168 177	62 4282	
2700	8.8	40 12.98	4.7740	.1028	63 10 36.6	15.343	.455	20.4	100 105	62 4283	

(a) D *l s*. (b) *s* 17s ✱ 9.4 0′7N. (c) *s* 13s ✱ 9.2 0′5N. (d) = z 0′2N. (e) *s* 4s ✱ 9.2 0′6S. (f) *s* 21s ✱ 9.0 0′5S.

(g) *p* 21s ✱ 9.1 0′5N. (h) Δ 166. (i) *s* 9s ✱ 9.0 0′9N. (j) *s* 40s ✱ 9.5 0′5S. (k) = z 0′2N D

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2701	8.7	14h40 16s01	+4s8066	+s1055	−63°36′20″3	−15″340	+″458	20.4	101 106	63°3400	
2702	8.1	40 19.40	4.8554	.1097	64 13 38.1	15.337	.462	21.2	108 170 176	64 3008	
2703	8.5	40 25.20	4.8295	.1074	63 53 8.0	15.331	.460	21.1	107 171 175	63 3402	
2704	8.9	40 29.98	4.9941	.1220	65 50 59.5	15.327	.476	20.2	85 86	65 2862	
2705	9.0	40 33.90	4.8752	.1013	64 26 44.8	15.323	.465	21.1	109 173 174	64 3010	
2706	8.2	14 40 43.37	+4.8539	+.1092	−64 9 44.9	−15.314	+.463	19.6	20 27	63 3403	
2707	8.8	41 4.84	4.8208	.1060	63 41 43.8	15.294	.461	19.9	22 89	63 3406	
2708	9.1	41 6.08	4.8138	.1054	63 36 8.4	15.293	.460	19.9	25 77	63 3407	
2709	8.3	41 6.38	4.9724	.1194	65 32 15.9	15.292	.475	19.9	23 91	65 2864	
2710	7.6	41 9.90	5.0021	.1221	65 51 51.4	15.289	.478	19.9	24 93	65 2865	
2711	7.2	14 41 28.20	+5.0190	+.1233	−66 1 1.6	−15.272	+.481	21.1	80 164 167 177	65 2868	
2712	9.0	41 40.98	5.0178	.1230	65 58 52.2	15.260	.481	20.2	81 90	65 2869	
2713	8.3	41 44.63	4.9688	.1185	65 25 31.7	15.256	.477	20.3	83 94	65 2871	
2714	9.0	41 47.20	4.8521	.1081	64 0 59.0	15.254	.466	20.3	95 96	63 3410	
2715	7.8	41 52.11	5.0329	.1242	66 7 30.0	15.249	.483	20.4	97 102	65 2874	
2716	9.0	14 41 52.84	+4.9841	+.1197	−65 35 4.5	−15.249	+.478	20.9	103 168	65 2875	
2717	8.9	41 53.27	4.8218	.1054	63 36 51.5	15.248	.463	20.4	100 105	63 3413	
2718	7.9	42 9.24	5.0439	.1249	66 12 45.1	15.233	.485	20.4	101 106	65 2879	
2719	8.3	42 13.82	5.0491	.1254	66 15 37.5	15.229	.485	21.2	108 170 176	66 2644	D Harward
2720	6.1	42 21.97	5.0523	.1255	66 16 48.4	15.221	.486	21.1	107 171 175	66 2645	DCZ 2441
2721	8.7	14 42 26.50	+5.0521	+.1254	−66 16 10.5	−15.217	+.486	20.2	85 86	66 2647	
2722	8.1	42 34.08	4.7847	.1017	63 2 31.7	15.209	.461	21.1	109 173 174	62 4294	
2723	7.7	43 8.13	4.9773	.1179	65 22 8.5	15.177	.480	19.6	20 27	65 2887	
2724	8.8	43 32.58	4.8629	.1075	63 57 3.4	15.154	.471	19.9	22 89	63 3420	
2725	7.8	43 41.59	4.9856	.1181	65 24 8.5	15.145	.483	19.9	23 91	65 2889	
2726	8.8	14 43 42.91	+4.8844	+.1092	−64 12 1.7	−15.144	+.473	19.9	24 93	63 3421	
2727	7.9	44 12.70	5.0399	.1225	65 56 54.2	15.115	.489	19.9	25 77	65 2895	
2728	8.2	44 17.01	5.0617	.1244	66 10 29.4	15.111	.491	20.3	80 100 105	65 2896	
2729[a]	8.7	44 29.50	5.0673	.1247	66 12 43.6	15.099	.493	20.2	81 90	66 2653	
2730	9.1	44 36.98	4.8539	.1058	63 42 51.8	15.092	.472	20.3	83 94	63 3423	
2731	8.5	14 44 57.57	+4.8161	+.1024	−63 11 4.1	−15.072	+.469	20.3	95 96	62 4306	
2732	8.8	45 11.79	4.8000	.1008	62 56 33.9	15.059	.469	20.4	99 103	62 4310	
2733	8.9	45 12.63	5.0445	.1219	65 53 33.3	15.058	.492	20.4	97 102	65 2901	
2734	9.3	45 26.43	5.0731	.1243	66 10 27.6	15.045	.495	20.4	100 105	65 2902	
2735	9.0	45 34.77	4.8933	.1083	64 6 5.9	15.037	.478	20.4	101 106	63 3425	
2736[b]	9.0	14 45 42.55	+4.8594	+.1054	−63 39 41.4	−15.029	+.475	21.5	170 176 177	63 3427	
2737	9.3	45 46.07	4.8575	.1052	63 37 48.1	15.026	.475	21.1	107 171 175	63 3428	
2738	9.1	45 54.97	5.0010	.1173	65 20 8.9	15.017	.489	20.2	85 86	65 2904	
2739	8.5	46 3.43	5.0156	.1185	65 29 4.5	15.009	.491	21.1	109 173 174	65 2905	
2740	8.8	46 14.23	4.8500	.1041	63 28 54.0	14.998	.476	20.7	20 167 168	63 3433	
2741	8.6	14 46 23.25	+4.7703	+.0975	−62 23 58.7	−14.990	+.468	19.9	22 89	62 4315	*Dh* 4704
2742	8.3	46 23.53	4.7606	.0967	62 15 49.6	14.989	.467	19.9	23 91	62 4316	
2743	6.6	46 28.34	4.8536	.1042	63 30 4.6	14.985	.476	19.9	24 93	63 3436	
2744	9.2	46 40.70	5.0979	.1253	66 18 20.3	14.973	.500	21.0	77 168 177	66 2659	L 6095, 26 G Cir.
2745	8.6	46 48.94	5.0944	.1248	66 15 18.7	14.965	.500	20.2	81 90	66 2660	
2746	7.6	14 46 50.28	+4.8978	+.1076	−64 1 1.6	−14.963	+.481	21.0	80 164 178	63 3438	
2747	9.0	46 52.65	4.8690	.1051	63 39 11.1	14.961	.479	20.6	83 94 167	63 3439	
2748	8.8	47 0.55	4.8345	.1022	63 11 32.8	14.953	.476	20.3	95 96	62 4318	
2749	8.7	47 9.08	4.7551	.0957	62 5 56.4	14.945	.469	20.4	97 102	61 4746	
2750[c]	8.9	47 9.65	4.9497	.1117	64 36 34.2	14.945	.487	20.4	100 103	64 3029	

(a) *s* 14ª ✱ 9.6 0′3N. (b) *p* 7ª ✱ 9.5 0′9, *s* 5ª ✱ 9.0 1′9N. (c) *p* 15ª ✱ 10.0 0′88 y *s* 8ª ✱ 9.3 1′S.

N°	M.	α 1925.0	Prec.	Var. Sec	δ 1925 0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2751	8.4	14h47m17s.19	+s.8686	+s.1048	−63°36′ 6″.5	−14″.937	+″.480	20.4	101 106	63°3441	
2752[a]	9.3	47 17.98	4.9523	.1118	64 37 32.2	14.937	.488	20.4	99 105	64 3031	
2753	8.9	47 22.09	4.7791	.0974	62 24 28.7	14.933	.471	21.2	108 170 176	62 4321	
2754	8.7	47 26.77	4.7656	.0963	62 12 43.8	14.928	.470	21.1	107 171 175	62 4322	
2755	8.5	47 36.22	4.7553	.0954	62 2 56.9	14.919	.470	20.2	85 86	61 4749	
2756	8.6	14 47 37.89	+4.8610	+.1039	−63 28 0.4	−14.917	+.480	21.1	109 173 174	63 3442	
2757	9.0	47 42.74	4.8714	.1047	63 35 27.0	14.913	.481	19.6	20 27	63 3443	
2758	7.7	47 49.43	5.0905	.1234	66 6 34.9	14.906	.503	19.9	22 89	65 2914	D*h* 4707
2759	9.4	48 17.20	5.0375	.1183	65 29 29.7	14.879	.499	19.9	23 91	65 2917	
2760	6.5	48 19.98	5.0556	.1198	65 41 7.0	14.876	.500	21.0	24 93 199	65 2918	
2761	8.9	14 48 38.25	+5.0788	+.1216	−65 54 8.6	−14.858	+.503	21.0	25 77 199	65 2919	
2762	9.2	48 49.72	4.8120	.0989	62 41 25.7	14.847	.478	21.4	167 168 177	62 4326	
2763	8.9	48 54.24	4.8610	.1028	63 19 34.2	14.843	.483	20.3	95 96	63 3446	
2764	7.9	48 54.75	5.1248	.1254	66 21 17.9	14.842	.508	20.3	83 94	66 2670	
2765	8.9	48 54.92	4.8198	.0994	62 47 7.5	14.842	.479	20.2	81 90	62 4327	
2766	8.7	14 48 58.76	+4.9983	+.1142	−64 58 47.7	−14.838	+.496	20.4	97 102	64 3036	
2767	9.2	49 1.30	5.0728	.1207	65 47 54.7	14.836	.504	20.4	99 103	65 2921	
2768[b]	8.3	49 31.98	4.9364	.1085	64 11 43.1	14.806	.492	20.4	100 105	63 3449	
2769	8.3	50 22.80	4.9998	.1130	64 51 1.3	14.756	.500	20.4	101 106	64 3045	
2770	8.7	50 32.50	4.9174	.1060	63 51 20.8	14.746	.492	21.2	108 170 176	63 3453	
2771	7.0	14 50 37.04	+4.7807	+.0950	−62 3 40.4	−14.741	+.479	21.1	107 171 175	61 4768	
2772	8.1	50 38.71	4.9974	.1126	64 47 40.6	14.740	.500	20.2	85 86	64 3047	Circini G 20168
2773	5.7	50 40.22	4.8115	.0974	62 28 39.9	14.738	.482	21.1	109 173 174	62 4337	Θ Circini
2774	8.6	51 6.75	4.8514	.1002	62 57 28.2	14.712	.487	19.6	20 27	62 4338	
2775	8.6	51 51.60	4.8047	.0959	62 15 10.3	14.668	.484	19.9	23 91	62 4340	
2776	8.4	14 51 51.98	+4.8597	+.1002	−62 59 4.6	−14.667	+.489	19.9	22 89	62 4339	
2777	8.4	51 53.00	4.8806	.1019	63 15 3.7	14.666	.491	19.8	24 25 93	63 3459	D*h* 4714
2778	8.5	51 54.92	4.8813	.1019	63 15 22.3	14.664	.491	21.0	77 167 168	63 3460	
2779	8.7	52 0.31	5.0729	.1177	65 29 43.2	14.659	.511	20.9	80 164 168	65 2930	
2780	8.6	52 19.64	5.1248	.1219	66 0 46.5	14.640	.517	20.2	81 90	65 2931	
2781	8.0	14 52 26.69	+5.0057	+.1116	−64 42 8.4	−14.633	+.505	20.3	83 94	64 3053	
2782	8.9	52 51.68	4.8547	.0991	62 48 41.9	14.608	.491	20.3	95 96	62 4343	
2783	9.0	52 58.46	5.1146	.1204	65 50 32.3	14.601	.517	20.4	97 102	65 2936	
2784	8.4	53 18.26	4.8131	.0955	62 12 32.2	14.581	.488	20.4	99 103	62 4345	
2785	9.0	53 25.40	5.0733	.1164	65 21 24.2	14.574	.514	21.1	100 168 177	65 2937	
2786	9.0	14 53 42.61	+5.1067	+.1190	−65 41 10.9	−14.557	+.518	21.1	101 167 178	65 2938	
2787	9.1	53 53.54	5.0621	.1150	65 11 14.4	14.546	.514	21.2	108 170 176	64 3060	
2788	9.5	54 17.87	5.1243	.1199	65 48 45.9	14.521	.521	21.1	107 171 175	65 2944	
2789[c]	9.0	54 22.32	4.8380	.0966	62 25 41.2	14.517	.492	21.5	173 174	62 4353	
2790	8.6	54 26.03	5.0349	.1123	64 49 53.3	14.513	.512	20.2	85 86	64 3064	
2791	6.7	14 54 45.24	+4.9894	+.1082	−64 16 35.8	−14.494	+.509	19.9	22 89	64 3066	
2792	9.0	54 45.44	4.9487	.1049	63 47 33.4	14.494	.505	19.6	20 27	63 3469	
2793	8.0	54 58.88	5.1120	.1183	65 36 58.9	14.480	.522	19.9	23 91	65 2948	
2794	7.6	55 22.66	4.9406	.1038	63 37 45.9	14.456	.505	21.0	77 164 168	63 3473	
2795	9.2	55 22.75	4.9670	.1059	63 56 55.1	14.456	.508	19.9	24 93	63 3472	
2796	8.9	14 55 50.16	+5.0765	+.1143	−65 9 4.9	−14.428	+.520	21.1	80 167 178	64 3071	
2797	8.7	55 50.69	5.0150	.1094	64 27 44.0	14.428	.514	20.2	81 90	64 3072	
2798	8.6	56 11.20	5.0358	.1108	64 39 56.1	14.407	.517	21.0	83 164 177	64 3073	
2799	8.6	56 32.20	4.9309	.1021	63 23 26.6	14.386	.507	21.1	96 168 178	63 3478	
2800	9.1	56 35.23	5.1322	.1184	65 40 23.1	14.383	.527	20.4	97 102	65 2951	

[a] *p* 22s ★ 10.0 0′2N y *p* 8s ★ 8.9 1′N. [b] *s* 3s 0′88. [c] *p* 8s 1′7N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2801 [a]	9.2	14h57m10s.72	+s.1697	+s.1210	−66° 0′ 5″.0	−14″.347	+″.532	20.4	99 103	65°2955	
2802	9.3	57 10.95	4.9789	.1053	63 54 20.9	14.346	.513	20.9	101 167	63 3482	
2803	8.4	57 11.25	5.1579	.1200	65 52 50.1	14.346	.531	20.4	100 105	65 2956	
2804	8.7	57 18.29	4.9551	.1033	63 36 29.1	14.339	.511	21.5	170 176 178	63 3483	
2805	9.0	57 40.91	5.0939	.1142	65 9 33.8	14.316	.526	21.5	171 175 177	64 3079	
2806	8.8	14 57 56.18	+5.1203	+.1161	−65 25 1.3	−14.300	+.529	20.2	85 86	65 2961	
2807 [b]	8.7	58 5.60	4.9052	.0988	62 54 32.5	14.291	.508	21.1	109 173 174	62 4373	
2808	9.1	58 24.24	5.1684	.1197	65 52 21.8	14.272	.535	19.6	20 27	65 2963	
2809	8.6	58 25.30	4.8834	.0969	62 35 43.1	14.271	.506	20.8	22 167 168	62 4376	
2810	6.1	58 30.80	4.9761	.1040	63 44 18.2	14.265	.516	19.9	23 91	63 3493	ζ Circini
2811	8.9	14 58 36.40	+5.0110	+.1066	−64 8 22.8	−14.259	+.519	19.9	24 93	63 3494	
2812	8.4	58 36.93	4.8762	.0962	62 28 56.8	14.259	.506	19.9	25 77	62 4377	
2813	7.6	58 41.28	4.9199	.0995	63 1 58.2	14.254	.510	21.0	80 164 177	62 4378	
2814	8.9	58 44.55	4.9529	.1020	63 26 8.2	14.251	.514	20.3	83 94	63 3497	
2815	8.7	58 45.51	4.9051	.0983	62 50 19.8	14.250	.509	20.2	81 90	62 4379	
2816	8.8	14 58 48.22	+5.1800	+.1202	−65 57 7.7	−14.247	+.537	20.3	95 96	65 2965	
2817	8.5	59 0.48	5.1455	.1172	65 34 43.2	14.234	.534	20.4	97 102	65 2967	
2818	9.0	59 1.24	5.0728	.1112	64 47 54.7	14.234	.527	20.4	99 103	64 3086	
2819	8.9	59 33.60	4.9320	.0997	63 5 43.2	14.200	.514	20.4	100 105	62 4383	
2820	8.4	59 42.28	5.1062	.1133	65 5 50.5	14.191	.532	20.4	101 106	64 3090	
2821	8.6	14 59 42.50	+4.9484	+.1008	−63 16 57.5	−14.191	+.516	21.2	108 170 176	63 3501	
2822	8.8	59 49.92	5.0369	.1076	64 19 2.8	14.184	.525	21.1	107 171 175	64 3092	
2823	8.4	59 55.53	4.9434	.1003	63 11 59.5	14.178	.515	20.2	85 86	63 3502	
2824	8.8	15 0 32.16	4.8839	.0953	62 23 5.2	14.140	.511	21.1	109 173 174	62 4387	
2825	8.9	0 35.57	4.8634	.0938	62 6 37.3	14.137	.509	19.6	20 27	61 4825	R
2826	9.0	15 0 41.80	+4.8667	+.0939	−62 8 36.3	−14.130	+.509	19.9	22 89	61 4827	
2827	9.1	1 4.59	4.9916	.1030	63 40 5.5	14.106	.523	21.0	91 167 168	63 3509	
2828	9.3	1 20.68	4.9535	.0999	63 10 52.7	14.090	.520	19.9	24 93	62 4391	
2829	7.0	1 28.48	4.9030	.0960	62 32 10.8	14.082	.515	21.0	80 163 178	62 4392	MZ 14786
2830	7.0	1 30.02	5.1118	.1121	64 59 11.5	14.080	.537	19.9	25 77	64 3095	
2831	8.6	15 1 31.05	+5.0056	+.1037	−63 47 25.7	−14.079	+.526	20.2	81 90	63 3512	
2832	7.5	1 54.41	5.2323	.1216	66 11 13.1	14.055	.550	20.3	83 94	65 2982	
2833	8.4	2 4.94	5.0591	.1074	64 21 3.4	14.044	.532	20.3	95 96	64 3100	
2834	8.1	2 12.82	5.2480	.1226	66 18 44.3	14.036	.552	20.4	97 102	66 2723	
2835	8.6	2 37.64	5.1488	.1140	65 16 26.2	14.010	.543	20.4	100 105	65 2987	
2836 [c]	8.8	15 2 40.54	+5.2389	+.1214	−66 10 51.5	−14.007	+.552	20.4	99 103	65 2986	
2837	8.4	2 56.90	4.9703	.0999	63 13 42.9	13.990	.525	20.4	101 106	63 3516	
2838	8.9	3 4.37	5.0722	.1075	64 24 10.3	13.982	.536	21.2	108 170 178	64 3102	
2839	6.5	3 9.00	4.9824	.1006	63 21 19.6	13.977	.527	21.1	107 171 175	63 3518	
2840	8.8	3 24.93	5.1506	.1134	65 13 10.7	13.960	.545	20.8	85 86 167 168	65 2993	
2841	9.0	15 4 35.82	+5.1231	+.1102	−64 49 4.7	−13.886	+.545	21.1	109 173 174	64 3108	
2842	8.6	4 36.60	4.9646	.0981	62 59 48.2	13.885	.528	19.6	20 21 27	62 4402	
2843 [d]	8.8	4 38.94	5.0611	.1053	64 7 43.7	13.883	.538	19.9	22 89	63 3522	
2844	8.5	5 29.06	5.1186	.1090	64 41 15.9	13.830	.546	19.9	9 23	64 3113	
2845	8.7	5 44.79	4.9741	.0979	63 0 11.9	13.813	.531	21.0	24 93 199	62 4407	
2846	8.1	15 5 55.08	+5.0831	+.1059	−64 15 27.1	−13.802	+.543	20.0	25 77 80	64 3115	
2847	8.8	5 58.72	5.0841	.1059	64 15 47.5	13.799	.544	21.0	104 167 168	64 3116	
2848	7.5	6 15.49	4.9575	.0963	62 44 59.9	13.781	.531	20.2	81 90	62 4411	
2849	8.9	6 36.49	4.9303	.0941	62 22 31.8	13.759	.529	20.3	95 96	62 4413	
2850	8.7	6 36.91	5.2245	.1163	65 41 12.9	13.758	.560	20.3	83 94	65 3001	

([a]) = α ★ 9.6 0′7S. ([b]) s 21ª ★ 9.9 0′9N. ([c]) s 14ª ★ 9.3 = δ. ([d]) s 17ª ★ 9.2 0′5S.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2851	8.9	15h 6m48s.55	+4s.9836	+s.0977	−63° 1′ 0″.9	−13″.747	+″.534	20.4	97 102	62°4415	
2852[a]	9.0	7 5.31	4.9829	.0975	62 58 54.1	13.729	.535	20.4	99 103	62 4416	
2853	8.6	7 14.83	5.0371	.1013	63 36 39.1	13.719	.541	20.4	100 105	63 3529	
2854	8.3	7 20.20	4.9587	.0955	62 39 40.5	13.713	.533	20.4	101 106	62 4420	
2855	8.2	8 14.19	5.0228	.0995	63 21 1.6	13.656	.542	21.1	107 171 175	63 3536	
2856	8.9	15 8 14.28	+5.1750	+.1109	−65 2 15.2	−13.656	+.558	21.2	108 170 178	64 3125	
2857	8.1	8 18.52	5.2587	.1174	65 52 37.6	13.651	.567	20.2	85 86	65 3007	
2858	8.5	8 25.50	4.9529	.0943	62 29 8.4	13.643	.535	19.6	20 21 27	62 4423	MZ 14821
2859	9.0	8 26.60	5.1128	.1059	64 21 15.2	13.642	.552	21.1	109 173 174	64 3126	
2860[b]	8.7	8 26.68	5.1107	.1058	64 19 51.6	13.642	.552	19.9	22 89	64 3127	
2861	9.1	15 8 56.08	+4.9211	+.0917	−62 2′ 3.3	−13.611	+.533	21.0	91 167 168	61 4865	
2862	8.7	8 57.11	5.0729	.1026	63 51 48.6	13.610	.549	19.9	24 93	63 3538	
2863	8.4	9 13.55	5.0042	.0973	63 2 16.1	13.592	.542	19.9	25 77	62 4425	
2864	8.8	9 21.22	5.1008	.1043	64 8 24.4	13.584	.553	20.3	80 104	63 3541	
2865	9.0	9 53.62	4.9332	.0918	62 5 49.2	13.549	.536	20.2	81 90	61 4872	
2866	7.7	15 10 8.51	+4.9341	+.0917	−62 5 7.9	−13.533	−.537	20.3	83 94 102	61 4875	
2867	9.0	10 22.38	5.1318	.1057	64 23 18.5	13.518	.558	20.3	95 96	64 3135	
2868[c]	8.0	10 25.57	5.0163	.0972	63 4 16.4	13.515	.546	21.0	97 167 168	62 4431	
2869	7.0	10 34.89	5.2724	.1163	65 48 55.6	13.505	.574	20.4	99 103	65 3013	
2870	6.3	11 17.64	5.0455	.0987	63 20 5.6	13.459	.551	20.4	100 105	63 3544	ε Circini
2871	8.5	15 11 31.03	+5.0283	+.0973	−63 6 47.1	−13.444	+.550	20.4	101 106	62 4436	
2872	8.7	11 33.76	5.3197	.1191	66 11 6.8	13.441	.581	21.2	108 170 178	65 3020	
2873	8.8	11 38.72	4.9914	.0946	62 39 31.5	13.436	.546	21.1	107 171 175	62 4438	
2874	8.7	11 49.76	5.2340	.1122	65 19 41.6	13.424	.572	20.2	85 86	65 3025	
2875	8.5	12 2.20	4.9408	.0914	62 6 24.3	13.411	.542	21.1	109 173 174	61 4885	
2876	8.9	15 12 43.38	+5.0872	+.1005	−63 41 6.0	−13.366	+.559	19.6	20 21 27	63 3553	
2877	9 0	12 48.47	5.0177	.0955	62 52 9.2	13.360	.551	19.9	22 89	62 4443	
2878	7.5	13 2.09	5.3367	.1190	66 13 20.6	13.346	.586	19.9	23 91	66 2753	R
2879	9.0	13 6.02	4.9907	.0934	62 30 59.3	13.341	.549	19.9	24 93	62 4445	
2880	9.1	13 18.29	5.3453	.1194	66 16 50.1	13.328	.588	19.9	25 77	66 2755	
2881[d]	8.5	15 14 5.65	+5.1435	+.1034	−64 11 19.2	−13.275	+.568	20.9	80 167 168	64 3143	
2882	8.8	14 38.52	4.9783	.0914	62 13 26.6	13.240	.551	20.3	83 94	62 4454	
2883	9.2	14 40.42	5.0189	.0941	62 42 58.9	13.238	.555	20.2	81 90	62 4453	
2884	8.9	14 41.85	4.9673	.0906	62 4 55.4	13.237	.550	20.3	95 96	61 4905	
2885[e]	8.6	15 36.23	5.1601	.1033	64 14 15.6	13.177	.573	20.4	97 102	64 3149	
2886	8.3	15 15 39.93	+5.3713	+.1190	−66 19 43.8	−13.173	+.596	21.0	99 167 168	66 2764	
2887	8.7	15 42.92	5.1477	.1023	64 5 38.9	13.170	.571	20.4	100 105	63 3563	
2888	7.5	15 49.54	5.3310	.1158	65 56 29.3	13.162	.592	20.4	101 106	65 3038	
2889	8.5	15 58.96	5.1283	.1007	63 51 32.0	13.152	.570	21.2	108 170 178	63 3565	
2890	8.9	16 8.07	5.0497	.0951	62 57 7.4	13.142	.562	21.1	107 171 175	62 4460	
2891	9.0	15 16 20.84	+4.9968	+.0914	−62 17 52.3	−13.128	+.556	20.2	85 86	62 4461	MZ 14834
2892[f]	9.0	16 37.37	5.0096	.0923	62 25 48.9	13.110	.558	21.1	109 173 174	62 4462	DC6
2893	8.9	16 53.99	5.1191	.0993	63 40 41.6	13.091	.571	19.6	20 21 27	63 3572	
2894	9.2	17 6.32	5.3672	.1173	66 10 35.0	13.078	.599	19.9	22 89	65 3042	
2895	9.0	17 23.27	5.0000	.0908	62 14 42.7	13.059	.559	19.9	24 93	62 4467	
2896	8.9	15 17 29.71	+5.3669	+.1169	−66 8 35.2	−13.052	+.600	19.9	23 91	65 3043	
2897	9.0	17 40.41	5.0556	.0943	62 53 9.7	13.040	.565	19.9	25 77	62 4468	
2898	8.9	17 52.43	5.0171	.0916	62 24 36.7	13.027	.562	20.2	81 90	62 4470	
2899	8.8	17 53.16	5.0461	.0935	62 45 23.7	13.026	.565	20.3	80 104	62 4469	
2900	8.7	18 3.28	5.3147	.1125	65 36 20.9	13.015	.595	20.3	83 94	65 3048	

(a) s 1s * 9.2 0′4N. (b) = α * 9.0 1′4S. (c) p 17s 1′S. (d) p 13s * 9.2 1′8S. (e) p 4s * 9.2 0′9N. (f) D t p.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec	Ep. 1900	Zonas	C. P. D.	Obser.
2901	8.8	15h 18m 15s.26	+s.0857	+s.0959	−63° 11′ 4″.8	−13″.001	+″.570	20.4	97 102	63°3581	
2902	8.9	18 15.34	5.1017	.0970	63 22 3.0	13.001	.572	20.7	95 96 167	63 3580	
2903[a]	8.9	18 49.30	5.2663	.1082	65 4 14.5	12.964	.591	21.0	103 167 168	64 3167	
2904	9.0	18 55.76	5.0183	.0909	62 19 59.9	12.956	.564	20.4	100 105	62 4473	
2905[b]	9.0	19 15.30	5.2924	.1097	65 17 36.9	12.935	.595	20.4	101 106	65 3053	
2906	8.9	15 19 28.68	+5.0760	+.0943	−62 58 9.3	−12.920	+.571	21.2	108 170 178	62 4475	
2907[c]	9.3	19 30.73	5.2735	.1081	65 5 10.7	12.918	.594	20.3	85 107	64 3173	D *h* 4761
2908[d]	8.9	19 30.76	5.2732	.1081	65 4 58.6	12.917	.594	20.8	86 168	64 3174	
2909	8.5	19 41.62	5.0945	.0954	63 9 45.9	12.905	.574	21.1	109 173 174	62 4477	
2910	8.9	19 42.28	5.0073	.0896	62 7 52.5	12.905	.564	19.6	20 21 27	61 4939	
2911	8.4	15 19 59.51	+5.1675	+.1002	−63 56 55.4	−12.885	+.583	19.9	22 89	63 3586	
2912	8.7	20 6.51	5.3412	.1125	65 41 46.2	12.878	.603	19.9	23 91	65 3057	
2913	9.2	20 25.54	5.0117	.0893	62 7 21.7	12.856	.566	19.9	24 93	61 4942	
2914	8.3	20 34.22	5.0442	.0913	62 30 8.9	12.847	.573	21.0	104 167 168	62 4481	
2915	8.7	20 34.76	5.1831	.1007	64 4 2.7	12.846	.586	19.9	25 77	63 3591	
2916	7.1	15 20 41.62	+5.3634	+.1136	−65 51 30.8	−12.838	+.606	20.2	81 90	65 3059	
2917	8.9	20 45.45	5.2984	.1088	65 13 55.8	12.834	.599	20.3	83 94	65 3060	
2918	6.7	20 59.98	5.2054	.1019	64 16 7.8	12.818	.589	20.4	95 96 101 106	64 3178	T Australis L 6338, 9 G
2919	8.9	21 22.48	5.2676	.1060	64 52 42.6	12.792	.597	20.4	97 102	64 3182	
2920	8.3	21 23.33	5.0718	.0925	62 45 28.5	12.792	.575	20.4	99 103	62 4482	
2921	8.8	15 21 52.54	+5.0241	+.0890	−62 8 58.9	−12.759	+.571	20.4	100 105	61 4954	
2922	9.0	22 21.97	5.2158	.1015	64 16 5.5	12.726	.593	20.4	101 106	64 3186	
2923	7.8	22 31.20	5.3540	.1112	65 37 46.2	12.715	.609	21.2	108 170 178	65 3069	
2924	8.7	22 35.01	5.2684	.1050	64 47 24.7	12.711	.600	21.1	107 171 175	64 3188	
2925	9.3	23 11.69	5.1209	.0944	63 10 14.4	12.669	.584	20.2	85 86	62 4515	
2926[e]	8.8	15 23 22.63	+5.0647	+.0934	−63 0 30.1	−12.657	+.583	21.1	109 173 174	62 4517	
2927	9.2	23 26.28	5.0499	.0895	62 19 37.9	12.653	.577	19.6	20 21 27	62 4523	
2928	9.0	23 36.68	5.3222	.1079	65 14 26.9	12.641	.608	21.6	170 177 178	65 3071	
2929	9.0	23 45.19	5.0792	.0912	62 38 46.6	12.632	.581	21.0	89 167 168	62 4530	
2930	9.1	23 49.27	5.4190	.1146	66 7 50.1	12.627	.619	19.9	23 91	65 3072	
2931	8.2	15 24 6.45	+5.3366	+.1084	−65 20 29.8	−12.607	+.610	19.9	24 93	65 3074	
2932[f]	9.2	24 12.91	5.0769	.0908	62 34 51.8	12.600	.581	19.9	25 77	62 4537	
2933	8.9	24 28.21	5.1230	.0935	63 5 25.4	12.583	.587	20.3	80 104	62 4544	
2934	7.8	24 30.68	5.3763	.1108	65 41 10.2	12.580	.616	20.2	81 90	65 3076	
2935	7.9	24 31.77	5.3340	.1078	65 17 1.2	12.579	.611	20.3	83 94	65 3077	
2936[g]	9.0	15 24 43.98	+5.1641	+.0960	−63 31 31.2	−12.565	+.592	20.3	95 96	63 3608	
2937[h]	9.0	25 19.99	5.1045	.0916	62 48 35.8	12.524	.587	20.4	97 102	62 4559	
2938[i]	9.0	26 1.67	5.4101	.1119	65 53 5.9	12.476	.623	20.4	99 103	65 3084	
2939[j]	9.0	26 2.47	5.0689	.0888	62 20 14.8	12.476	.584	20.4	100 105	62 4574	
2940	9.0	26 23.91	5.4358	.1133	66 5 25.6	12.451	.626	20.4	101 106	65 3085	
2941	9.4	15 26 38.22	+5.3326	+.1059	−65 6 35.5	−12.435	+.615	21.1	107 171 175	64 3202	
2942	9.0	26 29.39	5.2597	.1010	64 23 47.7	12.445	.606	21.2	108 170 178	64 3201	
2943	8.7	26 43.46	5 4195	.1119	65 55 10.3	12.429	.625	20.2	85 86	65 3088	
2944	9.0	27 26.84	5.2408	.0989	64 7 41.1	12.379	.606	21.5	173 174 177	63 3617	
2945	8.6	27 47.13	5.3410	.1054	65 6 18.8	12.356	.619	19.6	20 21 27	64 3204	
2946	8.2	15 27 52.53	+5.3155	+.1036	−64 51 1.7	−12.350	+.616	20.8	22 167 168	64 3205	
2947	9.4	28 20.95	5.1379	.0915	62 56 47.3	12.317	.596	21.1	91 168 177	62 4608	
2948	9.3	28 31.63	5.1177	.0901	62 42 13.6	12.305	.594	19.9	25 77	62 4612	
2949	8.4	28 34.19	5.4433	.1118	66 0 0.3	12.302	.632	21.8	24 93 199	65 3097	
2950	9.3	28 46.68	5.1514	.0920	63 3 49.9	12.287	.599	20.3	80 104	62 4615	

(a) *p* 4ª ★ 9.4 1′3N. (b) *p* 12ª 1′5S y *s* 8ª 1′5S. (c) = α ★ 8.9 0′2N. (d) = α ★ 9.3 0′2S. (e) *p* 26ª ★ 9.4 = δ.
(f) *p* 14ª ★ 9.4 1′S. (g) *s* 10ª 0′4S. (h) *s* 13ª ★ 9.4 0′2S. (i) *s* 2ª 1′S. (j) *s* 10ª 1′S.

N°	M.	α 1925.0	Prec.	Var. Sec	δ 1925 0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
2951	9.0	15h28m52s.82	+s.2995	+s.1016	−64°36′59″.6	−12″.280	+″.616	20.2	81 90	64°3208	
2952	8.6	29 11.22	5.1317	.0904	62 48 41.5	12.259	.597	20.3	83 94	62 4622	
2953	7.3	29 29.86	5.3292	.1031	64 51 48.9	12.237	.621	20.3	95 96	64 3213	D Innes 240
2954	8.6	29 30.11	5.1507	.0914	63 0 1.4	12.237	.600	20.4	97 102	62 4624	
2955[a]	7.1	29 31.99	5.3815	.1066	65 21 43.2	12.235	.627	20.4	99 103	65 3100	
2956	7.9	15 29 33.39	+5.4847	+.1138	−66 17 46.4	−12.233	+.639	20.4	100 105 107	66 2796	
2957	9.1	29 41.64	5.4618	.1120	66 5 5.0	12.224	.636	20.4	101 106	65 3101	
2958	9.0	29 47.81	5.4869	.1137	66 17 53.3	12.217	.640	20.4	100 105 107	66 2798	
2959	5.8	29 50.18	5.4609	.1118	66 4 0.2	12.214	.637	21.2	108 170 178	65 3102	D F. ε T Austr.
2960	9.1	29 58.28	5.1644	.0919	63 6 55.7	12.205	.603	20.2	85 86	62 4636	
2961[b]	9.0	15 30 6.88	+5.1323	+.0898	−62 44 44.7	−12.195	+.599	21.5	173 174 177	62 4642	
2962	9.3	30 15.39	5.0903	.0871	62 15 3.9	12.185	.595	19.6	20 21 27	62 4647	
2963	9.0	30 19.68	5.1588	.0913	63 1 30.7	12.180	.603	19.9	22 89	62 4648	
2964	8.6	30 23.86	5.0931	.0871	62 16 20.5	12.175	.595	19.9	23 91	62 4652	
2965	8.7	30 36.61	5.2814	.0989	64 18 17.0	12.160	.617	20.0	25 77 81	64 3219	
2966	8.8	15 30 38.05	+5.1397	+.0898	−62 47 18.5	−12.159	+.601	19.9	24 93	62 4658	
2967	9.0	30 38.81	5.1470	.0903	62 52 12.1	12.158	.602	20.1	26 80 104	62 4659	
2968	8.5	30 39.00	5.2795	.0988	64 16 58.0	12.158	.617	21.1	90 167 177	64 3220	D Innes 241
2969	8.6	30 53.60	5.3476	.1031	64 56 21.7	12.141	.626	20.3	83 94	64 3221	
2970	7.7	31 8.42	5.1120	.0878	62 26 0.6	12.123	.599	21.1	96 168 178	62 4665	
2971	8.8	15 31 36.69	+5.1453	+.0895	−62 46 32.8	−12.091	+.604	21.0	102 167 168	62 4676	
2972	8.3	32 3.56	5.2063	.0929	63 24 45.0	12.059	.612	20.4	99 103	63 3628	
2973	8.5	32 29.33	5.5042	.1122	66 15 39.1	12.029	.647	20.4	101 106	66 2806	
2974	9.0	32 32.73	5.1547	.0893	62 48 38.6	12.025	.606	20.4	100 105	62 4692	MZ 14896
2975	9.2	32 34.50	5.1050	.0863	62 14 28.4	12.023	.601	21.2	108 170 178	62 4694	
2976	8.8	15 32 37.26	+5.2142	+.0930	−63 27 19.9	−12.020	+.614	21.1	107 171 175	63 3631	
2977	8.8	33 4.52	5.1569	.0891	62 47 41.0	11.988	.608	20.2	85 86	62 4708	MZ 14900
2978	8.3	33 13.65	5.4159	.1055	65 25 2.9	11.978	.638	21.1	109 173 174	65 3116	
2979	8.8	33 43.89	5.3706	.1021	64 57 22.7	11.942	.634	19.9	22 89	64 3236	
2980	9.0	33 44.35	5.1922	.0907	63 8 3.1	11.942	.613	19.6	20 21 27	62 4715	
2981	7.8	15 33 53.41	+5.2362	+.0933	−63 35 39.2	−11.931	+.619	19.9	23 91	63 3636	
2982	9.3	33 58.02	5.1826	.0900	63 0 43.5	11.926	.612	19.9	24 93	62 4721	
2983	9.3	34 24.33	5.4399	.1061	65 33 21.3	11.895	.644	19.9	25 77	65 3117	
2984	7.1	34 25.39	5.1802	.0894	62 57 5.4	11.893	.613	20.1	26 80 104	62 4734	
2985	9.1	34 28.95	5.3067	.0973	64 16 35.5	11.889	.628	20.2	81 90	64 3240	
2986	8.6	15 34 36.93	+5.3300	+.0987	−64 29 57.5	−11.880	+.631	20.3	83 94	64 3242	
2987	7.4	34 40.49	5.3639	.1008	64 49 30.5	11.876	.635	20.3	95 96	64 3243	
2988	8.9	35 3.19	5.1761	.0887	62 51 33.6	11.849	.614	21.0	102 167 168	62 4746	
2989	8.6	35 11.83	5.2485	.0930	63 37 39.5	11.839	.623	20.4	99 103	63 3640	
2990	8.5	35 14.23	5.1155	.0849	62 9 32.7	11.836	.607	20.4	100 105	61 5157	
2991	8.6	15 35 19.99	+5.2912	+.0956	−64 3 30.7	−11.829	+.628	20.4	101 106	63 3642	
2992	7.4	35 22.99	5.2798	.0949	63 56 20.1	11.826	.627	21.2	108 170 178	63 3643	
2993	8.9	35 28.33	5.3032	.0962	64 10 11.4	11.820	.630	21.1	107 171 175	64 3245	
2994	9.0	35 37.00	5.3025	.0961	64 9 9.9	11.809	.630	20.2	85 86	63 3644	
2995[c]	8.6	35 41.66	5.4744	.1072	65 46 42.9	11.804	.650	21.1	109 173 174	65 3121	
2996	9.3	15 36 0.43	+5.1248	+.0849	−62 12 31.4	−11.782	+.610	19.6	20 27	62 4759	
2997	9.0	36 13.17	5.3133	.0963	64 13 8.5	11.767	.632	19.9	22 89	64 3247	
2998	8.6	36 19.25	5.2994	.0953	64 4 15.3	11.759	.631	19.9	23 91	63 3647	
2999	8.9	36 29.17	5.2844	.0942	63 54 25.9	11.748	.630	19.9	24 93	63 3649	
3000	8.3	36 51.72	5.5409	.1106	66 16 52.1	11.721	.661	20.1	26 80 104	66 2815	

(a) *s* 12s 0′2S. (b) *p* 1s ✱ 10.0 0′8S y *s* 18s ✱ 9.3 0′6N. (c) *p* 30s = *ô*.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3001	8.9	15h36m51ˢ.97	+ˢ.3412	+ˢ.0975	−64°26′58″.6	−1″.721	+″.637	19.9	25 77	64°3249	
3002	9.2	37 4.26	5.1687	.0867	62 37 39.2	11.706	.617	20.2	81 90	62 4779	
3003	8.4	37 19.03	5.4178	.1020	65 9 5.3	11.689	.647	20.3	83 94	64 3251	
3004	8.8	37 23.04	5.1778	.0870	62 42 23.2	11.684	.619	20.3	95 96	62 4783	
3005 [a]	8.9	38 11.14	5.1448	.0845	62 16 35.3	11.627	.616	21.0	102 167 168	62 4796	
3006	8.8	15 38 18.41	+5.1761	+.0862	−62 37 11.0	−11.618	+.620	20.4	99 103	62 4800	
3007	7.9	38 27.61	5.2090	.0881	62 58 16.0	11.607	.624	20.4	100 105	62 4804	
3008	9.1	38 29.99	5.1360	.0838	62 9 13.2	11.605	.616	20.4	101 106	61 5207	
3009	8.9	38 30.38	5.1737	.0860	62 34 43.7	11.604	.620	21.2	108 170 178	62 4805	
3010	8.9	38 33.23	5.2611	.0911	63 31 6.6	11.601	.631	20.2	85 86	63 3661	
3011	7.5	15 38 34.68	+5.4666	+.1040	−65 30 48.0	−11.599	+.655	21.1	107 171 175	65 3131	
3012	8.6	38 39.80	5.2033	.0876	62 53 39.7	11.593	.624	21.1	109 173 174	62 4811	
3013 [b]	8.7	38 42.40	5.2594	.0909	63 29 26.0	11.590	.631	19.6	20 21 27	63 3663	
3014	9.0	38 46.97	5.1944	.0868	62 47 17.9	11.584	.623	19.9	22 89	62 4817	
3015	8.6	38 51.86	5.4396	.1020	65 14 54.6	11.579	.652	21.0	23 91 199	65 3133	
3016 [c]	8.8	15 38 59.56	+5.1550	+.0845	−62 20 0.6	−11.569	+.619	19.9	24 93	62 4827	
3017	9.0	39 7.74	5.2931	.0926	63 48 34.3	11.560	.635	19.9	25 77	63 3665	
3018	8.6	39 34.01	5.1464	.0836	62 11 38.3	11.528	.619	20.2	81 90	62 4838	
3019	9.1	39 37.64	5.4133	.0996	64 57 8.0	11.524	.651	20.1	26 80 104	64 3260	
3020	8.6	39 55.51	5.2128	.0872	62 54 27.5	11.503	.628	20.3	83 94	62 4849	
3021	8.7	15 39 59.86	+5.1594	+.0840	−62 18 37.8	−11.497	+.621	20.3	95 96	62 4850	
3022	8.8	40 6.83	5.2356	.0884	63 8 22.6	11.489	.630	20.4	99 102	62 4853	
3023	9.0	40 12.58	5.2334	.0882	63 6 31.2	11.482	.631	21.0	103 167 168	62 4854	
3024 [d]	8.2	40 15.84	5.3371	.0944	64 10 25.8	11.478	.643	20.4	100 105	64 3264	
3025	9.3	40 19.77	5.4310	.1001	65 4 15.1	11.474	.654	20.4	101 106	64 3265	
3026	7.6	15 40 27.77	+5.1851	+.0852	−62 33 53.7	−11.464	+.625	21.2	108 170 178	62 4857	MZ 14927
3027	8.8	40 37.50	5.2828	.0908	63 35 55.7	11.453	.637	21.1	107 171 175	63 3675	
3028	8.9	40 48.03	5.3431	.0943	64 11 46.5	11.440	.645	20.2	85 86	64 3266	
3029	8.4	40 57.25	5.1470	.0826	62 6 5.4	11.429	.621	21.1	109 173 174	61 5253	
3030	8.8	40 59.67	5.2532	.0887	63 15 52.0	11.426	.634	19.6	20 21 27	63 3677	
3031 [e]	6.8	15 41 1.71	+5.4510	+.1008	−65 12 31.4	−11.424	+.658	19.9	22 89	65 3139	T Australis D L 6477, 13 G
3032	8.6	41 19.91	5.4611	.1012	65 16 51.9	11.402	.660	19.9	23 91	65 3141	
3033 [f]	9.0	42 6.30	5.3268	.0923	63 56 45.0	11.346	.645	19.9	24 93	63 3679	
3034	8.7	42 43.06	5.3400	.0924	64 2 9.3	11.302	.648	19.9	25 77	63 3682	
3035	9.2	42 50.18	5.5839	.1076	66 15 35.0	11.293	.678	20.1	26 80 104	66 2832	
3036 [g]	8.7	15 43 7.39	+5.2931	+.0894	−63 32 3.1	−11.273	+.643	21.0	90 167 168	63 3685	
3037	9.1	43 22.28	5.2859	.0888	63 26 34.9	11.255	.643	20.3	83 94	63 3690	
3038	8.9	43 46.96	5.3979	.0951	64 31 48.8	11.225	.657	20.3	95 96	64 3275	
3039	8.6	44 2.14	5.1834	.0825	62 17 40.5	11.206	.632	21.0	102 167 168	62 4926	
3040	8.8	44 16.39	5.2152	.0840	62 37 44.9	11.189	.636	20.4	99 103	62 4932	
3041	8.9	15 44 21.08	+5.5171	+.1019	−65 35 19.4	−11.184	+.673	20.4	100 105	65 3150	
3042	9.2	44 37.17	5.5463	.1035	65 49 36.7	11.164	.677	20.5	101 106 107	65 3151	
3043	8.3	44 44.56	5.3454	.0912	63 57 16.2	11.155	.652	21.2	108 170 178	63 3697	
3044	9.0	45 0.11	5.5487	.1033	65 49 25.4	11.136	.677	20.4	101 107	65 3153	
3045	9.0	45 26.78	5.5636	.1038	65 55 27.1	11.104	.680	20.2	85 86	65 3154	
3046 [h]	8.9	15 45 30.83	+5.1868	+.0816	−62 13 49.9	−11.099	+.635	21.1	109 173 174	62 4963	
3047	8.9	45 35.14	5.2587	.0855	63 0 29.1	11.094	.644	19.6	20 21 27	62 4964	
3048	8.9	45 50.72	5.2480	.0847	62 52 39.5	11.075	.643	19.9	22 89	62 4967	
3049	7.2	46 4.36	5.4559	.0966	64 55 39.7	11.058	.668	19.9	23 91	64 3286	T Austr. L 6507
3050 [i]	9.1	46 5.29	5.4407	.0957	64 47 9.1	11.057	.666	19.9	24 93	64 3288	

(a) *p* 12ˢ ★ 9.9 0′3S y *p* 14ˢ ★ 9.6 1′7N. (b) *p* 10ˢ 0′5S. (c) *p* 22ˢ ★ 9.2 0′1N y *p* 10ˢ ★ 9.6 0′3N.
(d) *p* 8ˢ ★ 9.2 1′4N. (e) D Rü 20. (f) *p* 9ˢ ★ 9.5 0′1N. (g) *p* 13ˢ ★ 9.9 2′N y *s* 1ˢ ★ 9.0 1′S.
(h) *s* 21ˢ ★ 9.5 0′2N. (i) *s* 6ˢ ★ 9.3 1′8N y *s* 15ˢ ★ 8.0 0′5N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3051	8.6	15h46m20s.26	+5s.2519	+s.0845	−62°53′ 8″.3	−11″.039	+″.644	19.9	25 77	62°4980	
3052 [a]	8.0	46 20.98	5.4417	.0955	64 46 39.8	11.038	.667	20.1	26 80 104	64 3291	
3053	7.2	46 50.01	5.2085	.0818	62 22 56.2	11.003	.640	20.2	81 90	62 4990	R
3054	8.9	46 55.25	5.3426	.0893	63 47 3.1	10.996	.656	20.3	83 94	63 3708	
3055	8.7	47 3.13	5.2625	.0846	62 57 3.3	10.987	.646	20.3	95 96	62 4992	
3056	8.5	15 47 10.77	+5.2844	+.0857	−63 10 20.7	−10.977	+.649	21.0	102 167 168	63 3713	
3057	9.0	47 23.86	5.4916	.0976	65 10 10.7	10.961	.675	20.4	99 103	65 3164	
3058	8.3	47 49.00	5.5521	.1009	65 40 45.7	10.931	.684	20.4	100 105	65 3165	
3059 [b]	9.2	48 9.77	5.2783	.0846	63 2 38.3	10.905	.650	20.4	101 106	62 5006	
3060	3.5	48 31.20	5.2955	.0853	63 12 1.9	10.879	.653	21.2	108 170 178	63 3723	F. 3 T Australis
3061	9.0	15 48 51.95	+5.3614	+.0888	−63 50 47.7	−10.854	+.662	21.1	107 171 175	63 3728	
3062	9.1	48 54.37	5.4460	.0936	64 39 26.5	10.851	.672	20.2	85 86	64 3303	
3063 [c]	8.8	49 11.88	5.5200	.0977	65 18 47.8	10.829	.682	21.1	109 173 174	65 3174	
3064 [d]	9.3	50 0.08	5.5244	.0972	65 18 14.4	10.770	.684	19.6	20 21 27	65 3175	
3065 [e]	9.1	50 7.04	5.3979	.0898	64 7 28.6	10.762	.669	19.9	22 89	63 3737	
3066	8.4	15 50 18.88	+5.2639	+.0822	−62 45 8.3	−10.747	+.653	19.9	23 91	62 5041	MZ 14968
3067 [f]	8.9	51 4.44	5.5573	.0982	65 31 41.7	10.691	.690	19.9	24 93	65 3179	D
3068	8.9	51 14.80	5.3693	.0873	63 46 26.3	10.678	.667	19.9	25 77	63 3742	
3069	8.2	51 53.63	5.5848	.0991	65 43 2.9	10.630	.695	20.1	26 80 104	65 3184	R
3070	6.3	52 4.28	5.4847	.0931	64 49 18.4	10.617	.683	20.2	81 90	64 3320	L 6559, 20 G T A
3071	8.9	15 52 37.44	+5.2877	+.0818	−62 51 23.5	−10.576	+.660	20.3	83 94	62 5069	
3072	8.0	52 57.05	5.4707	.0916	64 38 22.9	10.551	.683	21.0	102 167 168	64 3326	R
3073	7.9	52 58.84	5.2656	.0803	62 36 0.8	10.549	.658	20.4	99 103	62 5073	
3074	9.0	53 8.89	5.2497	.0793	62 25 7.3	10.537	.656	20.4	101 106	62 5075	
3075	8.9	53 12.13	5.4241	.0887	64 11 14.2	10.533	.677	21.2	108 170 178	64 3330	
3076	8.9	15 53 14.43	+5.2568	+.0797	−62 29 19.9	−10.530	+.657	21.1	107 171 175	62 5077	
3077	8.8	53 20.94	5.4646	.0909	64 33 35.2	10.522	.683	20.2	85 86	64 3332	
3078	9.0	53 26.90	5.2860	.0810	62 47 10.2	10.515	.661	20.2	81 90	62 5080	
3079 [g]	9.0	53 52.94	5.2259	.0776	62 6 43.4	10.482	.654	21.1	109 173 174	61 5454	
3080 [h]	9.0	53 53.06	5.3298	.0831	63 12 49.3	10.482	.667	19.6	20 22 27	63 3763	
3081	8.9	15 53 55.11	+5.5946	+.0978	−65 40 59.7	−10.479	+.700	20.3	95 96	65 3193	
3082 [i]	9.0	54 3.94	5.5678	.0961	65 26 38.1	10.468	.696	20.4	100 105	65 3194	
3083	7.4	54 25 71	5.3679	.0847	63 33 51.4	10.441	.673	19.9	22 89	63 3765	
3084	8.6	54 46.36	5.2300	.0772	62 6 3.2	10.416	.656	19.9	24 93	61 5463	
3085	8.8	54 54.80	5.5816	.0962	65 30 54.1	10.405	.700	19.9	25 77	65 3198	
3086	8.9	15 55 3.16	+5.2989	+.0805	−62 49 19.9	−10.395	+.665	19.9	23 91	62 5104	
3087	7.6	55 3.50	5.4360	.0879	64 11 19.3	10.394	.682	20.1	26 80 104	64 3346	
3088	8.7	55 12.00	5.3728	.0843	63 34 0.4	10.384	.674	20.3	81 89 90	63 3772	
3089	9.0	55 21.32	5.4220	.0868	64 2 15.4	10.372	.681	20.3	83 94 ·	63 3773	
3090 [j]	8.8	55 21.78	5.4482	.0883	64 17 11.4	10.372	.684	21.0	86 167 168	64 3347	
3091	8.9	15 55 28.28	+5.6630	+.1004	−66 10 0.0	−10.363	+.711	20.3	95 96	66 2873	MZ 31127
3092	8.5	55 42.38	5.2892	.0796	62 40 48.9	10.346	.665	21.0	102 177	62 5109	
3093	8.2	55 51.26	5.2742	.0787	62 30 44.2	10.335	.663	20.4	99 103	62 5113	
3094	8.1	55 53.75	5.3885	.0846	63 40 48.3	10.332	.678	20.4	100 105	63 3776	
3095	8.9	56 6.24	5.5815	.0951	65 26 45.4	10.316	.702	20.4	101 106	65 3204	
3096	7.5	15 56 11.10	+5.3151	+.0805	−62 55 16.9	−10.310	+.669	21.2	108 170 178	62 5120	
3097	6.7	56 16.05	5.2597	.0776	62 19 54.1	10.304	.662	21.1	107 171 175	62 5122	
3098	8.2	56 38.85	5.3407	.0816	63 9 23.6	10.275	.673	21.1	109 173 174	63 3778	
3099	8.3	56 50.65	5.4543	.0874	64 15 23.8	10.261	.688	19.7	20 21 27 85	64 3353	
3100	9.1	56 59.57	5.3891	.0838	63 37 13.4	10.249	.680	19.9	22 89	63 3780	

([a]) *p* 15ª ★ 9.1 0′5S y *p* 9ª ★ 9.3 1′4N. ([b]) *p* 6ª ★ 9.5 1′S y *s* 3ª ★ 9.2 0′7N. ([c]) *p* 15ª 0′1S.
([d]) *p* 15ª ★ 9.5 0′4N. ([e]) *p* 21ª ★ 9.5 0′6S. ([f]) D *t* N. ([g]) *s* 6ª ★ 9.2 0′4S. ([h]) *p* 5ª ★ 9.0 1′5N.
([i]) *s* 5ª 2′N y *s* 24ª ★ 9.2 0′7N. ([j]) = α 0′1N y = α ★ 9.5 0′6N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3101	8.8	15h57 11s06	+s2793	+s0779	−62°29′ 7″3	−10″235	+″666	20.4	23 91 167	62°5141	
3102	9.0	57 28.66	5.5762	.0935	65 19 22.1	10.213	.704	19.9	24 93	65 3210	
3103	8.9	57 35.64	5.3077	.0791	62 45 33.4	10.204	.670	19.9	25 77	62 5147	
3104	9.0	57 42.26	5.6864	.0996	66 14 2.4	10.196	.718	20.1	26 80 104	66 2883	
3105[a]	8.9	57 48.93	5.5002	.0891	64 37 35.3	10.187	.695	20.2	81 90	64 3362	
3106	8.0	15 57 51.99	+5.6172	+.0955	−65 39 8.6	−10.184	+.710	20.3	83 94	65 3212	
3107	8.9	57 59.27	5.3777	.0824	63 26 56.1	10.174	.680	20 3	95 96	63 3787	
3108[b]	8.9	58 20.12	5.3022	.0783	62 39 27.2	10.148	.671	21.2	102 167 168 177(1)	62 5160	
3109	8.5	58 31.72	5.3706	.0816	63 20 48.4	10.134	.680	20.4	100 105	63 3791	
3110	8.8	58 35.55	5.5479	.0910	65 0 42.2	10.128	.702	20.4	99 103	64 3369	
3111	9.1	15 58 45.72	+5.5840	+.0928	−65 19 7.6	−10.116	+.707	20.4	101 106	65 3218	
3112	8.5	58 56.16	5.2910	.0772	62 30 14.1	10.103	.671	21.2	108 170 178	62 5172	MZ 15001
3113	8.7	59 15.74	5.2666	.0758	62 13 23.5	10.078	.668	21.1	107 171 175	62 5177	
3114	8.8	59 17.63	5.2490	.0749	62 1 50.3	10.076	.666	20.2	85 86	61 5535	
3115	7.5	59.43.65	5.3568	.0800	63 8 12.7	10.043	.680	21.1	109 173 174	62 5179	
3116	9.0	15 59 46.93	+5.3352	+.0788	−62 54 48.9	−10.039	+.678	19.6	21 27	62 5180	
3117	7.8	59 51.36	5.4837	.0865	64 21 28.7	10.033	.696	21.1	89 168 177	64 3377	
3118	9.0	59 53.68	5.2909	.0766	62 26 42.9	10.030	.673	20.8	23 168 177	62 5181	
3119[c]	9.1	16 0 10.06	5.3307	.0784	62 50 43.7	10.010	.678	19.9	24 93	62 5183	
3120	8.6	0 15.11	5.6762	.0966	66 0 48.0	10.003	.722	19.9	25 77	65 3222	
3121	7.5	16 0 21.76	+5.3043	+.0768	−62 33 34.5	− 9.995	+.675	20.1	26 80 104	62 5184	
3122	8.2	0 37.70	5.3201	.0774	62 42 29.9	9.975	.677	19.6	23 28	62 5187	
3123	9.0	0 44.73	5.6263	.0934	65 34 18.3	9.966	.716	19.6	24 29	65 3224	
3124	9.0	1 0.13	5.2639	.0744	62 5 28.9	9.946	.671	23.6	199 200 201 202	61 5548	
3125	9.3	1 0.43	5.6751	.0959	65 57 50.5	9.946	.723	19.6	25 27	65 3225	
3126	9.1	16 1 30.06	+5.3136	+.0764	−62 35 24.3	− 9.908	+.678	21.2	105 175 181	62 5192	
3127	8.8	1 31.82	5.5262	.0873	64 39 15.7	9.906	.705	20.5	102 112	64 3385	
3128[d]	8.9	1 48.30	5.5785	.0898	65 6 14.1	9.885	.712	20.5	108 110	64 3386	D
3129	7.1	1 50.73	5.3339	.0772	62 46 52.5	9.882	.681	21.1	109 173 174	62 5193	
3130	8.9	2 4.63	5.3113	.0759	62 31 58.8	9.865	.678	21.4	167 170	62 5195	
3131[e]	8.6	16 2 9.20	+5.4292	+.0818	−63 42 49.0	− 9.859	+.694	21.4	168 171	63 3810	
3132	8.6	2 13.18	5.3682	.0786	63 6 29.9	9.854	.686	21.6	177 178	62 5196	
3133	9.0	2 24.98	5.5661	.0887	64 57 45.4	9.839	.711	23.1	179 199 201 202	64 3389	
3134	9.0	2 25.44	5.3589	.0780	63 0 10.5	9.838	.685	19.6	21 23	62 5198	
3135	8.8	2 50.65	5.6865	.0947	65 57 37.5	9.806	.727	19.6	24 29	65 3230	
3136	9.0	16 2 57.72	+5.3246	+.0759	−62 37 13.3	− 9.797	+.682	19.6	25 27	62 5201	
3137	9.0	3 1.48	5.6572	.0930	65 42 35.1	9.792	.724	22.5	26 199 201 202	65 3231	
3138	9.0	3 5.14	5.6125	.0905	65 19 45.9	9.788	.718	20.5	102 112	65 3233	
3139	8.6	3 13.26	5.3908	.0780	63 16 40.0	9.777	.690	21.2	107 175 181	63 3820	DC5
3140	7.1	3 16.55	5.3406	.0764	62 46 3.7	9.773	.684	20.5	108 110	62 5202	
3141	8.8	16 3 28.53	+5.2797	+.0734	−62 7 0.0	− 9.758	+.677	21.4	167 170	61 5573	
3142	8.7	3 39.73	5.7163	.0956	66 9 33.3	9.744	.733	21.4	168 171	66 2904	
3143	7.6	3 44.57	5.3390	.0760	62 43 31.4	9.738	.685	20.9	24 177 178	62 5207	
3144	8.7	3 50.98	5.4749	.0827	64 3 19.0	9.729	.702	22.8	179 199 201	63 3822	
3145	8.8	3 57.16	5.4985	.0838	64 16 10.4	9.721	.705	19.6	21 23 28	64 3394	
3146	8.9	16 4 7.72	+5.3432	+.0760	−62 44 46.7	− 9.708	+.686	21.6	29 202	62 5211	
3147[f]	9.0	4 25.76	5.6013	.0888	65 9 42.8	9.685	.719	21.5	173 174	65 3239	
3148	8.4	4 26.30	5.4689	.0819	63 57 59.6	9.684	.702	19.6	25 27	63 3827	
3149	9.0	4 38.17	5.4245	.0796	63 31 48.5	9.669	.697	21.6	26 201	63 3829	
3150[g]	9.0	4 49.61	5.5123	.0838	64 20 57.8	9.655	.709	20.5	102 112	64 3402	

(a) *s* 8ᵉ ★ 9.3 0′1S. (b) *s* 13ᵉ ★ 9.6 0′9N. (c) *s* 5ᵉ ★ 9.8 0′3S. (d) D *l s*. (e) *s* 10ᵉ ★ 9.7 1′2S.
(f) *p* 9ᵉ ★ 9.2 0′3N. (g) *s* 2ᵉ ★ 9.2 2′N. (1) 178.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3151	9.2	16h 4m59s.92	+5s.4600	+s.0810	−63°51′ 7″.2	− 9″.641	+″.702	20.5	108 110	63°3833	
3152	9.0	5 0.61	5.2749	.0936	65 58 38.2	9.641	.733	21.2	107 175 181	61 5584	
3153	8.9	5 2.32	5.3354	.0749	62 36 53.4	9.638	.686	21.0	109 174	62 5217	
3154a	8.6	5 11.75	5.5238	.0841	64 26 3.7	9.626	.711	21.4	167 170	64 3406	
3155	8.8	5 17.02	5.6073	.0883	65 10 8.4	9.620	.721	21.6	177 178	65 3241	T Austr. B 5600
3156	9.0	16 5 19.63	+5.3767	+.0767	−63 1 13.3	− 9.616	+.692	22.4	168 171 199 202	62 5218	
3157	9.0	6 5.67	5.5203	.0831	64 21 15.9	9.557	.711	22.6	179 201	64 3411	
3158	7.9	6 27.82	5.5712	.0854	64 47 33.7	9.548	.718	19.6	21 23 28	64 3412	
3159	9.4	6 30.50	5.6985	.0920	65 52 12.8	9.525	.735	19.6	25 27	65 3247	
3160	8.9	6 31.06	5.4943	.0815	64 5 34.4	9.525	.709	19.6	24 29	63 3843	
3161	8.8	16 6 57.84	+5.7110	+.0923	−65 56 56.5	− 9.490	+.738	22.1	26 199 201	65 3250	
3162b	9.0	7 10.13	5.3664	.0748	62 48 54.9	9.474	.694	21.2	107 175 181	62 5225	
3163	8.1	7 10.56	5.3715	.0750	62 51 57.3	9.474	.694	20.5	102 112	62 5224	
3164	8.3	7 15.73	5.4806	.0802	63 55 30.0	9.467	.709	20.5	108 110	63 3846	
3165	9.2	7 30.86	5.7132	.0918	65 56 21.2	9.448	.739	21.1	109 173 174	65 3253	
3166c	8.1	16 7 44.54	+5.3464	+.0734	−62 34 46.0	− 9.430	+.692	22.7	167 199 201	62 5229	
3167	8.7	8 5.11	5.5942	.0852	64 54 39.9	9.404	.725	22.1	168 171 202	64 3416	
3168	8.9	8 5.82	5.3400	.0729	62 29 35.9	9.403	.692	21.6	177 178	62 5232	
3169	9.0	8 30.34	5.2961	.0706	62 0 33.6	9.371	.687	23.0	179 199 200 202	61 5608	
3170	4.7	8 35.85	5.4429	.0774	63 29 44.7	9.364	.706	19.6	21 23 28	63 3854	D F. δ T Austr.
3171	9.0	16 8 51.00	+5.7339	+.0916	−66 2 21.6	− 9.345	+.744	19.6	24 29	65 3257	
3172	8.9	9 18.76	5.5080	.0799	64 4 26.0	9.309	.716	19.6	25 27	63 3858	
3173	8.8	9 41.18	5.4401	.0764	63 24 39.2	9.280	.707	22.5	26 199 200 201	63 3862	
3174	8.3	9 44.05	5.4999	.0792	63 58 35.4	9.276	.715	20.5	102 112	63 3863	
3175	8.9	9 55.18	5.6288	.0844	65 7 4.4	9.262	.732	21.2	107 175 181	64 3426	
3176	9.4	16 9 55.47	+5.3288	+.0711	−62 16 41.6	− 9.261	+.693	20.5	108 110	62 5249	
3177d	8.8	10 7.00	5.7557	.0916	66 9 4.8	9.247	.749	21.1	109 173 174	66 2920	
3178	8.8	10 16.69	5.4446	.0761	63 25 25.7	9.234	.709	21.4	167 170	63 3866	
3179e	8.9	10 34.04	5.5206	.0795	64 7 30.3	9.212	.719	22.8	168 171 199 200(1)	63 3867	
3180	8.6	10 43.90	5.5300	.0798	64 12 12.0	9.199	.720	21.6	177 178	64 3431	
3181	9.0	16 11 6.97	+5.5985	+.0828	−64 47 47.1	− 9.169	+.730	21.6	179 180	64 3432	
3182	8.9	11 25.12	5.4231	.0743	63 9 19.6	9.145	.708	19.6	24 29	63 3874	
3183	9.0	11 27.13	5.5868	.0820	64 40 36.7	9.143	.729	19.6	21 23 28	64 3435	
3184	8.5	11 45.37	5.3409	.0703	62 18 26.1	9.119	.698	19.6	26 32	62 5267	
3185	8.5	11 45.42	5.3956	.0728	62 51 57.0	9.110	.705	19.6	25 27	62 5266	
3186f	7.9	16 12 17.64	+5.5590	+.0799	−64 23 16.5	− 9.077	+.727	20.5	102 112	64 3438	D
3187	8.3	12 32.34	5.3417	.0697	62 16 30.2	9.058	.699	20.5	108 110	62 5275	
3188	8.8	12 33.48	5.3589	.0705	62 27 5.3	9.056	.701	21.2	107 175 181	62 5274	
3189	8.9	12 51.89	5.4279	.0734	63 7 42.1	9.033	.711	21.1	109 173 174	63 3881	
3190	8.6	12 56.38	5.4998	.0766	63 48 46.4	9.027	.720	21.4	167 170	63 3882	
3191	6.9	16 13 0.46	+5.5717	+.0799	−64 27 58.0	− 9.021	+.730	22.8	168 171 199 200(2)	64 3442	D Innes 15
3192	8.9	13 2.64	5.5693	.0798	64 26 34.9	9.019	.729	21.6	177 178	64 3444	
3193	8.9	13 8.63	5.3838	.0712	62 40 29.4	9.011	.705	19.6	21 23 28	62 5277	
3194	8.6	13 10.25	5.4951	.0762	63 45 29.3	9.009	.720	21.6	179 180	63 3884	
3195	8.2	13 14.22	5.5562	.0790	64 18 58.2	9.004	.728	19.6	25 27	64 3446	
3196	8.4	16 13 14.71	+5.6972	+.0858	−65 31 48.6	− 9.003	+.746	19.6	24 29	65 3277	
3197	8.7	13 18.64	5.5980	.0809	64 41 2.4	8.998	.734	19.6	26 32	64 3447	
3198	9.2	13 19.77	5.5446	.0784	64 12 23.2	8.996	.727	20.5	102 112	64 3449	
3199	8.8	13 46.81	5.5666	.0790	64 22 58.0	8.961	.730	21.2	107 175 181	64 3450	
3200	8.6	13 58.63	5.4344	.0728	63 8 8.9	8.946	.713	20.5	108 110	63 3886	

(a) *p* 15 = ĉ. (b) *s* 16s ★ 9.1 0′4N. (c) *p* 7s ★ 9.4 = ĉ. (d) *s* 21s ★ 9.7 0′2N.

(e) *p* 8s 1′S y *s* 12s ★ 10.0 = ĉ. (f) D *t s*. (1) 201, 202. (2) 201, 202.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3201	8.7	16h14m 5ˢ.93	+ˢ.3685	+ˢ.0697	−62°28′15″.6	− 8″.936	+″.705	22.8	168 171 199 200(1)	62°5286	
3202	9.0	14 8.11	5.7759	.0888	66 7 16.4	8.933	.758	21.1	109 173 174	65 3283	
3203	9.0	14 8.27	5.7210	.0861	65 40 59.2	8.933	.751	21.4	167 170	65 3284	
3204	8.3	14 11.15	5.4773	.0745	63 32 19.5	8.929	.719	21.6	177 178	63 3888	
3205	9.0	14 42.83	5.3946	.0705	62 42 14.9	8.888	.709	21.6	179 180	62 5288	
3206	8.5	16 14 44.63	+5.3665	+.0692	−62 25 3.9	− 8.886	+.705	19.6	21 23 28	62 5289	MZ 15070
3207	8.4	15 8.66	5.4664	.0733	63 23 17.1	8.854	.719	19.6	24 29	63 3893	
3208	8.7	15 13.76	5.5289	.0761	63 58 13.0	8.847	.727	19.6	25 27	63 3894	
3209	9.0	15 20.58	5.4082	.0706	62 48 31.6	8.838	.712	19.6	26 32	62 5294	
3210	8.8	15 21.95	5.5517	.0770	64 10 17.8	8.837	.730	20.5	102 112	64 3459	
3211	8.8	16 15 42.54	+5.7459	+.0859	−65 48 40.6	− 8.810	+.757	21.2	107 175 181	65 3290	MZ 31176
3212	8.6	15 46.27	5.4588	.0725	63 17 2.2	8.805	.719	20.5	108 110	63 3903	
3213[a]	8.0	16 1.98	5.3704	.0684	62 23 31.1	8.784	.708	21.1	109 173 174	62 5299	
3214[b]	9.5	16 10.47	5.3687	.0683	62 22 4.9	8.773	.708	22.9	167 199 200 201	62 5300	
3215	8.8	16 31.37	5.6183	.0791	64 42 29.1	8.746	.741	22.7	168 171 200 201(2)	64 3469	
3216	8.8	16 16 38.38	+5.7747	+.0864	−65 59 51.6	− 8.737	+.762	21.6	177 178	65 3293	
3217	8.6	16 40.87	5.4302	.0705	62 57 38.9	8.733	.717	21.6	179 180	62 5305	
3218	8.5	17 17.43	5.4133	.0694	62 45 48.6	8.685	.715	19.6	21 23 28	62 5308	
3219	8.9	17 18.28	5.4292	.0700	62 55 12.5	8.684	.717	19.6	24 29	62 5309	
3220	8.9	17 23.28	5.5311	.0744	63 53 12.0	8.678	.731	19.6	25 27	63 3908	
3221	8.5	16 17 24.73	+5.7228	+.0833	−65 32 48.7	− 8.676	+.756	20.5	102 112	65 3295	
3222	9.0	17 25.21	5.3384	.0661	61 59 30.8	8.675	.706	19.6	26 32	61 5660	
3223	9.0	17 44.35	5.5162	.0735	63 43 54.5	8.650	.729	21.6	175 181	63 3909	
3224	9.0	17 49.32	5.3379	.0658	61 57 59.7	8.643	.706	20.5	108 110	61 5661	
3225	8.9	17 55.87	5.6442	.0791	64 51 59.9	8.635	.746	21.1	109 173 174	64 3476	
3226	8.6	16 18 4.31	+5.6441	+.0790	−64 51 33.8	− 8.624	+.746	21.4	167 170	64 3477	
3227[e]	8.9	18 19.83	5.3719	.0668	62 17 36.6	8.603	.711	22.6	168 171 199 200(3)	62 5323	
3228	8.6	18 28.99	5.3479	.0657	62 2 18.2	8.591	.708	21.6	177 178	61 5666	
3229	6.6	18 32.42	5.4385	.0695	62 57 8.4	8.587	.720	21.6	179 180	62 5325	
3230	9.0	18 45.00	5.5237	.0730	63 45 15.3	8.570	.732	19.6	23 28	63 3913	
3231	8.5	16 18 48.07	+5.6041	+.0766	−64 28 43.2	− 8.566	+.742	22.2	24 200 201	64 3479	
3232	9.0	18 53.27	5.3781	.0667	62 19 47.8	8.559	.713	20.9	25 27 202	62 5327	
3233	9.0	18 58.39	5.5870	.0757	64 19 8.7	8.552	.740	19.6	26 32	64 3480	
3234	8.7	19 13.31	5.3718	.0662	62 14 57.9	8.533	.712	21.2	107 175 181	62 5331	
3235	9.0	19 15.15	5.4054	.0676	62 35 21.2	8.530	.717	20.5	102 112	62 5330	
3236	9.0	16 19 36.14	+5.4782	+.0704	−63 17 10.9	− 8.503	+.727	20.5	108 110	63 3916	
3237[d]	8.8	19 43.27	5.5020	.0713	63 30 22.9	8.493	.730	21.1	109 173 174	63 3917	
3238[e]	8.8	19 45.75	5.5034	.0714	63 31 3.4	8.490	.730	21.4	167 170	63 3918	
3239	9.0	19 52.65	5.7460	.0821	65 37 31.2	8.481	.763	22.6	168 171 199 200(4)	65 3302	
3240	8.5	20 0.27	5.4624	.0695	63 6 53.1	8.471	.726	22.2	177 178 202	62 5333	
3241	8.8	16 20 10.68	+5.8165	+.0851	−66 10 3.5	− 8.457	+.773	21.6	179 180	66 2954	
3242	9.0	20 33.48	5.8226	.0851	66 11 53.9	8.427	.774	19.6	24 29	66 2956	
3243	8.6	20 34.62	5.7435	.0813	65 34 28.6	8.425	.763	19.6	21 23 28	65 3304	
3244	8.6	20 47.93	5.6161	.0754	64 29 34.3	8.408	.747	19.6	25 27	64 3488	
3245	6.3	20 58.27	5.5495	.0724	63 53 22.0	8.394	.738	19.6	26 32	63 3923	D : T Aust. Δ 201
3246	8.3	16 21 11.02	+5.3987	+.0659	−62 25 46.5	− 8.377	+.719	20.5	102 112	62 5338	
3247	8.9	21 16.20	5.4771	.0691	63 11 52.8	8.370	.729	21.6	175 181	63 3925	
3248	8.8	21 21.41	5.5417	.0718	63 48 2.2	8.363	.738	20.5	108 110	63 3927	
3249	9.1	21 29.31	5.4241	.0667	62 40 10.7	8.353	.722	21.1	109 173 174	62 5340	
3250	8.6	21 47.40	5.3752	.0645	62 9 42.3	8.329	.716	21.4	168 171	62 5343	

(a) *s* 8ᵐ ★ 9.5 1′4N. (b) D *t s*, *p* 8ᵐ ★ 8.0 1′4S. (c) *s* 15ᵐ 0′2S. (d) *s* 2ᵐ ★ 8.8 0′7S *y s* 8ᵐ 0′6S.
(e) *p* 2ᵐ ★ 8.8 0′7N. (1) 201, 202. (2) 202. (3) 201. (4) 201.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3251	8.5	16h21m50s.04	+s.4569	+s.0678	−62°58′33″.8	− 8″.325	+″.727	21.4	167 170	62°5342	
3252	8.7	22 1.05	5.4046	.0655	62 26 58.8	8.311	.721	19.6	21 23 28	62 5344	
3253	8.6	22 1.32	5.6675	.0767	64 52 53.9	8.311	.756	21.6	177 178	64 3491	
3254	9.3	22 2.97	5.6428	.0755	64 40 9.5	8.308	.752	21.6	179 180	64 3493	
3255[a]	9.0	22 8.48	5.4783	.0685	63 10 7.2	8.301	.731	19.6	24 29 30	63 3933	
3256[b]	9.2	16 22 30.31	+5.5016	+.0692	−63 22 26.2	− 8.272	+.734	19.6	25 27	63 3934	D
3257	8.1	22 35.22	5.4356	.0664	62 43 57.5	8.266	.726	19.6	26 32	62 5350	MZ 15109
3258[c]	8.3	22 50.38	5.7948	.0816	65 53 7.7	8.245	.774	20.5	102 112	65 3311	D*h* 4849
3259	8.4	23 5.78	5.3695	.0633	62 2 29.5	8.225	.718	21.6	175 181	61 5698	
3260	9.0	23 16.73	5.5609	.0710	63 53 23.2	8.210	.743	20.5	108 110	63 3938	
3261	8.7	16 23 25.24	+5.7813	+.0805	−65 45 18.1	− 8.199	+.773	21.1	109 173 174	65 3313	
3262	9.0	23 45.94	5.7437	.0785	65 26 20.5	8.171	.768	21.4	167 170	65 3316	
3263	9.0	24 1.29	5.6708	.0751	64 49 23.3	8.151	.759	21.4	168 171	64 3502	
3264	8.7	24 12.66	5.5393	.0694	63 39 1.0	8.136	.742	21.6	179 180	63 3947	
3265[d]	8.4	24 14.97	5.6995	.0761	65 3 17.2	8.133	.763	21.6	177 178	64 3503	MZ 30045
3266	8.6	16 24 15.03	+5.3717	+.0626	−62 0 37.5	− 8.133	+.719	19.6	21 23 28	61 5702	
3267	6.8	24 41.34	5.6148	.0722	64 18 37.4	8.098	.752	19.6	24 29 30	64 3507	
3268[e]	9.0	24 45.83	5.3881	.0629	62 9 23.2	8.092	.722	19.6	25 27	62 5360	D
3269	9.3	24 51.76	5.5507	.0693	63 43 35.5	8.084	.744	19.6	26 32	63 3951	
3270	9.0	25 4.26	5.7832	.0791	65 42 5.2	8.067	.775	20.5	102 112	65 3318	
3271	7.3	16 25 5.54	+5.3868	+.0626	−62 7 40.6	− 8.065	+.723	21.2	107 175 181	62 5362	D Lac. 6831
3272	9.5	25 52.45	5.7979	.0790	65 47 4.8	8.003	.778	20.5	108 110	65 3319	
3273	9.3	26 8.24	5.7294	.0758	65 13 23.3	7.982	.770	21.1	109 173 174	65 3320	
3274	7.9	26 12.58	5.5518	.0683	63 40 40.3	7.976	.746	21.4	167 170	63 3955	
3275	9.0	26 28.16	5.8563	.0810	66 12 41.8	7.955	.787	21.4	168 171	66 2975	
3276	8.9	16 26 35.33	+5.4646	+.0645	−62 50 12.8	− 7.945	+.735	21.6	177 178	62 5372	
3277	9.0	26 40.32	5.4324	.0632	62 31 1.6	7.939	.731	21.6	179 180	62 5373	
3278	7.9	26 49.65	5.3782	.0611	61 57 42.1	7.926	.724	19.6	21 23 28	61 5720	
3279	8.8	26 52.51	5.3923	.0616	62 6 14.9	7.922	.725	19.6	24 29 30	61 5721	
3280	8.2	27 19.54	5.6926	.0732	64 52 7.4	7.886	.767	19.6	25 27	64 3515	
3281	7.4	16 27 23.47	+5.8149	+.0783	−65 51 22.4	− 7.881	+.783	19.6	26 32	65 3324	T Austr. G 22329
3282	8.9	27 31.34	5.8452	.0795	66 5 7.4	7.870	.787	20.5	102 112	65 3325	
3283	8.2	27 31.85	5.7980	.0775	65 43 6.9	7.870	.781	21.2	107 175 181	65 3327	
3284	7.5	27 34.70	5.3965	.0612	62 6 56.5	7.866	.727	21.1	109 173 174	62 5378	
3285	9.0	27 38.68	5.8088	.0778	65 47 56.6	7.860	.783	20.5	108 110	65 3328	
3286	9.0	16 28 17.85	+5.4442	+.0625	−62 33 47.0	− 7.808	+.735	22.9	170 199 200 201	62 5381	
3287	8.3	28 26.49	5.6569	.0708	64 31 7.8	7.796	.763	22.4	168 171 200 202	64 3520	
3288	6.5	28 30.66	5.7554	.0748	65 20 20.2	7.791	.777	21.6	177 178	65 3331	Θ T Australis
3289	8.6	28 35.03	5.6629	.0709	64 33 54.9	7.785	.764	21.6	179 180	64 3521	
3290	9.0	28 51.64	5.4718	.0631	62 48 32.8	7.763	.739	19.6	21 23 28	62 5385	
3291	9.0	16 29 6.45	+5.6079	+.0683	−64 3 47.6	− 7.743	+.758	19.6	24 29 30	63 3973	
3292	8.5	29 7.54	5.8001	.0761	65 40 17.8	7.741	.783	19.6	25 27	65 3333	
3293	9.0	29 10.53	5.6464	.0697	64 23 55.2	7.737	.763	22.7	32 199 200 201[1]	64 3524	
3294	8.3	29 13.34	5.4303	.0613	62 23 6.4	7.733	.734	20.5	102 112	62 5387	MZ 15135
3295	8.3	29 28.29	5.6112	.0681	64 4 39.7	7.713	.759	21.2	107 175 181	63 3974	
3296	8.1	16 29 38.08	+5.7727	+.0745	−65 26 1.9	− 7.700	+.780	21.1	109 173 174	65 3335	
3297	7.9	29 39.84	5.6784	.0706	64 39 12.5	7.698	.768	20.5	108 110	64 3526	
3298	8.4	29 44.05	5.5452	.0653	63 28 4 8	7.692	.750	21.4	167 170	63 3976	
3299[f]	8.4	29 48.32	5.4437	.0614	62 29 37.4	7.686	.736	21.4	168 171	62 5389	
3300	8.5	29 57.79	5.8052	.0756	65 40 46.4	7.674	.785	21.6	177 178	65 3337	

(a) *p* 21ˢ ★ 9.5 0′6N. (b) D *t* N. (c) *s* 2ˢ 0′38. (d) *s* 1ˢ 0′1N. (e) D *t* N. (f) *s* 4ˢ ★ 8.5 1′N. (1) 202.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3301	7.6	16h30m13s.88	+5s.6637	+s.0695	−64°30′18″.4	− 7″.652	+″.766	21.6	179 180	64°3530	
3302	8.5	30 17.39	5.4052	.0596	62 5 10.2	7.647	.732	19.6	21 23	61 5744	
3303	9.0	30 34.48	5.4771	.0621	62 47 17.0	7.624	.742	22.5	24 199 200 201	62 5392	
3304	8.3	30 37.22	5.7114	.0711	64 53 37.5	7.620	.774	19.6	25 27	64 3531	
3305	8.1	30 42.41	5.6189	.0674	64 5 43.5	7.613	.761	22.2	32 200 202	63 3978	
3306[a]	8.4	16 31 6.09	+5.5010	+.0626	−62 59 47.3	− 7.581	+.746	20.5	102 112	62 5393	
3307	8.9	31 11.04	5.7888	.0737	65 30 8.4	7.575	.785	21.6	175 181	65 3341	
3308	8.4	31 18.05	5.7525	.0722	65 12 20.2	7.565	.780	20.5	108 110	65 3342	
3309	8.8	31 33.84	5.7203	.0707	64 55 50.5	7.544	.776	21.1	109 173 174	64 3532	
3310	8.8	31 47.38	5.6657	.0683	64 27 35.6	7.526	.769	21.4	167 170	64 3534	
3311	9.0	16 31 56.21	+5.5794	+.0649	−63 41 32.3	− 7.514	+.758	21.4	168 171	63 3981	
3312	9.0	32 5.94	5.7042	.0696	64 46 30.7	7.501	.775	21.6	177 178	64 3536	
3313	8.9	32 8.47	5.4616	.0603	62 34 19.9	7.497	.742	21.6	179 180	62 5399	
3314	9.0	32 19.27	5.8264	.0743	65 45 18.5	7.483	.791	19.6	21 23	65 3344	
3315[b]	9.0	32 51.79	5.4421	.0591	62 20 59.5	7.439	.740	23.4	199 200 201	62 5402	
3316	9.3	16 33 0.82	+5.5838	+.0642	−63 41 19.3	− 7.426	+.760	20.8	25 27 200	63 3985	
3317	9.3	33 9.71	5.8326	.0738	65 46 16.3	7.414	.793	22.2	32 199 202	65 3345	
3318	8.7	33 12.24	5.4879	.0605	62 47 2.3	7.411	.747	20.5	102 112	62 5404	
3319	8.4	33 13.95	5.8798	.0757	66 7 51.1	7.409	.800	21.2	107 175 181	66 2994	MZ 31214
3320	8.3	33 30.92	5.8352	.0736	65 46 44.3	7.386	.794	20.2	32 108 110	65 3346	
3321	9.3	16 33 31.30	+5.6873	+.0677	−64 34 39.2	− 7.385	+.774	21.1	109 173 174	64 3541	
3322	8.1	33 34.08	5.7745	.0711	65 17 48.7	7.381	.786	21.4	167 170	65 3347	
3323	7.8	33 53.76	5.4521	.0587	62 24 25.4	7.355	.743	21.4	168 171	62 5406	
3324	9.0	33 57.74	5.4400	.0582	62 17 3.2	7.349	.741	21.6	177 178	62 5407	
3325	8.3	34 10.37	5.6132	.0644	63 54 26.8	7.332	.765	21.6	179 180	63 3990	
3326	8.8	16 34 21.63	+5.4707	+.0590	−62 34 14.5	− 7.317	+.746	19.6	21 23 28	62 5409	
3327	8.4	34 24.72	5.4883	.0596	62 44 23.4	7.313	.748	19.6	24 29 30	62 5410	
3328	8.9	34 29.74	5.7159	.0680	64 46 53.4	7.306	.779	19.6	25 27	64 3543	
3329	8.8	34 49.41	5.4617	.0584	62 27 50.4	7.279	.745	23.4	199 200 201	62 5411	
3330	9.0	34 51.51	5.4596	.0583	62 26 29.5	7.276	.745	21.0	26 102 112 202	62 5412	
3331	9.0	16 34 55.97	+5.5450	+.0613	−63 15 22.5	− 7.270	+.756	21.6	175 181	63 3993	
3332	9.1	35 17.58	5.7789	.0697	65 16 4.6	7.241	.789	20.5	108 110	65 3349	
3333	9.2	35 27.57	5.4590	.0578	62 24 43.8	7.227	.746	21.1	109 173 174	62 5414	
3334[c]	8.8	35 32.96	5.4289	.0567	62 6 31.8	7.220	.742	21.4	168 171	62 5417	
3335[d]	8.8	35 33.32	5.4650	.0580	62 28 3.9	7.219	.747	21.4	167 170	62 5416	
3336[e]	8.9	16 35 35.01	+5.4298	+.0567	−62 7 0.8	− 7.217	+.742	21.6	177 178	62 5418	
3337	9.0	35 43.53	5.7199	.0671	64 46 8.1	7.206	.781	21.6	179 180	64 3545	
3338	7.6	35 56.71	5.4422	.0569	62 13 34.5	7.188	.744	19.6	21 23 28	62 5421	MZ 16683
3339	6.9	35 57.15	5.4608	.0575	62 24 36.5	7.187	.746	20.4	24 29 30 173[f]	62 5422	
3340	8.9	36 21.82	5.8972	.0734	66 8 54.5	7.153	.806	19.6	25 27	66 3003	
3341	8.9	16 37 3.58	+5.6598	+.0638	−64 12 28.0	− 7.096	+.775	19.6	26 32	64 3549	
3342	9.0	37 41.06	5.5026	.0577	62 44 58.9	7.045	.754	20.5	102 112	62 5428	
3343	8.8	37 45.91	5.8491	.0703	65 43 59.3	7.039	.802	21.2	107 175 181	65 3353	
3344	8.3	37 56.31	5.7492	.0664	64 55 49.2	7.025	.788	20.5	108 110	64 3553	D Tapia
3345	9.1	38 13.37	5.7342	.0656	64 47 47.0	7.001	.786	21.1	109 173 174	64 3555	
3346	9.0	16 38 25.85	+5.8945	+.0714	−66 3 22.5	− 6.984	+.809	21.4	167 170	65 3356	
3347	8.8	38 26.52	5.8057	.0680	65 22 9.7	6.983	.796	21.4	168 171	65 3358	
3348	8.3	39 11.42	5.6807	.0628	64 18 36.0	6.922	.780	21.6	177 178	64 3557	
3349	8.9	39 20.72	5.9139	.0713	66 10 12.8	6.909	.813	21.6	179 180	66 3011	
3350	9.0	40 3.73	5.6747	.0619	64 13 37.8	6.850	.781	19.6	24 29 30	64 3559	

(a) *p* 30s 0′4N. (b) *p* 20s ✱ 10.0 0′5N. (c) *s* 2s ✱ 8.9 0′5S. (d) *p* 2s ✱ 9.8 1′5S. (e) *p* 2s ✱ 8.8 0′5N. (f) 174.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3351	8.9	16h40m 7s.66	+5s.8863	+s.0695	−65°56′11″.6	− 6″.845	+″.810	19.6	21 28	63°3359	
3352	8.6	40 21.97	5.5199	.0563	62 48 49.7	6.825	.760	19.6	25 27	62 5432	
3353	8.6	40 36.25	5.4986	.0554	62 36 6.2	6.806	.757	19.6	26 32	62 5433	
3354	9.3	40 38.27	5.5826	.0582	63 23 20.4	6.803	.769	20.5	102 112	63 4009	
3355	8.8	40 47.53	5.4396	.0534	62 0 49.7	6.790	.749	21.2	107 175 181	61 5778	
3356	9.2	16 40 53.43	+5.6629	+.0608	−64 5 44.3	− 6.782	+.780	20.5	108 110	64 3560	
3357	8.7	41 7.48	5.6807	.0612	64 14 29.6	6.763	.783	21.1	109 173 174	64 3561	
3358[a]	8.5	41 32.80	5.6223	.0589	63 42 54.5	6.728	.775	21.4	167 170	63 4010	
3359[b]	9.0	42 42.49	5.5429	.0554	62 56 51.4	6.632	.766	21.4	168 171	62 5443	
3360	9.1	42 48.21	5.6248	.0580	63 41 36.8	6.624	.777	21.6	177 178	63 4015	
3361	8.8	16 42 54.04	+5.4729	+.0529	−62 16 2.3	− 6.616	+.756	21.6	179 180	62 5445	
3362[c]	8.7	43 26.22	5.7054	.0602	64 22 23.2	6.572	.789	22.2	21 23 199 200([1])	64 3563	
3363	9.0	43 27.31	5.4758	.0526	62 16 32.5	6.571	.757	19.6	24 29 30	62 5449	
3364	9.0	43 33.84	5.8918	.0665	65 51 53.4	6.562	.815	19.6	25 27	65 3363	
3365	8.7	43 51.21	5.7297	.0606	64 33 50.7	6.538	.793	19.6	26 32	64 3565	
3366	8.7	16 43 54.34	+5.5722	+.0554	−63 10 38.7	− 6.533	+.771	20.5	102 112	63 4019	
3367	8.9	43 57.30	5.5925	.0560	63 21 45.0	6.529	.774	21.2	107 175 181	63 4020	
3368	8.6	44 10.17	5.5360	.0540	62 49 50.2	6.511	.766	20.5	108 110	62 5451	
3369	9.3	44 28.21	5.8124	.0629	65 13 3.9	6.487	.805	21.5	173 174	65 3364	
3370	8.3	44 34.41	5.7196	.0597	64 27 18.3	6.478	.792	21.4	167 170	64 3567	
3371	7.2	16 44 35.86	+5.8165	+.0630	−65 14 47.6	− 6.476	+.806	21.1	109 168 171	65 3365	T Australis L 6954, 44 G
3372	9.0	44 48.95	5.6687	.0578	64 0 41.9	6.458	.786	21.6	177 178	63 4022	
3373[d]	8.1	45 17.06	5.5167	.0526	62 36 30.3	6.419	.765	21.6	179 180	62 5454	
3374	8.7	45 36.25	5.6790	.0575	64 4 27.0	6.393	.788	19.6	21 23 28	63 4024	
3375	7.9	46 30.45	5.5743	.0535	63 6 31.5	6.318	.774	19.6	24 29 30	63 4026	
3376	8.9	16 47 13.27	+5.8489	+.0617	−65 25 7.4	− 6.258	+.813	19.6	25 27 31	65 3370	
3377	8.9	47 25.17	5.7015	.0568	64 12 32.4	6.242	.793	19.6	26 32	64 3574	
3378[e]	8.2	47 31.52	5.6023	.0535	63 19 53.6	6.233	.779	22.5	102 112 199 200([2])	63 4031	
3379	8.6	47 37.18	5.9515	.0649	66 10 59.8	6.225	.828	21.6	175 181	66 3036	
3380	9.0	47 45.54	5.5229	.0509	62 35 1.3	6.214	.768	20.5	108 110	62 5458	
3381	9.3	16 48 17.86	+5.7226	+.0567	−64 21 34.8	− 6.169	+.797	21.1	109 173 174	64 3578	
3382	9.0	48 22.29	5.5621	.0517	62 56 2.4	6.163	.774	21.4	167 170	62 5460	
3383	6.3	48 24.11	5.5853	.0524	63 8 49.6	6.160	.778	21.4	168 171	63 4032	L 6983, 17 G Arae
3384	8.5	48 29.25	5.7666	.0579	64 43 12.2	6.153	.803	21.6	177 178	64 3579	
3385	8.2	48 51.48	5.8260	.0595	65 11 16.0	6.122	.812	21.6	179 180	65 3372	
3386	8.9	16 48 54.37	+5.8171	+.0592	−65 6 55.6	− 6.118	+.811	19.6	21 23 28	65 3373	
3387	8.3	49 6.33	5.9311	.0628	65 59 17.2	6.102	.826	19.6	24 29 30	65 3374	
3388	8.9	49 27.08	5.6575	.0538	63 45 47.1	6.073	.789	19.6	25 27 31	63 4034	
3389	8.7	49 29.45	5.5122	.0494	62 25 26.5	6.070	.769	19.6	26 32	62 5466	MZ 16723
3390	8.2	49 57.19	5.6945	.0545	64 4 7.5	6.031	.795	20.5	102 112	63 4035	
3391	8.3	16 50 0.50	+5.8894	+.0606	−65 38 49.2	− 6.026	+.822	21.2	107 175 181	65 3375	
3392	9.0	50 47.80	5.4774	.0474	62 2 30.4	5.961	.765	22.5	108 110 199 200([3])	61 5811	D Anónima
3393	8.8	50 55.27	5.5830	.0504	63 2 44.9	5.950	.780	21.1	109 173 174	62 5470	
3394	7.3	50 57.40	5.8211	.0576	65 5 9.3	5.947	.813	21.4	167 170	65 3377	
3395	8.9	51 1.70	5.5199	.0485	62 26 56.6	5.941	.771	21.4	168 171	62 5471	
3396	8.7	16 51 31.57	+5.7544	+.0550	−64 31 35.7	− 5.900	+.805	21.6	177 178	64 3582	
3397	8.9	51 58.38	5.4815	.0467	62 2 42.5	5.862	.767	21.6	179 180	61 5818	
3398	8.7	52 11.77	5.6390	.0511	63 30 51.4	5.844	.789	19.6	21 23 25 27([4])	63 4040	
3399	9.1	52 12.54	5.6128	.0503	63 16 41.0	5.842	.786	19.6	24 29 30	63 4041	
3400[f]	8.7	52 15.97	5.6384	.0510	63 30 22.3	5.838	.789	20.9	31 175 181	63 4042	

(a) *s* 1s 0′8N. (b) *s* 20s = δ. (c) *s* 10s ✶ 9.0 0′3S. (d) *s* 14s ✶ 9.2 0′1S. (e) *p* 20s ✶ 9.3 = δ.
(f) *p* 4s ✶ 8.7 0′5S y *s* 26s ✶ 8.7 0′1N. ([1]) 201, 202. ([2]) 201, 202. ([3]) 201, 202. ([4]) 28.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3401	9.0	16h52m16ˢ50	+ˢ9583	+ˢ0607	−66° 5′51″9	− 5″837	+″834	19.6	26 32	66°3047	
3402	9.0	52 30.56	5.6423	.0509	63 32 0.5	5.817	.790	20.5	102 112	63 4043	
3403	8.7	52 41.71	5.6396	.0507	63 30 16.2	5.802	.790	21.2	107 175 181	63 4044	
3404	9.0	52 50.48	5.7617	.0541	64 32 51.8	5.790	.807	20.5	108 110	64 3586	
3405	9.1	53 1.72	5.6002	.0493	63 8 19.7	5.774	.784	21.1	109 173 174	63 4045	
3406	8.8	16 53 4.38	+5.7530	+.0537	−64 28 9.2	− 5.770	+.806	21.4	167 168 170	64 3587	
3407	8.1	53 34.20	5.7510	.0532	64 26 16.3	5.729	.806	23.1	171 199 200 201(1)	64 3588	
3408	8.5	54 7.39	5.8515	.0557	65 14 5.4	5.682	.821	21.6	177 178	65 3387	
3409	8.9	54 18.10	5.6398	.0494	63 27 27.6	5.667	.791	21.6	179 180	63 4047	
3410	9.0	54 51.16	5.9774	.0589	66 9 59.9	5.621	.839	22.7	28 199 200 201(2)	66 3053	
3411	7.8	16 55 1.40	+5.4894	+.0448	−62 1 42.1	− 5.607	+.771	19.6	24 29 30	61 5824	
3412	8.6	56 23.39	5.5388	.0451	62 27 56.1	5.492	.779	19.6	25 27 31	62 5480	
3413	9.0	56 30.99	5.6200	.0472	63 12 57.5	5.481	.791	20.5	102 112	63 4052	
3414	9.0	56 32.54	5.5244	.0446	62 19 24.3	5.479	.777	19.6	26 32	62 5481	
3415	8.6	56 59.66	5.9017	.0547	65 32 38.5	5.441	.831	21.2	107 175 181	65 3389	
3416[a]	9.0	16 57 22.14	+5.5398	+.0444	−62 26 50.5	− 5.409	+.780	20.5	108 110	62 5483	MZ 16742
3417	8.5	58 31.56	5.5538	.0439	62 32 47.1	5.312	.783	21.1	109 173 174	62 5485	
3418	8.6	59 15.66	5.5200	.0426	62 12 13.3	5.250	.779	21.4	167 170	62 5488	
3419	9.0	59 47.67	5.7065	.0469	63 53 18.0	5.205	.806	23.1	171 199 200 201(3)	63 4057	
3420	7.8	17 0 1.31	5.9253	.0527	65 38 42.4	5.186	.837	21.6	177 178	65 3394	
3421[b]	8.8	17 0 18.44	+5.5552	+.0427	−62 30 38.5	− 5.162	+.785	21.6	179 180	62 5490	
3422	8.9	0 20.20	5.5451	.0424	62 24 51.6	5.159	.784	19.6	21 23 28	62 5491	
3423	8.7	0 29.37	5.6768	.0456	63 36 44.9	5.146	.802	19.6	24 29 30	63 4059	
3424	8.2	0 39.35	5.6915	.0458	63 44 9.0	5.132	.805	19.6	25 27 31	63 4060	
3425	8.8	0 41.90	5.5273	.0417	62 14 3.4	5.128	.782	19.6	26 32	62 5492	
3426	9.0	17 1 26.54	+5.8148	+.0484	−64 44 49.6	− 5.066	+.833	22.0	102 112 199 201	64 3593	
3427	9.3	1 30.70	5.5092	.0407	62 2 10.7	5.060	.780	20.5	108 110	61 5839	
3428	8.9	1 31.28	5.9489	.0519	65 47 7.4	5.059	.842	21.6	175 181	65 3399	
3429	8.9	1 46.71	5.9923	.0529	66 5 54.4	5.037	.848	21.1	109 173 174	66 3064	
3430	8.6	1 55.85	5.8761	.0496	65 13 14.4	5.024	.832	22.5	170 201	65 3398	MZ 30131
3431	8.7	17 2 47.20	+5.9367	+.0505	−65 39 48.0	− 4.952	+.841	22.8	171 199 202	65 3402	
3432	9.0	3 1.35	5.8027	.0468	64 36 36.0	4.932	.822	22.2	177 178 201	64 3594	
3433	9.7	3 15.38	5.8568	.0480	65 2 14.1	4.912	.830	22.6	179 202	64 3595	
3434	8.7	5 5.86	5.8452	.0461	64 54 6.8	4.755	.830	19.6	21 23 28	64 3600	
3435	7.2	5 26.47	5.6889	.0421	63 35 34.9	4.726	.808	19.6	24 29 30	63 4070	
3436	9.0	17 6 17.84	+5.7985	+.0439	−64 29 52.9	− 4.654	+.824	19.6	25 31	64 3603	
3437	8.7	6 21.91	5.9389	.0473	65 35 49.3	4.648	.844	19.6	26 32	65 3408	
3438	8.4	6 37.64	5.9766	.0480	65 52 16.4	4.625	.850	22.3	102 112 199 201(4)	65 3409	
3439	8.7	7 4.71	5.5224	.0371	62 1 20.4	4.587	.786	21.2	107 175 181	61 5850	
3440	8.1	7 5.65	5.8061	.0434	64 32 29.5	4.586	.826	20.5	108 110	64 3607	
3441	8.7	17 7 9.01	+5.6789	+.0405	−63 27 52.6	− 4.581	+.808	21.1	109 173 174	63 4074	
3442	7.3	7 15.87	5.5886	.0384	62 38 42.9	4.571	.795	21.6	170 182	62 5500	
3443	8.7	7 20.62	5.6005	.0386	62 45 14.7	4.564	.797	21.6	177 178	62 5501	
3444	9.0	7 22.23	5.8439	.0441	64 50 19.9	4.562	.832	23.0	171 199 201 202	64 3608	
3445	8.5	7 28.48	5.6237	.0390	62 57 49.3	4.553	.801	21.6	179 180	62 5502	
3446	8.3	17 7 32.57	+5.7160	+.0410	−63 46 40.1	− 4.547	+.814	19.6	21 23 28	63 4075	
3447	9.0	7 58.90	5.9552	.0462	65 40 59.8	4.510	.848	19.6	24 29 30	65 3414	
3448	8.7	8 5.98	5.7539	.0414	64 5 12.5	4.500	.819	19.6	25 31	64 3611	
3449	9.0	8 13.22	5.8498	.0435	64 52 2.5	4.490	.833	19.6	26 32	64 3612	
3450	7.9	8 45.20	5.5835	.0372	62 33 46.4	4.444	.796	21.9	102 112 199 202	62 5505	

(a) s 7ˢ ★ 9.7 1′7S. (b) p 2ˢ 1′5S. (1) 202. (2) 202. (3) 202. (4) 202.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900•	Zonas	C. P. D.	Obser.
3451	8.4	17h10m 4ˢ.80	+5ˢ.8283	+ˢ.0415	—64°39′19″.4	— 4″.331	+″.831	21.2	107 175 181	64°3615	
3452	9.0	10 19.54	5.9792	.0447	65 48 42.2	4.310	.853	20.5	108 110	65 3422	
3453	8.1	10 54.96	5.5948	.0358	62 37 10.4	4.260	.799	21.1	109 173 174	62 5512	
3454	9.2	11 6.16	5.7057	.0380	63 36 33.1	4.245	.815	21.6	170 182	63 4081	
3455[a]	8.9	11 36.51	5.7216	.0379	63 44 9.3	4.200	.818	23.0	171 199 201 202	63 4083	
3456	7.5	17 11 50.16	+5.6159	+.0356	—62 47 36.6	— 4.181	+.803	22.9	177 201 202	62 5518	
3457	9.0	12 7.56	5.6059	.0352	62 41 43.1	4.156	.801	21.6	179 180	62 5519	
3458	8.7	12 14.36	5.7582	.0382	64 1 59.3	4.147	.823	19.6	21 23 28	63 4085	
3459	8.6	13 1.72	5.5379	.0332	62 2 6.9	4.079	.792	19.6	24 29 30	61 5885	
3460	8.7	13 6.55	5.5788	.0339	62 25 19.2	4.072	.798	19.6	25 31	62 5523	
3461	8.7	17 13 37.63	+5.7421	+.0368	—63 52 6.7	— 4.028	+.822	19.6	26 32	63 4087	
3462	7.7	14 5.01	5.7009	.0356	63 30 18.1	3.989	.816	22.3	102 112 199 201[1]	63 4088	
3463	8.8	14 15.33	5.6968	.0354	63 27 56.9	3.975	.816	20.5	108 110	63 4089	
3464	8.7	14 15.59	5.6268	.0340	62 50 29.6	3.974	.806	21.2	107 175 181	62 5531	
3465	8.1	14 39.20	5.6854	.0349	63 21 30.3	3.941	.814	21.1	109 173 174	63 4090	
3466	9.3	17 14 53.29	+5.6145	+.0333	—62 42 59.6	— 3.920	+.805	21.6	170 182	62 5534	
3467	8.8	14 54.20	6.0443	.0419	66 11 37.8	3.919	.866	23.0	171 199 201 202	66 3095	
3468	8.3	15 2.48	5.7606	.0360	63 59 47.8	3.907	.826	21.6	177 178	63 4092	
3469	8.9	15 2.52	5.9161	.0391	65 14 41.3	3.907	.848	21.6	179 180	65 3435	
3470	8.4	15 42.35	6.0017	.0403	65 52 20.8	3.850	.861	19.6	21 23	65 3436	
3471	8.8	17 15 47.37	+5.5821	+.0321	—62 23 53.5	— 3.843	+.801	19.6	24 29 30	62 5542	MZ 16810
3472	9.0	15 51.01	5.5431	.0313	62 1 35.6	3.838	.795	19.6	25 31	61 5899	
3473	9.0	15 55.71	5.5525	.0314	62 6 54.5	3.831	.797	21.9	102 112 199 201	62 5545	
3474	8.4	15 57.67	5.6504	.0332	63 1 17.2	3.828	.810	19.6	26 32	62 5544	
3475	8.8	16 9.74	5.7887	.0357	64 12 31.8	3.811	.831	21.2	107 175 181	64 3626	
3476	8.8	17 16 12.78	+6.0491	+.0408	—66 12 16.5	— 3.807	+.868	20.5	108 110	66 3101	
3477	8.8	16 15.48	5.5666	.0315	62 14 34.6	3.803	.799	21.1	109 173 174	62 5550	
3478[b]	8.6	16 25.45	5.6019	.0320	62 34 11.2	3.789	.804	21.6	170 182	62 5552	
3479	7.0	16 28.80	5.9707	.0390	65 37 47.6	3.784	.857	23.0	171 199 201 202	65 3438	
3480	8.1	16 38.87	5.6242	.0322	62 46 14.1	3.769	.807	21.6	177 178	62 5555	
3481	8.5	17 16 48.12	+5.6607	+.0328	—63 5 47.8	— 3.756	+.813	21.6	179 180	63 4095	
3482	5.9	16 58.11	5.6273	.0321	62 47 32.7	3.742	.808	19.6	21 23	62 5558	L 7199,46 G Arae
3483	8.7	17 18.48	5.8266	.0355	64 29 50.9	3.713	.837	19.6	24 29 30	64 3627	
3484	8.8	17 22.56	5.9062	.0370	65 7 29.5	3.707	.848	19.6	25 31	65 3442	MZ 30167
3485	9.1	17 22.69	5.5599	.0306	62 9 25.2	3.707	.799	19.6	26 32	62 5561	
3486	9.3	17 17 35.87	+5.5544	+.0303	—62 6 0.5	— 3.688	+.798	22.2	102 112 199 201[2]	62 5562	
3487	9.1	18 11.76	6.0499	.0389	66 10 32.4	3.636	.869	20.5	108 110	66 3106	
3488[c]	8.8	18 15.74	5.9700	.0374	65 35 34.5	3.631	.858	21.2	107 175 181	65 3443	
3489	9.0	18 17.97	5.5746	.0302	62 16 42.9	3.627	.801	21.1	109 173 174	62 5566	
3490	9.0	18 32.82	6.0355	.0383	66 4 1.2	3.606	.867	21.6	170 182	66 3108	
3491	8.4	17 18 44.83	+5.9236	+.0360	—65 14 5.5	— 3.589	+.852	22.8	171 199 201	65 3445	
3492	8.9	19 11.43	5.5930	.0298	62 26 3.7	3.551	.804	22.6	177 202	62 5572	
3493[d]	8.4	19 25.27	5.8258	.0337	64 27 13.5	3.531	.838	21.6	179 180	64 3630	
3494	9.0	19 26.75	5.7409	.0321	63 44 51.5	3.529	.826	19.6	21 23 28	63 4103	
3495	8.7	19 29.74	5.5948	.0296	62 26 43.2	3.525	.805	20.1	24 29 30 178	62 5576	
3496	8.7	17 19 32.45	+5.6395	+.0303	—62 51 19.6	— 3.521	+.811	19.6	25 31	62 5577	
3497	8.8	19 42.94	5.5537	.0288	62 3 12.9	3.506	.799	19.6	26 32	62 5581	
3498	8.2	19 56.33	5.8876	.0343	64 56 10.1	3.486	.847	21.9	102 112 199 201	64 3634	
3499	9.0	20 24.43	6.0609	.0372	66 12 59.7	3.446	.872	21.2	107 175 181	66 3111	
3500	7.8	20 36.79	5.6800	.0302	63 11 55.7	3.428	.818	20.5	108 110	63 4104	

(a) *s* 20ᵉ 1ᵉ5N. (b) *s* 7ᵉ ✶ 9.5 0′5N. (c) *p* 8ᵉ 0′2S. (d) *s* 9ᵉ ✶ 9.6 0′4N. (1) 202. (2) 202.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3501	8.6	17h20m42s57	+s8829	+s0336	−64°53′10″2	− 3″420	+″847	21.1	109 173 174	64°3637	
3502	6.6	21 2.85	5.6554	.0295	62 58 18.7	3.391	.814	21.6	170 182	62 5590	
3503	8.3	21 6.46	5.7457	.0309	63 45 35.6	3.386	.827	23.0	171 199 201 202	63 4105	
3504	8.8	21 8.19	5.7160	.0304	63 30 15.6	3.383	.823	21.6	179 180	63 4106	
3505	8.2	21 9.24	5.6455	.0292	62 52 52.3	3.382	.813	21.6	177 178	62 5591	
3506	9.2	17 21 13.10	+6.0443	+.0360	−66 5 10.0	− 3.376	+.870	19.6	21 28	66 3114	D *h* 4943
3507	8.7	21 17.70	5.7423	.0307	63 43 40.7	3.369	.827	19.6	24 29 30	63 4107	
3508	7.8	21 51.15	5.7009	.0296	63 21 39.6	3.321	.821	19.6	25 31	63 4110	
3509	9.2	21 57.96	6.0193	.0349	65 53 39.3	3.311	.867	19.6	26 32	65 3449	
3510	9.0	23 7.30	5.7533	.0294	63 47 28.1	3.212	.830	22.2	102 112 199 201(1)	63 4112	
3511	8.8	17 23 46.80	+5.5579	+.0260	−62 1 20.4	− 3.155	+.802	21.2	107 175 181	61 5949	
3512	8.5	24 17.66	6.0193	.0327	65 51 32.1	3.110	.868	20.5	108 110	65 3452	Arae B 6076
3513	9.1	24 23.55	5.6263	.0265	62 39 7.9	3.102	.812	21.1	109 173 174	62 5611	
3514	8.4	25 8.50	5.5467	.0249	61 53 33.6	3.037	.801	21.6	170 182	61 5958	
3515	9.0	25 36.01	5.6768	.0264	63 5 18.4	2.998	.820	22.8	171 199 201	63 4118	
3516	8.0	17 25 43.97	+5.5778	+.0249	−62 10 48.7	− 2.986	+.806	21.6	179 180	62 5621	
3517	8.0	25 44.59	5.6995	.0266	63 17 12.8	2.985	.823	21.6	177 178	63 4119	
3518	8.6	26 36.58	6.0370	.0309	65 57 15.9	2.910	.872	19.6	21 23 28	65 3458	
3519	9.0	27 18.18	5.9902	.0296	65 36 14.2	2.850	.866	19.6	24 29 30	65 3462	
3520	7.5	28 4.78	5.5687	.0231	62 3 31.4	2.783	.806	19.6	25 31	62 5627	
3521	8.5	17 28 11.11	+5.6648	+.0243	−62 56 26.7	− 2.774	+.819	19.6	26 32	62 5628	
3522	8.8	28 20.62	5.8567	.0268	64 33 51.0	2.760	.847	21.2	107 175 181	64 3645	
3523	8.9	28 22.31	6.0232	.0291	65 49 51.3	2.758	.871	21.9	102 112 199 201	65 3463	
3524[a]	8.2	28 26.40	5.9116	.0274	64 59 38.2	2.752	.855	20.5	108 110	64 3646	
3525[b]	9.0	28 35.35	5.6609	.0239	62 54 10.6	2.739	.819	21.1	109 173 174	62 5631	D *h* 4956
3526	8.0	17 28 43.26	+6.0399	+.0291	−65 56 50.3	− 2.727	+.874	21.6	170 182	65 3465	Arae L 7290
3527	8.3	29 8.19	5.6888	.0239	63 8 36.7	2.691	.823	22.8	171 199 201	63 4126	
3528	8.5	29 19.35	6.0641	.0288	66 6 44.0	2.675	.878	21.6	179 180	66 3126	
3529	9.0	29 21.15	5.9867	.0277	65 33 1.5	2.673	.866	22.2	177 178 202	65 3466	
3530	8.7	29 22.47	5.8480	.0258	64 28 52.5	2.671	.847	19.6	21 23 28	64 3648	
3531	8.8	17 29 26.69	+5.8827	+.0262	−64 45 20.5	− 2.665	+.851	19.6	24 29 30	64 3649	
3532	8.9	29 38.74	5.7272	.0240	63 28 20.4	2.647	.829	20.9	25 31 202	63 4127	
3533	8.8	29 51.35	5.9944	.0274	65 36 4.3	2.629	.868	19.6	26 32	65 3467	
3534	9.1	29 53.77	5.6610	.0230	62 53 9.3	2.626	.819	21.9	102 112 199 201	62 5640	
3535	9.0	30 8.31	5.7571	.0240	63 43 15.3	2.605	.834	21.6	175 181	63 4128	
3536	9.0	17 30 22.85	+6.0248	+.0273	−65 49 0.7	− 2.583	+.872	20.5	108 110	65 3468	
3537	8.5	30 28.87	5.7093	.0231	63 18 19.5	2.575	.827	21.1	109 173 174	63 4129	
3538	8.6	30 35.80	6.0704	.0277	66 8 27.8	2.565	.879	21.6	170 182	66 3129	
3539[c]	9.0	32 18.21	5.7199	.0218	63 22 31.0	2.417	.829	22.8	171 199 201	63 4130	
3540	8.9	33 5.27	6.0293	.0249	65 49 5.7	2.349	.874	21.6	177 178	65 3472	
3541	9.0	17 33 23.04	+5.5707	+.0194	−62 0 26.0	− 2.323	+.808	21.6	179 180	61 6004	
3542	9.0	33 26.12	5.7618	.0214	63 43 14.2	2.318	.835	19.6	21 23 28	63 4131	
3543	8.7	33 39.90	5.9254	.0232	65 2 12.8	2.298	.859	19.6	25 31	65 3474	
3544	8.9	33 41.11	5.5830	.0193	62 7 13.7	2.297	.810	19.6	24 29 30	62 5657	
3545[d]	8.8	33 43.61	5.9582	.0235	65 17 10.7	2.293	.864	19.6	26 32	65 3475	
3546	8.8	17 33 53.85	+5.5636	+.0190	−61 56 1.5	− 2.278	+.807	21.9	102 112 199 201	61 6006	
3547	8.7	34 1.44	5.9857	.0235	65 29 18.8	2.267	.868	21.2	107 175 181	65 3478	
3548	9.1	34 47.04	5.6044	.0187	62 18 27.8	2.201	.813	20.5	108 110	62 5663	
3549	9.2	35 55.23	5.9491	.0215	65 11 33.0	2.102	.864	21.1	109 173 174	65 3482	
3550	9.0	36 49.42	5.8996	.0202	64 48 15.5	2.024	.857	21.6	170 182	64 3660	

(*a*) = α ★ 9.9 1′7N. (*b*) D *t p*. (*c*) *s* 15ª ★ 10.0 = δ. (*d*) *s* 10ª ★ 9.5 1′N. (1) 202.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3551	8.9	17h37m47s.70	+5s.8212	+s.0186	−64°10′ 8″.0	− 1″.939	+″.846	22.8	171 199 201	64°3661	
3552	4.8	38 22.04	5.8869	.0188	64 41 24.3	1.889	.855	21.6	177 178	64 3662	F. χ Pavonis
3553	7.2	38 31.13	5.8373	.0182	64 17 33.5	1.876	.848	21.6	179 180	64 3663	
3554	9.4	38 42.84	5.8175	.0179	64 7 46.1	1.859	.845	19.6	21 23 28	64 3664	
3555	8.7	39 31.94	5.6538	.0158	62 42 46.0	1.788	.822	19.6	24 29 30	62 5690	
3556	9.0	17 40 21.16	+5.8083	+.0164	−64 2 23.1	− 1.716	+.844	19.6	25 31	64 3667	
3557	7.9	40 29.18	6.0892	.0188	66 10 32.1	1.705	.886	19.6	26 32	66 3136	
3558	7.8	40 34.61	5.7481	.0158	63 31 56.0	1.697	.836	22.4	102 112 199 201	63 4140	
3559	9.0	40 38.74	5.8859	.0169	64 39 45.5	1.691	.856	21.2	107 175 181	64 3669	
3560	8.1	40 43.81	5.5784	.0143	62 0 14.3	1.684	.811	23.6	202	61 6040	
3561	8.0	17 40 43.90	+6.0014	+.0177	−65 32 32.0	− 1.683	+.873	20.6	108 110	65 3487	
3562	8.8	41 29.62	5.6777	.0145	62 54 35.7	1.617	.826	21.1	109 173 174	62 5694	
3563	8.3	41 42.23	5.5916	.0137	62 7 11.6	1.599	.813	22.8	170 199 201	62 5697	
3564	8.9	41 53.06	5.7792	.0150	63 47 8.0	1.583	.841	22.5	171 202	63 4141	
3565	7.1	42 48.86	5.8402	.0147	64 16 51.1	1.502	.850	21.6	179 180	64 3670	
3566	8.1	17 43 9.29	+5.6509	+.0131	−62 39 22.5	− 1.472	+.822	19.6	21 23 28	62 5704	
3567	7.3	43 27.96	5.5700	.0123	61 54 5.7	1.445	.811	19.6	29 30	61 6054	
3568	9.0	43 54.56	5.7124	.0129	63 11 52.8	1.406	.832	21.5	25 31 199 201	63 4143	
3569	8.7	43 59.28	5.7092	.0128	63 10 12.2	1.399	.831	19.6	26 32	63 4145	
3570[a]	8.8	44 19.16	5.6240	.0121	62 24 8.7	1.370	.819	22.5	102 201 202	62 5714	MZ 16903
3571	8.1	17 44 30.14	+5.6473	+.0121	−62 36 49.2	− 1.354	+.822	21.2	107 175 181	62 5715	
3572	9.0	44 39.83	5.7202	.0124	63 15 38.8	1.340	.833	21.1	109 173 174	63 4148	
3573	9.1	44 39.93	5.9086	.0136	64 48 39.1	1.340	.860	20.5	108 110	64 3680	
3574	8.0	45 19.44	5.8823	.0129	64 36 1.5	1.283	.856	22.8	170 199 201	64 3687	
3575[b]	9.0	45 46.46	6.0716	.0137	66 0 56.3	1.243	.884	22.5	171 202	65 3504	
3576	7.2	17 45 48.48	+5.9962	+.0132	−65 28 6.6	− 1.240	+.873	21.6	177 178	65 3507	
3577	7.6	46 24.19	5.8016	.0116	63 56 28.5	1.189	.845	21.6	179 180	63 4155	
3578	8.8	46 39.33	6.0519	.0128	65 52 12.2	1.167	.881	19.6	21 23 28	65 3511	
3579	8.3	46 49.80	6.0819	.0128	66 4 58.1	1.151	.886	19.6	29 30	66 3152	MZ 31387
3580	9.0	47 4.82	5.9155	.0116	64 51 0.8	1.129	.862	22.5	31 199 201 202	64 3696	
3581	9.0	17 47 11.97	+5.5921	+.0098	−62 5 11.5	− 1.119	+.815	19.6	26 32	62 5729	
3582	8.8	47 23.74	5.9607	.0116	65 11 40.8	1.102	.869	21.5	102 112 201	65 3516	D h 4980
3583	8.3	47 42.06	5.7221	.0101	63 15 31.9	1.075	.834	21.2	107 175 181	63 4170	
3584	9.1	47 53.48	6.0610	.0117	65 55 43.9	1.059	.883	20.5	108 110	65 3522	
3585[c]	8.9	48 23.55	5.6903	.0094	62 58 36.2	1.015	.829	21.1	109 173 174	62 5742	D h 4985
3586	6.9	17 48 50.60	+6.0301	+.0107	−65 42 5.6	− 0.975	+.879	22.8	170 199 201	65 3528	Pavonis L 7432
3587	9.0	48 57.73	5.9714	.0103	65 16 3.5	0.965	.870	22.6	171 202	65 3529	
3588	9.0	49 0.89	5.5771	.0085	61 56 3.2	0.960	.813	22.2	177 178 201	61 6076	
3589	8.4	49 28.34	5.9096	.0095	64 47 33.8	0.921	.861	21.6	179 180	64 3711	
3590	8.0	49 39.08	5.9498	.0096	65 6 3.4	0.905	.867	19.6	21 23 38	65 3532	
3591	9.0	17 49 48.01	+6.0552	+.0099	−65 52 44.1	− 0.892	+.883	19.6	24 29 30	65 3534	
3592	8.7	49 48.90	5.7053	.0084	63 6 4.9	0.891	.832	19.6	25 31	63 4183	
3593[d]	8.8	49 55.84	5.6220	.0080	62 21 3.3	0.880	.819	19.6	26 32	62 5747	
3594	8.4	50 47.10	5.7662	.0079	63 37 21.5	0.806	.840	22.2	102 112 199 201(1)	63 4194	
3595[e]	9.3	50 48.23	5.7146	.0077	63 10 45.5	0.804	.833	21.2	107 175 181	63 4195	
3596	9.1	17 51 10.52	+5.7339	+.0075	−63 20 41.5	− 0.772	.836	20.5	108 110	63 4198	
3597[f]	9.0	51 34.49	5.8552	.0076	64 21 14.4	0.737	.854	21.1	109 173 174	64 3724	
3598	8.6	52 2.37	6.0792	.0079	66 2 27.4	0.696	.886	22.6	171 202	66 3181	
3599	9.0	52 3.32	5.7434	.0069	63 25 25.7	0.695	.838	22.8	170 199 201	63 4204	
3600	8.8	52 21.14	5.7839	.0067	63 45 59.6	0.669	.843	22.2	177 178 201	63 4206	

(a) p 5s 0′38. (b) p 15s 0′7S, p 15s 1′N. (c) p 3s = δ. (d) s 2s ★ 9.8 1′S.
(e) s 14s ★ 9.1 0′2N. (f) p 1s 0′2N. (1) 202.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3601	9.0	17h52m50s.27	+5s.6536	+s.0060	—62°37'44".9	− 0".626	+".824	21.6	176 180	62°5756	
3602	8.7	53 23.70	5.7501	.0058	63 28 37.9	0.578	.839	19.6	21 23 28	63 4217	
3603	8.3	53 42.15	5.6024	.0053	62 9 18.7	0.551	.817	19.6	24 29 30	62 5760	D *h* 4996
3604	8.8	53 55.73	5.6199	.0052	62 19 1.6	0.531	.820	19.6	25 31	62 5761	
3605	8.1	53 58.57	5.6402	.0051	62 30 13.8	0.527	.822	19.6	26 32	62 5762	
3606[a]	9.0	17 54 26.87	+5.5950	+.0047	—62 4 59.5	− 0.486	+.816	21.2	107 175 181	62 5766	
3607	9.0	54 32.78	6.0750	.0056	66 0 17.0	0.477	.886	21.9	102 112 199 201	65 3567	
3608	9.0	54 36.12	5.9282	.0053	64 55 9.3	0.472	.864	20.5	108 110	64 3758	
3609	8.9	55 4.56	5.6341	.0043	62 26 41.3	0.431	.822	21.1	109 173 174	62 5770	
3610	8.8	55 8.03	6.0880	.0051	66 5 41.8	0.426	.888	22.5	170 201	66 3206	
3611	9.0	17 55 8.43	+5.8432	+.0046	—64 14 50.2	− 0.425	+.852	22.8	171 199 202	64 3762	
3612[b]	8.4	55 22.92	5.8090	.0044	63 57 59.9	0.404	.847	21.6	177 178	63 4234	
3613	9.0	55 45.43	5.8166	.0041	64 1 45.4	0.371	.848	21.6	179 180	64 3768	
3614	8.2	55 57.01	5.9513	.0041	65 5 37.6	0.354	.868	19.6	21 23 28	65 3573	Pavonis M, 906
3615	8.4	56 22.62	5.6009	.0033	62 8 4.2	0.317	.817	19.6	24 29 30	62 5777	
3616[c]	8.9	17 56 23.30	+5.7007	+.0034	—63 2 28.5	− 0.316	+.831	22.5	25 199 201 202	63 4248	
3617	9.3	56 46.70	5.7107	.0032	63 7 41.5	0.282	.833	19.6	26 32	63 4255	
3618	9.0	56 52.16	6.0449	.0034	65 47 6.9	0.274	.882	21.4	102 112 199	65 3577	
3619	9.0	56 53.77	5.8753	.0032	64 30 3.8	0.271	.857	21.6	175 181	64 3774	
3620	8.9	57 25.01	6.0060	.0029	65 30 4.6	0.226	.876	20.5	108 110	65 3579	
3621	8.7	17 57 55.95	+5.7828	+.0023	—63 44 42.2	− 0.181	+.843	21.1	109 173 174	63 4265	
3622[d]	8.7	58 9.70	5.9615	.0022	65 10 6.0	0.161	.869	22.8	170 199 201	65 3585	
3623	9.0	58 13.63	5.7043	.0021	63 4 14.8	0.155	.832	22.6	171 202	63 4273	
3624	7.9	58 22.12	5.7186	.0020	63 11 44.8	0.143	.834	23.6	202	63 4275	
3625	9.0	58 24.18	5.6224	.0019	62 19 57.2	0.140	.820	21.6	179 180	62 5786	
3626	8.7	17 58 54.84	+5.6270	+.0015	—62 22 28.6	− 0.095	+.820	19.6	21 28	62 5787	MZ 16951
3627	9.0	59 33.57	6.0717	.0010	65 58 30.6	− 0.038	.886	19.6	29 30	65 3594	
3628	8.0	59 55.15	6.0096	.0007	65 31 34.9	− 0.007	.877	20.3	25 31 179	65 3597	
3629	8.5	18 0 14.72	5.7148	.0005	63 9 43.4	+ 0.021	.834	19.6	26 32	63 4286	
3630	7.2	0 27.21	5.8825	.0003	64 33 23.3	+ 0 040	.858	22.3	102 112 199 201[e]	64 3796	
3631	9.0	18 0 52.29	+5.6843	+.0001	—62 53 35.3	+ 0.076	+.829	19.6	28 32	62 5791	
3632	8.9	1 0.46	5.9812	—.0003	65 18 57.7	0.088	.872	19.7	29 35	65 3603	
3633	8.2	1 17.10	5.6273	—.0002	62 22 38.5	0.112	.821	20.6	115 119	62 5792	
3634	4.9	1 21.49	5.7742	—.0004	63 40 23.3	0.118	.842	20.7	116 120	63 4292	F. π Pavonis
3635	9.1	1 29.62	5.8914	—.0006	64 37 36.6	0.131	.859	21.3	121 179 180	64 3801	
3636	9.3	18 1 44.24	+5.7698	—.0007	—63 38 8.5	+ 0.152	+.841	20.7	118 122	63 4296	
3637	9.0	1 52.45	5.6723	.0006	62 47 14.0	0.164	.827	20.6	110 112 113	62 5793	
3638	8.9	2 15.34	5.6228	.0009	62 20 14.2	0.197	.820	21.3	122 178 179	62 5795	
3639[e]	8.8	2 31.72	5.6962	.0011	63 0 2.4	0.221	.831	19.6	28 32	63 4302	
3640	8.7	2 51.83	6.0368	.0020	65 43 36.8	0.250	.880	19.7	29 31 35	65 3611	
3641	8.9	18 2 53.08	+5.9554	—.0019	—65 7 23.6	+ 0.252	+.868	20.6	115 119	65 3612	
3642	9.0	3 9.26	5.9700	.0021	65 14 1.6	0.276	.870	20.7	116 120	65 3615	
3643	6.1	3 27.78	5.5887	.0017	62 1 11.5	0.303	.815	20.7	117 121	62 5797	ε Pavonis
3644	9.0	3 46.03	5.8788	.0025	64 31 49.4	0.329	.857	20.7	118 122	64 3822	
3645[f]	9.1	4 17.14	5.6748	.0024	62 48 48.1	0.375	.827	20.6	110 112 113	62 5798	
3646	9.0	18 4 55.93	+5.7960	—.0032	—63 51 37.2	+ 0.431	+.845	21.3	114 179 180	63 4316	
3647	8.3	4 57.55	5.8133	.0033	64 0 9.8	0.434	.847	19.6	28 32	64 3826	
3648	9.0	5 37.55	5.7771	.0037	63 42 10.9	0.492	.842	19.7	29 30 35	63 4322	
3649	8.5	5 44.98	6.0376	.0046	65 44 14.4	0.503	.880	20.6	115 119	65 3627	
3650[g]	9.0	5 48.97	5.9690	.0045	65 13 52.1	0.509	.870	21.1	116 120 180 181	65 3629	D

(a) *p* 4ª = δ. (b) *p* 4ª ✱ 9.5 0'88. (c) *p* 10ª ✱ 10.3 = δ. (d) *s* 6ª ✱ 9.2 1'5N. (e) *s* 2ª ✱ 9.4 1'8.
(f) *s* 8ª ✱ 10.0 1'6N y *s* 9ª ✱ 9.7 0'8N. (g) D *l p*. (e) 202.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	G. P. D.	Obser.
3651	9.1	18h 6m 20s.18	+5s.8462	−s.0045	−64°16′31″.4	+ 0″.554	+″.852	20.7	117 121	64°3832	
3652	9.1	6 41.21	5.9485	.0052	65 4 40.5	0.585	.867	20.7	118 122	65 3636	
3653	8.9	6 48.62	6.0538	.0056	65 51 24.9	0.596	.882	20.6	110 112	65 3637	
3654	9.0	6 56.48	5.7353	.0046	63 21 1.9	0.607	.836	19.6	28 32	63 4333	
3655	8.6	6 57.11	5.6910	.0045	62 57 49.6	0.608	.829	21.3	114 179 180	62 5808	
3656	7.5	18 7 3.37	+5.7772	−.0049	−63 42 28.6	+ 0.617	+.842	19.7	29 30 31 35	63 4334	D Lac 7561
3657	9.0	7 5.47	5.6904	.0046	62 57 31.7	0.620	.829	21.4	114 179 180 181	62 5811	
3658	7.9	7 6.41	5.9667	.0056	65 13 1.8	0.621	.870	20.7	116 120	65 3640	
3659	9.0	7 16.33	5.6643	.0046	62 43 31.9	0.636	.826	20.6	115 119	62 5812	
3660	6.7	8 33.36	5.7033	.0058	63 4 37.7	0.748	.831	20.7	117 121	63 4343	[Pavonis D L 7577, 21 G
3661[a]	9.3	18 8 41.05	+5.6456	−.0056	−62 33 43.7	+ 0.759	+.823	20.7	118 122	62 5817	D
3662	8.9	8 53.24	5.7297	.0061	63 18 33.1	0.777	.835	21.3	113 179 180	63 4346	
3663	8.5	9 11.31	5.7358	.0064	63 21 47.6	0.803	.836	21.3	114 179 180	63 4349	
3664	9.0	9 20.46	6.0365	.0079	65 44 28.7	0.817	.880	19.6	28 32	65 3650	
3665	8.9	11 20.66	5.9084	.0090	64 47 13.3	0.992	.860	19.7	30 35	64 3861	
3666	8.6	18 11 25.42	+5.6798	−.0078	−62 52 54.8	+ 0.999	+.827	20.6	115 119	62 5827	
3667	9.0	11 42.84	5.8226	.0088	64 6 11.9	1.024	.847	20.9	118 122 180	64 3862	
3668[b]	8.8	11 45.77	5.5795	.0075	61 57 43.0	1.028	.812	20.7	116 120	61 6125	
3669	8.5	11 46.79	5.7956	.0087	63 52 54.1	1.030	.844	20.7	117 121	63 4368	
3670	9.0	11 54.57	5.6748	.0081	62 50 25.1	1.041	.826	20.6	112 113	62 5828	
3671	9.0	18 12 19.65	+5.9956	−.0103	−65 27 13.7	+ 1.078	+.873	21.3	114 179 180	65 3660	
3672	6.7	12 25.04	5.7986	.0092	63 54 35.4	1.085	.844	19.6	28 32	63 4370	D Innes 249
3673	8.7	12 29.43	5.5657	.0079	61 50 2.6	1.092	.810	19.7	30 31 35	61 6128	
3674	8.9	13 38.74	5.9880	.0115	65 24 16.7	1.193	.871	20.6	115 119	65 3664	D
3675	9.0	13 42.33	6.0705	.0121	66 0 15.8	1.198	.883	21.7	117 121	66 3317	
3676	8.2	18 13 45.09	+5.6889	−.0096	−62 58 32.3	+ 1.202	+.828	20.7	116 120	62 5832	
3677	8.4	13 49.34	5.7235	.0098	63 16 47.9	1.208	.833	20.7	118 122	63 4380	
3678	8.1	14 10.87	5.6057	.0093	62 13 20.4	1.240	.815	20.6	110 112 113	62 5836	MZ 17966
3679	8.5	14 47.40	5.7663	.0108	63 39 8.7	1.293	.838	21.3	114 179 180	63 4384	
3680	8.7	14 53.96	6.0885	.0134	66 8 21.0	1.302	.885	20.2	32 34 118 122	66 3321	
3681	8.0	18 14 55.67	+5.7384	−.0108	−63 24 56.7	+ 1.305	+.834	19.7	30 31 35	63 4385	
3682	8.4	15 45.42	5.8580	.0123	64 24 49.7	1.377	.852	20.6	115 119	64 3881	
3683	8.8	15 47.95	5.7995	.0119	63 56 15.6	1.381	.843	21.0	116 120 179	63 4391	
3684[c]	7.9	15 59.55	5.6480	.0109	62 37 23.8	1.398	.821	20.7	117 121	62 5842	D Cape 35
3685	9.4	16 25.56	5.8995	.0132	64 44 48.9	1.436	.858	20.7	118 122	64 3885	
3686	8.2	18 16 42.92	+5.7377	−.0122	−63 25 19.1	+ 1.461	+.834	20.6	110 112 113	63 4398	
3687	9.0	16 46.59	5.8209	.0128	64 7 15.7	1.466	.846	21.3	114 179 180	64 3888	
3688	8.7	17 11.96	5.9922	.0146	65 27 30.1	1.503	.871	19.6	28 32 34	65 3684	
3689	8.8	17 45.43	5.7160	.0128	63 14 31.0	1.552	.830	19.7	30 31 35	63 4401	
3690	7.9	18 10.73	5.6371	.0125	62 32 28.8	1.588	.819	20.6	115 119	62 5853	
3691	6.6	18 18 24.71	+5.6946	−.0131	−63 3 32.4	+ 1.609	+.827	21.0	116 120 179	63 4406	
3692	8.9	18 51.97	5.8449	.0137	64 19 53.3	1.648	.849	20.7	117 121	64 3900	
3693	9.1	18 59.45	5.8884	.0153	64 40 47.3	1.659	.855	20.7	118 122	64 3901	
3694	8.9	19 32.01	5.6031	.0132	62 14 19.9	1.706	.813	20.6	110 112 113	62 5858	
3695	9.0	20 12.39	5.6481	.0140	62 39 30.8	1.765	.820	21.3	114 179 180	62 5862	
3696	8.6	18 20 16.85	+5.8910	−.0164	−64 42 39.1	+ 1.772	+.855	19.6	28 32 34	64 3905	
3697	8.4	20 41.27	5.8462	.0163	64 21 26.9	1.807	.848	19.7	29 30 31 35	64 3907	
3698	8.2	20 53.88	5.7262	.0153	63 21 26.4	1.825	.831	20.6	115 119	63 4415	
3699	8.7	21 13.89	5.7868	.0161	63 52 30.5	1.854	.840	20.7	116 120	63 4416	
3700	9.0	21 14.11	5.5808	.0141	62 2 41.0	1.855	.810	20.7	118 122	62 5868	MZ 17990

[a] *e* D *t s*. [b] *s* 17ᵐ ✱ 9.8 0′38. [c] D *t p*.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3701	9.1	18h21m14s21	+5s8662	−s0169	−64°31′21″3	+ 1″855	+″851	20.7	117 121	64°3911	
3702	7.8	21 35.26	5.9575	.0182	65 14 2.7	1.885	.864	20.6	110 112 113	65 3710	
3703	8.8	21 45.15	5.6681	.0153	62 51 12.0	1.900	.822	21.3	111 179 180	62 5869	
3704	8.4	21 48.77	5.9687	.0185	65 19 15.2	1.905	.865	19.6	28 32 34	65 3711	
3705	8.6	22 21.90	5.8796	.0180	64 38 21.9	1.953	.852	19.7	29 30 31 35	64 3917	
3706	9.3	18 22 37.52	+5.6862	—.0162	−63 1 25.0	+ 1.976	+.824	20.6	115 119	63 4420	
3707	8.2	23 13.68	5.7056	.0168	63 12 1.1	2.028	.827	20.7	116 120	63 4421	
3708	8.9	23 54.79	5.8200	.0186	64 10 33.0	2.088	.843	20.7	117 121	64 3923	
3709	7.8	23 55.98	5.6924	.0172	63 5 29.4	2.090	.824	20.7	118 122	63 4422	
3710	8.7	24 11.74	5.8868	.0196	64 42 52.0	2.112	.853	20.6	110 112 113	64 3925	
3711	4.9	18 24 22.22	+5.6076	—.0167	−62 19 41.2	+ 2.128	+.812	20.6	111 114	62 5879	ν Pavonis
3712	9.0	24 28.87	5.8361	.0193	64 18 44.5	2.137	.845	19.6	28 32 34	64 3928	
2713	7.7	24 31.54	5.6097	.0168	62 20 58.5	2.141	.812	19.7	29 30 31 35	62 5881	
3714	8.7	24 40.78	5.6716	.0176	62 54 55.5	2.155	.821	20.6	115 119	62 5882	
3715	9.0	24 47.49	5.7094	.0181	63 15 1.6	2.164	.827	20.7	116 120	63 4423	
3716	7.8	18 25 26.22	+5.9631	—.0216	−65 18 52.3	+ 2.220	+.863	20.7	117 121	65 3731	
3717	8.7	27 9.36	6.0554	.0244	66 0 31.1	2.370	.876	20.7	118 122	66 3381	
3718	8.6	27 27.37	5.9580	.0233	65 17 53.1	2.396	.862	20.6	110 112 113	65 3739	
3719	9.3	27 36.69	5.5614	.0184	61 55 49.7	2.409	.804	20.6	111 114	61 6185	
3720	8.8	28 8.15	5.5935	.0192	62 14 27.1	2.455	.809	19.6	28 32 34	62 5891	MZ 18006
3721	8.6	18 28 21.23	+5.6501	—.0200	−62 45 55.3	+ 2.474	+.817	19.7	29 30 31 35	62 5893	
3722	9.0	28 40.85	5.6954	.0209	63 10 24.4	2.502	.823	21.0	116 120 179	63 4429	
3723	8.6	28 43.01	5.9954	.0249	65 35 28.4	2.505	.866	20.6	115 119	65 3740	
3724	8.7	29 4.42	5.9916	.0252	65 34 3.4	2.536	.866	21.0	117 121 179	65 3741	
3725	8.9	29 24.73	5.7852	.0226	63 57 6.7	2.566	.836	20.7	118 122	63 4432	
3726	9.2	18 30 36.37	+5.9275	—.0256	−65 6 15.4	+ 2.669	+.856	20.6	110 112 113	65 3743	
3727	9.0	31 38.11	5.6894	.0230	63 9 36.0	2.758	.821	19.6	28 32 34	63 4436	
3728	8.8	31 40.80	5.7219	.0235	63 26 40.5	2.762	.826	19.7	29 30 31 35	63 4437	
3729	8.9	31 42.16	5.8930	.0260	64 51 7.0	2.764	.850	20.6	111 114	64 3935	
3730	8.0	31 49.23	5.9025	.0263	64 55 38.4	2.774	.851	20.6	115 119	64 3936	Pavonis L 7744
3731	9.3	18 32 15.34	+5.8331	—.0256	−64 22 57.6	+ 2.812	+.841	20.7	117 121	64 3937	
3732	8.0	32 15.36	6.0392	.0288	65 57 16.6	2.812	.871	20.7	116 120	65 3746	
3733	7.8	32 42.32	5.8835	.0267	64 47 27.4	2.851	.848	20.7	118 122	64 3938	
3734	9.3	32 59.32	5.6545	.0235	62 52 5.2	2.876	.815	20.6	110 112	62 5907	
3735	8.8	33 7.56	5.6338	.0234	62 40 58.3	2.887	.812	20.9	111 114 179	62 5909	
3736	8.3	18 33 17.92	+5.5811	—.0227	−62 11 46.4	+ 2.902	+.804	19.7	29 30 31 35	62 5911	
3737	9.0	33 20.85	5.8728	.0271	64 42 56.4	2.907	.846	19.7	28 32 34	64 3939	
3738	9.1	33 33.47	5.6457	.0238	62 47 51.0	2.925	.813	20.6	115 119	62 5914	
3739	8.8	33 42.10	5.6160	.0235	62 31 42.1	2.937	.809	20.7	116 120	62 5917	
3740	9.1	34 6.84	5.7364	.0256	63 36 13.4	2.973	.826	21.0	117 121 179	63 4438	
3741[a]	8.8	18 34 27.06	+5.5667	—.0233	−62 4 41.4	+ 3.002	+.801	20.7	118 122	62 5922	
3742	8.9	34 45.44	5.6488	.0248	62 50 37.4	3.028	.813	20.6	110 112 113	62 5924	
3743	8.7	34 45.95	5.8294	.0276	64 23 18.8	3.029	.839	20.6	111 114	64 3940	
3744	8.8	34 47.77	5.5585	.0234	62 0 20.6	3.032	.800	19.7	29 30 31 35	62 5926	
3745	8.4	34 51.61	5.8515	.0280	64 34 6.0	3.037	.842	19.6	28 32 34	64 3941	
3746	9.0	18 34 55.33	+5.6650	—.0252	−62 59 30.2	+ 3.043	+.815	20.6	115 119	63 4439	
3747	6.9	35 3.10	5.8693	.0285	64 42 45.1	3.054	.845	20.7	116 120	64 3942	
3748[b]	8.9	35 15.62	5.6080	.0245	62 28 41.2	3.072	.807	21.3	121 179 180	62 5930	
3749	8.9	35 29.31	5.5988	.0245	62 23 46.4	3.092	.805	20.7	118 122	62 5931	MZ 18023
3750	9.3	35 53.93	5.7455	.0272	63 42 33.6	3.127	.827	20.6	110 112 113 114	63 4441	

(a) p 10ᵉ ★ 9.8 0′1N y s 5ᵉ ★ 9.8 0′68. (b) p 15ᵉ ★ 9.1 0′38.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3751	8.6	18h35m59s.26	+5s.5801	−s.0246	−62°13′47″.0	+ 3″.135	+″.803	19.6	28 32 34	62°5938	
3752	8.3	36 0.94	5.7454	.0273	63 42 35.7	3.137	.826	20.6	111 113 114	63 4442	
3753	8.8	36 6.89	5.6147	.0252	62 33 13.4	3.146	.807	19.7	29 30 31 35	62 5940	
3754	6.4	36 18.71	5.8556	.0293	64 37 22.7	3.163	.842	20.6	115 119	64 3943	
3755	8.8	36 36.61	5.7833	.0283	64 2 19.3	3.189	.831	20.7	116 120	64 3944	
3756	9.1	18 36 45.16	+5.8566	−.0297	−64 38 15.1	+ 3.201	+.842	20.7	117 121	64 3945	
3757	8.9	37 1.96	5.8777	.0303	64 48 34.1	3.225	.845	21.0	118 122 179	64 3946	
3758	8.6	37 31.39	5.8424	.0301	64 32 11.0	3.267	.839	20.6	110 112 113	64 3947	
3759	9.3	37 41.33	5.9244	.0317	65 10 55.6	3.282	.851	20.6	111 114	65 3751	
3760	4.8	38 5.30	5.8928	.0315	64 56 37.7	3.316	.846	19.6	28 32 34	64 3948	Pavonis L 7785. 39 G
3761	8.8	18 38 7.03	+6.0454	−.0343	−66 5 0.7	+ 3.319	+.868	19.7	29 30 31 35	66 3390	
3762	8.9	38 15.40	5.8913	.0316	64 56 8.2	3.331	.846	20.6	115 119	64 3950	
3763	8.6	38 19.29	5.6044	.0267	62 29 43.1	3.336	.805	20.7	116 120	62 5951	
3764	8.3	38 35.94	5.8835	.0318	64 52 46.3	3.360	.845	20.7	117 121	64 3951	
3765	8.1	39 17.92	5.7876	.0306	64 7 7.1	3.421	.830	21.0	118 122 179	64 3953	
3766	7.6	18 39 27.51	+5.9398	−.0335	−65 19 40.8	+ 3.434	+.852	20.6	110 112 113	65 3752	
3767	9.0	40 2.27	5.8058	.0315	64 16 52.9	3.484	.832	20.6	111 114	64 3955	
3768	8.2	40 6.99	5.6353	.0285	62 48 37.9	3.491	.808	19.7	29 30 31 35	62 5959	
3769	9.0	40 8.47	5.7067	.0298	63 26 46.5	3.493	.818	19.6	28 32 34	63 4447	
3770	8.6	40 34.47	5.6119	.0284	62 36 18.4	3.531	.804	20.6	115 119	62 5960	
3771	8.9	18 40 34.99	+5.5530	−.0274	−62 3 7.4	+ 3.531	+.796	20.7	116 120	62 5961	
3772[a]	8.7	40 43.11	5.6607	.0294	63 3 3.3	3.543	.811	20.7	117 121	63 4449	
3773	7.4	41 8.41	5.5790	.0283	62 18 32.3	3.579	.799	20.7	118 122	62 5963	
3774	9.2	41 12.43	5.9176	.0346	65 11 17.7	3.585	.848	20.6	110 112 113	65 3753	
3775	5.6	41 15.82	5.9135	.0346	65 9 27.1	3.590	.847	20.6	111 114	65 3754	Θ Pavonis
3776	8.5	18 41 27.38	+5.8328	−.0332	−64 31 33.0	+ 3.606	+ 835	19.7	28 32 34	64 3958	
3777	7.8	41 57.22	5.6922	.0309	63 21 7.9	3.649	.815	19.7	29 30 31 35	63 4451	
3778	9.1	42 7.29	5.6395	.0301	62 53 9.7	3.664	.807	21.0	115 119 179	62 5968	
3779	8.5	42 12.57	5.8748	.0346	64 52 23.3	3.671	.841	20.7	116 120	64 3960	
3780[b]	8.4	42 13.56	5.5923	.0293	62 27 15.4	3.673	.800	20.7	117 121	62 5969	MZ 18044
3781[c]	8.6	18 42 54.27	+5.5693	−.0293	−62 15 5.4	+ 3.731	+.796	20.7	118 122	62 5971	
3782	8.8	43 6.60	5.7668	.0333	64 0 47.9	3.749	.825	20.6	110 112 113	64 3961	
3783	9.1	44 15.63	5.5690	.0303	62 16 31.4	3.847	.795	20.6	111 114	62 5976	
3784	8.5	44 20.21	5.6378	.0317	62 54 49.6	3.854	.805	19.6	28 34	62 5977	
3785	7.9	44 30.92	5.6176	.0314	62 43 58.8	3.869	.802	19.7	29 30 31 35	62 5979	
3786	8.3	18 44 37.30	+5.7525	−.0342	−63 55 17.5	+ 3.878	+.821	20.6	115 119	63 4453	
3787	8.8	44 49.67	5.8438	.0363	64 40 32.9	3.896	.834	20.7	116 120	64 3962	
3788	4.3	45 16.27	5.5668	.0310	62 16 33.7	3.934	.794	20.7	117 121	62 5983	D F. 2 Pavonis
3789	8.7	45 36.10	5.7373	.0346	63 48 45.4	3.962	.819	20.7	118 122	63 4456	
3790	8.8	46 6.01	5.8799	.0381	64 59 11.4	4.005	.839	20.6	110 112 113	65 3760	MZ 42501
3791	8.3	18 47 52.52	+5.8042	−.0379	−64 25 1.5	+ 4.157	+.826	20.6	111 114	64 3965	MZ 22917
3792	9.0	48 40.81	5.5524	.0332	62 12 41.5	4.226	.790	20.3	34 117 121	62 5994	
3793	8.0	49 15.39	5.9481	.0424	65 34 17.5	4.275	.846	19.7	29 30 31 35	65 3961	
3794	7.3	49 29.93	5.5198	.0330	61 54 56.2	4.296	.784	20.6	115 119	61 6282	D h 5069
3795	7.2	49 53.76	5.6232	.0355	62 53 54.7	4.330	.799	20.7	116 120	62 6002	
3796	9.1	18 49 58.59	+5.7785	−.0391	−64 14 59.0	+ 4.337	+.821	21.0	117 121 179	64 3965	
3797	8.5	50 14.97	5.6870	.0372	63 28 35.4	4.360	.808	20.7	118 122	63 4461	
3798[d]	8.7	50 47.47	6.0023	.0451	66 0 12.9	4.406	.852	20.6	110 112 113	66 3402	D Gilliss 248
3799	7.5	51 16.86	5.7570	.0396	64 5 56.8	4.448	.817	20.6	111 114	64 3967	
3800	8.7	51 56.74	5.8320	.0420	64 43 44.6	4.505	.827	20.3	34 116 120	64 3968	

(a) p 24s ★ 9.6 0′28. (b) s 12s ★ 9.2 1′N. (c) s 10s ★ 9.4 1′S. (d) D t p.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3801	8.2	18h52m58ˢ.99	+ˢ.5918	−ˢ.0371	−62°40′52″.5	+ 4″.593	+″.792	19.7	29 30 31 35	62°6009	
3802	8.7	53 14.56	5.6375	.0384	63 6 17.5	4.615	.798	20.6	115 119	63 4463	
3803	8.0	54 4.22	5.6203	.0386	62 58 8.5	4.686	.795	20.7	116 120	63 4465	
3804	8.4	54 17.51	5.6738	.0400	63 27 13.5	4.704	.802	20.7	117 121	63 4466	
3805[a]	8.9	54 41.43	5.5032	.0363	61 52 42.3	4.738	.778	20.7	108 122	61 6298	
3806	8.3	18 54 47.01	+5.8576	−.0450	−64 59 48.5	+ 4.746	+.828	20.6	110 112 113	65 3762	
3807	9.0	55 4.35	5.5142	.0369	61 59 45.9	4.771	.779	20.6	111 114	62 6016	
3808	9.0	55 9.69	5.6068	.0391	62 52 22.0	4.778	.792	19.7	32 34	62 6017	
3809	7.8	55 22.09	5.8595	.0456	65 1 33.4	4.796	.828	19.7	29 30 31 35	65 3763	
3810	7.7	56 2.79	5.6191	.0401	63 0 28.5	4.854	.793	20.6	115 119	63 4467	
3811	8.5	18 56 35.98	+5.5878	−.0397	−62 44 3.1	+ 4.900	+.788	20.7	116 120	62 6018	
3812	8.4	56 36.15	5.5556	.0389	62 25 55.4	4.901	.784	20.7	117 121	62 6019	MZ 18073
3813	7.0	56 58.06	5.7168	.0432	63 53 36.2	4.932	.806	20.7	118 122	63 4469	D *h* 5075
3814	8.6	58 7.20	5.6643	.0428	63 27 56.4	5.029	.798	20.6	110 112 113	63 4471	
3815	8.1	58 29.44	5.4855	.0385	61 48 13.3	5.061	.772	20.6	111 114	61 6318	
3816	7.3	18 58 50.86	+5.7069	−.0444	−63 51 25.2	+ 5.091	+.803	19.7	33 34	63 4472	
3817[b]	8.0	58 59.46	5.6239	.0424	63 7 37.3	5.103	.791	19.7	29 30 31 35	63 4473	
3818	9.0	59 48.48	5.6659	.0441	63 31 27.9	5.172	.796	20.6	115 119	63 4477	
3819	7.8	19 0 26.36	5.5270	.0410	62 15 44.9	5.225	.776	20.7	116 120	62 6033	
3820[c]	8.6	0 29.92	5.5623	.0419	62 35 59.7	5.230	.781	20.7	117 121	62 6034	
3821	8.8	19 0 35.26	+5.8450	−.0497	−65 2 24.8	+ 5.237	+.821	20.7	118 122	65 3765	
3822	8.9	1 4.83	5.8732	.0509	65 16 27.5	5.279	.824	20.6	110 112 113	65 3769	
3823	7.9	1 34.52	5.9204	.0527	65 38 58.4	5.320	.830	20.6	111 114	65 3770	
3824	8.9	2 6.74	5.4769	.0408	61 49 11.6	5.366	.767	19.7	33 34	61 6337	
3825	9.0	2 49.59	5.4754	.0413	61 49 33.7	5.426	.766	19.7	29 30 31 35	61 6339	
3826	9.1	19 3 17.79	+5.8670	−.0527	−65 17 4.2	+ 5.465	+.821	20.6	115 119	65 3773	
3827	8.3	3 21.51	5.4749	.0416	61 50 13.1	5.471	.766	20.7	116 120	61 6340	
3828	7.9	3 32.27	5.8440	.0522	65 6 38.7	5.486	.818	20.7	117 121	65 3774	Pavonis G 26139
3829	8.9	3 53.94	5.6741	.0476	63 42 31.0	5.516	.793	20.7	118 122	63 4486	
3830	8.3	3 55.65	5.7565	.0500	64 24 45.0	5.518	.805	20.6	110 112 113	64 3976	
3831	7.4	19 3 59.11	+5.9588	−.0561	−65 59 55.2	+ 5.523	+.833	20.6	111 114	66 3413	
3832	8.6	4 21.45	5.4957	.0429	62 4 17.3	5.555	.768	19.7	29 30 31 35	62 6046	
3833	8.8	4 24.41	5.7972	.0516	64 45 35.9	5.559	.810	19.7	32 33 34	64 3977	
3834[d]	8.8	5 36.85	5.8577	.0544	65 16 33.2	5.660	.817	21.2	115 119 179 183	65 3778	
3835	8.9	5 45.38	5.6657	.0487	63 41 19.0	5.672	.790	20.7	116 120	63 4488	
3836	8.9	19 6 2.91	+5.8706	−.0552	−65 23 17.3	+ 5.697	+.819	20.7	117 121	65 3780	
3837	7.9	6 6.51	5.7006	.0501	64 0 9.5	5.702	.795	20.7	118 122	64 3979	
3838	7.0	6 35.77	5.5914	.0472	63 2 48.4	5.743	.779	20.6	110 112 113	63 4489	
3839	8.3	6 49.33	5.5541	.0463	62 42 22.3	5.761	.773	20.6	111 114	62 6049	
3840	8.9	6 58.21	5.6124	.0482	63 14 58.6	5.774	.782	19.7	32 33 34	63 4491	
3841	9.1	19 7 2.87	+5.6825	−.0503	−63 52 26.9	+ 5.780	+.791	19.7	29 30 31 35	63 4492	
3842	9.0	7 26.30	5.6484	.0496	63 35 9.9	5.813	.786	21.1	115 119 179 180	63 4493	
3843	8.5	7 39.02	5.5148	.0458	62 21 26.7	5.831	.767	20.7	116 120	62 6051	
3844	8.1	7 43.68	5.7733	.0536	64 39 37.1	5.837	.803	20.7	117 121	64 3981	
3845	8.9	8 13.34	5.5988	.0487	63 9 48.9	5.879	.778	20.7	118 122	63 4496	
3846	9.1	19 8 15.21	+5.6967	−.0517	−64 1 56.1	+ 5.881	+.792	20.6	110 112 113	64 3982	
3847	8.7	8 51.54	5.8051	.0556	64 57 7.4	5.932	.806	20.6	111 114	65 3781	
3848	8.9	9 7.60	5.8867	.0585	65 36 1.6	5.954	.817	19.7	33 34	65 3782	
3849	8.8	9 9.47	5.7224	.0532	64 16 45.4	5.957	.794	19.7	29 30 31 35	64 3984	
3850	8.3	9 12.38	5.5269	.0473	62 31 23.5	5.961	.767	21.1	115 119 179 180	62 6057	

(a) *s* 5ˢ 0′2N. (b) *p* 23ˢ 0′1N. (c) *s* 1ˢ ✱ 9.6 0′58. (d) *s* 20ˢ 1′N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3851	8.4	19h 9m33s.44	+3s.6137	−s.0501	−63°20′28″.6	+ 5″.990	+″.779	20.7	116 120	63°4498	
3852	9.0	9 34.46	5.4852	.0463	62 7 51.9	5.992	.761	20.7	117 121	62 6058	
3853	6.7	9 43.10	5.8532	.0579	65 21 31.9	6.004	.812	20.7	118 122	65 3783	
3854	7.3	10 20.40	5.4638	.0462	61 56 42.1	6.056	.757	20.6	110 112 113	62 6059	
3855	9.2	11 12.01	5.5587	.0497	62 53 14.8	6.127	.769	20.6	111 114	62 6063	
3856	7.7	19 12 25.50	+5.5676	−.0509	−63 0 39.7	+ 6.229	+.769	21.1	115 119 179 180	63 4504	
3857	8.9	12 25.62	5.5405	.0501	62 45 26.3	6.229	.765	19.7	33 34	62 6065	
3858	8.2	12 26.82	5.5497	.0504	62 50 39.9	6.231	.767	19.7	29 30 31 35	62 6066	
3859	8.8	12 31.05	5.5421	.0502	62 46 31.7	6.237	.766	20.7	116 120	62 6067	
3860	7.7	12 51.01	5.5683	.0513	63 1 54.3	6.264	.769	21.0	117 121 179	63 4506	D Innes 114
3861	8.8	19 12 55.20	+5.5549	−.0509	−62 54 33.1	+ 6.270	+.767	20.7	118 122	62 6068	
3862	8.4	13 12.72	5.5984	.0525	63 19 14.2	6.294	.772	20.6	110 112 113	63 4507	
3863.	8.9	13 18.56	5.6308	.0536	63 36 56.5	6.303	.777	20.6	111 114	63 4508	
3864	8.7	13 24.62	5.5895	.0524	63 14 45.3	6.311	.771	20.3	33 34 179	63 4509	
3865[a]	8.7	13 59.88	5.6724	.0555	64 0 14.6	6.360	.782	19.7	29 30 35	64 3985	
3866	8.9	19 14 23.14	+5.8140	−.0607	−65 11 39.0	+ 6.392	+.801	21.1	115 119 179 180	65 3788	
3867	8.3	14 53.10	5.5871	.0534	63 16 24.1	6.433	.769	20.7	116 120	63 4510	
3868	8.9	14 56.22	5.9259	.0651	66 4 23.3	6.438	.816	21.0	117 121 180	66 3424	
3869	8.6	15 45.33	5.8260	.0623	65 20 0.7	6.505	.801	20.7	118 122	65 3789	
3870	7.5	16 3.93	5.8745	.0643	65 43 15.2	6.531	.807	20.6	110 112 113	65 3790	Pavonis L 8042
3871	9.0	19 16 7.75	+5.4460	−.0498	−61 57 57.0	+ 6.536	+.748	20.6	111 114	62 6074	
3872	8.9	16 14.92	5.5487	.0532	62 57 52.4	6.546	.762	21.1	115 119 179 180	63 4512	
3873	8.9	16 29.30	5.5249	.0526	62 44 55.5	6.566	.759	19.7	29 30 31 35	62 6077	
3874	8.8	16 32.29	5.5290	.0527	62 47 20.5	6.570	.759	21.2	115 119 179 183	62 6078	
3875	8.6	16 32.75	5.8513	.0639	65 33 26.5	6.571	.804	20.7	116 120	65 3791	
3876	8.3	19 16 39.81	+5.5868	−.0548	−63 19 56.1	+ 6.581	+.767	20.7	118 122	63 4513	
3877	8.9	16 41.51	5.8809	.0651	65 47 22.8	6.583	.807	20.7	117 121	65 3792	
3878	8.9	16 58.98	5.5503	.0538	63 0 19.3	6.607	.761	20.6	110 112 113	63 4514	
3879	8.8	17 0.68	5.5614	.0542	63 6 35.0	6.609	.763	20.3	33 111 114	63 4515	
3880	7.1	17 17.68	5.5639	.0545	63 8 34.9	6.633	.763	21.0	34 183 184	63 4516	
3881	8.6	19 17 26.66	+5.6029	−.0559	−63 30 21.0	+ 6.645	+.768	19.7	29 30 31 35	63 4518	
3882	8.6	17 36.68	5.8881	.0662	65 52 29.3	6.659	.807	21.7	179 180 183	65 3794	
3883	9.3	17 47.29	5.5272	.0536	62 48 57.7	6.673	.757	20.7	116 120	62 6079	
3884	9.1	18 12.03	5.5151	.0535	62 42 59.4	6.707	.755	20.7	117 121	62 6080	
3885	7.6	18 53.63	5.4727	.0526	62 19 49.4	6.764	.749	20.6	110 112 113	62 6081	D Innes 115
3886	8.7	19 18 55.17	+5.8819	−.0672	−65 52 15.1	+ 6.767	+.805	20.7	118 122	65 3795	
3887	7.5	19 7.35	5.8131	.0648	65 20 37.6	6.783	.795	20.6	111 114	65 3796	
3888	9.3	19 23.02	5.4617	.0526	62 14 26.4	6.805	.747	19.7	29 30 31 35	62 6083	
3889	7.9	19 25.51	5.5811	.0567	63 22 40.2	6.808	.763	20.3	33 34 180	63 4520	
3890	8.3	19 45.72	5.8293	.0660	65 29 34.0	6.836	.796	21.1	115 119 179 180	65 3797	
3891	9.3	19 19 48.20	+5.4846	−.0537	−62 28 48.9	+ 6.839	+.749	21.0	117 121 184	62 6085	
3892	8.3	19 50.35	5.8720	.0677	65 49 33.9	6.842	.802	20.7	116 120	65 3798	
3893[b]	8.8	20 15.51	5.7738	.0644	65 4 4.5	6.877	.788	20.7	118 122	65 3799	
3894[c]	9.1	21 30.31	5.8670	.0690	65 50 44.0	6.979	.799	20.6	110 112 113	65 3800	
3895	9.1	21 34.22	5.5363	.0568	63 2 28.4	6.984	.754	20.6	111 114	63 4522	
3896	8.8	19 22 22.12	+5.7609	−.0656	−65 2 15.6	+ 7.050	+.783	19.7	33 34	65 3802	
3897[d]	9.8	22 25.69	5.5256	.0570	62 58 23.6	7.055	.751	23.6	202	63 4523	
3898	8.4	22 28.15	5.5221	.0570	62 56 28.4	7.058	.751	21.2	115 119 179 180(1)	63 4524	
3899	8.6	22 31.87	5.5242	.0571	62 57 47.9	7.063	.751	20.7	29 30 31 35(2)	63 4525	
3900	8.7	26 5.09	5.8006	.0705	65 29 32.2	7.353	.784	20.7	117 121	65 3805	

(a) s ✱✱ N y S. (b) s 15ª 1′N. (c) s 15ª = δ. (d) s 4ª ✱ 8.4 2′N y s 8ª ✱ 8.6 1′N. (1) 183. (2) 116, 120.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3901	7.9	19h26 53s.77	+3s.5331	−s.0607	−63°13′ 5″.3	+ 7″.419	+″.747	20.7	118 122	63°4527	
3902	8.1	27 29.55	5.7566	.0700	65 11 32.4	7.468	.776	20.6	110 112 113	65 3806	
3903	9.3	27 43.06	5.5253	.0610	63 10 41.0	7.486	.744	20.3	34 116 120	63 4528	
3904	7.9	27 44.95	5.4593	.0585	62 32 39.9	7.488	.735	20.6	111 114	62 6089	
3905	8.4	28 37.15	5.4944	.0605	62 55 17.3	7.559	.739	19.7	29 30 31 35	63 4530	
3906	7.9	19 29 3.82	+5.3794	−.0565	−61 47 39.9	+ 7.595	+.723	20.6	115 119	61 6384	
3907[a]	8.3	29 32.98	5.8405	.0753	65 56 7.4	7.634	.784	20.6	116 120	66 3441	
3908	8.7	31 10.92	5.6335	.0680	64 18 2.9	7.766	.754	20.7	117 121	64 3997	
3909	7.7	31 11.77	5.6088	.0671	64 4 59.9	7.767	.751	20.7	118 122	64 3998	
3910	8.7	31 26.31	5.3849	.0584	61 57 14.7	7.787	.720	20.6	110 112 113	62 6094	MZ 18146
3911	8.1	19 31 56.60	+5.4942	−.0630	−63 3 32.9	+ 7.827	+.734	20.6	111 114	63 4535	
3912	7.7	32 32.28	5.6739	.0708	64 42 16.7	7.875	.758	20.3	33 118 122	64 3999	
3913	9.1	33 21.85	5.4958	.0641	63 8 9.7	7.941	.733	20.6	115 119	63 4537	
3914	8.3	33 30.21	5.6352	.0701	64 24 43.1	7.953	.751	20.7	116 120	64 4000	
3915	8.7	34 16.26	5.7078	.0738	65 3 42.6	8.014	.760	20.7	117 121	65 3812	
3916	6.8	19 34 22.06	+5.8276	−.0792	−66 1 34.2	+ 8.022	+.776	20.7	118 122	66 3447	Pavonis L 8141
3917	8.3	34 29.00	5.4766	.0642	63 0 1.8	8.031	.728	20.6	110 112 113	63 4538	
3918	8.3	34 43.88	5.3746	.0603	61 59 41.5	8.051	.714	20.6	111 114	62 6096	
3919	8.8	36 48.03	5.3462	.0606	61 47 39.9	8.217	.708	20.3	35 117 121	61 6400	
3920	9.2	37 53.66	5.7607	.0794	65 38 48.2	8.304	.761	19.7	33 34	65 3818	
3921	9.2	19 38 25.30	+5.7040	−.0773	−65 12 26.4	+ 8.346	+.753	19.7	29 30 35	65 3819	
3922	8.9	38 46.98	5.4794	.0676	63 13 19.3	8.375	.722	20.6	115 119	63 4541	
3923	8.5	39 38.78	5.4434	.0668	62 54 51.1	8.443	.716	20.7	116 120	63 4543	
3924	8.7	39 55.60	5.7265	.0797	65 27 28.7	8.465	.753	20.7	117 121	65 3821	
3925	8.9	40 19.79	5.3477	.0632	61 58 42.6	8.497	.703	20.6	110 112 113	62 6104	
3926	7.1	19 40 21.44	+5.4119	−.0659	−62 38 7.4	+ 8.499	+.711	20.7	118 122	62 6103	
3927	8.3	40 46.27	5.4921	.0697	63 26 8.9	8.532	.721	20.6	111 114	63 4544	
3928	8.7	41 58.65	5.7841	.0843	66 0 35.0	8.627	.758	20.3	33 34 179	66 3454	
3929	8.8	42 8.87	5.3816	.0659	62 24 59.3	8.641	.705	19.7	29 30 35	62 6106	
3930	7.4	42 27.89	5.3397	.0644	61 59 56.4	8.666	.699	20.7	116 120	62 6108	Lac 8194 D h 5141,
3931	8.7	19 42 28.48	+5.7589	−.0835	−65 49 56.7	+ 8.667	+.754	20.6	115 119	65 3823	
3932	8.7	42 36.26	5.6645	.0791	65 3 48.7	8.677	.741	20.7	117 121	65 3824	
3933	8.9	42 44.93	5.3205	.0637	61 48 41.1	8.688	.696	20.7	118 122	61 6408	
3934[b]	8.0	42 45.95	5.6674	.0794	65 5 44.0	8.690	.741	20.6	110 112 113	65 3825	D Pavon. L 8190
3935	7.9	43 12.01	5.4099	.0679	62 45 14.5	8.724	.707	20.6	111 114	62 6109	
3936	8.1	19 43 35.59	+5.3881	−.0673	−62 33 12.6	+ 8.755	+.703	19.7	33 34	62 6112	MZ 18167
3937	8.1	43 47.86	5.5527	.0749	64 8 27.8	8.771	.724	20.6	115 119	64 4004	
3938	6.7	43 51.16	5.7458	.0842	65 47 25.4	8.775	.750	19.7	29 30 31 35	65 3827	
3939	8.2	43 55.49	5.5962	.0770	64 32 8.6	8.781	.730	20.7	116 120	64 4005	
3940	8.2	45 29.15	5.5461	.0760	64 9 44.3	8.904	.721	20.7	117 121	64 4007	
3941	8.8	19 45 33.04	+5.7499	−.0859	−65 54 4.4	+ 8.909	+.718	20.7	118 122	66 3461	
3942	7.7	46 53.51	5.4956	.0747	63 45 56.6	9.014	.712	20.6	110 112 113	63 4548	
3943	9.0	47 15.21	5.6888	.0844	65 29 4.7	9.042	.737	20.6	111 114	65 3830	
3944	8.6	47 35.50	5.5522	.0780	64 19 14.7	9.068	.718	19.7	33 34	64 4009	
3945	8.9	48 5.35	5.6598	.0837	65 16 58.9	9.107	.732	19.7	29 30 35	65 3831	
3946	8.7	19 48 49.23	+5.4274	−.0730	−63 12 36.7	+ 9.164	+.700	20.6	115 119	63 4549	
3947	8.7	48 56.88	5.5293	.0780	64 10 50.2	9.174	.713	20.7	116 120	64 4012	
3948	8.7	49 36.24	5.7050	.0874	65 43 49.9	9.225	.735	20.7	117 121	65 3833	MZ 32693
3949	8.9	49 43.62	5.4242	.0735	63 13 34.0	9.234	.698	20.7	118 122	63 4551	
3950	8.6	50 1.66	5.4687	.0759	63 40 16.3	9.258	.704	20.6	110 112 113	63 4552	

(a) p 2ª ★ 9.3 2′8. (b) D h 5140.

N°	M.	α 1925.0	Prec.	Var. Sec	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
3951[a]	9.3	19h 50m 26s.06	+5s.3496	+s.0711	−62° 30′ 50″.2	+ 9″.289	+″.688	20.6	111 114	62°6119	
3952	8.7	50 30.82	5.2837	.0675	61 49 22.3	9.295	.679	19.7	33 34	61 6431	
3953	8.1	51 9.96	5.6576	.0863	65 24 56.2	9.346	.726	19.7	29 30 35	65 3834	
3954	7.8	51 47.66	5.4236	.0751	63 19 44.5	9.395	.695	20.6	115 119	63 4555	
3955	7.9	52 10.56	5.4914	.0788	63 59 46.9	9.424	.703	20.7	116 120	64 4015	
3956	8.8	19 52 25.57	+5.4978	−.0793	−64 4 10.2	+ 9.443	+.703	20.7	117 121	64 4016	
3957	6.9	54 1.56	5.5928	.0855	65 0 27.6	9.567	.713	20.7	118 122	65 3836	Pavonis L 8254
3958	8.7	55 6.90	5.5054	.0819	64 16 55.7	9.650	.700	20.6	110 112 113	64 4018	
3959	8.3	55 51.76	5.4244	.0784	63 33 26.0	9.707	.688	20.6	111 114	63 4559	
3960	8.6	55 55.46	5.4629	.0804	63 55 47.3	9.712	.693	19.7	29 30 35	64 4019	
3961	9.0	19 55 59.21	+5.3463	−.0745	−62 47 4.6	+ 9.717	+.678	20.0	33 34 116	62 6127	
3962	8.5	56 19.32	5.6360	.0899	65 29 51.8	9.742	.714	20.6	115 119	65 3839	
3963	8.7	57 1.71	5.3086	.0734	62 27 9.7	9.796	.671	21.0	120 123 179	62 6130	
3964	8.7	57 42.83	5.3125	.0741	62 31 59.8	9.849	.671	20.7	117 121	62 6131	MZ 18595
3965	8.3	57 51.43	5.6347	.0911	65 34 3.6	9.860	.711	20.7	118 122	65 3839	
3966	7.5	19 58 27.06	+5.3807	−.0781	−63 16 20.5	+ 9.905	+.678	20.6	110 112 113	63 4561	D *h* 5163
3967	8.3	59 12.35	5.6810	.0950	66 1 23.5	9.962	.715	20.6	111 114	66 3470	
3968	8.6	59 34.75	5.5640	.0888	65 3 10.6	9.991	.699	19.7	33 34	65 3840	
3969	8.9	20 0 6.18	5.6061	.0916	65 26 48.2	10.030	.704	19.7	29 30 35	65 3841	
3970[b]	8.7	0 49.98	5.3338	.0775	62 56 10.1	10.085	.668	19.7	33 34	63 4562	
3971	9.0	20 2 39.33	+5.2710	−.0756	−62 23 13.7	+10.223	+.657	19.7	35 37	62 6142	
3972	8.4	3 17.40	5.4138	.0837	63 52 40.1	10.271	.674	20.9	113 115 122 183	64 4025	
3973	6.9	3 26.51	5.4091	.0836	63 50 30.8	10.282	.673	20.7	116 120 123	63 4564	
3974	9.0	4 12.44	5.4778	.0880	64 32 13.0	10.339	.680	20.7	121 124 125	64 4027	
3975	9.0	4 18.95	5.3869	.0831	63 40 35.7	10.348	.668	19.7	33 34 39	63 4565	
3976	7.9	20 4 36.49	+5.4353	−.0860	−64 9 45.4	+10.369	+.674	19.7	35 37	64 4029	
3977[c]	8.6	4 39.86	5.5083	.0901	64 50 34.9	10.374	.683	20.9	113 115 119 183	64 4030	
3978	9.3	5 4.15	5.4155	.0852	64 0 0.8	10.404	.671	20.7	116 120 123	64 4031	
3979[d]	7.6	5 7.94	5.3985	.0843	63 50 21.3	10.409	.668	20.7	121 124 125	63 4566	D *h* 5167
3980	8.5	5 50.02	5.4186	.0860	64 4 32.2	10.461	.670	19.7	33 34 39	64 4032	
3981[e]	8.6	20 6 4.34	+5.3221	−.0809	−63 7 55.5	+10.479	+.657	20.4	35 113 115 119	63 4569	
3982	9.0	7 14.52	5.4110	.0868	64 5 18.6	10.566	.666	20.7	116 120 123	64 4034	
3983	8.9	7 14.83	5.5346	.0939	65 13 48.1	10.566	.682	20.7	121 124 125	65 3845	
3984	7.4	7 15.12	5.1891	.0746	61 46 29.5	10.567	.639	20.6	113 115 119	61 6467	
3985	7.6	7 33.36	5.2733	.0794	62 42 58.3	10.589	.648	19.7	33 34 39	62 6146	
3986	6.9	20 7 47.04	+5.4677	−.0905	−64 39 20.8	+10.606	+.672	19.7	35 37 38	64 4035	D *h* 5171
3987	6.2	7 47.48	5.3620	.0845	63 38 33.7	10.607	.659	21.0	113 119 183	63 4571	
3988[f]	7.8	7 53.98	5.2516	.0785	62 30 19.7	10.615	.645	20.7	116 120 123	62 6147	
3989	8.5	8 5.61	5.4402	.0891	64 25 6.7	10.629	.668	20.7	121 124 125	64 4036	
3990	7.9	8 30.42	5.5057	.0933	65 2 48.7	10.660	.676	19.7	33 34 39	65 3846	
3991	8.5	20 8 50.60	+5.4424	−.0899	−64 29 4.3	+10.685	+.667	19.7	35 37 38	64 4037	
3992	8.3	9 35.82	5.2311	.0786	62 23 35.6	10.740	.640	20.6	113 115 119	62 6150	DCZ 184
3993	8.7	10 43.16	5.2993	.0832	63 11 24.9	10.823	.646	20.7	116 120 123	63 4572	
3994	7.2	11 42.82	5.3127	.0848	63 23 32.6	10.896	.646	20.7	121 124 125	63 4574	D Innes 124
3995	9.0	12 6.67	5.3228	.0856	63 31 17.4	10.925	.646	19.7	33 34 39	63 4575	
3996[g]	7.4	20 12 16.03	+5.1920	−.0784	−62 8 19.6	+10.937	+.630	19.7	35 37 38	62 6152	Pavonis L 8370
3997	6.7	12 26.70	5.3149	.0855	63 27 44.8	10.950	.645	20.6	113 115 119	63 4576	
3998	8.6	16 0.62	5.3884	.0928	64 25 30.3	11.210	.647	20.7	116 120 123	64 4040	
3999	9.0	16 37.37	5.3978	.0938	64 33 20.2	11.254	.647	20.7	121 124 125	64 4041	
4000	9.0	17 22.68	5.4216	.0960	64 49 50.6	11.309	.648	19.7	33 34 39	64 4042	MZ 42696

(a) *p* 4ˢ ★ 9.3 0′4N. (b) *s* 10ˢ ★ 9.0 2′N. (c) *s* 4ˢ 0′7N. (d) *s* 1ˢ 0′1N. (e) *p* 14ˢ ★ 9.2 0′3N.
(f) *p* 15ˢ 0′8N. (g) *s* 17ˢ ★ 9.2 0′6N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
4001	8.1	20h17m37ˢ.00	+ˢ.3473	−ˢ.0916	−64° 7′52″.8	+11″.326	+″.639	19.7	35 37 38	64°4044	
4002	8.4	19 13.71	5.2178	.0851	62 54 5.9	11.442	.620	21.0	113 115 182	63 4579	
4003	8.9	19 45.32	5.2432	.0870	63 12 37.9	11.480	.622	20.7	116 120 123	63 4580	
4004	8.9	20 30.84	5.2467	.0878	63 18 4.0	11.534	.621	20.7	121 124 125	63 4581	
4005	9.0	21 45.15	5.1784	.0846	62 38 58.0	11.623	.610	19.7	33 34 39	62 6159	
4006	8.8	20 21 53.29	+5.2418	−.0886	−63 20 49.1	+11.632	+.618	19.7	35 37 38	63 4582	
4007	9.3	22 15.01	5.4944	.1051	65 49 3.5	11.658	.647	20.6	113 115 119	65 3852	
4008	8.4	22 25.75	5.1787	.0851	62 42 11.6	11.671	.609	20.7	116 120 123	62 6160	D *h* 5197
4009	8.8	23 7.06	5.0890	.0803	61 43 31.8	11.720	.597	20.7	121 124 125	61 6487	
4010	9.0	23 15.66	5.3333	.0954	64 22 49.4	11.730	.626	19.7	33 34 39	64 4047	
4011	8.3	20 23 38.60	+5.3418	−.0963	−64 29 27.0	+11.757	+.626	19.8	35 37 38	64 4048	
4012	7.4	23 55.70	5.3346	.0961	64 26 25.2	11.777	.625	20.6	113 115 119	64 4049	
4013	8.8	24 26.21	5.2464	.0909	63 34 46.2	11.813	.613	20.5	39 116 120 123	63 4587	
4014[a]	8.6	24 49.52	5.1448	.0849	62 29 59.2	11.841	.600	20.7	121 124 125	62 6163	
4015	8.8	24 59.25	5.2429	.0911	63 34 57.8	11.852	.612	19.7	33 34 39	63 4588	
4016	8.9	20 25 30.85	+5.3090	−.0958	−64 17 55.7	+11.889	+.618	19.7	35 37 38	64 4054	
4017	9.0	25 50.62	5.1655	.0869	62 48 32.7	11.912	.601	20.6	113 115 119	62 6165	
4018	8.6	26 12.76	5.3035	.0960	64 17 39.5	11.938	.616	20.7	116 120 123	64 4056	
4019	8.6	26 35.93	5.1548	.0869	62 44 46.4	11.965	.598	20.7	121 124 125	62 6166	
4020	8.8	27 54.97	5.2543	.0942	63 55 4.9	12.058	.607	19.7	33 34 39	64 4057	
4021	7.5	20 28 14.84	+5.2187	−.0922	−63 34 4.9	+12.081	+.602	19.7	35 37 38	63 4590	
4022	9.5	28 40.91	5.1983	.0912	63 22 54.7	12.111	.599	20.9	113 115 119 182	63 4591	
4023	8.9	28 56.21	5.0750	.0836	62 0 23.8	12.129	.584	20.7	116 120 123	62 6169	MZ 18656
4024	9.0	29 25.17	5.2958	.0982	64 27 10.8	12.162	.609	20.7	121 124 125	64 4058	
4025	8.4	29 39.80	5.1442	.0885	62 51 42.8	12.179	.590	19.7	33 34 39	63 4594	
4026	7.5	20 30 11.47	+5.1873	−.0917	−63 22 42.8	+12.216	+.594	20.6	113 115 119	63 4595	
4027	9.2	30 11.48	5.1889	.0918	63 23 47.0	12.216	.595	21.0	116 123 182	63 4596	
4028	9.0	30 12.22	5.0386	.0823	61 40 13.1	12.217	.577	19.7	35 37 38	61 6493	
4029	8.9	30 22.52	5.1345	.0884	62 48 32.0	12.229	.588	20.7	121 124 125	62 6172	
4030	6.8	30 30.50	5.3739	.1045	65 17 34.9	12.238	.616	19.7	33 34 39	65 3855	
4031	9.0	20 30 53.90	+5.3295	−.1018	−64 53 44.4	+12.265	+.610	19.7	35 37 38	65 3856	
4032	9.3	30 54.39	5.1618	.0906	63 9 19.6	12.266	.590	21.4	115 182 185	63 4598	
4033	8.4	30 58.49	5.0971	.0865	62 25 38.6	12.270	.583	21.1	120 123 185	62 6174	
4034	5.7	31 18.72	5.0410	.0832	61 47 20.8	12.294	.575	20.7	121 124 125	61 6495	F. *p* Pavonis
4035	7.6	33 6.34	5.0298	.0838	61 47 55.6	12.417	.570	19.7	33 34 39	61 6501	
4036[b]	8.3	20 33 7.84	+5.3098	−.1024	−64 52 13.4	+12.419	+.603	19.7	35 37 38	65 3858	
4037	7.0	33 27.87	5.1450	.0915	63 10 12.2	12.442	.583	21.0	113 115 182	63 4602	
4038	8.7	33 37.73	5.3541	.1059	65 20 11.7	12.453	.607	20.7	116 120 123	65 3860	
4039	8.1	34 12.34	5.2595	.0999	64 26 54.4	12.492	.595	20.7	121 124 125	64 4063	
4040	8.7	34 18.30	5.1529	.0927	63 19 29.3	12.499	.582	19.7	33 34 39	63 4603	
4041	8.9	20 34 34.27	+5.2423	−.0990	−64 18 2.3	+12.518	+.592	19.7	35 37 38	64 4064	
4042[c]	8.9	34 49.66	5.1166	.0907	62 57 38.1	12.535	.577	20.6	113 115 119	63 4604	D
4043	8.5	34 52.02	5.0227	.0846	61 51 28.0	12.538	.566	20.7	116 120 123	62 6175	
4044	9.1	34 57.40	5.3281	.1053	65 11 17.6	12.544	.601	20.7	121 124 125	65 3861	
4045	8.4	34 59.24	5.2503	.0999	64 24 53.6	12.546	.592	19.7	33 34 39	64 4065	
4046	9.0	20 35 35.53	+5.3050	−.1043	−65 0 42.7	+12.587	+.597	19.7	35 37 38	65 3862	
4047	8.3	36 44.12	5.1279	.0929	63 14 36.4	12.665	.574	20.6	113 115 119	63 4606	
4048	8.2	36 56.71	5.0879	.0904	62 48 21.6	12.679	.569	21.0	116 123 182	62 6176	
4049	8.9	37 2.05	5.3947	.1121	65 58 26.3	12.685	.604	20.7	121 124 125	66 3499	
4050	9.2	37 32.37	5.2229	.1001	64 20 2.9	12.719	.583	19.7	33 34 39	64 4067	

(a) *p* 3ª 1′58. (b) = α ★ 9.3 0′3N. (c) D *l s.*

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
4051	9.0	20h37m51s.40	+5s.2325	−s.1011	−64°27′35″.2	+12″.741	+″.584	19.7	35 37 38	64°4068	
4052[a]	8.9	38 12.83	5.1313	.0943	63 24 13.0	12.765	.571	21.0	113 115 182	63 4608	
4053	8.9	38 33.82	5.1392	.0952	63 31 8.6	12.788	.572	21.0	116 123 185	63 4609	
4054	7.7	38 59.60	5.2470	.1031	64 41 55.9	12.817	.583	20.7	121 124 125	64 4069	Pavonis L 8508
4055	8.3	39 19.43	5.0827	.0920	62 56 40.0	12.839	.564	19.7	33 34 39	63 4610	
4056	9.0	20 39 22.24	+5.1985	−.1000	−64 13 34.9	+12.843	+.577	19.7	35 37 38	64 4070	
4057	7.3	40 11.65	5.2855	.1070	65 10 52.6	12.898	.585	20.6	113 115 119	65 3865	
4058	8.7	42 27.85	5.1675	.1004	64 9 14.1	13.049	.567	20.7	116 120 123	64 4074	
4059	9.1	43 15.79	5.3278	.1130	65 50 12.7	13.102	.582	20.7	121 124 125	66 3504	
4060	9.8	44 33.66	5.1508	.1010	64 9 5.6	13.188	.560	19.7	33 34 39	64 4079	
4061	9.0	20 44 42.34	+4.9414	−.0864	−61 42 3.4	+13.197	+.537	19.7	35 37 38	61 6507	
4062	9.4	45 5.36	5.1615	.1022	64 18 43.8	13.223	.560	21.4	115 182 185	64 4080	Pavonis
4063[b]	5.8	45 23.84	5.0178	.0921	62 42 31.0	13.243	.544	20.7	116 120 123	62 6180	D L 8550², 115 G
4064	8.4	45 33.34	4.9351	.0866	61 41 46.2	13.253	.534	20.7	121 124 125	61 6510	Bris 6918
4065	8.9	45 40.89	5.2648	.1105	65 25 32.0	13.262	.570	19.7	33 34 39	65 3868	
4066	8.4	20 45 53.14	+5.2256	−.1077	−65 2 58.1	+13.275	+.565	19.7	35 37 38	65 3869	
4067	7.9	46 13.17	5.2002	.1060	64 48 59.9	13.297	.562	21.4	115 182 185	65 3870	
4068	8.9	46 41.60	5.1109	.0998	63 53 55.9	13.328	.551	20.7	121 124 125	64 4082	
4069	8.6	46 43.48	5.2818	.1128	65 40 46.1	13.330	.570	20.7	116 120 123	65 3871	Pavonis G 28552
4070	7.6	47 1.28	5.1617	.1039	64 28 49.6	13.349	.556	19.7	33 34 39	64 4083	
4071	9.0	20 47 3.55	+5.0813	−.0980	−63 35 55.2	+13.352	+.547	19.7	35 37 38	63 4617	
4072	9.0	47 46.50	5.2527	.1115	65 28 53.8	13.398	.564	21.4	115 182 185	65 3872	
4073	7.5	48 5.07	5.0319	.0952	63 7 9.5	13.468	.539	20.7	116 120 123	63 4619	
4074	8.4	48 26.30	5.1504	.1043	64 29 2.9	13.441	.551	20.7	121 124 125	64 4084	
4075	8.3	49 15.97	5.2378	.1117	65 27 39.5	13.495	.559	19.7	33 34 39	65 3873	
4076	8.3	20 49 26.69	+5.2624	−.1138	−65 43 8.9	+13.507	+.561	19.7	35 37 38	65 3874	
4077	8.9	50 22.87	4.9121	.0885	61 51 9.2	13.567	.522	21.4	115 182 185	62 6186	
4078	9.1	50 27.39	4.9619	.0921	62 29 29.6	13.572	.527	20.7	116 122 123	62 6187	
4079	7.8	50 55.27	5.2003	.1103	65 13 31.5	13.602	.551	20.7	121 124 125	65 3875	
4080	9.1	52 3.26	4.9031	.0891	61 53 49.6	13.674	.517	19.7	31 38	62 6189	
4081	8.6	20 52 8.10	+5.1322	−.1061	−64 37 3.0	+13.680	+.541	19.7	33 34 39	64 4086	Paovnis G 28678
4082	8.3	52 29.42	4.9757	.0946	62 51 16.6	13.702	.524	21.4	115 182 185	63 4624	
4083	8.0	53 28.76	4.9939	.0968	63 10 6.7	13.765	.523	20.7	116 120 122 123	63 4626	
4084	8.9	55 8.08	5.0296	.1008	63 44 51.7	13.870	.524	20.7	121 124 125	63 4628	
4085	9.0	55 26.52	5.0151	.1000	63 36 28.7	13.889	.521	19.7	33 34 39	63 4629	
4086	8.9	20 56 12.53	+5.0653	−.1045	−64 15 27.7	+13.938	+.525	19.7	35 37 38	64 4088	
4087	8.7	56 34.34	4.8901	.0915	62 10 24.7	13.961	.506	21.4	115 182 185	62 6191	
4088	8.9	56 46.12	4.9991	.0999	63 32 48.9	13.973	.517	20.7	116 122 123	63 4630	
4089	8.2	57 33.95	5.0121	.1015	63 46 38.3	14.023	.516	20.7	121 124 125	63 4631	
4090	9.0	58 15.28	5.0483	.1049	64 15 39.5	14.066	.518	19.7	33 34 39	64 4089	
4091	8.1	20 58 23.08	+5.0546	−.1056	−64 20 42.3	+14.074	+.519	19.7	35 37 38	64 4090	
4092	8.3	58 40.42	5.0052	.1019	63 48 14.2	14.092	.513	21.4	115 182 185	64 4091	
4093	9.0	59 35.68	4.8557	.0913	62 1 38.8	14.148	.496	20.7	116 120 122 123	62 6194	
4094	7.7	21 1 52.97	4.9324	.0989	63 14 50.6	14.289	.498	20.7	121 124 125	63 4634	
4095	6.7	2 19.75	5.0108	.1055	64 13 52.4	14.317	.505	19.7	33 34 39	64 4094	
4096	7.0	21 3 54.86	+5.0055	−.1065	−64 19 43.4	+14.413	+.501	19.7	35 36 37 38	64 4096	
4097	8.6	4 53.73	4.9681	.1043	63 59 23.3	14.473	.495	21.4	115 182 185	64 4100	
4098	9.0	6 41.24	4.9897	.1076	64 25 42.7	14.581	.493	20.7	116 122 123	64 4104	
4099[c]	8.3	9 13.45	4.9311	.1049	63 59 54.7	14.732	.481	20.7	121 124 125	64 4110	D h 5250
4100	9.4	9 26.65	4.8262	.0965	62 41 17.2	14.745	.471	19.7	33 34 39	62 6210	

(a) *p* 18ª ✱ 9.3 0′88. (b) D Rü 26. (c) *p* 1ª0′1N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
4101	8.7	21h10 16s28	+4s9538	−s1077	−64°22′58″5	+14″794	+″481	19.7	35 36 37 38	64°4112	
4102	9.4	10 40.67	5.0845	.1195	65 53 34.0	14.818	.493	21.4	115 182 185	66 3538	
4103	6.6	11 48.80	4.9923	.1125	64 59 42.0	14.885	.481	20.7	116 122 123	65 3900	
4104	9.0	12 18.17	5.0288	.1161	65 27 20.2	14.913	.484	20.7	121 124 125	65 3902	
4105	7.2	12 46.86	4.7248	.0910	61 39 30.1	14.941	.453	19.7	33 34 39	61 6537	Lac 8733
4106	8.0	21 12 52.39	+4.8486	—.1012	−63 21 48.9	+14.947	+.465	19.7	35 36 37 38	63 4652	
4107	8.9	13 29.51	4.7763	.0957	62 28 6.8	14.983	.456	21.4	115 182 185	62 6220	MZ 18734
4108	9.3	15 3.85	4.8306	.1015	63 22 37.4	15.074	.458	20.7	121 124 125	63 4658	
4109	8.9	15 5.04	4.7773	.0971	62 40 2.4	15.075	.453	20.7	116 122 123	62 6223	
4110[a]	8.7	15 24.64	4.9075	.1084	64 23 12.1	15.094	.465	19.7	33 34 39	64 4122	
4111	8.5	21 15 38.71	+4.9338	—.1109	—64 43 41.3	+15.107	+.467	19.7	35 36 37 38	64 4124	
4112	9.2	16 8.07	4.9623	.1139	65 7 2.0	15.135	.468	21.4	115 182 185	65 3910	
4113[b]	8.9	16 44.97	4.9592	.1142	65 8 56.5	15.170	.466	20.7	116 122 123	65 3912	
4114	8.2	17 46.59	4.9137	.1111	64 43 36.9	15.229	.460	20.7	121 124 125	64 4128	
4115	9.0	18 48.86	4.7328	.0963	62 29 21.3	15.288	.440	19.7	33 34 39	62 6228	
4116	8.9	21 19 37.14	+4.8532	—.1074	—64 11 36.2	+15.333	+.450	19.7	35 36 37 38	64 4132	
4117	4.4	20 15.61	4.9740	.1190	65 42 28.7	15.369	.459	20.6	115 116	65 3918	F. y Pavonis
4118	9.3	21 11.18	4.7472	.0995	62 58 43.3	15.421	.436	20.7	116 122 123	63 4670	
4119	9.0	23 33.57	4.7915	.1054	63 51 55.7	15.553	.434	21.1	121 124 125 182[c]	64 4137	
4120	8.4	24 45.14	4.7485	.1026	63 26 6.8	15.619	.428	19.7	33 34 39	63 4678	
4121	7.0	21 24 57.75	+4.6801	—.0968	−62 29 42.4	+15.630	+.421	19.7	35 36 37 38	62 6236	
4122	8.2	25 40.84	4.7359	.1023	63 22 43.0	15.669	.425	21.4	119 182 185	63 4680	D
4123	8.7	26 0.10	4.8094	.1093	64 23 50.5	15.688	.430	20.7	38 116 122 123	64 4143	
4124	8.5	26 9.56	4.9084	.1187	65 37 58.2	15.696	.439	20.7	121 124 125	65 3926	
4125	8.0	26 53.80	4.8074	.1099	64 28 51.5	15.736	.428	19.7	33 34 39	64 4145	
4126	9.0	21 27 35.46	+4.6010	—.0920	−61 38 27.9	+15.773	+.407	19.7	36 37 38	61 6563	
4127	8.8	27 37.52	4.7941	.1093	64 24 1.1	15.775	.425	21.4	115 182 185	64 4148	
4128	8.8	27 43.60	4.6272	.0944	62 3 51.7	15.780	.410	20.7	116 122 123	62 6242	MZ 18767
4129	8.1	29 52.39	4.6921	.1019	63 18 7.8	15.895	.410	20.7	121 124 125	63 4687	
4130	9.0	30 4.13	4.6589	.0991	62 50 54.2	15.906	.407	19.8	33 34 39	63 4689	
4131	9.0	21 31 15.89	+4.8352	—.1167	−65 22 21.9	+15.969	+.419	19.7	36 37 38	65 3933	
4132	8.7	31 22.45	4.8567	.1189	65 38 53.4	15.975	.421	21.4	115 182 185	65 3934	
4133	8.8	32 2.79	4.6610	.1010	63 8 33.3	16.011	.402	19.7	33 34 39	63 4693	
4134	6.2	32 4.56	4.8100	.1150	65 9 38.4	16.013	.429	21.5	116 195	65 3937	F. Indi 40 G
4135	8.5	32 13.70	4.6221	.0976	62 35 27.1	16.020	.398	20.7	121 124 125	62 6248	
4136	8.7	21 32 26.72	+4.7265	—.1074	—64 6 58.2	+16.031	+.407	19.7	36 37 38	64 4155	
4137	9.0	32 44.59	4.6646	.1019	63 17 13.6	16.047	.401	21.4	115 182 185	63 4695	
4138	8.4	34 25.28	4.6393	.1010	63 8 43.2	16.135	.395	20.7	116 122 123	63 4697	
4139	8.2	35 49.44	4.7208	.1100	64 29 6.7	16.207	.398	20.7	121 124 125	64 4159	
4140	8.3	38 6.60	4.6460	.1049	63 45 7.4	16.324	.386	19.7	33 34 39	63 4701	
4141	8.9	21 38 8.44	+4.5161	—.0928	−61 44 49.9	+16.326	+.375	19.7	36 37 38	61 6578	
4142	7.3	38 34.64	4.5560	.0968	62 27 27.1	16.348	.378	21.4	115 182 185	62 6259	
4143	8.3	39 23.36	4.5321	.0952	62 11 36.0	16.389	.373	20.7	116 122 123	62 6261	
4144	7.4	40 39.57	4.5646	.0994	62 53 42.0	16.452	.373	20.7	121 124 125	63 4703	
4145	8.7	40 49.47	4.5172	.0950	62 9 39.5	16.461	.369	19.7	33 34 39	62 6264	
4146	7.9	21 41 28.62	+4.5360	—.0974	−62 33 45.2	+16.493	+.369	19.7	35 36 37 38	62 6265	
4147	8.9	41 48.73	4.7291	.1167	65 24 29.3	16.510	.384	21.4	115 182 185	65 3949	
4148	8.8	41 58.05	4.5755	.1015	63 15 14.0	16.517	.371	20.7	116 122 123	63 4705	
4149	8.7	42 1.07	4.6439	.1083	64 16 18.8	16.520	.377	20.7	121 124 125	64 4167	
4150	7.1	42 50.72	4.7525	.1202	65 51 4.9	16.561	.383	19.7	33 34 39	66 3586	D Innes 19

(a) *p* 4ª ★ 9.5 2′N. (b) *p* 9ª ★ 9.6 1′8, *s* 17ª ★ 9.2 1′5N. (c) 185.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
4151	9.3	21h44m 0s.02	+4s.5580	−s.1016	−63°16′59″.6	+16″.618	+″.365	19.7	35 36 37 38	63°4708	
4152	8.6	44 0.69	4.5280	.0930	61 48 46.3	16.618	.357	21.4	115 182 185	62 6269	MZ 18801
4153	6.3	44 12.33	4.6782	.1139	65 3 40.6	16.628	.374	20.7	116 122 123	65 3951	L 8903, 54 G Indi
4154	8.9	44 18.42	4.5798	.1041	63 39 45.0	16.633	.366	20.7	121 124 125	63 4709	
4155	8.0	44 22.83	4.5504	.1012	63 13 21.8	16.636	.363	19.7	33 34 39	63 4710	
4156	9.2	21 44 42.32	+4.6382	−.1103	−64 34 37.3	+16.652	+.369	19.7	35 36 37 38	64 4170	
4157	9.0	45 8.12	4.5372	.1006	63 7 41.2	16.673	.360	21.4	115 182 185	63 4713	
4158	8.9	46 5.93	4.6840	.1164	65 24 36.3	16.720	.370	20.7	116 122 123	65 3956	
4159	7.2	46 35.91	4.4787	.0962	62 24 8.3	16.744	.352	20.7	121 124 125	62 6271	
4160	8.9	47 40.71	4.6426	.1137	65 4 18.9	16.795	.363	19.7	33 34 39	65 3959	
4161	7.5	21 48 22.29	+4.5267	−.1025	−63 27 26.4	+16.828	+.352	19.7	25 36 37 38	63 4721	
4162	6.6	49 40.30	4.4404	.0951	62 14 21.9	16.890	.342	21.4	115 182 185	62 6277	D Lac 8939
4163	8.5	49 50.19	4.5192	.1031	63 33 59.7	16.898	.347	20.7	116 122 123	63 4725	
4164	7.6	51 27.27	4.4216	.0947	62 12 6.8	16.973	.336	20.7	121 124 125	62 6281	
4165	8.4	52 11.22	4.5869	.1124	64 57 19.8	17.007	.347	19.7	33 34 39	65 3976	
4166	8.4	21 53 5.50	+4.5458	−.1089	−64 29 19.5	+17.049	+.341	19.7	35 36 37 38	64 4190	
4167	8.3	53 46.53	4.4361	.0982	62 50 10.0	17.080	.331	21.4	115 182 185	63 4736	
4168	8.8	53 51.03	4.3821	.0929	61 53 49.3	17.084	.327	20.7	116 122 123	62 6285	
4169	8.7	54 0.28	4.5683	.1123	64 57 57.0	17.091	.341	20.7	121 124 125	65 3981	
4170	8.9	54 39.24	4.4066	.0960	62 28 14.1	17.121	.327	19.7	33 34 39	62 6286	
4171	8.6	21 54 52.15	+4.4829	−.1040	−63 47 27.5	+17.130	+.332	19.7	35 36 37 38	64 4194	
4172	7.4	56 25.45	4.5858	.1167	65 35 56.7	17.201	.336	21.4	115 182 185	65 3985	Indi L 8970
4173	9.2	56 34.05	4.5230	.1100	64 41 44.4	17.207	.331	20.7	116 122 123	64 4197	
4174	8.7	58 7.87	4.4554	.1042	63 53 6.9	17.277	.322	20.7	121 124 125	64 4203	
4175	8.0	58 53.52	4.3530	.0942	62 14 7.8	17.310	.313	19.7	33 34 39	62 6294	MZ 18835
4176	7.5	21 59 1.76	+4.5226	−.1125	−65 5 26.4	+17.316	+.325	19.7	35 37 38	65 3989	
4177	8.3	22 0 2.15	4.4198	.1023	63 36 58.9	17.361	.315	21.4	115 182 185	63 4747	
4178	8.7	0 28.11	4.4074	.1014	63 28 47.7	17.379	.313	19.8	39 40 41	63 4748	
4179	9.2	0 39.84	4.3132	.0917	61 48 10.7	17.388	.306	19.7	35 37 38	62 6299	
4180	9.0	0 59.58	4.5248	.1148	65 26 47.4	17.402	.320	19.8	42 46 47	65 3993	
4181	9.5	22 1 58.47	+4.3063	−.0921	−61 54 32.0	+17.445	+.302	21.3	128 185	62 6301	
4182	7.8	2 10.27	4.5132	.1148	65 28 6.9	17.453	.316	20.8	123 124 125	65 3996	
4183	7.9	2 48.80	4.4064	.1035	63 52 18.5	17.481	.307	20.8	126 127 130	64 4213	
4184	8.3	2 51.16	4.3029	.0925	62 0 15.9	17.483	.300	19.8	39 40 41	62 6304	
4185	7.6	3 28.14	4.4224	.1060	64 15 23.5	17.509	.307	19.7	35 37 38	64 4214	
4186[a]	9.1	22 3 34.69	+4.3015	−.0930	−62 6 46.1	+17.513	+.298	20.5	46 123 124 125	62 6306	
4187	8.8	3 45.70	4.4492	.1093	64 44 46.2	17.521	.308	21.3	128 185	64 4215	
4188	8.7	3 51.22	4.4460	.1090	64 42 31.7	17.525	.307	21.3	128 185	64 4216	
4189	8.9	4 18.95	4.4985	.1155	65 36 30.7	17.545	.310	20.8	127 129 130	65 4000	
4190	8.9	4 44.00	4.3992	.1047	64 5 28.2	17.562	.302	19.8	39 40 41	64 4217	
4191	8.2	22 5 17.41	+4.4117	−.1066	−64 23 59.3	+17.586	+.301	19.7	35 37 38	64 4220	
4192	8.8	5 22.53	4.3836	.1035	63 56 17.6	17.589	.299	19.8	42 45 46 47	64 4221	
4193	8.0	5 25.89	4.3562	.1006	63 28 5.7	17.592	.297	21.3	128 131 182 185	63 4756	
4194	7.6	5 56.36	4.4038	.1064	64 23 2.6	17.613	.299	20.8	123 124 125	64 4223	
4195	8.1	6 58.67	4.4278	.1102	64 57 57.1	17.656	.298	20.8	126 127 129 130	65 4006	Tucanae G 30305
4196	8.8	22 7 40.77	+4.2653	−.0928	−62 10 51.4	+17.685	+.285	19.8	39 40 41	62 6310	MZ 18854
4197	9.2	7 42.01	4.2737	.0937	62 21 8.4	17.686	.286	19.7	35 36 37 38	62 6311	DHu 1636
4198	8.5	8 41.78	4.2375	.0907	61 49 14.6	17.727	.281	19.8	42 45 46 47	62 6315	
4199	8.7	10 24.47	4.4031	.1111	65 11 4.6	17.796	.288	21.4	128 182 185	65 4014	
4200	7.3	11 7.81	4.3105	.1011	63 42 39.7	17.825	.280	20.8	123 124 125	63 4765	

(a) s 9s ✱ 10.0 2′N.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
4201	8.0	22h 12m 18s.19	+s.3945	−s.1122	−65° 23′ 37″.1	+17″.872	+″.283	20.8	127 129 130	65° 4016	
4202	7.1	12 44.78	4.2658	.0976	63 11 11.0	17.889	.273	19.8	39 40 41 44	63 4769	D Innes 20
4203	8.7	12 52.82	4.2027	.0907	61 56 22.9	17.895	.268	19.7	35 36 37 38(1)	62 6322	
4204	8.4	12 56.36	4.2739	.0988	63 22 49.5	17.897	.273	21.4	128 182 185	63 4771	
4205	8.3	12 56.82	4.3598	.1088	64 55 59.0	17.897	.279	19.8	42 45 46 47	65 4017	
4206	7.9	22 14 23.72	+4.2725	−.1001	−63 38 37.4	+17.954	+.269	20.8	123 124 125	63 4779	
4207	8.7	14 42.59	4.2884	.1022	64 0 17.9	17.966	.270	20.8	126 127 130	64 4236	D
4208	8.0	15 6.21	4.3756	.1131	65 36 35.1	17.981	.274	19.8	39 40 41	65 4022	MZ 32940
4209	9.3	15 38.49	4.1807	.0908	62 2 53.9	18.002	.260	19.8	35 36 37 38(2)	62 6330	MZ 18875
4210	7.2	15 47.97	4.2212	.0956	62 55 29.3	18.008	.262	19.8	42 45 46 47	63 4782	
4211[a]	9.0	22 17 42.05	+4.3408	−.1119	−65 31 47.3	+18.081	+.265	21.4	128 182 185	65 4027	D *h* 5327
4212	7.5	18 33.16	4.3429	.1132	65 44 1.0	18.113	.264	20.8	123 124 125	65 4032	Tucanae G 30518
4213[b]	8.0	19 3.68	4.2176	.0984	63 32 10.7	18.132	.254	20.8	126 127 129 130	63 4787	
4214	9.2	19 16.13	4.2415	.1015	64 2 53.8	18.139	.255	19.8	39 40 41	64 4249	
4215	7.7	21 25.44	4.1630	.0944	62 55 14.6	18.219	.245	19.8	35 36 37 38(3)	63 4789	
4216	8.8	22 21 53.88	+4.1575	−.0942	−62 54 30.4	+18.236	+.244	19.8	42 45 46 47	63 4791	
4217[c]	5.0	22 1.02	4.2806	.1094	65 20 55.9	18.240	.251	21.4	128 182 185	65 4044	D ε Tucanae
4218	9.0	22 7.08	4.2116	.1009	64 4 11.6	18.244	.247	20.8	123 124 125	64 4256	
4219	8.7	22 12.02	4.2076	.1005	64 0 26.2	18.247	.246	20.8	126 127 129 130	64 4257	
4220	8.8	22 46.35	4.2050	.1009	64 4 50.9	18.268	.245	19.8	39 40 41	64 4262	
4221	8.5	22 23 0.69	+4.2327	−.1045	−64 40 20.1	+18.276	+.246	19.8	35 36 37 38(4)	64 4263	
4222	8.8	23 25.64	4.2437	.1064	64 58 7.3	18.291	.245	19.8	42 45 46 47	65 4047	MZ 33520
4223	8.6	24 15.26	4.1746	.0987	63 47 26.2	18.321	.239	21.4	128 182 185	64 4266	
4224	9.0	24 44.30	4.2724	.1117	65 46 24.3	18.338	.244	20.8	123 124 125	66 3674	
4225	9.3	24 49.14	4.0861	.0886	61 58 32.6	18.341	.232	20.8	126 127 129 130	62 6340	
4226	8.3	22 25 11.96	+4.1123	−.0921	−62 40 0.6	+18.354	+.233	19.8	39 40 41	62 6341	
4227[d]	8.9	26 0.22	4.2087	.1050	64 51 41.0	18.382	.237	19.8	35 36 37 38(5)	65 4056	
4228	9.0	27 26.34	4.1092	.0941	63 7 18.4	18.432	.228	19.8	42 45 46 47	63 4801	
4229	8.8	27 26.43	4.2426	.1112	65 49 0.8	18.432	.235	21.4	128 182 185	66 3680	
4230	8.7	27 32.26	4.0799	.0906	62 28 34.7	18.435	.226	20.8	123 124 125	62 6346	
4231	9.2	22 27 46.94	+4.1637	−.1013	−64 21 52.1	+18.444	+.230	20.8	126 127 129 130	64 4271	
4232	6.0	27 56.67	4.0711	.0900	62 22 5.0	18.449	.224	19.8	39 40 41	62 6348	F. 9 Tucanae
4233	8.1	28 22.31	4.1330	.0981	63 51 31.6	18.464	.227	19.7	35 36 37 38	64 4273	
4234	9.1	30 18.39	4.2078	.1102	65 48 28.9	18.529	.226	19.8	42 45 46 47	66 3683	
4235	7.7	30 25.04	4.0319	.0877	62 1 44.9	18.533	.216	21.4	128 182 185	62 6352	MZ 18903
4236	9.0	22 30 40.18	+4.1257	−.0998	−64 14 50.4	+18.541	+.221	20.8	123 124 125	64 4277	
4237	8.6	31 24.44	4.0284	.0882	62 11 37.6	18.566	.214	20.8	126 127 129 130	62 6353	
4238	8.0	31 37.88	4.1402	.1028	64 46 44.2	18.573	.219	19.8	39 40 41	65 4070	
4239	8.6	32 1.66	4.1086	.0991	64 12 18.3	18.586	.217	19.7	35 36 37 38	64 4281	
4240	9.1	33 5.72	4.1352	.1039	65 1 28.7	18.621	.215	19.8	42 45 46 47	65 4074	
4241	9.0	22 33 31.77	+4.0808	−.0972	−63 57 44.1	+18.635	+.211	21.4	128 182 185	64 4283	
4242	8.9	35 3.60	3.9702	.0847	61 39 9.0	18.684	.202	20.8	123 124 129	61 6668	
4243	8.8	35 17.78	3.9668	.0845	61 37 29.8	18.691	.201	20.8	126 127 130	61 6670	
4244	8.6	35 21.19	4.0156	.0908	62 53 42.6	18.693	.204	19.8	39 40 41 44	63 4810	
4245	8.0	35 37.52	3.9755	.0860	61 56 42.3	18.702	.201	21.4	128 182 185	62 6358	
4246	9.0	22 35 51.36	+4.0631	−.0976	−64 8 57.2	+18.709	+.205	19.8	42 45 46 47	64 4285	
4247	8.1	36 3.27	4.0260	.0930	63 19 54.7	18.715	.202	20.8	123 124 125	63 4812	
4248	8.4	36 4.97	4.0775	.0999	64 32 17.7	18.716	.205	21.4	128 182 185	64 4286	
4249	8.8	36 32.01	3.9787	.0873	62 16 19.9	18.730	.199	20.8	126 127 130	62 6360	
4250	8.6	36 43.50	4.0325	.0946	63 39 43.5	18.736	.201	19.8	39 40 41 44	63 4813	

[a] *s* 4s 0′28. [b] *p* 10s ✱ 9.2 0′4N. [c] D *h* 5334. [d] *p* 13s ✱ 9.2 0′2S.

(1) 42. (2) 43. (3) 43. (4) 43. (5) 43.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
4251	8.8	22h37m45s.83	+3s.9644	−s.0868	−62°14′ 3″.2	+18″.768	+″.195	19.7	35 36 37 38	62°6361	MZ 18919
4252	8.2	38 4.11	3.9698	.0878	62 27 30.4	18.777	.195	19.8	42 45 46 47	62 6362	
4253	8.1	38 23.78	4.0815	.1033	65 12 16.9	18.787	.200	21.4	128 182 185	65 4082	
4254[a]	8.3	38 37.45	4.0713	.1022	65 2 29.3	18.794	.199	20.8	123 124 125	65 4084	Tucanae G 30914
4255	7.1	39 34.40	4.0297	.0976	64 20 51.6	18.823	.194	20.8	126 127 129 130	64 4293	
4256	7.9	22 39 41.34	+3.9712	−.0898	−62 56 30.7	+18.827	+.191	19.7	35 36 37 38	63 4814	
4257	9.0	39 43.95	3.9584	.0882	62 37 11.5	18.828	.190	19.8	40 41 44	62 6365	
4258	8.1	40 13.48	4.0017	.0945	63 51 19.2	18.843	.191	19.8	42 45 46 47	64 4295	
4259	9.0	42 46.12	3.9311	.0879	62 45 13.6	18.917	.182	21.3	128 131 182 185	63 4819	
4260	9.3	43 9.38	4.0506	.1053	65 46 46.9	18.928	.186	20.8	123 124 125	66 3710	
4261	6.6	22 43 30.21	+3.8992	−.0845	−62 4 49.8	+18.938	+.178	20.8	126 127 129 130	62 6369	
4262	8.6	43 50.19	4.0019	.0991	64 51 14.5	18.948	.182	29.7	35 36 37 38	65 4087	
4263	8.6	43 51.45	3.9646	.0939	63 56 53.1	18.949	.180	19.8	39 40 41 44	64 4299	
4264	6.4	44 0.02	3.9697	.0948	64 6 54.0	18.953	.180	19.8	42 45 46 47	64 4300	
4265	9.5	44 10.49	3.9689	.0949	64 8 42.6	18.958	.180	20.8	128 131	64 4301	
4266	9.0	22 45 38.21	+3.8646	−.0821	−61 42 39.1	+18.999	+.171	20.8	123 124 125	61 6689	MZ 18927
4267	8.2	46 3.62	3.9123	.0893	63 12 44.3	19.011	.173	20.8	126 127 129 130	63 4824	
4268	8.1	46 19.69	3.9107	.0893	63 14 58.2	19.018	.172	19.8	39 40 41 44	63 4825	
4269	8.3	47 6.55	3.9650	.0982	64 53 46.9	19.039	.173	19.7	35 36 37 38	65 4089	
4270	7.2	47 18.59	3.9121	.0907	63 35 10.0	19.045	.170	19.8	42 45 46 47	63 4826	D F. Tuc. 18 G
4271	8.2	22 47 52.16	+3.9727	−.1003	−65 18 21.9	+19.060	+.171	20.8	128 131	65 4090	
4272	7.7	48 1.09	3.8909	.0886	63 12 53.4	19.064	.167	20.8	123 124 125	63 4828	
4273	7.6	48 23.74	3.9214	.0935	64 9 47.2	19.074	.168	20.8	126 127 129 130	64 4302	
4274	9.0	48 45.28	3.8394	.0822	61 55 26.5	19.084	.163	19.8	40 41 44	62 6373	
4275	8.4	49 23.36	3.9613	.1008	65 28 37.1	19.101	.167	19.7	35 36 37 38	65 4094	
4276	9.3	22 49 31.91	+3.9149	−.0940	−64 20 21.7	+19.105	+.165	19.8	42 45 46 47	64 4304	
4277	8.0	50 0.51	3.9642	.1022	65 43 50.5	19.117	.166	20.8	128 131	65 4095	Tucan. G 31142
4278	8.8	50 19.71	3.8288	.0826	62 6 31.1	19.126	.159	20.8	123 124 129	62 6375	
4279	8.8	50 48.28	3.9166	.0960	64 46 37.1	19.138	.162	20.8	126 127 130	65 4096	
4280	8.7	52 11.59	3.8081	.0818	62 4 30.8	19.174	.154	19.8	40 41 44	62 6376	
4281	8.6	22 52 12.52	+3.8059	−.0815	−62 0 30.5	+19.174	+.154	19.7	35 36 37 38	62 6377	
4282	8.4	52 57.41	3.8059	.0824	62 15 42.9	19.193	.152	19.8	42 45 46 47	62 6378	
4283	7.9	53 29.02	3.9229	.1009	65 46 21.2	19.206	.156	20.8	128 131	66 3724	
4284	9.2	53 37.91	3.7781	.0792	61 34 38.0	19.210	.149	20.8	123 124 129	61 6700	D *h* 5370
4285	9.0	53 43.52	3.9041	.0983	65 21 54.4	19.212	.154	20.8	126 127 130	65 4101	
4286	8.9	22 54 37.60	+3.8956	−.0983	−65 25 52.4	+19.235	+.152	19.8	40 41 44	65 4102	
4287	8.5	54 39.89	3.8640	.0934	64 35 2.9	19.236	.150	19.7	35 36 37 38	64 4306	
4288	8.2	54 50.22	3.7897	.0824	62 23 19.2	19.240	.147	20.8	124 129	62 6381	MZ 18941
4289	7.4	54 59.74	3.8125	.0860	63 10 25.2	19.244	.148	19.8	42 45 46 47	63 4833	
4290	8.6	55 10.38	3.8414	.0906	64 6 19.5	19.248	.148	20.8	128 131	64 4307	
4291	7.2	22 57 12.25	+3.7979	−.0867	−63 29 21.5	+19.297	+.142	20.8	126 127 130	63 4835	
4292[b]	7.4	57 30.43	3.8344	.0929	64 42 2.1	19.304	.143	19.8	40 41 44	64 4309	D Tuc. L 9325
4293	8.9	57 45.00	3.7646	.0823	62 35 50.7	19.310	.139	19.7	35 37 38	62 6385	
4294	9.2	58 13.05	3.8523	.0969	65 27 15.1	19.321	.142	19.8	42 45 46 47	65 4106	
4295	7.7	58 29.99	3.7620	.0829	62 47 12.1	19.327	.137	20.8	128 131	63 4837	
4296	9.0	22 58 34.39	+3.7742	−.0849	−63 13 10.7	+19.329	+.138	20.8	123 124 129	63 4838	
4297	9.3	58 50.88	3.8078	.0906	64 22 51.2	19.335	.138	20.8	126 127 130	64 4311	
4298	9.0	58 54.01	3.7304	.0786	61 49 51.0	19.337	.135	19.8	40 41 44	62 6386	
4299	9.7	59 5.37	3.7244	.0779	61 40 59.7	19.341	.134	19.7	35 37	61 6719	
4300	9.3	59 41.49	3.7277	.0792	62 1 58.5	19.355	.133	19.8	42 46 47	62 6387	

(a) D *p* 2ª 0′1 S Rü 339. (b) D *h* 5373.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec	Ep. 1900	Zonas	C. P. D.	Obser.
4301	8.7	23h 0m 6s.29	+3s.7726	−s.0868	−63°43′47″.3	+19″.364	+″.134	20.8	128 131	63°4843	
4302	8.9	0 42.86	3.7637	.0863	63 40 5.3	19.378	.132	20.8	123 124 129	63 4845	
4303	7.4	0 45.70	3.7375	.0822	62 47 45.9	19.379	.131	20.8	126 127 130	63 4846	
4304	8.5	1 0.42	3.7344	.0820	62 46 53.3	19.384	.130	19.8	40 41 44	63 4847	
4305	8.8	1 10.65	3.8259	.0873	65 44 41.7	19.388	.133	19.8	45 46 47	66 3741	
4306	8.6	23 1 13.34	+3.6999	−.0769	−61 35 49.8	+19.389	+.129	19.8	37 38 43	61 6722	
4307	9.0	3 12.97	3.7723	.0915	64 53 26.2	19.433	.127	20.8	128 131	65 4108	
4308	8.2	3 16.53	3.6938	.0787	62 11 44.7	19.434	.124	20.8	123 124 129	62 6391	
4309	8.7	3 32.65	3.7421	.0870	64 1 58.8	19.440	.125	20.8	126 127 130	64 4319	
4310	7.5	3 56.26	3.7447	.0879	64 16 25.4	19.448	.124	19.8	40 41 44	64 4321	
4311	9.3	23 4 30.36	+3.7073	−.0826	−63 11 49.5	+19.460	+.121	19.8	37 38 43	63 4855	
4312	8.9	4 49.56	3.7280	.0866	64 3 33.1	19.467	.121	19.8	42 45 46 47	64 4322	
4313	9.0	5 16.37	3.6630	.0764	61 49 17.8	19.476	.118	21.4	128 182 185	62 6396	
4314	7.7	6 34.78	3.6947	.0836	63 35 49.8	19.503	.116	20.8	123 124 129	63 4857	
4315	7.9	7 45.47	3.6384	.0758	61 53 42.8	19.526	.112	20.8	126 127 130	62 6402	MZ 6764
4316	7.9	23 7 47.26	+3.6344	−.0752	−61 44 24.9	+19.527	+.111	19.8	40 41 44	62 6403	
4317	9.2	8 6.70	3.6380	.0763	62 2 15.3	19.533	.110	19.8	37 38 43	62 6405	
4318	8.7	8 14.35	3.6409	.0770	62 12 51.2	19.536	.110	20.2	42 45 46 47(1)	62 6406	
4319	9.0	8 47.46	3.7128	.0904	65 9 53.1	19.546	.112	20.8	128 131	65 4114	
4320	8.9	8 52.33	3.6340	.0767	62 12 35.7	19.548	.109	20.3	42 47 123 124(2)	62 6407	
4321	8.6	23 9 27.18	+3.6283	−.0766	−62 14 7.8	+19.559	+.107	20.8	126 127 130	62 6409	
4322	6.7	9 29.37	3.6488	.0802	63 5 56.4	19.560	.108	19.8	40 41 44	63 4862	
4323	9.1	10 38.20	3.6867	.0889	65 2 29.9	19.582	.106	19.8	37 38 43	65 4116	
4324	8.9	11 11.24	3.6977	.0920	65 40 3.5	19.592	.106	19.8	42 45 46 47	65 4118	
4325	9.0	11 37.42	3.6281	.0799	63 13 59.6	19.600	.103	20.8	128 131	63 4865	
4326	8.6	23 12 20.50	+3.5978	−.0756	−62 16 12.1	+19.613	+.100	20.8	123 124 129	62 6411	
4327	6.2	12 27.66	3.5996	.0762	62 24 37.2	19.615	.100	20.8	126 127 130	62 6412	F. Tucan 25 G
4328	7.7	12 51.45	3.6131	.0792	63 11 27.1	19.622	.099	19.8	40 41 44	63 4868	
4329	8.8	13 2.08	3.6291	.0825	63 56 39.6	19.625	.099	19.8	37 38 43	64 4334	
4330	9.4	13 39.04	3.6091	.0798	63 24 16.3	19.636	.097	19.8	42 45 46 47	63 4872	
4331	8.2	23 14 12.35	+3.6608	−.0907	−65 42 45.1	+19.646	+.098	20.8	128 131	65 4121	
4332	8.6	15 7.86	3.5649	.0741	62 8 56.8	19.662	.093	20.8	123 124 129	62 6414	
4333	9.4	15 50.22	3.6229	.0864	65 2 33.5	19.674	.093	20.8	126 127 130	65 4124	MZ 33596
4334	8.9	15 59.11	3.6228	.0867	65 6 45.7	19.676	.092	19.8	40 41 44	65 4125	
4335	8.9	16 4.58	3.5938	.0812	63 57 16.2	19.678	.092	19.8	37 38 43	64 4341	
4336	8.7	23 17 18.26	+3.5428	−.0735	−62 13 16.3	+19.698	+.087	19.8	42 46 47	62 6416	MZ 6778
4337	8.1	17 56.38	3.6124	.0885	65 40 24.5	19.708	.088	20.8	128 131	65 4133	
4338	8.4	17 58.94	3.5256	.0713	61 42 31.5	19.709	.085	20.8	123 124 129	61 6738	
4339	8.3	18 9.33	3.5491	.0762	62 59 41.7	19.712	.086	20.8	126 127 130	63 4879	
4340	7.8	18 18.94	3.5245	.0717	61 56 14.7	19.714	.085	19.8	40 41 44	62 6417	
4341	8.2	23 18 43.63	+3.5934	−.0863	−65 18 11.3	+19.721	+.085	19.8	42 45 46 47	65 4135	
4342	8.5	18 43.89	3.5239	.0723	62 2 38.1	19.721	.084	19.8	37 38 43	62 6418	
4343	8.8	18 52.17	3.5681	.0814	64 16 35.5	19.723	.085	20.8	128 131	64 4346	
4344	8.4	19 4.69	3.5585	.0798	63 56 51.0	19.726	.084	20.8	123 124 129	64 4347	
4345	9.0	19 11.92	3.5100	.0704	61 33 53.5	19.728	.082	20.8	126 127 130	61 6740	
4346	8.6	23 19 55.24	+3.5319	−.0760	−63 8 6.7	+19.739	+.081	19.8	40 41 44	63 4885	
4347	7.4	22 5.85	3.5171	.0772	63 39 0.1	19.771	.076	19.8	37 38 43	63 4888	
4348	7.5	22 48.78	3.4994	.0748	63 9 0.5	19.782	.074	19.8	42 46 47	63 4889	
4349	7.9	23 11.69	3.4681	.0690	61 35 59.7	19.787	.073	20.8	128 131	61 6746	
4350	8.8	23 20.70	3.4863	.0731	62 45 39.8	19.789	.073	20.8	123 124 129	63 4890	

(1) 123, 124, 129. (2) 129.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
4351	5.4	23h24 41s.08	+3s.4847	−s.0755	−63°31′25″.6	+19″.807	+″.070	20.8	126 127 130	63°4891	F. Tucan. 33 G
4352	8.3	26 37.15	3.4475	.0712	62 37 25.0	19.833	.065	19.8	40 41 44	62 6422	
4353	7.9	26 58.25	4.4805	.0796	64 47 8.3	19.837	.065	19.8	37 38 43	65 4143	
4354	9.0	27 13.88	3.4522	.0736	63 20 30.2	19.840	.063	19.8	42 46 47	63 4894	
4355	9.0	27 36.72	3.4724	.0792	64 46 13.0	19.845	.063	20.8	128 131	65 4144	
4356	9.0	23 27 40.18	+3.4318	−.0698	−62 21 51.5	+19.846	+.062	20.8	123 124 129	62 6424	
4357	7.6	28 10.99	3.4532	.0760	64 4 6.4	19.852	.061	20.8	126 127 130	64 4354	
4358	8.8	29 2.47	3.4371	.0741	63 41 59.7	19.862	.059	19.8	42 46 47	63 4901	
4359	8.0	29 18.04	3.4384	.0751	63 58 26.8	19.865	.059	19.8	40 41 44	64 4357	
4360	8.1	29 40.59	3.4054	.0679	62 4 2.6	19.870	.057	19.8	37 38 43	62 6427	MZ 6797
4361	8.8	23 30 56.50	+3.3891	−.0668	−61 52 41.0	+19.884	+.054	20.8	123 124 129	62 6428	
4362[a]	7.5	30 56.81	3.4370	.0789	65 6 15.5	19.884	.055	20.8	128 131	65 4148	D Tuc. L 9518
4363[b]	9.0	32 14.56	3.4114	.0758	64 30 9.4	19.898	.052	20.8	127 130	64 4363	D *h* 5407
4364	8.0	32 18.75	3.3913	.0706	63 10 12.9	19.899	.051	19.8	37 38 40 41[1]	63 4907	
4365	9.0	32 28.16	3.3895	.0705	63 9 56.5	19.900	.051	19.8	37 38 43	63 4909	
4366	8.8	23 33 30.96	+3.3645	−.0666	−62 8 44.5	+19.911	+.048	19.8	42 46 47	62 6433	
4367	9.0	33 44.50	3.4120	.0802	65 44 52.3	19.913	.048	20.8	128 131	66 3786	
4368[c]	8.2	34 27.61	3.3838	.0744	64 27 7.2	19.920	.047	20.8	123 124 129	64 4366	
4369	7.0	34 32.38	3.3675	.0701	63 18 3.7	19.921	.046	19.8	40 41 44	63 4913	
4370	8.8	34 34.20	3.3878	.0759	64 49 45.3	19.922	.046	20.8	126 127 130	65 4133	MZ 33627
4371	8.6	23 34 36.04	+3.3652	−.0696	−63 10 31.2	+19.922	+.046	19.8	37 38 43	63 4914	
4372	9.0	34 51.59	3.3696	.0716	63 45 15.5	19.924	.045	20.8	124 129	64 4368	
4373	9.0	34 54.30	3.3679	.0712	63 39 38.6	19.925	.045	19.8	42 46 47	63 4915	
4374	9.0	34 55.44	3.3651	.0705	63 27 41.3	19.925	.045	20.8	128 131	63 4916	
4375	8.9	35 54.86	3.3514	.0694	63 17 4.4	19.934	.043	20.8	127 130	63 4917	
4376	8.7	23 36 36.52	+3.3744	−.0783	−65 41 33.3	+19.941	+.042	19.8	40 41 44	65 4156	
4377[d]	9.0	36 41.86	3.3251	.0639	61 43 58.9	19.941	.041	19.8	37 38 43	62 6435	
4378	8.9	37 31.55	3.3290	.0674	62 56 27.9	19.949	.039	19.8	42 46 47	63 4921	
4379	8.6	39 5.92	3.3287	.0724	64 33 28.2	19.962	.036	20.8	128 131	64 4372	
4380	8.6	39 29.58	3.3392	.0773	65 50 51.8	19.965	.035	20.8	127 130	66 3791	
4381	8.3	23 39 30.27	+3.3217	−.0715	−64 22 31.6	+19.965	+.035	20.4	37 38 123 124[2]	64 4373	
4382	7.7	39 43.81	3.2962	.0639	62 8 45.7	19.966	.034	19.8	40 41 44	62 6437	MZ 6811
4383	8.9	39 50.77	3.3178	.0714	64 23 44.6	19.967	.034	19.8	37 38 43	64 4374	
4384	6.4	40 4.80	3.3196	.0729	64 49 18.4	19.969	.034	19.8	42 46 47	65 4159	[Tucanae L 9571, 36 G
4385	7.4	40 10.08	3.3178	.0726	64 45 21.9	19.970	.033	20.8	128 131	65 4160	
4386	8.8	23 40 16.50	+3.3203	−.0738	−65 5 33.6	+19.971	+.033	20.8	123 124 129	65 4161	
4387	8.9	40 24.53	3.2835	.0619	61 33 21.3	19.972	.032	20.8	127 130	61 6763	
4388	8.7	41 11.37	3.2818	.0638	62 19 35.9	19.977	.031	19.8	40 41 44	62 6441	
4389	8.9	41 53.20	3.2941	.0707	64 30 6.7	19.982	.029	19.8	37 38 43	64 4377	
4390	9.1	41 53.93	3 2986	.0724	64 57 35.1	19.982	.029	19.8	42 46 47	65 4164	
4391	9.0	23 42 12.71	+3.2957	−.0726	−65 3 54.1	+19.984	+.029	20.8	128 131	65 4165	
4392	8.4	42 26.53	3.2921	.0722	64 59 24.6	19.986	.028	20.8	123 124 129	65 4166	
4393	9.0	42 31.75	3.2884	.0712	64 43 37.7	19.987	.028	20.8	126 127 130	65 4167	
4394	7.7	43 35.55	3.2841	.0741	65 39 28.1	19.993	.026	19.8	40 41 44	65 4173	Tucanae B 7327
4395	9.1	43 39.11	3.2734	.0700	64 35 58.9	19.994	.025	19.8	37 38 43	64 4380	
4396	8.5	23 44 21.87	+3.2473	−.0627	−62 25 31.0	+19.998	+.024	19.8	42 46 47	62 6443	
4397	8.8	44 41.04	3.2655	.0716	65 8 50.7	20.000	.023	20.8	128 131	65 4174	
4398	7.4	45 43.15	3.2380	.0646	63 15 21.3	20.006	.021	20.8	123 124 129	63 4931	
4399	8.9	47 1.88	3.2132	.0594	61 41 40.3	20.013	.018	20.8	126 127 130	61 6771	MZ 6824
4400	8.2	47 8.07	3.2392	.0723	65 43 56.1	20.013	.018	19.8	40 41 44	66 3803	

[a] D *h* 5403. [b] *s* 1ª 0′1N. [c] *p* 1ª ✱ 9.5 0′48. [d] *s* 2ª ✱ 9.6 0′38. [1] 44. [2] 129.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
4401	8.4	23h47m44s.78	+3s.2276	—s.0700	—65°13′17″.6	+20″.016	+″.017	19.8	37 38 43	65°4175	
4402	9.0	49 40.82	3.1867	.0595	62 8 37.2	20.025	.012	19.8	42 46 47	62 6451	
4403	7.2	52 12.80	3.1630	.0615	63 17 24.6	20.033	.007	20.8	128 131	63 4938	
4404	6.2	53 24.18	3.1495	.0611	63 22 28.1	20.037	.005	20.8	123 124 129	63 4940	[Tucanae L 9658, 4a G
4405	8.3	53 32.79	3.1441	.0578	62 10 47.5	20.037	.004	20.8	126 127 130	62 6456	MZ 6837
4406	5.1	23 53 39.40	+3.1511	—.0650	—64 42 53.1	+20.037	+.004	19.8	40 41 44	64 4391	ζ Tucanae
4407	7.2	54 27.98	3.1373	.0607	63 25 19.7	20.039	+.003	19.8	37 38 43	63 4941	
4408	8.3	54 57.66	3.1281	.0567	62 0 14.9	20.040	+.002	19.8	42 46 47	62 6459	
4409	8.4	56 50.25	3.1121	.0637	64 53 1.7	20.043	—.002	20.8	128 131	65 4190	
4410	7.6	57 38.38	3.1002	.0589	63 20 28.1	20.044	—.004	20.8	123 124 129	63 4944	
4411	9.3	23 58 41.75	+3.0870	—.0545	—61 48 36.3	+20.045	—.006	20.8	127 129 130	62 6465	
4412	8.6	59 55.08	3.0738	.0616	64 1 6.6	20.045	.008	19.8	41 44	64 4396	

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
1		3h32m52s.87	+0s.9739	+s.0218	—62°58′22″.6	+12″.002	—″.119	20.9	134		
2	9.3	34 22.95	0.9722	.0217	62 52 44.0	11.896	.119	20.9	136	63°240	
3		4 20 21.95	0.8100	.0189	61 49 3.1	8.443	.110	21.0	142		
4	8.8	5 19 45.93	0.0434	.0170	66 30 57.9	3.501	.007	20.9	134	66 397	
5		6 38 19.73	0.5747	—.0005	62 10 56.0	— 3.337	.081	21.0	142		
6	9.1	7 9 1.07	+0.4164	—.0141	—64 19 56.2	— 5.946	—.055	21.1	145	64 675	
7	9.4	49 53.20	0.7859	.0155	62 35 17.8	9.248	.097	21.1	144	62 901	
8	9.8	56 30.35	0.7021	.0187	63 46 35.6	9.758	.085	20.1	70	63 854	
9	9.1	58 6.10	0.5887	.0220	64 54 33.5	9.879	.070	21.1	149	64 795	
10	9.1	8 18 56.07	0.8541	.0185	63 39 28.5	11.422	.098	20.1	67	63 930	
11	6.2	8 35 27.23	+0.9377	—.0185	—64 0 38.8	—12.578	—.101	20.1	70	63 1010	
12	9.1	9 5 32.38	1.0139	.0202	65 52 26.7	14.514	.096	19.7	4 61	65 1078	
13		12 42.07	1.0900	.0181	65 47 32.2	14.938	.100	20.1	61		
14		24 59.07	1.1714	.0163	66 14 48.1	15.632	.100	21.1	149		
15	9.9	43 0.10	1.5430	.0033	63 48 48.7	16.570	.119	19.2	8	63 1166	
16	9.9	9 48 55.82	+1.4626	+.0006	—62 50 25.9	-16.855	—.124	20.1	61	62 1336	
17	9.1	56 12.95	1.7238	.0028	62 59 51.8	17.192	.122	20.2	73	62 1381	
18	9.4	56 14.34	1.6381	.0003	64 24 12.5	17.292	.115	21.1	149	64 1136	
19	9.9	10 3 11.43	1.7110	.0031	64 24 30.5	17.497	.114	20.2	78	64 1176	
20	9.8	11 4.57	1.8283	.0074	63 49 36.0	17.825	.114	21.2	154	63 1338	
21	9.2	10 20 23.37	+1.9847	+.0126	—62 38 48.2	—18.181	—.114	21.2	154	62 1552	
22	9.1	21 38.18	1.9398	.0119	63 51 0.6	18.226	.110	19.3	12	63 1387	
23	9.4	37 43.20	2.1254	.0196	63 37 44.8	18.767	.101	19.2	7	63 1559	
24[a]		40 33.99	2.1503	.0209	63 47 27.2	18.853	.098	19.4	14	63 1607	D
25	9.1	47 57.36	2.2518	.0247	63 16 36.2	19.062	.094	20.2	78	63 1706	
26	9.0	10 58 40.52	+2.3270	+.0301	—64 38 33.3	—19.331	—.081	20.3	87		
27	9.7	11 33 17.09	2.7544	.0487	63 58 35.3	19.909	.038	19.2	2	63 1929	
28	9.4	39 6.72	2.8425	.0487	62 9 14.3	19.962	.029	20.2	80	61 2546	
29[b]	8.8	49 16.10	2.9445	.0574	64 0 9.5	20.023	.012	19.5	19	63 2021	D
30	9.4	12 0 46.38	3.0817	.0611	63 6 59.3	20.045	+.010	20.3	91	62 2565	

(a) D *l p*. (b) D *l p*.

N°	M.	α 1925.0	Prec.	Var. Sec.	δ 1925.0	Prec.	Var. Sec.	Ep. 1900	Zonas	C. P. D.	Obser.
31	9.6	12h 2m 2s.46	+3s.0984	+s.0672	−65° 4′ 27″.1	−20″.044	+″.013	20.2	84	64°1793	
32	9.2	10 13.42	3.1867	.0636	62 22 6.0	20.025	.029	21.3	158 163	62 2637	
33[a]		19 41.76	3.3037	.0718	63 34 15.5	19.971	.050	20.3	91	63 2261	D
34	9.3	43 11.43	3.6154	.0900	65 13 29.7	19.690	.107	20.3	89	64 2010	
35	9.5	55 55.48	3.7317	.0891	63 53 18.1	19.451	.140	20.3	89	63 2477	
36	9.5	13 6 3.08	+3.8567	+.0942	−64 8 24.8	−19.218	+.168	21.2	156	63 2589	
37	8.9	23 39.39	4.0329	+.0969	63 34 18.8	18.724	.218	20.3	91	63 2773	
38	9.0	23 58.25	4.1330	.1104	65 41 26.4	18.714	.224	20.3	97	65 2344	
39	9.1	27 49.68	4.0326	.0924	62 29 25.3	18.591	.228	19.5	17	62 3346	
40	9.1	47 53.78	4.2567	.0987	62 52 51.3	17.864	.289	20.3	97	62 3709	
41	9.2	13 58 19.03	+4.3941	+.1036	−63 27 44.6	−17.432	+.324	20.2	71	63 3105	
42	9.9	14 16 28.80	4.5279	.1006	62 44 16.5	16.594	.377	21.3	164	62 4085	
43	9.1	19 29.52	4.7588	.1206	65 36 50.7	16.448	.404	20.4	99	65 2715	
44	9.9	24 2.45	4.6519	.1057	63 32 24.8	16.214	.405	20.3	103	63 3270	
45	9.6	24 54.51	4.7050	.1099	64 10 23.4	16.169	.412	21.3	161	63 3274	
46	9.8	14 45 33.96	+4.8568	+.1053	−63 38 39.8	−15.037	+.475	20.5	108	63 3426	
47	9.2	56 59.35	4.9810	.1056	63 57 0.1	14.358	.513	20.3	93	63 3480	
48	9.6	15 2 55.46	5.2412	.1213	66 10 51.5	13.991	.554	20.4	99	65 2988	
49		27 34.27	5.3129	.1037	64 50 52.7	12.371	.615	20.3	89		
50	9.2	43 11.25	5.2948	.0895	63 32 50.7	11.268	.644	20.2	81	63 3686	
51	9.4	15 47 0.27	+5.5746	+.1030	−65 55 19.6	−10.990	+.684	20.2	85 86	65 3162	
52	9.3	57 57.30	5.5011	.0891	64 37 36.3	10.177	.696	20.2	81	64 3364	
53		16 32 46.35	5.4421	.0592	62 21 11.5	7.445	.740	19.7	24		
54		17 43 24.61	5.6215	.0127	62 23 6.0	1.450	.818	20.6	112		
55	9.4	47 6.34	5.7893	.0109	63 50 4.5	1.127	.843	19.6	25	63 4165	
56		17 47 35.98	+5.6897	+.0100	−62 58 31.1	− 1.084	+.829	21.5	173		
57	9.1	18 34 59.81	5.6090	−.0243	62 28 58.0	+ 3.049	.807	20.6	117	62 5927	
58		58 33.71	5.6252	.0420	63 7 39.6	5.067	.792	19.6	31		
59		20 1 0.16	5.3301	.0774	62 54 28.5	10.098	.667	19.8	39		
60	9.6	22 2 40.98	4.2987	.0919	61 53 34.8	17.475	.300	21.7	182	62 6303	
61	9.5	22 3 43.01	+4.2984	−.0928	−62 4 43.7	+17.519	−.297	19.8	42	63 6307	

[a] D / s.

BIBLIOTECA DE LA

ERRATAS

TOMO I

Página 44. Respecto al valor del tornillo, véase tomo IV, página 5.

Página 72, línea 29, donde dice *dando cada una;* léase *dando en conjunto.*

Páginas 81-84. Estas observaciones han sido discutidas nuevamente por Aguilar en la *Revista de la Universidad de Buenos Aires*, número 127; los nuevos resultados serán incluídos en una publicación sobre la posición geográfica del Observatorio, en preparación.

Páginas 115-118. Varias correcciones en esta lista aparecerán en breve, conjuntamente con las medidas de las mismas estrellas.

Página 115, línea 18, donde dice *22 de octubre;* léase *28 de octubre.*

TOMO V

Página 46, estrella 2282, Ep., donde dice *16.2;* léase *17.2.*

Página 102, estrella 5056, Decl., donde dice $+53°$; léase $-53°$.

Página 149. Las Var. Sec. en declinación deben ser negativas para las estrellas del 7404 al 7412.

ACABO