

OBSERVATORIO ASTRONÓMICO DE LA UNIVERSIDAD NACIONAL DE LA PLATA

DIRECTOR : D^r JUAN HARTMANN

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ESTRELLAS EROS

PARA LA

OPOSICIÓN DEL AÑO 1931

OBSERVADAS POR

HUGO A. MARTÍNEZ

Astrónomo en el Observatorio Astronómico



LA PLATA

OBSERVATORIO ASTRONÓMICO

—
1933

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ESTRELLAS EROS PARA LA OPOSICIÓN DEL AÑO 1931

Las estrellas de referencia a utilizarse en la oposición del planeta *Eros*, comprendidas en el siguiente catálogo, las he observado, según las indicaciones del Director del Observatorio Astronómico, doctor Juan Hartmann, con el Círculo Meridiano Gautier de 213 milímetros de abertura. En todas las observaciones, efectuadas en ambas posiciones del instrumento, se aplicó el filtro amarillo de la marca Schott GG 11.

Del programa preparado por el profesor A. Kopff, solamente la segunda y tercera parte fué posible observar desde nuestro Observatorio y a ellas se refiere este trabajo. Se ha agregado una pequeña lista, propuesta por el doctor Hartmann, en prolongación de la trayectoria aparente del planeta; las estrellas de esta última lista llevan la numeración del catálogo de Alger, volumen VIII. Las estrellas Kopff, números 517, 732, 740, 745, y 775, no pudieron observarse por ser demasiado débiles.

Para las estrellas fundamentales se utilizaron las posiciones de Eichelberger, obtenidas del *American Ephemeris* y del *Almanaque Náutico* de San Fernando, pudiéndose siempre aplicar las mismas 14 fundamentales. A continuación se da una tabla de las correcciones relativas a aplicar a estas posiciones de Eichelberger, obtenidas de 59 de las 100 noches de observación, desechando, en el cálculo de estas correcciones, 41 noches por no haberse observado en ellas más de 11 de las 14 estrellas.

En las observaciones, que se han efectuado en los años 1926, 1927, 1928, 1929 y 1931, prestó su ayuda el señor Miguel Agabios, quien también cooperó, conjuntamente con el señor Garbarino, en los cálculos y reducciones.

La Plata, agosto 1933.

HUGO ARTURO MARTÍNEZ.

Correcciones a las posiciones de Eichelberger

	α	δ	$\Delta\alpha$	E. P. α	$\Delta\delta$	E. P. δ	Número de observaciones
γ Pyxidis	8 ^h 47 ^m 34 ^s	-27°27'0	-0°019	$\pm 0''127$	-0''11	$\pm 0''076$	49
ξ Hydrae	51 41	+ 6 12.8	- .008	.113	+ .06	.068	55
α Cancr.	54 40	+12 7.8	+ .011	.102	- .40	.059	55-56
θ Hydrae	9 10 43	+ 2 36.6	- .003	.075	- .06	.060	56-58
83 Cancr.	15 4	+18 0.2	+ .017	.100	- .04	.073	53-52
α Hydrae	24 8	- 8 21.3	.000	.078	.00	.062	57-58
ε Antliae	26 21	-35 38.7	- .003	.120	+ .24	.058	56-58
41 Leonis Min.	10 39 37	+23 33.3	- .005	.114	+ .09	.077	56-53
ν Hydrae	46 10	-15 49.6	+ .007	.099	+ .14	.059	59
ι Antliae.	53 27	-36 45.7	- .031	.097	- .21	.066	51-57
χ Leonis	11 1 24	+ 7 42.9	+ .017	.107	+ .24	.074	56
χ^1 Hydrae.	1 57	-26 54.9	+ .016	.103	- .08	.077	52
β Crateris.	8 12	-22 26.6	+ .010	.087	+ .10	.070	56-57
δ Leonis	10 23	+20 54.5	+ .023	.127	+ .07	.079	51-52

Catálogo. Lista II de Kopff

Nº Kopff	Mag.	α 1930.0	Prec.	Var. Sec.	E. P.	δ 1930.0	Prec.	Var. Sec.	E. P.	Época 1920 +	Nº de observ.	B. D.
420	9.9	9 ^h 31 ^m 2 ^s 82	+2.6708	+0.0045	±.92	-26° 26' 12.8	-15.958	-0.229	±.36	7.9	5	-26° 7206
421	10.0	31 3.10	2.6769	.0044	.71	26 5 30.1	15.958	.229	.47	7.8	7	25 7311
422	8.2	31 32.54	2.6866	.0043	.81	25 35 54.9	15.984	.230	.09	7.8	5	25 7322
423	9.4	31 58.25	2.6624	.0047	.27	27 2 24.3	16.007	.227	.30	8.2	7	26 7229
424	8.5	33 1.92	2.6891	.0044	.62	25 38 52.1	16.062	.228	.45	7.6	6	25 7343
425	8.1	9 33 23.34	+2.6663	+0.0048	±.44	-27 0 23.4	-16.081	-0.227	±.09	7.8	5	-26 7262
426	8.2	33 45.41	2.6753	.0047	.44	26 32 35.0	16.100	.226	.33	7.9-8.2	5-4	26 7269
427	9.4	33 54.10	2.7037	.0043	.40	24 54 2.0	16.108	.228	.28	8.2	7	24 8273
428	9.2	34 46.30	2.6935	.0045	.38	25 37 6.2	16.153	.226	.39	7.6	6	25 7366
429	8.6	35 3.21	2.6866	.0046	.50	26 3 27.5	16.167	.225	.58	7.9	5	25 7371
430	9.1	9 35 41.31	+2.7112	+0.0043	±.36	-24 40 56.8	-16.200	-0.226	±.12	7.9	5	-24 8302
431	10.0	35 57.38	2.6731	.0049	.68	26 58 15.2	16.214	.222	.39	7.6	6	26 7300
432	9.1	36 2.48	2.6817	.0048	.17	26 28 57.9	16.218	.223	.25	8.4-8.2	6-7	26 7301
433	9.9	36 18.57	2.6988	.0046	.84	25 30 34.1	16.232	.224	.49	7.9	5	25 7381
434	9.4	36 41.15	2.7188	.0043	.54	24 21 25.9	16.251	.225	.54	7.8	5	24 8314
435	8.8	9 37 24.08	+2.6931	+0.0048	±.54	-25 59 45.4	-16.288	-0.222	±.38	7.6	6	-25 7396
436	10.2	37 30.58	2.6781	.0051	.60	25 53 55.4	16.294	.220	.49	8.1-7.9	4-8	26 7329
437	8.7	38 33.00	2.7016	.0048	.68	25 38 42.0	16.346	.221	.31	7.6	6	25 7415
438	9.5	38 48.26	2.6890	.0050	.43	26 26 13.4	16.359	.220	.25	7.9-8.1	5-6	26 7349
439	8.9	38 49.99	2.7299	.0043	.44	23 57 12.4	16.361	.223	.27	7.8	5	23 8639
440	10.0	9 38 51.70	+2.7082	+0.0047	±.66	-25 17 20.3	-16.362	-0.221	±.44	8.2	7	-25 7420
441	9.5	38 55.78	2.7227	.0044	.76	24 24 41.2	16.366	.222	.43	7.1	6	24 8364
442	9.5	39 22.20	2.6962	.0049	.58	26 5 8.7	16.388	.219	.51	7.9	7	25 7425
443	9.2	39 38.05	2.6849	.0052	.82	26 47 42.7	16.401	.218	.09	7.9	5	26 7360
444	9.5	39 52.17	2.7381	.0042	.44	23 34 42.6	16.413	.222	.42	7.7	5	23 8654
445	8.9	9 39 58.82	+2.7291	+0.0044	±.59	-24 9 32.2	-16.418	-0.221	±.40	8.0-7.6	5-6	-23 8656
446	8.5	41 1.58	2.7232	.0046	.32	24 39 40.5	16.471	.219	.18	8.0-7.6	5.6	24 8402
447	8.3	41 23.99	2.7498	.0042	.78	23 2 20.7	16.489	.221	.35	8.5-8.3	7-8	22 2706
448	8.8	41 29.33	2.6932	.0052	.30	26 33 58.4	16.494	.216	.39	7.6	6	25 7387
449	8.8	41 50.34	2.6994	.0051	.48	26 14 24.7	16.511	.216	.37	7.9	5	25 7461
450	9.3	9 41 50.62	+2.7315	+0.0046	±.59	-24 15 14.0	-16.511	-0.219	±.48	8.1	4	-24 8413
451	8.8	41 53.31	2.7241	.0047	.50	24 43 32.7	16.514	.218	.25	7.9	7	24 8415
452	9.4	42 2.32	2.7396	.0044	1.03	23 46 21.6	16.521	.219	.33	8.0-7.6	5-6	23 8601
453	9.1	42 14.98	2.7129	.0049	.77	25 28 24.6	16.531	.217	.42	8.3	4	25 7464
454	8.0	42 50.88	2.7068	.0051	.55	25 56 10.5	16.561	.215	.40	7.6	6	25 7471
455	9.2	9 43 14.37	+2.7638	+0.0041	±.43	-22 22 25.2	-16.580	-0.219	±.27	8.0-7.6	5-6	-22 2712
456	8.3	43 18.35	2.7173	.0050	.30	25 20 54.7	16.584	.216	.30	8.0	5	25 7477
457	9.1	43 21.74	2.7581	.0042	.44	22 45 29.8	16.586	.219	.31	8.2	7	22 2713
458	9.0	43 37.44	2.7490	.0044	.69	23 22 58.3	16.599	.218	.37	8.0	7-8	23 8718
459	8.7	43 50.52	2.7427	.0046	.51	23 48 58.3	16.610	.217	.33	7.6	6	23 8726
460	9.2	9 45 7.30	+2.7670	+0.0042	±.69	-22 24 45.4	-16.672	-0.217	±.25	8.0-7.6	5-6	-22 2722
461	8.8	45 9.11	2.7367	.0048	.56	24 23 14.4	16.674	.214	.47	7.6	6	24 8473
462	8.4	45 21.90	2.7241	.0050	.44	25 12 56.1	16.684	.213	.35	7.9	5	24 8477
463	9.0	45 49.81	2.7763	.0041	.75	21 53 3.2	16.707	.217	.33	8.2	7	21 2915
464	8.8	45 58.74	2.7305	.0050	.55	24 54 1.9	16.714	.213	.37	7.9-8.0	6-7	24 8486
465	8.9	9 46 7.12	+2.7592	+0.0045	±.51	-23 3 20.8	-16.720	-0.215	±.52	7.6	6	-22 2730
466	9.2	46 8.69	2.7878	.0039	.32	21 9 19.4	16.722	.217	.30	8.0-7.6	5-6	20 3024
467	9.1	46 10.46	2.7813	.0040	.38	21 35 45.2	16.723	.216	.44	8.0	6	21 2916
468	9.2	46 25.20	2.7557	.0045	.82	23 19 46.6	16.735	.214	.53	7.8	6	22 2731
469	8.6	46 35.47	2.7195	.0053	.82	25 41 29.7	16.743	.211	.31	7.9	5	25 7522

N° Kopff	Mag.	α 1930.0	Prec.	Var. Sec.	E. P.	δ 1930.0	Prec.	Var. Sec.	E. D.	Época 1920 +	N° de observ.	B. D.
470	8.3	9 ^h 46 ^m 45. ^s 39	+2.7456	+0.0048	±.55	-24° 2' 18".4	-16".751	-0".213	±".27	8.2	7	-23° 8' 773
471	9.0	47 7.46	2.7404	.0049	.91	24 25 30.1	16.769	.212	.43	8.0	4	24 8504
472	9.8	47 23.32	2.7338	.0051	.87	24 53 31.6	16.781	.211	.26	8.2	5	24 8509
473	9.0	47 24.83	2.7961	.0038	.70	20 45 1.4	16.783	.216	.49	7.6-7.8	6-8	20 3031
474	8.3	47 33.28	2.7907	.0040	.43	21 8 4.6	16.789	.215	.60	8.0	6	20 3033
475	9.0	9 47 36.51	+2.7169	+0.0055	±.49	-26 0 19.6	-16.792	-0.209	±.41	7.9	5	-25 7533
476	8.9	48 0.76	2.7695	.0044	.61	22 38 3.1	16.811	.213	.33	8.2	7	22 2741
477	9.0	48 5.72	2.7243	.0054	.50	25 36 23.1	16.815	.209	.50	7.8-7.6	5-6	25 7543
478	9.4	48 13.59	2.7633	.0046	.41	23 4 41.8	16.821	.212	.33	7.9	5	22 2742
479	9.3	48 46.26	2.7461	.0050	.74	24 17 45.2	16.847	.210	.32	7.8	5	24 8525
480	8.8	9 49 0.76	+2.7571	+0.0048	±.59	-23 35 51.9	-16.859	-0.210	±.15	7.9	5	-23 8806
481	7.9	49 20.94	2.7609	.0047	.46	23 23 45.2	16.875	.210	.44	7.6	6	23 8812
482	9.3	49 42.31	2.7879	.0042	.56	21 36 37.5	16.891	.212	.48	7.8	5	21 2928
483	9.2	49 58.72	2.8049	.0039	.56	20 28 11.7	16.904	.213	.36	8.2	7	20 3040
484	9.0	50 9.74	2.8019	.0039	.62	20 42 5.1	16.913	.212	.55	7.8	7	20 3042
485	8.2	9 50 10.17	+2.7258	+0.0056	±.48	-25 49 47.0	-16.913	-0.206	±.28	7.9	5	-25 7574
486	8.3	50 18.21	2.7572	.0049	.57	23 46 40.8	16.920	.208	.32	7.6	6	23 8831
487	9.0	50 35.11	2.7811	.0045	.77	22 11 57.6	16.933	.210	.47	8.2	7	21 2933
488	8.9	50 39.51	2.8198	.0036	.42	19 29 52.2	16.936	.213	.31	7.8	6	19 2856
489	8.3	50 54.91	2.7331	.0054	.73	25 8 18.3	16.948	.206	.21	7.8	5	24 8551
490	8.5	9 51 3.54	+2.8140	+0.0037	±.58	-19 57 38.4	-16.955	-0.212	±.35	8.0-8.2	6-7	-19 2857
491	8.7	51 11.47	2.7709	.0047	.87	22 58 52.5	16.961	.208	.16	7.6	6	22 2756
492	9.3	51 37.47	2.7478	.0053	.58	24 36 2.9	16.981	.206	.37	7.6-7.8	6-5	24 8563
493	9.3	52 9.05	2.8179	.0037	.70	19 49 37.4	17.006	.210	.44	7.5-7.2	4-5	19 2864
494	9.2	52 35.89	2.7950	.0044	.83	21 30 30.3	17.026	.208	.07	7.8	5	21 2945
495	8.8	9 52 37.80	+2.8000	+0.0043	±.88	-21 9 40.0	-17.028	-0.208	±.49	8.2	7	-20 3051
496	8.9	52 40.34	2.7804	.0047	.74	22 32 21.9	17.030	.206	.31	7.7-7.8	8-7	22 2764
497	8.5	52 55.79	2.8254	.0037	.48	19 22 47.0	17.042	.209	.35	7.9	7	19 2871
498	9.4	52 57.46	2.7556	.0053	.66	24 16 43.5	17.043	.204	.46	7.8	5	24 8590
499	7.8	53 17.12	2.7639	.0051	.86	23 46 1.7	17.058	.204	.65	7.6	6	23 8866
500	9.3	9 53 17.56	+2.7387	+0.0057	±.67	-25 28 4.8	-17.058	-0.202	±.50	7.9	5	-25 7614
501	9.2	53 25.26	2.8106	.0040	.89	20 30 38.1	17.064	.208	.39	8.2-8.0	7-8	20 3053
502	8.7	53 28.55	2.7461	.0055	.68	25 0 8.5	17.067	.203	.21	7.8	5	24 8603
503	9.1	53 37.69	2.8410	.0033	.82	18 19 38.4	17.074	.210	.41	8.3	5	17 3015
504	9.8	53 47.80	2.8334	.0035	.99	18 54 19.7	17.081	.209	.56	7.9-7.4	4	18 2818
505	9.4	9 53 58.76	+2.7929	+0.0045	±.37	-21 51 8.1	-17.090	-0.206	±.22	7.9	5	-21 2951
506	9.2	54 17.76	2.7540	.0054	.46	24 35 46.7	17.104	.202	.35	7.9	5	24 8613
507	9.0	54 54.92	2.7711	.0052	.59	23 30 42.5	17.132	.203	.28	7.6	6	23 8883
508	9.2	55 5.46	2.8038	.0044	1.00	21 13 43.9	17.140	.205	.22	7.8	5	20 3061
509	9.2	55 8.07	2.8214	.0040	.86	19 57 26.6	17.142	.206	.45	8.2	7	19 2877
510	9.0	9 55 15.47	+2.8088	+0.0043	±.83	-20 53 27.3	-17.148	-0.205	±.69	7.9-7.7	7-8	-20 3063
511	7.7	55 21.07	2.7650	.0053	.36	24 0 5.9	17.152	.202	.41	8.0-7.9	4-5	23 8889
512	8.8	56 13.56	2.7774	.0051	.57	23 16 5.5	17.192	.201	.41	7.8-7.6	5-6	22 2788
513	10.0	56 24.55	2.8394	.0036		18 47 46.1	17.200	.205		7.0-6.6	1-2	18 2822
514	9.2	56 26.75	2.8065	.0045	.07	21 13 35.8	17.202	.203	.26	7.8	5	20 3066
515	9.3	9 56 31.39	+2.8256	+0.0040	±.38	-19 50 17.2	-17.205	-0.204	±.55	8.2-7.9	5-6	-19 2889
516	9.2	56 41.15	2.7567	.0057	.48	24 47 5.3	17.212	.199	.34	7.9	5	24 8647
518	8.8	57 2.28	2.8576	.0032	.33	17 29 36.2	17.228	.206	.27	7.9	5	17 3030
519	9.3	57 3.74	2.8472	.0035	.83	18 17 29.5	17.229	.205	.39	8.6	6	17 3032
520	9.8	57 42.83	2.7723	.0055	.67	23 51 21.4	17.258	.198	.36	7.9	5	23 8919

N° Kopff	Mag.	α 1930.0	Prec.	Var. Sec.	E. P.	δ 1930.0	Prec.	Var. Sec.	E. P.	Época 1920 +	N° de observ.	B. D.
521	8.7	9 ^b 58 ^m 1 ^s .88	+2.8350	+0.0039	±.47	-19°20' 11".6	-17.272	-0.202	±.36	7.8	5	-18°2827
522	9.0	58 6.65	2.8654	.0031	.65	17 1 43.0	17.276	.205	.47	8.2	7	16 2942
523	8.8	58 12.07	2.8502	.0035	.57	18 12 7.5	17.280	.203	.26	7.9	7	17 3037
524	9.0	58 18.20	2.7563	.0059	.45	25 4 24.3	17.284	.196	.52	7.8-7.6	5-6	24 8674
525	8.8	58 24.48	2.8184	.0044	.53	20 37 41.0	17.289	.200	.33	8.0	6	20 3074
526	8.9	9 58 29.31	+2.7825	+0.0053	±.08	-23 15 12.3	-17.293	-0.198	.37	7.8	5	-22 2807
527	9.5	58 32.85	2.8246	.0043	.72	20 10 53.5	17.295	.201	.28	8.7	7	19 2894
528	8.6	58 40.35	2.8581	.0034	.53	17 39 17.1	17.301	.203	.46	8.3	5	17 3038
529	8.6	59 3.75	2.8450	.0037	.22	18 42 41.2	17.318	.202	.09	7.8	5	18 2829
530	9.0	59 5.46	2.7656	.0058	.16	24 33 5.2	17.319	.196	.34	7.9	5	24 8686
531	8.4	9 59 7.91	+2.8842	+0.0026	±.73	-15 40 40.7	-17.321	-0.204	±.32	8.0	6	-15 2966
532	9.2	59 14.95	2.8773	.0028	.50	16 13 46.6	17.326	.204	.24	7.9	7	15 2967
533	9.0	59 18.12	2.7776	.0055	.68	23 43 47.4	17.328	.196	.48	7.8	5	23 8941
534	9.0	9 59 47.67	2.8708	.0031	.57	16 48 19.2	17.350	.202	.37	7.9	6	16 2947
535	9.1	10 0 1.58	2.7643	.0059	.33	24 47 39.3	17.360	.194	.31	7.9	5	24 8704
536	9.2	10 0 36.08	+2.8498	+0.0038	±.59	-18 32 42.7	-17.385	-0.200	±.19	7.8	5	-18 2832
537	9.2	0 36.42	2.8548	.0037	.62	18 9 18.2	17.386	.200	.34	8.0-7.8	6-7	17 3045
538	9.3	0 36.62	2.8704	.0032	.65	16 56 13.5	17.386	.201	.34	7.9	7	16 2954
539	9.1	0 41.52	2.8367	.0042	.68	19 33 50.5	17.389	.198	.49	7.8	5	19 2902
540	8.8	0 41.85	2.8910	.0026	.60	15 18 32.5	17.389	.202	.41	8.3	5	14 3016
541	9.1	10 0 44.78	+2.8963	+0.0024	±.50	-14 53 5.1	-17.392	-0.203	±.48	8.3	5	-14 3017
542	9.2	0 51.64	2.8833	.0028	.72	15 56 29.9	17.397	.202	.54	8.0	6-7	15 2970
543	9.2	0 59.26	2.7922	.0054	.72	22 56 20.0	17.402	.195	.08	7.8-8.0	4-5	22 2813
544	8.7	0 59.26	2.8433	.0040	.81	19 6 5.2	17.402	.198	.27	8.3	5	18 2834
545	8.9	1 25.97	2.7831	.0056	.37	23 40 51.1	17.421	.193	.31	7.9	5	23 8980
546	9.0	10 1 27.54	+2.8599	+0.0035	±.57	-17 52 2.5	-17.423	-0.199	±.36	7.9	7	-17 3057
547	8.8	1 27.55	2.7761	.0058	.58	24 11 14.2	17.423	.193	.30	7.8	5	23 8982
548	8.3	1 49.69	2.8763	.0031	.28	16 36 45.4	17.438	.200	.27	8.0-7.8	6-7	16 2957
549	9.8	1 52.80	2.8949	.0026	.59	15 7 12.5	17.441	.201	.22	8.0	5	14 3021
550	9.5	2 2.42	2.7965	.0054	.64	22 47 30.5	17.448	.193	.32	8.2-7.8	4-5	22 2821
551	8.7	10 2 29.61	+2.9038	+0.0023	±.34	-14 28 9.3	-17.467	-0.200	±.34	7.9	7	-14 3025
552	9.6	3 6.47	2.7856	.0058	.40	23 45 56.0	17.493	.191	.38	7.9-8.0	5-4	23 9009
553	9.0	3 8.98	2.7768	.0060	.63	24 25 1.4	17.495	.190	.25	7.6	6	24 8759
554	8.1	3 11.02	2.8860	.0030	.34	15 59 48.6	17.497	.198	.24	8.4-8.0	5-6	15 2979
555	9.0	3 22.87	2.8806	.0031	.85	16 27 20.5	17.505	.197	.55	8.2-8.0	6-7	16 2967
556	7.6	10 3 24.37	+2.7993	+0.0054	±.55	-22 47 52.4	-17.506	-0.191	±.54	7.8	5	-22 2830
557	9.0	3 40.89	2.7945	.0056	.63	23 12 6.6	17.518	.190	.41	7.8	5	22 2832
558	9.2	3 41.63	2.8652	.0037	.83	17 44 25.0	17.518	.195	.23	7.9	7	17 3065
559	9.5	3 55.03	2.9101	.0023	.54	14 5 57.4	17.528	.198	.13	7.9-8.2	3-4	13 3034
560	8.4	3 57.11	2.8979	.0027	.69	15 6 46.9	17.529	.197	.24	8.3	5	14 3029
561	7.0	10 4 10.19	+2.7768	+0.0061	±.44	-24 35 34.0	-17.539	-0.188	±.36	7.9	5	-24 8775
562	9.0	4 14.66	2.8736	.0034	.79	17 8 0.5	17.542	.195	.39	8.0	5-6	16 2978
563	8.9	4 53.18	2.9033	.0026	.44	14 46 11.6	17.569	.196	.22	8.0	6	14 3033
564	9.5	4 53.45	2.9236	.0019	.55	13 4 16.7	17.569	.198	.38	8.0	6	12 3092
565	9.2	5 6.97	2.9160	.0022	.41	13 43 50.0	17.578	.197	.30	8.0-7.9	6-7	13 3039
566 ¹	7.9	10 5 37.23	+2.9270	+0.0019	±.61	-12 51 2.9	-17.600	-0.197	±.27	8.1	6	-12 3097
567	8.7	5 38.55	2.7865	.0061	.19	24 7 39.0	17.601	.187	.41	7.9	5	23 9042
568 ²	7.7	5 45.63	2.9000	.0028	.91	15 8 48.9	17.606	.195	.19	7.8	5	14 3039
569	9.8	5 47.29	2.8885	.0032	.57	16 6 19.7	17.607	.194	.18	7.7	4	15 2990
570	8.3	5 51.74	2.7990	.0058	.51	23 13 19.8	17.610	.188	.37	7.6	6	22 2844

¹ $\mu_{\alpha} = + 0''.0062$, $\mu_{\delta} = - 0''.067$. ² $\mu_{\alpha} = - 0''.0076$, $\mu_{\delta} = - 0''.188$.

N° Kopf	Mag.	α 1930.0	Prec.	Var. Sec.	E. P.	δ 1930.0	Prec.	Var. Sec.	E. P.	Época 1920 +	N° de observ.	B. D.
571	7.9	10 ^b 6 ^m 19.52	+2.9094	+0.0025	+ .50	-14° 25' 5" 3	-17.629	-0.194	+ .67	8.0	5	-14° 30' 41
572	8.7	6 25.48	2.7960	.0059	.51	23 32 37.0	17.633	.186	.25	7.9	5	23 30' 51
573	9.8	6 59.57	2.7895	.0062	.78	24 8 2.1	17.657	.185	.42	7.8-7.6	5-6	23 30' 61
574	8.9	7 8.20	2.9003	.0029	.69	15 16 48.3	17.663	.192	.47	8.0-7.6	6	14 30' 44
575	9.2	7 10.49	2.8865	.0033	.37	16 26 24.4	17.664	.191	.47	8.7-8.0	4-7	16 29' 86
576	9.0	10 7 16.34	+2.9215	+0.0022	+ .41	-13 29 7.9	-17.668	-0.194	+ .18	7.9	7	-13 30' 49
577 ¹	8.6	7 21.79	2.9330	.0018	.56	12 31 0.1	17.672	.194	.26	7.8	5	12 31' 04
578	9.2	7 25.61	2.8090	.0057	.39	22 42 55.1	17.675	.186	.46	7.9	5	22 28' 54
579	8.1	8 10.38	2.9176	.0024	.76	13 55 43.5	17.705	.192	.29	8.0-7.8	6-7	13 30' 55
580	9.2	8 11.46	2.8000	.0060	.26	23 32 21.4	17.706	.184	.29	7.8-7.4	5-7	23 30' 80
581 ²	8.7	10 8 33.58	+2.9263	+0.0022	+ .35	-13 12 59.0	-17.721	-0.192	+ .22	7.8	5	-12 31' 08
582	7.9	8 34.07	2.8170	.0057	.80	22 17 7.5	17.722	.184	.22	7.9	5	21 30' 06
583	7.0	8 50.98	2.8963	.0032	.66	15 49 56.6	17.733	.189	.24	8.2	5-6	15 30' 00
584	9.2	9 14.83	2.8059	.0060	.58	23 16 4.8	17.749	.183	.30	8.4-8.1	5-6	22 28' 65
585	8.7	9 16.06	2.9024	.0030	.81	15 21 36.1	17.750	.189	.53	8.0	6	14 30' 55
586	8.9	10 9 19.40	+2.9446	+0.0016	+ .44	-11 40 48.0	-17.752	-0.192	+ .23	7.9	7	-11 28' 25
587	8.9	9 22.71	2.9151	.0026	.57	14 16 22.6	17.755	.190	.24	7.8	5	13 30' 59
588 ³	8.9	9 23.97	2.9540	.0012	.85	10 51 19.0	17.755	.192	.49	8.3	5	10 30' 21
589	9.2	9 27.67	2.8105	.0059	.68	22 56 33.0	17.758	.182	.36	7.9	5	22 28' 67
590	9.0	9 28.25	2.9116	.0027	.79	14 35 18.7	17.758	.189	.23	8.3	4	14 30' 56
591	9.3	10 9 39.88	+2.7973	+0.0063	+ .66	-24 0 35.1	-17.766	-0.181	+ .25	7.8	5	-23 31' 03
592	9.2	10 11.18	2.9495	.0015	.61	11 19 36.8	17.787	.191	.15	7.9-8.0	4-5	10 30' 25
593	9.0	10 33.67	2.8008	.0064	.84	23 53 48.1	17.802	.180	.27	7.9	5	23 31' 11
594	9.0	10 41.25	2.9684	.0008	.88	9 40 9.4	17.808	.191	.29	8.0	6	9 30' 27
595	8.6	11 16.88	2.9215	.0026	.31	13 55 44.1	17.831	.187	.64	8.6-8.0	4-7	13 30' 65
596	9.2	10 11 20.82	+2.8168	+0.0060	+ .65	-22 46 37.3	-17.834	-0.180	+ .27	7.8-7.6	5-6	-22 28' 73
597	9.1	11 24.36	2.8205	.0059	.85	22 29 5.0	17.836	.180	.21	7.8	5	22 28' 74
598	9.3	11 25.07	2.9461	.0017	.85	11 45 16.3	17.837	.188	.35	7.7-7.9	6-7	11 28' 32
599	9.1	11 29.55	2.9309	.0022	.85	13 7 6.4	17.840	.187	.15	7.8	5	12 31' 21
600	8.7	11 36.22	2.9274	.0024	.98	13 26 53.7	17.844	.187	.44	8.3	5	13 30' 67
601	9.0	10 11 38.11	+2.9402	+0.0020	+ .85	-12 18 14.7	-17.845	-0.188	+ .28	8.0	6	-11 28' 34
602	9.7	11 59.65	2.9638	.0011	.49	10 12 2.2	17.860	.189	.27	8.3	4	9 30' 29
603 ⁴	8.0	12 11.24	2.9570	.0014	.37	10 50 18.1	17.867	.188	.51	8.2-8.0	5-7	10 30' 27
604	9.2	12 27.95	2.8117	.0063	.20	23 22 41.4	17.878	.178	.24	7.9	5	23 31' 36
605	9.0	12 41.40	2.9732	.0008	.50	9 23 10.1	17.887	.188	.25	7.8	5	9 30' 30
606	9.1	10 12 59.56	+2.9822	+0.0005	+ .90	- 8 34 34.9	-17.899	-0.188	+ .54	8.0	6	- 8 28' 85
607	9.1	13 12.02	2.8181	.0062	.57	22 59 37.8	17.907	.177	.27	7.8-7.6	5-6	22 28' 81
608	9.2	13 19.84	2.9855	.0003	.44	8 17 54.9	17.912	.188	.20	8.0-7.9	5-7	7 29' 98
609	8.6	13 20.27	2.9626	.0012	.76	16 25 22.7	17.913	.186	.34	7.8	5	10 30' 31
610 ⁵	6.5	13 21.22	2.9372	.0022	.53	12 44 58.5	17.913	.185	.09	8.0	4-5	12 31' 29
611 ⁶	8.7	10 13 21.54	+2.9523	+0.0016	+ .23	-11 22 33.1	-17.913	-0.186	+ .28	8.3	5	-11 28' 38
612	8.9	13 22.83	2.8291	.0059	.23	22 7 58.9	17.914	.177	.18	7.9	5	21 30' 22
613 ⁷	8.5	13 45.68	2.9484	.0018	.73	11 46 34.3	17.929	.185	.16	8.3	5	11 28' 41
614	8.6	13 56.77	2.8092	.0066	.57	23 50 42.5	17.937	.175	.31	7.8	5	23 31' 52
615	9.0	14 5.24	2.9748	.0008	.77	9 21 26.9	17.942	.186	.32	8.0	6	8 28' 90
616	6.3	10 14 16.42	+2.8140	+0.0064	+ .11	-23 31 33.8	-17.949	-0.175	+ .18	7.9	5	-23 31' 59
617	9.8	14 26.26	3.0046	-.0004	.04	6 33 43.1	17.956	.187	.51	6.6-7.5	2-5	6 31' 23
618	9.0	14 29.88	2.9944	+.0001	.50	7 31 50.9	17.958	.186	.22	7.7	6-8	7 30' 02
619	9.1	14 32.61	2.9671	.0012	.64	10 6 41.6	17.960	.185	.26	7.8	5	9 30' 40
620	8.4	15 5.38	2.8294	+.0061	.45	22 24 20.0	17.981	.175	.25	7.9-7.6	5-6	22 28' 89

¹ $\mu_\alpha, \mu_\delta = -0.022$. ² $\mu_\alpha = -0.0034, \mu_\delta = +0.019$. ³ $\mu_\alpha = +0.0014, \mu_\delta = -0.018$. ⁴ $\mu_\alpha = +0.0034, \mu_\delta = -0.044$. ⁵ $\mu_\alpha = +0.0001, \mu_\delta = -0.002$. ⁶ $\mu_\alpha = -0.006, \mu_\delta = -0.028$. ⁷ $\mu_\alpha = +0.0020, \mu_\delta = +0.022$.

Nº Kopff	Mag.	α 1930.0	Prec.	Var. Sec.	E. P.	δ 1930.0	Prec.	Var. Sec.	E. P.	Época 1920 +	Nº de observ.	B. D.
621	9.1	10 ^h 15 ^m 6 ^s .76	+2.9989	-0.0001	+".79	- 7° 9' 1".9	-17.982	-0.186	+".49	8.2-7.8	6-7	- 6° 3125
622	8.4	15 13.19	2.9868	+ .0004	.54	8 18 29.4	17.986	.185	.24	8.3	5	7 3005
623	9.1	15 24.46	3.0109	- .0006	.38	6 0 46.9	17.993	.186	.53	6.6-7.8	2-6	5 3040
624	8.7	15 36.44	2.9547	+ .0018	.80	11 22 16.9	18.001	.182	.24	7.8	5	10 3038
625	8.0	15 40.82	2.9489	.0020	.08	11 55 22.2	18.004	.181	.29	7.9	7	11 2849
626	8.0	10 15 41.92	+2.9801	+0.0008	+ .62	- 8 59 1.9	-18.004	-0.183	+ .22	7.8	5	- 8 2895
627 ¹	8.8	15 45.68	2.9652	.0014	1.00	10 23 52.6	18.007	.182	.26	8.3	3	10 3039
628	8.3	15 47.31	2.8260	.0063	.59	22 48 45.0	18.008	.173	.37	7.9	5	22 2892
629	9.2	15 47.60	2.9737	.0010	.71	9 35 59.8	18.008	.183	.26	8.3	5	9 3044
630	9.0	15 52.61	2.9628	+ .0015	.61	10 38 9.8	18.011	.182	.38	8.3	5	10 3041
631	9.0	10 15 55.37	+3.0187	-0.0009	+ .35	- 5 16 54.8	-18.013	-0.185	+ .22	8.3	5	- 4 2839
632	7.7	16 30.17	2.8353	+ .0062	.36	22 10 16.8	18.035	.173	.22	7.9	5	21 3035
633	9.1	16 34.36	3.0244	- .0010	.87	4 45 21.9	18.038	.185	.25	8.0	6	4 2842
634	9.0	16 53.55	2.8214	+ .0066	.30	23 24 23.3	18.050	.171	.24	7.8-7.4	5-7	23 9201
635	8.7	16 57.43	2.8351	+ .0062	.86	22 16 5.0	18.053	.172	.21	7.8	5	21 3038
636	8.7	10 17 4.37	+3.0053	-0.0002	+ .48	- 6 38 46.1	-18.057	-0.183	+ .45	8.2	6	- 6 3129
637	8.8	17 21.07	2.9954	+ .0002	.70	7 37 46.0	18.068	.181	.21	7.9	7	7 3011
638	8.3	17 25.64	2.9849	+ .0007	.45	8 39 10.6	18.070	.181	.22	7.8	5	8 2899
639	7.0	17 35.68	3.0218	- .0009	1.01	5 3 46.1	18.077	.183	.38	8.0	6	4 2847
640	9.9	17 36.01	2.8198	+ .0068	.47	23 40 22.4	18.077	.170	.30	7.9-8.3	5-6	23 9211
641	9.5	10 17 38.08	+2.9715	+0.0013	+ .71	- 9 57 48.2	-18.078	-0.180	+ .40	8.3	4-5	- 9 3050
642	7.7	17 40.38	2.9882	+ .0006	.71	8 21 22.0	18.080	.180	.37	8.3	5	7 3014
643	8.7	17 51.44	3.0302	- .0012	.51	4 14 43.5	18.087	.183	.30	8.2	6	3 2903
644	8.7	17 53.94	2.8449	+ .0060	.27	21 35 54.9	18.088	.171	.27	7.5-7.6	4-6	21 3044
645	9.0	18 14.33	3.0139	- .0005	1.04	5 52 23.6	18.101	.181	.18	7.8	5	5 3047
646	8.8	10 18 44.58	+2.8306	+0.0066	+ .33	-22 59 4.1	-18.120	-0.169	+ .18	7.9	5	-22 2908
647	9.0	18 55.72	2.9870	+ .0007	.68	8 33 57.2	18.127	.178	.25	8.0	6	8 2904
648	8.2	19 7.19	3.0392	- .0016	.49	3 23 15.3	18.134	.181	.18	7.7-7.9	6-7	3 2909
649	8.9	19 7.88	3.0228	.0008	.53	5 2 3.5	18.134	.180	.26	8.2	6	4 2853
650	8.6	19 16.21	3.0092	- .0002	.66	6 23 58.0	18.140	.179	.26	7.8	5	6 3134
651	8.8	10 19 17.57	+3.0115	-0.0003	+ .63	- 6 10 18.7	-18.140	-0.179	+ .38	7.8	5	- 5 3052
652	9.3	19 19.91	3.0026	+ .0001	.62	7 3 4.5	18.142	.179	.61	8.3	5	6 3135
653	8.8	19 23.49	2.8262	.0068	.52	23 28 40.7	18.144	.168	.37	7.8	5	23 9236
654	9.2	19 29.78	2.9949	.0004	1.15	7 49 34.9	18.148	.178	.34	8.3	4-5	7 3019
655	8.9	19 41.43	2.9799	.0011	.49	9 19 48.6	18.155	.176	.48	8.8-8.3	4-5	8 2907
656	9.0	10 19 54.68	+2.8390	+0.0065	+ .34	-22 28 54.4	-18.163	-0.167	+ .09	7.5-7.9	4-5	-22 2909
657	9.2	20 1.31	3.0464	- .0019	.95	2 41 27.0	18.167	.180	.35	7.6-7.4	5-6	2 3133
658	7.0	20 15.25	3.0540	- .0022	.81	1 55 16.3	18.176	.180	.70	8.0-7.8	5-6	1 2382
659	8.8	20 24.01	3.0048	.0000	.42	6 54 12.6	18.181	.177	.05	8.0-7.7	6-5	6 3139
660	8.8	20 27.69	2.8476	+ .0062	.31	21 50 1.9	18.184	.167	.32	7.8	5	21 3052
661	7.0	10 20 34.35	+3.0280	-0.0010	+ .47	- 4 34 20.7	-18.188	-0.178	+ .30	7.7-7.9	6-7	- 4 2861
662	7.9	20 54.85	3.0019	+ .0002	.41	7 13 56.1	18.200	.176	.44	7.8	5	6 3140
663	8.6	21 9.84	2.8458	+ .0064	.38	22 7 19.0	18.209	.166	.38	8.3-7.9	4-5	21 3056
664	7.9	21 11.33	3.0687	- .0029	.90	0 26 4.2	18.210	.179	.40	7.8-7.6	5-6	0 2337
665	9.2	21 12.50	2.8316	+ .0069	.74	23 22 37.0	18.211	.165	.64	7.8	5	23 9266
666	9.0	10 21 14.96	+3.0569	-0.0023	+ .80	- 1 38 53.7	-18.213	-0.178	+ .53	8.0-7.8	5-6	- 1 238
667	9.1	21 23.04	3.0421	.0016	.99	3 9 48.3	18.217	.178	.25	7.8	5	2 313
668	9.1	21 25.42	3.0620	.0025	.44	1 7 23.6	18.219	.178	.08	8.3	5	0 233
669	9.3	21 52.62	3.0173	.0004	.72	5 43 36.5	18.235	.175	.25	7.7-7.9	6-7	5 306
670	9.0	21 55.37	3.0310	- .0010	.36	4 19 33.0	18.237	.176	.33	7.8	5	3 291

¹ $\mu_{\alpha} = -0.0102$, $\mu_{\delta} = -0.019$.

N° Kopff	Mag.	α 1930.0	Prec.	Var. Sec.	E. P.	δ 1930.0	Prec.	Var. Sec.	E. P.	Época 1920 +	N° de observ.	B. D.
671	9.8	10 ^b 22 7.48	+2.8401	+0.0068	±.53	-22°49' 2".1	-18.244	-0.164	±.27	8.3	7	-22°29'15
672	7.3	22 15.05	2.8541	+ .0063	.43	21 35 49.2	18.249	.164	.35	7.8	5	21 30'61
673	9.7	22 37.44	3.0615	- .0024	.74	1 11 20.9	18.262	.176	.52	7.8	5	0 23'40
674	8.9	22 42.27	3.0374	.0013	.16	3 41 45.1	18.265	.175	.35	7.8-7.6	5-6	3 29'20
675	9.1	22 52.94	3.0539	- .0021	.65	1 58 50.0	18.272	.176	.42	8.2	6	1 23'90
676	9.1	10 23 1.89	+2.8395	+ .0069	±.66	-23 2 51.7	-18.277	-0.162	±.20	7.9-7.6	5-4	-22 29'19
677	9.2	23 10.25	3.0138	- .0002	.78	- 6 9 24.2	18.282	.172	.71	7.9	7	- 5 30'63
678 ¹	6.5	23 18.56	3.0749	.0031	.45	+ 0 12 32.9	18.287	.176	.09	7.8	5	+ 0 26'55
679	9.0	23 19.47	3.0664	.0027	.39	- 0 40 59.1	18.288	.175	.36	8.3	5	- 0 23'42
680	8.2	23 27.76	3.0472	.0017	.42	2 41 41.5	18.293	.174	.18	8.3	5	2 31'43
681	8.8	10 23 27.74	+3.0221	-0.0005	±.72	- 5 19 5.5	-18.292	-0.172	±.31	7.8	5	- 4 28'73
682	8.3	23 27.70	3.0839	.0036	.66	+ 1 8 53.5	18.292	.176	.25	8.3	5	+ 1 24'40
683	8.5	23 39.91	3.0908	.0039	.56	+ 1 52 18.7	18.300	.176	.33	8.2	5-6	+ 2 23'21
684	9.3	24 2.47	3.0342	- .0011	.65	- 4 4 40.8	18.313	.172	.27	7.8-7.6	5-6	- 3 29'25
685	8.9	24 9.95	2.8443	+ .0069	.44	22 50 34.5	18.318	.161	.38	7.9	5	22 29'23
686	7.8	10 24 23.15	+3.0507	-0.0019	±.59	- 2 21 19.0	-18.325	-0.173	±.47	7.9	7	- 1 23'91
687	9.4	24 23.88	3.0710	.0029	.87	0 12 9.2	18.326	.174	.30	7.8	5	+ 0 26'57
688	9.1	24 31.93	3.0433	- .0015	.06	3 8 17.7	18.330	.172	.08	8.3	5	- 2 31'49
689	7.9	24 34.16	2.8614	+ .0064	.61	21 22 31.8	18.332	.161	.08	7.8	5	20 31'81
690	9.2	24 38.73	3.0307	- .0008	.36	- 4 27 53.9	18.335	.171	.18	7.8	5	- 4 28'78
691	8.8	10 24 55.83	+3.0812	-0.0034	±.17	+ 0 53 1.3	-18.345	-0.173	±.30	8.2	5-6	+ 1 24'46
692	8.9	25 8.70	3.0731	-0.0029	.51	+ 0 1 19.3	18.352	.172	.40	7.8-7.6	5-6	+ 0 26'58
693	9.0	25 15.91	2.8511	+ .0068	.33	-22 27 1.7	18.356	.159	.24	7.9	5	-22 29'25
694	7.0	25 21.53	3.1011	- .0044	.53	+ 3 0 22.1	18.360	.174	.22	7.9	7	+ 3 23'71
695	9.2	25 36.02	3.1196	- .0054	.44	+ 4 58 44.0	18.368	.174	.52	7.8	5	+ 5 23'41
696	7.8	10 25 41.86	+2.8581	+0.0067	±.33	-21 53 40.2	-18.372	-0.159	±.34	7.9	5	-21 30'73
697	8.9	25 42.47	3.0433	- .0014	.35	3 10 7.7	18.372	.170	.47	7.8	5	2 31'54
698	9.1	25 42.81	2.8465	+ .0071	.52	22 57 43.9	18.372	.158	.33	8.0	4	22 29'26
699	9.1	25 51.97	3.0661	- .0025	.09	- 0 43 55.4	18.378	.171	.21	8.3	5	- 0 23'47
700	9.2	25 53.54	3.1126	.0050	.70	+ 4 15 19.9	18.378	.173	.29	8.0-8.2	5-6	+ 4 23'43
701	8.9	10 26 15.43	+3.0889	-0.0037	±.96	+ 1 42 56.8	-18.391	-0.171	±.35	8.0-7.6	4-5	+ 2 23'24
702	8.9	26 20.60	3.1047	.0046	.85	+ 3 25 36.0	18.394	.172	.22	7.7-7.9	6-7	+ 3 23'73
703	8.1	26 28.15	3.0559	.0020	.09	- 1 50 40.3	18.399	.169	.30	8.8	4	- 1 23'96
704	8.0	26 39.24	3.1091	.0048	.76	+ 3 54 45.5	18.405	.172	.65	8.2-7.8	4-5	+ 4 23'44
705	8.2	26 43.49	3.1293	.0059	.73	+ 6 5 9.7	18.407	.173	.20	8.3	5	+ 6 23'15
706	9.3	10 26 47.35	+3.0463	-0.0015	±.87	- 2 52 46.5	-18.410	-0.168	±.25	8.2-7.8	4-5	- 2 31'61
707 ²	6.3	26 47.82	3.1418	.0066	.63	+ 7 25 6.7	18.410	.173	.39	8.3	5	+ 7 23'14
708 ³	6.0	26 54.01	3.0961	.0041	.40	2 30 36.8	18.413	.170	.25	8.2	6	2 23'25
709	9.0	26 58.57	3.2547	.0135	.39	19 0 39.1	18.416	.180	.63	8.3	5	19 23'52
710	9.2	27 4.30	3.1122	.0050	.41	4 15 47.4	18.419	.171	.53	8.8	7	4 23'45
711	9.3	10 27 18.62	+3.0836	-0.0034	±.32	+ 1 9 38.8	-18.428	-0.169	±.22	8.2-7.8	4-5	+ 1 24'51
712	8.0	27 22.29	3.1254	.0057	.38	5 42 4.0	18.430	.172	.33	7.7	6	6 23'16
713	9.7	27 27.06	3.1372	.0064	.71	+ 6 58 41.5	18.432	.172	.49	8.3	5	+ 7 23'17
714	8.7	27 28.67	3.0530	.0018	.95	- 2 10 47.9	18.433	.167	.26	8.3	5	- 1 23'98
715	9.7	27 30.43	3.1574	- .0075	.78	+ 9 8 22.6	18.434	.173	.44	8.3	5	+ 9 23'64
716	8.9	10 27 43.26	+2.8591	+0.0069	±.35	-22 12 39.7	-18.442	-0.155	±.25	8.5-8.3	6-5	-21 30'84
717	9.1	27 45.76	3.0620	- .0022	.32	- 1 11 41.5	18.443	.167	.26	8.2-7.8	4-5	- 0 23'52
718	9.8	27 50.52	3.1496	.0071	.68	+ 8 20 30.2	18.446	.172	.43	7.8	5	+ 8 23'74
719	8.0	27 50.20	3.1796	.0088	.44	+11 31 42.8	18.446	.174	.23	8.3	5	+11 22'39
720	8.9	27 55.30	3.0668	.0025	.72	- 0 40 24.2	18.449	.167	.19	8.2	6	- 0 23'53

¹ $\mu_{\alpha} = -0.0005$, $\mu_{\delta} = -0.042$. ² $\mu_{\alpha} = +0.0015$, $\mu_{\delta} = -0.029$, ³ $\mu_{\alpha} = +0.0046$, $\mu_{\delta} = -0.045$.

N° Kopff	Mag.	α 1930.0	Prec.	Var. Sec.	E. P.	δ 1930.0	Prec.	Var. Sec.	E. P.	Época 1920 +	N° de observ.	B. D.
721	9.3	10 ^h 27 ^m 56 ^s .17	+3.2435	-0.0128	+".46	+18° 4' 47".1	-18.449	-0.177	+".39	8.3	4-5	+18° 23' 71
722	9.8	28 11.98	3.0752	.0029	.96	0 14 42.1	18.458	.167	.72	8.7	3	0 2666
723	8.2	28 18.50	3.2456	.0130	.79	18 21 0.8	18.462	.177	.42	8.0-8.2	5-6	18 2372
724	9.1	28 21.84	3.1033	.0044	.92	3 20 12.1	18.464	.168	.52	8.3	5	3 2381
725 ¹	7.3	28 27.36	3.1626	-.0079	.49	+ 9 46 58.0	18.467	.171	.45	8.3	5	+10 2165
726	9.2	10 28 29.47	+2.8584	+ .0070	+ .55	-22 26 16.7	-18.468	-0.154	+ .41	7.9	5	-22 2936
727	8.9	28 30.35	2.8529	.0073	.52	22 57 21.0	18.468	.154	.28	8.2-7.8	4-5	22 2937
728	8.6	28 31.44	2.8648	+ .0069	.48	-21 50 5.8	18.469	.155	.37	7.8	5	-21 3088
729	9.0	28 32.36	3.1236	-.0056	.83	+ 5 33 57.2	18.470	.169	.56	8.3	4-5	+ 5 2346
730	8.8	28 33.76	3.1955	.0098	.46	13 16 46.8	18.470	.173	.36	8.8	4	13 2271
731 ²	8.5	10 28 40.33	+3.1184	-0.0053	+ .90	+ 5 0 18.5	-18.474	-0.168	+ .54	8.3	5	+ 5 2347
733	9.7	28 48.75	3.2339	.0123	.77	17 16 15.0	18.479	.175	.24	7.8	5	17 2237
734	9.1	28 50.58	3.1933	.0097	.67	13 5 28.9	18.480	.173	.27	8.2	6	13 2272
735	9.1	29 4.55	3.2111	.0109	.61	14 58 53.9	18.488	.173	1.06	8.9	2	15 2218
736	9.2	29 7.49	3.1700	.0083	1.46	+10 39 7.0	18.489	.171	.14	9.4	2	11 2243
737 ³	8.9	10 29 8.86	+3.0684	-0.0025	+ .80	- 0 30 18.7	-18.490	-0.165	+ .18	7.8	5	- 0 2356
738	9.3	29 13.91	3.0947	.0040	.63	+ 2 24 52.5	18.493	.166	.40	7.4-7.8	4-5	+ 2 2328
739	10.0	29 17.12	3.1534	.0073	.59	8 52 29.6	18.495	.170	.20	7.8	5	9 2367
741	9.4	29 22.42	3.1858	.0093	.56	12 22 1.2	18.498	.171	.38	8.3	5	12 2222
742	8.8	29 33.22	3.2031	.0104	.75	14 12 50.0	18.504	.172	.51	8.3	5	14 2257
743	9.5	10 29 37.44	+3.1816	-0.0090		+11 56 45.5	-18.506	-0.171		8.3	1	+12 2223
744	9.2	29 39.52	3.2391	.0127	1.01	17 56 8.4	18.507	.173	.55	8.3	5	18 2374
746	9.3	29 40.43	3.1669	.0081	.97	10 22 24.2	18.508	.169	.75	9.4	2	10 2167
747	8.2	29 43.52	3.1400	.0065	.48	7 26 43.0	18.510	.168	.63	8.3	5	7 2324
748 ⁴	8.7	29 48.44	3.2158	-.0112	.83	+15 34 31.3	18.512	.172	.21	7.8	5	+15 2220
749	8.7	10 29 53.27	+2.8719	+0.0068	+ .46	-21 25 56.4	-18.515	-.153	+ .41	7.9	5	-21 3092
750	8.5	30 2.44	3.1534	-.0073	.56	+ 8 56 53.0	18.520	.168	.16	8.2	6	+ 9 2370
751	9.5	30 5.75	3.0849	-.0034	.72	+ 1 20 25.9	18.522	.164	.14	8.0	4	+ 1 2455
752	8.4	30 4.58	2.8642	+ .0071	.92	-22 13 23.0	18.521	.152	.28	7.8	5	-22 3095
753	9.3	30 8.82	3.2277	-.0120	.21	+16 51 33.7	18.524	.172	.47	8.9	2	+17 2240
754	9.3	10 30 16.74	+3.1434	-0.0068	+ .41	+ 7 52 20.3	-18.528	-0.167	+ .20	7.9	7	+ 8 2380
755	8.1	30 19.23	3.0995	.0042	.84	2 59 4.9	18.530	.165	.30	8.2-7.8	4-5	3 2388
756	8.9	30 19.22	3.1026	-.0044	.60	+ 3 19 38.5	18.530	.165	.25	8.3	5	+ 3 2387
757	9.2	30 21.06	2.8755	+ .0067	.95	-21 10 34.7	18.531	.152	.35	7.9	5	-20 3209
758	8.9	30 23.12	3.0880	-.0036	.98	+ 1 41 20.6	18.532	.164	.33	8.3	5	+ 2 2330
759	9.5	10 30 23.13	+3.2447	-0.0132	+ .87	+18 38 20.9	-18.532	-0.172	+ .02	8.0-7.4	3-2	+19 2354
760	8.3	30 24.39	3.1880	.0095	.31	12 44 9.4	18.532	.169	.32	8.8	4	13 2274
761	8.8	30 40.71	3.1127	.0049	.65	4 28 24.6	18.541	.164	.32	8.3	5	4 2351
762	8.5	30 48.53	3.1082	.0047	.59	3 58 47.1	18.546	.164	.20	7.8	5	4 2353
763	9.4	30 49.72	3.1067	.0046	.95	3 48 31.3	18.546	.164	.28	8.8-8.3	4-5	4 2352
764 ⁵	7.9	10 30 56.90	+3.0917	-0.0037	+ .72	+ 2 7 29.1	-18.550	-0.163	+ .33	8.9	4	+ 2 2333
765	8.8	31 10.25	3.1847	.0093	.77	12 28 30.0	18.558	.168	.22	8.2	6	12 2229
766	8.5	31 13.06	3.1477	.0070	.54	8 25 36.3	18.559	.165	.55	8.2-7.8	4-5	8 2382
767	8.9	31 13.02	3.1986	.0102	.82	13 58 36.0	18.559	.168	.50	8.3	5	14 2261
768	9.3	31 18.12	3.1162	-.0052	.52	+ 4 53 55.6	18.562	.164	.27	7.8	5	+ 5 2353
769	7.0	10 31 20.95	+2.8709	+0.0070	+ .07	-21 50 27.5	-18.564	-0.150	+ .37	7.9	5	-21 3100
770	9.8	31 21.86	3.2207	-.0116	.89	+16 20 27.5	18.564	.169	.37	7.8-8.0	5-7	+16 2136
771	9.0	31 26.86	3.2075	.0108	.48	14 57 36.2	18.567	.168	.30	8.3	5	15 2223
772	9.0	31 40.51	3.1271	.0058	.59	6 10 14.4	18.574	.163	.46	8.3-8.8	4-5	6 2318
773	9.0	31 43.54	3.1732	.0086	.40	+11 17 44.2	18.576	.166	.39	7.8	5	+11 2249

¹ $\mu_{\alpha} = -0.004$, $\mu_{\delta} = -0.001$. ² $\mu_{\alpha} = -0.0009$, $\mu_{\delta} = +0.028$. ³ μ_{α} , $\mu_{\delta} = -0.05$. ⁴ $\mu_{\alpha} = +0.003$, $\mu_{\delta} = 0$. ⁵ $\mu_{\alpha} = -0.0087$, $\mu_{\delta} = -0.082$.

N° Kopf	Mag.	α 1930.0	Prec.	Var. Sec.	E. P.	δ 1930.0	Prec.	Var. Sec.	E. P.	Época 1920 +	N° de observ.	B. D.
774	9.1	10 ^h 31 ^m 51 ^s .05	+2.8610	+0.0075	±.43	-22°54'28".0	-18.580	-0.149	±.34	7.9	5	-22°29'54"
776	8.7	32 3.53	3.1208	- .0054	.68	+ 5 27 44.1	18.587	.162	.42	8.3	5	+ 5 23'56"
777	9.4	32 5.52	3.1768	.0088	.33	11 43 40.4	18.588	.166	.58	8.3	5	12 22'31"
778	8.5	32 8.41	3.2393	.0129	.31	18 24 33.1	18.590	.168	.36	8.6	5	18 23'81"
779	9.7	32 20.43	3.1256	.0057	.67	6 1 34.9	18.596	.162	.09	8.0	4	6 23'22"
780	8.5	10 32 25.15	+3.2447	-0.0133	±.28	+19 0 57.7	-18.599	-0.168	±.49	7.7-7.9	6-7	+19 23'55"
781 ¹	8.5	32 25.61	3.1377	- .0064	.53	+ 7 24 3.5	18.599	.162	.37	8.2-7.8	4-5	+ 7 23'31"
782	9.0	32 27.54	2.8790	+ .0068	.16	-21 16 9.7	18.600	.148	.26	7.9-8.3	5-4	-20 32'20"
783	8.1	32 30.18	3.1605	- .0078	.76	+ 9 58 15.0	18.602	.164	.09	8.3	5	+10 21'73"
784	9.3	32 33.14	3.2470	- .0135	.40	+19 16 55.1	18.603	.168	.64	8.9	4	+19 23'56"
785	8.8	10 32 33.56	+2.8811	+0.0068	±.50	-21 5 9.2	-18.603	-0.149	±.25	7.9	5	-20 32'21"
786	8.8	32 37.44	3.2076	- .0108	.29	+15 9 24.3	18.605	.166	.91	8.9	2	+15 22'24"
787	9.1	32 38.93	3.1325	- .0061	.44	+ 6 50 11.4	18.606	.162	.29	8.3	5	+ 7 23'33"
788	10.0	32 39.26	2.8639	+ .0076	.04	-22 48 12.0	18.607	.147	.37	6.8	2	-22 29'58"
789	8.7	32 43.41	3.1475	- .0070	.36	+ 8 32 14.7	18.609	.163	.34	7.8	5	+ 8 23'84"
790	8.8	10 32 48.36	+3.2190	-0.0116	±.55	+16 23 57.8	-18.611	-0.166	±.65	8.3	5	+16 21'39"
791	9.0	32 52.48	3.2265	.0121	.28	17 12 1.6	18.614	.167	.33	9.4	2	17 22'49"
792 ²	8.9	33 0.43	3.1727	.0086	.79	11 23 13.0	18.618	.164	.74	8.8	4	11 22'52"
793	8.5	33 2.04	3.2001	.0104	1.01	14 24 34.7	18.619	.165	.30	8.3-8.8	5-4	14 22'69"
794	9.2	33 3.42	3.1636	.0080	.63	10 22 37.9	18.620	.163	.54	8.8-8.3	4-5	10 21'74"
795	9.0	10 33 8.01	+3.2105	-0.0111	±.50	+15 33 1.7	-18.622	-0.165	±.24	8.2	6	+15 22'25"
796	8.9	33 15.53	2.8758	+ .0070	.85	-21 45 57.7	18.626	.147	.38	7.9	5	-21 31'08"
797	9.2	33 19.42	3.2267	- .0122	.52	+17 18 20.5	18.628	.166	.45	7.8-8.0	5-6	+17 22'50"
798	9.2	33 20.02	2.8695	+ .0074	.50	-22 24 25.8	18.628	.147	.39	8.0	4	-22 29'59"
799	9.1	33 28.77	3.1810	- .0092	1.05	+12 22 26.0	18.633	.163	.34	8.2-7.8	4-5	+12 22'38"
800 ³	8.5	10 33 31.57	+3.1574	-0.0076	±.68	+ 9 44 20.7	-18.635	-0.162	±.40	7.8	5	+10 21'76"
801	9.2	33 41.01	3.1700	.0084	.80	11 10 6.6	18.640	.162	.29	8.3	5	11 22'54"
802	9.5	33 49.43	3.1506	.0072	.65	8 59 10.2	18.643	.161	.25	8.6-8.7	6-7	9 23'78"
803	10.0	33 52.71	3.1419	.0067	.61	7 59 50.3	18.644	.160	.14	9.3	3	8 23'85"
804 ⁴	8.8	33 50.12	3.2392	.0131	.81	18 42 57.2	18.645	.166	.26	8.8-8.3	4-5	19 23'59"
805	8.5	10 33 51.57	+3.1836	-0.0093	±.61	+12 43 2.9	-18.645	-0.163	±.33	8.8-8.3	4-5	+13 22'81"
806 ⁵	7.3	34 0.98	3.2287	.0124	.51	17 38 34.4	18.650	.164	.43	9.0-8.3	3-5	18 23'84"
807	9.2	34 9.40	3.2074	.0109	.91	15 22 21.3	18.655	.163	.28	8.5	6	15 22'29"
808	9.1	34 24.08	3.1938	.0100	.40	13 55 5.4	18.663	.162	.64	7.4	4	14 22'74"
809	9.5	34 25.54	3.1662	.0082	.64	10 49 45.2	18.664	.160	.68	8.7-8.8	5-6	11 22'57"
810	10.1	10 34 24.68	+3.2172	-0.0116	±.80	+16 29 6.1	-18.663	-0.163	±.19	8.0-8.3	4-5	+16 21'42"
811	9.1	34 37.03	3.1999	.0105	.75	14 37 53.6	18.670	.162	.55	8.0	4	15 22'30"
812	8.0	34 59.88	3.1972	- .0103	.68	+14 23 3.0	18.682	.161	.46	8.3	5	+14 22'77"
813	8.9	35 5.04	2.8822	+ .0072	.15	-21 31 0.2	18.684	.144	.05	7.9	5	-21 31'17"
814	7.8	35 5.20	3.1858	- .0096	.87	+13 7 36.8	18.685	.160	.56	8.3	5	+13 22'84"
815	9.3	10 35 8.01	+3.2243	-0.0122	±.32	+17 22 32.7	-18.686	-0.162	±.45	8.3-8.7	7	+17 22'52"
816	9.8	35 14.13	3.1619	.0080	.08	10 25 41.4	18.689	.159	.29	8.0-8.4	5-4	10 21'79"
817	8.0	35 14.75	3.2146	- .0115	.73	+16 20 51.1	18.690	.162	.45	8.0-7.7	7	+16 21'46"
818	8.7	36 6.40	2.8757	+ .0076	.33	-22 24 30.1	18.717	.142	.33	7.9	5	-22 29'73"
819	7.2	36 20.70	2.8786	.0075	.40	22 9 54.8	18.724	.142	.26	7.9	5	21 31'22"
820	9.0	10 37 9.04	+2.8896	+0.0072	±.38	-21 12 15.9	-18.749	-0.141	±.31	7.9	5	-20 32'38"
821	8.9	37 27.74	2.8785	.0077	.84	22 26 14.1	18.759	.140	.71	7.9	5	22 29'80"

¹ $\mu_\alpha = 0, \mu_\delta = -0.094$. ² $\mu_\alpha = +0.0084, \mu_\delta = -0.093$. ³ $\mu_\alpha = -0.003, \mu_\delta = +0.01$. ⁴ $\mu_\alpha = +0.0024, \mu_\delta = -0.130$. ⁵ $\mu_\alpha = -0.007, \mu_\delta = -0.02$

Lista III de Kopff •

N°	Mag.	α 1930.0	Prec.	Var. Sec.	E. P.	δ 1930.0	Prec.	Var. Sec.	E. P.	Época 1930 +	N° de observ.	B. D.
822	8.9	9 ^b 29 ^m 23 ^s .69	+2.6727	+0.0043	+".62	-26° 6' 56".9	-15.870	-0".231	+".35	1.2	6	-25° 7284
823	8.5	29 35.41	2.6556	.0045	.74	27 6 14.4	15.880	.229	.22	1.2	5	26 7175
824	8.7	29 49.54	2.6514	.0047	.55	27 21 53.9	15.893	.229	.27	1.2	5	27 6699
825	9.5	29 54.98	2.6622	.0045	.63	26 46 28.5	15.898	.230	.23	1.2	5	26 7184
826	8.8	30 33.39	2.6873	.0042	.70	25 25 53.7	15.932	.231	.26	1.2	5	25 7306
827	9.3	9 31 24.39	+2.6641	+0.0046	+".52	-26 51 49.9	-15.977	-0.228	+".32	1.2	5	-26 7414
828	9.9	32 32.49	2.6985	.0042	.65	25 2 0.5	16.036	.229	.37	1.2	5	24 8245
829	7.8	32 56.69	2.6617	.0048	.40	27 12 29.2	16.058	.225	.08	1.2	5	26 7251
830	10.2	33 55.00	2.7089	.0042	.74	24 35 37.4	16.108	.228	.48	1.2	6	24 8274
831	9.7	35 32.21	2.7206	.0041	.56	24 6 2.1	16.192	.227	.35	1.2	5	23 8584
832	9.5	9 36 41.83	+2.7271	+0.0041	+".64	-23 51 12.6	-16.252	-0.226	+".36	1.2	5	-23 8605
833	8.7	37 45.84	2.7296	.0042	.22	23 49 58.7	16.306	.224	.10	1.2	5	23 8619
834	8.4	38 56.36	2.7392	.0041	.46	23 23 18.0	16.366	.224	.27	1.2	6	23 8641
835	9.3	39 42.76	2.7474	.0040	.60	22 58 34.2	16.405	.223	.23	1.2	4	22 2694
836	8.8	40 37.55	2.7574	.0040	.52	22 27 18.1	16.451	.223	.19	1.2	5	22 2698
837	8.9	9 41 6.12	+2.7515	+0.0041	+".48	-22 53 36.3	-16.474	-0.222	+".26	1.2	5	-22 2704
838	8.7	42 40.29	2.7771	.0038	.60	21 25 55.7	16.552	.221	.48	1.2	6	21 2902
839	8.7	43 12.95	2.7694	.0040	.30	22 0 9.7	16.579	.220	.36	1.2	5	21 2905
840	8.5	43 53.37	2.7802	.0038	.58	21 22 34.2	16.612	.220	.25	1.2	5	21 2907
841	8.8	47 28.51	2.8007	.0037	.22	20 26 30.9	16.785	.216	.25	1.2	5	20 3032
842	8.8	9 47 46.67	+2.8104	+0.0035	+".69	-19 48 28.7	-16.800	-0.216	+".30	1.3	3	-19 2844
843	8.0	48 32.32	2.8131	.0035	.58	19 42 46.7	16.836	.216	.55	1.2	5	19 2850
844	7.5	50 15.59	2.8240	.0034	.23	19 9 15.3	16.917	.214	.37	1.2	5	18 2806
845	9.5	54 7.11	2.8582	.0029	.22	17 6 12.6	17.096	.210	.20	1.2	5	16 2928
846	8.6	56 49.28	2.8598	.0031	.54	17 18 2.1	17.218	.206	.19	1.2	4-5	16 2938
847	8.5	9 57 2.21	+2.8776	+0.0026	+".41	-15 57 26.8	-17.228	-0.207	+".23	1.2	5	-15 2955
848	9.2	57 31.28	2.8831	.0025	.54	15 34 58.1	17.249	.207	.17	1.2	5	15 2958
849	7.7	57 59.93	2.8897	.0024	.72	15 7 0.3	17.271	.206	.24	1.2	5	14 3002
850	8.8	9 59 5.45	2.8952	.0023	.89	14 47 37.0	17.319	.205	.40	1.2	5	14 3010
851	9.0	10 2 12.34	2.9186	.0019	.40	13 12 56.2	17.455	.202	.27	1.2	4	12 3075
852	8.5	10 3 14.40	+2.9328	+0.0015	+".39	-12 7 47.9	-17.499	-0.201	+".16	1.2	5	-11 2803
853	8.8	4 4.91	2.9250	.0018	.59	12 52 10.7	17.535	.199	.31	1.2	4-5	12 3085
854	8.9	4 33.89	2.9181	.0021	.56	13 29 48.6	17.555	.198	.08	1.2	5	13 3037
855	8.7	5 23.59	2.9335	.0016	.27	12 16 21.7	17.590	.198	.31	1.2	4-5	11 2812
856	8.8	5 35.63	2.9463	.0012	.47	11 11 36.1	17.598	.198	.31	1.2	5	10 3003
857	9.1	10 6 35.32	+2.9551	+0.0010	+".22	-10 31 3.7	-17.640	-0.197	+".25	1.2	4-5	-10 3006
858	9.4	7 13.80	2.9488	.0013	.63	11 7 28.3	17.666	.196	.36	1.2	5	10 3010
859	8.5	8 51.80	2.9633	.0009	.36	9 58 30.7	17.733	.194	.31	1.2	5	9 3017
860	9.1	9 16.42	2.9743	.0005	.49	9 1 27.9	17.750	.194	.20	1.2	5	8 2873
861	7.5	9 47.33	2.9849	.0001	.40	8 5 52.7	17.771	.194	.32	1.2	5	7 2985
862	8.4	10 10 11.88	+2.9705	+0.0007	+".49	-9 26 22.5	-17.787	-0.192	+".26	1.2	5	-9 3025
863	9.0	10 41.19	2.9869	.0001	.76	7 58 34.2	17.807	.192	.43	1.2	5	7 2990
864	8.7	11 27.82	2.9830	+ .0003	.36	8 23 30.8	17.838	.191	.23	1.2	5	8 2879
865	8.7	11 50.83	3.0001	- .0003	.61	6 50 5.2	17.853	.191	.36	1.2	5	6 3117
866	9.2	13 48.49	3.0044	.0004	.78	6 32 28.4	17.931	.188	.36	1.2	5	6 3121
867	8.8	10 14 30.41	+3.0125	-0.0007	+".92	-5 48 31.7	-17.958	-0.188	+".36	1.2	5	-5 3033
868	9.2	15 50.45	3.0292	.0013	.40	4 15 24.3	18.010	.186	.30	1.2	4	3 2894
869	9.2	16 2.12	3.0411	.0018	.71	3 6 14.5	18.017	.187	.33	1.2	5	2 3117
870	7.9	16 3.82	3.0386	.0017	.59	3 21 7.3	18.018	.186	.17	1.2	5	2 3118
871	7.0	16 34.84	3.0322	.0014	.40	3 59 29.0	18.038	.185	.15	1.2	5	3 2900

N°	Mag.	α 1930.0	Prec.	Var. Sec.	E. P.	δ 1930.0	Prec.	Var. Sec.	E. P.	Época 1930 +	N° de observ.	B. D.
872	9.2	10 ^h 16 ^m 48 ^s .36	+3.0490	-0.0021	\pm .52	- 2 ^o 20' 58".0	-18.047	-0.186	\pm .25	1.2	5	- 1 ^o 2379
873	8.8	17 37.59	3.0598	.0026	.57	1 18 10.1	18.078	.185	.15	1.2	5	0 2327
874	7.4	18 2.88	3.0377	.0016	.77	3 30 22.9	18.093	.183	.23	1.2	5	3 2904
875	9.3	18 49.04	3.0650	.0028	.77	0 47 37.7	18.122	.183	.41	1.2	5	- 0 2329
876	9.0	19 27.54	3.0729	.0031	.55	0 0 3.8	18.146	.182	.28	1.2	5	+ 0 2646
877	9.0	10 20 0.46	+3.0651	-0.0027	\pm .42	- 0 47 40.2	-18.167	-0.181	\pm .26	1.2	5	- 0 2333
878	9.5	20 36.70	3.0784	.0034	.70	+ 0 33 56.5	18.189	.181	.10	1.2	5	+ 0 2649
879	8.7	21 1.97	3.0508	.0020	.26	- 2 15 54.2	18.204	.178	.24	1.2	4-5	- 1 2383
880	8.0	21 16.29	3.0725	.0031	.62	- 0 2 44.9	18.213	.179	.39	1.2	5	+ 0 2650
881	8.5	21 21.16	3.0893	.0039	.74	+ 1 41 13.7	18.216	.180	.11	1.2	5	2 2320
883	9.2	10 22 43.37	+3.1008	-0.0044	\pm .54	+ 2 54 17.4	-18.266	-0.178	\pm .24	1.2	5	+ 3 2366
884	9.8	22 46.67	3.1056	.0047	.68	3 24 7.0	18.268	.179	.30	1.2	4	3 2367
885	8.2	23 31.54	3.2932	.0157	.61	21 58 21.6	18.295	.188	.57	1.2	5	22 2217
886	8.5	23 46.40	3.1130	.0050	.81	4 12 21.0	18.303	.177	.35	1.2	5	4 2331
889	8.5	24 27.09	3.1358	.0063	.46	6 37 37.4	18.327	.177	.55	1.2	5	7 2307
890	7.5	10 24 28.10	+3.1076	-0.0048	\pm .49	+ 3 40 24.7	-18.328	-0.176	\pm .47	1.2	4	+ 4 2337
891	8.3	24 30.61	3.1401	.0065	.56	7 5 11.6	18.330	.178	.23	1.2	5	7 2308
895	8.8	25 29.10	3.1497	.0071	.67	8 9 22.4	18.364	.176	.17	1.2	5	8 2367
897	6.8	25 41.87	3.1349	.0062	.35	6 36 54.4	18.371	.175	.29	1.2	5	6 2311
898	8.3	25 57.93	3.2393	.0124	.22	17 20 19.1	18.380	.180	.35	1.2	5	17 2233
899	8.7	10 26 10.23	+3.1515	-0.0072	\pm .74	+ 8 24 11.4	-18.388	-0.175	\pm .44	1.2	5	+ 8 2369
901	8.7	26 42.97	3.1853	.0092	.86	11 59 24.5	18.407	.176	.24	1.2	5	12 2219
904	9.8	27 9.19	3.1812	.0089	.34	11 37 2.3	18.422	.175	.50	1.2	5	11 2238
906	8.5	27 40.14	3.1690	.0082	.71	10 23 37.2	18.440	.173	.24	1.2	4	10 2162
908	10.5	28 22.37	3.2090	.0107	.48	14 39 32.3	18.464	.174	.25	1.2	3	+15 2216
	18.5	9 47 32.83	+2.8103	+0.0035	\pm .73	-19 47 6.7	-16.789	-0.217	\pm .24	1.1	3	-19 2842

¹ Fuera de programa.

Lista adicional

N. de Alger.	Mag.	α 1930.0	Prec.	Var. Sec.	δ 1930.0	Prec.	Var. Sec.	Época 1930+	N. de observ.	B. D.
4738	9.1	10 ^h 39 ^m 14. ^s 79	+2.9375	+0.0074	-21°25' 7".1	-18.813	-0.138	1.4	1	-21°31'35"
4748	9.0	41 1.33	2.9428	.0074	21 3 57.9	18.866	.135	1.4	2	20 3254
4755	9.2	42 43.00	2.9377	.0080	22 13 55.6	18.915	.130	1.4	2	21 3149
4763	8.7	44 1.48	2.9448	.0078	21 28 36.8	18.953	.130	1.4	2	21 3152
4783	8.1	48 16.72	2.9504	.0082	21 42 2.0	19.071	.122	1.4	2	21 3168
4792	9.1	10 49 42.62	+2.9531	+0.0083	-21 39 5.2	-19.109	-0.120	1.4	2	-31 3177
4803	9.0	51 6.89	2.9590	.0081	21 2 17.9	19.146	.118	1.4	2	20 3292
4809	8.8	52 16.28	2.9603	.0083	21 8 31.7	19.175	.116	1.4	2	20 3297
4823	8.5	53 33.75	2.9620	.0084	21 11 46.6	19.208	.114	1.4	2	20 3302
4830	9.0	55 23.90	2.9686	.0082	20 32 59.0	19.253	.111	1.4	2	20 3307
4840	8.6	10 56 21.09	+2.9679	+0.0085	-20 57 40.3	-19.276	-0.109	1.4	2	-20 3316
4853	8.4	58 22.40	2.9684	.0089	21 27 55.0	19.324	.105	1.4	2	21 3212
4862	9.1	10 58 53.88	2.9756	.0084	20 16 34.8	19.336	.105	1.4	2	19 3166
4882	8.9	11 3 6.36	2.9796	.0089	20 47 17.4	19.430	.097	1.4	2	20 3346
4889	8.8	4 21.38	2.9833	.0088	20 26 10.5	19.456	.095	1.4	2	20 3350
4906	9.2	6 4.88	+2.9813	+0.0094	-21 27 24.6	-19.492	-0.092	1.4	2	-21 3249
4930	8.4	9 41.36	2.9929	.0091	20 9 51.6	19.563	.086	1.4	2	19 3202
4937	8.4	11 14.38	2.9949	.0093	20 16 27.1	19.592	.083	1.4	2	19 3208
4948	8.2	12 33.92	2.9990	.0091	19 46 17.1	19.616	.081	1.4	2	19 3214
4956	8.8	13 39.31	2.9978	.0095	20 30 37.1	19.636	.080	1.4	2	20 3389
4962	10.5	11 14 44.66	+3.0003	+0.0095	-20 18 39.4	-19.655	-0.077	1.4	2	-19 3226
4974	8.9	16 44.28	3.0032	.0098	20 23 25.8	19.688	.073	1.4	1	19 3236
4983	8.4	18 17.94	3.0066	.0097	20 7 20.4	19.714	.070	1.4	2	19 3245

