

CLASSIFICATION OF 1688 SOUTHERN STARS BY
MEANS OF THEIR SPECTRA.

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THE Henry Draper Memorial has provided opportunities for the detailed classification and careful study of the spectra of 4870 stars, the results of which are contained in the Harvard Annals. Volumes 28, Part I, and 56, No. IV, together, give the spectra of all stars in declination north of -20° , whose photometric magnitude is 5.00, or brighter. Volume 28, Part II, gives the spectra of all stars in declination south of -30° , whose photometric magnitude is 5.00, or brighter. The present memoir is designed to continue the detailed classification of the stars in declination south of -30° , to the photometric magnitude, 6.00. It also includes those stars between declinations -20° and -30° , whose photometric magnitude is 5.00, or brighter, and which are not already classified in H.A. 28 or H.A. 56, No. IV. Thus, this memoir completes the detailed classification of all stars whose photometric magnitude is 5.00, or brighter, between the North Pole and declination -30° , and of all stars whose photometric magnitude is 6.00, or brighter, between declination -30° and the South Pole. Many fainter stars are also included, as, when a star is photographed with the objective prism, frequently six or seven additional spectra appear on the plate.

Most of the photographs used for the present discussion were taken in Arequipa with one prism placed over the object glass of the 13-inch Boyden Telescope. They are, therefore, comparable with the photographs, taken with one prism, of the typical stars selected to represent the various classes of spectra described in H.A. 28, Part II. Owing to unusually cloudy weather in Arequipa during the past two or three years, all the photographs needed to complete the catalogue were not obtained with the Boyden Telescope. A few spectra of stars north of declination -25° , were obtained in Cambridge with the 11-inch Draper Telescope. About two hundred stars were classified

from plates taken in Arequipa with the 8-inch Bache Telescope, which gives spectra 0.6 cm. in length, from $H\epsilon$ to $H\beta$. Great care was taken in using the latter plates, to keep the classification the same as on plates of larger dispersion. The form of this Catalogue is nearly the same as that of H. A. 56, No. IV. The first eight columns are taken from the Revised Harvard Photometry, for stars contained in that work. They give, respectively, the H.R. number, the constellation, the designation, the Durchmusterung number, the number in the Argentine General Catalogue, the right ascension for 1900, the declination for 1900, and the photometric magnitude. Italics are used only in the fourth column and indicate that, on account of precession, the degree of declination differs from the Durchmusterung Zone. The photometric magnitudes for a number of fainter stars were taken from H.A. 54, and of several double stars, from H.A. 64, No. VI. When the photometric magnitude is not known, the letter R is inserted in the eighth column, and the magnitude according to the Argentine General Catalogue or the Southern Bonn Durchmusterung is given in the Remarks. The ninth column gives the class of spectrum according to the notation of H.A. 28, Part II, a brief description of which may be found in No. IV, of this volume, pages 66 to 69. According to the suggestion of Dr. Hertzsprung, the Classes B, A, F, G, and K, are called B 0, A 0, F 0, G 0 and K 0. In a few doubtful cases, the numeral is omitted. The tenth column gives a number referring to the Remarks following the table, where the observed peculiarities are described. Especial attention was paid to the spectra of close double stars. The magnitudes of the components, when both are bright, are given in the Remarks. When given to two decimal places, they were taken from H.A. 64, No. VI. For the stars not contained in that list, the magnitudes and colors are taken from the "Reference Catalogue of Southern Double Stars," by Innes. The eleventh column gives the number of plates from which the spectrum was classified. The twelfth column gives the plate numbers. When the number of these exceeds three, the additional plate numbers will be found in Table II. A comma is then inserted after the third number in the twelfth column of Table I. The letter X in this column represents plates taken with the 13-inch Boyden Telescope; the letter C, those taken with the 11-inch Draper Telescope; the letter B, those taken with the 8-inch Bache Telescope.

TABLE I.
GENERAL CATALOGUE.

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.	
6	Phoenix	—	14337	32446	<i>h.</i> 0	<i>m.</i> 1.1	—49 38	5.77	G 0	—	4	X 11117, X 11329, X 11370,
9	Cetus	—	4	7		1.7	—23 40	6.06	F 0	—	2	X 12137, C 17511
12	Cetus	—	13	27		2.7	—23 4	5.92	A 0	—	3	X 12137, C 17511, C 17557
13	Sculptor	—	17	30		3.0	—34 6	5.71	K 0	—	1	X 11304
24	Sculptor	κ^1	16	56		4.3	—28 33	5.46	F 2	1	5	X 12670, X 12683, C 17519,
30	Octans	γ^3	4	78		5.5	—82 47	5.30	K 0	—	3	X 12652, X 12680, X 12784
	Sculptor	—	36	82		5.7	—35 25	7.01	K 0	—	2	X 11320, X 11392
34	Sculptor	κ^2	26	91		6.4	—28 21	5.56	K 0	—	5	X 12608, X 12683, C 17519,
35	Sculptor	θ	42	95		6.6	—35 42	5.19	F 5	—	3	X 11320, X 11365, X 11392
37	Cetus	—	14	101		7.1	—18 30	5.47	K 2	—	1	X 11841
	Cetus	—	25			8.8	—18 6	7.25	B 5	—	1	X 11841
47	Octans	—	2	147		9.5	—85 33	5.74	K 5	—	2	B 12012, B 15171
48	Cetus	7	21	142		9.6	—19 30	4.68	Ma	—	1	X 11841
54	Sculptor	—	65	149		10.0	—35 28	6.29	K 0	—	2	X 11320, X 11392
57	Sculptor	—	72	167		11.1	—32 0	5.69	K 0	—	1	X 11345
73	Phoenix	—	64	218		13.8	—43 48	6.27	K 2	—	1	X 11867
83	Tucana	π	12	253		16.0	—70 11	5.42	B 9	—	1	X 11111
84	Sculptor	ι	86	263		16.5	—29 32	5.35	G 5	—	1	X 11812
87	Hydrus	—	9	279		17.2	—77 59	5.86	K	—	2	B 14357, B 19949
	Sculptor	—	101	300		18.4	—30 24	7.02	Ma	—	1	X 11812
	Sculptor	—	92	337		20.4	—39 49	6.95	K 0	—	1	X 11353
	Phoenix	—	81	354		21.3	—40 12	7.26	K 0	—	1	X 11353
102	Sculptor	—	138	363		22.3	—26 6	5.95	G 5	—	2	B 5843, B 8639
109	Phoenix	—	93	390		23.5	—40 28	5.33	K 5	—	1	X 11353
	Phoenix	—	112	410		24.5	—41 13	R K 0	2	1	X 11353	
	Phoenix	—	103	424		25.6	—40 4	6.68	K	—	1	X 11353
119	Phoenix	—	116	425		25.6	—41 30	6.31	F 0	—	1	X 11353
138	Sculptor	—	156	476		28.7	—30 7	5.62	K 0	—	1	X 11378
140	Phoenix	—	117	501		29.7	—52 56	5.55	F 5	—	1	X 11402
148	Phoenix	—	117	518		30.9	—55 23	5.94	K 0	—	2	X 11862, X 12198
	Tucana	—	42	532		31.5	—60 16	6.90	A 5	—	1	X 11112
160	Tucana	—	58	546		32.2	—65 41	6.38	K	—	1	X 11108
162	Phoenix	—	130	555		32.7	—54 57	6.42	K 0	—	2	X 11862, X 12198
176	Tucana	—	46	617		35.7	—60 1	5.79	G 0	—	2	X 11112, X 11871
185	Sculptor	λ^1	175	645		37.9	—39 1	6.07	A 0	—	2	X 12172, X 12180
186	Tucana	—	49	652		38.2	—60 49	5.84	K 2	—	2	X 11112, X 11871
187	Tucana	ρ	47	653		38.2	—66 1	5.46	F 5	—	2	X 11108, X 12674
	Tucana	—	50	658		38.5	—66 10	7.12	A 3	—	2	X 11108, X 12674
195	Sculptor	λ^2	181	666		39.4	—38 59	5.97	K 0	—	2	X 12172, X 12180
198	Phoenix	—	207	681		40.2	—43 13	6.00	A 5	—	3	X 12648, X 12688, X 12777
	Tucana	—	53	687		40.4	—66 10	6.70	G 5	—	2	X 11108, X 12674
209	Phoenix	—	176	702		41.1	—48 6	5.79	K	—	2	X 11094, X 12248
227	Cetus	—	145	746		44.3	—14 6	5.84	K 2	—	1	X 11850
228	Cetus	—	345	743		44.3	—24 41	6.06	G 5	—	1	X 11798
229	Phoenix	—	229	745		44.3	—47 15	6.24	K 0	—	2	X 11094, X 12208
239	Phoenix	—	216	759		45.4	—43 57	6.41	F 0	—	2	X 12252, X 12688

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h. m. ° ' "</i>						
..	Cetus	—	334	783	0 47.3	—23 9	7.24	G 0	3	1	X 11829
..	Cetus	—		784	47.3	—23 9					
247	Cetus	—	376	791	47.7	—24 33	5.59	K 0	—	1	X 11798
251	Cetus	—	338	799	48.3	—25 19	6.44	F 2	4	2	X 11798, B 17413
..	Tucana	—	84	806	48.4	—64 17	7.02	F 5	—	2	X 11100, X 12184
257	Tucana	—	83	825	49.4	—63 25	5.64	Mb	—	2	X 11100, X 12184
270	Tucana	λ^2	40	860	51.2	—70 4	5.34	K 0	—	2	X 12653, X 12692
281	Tucana	—	50	910	54.2	—61 14	6.37	A 3	—	1	X 11102
288	Sculptor	ξ	260	943	56.7	—39 28	5.57	K 0	—	1	X 11125
..	Sculptor	—	344	947	56.9	—38 45	6.66	K 0	—	1	X 11125
..	Tucana	—	58	950	57.2	—61 24	6.86	K	—	1	X 11102
293	Sculptor	σ	410	953	57.7	—32 6	5.52	A 2	—	2	X 12176, X 12684
295	Phoenix	—	220	959	57.8	—57 33	6.00	K 0	—	2	X 11104, X 11118
..	Phoenix	—	260	972	58.7	—41 33	7.16	Ma	—	1	X 11121
..	Phoenix	—	389	1048	1 2.9	—42 17	7.26	G	—	2	X 11121, B 12007
331	Phoenix	ν	391	1052	3.2	—42 1	5.15	A 3	—	1	X 11121
332	Tucana	ι	89	1057	3.4	—62 19	5.32	K 0	—	1	X 11102
..	Sculptor	—	420	1132	8.2	—35 44	6.96	K	—	1	X 12246
359	Sculptor	—	420	1133	8.2	—38 23	5.91	A 5	—	1	X 11361
..	Tucana	—	127	1237	14.0	—65 44	R	Mb	5	1	X 11099
400	Sculptor	—	562	1323	18.9	—31 28	5.82	K 5	—	2	X 11393, X 11441
..	Sculptor	—	548	1334	19.6	—32 20	6.94	G 5	—	1	X 11393
408	Phoenix	—	493	1345	20.2	—42 1	5.33	K 0	—	1	X 11415
420	Hydrus	—	130	1373	21.7	—64 53	5.82	K 5	—	1	X 11099
..	Sculptor	—	478	1379	22.5	—30 45	6.84	K	—	1	X 11393
436	Sculptor	—	502	1435	25.7	—26 43	6.00	K	—	2	B 4654, B 37064
..	Sculptor	—	504	1457	26.9	—30 30	6.75	K 0	—	1	X 12195
441	Sculptor	—	506	1461	27.1	—30 48	5.77	K 0	—	2	X 11857, X 12195
..	Cetus	—	651	1467	27.4	—24 9	7.22	A 5	—	1	X 11813
445	Sculptor	—	589	1493	28.4	—37 22	5.49	K 0	—	1	X 11371
..	Cetus	—	658	1492	28.5	—24 41	6.92	K 0	—	1	X 11813
..	Cetus	—	666	1523	30.1	—24 12	6.53	K 0	—	1	X 11813
..	Sculptor	—		1546	31.6	—30 25	7.13				
462	Sculptor	τ	540	1547	31.6	—30 25	6.01	F 0	6	3	X 11857, X 12195, X 12240
471	Sculptor	—	620	1590	34.0	—37 2	5.96	G 5	—	2	X 12671, B 5615
473	Cetus	—	272	1588	34.1	—21 47	5.68	F	—	1	X 11842
479	Eridanus	—	358	1606	35.0	—53 56	7.14	F	—	1	X 11403
486	Eridanus			1633	36.0	—56 42	6.04	G 5			
487	Eridanus	p	329	1634	36.0	—56 42	5.98	G 5	7	2	X 12251, X 12675
497	Sculptor	π	666	1660	37.6	—32 49	5.28	K 0	—	2	X 12658, B 5667
498	Sculptor	—	650	1661	37.6	—37 20	5.64	A 0	—	3	X 12665, X 12671, X 12689
505	Hydrus	—	130	1677	38.4	—61 17	5.58	K 0	—	1	X 11115
506	Eridanus	q ¹	365	1681	38.7	—54 14	5.56	G 0	—	2	X 11403, X 12190
512	Octans	—	27	1738	40.5	—83 29	5.88	G	—	1	B 19949
514	Sculptor	ϵ	704	1713	41.0	—25 33	5.39	F	—	2	C 17513, B 4654
516	Hydrus	τ^1	44	1736	41.3	—79 39	6.24	K 0	—	1	X 11120
519	Phoenix	—	419	1733	42.2	—51 19	5.46	Ma	—	1	X 11868
520	Eridanus	q ²	377	1737	42.3	—54 1	5.14	A 0	—	2	X 11403, X 12190
525	Octans	—	17	1800	43.1	—85 16	5.63	K 0	—	2	X 12663, B 1202
541	Phoenix	—	514	1816	47.1	—50 42	6.05	A 0	—	1	X 12230

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
550	Hydrus	τ^2	35	1869	<i>h. m.</i> 1 48.7	<i>° '</i> -80 41	6.06	F	—	1	X 11120
550	Eridanus	—	545	1911	52.3	-50 20	6.54	B 8	—	1	X 12230
632	Phoenix	—	632	2174	2 5.2	-43 59	5.78	K 0	—	1	X 11421
632	Phoenix	—	598	2185	5.7	-41 20	6.72	F 2	—	2	X 11427, B 8634
636	Phoenix	—	638	2193	6.1	-44 17	6.49	K 0	—	1	X 11421
652	Fornax	μ	882	2237	8.5	-31 12	5.24	A	—	1	X 11437
659	Phoenix	—	621	2274	10.5	-41 38	5.86	K 0	—	1	X 11427
659	Phoenix	—	626	2295	11.4	-41 32	6.96	K 5	—	2	X 11427, B 8634
667	Hydrus	π^1	126	2331	12.1	-68 19	5.44	Ma	—	1	X 12221
678	Hydrus	π^2	128	2352	13.4	-68 13	5.52	K 5	—	1	X 12221
688	Horologium	—	413	2412	16.7	-56 24	5.56	K 5	—	1	X 12249
688	Horologium	—	427	2424	17.2	-57 14	R K	8	1	X 12249	
693	Cetus	—	409	2420	17.4	-18 7	5.99	K 0	—	1	X 11852
695	Fornax	κ	1038	2433	18.0	-24 16	5.37	F 5	—	2	B 4619, B 8648
701	Eridanus	—	571	2475	19.4	-51 33	6.01	A 3	—	1	X 12209
714	Horologium	λ	199	2541	22.1	-60 45	5.47	F 2	—	2	X 12695, B 4684,
715	Hydrus	κ	194	2552	22.2	-74 6	6.00	K	—	2	B 17427, B 19950
744	Fornax	λ^1	877	2681	28.9	-35 5	5.88	K 0	—	1	X 11440
762	Horologium	—	169	2745	31.1	-63 1	6.70	B 8	—	1	X 11105
767	Fornax	ι^1	958	2752	31.9	-30 28	5.79	K	—	1	B 8859
772	Fornax	λ^2	903	2775	32.8	-35 0	5.80	G 5	—	2	X 11440, X 12247
777	Fornax	ι^2	973	2797	34.0	-30 37	5.79	F 5	—	1	B 8859
778	Horologium	η	457	2802	34.1	-52 58	5.26	A 5	—	2	X 11404, X 11416
778	Horologium	—	465	2840	35.9	-53 23	6.88	A 5	—	2	X 11404, X 11416
802	Horologium	ζ	446	2866	37.6	-54 59	5.26	F 2	—	2	X 12699, B 5619
805	Fornax	—	894	2872	38.1	-38 49	5.92	G 5	—	2	X 12659, B 4665
810	Horologium	ι	641	2898	39.1	-51 14	5.42	F 5	—	1	B 8860
814	Eridanus	—	769	2905	39.5	-40 58	6.99	A 0	9	1	X 11126
814	Eridanus	—	769	2906	39.5	-40 58	7.21	A 0	9	1	X 11126
821	Horologium	—	475	2935	41.0	-53 0	6.28	A 2	—	2	X 11404, X 11416
833	Horologium	—	196	2992	43.3	-64 8	5.69	K 0	—	1	X 11113
835	Fornax	η^1	1050	2989	43.5	-35 58	6.51	K 0	—	2	X 11394, B 12277
848	Fornax	η^2	1067	3030	46.2	-36 16	5.82	K 0	—	1	X 11394
851	Fornax	η^3	1070	3039	46.6	-36 5	5.49	K 0	—	1	X 11394
852	Horologium	ν	188	3054	46.8	-63 14	5.39	A 0	—	1	X 11113
852	Horologium	—	203	3114	49.5	-63 57	6.67	K 0	—	1	X 11113
863	Fornax	ψ	948	3103	49.7	-38 51	5.85	F	—	1	B 4679
866	Horologium	—	197	3128	50.1	-63 19	6.10	K 0	—	1	X 11113
866	Horologium	—	201	3154	51.1	-65 52	6.64	K 0	—	1	X 12185
880	Horologium	—	206	3189	52.5	-64 51	6.46	K 0	—	1	X 12185
901	Fornax	ζ	1191	3237	55.2	-25 41	5.63	F	—	1	B 5610
903	Fornax	—	1042	3245	55.5	-32 54	6.29	A 0	—	1	X 11858
914	Fornax	ϵ	987	3273	57.3	-28 28	5.90	G 5	—	2	X 12685, B 8859
929	Eridanus	—	932	3312	59.6	-47 22	5.66	K 0	—	1	X 11122
929	Horologium	—	839	3336	3 0.8	-48 15	R K	10	1	X 11122	
934	Horologium	μ	236	3352	1.3	-60 8	5.16	F 0	—	1	X 11109
939	Hydrus	θ	219	3375	2.0	-72 18	5.52	B 8	—	2	X 12654, B 5626
960	Horologium	—	884	3454	7.2	-49 6	6.10	K 0	—	1	X 11863
960	Horologium	—	265	3480	8.1	-58 11	6.72	K	—	1	X 11116
968	Eridanus	—	1025	3487	8.9	-44 47	5.92	F 2	11	1	X 12649

H.R.	Constellation.	Desig.	D.M.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.	
					<i>h.</i> <i>m.</i>	<i>°</i> <i>'</i>						
977	Horologium	—	513	3514	3	10.0	−57 41	5.72	N	—	1	X 11116
981	Hydrus	—	91	3568		10.9	−79 22	5.70	F	—	1	B 20126
993	Fornax	—	1216	3585		13.8	−29 9	5.95	A 5	—	2	X 12672, B 4655
997	Eridanus	—	651	3591		14.1	−18 55	5.83	F 0	—	1	X 11853
998	Horologium	—	900	3598		14.2	−48 7	5.84	K 0	—	1	X 12245
1004	Fornax	—	1578	3609		15.2	−24 29	5.96	Ma	—	1	B 37021
1006	Reticulum	ζ ¹	217	3626		15.6	−62 58	5.48	G 0	—	1	X 11428
1010	Reticulum	ζ ²	265	3634		16.0	−62 53	5.16	G 0	—	1	X 11428
1016	Eridanus	—	1600	3641		17.0	−23 59	5.67	G	—	2	B 8994, B 37021
1021	Horologium	—	930	3669		18.3	−48 8	6.46	K 0	—	1	X 12245
1025	Hydrus	ι	134	3704		18.4	−77 45	5.53	F 2	—	1	B 20126
1042	Fornax	χ ¹	1290	3744		22.1	−36 17	6.25	A 2	—	1	X 11438
1045	Fornax	—	1228	3743		22.2	−27 40	6.00	G	—	1	C 17533
1054	Fornax	χ ²	1306	3778		23.7	−36 2	5.72	K 0	—	1	X 11438
1058	Fornax	χ ³	1310	3793		24.4	−36 12	6.50	A 0	—	1	X 11438
1064	Hydrus	—	192	3830		25.1	−69 41	5.96	F	—	1	B 5626
1075	Eridanus	—	1085	3840		26.5	−42 59	5.71	A 3	—	2	X 12690, B 4650
1090	Horologium	—	1071	3912		29.6	−50 43	5.60	K 0	—	2	X 12666, B 4675
1092	Reticulum	—	195	3932		29.8	−66 50	5.78	B 8	—	2	X 12676, B 8861
1109	Mensa	—	101	4040		33.6	−78 41	5.64	K 0	—	2	X 12681, B 20126
1169	Horologium	—	1147	4187		42.2	−47 40	5.66	K 0	—	2	X 12650, X 12696
1171	Fornax	σ	1413	4184		42.3	−29 38	5.90	A 2	—	1	C 17584
1184	Fornax	ρ	1497	4219		43.9	−30 28	5.61	G	—	2	B 8656, B 12243
1214	Eridanus	i	1455	4346		49.8	−35 2	5.12	B 5	—	1	X 11417
1216	Horologium	—	1187	4363		50.5	−47 12	5.77	K	—	2	X 12250, B 5681
1219	Eridanus	—	1128	4368		50.9	−40 40	5.61	Comp.	12	2	B 4651, B 5683
1236	Reticulum	—	275	4444		54.8	−63 46	6.04	K 0	—	1	X 11106
1246	Eridanus	—	1597	4468		56.7	−30 46	5.85	A 0	—	1	X 11859
1271	Octans	—	44	4672	4	0.9	−85 34	6.46	B 9	13	1	B 20132
1275	Eridanus	—	1540	4580		1.4	−27 56	5.57	A 5	—	2	C 17829, B 37065
1300	Eridanus	—	801	4677		7.2	−20 37	5.80	A	—	1	B 2186
1340	Reticulum	—	334	4820		13.5	−62 26	5.40	K 0	—	1	X 11451
1364	Horologium	—	1503	4859		16.1	−44 30	5.12	K 0	—	1	X 11127
1365	Dorado	—	679	4868		16.2	−53 6	6.00	F 5	—	1	X 11864
1372	Reticulum	—	316	4880		16.6	−63 30	6.06	B 9	14	1	X 11429
1374	Eridanus	—	1642	4883		17.3	−25 57	5.88	F	—	1	B 17415
1384	Eridanus	—	1862	4911		18.9	−25 7	5.98	K 5	—	1	B 17415
1395	Reticulum	η	324	4962		20.8	−63 37	5.18	K 0	—	1	X 11429
	Eridanus	—	878	5004		23.6	−21 44	6.73	F 5	15	1	X 11854
1416	Reticulum	—	335	5016		23.7	−61 28	5.58	K 5	—	2	X 12700, B 4686
1426	Mensa	δ	116	5090		24.7	−80 27	5.62	K	—	2	B 20132, B 20151
1435	Reticulum	—	357	5081		26.6	−62 45	5.78	K	—	1	B 4686
1439	Eridanus	—	1768	5078		27.0	−35 53	5.92	K	—	3	X 12660, B 17422, B 17428
1456	Mensa	ν	115	5219		29.8	−81 49	5.79	F 0	—	1	X 12645
1475	Reticulum	—	342	5223		32.6	−63 2	5.86	K	—	1	B 4686
1476	Eridanus	—	1911	5215		33.0	−30 55	6.29	B 8	—	1	X 11439
1495	Eridanus	—	2488	5271		35.9	−24 41	5.59	K	—	1	C 17565
1509	Caelum	—	1968	5328		39.3	−30 57	5.73	K 0	—	2	X 12686, B 17423
1516	Pictor	λ	1471	5350		40.2	−50 40	5.26	G 5	—	1	B 12016
1525	Eridanus	—	1735	5394		42.4	−28 16	5.97	A 2	—	1	C 17529

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h.</i> <i>m.</i>	<i>°</i> <i>'</i>					
1530	Dorado	κ	376	5418	4 42.9	-59 55	5.35	A 3	—	1	B 4686
1531	Mensa	—	181	5453	42.9	-77 50	5.88	K	—	1	B 37252
1541	Mensa	μ	282	5456	44.0	-71 7	5.69	B 9	—	3	X 12655, B 5775, B 20133
1559	Caelum	—	1962	5524	47.8	-35 4	5.82	A	—	2	B 20128, B 20642
1563	Pictor	ι	760	5555	48.7	-53 38	5.66	F 0	16	2	X 11110, X 12678
1564	Pictor	—	—	5556	48.8	-53 37	6.33	F 0	—	—	—
	Pictor	—	1281	5561	49.0	-51 53	6.62	G 5	17	1	X 11110
1584	Caelum	—	1691	5610	51.5	-39 48	6.01	K 0	—	1	X 11123
1628	Lepus	—	1975	5755	58.1	-26 25	5.01	K	—	1	B 17416
1629	Mensa	η	290	5787	58.1	-75 5	5.28	K	—	1	B 37252
1631	Caelum	—	1744	5764	58.2	-39 52	5.99	G 5	—	2	X 12691, B 17422
1634	Lepus	1	R	5766	58.5	-22 57	5.84	K	18	2	B 17416, B 17429
1635	Caelum	—	2163	5768	58.6	-31 55	6.00	K	—	3	X 12673, B 17423, B 20128
1655	Lepus	—	2005	5817	5 1.2	-26 17	5.89	K	—	2	B 17416, B 17429
1677	Mensa	β	309	5919	4.0	-71 27	5.30	K	—	1	B 20133
1695	Dorado	—	420	5971	6.8	-63 31	5.24	Mb	—	1	X 11452
1716	Mensa	ξ	106	6105	10.2	-82 36	5.85	K	—	1	B 20151
1721	Columba	—	2127	6038	11.0	-36 5	5.79	K 0	—	1	X 11445
1727	Pictor	—	677	6056	11.6	-52 8	5.88	K 5	—	1	B 18524
1767	Pictor	ζ	1723	6167	16.9	-50 42	5.52	F 8	—	3	X 12667, B 18825, B 20643
1771	Lepus	—	—	6177	17.7	-24 52	5.45	Comp.	19	2	B 17416, B 18557
	Lepus	—	3023	6178	17.7	-24 52	6.67				
1793	Columba	—	1940	6246	20.1	-39 46	5.81	Ma	—	2	B 18523, B 24368
1813	Pictor	—	2036	6296	21.9	-44 19	5.90	K	—	2	B 4522, B 4676
1827	Columba	—	1884	6348	23.9	-41 2	5.85	A 2	—	2	B 18523, B 24368
1835	Columba	—	2220	6372	24.9	-37 19	5.53	A	—	2	B 18523, B 24368
1836	Dorado	λ	472	6387	24.9	-59 0	5.06	G 5	—	1	X 11430
1838	Columba	—	2421	6385	25.3	-30 12	6.62	K	—	1	X 11860
1856	Pictor	—	1884	6423	27.4	-47 9	5.54	G 5	—	1	X 11865
1870	Pictor	—	1892	6454	28.7	-46 0	5.80	K 2	—	1	X 11865
1877	Columba	—	2085	6465	29.4	-38 35	5.45	K 2	—	2	B 18523, B 24368
1909	Columba	—	2414	6515	31.6	-33 9	5.74	K 0	—	1	X 11444
	Columba	—	2419	6520	31.8	-33 20	6.69	G	—	1	X 11444
1917	Dorado	—	456	6553	32.4	-64 18	5.30	K	—	3	X 12677, B 8901, B 9070
1926	Columba	ν^1	2389	6555	33.4	-27 56	5.95	A 5	—	1	B 18557
1935	Columba	ν^2	2321	6574	33.9	-28 45	5.32	F 2	—	1	B 18557
1947	Columba	—	1999	6623	35.5	-40 46	5.81	A	—	2	B 18523, B 24368
1958	Columba	—	2479	6637	36.1	-32 41	5.53	K 0	—	1	X 11444
1964	Mensa	—	316	6694	37.3	-73 48	5.61	Mb	—	1	B 5775
1966	Columba	—	2483	6676	37.8	-33 27	6.38	A 0	—	1	X 11444
1968	Lepus	12	1194	6681	38.0	-22 25	5.86	A 2	—	1	B 18557
1973	Columba	—	2401	6693	38.7	-34 43	5.31	B 9	—	1	B 9061
1996	Columba	μ	2538	6780	42.3	-32 20	5.20	B 2	—	2	B 9061, B 11012
2008	Pictor	—	1999	6817	43.7	-46 38	5.13	K 0	—	2	X 12693, B 4522
2022	Mensa	π	161	6907	45.1	-80 34	5.65	G 5	—	2	B 20132, B 20151
2023	Pictor	—	892	6857	45.2	-54 23	5.96	K 5	—	2	B 9020, B 11009
2026	Lepus	—	3135	6855	45.7	-23 0	5.78	A 2	—	1	C 17585
2072	Pictor	—	901	6979	50.6	-57 11	5.95	F 5	—	2	B 9020, B 18484
2082	Columba	—	2260	6996	51.6	-39 59	5.63	K 5	—	1	X 12237
2092	Columba	σ	2848	7021	52.5	-31 24	5.54	F	—	1	B 11012

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h.</i> <i>m.</i>	<i>°</i> <i>'</i>					
2117	Pictor	—	2363	7110	5 55.6	−44 3	5.74	K 0	—	2	X 12697, B 4658
2125	Mensa	κ	202	7209	57.0	−79 23	5.56	B 8	—	3	X 12682, B 10820, B 20151
2129	Lepus	—	2865	7146	57.1	−25 25	5.90	A	—	2	B 8904, B 9054
2131	Columba	—	2681	7159	57.6	−33 55	5.62	K 5	—	1	B 11012
2138	Pictor	—	1713	7184	58.5	−51 13	5.76	A	—	1	B 4734
2140	Lepus	—	2675	7195	59.2	−26 17	5.18	G 5	—	2	B 8904, B 11012
2149	Columba	—	2743	7234	6 0.6	−32 10	5.64	B 3	—	1	B 9042
2158	Puppis	—	2302	7279	1.8	−45 5	5.82	F 5	—	1	B 9025
2164	Columba	—	2769	7285	2.3	−29 45	5.72	A 0	—	2	X 12687, B 11012
2177	Columba	θ	2609	7343	4.1	−37 14	5.13	B 9	—	2	B 4658, B 9042
2181	Columba	π^2	2351	7359	4.8	−42 8	5.48	A	—	1	B 4658
2194	Dorado	η^1	493	7413	6.0	−66 1	5.83	B 9	—	1	B 21372
2200	Lepus	—	2780	7404	6.6	−27 8	5.79	K	—	2	B 8904, B 11012
2203	Columba	—	2291	7416	6.9	−40 20	5.56	Ma	—	1	B 4658
2206	Lepus	—	2784	7417	7.2	−26 27	5.98	A	—	1	B 8904
2242	Canis Major	—	1336	7524	10.8	−20 15	5.74	K	—	2	B 8915, C 17615
2261	Mensa	α	374	7639	13.2	−74 43	5.14	K 0	—	1	X 11453
2263	Columba	—	2707	7606	13.6	−37 42	5.62	K 0	—	1	X 11446
2265	Columba	—	2708	7609	13.8	−37 12	6.00	A 2	—	1	X 11446
2311	Canis Major	—	3189	7774	19.9	−25 32	5.73	K 2	—	1	C 17572
2316	Columba	—	2873	7801	20.6	−36 40	5.72	G 5	—	1	B 9042
	Columba	—	2875	7803	20.7	−36 39	6.70	G 5	—	1	B 9042
2320	Pictor	ν	1072	7827	21.1	−56 19	5.72	A	—	2	B 9020, B 18484
2322	Carina	—	913	7831	21.4	−52 8	5.89	G 5	—	2	B 4523, B 9026
2348	Puppis	G	2308	7874	23.1	−48 7	5.94	B 9	—	2	B 9015, B 9025
2352	Dorado	π^1	607	7911	23.6	−69 56	5.56	K 5	—	1	B 9062
2369	Pictor	—	1001	7940	25.5	−57 56	5.73	K	—	2	B 9020, B 18484
2377	Dorado	π^2	614	7985	26.3	−69 38	5.40	G 5	—	1	B 9062
2380	Canis Major	—	3051	7964	26.8	−27 42	5.81	B 5	—	2	B 8904, B 10437
2384	Puppis	—	2241	7991	27.3	−50 10	5.32	F	20	2	B 4523, B 9026
2388	Columba	—	2947	7992	27.7	−35 11	5.76	Comp.	21	2	B 9042, B 18385
2389	Pictor	—	1095	8007	27.7	−56 47	5.16	K	—	1	X 11431
2399	Columba	—	2889	8023	29.0	−37 37	5.31	G	—	1	B 9042
2411	Columba	—	2990	8057	30.3	−36 9	5.45	K 2	—	1	B 9042
2412	Pictor	μ	722	8071	30.5	−58 41	5.78	B 9	—	1	B 9064
2415	Canis Major	—	3168	8068	30.9	−32 38	5.57	B 9	—	1	B 9042
2423	Canis Major	ν^1 6	1480	8088	32.0	−18 35	5.81	G	—	1	B 8902
2424	Columba	—	3009	8093	32.0	−36 42	5.60	B 9	22	1	B 9042
2444	Columba	—	2782	8151	33.6	−38 4	5.96	G	—	1	B 9042
2446	Columba	—	3031	8155	33.8	−36 54	5.72	B 9	—	1	B 9042
2447	Canis Major	—	3216	8160	34.0	−32 15	5.27	G	—	2	B 9042, B 18385
2455	Canis Major	—	4172	8198	35.4	−23 36	5.91	A	—	2	B 8904, B 20535
2460	Canis Major	—	3386	8212	35.9	−30 22	5.78	K	—	1	B 9042
2492	Canis Major	10	3484	8351	40.7	−30 58	5.16	B 3	23	1	X 11433
2497	Canis Major	—	3495	8363	41.3	−30 29	6.47	B 5	—	1	X 11433
2500	Canis Major	—	3640	8379	41.6	−31 41	5.92	F 8	—	1	X 11433
2501	Canis Major	—	3505	8382	41.8	−30 51	5.91	B 3	—	1	X 11433
2509	Canis Major	12	1576	8413	42.8	−20 55	6.00	B 8	—	1	B 8902
2515	Carina	—	998	8451	43.6	−52 19	5.68	K	—	2	B 4523, B 9026
2518	Puppis	x	3080	8455	44.0	−37 50	5.25	B 9	—	2	B 7406, B 12657

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h.</i> <i>m.</i>	<i>°</i> <i>'</i>					
2523	Carina	—	2078	8473	6 44.5	-51 10	5.28	K 2	—	2	X 12698, B 9026
2526	Carina	—	1063	8511	45.4	-55 26	5.62	K 2	—	1	B 8867
2536	Volans	—	560	8545	46.0	-70 20	5.88	K 2	—	1	B 9062
2545	Canis Major	—	3717	8528	46.6	-31 36	5.63	B 8	—	1	B 4659
2548	Puppis	—	2703	8554	47.1	-46 31	5.05	F 2	—	1	B 8969
2558	Puppis	—	3189	8577	48.2	-36 7	6.00	A 2	—	1	B 7406
2559	Mensa	ζ	196	8667	48.4	-80 42	5.64	A 2	—	1	B 8989
2591	Puppis	—	2818	8670	51.3	-42 14	6.00	N	—	1	B 8969
	Puppis	—	3349	8687	51.9	-33 41	7.14	K	—	1	X 12243
2602	Volans	ι	572	8738	52.6	-70 50	5.52	B 8	—	2	B 9003, B 9062
2619	Puppis	t	3389	8757	54.7	-33 59	5.07	B 5	—	1	X 12243
	Puppis	—	3402	8793	56.0	-33 20	6.58	A 3	—	1	X 12243
2638	Carina	—	1211	8827	56.8	-56 15	6.42	F	—	1	X 11448
2641	Puppis	—	3415	8823	57.1	-33 20	6.52	K 0	—	1	X 12243
2652	Carina	—	2224	8874	58.4	-51 16	5.02	Ma	—	2	B 4523, B 8867
2661	Carina	—	820	8907	59.6	-58 48	6.00	A 5	—	1	B 8867
2662	Volans	—	686	8934	7 0.1	-67 47	5.08	K 2	—	1	B 9003
2666	Puppis	C	2929	8935	0.9	-42 11	5.26	A 2	—	2	B 4726, B 8969
2667	Puppis	—	2906	8936	0.9	-43 28	5.80	G	—	2	B 4726, B 8969
2668	Puppis	—	8937	8937	0.9	-43 28	6.92				
2672	Puppis	H	2587	8948	1.3	-49 26	5.12	A 2	—	1	B 8969
2674	Carina	—	826	8973	1.7	-59 2	5.69	B 9	24	2	B 8867, B 18486
2683	Carina	—	1232	8984	2.5	-56 36	5.30	A 0	—	1	X 11448
2689	Mensa	θ	238	9054	2.9	-79 16	5.51	A	—	2	B 8989, B 10820
2691	Puppis	—	2930	9013	3.8	-40 44	5.91	B 9	—	1	B 8980
2698	Carina	—	2306	9046	4.8	-51 48	5.98	G 5	—	2	B 8867, B 8951
2708	Canis Major	—	3710	9080	6.3	-27 19	5.55	G 5	—	1	B 8905
2716	Canis Major	—	1767	9101	7.4	-20 43	5.71	A	—	1	B 8903
2726	Puppis	—	3421	9148	8.9	-36 22	5.94	B 5	25	1	B 7406
2727	Puppis	E	2987	9152	8.9	-40 19	5.40	A 2	—	2	X 12287, B 7406
2756	Canis Major	—	4184	9221	11.5	-30 30	5.31	B 5	—	1	B 8905
2767	Carina	—	1123	9277	13.0	-52 20	5.99	G 5	—	1	B 8867, B 8951
2769	Puppis	—	3288	9270	13.1	-38 9	5.76	B 3	—	1	X 11447
2789	Puppis	—	3093	9339	15.0	-43 49	5.96	B 9	—	1	X 12255
2791	Puppis	F	3309	9341	15.2	-39 2	5.24	A 2	—	1	X 11447
2815	Carina	—	2445	9433	18.2	-51 54	5.50	B 9	—	2	B 8867, B 8951
2819	Canis Major	—	4437	9455	19.2	-31 44	5.43	B 5	—	2	B 7406, B 8905
2822	Canis Major	—	4020	9458	19.5	-27 39	5.13	K 2	—	2	B 8905, B 8911
2823	Canis Major	—	4454	9464	19.8	-32 1	5.47	B 3	—	1	B 8905
2834	Canis Major	—	4482	9503	20.9	-31 37	5.44	G 5	—	1	B 8905
2839	Canis Major	—	1925	9505	21.1	-21 47	5.93	A 5	—	1	B 8903
2841	Canis Major	—	5366	9514	21.2	-25 1	5.86	B 9	—	2	B 8905, B 8911
2856	Puppis	—	3813	9564	23.0	-33 56	5.98	B 3	—	2	B 7406, B 8905
2862	Carina	—	2761	9594	23.8	-50 49	5.11	K 0	—	1	X 11455
2875	Puppis	y	3400	9637	25.7	-38 36	5.41	B 8	—	3	X 12303, B 10639, B 11110
2892	Carina	—	1294	9712	28.3	-54 11	5.94	K 5	—	2	B 8867, B 8951
2900	Puppis	—	5566	9719	28.9	-24 30	5.74	A 3	—	1	C 17577
2909	Puppis	n	5709	9744	30.1	-23 15	5.86	F 2	26	1	C 17556
2910	Puppis	—	9745	9745	30.1	-23 15	6.01	F 2			
2911	Puppis	Z	3715	9751	30.2	-36 7	5.51	B 5	—	2	B 10639, B 11110

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.	
					<i>h.</i>	<i>m.</i>	<i>s.</i>					
2919	Mensa	ε	265	9843	7	31.2	-78 53	5.42	K 2	—	3	B 8989, B 9003, B 10820
2940	Puppis	—	3069	9863		33.9	-48 36	5.86	B 9	—	2	B 8951, B 18559
2945	Puppis	—	3736	9867		34.2	-37 47	6.28	K 2	—	2	X 11432, B 8912
2954	Puppis	—	3773	9895		35.1	-36 16	5.74	B 5	—	2	B 10639, B 11110
2955	Puppis	—	3521	9894		35.1	-38 33	6.24	G 5	—	2	X 11432, B 8912
2957	Puppis	—	3091	9917		35.5	-48 22	5.65	F 5 p	27	2	B 8951, B 18559
2961	Puppis	d ¹	3531	9925		36.0	-38 4	4.91	B 3	—	1	X 11432
2963	Puppis	d ²	3767	9934		36.2	-37 54	5.74	B 5	28	1	X 11432
2986	Puppis	—	3564	9999		38.5	-38 18	6.24	B 8	—	1	X 11432
2994	Puppis	—	3809	10031		39.5	-35 49	5.60	B 8	—	1	B 11110
2998	Puppis	—	3675	10042		39.9	-44 55	5.22	G 5	—	1	X 11434
3002	Puppis	—	3377	10060		40.2	-40 42	5.11	K	—	1	B 10639
3007	Puppis	—	3825	10067		40.5	-35 50	5.83	A 5	—	2	B 10639, B 11110
3023	Puppis	—	2027	10152		42.9	-22 17	5.84	B 5	—	1	C 17573
3041	Puppis	T	3490	10220		44.8	-40 24	5.96	Ma	—	1	B 10639
3052	Puppis	—	4451	10254		45.8	-33 3	5.70	K 5	—	2	B 8912, B 11110
3062	Carina	—	1442	10301		46.9	-56 10	5.54	K	—	1	B 8868
3068	Puppis	—	2235	10298		47.4	-20 55	5.78	K	—	2	B 8903, B 8911
3070	Carina	—	908	10320		47.5	-60 2	5.82	F	—	2	B 8949
3079	Puppis	—	4036	10335		48.5	-34 28	5.02	F 2	29	2	X 10922, X 12258
3081	Volans	—	827	10372		49.0	-65 57	5.94	B 9	—	1	B 8913
3085	Puppis	—	3989	10357		49.4	-36 6	5.46	K 0	—	1	X 12342
3088	Carina	—	1420	10389		50.1	-54 7	5.84	B 3	—	3	B 8868, B 8869, B 8951
3091	Puppis	—	4002	10391		50.5	-35 37	5.41	B 3	—	2	X 10922, X 12342
..	Puppis	—	3847	10425		51.5	-44 6	R	B 5	30	1	X 12336
3101	Puppis	—	3737	10454		52.5	-43 35	6.04	B 5	31	1	X 12336
..	Puppis	—	3870	10460		52.7	-44 21	R	B 8	32	1	X 11442
..	Puppis	—	3574	10461		52.8	-45 43	R	B 5	33	1	X 11442
3105	Carina	—	1468	10470		52.8	-57 2	5.50	K	—	1	B 8868
3111	Puppis	—	3717	10485		53.6	-42 8	5.95	K	—	2	B 8897, B 18559
3114	Puppis	—	3758	10489		53.7	-43 14	5.42	B 3	34	1	X 12336
3116	Puppis	N	3766	10496		54.1	-43 50	5.10	B 3	—	1	X 12336
..	Puppis	—	3603	10509		54.4	-46 3	R	B 5	35	1	X 11442
3120	Carina	—	935	10521		54.6	-60 15	5.59	K 2	—	2	B 8898, B 8949
3121	Puppis	O	3611	10516		54.7	-45 18	5.16	K 5	—	1	X 11442
3137	Puppis	—	3920	10547		55.9	-44 57	6.02	B 5	—	1	X 11442
3138	Carina	—	944	10561		55.9	-60 2	5.66	F 8	—	2	B 8898, B 8949
3154	Puppis	—	4116	10626		58.0	-37 0	5.85	A 2	—	1	B 10639
3156	Carina	—	1505	10647		58.4	-53 52	5.89	B 8	—	2	B 8868, B 8952
3157	Carina	—	1470	10664		58.9	-54 14	5.99	B 5	—	2	B 8868, B 8952
..	Puppis	—	4763	10656		59.1	-32 52	R	B 3	36	1	X 12330
3160	Puppis	—	4766	10661		59.2	-32 11	5.80	K 2	—	2	X 10916, X 12330
..	Puppis	—	3980	10666		59.2	-44 23	6.58	A 0 p	37	2	X 11442, X 12366
3162	Puppis	—	3776	10668		59.3	-41 2	5.55	B 9	—	2	B 10639, B 18559
3170	Puppis	—	4796	10699	8	0.4	-32 23	5.40	Ma	—	2	X 10916, X 12330
3177	Puppis	—	4525	10728		1.9	-33 17	6.00	G 5	—	1	X 10916
3178	Vela	—	3138	10736		1.9	-50 18	6.00	K	38	1	B 8952
3180	Carina	—	1376	10751		2.4	-52 49	5.44	K 2	—	1	B 8952
..	Puppis	—	4365	10791		4.2	-34 55	7.36	A 5	—	1	X 11130
..	Vela	—	3495	10800		4.3	-48 6	R	K 0	39	1	X 11912

H.R.	Constellation.	Desig.	D.M.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.	
					<i>h.</i>	<i>m.</i>	<i>°</i>					
	Vela	—	3498	10810	8	4.7	—48 43	6.66	B 9	—	1	X 11912
3199	Puppis	—	4256	10820		5.3	—35 9	6.20	G 5	—	1	X 11130
3203	Vela	—	3516	10853		6.1	—48 23	5.86	B 8	—	1	X 11912
3218	Carina	—	1467	10889		7.2	—55 47	5.80	A 2	—	2	B 8888, B 11038
	Vela	—	3552	10887		7.3	—48 44	R	B 3	40	1	X 11912
	Vela	—	3556	10891		7.4	—48 56	6.68	B 3	—	1	X 11912
	Puppis	—	4316	10912		8.1	—35 28	6.74	M b	—	1	X 11130
3232	Vela	—	3902	10941		8.9	—46 20	5.68	F 8 p	41	1	B 8952
	Puppis	—	4504	10969		10.1	—34 54	7.00	K 0	—	1	X 11130
3241	Puppis	—	4360	10974		10.2	—36 2	5.95	B 8	—	1	B 8825
3242	Puppis	—	4365	10982		10.4	—35 11	5.82	K 0	—	1	X 11130
3247	Vela	—	3430	10996		10.7	—49 53	5.44	K 5	—	1	B 8952
3260	Carina	C	985	11097		13.8	—62 37	5.26	A 2	42	1	X 12354
3266	Puppis	—	4452	11104		14.5	—35 9	5.66	K 0	—	2	X 12256, B 8825
3291	Puppis	—	5988	11222		18.6	—26 1	5.86	F 0	43	2	B 8826, B 13092
3298	Carina	—	940	11265		19.8	—63 47	5.98	G 5	—	1	B 8898
3300	Vela	—	2980	11268		20.1	—51 48	5.93	B 9	—	2	B 8952, B 38407
3308	Puppis	—	2262	11272		20.6	—22 50	5.65	A 2	—	2	B 8826, C 17630
	Puppis	—	7269	11271		20.6	—23 22	6.81	F 2	—	1	C 17630
3315	Puppis	—	7277	11277		20.8	—23 43	5.46	K 5	—	2	B 8826, C 17630
3316	Puppis	—	2522	11281		20.9	—20 44	6.00	F 2	—	2	B 8826, C 17642
3326	Puppis	—	4119	11326		22.4	—41 50	5.30	B 3	—	2	X 12293, B 8888
3330	Vela	—	3004	11340		22.7	—51 24	5.23	B 3	—	1	X 12296
3334	Volans	η	694	11378		23.0	—73 5	5.40	A 2	—	1	X 11918
3341	Vela	—	1474	11371		23.7	—52 29	6.14	A 0	—	1	X 11449
3343	Pyxis	—	4842	11375		24.2	—34 47	5.82	B 5	—	2	B 8825, B 8889
	Vela	—	1480	11385		24.2	—52 22	R	F 2	44	1	X 11449
3350	Vela	F	1484	11402		24.9	—52 46	5.12	F 0	—	3	X 11449, X 14516, X 11465
3356	Vela	—	4337	11417		25.7	—43 50	5.94	B 3	—	2	B 8888, B 11011
	Vela	—	4462	11428		26.0	—44 23	6.66				
3359	Vela	—		11429		26.0	—44 23	5.22	B 5	45	2	X 12276, B 8888
3362	Pyxis	—	6165	11434		26.5	—31 49	5.63	K 2	—	2	B 8825, B 8889
3370	Volans	—	919	11474		27.1	—69 46	5.62	B 9	—	2	X 10944, B 13093
3373	Vela	—	4566	11468		27.7	—38 44	6.24	B 3	—	1	X 12325
3386	Vela	—	1517	11522		29.3	—52 52	5.77	Comp.	46	2	X 11449, X 11456
3388	Vela	—	4850	11526		29.6	—38 2	6.38	B 3	—	1	X 12325
3389	Vela	—	4610	11533		29.9	—38 30	5.95	B 8	—	1	X 12325
3393	Chamaeleon	—	258	11598		30.3	—80 35	5.60	K	—	1	B 8990
	Vela	—	1532	11579		31.4	—52 44	6.88	B 5	—	1	X 11449
3413	Vela	—	3417	11614		32.8	—50 37	5.96	B 9	47	1	B 4985
3430	Pyxis	—	2345	11669		34.8	—22 19	5.13	G 5	48	1	C 17534
3432	Carina	—	1058	11711		35.5	—62 30	5.38	G 5	—	1	B 8898
3433	Pyxis	ζ	6544	11696		35.6	—29 12	5.04	G	—	2	B 4916, B 8889
3439	Vela	—	4653	11727		36.6	—39 54	5.17	B 9	—	2	B 8890, B 9034
3444	Vela	—	4679	11750		37.2	—44 50	5.74	K 5	—	1	B 4947
3448	Vela	—	1584	11761		37.4	—52 39	5.73	B 5	—	2	B 4985, B 8914
3460	Volans	θ	946	11810		38.7	—70 1	5.26	A	—	1	X 12362
3476	Vela	D	3761	11849		40.6	—49 27	5.19	B 2	—	3	X 12308, B 4916, B 4985
3479	Pyxis	—	4980	11856		41.1	—36 47	5.76	B 8	—	3	B 9005, B 9033, B 9427
3494	Vela	—	4526	11917		43.1	—45 32	5.54	B 5 p	49	1	X 12380

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.	
					<i>h.</i>	<i>m.</i>	<i>°</i>					
	Pyxis	—	5728	11936	8	43.8	—33 1	6.90	K 0	—	1	X 11435
3496	Vela	—	4541	11945		43.9	—45 48	5.83	F 0 p	50	1	X 12380
3502	Chamaeleon	η	372	12016		44.7	—78 37	5.62	B 9	—	1	X 12388
3512	Pyxis	—	5770	11988		45.8	—32 25	5.23	G 5	—	2	X 10925, X 11435
3513	Pyxis	—	6600	11990		45.9	—29 5	5.98	G 5	—	3	C 17696, B 4916, B 8889
3514	Vela	—	4838	11994		45.9	—39 57	5.41	A 2	—	2	B 8890, B 9034
3516	Pyxis	—	6610	11998		46.1	—28 14	5.99	B 9	—	2	B 4916, B 8889
3524	Chamaeleon	—	378	12065		46.6	—78 43	6.12	A 5	—	1	X 12388
	Vela	—	4945	12040		47.5	—38 16	6.67	B 3	—	1	X 12348
3533	Pyxis	—	5814	12062		48.3	—32 8	6.50	K 2	—	1	X 11435
3535	Vela	—	4980	12079		49.0	—38 21	5.82	Ma	—	1	X 12348
3536	Carina	—	1759	12090		49.0	—57 16	5.70	B 8	—	2	X 11891, X 12368
3537	Volans	—	927	12101		49.2	—66 26	5.41	F 5	—	1	X 11470
3539	Vela	—	4460	12093		49.3	—47 59	6.11	B 3	—	1	X 11443
3543	Chamaeleon	—	352	12139		49.7	—79 8	5.76	K 2	—	1	X 12388
3549	Carina	—	1918	12125		50.4	—56 17	6.03	B 9	—	1	X 12368
3551	Vela	—	4480	12122		50.5	—47 9	5.32	A 5	—	1	X 11443
3568	Carina	—	1790	12165		52.3	—57 52	6.32	B 5	—	1	X 12368
3570	Vela	—	1925	12162		52.4	—54 35	5.72	F 5	—	2	B 5882, B 8953
3583	Vela	—	4282	12217		54.6	—48 11	5.86	K	—	1	B 4947
3604	Carina	—	1283	12331		58.5	—60 34	5.80	K	—	1	B 8898
3610	Volans	—	879	12368	9	0.0	—68 17	5.82	K 5	—	3	B 5899, B 8899, B 21452
	Carina	—	2010	12450		4.6	—57 4	6.58	G 5	—	1	X 11138
3644	Pyxis	ϵ	7194	12466		5.7	—29 57	5.56	A 3	—	1	B 8964
3656	Vela	—	5358	12519		7.8	—38 51	6.12	B 9	—	1	X 10917
3658	Vela	—	4987	12526		8.0	—46 10	5.92	B 3	—	1	B 4947
3661	Vela	—	5041	12542		8.8	—43 12	5.74	B 8	51	1	X 12403
	Carina	—	1914	12548		8.8	—57 33	6.64	B 3	—	1	X 11138
3670	Vela	—	5010	12575		10.1	—46 55	5.92	B 9	—	1	X 4947
3672	Vela	—	5068	12587		10.4	—43 44	5.94	B 5	—	1	X 12403
3678	Octans	ζ	183	12688		11.2	—85 16	5.38	A 3	—	2	B 22168, B 24573
3692	Vela	—	5103	12635		12.7	—43 51	5.01	K 5	—	1	X 12403
3693	Carina	—	1951	12641		12.8	—57 9	6.33	K 0	—	1	X 11138
3694	Vela	—	5430	12640		13.1	—38 59	5.37	K 0	—	2	X 10917, X 12331
	Vela	—	5457	12670		14.6	—38 37	6.66	A	—	1	X 12331
3703	Vela	K	4001	12676		14.7	—50 38	5.34	B 9	—	1	X 11934
3708	Vela	—	3693	12691		15.4	—51 8	5.87	B 8 p	52	1	X 11934
3712	Carina	—	918	12717		15.9	—68 16	5.44	F 2	53	1	X 12316
3713	Carina	—	1002	12722		16.1	—66 37	5.88	G	—	2	B 8899, B 21452
3720	Carina	—	579	12768		17.6	—74 28	5.45	A 0	—	1	X 12374
3721	Carina	—	580	12767		17.6	—74 18	6.02	A 0	—	1	X 12374
3726	Vela	—	5023	12753		18.1	—41 46	5.76	Ma	—	1	B 4947
3730	Vela	—	5099	12776		18.7	—45 37	6.00	G	—	1	B 4947
	Vela	—	2356	12812		19.9	—53 23	R	K	54	1	X 11450
3738	Hydra	28	2616	12815		20.4	— 4 41	5.81	K 5	—	1	C 17708
3739	Vela	—	3767	12826		20.6	—51 18	6.14	F 0 p	55	1	X 11934
3742	Carina	—	1265	12847		21.5	—61 13	5.97	G 5	—	1	B 8899
	Vela	—	2346	12864		22.3	—52 49	R	G	56	1	X 11450
3752	Carina	—	1271	12889		22.9	—61 31	6.00	A 2	—	1	B 8899
3753	Vela	I	2360	12885		23.0	—52 56	5.22	B 5	—	2	X 11450, X 12304

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
3763	Hydra	—	2915	12916	^{h.} 9 ^{m.} 24.6	—20 19	5.96	K 5	—	2	C 17601, B 4916
..	Vela	—	2387	12921	24.7	—53 4	R F 0	57	1	X 11450	
3770	Antlia	—	7117	12942	25.5	—26 9	5.67	G 5	—	1	B 7734
3777	Carina	—	833	12994	26.2	—71 10	5.48	K	—	1	B 35944
3784	Vela	—	4204	12991	26.7	—51 4	5.60	B 8	—	2	X 10923, X 11988
3789	Antlia	ζ ²	7369	13001	27.3	—31 25	5.96	F	—	2	B 8964, B 9036
3790	Antlia	—	5751	13003	27.3	—35 16	5.96	K	—	2	X 12429, B 9036
3793	Carina	—	2090	13013	27.4	—57 56	5.78	Ma	—	1	B 7416
3795	Chamaeleon	ι	350	13048	27.5	—80 22	5.44	F 2	58	1	X 12349
3808	Hydra	—	2936	13031	28.7	—20 41	5.16	G 5	—	2	C 17682, B 8981
3810	Hydra	—	2645	13038	28.8	—22 26	5.84	A 0	—	1	C 17706
3819	Vela	L	4270	13090	30.7	—50 49	5.16	B 3	—	2	X 10923, X 11988
3821	Carina	H	835	13107	30.9	—72 39	5.52	K	—	2	B 21456, B 35944
3830	Antlia	—	8272	13122	32.5	—24 51	5.94	K 0	—	1	C 17697
3833	Antlia	—	7458	13132	32.9	—31 44	5.63	K 0	—	1	X 12343
3837	Vela	—	2612	13149	33.4	—52 30	6.10	G 5	—	1	X 11480
3840	Vela	—	2646	13157	33.8	—53 13	5.53	A 2	59	2	X 11480, X 11913
3842	Vela	y	5462	13159	34.1	—42 45	5.50	K 0	—	2	X 11457, X 11881
..	Vela	—	2664	13171	34.7	—53 46	R A 0 p	60	2	X 11480, X 11913	
..	Vela	—	2554	13205	36.1	—54 18	R B 3	61	1	X 11480	
3860	Chamaeleon	ζ	365	13246	36.8	—80 30	5.24	B 3	—	1	X 12349
3863	Carina	—	2228	13234	37.7	—57 32	5.36	A 2	—	3	X 10936, X 12297, X 12407
3864	Carina	—	2435	13238	37.9	—56 48	5.83	K 0	—	2	X 10936, X 12407
3875	Vela	O	2788	13282	40.3	—53 26	5.71	A 0	—	2	X 11480, X 11913
..	Chamaeleon	—	365	13360	41.8	—81 15	6.76	K 0	—	1	X 12349
3883	Carina	—	2499	13332	42.5	—56 44	6.58	B 8	—	2	X 10936, X 12407
3886	Vela	—	5846	13331	42.6	—44 18	5.68	B 3	—	2	X 12277, X 12414
3895	Vela	—	2548	13403	45.4	—55 57	6.14	K 0	—	1	X 12407
3902	Chamaeleon	ν	598	13447	46.3	—76 19	5.35	K 0	—	2	X 11496, X 12320
3913	Carina	—	1673	13462	48.1	—58 57	5.78	K 2	—	1	X 12355
3914	Carina	—	1335	13466	48.1	—62 17	5.59	K 0	—	2	X 11471, X 11968
3924	Vela	—	4622	13512	50.2	—50 40	6.00	B 3	—	3	X 11487, X 11510, X 11980
3925	Vela	—	5987	13518	50.4	—44 49	5.75	B 5	—	2	X 12284, B 4986
3927	Vela	—	4801	13535	51.1	—49 46	5.89	A 0	—	1	X 11510
3932	Antlia	—	6895	13563	52.2	—32 57	5.86	K 0	—	4	X 12337, X 12356, X 12420,
3935	Vela	—	4662	13585	52.7	—50 52	6.47	B 3	—	2	X 11487, X 11980
3947	Antlia	η	6050	13618	54.6	—35 25	5.25	F 0	—	1	X 11515
..	Vela	—	4876	13682	57.2	—50 0	7.18	B 5	—	1	X 11510
3964	Vela	—	5759	13726	59.4	—46 9	6.27	A 0	—	1	X 11135
3965	Hydra	—	8973	13732	59.8	—23 48	5.80	F 0	—	2	X 12422, C 17603
3976	Vela	—	5806	13797	10 2.2	—46 53	5.22	K 0	62	1	X 11135
3978	Vela	R	4471	13800	2.4	—51 42	6.76	K	—	1	X 11475
..	Vela	—	4813	13805	3.0	—50 35	R A 0	63	1	X 11151	
3983	Chamaeleon	μ	399	13840	3.4	—81 44	5.62	A 0	—	1	X 11919
..	Vela	—	5561	13817	3.7	—47 46	6.73	B 3	—	1	X 11135
3990	Vela	Q	4507	13850	5.1	—51 19	5.10	B 5	—	2	X 11151, X 11475
..	Vela	—	5576	13848	5.2	—47 49	6.84	A 5	—	1	X 11135
..	Vela	—	5879	13865	5.8	—46 57	R K 0	64	1	X 11135	
3995	Carina	—	1248	13875	5.9	—65 19	5.36	K 0	—	2	X 11874, X 11989
..	Vela	—	5601	13877	6.3	—47 31	R K 0	65	1	X 11135	

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
4010	Vela	—	4560	13930	<i>h.</i> 10 <i>m.</i> 8.6	<i>°</i> —51 <i>'</i> 40	6.42	K 0	—	2	X 11151, X 11475
4015	Antlia	—	6222	13941	9.5	—39 51	5.96	K 0	—	1	X 12432
4017	Vela	—	4924	13942	9.6	—50 44	5.54	A 5	—	4	X 11151, X 11475, X 11486,
4019	Antlia	—	6225	13943	9.7	—39 48	6.33	K 0	—	1	X 12432
4020	Vela	—	4578	13945	9.7	—51 15	6.04	A 2	—	3	X 11151, X 11475, X 11486
..	Vela	—	3325	13969	10.4	—54 29	R B 3	66	1	X 11946	
4025	Carina	M	1273	13983	10.7	—65 52	5.37	A 3	—	3	X 11874, X 11989, X 12019
4036	Vela	—	6074	13991	11.3	—42 36	5.77	K 2	—	2	B 4948, B 4987
4038	Vela	—	3356	14002	11.6	—54 28	6.48	B 3	—	1	X 11946
4045	Vela	—	4990	14039	12.8	—50 42	6.40	Mb	—	3	X 11151, X 11475, X 11486
4049	Antlia	—	8070	14045	13.5	—28 30	5.62	B 9	—	2	X 12394, C 17702
..	Vela	—	5046	14084	15.1	—50 13	7.24	B 3	—	1	X 11151
..	Vela	—	5782	14102	15.8	—47 28	6.89	A 2	—	1	X 11467
..	Vela	—	5055	14109	16.0	—51 4	R F 2	67	1	X 11151	
4066	Vela	—	5790	14114	16.2	—47 12	5.62	K	—	1	X 11467
4086	Antlia	—	6509	14191	19.1	—37 31	5.40	A 3	—	2	X 10926, X 12363
4089	Carina	L	1243	14216	20.0	—66 24	5.28	B 8	—	2	X 11472, X 12019
..	Vela	—	5895	14269	22.6	—47 9	R A 5	68	1	X 11467	
4107	Vela	—	3651	14277	23.0	—54 22	5.58	K	—	1	X 11974
4117	Hydra	—	8381	14314	24.9	—29 9	5.80	K 5	—	2	C 17599, B 8966
..	Carina	—	1595	14324	24.9	—62 40	6.72	B 3	69	1	X 11454
4120	Carina	—	1440	14337	25.5	—63 40	5.25	K 5	—	1	X 11454
4129	Carina	—	1291	14363	27.1	—66 29	6.40	B 5	—	2	X 10945, X 11472
4130	Hydra	—	7503	14357	27.2	—27 44	5.98	F 8	—	3	X 12445, C 17617, C 17631
4134	Vela	—	3909	14369	27.5	—53 13	5.08	G 0	—	1	X 11981
4135	Vela	—	6582	14372	27.7	—44 34	6.19	B 8	70	2	X 11539, B 4987
4136	Vela	s	6583	14373	27.7	—44 33	6.55				
4143	Vela	t	6205	14397	28.8	—46 30	5.11	K 0	—	1	X 10951
..	Antlia	—	6488	14402	29.1	—39 44	6.74	K 0	—	1	X 11554
4145	Hydra	44	2946	14403	29.2	—23 14	5.32	K 2	—	2	B 5893, B 5896
4153	Antlia	U	6579	14440	30.8	—39 3	5.75	N	—	1	X 11554
..	Hydra	—	8306	14475	31.9	—28 15	6.75	A 0	—	1	X 12445
4162	Hydra	—	8033	14493	32.5	—26 53	5.08	K 5	—	1	C 17569
..	Vela	—	4002	14520	33.2	—53 20	6.66	B 3	—	1	X 11981
4186	Carina	—	758	14617	36.9	—73 58	5.98	K 5	—	1	X 12389
4194	Antlia	—	7572	14635	38.1	—32 12	5.73	A	—	2	X 12300, B 5878
4211	Carina	—	1183	14731	41.4	—70 20	6.32	A 3	—	1	X 11547
4212	Carina	—	1185	14735	41.6	—70 20	6.51	A 3	—	1	X 11547
4221	Vela	—	3800	14767	42.9	—56 14	5.46	B 8	—	3	X 12305, X 12451, B 4958
4225	Hydra	—	8536	14778	43.6	—31 10	5.90	A 0	—	1	X 12360
4238	Antlia	—	7288	14820	45.3	—33 32	5.73	A 0	—	1	X 12369
4250	Carina	—	3947	14886	48.4	—56 43	5.57	B 8 p	52	3	X 12305, X 12326, X 12451
4262	Carina	—	1246	14943	50.4	—70 11	6.11	B 8	71	2	X 11497, X 11547
..	Vela	—	5683	14972	52.3	—50 4	7.44	A 5	—	1	X 11141
4274	Vela	—	5534	14982	52.8	—50 14	6.16	A 3	—	1	X 11141
4282	Hydra	—	7401	15020	54.5	—33 12	5.76	F 0	—	2	X 10918, X 11985
4292	Vela	—	6692	15043	55.4	—43 16	5.94	B 9	—	2	X 11511, X 12332
4296	Vela	—	5220	15058	55.8	—51 17	6.34	A 3	—	1	X 11177
..	Vela	—	5230	15073	56.5	—51 32	7.02	A 0	—	1	X 11177
..	Vela	—	5641	15140	59.3	—50 49	6.94	A 5	—	1	X 11177

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
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4311	Antlia	—	6924	15145	10 59.6	—36 11	7.15	A 2	—	1	X 11169
4312	Vela	—	6466	15153	11 0.0	—47 8	5.94	A 5	—	2	X 11488, X 11505
4313	Octans	η	386	15189	0.0	—84 3	6.26	A	—	2	X 11568, B 22569
4318	Antlia	—	6954	15155	0.2	—35 16	5.53	A 0	—	1	X 11169
4318	Centaurus	—	6734	15188	1.2	—46 54	7.02	A 0	—	1	X 11505
4321	Centaurus	—	5686	15195	1.6	—50 40	6.36	G 5	—	1	X 11177
4321	Centaurus	—	5693	15206	2.0	—50 25	6.33	K 2	—	1	X 11177
4324	Hydra	—	8776	15214	2.4	—32 3	6.56	A 5	—	1	X 11535
4326	Carina	—	1630	15223	2.4	—64 18	6.40	A 2	—	2	X 10953, X 11908
4327	Centaurus	—	6343	15224	2.7	—42 6	5.34	A 2 p	72	1	X 11136
4329	Carina	—	1305	15243	3.2	—70 20	5.80	B 3	73	3	X 11482, X 11497, X 11547
4339	Hydra	—	8816	15279	5.1	—31 49	5.76	A 2	—	1	X 11535
4346	Hydra	—	8847	15330	7.4	—31 53	6.46	Ma	—	1	X 11535
4350	Centaurus	—	6263	15347	8.0	—48 33	5.67	A 2	—	1	X 11468
4354	Centaurus	—	6872	15361	8.6	—43 50	5.84	K 5	—	1	B 4949
4355	Carina	—	1860	15365	8.6	—63 37	5.52	B 8	—	4	X 10953, X 11908, X 12317,
4360	Centaurus	—	4350	15374	9.1	—52 41	5.91	K	—	1	B 9442
4384	Carina	—	1881	15504	15.2	—64 2	6.06	F 5	—	6	X 10953, X 11875, X 11908,
4389	Musca	—	1238	15534	16.2	—71 27	6.45	B 3	—	1	X 11914
4401	Musca	—	1657	15587	19.1	—64 24	6.84	B 5	74	4	X 11476, X 11875, X 11908,
4401	Musca	—	1657	15588	19.1	—64 24	5.66	B 5	74	4	X 11476, X 11875, X 11908,
4406	Musca	—	1248	15612	20.2	—71 42	5.69	B 3	—	1	X 11914
4413	Centaurus	—	1893	15640	21.4	—63 25	5.34	G 0	—	1	X 11875
4415	Centaurus	—	2941	15652	22.1	—60 34	5.54	B 5	—	1	X 11473
4417	Centaurus	—	4567	15651	22.2	—52 36	5.91	Comp.	75	1	X 12313
4423	Centaurus	—	6565	15684	23.8	—42 7	5.34	B 9	76	3	X 11901, B 13106, B 13118
4425	Musca	—	1669	15695	24.1	—65 56	R	B	77	1	X 12438
4425	Musca	—	1253	15701	24.2	—71 55	6.31	B 3	—	1	X 11914
4428	Crater	—	10009	15707	24.6	—23 55	5.73	A 0	—	2	X 12423, C 17591
4438	Centaurus	—	2039	15714	24.8	—63 0	6.56	B	—	1	X 11875
4438	Centaurus	—	3011	15747	26.6	—60 43	6.36	A 2 p	78	1	X 11473
4443	Hydra	N 17		15759	27.3	—28 43	5.86	G 0	79	1	X 11629
4444	Hydra		8928	15760	27.3	—28 43	5.78	G 0		1	X 11629
4447	Centaurus	—	7168	15776	27.9	—39 53	5.71	Ma	—	1	X 11186
4448	Musca	—	1605	15781	27.9	—66 24	5.93	K 0	—	2	X 12375, X 12438
4453	Centaurus	—	7175	15795	28.7	—40 2	5.50	A 2	80	1	X 11186
4462	Centaurus	—	6630	15827	30.2	—48 35	5.57	K 0	—	1	X 12350
4463	Centaurus	C ¹	7199	15832	30.4	—46 49	5.63	Ma	—	2	X 11555, X 11879
4466	Centaurus	C ²	7205	15841	31.1	—47 5	5.42	F 0	—	2	X 11555, X 11879
4469	Centaurus	—	3090	15842	31.1	—60 44	R	A 0 p	81	1	X 11473
4469	Hydra	22	8199	15854	31.6	—33 1	5.87	K	—	2	B 18750, B 21369
4476	Centaurus	C ³	6997	15883	32.7	—47 11	5.45	K 2	—	1	X 11879
4479	Chamaeleon	π	744	15898	33.1	—75 21	5.74	F 0	—	1	X 11943
4485	Musca	—	1629	15900	33.3	—67 4	5.90	K 0	—	3	X 12301, X 12375, X 12438
4488	Crater	ι 24	3466	15903	33.6	—12 39	5.64	G 0	—	1	X 11638
4490	Crater	—	3470	15919	34.5	—12 37	6.80	K 0	—	1	X 11638
4490	Crater	—	3420	15931	34.8	—13 55	6.39	A 0	—	1	X 11638
4492	Musca	—	1685	15937	34.8	—64 50	5.08	Comp.	82	1	X 11558
4502	Centaurus	—	7155	15983	36.4	—42 32	5.69	A 0	—	1	X 11582
4502	Musca	—	839	16018	37.8	—74 40	6.52	G 0	—	1	X 11943

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
4513	Centaurus	—	2250	16046	11 39.1	—62 19	6.22	A 0	—	1	X 12364
4523	Centaurus	—	7301	16103	41.8	—39 57	5.04	G 5	—	3	X 12278, X 12344, X 12421
4524	Centaurus	—	7438	16110	42.0	—35 21	6.26	K 0	—	2	X 10927, X 12014
4526	Centaurus	—	4989	16120	42.4	—57 8	5.44	K 5	—	2	X 11540, X 11894
4541	Centaurus	—	2677	16169	45.5	—62 5	5.65	A 2 p	83	1	X 12364
4548	Hydra	—	9506	16192	46.6	—30 16	5.96	G 0	—	2	X 12282, X 12395
4549	Musca	—	1724	16200	47.0	—64 39	5.10	B 5	84	2	X 11558, X 11947
4551	Centaurus	—	4836	16206	47.2	—56 26	5.69	A 2	—	2	X 11540, X 11894
..	Centaurus	—	7521	16221	48.3	—36 1	6.66	F 0	—	1	X 12014
4556	Centaurus	—	4861	16245	49.2	—56 51	6.26	A 0	—	2	X 11540, X 11894
..	Centaurus	—	4863	16249	49.4	—56 24	6.95	Ma	—	1	X 11540
4558	Hydra	—	8930	16252	49.7	—25 9	5.50	G 5	—	1	X 11620
4563	Centaurus	—	2408	16263	50.0	—62 43	6.05	A 2 p	83	1	X 12364
..	Crater	—	10041	16272	50.5	—24 18	6.82	K	—	1	X 11620
4576	Crux	—	4751	16341	53.2	—55 45	5.64	B 8	—	1	X 12302
4579	Hydra	—	8963	16360	53.8	—25 21	6.39	A 0	—	1	X 11620
..	Crux	—	4926	16371	54.4	—56 36	6.90	A 2	—	1	X 11540
4592	Crux	—	4954	16417	56.4	—56 56	6.41	B 9	—	1	X 11894
..	Centaurus	—	6916	16420	56.7	—41 16	R	A 2	85	1	X 11152
4595	Octans	—	371	16438	57.3	—85 4	5.89	K	—	2	X 12452, X 12509
4597	Musca	—	1604	16441	57.6	—68 38	6.10	B 8	—	3	X 11975, X 11990, X 11998
4600	Centaurus	—	6938	16458	58.5	—41 52	5.28	F 0	—	1	X 11152
4604	Musca	—	1896	16481	59.5	—67 46	5.42	A 0	—	2	X 10940, X 11975
4607	Crux	—	3697	16488	59.8	—60 24	5.96	Ma	—	1	X 11489
..	Crux	—	3704	16494	12 0.0	—60 37	R	K 0	86	1	X 11489
..	Centaurus	—	7126	16498	0.2	—48 27	R	K 0	87	1	X 11178
..	Musca	—	1612	16505	0.6	—69 1	R	B 0 p	88	3	X 11998, B 13024, B 13773
4611	Musca	—	1791	16508	0.7	—64 59	6.48	B 8	89	3	X 10946, X 11523, B 4980
4612	Hydra	—	7694	16512	0.8	—35 8	6.26	B 9	—	2	X 11498, X 11536
..	Musca	—	1614	16518	1.0	—68 34	R	G 0	90	1	X 11990
4614	Musca	—	1903	16527	1.1	—68 5	6.24	K 0	—	3	X 11975, X 11990, X 11998
..	Musca	—	1632	16525	1.1	—69 14	R	B 3	91	2	X 11990, X 11998
4615	Musca	—	1788	16534	1.2	—65 9	6.18	Comp.	92	3	X 10946, X 11143, X 11523
..	Musca	—	1788	16535	1.2	—65 9	7.92				
4617	Musca	—	880	16560	2.6	—74 48	5.16	K 0	—	1	X 11506
..	Crux	—	3771	16567	3.0	—60 13	7.62	G 5	—	1	X 11489
4620	Centaurus	E	7396	16570	3.1	—48 8	5.58	A 0	—	1	X 11178
4622	Crux	—	3777	16574	3.2	—60 17	6.22	K 2	—	1	X 11489
4624	Centaurus	—	7502	16588	3.7	—43 46	5.93	A 2	—	1	X 11548
4625	Centaurus	—	7128	16589	3.8	—40 40	5.62	B 3	—	1	X 11512
4634	Crux	—	3812	16631	5.8	—60 43	6.24	F 0	—	1	X 11489
4636	Centaurus	—	7845	16632	5.9	—44 52	6.48	K 0	—	1	X 11137
..	Centaurus	—	7524	16641	6.3	—43 43	6.60	F 5	—	1	X 11548
..	Musca	—	1815	16651	6.4	—64 23	R	K 0	93	1	X 11143
4645	Musca	S	1646	16671	7.4	—69 36	var.	F 8 p	94	1	X 11998
4648	Centaurus	—	7581	16688	8.2	—38 22	5.90	B 3	—	1	X 11604
4652	Centaurus	D	7630	16700	8.8	—45 10	5.29	K 0	95	1	X 11137
..	Musca	—	1819	16703	8.9	—65 59	7.28	B 5	—	1	X 11143
..	Musca	—	1820	16708	9.0	—65 58	7.54	B 1	—	1	X 11143
4655	Corvus	—	3606	16727	9.8	—20 17	5.98	G 5	—	3	X 12415, C 17594, B 9046

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
4669	Musca	—	1844	16756	^{h.} 12 ^{m.} 11.7	[°] -65 ['] 8	6.23	A 0	—	2	X 11143, X 12711
4692	Centaurus	—	7635	16787	13.4	-38 51	7.57	K	—	1	X 11604
4692	Musca	—	1842	16817	15.0	-65 17	6.42	B 9	—	2	X 11143, X 12711
4702	Crux	—	5019	16846	16.5	-55 49	5.95	Ma	—	1	B 9429
4706	Centaurus	—	8100	16853	16.9	-34 57	6.98	K 0	—	1	X 11187
4706	Crux	—	5202	16867	17.4	-57 7	5.59	B 8	—	1	X 12327
4711	Corvus	—	10312	16876	17.8	-24 19	6.92	K 0	—	1	X 11655
4711	Corvus	6	10314	16887	18.2	-24 17	5.81	K 0	—	1	X 11655
4712	Centaurus	x ¹	8117	16894	18.3	-34 51	5.42	B 9	—	1	X 11187
4713	Centaurus	—	7700	16893	18.3	-38 45	6.43	A 5	—	2	X 10949, X 12028
4714	Centaurus	—	7701	16896	18.5	-38 21	5.90	B 9	—	2	X 10949, X 12028
4720	Centaurus	—	7710	16900	18.9	-38 21	6.93	A 5	—	1	X 12028
4720	Musca	—	1898	16909	19.4	-64 39	R	B 1 p	96	2	X 11143, X 12711
4720	Musca	—	1862	16918	19.7	-65 12	6.35	K 0	—	2	X 11143, X 12711
4721	Centaurus	—	7163	16923	19.8	-41 57	6.26	G 0	—	2	X 11532, X 11583
4724	Centaurus	x ²	8146	16929	20.1	-34 38	5.77	B 9	97	1	X 11187
4735	Hydra	—	8713	16957	21.6	-32 16	5.68	A 0	—	4	X 10915, X 12290, X 12361,
4739	Crux	—	4289	16962	22.0	-58 26	5.43	Mb	—	4	X 12306, X 12357, X 12390,
4748	Centaurus	u	7753	16991	23.0	-38 29	5.60	B 8	—	3	X 10949, X 12015, X 12028
4749	Crux	—	5084	16992	23.2	-55 50	6.22	K 0	—	3	X 11458, X 11474, X 11902
4754	Crux	—	5097	17014	24.4	-55 58	5.76	Ma	—	3	X 11458, X 11474, X 11902
4755	Centaurus	—	7219	17020	24.6	-41 11	5.90	Mb	—	1	X 11532
4759	Centaurus	—	7688	17022	24.6	-42 22	R	Ma	98	1	X 11532
4759	Corvus	—	3383	17039	25.1	-23 9	5.87	K 5	—	1	X 11659
4768	Crux	—	4344	17062	26.1	-58 52	5.44	F 8 p	41	3	X 12357, X 12390, X 12503
4776	Corvus	—	3552	17098	27.4	-13 18	5.70	F 0	—	1	X 11663
4788	Musca	—	2005	17127	29.0	-67 12	R	Mb	99	1	X 12433
4788	Centaurus	—	7755	17130	29.3	-44 7	5.86	G 5	—	1	X 11469
4794	Centaurus	—	7376	17141	30.3	-40 28	5.23	A 5	—	1	X 10954
4803	Hydra	—	9233	17185	32.4	-26 35	5.44	F 0	—	1	X 11630
4806	Crux	—	5161	17188	32.5	-55 23	6.96	A 2	—	1	X 11210
4806	Musca	—	1861	17195	33.0	-66 38	6.46	B 2	—	1	X 12433
4810	Hydra	—	9845	17216	33.7	-29 52	6.02	K 0	—	1	X 11647
4818	Hydra	—	8811	17267	35.9	-27 21	6.90	Ma	—	1	X 11639
4818	Centaurus	—	7944	17266	35.9	-45 36	5.84	K 0	—	1	B 13447
4830	Crux	—	2898	17296	36.9	-62 30	6.00	B 1	100	2	X 11195, X 11909
4832	Crux	—	5194	17301	37.1	-55 24	6.23	B 9	—	2	X 11210, X 12020
4834	Crux	—	5197	17308	37.5	-55 37	6.25	B 8	—	2	X 11210, X 12020
4839	Hydra	—	8832	17343	38.6	-27 47	5.73	K 2	—	1	X 11639
4850	Hydra	—	9685	17373	39.9	-28 13	6.77	A 2	—	1	X 11639
4850	Centaurus	—	8912	17403	41.3	-32 46	5.98	K 0	—	3	X 12285, X 12333, X 12525
4860	Hydra	—	9340	17436	43.2	-27 3	5.80	G 5	—	3	X 12404, X 12446, C 17604
4862	Musca	—	1391	17435	43.3	-71 26	5.60	K 0	—	2	X 12318, X 12716
4868	Crux	—	4483	17453	44.3	-59 51	5.96	A 2	—	1	X 11556
4870	Crux	—	3376	17450	44.3	-62 6	6.51	K 0	—	2	X 11195, X 11575
4870	Octans	ι	407	17440	44.4	-84 35	5.38	K 0	—	2	X 11516, X 11957
4872	Centaurus	—	5947	17471	45.2	-52 14	5.90	A 3	—	1	X 11142
4874	Centaurus	p	8653	17473	45.3	-33 27	5.01	A 0	—	4	X 10919, X 11876, X 12333,
4881	Hydra	—	9369	17494	46.6	-26 12	6.12	A 0	—	2	X 11621, X 12446
4882	Centaurus	—	5359	17493	46.6	-53 17	6.34	K 0	—	1	X 11142

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
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4885	Centaurus	—	5360	17502	12 47.3	—54 24	5.92	K 0	—	1	X 12399
..	Centaurus	—	5989	17505	47.4	—52 41	R	A	101	1	X 11142
..	Crux	—	4543	17507	47.7	—59 49	6.86	B 2	—	1	X 11556
4890	Crux	κ	4555	17518	47.9	—59 50	6.11	B 3	—	1	X 11556
..	Crux	—	4566	17523	48.0	—59 47	R	B 3	102	1	X 11556
..	Centaurus	—	7470	17563	49.6	—41 45	R	B 3	103	1	X 11883
4906	Centaurus	—	7975	17568	49.8	—42 22	5.55	Ma	—	3	X 11541, X 11612, X 11883
4907	Musca	—	1404	17565	49.8	—71 38	5.84	K 0	—	2	X 12318, X 12716
..	Centaurus	—	5397	17597	51.1	—54 3	6.67	A 0 p	37	1	X 12399
4913	Centaurus	H	7394	17608	51.3	—50 39	5.29	B 8	—	3	X 11131, X 11499, X 11936
..	Centaurus	—	4640	17674	54.4	—59 50	7.13	B 5	—	1	X 11556
4935	Virgo	—	3629	17763	58.4	—20 3	5.68	G 0	104	3	X 12521, C 17592, C 17733
..	Chamaeleon	—	887	17795	13 0.3	—77 55	6.60	A 0	—	1	X 12737
4941	Centaurus	—	7682	17822	0.9	—41 3	5.74	K 0	—	2	X 12376, B 3367
4947	Centaurus	—	8441	17835	1.4	—35 19	5.61	A 0	—	3	X 10928, X 12339, X 12409
4951	Centaurus	—	6194	17844	1.7	—52 55	5.96	B 9	—	4	X 11462, X 11549, X 11668,
4955	Virgo	49	3628	17864	2.7	—10 12	5.26	K 0	—	1	X 11679
..	Hydra	—	3513	17881	3.2	—22 34	6.76	K 0	—	1	X 11676
4958	Hydra	ψ 45	3515	17889	3.6	—22 35	5.11	K 0	—	1	X 11676
4961	Virgo	50	3636	17905	4.5	— 9 48	6.20	K 2	—	1	X 11679
..	Centaurus	—	6258	17910	4.9	—52 22	R	K 0	105	3	X 11179, X 11668, X 11940
4965	Centaurus	—	7329	17913	5.0	—52 2	6.29	A 0 p	37	2	X 11179, X 11462
4970	Centaurus	—	7648	17925	5.4	—41 42	5.82	F 5	—	1	X 11507
4973	Centaurus	—	8175	17929	5.6	—42 50	5.32	K 0	—	1	X 11249
4976	Chamaeleon	—	890	17922	6.0	—77 55	5.77	G 5	—	3	X 12515, X 12537, X 12737
4982	Centaurus	—	8196	17958	7.1	—42 10	6.12	K 0	—	1	X 11249
..	Centaurus	—	10156	17962	7.3	—31 20	6.66	G 5	—	2	X 10955, X 11873
4988	Centaurus	—	4738	17976	8.0	—58 9	5.96	K 0	—	2	B 4968, B 9422
4991	Centaurus	—	8213	17991	8.2	—42 37	6.14	K 0	—	1	X 11249
..	Centaurus	—	8220	17999	8.6	—42 19	R	K 0	106	1	X 11249
4996	Centaurus	—	8050	18002	8.9	—48 25	5.97	K 0	—	3	X 12314, X 12729, X 12740
..	Centaurus	—	5920	18037	10.2	—51 53	R	K 0	107	1	X 11179
5006	Centaurus	r	10457	18060	11.3	—30 59	5.36	K 0	—	2	X 10955, X 11873
5008	Centaurus	—	8165	18064	11.4	—43 27	5.87	A 3 p	108	2	X 11201, X 11249
..	Centaurus	—	8372	18096	12.6	—45 14	7.00	A 0	—	1	X 12534
5026	Centaurus	—	6405	18139	14.5	—52 13	5.70	B 3	—	1	X 11179
5029	Centaurus	—	8580	18150	15.1	—46 21	5.80	K 0	—	3	X 12351, X 12529, X 12534
..	Centaurus	—	7708	18169	15.9	—50 46	7.34	A 2	—	1	X 11232
5036	Centaurus	—	7465	18178	16.2	—51 40	6.10	B 0	—	1	X 11179
5039	Centaurus	—	8261	18198	17.1	—48 2	6.46	B 5	—	1	X 12740
..	Centaurus	—	7488	18229	18.3	—51 21	R	K 0	109	1	X 11232
..	Centaurus	—	7747	18234	18.5	—50 59	R	A 2	110	1	X 11232
5049	Musca	—	1838	18227	18.6	—70 6	5.84	A 0 p	37	3	X 11490, X 11533, X 11566
..	Centaurus	—	7504	18248	19.2	—51 22	R	A 2	111	1	X 11232
..	Centaurus	—	7765	18260	19.9	—50 58	R	A 3	112	1	X 11232
5060	Centaurus	—	7894	18290	21.1	—40 59	5.76	K 2	—	2	X 11242, X 11513
5071	Centaurus	K	7812	18332	23.3	—50 39	5.31	A 2	—	1	X 11232
5084	Octans	κ	384	18321	24.7	—85 16	5.65	A 2	—	3	X 11524, X 11537, X 11675
5097	Hydra	—	10128	18423	27.0	—28 11	5.67	A 0	—	1	X 11605
5098	Hydra	—	10127	18420	27.0	—29 3	6.44	F 5	—	1	X 11605

H.R.	Constellation.	Desig.	D.M.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
5099	Virgo	75	3739	18438	<i>h. m.</i> 13 27.5	<i>° ' "</i> -14 51	5.65	K 0	—	1	X 11664
5113	Centaurus	—	3841	18492	30.5	-61 11	5.59	F 5	—	1	X 12400
5118	Centaurus	—	8418	18502	31.2	-43 38	5.96	K 0	—	2	X 12307, X 12396
5119	Musca	—	1898	18498	31.2	-69 56	5.97	K 2	—	6	X 11490, X 11533, X 11557,
5125	Musca	—	1653	18526	32.3	-70 17	6.50	K 0	—	2	X 11573, X 11576
—	Hydra	—	10482	18546	32.8	-29 20	6.99	A 5	—	1	X 11597
5128	Hydra	—	10181	18554	33.1	-29 3	5.84	F 0	—	2	X 11597, X 11631
5130	Centaurus	—	2896	18549	33.2	-64 4	5.78	F 0	—	2	B 8229, B 13440
—	Musca	—	1498	18548	33.3	-71 22	R	Mb	113	1	X 11573
5135	Centaurus	—	8390	18567	33.9	-39 15	6.36	Mb	—	1	X 10960
5136	Centaurus	—	8392	18568	34.0	-39 33	5.72	K 0	—	1	X 10960
—	Centaurus	—	8458	18575	34.6	-43 50	6.78	A	—	1	X 12396
5140	Centaurus	—	5059	18586	35.3	-58 17	5.53	B 9	—	4	X 10938, X 11877, X 11887,
5141	Centaurus	Q	5725	18587	35.4	-54 3	5.40	B 9	114	2	X 11140, X 11271
5152	Centaurus	—	7983	18614	36.6	-50 17	6.29	K 0	—	3	X 11188, X 11948, X 11987
—	Centaurus	—	8480	18620	36.8	-43 42	7.22	B 8	—	1	X 12396
5155	Centaurus	—	8096	18623	37.0	-40 54	6.00	K 0	—	1	X 12345
—	Musca	—	1664	18619	37.2	-71 2	R	K 0	115	1	X 11576
5157	Centaurus	—	8089	18638	37.7	-41 34	6.10	B 8	—	1	X 12345
5166	Hydra	—	11057	18675	39.2	-25 0	6.25	K 0	—	1	X 11613
—	Musca	—	1670	18670	39.6	-70 44	6.86	B 9	—	2	X 11576, B 10816
—	Centaurus	—	5725	18688	39.8	-54 11	6.66	A 0	—	2	X 11140, X 11271
5167	Hydra	—	9972	18698	40.0	-25 37	5.78	A 0	—	1	X 11613
—	Centaurus	—	6740	18706	40.7	-52 47	R	K	116	1	X 11144
5174	Centaurus	z	8995	18718	41.1	-35 45	5.24	A 0	—	1	X 11265
—	Centaurus	—	8859	18758	42.9	-36 38	6.78	F 0	—	1	X 11265
5188	Chamaeleon	—	585	18722	42.9	-82 11	5.76	K 2	—	2	X 11550, X 12021
5189	Centaurus	—	9019	18761	43.1	-35 12	6.47	G 0	—	1	X 11265
5194	Circinus	—	2014	18774	44.0	-68 55	5.74	K 2	—	2	X 12358, X 12439
—	Centaurus	—	6787	18814	45.6	-52 19	7.72	R	—	—	—
5207	Centaurus	N	18817	18817	45.6	-52 19	5.56	B 8	117	2	X 11144, X 11165
5208	Centaurus	—	9054	18826	45.8	-35 57	6.52	G 0	—	2	X 11265, X 11999
5217	Centaurus	—	6805	18849	47.2	-52 53	6.06	B 5	—	2	X 11144, X 11165
5218	Circinus	—	2426	18847	47.2	-67 10	5.68	K 0	—	2	X 12322, X 12724
5222	Centaurus	y	9090	18863	47.7	-35 11	5.64	F 2	118	3	X 10920, X 11999, X 12034
—	Centaurus	—	5791	18862	47.8	-53 56	R	K	119	1	X 11165
5224	Centaurus	—	9223	18871	48.1	-34 50	6.27	K 0	—	3	X 10920, X 11999, X 12034
5230	Centaurus	—	7832	18887	48.8	-51 41	5.84	B 8	—	2	X 11005, X 11144
—	Centaurus	—	8126	18901	49.5	-50 10	7.04	K 0	—	1	X 11211
5234	Centaurus	—	5805	18904	49.7	-53 38	6.36	A 2	120	1	X 11165
5239	Centaurus	—	8815	18919	50.1	-46 6	5.88	K 0	—	2	X 12328, X 12447
5242	Circinus	—	2553	18931	51.0	-65 18	6.22	K 0	—	4	X 10947, X 11944, X 11962,
—	Centaurus	—	5812	18940	51.4	-53 13	R	K 0	121	1	X 11165
5251	Centaurus	—	8356	18973	52.9	-49 53	6.09	K 0	—	1	X 11211
5253	Circinus	—	2573	18980	53.4	-65 47	6.12	A 5	—	3	X 10947, X 11944, X 11962
5265	Hydra	—	10060	19046	56.7	-26 57	5.74	K 0	—	1	X 11640
5266	Centaurus	—	5846	19042	56.7	-55 44	5.91	K 0	—	1	X 12365
5293	Circinus	—	2012	19154	14 2.1	-69 50	6.04	K	—	2	X 10999, X 11976
5295	Circinus	—	2014	19164	2.8	-69 15	6.24	A 3	—	2	X 10999, X 11976
5303	Apus	η	706	19197	5.7	-80 32	4.97	A 2 p	122	4	X 11514, X 11525, X 11542,

H.R.	Constellation.	Desig.	DM.	A.G.C.	R.A. 1900.		Dec. 1900.		Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
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5308	Centaurus	—	5912	19242	14	6.6	—53	12	5.48	K 2	—	2	X 10941, X 11895
..	Circinus	—	2652	19239		6.8	—65	41	R	B 5	123	2	X 11180, X 11243
..	Circinus	—	2655	19243		6.9	—65	14	6.84	B 5	—	2	X 11180, X 11243
5312	Hydra	50	10158	19253		7.0	—26	47	5.25	K 0	—	1	X 11731
5314	Hydra	—	10163	19269		7.5	—26	8	6.28	K 0	—	1	X 11731
..	Centaurus	—	4431	19259		7.7	—61	14	6.52	Oe 5	124	1	X 11884
5318	Centaurus	—	8589	19283		8.5	—41	22	5.82	K	—	3	X 12371, X 12453, B 8407
5320	Circinus	—	2490	19280		8.7	—66	7	5.88	B 2	—	2	X 11180, X 11243
5336	Apus	ε	755	19289		10.3	—79	39	5.20	B 5	125	3	X 11514, X 11574, X 12085
5349	Centaurus	—	5294	19344		12.5	—60	48	5.28	A 3	—	2	X 11016, X 11884
5355	Virgo	—	3789	19362		13.1	—18	15	5.74	A 0 p	37	1	X 11677
5356	Hydra	—	10271	19366		13.3	—25	22	5.92	F 5	—	2	X 11649, B 36135
5362	Lupus	—	9235	19371		13.9	—42	36	5.71	G 5	126	2	X 12504, X 12510
..	Circinus	—	2519	19403		15.5	—66	11	6.70	A 2 p	127	3	X 11161, X 11180, X 11243
5376	Centaurus	—	9570	19435		16.3	—34	20	5.72	B 8	—	3	X 10929, X 11983, X 12029
5377	Lupus	—	8501	19437		16.7	—50	19	6.03	K 0	—	4	X 11132, X 11500, X 12046,
5379	Circinus	—	2574	19432		16.8	—67	44	5.71	A 2 p	78	2	X 11226, X 11560
5380	Lupus	—	7195	19444		17.0	—52	43	5.94	K 0	—	2	B 4981, B 5271
5382	Circinus	—	2718	19452		17.7	—65	43	6.42	A 2	—	3	X 11161, X 11180, X 11243
5389	Apus	—	826	19467		19.0	—76	17	5.95	K 0	—	2	X 12377, X 12391
5390	Libra	—	11469	19505		19.1	—24	21	5.39	K 0	—	2	X 11598, X 12391
..	Circinus	—	2538	19491		19.1	—66	7	6.56	A 2	—	3	X 11161, X 11180, X 11243
5391	Circinus	—	2732	19493		19.2	—65	22	5.76	K 5	—	2	X 11161, X 11180
5398	Centaurus	—	8757	19519		20.0	—41	52	6.37	K 0	—	1	X 12504
5408	Circinus	—	2595	19578		22.9	—67	16	5.76	K 0	—	2	X 11226, X 11560
..	Centaurus	—	8971	19633		25.0	—39	57	6.76	K 0	—	1	X 11156
5426	Lupus	—	6053	19674		26.5	—54	34	5.99	F 5	—	3	X 12385, X 12434, X 12532
..	Circinus	—	2603	19634		26.5	—67	11	R	B 3	128	1	X 11226
5427	Lupus	—	7301	19679		26.6	—52	14	5.88	K 0	—	2	X 12315, X 12717
5428	Centaurus	—	11519	19697		27.3	—30	17	6.11	K 0	—	2	X 11022, X 11508
..	Lupus	—	9262	19695		27.3	—46	2	R	G 5	129	1	X 11148
5431	Centaurus	—	8890	19710		27.8	—41	40	6.76	A 2	—	1	X 12319
..	Lupus	—	9276	19722		28.6	—46	2	R	B 9	130	2	X 11148, X 11520
5439	Centaurus	—	8794	19741		29.2	—41	5	5.82	B 8	—	3	X 12319, X 12706, X 12763
..	Lupus	—	9431	19740		29.2	—46	23	6.74	K 0	—	1	X 11148
5444	Lupus	—	9293	19746		29.7	—45	49	5.41	K 2	—	6	X 11027, X 11148, X 11491,
5446	Centaurus	—	9047	19760		30.2	—39	10	6.15	K 0	—	2	X 11156, X 12016
5449	Centaurus	—	9050	19768		30.5	—39	47	5.90	B 8	—	3	X 11156, X 12016, X 12079
5450	Lupus	a	9302	19773		30.8	—45	42	5.44	K 0	131	6	X 10900, X 11148, X 11491,
..	Lupus	—	9312	19802		31.6	—45	27	6.81	K 0	—	3	X 11148, X 11491, X 11584
5457	Lupus	—	9469	19823		32.6	—46	9	6.20	F 8	—	5	X 10900, X 11148, X 11491,
5461	Centaurus	—	6107	19835		33.3	—56	1	6.28	K 0	—	1	X 11153
..	Lupus	—	9337	19842		33.7	—45	22	6.69	A 0 p	37	5	X 10900, X 11148, X 11491,
..	Circinus	—	4257	19874		35.5	—62	32	R	B 3	132	2	X 11033, X 11971
..	Lupus	—	6130	19896		36.3	—54	25	R	A 3	133	1	X 11153
5482	Circinus	—	4275	19916		37.3	—62	26	5.34	A 5	—	3	X 11011, X 11033, X 11971
5488	Circinus	—	6150	19934		38.0	—55	10	6.24	B 3	134	2	X 11153, B 11707
..	Circinus	—	6152	19937		38.1	—55	10	7.68	K	—	—	—
5491	Octans	—	235	19776		39.0	—87	45	6.52	A 2	—	3	X 11250, X 11251, X 11534
..	Circinus	—	2865	19950		39.1	—65	45	R	B 3	135	2	X 11202, X 11275

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
	Circinus	—	2868	19957	^{h.} 14 ^{m.} 39.4	[°] -65 ['] 54	R	B 8	136	2	X 11202, X 11275
5494	Lupus	—	9562	19978	39.8	-47 1	5.89	A 0	—	2	X 12405, X 12712
5495	Lupus	b	8457	19985	40.0	-51 57	5.20	K 0	—	1	X 11045
	Apus	—	894	19955	40.0	-76 45	6.51	A 0 p	37	1	X 11966
5498	Lupus	—	8461	19988	40.2	-51 47	6.26	A	—	1	X 11045
	Circinus	—	2644	19976	40.2	-66 9	R	A 2	137	1	X 11275
5499	Libra	—	3844	20002	40.3	-22 43	5.91	K	—	2	B 3561, B 3693
5500	Circinus	—	2645	19980	40.3	-66 10	6.05	B 3	—	2	X 11202, X 11275
	Circinus	—	2648	19994	40.8	-66 48	R	K 0	138	1	X 11202
5508	Centaurus	—	9686	20012	40.9	-37 52	6.00	K 0	—	1	X 12334
	Circinus	—	2889	20017	41.7	-65 17	R	F 5	139	1	X 11275
	Circinus	—	2895	20032	42.1	-65 50	R	B 8	140	1	X 11275
5520	Apus	—	1604	20049	43.2	-72 46	5.62	G 5	—	1	X 11233
5521	Libra	—	11916	20080	43.6	-23 51	5.78	K 0	—	2	X 11606, X 11641
5523	Libra	μ 7	3986	20088	43.8	-13 44	5.38	A 2 p	141	1	X 11687
	Lupus	—	7558	20074	43.8	-52 57	6.78	A 0	—	1	X 11204
5525	Octans	π 1	629	20034	44.2	-82 49	5.60	K 0	—	3	X 12022, X 12346, X 12539
5527	Circinus	—	3436	20087	44.5	-63 23	5.78	Comp.	142	1	X 11239
	Circinus	—	2914	20112	45.7	-66 0	R	G 5	143	2	X 11202, X 11275
5539	Circinus	ζ	2918	20124	46.3	-65 35	6.16	B 3	—	2	X 11202, X 11275
5540	Apus	R	924	20115	46.5	-76 15	5.35	K 0	144	2	X 11538, X 11966
5543	Centaurus	—	9760	20132	46.6	-37 23	5.11	B 8	—	1	X 11189
	Centaurus	—	9766	20142	46.8	-37 50	6.62	A 0	—	2	X 11189, X 12334
5545	Octans	π 2	636	20104	47.3	-82 38	5.55	K 0	—	4	X 11517, X 12022, X 12346,
5546	Circinus	—	5753	20157	47.9	-59 42	5.24	K 0	—	2	X 11941, X 12101
5547	Apus	—	931	20149	48.4	-76 45	5.96	K 0	—	1	X 11966
5549	Centaurus	—	10457	20183	48.5	-32 53	5.94	K 0	—	3	X 12035, X 12702, X 12760
	Circinus	—	2678	20164	48.5	-66 28	R	K 0	145	2	X 11202, X 11275
	Circinus	—	4768	20172	48.7	-61 57	6.66	B 3	—	2	X 11239, X 11937
5551	Circinus	θ	4337	20174	48.7	-62 22	5.42	B 3	146	2	X 11239, X 11937
5554	Libra	ξ 13	3827	20193	49.0	-11 29	5.84	K 0	—	1	X 12044
5556	Lupus	c	7634	20189	49.2	-52 24	5.56	A 2	—	1	X 11204
5557	Octans	ω	490	20125	49.4	-84 23	5.90	A 0	—	3	X 11170, X 11693, X 12010
5558	Centaurus	—	10169	20203	49.6	-33 27	5.34	A 0	—	5	X 11039, X 11972, X 12035,
5559	Lupus	—	9543	20202	49.8	-47 28	5.78	B 9	147	3	X 11212, X 11949, X 12004
5564	Libra	ξ 2 15	3989	20249	51.3	-11 0	5.63	K 0	—	1	X 12044
5566	Lupus	—	9494	20240	51.3	-48 27	6.48	K 0	—	3	X 11212, X 11949, X 12004
5568	Libra	—	4125	20257	51.6	-20 58	5.76	K 5	148	2	X 11632, B 11106
	Lupus	—	9703	20251	51.7	-47 2	R	K 0	149	1	X 11212
	Lupus	—	9574	20266	52.2	-47 50	R	B 8	150	1	X 11212
	Lupus	—	9575	20270	52.3	-47 33	R	K 0	151	1	X 11212
	Lupus	—	9516	20271	52.3	-48 25	R	G 0	152	1	X 11212
	Circinus	—	3066	20273	52.7	-64 10	6.84	A 5	—	1	X 11227
5579	Centaurus	—	9836	20299	52.9	-37 29	6.49	B 8	—	1	X 12352
5582	Libra	18	3999	20318	53.5	-10 44	6.02	K 0	—	1	X 12044
5585	Centaurus	—	9863	20341	54.9	-37 40	5.98	K 2	—	2	X 12352, X 12530
5587	Centaurus	—	10244	20361	55.7	-33 58	6.38	A 3	—	1	X 12035
	Lupus	—	9634	20369	56.1	-47 33	R	K 0	153	1	X 11212
5593	Circinus	η	3493	20367	56.5	-63 38	5.22	G 5	—	2	X 11459, X 11910
5595	Lupus	—	10560	20392	56.8	-32 15	5.45	B 3	—	1	X 11272

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					^h ^{m.}	[°] [']					
5604	Lupus	—	9218	20390	14 56.8	-40 53	7.50	B 3	—	1	X 11266
5607	Lupus	—	9243	20429	58.2	-40 28	6.42	Mb	—	2	X 10961, X 11266
5611	Lupus	—	9257	20444	58.8	-40 41	5.28	K 0	—	2	X 10961, X 11266
5619	Circinus	—	3095	20447	59.4	-64 53	6.04	K 2	—	2	X 11227, X 11577
5621	Lupus	—	11960	20484	15 0.5	-30 32	6.01	A 0 p	37	2	X 11963, X 12047
5623	Triang. Aust.	—	2725	20470	0.6	-66 42	5.80	F 8 p	41	2	X 12397, X 12435
	Circinus	—	3518	20486	1.1	-63 16	6.38	A 0 p	154	2	X 11459, X 11910
	Libra	—	4028	20504	1.2	-16 6	6.63	A 0	—	1	X 11700
5624	Lupus	—	9305	20509	1.7	-40 12	6.01	A 0 p	155	2	X 10961, X 11266
5625	Lupus	—	10050	20513	2.0	-42 29	6.00	B 5	156	1	X 11172
5632	Circinus	—	5656	20521	2.7	-61 3	6.43	G 5	—	1	X 12340
5637	Lupus	—	6367	20543	3.8	-54 58	5.56	G 5	—	1	X 11166
	Lupus	—	9677	20555	4.1	-43 21	R	G	157	1	X 11172
5641	Libra	—	10758	20562	4.4	-25 57	5.94	K 0	—	1	X 11614
5644	Triang. Aust.	—	2267	20554	4.8	-69 42	var.	N	158	1	X 11214
	Apus	—	1985	20568	5.6	-70 9	6.98	K 0	—	1	X 11214
	Circinus	—	5680	20580	5.9	-60 58	6.54	B 3	—	1	X 12340
	Triang. Aust.	—	2281	20579	6.3	-70 2	6.68	F 0	—	1	X 11214
5658	Libra	—	10801	20639	8.0	-25 49	6.05	K 0	—	1	X 11614
5660	Lupus	i 1	11813	20651	8.5	-31 9	4.95	F 0	—	4	X 10921, X 11916, X 11977,
5663	Lupus	—	9824	20655	8.9	-47 42	6.19	A 2	—	2	X 12323, X 12579
	Lupus	—	9830	20663	9.3	-47 41	R	A 2	159	1	X 12323
5667	Lupus	—	9682	20672	9.5	-41 8	5.20	Comp.	160	5	X 10901, X 11464, X 11492,
5678	Libra	—	4065	20700	10.5	-22 2	5.71	K 2	—	1	X 11623
5684	Triang. Aust.	—	2836	20703	11.5	-67 7	6.48	B 5	—	1	X 12435
5688	Lupus	—	12117	20734	12.5	-30 51	6.32	K 0	—	1	X 11916
	Lupus	—	9904	20756	14.1	-47 24	R	F 5	161	2	X 12323, X 12579
5713	Triang. Aust.	—	2864	20811	16.8	-67 58	5.96	K	—	2	B 21677, B 38831
5725	Triang. Aust.	—	3178	20849	18.8	-64 11	5.72	K 5	—	1	X 12378
5729	Octans	p	510	20818	20.2	-84 8	5.66	A 2	—	3	X 11170, X 11693, X 12010
5743	Libra	32	4089	20960	22.6	-16 22	5.92	K 0	—	1	X 11678
	Libra	—	4093	20987	23.9	-17 5	7.23	F 0 p	162	1	X 11782
5750	Libra	34	4099	21014	25.0	-16 16	5.86	K 0	—	2	X 11678, X 11782
5751	Lupus	—	10425	21022	25.5	-38 16	6.34	A 3	—	1	X 11551
5756	Libra	—	4128	21034	25.9	-19 49	6.10	A 5	—	1	X 11682
5766	Triang. Aust.	—	3100	21045	27.3	-65 16	6.52	F 0	—	2	X 10948, X 12725
5767	Lupus	—	9970	21064	27.4	-39 43	5.94	Ma	—	1	X 11551
5798	Norma	—	9324	21150	31.3	-52 2	5.48	A	—	2	X 11145, X 11888
5806	Libra	—	3989	21176	32.0	-22 49	5.82	K 0	—	4	X 12366, X 12766, C 17679,
5807	Lupus	—	10536	21177	32.1	-38 48	6.02	A 3	—	3	X 11509, X 11526, X 11551
5810	Libra	—	4285	21187	32.4	-20 41	5.94	K 0	—	3	X 12538, X 12738, C 17698
	Libra	—	4165	21192	32.6	-19 35	6.78	F 2	—	1	X 12738
5824	Libra	42	12458	21234	34.3	-23 30	5.06	K 0	—	1	X 11722
	Lupus	—	10091	21232	34.4	-39 39	6.66	F	163	2	X 11509, X 11526
5837	Lupus	h	10441	21269	36.1	-37 6	5.31	K 0	—	1	X 11028
	Norma	T	6651		36.4	-54 40	var.	Md	164	1	X 11501
5851	Triang. Aust.	—	3139	21319	38.7	-65 8	6.48	A 5	165	3	X 10948, X 11244, X 12725
5852	Triang. Aust.	—			38.7	-65 8	6.52				
	Norma	—	6332	21353	40.6	-60 4	6.74	F 0	—	2	X 11205, X 11221
5865	Norma	—	8912	21375	41.4	-52 8	6.04	K 0	—	1	X 11181

H.R.	Constellation.	Design.	D.M.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h.</i> <i>m.</i>	<i>°</i> <i>'</i>					
5869	Norma	—	8944	21399	15 42.5	−52 54	5.96	B 8	—	1	X 12329
5872	Norma	—	10251	21426	43.2	−45 6	6.21	A 5	—	1	X 11190
5873	Norma	—	6711	21421	43.3	−54 45	5.84	B 5	—	2	X 11133, X 11501
5876	Triang. Aust.	—	3286	21428	43.8	−64 51	6.58	A 3	—	3	X 10948, X 11244, X 11521
..	Norma	—	10462	21470	45.2	−44 59	6.73	K 0	—	1	X 11190
5891	Triang. Aust.	κ	2585	21460	45.6	−68 19	5.20	K 0	—	2	X 11017, X 11203
5898	Triang. Aust.	—	6191	21487	46.4	−60 27	6.34	B 8	166	1	X 11205
..	Octans	—	593	21419	47.0	−83 57	7.70	A 2	—	1	X 11240
5900	Norma	—	6428	21499	47.2	−59 53	6.04	A 3	167	2	X 11205, X 11221
5905	Triang. Aust.	—	6208	21509	47.7	−60 11	5.96	A 2	—	2	X 11205, X 11221
5906	Scorpius	—	12354	21529	47.9	−24 15	5.44	B 5	—	2	X 11607, X 11732
5907	Scorpius	—	12569	21530	48.0	−23 41	5.36	B 3	—	2	X 11607, X 11732
5910	Scorpius	—	11096	21540	48.4	−27 3	6.01	B 5	—	1	X 11723
5912	Scorpius	3	12365	21546	48.7	−24 57	5.93	B 8	—	3	X 11607, X 11732, X 11740
..	Apus	—	1894	21542	49.7	−72 11	6.60	K	—	1	X 11157
5920	Triang. Aust.	—	3320	21552	49.8	−64 45	5.88	B 8	—	3	X 10952, X 11244, X 11521
5927	Libra	—	4290	21594	50.6	−14 6	6.39	F 5	—	1	X 11666
..	Lupus	—	10607	21588	50.6	−35 38	7.03	A 2	—	2	X 12372, X 12741
5929	Lupus	—	10611	21595	50.8	−35 53	5.95	Comp.	168	3	X 12372, X 12585, X 12741
5934	Scorpius	—	4364	21621	51.9	−20 41	5.87	B 5	—	1	X 11688
..	Scorpius	—	12597	21622	51.9	−23 14	6.68	B 9	—	2	X 11732, B 35928
5955	Apus	—	1902	21663	54.7	−72 7	5.71	K 0	—	3	X 10995, X 11034, X 11157
..	Triang. Aust.	—	6348	21688	55.2	−60 13	6.97	B 3	169	2	X 11205, X 11221
5969	Scorpius	—	11295	21748	57.3	−25 36	5.10	K 0	—	3	X 12386, C 17670, C 17734
5979	Norma	—	7079	21784	59.4	−55 55	6.28	F 0	—	1	X 11213
5988	Scorpius	—	12700	21816	16 0.2	−23 20	5.94	B 8	—	4	X 12582, X 12774, C 17674,
..	Norma	—	7114	21831	1.2	−55 47	6.55	K 2	—	1	X 11213
..	Norma	—	7345	21844	1.7	−56 11	R	K 2	170	1	X 11213
5998	Scorpius	—	12552	21856	1.9	−24 11	6.22	B 8	—	4	X 11701, X 12582, X 12774,
6001	Scorpius	—	11369	21860	2.0	−26 3	5.64	Ma	—	1	X 11724
..	Norma	—	7159	21861	2.6	−55 5	7.83	B 3	—	2	X 11162, X 11213
6003	Scorpius	—	12731	21871	2.8	−23 25	5.79	B 9	—	5	X 11701, X 12582, X 12774,
..	Norma	—	7162	21867	2.8	−55 48	R	B 5	171	1	X 11213
6006	Scorpius	—	11456	21875	3.2	−32 23	6.76	G 5	172	1	X 12030
..	Scorpius	—	11456	21876	3.2	−32 23	7.46				
6007	Scorpius	—	10961	21887	3.5	−33 17	5.58	B 8	—	3	X 11023, X 12030, X 12080
..	Scorpius	—	11240	21901	4.1	−26 39	6.66	B 9	—	1	X 11724
..	Norma	—	7185	21894	4.1	−54 5	R	B 9	173	3	X 11162, X 11273, X 11315
..	Scorpius	—	12577	21902	4.2	−24 19	6.58	A 0	—	1	X 11701
6017	Scorpius	—	12343	21913	4.8	−29 9	5.16	K 0	—	2	X 11650, C 17729
..	Norma	—	7226	21912	5.2	−54 6	R	A 3	174	2	X 11162, X 11315
6019	Norma	—	7229	21918	5.4	−55 17	5.96	F 0	—	3	X 11154, X 11162, X 11213
6022	Norma	—	7413	21919	5.5	−53 25	5.98	Ma	—	2	X 11273, X 11315
6024	Norma	κ	7245	21921	5.6	−54 22	5.09	K 0	—	5	X 11154, X 11162, X 11213,
6029	Scorpius	c ¹ 12	11962	21948	6.1	−28 9	5.70	B 9	—	4	X 12353, X 12441, C 17680,
6037	Triang. Aust.	—	3054	21951	7.1	−67 41	6.18	A 3	—	2	X 11234, X 11669
6040	Norma	—	7716	21967	7.6	−57 39	5.86	A 2	—	2	X 11215, X 12096
6044	Scorpius	—	11525	21983	8.0	−32 45	6.07	K 0	—	1	X 12080
6045	Norma	θ	10611	21974	8.0	−47 7	5.36	B 8	—	3	X 11149, X 11896, X 11958
6049	Norma	—	11132	21991	8.4	−42 39	6.16	K 0	—	3	X 11173, X 11267, X 11276

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
6055	Norma	—	7594	21995	^{h.} 16 ^{m.} 8.8	—53 34	5.43	Mb	—	2	X 11273, X 11315
..	Norma	—	11144	22006	9.1	—42 53	R	K 0	175	1	X 11276
..	Norma	—	7607	22003	9.1	—53 27	R	K 0	176	2	X 11273, X 11315
6059	Norma	—	9469	22013	9.6	—52 50	6.44	A 5	177	2	X 11273, X 11315
..	Norma	—	7650	22021	10.0	—53 18	R	B 3	178	1	X 11315
6062	Norma	S	7821	22031	10.6	—57 39	var.	G 0 p	179	1	X 12096
..	Norma	—	7454	22053	11.4	—54 16	R	G	180	2	X 11154, X 11315
..	Scorpius	—	10893	22077	12.0	—27 48	6.84	A 0	—	1	X 11615
6071	Norma	λ	11188	22082	12.3	—42 26	5.62	A 2	181	4	X 11173, X 11267, X 11276,
6073	Norma	—	7493	22074	12.4	—54 54	5.91	K 0	—	2	X 11154, X 11213
..	Norma	—	7520	22095	13.0	—54 40	R	A 3	182	1	X 11154
6077	Scorpius	—	13041	22108	13.2	—30 40	5.42	F 2	—	4	X 10902, X 10903, X 12059,
..	Norma	—	7462	22119	13.9	—55 19	7.09	A 2	—	1	X 11154
..	Norma	—	10677	22126	14.1	—47 57	6.68	B 8	—	3	X 10990, X 12005, X 12092
6085	Norma	—	10724	22159	15.5	—43 41	6.00	G 5	—	3	X 12401, X 12448, X 12511
..	Norma	—	7498	22164	16.0	—55 13	7.99	B 5	—	1	X 11154
..	Norma	—	7632	22172	16.4	—54 30	R	B 3	183	1	X 11154
6094	Scorpius	—	10983	22194	17.3	—38 58	5.40	G	—	2	X 10912, X 11898
6100	Scorpius	—	10778	22208	17.9	—37 20	5.43	B 8	—	2	X 12324, X 12454
6105	Scorpius	—	12513	22221	18.4	—29 28	6.59	G	184	4	X 12540, X 12584, X 12707,
6106	Scorpius	—	12513	22222	18.4	—29 29	5.94	G	—	—	—
6109	Triang. Aust.	ι	3923	22212	18.7	—63 50	5.30	F 0	—	3	X 12106, X 12115, X 12341
..	Ophiuchus	—	12860	22239	19.4	—23 14	6.56	B 3	185	1	X 11733
6114	Norma	—	6800	22236	19.8	—58 23	5.78	B 9	—	2	X 11544, X 11917
6120	Norma	—	8035	22268	21.4	—57 32	5.99	G 5	—	1	X 11544
6122	Scorpius	—	10783	22285	21.6	—36 58	5.87	K 0	—	4	X 12398, X 12454, X 12517,
6125	Triang. Aust.	—	5701	22277	21.9	—61 25	5.11	K 0	—	1	X 11586
..	Scorpius	—	11513	22296	22.1	—25 14	6.85	A 2 p	72	1	X 12718
..	Triang. Aust.	—	3507	22287	22.3	—64 16	6.60	B 8	—	1	X 12106
6139	Octans	—	333	22180	23.6	—86 11	6.13	A	—	1	X 11518
..	Triang. Aust.	—	5720	22326	24.6	—61 55	R	K 0	186	1	X 11586
6142	Scorpius	—	10695	22340	24.7	—41 36	5.47	B 1 p	187	1	X 11321
..	Triang. Aust.	—	3324	22329	25.0	—65 48	R	B 3	188	1	X 11228
..	Triang. Aust.	—	5378	22344	25.3	—62 3	7.18	F	—	1	X 11586
6151	Triang. Aust.	θ	3331	22354	26.1	—65 17	5.38	K 0	—	1	X 11228
..	Triang. Aust.	—	2980	22364	26.6	—66 47	6.95	A 0	—	1	X 11562
6155	Norma	μ	10900	22390	27.0	—43 50	5.15	B p	189	1	X 11256
6164	Norma	—	11399	22441	29.4	—42 39	5.58	B 1	—	2	X 11256, B 4884
6167	Ara	—	6594	22448	30.0	—60 47	6.24	B 5	—	1	X 11993
6172	Triang. Aust.	η ¹	2789	22459	31.1	—68 6	6.04	B 5	—	1	X 12102
6174	Norma	—	10959	22476	31.4	—43 12	6.14	B 3	—	1	X 11256
6177	Ara	—	6603	22482	32.1	—60 15	6.24	F 8	—	3	X 11984, X 11993, X 12713
6178	Scorpius	—	10879	22503	32.4	—37 1	6.10	A 0	—	1	X 10957
6182	Triang. Aust.	—	3196	22504	33.2	—67 14	6.32	A 0	—	1	X 11562
..	Ara	—	11070	22533	33.9	—48 34	7.12	Oe 5	190	3	X 11502, X 11527, X 11578
6187	Ara	—	11070	22534	33.9	—48 34	5.90	—	—	—	—
6188	Ara	—	10890	22540	34.1	—49 27	5.91	B 1 p	191	3	X 11502, X 11527, X 11578
6190	Ophiuchus	—	4537	22562	34.7	—20 13	6.46	K 0	—	1	X 11708
6192	Scorpius	—	11913	22570	35.3	—32 57	5.94	G 0	—	1	X 12522
..	Triang. Aust.	—	3202	22561	35.7	—67 34	R	A 2	192	2	X 11562, X 12102

H.R.	Constellation.	Desig.	D.M.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
6204	Triang. Aust.	—	3009	22582	<i>h. m. ° ' "</i> 16 36.6	−66 55	5.30	A 0 p	37	1	X 11562
..	Triang. Aust.	η^2	3204	22577	36.6	−67 55	6.60	A 0	—	2	X 11562, X 12102
6206	Scorpius	—	10649	22601	36.8	−40 56	6.29	A 3	—	1	X 11277
6207	Ara	—	10161	22598	36.8	−52 58	5.97	K 0	—	1	X 12505
6209	Scorpius	—	10653	22602	36.9	−40 55	6.17	B 8	—	1	X 11277
6211	Scorpius	—	13161	22610	37.2	−31 55	6.55	B 9	—	1	X 12522
6214	Scorpius	—	10661	22615	37.8	−40 39	5.68	B 3	—	1	X 11277
..	Scorpius	—	10635	22618	37.9	−39 12	7.21	K 0	—	1	X 11552
6218	Scorpius	—	12358	22634	38.8	−28 19	5.96	A 2	—	1	X 11702
..	Scorpius	—	10856	22649	39.5	−41 26	R	B 1	193	1	X 11277
6221	Scorpius	—	10677	22658	40.0	−39 12	5.52	K 0	—	2	X 10962, X 11552
..	Scorpius	—	10684	22663	40.2	−39 21	6.90	B 9	—	2	X 10962, X 11552
6231	Triang. Aust.	—	3232	22684	42.0	−67 31	6.35	K 0	—	1	X 11562
6233	Triang. Aust.	—	3365	22686	42.2	−65 12	6.30	B 8	—	2	X 11206, X 12017
..	Ara	—	8149	22723	43.7	−57 25	7.29	B 9	—	1	X 12526
6251	Ara	—	8157	22760	45.5	−57 45	5.95	K 5	—	1	X 12526
6257	Norma	—	11627	22803	46.6	−42 53	5.67	Ma	—	1	X 12347
6266	Scorpius	—	11642	22829	47.4	−42 19	5.78	F 0	—	1	X 12347
6269	Ophiuchus	—	4572	22837	47.5	−20 15	5.91	G 5	—	3	X 12583, X 12601, X 12739
..	Scorpius	—	11546	22846	47.9	−33 19	6.94	A	—	1	X 11182
..	Scorpius	—	11068	22845	48.1	−41 56	R	B 0	194	1	X 12347
6274	Ara	—	10905	22854	48.4	−50 31	6.57	B 3	195	2	X 11167, X 11592
..	Ara	—	3377	22839	48.5	−65 3	6.60	A 3 p	108	2	X 11206, X 12017
6288	Scorpius	27	11590	22931	50.6	−33 6	5.51	K 5	—	1	X 11182
6289	Ara	—	10924	22923	50.6	−50 29	5.70	B 9	—	3	X 11167, X 11592, X 12023
6291	Ophiuchus	24	4249	22935	50.8	−22 59	5.60	A 0	196	2	X 12501, C 17710
6294	Ophiuchus	—	4471	22944	51.2	−19 22	6.14	B 8	—	2	X 12583, X 12739
..	Scorpius	—	11607	22956	51.8	−33 27	R	F 5	197	1	X 11182
6298	Scorpius	—	11131	22962	52.1	−37 27	6.24	A 3	198	1	X 11191
..	Ara	—	8215	22952	52.1	−57 8	R	G 5	199	1	X 11146
6308	Ophiuchus	—	12997	23004	53.8	−24 56	5.92	Ma	—	1	X 11651
6310	Ophiuchus	26	13002	23009	54.0	−24 50	5.78	F 0	—	1	X 11651
6312	Ara	—	10955	23000	54.0	−50 58	6.57	A 3	—	1	X 11167
6316	Scorpius	—	13473	23035	55.4	−32 0	5.06	B 8	—	3	X 11029, X 11967, X 12072
6320	Ara	—	8265	23034	55.9	−57 34	5.88	B 3	—	2	X 11146, X 12526
..	Scorpius	—	13502	23069	56.8	−31 28	6.88	B 2	—	1	X 12072
6327	Scorpius	—	11201	23072	57.0	−38 0	5.98	F 0	—	1	X 11191
..	Scorpius	—	11206	23073	57.2	−37 42	6.73	Od	200	1	X 11191
..	Ophiuchus	—	11924	23106	58.5	−25 30	6.76	A 5	—	1	X 11651
6340	Ophiuchus	—	4627	23115	58.9	−20 21	6.17	B 3	—	1	X 12757
6344	Scorpius	—	11274	23126	59.6	−37 5	6.14	A 2	—	1	X 11191
6353	Ophiuchus	—	3224	23153	17 0.4	−0 45	5.62	B 3	—	1	X 12143
6357	Apus	—	2361	23137	1.0	−70 35	6.28	K 0	—	1	X 11257
6366	Scorpius	—	13840	23189	2.4	−30 16	5.82	A 3	—	3	X 10907, X 11978, X 12001
6368	Ara	—	3296	23180	3.1	−67 4	5.94	K 0	—	1	X 12373
6374	Ara	—	11492	23215	4.0	−48 45	5.95	Ma	—	3	X 12411, X 12436, X 12536
6381	Scorpius	—	11182	23257	5.3	−39 23	5.65	A 0	201	2	X 10968, X 11484
6382	Scorpius	—	11632	23261	5.4	−38 42	6.45	K 0	—	1	X 11484
6389	Scorpius	—	12460	23285	6.5	−32 19	6.00	B 3	—	1	X 11001
..	Ophiuchus	—	12012	23324	8.0	−26 52	6.88	F 0	—	1	X 11600

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.		Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h.</i>	<i>m.</i>	<i>°</i>					
6397	Scorpius	—	11875	23337	17	8.7	—33 26	5.50	B 3	202	2	X 11001, X 11007
6400	Apus	—	2715	23323		9.1	—69 56	6.61	G 0	—	1	X 11257
6403	Scorpius	—	13968	23356		9.5	—30 6	6.21	A 0	—	2	X 11171, X 11529
...	Ara	—	5518	23339		9.5	—62 46	R	K 0	203	1	X 11545
6405	Scorpius	—	11426	23358		9.7	—35 38	6.18	F 8	—	6	X 11174, X 11245, X 11268,
...	Ophiuchus	—	12036	23370		10.1	—26 23	6.66	K 2	—	1	X 11600
6409	Scorpius	—	12545	23377		10.5	—32 33	5.55	F 5	—	2	X 11001, X 11007
...	Scorpius	—	13996	23390		11.0	—30 3	6.93	G 5	204	1	X 11529
6411	Apus	ι	2719	23362		11.0	—70 1	5.60	B 8	—	2	X 10996, X 11257
...	Apus	—	2371	23369		11.3	—70 20	7.20	K 0	—	1	X 11257
6416	Ara	—	11370	23397		11.5	—46 32	5.58	K 0	205	2	X 11235, X 11252
6424	Ophiuchus	ο 39	13255	23419		11.9	—24 11	5.39	K 0	206	1	X 11625
6425	Ophiuchus	—	13297	23423		12.0	—23 58	6.70	G 5	—	1	X 11625
...	Ophiuchus	—	11626	23422		12.1	—34 53	5.89	K 2	207	4	X 11174, X 11245, X 11268,
6426	Scorpius	—	11392	23416		12.1	—45 32	7.22	Oa	208	1	X 11252
...	Ara	—	828	23360		12.8	—80 46	5.93	Mb	—	1	X 11261
6429	Apus	—	11403	23432		13.2	—45 57	R	B 1	209	1	X 11158
...	Ara	—	8478	23448		14.3	—57 55	5.94	K 0	—	2	X 12367, B 3901
6438	Ara	—	5558	23455		14.6	—62 46	5.88	B 3	—	4	X 11018, X 11545, X 12726,
6440	Ara	—	12090	23483		15.3	—26 24	R	K 0	210	1	X 11600
...	Ophiuchus	—	13288	23490		15.5	—24 49	6.62	K 0	—	1	X 11625
...	Ophiuchus	—	11484	23486		15.8	—47 23	5.50	B 3	211	2	X 11235, X 11252
6451	Ara	ι	11505	23497		15.9	—35 49	6.32	G 0	—	3	X 11174, X 11268, X 12081
6454	Scorpius	—	13081	23530		17.0	—28 2	5.43	K 2	—	2	X 11608, X 11616
6459	Ophiuchus	43	11680	23532		17.4	—44 55	6.82	F	—	1	X 11158
...	Scorpius	—	11478	23533		17.4	—46 7	R	B 5	212	1	X 11158
...	Ara	—	11269	23549		18.2	—50 33	5.24	K 0	—	2	X 11035, X 12734
6468	Ara	κ	5590	23554		18.6	—62 57	6.36	B 9	—	3	X 11018, X 11545, X 12742
6471	Ara	—	10881	23574		19.0	—51 52	6.46	B 8	—	1	X 12442
6475	Ara	—	11531	23591		19.4	—45 46	5.55	B 9	213	1	X 11158
6477	Ara	—	11283	23584		19.4	—50 33	6.06	B 9	—	2	X 11035, X 12734
6478	Ara	—	11549	23593		19.6	—47 3	7.04	B 3	—	1	X 11235
...	Ara	—	10662	23597		20.0	—52 13	5.77	K 0	—	2	X 12359, X 12442
6483	Ara	—	11530	23611		20.5	—46 57	R	B 2	214	1	X 11235
...	Ara	—	11557	23643		22.0	—46 36	7.83	B 5	—	1	X 11158
...	Ara	—	11626	23706		24.4	—45 57	6.31	G 0	—	1	X 11158
6513	Ara	—	3300	23743		25.2	— 0 58	5.34	G 5	215	1	X 12152
6516	Ophiuchus	—	8387	23741		26.0	—54 49	6.78	G 5	—	1	X 11494
...	Ara	—	12883	23769		26.5	—32 59	7.08	B 3	—	2	X 11216, X 12011
...	Scorpius	—	4461	23814		28.1	— 5 40	5.69	A 2	—	1	X 12149
6534	Ophiuchus	—	12935	23811		28.1	—32 31	5.71	Oe 5	216	3	X 11216, X 11587, X 12011
6535	Scorpius	—	4411	23837		29.2	—11 10	5.56	B 8	—	1	X 12118
6544	Serpens	—	8403	23838		29.9	—54 26	5.31	A 3	—	2	X 11013, X 11494
6549	Ara	π	12327	23859		31.0	—42 49	5.96	B 9	—	1	X 12402
6558	Scorpius	—	4528	23897		32.6	—10 52	5.92	K 0	—	1	X 12118
6568	Serpens	—	13072	23905		33.1	—32 16	7.03	B 5	—	1	X 12011
...	Scorpius	—	11804	23982		36.1	—36 54	5.58	K 2	—	3	X 10980, X 10985, X 12031
6583	Scorpius	—	11094	23974		36.2	—51 47	5.26	G 5	—	1	X 11134
6585	Ara	μ	7137	24028		38.1	—59 57	6.71	A 5	—	1	X 11196
...	Pavo	—										

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.	
					<i>h.</i>	<i>m.</i>	<i>s.</i>					
	Pavo	—	6933	24034	17	38.2	—60 13	7.26	F 0	—	1	X 11196
6613	Scorpius	—	12189	24097		40.2	—38 5	6.24	B 9	—	1	X 12031
	Scorpius	—	12201	24130		41.6	—38 6	6.84	B 1	—	1	X 12031
6622	Ara	—	8799	24147		42.3	—53 35	5.90	B 3	—	2	X 11150, X 11579
6624	Pavo	—	6950	24148		42.5	—60 8	5.77	K 0	—	1	X 11196
6632	Ara	—	8812	24170		43.1	—53 6	6.40	A 0	—	2	X 11150, X 11579
	Ara	—	8814	24175		43.2	—53 49	R	A 3	217	1	X 11150
6635	Apus	—	1226	24135		43.5	—76 10	6.11	K 2	—	1	X 11354
6647	Scorpius	—	12165	24240		45.6	—34 47	5.97	B 8	—	2	X 12379, X 12393
6648	Scorpius	—	12170	24242		45.7	—34 24	5.84	K 0	—	2	X 12379, X 12393
6658	Scorpius	—	12203	24266		46.7	—34 52	5.68	K 0	218	2	X 12379, X 12393
	Scorpius	—	13517	24327		49.7	—32 27	6.62	Cont.	219	1	X 10991
	Scorpius	—	13529	24340		50.2	—32 40	6.60	B 9	—	2	X 10991, X 12006
6680	Sagittarius	—	13878	24344		50.4	—28 3	5.76	A 3	—	1	X 11725
6686	Ophiuchus	—	4376	24382		51.5	— 4 4	5.60	K 0	—	2	X 12069, X 12107
6691	Sagittarius	—	12060	24388		52.1	—36 51	5.78	G 5	—	1	X 12387
6692	Sagittarius	—	13936	24395		52.3	—28 45	5.95	B 5	—	1	X 11725
6693	Sagittarius	—		24407		52.7	—30 14	5.27				
6694	Sagittarius	—	15035	24408		52.7	—30 14	7.00	K 5	220	4	X 11024, X 11041, X 11183,
	Apus	—	1881	24374		53.2	—74 0	R	A 0	221	1	X 11155
	Sagittarius	—	13736	24449		54.1	—24 17	6.72	K 0	—	1	X 11656
	Sagittarius	—	14322	24446		54.1	—29 49	7.28	B 2	—	1	X 11183
6706	Ophiuchus	—	4384	24460		54.3	— 4 48	5.98	K 0	—	2	X 12069, X 12107
	Sagittarius	—	4500	24491		55.6	—22 8	R	B 0	222	1	X 11709
6721	Octans	χ	274	24176		56.1	—87 40	5.22	K 0	—	1	X 11528
	Sagittarius	—	13804	24509		56.3	—23 1	6.91	Oe 5	223	2	X 11656, X 11709
6727	Sagittarius	—	4516	24528		57.0	—22 43	6.57	B 0	—	1	X 11709
6731	Apus	—	1410	24483		57.3	—75 53	5.69	K 5	—	1	X 11354
	Sagittarius	—	13816	24553		57.8	—24 19	R	B 0	224	1	X 11734
	Sagittarius	—	4533	24554		57.9	—22 50	6.86	B 0	—	1	X 11709
6739	Sagittarius	—	12229	24557		58.1	—35 54	5.82	K 0	—	3	X 12523, X 12586, X 12593
	Sagittarius	—	4541	24566		58.2	—22 30	R	B 0	225	2	X 11709, X 12440
	Sagittarius	—	13853	24584		58.8	—24 41	7.60	B 0	—	1	X 11734
	Sagittarius	—	13864	24587		59.0	—24 24	6.79	Oe 5	—	3	X 11609, X 11656, X 11734
6748	Sagittarius	—	12214	24601		59.6	—36 2	5.92	G 5	—	4	X 12440, X 12523, X 12586,
6749	Corona Aust.	—				59.6	—43 26	5.77				
6750	Corona Aust.	—	12272	24598		59.6	—43 26	5.77	A 3	—	2	X 11047, X 11325
6751	Apus	—	1888	24570		59.9	—73 41	5.92	F 5	—	2	X 11155, X 11503
6761	Pavo	ι	5797	24618	18	1.1	—62 1	5.48	G 0	—	1	X 11163
6780	Sagittarius	—	15316	24708		3.6	—30 45	5.58	K 0	—	2	X 12060, X 12449
6786	Corona Aust.	—	12491	24713		4.0	—41 23	5.90	A 5	—	2	X 11192, X 11279
6801	Sagittarius	1	14047	24755		5.6	—23 43	5.13	K 0	—	1	X 11626
6804	Corona Aust.	—	12534	24763		6.2	—41 22	5.52	B 3	—	2	X 11192, X 11279
	Sagittarius	—	15265	24789		7.1	—32 0	6.64	B 8	—	1	X 12060
	Telescopium	—	8693	24791		7.6	—56 41	R	K 0	226	1	X 11207
6816	Sagittarius	14	4916	24817		8.3	—21 45	5.73	K 0	—	1	X 11652
6819	Telescopium	—	8706	24816		8.7	—56 14	5.54	B 5	—	2	X 11207, X 11994
	Sagittarius	—	4928			9.4	—19 1	R	B 0	227	1	X 11776
6829	Octans	ψ	1417	24821		10.2	—75 5	5.61	A 0	—	1	X 11553
6837	Octans	—	849	24819		11.3	—80 17	5.92	K 0	—	3	X 12455, X 12577, B 17449

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h. m.</i>	<i>° ' "</i>					
6838	Sagittarius	—	5112	24909	18 11.4	—17 24	5.98	K 5	—	1	X 11695
6841	Sagittarius	—	4886	24916	11.6	—18 30	6.37	Oe 5	—	1	X 11695
..	Sagittarius	—	4953	24920	11.8	—19 42	7.59	B 2	—	1	X 11776
..	Telescopium	—	8735	24906	11.9	—56 16	R	K 0	228	1	X 11207
..	Sagittarius	—	4888	24927	12.0	—18 51	6.57	B 5	—	1	X 11776
6848	Sagittarius	—	4896	24942	12.7	—18 39	6.38	B 0	—	2	X 11695, X 11776
..	Sagittarius	—	4900	..	12.9	—18 13	R	B 2	229	1	X 11695
..	Corona Aust.	—	12466	24968	13.8	—43 50	R	A 3 p	230	1	X 11246
..	Corona Aust.	—	12497	24979	14.3	—39 4	6.70	B 9	—	1	X 10963
..	Sagittarius	—	15572	24991	14.8	—31 0	6.98	B 9	—	1	X 10958
6862	Coorna Aust.	—	12729	25003	15.4	—38 43	5.14	K 0	—	2	X 10963, X 11168
..	Corona Aust.	—	12749	25034	16.7	—38 55	R	K 0	231	1	X 11168
..	Pavo	—	9022	25026	16.7	—57 9	7.01	F 5	—	1	X 12073
6875	Corona Aust.	—	12569	25040	17.0	—44 9	5.42	B 3	—	1	X 11246
6881	Scutum	—	5024	25069	17.6	—12 3	5.73	B 8	—	1	X 11801
6888	Sagittarius	18	15661	25086	18.6	—30 49	5.66	K 0	—	1	X 10958
6894	Telescopium	—	12505	25095	19.3	—48 10	5.48	G 5	—	4	X 10975, X 11322, X 11485,
6899	Pavo	—	1682	25083	20.1	—74 1	5.86	K 2	—	3	X 12093, X 12506, X 12567
..	Sagittarius	—	15696	25125	20.2	—30 27	6.74	G 0	—	2	X 10958, X 11601
..	Sagittarius	—	13225	25141	20.9	—33 28	7.14	K 0	—	1	X 11278
6907	Sagittarius	—	14965	25157	21.4	—29 53	5.86	G 0	—	2	X 10958, X 11601
6908	Pavo	—	9063	25137	21.4	—57 35	5.79	K 0	—	4	X 11147, X 11229, X 12073,
6910	Corona Aust.	—	12626	25155	21.5	—39 3	5.65	A 2	—	3	X 11030, X 11168, X 11286
6915	Corona Aust.	—	12564	25166	21.9	—43 54	6.50	K 0	—	2	X 11236, X 11246
6921	Corona Aust.	—	12824	25181	22.3	—38 55	6.65	B 8	—	3	X 11168, X 12703, X 12714
6922	Telescopium	—	12319	25179	22.4	—47 17	5.70	K 0	—	2	X 12444, X 12519
..	Sagittarius	—	14995	25202	22.8	—29 19	6.77	F 5	—	1	X 11601
..	Corona Aust.	—	12573	25192	22.8	—43 53	R	G 0	232	2	X 11236, X 11246
..	Sagittarius	—	12861	25206	23.1	—34 0	R	B 9	233	2	X 11278, B 5175
..	Sagittarius	—	13270	25224	23.4	—33 7	R	A 3	234	2	X 11269, X 11278
..	Telescopium	—	12549	25209	23.4	—48 5	R	G 0	235	2	X 11322, X 11485
..	Telescopium	—	12332	25215	23.5	—47 53	R	K 0	236	1	X 11322
..	Corona Aust.	—	12589	25234	24.0	—43 48	R	B 3	237	1	X 11236
6936	Sagittarius	—	13281	25259	24.5	—33 3	5.44	A 3	238	3	X 11269, X 11278, X 12052
6937	Corona Aust.	—	12600	25262	24.7	—43 34	5.71	K 0	—	1	X 11236
6942	Corona Aust.	—	12696	25274	25.4	—39 46	5.25	A 2	—	5	X 11030, X 11168, X 11175,
6948	Corona Aust.	—	12704	25291	26.0	—39 58	6.27	F 0	—	2	X 11175, X 12049
6952	Corona Aust.	—	12896	25305	26.5	—38 47	6.55	R	239	3	X 11030, X 11286, X 12049
6953	Corona Aust.	κ	12895	25306	26.5	—38 48	5.95	B 8	—	—	—
6956	Scutum	—	5098	..	26.7	—14 43	6.34	A 2	—	1	X 12112
6959	Scutum	—	5099	25328	27.1	—14 56	5.88	K	—	1	X 12112
..	Sagittarius	—	14462	25329	27.1	—24 11	6.75	B 3	—	1	X 11644
..	Sagittarius	—	4994	25331	27.3	—18 26	6.98	B 0	—	1	X 11759
6960	Sagittarius	—	13338	25330	27.4	—33 5	5.38	B 3	—	3	X 11269, X 11278, X 12052
6961	Sagittarius	24	14472	25344	27.8	—24 6	5.71	K 2	—	1	X 11644
6962	Scutum	—	5106	25347	27.9	—14 56	5.74	A 0	—	1	X 11617
6965	Sagittarius	25	14479	25355	28.5	—24 18	6.39	F 0	—	1	X 11644
..	Sagittarius	—	14281	25358	28.9	—32 58	6.85	A 0	—	2	X 11269, X 11278
6969	Sagittarius	—	5189	25373	29.4	—20 55	6.52	A 5	—	1	X 12191
6988	Sagittarius	—	5076	25424	31.9	—21 29	5.80	A 5	—	2	X 11814, X 12191

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h.</i> <i>m.</i>	<i>°</i> <i>'</i>					
6991	Corona Aust.	—	12699	25428	18 32.4	—43 16	5.36	Mb	—	1	X 11159
6998	Sagittarius	—	5081	25455	32.9	—21 8	5.91	G 5	—	2	X 11814, X 12191
..	Sagittarius	—	14580	25456	32.9	—23 16	6.79	F 8 p	41	1	X 11784
..	Corona Aust.	—	12797	25459	33.4	—44 16	R	G 0	240	1	X 11159
7011	Sagittarius	26	14625	25526	35.7	—23 56	6.14	A 2	—	1	X 11784
..	Sagittarius	—	14620	25550	36.8	—24 4	R	G 0	241	1	X 11784
7021	Corona Aust.	λ	13036	25548	36.9	—38 25	5.13	A 0	—	3	X 12024, X 12926, X 12419
7027	Pavo	—	1939	25527	37.4	—73 6	6.22	A 0	242	2	X 12018, X 12097
7031	Corona Aust.	—	12864	25572	38.0	—39 48	5.48	Comp.	243	4	X 11519, X 12024, X 12026,
..	Corona Aust.	—	12866	25573	38.0	—39 51	6.70	G 0	—	2	X 11519, X 12026
7035	Sagittarius	—	13394	25600	38.6	—25 5	5.76	B 8	—	1	X 11670
7046	Sagittarius	28	4854	25642	40.3	—22 30	5.80	K 2	—	4	X 12199, X 12502, X 12590,
7050	Corona Aust.	μ	12807	25647	40.7	—40 31	5.28	G 0	—	3	X 11519, X 12087, X 12731
7055	Scutum	—	4797	25667	41.2	—10 14	5.81	F 5	—	1	X 11836
7062	Corona Aust.	η ¹	12841	25666	41.6	—43 48	5.59	A 2	—	3	X 11008, X 11253, X 11588
7065	Telescopium	—	12779	25683	42.0	—45 55	5.79	K 0	—	1	X 11311
7068	Corona Aust.	η ²	12854	25691	42.4	—43 32	5.64	B 9	—	3	X 11008, X 11253, X 11588
7078	Sagittarius	29	5277	25735	43.8	—20 26	5.37	K 0	—	1	X 11672
..	Corona Aust.	—	13159	25732	44.0	—41 10	6.82	B 5	244	1	X 11519
7087	Telescopium	κ	11268	25748	44.7	—52 13	5.27	K 0	—	1	X 11197
7088	Sagittarius	30	4881	25767	44.8	—22 17	6.24	F 0	—	2	X 12199, X 12731
7092	Telescopium	—	12669	25758	45.1	—46 42	5.49	Ma	—	1	X 11311
7093	Telescopium	—	11273	25765	45.3	—52 3	6.48	B 8	—	1	X 11197
7094	Scutum	—	4859	25787	45.5	— 9 53	5.89	F 0	—	1	X 11836
7097	Telescopium	—	12676	25779	45.6	—46 42	6.34	A 2	—	1	X 11311
..	Sagittarius	—	4892	25803	46.1	—22 2	6.66	A 2	—	2	X 12200, X 12731
7105	Sagittarius	—	16356	25806	46.3	—30 51	6.63	B 8	—	5	X 11002, X 12002, X 12082,
..	Telescopium	—	12603	25807	46.6	—47 23	7.20	F 5	—	1	X 11311
..	Telescopium	—	12605	25812	46.7	—47 23	R	A 0	245	1	X 11311
7114	Sagittarius	33	5176	25849	48.0	—21 29	5.75	K 0	—	5	X 12200, X 12527, X 12609,
7122	Corona Aust.	—	13761	25870	49.2	—42 50	5.42	K 0	—	1	X 10969
7127	Pavo	ω	7213	25872	49.7	—60 20	5.14	K 0	—	2	X 11019, X 11495
..	Pavo	—	7218	25905	51.2	—60 20	R	Comp.	246	2	X 11495, B 8583
7149	Scutum	η 9	4976	25931	51.7	— 5 58	5.04	K 0	—	1	X 12147
7151	Sagittarius	—	16189	25930	51.9	—31 10	6.14	K 0	—	1	X 12002
..	Sagittarius	—	5344	25943	52.3	—20 33	6.73	Oe 5	—	1	X 12735
7161	Pavo	—	3180	25923	52.8	—68 54	5.94	G 0	—	2	X 11300, X 11348
7168	Sagittarius	—	13614	25986	54.2	—25 5	6.38	K 0	—	2	X 11726, X 11750
7169	Corona Aust.	—	13017	25978	54.3	—37 12	6.84	R	247	2	X 10986, X 12057
7170	Corona Aust.	—	13018	25981	54.3	—37 12	6.61	B 8	—	2	X 10986, X 11193, X 11217,
7190	Telescopium	—	11893	26026	56.2	—51 9	6.01	K 5	—	1	X 11258
7195	Sagittarius	—	13655	26045	56.4	—24 59	5.73	K 2	—	2	X 11726, X 11750
7197	Corona Aust.	—	13300	26044	56.5	—38 24	5.73	F 0	—	4	X 10986, X 11193, X 11217,
..	Pavo	—	2957	26034	57.1	—69 2	R	A 2	248	2	X 11300, X 11348
7213	Telescopium	ρ	11356	26085	58.4	—52 29	5.18	G 0	—	3	X 11306, X 11979, X 12042
..	Sagittarius	—	13693	26099	58.6	—25 23	6.87	A 0	—	1	X 11726
7221	Pavo	—	3185	26091	59.3	—68 35	5.30	K 0	—	3	X 10997, X 11300, X 11348
7228	Octans	σ	47	25049	59.7	—89 15	5.48	F 0	—	1	X 11530
7230	Sagittarius	—	5223	26136	59.9	—15 49	5.90	A 0 p	37	1	X 11826
7239	Sagittarius	—	5153	26163	19 1.1	—16 23	5.93	B 8	—	1	X 11826

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.		Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h.</i>	<i>m.</i>	<i>°</i>					
	Pavo	—	3413	26147	19	1.5	—66 2	R	A 2	249	1	X 11164
7246	Sagittarius	—	15041	26182		2.1	—24 49	6.24	B 9	—	1	X 11726
	Pavo	—	3621	26203		3.9	—67 37	7.44	A 2	—	1	X 11164
7274	Pavo	τ	2962	26244		5.7	—69 22	6.50	A 3	—	1	X 11300
	Pavo	—	3626	26275		6.8	—67 21	R	K 0	250	1	X 11164
7277	Sagittarius	—	13936	26309		7.0	—26 5	5.86	K 0	—	1	X 11610
7278	Pavo	—	3417	26287		7.1	—66 50	5.57	A 2	251	1	X 11164
7281	Corona Aust.	—	13054	26311		7.4	—45 22	5.98	K 0	—	5	X 11014, X 11208, X 11504,
7282	Sagittarius	—	5311	26322		7.7	—12 27	5.62	K 0	—	1	X 12119
	Aquila	—	4900	26360		8.8	— 8 54	6.54	K 0	—	1	X 11831
7289	Telescopium	—	13072	26355		9.1	—45 39	5.32	K 0	—	4	X 11014, X 11504, X 11546,
	Telescopium	—	13086	26382		10.1	—45 36	R	A 5	252	2	X 11208, B 19946
7297	Telescopium	—	9513	26377		10.2	—53 34	6.42	F 5	—	1	X 11274
7304	Sagittarius	d 43	5379	26414		11.8	—19 8	5.03	K 0	—	1	X 11690
7316	Sagittarius	—	13393	26444		13.1	—35 36	5.61	B 5	—	3	X 11184, X 11290, X 12037
7329	Telescopium	η	9339	26462		14.8	—54 36	5.16	A 0	—	4	X 11230, X 11274, X 11280,
7330	Sagittarius	—	13422	26476		14.9	—35 10	6.45	G 5	—	2	X 11184, X 11290
	Telescopium	—	9341	26468		14.9	—54 43	7.20	F 5	—	3	X 11160, X 11280, X 11580
	Telescopium	—	9344	26484		15.6	—54 8	6.70	K 0	—	4	X 11160, X 11274, X 11280,
7339	Sagittarius	—	5412	26505		15.8	—19 25	6.38	B 8	—	1	X 11690
7355	Sagittarius	—	15767	26570		18.3	—28 3	5.94	B 3	—	1	X 11727
7360	Sagittarius	—	16104	26582		18.8	—29 30	6.09	K 0	—	1	X 11696
7363	Sagittarius	χ^3 49	15307	26601		19.4	—24 9	5.56	K 2	—	5	X 11602, X 11645, X 11704,
7367	Sagittarius	—	5428	26606		19.7	—14 6	5.81	K 0	—	1	X 11820
7370	Telescopium	—	9371	26593		19.8	—54 32	5.56	K 2	—	6	X 11025, X 11160, X 11230,
7375	Sagittarius	50	5105	26613		20.4	—21 58	5.56	K 0	—	1	X 11815
7379	Sagittarius	—	5435	26628		20.7	—14 45	6.64	A 0	—	2	X 11802, X 11820
7380	Sagittarius	—	16140	26618		20.7	—29 56	5.68	B 9	—	1	X 11696
	Sagittarius	—	13288	26622		20.8	—40 17	7.22	G 0	—	1	X 11237
7383	Pavo	—	3251	26604		20.8	—68 38	5.95	K 0	—	3	X 12437, X 12581, X 12587
7388	Telescopium	—	9096	26633		21.7	—55 38	6.18	K 0	—	1	X 11280
7392	Sagittarius	—	13395	26648		22.3	—43 39	5.80	A 0	—	2	X 10981, X 12063
7393	Telescopium	—	9100	26643		22.4	—55 19	6.41	F 5	—	1	X 11280
	Sagittarius	—	5362	26668		22.9	—15 18	6.73	B 3	—	2	X 11802, X 11820
7398	Sagittarius	—	14004	26682		23.6	—27 11	5.53	K 0	—	1	X 11653
	Telescopium	—	9391	26675		24.0	—54 22	R	Mb	253	2	X 11224, X 11280
7411	Telescopium	—	9585	26709		25.0	—53 24	5.91	A 5	—	1	X 11224
	Sagittarius	—	13384	26717		25.1	—44 45	6.69	G 0	—	4	X 10992, X 12070, X 12443,
7414	Aquila	e 36	4612	26737		25.4	— 3 0	5.22	Ma	—	1	X 11845
7416	Telescopium	—	13296	26741		26.1	—45 29	5.87	A 0 p	37	5	X 10992, X 12070, X 12497,
	Aquila	—	5024	26752		26.1	— 2 19	6.73	B 8	—	1	X 11845
7422	Sagittarius	—	13356	26776		27.3	—40 15	5.90	A 2	—	1	X 11237
	Telescopium	—	9602	26784		28.1	—53 14	R	Mb	254	1	X 11224
7430	Aquila	37	5122	26824		29.6	—10 47	5.24	G 5	—	1	X 11108
	Sagittarius	—	5444	26822		29.7	—21 0	6.73	G 0	—	1	X 11685
	Aquila	—	5054	26849		30.5	— 2 41	R	F 5	255	1	X 11845
7454	Sagittarius	—	5479	26872		31.9	—14 31	5.60	F 8	—	1	X 11744
7455	Pavo	—	3447	26851		31.9	—66 5	6.00	K 2	—	1	X 12507
	Sagittarius	—	5480	26878		32.2	—14 11	6.94	K 0	—	1	X 11744
7459	Telescopium	—	9438	26868		32.3	—54 39	6.28	K 0	—	1	X 11247

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h. m.</i>	<i>° ' "</i>					
7461	Telescopium	—	13354	26875	19 32.5	−45 31	6.24	A 5	256	4	X 10992, X 12070, X 12443,
..	Telescopium	—	9443	26877	32.7	−54 27	R	A 3	257	1	X 11247
..	Aquila	—	5140	26902	33.3	−10 23	6.60	A 5	—	1	X 11808
..	Sagittarius	—	5420	26925	34.2	−15 24	6.75	B 8	—	1	X 11744
7476	Sagittarius	e ¹ 54	5399	26949	35.0	−16 31	5.45	K 0	—	3	X 11751, X 11760, X 11785
7489	Sagittarius	e ² 55	5413	26989	36.8	−16 22	5.10	F 0	—	3	X 11751, X 11760, X 11785
7491	Sagittarius	—	13322	26987	37.0	−37 47	6.16	B 8	—	1	X 11270
7496	Sagittarius	—	5444	27016	37.8	−15 42	5.50	F 2	—	2	X 11760, X 11785
7507	Sagittarius	—	15443	27053	39.6	−32 8	5.56	B 8	—	4	X 11042, X 11176, X 11589,
7510	Telescopium	ν	9290	27043	39.9	−56 36	5.52	A 5	—	1	X 11199
7524	Pavo	—	3827	27074	41.4	−65 50	6.12	A 5	—	1	X 12507
7527	Pavo	—	6413	27083	41.6	−61 18	6.42	B 3	—	1	X 11254
7537	Telescopium	—	13103	27115	42.9	−47 48	6.00	Ma	—	7	X 12456, X 12513, X 12568,
7541	Aquila	—	5131	27134	43.6	−11 7	6.23	K 0	—	2	X 11673, B 16854
7548	Telescopium	—	9221	27144	44.7	−55 13	6.14	G 5	258	2	X 11198, X 11259
7549	Telescopium	—	9222	27145	44.7	−55 13	6.73	A 2			
7552	Sagittarius	—	13514	27165	45.0	−40 7	5.39	A 0 p	37	3	X 11048, X 12067, X 12450
7553	Aquila	51	5149	27177	45.3	−11 1	5.55	F 0	—	1	X 11673
7558	Pavo	—	6426	27174	45.9	−61 25	6.32	A 3	—	1	X 11254
7561	Sagittarius	57	5631	27200	46.4	−19 18	5.99	F 0	—	1	X 11671
7579	Pavo	—	3072	27219	48.3	−69 25	5.82	A 3	—	3	X 11262, X 11342, X 11349
7588	Pavo	—	3073	27224	48.7	−69 1	6.48	A 2	—	3	X 11262, X 11342, X 11349
7630	Sagittarius	—	13549	27352	53.7	−45 23	5.95	A 5	—	2	X 10976, X 12098
7631	Sagittarius	—	14082	27363	53.9	−33 58	5.67	F 5	—	4	X 11316, X 12528, X 12578,
7649	Sagittarius	63	5618	27431	56.4	−13 55	5.76	A 2	—	2	X 12113, X 12201
7659	Sagittarius	—	15682	27463	58.0	−32 20	5.05	K 0	—	3	X 11031, X 11185, X 11326
7661	Aquila	—	5159	27482	58.6	−7 45	6.50	A 5	—	2	X 12153, B 8588
..	Sagittarius	—	13899	27483	59.0	−34 57	7.05	A 0	—	1	X 12038
7667	Aquila	62	3887	27497	59.2	−0 59	5.84	K 0	—	1	X 12145
7668	Sagittarius	—	14700	27486	59.2	−33 17	6.55	B 8	259	1	X 11185
..	Telescopium	—	11626	27509	20 0.5	−52 52	R	G 5	260	1	X 11209
7703	Sagittarius	—	13940	27600	4.6	−36 21	5.34	K 5	—	2	X 10959, X 11218
7714	Telescopium	—	11643	27647	6.7	−52 45	5.69	K 5	—	2	X 11037, X 11209
7720	Aquila	66	3920	27697	8.1	−1 19	5.64	K 2	—	1	X 11832
7722	Capricornus	—	14659	27708	9.1	−27 20	5.69	K 0	—	1	X 11654
..	Capricornus	—	5619	27730	9.5	−13 42	7.11	K 0	—	1	X 11837
..	Telescopium	—	11659	27735	10.2	−52 14	6.68	F 5	—	1	X 11209
7738	Capricornus	3	5680	27770	10.9	−12 39	6.41	B 9	—	1	X 11837
7748	Capricornus	4	5384	27794	12.1	−22 7	5.96	K 0	—	1	X 11628
7761	Capricornus	σ 7	5776	27827	13.6	−19 26	5.46	K 0	—	3	X 11711, X 11765, X 12125
7779	Sagittarius	κ ¹	14836	27879	15.7	−42 21	5.64	A 0	—	3	X 10964, X 11194, X 11581
7785	Octans	—	901	27836	16.6	−81 17	5.81	K 0	—	4	X 11374, X 12094, X 12211,
7787	Sagittarius	κ ²	14847	27909	17.1	−42 44	5.68	A 3	261	3	X 10964, X 11194, X 11581
7801	Sagittarius	—	17049	27974	19.3	−28 59	5.97	K 0	—	3	X 11595, X 11603, X 11611
7812	Octans	—	906	27956	21.4	−81 37	5.76	K 5	—	4	X 11374, X 12094, X 12211,
..	Capricornus	—	5992	28078	23.3	−17 46	6.78	G 0	—	1	X 11718
..	Capricornus	—	5691	28080	23.3	−18 12	6.69	K 0	—	3	X 11697, X 11705, X 11718
7829	Capricornus	—	5830	28099	24.1	−18 55	6.64	A 3	262	2	X 11705, X 11718
7830	Capricornus	° 12	5831	28100	24.1	−18 55	6.10	A 2			
7832	Microscop.	—	17122	28108	24.8	−29 27	6.14	A 5	—	2	X 11603, X 11611

H.R.	Constellation.	Desig.	D.M.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h. m.</i>	<i>° ' "</i>					
7845	Capricornus	—	5423	28149	20 27.0	—10 12	5.81	G 5	—	1	X 11846
7846	Microscop.	ν	14020	28141	27.0	—44 51	5.30	K 0	—	4	X 10970, X 12013, X 12520,
	Microscop.	—	14043	28182	28.9	—44 41	6.53	K 0	—	3	X 12013, X 12520, X 12764
7863	Octans	μ^1	1434	28162	29.7	—76 32	6.14	F 0	—	3	X 11009, X 11358, X 11362
7864	Octans	μ^2	1644	28171	29.8	—75 42	7.06	G 5	263	2	X 11358, X 11362
	Octans	—	28172	29.8	—75 42	7.60					
7873	Aquila	70	4961	28248	31.5	— 2 54	5.22	K 0	—	1	X 12148
7893	Microscop.	—	15119	28305	34.1	—33 47	5.54	K 2	—	2	X 11281, X 11291
7900	Capricornus	ν 15	5738	28317	34.4	—18 29	5.33	Ma	—	1	X 11691
7905	Capricornus	—	5663	28335	34.9	—16 29	5.91	K 0	—	1	X 12140
7909	Microscop.	—	16130	28337	35.2	—31 57	5.80	Ma	—	3	X 11238, X 11291, X 11312
	Capricornus	—	6059	28350	35.6	—17 44	6.91	K 0	—	1	X 11691
7915	Microscop.	—	13994	28361	36.3	—39 55	6.38	K 0	—	2	X 11295, X 12574
7933	Microscop.	—	13960	28444	39.8	—39 34	5.53	B 8	—	5	X 11295, X 12027, X 12498,
7934	Pavo	σ	3138	28430	39.8	—69 9	5.47	K 0	—	1	X 11231
7937	Capricornus	17	5523	28462	40.4	—21 53	5.89	A 0	—	1	X 11646
	Microscop.	—	14143	28488	41.5	—44 34	6.52	K 0	—	1	X 11200
7943	Microscop.	ι	14145	28490	41.7	—44 22	5.14	F 0	—	2	X 11200, X 12571
7959	Pavo	—	6180	28519	43.3	—62 48	6.59	A 2	264	2	X 10998, X 12704
7960	Pavo	—	28520	43.3	—62 48	6.59					
7968	Indus	ι	11782	28555	44.3	—51 59	5.16	K 0	—	2	X 11015, X 12043
7971	Microscop.	—	14250	28565	44.6	—38 17	5.55	K 0	—	4	X 11301, X 12088, X 12164,
7976	Aquarius	—	5773	28588	45.2	—12 54	5.99	K 0	—	2	X 12135, X 12222
7987	Microscop.	—	14078	28625	47.1	—40 11	5.42	K 2	—	2	X 11248, X 12744
	Capricornus	—	5950	28648	47.9	—19 30	7.09	K 0	—	1	X 11821
	Indus	—	11793	28641	47.9	—52 29	7.16	G 5	—	1	X 11367
	Capricornus	—	5954	28661	48.4	—19 22	7.49	G 0	—	1	X 11821
	Capricornus	—	5960	28674	49.1	—19 10	6.66	F 0	—	1	X 11821
	Aquarius	—	5611	28683	49.3	— 9 15	7.02	K 0	—	1	X 11809
8015	Aquarius	7	5553	28715	51.5	—10 5	5.68	K 2	—	2	X 11803, X 11809
8018	Capricornus	—	5741	28725	52.1	—16 25	5.95	A 3	—	1	X 11674
8021	Octans	α	1474	28706	52.6	—77 24	5.24	F 2	—	1	X 12524
8027	Indus	—	12778	28735	53.3	—51 39	5.88	F 5	—	1	X 11367
	Microscop.	—	14302	28737	53.4	—43 24	7.42	A 2	—	1	X 12178
8033	Capricornus	20	5982	28753	53.9	—19 26	6.23	A 0 p	37	1	X 11821
8042	Microscop.	—	14325	28791	55.6	—43 23	6.51	G 5	—	5	X 11796, X 12050, X 12083,
	Microscop.	—	14327	28797	55.7	—43 23	6.94	G 5	—	5	X 11796, X 12050, X 12083,
8045	Capricornus	—	15197	28807	55.9	—27 17	5.92	A 2	—	1	X 11686
8046	Microscop.	—	14079	28810	56.0	—38 55	5.94	K 0	—	2	X 11317, X 11745
	Microscop.	—	14087	28819	56.5	—39 29	7.24	G 0	—	1	X 11317
8048	Microscop.	ζ	14089	28821	56.6	—39 1	5.35	F 0	—	3	X 11043, X 11317, X 11745
8050	Microscop.	—	17077	28837	57.2	—28 7	6.19	K 0	265	1	X 11686
8055	Indus	μ	9509	28844	57.9	—55 7	5.20	K 0	—	2	X 11026, X 11255
	Microscop.	—	14086	28877	58.8	—37 37	6.94	K 0	—	1	X 11327
8061	Pavo	—	2192	28851	58.8	—73 34	5.83	G 0	—	1	X 11419
	Microscop.	—	14278	28878	59.0	—43 55	R	K 0	266	1	X 12178
	Pavo	—	7451	28887	59.6	—60 23	6.76	G 5	—	2	X 12099, X 12182
8069	Microscop.	η	14379	28904	59.9	—41 47	5.56	K 0	—	2	X 10987, X 12122
8070	Microscop.	δ	18382	28907	21 0.0	—30 31	5.71	K 0	—	1	X 10982
8073	Pavo	—	4094	28900	0.2	—64 20	5.80	K 0	—	1	X 11263

H.R.	Constellation.	Desig.	D.M.	A.G.C.	R. A. 1900.		Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h.</i>	<i>m.</i>	<i>°</i>					
...	Indus	—	9803	28916	21	0.5	—54 37	6.92	A 3	—	1	X 11255
...	Microscop.	—	14116	28940		1.1	—39 5	7.37	F 0	—	1	X 11317
8081	Pavo	—	2195	28915		1.3	—72 57	6.22	K 0	—	1	X 11419
...	Capricornus	—	15255	28955		1.5	—27 41	7.09	A 3	—	1	X 11686
...	Microscop.	—	14129	28972		2.4	—37 39	6.87	B 8	—	1	X 11327
8087	Capricornus	χ 25	5933	28990		2.8	—21 36	5.27	A 0	—	1	X 11761
...	Microscop.	—	14135	28994		3.1	—37 6	6.55	G 0	—	1	X 11327
...	Capricornus	—	6140	29006		3.5	—20 36	6.88	K 0	—	1	X 11761
...	Microscop.	—	14402	29002		3.6	—43 47	6.90	B 9	—	1	X 12083
8091	Capricornus	27	5940	29014		3.9	—20 57	6.15	F 0	—	1	X 11761
8092	Pavo	o	2835	28995		4.0	—70 32	5.08	Ma	—	1	X 11219
8100	Microscop.	—	14216	29048		5.8	—40 40	5.84	F 5	—	3	X 10993, X 11049, X 12071
8104	Microscop.	—	14152	29075		6.6	—39 50	5.26	F 5	—	4	X 10993, X 11049, X 12071,
8108	Microscop.	—	14676	29084		7.1	—36 50	6.07	K 0	—	1	X 11327
8110	Microscop.	3	17178	29093		7.4	—28 2	5.55	K 5	—	2	X 11736, X 11816
8117	Microscop.	—	14440	29123		8.8	—40 55	6.30	K 0	—	2	X 10993, X 12071
8127	Capricornus	ψ 28	5974	29161		9.9	—21 4	5.35	K 0	—	1	X 11712
8128	Capricornus	29	5935	29169		10.2	—15 35	5.50	Ma	—	1	X 11827
...	Capricornus	—	6178	29224		12.7	—20 45	6.69	K 0	—	1	X 11712
8145	Indus	T	14302	29232		13.6	—45 27	var.	N	267	1	X 11379
...	Capricornus	—	5840	29236		13.7	—16 36	6.93	K 0	—	1	X 11827
8156	Pavo	—	2844	29252		15.2	—70 10	6.10	N	—	1	X 12033
...	Octans	—	R	29210		15.3	—83 28	7.11	A 2	268	1	X 12642
8172	Capricornus	—	16877	29306		17.3	—23 5	5.72	K 5	—	4	X 12736, X 12767, C 17512,
8176	Octans	—	716	29257		17.6	—83 7	6.52	B 3	—	1	X 12642
8183	Capricornus	33	6007	29326		18.4	—21 16	5.47	K 0	—	1	X 11752
8184	Capricornus	—	16889	29322		18.4	—23 11	6.48	K 0	—	3	X 11719, X 12736, X 12767
8188	Indus	γ	9586	29331		19.1	—55 6	6.24	F 0	—	1	X 12196
8196	Pavo	—	2850	29336		19.8	—69 57	5.50	Mb	—	2	X 12033, X 12508
8200	Microscop.	—	14551	29358		20.2	—38 16	5.69	K 0	—	2	X 11282, X 11350
8202	Microscop.	—	14539	29368		20.6	—42 59	5.61	A 3 p	269	3	X 10977, X 11241, X 12058
8207	Capricornus	35	6020	29392		21.5	—21 37	6.03	K 0	—	1	X 11750
...	Grus	—	14569	29430		23.3	—38 32	7.50	G 5	—	1	X 11350
...	Grus	—	14572	29448		23.7	—38 8	7.10	G 0	—	1	X 11350
8229	Grus	ξ	14550	29482		25.8	—41 38	5.35	K 0	—	1	X 11363
8230	Piscis Austr.	6	15110	29490		26.2	—34 24	5.99	A 2	—	1	X 11422
8236	Grus	—	14367	29495		26.9	—45 18	5.73	K 0	—	6	X 11032, X 12054, X 12090,
...	Piscis Austr.	—	15135	29539		29.2	—34 46	6.85	G 0	—	1	X 11422
8249	Indus	—	3937	29552		30.0	—65 16	6.32	A 2	—	2	X 11260, X 12193
8253	Piscis Austr.	8	15702	29577		30.4	—26 37	5.77	A 3	—	1	X 11706
8256	Piscis Austr.	7	15664	29580		30.8	—33 29	6.09	A 5	—	1	X 11375
8268	Piscis Austr.	—	15163	29625		33.1	—34 7	6.34	K 0	—	1	X 11375
...	Octans	—	721	29605		34.6	—82 53	7.03	F 5	—	1	X 12642
8280	Octans	λ	722	29624		35.6	—83 11	5.38	Comp.	270	3	X 12642, X 12710, B 8607
8283	Capricornus	42	6102	29681		36.1	—14 29	5.28	G 5	—	1	X 12157
8285	Capricornus	41	17057	29692		36.4	—23 43	5.32	K 0	—	1	X 11698
8286	Indus	—	2632	29670		36.7	—71 28	6.18	B 8	—	1	X 12068
8294	Octans	B	53	29042		37.6	—89 19	6.54	A 5	—	1	X 11530
8295	Capricornus	44	6046	29718		37.7	—14 51	5.99	A 5	—	1	X 12157
8302	Capricornus	45	6052	29734		38.6	—15 12	5.90	A 5	—	2	X 11822, X 12157

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.		Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h.</i>	<i>m.</i>	<i>°</i>					
8319	Capricornus	λ 48	6087	29774	21	41.2	-11 50	5.43	A 0	—	1	X 12126
8323	Grus	—	13928	29785		41.7	-47 45	5.70	G 5	271	1	X 11095
..	Grus	—	14013	29797		42.1	-48 14	6.96	A 5	—	1	X 11095
8331	Indus	—	3951	29794		42.3	-65 10	5.65	K 0	—	3	X 12588, X 12715, X 12755
8333	Indus	<i>o</i>	2873	29790		42.4	-70 6	5.50	K 2	—	2	X 12597, X 12721
..	Grus	—	13941	29831		43.3	-47 4	7.10	K 0	—	1	X 11095
..	Grus	—	14024	29835		43.5	-48 11	6.62	K 0	—	1	X 11095
..	Capricornus	—	5854	29882		45.2	-9 27	6.75	K 0	—	1	X 11847
..	Indus	—	2884	29905		47.0	-70 35	6.82	A 0	—	1	X 12597
..	Indus	—	2885	29908		47.2	-70 32	6.66	A 2	—	1	X 12597
8352	Indus	—	6277	29926		47.8	-62 21	5.89	F 0	—	2	B 5453, B 8573
8366	Grus	—	14565	29989		50.4	-37 44	5.55	A 2	—	3	X 11004, X 11296, X 11318
8367	Grus	—	14801	30004		51.0	-38 13	6.19	F 0	—	4	X 11004, X 11296, X 11302,
..	Capricornus	—	6060	30051		53.0	-13 9	7.03	G 5	—	1	X 11692
8379	Grus	—	14820	30054		53.2	-38 52	5.59	K 0	—	5	X 11004, X 11038, X 11296,
8380	Octans	—	1542	30034		53.2	-76 36	5.91	F 2	—	1	X 12219
8386	Piscis Austr.	η 12	18119	30101		55.1	-28 56	5.42	B 8	272	1	X 11728
8408	Piscis Austr.	—	15757	30190		58.9	-27 19	5.84	B 5	125	6	X 11737, X 11756, X 12595,
8409	Indus	—	7541	30176		58.9	-60 7	5.60	K 5	—	2	X 11010, X 11368
..	Indus	—	7766	30213	22	0.8	-59 48	7.08	K 0	—	1	X 11368
8420	Octans	—	1547	30211		1.2	-76 22	6.52	K 2	—	1	X 12219
8432	Octans	—	1549	30235		2.5	-76 37	6.21	K 0	—	1	X 12219
8457	Aquarius	—	6173	30320		5.5	-21 44	6.10	F 5	—	1	X 11779
8470	Piscis Austr.	—	15815	30374		8.1	-25 41	5.58	F 8	—	1	X 11787
8471	Octans	ψ	1442	30350		8.1	-78 1	5.63	A 5	—	3	X 11097, X 12105, X 12651
8480	Aquarius	41	6180	30385		8.8	-21 35	5.45	G 5	273	1	X 11779
8481	Octans	ϵ	995	30358		8.8	-80 57	5.11	Mb	—	1	X 11412
8492	Piscis Austr.	—	16057	30414		11.0	-26 24	6.27	K 0	—	1	X 11787
8496	Aquarius	42	6148	30426		11.4	-13 20	5.55	K 0	—	1	X 12141
8505	Octans	ν	406	30380		12.6	-86 29	5.74	K 0	—	3	X 12095, X 12661, X 12733
8515	Indus	ν	2690	30500		16.0	-72 44	5.42	G 0	—	1	X 11400
8516	Aquarius	47	5897	30513		16.1	-22 5	5.40	K 0	—	1	X 11713
8521	Grus	π^1	14292	30526		16.6	-46 27	6.65	N	—	1	X 11264
8524	Grus	π^2	14295	30534		16.9	-46 25	5.82	F 0	—	1	X 11264
8526	Octans	—	1748	30520		17.1	-75 31	6.17	G 0	—	1	X 11359
..	Grus	—	14171	30542		17.2	-47 10	7.06	A 2	—	1	X 11264
8527	Indus	—	2686	30532		17.4	-70 56	5.95	F	—	3	X 12065, X 12656, X 12773
8529	Aquarius	49	15905	30555		17.9	-25 16	5.61	K 0	—	1	X 11720
..	Grus	—	14697	30570		18.7	-39 38	6.86	A 2 p	72	2	X 11292, X 11351
8544	Aquarius	f 53	6520	30617		21.1	-17 15	6.57	G 0	274	2	X 11767, X 11823
8545	Aquarius		6521	30618		21.2	-17 15	6.35				
8547	Indus	—	3493	30611		21.3	-67 59	5.70	A 3	275	2	X 11851, X 12089
8552	Grus	ν	14723	30641		22.8	-39 38	5.48	K 0	—	3	X 11050, X 11292, X 11351
8563	Piscis Austr.	—	15932	30670		24.2	-27 37	5.95	F 0	—	4	X 11738, X 11757, X 12136,
8570	Piscis Austr.	ζ	16175	30695		25.3	-26 35	6.53	K 0	—	2	X 12136, X 12776
8592	Aquarius	ν 59	6251	30782		29.2	-21 13	5.29	F 5	—	1	X 11707
8593	Tucana	—	7971	30779		29.4	-58 24	6.26	A 3	—	2	X 11380, X 12100
8616	Piscis Austr.	—	16160	30855		33.2	-33 36	5.60	A 0	—	5	X 11044, X 11376, X 12607,
..	Piscis Austr.	—	15667	30836		32.3	-33 59	7.45	A 3	—	1	X 11376
8620	Tucana	—	7984	30875		34.4	-57 56	5.91	K 0	—	2	X 11380, X 11869

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h.</i> <i>m.</i>	<i>°</i> <i>'</i>					
8623	Piscis Austr.	—	18920	30884	22 34.8	—31 10	5.98	K 2	—	1	X 12592
8635	Grus	—	14307	30909	36.7	—47 43	6.26	G 0	—	1	X 11328
8637	Piscis Austr.	19	19267	30917	36.8	—29 53	6.44	Ma	—	1	X 12592
8657	Grus	—	14320	30974	39.8	—47 4	5.42	K 0	—	1	X 11328
8662	Grus	—	14331	30999	40.8	—47 28	6.84	A 5	—	1	X 11328
8663	Octans	ξ	1055	30980	41.0	—80 39	5.52	B 5	—	2	X 12084, X 12664
8670	Aquarius	68	6486	31041	42.1	—20 8	5.43	G 5	—	1	X 11699
8671	Grus	—	15217	31035	42.1	—38 45	6.70	G 0	—	1	X 11364
8685	Grus	—	14848	31099	45.3	—39 41	5.39	K 2	—	3	X 11303, X 11364, X 12132
8689	Tucana	—	4826	31100	45.6	—63 43	6.08	K 0	—	1	X 12183
8693	Piscis Austr.	21	19324	31105	45.9	—30 4	6.03	K 0	—	2	X 12165, X 12171
8700	Grus	τ ¹	13988	31133	47.7	—49 8	6.32	G 5	—	4	X 12188, X 12197, X 12679,
8711	Aquarius	77	6619	31166	49.4	—16 48	5.66	K 0	—	1	X 11817
. .	Grus	—	13996	31162	49.5	—49 0	6.98	G	276	6	X 12188, X 12197, X 12207,
. .	Grus	τ ²	13997	31161	49.5	—49 2	6.66	G 5	—	6	X 12188, X 12197, X 12207,
8722	Grus	τ ³	14364	31196	51.0	—48 30	5.90	A 3	—	7	X 12188, X 12197, X 12207,
8740	Piscis Austr.	—	19383	31247	54.2	—30 0	5.54	A 5	—	3	X 11391, X 11762, X 12238
8743	Piscis Austr.	—	16220	31257	54.7	—25 42	5.85	K 0	—	1	X 11729
8746	Piscis Austr.	—	16419	31267	55.0	—26 10	6.44	K 0	—	1	X 11729
8749	Grus	—	13446	31273	55.3	—51 29	5.63	K 2	—	1	X 11797
8754	Piscis Austr.	—	18537	31288	55.9	—29 23	5.72	K 0	—	3	X 11391, X 11762, X 12238
. .	Grus	—	14393	31306	57.2	—48 23	6.72	B 8	—	1	X 12225
8767	Piscis Austr.	π	15630	31327	58.0	—35 17	5.13	F 0	—	1	X 11423
8769	Indus	—	3301	31328	58.3	—69 22	5.64	F 0	—	2	X 12589, X 12775
8771	Grus	—	16177	31337	58.4	—42 1	5.76	K 0	—	1	X 11855
8774	Grus	κ	10197	31340	58.8	—54 30	5.26	K 5	—	1	B 5664
8786	Octans	—	1064	31360	23 0.2	—80 1	6.20	A 2	—	2	X 12084, X 12664
8790	Grus	ν	14936	31383	1.3	—39 26	5.59	A 0	—	3	X 11314, X 12229, X 12594
8793	Grus	—	13471	31388	1.5	—51 14	6.12	F 5	277	2	X 11797, X 12234
. .	Grus	—	13471	31386	1.5	—51 14	6.79	F 5	—	2	X 11797, X 12234
8794	Indus	—	2054	31381	1.6	—74 8	6.09	K 0	—	1	X 11107
8802	Sculptor	—	18588	31414	2.9	—29 22	5.85	K 0	—	1	X 11774
8813	Sculptor	—	18099	31436	4.3	—28 38	6.06	K 0	—	1	X 11774
8818	Grus	—	15163	31441	4.6	—41 8	6.04	Mb	—	2	X 11319, X 12175
. .	Grus	—	15054	31453	4.8	—40 35	R	K 0	278	1	X 12175
8823	Sculptor	—	19460	31458	5.4	—30 4	6.49	F 0	—	1	X 11774
. .	Grus	—	15177	31473	6.4	—44 32	7.30	K 0	—	1	X 11413
. .	Grus	—	14090	31502	7.9	—49 41	8.38	A 0 p	37	1	X 11103
8835	Grus	—	15197	31523	9.4	—41 39	5.76	K 0	—	4	X 11319, X 11344, X 11369,
8843	Tucana	—	6412	31547	10.9	—62 33	5.69	G 0	—	3	X 12600, B 4094, X 12756
8846	Grus	—	14982	31549	11.1	—45 2	5.87	K 0	—	1	X 11413
8847	Grus	—	15205	31558	11.3	—41 45	6.47	K 0	—	2	X 11344, X 11369
8849	Octans	—	1065	31548	11.6	—80 1	6.29	K 0	—	1	X 12084
8850	Aquarius	χ ⁹²	6076	31665	11.7	— 8 16	5.14	Mb	—	1	X 11811
. .	Aquarius	—	5975	31567	11.8	— 7 43	6.68	F 0	—	1	X 11811
8859	Grus	ψ	15211	31580	12.7	—41 22	5.55	F 0	—	2	X 11344, X 11369
. .	Aquarius	—	6441	31584	12.8	—14 20	6.82	K 0	—	1	X 11828
8862	Octans	τ	204	31530	13.2	—88 2	5.56	K 0	—	3	X 12643, B 8182, B 22566
. .	Sculptor	—	19218	31594	13.6	—31 6	6.94	K 0	—	1	X 12179
8866	Aquarius	94	6448	31605	13.8	—14 0	5.27	G 5	—	1	X 11828

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Class.	Rem.	No. Plate.	Plate Numbers.
					<i>h. m.</i>	<i>° ' "</i>					
. .	Grus	—	15222	31611	23 14.2	—41 38	R	A 5	279	2	X 11344, X 11369
8877	Grus	—	13948	31630	15.2	—50 51	6.11	F p	280	2	X 11096, B 8420
8883	Sculptor	—	16284	31643	15.9	—27 32	5.81	G 5	—	1	X 11721
. .	Aquarius	—	6098	. .	16.6	—10 18	7.54	B 3	—	1	X 11840
. .	Grus	—	10280	31685	18.2	—54 22	7.37	A 5	281	1	X 11866
8895	Grus	—	10281	31687	18.2	—54 22	6.08	A 5	—	1	X 11401
8898	Grus	—	12150	31697	18.6	—52 27	5.70	K 5	—	1	X 11114
8901	Tucana	—	10268	31714	19.6	—57 24	5.61	K 0	—	1	X 11721
. .	Sculptor	—	18199	31736	20.9	—27 59	6.70	K 0	—	1	X 11721
8907	Grus	<i>o</i>	10461	31737	21.0	—53 17	5.54	F 0	—	2	X 11401, X 11861
8909	Tucana	—	7890	31750	21.5	—59 2	5.62	K 0	—	1	X 11870
8910	Phoenix	—	13976	31752	21.6	—50 43	6.34	B 8	—	1	X 11096
. .	Aquarius	—	6291	31756	21.7	—15 48	6.89	A 3	—	1	X 11780
. .	Phoenix	—	13570	31761	22.3	—50 54	R G 5	282	1	X 11096	
8919	Tucana	—	4891	31773	23.3	—63 40	5.74	A 0 p	37	2	X 11103, X 12596
. .	Phoenix	—	10031	31782	23.7	—55 3	6.55	K 0	—	1	X 11866
8935	Octans	—	1473	31840	26.9	—77 57	5.78	K 0	—	1	X 11119
8956	Sculptor	—	17593	31944	31.8	—32 26	6.51	K 0	—	1	X 11377
8957	Octans	—	1583	31946	32.2	—77 26	5.99	K 0	—	2	B 8592, B11988
. .	Sculptor	—	16646	31989	34.5	—33 18	7.16	K 0	—	1	X 11377
. .	Aquarius	—	6489	32004	35.4	—19 33	8.03	K 0	—	1	X 11824
8975	Sculptor	<i>μ</i>	17621	32003	35.4	—32 38	5.33	K 0	—	2	X 11352, X 11377
. .	Sculptor	—	17623	32011	35.8	—32 38	7.18	G 5	—	1	X 11377
8987	Aquarius	—	6345	32034	37.3	—16 0	5.44	K 2	—	2	X 12127, X 12158
8995	Octans	—	1239	32060	38.6	—79 21	5.68	K 0	—	1	X 11119
8996	Tucana	—	4159	32065	38.7	—64 58	5.66	K 5	—	1	X 11098
. .	Tucana	—	4160	32069	38.8	—64 54	6.92	K 5	—	1	X 11098
9023	Tucana	—	4931	32172	44.4	—63 24	6.40	K 0	—	1	X 11360
. .	Aquarius	—	6519	. .	45.6	—18 51	7.09	K 0	—	1	X 11758
9032	Octans	<i>γ</i> ¹	905	32200	46.2	—82 34	5.10	G 5	—	2	X 12652, X 12784
9049	Sculptor	—	17723	32265	50.1	—32 29	6.05	B 3	283	1	X 12166
9050	Sculptor	—	17724	32266	50.1	—32 27	6.73	R	—	1	X 11360
. .	Tucana	—	4938	32284	50.9	—63 26	R A 3	284	1	X 11360	
9060	Tucana	—	4940	32307	52.1	—63 31	6.04	A 2	—	2	X 11360, X 12220
9061	Octans	<i>γ</i> ²	907	32303	52.1	—82 44	5.68	K 0	—	3	X 12652, X 12662, X 12784
. .	Tucana	—	4941	32324	53.1	—63 34	R K 0	285	1	X 11360	
9077	Phoenix	—	15420	32355	55.2	—44 51	6.23	K 0	—	2	X 11856, X 12189
9081	Phoenix	<i>τ</i>	14316	32365	55.9	—49 22	5.66	K 0	—	4	X 11117, X 11329, X 11370,
9082	Phoenix	—	13743	32372	56.2	—50 54	5.38	Ma	—	1	X 11117
9101	Cetus	—	6868	32413	59.2	—17 5	5.80	K 0	—	1	X 11730
9103	Cetus	3	6194	32417	59.4	—11 4	5.16	K 2	—	1	X 12142
9108	Tucana	—	2800	32421	59.6	—72 0	5.64	B 9	—	2	X 12598, X 12779

REMARKS.

1. H.R. 24. κ' Sculptoris. This double star is Innes 0^b 5, magnitudes 6.7 and 6.8. No peculiarity is observed in the spectrum, except that the lines are somewhat broad. It appears probable that both stars have similar spectra.
2. A.G.C. 410, magn. 7.1.
3. A.G.C. 783,4. Innes 0^b 49, magnitudes, 7.4 and 8.2. The spectrum appears on the edge of the plate, but shows no peculiarity which might be due to superposition of two spectra. It appears probable that the two stars have similar spectra.
4. H.R. 251. Innes 0^b 51, magnitudes, 6.8 and 8.6. The fainter component is A.G.C. 800, which follows 0^a.1, north 7'', magn. 8.5. The spectrum is probably too faint to be photographed with this dispersion.
5. A.G.C. 1237, magn. 7.1.
6. H.R. 462. τ Sculptoris. Innes 1^b 35. It is probable that both components of this double star have similar spectra, since no peculiarity is observed, which might be due to the superposition of a spectrum of another class.
7. H.R. 486,7. p Eridani. Innes 1^b 37. The spectra of the two components of this well-known double star are separated sufficiently to show all the strong lines clearly double. Both spectra appear to be alike. It is interesting to note that Dunlop said of this double, in December, 1825, "A beautiful double star, both stars white," whereas the spectrum would imply that both stars are yellow in color.
8. A.G.C. 2424, magn. 7.2.
9. H.R. 814. Innes 2^b 28, magnitudes, 6.9 and 7.1, both white. The spectrum shows very few lines except the broad lines of hydrogen. The spectra of the two components are probably similar.
10. A.G.C. 3336, magn. 7.5.
11. H.R. 968. Innes 3^b 10, triple, magnitudes, 6.5, 7.0, and 10.1. The hydrogen lines are a little hazy, but the metallic lines are well-defined and rather narrow.
12. H.R. 1219. Innes 3^b 51. This spectrum is composite. It would be classed F5, except that the band K is only about 0.5 as wide as the band H. Innes states, "With the 7-inch Cape refractor, a 10th magn. star is seen 12'' $\pm$ at 180 $^{\circ}$ $\pm$." It is probable, however, that there is a brighter component.
13. H.R. 1271. Innes 4^b 2; magnitudes, 6.7 and 7.9, both white. No peculiarity appears in the spectrum, as photographed with the Bache Telescope.
14. H.R. 1372. Innes 4^b 17, magnitudes, 6.3 and 8.4. The lines, except those of hydrogen, are very faint and ill-defined. No peculiarity except this, which might be due to the focus, is seen.
15. A.G.C. 5004. Innes 4^b 31, magnitudes, 7.1 and 8.1. No peculiarity, which might be due to two spectra, is seen.
16. H.R. 1563,4. ι Pictoris. Innes 4^b 58, magnitudes, 6.0 and 6.9, both yellow. The photographs of this double star show the spectra of both components to be alike.
17. A.G.C. 5561. Innes 4^b 59, magnitudes, 7.6 and 7.7. The spectrum appears on the edge of the plates, but it is normal, with lines fairly well defined.
18. H.R. 1634. C.D.M. -22 $^{\circ}$ 1960, magn. 6.1.
19. H.R. 1771. Innes 5^b 27, colors, yellow and blue. The spectrum is Class F5, except that the band K is weaker than normal, and has only about 0.7 the intensity of the band H. This may be due to the superposition of two spectra, if we suppose that the brighter star has a spectrum of Class G and the fainter star has a spectrum near Class A, in which the dark hydrogen lines are more intense, and the K band is less intense than in the spectrum of the brighter star.
20. H.R. 2384. Innes 6^b 36. Photometric magnitudes, 5.39 and 8.40. The lines are well defined, and no peculiarity is noticed which might be due to the spectrum of the fainter component.
21. H.R. 2388. This spectrum appears to be composite. The Class is G, except that the band K is only about 0.7 as intense as the band H, and H δ is stronger than normal in spectra of Class G. This star has not been found in any list of southern double stars.
22. H.R. 2424. Innes 6^b 42, magnitudes, 6.1 and 7.1. No peculiarity is seen in the spectrum.
23. H.R. 2492. 10 Canis Majoris. The line H β is bright, with very faint dark edges. H ζ , H ϵ , H δ , and H γ are dark and wide.
24. H.R. 2674. Innes 7^b 2, magnitudes, 6.3 and 7.1. No peculiarity is seen in the spectrum, as photographed with the Bache Telescope.
25. H.R. 2726. Innes 7^b 14, magnitudes, 6.5 and 8.1. No peculiarity is seen in the spectrum, as photographed with the Bache Telescope.
26. H.R. 2909,10. n Puppis. Innes 7^b 53. The spectrum of the fainter component, which is H.R. 2910, appears separated on the following edge of n Puppis, and so far as can be determined, the spectra of both stars are alike.
27. H.R. 2957. The lines are narrow, and probably resemble in intensities those in α Ursae Minoris.
28. H.R. 2963. d^2 Puppis. Innes 7^b 62, magnitudes, 6.0 and 8.7. No peculiarity is seen in this spectrum.
29. H.R. 3079. Innes 7^b 83, magnitudes, 5.1 and 8.1. The lines are well defined and no peculiarity is seen in the spectrum.

30. A.G.C. 10425, magn. 7.1. The spectrum of A.G.C. 10426, magn. 7.4, is seen as a narrow edge on the preceding side of this spectrum, and is of the first type.
31. H.R. 3101. Innes 7^h 89, magnitudes, 7.4 and 7.5. No peculiarity is seen in this spectrum.
32. A.G.C. 10460, magn. 8.
33. A.G.C. 10461, magn. 7.2.
34. H.R. 3114. The spectrum of A.G.C. 10492, magn. 7.2, is seen on the following side of this spectrum, and is of Class G.
35. A.G.C. 10509, magn. 7.2.
36. A.G.C. 10656, magn. 8. The line H β is off the plate.
37. The spectrum resembles that of ν Fornacis, H.R. 612, which is described in H.A. 28, 186, Remark 143. The double line, 4128.5, 4131.4, due to silicon, is the strongest line except those of hydrogen.
38. H.R. 3178. The spectrum of C.D.M. -50° 3137, preceding 2°, south 6'4, magn. 8.3, which is of the first type, is partly superposed on this spectrum, and gives to it an appearance of abnormal strength at the end of shorter wave length.
39. A.G.C. 10800, magn. 7.2.
40. A.G.C. 10887, magn. 8.0.
41. The lines are sharp, and the spectrum resembles that of δ Canis Majoris, H.R. 2693, which is described in H.A. 28, 33, 188, Remark 185.
42. H.R. 3260. C Carinae. Innes 8^h 33, magnitudes, 5.4 and 8.6. The lines are wide, but it is not certain whether this is due to poor focus, or to the spectrum of the companion, A.G.C. 11099, magn. 8.5, which follows 0°5, north 2'.
43. H.R. 3291. The lines appear to be sharp.
44. A.G.C. 11385, magn. 7.1.
45. H.R. 3359. Innes 8^h 44. The lines are very clearly defined, on B 8888, and no peculiarity is seen which might be due to the double star.
46. H.R. 3386. Innes 8^h 49, magnitudes, 6.7 and 8.0. This spectrum is composite. The combined spectrum would be classified as F5, except that the band K is very faint, with not more than 0.1 of the intensity of H. It is probable that the spectrum of the fainter component is of Class B or A, and has a narrow K line, so that the superposition of the bright portion of its spectrum nearly counteracts the absorption in the spectrum of the primary star.
47. H.R. 3413. The spectrum is suspected to resemble that of τ^9 Eridani, H.R. 1240, in the strength of the two silicon lines, 4128.5 and 4131.4.
48. H.R. 3430. Innes 8^h 54, magnitudes, 5.4 and 6.6. Innes states, "This is a binary system, distance at present decreasing." No peculiarity is seen in the spectrum.
49. H.R. 3494. The spectrum has sharp lines and resembles that of α^2 Canis Majoris, H.R. 2653, which is described in H.A. 28, 183, Remark 96.
50. H.R. 3496. This spectrum has sharp lines, and their intensities resemble those in the spectrum of ι Scorpii, H.R. 6615, although, owing to the faintness of this object, an exact comparison could not be made.
51. H.R. 3661. Innes 9^h 13, magnitudes, 7.1 and 8.1. The lines in the spectrum are well defined, and no peculiarity is seen.
52. The lines are narrow, and the spectrum resembles that of β Orionis, H.R. 1713.
53. H.R. 3712. The lines are somewhat narrow.
54. A.G.C. 12812, magn. 7.2.
55. H.R. 3739. The spectrum of this star has peculiarly sharp lines, whose intensities are intermediate between those in the spectra of α Cygni, H.R. 7924, and ϵ Aurigae, H.R. 1605.
56. A.G.C. 12864, magn. 7.2.
57. A.G.C. 12921, magn. 7.4.
58. H.R. 3795. ι Chamaeleontis. The lines appear to be sharp and the spectrum probably resembles that of ϵ Aurigae, H.R. 1605.
59. H.R. 3840. Innes 9^h 52, magnitudes, 6.2 and 6.3. No peculiarity is seen in this spectrum.
60. A.G.C. 13171, magn. 7.2. This spectrum is like that of ν Fornacis, H.R. 612. The two silicon lines, 4128.5 and 4131.4, are peculiarly strong, and the strontium line, 4077.9, is well marked. See H.A. 28, 186, Remark 143, for description of ν Fornacis.
61. A.G.C. 13205, magn. 7.1. The line H β is off the plate.
62. H.R. 3976. Innes 10^h 9, magnitudes, 5.4 and 7.0, both yellow. No peculiarity is seen in this spectrum.
63. A.G.C. 13805, magn. 7.5.
64. A.G.C. 13865, magn. 7.5.
65. A.G.C. 13877, magn. 7.2.
66. A.G.C. 13969, magn. 7.8.
67. A.G.C. 14109, magn. 7.2.
68. A.G.C. 14269, magn. 7.2.
69. A.G.C. 14324. H β is a very narrow bright line superposed on a hazy dark band. H δ and H γ are broad and hazy.
70. H.R. 4135,6. s Velorum. Innes 10^h 48. No peculiarity is seen, and both components of this double star may have the same, or nearly the same, class of spectrum.
71. H.R. 4262. Innes 10^h 83, magnitudes, 6.5 and 7.3. The lines are broad, and the helium lines appear indistinctly double. It is probable that both stars have similar spectra.
72. The spectrum is like that of ι Phoenicis, H.R. 8949, which is described in H.A. 28, 187, Remark 159. The strontium lines, 4077.9 and 4215.7, are both well marked, and more intense than the two silicon lines, 4128.5 and 4131.4.
73. H.R. 4329. The spectrum of A.G.C. 15242, magn. 7.5, which is of the first type, is partly superposed. The lines H ϵ , H δ , H γ and H β of that spectrum are visible on the preceding edge of H.R. 4329.
74. H.R. 4401. Innes 11^h 19, both yellow. The lines are rather ill-defined, but, as the best image appears near the edge of the plate, this might be due to

- poor focus. It is to be noted that the observed yellow color of both these stars is not accordant with the type of spectrum, which is generally supposed to indicate blue stars.
75. H.R. 4417. This spectrum is composite. It would be classified as F2 or F5 except that the band K is only about 0.5 as wide as the band H. This star has not been found in the list of southern double stars.
 76. H.R. 4423. Innes 11^h 26, both yellow. Magnitudes, 5.44 and 8.02. No trace is seen of the spectrum of the fainter component. The observed color is not accordant with the spectrum of the brighter component.
 77. A.G.C. 15695, magn. 8.0.
 78. The lines are sharp and the spectrum appears to be like that of α Cygni, H.R. 7924.
 79. H.R. 4443.4. Innes 11^h 30. N Hydrae. The lines of the two components are separated sufficiently to show that both spectra are alike.
 80. H.R. 4453. Innes 11^h 31, magnitudes, 6.3 and 6.4, yellowish. No peculiarity is observed in this spectrum.
 81. A.G.C. 15842, magn. 7.2. The lines are sharp, and the spectrum resembles that of η Leonis, H.R. 3975. This spectrum appears to be intermediate between those of β Orionis, H.R. 1713, and α Cygni, H.R. 7924. A description of the spectrum of η Leonis may be found in H.A. 28, 24.
 82. H.R. 4492. Innes 11^h 42, comes = 11.3. The spectrum is composite, and it is probable that the brighter star is itself a close double. The spectrum is Class G0, except that the band K is barely seen. There is a general haziness over the entire spectrum, which is apparently due to the superposition of two spectra.
 83. The lines resemble those in α Cygni, H.R. 7924, in peculiar intensities. They are not so sharp as in α Cygni, but this may be due to the quality of the photograph.
 84. H.R. 4549. Innes 11^h 52, magnitudes, 5.3 and 7.8. No peculiarity is observed in this spectrum.
 85. A.G.C. 16420, magn. 7.2.
 86. A.G.C. 16494, magn. 7.3.
 87. A.G.C. 16498, magn. 8.0.
 88. A.G.C. 16505, magn. 8.0. The line, 4096.9, is more intense than in Class B, and in the region of H δ , the spectrum appears more nearly like that of τ Canis Majoris, H.R. 2782, Class Oe 5. On the plates taken with the Bache Telescope, this spectrum appears to be nearly continuous except that H δ is a well marked absorption line. The presence of the dark line 4096.9, which is joined to H δ on plates of small dispersion, renders H δ much more conspicuous than the lines H γ or H β . This increased intensity of H δ may prove to be the means of discovering spectra of this peculiar class on plates of small dispersion.
 89. H.R. 4611. The spectrum is slightly peculiar. The line K is as intense as in Class A, but the helium lines are as strong as in Class B 8. The lines are probably narrow.
 90. A.G.C. 16518, magn. 7.3.
 91. A.G.C. 16525, magn. 8.0.
 92. H.R. 4615. Innes 12^h 2, colors orange, and blue. The spectrum is composite. It would be classified as F5, except that the band K is not more than 0.6 or 0.7 as intense as H.
 93. A.G.C. 16651, magn. 7.8.
 94. H.R. 4645. S Muscae. This is a variable star of Class IV, having a period of 9^d.657. The spectrum has sharp lines of marked intensity, and is very nearly like that of δ Cephei. This is interesting because the light curves of these two stars are similar. In the Second Catalogue of Variable Stars, H.A. 55, 16, the spectrum of S Muscae is incorrectly stated to be K5.
 95. H.R. 4652. D Centauri. Innes 12^h 19, magnitudes, 5.60 and 6.81, both stars orange-yellow. No peculiarity is seen in this spectrum, and both stars may have spectra of Class K.
 96. A.G.C. 16909, magn. 7.8. This spectrum resembles that of θ Arae, H.R. 6743, which is described in H.A. 28, 177, Remark 39. The lines are not so sharp as in θ Arae.
 97. H.R. 4724. χ^2 Centauri. Innes 12^h 37, magnitudes, 6.5, and 6.7. No peculiarity is seen in this spectrum.
 98. A.G.C. 17022, magn. 7.2.
 99. A.G.C. 17127, magn. 7.1.
 100. H.R. 4830. H β is very faint in this spectrum, and the exact character of the line is somewhat uncertain, but it appears to consist of two faint bright lines superposed on a hazy, dark band. This appearance resembles that of η Centauri, H.R. 5440, in some of its phases, and it is suspected that H β in H.R. 4830 may be variable, as in η Centauri. H γ appears to be faintly bright on the edge of greater wave length. The other lines are indistinct and hazy, and resemble in wave length the lines in θ Arae, H.R. 6743.
 101. A.G.C. 17505, magn. 7.8.
 102. A.G.C. 17523, magn. 7.2.
 103. A.G.C. 17563, magn. 7.1.
 104. H.R. 4935. Innes 12^h 94, magnitudes, 6.1 and 6.6, yellowish. It is probable that both stars have similar spectra.
 105. A.G.C. 17910. The Uranometria Argentina. has the following note on this star. "Mr. Thome is confident of having seen this star at the magnitudes 6.7 and 7.2 as well as at intermediate degrees of brightness." So far as known, the variability has never been confirmed.
 106. A.G.C. 17999, magn. 7.2.
 107. A.G.C. 18037, magn. 7.1.
 108. This spectrum resembles that of δ Normae, H.R. 5980, which is described in H.A. 28, 187, Remark 163. The strontium line, 4077.9, is nearly as strong as the line K in these spectra.

109. A.G.C. 18229, magn. 7.2.
110. A.G.C. 18234, magn. 7.3.
111. A.G.C. 18248, magn. 7.8.
112. A.G.C. 18260, magn. 7.5.
113. A.G.C. 18548, magn. 7.6.
114. H.R. 5141. α Centauri. Innes 13^a 63, magnitudes of components, 5.65 and 7.10. The lines are somewhat hazy, which may be due to the superposition of two similar spectra.
115. A.G.C. 18619, magn. 7.3.
116. A.G.C. 18706, magn. 8.0.
117. H.R. 5207. N Centauri. Innes 13^b 78. The spectrum of A.G.C. 18814 is seen, and appears to be of Class B 8, but owing to its faintness, there is some uncertainty.
118. H.R. 5222. γ Centauri. Innes 13^a 82, magnitudes, 6.4 and 6.6. No peculiarity is seen in this spectrum.
119. A.G.C. 18862, magn. 7.3.
120. H.R. 5234. Innes 13^a 87, magnitudes, 6.9, and 8.1, both yellow. No peculiarity is seen in this spectrum.
121. A.G.C. 18940, magn. 7.5.
122. H.R. 5303. This spectrum resembles that of θ^1 Microscopii, H.R. 8151, which is described in H.A. 28, 186, Remark 158. The strontium line, 4077.9, is strong in these spectra.
123. A.G.C. 19239, magn. 7.8.
124. A.G.C. 19259. Innes 14^a 12, magnitudes, 7.1 and 9.2. The companion is A.G.C. 19260, magn. 10, which follows 0^a.4, south 3". This is probably too faint to appear on the photograph.
125. The lines are wide and ill-defined.
126. H.R. 5362. Innes 14^a 23, magnitudes, 6.6 and 9.5, colors, yellow and blue. No peculiarity is seen, and the companion is probably too faint to appear on the photographs.
127. A.G.C. 19403. This spectrum resembles that of θ^1 Microscopii, H.R. 8151, and ι Phoenicis, H.R. 8949, in the intensities of the strontium line, 4077.9, and the silicon lines, 4128.5 and 4131.4.
128. A.G.C. 19634, magn. 7.5.
129. A.G.C. 19695, magn. 7.5.
130. A.G.C. 19722, magn. 7.1.
131. H.R. 5450. α Lupi. Innes 14^b 56, magnitudes, 5.5 and 7.8, colors, yellow and blue. The companion is A.G.C. 19774, magn. 8.0, which follows 0^a.7, north 19". Plate B 37610 shows the strong hydrogen lines H η , H ζ , H ϵ , H δ , H γ and H β , of the fainter component, on the following edge of α Lupi. The spectrum of the fainter star is of some Class near A.
132. A.G.C. 19874, magn. 7.1. On Plate X 11971, taken May 7, 1908, H β appears to consist of an extremely faint bright line superposed on a wide, hazy, dark band. Additional photographs are needed to confirm this appearance. H δ and H γ are wholly dark.
133. A.G.C. 19896, magn. 8.0.
134. H.R. 5488. Innes 14^a 75.
135. A.G.C. 19950, magn. 8.2.
136. A.G.C. 19957, magn. 8.0.
137. A.G.C. 19976, magn. 8.2.
138. A.G.C. 19994, magn. 8.5.
139. A.G.C. 20017, magn. 8.5.
140. A.G.C. 20032, magn. 8.0.
141. H.R. 5523. μ Librae. This star was classified as A, from Plate C 15439. See H.A. 56, 91. Plate X 11687, however, shows that the spectrum is slightly peculiar, and similar to that of ι Phoenicis, H.R. 8949. 4077.9 is the strongest line, except the hydrogen lines, and the line K.
142. H.R. 5527. This star has not been found in any list of southern doubles, yet its spectrum is a good example of the composite type. It would be classified as G 0, except that the band K is not more than 0.4 as wide as the band H.
143. A.G.C. 20112. Innes 14^b 92, magnitudes, 8.4 and 8.6. No peculiarity is seen in this spectrum.
144. H.R. 5540. The variation in the light of this star, which was found at Cordoba, has never been confirmed by other observers. Roberts concluded that it is probably not variable, unless it is of the Algol type. Since no variable of the Algol type has yet been found to have a spectrum of Class K, it appears improbable that this star is variable.
145. A.G.C. 20164, magn. 8.0.
146. H.R. 5551. H β is a very faint, hazy, dark line. H γ and the helium lines are wide and hazy, and have the appearance generally presented by these lines in spectra of this type, in which H β is bright. No brightness has been seen, however, in the photographs of this star so far secured.
147. H.R. 5559. Innes 14^a 100, magnitudes, 6.0 and 7.2. No peculiarity is seen in this spectrum.
148. H.R. 5568. Innes 14^a 105, observed colors, yellow and orange. Magnitudes, 5.90 and 8.08. No peculiarity is seen in this spectrum.
149. A.G.C. 20251, magn. 7.5.
150. A.G.C. 20266, magn. 7.5.
151. A.G.C. 20270, magn. 7.2.
152. A.G.C. 20271, magn. 7.6.
153. A.G.C. 20369, magn. 7.5.
154. H.R. 5623. This spectrum has the strontium line, 4077.9, as strong as in ι Phoenicis, H.R. 8949, and resembles that spectrum, except that the line K appears to be less intense than in ι Phoenicis.
155. H.R. 5624. This spectrum is like that of α Doradus, H.R. 1465, described in H.A. 28, 186, Remark 145. The line K is sharply defined, and the two lines, 4128.5 and 4131.4, due to silicon, are the strongest lines except those due to hydrogen.
156. H.R. 5625. The lines are wide and hazy, and some are apparently double, on X 11172, the only photograph taken with the Boyden Telescope. If not a spectroscopic binary, this spectrum has unusually wide lines. This is not due to focus, for another spectrum nearer the edge of the plate shows well defined lines.
157. A.G.C. 20555, magn. 7.2.

158. H.R. 5644. This star varies in an irregular period. The range of variation found photographically is from magn. 8.2 to 10.0. The visual range, from the Harvard photometric catalogues, is 5.28 to 5.78.
159. A.G.C. 20663, magn. 7.2.
160. H.R. 5667. This spectrum is composite. The star is not found, however, among the known southern double stars. The spectrum is Class G0, except that the band K is hazy and has only about 0.5 the intensity of the band H.
161. A.G.C. 20756, magn. 7.5.
162. A.G.C. 20987. This spectrum resembles that of ξ Phoenixis, H.R. 183, which is described in H.A. 28, 187, Remark 173. The strontium lines, 4077.9 and 4215.7, are peculiarly strong in these spectra.
163. A.G.C. 21232. Innes 15^a 70, magnitudes, 7.0 and 8.5. No peculiarity is seen in this spectrum.
164. C.P.D. -54° 6651. T Normae. A variable star of long period. The spectrum is of the third type, having H δ and H γ bright.
165. H.R. 5851.2. Innes 15^a 80. No peculiarity is seen in the spectrum of this double star. Both components may have similar spectra.
166. H.R. 5898. Innes 15^a 91, magnitudes, 6.6 and 8.1. No peculiarity is seen in this spectrum.
167. H.R. 5900. Innes 15^a 92, magnitudes, 6.2 and 9.7, colors, yellow and blue. The strontium line, 4077.9, is well marked in this spectrum.
168. H.R. 5929. This star is not found among the known southern double stars. The spectrum is clearly composite. It would be classified as G0 or G5, except that the calcium band K is very faint.
169. A.G.C. 21688. H β is a well marked bright line superposed on a very faint, dark band. H γ is a narrow bright line superposed on a wide, hazy, dark band. The wide, dark bands, H δ and H γ , of the spectrum of C.P.D. -60° 6349, are superposed upon this spectrum. Owing to this superposed spectrum, the Orion lines in the spectrum of A.G.C. 21688 are not very clearly seen.
170. A.G.C. 21844, magn. 8.0.
171. A.G.C. 21867, magn. 7.5.
172. H.R. 6006. Innes 16^a 5. No peculiarity is seen in this spectrum.
173. A.G.C. 21894, magn. 7.2.
174. A.G.C. 21912, magn. 7.5.
175. A.G.C. 22006, magn. 7.4.
176. A.G.C. 22003, magn. 7.2.
177. H.R. 6059. Innes 16^a 19, magnitudes, 7.6 and 7.6. No peculiarity is seen in this spectrum, except that the lines are a little hazy.
178. A.G.C. 22021, magn. 7.5.
179. H.R. 6062. S Normae. This is a variable star, with a period of 9^d.7525, whose light curve resembles that of δ Cephei. The spectrum has narrow lines, and also resembles the spectrum of δ Cephei.
180. A.G.C. 22053, magn. 7.8.
181. H.R. 6071. λ Normae. Innes 16^a 23, magnitudes, 6.0 and 6.8. No peculiarity is seen in this spectrum.
182. A.G.C. 22095, magn. 8.8.
183. A.G.C. 22172, magn. 8.2.
184. H.R. 6105.6. Innes 16^a 35. The line H δ is distinctly double. Other lines appear hazy, and the spectra of the two components are probably alike.
185. A.G.C. 22239. Innes 16^a 37, magnitudes, 7.4 and 8.5.
186. A.G.C. 22326, magn. 7.5.
187. H.R. 6142. This spectrum is nearly like that of ζ' Scorpii, H.R. 6262, described in H.A. 28, 177, Remark 43. The line H β is not bright, however, in this spectrum, as it is in ζ' Scorpii. The lines are sharp. Others spectra, in which the intensities of the lines are the same, are those of κ Scorpii, H.R. 6334, and A.G.C. 22297. They resemble the spectra of θ Arae and ϵ Canis Majoris, but are not exactly like them.
188. A.G.C. 22329, magn. 8.0.
189. H.R. 6155. Line 4096.9 is more intense than in typical stars of Class B0, and in the region of H δ , the spectrum resembles τ Canis Majoris, H.R. 2782, Class Oe 5. This spectrum is similar to that of A.G.C. 16505.
190. H.R. 6187. Innes 16^a 61. A multiple star. The two brighter components, A and B, are given in Table I. The lines are not sharply defined, but the additional hydrogen lines, 4200.7, 4542.4, and 4685.4, are certainly seen. The line 4685.4 is especially characteristic of spectra of Class Oe 5.
191. H.R. 6188. This spectrum resembles that of θ Arae, H.R. 6743, described in H.A. 28, 177, Remark 39.
192. A.G.C. 22561, magn. 7.4.
193. A.G.C. 22649, magn. 7.2.
194. A.G.C. 22845, magn. 7.5.
195. H.R. 6274. H β is a very faint and hazy, dark line, and resembles the dark portion of the complex line in stars of this type, having H β bright. All the lines are very wide, and some have the appearance of being double. Additional photographs would perhaps show H β to be bright in this spectrum.
196. H.R. 6291. Innes 16^a 90, magnitudes, 6.3 and 6.5. The lines are somewhat wide, and all are very faint except the line K and the hydrogen lines.
197. A.G.C. 22956, magn. 7.2.
198. H.R. 6298. Innes 16^a 93, magnitudes, 7.4, and 7.4. No peculiarity is seen in this spectrum.
199. A.G.C. 22952, magn. 7.5.
200. A.G.C. 23073. This spectrum is more nearly like that of ζ Puppis than any other spectrum so far examined. H β is not clearly seen, but this may be due to the faintness of the object. No lines are seen except the hydrogen lines H ϵ , H δ , and H γ , the additional hydrogen lines, 4026.0, 4200.7, 4542.4, the bright bands, 4633 and 4688, and two very faint helium lines, 4387.8, and 4471.8.
201. H.R. 6381. Innes 17^a 11, magnitudes, 6.2 and 6.8. The lines are slightly wide in this spectrum.
202. H.R. 6397. H β is a very faint, bright line super-

- posed on a hazy dark band. All the other lines are dark, wide, and indistinct.
203. A.G.C. 23339, magn. 7.3.
204. A.G.C. 23390. Innes 17^a 29, magnitudes, 7.4 and 8.0.
205. H.R. 6416. Innes 17^b 31, magnitudes, 5.6 and 8.4; brighter component yellow. No peculiarity is seen in this spectrum.
206. H.R. 6424.5. α Ophiuchi. Innes 17^b 34, yellow and blue. No peculiarity is seen in this spectrum.
207. H.R. 6426. Innes 17^a 35. A ternary system; magnitudes, 6.1, 8.1, and 10.0. No peculiarity is seen in this spectrum.
208. A.G.C. 23416. A portion of this spectrum is photographed on the edge of a plate taken for H.R. 6416. The spectrum resembles that of A.G.C. 15305, which is described in H.A. 28, 146. The wide bright band, 4633, is the most conspicuous portion of the spectrum. Faint, bright bands, correspond to H γ , 4471.8, H γ' , H δ , and 4922.1.
209. A.G.C. 23432, magn. 7.2.
210. A.G.C. 23483, magn. 8.0.
211. H.R. 6451. H γ and H δ are bright, and are superposed on wide, dark bands. H δ is wide, and a narrow central bright line is suspected to be present. The helium lines are wide and hazy.
212. A.G.C. 23533, magn. 7.2.
213. H.R. 6477. Innes 17^a 52, magnitudes, 5.6 and 6.9. The fainter component is A.G.C. 23592, magn. 7.8, which follows 0^h.36, south 0^m.1. No trace of the spectrum of this star is seen.
214. A.G.C. 23611, magn. 7.4. H δ is bright, with extremely faint, dark edges. H γ is very wide and hazy, with a faint, central, bright line. The helium lines are faint and hazy.
215. H.R. 6516. Innes 17^a 69, magnitudes, 6.0 and 6.4, both yellow. No peculiarity is seen in this spectrum.
216. H.R. 6535. The lines are very wide and almost double on all the plates examined.
217. A.G.C. 24175, magn. 7.5.
218. H.R. 6658. Innes 17^b 101, magnitudes, 6.2 and 6.8. No peculiarity is seen in this spectrum.
219. A.G.C. 24327. This spectrum appears nearly continuous, on Plate X 10991. A few absorption lines appear to be present, but they are too faint to be identified. The adjacent star, A.G.C. 24340, shows strong dark lines. On Plate B 9828, the dark line, H δ , is well marked in the spectrum of A.G.C. 24327 and H γ is faintly seen. It is probable that line, 4096.9, is present and joined to H δ , and that the spectrum is of Class Oe 5 or B 0. See Remark 88.
220. H.R. 6693.4. Innes 17^a 115, orange and blue. The region of H δ is nearly like that in spectra of Class Ma.
221. A.G.C. 24374, magn. 8.0.
222. A.G.C. 24491, magn. 8.0.
223. A.G.C. 24509. Region of the Trifid Nebula. A.G.C. 24508, magn. 8.7, precedes 0^h.52, south 9^m.4.
- The image is somewhat hazy. Besides the hydrogen lines from He to H δ , the additional hydrogen lines 4026.0, 4542.4 and 4685.4 are seen, and the helium line, 4471.8. It is interesting to note that six other spectra near A.G.C. 24509, on plate X 11709, are all of Class B 0, which is closely allied to class Oe 5.
224. A.G.C. 24553, magn. 8.2.
225. A.G.C. 24566, magn. 6.8.
226. A.G.C. 24791, magn. 7.2.
227. S.D. - 19^h4928, magn. 8.2.
228. A.G.C. 24906, magn. 7.4.
229. S.D. - 18^h4900, magn. 8.2.
230. A.G.C. 24968, magn. 7.2. The strontium lines, 4077.9 and 4215.7, are well marked, and the spectrum resembles that of δ Normae.
231. A.G.C. 25034, magn. 7.8.
232. A.G.C. 25192, magn. 7.8.
233. A.G.C. 25206, magn. 7.8.
234. A.G.C. 25224, magn. 7.9.
235. A.G.C. 25209, magn. 7.2.
236. A.G.C. 25215, magn. 7.5.
237. A.G.C. 25234, magn. 7.5.
238. H.R. 6936. Innes 18^a 59, triple; magnitudes, 6.3, 6.3, and 11.3. No peculiarity is seen in this spectrum.
239. H.R. 6952.3. Innes 18^a 61. The two spectra are well separated in declination. The fainter and northerly component also has a spectrum of the first type, but no lines can be detected as belonging to this spectrum except those of hydrogen.
240. A.G.C. 25459, magn. 8.0.
241. A.G.C. 25550, magn. 7.8.
242. H.R. 7027. Innes 18^a 75, magnitudes, 6.4 and 8.4.
243. H.R. 7031. This star has not been found in any list of southern doubles. The spectrum is, however, certainly composite. It would be classified as G 0, except that the band K is very faint and hazy, and has not more than 0.3 of the width of the band H. The spectrum of A.G.C. 25573 is well separated from that of H.R. 7031, and could not cause this appearance of the K band.
244. A.G.C. 25732. Innes 18^a 86, comes = 9.0. The fainter component is A.G.C. 25733, magn. 8, which follows 0^h.93, south 0^m.1. The lines are broad, and several of the helium lines appear double on the only photograph secured with the 13-inch Telescope. The spectrum appears near the edge of the plate.
245. A.G.C. 25812, magn. 7.1.
246. A.G.C. 25905, magn. 7.4. This spectrum is composite. It is Class G 0, except that the band K is only about 0.6 as wide as the band H. This is not a known double.
247. H.R. 7169.70. Innes 18^a 97. The spectrum of H.R. 7169 appears slightly separated on the preceding edge of H.R. 7170, and is of the first type, but as only the dark hydrogen lines are seen, the exact class can not be determined.
248. A.G.C. 26034, magn. 7.8.
249. A.G.C. 26147, magn. 7.3.

250. A.G.C. 26275, magn. 7.5.
251. H.R. 7278. Innes 19^h 5, magnitudes, 5.8 and 7.8. The lines in the spectrum are not sharply defined, but this may be due to the quality of the photograph.
252. A.G.C. 26382, magn. 7.2.
253. A.G.C. 26675, magn. 7.4.
254. A.G.C. 26784, magn. 7.2.
255. A.G.C. 26849, magn. 7.2.
256. H.R. 7461. Innes 19^h 44, magnitudes, 7.4 and 7.5. No peculiarity is seen in this spectrum.
257. A.G.C. 27509, magn. 7.3.
258. H.R. 7548,9. Innes 19^h 64, yellow and greenish. The spectra are partly superposed, but they are sufficiently separated for the two classes to be determined.
259. H.R. 7668. Innes 19^h 78, magnitudes, 6.8 and 8.8. No peculiarity is seen in this spectrum.
260. A.G.C. 27509, magn. 7.2.
261. H.R. 7787. κ^2 Sagittarii. Innes 20^h 32, magnitudes, 5.9 and 7.9. No peculiarity is seen in this spectrum.
262. H.R. 7829,30. These spectra are partly superposed.
263. H.R. 7864. μ^2 Octantis. Innes 20^h 52, both yellow. No peculiarity is seen in this spectrum.
264. H.R. 7959,60. Innes 20^h 72, both white. No peculiarity is seen in this spectrum.
265. H.R. 8050. Innes 20^h 94, magnitudes, 7.0 and 8.0. No peculiarity is seen in this spectrum.
266. A.G.C. 28878, magn. 7.4.
267. H.R. 8145. T Indi. Photometric magnitude, 6.16, given in H.A. 50, 180. The Harvard photographs show that this star varies irregularly.
268. A.G.C. 29210. C.P.D. -83° 715, magn. 6.9, precedes 59^s, and is probably in error by that amount.
269. H.R. 8202. Innes 21^h 28, magnitudes, 5.8 and 7.9. The spectrum resembles that of δ Normae.
270. H.R. 8280. Innes 21^h 45, magnitudes, 5.6 and 7.7, both yellow. The spectrum is composite. It would be classified as G 0 or G 5, except that the band K is only about 0.7 as wide as the band H.
271. H.R. 8323. Innes 21^h 55. Magnitudes, 5.70 and 8.66. No trace of the fainter component is seen.
272. H.R. 8386. η Piscis Australis. Innes 21^h 73, magnitudes, 6.1 and 6.5. The lines are broad.
273. H.R. 8480. Innes 22^h 12, magnitudes, 5.7, and 7.7, colors, orange and blue. No peculiarity is seen in this spectrum.
274. H.R. 8544,5. Innes 22^h 23. No peculiarity is seen in this spectrum.
275. H.R. 8547. The lines are wide and hazy.
276. A.G.C. 31161,2. These spectra are superposed.
277. H.R. 8793. Innes 23^h 4, both yellow. No peculiarity is seen in this spectrum.
278. A.G.C. 31453, magn. 7.2.
279. A.G.C. 31611, magn. 7.5.
280. H.R. 8877. Innes 23^h 25, magnitudes, 6.3 and 7.5. The fainter component is A.G.C. 31628, which precedes 0^s.74, south 15^{''}.3, photometric magnitude, 8.87. On X 11096, a narrow edge of the fainter component is seen on the preceding side of the image, but it is too faint to be classified. On B 8420, the spectrum is composite. The hydrogen lines H δ , H γ and H β are rather narrow, and the line K is narrower than H and less intense than in normal spectra having the hydrogen lines of this intensity. It thus appears that H.R. 8877 has a spectrum of Class F 0, and its companion, a spectrum of some Class near A.
281. H.R. 8895. Innes 23^h 28. The two spectra are partly superposed, but the separation is sufficient for both spectra to be classified.
282. A.G.C. 31761, magn. 7.3.
283. H.R. 9049,50. These spectra are superposed. In the spectrum of H.R. 9049, the helium lines, 4387.8 and 4471.8, are of the same intensity as in typical spectra of Class B 3. In H.R. 9050, which is also of the first type, only the dark hydrogen lines are seen.
284. A.G.C. 32284, magn. 6.9.
285. A.G.C. 32324, magn. 7.1. The class of spectrum of this star is given incorrectly as A 2 in H.A. 28, 217. The star really intended in that volume was A.G.C. 32307, H.R. 9060.

Table II gives the additional plate numbers for all stars whose spectra were examined on more than three photographs.

For the sake of convenience, additional tables are appended, in which stars contained in Table I, and showing the same peculiarities, are grouped together. Table III gives a list of the stars in whose spectra the additional hydrogen lines at wave lengths 4026.4, 4200.7, 4524.4 and 4685.4 are present. The form of this Table is similar to that of Table I, except that the last two columns are omitted.

TABLE II.

ADDITIONAL PLATE NUMBERS.

H.R.	A.G.C.	Plate Numbers.	H.R.	A.G.C.	Plate Numbers.
6	32446	X 11424	6894	25095	X 11593
24	56	C 17563, C 17570	6908	25137	X 12103
34	91	C 17563, C 17570	6942	25274	X 11286, X 12049
3932	13563	X 12424	7031	25572	X 12087
4017	13942	X 12312	7046	25642	X 12731
4355	15365	X 12381	7105	25806	X 12163, X 12177
4384	15504	X 11935, X 12317, X 12381	7114	25849	X 12735, X 12750
4401	15588	X 11935	7197	26044	X 12057
4735	16957	X 12370	7281	26311	X 11546, X 11594
4739	16962	X 12503	7289	26355	X 11594
4874	17473	X 12525	7329	26462	X 11580
4951	17844	X 11910	..	26484	X 11580
5119	18498	X 11566, X 11573, X 11576	7363	26601	X 11735, X 11777
5140	18586	X 11915	7370	26593	X 11274, X 11280, X 11580
5242	18931	X 12003	..	26717	X 12533
5303	19197	X 12085	7416	26741	X 12443, X 12533
5377	19437	X 12091	7461	26875	X 12497
5444	19746	X 11520, X 11570, X 11584	7507	27053	X 12007
5450	19773	X 11520, X 11570, X 11584	7537	27115	X 12606, X 12709, X12727, X12786
5457	19823	X 11520, X 11584	7631	27363	X 12720
..	19842	X 11520, X 11584	7785	27836	X 12223
5545	20104	X 12539	7812	27956	X 12223
5558	20203	X 12702, X 12760	7846	28141	X 12764
5660	20651	X 12000	7933	28444	X 12574, X 12668
5667	20672	X 11561, X 11585	7971	28565	X 12498
5806	21176	C 17709	8042	28791	X 12178, X 12224
5988	21816	C 17712	..	28797	X 12178, X 12224
5998	21856	C 17674	8104	29075	X 12131
6003	21871	C 17674, C 17712	8172	29306	C 17823
6024	21921	X 11273, X 11315	8236	29495	X 12572, X 12604, X 12723
6029	21948	C 17729	8367	30004	X 11318
6071	22082	X 12511	8379	30054	X 11302, X 11318
6077	22108	X 12335	8408	30190	X 12728, X 12771, C 17518
6106	22222	X 12785	8563	30670	X 12776
6122	22285	X 12518	8616	30855	X 12746, X 12778
6405	23358	X 12025, X 12048, X 12081	8700	31133	X 12762
6426	23422	X 12081	..	31161	X 12225, X 12679, X 12762
6440	23455	X 12742	8722	31196	X 12225, X 12647, X 12679, X12762
6693	24407	X 11716	8835	31523	X 12175
6748	24601	X 12593	9081	32365	X 11424

TABLE III.

STARS SHOWING THE ADDITIONAL LINES OF HYDROGEN.

H.R.	Constellation.	Desig.	DM.	A.G.C.	R.A. 1900.		Dec. 1900.		Magn.	Class.	Rem.
					<i>h.</i>	<i>m.</i>	<i>°</i>	<i>'</i>			
. .	Centaurus	—	4431	19259	14	7.7	—61	14	6.52	Oe 5	124
. .	Ara	—		22533	16	33.9	—48	34	7.12	Oe 5	190
6187	Ara	—	11070	22534	16	33.9	—48	34	5.90		
. .	Scorpius	—	11206	23073	16	57.2	—37	42	6.73	Od	200
. .	Ara	—	11392	23416	17	12.1	—45	32	7.22	Oa	208
6535	Scorpius	—	12935	23811	17	28.1	—32	31	5.71	Oe 5	216
. .	Sagittarius	—	13804	24509	17	56.3	—23	1	6.91	Oe 5	223
. .	Sagittarius	—	13864	24587	17	59.0	—24	24	6.79	Oe 5	. .
6841	Sagittarius	—	4886	24916	18	11.6	—18	30	6.37	Oe 5	. .
. .	Sagittarius	—	5344	25943	18	52.3	—20	33	6.73	Oe 5	. .

A list of all the stars in Table I, whose spectra are of the Orion type, and having one or more bright hydrogen lines, is given in Table IV. The first six columns, and the twelfth are taken from Table I. The seventh column gives the class to which the spectrum would belong if all the lines were dark. The next four columns give the estimated brightness of the hydrogen lines, $H\epsilon$, $H\delta$, $H\gamma$, and $H\beta$, assuming bright $H\beta$ in the spectrum of μ Centauri to be 10.

TABLE IV.

STARS OF THE ORION TYPE HAVING BRIGHT HYDROGEN LINES.

H.R.	Constellation.	Desig.	R. A. 1900.		Dec. 1900.	Magn.	Class.	H ϵ .	H δ .	H γ .	H β .	Rem.	
			<i>h.</i>	<i>m.</i>	<i>°</i>	<i>'</i>							
2492	Canis Major	10	6	40.7	—30	58	5.16	B 3	0	0	0	3	23
. .	Carina	—	10	24.9	—62	40	6.72	B 3	0	0	0	2	69
4830	Crux	—	12	36.9	—62	30	6.00	B 1	0	0	0	1	100
. .	Triang. Australis	—	15	55.2	—60	13	6.97	B 3	0	0	1	3	169
6397	Scorpius	—	17	8.7	—33	26	5.50	B 3	0	0	0	2	202
6451	Ara	—	17	15.8	—47	23	5.50	B 3	0	1	2	5	211
. . .	Ara	—	17	20.5	—46	57	R	B 2	0	0	1	3	214

A list of the stars in Table I, whose spectra are of the composite type, is given in Table V. The first eight columns, and the eleventh column, are taken from Table I. The ninth and tenth columns give the probable class of spectrum of the brighter and fainter components, respectively. None

of these spectra show any separation of the two components. Six are known doubles. The spectra are all similar, and, in general, may be described as being of the second type with lines $H\delta$ and $H\gamma$ intensified and the band K fainter than normal, but having different intensities in the various spectra.

TABLE V.

STARS WHOSE SPECTRA ARE OF THE COMPOSITE TYPE.

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.	Dec. 1900.	Magn.	Bright.	Faint	Rem.
					<i>h.</i> <i>m.</i>	<i>°</i> <i>'</i>				
1219	Eridanus	—	1128	4368	3 50.9	—40 40	5.61	G	A 2	12
1771	Lepus	—	3023	6177	5 17.7	—24 52	5.45	G	A 3	19
. .	Lepus	—		6178	5 17.7	—24 52	6.67			
2388	Columba	—	2947	7992	6 27.7	—35 11	5.76	G	A 3	21
3386	Vela	—	1517	11522	8 29.3	—52 52	5.77	G 5	A	46
4417	Centaurus	—	4567	15651	11 22.2	—52 36	5.91	G	A 2	75
4492	Musca	—	1685	15937	11 34.8	—64 50	5.08	G	A	82
4615	Musca	—		16534	12 1.2	—65 9	6.18			
. .	Musca	—	1788	16535	12 1.2	—65 9	7.92	G	A 3	92
5527	Circinus	—	3436	20087	14 44.5	—63 23	5.78	G 5	A 2	142
5667	Lupus	—	9682	20672	15 9.5	—41 8	5.20	G 5	A 3	160
5929	Lupus	—	10611	21595	15 50.8	—35 53	5.95	G	A 2	168
7031	Corona Aust.	—	12864	25572	18 38.0	—39 48	5.48	G 5	A 2	243
. .	Pavo	—	7218	25905	18 51.2	—60 20	R	G 5	A 5	246
8280	Octans	λ	722	29624	21 35.6	—83 11	5.38	K	A 5	270

Table VI gives a list of the stars in Table I whose spectra are of Class A 0, but having the two silicon lines, 4128.5 and 4131.4, stronger than in typical spectra.

Table VII gives a list of the stars in Table I, in whose spectra the two strontium lines, 4077.9 and 4215.7, are stronger than in typical spectra.

For convenience of reference, Table VIII gives a list of stars whose spectra show narrow lines, and which are contained mainly in H.A. 28, and H.A. 56, Nos. 4 and 5. The first discussion of these spectra was made by Miss A. C. Maury in H.A. 28, Part I, where a general description of them may be found on page 5, special descriptions of individual spectra on pages 18 to 36, and a table of wavelengths on pages 77 to 82. Miss Maury assigned the letter *c* to those spectra having narrow, well defined, hydrogen and helium lines, or unusually intense metallic lines, some of which do not appear

to correspond with any lines in the solar spectrum. Spectra in which these peculiarities appear in a less marked degree were called *ac*.

TABLE VI.

STARS OF CLASS A0 IN WHOSE SPECTRA, LINES 4128.5 AND 4131.4 ARE STRONG.

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.		Dec. 1900.		Magn.	Rem.
					<i>h.</i>	<i>m.</i>	<i>°</i>	<i>'</i>		
. .	Puppis	—	3980	10666	7	59.2	—44	23	6.58	37
. .	Vela	—	2664	13171	9	34.7	—53	46	. .	60
. .	Centaurus	—	5397	17597	12	51.1	—54	3	6.67	37
4965	Centaurus	—	7329	17913	13	5.0	—52	2	6.29	37
5049	Musca	—	1838	18227	13	18.6	—70	6	5.84	37
5355	Virgo	—	3789	19362	14	13.1	—18	15	5.74	37
. .	Lupus	—	9337	19842	14	33.7	—45	22	6.69	37
. .	Apus	—	894	19955	14	40.0	—76	45	6.51	37
5619	Lupus	—	11960	20484	15	0.5	—30	32	6.01	37
5624	Lupus	—	9305	20509	15	1.7	—40	12	6.01	155
6204	Triang. Aust.	—	3009	22582	16	36.6	—66	55	5.30	37
7230	Sagittarius	—	5223	26136	18	59.9	—15	49	5.90	37
7416	Telescopium	—	13296	26741	19	26.1	—45	29	5.87	37
7552	Sagittarius	—	13514	27165	19	45.0	—40	7	5.39	37
8033	Capricornus	20	5982	28753	20	53.9	—19	26	6.23	37
. .	Grus	—	14090	31502	23	7.9	—49	41	8.38	37
8919	Tucana	—	4891	31773	23	23.3	—63	40	5.74	37

TABLE VII.

STARS IN WHOSE SPECTRA, LINES 4077.9 AND 4215.7 ARE STRONG.

H.R.	Constellation.	Desig.	DM.	A.G.C.	R. A. 1900.		Dec. 1900.		Magn.	Sp.	Rem.
					<i>h.</i>	<i>m.</i>	<i>°</i>	<i>'</i>			
4327	Centaurus	—	6343	15224	11	2.7	—42	6	5.34	A 2	72
5008	Centaurus	—	8165	18064	13	11.4	—43	27	5.87	A 3	108
5303	Apus	η	706	19197	14	5.7	—80	32	4.97	A 2	122
. .	Circinus	—	2519	19403	14	15.5	—66	11	6.70	A 2	127
5523	Libra	$\mu 7$	3986	20088	14	43.8	—13	44	5.38	A 2	141
5623	Circinus	—	3518	20486	15	1.1	—63	16	6.38	A 0	154
. .	Libra	—	4093	20987	15	23.9	—17	5	7.23	F	162
5900	Norma	—	6428	21499	15	47.2	—59	53	6.04	A 3	167
. .	Scorpius	—	11513	22296	16	22.1	—25	14	6.85	A 2	72
. .	Ara	—	3377	22839	16	48.5	—65	3	6.60	A 3	108
. .	Corona Aust.	—	12466	24968	18	13.8	—43	50	. .	A 3	230
8202	Microscopium	—	14539	29368	21	20.6	—42	59	5.61	A 3	269
. .	Grus	—	14697	30570	22	18.7	—39	38	6.86	A 2	72

The first seven columns of Table VIII are taken from H.A. 50 and give respectively, the H.R. number, constellation, designation, Durchmusterung number, right ascension for 1900, declination for 1900, and magnitude. The eighth column gives the class to which the spectrum shows the nearest resemblance, not considering small peculiarities. The notation of Part I of H.A. 28 was, in general, translated into that of Part II by means of the Table XV, given on page 145 of that volume. The ninth column gives the division, *c*, or *ac*, to which the spectrum belongs.

TABLE VIII.

STARS WHOSE SPECTRA HAVE NARROW LINES.

H.R.	Constellation.	Desig.	DM.	R.A. 1900.		Dec. 1900.		Magn.	Class.	Div.
				<i>h.</i>	<i>m.</i>	<i>°</i>	<i>'</i>			
27	Andromeda	22	17	0	5.1	+45	31	5.08	F 0	<i>ac</i>
127	Tucana	β^2	50	0	27.0	-63	31	4.48	A 2	<i>ac</i>
424	Ursa Minor	α 1	8	1	22.6	+88	46	2.12	F 8	<i>ac</i>
685	Perseus	ι 9	598	2	15.3	+55	23	5.22	A 2	<i>ac</i>
1017	Perseus	α 33	917	3	17.2	+49	30	1.90	F 5	<i>ac</i>
1035	Camelopardalis	—	660	3	21.0	+59	36	4.42	B 9	<i>c</i>
1040	Camelopardalis	—	607	3	21.9	+58	32	4.76	B 9	<i>c</i>
1135	Perseus	ν 41	815	3	38.4	+42	16	3.93	F 5	<i>ac</i>
1603	Camelopardalis	10	856	4	54.5	+60	18	4.22	G 0	<i>ac</i>
1605	Auriga	ϵ 7	1166	4	54.8	+43	40	var.	F 5	<i>c</i>
1713	Orion	β 19	1063	5	9.7	- 8	19	0.34	B 8	<i>c</i>
1740	Auriga	19	1013	5	13.4	+33	52	5.16	A 5	<i>c</i>
1865	Lepus	α 11	1166	5	28.3	-17	54	2.69	F 2	<i>ac</i>
1922	Dorado	β	487	5	32.8	-62	33	3.81	F 5	<i>ac</i>
2135	Orion	χ^2 62	1233	5	58.0	+20	8	4.71	B 2	<i>c</i>
2310	Monoceros	T	1273	6	19.8	+ 7	8	var.	G 0	<i>ac</i>
2385	Monoceros	13	1337	6	27.5	+ 7	24	4.50	A 0	<i>c</i>
2618	Canis Major	ϵ 21	3666	6	54.7	-28	50	1.63	B 1	<i>ac</i>
2650	Gemini	ζ 43	1687	6	58.2	+20	43	var.	G 0	<i>ac</i>
2653	Canis Major	σ^2 24	4797	6	58.8	-23	41	3.12	B 5	<i>c</i>
2693	Canis Major	δ 25	3916	7	4.3	-26	14	1.98	F 8	<i>c</i>
2803	Volans	δ	730	7	16.9	-67	46	4.02	F 5	<i>ac</i>
2827	Canis Major	η 31	4328	7	20.1	-29	6	2.43	B 5	<i>c</i>
2874	Puppis	—	1897	7	25.6	-22	49	4.80	A 3	<i>ac</i>
2957	Puppis	—	3091	7	35.5	-48	22	5.65	F 5	<i>ac</i>
2996	Puppis	ι 3	4774	7	39.8	-28	43	4.10	A 2	<i>c</i>
3102	Puppis	j 11	2087	7	52.6	-22	37	4.35	F 8	<i>ac</i>
3232	Vela	—	3902	8	8.9	-46	20	5.68	F 8	<i>ac</i>
3291	Puppis	—	5988	8	18.6	-26	1	5.86	F 0	<i>ac</i>

H.R.	Constellation.	Desig.	DM.	R.A. 1900.		Dec. 1900.		Magn.	Class.	Div.
				<i>h.</i>	<i>m.</i>	<i>°</i>	<i>'</i>			
3445	Vela	b	4438	8	37.3	-46	18	4.06	F 5	<i>c</i>
3487	Vela	a	4517	8	42.6	-45	40	4.09	A 0	<i>ac</i>
3494	Vela	—	4526	8	43.1	-45	32	5.54	B 5	<i>c</i>
3496	Vela	—	4541	8	43.9	-45	48	5.83	F 0	<i>ac</i>
3708	Vela	—	3693	9	15.4	-51	8	5.87	B 8	<i>c</i>
3712	Carina	—	918	9	15.9	-68	16	5.44	F 2	<i>ac</i>
3739	Vela	—	3767	9	20.6	-51	18	6.14	F 0	<i>ac</i>
3795	Chamaeleon	<i>ι</i>	350	9	27.5	-80	22	5.44	F 2	<i>ac</i>
3888	Ursa Major	<i>v</i> 29	1268	9	43.9	+59	31	3.89	F 2	<i>ac</i>
3975	Leo	<i>η</i> 30	2171	10	1.9	+17	15	3.58	A 0	<i>c</i>
4110	Carina	—	3256	10	23.7	-57	8	4.94	F 5	<i>c</i>
4169	Carina	—	2411	10	33.6	-58	13	5.57	A 2	<i>ac</i>
4198	Carina	—	2581	10	38.9	-58	42	5.44	B 3	<i>c</i>
4210	Carina	<i>η</i>	2620	10	41.2	-59	10	var.	Pec.	<i>c</i>
4228	Carina	—	2720	10	44.2	-59	24	6.12	A 2	<i>ac</i>
4250	Carina	—	3947	10	48.4	-56	43	5.57	B 8	<i>c</i>
4276	Carina	U	2888	10	53.7	-59	12	var.	G 0	<i>ac</i>
4337	Carina	x	3189	11	4.4	-58	26	4.02	F 8	<i>c</i>
	Carina	—	3216	11	5.4	-58	18	R	F 8	<i>ac</i>
4352	Carina	y	3190	11	8.3	-59	46	4.73	F 5	<i>c</i>
4438	Centaurus	—	3011	11	26.6	-60	43	6.36	A 2	<i>c</i>
4441	Centaurus	<i>ο</i> ¹	3692	11	27.1	-58	43	4.96	F 8	<i>c</i>
4442	Centaurus	<i>ο</i> ²	3693	11	27.1	-58	58	5.26	A 2	<i>c</i>
4511	Centaurus	—	2559	11	38.8	-61	56	5.18	F 8	<i>ac</i>
4541	Centaurus	—	2677	11	45.5	-62	5	5.65	A 2	<i>ac</i>
4563	Centaurus	—	2408	11	50.0	-62	43	6.05	A 2	<i>ac</i>
4578	Crux	—	2073	11	53.7	-63	47	5.66	A 2	<i>ac</i>
4645	Musca	S	1646	12	7.4	-69	36	var.	F 8	<i>ac</i>
	Crux	T	3100	12	15.9	-61	44	var.	G 0	<i>ac</i>
	Crux	R	3938	12	18.1	-61	4	var.	F 5	<i>ac</i>
4768	Crux	—	4344	12	26.1	-58	52	5.44	F 8	<i>ac</i>
5260	Centaurus	<i>ν</i> ²	9040	13	55.4	-45	7	4.39	F 5	<i>ac</i>
5379	Circinus	—	2574	14	16.8	-67	44	5.71	A 2	<i>ac</i>
5621	Triang. Aust.	—	2725	15	0.6	-66	42	5.80	F 8	<i>ac</i>
6058	Norma	<i>γ</i> ¹	10474	16	9.6	-49	49	5.00	F 8	<i>ac</i>
6062	Norma	S	7821	16	10.6	-57	39	var.	G 0	<i>ac</i>
6161	Draco	A 15	850	16	28.2	+68	59	4.98	B 8	<i>ac</i>
6262	Scorpius	<i>ζ</i> ¹	11633	16	47.0	-42	12	4.88	B 1	<i>c</i>
6615	Scorpius	<i>ι</i> ¹	11838	17	40.6	-40	5	3.14	F 5	<i>c</i>
6616	Sagittarius	X 3	11930	17	41.3	-27	48	var.	F 8	<i>ac</i>
6631	Scorpius	<i>ι</i> ²	11886	17	43.1	-40	4	4.88	A 2	<i>c</i>
6707	Hercules	<i>ν</i> 94	3093	17	54.7	+30	11	4.48	F 0	<i>ac</i>
6714	Ophiuchus	67	3458	17	55.6	+ 2	56	3.92	B 5	<i>c</i>
6742	Sagittarius	W	14447	17	58.6	-29	35	var.	F 5	<i>ac</i>
6743	Ara	<i>θ</i>	11720	17	58.8	-50	6	3.90	B 1	<i>ac</i>

H.R.	Constellation.	Desig.	DM.	R.A. 1900.		Dec. 1900.		Magn.	Class.	Div.
				<i>h.</i>	<i>m.</i>	<i>°</i>	<i>'</i>			
6812	Sagittarius	μ 13	4908	18	7.8	-21	5	4.01	B 8	<i>c</i>
6822	Sagittarius	15	5054	18	9.3	-20	46	5.42	B 0	<i>ac</i>
6978	Draco	d 45	2113	18	30.9	+56	58	4.95	F 8	<i>c</i>
7107	Pavo	κ	3603	18	46.6	-67	21	var.	F 5	<i>ac</i>
7264	Sagittarius	π 41	5275	19	3.8	-21	11	3.02	F 2	<i>ac.</i>
7570	Aquila	η 55	4337	19	47.4	+ 0	45	var.	G 0	<i>ac</i>
7770	Cygnus	35	3967	20	14.8	+34	40	5.18	F 5	<i>c</i>
7796	Cygnus	γ 37	4159	20	18.6	+39	56	2.32	F 8	<i>c</i>
7834	Cygnus	41	4057	20	25.3	+30	2	4.09	F 5	<i>ac</i>
7924	Cygnus	α 50	3541	20	38.0	+44	55	1.33	A 2	<i>c</i>
8020	Cygnus	—	3111	20	52.4	+47	2	5.76	B 8	<i>c</i>
8143	Cygnus	σ 67	4431	21	13.5	+38	59	4.28	A 0	<i>c</i>
8334	Cepheus	ν 10	2288	21	42.6	+60	40	4.46	A 2	<i>c</i>
8414	Aquarius	α 34	4246	22	0.6	- 0	48	3.19	G 0	<i>ac</i>
8541	Lacerta	4	3715	22	20.4	+48	58	4.64	B 8	<i>c</i>
8571	Cepheus	δ 27	2548	22	25.4	+57	54	var.	G 0	<i>ac</i>
9045	Cassiopeia	ρ 7	3111	23	49.4	+56	57	4.85	F 8	<i>c</i>

REMARKS.

- H.R. 4210. η Carinae. This spectrum consists of a very peculiar combination of dark and bright lines, which are described on page 175 of H.A. 28. The dark lines are narrow and their intensities are similar to those in the spectra of ϵ Aurigae and ι^1 Scorpii. C.P.D. — 58° 3216, magn. 7.7. The intensities appear to be the same as in the adjacent star, α Carinae, but the lines are wider. It is not certain, however, whether this is real, or is due to poor definition.
- H.R. 4276. U Carinae. This is star No. 534 in H.A. 28, 205. For spectrum F in that volume, read G0. C.P.D. — 61° 3100. T Crucis. In H.A. 55, 16, for spectrum K5, read G0.
- C.P.D. — 60° 3938. R Crucis. In H.A. 55, 16, for spectrum K5, read F5.

ERRATA IN H.A. 56, No. 4.

In the description of the spectra of Classes Oe, B, and B 1, on pages 66 and 67 of this volume, lines 4089.2 and 4096.9 are attributed to argon. These lines belong to Lockyer's Group IV of silicon. Lunt, however, questions the silicon origin of line 4096.9 and considers that its origin is at present unknown. See A.P.J. 22, 256.

Page 82. H.R. 2224. For declination, +4°, read -4°.

Page 92. H.R. 5895. For declination +2°, read -2°.