MERIDIANBEOBACHTUNGEN

VON 304 B- UND M-STERNEN

VON

JOHANNES BRAAE

D. KGL. DANSKE VIDENSK. SELSK. SKRIFTER, 7. RÆKKE, NATURV. OG MATHEMATISK AFD. XI. 3

KØBENHAVN

HOVEDKOMMISSIONÆR: ANDR. FRED. HØST & SØN, KGL. HOF-BOGHANDEL

BIANCO LUNOS BOGTRYKKERI

1914

In der Zeit von März 1912 bis März 1913 habe ich am Pistor-Martinschen Meridiankreis der Kopenhagener Sternwarte (188 cm Brennweite, 12.2 cm Öffnung) 1257 Rektaszensions- und 1196 Deklinationsbestimmungen ausgeführt. Das Programm setzte sich aus 88 B- und 216 M-Sternen zusammen, die nicht in Boss' Preliminary general catalogue vorkommen. Die Liste ist der Kopenhagener Sternwarte von Herrn Professor E. C. Pickering gütigst zur Verfügung gestellt worden.

Die Beobachtungen sind unter strengem Anschluss an das System des Berliner Jahrbuchs reduziert worden. Die Rektaszensionen sind über 11 Fäden mit Hilfe des Peyer-Favargerschen Farbschreibechronographen und der Rieflerschen Uhr der Sternwarte, die Deklinationen durch Bisektion, beide Koordinaten gleichzeitig und mit möglichst gleichmässiger Verteilung der beiden Kreislagen, beobachtet worden. Die angewandte Vergrösserung ist gleich 130. Die Mikroskopablesungen sind alle von mir selbst ausgeführt worden. Beim Ablesen der Chronographenstreifen und bei der Reduktion wurde ich von der Rechnerin der Sternwarte, Frl. Esthrid Egede Nielsen wesentlich unterstützt. Seit Jan. 1913 geschahen die Streifenablesungen an dem neu angeschafften, ausgezeichnet funktionnierenden, Oppolzerschen Ableseapparat von Favarger & Co. in Neuchâtel. Über die sonstige Anordnung der Beobachtungen und der Reduktionsarbeit vergl. Publikationer og mindre Meddelelser fra Københavns Observatorium No. 3 und No. 10 (A. N. 4514, 4574). Der mittlere Fehler einer Einzelposition beträgt $0^s.036 \sec\delta$ in R.A. und $0''.66$ in Dekl.

Die Berechnung der Präzession auf 1925.0 habe ich mit Hilfe der Ristenpartschen Tafeln ausgeführt; die Präzessionen sind durch die auf 1875.0 bezogenen Werte der Präzessionsglieder 1ster, 2ter und 3tter Ordnung kontrolliert worden, die für die Bestimmung der Eigenbewegungen der Programmsterne im Rechenbureau der Sternwarte von Herrn Magister Fischer-Petersen gerechnet sind. Die Präzessionen werden im Zusammenhang mit den Eigenbewegungen in einer folgenden Abhandlung veröffentlicht werden.

Die A.N. 4574 veröffentlichten Positionen von B-Sternen sind in die folgende Zusammenstellung mit aufgenommen worden. — Mit Rücksicht auf die Fälle, wo

der aus den Einzelpositionen gebildete Mittelwert anscheinend in der letzten Stelle nicht stimmt, sei bemerkt, dass ich bei den Reduktionsrechnungen immer den von Thiele vorgeschlagenen, einer halben Einheit der letzten Stelle entsprechenden, Punkt angewandt, diesen Punkt aber beim Druck der Einzelpositionen nicht angegeben habe.

In der folgenden Zusammenstellung gibt die 1ste Kolumne die laufende Nummer, die zweite die B.D.-Nummer des Sterns, die 3tte und 4te die Grössenklasse (nach der Pickeringschen Liste) und das Spektrum, die 5te—10te die Position für 1912.0, die Zahl der Einzelbeobachtungen und die Beobachtungsepoche für Rektaszension, bezw. Deklination, die 11te—12te die Einzelpositionen[1]). In der zweiten Abteilung folgen dann die auf 1925.0 reduzierten Koordinaten.

[1]) Die mit Kreis Ost ausgeführten Beobachtungen sind durch einen * bezeichnet.

Kopenhagen, Universitäts-Sternwarte, Nov. 1913.

Johannes Braae.

No.	B.D.	Mg.	Sp.	α 1912.0	n	Ep. 1900+	δ 1912.0	n	Ep. 1900+	Einzelwerte α	Einzelwerte δ
				h m s			° ′ ″			s	″
1	— 0° 6	7.3	M	0 4 21.76	6	12.86	+ 0 12 8.9	7	12.86	21.80,82,75*,70,70,79	9.0* 6.4 11.5 8.8* 9.7 8.6 8.4
2	+ 36 12	6.6	B_3	0 8 15.68	7	12.61	+ 37 12 15.2	7	12.61	15.76*,64*,66*,66*,70*,68,69	14.4* 14.8* 15.6* 14.9* 15.4* 16.0 15.6
3	+ 37 58	var.	Md	0 19 22.85	4	12.93	+ 38 5 23.0	4	12.93	22.85*,77,88,90	24.2* 24.4 21.6 21.9
4	+ 23 126	6.4	Ma	0 50 31.95	2	12.90	+ 24 4 50.4	3	12.86	32.01,88	50.8 50.5 49.9
5	+ 52 262	6.3	M	1 1 54.97	3	12.74	+ 53 1 39.0	4	12.75	54.94*,96*,01	39.6* 39.5* 39.0 37.7
6	+ 14 175	6.4	M	1 5 31.42	1	12.77	+ 15 12 19.5	1	12.77		
7	+ 27 196	6.6	Ma	1 9 14.60	4	12.75	+ 28 3 53.3	4	12.75	14.57*,55*,61,66	53.3* 52.3* 53.7 54.0
8	+ 42 288	6.6	B	1 17 4.30	6	12.65	+ 43 7 25.8	6	12.65	4.30,34*,28*,36,27*,29*	26.4* 26.4* 25.3* 25.5 25.9* 25.6*
9	+ 19 226	6.0	M	1 18 39.52	3	12.88	+ 20 0 34.6	4	12.86	39.54,50,52,	33.4 36.2 33.4 35.4
10	+ 50 282	8.6	M	1 23 13.84	6	12.83	+ 51 13 25.0	6	12.83	13.88*,89*,76,92*,84*,74	25.4* 25.8* 23.4 26.1* 25.5* 23.6
11	+ 34 265	6.3	B	1 27 6.31	6	12.62	+ 34 20 48.6	5	12.78	6.31*,24*,30*,33,36,32*	49.0* 47.7* 48.9 49.5 48.2*
12	+ 44 354	6.5	Ma	1 37 54.78	2	12.88	+ 44 52 43.6	2	12.88	54.78,78	45.1 42.0
13	+ 49 445	7.8	M	1 38 16.86	4	12.83	+ 50 10 13.9	4	12.87	16.88*,78,91*,88	14.6* 14.2* 13.4* 13.4
15	+ 69 123	8.0	M	1 49 28.48	2	12.74	+ 69 46 20.4	2	12.74	28.52*,44	20.7* 20.0
14	+ 8 292	7.0	M	1 49 43.36	3	12.87	+ 8 20 53.4	3	12.87	43.38,39*,31	53.4 53.7* 53.2
16	+ 27 310	6.0	Ma	1 52 42.64	1	12.97	+ 27 22 33.8	1	12.97		
17	+ 54 444	7.9	M	1 57 14.80	4	12.83	+ 54 48 30.4	4	12.83	14.86*,70,84*,78	30.8* 29.6 30.6* 30.4
18	+ 12 271	6.3	Mb	1 57 50.77	2	12.87	+ 13 3 9.7	2	12.87	50.78,76	9.9 9.6
19	+ 7 324	6.7	Mb	2 1 33.34	2	12.94	+ 7 49 41.1	2	12.94	33.33*,35	41.3* 40.8

No.	B.D.	Mg.	Sp.	α 1912.0	n	Ep. 1900+	δ 1912.0	n	Ep. 1900+	Einzelwerte α	Einzelwerte δ
				h m s			° ′ ″			s	″
20	+ 25° 349	6.0	B_8	2 1 49.73	2	12.84	+ 25 17 5.6	2	12.84	49.75,71	5.6 5.6
21	+ 65 241	8.7	M	2 7 57.68	1	12.76	+ 66 5 15.3	1	12.76		
22	+ 43 461[a]	var.	Md	2 11 59.34	4	12.93	+ 43 53 50.6	4	12.93	59.43*,33*,32,30	52.2* 51.0* 50.5 48.9
23	— 0 361[a]	var.	M	2 21 32.34	3	12.92	— 0 34 30.5	3	12.92	32.35*,45*,21	31.0* 31.2* 29.3
24	+ 33 470	var.	Md	2 31 42.10	3	12.75	+ 33 52 53.6	3	12.75	42.09*,05,14	53.5* 54.0 53.2
25	+ 11 365	7.3	M	2 32 59.32	2	12.92	+ 11 53 16.0	2	12.92	59.32*,31	16.6* 15.3
26	+ 2 406	7.2	M	2 34 1.88	2	12.99	+ 3 3 45.9	2	12.99	1.90*,88	45.7* 46.2
27	+ 5 377	8.0	M	2 36 29.62	2	12.92	+ 5 41 41.6	2	12.92	29.62,62*	41.6 41.5*
28	+ 44 591	7.8	M	2 45 54.10	4	12.87	+ 44 41 48.0	4	12.87	54.08*,11*,10*,08	48.7* 48.4* 47.8* 47.1
29	+ 15 397	8.3	M	2 46 58.74	2	12.92	+ 16 8 9.9	2	12.92	58.74,74	9.6 10.1
30	+ 19 432	6.8	M	2 49 17.37	1	13.08	+ 20 12 27.5	1	13.08		
31	+ 3 410	6.3	Mb	2 52 27.86	4	12.88	+ 4 8 46.1	4	12.88	27.86,87*,89*,84	45.4 46.4* 45.6* 47.0
32	— 1 419	7.5	M	2 52 41.28	2	13.08	— 0 55 44.5	2	13.08	41.27,30*	43.8 45.2*
33	+ 37 675	5.9	B	2 54 37.21	3	12.86	+ 37 46 55.2	3	12.86	37.24*,22,18*	55.5* 55.5 54.6*
34	— 3 478	6.8	M	2 56 24.82	5	12.89	— 3 13 39.1	5	12.89	24.84,81*,82*,81,79	39.8 38.6* 39.9* 39.3 38.0
35	+ 41 631	6.0	B	3 6 20.56	5	12.84	+ 42 2 38.6	5	12.84	20.52,56,56*,62*,56*	38.7 39.0 38.6* 38.9* 38.1*
36	+ 28 526	7.0	B	3 19 29.08	3	12.87	+ 28 20 33.2	3	12.87	29.05,10*,11	34.5 33.0* 32.1
37	+ 71 201	6.5	M	3 21 10.56	1	12.76	+ 71 33 30.2	1	12.76		
38	— 0 546	7.3	M	3 22 18.85	3	13.04	— 0 16 52.6	3	13.04	18.80,86,89*	52.4 52.0 53.3*
39	+ 43 732	7.2	B	3 22 35.30	1	13.08	+ 43 26 52.6	2	13.09		52.5 52.7*
40	+ 47 846	6.8	B_8	3 25 20.52	5	12.84	+ 47 33 44.0	5	12.84	20.46,49,55*,54*,52	44.3 43.2 44.6* 43.6* 44.2
41	+ 44 734	6.3	B	3 26 36.36	1	13.08	+ 44 33 25.1	2	13.09		25.1 25.1*
42	+ 46 773	6.8	B_8	3 29 47.06	3	12.87	+ 46 47 52.9	3	12.87	47.03,03,12	53.9 53.3 51.6
43	+ 18 507	7.0	M	3 30 15.96	4	12.91	+ 18 36 38.4	4	12.91	15.99*,94*,94,95	38.7* 38.3* 38.1 38.6
44	+ 14 598	8.8	M	3 37 16.70	4	12.97	+ 14 30 38.9	3	12.90	16.68,75*,66,73*	37.2* 40.2* 39.2*
45	+ 53 698	8.0	M	3 39 23.40	1	12.76	+ 53 37 44.1	2	12.93		44.2 44.0*

46	+ 33	717	6.4	B_8	3 42 17.57	3	13.04	+ 33 19 40.1	3	13.04	17.58,61,52*	40.4 39.4 40.4*
47	+ 23	563	6.1	B_8	3 44 30.05	4	12.90	+ 23 26 39.8	5	12.94	30.06,00*,06,08*	38.8 40.0* 41.0 39.0* 39.8*
48	+ 1	685	7.4	M	3 53 48.54	4	12.97	+ 1 11 36.7	5	13.00	48.56,48,58*,50*	37.0 38.6 36.3* 36.4* 35.2*
49	+ 9	543	6.5	M	4 3 53.58	4	13.04	+ 9 52 1.2	4	13.04	53 [1]).46*,62,58*,60*	2.3*[1]) 1.3 0.8* 1.0* [1]) Gew. ½
50	+ 15	630	8.7	M	4 23 18.56	3	12.86	+ 16 6 20.9	3	12.86	18.56,61*,52	19.4 21.5* 21.8
51	+ 16	625	7.0	M	4 29 58.40	4	12.90	+ 17 1 7.9	4	12.90	58.41,44*,36,36	7.4 8.2* 8.4 7.6
52	+ 40	1032	6.1	B_8	4 38 7.28	5	13.14	+ 40 37 18.7	6	13.11	7.28*,33*,26*,28,25	18.7* 18.6* 19.0* 18.3* 17.9 19.5
53	+ 0	834	7.3	B	4 40 11.06	6	12.94	+ 0 24 21.4	6	12.94	11.08,11*,08*,05,06,00*	22.1 21.0* 20.4* 22.3 21.7 21.0*
54	+ 51	980	8.5	M	4 44 11.68	3	13.15	+ 52 5 6.8	4	13.14	11.77*,66,62	7.4* 7.0* 6.1 6.6
55	+ 51	996	8.0	B	4 48 43.88	3	13.15	+ 51 41 31.0	4	13.14	44.00*,80,82	31.9* 31.3* 30.6 30.3
56	+ 35	930	6.2	Bsp	4 50 27.49	2	12.96	+ 36 1 41.5	2	12.96	27.46,52	41.8 41.2
57	+ 1	886	6.2	B_5	4 57 26.56	4	12.90	+ 1 28 51.8	4	12.90	26.54,61*,55,58	50.9 50.9* 53.8 51.7
58	+ 46	979	7.6	B	5 7 16.32	4	12.94	+ 46 52 18.0	4	12.94	16.28,38*,27,36*	18.4 17.5* 17.2 18.7*
59	— 0	890	7.0	M	5 10 7.70	4	13.10	— 0 39 50.8	5	13.10	7.66,69*,73*,72	49.2 51.7* 51.6* 50.4* 51.2
60	+ 33	1002	6.1	B_9	5 12 31.40	6	12.96	+ 33 40 23.8	6	12.96	31.38,40*,39*,38,42*,38	23.5 23.1* 23.5* 24.6 24.1* 24.2
61	— 1	859	6.4	B_8	5 15 7.79	6	13.06	— 1 30 9.5	7	13.06	7.80,77,79,78*,75*,84*	8.4 8.4 7.8 10.9* 10.8* 10.6* 9.6
62	+ 3	857	6.4	B_3	5 16 40.86	4	12.94	+ 3 55 30.2	4	12.94	40.89,84*,81,90	29.6 31.0* 30.0 30.2
63	+ 2	947	6.3	B_3	5 20 0.98	3	13.05	+ 2 16 23.0	3	13.05	0.94,02,00*	23.0 23.5 22.5*
64	+ 0	1056	6.0	B	5 21 15.64	4	13.13	+ 0 26 32.9	4	13.13	15.61*,66*,64*,64	32.8* 32.7* 33.1* 33.0
65	+ 3	903	6.6	B	5 22 30.12	4	12.86	+ 3 46 50.0	4	12.86	30.17,10*,10*,08	48.2 50.5* 50.0* 51.4
66	— 2	1250	6.6	B	5 22 33.64	2	13.16	— 2 26 8.0	2	13.16	33.58,68	8.0 8.1
67	— 7	1092	6.5	B	5 25 9.86	4	13.03	— 7 19 49.0	4	13.03	9.84,79,93,86*	48.0 48.4 49.0 50.7*
68	— 7	1099	6.2	B	5 26 5.62	4	13.13	— 7 30 9.0	5	13.12	5.64*,68*,62*,55	10.3* 9.4* 8.8* 8.4* 8.2
69	— 1	939	6.5	B_3	5 28 40.47	2	13.16	— 1 46 44.6	2	13.16	40.46,48	44.4 44.8
70	— 1	949	6.2	B_3	5 29 35.62	3	12.89	— 1 5 43.4	3	12.89	35.62*,59*,64	42.8* 44.4* 42.8
71	— 4	1171	8.0	B	5 30 11.28	3	13.12	— 4 32 46.8	3	13.12	11.28*,32*,23*	45.8* 47.3* 47.3*
72	— 4	1179	8.0	B	5 30 43.97	1	13.01	— 4 47 21.1	1	13.01		
73	— 4	1183	6.5	B	5 31 0.72	1	13.15	— 4 34 4.0	1	13.15		

No.	B.D.	Mg.	Sp.	α 1912.0	n	Ep. 1900+	δ 1912.0	n	Ep. 1900+	Einzelwerte α	Einzelwerte δ
				h m s			° ′ ″			s	″
74	— 4° 1190	7.1	B	5 31 44.88	1	13.08	— 4° 28′ 53.″2	1	13.08		
75	— 4 1196	6.3	B_1	5 33 32.82	2	12.98	— 4 51 56.2	2	12.98	32.87,78	55.″6 57.″0
76	— 1 987	6.7	B	5 33 45.80	3	12.89	— 1 13 13.7	3	12.89	45.91*,72*,77	14.0* 13.8* 13.4
77	— 6 1275	5.9	B	5 34 21.05	2	13.16	— 6 37 26.2	2	13.16	21.02,08*	26.1 26.4
78	+ 31 1049	6.7	Ma	5 34 58.73	2	13.08	+ 31 52 23.4	2	13.08	58.78,68*	22.8 23.9*
79	+ 2 1040	6.6	B	5 37 42.43	3	13.12	+ 2 19 27.3	3	13.12	42.42*,46*,41*	27.6* 27.3* 27.1*
80	+ 23 1015	6.1	B	5 37 58.86	4	12.96	+ 23 9 48.4	4	12.96	58.90*,82*,90,80	48.7* 48.3* 48.4 47.9
81	+ 18 950	7.5	M	5 40 1.45	6	13.08	+ 18 40 2.8	6	13.08	1.51,41 46 41*,47,45	3.7 4.1 2.6 1.5* 2.4 2.2
82	+ 3 1041	7.5	M	5 43 36.88	5	13.00	+ 3 52 14.1	5	13.00	36.98*,88*,82,84,88	13.9* 14.0* 16.2 12.5 13.8
83	+ 32 1109	6.4	Ma	5 45 41.58	4	13.04	+ 32 6 0.8	4	13.04	41.59,56,60 58*	1.0 2.2 58.9 0.9*
84	+ 33 1179	6.4	Ma	5 46 50.58	6	13.14	+ 33 53 43.2	6	13.14	50.58*,60*,59*,56,54,58	43.0* 42.4* 43.0* 42.7 43.8 44.3
85	+ 3 1071	6.3	M	5 49 38.37	3	12.89	+ 3 12 34.6	3	12.89	38.38*,33*,40	34.8* 35.1* 33.8
86	— 1 1059	8.2	M	5 49 54.34	5	13.06	— 1 5 35.8	5	13.06	54.34,34,33,28*,38	35.6 36.4 35.4 35.4* 36.5
87	— 4 1281	6.4	B	5 50 12.62	5	13.14	— 4 4 51.1	5	13.14	12.64*,57*,59*,66,61	52.5* 49.8* 51.3* 51.5 50.5
88	+ 18 1040	7.5	M	5 53 44.24	5	13.14	+ 18 48 45.8	4	13.14	44.24*,28*,20*,24,25	46.1* 44.7* 46.2 46.0
89	— 1 1081	8.4	M	5 54 28.53	5	13.06	— 1 7 4.2	5	13.06	28.58,50,61,40*,55	2.9 4.2 4.2 5.2* 4.2
91	+ 29 1112	6.3	Ma	6 0 45.38	6	13.12	+ 29 31 12.3	6	13.12	45.42,38*,43*,36,35,38	12.5 12.2* 11.4* 12.4 12.9 12.2
90	+ 0 1270	7.0	M	6 0 50.98	5	13.00	+ 0 37 11.6	5	13.00	50.98*,96,99,02*,95*	10.7* 13.4 12.1 11.5* 10.5*
92	+ 18 1129	6.2	B	6 8 23.05	6	12.97	+ 18 42 15.7	6	12.97	23.01*,00*,11,12,00,06	15.0* 15.6* 14.8 16.7 16.4 15.7
93	+ 4 1181	6.4	B	6 11 7.78	6	13.11	+ 4 18 45.0	6	13.11	7.77,76*,82*,80*,74*,82	44.7 45.0* 44.7* 45.7* 45.6* 44.0
94	+ 29 1170	6.9	B	6 13 0.11	7	13.00	+ 29 48 58.4	7	13.00	0.16*,09*,11,10,14,12,04	58.0* 58.2* 57.6 59.2 57.8 59.0 59.0
95	+ 3 1218	7.8	M	6 18 17.40	5	13.09	+ 3 48 17.2	5	13.09	17.38*,36*,49,37,43	17.8* 17.2* 17.0 17.2 16.9
96	+ 3 1221	6.2	B_3	6 18 40.28	5	13.04	+ 3 48 34.5	5	13.04	40.27,27,34,19*,30*	36.2 34.6 35.3 33.6* 32.8*
97	— 4 1510	6.0	B_3	6 22 13.41	2	13.18	— 4 32 41.4	2	13.18	13.41,40	40.9 41.9
98	+ 11 1193	6.4	B	6 24 6.99	4	12.91	+ 11 4 35.2	5	12.93	6.98*,06*,91,00	34.6* 35.4* 35.2 34.8 35.9
99	+ 2 1253	6.4	Ma	6 24 38.92	4	13.11	+ 2 42 15.9	4	13.11	38.86*,93*,94*,94	14.3* 17.0* 16.8* 15.5

100	+ 4 1414	5.8	B	6 39 0.13	4	12.92	+ 4 1 14.2	4	12.92	0.12*,10*,13,18	15.5* 14.0* 13.1 14.3
101	+ 1 1531	6.1	B	6 44 31.12	4	12.92	+ 1 6 5.8	4	12.92	31.08*,20*,07,11	4.3* 5.0* 7.7 6.1
102	+ 17 1479	6.2	M	6 57 18.48	2	12.22	+ 17 55 17.2	2	12.22	18.48*,48*	17.4* 17.1
103	+ 16 1363	6.0	M	6 57 28.80	3	13.16	+ 16 48 5.4	3	13.16	28.82*,78,81	5.8* 5.3 5.0
104	— 3 1804	6.1	Ma	7 9 48.11	3	13.16	— 3 45 0.8	3	13.16	48.14*,08,11	0.7* 1.3 0.4
105	— 10 1933	6.0	B_1	7 10 17.94	1	13.23	— 10 10 1.3	1	13.23		
106	+ 22 1620	7.2	M	7 10 18.08	3	13.01	+ 22 7 13.2	3	13.01	18.07*,09,09	12.6* 14.4 12.6
107	+ 8 1712	6.0	M	7 10 53.06	6	13.13	+ 8 7 54.0	6	13.13	53.00*,10*,08*,99*,10,08	54.4* 54.2* 54.9* 53.8* 53.6 52.8
108	+ 3 1649	6.8	B	7 16 6.24	5	13.06	+ 3 44 46.5	5	13.06	6.23*,27,20*,24,24	45.3* 47.6 46.9* 46.2 46.4
109	+ 15 1564	6.4	B	7 19 26.48	5	13.16	+ 15 41 19.5	5	13.16	26.39*,52,48,47,54	19.0* 18.3 19.0 21.3 19.8
110	— 9 2069	6.6	B	7 24 23.18	5	13.13	— 9 51 47.4	5	13.13	23.18*,20*,16*,14,24	48.4* 47.0* 47.4* 47.8 46.2
111	— 4 1979	6.4	Ma	7 26 30.56	3	13.21	— 5 2 29.2	3	13.21	30.56,62,50	28.6 29.0 29.8
112	+ 8 1800	var.	M	7 27 56.70	2	13.13	+ 8 30 23.4	2	13.13	56.75*,66	23.2* 23.7
113	+ 3 1724	8.0	M	7 30 16.25	2	12.94	+ 3 32 5.9	2	12.94	16.26*,24	5.0* 6.8
114	+ 13 1737	6.1	M	7 36 55.86	5	12.96	+ 13 41 12.5	5	12.96	55.84*,90*,89,85,81*	12.2* 12.4* 13.6 13.0 11.4*
115	— 10 2171	8.6	M	7 38 7.70	2	13.17	— 10 40 19.9	2	13.17	7.70*,71	21.2* 18.6
116	+ 3 1824	6.6	Mb	7 47 30.33	8	13.05	+ 3 30 18.0	8	13.05	30.36*,40*,32,30,24*,33,34,36	16.7* 17.1* 19.0 19.1 16.8* 18.4 18.8 17.8
117	+ 43 1754	7.0	B	7 52 26.38	5	13.02	+ 43 44 26.4	5	13.02	26.40*,40,38,41*,34	26.4* 25.2 26.6 27.3* 26.6
118	+ 13 1811	6.2	Ma	7 54 40.40	5	12.61	+ 13 28 55.7	5	12.61	40.38*,46*,39*,46,32	57,1* 55.9* 55.2* 55.3 55.2
119	— 2 2379	6.2	B	7 56 18.68	5	13.14	— 2 38 23.0	5	13.14	18.70*,70*,68*,66,69	22.6* 22.7* 23.7* 23.2 22.9
120	+ 33 1636	6.6	B	7 58 31.82	4	13.01	+ 33 16 41.8	4	13.01	31.86*,82,80,80	40.8* 41.2 42.2 42.9
121	+ 17 1778	7.5	M	8 4 59.76	8	12.73	+ 17 16 31.9	8	12.73	59.85*,81*,76*,70*,73,74,74,76	31.9* 30.8* 31.6* 31.6* 33.0 32.4 31.8 32.1
122	+ 9 1927	7.1	B_5	8 13 37.15	4	13.02	+ 9 25 30.7	4	13.02	37.12*,14,14,20	31.6* 31.5 29.3 30.4
123	+ 2 1948	7.5	M	8 17 37.26	5	12.51	+ 2 25 58.0	6	12.59	37.25*,31*,23*,32*,20	58.4* 56.7* 57.6* 57.5* 59.7 58.1
124	— 7 2452	6.1	Ma	8 18 36.24	6	13.12	— 7 15 38.4	6	13.12	36.20*,30*,26*,18,24,24	40.8* 38.0* 38.0* 38.6 37.9 37.5
125	+ 13 1995	8.2	M	8 43 54.75	6	13.15	+ 12 55 17.5	6	13.15	54.55*,78*,76*,82,77,83	17.6* 18.4* 17.7* 16.5 17.5 17.4
126	+ 3 2035	var.	M	8 48 58.72	5	13.18	+ 3 24 4.4	5	13.18	58.69*,73,73,74,69	4.2* 4.8 4.9 4.3 4.0

No.	B.D.	Mg.	Sp.	α 1912.0	n	Ep. 1900+	δ 1912.0	n	Ep. 1900+	Einzelwerte α	Einzelwerte δ
				h m s			° ′ ″			s	″
127	+ 39° 2193	7.0	M	8 58 10.00	8	12.74	+ 39 5 26.4	7	12.82	10.00*,90*,05*,14*,97,96,99,00	26.1* 27.1* 26.2* 26.0 27.0 25.9 26.6
128	+ 2 2145	6.8	M	9 2 27.28	7	13.12	+ 1 48 59.4	7	13.12	27.23*,38*,24*,31*,28,22,30	60.4* 58.8* 60.0* 59.6* 58.8 59.5 59.1
129	+ 31 1946	var.	M	9 5 20.00	6	12.67	+ 31 19 19.8	6	12.67	19.93*,93*,06*,00,02,03	19.5* 18.7* 19.6 20.7 19.4 20.8
130	+ 57 1214	6.0	M	9 15 16.20	4	13.16	+ 57 4 21.8	4	13.16	16.24*,19,19,17	22.8* 22.1 21.4 21.0
131	+ 0 2499	7.5	M	9 16 5.75	5	12.49	+ 0 33 18.8	4	12.54	5.77*,72*,74,74*,78	18.8* 19.7 17.1* 19.4
132	+ 6 2224	6.3	Ma	9 49 5.75	6	12.78	+ 6 22 23.2	6	12.78	5.67*,83*,70,74,77,79	23.8* 21.8* 24.0* 23.8 23.6 22.3
133	+ 10 2116	7.5	M	10 4 51.62	8	12.67	+ 10 1 28.6	7	12.71	51.51*,60*,69*,71*,62*,58,57,67	28.7* 26.9* 29.0* 28.1 29.2 29.1 29.0
134	+ 42 2108	6.8	M	10 12 1.44	10	12.68	+ 41 54 25.2	7	12.85	1.35*,44*,47*,50*,48*,44*,44,40 .49,45	25.4* 24.5* 24.8* 25.3 25.0 25.8 25.3
135	+ 34 2124	7.4	M	10 19 18.31	10	12.68	+ 34 37 20.8	8	12.77	18.20*,31*,29*,38*,37*,28*,36,29* .36,26	20.6* 19.9* 20.3* 19.9 21.4 20.6* 21.3 22.5
136	— 3 2929	6.1	B	10 24 16.40	5	13.13	— 3 17 31.0	5	13.13	16.41*,37*,40,42,40	31.6* 31.6* 30.5 30.7 30.8
137	+ 42 2131	7.1	M	10 29 58.42	6	12.49	+ 42 21 49.8	3	12.71	58.46*,40*,44*,40*,38*,40	50.6* 49.8* 48.8
138	— 12 3218	5.4	M	10 33 12.54	5	12.81	— 12 55 34.6	4	12.67	12.52*,54*,54,55,56	34.8* 34.3 33.8 35.2
139	+ 43 2045	7.5	M	10 41 48.15	5	12.61	+ 43 29 23.3	2	13.08	48.17*,15*,22*,14,10	23.0 23.6
140	+ 38 2179	6.9	B	10 43 24.16	5	13.13	+ 38 2 5.3	5	13.13	24.16*,18*,14,20,14	5.3* 4.8* 5.8 4.4 6.1
141	— 1 2446	6.2	M	10 44 11.42	4	12.27	— 1 29 40.4	3	12.25	11.32*,49*,41*,46*	40.2* 40.4* 40.5*
142	+ 70 641	7.1	M	10 53 0.89	3	12.30	+ 70 27 35.2	2	12.30	0.83*,85*,00*	35.6* 34.9*
143	+ 37 2162	5.9	M	11 4 28.98	5	12.82	+ 36 47 12.0	4	12.85	28.97*,02*,07*,90,94	12.0* 11.7* 11.6 12.6
144	+ 43 2083	6.0	Mb	11 4 43.18	4	13.10	+ 43 41 5.6	4	13.10	43.16*,17*,20,19	5.8* 5.6* 5.2 5.8
145	+ 9 2494	7.0	M	11 21 44.79	6	12.72	+ 9 8 37.6	5	12.81	44.87*,76*,81*,78*,76,76	38.4* 36.4* 38.2* 37.6 37.7
146	+ 37 2230	6.5	Mb	11 50 41.38	6	12.72	+ 37 14 50.0	5	12.81	41.39*,43*,41*,35*,32,37	50.2* 49.9* 50.2* 50.1 49.7
147	+ 20 2664	6.9	M	11 55 34.48	7	12.78	+ 19 54 36.0	6	12.86	34.56*,48*,48*,47*,45,43,46	35.3* 34.6* 37.6* 36.4 36.2 36.3
148	+ 69 641	8.2	M	12 1 7.70	3	12.30	+ 69 15 13.4	1	12.31	7.70*,71*,68*	
149	— 11 3238	6.7	B	12 2 17.04	4	13.15	— 11 45 1.8	4	13.15	17.06*,02,98,09	1.5* 2.0 1.0 2.5

150	+ 60 1406	var.	M	12 32 23.46	3	12.30	+ 59 58 17.6	2	12.31	23.39,49,51	17.6 17.6	
151	+ 61 1313	var.	M	12 40 5.76	3	12.30	+ 61 34 30.0	2	12.31	5.76,74,79	30.2 29.9	
152	+ 6 2664	var.	M	12 46 38.00	3	12.30	+ 6 1 54.7	4	12.34	38.00,03,96	55.4 54.4 54.6 54.3	
153	+ 47 2003	6.0	Mb	12 50 55.56	1	13.20	+ 47 40 24.9	1	13.20			
154	+ 12 2529	7.3	M	12 51 5.65	4	13.15	+ 11 58 23.4	4	13.15	5.68,58,63,72	24.4 22.6 24.1 22.4	
155	+ 38 2407	6.1	Ma	13 5 35.37	6	12.61	+ 37 53 30.6	6	12.65	35.34,46,34,34,36,38	30.4 30.5 30.2 30.9 30.5 31.0	
156	— 0 2668	7.3	M	13 8 14.63	8	12.64	— 1 17 27.1	3	13.16	14.73,68,66,62,66,60,56,56	27.4 26,9 27.0	
157	+ 37 2404	6.4	Ma	13 19 54.69	9	12.69	+ 37 29 35.2	8	12.80	54.74,72,76,64,64,66,70,66 .70	35.3 34.6 35.0 34.9 35.2 35.3 35.2 36.2	
158	— 6 3837	var.	M	13 28 24.30	3	13.15	— 6 44 32.6	3	13.15	24.35,23,32	33.0 32.4 31.4	
159	+ 9 2785	7.3	M	13 31 28.92	4	12.53	+ 8 44 31.5	4	12.55	28.90,91,96,91	31.9 31.1 32.2 30.9	
160	+ 25 2652	5.9	M	13 32 50.71	9	12.75	+ 25 3 42.6	4	13.15	50.79,70,69,71,71,76,68,67 .69	43.2 42.9 41.8 42.7	
161	+ 16 2564	4.2	M	13 45 14.00	9	12.75	+ 16 14 2.8	7	12.80	14.04,98,06,97,02,00,97,94 .07	2.6 1.9 3.2 3.8 2.5 2.6 2.9	
162	+ 41 2434	6.7	M	13 49 25.04	9	12.75	+ 40 46 18.2	7	12.80	25.09,97,08,08,04,04,06,00 .02	18.7 18.0 17.6 18.6 16.8 18.4 19.4	
163	+ 0 3118	7.5	M	13 55 14.51	7	12.57	+ 0 28 35.2	5	12.67	14.58,52,52,51,51,44,50	33.8 35.2 34.0 36.4 36.7	
164	+ 17 2702	6.9	M	14 2 17.98	9	12.75	+ 17 23 22.0	8	12.75	18.01 96,01,95,95,02,95,95 .97	22.5 21.2 22.2 20.9 22.7 22.2 21.8 22.2	
165	+ 4 2841	6.6	Mb	14 10 26.87	8	12.63	+ 3 44 47.4	7	12.68	26.94,84,88,88,90,86,84,83	47.0 47.2 47.4 46.6 47.8 48.1 48.0	
166	+ 26 2563	8.0	M	14 20 14.29	8	12.77	+ 26 6 13.0	8	12.77	14.35,30,28,26,26,30,29,28	12.6 12.8 12.4 12.8 12.0 13.0 12.9 15.2	
167	— 6 4025	7.8	M	14 28 42.27	4	12.96	— 6 32 54.0	3	13.18	42.34,25,22,28	55.1 54.2 53.0	
168	+ 27 2400	var.	M	14 33 18.78	5	12.33	+ 27 7			18.77,75,79,84,78		
169	+ 38 2578	7.0	M	14 36 28.45	8	12.65	+ 38 29 17.0	5	12.83	28.42,40,49,50,46,46,42,46	16.8 16.9 16.7 16.5 18.4	
170	— 0 2867	6.0	M	14 40 39.97	5	12.64	— 1 2 46.4	2	13.16	40.04,95,99,90,98	46.6 46.1	
171	+ 15 2758	6.0	M	14 41 57.16	4	12.57	+ 15 30 4.5	1	13.23	57.10,19,21,16		
172	+ 7 2865	7.5	M	14 51 2.27	5	12.64	+ 7 8 29.1	5	12.64	2.36,29,24,24,23	28.3 29.3 28.8 29.3 29.9	
173	+ 14 2812	7.0	M	14 54 6.68	5	12.33	+ 14 23 21.6	1	12.35	6.68,68,61,71,72		
174	+ 5 2954	6.2	M	14 54 59.47	3	13.17	+ 4 55 6.1	3	13.17	59.46,47,48	5.9 5.6 6.8	

No.	B.D.	Mg.	Sp.	α 1912.0	n	Ep. 1900+	δ 1912.0	n	Ep. 1900+	Einzelwerte α	Einzelwerte δ
				h m s			° ′ ″			s	″
175	+ 2°2915	7.1	M	15 2 40.21	8	12.65	+ 2 42 6.8	5	12.84	40.22*,26*,20*,24*,26,15,17,19	7.1* 5.6* 7.7 6.8 7.2
176	+ 66 890	6.5	M	15 7 1.64	5	12.33	+ 66 7 21.8	1	12.31	1.62*,58*,63*,68*,72	
177	— 1 3041	8.0	M	15 10 23.89	4	12.51	— 2 5 14.4	3	12.62	23.88*,97*,90*,82	14.4* 15.1* 13.8
178	+ 31 2725	var.	M	15 17 48.83	3	12.32	+ 31 40 59.7	3	12.34	48.80*,79*,90*	60.0* 59.3* 59.8*
179	+ 9 3031	7.5	M	15 19 44.15	7	12.65	+ 9 13 2.1	3	13.17	44.15*,16*,13*,19*,22,13,10	2.3 1.9 2.1
180	+ 24 2901	7.4	M	15 34 30.02	4	12.51	+ 24 48 34 3	4	12.52	30.02*,02*,04*,98	34.6* 36.0* 32.8 34.8
181	+ 47 2255	6.7	M	15 36 11.34	5	12.86	+ 47 12 43.8	3	13.20	11.40*,34,30,37,30	43.2 43.0 45.3
182	— 0 3011	7.5	M	15 44 21.22	8	12.65	— 0 43 54.6	5	12.84	21.26*,27*,16*,23*,29,14,18,18	55.7* 55.1* 54.5 54.0 53.4
183	+ 15 2918	var.	M	15 46 38.33	5	12.33	+ 15 22 59.3	1	12.39	38.35*,36*,29*,30,36	
184	+ 9 3153	7.5	M	16 4 22.08	1	13.16	+ 8 50 47.6	3	12.63		47.8* 47.1 47.9
185	+ 19 3072	6.8	M	16 8 57.70	3	12.58	+ 19 19 34.0	2	12.77	57.76*,69*,65	33.2 34.9
186	+ 19 3077	7.2	M	16 13 3.24	5	12.66	+ 19 3 46.0	2	13.20	3.25*,29*,22*,24,24	46.3 45.6
187	+ 3 3199	6.8	M	16 23 7.40	5	12.87	+ 3 4 3.7	5	12.87	7.33*,45,36,45,38	3.9* 3.2 4.2 3.4 3.8
188	+ 49 2530	7.3	M	16 36 8.45	3	12.66	+ 49 2 8.0	3	12.66	8.52*,43,39	9.0* 6.9 8.2
189	+ 42 2749	6.1	M	16 44 30.82	3	12.66	+ 42 23 42.0	4	12.60	30.86*,84,76	42.6* 39.9 42.0 43.4
190	+ 1 3408	5.8	B	17 12 3.82	3	12.42	+ 1 18 27.9	3	12.35	3.86*,91,68	28.1* 28.9 26.6
191	+ 2 3296	7.0	M	17 15 20.40	2	12.37	+ 2 14 43.8	1	12.48	20.41*,39	
192	+ 16 3163	6.6	Ma	17 17 37.92	4	12.45	+ 16 49 2.8	4	12.35	37.97*,90,92*,91	3.5* 2.8 2.2 2.5
193	+ 17 3241	6.3	M	17 21 59.38	4	12.44	+ 16 59 38.8	3	12.50	59.51*,36,29*,37*	38.4 38.2* 39.7*
194	+ 8 3418	7.3	M	17 23 30.87	5	12.47	+ 8 30 58.2	5	12.45	30.99*,93,84*,78,82	59.1* 58.0 59.5* 58.0 56.4
195	+ 19 3338	6.5	M	17 27 29.76	4	12.53	+ 19 35 18.4	4	12.53	29.78*,76,73,76	17.9 17.3* 19.4 19.1
196	+ 14 3279	6.7	M	17 29 43.18	4	12.44	+ 14 54 13.8	4	12.44	43.23*,18*,18*,15*	13 7* 12.4 14.9* 14.4*
197	— 2 4425	6.4	Ma	17 35 37.19	4	12.44	— 2 6 17.6	5	12.45	37.24*,30,10*,19*	17.9* 18.4 18.2 17.4* 16.2*
198	+ 31 3075	6.5	M	17 36 38.09	5	12.53	+ 31 14 54.1	5	12.53	38.11*,08*,10*,06,12	53.8* 53.7* 54.2* 54.2 54.7
199	+ 20 3578	7.2	M	17 45 48.16	2	12.37	+ 20 39 49.9	3	12.41	48.21*,12	50.7* 49.4 49.6

200	— 1 3413	7.8	M	17 47 48.98	3	12.53	— 1 24 31.7	3	12.53	48.96,99,99		31.1 31.4 32.6
201	+ 0 3820	8.7	M	17 52 50.59	2	12.54	+ 0 12 21.9	2	12.54	50.54,68* [1]	[1] Gewicht ½	22.1 21.6*
202	— 1 3426	8.4	M	17 53 12.36	3	12.53	— 1 45 20.0	3	12.53	12.38,31,39		19.9 19.8 20.5
203	+ 14 3387	7.3	M	17 57 6.34	2	12.54	+ 14 7 18.6	2	12.54	6.26,42*		18.5 18.8*
204	+ 19 3509	7.0	M	17 59 31.80	2	12.53	+ 19 33 10.2	2	12.53	31.86,74		10.4 10.1
205	+ 43 2890	8.0	M	18 4 8.64	3	12.53	+ 43 26 26.0	3	12.53	8.64,70,58		25.8 25.6 26.6
206	+ 2 3547	6.3	M	18 11 39.99	3	12.52	+ 2 20 54.4	4	12.48	39.94*,02*,01*		55.3 54.8 54.2* 53.3*
207	+ 23 3299	6.7	Ma	18 14 27.64	6	12.54	+ 23 15 45.2	5	12.54	27.63*,66,61,64,66*,62*		45.4 44.6 45.6 45.5* 44.6*
208	— 14 5099	5.8	M	18 27 41.83	3	12.53	— 14 55 47.4	4	12.52	41,84*,83,82		47.8 49.3* 46.0 46.4
209	+ 30 3227	6.4	B_8	18 30 2.16	6	12.53	+ 30 49 27.9	6	12.53	2.24*,12*,20*,18,07,16		29.1* 28.6* 27.8* 26.8 27.1 28.2
210	+ 8 3780	var.	Md	18 34 8.60	2	12.53	+ 8 45 23.2	2	12.53	8.60,60		22.6 23.8
211	+ 39 3476	6.5	M	18 35 12.12	3	12.51	+ 39 35 24.6	4	12.50	12.10*,18*,08*		25.3 24.6* 24.6* 23.8*
212	— 1 3544	8.2	M	18 37 56.66	4	12.54	— 1 23 29.5	4	12.54	56.62,64,63,74*		28.8 29.8 28.8 30.5*
213	+ 40 3512	6.8	M	18 50 27.57	5	12.52	+ 40 53 4.5	5	12.52	27.61*,55*,60*,55,54		5.4* 3.8* 4.8* 3.8 4.8
214	+ 40 3544	6.9	M	18 55 53.87	6	12.52	+ 40 33 28.5	3	12.50	53.92*,87*,84*,86*,89,83		29.7* 28.1* 27.6
215	+ 22 3549	6.4	M	18 56 15.44	4	12.54	+ 22 41 29.2	4	12.54	15.38*,48,47*,44*		28.5* 30.8 29.1* 28.4*
216	+ 40 3555	6.8	Ma_5	18 57 26.14	6	12.53	+ 40 33 35.3	5	12.52	26.15*,17*,11,20,16,07		34.7* 35.5* 35.7 35.2 35.2
217	+ 29 3472	6.6	Ma	19 2 21.51	2	12.58	+ 29 47 11.6	2	12.58	21.52*,50		11.6* 11.5
218	+ 1 3899	7.5	M	19 3 45.71	4	12.53	+ 1 9 35.4	4	12.53	45.72*,72*,71,70		36.3* 35.1* 35.0 35.1
219	+ 18 4011	6.3	M	19 11 40.16	5	12.53	+ 18 21 41.8	5	12.53	40.17*,16*,18*,14,18		40.9* 42.0* 42.0* 42.0 42.2
220	— 1 3702	8.6	M	19 13 29.92	5	12.54	— 1 10 3.9	5	12.54	29.87,87,92,04*,91*		4.4 4.8 3.3 4.0* 3.0*
221	+ 2 3904	6.9	M	19 25 45.37	3	12.53	+ 2 43 13.5	3	12.53	45.34*,38,38		13.6* 13.3 13.7
222	+ 3 4043	6.3	B	19 26 8.99	1	12.67	+ 3 15 37.0	1	12.67			
223	+ 29 3628	8.1	M	19 28 28.51	4	12.57	+ 29 59 59.4	4	12.57	28.53,52*,54*,45		60.2 59.4* 59.5* 58.6
224	+ 4 4152	7.2	M	19 28 46.66	2	12.54	+ 4 50 24.5	2	12.54	46.68,64		24.5 24.5
225	+ 48 2914	6.5	M	19 31 16.28	3	12.53	+ 49 4 11.5	3	12.53	16.15*,31,37		12.3* 10.7 11.4
226	+ 13 4098	5.8	B_3	19 37 1.10	5	12.52	+ 13 36 39.0	5	12.52	1.16*,10* 11* 09,05		39.2* 38.8* 38.4* 39.1 39.6
227	+ 42 3419	6.4	Ma	19 37 50.15	4	12.56	+ 42 52 19.2	4	12.56	50.16*,14,16,14		19.2* 18.1 19.4 20.2

No.	B.D.	Mg.	Sp.	α 1912.0	n	Ep. 1900+	δ 1912.0	n	Ep. 1900+	Einzelwerte α	Einzelwerte δ
				h m s			° ′ ″			s	″
228	+ 4° 4210	7.5	M	19 40 10.17	3	12.55	+ 4 46 3.4	3	12.55	10.15,20*,15*	3.6 3.2* 3.3*
229	+ 34 3691	6.8	Ma	19 41 20.00	1	12.52	+ 34 12 4.7	1	12.52		
230	+ 40 3866	6.4	M	19 41 49.87	5	12.53	+ 40 30 13.6	4	12.53	49.84*,90*,89*,83,89	14.2* 13.4* 13.6 13.4
231	+ 26 3674	var.	M	19 44 47.37	2	12.54	+ 27 4 0.7	2	12.54	47.42,32*	0.2 1.2*
232	+ 33 3602	6.3	B_5	19 45 29.14	2	11.62	+ 33 12 59.2	4	11.63	29.13*,15*	59.6* 59.9* 58.9* 58.4*
233	+ 7 4252	6.4	B_8	19 46 1.32	2	12.52	+ 7 40 48.2	2	12.52	1.30*,34*	48.9* 47.5*
234	+ 37 3636	6.4	Ma	19 47 37.18	5	12.57	+ 37 36 4.6	5	12.57	37.22*,14*,22*,16,15	4.0* 4.4* 4.0 5.0 4.9
235	+ 35 3878	6.0	B_3	19 53 28.93	7	11.78	+ 36 0 52.5	6	11.78	28.86*,97*,92*,96*,88*,93*,96*	52.0* 51.8* 52.8* 52.6* 51.8* 53.8*
236	+ 37 3703	6.3	B_5	19 55 23.92	3	11.68	+ 37 51 57.9	5	11.69	23.92*,96*,89*	59.0* 56.4* 58.4* 57.6* 58.1*
237	+ 17 4185	7.5	M	19 56 10.04	3	12.51	+ 17 22 9.2	3	12.51	10.06*,04*,02*	9.6* 8.8* 9.4*
238	+ 36 3820	6.4	B_8	19 58 1.27	4	11.63	+ 37 51 11.3	4	11.63	1.21*,34*,26*,27*	11.6* 11.6* 11.4* 10.7*
239	+ 15 4040	6.6	Map	20 1 23.63	5	12.58	+ 15 14 55.6	5	12.58	23.60*,66*,59*,66,65	55.1* 55.7* 54.5* 56.8 56.2
240	+ 67 1226	6.6	M	20 4 30.76	1	12.75	+ 67 46 25.2	1	12.75		
241	+ 21 4088	6.1	B	20 7 30.18	7	11.94	+ 21 36 46.7	6	11.99	30.18*,20*,12*,18*,20*,20,16	47.3* 46.9* 47.0* 45.9* 46.5 46.5
242	+ 42 3670	6.5	M	20 14 28.23	2	12.52	+ 42 26 53.0	2	12.52	28.21*,25*	53.4* 52.7*
243	+ 33 3846	7.8	M	20 14 29.60	5	12.57	+ 33 48 57.8	5	12.57	29.64*,57*,56*,64,62	58.0* 57.7* 57.7* 58.4 57.3
244	+ 72 945	7.0	M	20 15 34.76	3	12.73	+ 72 19 56.5	3	12.73	34.72*,86*,70*	56.2* 57.0* 56.4*
245	+ 45 3139	6.3	B_8	20 16 0.45	2	11.69	+ 46 2 44.2	2	11.66	0.48*,41*	44.4* 44.0*
246	— 0 3991	7.3	M	20 18 47.77	2	12.62	— 0 44 7.2	2	12.62	47.76*,78	6.7* 7.7
247	+ 9 4526	6.5	M	20 21 30.14	1	12.67	+ 9 46 9.7	1	12.67		
248	+ 18 4525	7.4	M	20 28 8.60	5	12.53	+ 18 19 45.5	5	12.53	8.58*,64*,61,61,54	46.2* 45.5* 44.5 45.8 45.8
249	+ 20 4629	6.3	B	20 30 14.72	8	11.90	+ 20 40 59.7	8	11.90	14.72*,73*,63*,69*,73*,75*,74,73	59.6* 60.2* 60.0* 59.6* 59.2* 59.4* 59.8 59.6
250	+ 16 4315	7.0	M	20 32 12.87	4	12.54	+ 16 30 32.5	4	12.54	12.90,90,87*,82*	31.8 32.4 33.0* 32.7*
251	+ 0 4558	8.3	M	20 33 47.31	3	12.62	+ 0 42 28.8	3	12.62	47.34*,26,33	28.2* 29.3 28.8
252	+ 17 4370	6.3	M	20 33 53.91	5	12.53	+ 17 57 32.6	5	12.53	53.86*,94*,94,92,88	33.5* 32.1* 31.0 33.5 33.1

253	+ 34 4127	6.5	B	20 38 55.48	7	12.46	+ 35 8 25.3	7	12.46	55.51,40,53,46,45,53,43	25.8 24.1 24.8 26.4 24.4 26.5 25.3
254	+ 56 2477	6.4	B_3	20 41 0.64	2	11.72	+ 56 47 44.3	3	11.71	0.68,60	44.8 43.6 44.4
255	+ 17 4401	var.	Md	20 41 26.46	5	12.54	+ 17 46 11.3	5	12.54	26.50,48,43,39,52	11.2 11.8 11.5 11.4 10.9
256	+ 55 2462	6.2	Ma	20 42 5.14	3	12.73	+ 56 10 5.5	3	12.73	5.16,19,07	5.4 5.8 5.3
257	+ 25 4375	7.0	B	20 44 0.28	4	12.70	+ 25 51 12.5	4	12.70	0.24,30,32,25	12.7 13.4 12.2 11.8
258	— 1 4057	6.8	M	20 44 45.83	5	12.56	— 0 53 20.7	5	12.56	45.79,86,84,84,84	21.4 20.6 21.1 20.9 19.4
259	+ 40 4354	6.5	B_8	20 51 5.03	6	11.95	+ 40 22 3.4	6	11.95	5.01,02,95,07,08,04	3.5 2.2 3.6 4.3 2.8 3.8
260	+ 50 3232	6.3	B_8	20 53 26.86	4	12.74	+ 50 44 11.1	4	12.74	26.78,90,89,89	10.9 11.0 11.7 10.8
261	— 1 4095	6.3	B_8	20 58 27.54	4	12.33	— 1 16 20.6	5	12.21	27.56,56,51,52	20.5 22.2 20.4 20.5 19.5
262	+ 15 4317	6.9	M	20 58 40.18	5	12.62	+ 15 37 11.2	5	12.62	40.26,14,20,16,16	11.4 11.1 12.2 10.5 10.8
263	+ 44 3679	6.8	M	20 59 15.56	3	12.73	+ 44 26 35.4	3	12.73	15.51,60,59	35.0 35.3 35.8
264	+ 45 3374	6.2	B_8	20 59 42.86	4	11.81	+ 45 30 0.6	4	11.81	42.92,82,84,84	60.0 61.4 60.8 60.2
265	— 0 4163	7.2	M	21 3 1.98	1	12.77	— 0 31 2.2	1	12.77		
266	+ 6 4754	6.4	M	21 4 7.36	5	12.54	+ 6 38 0.1	6	12.54	7.29,37,40,41,36	0.0 59.7 0.0 0.0 0.1 0.8
267	+ 67 1291	var.	M	21 8 22.68	2	12.76	+ 68 7 56.0	2	12.76	22.68,68	55.7 56.2
268	+ 47 3348	6.3	B_5	21 12 32.59	5	11.77	+ 47 36 23.9	3	11.80	32.56,60,62,62,56	23.1 24.6 24.0
269	+ 17 4546	7.3	M	21 14 18.93	6	12.65	+ 17 21 2.6	6	12.65	18.91,90,94,88,01,94	2.8 3.8 1.6 1.6 2.1 3.4
270	+ 48 3348	8.2	M	21 17 16.34	3	12.75	+ 48 58 43.0	3	12.75	16.37,26,39	42.9 42.8 43.2
271	+ 7 4696	6.7	Ma	21 24 4.60	5	12.57	+ 7 48 44.7	5	12.57	4.64,60,60,60,54	45.1 44.4 44.9 44.7 44.4
273	+ 21 4555	6.2	M	21 24 58.48	5	12.71	+ 21 47 40.3	5	12.71	58.46,54,40,48,53	39.5 39.8 40.0 40.1 42.1
272	+ 59 2383	6.4	M	21 24 59.51	3	12.74	+ 59 22 0.1	3	12.74	59.57,54,41	1.0 59.8 59.6
274	+ 44 3877	var.	Mc	21 32 41.74	5	12.71	+ 44 58 48.7	5	12.71	41.69,76,71,72,83	48.0 48.8 49.2 49.0 48.4
275	+ 19 4793	6.2	B	21 45 20.10	10	12.17	+ 20 3 7.5	10	12.17	20.08,14,03,11,14,12,11,18	7.6 8.0 5.4 6.8 7.5 9.1
										.12,08	7.6 7.8 7.4 7.4
276	+ 20 5027	7.0	Ma	21 48 11.90	3	12.63	+ 20 51 32.3	3	12.63	11.89,90,92	32.6 32.2 32.1
277	+ 23 4442	7.5	M	21 55 45.50	4	12.62	+ 23 31 9.8	4	12.62	45.50,50,44,56	10.1 9.3 9.9 9.8
278	+ 62 2010	6.2	Mb	21 56 17.83	4	12.74	+ 62 16 32.8	4	12.74	17.87,83,82,79	33.2 32.7 33.4 32.0
279	+ 61 2233	6.5	B	21 58 1.27	1	11.70	+ 62 3 51.2	2	11.70		51.2 51.2

No.	B.D.	Mg.	Sp.	α 1912.0	n	Ep. 1900+	δ 1912.0	n	Ep. 1900+	Einzelwerte α	Einzelwerte δ
				h m s			° ′ ″			s	″
280	+ 4° 4791	7.3	M	21 58 59.60	3	12.73	+ 5° 0′ 54.8″	3	12.73	59.60,64,55	54.2 54.8 55.4
281	+ 46 3574	6.3	Ma	22 1 46.64	4	12.74	+ 46 19 1.5	4	12.74	46.58,67,72,60	1.4 1.4 2.0 1.3
282	+ 17 4693	6.4	M	22 3 17.42	5	12.69	+ 17 34 17.9	5	12.69	17.42,40,42,43,42	16.8 19.3 18.6 17.2 17.8
283	— 0 4322	7.4	M	22 8 49.65	6	12.71	— 0 11 36.7	6	12.71	49.58,60,68,63,71,68	36.8 36.2 36.8 37.6 37.2 35.8
284	+ 62 2048	6.1	Ma	22 9 37.95	4	12.74	+ 62 51 20.5	4	12.74	37.98,08,86,89	20.7 20.0 21.3 20.1
285	+ 4 4837	7.8	M	22 13 3.75	5	12.68	+ 4 42 16.4	5	12.68	3.76,72,72,78,76	16.2 15.1 17.4 15.7 17.4
286	+ 14 4786	6.6	B	22 17 48.35	8	12.46	+ 15 12 28.3	8	12.46	48.41,32,34,36,37,30,38,35	27.8 28.3 27.8 27.8 29.6 28.6 28.4 28.0
287	— 0 4383	7.5	M	22 30 5.90	4	12.70	+ 0 8 32.9	4	12.70	5.86,88,90,94	32.8 34.0 31.5 33.4
288	+ 34 4729	6.5	Ma	22 32 48.60	4	12.75	+ 35 11 44.8	5	12.75	48.55,60,67,60	45.3 44.8 43.9 44.6 45.7
289	+ 16 4833	6.5	Mb	22 50 15.30	6	12.73	+ 16 28 23.8	7	12.73	15.23,31,30,32,30,35	22.5 24.7 24.0 23.7 24.0 24.6 23.2
290	+ 0 4955	8.5	M	22 56 46.39	4	12.77	+ 0 36 43.5	4	12.77	46.37,43,38,39	43.0 42.1 44.9 43.9
291	+ 59 2629	6.8	B_2	22 58 46.08	4	12.74	+ 59 22 45.5	4	12.74	46.10,24,08,90	46.4 45.2 45.7 44.6
292	+ 58 2546	6.3	B_2	23 3 27.14	5	12.34	+ 59 15 4.7	6	12.40	27.25,17,22,10,98	5.1 4.6 4.8 4.6 4.8 4.3
293	+ 4 4975	7.1	M	23 6 45.71	7	12.75	+ 4 31 35.5	7	12.75	45.64,65,72,81,73,76,69	36.2 35.8 36.0 34.1 35.6 35.6 35.2
294	+ 60 2521	6.7	B	23 16 8.70	6	12.40	+ 60 40 5.2	6	12.40	8.71,76,72,80,62,59	4.9 5.3 5.0 5.4 5.1 5.5
295	— 0 4509	6.7	M	23 19 1.09	4	12.88	— 0 11 31.0	4	12.88	1.06,11,08,09	30.4 31.3 30.8 31.6
296	+ 40 5065	6.5	M	23 19 55.50	1	12.63	+ 41 7 47.8	1	12.63		
297	+ 20 5352	6.3	M	23 29 30.48	2	12.78	+ 20 21 18.2	3	12.78	30.52,45	18.0 19.0 17.5
298	+ 63 2038	6.8	Ma	23 38 11.25	4	12.74	+ 64 1 38.4	5	12.75	11.20,32,22,27	39.4 38.2 38.4 38.6 37.5
299	+ 65 1943	5.9	B_3	23 42 24.48	4	12.74	+ 66 17 36.4	5	12.75	24.35,54,55,50	36.9 36.0 35.9 37.0 36.3
300	+ 56 3115	6.0	Bp	23 51 8.75	6	12.40	+ 56 55 20.5	6	12.22	8.80,74,78,86,68,63	20.8 20.3 20.4 20.8 20.3 20.5
301	+ 14 5074	7.2	M	23 51 24.58	4	12.83	+ 14 44 26.3	5	12.82	24.62,66,50,56	26.4 25.1 27.5 26.2 26.2
302	+ 31 5012	6.4	B	23 54 19.86	2	12.20	+ 31 53 30.3	2	12.25	19.93,79	31.0 29.6
303	— 1 4515	7.3	M	23 55 40.82	3	12.80	— 0 51 0.2	4	12.80	40.82,80,84	0.8 0.9 59.0 0.4
304	+ 59 2810	7.8	M	23 56 46.22	4	12.74	+ 59 51 55.8	4	12.74	46.26,28,23,10	56.8 55.6 56.4 54.5

Positionen, bezogen auf 1925.0.

No.	B.D.	Mg.	Sp.	α 1925.0	δ 1925.0	No.	B.D.	Mg.	Sp.	α 1925.0	δ 1925.0
	°			h m s	° ′ ″		°			h m s	° ′ ″
1	— 0 6	7.3	M	0 5 1.70	+ 0 16 29.4	40	+ 47 846	6.8	B_8	3 26 15.33	+ 47 36 26.4
2	+ 36 12	6.6	B_3	0 8 56.12	+ 37 16 35.6	41	+ 44 734	6.3	B	3 27 29.74	+ 44 36 6.4
3	+ 37 58	var.	Md	0 20 3.96	+ 38 9 42.6	42	+ 46 773	6.8	B_8	3 30 41.70	+ 46 50 31.3
4	+ 23 126	6.4	Ma	0 51 13.61	+ 24 9 4.6	43	+ 18 507	7.0	M	3 31 0.56	+ 18 39 16.4
5	+ 52 262	6.3	M	1 2 41.12	+ 53 5 50.0	44	+ 14 598	8.8	M	3 38 0.30	+ 14 33 10.6
6	+ 14 175	6.4	M	1 6 12.70	+ 15 16 29.4	45	+ 53 698	8.0	M	3 40 22.68	+ 53 40 13.7
7	+ 27 196	6.6	Ma	1 9 57.32	+ 28 8 2.0	46	+ 33 717	6.4	B_3	3 43 6.96	+ 33 22 7.0
8	+ 42 288	6.6	B	1 17 49.65	+ 43 11 31.7	47	+ 23 563	6.1	B_8	3 45 16.26	+ 23 29 4.6
9	+ 19 226	6.0	M	1 19 21.60	+ 20 4 39.8	48	+ 1 685	7.4	M	3 54 28.80	+ 1 13 52.7
10	+ 50 282	8.6	M	1 24 1.51	+ 51 17 28.4	49	+ 9 543	6.5	M	4 4 36.18	+ 9 54 7.4
11	+ 34 265	6.3	B	1 27 50.68	+ 34 24 50.5	50	+ 15 630	8.7	M	4 24 3.09	+ 16 8 7.2
12	+ 44 354	6.5	Ma	1 38 41.92	+ 44 56 40.6	51	+ 16 625	7.0	M	4 30 43.26	+ 17 2 47.3
13	+ 49 445	7.8	M	1 39 5.51	+ 50 14 10.7	52	+ 40 1032	6.1	B_8	4 39 1.20	+ 40 38 49.4
14	+ 8 292	7.0	M	1 50 24.48	+ 8 24 44.5	53	+ 0 834	7.3	B	4 40 51.12	+ 0 25 50.0
15	+ 69 123	8.0	M	1 50 30.23	+ 69 50 11.5	54	+ 51 980	8.5	M	4 45 12.75	+ 52 6 30.9
16	+ 27 310	6.0	Ma	1 53 26.85	+ 27 26 23.3	55	+ 51 996	8.0	B	4 49 44.78	+ 51 42 50.2
17	+ 54 444	7.9	M	1 58 6.86	+ 54 52 17.4	56	+ 35 930	6.2	B_8p	4 51 19.51	+ 36 2 58.9
18	+ 12 271	6.3	Mb	1 58 32.70	+ 13 6 56.4	57	+ 1 886	6.2	B_3	4 58 6.94	+ 1 30 1.8
19	+ 7 324	6.7	Mb	2 2 14.50	+ 7 53 25.7	58	+ 46 979	7.6	B	5 8 14.34	+ 46 53 16.8
20	+ 25 349	6.0	B_8	2 2 33.85	+ 25 20 50.0	59	— 0 890	7.0	M	5 10 47.45	— 0 38 55.0
21	+ 65 241	8.7	M	2 8 58.48	+ 66 8 56.0	60	+ 33 1002	6.1	B_9	5 13 22.68	+ 33 41 17.0
22	+ 43 461[a]	var.	Md	2 12 48.43	+ 43 57 29.0	61	— 1 859	6.4	B_8	5 15 47.29	— 1 29 19.2
23	— 0 361[a]	var.	M	2 22 12.19	— 0 30 58.2	62	+ 3 857	6.4	B_3	5 17 21.98	+ 3 56 18.8
24	+ 33 470	var.	Md	2 32 29.24	+ 33 56 18.9	63	+ 2 947	6.3	B_3	5 20 41.61	+ 2 17 7.8
25	+ 11 365	7.3	M	2 33 41.54	+ 11 56 40.4	64	+ 0 1056	6.0	B	5 21 55.72	+ 0 27 16.4
26	+ 2 406	7.2	M	2 34 42.42	+ 3 7 9.6	65	+ 3 903	6.6	B	5 23 11.20	+ 3 47 32.0
27	+ 5 377	8.0	M	2 37 10.66	+ 5 45 3.5	66	— 2 1250	6.6	B	5 23 12.86	— 2 25 26.0
28	+ 44 591	7.8	M	2 46 45.46	+ 44 45 2.9	67	— 7 1092	6.5	B	5 25 47.59	— 7 19 9.9
29	+ 15 397	8.3	M	2 47 42.04	+ 16 11 24.0	68	— 7 1099	6.2	B	5 26 43.30	— 7 29 31.0
30	+ 19 432	6.8	M	2 50 1.64	+ 20 15 39.9	69	— 1 939	6.5	B_3	5 29 19.88	— 1 46 9.4
31	+ 3 410	6.3	Mb	2 53 8.68	+ 4 11 56.0	70	— 1 949	6.2	B_3	5 30 15.24	— 1 5 9.2
32	— 1 419	7.5	M	2 53 21.04	— 0 52 34.7	71	— 4 1171	8.0	B	5 30 49.85	— 4 32 13.4
33	+ 37 675	5.9	B	2 55 26.48	+ 37 50 3.4	72	— 4 1179	8.0	B	5 31 22.47	— 4 46 48.3
34	— 3 478	6.8	M	2 57 4.08	— 3 10 32.2	73	— 4 1183	6.5	B	5 31 39.28	— 4 33 31.6
35	+ 41 631	6.0	B	3 7 11.92	+ 42 5 37.4	74	— 4 1190	7.1	B	5 32 23.48	— 4 28 21.6
36	+ 28 526	7.0	B	3 20 16.21	+ 28 23 20.8	75	— 4 1196	6.3	B_1	5 34 11.30	— 4 51 26.6
37	+ 71 201	6.5	M	3 22 30.74	+ 71 36 16.2	76	— 1 987	6.7	B	5 34 25.38	— 1 12 44.3
38	— 0 546	7.3	M	3 22 58.74	— 0 14 7.4	77	— 6 1275	5.9	B	5 34 59.00	— 6 36 57.5
39	+ 43 732	7.2	B	3 23 28.00	+ 43 29 37.4	78	+ 31 1049	6.7	Ma	5 35 49.42	+ 31 52 51.3

No.	B.D.	Mg.	Sp.	α 1925.0	δ 1925.0	No.	B.D.	Mg.	Sp.	α 1925.0	δ 1925.0
	°			h m s	° ′ ″		°			h m s	° ′ ″
79	+ 2 1040	6.6	B	5 38 23.08	+ 2 19 52.2	119	— 2 2379	6.2	B	7 56 57.92	— 2 40 30.0
80	+ 23 1015	6.1	B	5 38 46.20	+ 23 10 12.9	120	+ 33 1636	6.6	B	7 59 21.66	+ 33 14 32.6
81	+ 18 950	7.5	M	5 40 47.24	+ 18 40 25.0	121	+ 17 1778	7.5	M	8 5 44.32	+ 17 14 16.4
82	+ 3 1041	7.5	M	5 44 18.00	+ 3 52 32.4	122	+ 9 1927	7.1	B_5	8 14 19.50	+ 9 23 6.9
83	+ 32 1109	6.4	Ma	5 46 32.40	+ 32 6 16.6	123	+ 2 1948	7.5	M	8 18 17.81	+ 2 23 30.4
84	+ 33 1179	6.4	Ma	5 47 42.17	+ 33 53 57.7	124	— 7 2452	6.1	Ma	8 19 14.36	— 7 18 6.9
85	+ 3 1071	6.3	M	5 50 19.29	+ 3 12 46.0	125	+ 13 1995	8.2	M	8 44 37.69	+ 12 52 26.3
86	— 1 1059	8.2	M	5 50 33.95	— 1 5 24.8	126	+ 3 2035	var.	M	8 49 39.42	+ 3 21 9.0
87	— 4 1281	6.4	B	5 50 51.32	— 4 4 40.4	127	+ 39 2193	7.0	M	8 58 59.98	+ 39 2 23.3
88	+ 18 1040	7.5	M	5 54 30.10	+ 18 48 52.4	128	+ 2 2145	6.8	M	9 3 7.60	+ 1 45 53.0
89	— 1 1081	8.4	M	5 55 8.14	— 1 6 58.2	129	+ 31 1946	var.	M	9 6 7.22	+ 31 16 11.0
90	+ 0 1270	7.0	M	6 1 31.11	+ 0 37 10.2	130	+ 57 1214	6.0	M	9 16 13.74	+ 57 1 5.4
91	+ 29 1112	6.3	Ma	6 1 35.16	+ 29 31 11.0	131	+ 0 2499	7.5	M	9 16 45.80	+ 0 30 1.8
92	+ 18 1129	6.2	B	6 9 8.88	+ 18 42 5.8	132	+ 6 2224	6.3	Ma	9 49 46.74	+ 6 18 43.8
93	+ 4 1181	6.4	B	6 11 49.04	+ 4 18 31.9	133	+ 10 2116	7.5	M	10 5 33.04	+ 9 57 40.0
94	+ 29 1170	6.9	B	6 13 50.00	+ 29 48 43.2	134	+ 42 2108	6.8	M	10 12 48.44	+ 41 50 32.8
95	+ 3 1218	7.8	M	6 18 58.50	+ 3 47 56.0	135	+ 34 2124	7.4	M	10 20 3.33	+ 34 33 24.8
96	+ 3 1221	6.2	B_3	6 19 21.37	+ 3 48 12.9	136	— 3 2929	6.1	B	10 24 55.94	— 3 21 29.4
97	— 4 1510	6.0	B_3	6 22 51.98	— 4 33 7.0	137	+ 42 2131	7.1	M	10 30 44.40	+ 42 17 48.8
98	+ 11 1193	6.4	B	6 24 50.32	+ 11 4 7.4	138	— 12 3218	5.4	M	10 33 51.01	— 12 59 36.8
99	+ 2 1253	6.4	Ma	6 25 19.68	+ 2 41 47.6	139	+ 43 2045	7.5	M	10 42 33.58	+ 43 25 17.6
100	+ 4 1414	5.8	B	6 39 41.28	+ 4 0 29.8	140	+ 38 2179	6.9	B	10 44 8.54	+ 37 57 59.0
101	+ 1 1531	6.1	B	6 45 11.38	+ 1 5 15.2	141	— 1 2446	6.2	M	10 44 51.22	— 1 33 47.0
102	+ 17 1479	6.2	M	6 58 3.86	+ 17 54 12.4	142	+ 70 641	7.1	M	10 53 54.82	+ 70 23 25.6
103	+ 16 1363	6.0	M	6 58 13.82	+ 16 47 0.3	143	+ 37 2162	5.9	M	11 5 12.02	+ 36 42 58.9
104	— 3 1804	6.1	Ma	7 10 26.96	— 3 46 19.3	144	+ 43 2083	6.0	Mb	11 5 27.06	+ 43 36 52.4
105	— 10 1933	6.0	B_1	7 10 54.92	— 10 11 20.3	145	+ 9 2494	7.0	M	11 22 25.20	+ 9 4 20.6
106	+ 22 1620	7.2	M	7 11 4.76	+ 22 5 54.1	146	+ 37 2230	6.5	Mb	11 51 21.84	+ 37 10 29.6
107	+ 8 1712	6.0	M	7 11 35.36	+ 8 6 34.2	147	+ 20 2664	6.9	M	11 56 14.53	+ 19 50 15.5
108	+ 3 1649	6.8	B	7 16 47.25	+ 3 43 21.2	148	+ 69 641	8.2	M	12 1 47.35	+ 69 10 52.8
109	+ 15 1564	6.4	B	7 20 11.01	+ 15 39 50.6	149	— 11 3238	6.7	B	12 2 57.02	— 11 49 22.3
110	— 9 2069	6.6	B	7 25 0.31	— 9 53 21.5	150	+ 60 1406	var.	M	12 32 59.14	+ 59 53 59.6
111	— 4 1979	6.4	Ma	7 27 9.08	— 5 4 5.2	151	+ 61 1313	var.	M	12 40 40.08	+ 61 30 13.5
112	+ 8 1800	var.	M	7 28 39.06	+ 8 28 45.5	152	+ 6 2664	var.	M	12 47 17.57	+ 5 57 39.6
113	+ 3 1724	8.0	M	7 30 57.18	+ 3 30 25.6	153	+ 47 2003	6.0	Mb	12 51 31.28	+ 47 36 10.8
114	+ 13 1737	6.1	M	7 37 39.66	+ 13 39 25.2	154	+ 12 2529	7.3	M	12 51 44.78	+ 11 54 9.4
115	— 10 2171	8.6	M	7 38 44.67	— 10 42 8.4	155	+ 38 2407	6.1	Ma	13 6 11.48	+ 37 49 20.7
116	+ 3 1824	6.6	Mb	7 48 11.22	+ 3 28 19.8	156	— 0 2668	7.3	M	13 8 54.70	— 1 21 36.1
117	+ 43 1754	7.0	B	7 53 20.97	+ 43 42 23.2	157	+ 37 2404	6.4	Ma	13 20 30.08	+ 37 25 30.4
118	+ 13 1811	6.2	Ma	7 55 23.99	+ 13 26 50.3	158	— 6 3837	var.	M	13 29 5.02	— 6 48 33.9

No.	B.D.	Mg.	Sp.	α 1925.0	δ 1925.0	No.	B.D.	Mg.	Sp.	α 1925.0	δ 1925.0
	°			h m s	° ′ ″		°			h m s	° ′ ″
159	+ 9 2785	7.3	M	13 32 7.82	+ 8 40 31.6	199	+ 20 3578	7.2	M	17 46 21.57	+ 20 39 34.1
160	+ 25 2652	5.9	M	13 33 27.45	+ 24 59 43.3	200	— 1 3413	7.8	M	17 48 29.35	— 1 24 45.2
161	+ 16 2564	4.2	M	13 45 51.70	+ 16 10 9.4	201	+ 0 3820	8.7	M	17 53 30.48	+ 0 12 14.2
162	+ 41 2434	6.7	M	13 49 58.09	+ 40 42 27.0	202	— 1 3426	8.4	M	17 53 52.83	— 1 45 27.4
163	+ 0 3118	7.5	M	13 55 54.39	+ 0 24 47.1	203	+ 14 3387	7.3	M	17 57 41.92	+ 14 7 15.7
164	+ 17 2702	6.9	M	14 2 55.15	+ 17 19 37.8	204	+ 19 3509	7.0	M	18 0 5.60	+ 19 33 10.0
165	+ 4 2841	6.6	Mb	14 11 6.20	+ 3 41 8.2	205	+ 43 2890	8.0	M	18 4 32.13	+ 43 26 30.9
166	+ 26 2563	8.0	M	14 20 49.34	+ 26 2 39.9	206	+ 2 3547	6.3	M	18 12 19.22	+ 2 21 8.0
167	— 6 4025	7.8	M	14 29 23.42	— 6 36 21.4	207	+ 23 3299	6.7	Ma	18 15 0.12	+ 23 16 1.9
168	+ 27 2400	var.	M	14 33 53.21	+ 27 4 .	208	— 14 5099	5.8	M	18 28 26.37	— 14 55 15.6
169	+ 38 2578	7.0	M	14 36 59.68	+ 38 25 55.1	209	+ 30 3227	6.4	B_8	18 30 31.84	+ 30 50 2.2
170	— 0 2867	6.0	M	14 41 20.12	— 1 6 5.2	210	+ 8 3780	var.	Md	18 34 45.90	+ 8 46 2.1
171	+ 15 2758	6.0	M	14 42 33.98	+ 15 26 46.6	211	+ 39 3476	6.1	M	18 35 37.86	+ 39 36 4.7
172	+ 7 2865	7.5	M	14 51 40.74	+ 7 5 18.0	212	— 1 3544	8.2	M	18 38 37.02	— 1 22 46.2
173	+ 14 2812	7.0	M	14 54 43.56	+ 14 20 12.8	213	+ 40 3512	6.8	M	18 50 52.83	+ 40 54 1.6
174	+ 5 2954	6.2	M	14 55 38.38	+ 4 51 58.1	214	+ 40 3544	6.9	M	18 56 19.38	+ 40 34 31.7
175	+ 2 2915	7.1	M	15 3 19.57	+ 2 39 5.0	215	+ 22 3549	6.4	M	18 56 48.34	+ 22 42 32.8
176	+ 66 890	6.5	M	15 7 13.02	+ 66 4 23.3	216	+ 40 3555	6.8	Ma_5	18 57 51.68	+ 40 34 40.2
177	— 1 3041	8.0	M	15 11 4.31	— 2 8 9.8	217	+ 29 3472	6.6	Ma	19 2 51.88	+ 29 48 21.8
178	+ 31 2725	var.	M	15 18 20.62	+ 31 38 10.6	218	+ 1 3899	7.5	M	19 4 25.32	+ 1 10 47.3
179	+ 9 3031	7.5	M	15 20 21.94	+ 9 10 14.7	219	+ 18 4011	6.3	M	19 12 14.62	+ 18 23 2.3
180	+ 24 2901	7.4	M	15 35 3.50	+ 24 46 0.0	220	— 1 3702	8.6	M	19 14 10.20	— 1 8 41.4
181	+ 47 2255	6.7	M	15 36 36.10	+ 47 10 11.0	221	+ 2 3904	6.9	M	19 26 24.54	+ 2 44 49.1
182	— 0 3011	7.5	M	15 45 1.35	— 0 46 19.6	222	+ 3 4043	6.3	B	19 26 48.01	+ 3 17 13.0
183	+ 15 2918	var.	M	15 47 14.28	+ 15 20 36.4	223	+ 29 3628	8.1	M	19 28 59.16	+ 30 1 37.8
184	+ 9 3153	7.5	M	16 4 59.66	+ 8 48 42.0	224	+ 4 4152	7.2	M	19 29 25.24	+ 4 52 3.3
185	+ 19 3072	6.8	M	16 9 32.26	+ 19 17 33.0	225	+ 48 2914	6.5	M	19 31 37.75	+ 49 5 52.8
186	+ 19 3077	7.2	M	16 13 37.83	+ 19 1 49.0	226	+ 13 4098	5.8	B_3	19 37 37.21	+ 13 38 26.4
187	+ 3 3199	6.8	M	16 23 46.50	+ 3 2 17.2	227	+ 42 3419	6.4	Ma	19 38 15.42	+ 42 54 7.3
188	+ 49 2530	7.3	M	16 36 29.71	+ 49 0 35.0	228	+ 4 4210	7.5	M	19 40 48.80	+ 4 47 54.0
189	+ 42 2749	6.1	M	16 44 55.76	+ 42 22 17.9	229	+ 34 3691	6.8	Ma	19 41 49.27	+ 34 13 56.4
190	+ 1 3408	5.8	B	17 12 43.38	+ 1 17 34.1	230	+ 40 3866	6.4	M	19 42 16.42	+ 40 32 5.9
191	+ 2 3296	7.0	M	17 15 59.68	+ 2 13 53.6	231	+ 26 3674	var.	M	19 45 19.35	+ 27 5 56.0
192	+ 16 3163	6.6	Ma	17 18 12.71	+ 16 48 15.2	232	+ 33 3602	6.3	B_5	19 45 58.89	+ 33 14 55.2
193	+ 17 3241	6.3	M	17 22 34.09	+ 16 58 56.0	233	+ 7 4252	6.4	B_8	19 46 39.16	+ 7 42 44.8
194	+ 8 3418	7.3	M	17 24 8.25	+ 8 30 17.2	234	+ 37 3636	6.4	Ma	19 48 5.20	+ 37 38 2.7
195	+ 19 3338	6.5	M	17 28 3.59	+ 19 34 41.9	235	+ 35 3878	6.0	B_3	19 53 57.76	+ 36 2 56.6
196	+ 14 3279	6.7	M	17 30 18.55	+ 14 53 39.8	236	+ 37 3703	6.3	B_5	19 55 52.04	+ 37 54 3.8
197	— 2 4425	6.4	Ma	17 36 17.78	— 2 6 44.9	237	+ 17 4185	7.5	M	19 56 45.23	+ 17 24 16.0
198	+ 31 3075	6.5	M	17 37 7.56	+ 31 14 27.8	238	+ 36 3820	6.4	B_8	19 58 29.88	+ 36 53 19.8

No.	B.D.	Mg.	Sp.	α 1925.0	δ 1925.0	No.	B.D.	Mg.	Sp.	α 1925.0	δ 1925.0
	°			h m s	° ′ ″		°			h m s	° ′ ″
239	+ 15 4040	6.6	Map	20 1 59.48	+ 15 17 7.6	272	+ 59 2383	6.4	M	21 25 21.09	+ 59 25 23.4
240	+ 67 1226	6.6	M	20 4 34.29	+ 67 48 39.9	273	+ 21 4555	6.2	M	21 25 34.08	+ 21 51 3.7
241	+ 21 4088	6.1	B	20 8 4.28	+ 21 39 4.6	274	+ 44 3877	var.	Mc	21 33 11.28	+ 45 2 17.4
242	+ 42 3670	6.5	M	20 14 54.94	+ 42 29 17.6	275	+ 19 4793	6.2	B	21 45 56.53	+ 20 6 44.6
243	+ 33 3846	7.8	M	20 14 59.86	+ 33 51 22.4	276	+ 20 5027	7.0	Ma	21 48 48.25	+ 20 55 11.2
244	+ 72 945	7.0	M	20 15 29.37	+ 72 22 21.8	277	+ 23 4442	7.5	M	21 56 21.54	+ 23 34 53.2
245	+ 45 3139	6.3	B_8	20 16 25.46	+ 46 5 10.1	278	+ 62 2010	6.2	Mb	21 56 40.78	+ 62 20 16.5
246	— 0 3991	7.3	M	20 19 27.90	— 0 41 38.6	279	+ 61 2233	6.5	B	21 58 24.60	+ 62 7 35.8
247	+ 9 4526	6.5	M	20 22 7.65	+ 9 48 40.8	280	+ 4 4791	7.3	M	21 59 38.77	+ 5 4 40.1
248	+ 18 4525	7.4	M	20 28 43.95	+ 18 22 22.8	281	+ 46 3574	6.3	Ma	22 2 17.62	+ 46 22 48.3
249	+ 20 4629	6.3	B	20 30 49.48	+ 20 43 38.8	282	+ 17 4693	6.4	M	22 3 54.68	+ 17 38 5.6
250	+ 16 4315	7.0	M	20 32 48.76	+ 16 33 13.4	283	— 0 4322	7.4	M	22 9 29.61	— 0 7 46.0
251	+ 0 4558	8.3	M	20 34 27.08	+ 0 45 11.2	284	+ 62 2048	6.1	Ma	22 10 2.20	+ 62 55 11.6
252	+ 17 4370	6.3	M	20 34 29.44	+ 18 0 15.0	285	+ 4 4837	7.8	M	22 13 43.04	+ 4 46 9.2
253	+ 34 4127	6.5	B	20 39 26.02	+ 35 11 12.1	286	+ 14 4786	6.6	B	22 18 26.26	+ 15 16 23.6
254	+ 56 2477	6.4	B_3	20 41 20.32	+ 56 50 32.8	287	— 0 4383	7.5	M	22 30 45.82	+ 0 12 33.8
255	+ 17 4401	var.	Md	20 42 2.16	+ 17 49 0.4	288	+ 34 4729	6.5	Ma	22 33 24.01	+ 35 15 47.0
256	+ 55 2462	6.2	Ma	20 42 25.38	+ 56 12 55.0	289	+ 16 4833	6.5	Mb	22 50 53.71	+ 16 32 32.5
257	+ 25 4375	7.0	B	20 44 33.87	+ 25 54 3.7	290	+ 0 4955	8.5	M	22 57 26.28	+ 0 40 54.4
258	— 1 4057	6.8	M	20 45 25.97	— 0 50 28.8	291	+ 59 2629	6.8	B_2	22 59 18.30	+ 59 26 56.9
259	+ 40 4354	6.5	B_8	20 51 34.14	+ 40 25 0.6	292	+ 58 2546	6.3	B_2	23 3 59.98	+ 59 19 17.4
260	+ 50 3232	6.3	B_8	20 53 51.36	+ 50 47 10.2	293	+ 4 4975	7.1	M	23 7 25.34	+ 4 35 49.2
261	— 1 4095	6.3	B_8	20 59 7.76	— 1 13 17.3	294	+ 60 2521	6.7	B	23 16 42.80	+ 60 44 21.1
262	+ 15 4317	6.9	M	20 59 16.67	+ 15 40 14.6	295	— 0 4509	6.7	M	23 19 41.04	— 0 7 14.5
263	+ 44 3679	6.8	M	20 59 43.42	+ 44 29 39.2	296	+ 40 5065	6.5	M	23 20 32.82	+ 41 12 4.6
264	+ 45 3374	6.2	B_8	21 0 10.29	+ 45 33 4.8	297	+ 20 5352	6.3	M	23 30 9.58	+ 20 25 36.5
265	— 0 4163	7.2	M	21 3 42.04	— 0 27 55.2	298	+ 63 2038	6.8	Ma	23 38 47.85	+ 64 5 57.9
266	+ 6 4754	6.4	M	21 4 45.90	+ 6 41 7.9	299	+ 65 1943	5.9	B_3	23 43 1.44	+ 66 21 56.2
267	+ 67 1291	var.	M	21 8 33.14	+ 68 11 6.9	300	+ 56 3115	6.0	Bp	23 51 47.70	+ 56 59 40.9
268	+ 47 3348	6.3	B_5	21 12 59.84	+ 47 39 38.2	301	+ 14 5074	7.2	M	23 52 4.36	+ 14 48 46.7
269	+ 17 4546	7.3	M	21 14 55.28	+ 17 24 18.2	302	+ 31 5012	6.4	B	23 54 59.55	+ 31 57 50.8
270	+ 48 3348	8.2	M	21 17 43.27	+ 49 2 0.8	303	— 1 4515	7.3	M	23 56 20.77	— 0 46 39.7
271	+ 7 4696	6.7	Ma	21 24 43.04	+ 7 52 7.5	304	+ 59 2810	7.8	M	23 57 25.78	+ 59 56 16.4