

КАТАЛОГ ФОТОГРАФИЧЕСКИХ ЗВЕЗДНЫХ ВЕЛИЧИН, ПОКАЗАТЕЛЕЙ ЦВЕТА,
СПЕКТРОВ И СВЕТИМОСТЕЙ СЛАБЫХ ЗВЕЗД В ДВУХ УЧАСТКАХ МЛЕЧНО-
ГО ПУТИ В СОЗВЕЗДИЯХ ОРЛА И ЩИТА (УЧАСТКИ В ОБЛАСТИ I ПЛАНА
П.П.ПАРЕНАГО И НА ГРАНИЦЕ С НЕЙ)

С.П. Априамашвили

По известному плану П.П.Паренаго комплексного изучения Млечного Пути [1] в двух участках созвездий Орла и Щита проведена двухцветная колориметрия и двухмерная спектральная классификация слабых звезд.

Центры исследуемых участков следующие (координаты отнесены к 1950 году):

- I. Прямое восхождение = $19^{\text{h}}00^{\text{m}}$, Склонение = 3° ;
II. " " = $18^{\text{h}}40^{\text{m}}$ " = $-3^{\circ}45'$.

Площадь участков: 4 и 8 кв.градусов, соответственно.

Весь фотометрический и спектральный материал получен в первичном фокусе 70-см менискового телескопа (фокусное расстояние 210 см) Абастуманской астрофизической обсерватории.

Для определения фотографических величин звезд применялись пластинки "Агфа Астро - несенсибилизированные" без светофильтра, а для фотовизуальных величин - "Агфа Астро-панхроматические" с фильтром ЖС-18.

В качестве стандарта использовались звезды Северного Полярного Ряда. Данные каталога приведены к интернациональной системе [2].

Спектральные классы и светимости звезд определены по спектрам, имеющим дисперсии 166 и 666 ангстрем на миллиметр около Н-гамма (предобъективные призмы диаметром 72 см и с углами преломления 8 и 4°).

Примененные нами критерии двухмерной спектральной классификации звезд близки к Абастуманской системе, описанной в [3].

В указанных направлениях классифицированы также звезды спектральных классов М до 18-ой фотографической звездной величины. Основным критерием классификации здесь служи-

ла полоса окиси титана (TiO , 6159 ангстр.), которая достаточно чувствительна к изменению подклассов.

Средние ошибки определения звездных величин, спектральных классов и светимостей составляют: 0.04 зв. вел., I по класс и I класс, соответственно. На основе настоящего каталога автором выполнено исследование межзвездного поглощения света, пространственного распределения звезд и других вопросов, относящихся к структуре Галактики в данных направлениях [4].

Каталог состоит из четырех частей. Первая соответствует карте I (Созвездие Орла), но делится на две зоны: 2^0 и 3^0 по склонению. Вторая содержит только звезды типа M в том же участке и ей соответствует карта II. Третья часть соответствует карте III (Орел - Щит). Четвертая часть, относящаяся к карте IV, содержит в себе звезды типа M в том же участке на границе созвездий Орла и Щита.

Во второй и четвертой частях, соответствующих картам I и IV, в числе красных звезд встречаются в небольшом количестве эмиссионные звезды типа B.

Эмиссионные звезды на картах указаны значками +. В Каталоге всего 2793 звезды.

Ноябрь, 1963.

THE CATALOGUE OF PHOTOGRAPHIC MAGNITUDES, COLOR-INDICES, SPECTRA AND LUMINOSITIES OF FAINT STARS IN TWO REGIONS OF THE MILKY WAY IN AQUILA AND SCUTUM (THE REGIONS IN THE AREA OF THE P.P. PARENAGO'S PLAN AND ON THE BOUNDARY WITH IT)

S.P. Apriamashvili

Цитированная литература

1. Паренаго П.П. Астрон. Журн. 1956, 33, № 5, 749
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3. Харадзе Е.К. и Бартая Р.А. Бюлл. Абастум. астрофиз. общ. 1960, № 25, 139
4. Априамашвили С.П. Бюлл. Абастум. астрофиз. общ. 1963, № 30, 49.

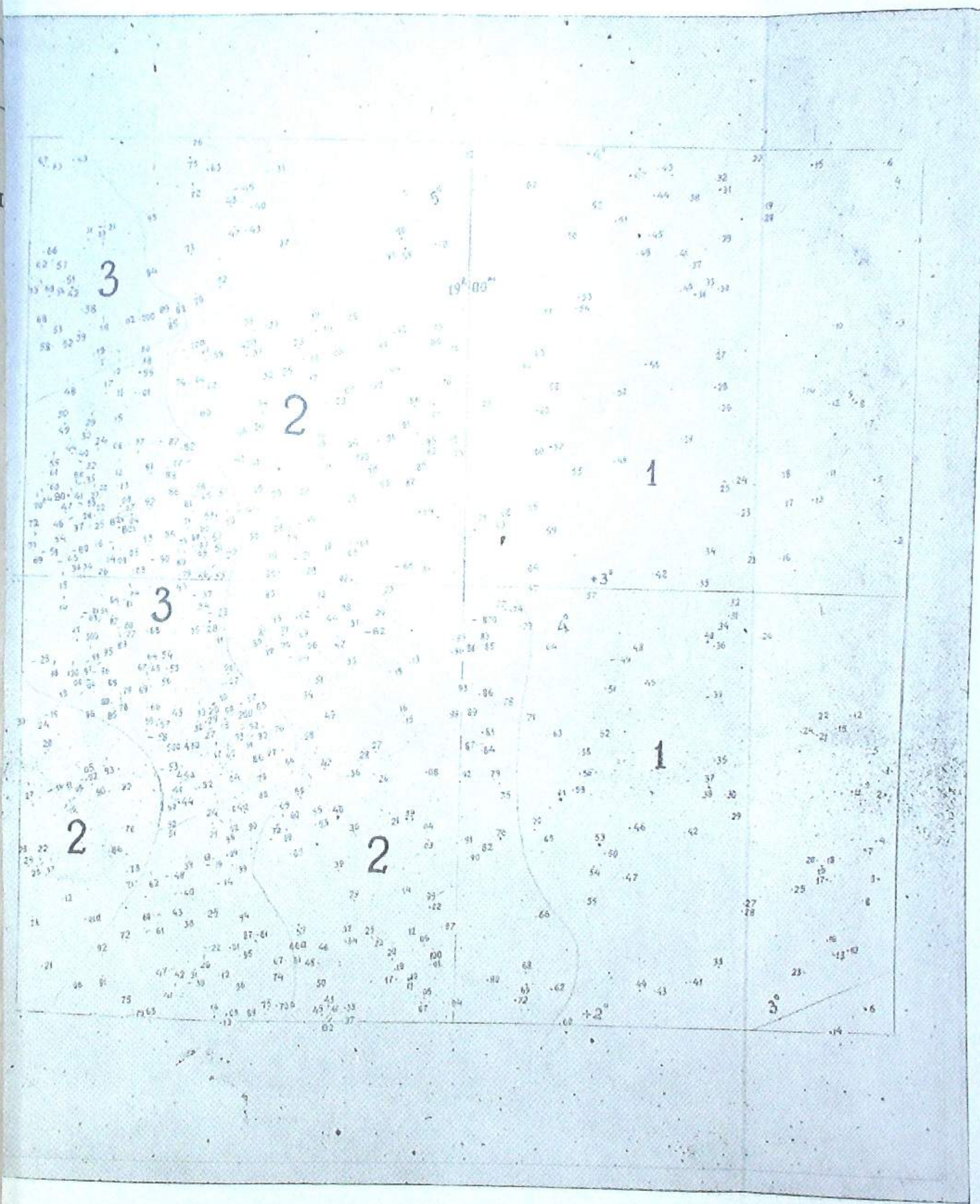
Карта I (Центр: R.A. 1950 $19^h 00^m$; Dec. 1950 $+2^{\circ} 5'$)

No.	Mpg	CI	Sp	No.	Mpg	CI	Sp
1	12.59	0.52	G5	51	11.27	0.58	F8 IV
2	9.45	0.26	F8 V	52	13.20	0.60	B2 V
3	10.54	0.46	G3 V	53			K0
4	13.09	0.53	F8	54	11.27	1.16	G8 IV
5	14.38	1.40	B-A	55	13.79:	0.79:	G0
6			F5 III	56	11.93	1.39	K5
7	10.68	0.22	F0 IV	57	13.94	0.65	B2
8	13.13	0.38	F8	58	13.71	0.71	
9	12.91	0.89	G5	59	11.48	0.72	B0eII
10	13.17	0.96	K2 V	60	12.29	0.33	G0
11	10.61	0.14	A3 IV	61			K7 III
12	11.99	0.57	G8 V	62	9.75	0.18	F0 IV
13	12.17	1.24	K5 V	63	12.66	0.54	G2 II
14	11.78	1.26	K3 IV	64	13.86	0.79	K0
15	12.80	0.82	A7	65	12.96	0.68	G8
16	13.51	0.89	A7	66	13.05	0.71	G8
17	11.55	0.35	F8 V	67	12.21	0.22	G2 IV
18	13.76	0.52	B3 V	68			M3
19	10.68	0.27	F0 III	69	11.82	1.07	K3 V
20	13.35	0.45	G2	70	13.91	0.71	G8
21	13.19	0.59	F5	71	13.85	1.05	B0 III
22	13.53	0.65	F8	72	11.87	0.50	F5 IV
23	13.54	0.84	K0	73	13.26	0.34	B2 V
24	13.83		F2	74	10.62	0.22	F6 V
25	13.29	0.85	G5	75	13.66	0.69	G2
26	13.60	0.65	G	76			A5
27	12.97	0.54	G0	77	11.27	0.27	B9 V
28	12.83	0.73	G2	78	13.30	0.77	B3
29	14.85		B8 V	79	12.26	0.66	F8 III
30	13.75	0.82	K2	80	14.01	2.39	M0
31	11.10	0.34	G2 IV	81	9.92	0.51	K0 V
32	12.86	0.71	F8	82	13.06	0.44	G0
33	12.28	0.50	G5 V	83	13.66	0.67	
34	12.15	0.24	B5 VI	84	10.95	0.10	B8 V
35	12.98	0.62	G0	85	12.40	0.51	B5 V
36	13.45	1.26	B3 I	86	12.10	1.15	G5 III
37	12.97	0.61		87	13.45	0.57	G5
38	9.43	0.29	B2 V	88	12.10	0.32	B9 V
39	13.77	0.95	K2	89	13.02:	0.90:	B0
40			G8	90	13.21	0.40	B0 V
41	13.73	0.99	K0	91	13.42	0.61	F8
42	13.01	0.71	F8	92	13.00	0.44	B3 V
43	13.69	0.70	G5	93	13.68	0.85	F6
44	12.92	0.75	K0 V	94	13.90	0.59	G3
45	14.09	0.91	B-A	95	11.58	0.33	A2 V
46	10.55	0.47	G2 III	96	11.51	0.20	A0 V
47	13.20	0.87	B2 III	97	12.70	0.54	G2 III
48	13.63	0.74	G0	98	13.72	0.59	G3
49	14.32	0.71	F2	99	13.52	0.95	K2
50	11.30	0.24	F2 IV	100	13.35	0.51	A2 V

Дополнение

No.	Mpg	CI	Sp
301	13.42		G5
302	12.37	0.22	A5 V
303	13.04	0.22	A1
304	12.58	0.52	F2
305	13.42	0.79	G8
306			
307	13.11	0.18	A0
308	13.07		B5 V
309	13.83	0.22	A2 V
310	13.18	1.03	K0
311	12.91:	0.54:	F8
312	12.53	0.26	F8 V
313	12.61	0.39	G5
314	13.62	0.08	B-A
315	13.44:	0.13:	B
316	12.38	0.51	F8
317	13.14	0.25	A2 V
318	13.89	0.44	
319	13.42	0.23	A2 V
320	13.18	0.55	G5
321	11.35	0.32	F8 IV
322	12.55	0.10	B9 V
323	13.59	0.74	G8
324	12.27	0.29	B8 V
325	13.63	0.28	A3
326	13.65	1.63	K5
327	13.13	1.33	K2
328	12.18	0.49	G8
329	12.48	1.22	K0
330	12.68	1.09	B0 I

No.	Mpg	CI	Sp
166a	12.80	0.75	B8
170a	11.92	0.23	A7
204a	13.72	2.05	M0
243a	12.90	1.13	K3
244a	11.04	0.11	B8 III
250a	12.85	0.19	B5 V
301a	10.83	0.20	A8 V
312a	12.85	0.19	B5 V



Карта I (Центр: Р.А. 1950 19^h00^m; Dec. 1950 +3^o5)

No.	Mpg	CI	Sp	No.	Mpg	CI	Sp
1	12.05	0.48	G5 V	51	10.41	0.19	F6 IV
2			G8 V	52	12.96	0.80	G2 V
3	10.80	0.45	F6 V	53	11.89	1.07	K2
4	11.97	0.51	G2 V	54	12.45	0.78	F2 V
5	10.99	0.35	G0 V	55	14.12	1.28	B2
6	12.78	0.53	F6 V	56	12.42	0.75	G3 V
7	11.84	1.33	G5 III	57			A1 V
8			K0 III	58	12.11	0.53	F6 V
9			A2 V	59	12.67	0.44	F6
10	12.02	0.52	G5 IV	60	12.96	0.60	F8
11	13.13	0.55	G5	61	11.86	0.49	F5 IV
12	12.60	0.49	G3 V	62	10.76	1.12	K7 V
13	10.34	0.29:	G0 V	63	13.35	1.07	K0
14	12.51	0.52	G2 V	64	13.77	1.94	K5
15	9.50		F8 III	65	13.45	0.85	K0
16	12.71	0.43	F8	66	13.59	0.62	G5
17	14.30	0.95	F0	67	11.88	0.35	G5 V
18	13.44	0.63	F8	68	13.45	0.42	G0
19	13.28	0.66	B5 V	69	14.25	0.80	B2
20	13.02	0.57	G0	70	13.33	0.38	F8
21	12.61	1.15	K7 V	71	14.07	1.07	K0
22	13.29	0.59	A5	72	13.36	0.76	G0
23	11.96	0.36	A2 III	73	13.71	1.28	K5
24	12.77	0.56	F8	74	13.78	0.65	B2
25			A0 V	75	13.37	0.60	F5
26	13.45	1.84	K5	76	11.88	0.47	G3 V
27	12.45	0.73	G8 V	77	14.05	0.74	B2
28	10.20	0.02	A0 V	78	11.79	0.38	F5 V
29	13.64	0.81	F0	79	13.79	0.79	G5
30	13.16	1.60	K2	80	13.70	0.50	G
31	9.92	0.82:	K0 III	81	13.97	0.38	B5
32	12.49	0.46	A7	82	13.72	0.62	A
33	13.28	0.63	F8	83	11.66	1.12	G8 IV
34	13.41	0.69	F8	84	9.75	0.19	A1 V
35	12.92	0.79	B9 V	85	12.17	0.51	G0 V
36	10.70		K0 V	86	9.32	0.21	A2 IV
37	13.67	0.52	F6	87	13.10	0.60	G8
38	13.49	0.97	G5	88	14.10	0.71	A7
39	11.15	0.64	B5 III	89			F2 V
40	12.70	0.75	A3	90	9.51		F8 III
41	13.20	0.65	F5	91	10.01	0.09	A2 V
42	12.65	0.70	G5 V	92	12.61	1.66	K0
43	12.04	0.64	F5 V	93	13.94	0.81	K0
44	10.65	0.33	G0 V	94	13.03	0.33	G0
45	12.93	0.52	A5	95	13.93	0.63	A
46	9.99:	0.15:	F8 V	96	13.90	1.60	K7
47	9.69	0.15	A0 V	97	13.24	0.47	F5
48	12.26	0.31	F8 V	98	12.98	0.71	K0
49	10.63	0.25	B8 III	99	12.86	1.20	K2
50	12.00	0.46	A3 V	100	12.54	0.47	G2 V

No.	Mpg	CI	Sp
101	12.06	0.23	B9 V
102	10.42	1.06	G8 III
103	13.94	0.93	A5
104	13.83	0.71	G8
105	11.78	0.49	G2 V
106	13.57	0.64	F8
107	13.97	0.60	A5
108	13.48	0.59	G5
109	13.20	0.53	B5 III
110	12.03	0.23	AO V
111	11.70	0.23	FO V
112	13.69	1.36	K
113			
114	13.83	0.97	B2 I
115	12.44	0.32	A3
116			MO
117	11.44	0.35	G2 V
118	12.60	0.40	A2:
119	13.97	0.85	G8:
120	12.07	0.54	F6 V
121	13.72	0.46	B
122	13.59	0.79	G5
123	12.12	0.51	GO IV
124	13.48	0.53	G5
125	13.62	0.68	G8
126	9.64	0.37:	BO II
127	12.32	0.40	F8 III
128	13.67	0.81:	
129	13.49	0.43	A2
130	13.42	1.64	KO
131	13.92	0.73	BO
132	12.43	0.46	BO III
133	10.34	0.30	F8 V
134	13.05	0.62	G5
135	13.30	0.65	F
136	13.51	0.67	G8
137	11.77	0.39	G3 V
138	11.35	0.16	FO IV
139			K7
140	11.36	0.15	A1 IV
141	14.00	0.56	BO
142	13.33	0.20	B5 V
143	11.18	0.40	A7
144	13.33	0.42	A7
145	13.36	0.66	
146	13.49	0.34	B8
147			KO
148	13.48	0.76	G5
149	12.78	2.07	M2
150	13.78	0.92	A

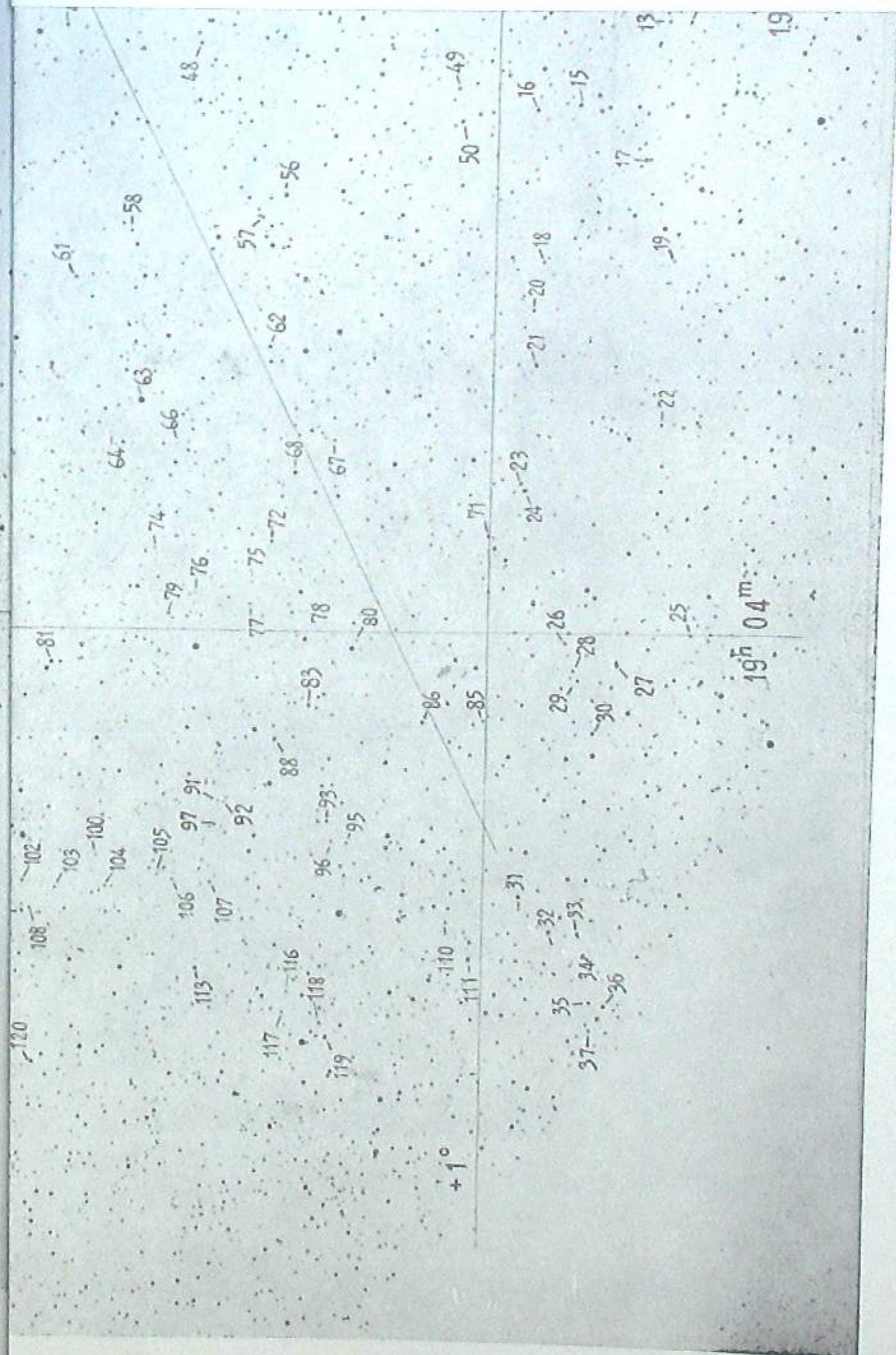
No.	Mpg	CI	Sp
151	13.21	0.24	B5 V
152	11.07	1.37	KO III
153			FO IV
154	12.80	0.27	B5 V
155	12.71	0.41	G3 V
156	12.08	0.37	F8 V
157	11.94	0.34	B9 V
158	13.46	0.29	B8
159	13.05	2.04	K7
160	12.73	0.32	A7
161	13.69	0.23	A1
162	13.05	0.20	B8 V
163	13.12	2.75	K7
164	13.30	0.39	BO V
165	13.09	0.78	G5
166	12.57:	0.33:	B8:
167	12.22	0.32	B8
168	13.76	0.69	A7:
169	12.72	0.75	BO I
170	11.73	0.33	GO V
171	13.09	2.21	M2
172	12.95	0.50	B5 III
173	11.68	0.44	A7 V
174	11.44		B8 V
175	10.29	0.33	09 II
176	12.47	0.33	F
177	13.72	0.26	B3 V
178	13.58	0.62	B2
179	11.65	0.29	F2 IV
180	12.81:	0.07:	A
181	13.12	0.36	A2
182	11.69	0.27	B8 V
183			MO
184	13.79	1.52	K3
185	11.09	0.12	AO V
186	12.46	0.49	G3
187	13.90	0.55	G
188	12.12	0.41	F2 III
189	13.52	0.60	A7
190	13.73	0.91	G8
191	10.45	0.19	B8 V
192	10.94	0.12	A5
193	13.29	1.34	K3
194	13.29	0.59	GO
195	12.79	0.40	F8
196	13.34	0.21	B-A
197	13.54	0.31	B3 V
198	13.00		F8 III
199			
200	13.48	0.93	

No.	Mpg	CI	Sp
201	12.05	0.24	B3 V
202	13.47	0.23	B5 V
203	12.98	1.67	MO
204	11.89	1.80	K5
205	12.79	0.51	BO III
206	13.23	0.60	GO
207	11.91	0.28	F2
208	13.23	1.25	K
209	14.30	1.80	K5
210	13.84	0.26	A2
211	12.17	0.32	F2
212	13.03	0.37	F5
213	13.57	1.12	F5 I
214	13.66:	0.58:	F
215	13.28	0.61	F5
216	13.54	0.54	F8
217	13.16	0.71	GO
218	12.86	0.43	GO
219	13.52	0.46	F8
220	13.58	0.51	B3 III
221			K7
222	13.16	1.36	K2
223	13.20	1.40	K5
224	11.92	0.21	B3 III
225	13.67	0.66	G
226	13.62	0.82:	FO
227	13.41	0.57	A2
228	13.39	0.82	
229	13.68	0.50	B2
230	11.16	0.12	B3 III
231	13.90	0.45	B5
232	13.00	0.34	BO V
233	13.46	0.51	F8
234	13.50	1.19	K2
235	11.57	0.30	B2 III
236	13.62	0.72:	GO
237	12.30	0.18	B5 V
238	13.28	1.68	K7
239	11.25	0.51	FO V
240	12.49	0.16	B5 V
241	12.99	0.55	B2
242	9.53		G8 III
243	11.72	0.43	F8 III
244	13.53	0.23	B8
245	12.88	0.47	F8
246	13.60	0.35:	B2 V
247	11.92	1.26	K3
248	13.78	0.17	B8
249	10.91	1.19	KO III
250	12.46	0.39	G2 V

No.	Mpg	CI	Sp
251	13.55	0.58	FO
252	13.43	0.50	B3e
253	13.72	0.49	F5
254	13.35	0.44	F8
255	12.64	0.26	B5 V
256	13.26	0.49	A
257			F2:
258	12.58	0.57	GO
259	13.67	0.83	KO
260	11.68	0.36	B2 II
261	13.09	0.29	A
262	13.62	0.06	A3
263	13.38	1.41	K3
264	13.53	1.03	K2
265	13.49	0.59	B2
266	11.27	0.27	F5 IV
267	10.21	0.24	F2 IV
268			G8
269	13.23	0.21	B3 V
270	13.55	0.44	BO
271	12.38	0.15	B8 V
272	12.85	0.21	B5 V
273	13.26	0.47	F8
Дополнение			
142a	13.83	0.65	B9
177a	13.59	0.47	

Карта II (Центр: R.A. 1950 19^h00^m; Dec. 1950 +3°)

No. Sp	No. Sp	No. Sp	No. Sp	No. Sp	No. Sp
+0°	11 MO	63 M	115 K7	44 M8	96 K7
1 M2	12 MO	64 M3	116 M2	45 M2	97 K5
2 MO	13 M2	65 M2	117 MO	46 MO	98 K7
3 M2	14 M3	66 M2	118 M3	47 M2	99 M2
4 MO	15 K7	67 MO	119 MO	48 K7	100 M2
5 K7	16 K5	68 MO	120 K7	49 MO	101 M2
6 MO	17 M3	69 M2		50 MO	102 M5
7 MO	18 K7	70 MO	+2°	51 K5	103 MO
8 MO	19 M2	71 K7	1 M2	52 M2	104 MO
9 M5	20 M2	72 M2	2 MO	53 K7	105 MO
10 MO	21 MO	73 M2	3 MO	54 M2	106 MO
11 MO	22 MO	74 M2	4 MO	55 M8	107 MO
12 MO	23 MO	75 MO	5 M	56 M2	108 MO
13 MO	24 M2	76 M2	6 M5	57 K5	109 MO
14 MO	25 M2	77 M3	7 K7	58 M3	110 M5
15 K7	26 M5	78 M2	8 M5	59 M3	111 M2
16 M3	27 MO	79 M3	9 K7	60 K7	112 M2
17 MO	28 MO	80 M2	10 M	61 MO	113 K7
18 M2	29 M3	81 M2	11 K5	62 M2	114 M3
19 MO	30 M2	82 MO	12 M8	63 MO	115 MO
20 K7	31 MO	83 MO	13 M2	64 K7	116 MO
21 MO	32 MO	84 K7	14 MO	65 MO	117 MO
22 M5	33 MO	85 MO	15 MO	66 MO	118 MO
23 M3	34 MO	86 M2	16 MO	67 MO	119 M2
24 M	35 MO	87 K7	17 MO	68 K7	120 MO
25 M2	36 MO	88 MO	18 K7	69 M5	121 M
26 -	37 MO	89 M3	19 K7	70 M2	122 M3
27 K7	38 MO	90 MO	20 K7	71 M2	123 MO
28 M3	39 MO	91 M3	21 K7	72 M2	124 K7
29 MO	40 M2	92 M5	22 MO	73 MO	125 M3
30 K7	41 M5	93 MO	23 K7	74 M3	126 K5
31 M2	42 MO	94 -	24 K5	75 K7	127 M
32 MO	43 MO	95 MO	25 MO	76 M2	128 MO
33 MO	44 MO	96 M2	26 MO	77 MO	129 M5
34 K7	45 MO	97 M3	27 MO	78 M2	130 M3
35 MO	46 M3	98 M2	28 MO	79 M2	131 MO
36 MO	47 K5	99 M5	29 K5	80 K7	132 K7
37 M3	48 K7	100 M2	30 K7	81 K7	133 M8
+1°	49 K5	101 MO	31 MO	82 MO	134 K7
1 MO	50 MO	102 M3	32 MO	83 M2	135 MO
2 MO	51 MO	103 MO	33 M2	84 MO	136 M3
3 M2	52 M2	104 M3	34 K7	85 K5	137 MO
4 K7	53 M2	105 M3	35 K7	86 M2	138 K5
5 K7	54 MO	106 M3	36 M3	87 M2	139 MO
6 M2	55 M2	107 M3	37 MO	88 M3	140 M2
7 K7	56 M5	108 MO	38 MO	89 M3	141 K7
8 MO	57 M2	109 MO	39 K7	90 MO	142 M
9 K5	58 M3	110 M3	40 K5	91 Be	143 MO
10 M5	59 MO	111 K	41 M2	92 MO	+3°
	60 M2	112 MO	42 K7	93 MO	1 K7
	61 M2	113 K5	43 K5	94 M2	
	62 K7	114 MO		95 M2	



Sp	No.	Sp	No.	Sp	No.	Sp	No.	Sp	No.	Sp
M2	36	M0	70	M2	104	K5	12	M0	46	K7
M2	37	K7	71	M3	105	M0	13	M2	47	M0
M2	38	M2	72	K5	106	M3	14	M0	48	M0
M0	39	M0	73	M3	107	K7	15	M2	49	M2
K5	40	K7	74	M	108	M8	16	M	50	M0
K7	41	M3	75	M2	109	M0	17	M	51	M3
K7	42	M2	76	M3	110	K7	18	M2	52	K7
K5	43	M2	77	K7	111	M0	19	M0	53	M2
M5	44	K7	78	M0	112	M5	20	M2	54	M0
K7	45	M0	79	M3	113	M0	21	M2	55	K5
M0	46	K5	80	M0	114	M	22	K7	56	M
K7	47	M0	81	K5	115	M3	23	M3	57	M0
K5	48	K7	82	M0	116	M0	24	M0	58	M2
M2	49	K7	83	K7	117	M0	25	M0	59	M2
K5	50	M3	84	M0	118	M0	26	M0	60	M0
M0	51	M0	85	M3	119	M2	27	K7	61	K
M0	52	M0	86	K	120	M0	28	K7	62	M0
M0	53	M0	87	M	121	M2	29	M2	63	M
M0	54	M0	88	M0	122	M0	30	M0	64	M0
M0	55	M3	89	M3	123	K5	31	M0	65	M0
M3 ^e	56	M3	90	M2			32	M2	66	K7
K5	57	K5	91	K7	+4 ^o		33	M0	67	M3
M3	58	K7	92	M2			34	M2	68	M3
K5	59	K5	93	M5	1	M2	35	M2	69	M
M0	60	M2	94	K	2	M0	36	M0	70	K7
K7	61	M0	95	M2	3	K7	37	K7	71	M3
M5	62	M0	96	K7	4	M0	38	M3	72	K7
K7	63	Be	97	K7	5	M0	39	M0	73	M0
M2	64	M2	98	M2	6	K7	40	K7	74	M2
M2	65	M5	99	M2	7	M2	41	K7	75	M2
M0	66	M2	100	M	8	M3	42	M2	76	M0
M2	67	M3	101	M2	9	M0	43	M0	77	K7
M5	68	M0	102	K7	10	M5	44	M2		
M3	69	M2	103	M3	11	M	45	M0		

Карта III (Центр: 18^h40^m; -3°45')

No.	R.A.1950	Dec.1950	Mpg	CI	Sp	No.	R.A.1950	Dec.1950	Mpg	CI	Sp
1	18 ^h 34 ^m 05 ^s	-2°48.3	10.11	0.40		51	18 ^h 37 ^m 23 ^s	-2°39.2	11.64	1.23	K7 V
2	13	40.7	12.90	0.62	A7 V	52	32	40.7	13.08	0.70	A2 V
3	22	43.1	15.34	3.45	GO	53	34	53.6	14.38	0.85:	A2 V
4	22	45.1	9.79	0.44	M5	54	35	44.2	11.81	0.40	B9 V
5	22	55.5	13.75	0.53	F2 V	55	39	44.8	12.57	0.46	B3 III
6	25	51.7	13.77	0.95	B8 V	56	44	53.1	13.20	0.54	B5 III
7	28	45.7	14.27	2.21	F5	57	45	45.6	12.56	0.48	F8 IV
8	40	41.2	12.89	3.02	K2	58	50	49.1	13.37	1.21	B2 I
9	43	55.8	9.12	0.37	M5 I	59	51	40.9	12.01	1.60	G8 II
10	45	59.2	13.35	0.70	A7 V	60	51	50.9	14.23	0.68	B8 V
					KO	61	53	46.8	12.62	0.57	B8 V
11	46	55.5	9.40	0.72		62	54	59.2	14.14	0.89	B3
12	35 05	59.3	11.62	0.69	GO I	63	57	48.0	13.06	0.43	B3 III
13	17	56.3	13.70	0.89	G5 V	64	38 02	43.8	10.44	0.84	K2 V
14	23	57.4	11.06	0.27	F8	65	07	51.7	13.10	0.66	AO
15	24	49.0	13.02	2.18	FO V	66	16	41.9	12.32	0.42	A3 V
16	31	50.9	14.07	1.01	K2	67	19	56.2	14.84	1.08	B
17	33	54.7	12.47	0.65	B5 I	68	31	49.4	13.92	1.03	B8 II
18	34	51.5	14.38	1.17	A5 V	69	34	50.0	10.78	0.65	B5 III
19	50	55.5	12.49	0.70	B8	70	37	54.7	14.60	1.12	FO
20	52	53.5	15.28	3.28	A2 I	71	40	54.7	12.12	1.09	G2
					M3	72	40	54.1	12.78	0.60	B5 V
21	36 07	55.8	14.12	1.00		73	43	53.5	14.58	0.94	AO
22	16	41.8	13.12	0.64	B5 I	74	50	53.2	14.16	1.27	F8
23	18	48.7	14.49	1.37	GO	75	50	57.7	14.15	1.00	F5
24	18	54.2	12.80	0.74	FO	76	51	47.9	13.56	0.90	B3e III
25	21	40.7	13.26	0.75	G2 I	77	55	41.5	11.63	0.61	F5 IV
26	22	48.7			G5 V	78	57	52.1	14.08	0.91	A2
27	25	49.8	12.97	0.91	B5	79	39 01	51.3	14.17	1.01	B8
28	28	59.8	13.21	1.05	G5	80	03	53.6	14.97	1.16	B8
29	30	56.4	14.23	0.66	F8 I	81	04	53.2	15.28	1.15	AO
30	32	52.0	13.97	1.23	B3 V	82	21	39.4	14.42	1.23	B2 I
					F8 I	83	21	50.2	14.37	2.69	K2
31	33	45.1			B8	84	24	38.9	11.37	0.64	G5 III
32	43	43.0	13.11	0.85	GO	85	38	52.8	14.63	1.04	G
33	44	50.2	11.68	0.29	A1 V	86	44	40.9	12.82	0.64	B3*
34	46	47.2	14.02	1.00	A2	87	45	47.0	14.53	0.93	A
35	48	45.2	14.20	0.81	B8 V	88	51	57.0	12.90	0.95	KO V
36	50	54.9	12.75	1.77	GO I	89	54	49.8	14.14	1.19	A8
37	51	52.8	13.64	0.79	B9 V	90	54	57.8	14.49	1.55	G
38	52	43.0	14.79	1.06	B8	91	40 01	52.8			K7
39	53	42.2	14.52	0.85	AO	92	06	47.5			B8
40	59	54.6	12.79	0.68	B8 I	93	07	55.4	12.82	0.78	B0 V
					F5 I	94	09	45.7	13.95	1.07	B5
41	37 08	46.8	11.97	0.47	F2 I	95	12	46.8	14.54	1.61	A-F
42	10	51.3	11.58	0.61	B5	96	15	48.4			B3
43	12	58.9	14.09	0.96	FO V	97	18	58.6	13.43	3.18	K7 I
44	16	45.0	10.83	0.45	AO	98	27	41.5	14.46	1.65	G
45	18	57.9	14.16	0.76	G5	99	30	49.1	14.14	1.18	F8
46	19	51.4	13.51	1.20	M5	100	38	58.1	12.04	0.35	F8 V
47	19	53.2	14.71	2.92	F8						
48	21	47.9	14.38	1.90	AO V						
49	22	49.9	12.84	0.59	A3						
50	22	57.9	10.31	0.39							

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp	No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
101	18 ^h 40 ^m 41 ^s	-2 ^o 44.0	14.16	1.03	B2						
102	41	56.0	14.99	1.21	B8	151	18 ^h 43 ^m 52 ^s	-2 ^o 57.1	10.72	0.41	F5 IV
103	45	58.5	13.06	0.95	B5	152	44 19	54.7	14.58	1.05	F6
104	46	56.9	14.50	1.73	B-A	153	33	39.2	12.29	1.47	B0 Ia
105	49	56.6	14.02	1.11	B0	154	41	42.3	12.71	1.56	K5
106	52	40.4	12.78	0.97	B5	155	45 09	54.3	14.69	1.06	B-A
107	54	47.7	15.29	1.47	B2	156	18	51.8	12.32	1.77	G5 I
108	55	40.5	14.62	1.14	F2	157	18 33 57	-3 41.4	12.82	0.62	G0 IIII
109	41 07	41.2	13.23	0.74	F8	158	34 02	22.7	13.03	0.64	A0 V
110	21	54.4	14.55	1.09	B5	159	05	38.7	10.19	0.82	F6 I
						160	11	12.4	10.58	0.51	F8 IV
111	25	59.8			G5 I						
112	37	44.5	13.07	0.55	G0 I	161	18	03.8	13.47	0.36	
113	39	53.7	13.38	0.99	A3	162	20	34.0	8.57	0.12	F2 V
114	44	55.3	12.98	0.76	F8 I	163	20	42.0	14.02	1.28	B8
115	45	52.6	15.58	2.70	K5 I	164	22	43.3	13.08	2.28	K2 I
116	48	42.8	14.49	1.25	B3	165	22	46.2	14.96	0.51	A2
117	49	52.0	13.80	1.22	A2	166	23	51.0	10.94	0.60	G2 II
118	55	39.6	13.36	0.82	A3	167	24	51.2	11.43	0.74	G5 IIII
119	55	45.1	13.66	0.66	F8	168	26	45.6	14.55	0.78	A2
120	42 01	48.7	14.62	0.98	B3	169	27	04.0	12.39	1.75	G5 IIII
						170	28	27.8	12.17	0.95	G2 IIII
121	12	49.5	10.98	0.30	F6 V	171	34	45.5	14.87	0.93	B5
122	12	53.8	14.03	1.09	B0	172	40	09.9			A1 VI
123	13	50.0	12.48	0.56	G0 V	173	40	43.3	14.18	1.26	F8
124	13	58.6	10.57	0.37	F2 I	174	40	47.5	11.70	0.59	F2 IIII
125	14	55.3	12.97	0.83	F8	175	41	45.2	13.34	3.00	M5 I
126	15	53.0	13.58	0.73	B3	176	42	43.5	14.99	0.96	B5 V
127	17	53.1	13.12	0.70	F8 I	177	46	06.5	10.38	0.37	A2 IV
128	18	54.0	14.78	1.05	B-A	178	48	49.8	13.17	1.00	B2 IIII
129	21	51.0	13.99	2.08	K5	179	51	27.2	13.54	1.27	B-A
130	26	53.3			B8 V	180	51	39.7	13.20	0.53	B5
131	34	55.3	15.26	1.15	B5	181	51	44.7	13.65	3.11	M5 I
132	36	51.8	15.01	2.64	K5	182	52	04.9	11.49	0.73	G5 IIII
133	36	53.5	14.85	0.68	B	183	53	07.8	13.36	0.84	G0
134	40	49.5	12.64	0.93	B3 I	184	56	45.0	13.83	1.25	B5
135	40	59.9	13.65	3.36	M2 I	185	57	41.4	14.26	0.61	B5
136	43	51.9	14.70	1.21	B0	186	57	48.0	13.88	1.11	B8 I
137	46	59.9	13.20	0.92	B2	187	59	41.2	12.99	0.97	G8 V
138	51	47.7	12.85	1.05	B2 I	188	35 02	11.6	10.49	0.55	F2 II
139	51	52.8	14.20	1.06	B0	189	03	04.3	12.61	0.75	G2
140	55	50.5	14.37	1.16	B8 V	190	05	07.1	13.47	0.83	B3 IIII
141	43 02	48.3	12.86	0.64	F8	91	07	07.8	13.97	0.80	B8 V
142	07	45.3	13.16	0.73	G5 V	92	10	11.7	12.73	0.69	F8 IIII
143	08	48.3	14.94:	0.92:	F0	93	10	20.7	13.51	0.75	B5
144	10	49.1	15.53	1.33	A0	94	10	24.5	13.55	1.24	B0 I
145	12	55.3	14.16	1.10	K0	95	10	57.0	14.07	1.02	B5
146	16	58.8	14.24	1.32	B3	96	11	13.0	14.29	0.79	B5
147	18	46.8	13.78	1.21	B3	97	11	38.0			B8
148	26	45.5	11.23	0.34	A2 V	98	11	44.5	12.86	0.26	B8
149	44	46.1	11.00	0.39	A8 V	99	12	48.0			G2 IIII
150	48	58.8	13.20	0.73	F8 I	100	14	10.0	11.15	0.60	B5 IIII

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
201	18 ^h 35 ^m 14 ^s	-3° 14.2	14.52	1.07	B
202	15	16.2	13.40	0.50	B9
203	17	38.4	14.75:	0.92:	B
204	18	14.9	14.31	2.32	K5
205	18	36.4	14.53	3.27	MO
206	19	10.1	12.71	0.71	A1 V
207	20	23.6	14.29	1.65	K
208	20	24.8	13.51	1.04	F8
209	21	35.0	13.91	0.97	F8
210	21	41.2	14.74	1.14	AO
211	21	46.0	14.23	2.96	K5
212	23	06.6	13.33	1.92	K2
213	24	55.0	13.90	1.24	AO
214	28	20.9	14.32	0.99	B8
215	28	38.0	13.95	0.83	B8
216	29	47.8	14.75	0.95	B3
217	30	02.6	11.73	0.50	F2 IV
218	32	01.9	13.65	2.62	K5 I
219	32	17.2			B3
220	32	28.5	14.48	1.30	AO
221	33	32.3	14.34	0.97	F
222	34	26.2	15.05	2.79	K2
223	35	05.4	13.85	0.84	B8
224	36	44.0	13.96	1.04	GO
225	38	12.9	13.55	0.91	B8
226	38	19.2	14.64	1.35:	A-F
227	40	08.9	12.00	0.27	A2 V
228	41	29.4	15.59	3.60	K7 I
229	42	14.6	13.96	0.91	B5
230	43	27.8	14.02	1.60	F8
231	46	17.4	14.28	0.96	B8
232	46	30.0	13.69	1.23	F8
233	50	05.6	12.20	0.49	A2 V
234	50	17.5	11.87	0.36	B5 V
235	52	19.6			F2 V
236	52	41.4			F5 V
237	53	22.3	12.13	0.45	B3 V
238	53	40.6	14.64	0.73	B8
239	53	45.0	13.77	0.86	B8
240	53	52.3	13.53	0.99	F5 II
241	54	26.4	12.56	0.86	BOe I
242	57	34.6	14.23	1.14	GO
243	59	44.3	10.94:	0.69:	K2 V
244	36 02	52.2	10.85	0.56	G2 IV
245	03	12.9	13.24	0.79	B3 V
246	07	42.0	13.18	0.72	B8 V
247	08	09.4	13.10	0.74	F5
248	08	32.3	14.09	1.11	B8
249	09	41.8	13.97	0.85	B5
250	10	25.7	12.47	0.64	GO II

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
251	18 ^h 36 ^m 12 ^s	-3° 06.2	13.41	0.68	GO
252	12	27.8	13.80	0.83	B8
253	14	14.3	13.04	0.84	B8 III
254	15	20.7	11.70	0.37	B5 III
255	17	36.0	11.98	0.50	GO III
256	19	08.0	13.37	0.80	GO
257	20	18.5	13.39	1.15	B8 I
258	30	02.5	12.69	2.13	K5
259	38	11.6			B9 IV
260	39	54.2	14.22	0.94	F
261	42	24.8	12.26	0.60	F8 III
262	42	48.6	12.55	0.53	FO
263	42	50.4	11.46	0.31	F6 V
264	48	02.6	13.48	0.26	AO V
265	48	00.7	14.23	0.76	B5
266	48	11.1	14.31	1.44	K2
267	51	11.5	14.41	0.79	B8
268	51	48.5	14.43	0.86	AO
269	54	21.8	13.21	0.91	F8
270	58	50.2	12.75	1.11	K2
271	37 00	08.2	11.99	0.45	F5 III
272	03	04.8	12.29	0.55	F8 III
273	05	53.5	13.73	1.02	F8
274	05	59.0	11.53	0.37	AO V
275	06	03.7	13.07	0.54	B8 III
276	07	02.2	11.69	0.51	A2 V
277	08	09.6	8.99	0.16	A5
278	08	38.3	12.16	0.56	F6 IV
279	09	22.4	13.76	0.90	F8
280	09	33.0	12.50	0.59	A7
281	11	21.0	14.34	1.21	B2
282	11	28.2	12.59	0.66	G2 III
283	12	47.0	14.72	0.86	
284	14	41.8	14.18	1.12	B8
285	15	04.3	13.03	1.85	K5
286	15	56.4	14.20	0.99	B8
287	16	00.4	13.26	1.04	K2 V
288	18	20.0	10.47	0.37	AO V
289	21	41.0	12.76	0.67	GO
290	22	13.9	12.86	0.94	F2
291	22	51.7	13.78:	1.79:	K3
292	23	44.4	14.60	1.00	A7
293	25	12.8	14.18	0.92	B5
294	27	01.5	13.48	0.53	B5
295	28	46.2	11.39	0.42	G2 V
296	28	50.7	10.82	0.62	G8 V
297	28	55.1	14.09	1.02	K2
298	30	02.1	12.92	0.71	A2 V
299	37	09.1	10.89	0.20	B9 IV
300	38	19.7	13.83	1.10	B5

No.	R.A.1950	Dec.1950	Mpg	CI	Sp	No.	R.A.1950	Dec.1950	Mpg	CI	Sp
301	18 ^h 37 ^m 39 ^s	-3 ^o 32.6	14.09	1.35	G	351	18 ^h 38 ^m 41 ^s	-3 ^o 37.6	11.58	0.30	F8 V
302	45	28.4	10.92	0.47	F8 V	352	42	35.3	12.91	0.68	G5 V
303	46	45.8	12.99	0.60	B3 I	353	42	50.4			A7
304	46	52.2	11.56	1.37	K2 I	354	51	30.0	13.67	0.57	G5 V
305	47	14.7	13.57	1.09	B8	355	51	31.0	13.87	0.71	B5 V
306	47	17.5	13.85	1.95	K5	356	51	40.7			B
307	48	15.0	14.63	1.10	B8	357	51	47.3			F
308	48	28.4	14.47	0.94	B8	358	51	59.0	11.90	0.31	F0 III
309	50	00.2	13.16	0.60	F5	359	52	15.8	11.79	0.61	B5 III
310	50	02.1	12.36	0.59	F8	360	52	41.4	13.43	0.61	B8
311	50	12.0	13.60	0.73	B5 V	361	54	23.0	12.44	0.68	A7 III
312	50	25.3	12.12	1.65	G0 I	362	57	40.5	13.57	2.02	K0
313	51	17.9	13.50	1.06	G5 I	363	57	56.0	9.76	0.39	G0 V
314	51	51.0	12.84	0.38	F8 V	364	39 00	42.4	13.37	0.68	B8
315	51	58.0	12.78	2.12	K5	365	01	58.4	11.28	0.32	G0 V
316	52	49.6	12.88	0.61	A3	366	02	07.3	11.83	1.79	K2 III
317	52	55.0	11.28	0.24	F8 V	367	03	50.7	13.32	0.95	B3
318	52	56.0	12.32	0.20	F8 V	368	07	16.9	13.85	0.84	A7
319	54	42.1	12.29	1.17	K2 V	369	09	56.5	12.01	0.40	A2 V
320	55	52.0	12.28	0.59	G2	370	13	39.5	13.40		A0
321	57	05.6			F8	371	13	48.2	14.17	1.03	A0
322	58	46.7	13.85	0.77	F8	372	13	14.7	14.24	2.79	M3 III
323	58	59.5	14.34	1.89	G5	373	16	00.8	12.72	0.68	F8
324	59	01.9	11.12	1.52	K0 I	374	17	41.0	12.86	0.80	B2
325	59	32.1	14.20	1.11	F5	375	18	05.4	14.10	0.76	G
326	59	47.5	13.32	0.64	B5	376	19	42.7	12.85	0.60	B9
327	38 05	55.5	13.46	0.54	B5eV	377	19	48.8	14.02	1.07	C5
328	06	57.8	14.18	0.87	A0	378	20	42.5			A0
329	08	03.9			F2 V	379	23	57.0	11.86	0.22	A0 V
330	09	29.8	11.47	0.76	B3 I	380	27	57.5	11.52	0.29	B5 III
331	10	26.8	10.75	0.31	F2 I	381	29	55.5	12.99	0.73	B8 V
332	11	51.1	13.02	0.58	B5	382	32	46.6	12.99	3.02	M0 I
333	12	28.5	13.40	1.81	K0	383	34	36.4	12.62	0.05	F6 V
334	18	31.4	13.11	1.08	B8 I	384	36	44.4	13.34	0.73	F5
335	18	44.4	12.20	2.64	K5 I	385	37	48.1	12.82	0.56	F8
336	19	29.4	13.74	0.61	B8	386	38	48.7	13.77	0.75	F8
337	19	59.5	13.82	0.81	B8	387	39	29.0	13.97	1.79	G8
338	21	48.0	11.86	0.59	A3 V	388	39	56.8	12.93	0.53	B5 III
339	22	02.3	11.49	0.46	F6 I	389	40	07.1	13.78	1.06:	F8
340	27	36.2	12.63	0.67	G2 V	390	44	12.3	14.50	1.76:	G8:
341	29	06.8	13.57	0.89	F8	391	44	27.5	13.14	0.59	F8
342	30	29.0	13.82	0.70	A0	392	47	51.2	10.75	0.07	F2 V
343	30	29.8	13.06	0.64	B8	393	49	57.5	13.98	0.78	B5
344	32	48.7	12.77	1.64	K0	394	50	49.0	13.95	1.01	B2
345	33	25.2	10.09	0.09	A2p	395	52	55.5	13.59:	0.66:	B8
346	35	37.0	12.84	0.95	B5 I	396	53	48.5	13.01	0.73	G8
347	36	52.5			K2 I	397	55	35.7	13.83	0.95	
348	37	21.8	13.30	1.81	K2 I	398	55	55.3	10.61	0.11	A3 V
349	38	10.0	9.46:	0.68:	K0 V	399	59	37.5	14.38	0.85	
350	38	23.8	14.85	2.77	MO	400	59	59.5	13.40	1.59	K0
								45			

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
401	18 ^h 40 ^m 01 ^s	-3°12'.1	13.00	0.69	A5
402	02	47.8	12.13	0.53	B9 V
403	05	35.7	13.66	0.69	G0
404	06	10.6	13.09	0.57	F0
405	08	17.5	14.03	0.89	B5
406	09	31.8	13.09	1.09	B0e
407	10	34.6	14.26	1.33	B3
408	10	46.8	14.28	0.91	G0
409	13	34.5	14.97	1.09	A
410	13	42.0	11.87	0.23	F2 V
411	14	28.5	13.98	1.03	B5
412	15	43.0	11.83	0.21	F2 II
413	17	29.4	12.38	0.63	G2 V
414	17	56.5	11.56	0.58	B0 II
415	18	58.9	14.39	1.27	A2
416	20	34.8	14.12	1.04	B5 II
417	21	43.0	12.78	0.94	B5 II
418	21	59.0	12.65	0.85	B8 II
419	23	11.7	13.25	0.80	G0
420	23	47.4	13.72	2.21	K5
421	28	43.3	12.91	0.53	F6
422	29	40.4	13.32	0.75	A7
423	34	02.9	12.50	0.84	G8 II
424	35	15.8	14.63	1.10	B
425	35	18.0	13.81	1.32	F8
426	37	57.5	12.25	0.37	F5 II
427	38	12.4			B8
428	41	42.6	12.72	0.40	B8 V
429	42	47.4	13.41	0.72	B-A
430	43	29.2	12.18	0.83	B3 II
431	44	48.0	12.13	0.66	B3 V
432	45	42.7	13.53:	0.63:	G0
433	47	40.8	10.50	0.54	O9 II
434	47	46.8			A2
435	48	42.3	12.69	0.49	Be
436	50	34.8	12.92	3.00	M0
437	51	39.1	12.30	0.33	A0
438	51	49.5	11.16	0.59	B2e
439	52	24.0	13.25	0.60	A0
440	56	17.0	14.63	1.23	A
441	57	40.5	14.00	1.86	K2
442	58	20.4	14.23	0.87	A2
443	58	38.6	13.19	0.91	B5
444	41 01	12.0	13.33	0.45	F5
445	01	27.8	13.92	0.92	Be
446	01	39.6	12.65	0.63	F8
447	01	47.0	13.28	0.90	B5
448	02	40.1	12.80:	0.42:	B3
449	02	16.6	14.43	0.96	A2
450	03	42.3	11.44	1.09	G8

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No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
451	18 ^h 41 ^m 03 ^s	-3°56'.2	14.02	1.20	F2 I-II
452	04	04.1	14.47	2.94	M5
453	09	23.5	14.28	0.88	B
454	10	45.9	13.62	1.84	K0
455	14	07.9	14.50	0.94	A0
456	14	56.0	13.72	1.51	F8 I
457	16	46.4			B5
458	17	27.6	14.18	0.78	B5
459	19	02.0	14.16	1.12	A2
460	19	05.4	14.33	1.12	A2
461	22	58.7	13.04	1.07	A7 III
462	23	02.4	11.42	0.47	G0 V
463	23	51.2	12.88	0.93	B5 II
464	24	55.0	14.17	0.98	A
465	25	45.6	13.28	0.83	B5 III
466	26	46.4	12.42	0.58	B3
467	27	40.0	13.04	0.85	B5 III
468	28	20.0	11.79	0.17	F0 V
469	29	11.6	12.64	0.50	B2 V
470	29	40.6	13.59	0.53	B5
471	29	47.3	13.04	0.76	B3 III
472	32	49.5	13.23	0.75	A3
473	33	15.5	10.13	0.76	G8 V
474	36	10.4	14.38	1.42	A0
475	37	09.0	12.49	0.65	F2 III
476	37	51.3	12.57	0.94	WR
477	38	35.0	13.11	0.70	G0
478	39	25.6	13.78	0.45	B5 V
479	40	34.6	15.12	0.79	B5
480	41	34.6	14.15	0.87	A2
481	43	52.3	14.14	0.80	G0
482	45	45.2	13.01	2.79	K7 I
483	46	25.8	13.47	0.64	A7
484	46	30.1	14.86	0.84*	B5
485	50	27.5	14.10:	0.86:	B2
486	50	41.6	14.51	1.15	A7
487	55	10.0			F2
488	55	41.5	13.45	0.66	B0 V
489	56	19.6	10.06:	0.67:	G5 III
490	57	10.3			B8
491	57	34.7	13.87	0.89	B9 V
492	58	10.0	12.73	0.55	G5 V
493	58	16.4	13.36	0.74	B0 V
494	42 02	39.0	12.96	0.78	B0
495	04	11.1			G5
496	05	22.2	13.87	1.19	A5
497	06	33.5	13.80	1.40	K2
498	07	57.7	13.91	0.58	A5
499	08	17.8	13.33	0.72	B3 V
500	13	05.5	13.15	0.47	B9

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No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp	No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
501	18 ^h 42 ^m 14 ^s	-3 ^o 35.7	10.29	0.27	A2 IV	551	18 ^h 45 ^m 13 ^s	-3 ^o 55.5	15.01	0.83	A2 V
502	15	56.6	14.02	0.72	B0 V	552	14	49.6	15.01	0.92	B8 III
503	16	16.6			B5 V	553	16	53.0	14.66	1.01	B8
504	17	33.2	11.31	0.48	G2 V	554	18 33 57	-4 26.3	13.22	0.55	B5 VI
505	19	06.8	14.49	0.92	A5	555	34 00	35.3	13.39	1.77	K0
506	20	52.0	11.99	1.19	B0 I	556	02	35.5	13.27	0.40	A2 V
507	32	07.1			K2	557	02	47.7	14.24	0.57	A2 V
508	32	09.5	12.21	0.27	F2 V	558	04	27.0	13.93	1.70	F8
509	39	36.2	13.62	1.04	F8	559	09	49.2	13.70	0.82	A7
510	56	05.3	12.36	0.74	B2 I	560	09	53.3	11.73	0.32	F2 V
511	56	07.5	14.08	1.09	B8	561	13	24.0	13.77	0.79	B5 III
512	43 04	30.1	13.96	1.14	A7	562	15	00.2	11.00	1.65	G0 I
513	05	16.4	13.42	0.90	F5	563	16	41.5	12.39	2.85	K5 I
514	07	21.8	11.32	0.30	G0 V	564	17	54.2	12.27	0.63	F5 III
515	11	06.2	10.90	0.18	F0 V	565	18	53.4	13.22	3.05	K5 I
516	16	01.4	14.38	1.31		566	19	05.9	13.76	1.05	B5 III
517	24	57.1	12.67	0.51	A3 V	567	19	17.5	14.45	2.65	K7
518	26	01.9	13.96	0.92	G8 V	568	19	32.4	14.79	0.94	A
519	27	00.8	15.08	1.35	K5	569	20	55.0	13.09	0.60	A7
520	33	11.0	14.43	1.40	F5	570	22	30.1	14.59	1.18	A0
521	38	27.1	12.88:	0.84:	G8 V	571	25	46.5	14.18	0.40	B5 V
522	39	19.2	14.02	1.08	K2 V	572	27	30.5	14.63	1.01	K0
523	41	08.2	11.57	0.11	A0 V	573	27	40.2	13.45	2.40	K2
524	42	20.2	13.20	0.59	G0	574	27	45.8	13.50	0.37	B9 V
525	46	29.0	13.52	0.87	F2	575	28	37.5	12.73	0.58	F2
526	58	05.3	11.27	0.27	F6 V	576	28	55.0	12.93	0.24	B8 V
527	44 04	41.4	13.83	1.24	G5	577	29	16.9	11.97	0.21	A5 V
528	09	58.8	14.03	1.20	A7	578	31	31.6	12.85	0.67	F5
529	19	16.2	15.22	1.34	A	579	32	20.4	14.01	0.69	B3 VI
530	21	50.2	9.39	0.00	A3 V	580	32	33.5	14.22	1.00	B2
531	22	52.6	12.15	0.44	F5 V	581	32	37.6	14.34	0.60	A7
532	26	11.0	13.94	1.24	F8	582	33	40.5	13.66	0.54	A3 V
533	29	47.5	14.61	0.62	B5 V	583	33	51.1	13.64	0.54	A2 V
534	30	45.0	14.04	1.37	G0	584	33	56.2	10.96	1.66	G5 III
535	42	53.0	11.42	0.76:	F5 I	585	36	38.3			F2 V
536	46	49.0	10.89	0.31	F8 V	586	37	13.2	14.78	1.25	B3
537	48	18.8	15.12	1.80	A2	587	37	42.8	12.57	0.63	F2
538	49	41.4			K5 I	588	39	31.5	13.11	1.05	F0
539	53	54.2	14.80	0.90	B3	589	43	13.7	14.31	1.34	F8
540	54	46.0	14.25	1.12	B3	590	44	48.0	14.00	2.15	G8
541	57	46.0	14.35	0.99	B5	591	44	54.1	12.08	0.39	B5 V
542	58	55.0	15.21	0.93	B3	592	45	14.4	13.83	0.46	A5
543	45 00	51.2	14.33	1.04	A2	593	47	58.4	14.43	0.85	B9
544	01	54.6	13.74	1.10	B8	594	47	11.9	13.85	2.65	K2
545	02	59.0	13.84	1.03	A2	595	49	03.9	12.75	0.68	B5 V
546	03	01.5	12.28	0.59	F8 IV	596	50	54.8	13.61	3.33	K5 I
547	09	50.0	14.29	0.69	B9 V	597	51	17.7	13.39	0.45	A7
548	10	59.9	14.12	1.03	F6 V	598	52	31.8	12.15	0.49	G3 V
549	11	52.1	13.01	0.74	B8 V	599	55	15.2	11.68	0.78	G0 IV
550	11	57.5	13.10	0.77	B8 V	600	35 00	58.8	12.15	0.57	F0

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
601	18 ^h 35 ^m 01 ^s	-4°17.3	14.63	3.45	K5 I
602	02	01.5	11.36	0.59	A7 III
603	02	33.8	14.30	1.13	B5
604	03	19.1	13.78	0.92	A2
605	03	24.8	13.97	0.87	B5
606	03	59.5	12.72	0.94	G5 III
607	06	40.5	13.15	0.65	B5 VI
608	09	03.4	14.29	1.67	K2
609	09	41.4	10.71	0.62	B5 III
610	10	00.5	14.70	1.33	B5 VI
611	10	06.4	13.00	0.61	A5
612	10	10.5	11.91	0.31	A0 V
613	10	31.4			G0 IV
614	10	41.7	12.25	0.21	B8
615	12	40.0	13.47	0.66	G0
616	14	28.6	12.89	0.80	A3
617	15	16.1	14.07	1.04	B5
618	17	55.8	13.41	0.47	A2 IV
619	18	49.4	12.13	1.79	K5 III
620	19	20.3	13.34	1.05	A0
621	21	46.6	13.18	0.56	
622	22	42.0	13.88	0.95	A5
623	24	55.2	13.97	0.33	A3
624	26	16.8	11.28	1.58	G8 III
625	26	52.3	14.09	1.07	B8
626	28	47.4	13.73	0.17	B8 II
627	28	52.2	13.42	0.25	B8
628	30	39.0	13.95	0.45	A0 V
629	30	44.6	12.44	0.27	B9 V
630	30	56.7	13.47	0.32	A2 V
631	31	26.6	14.45	1.05	B3
632	31	53.5	13.76	1.41	A7
633	32	24.0	12.84	2.01	F8 I
634	32	50.0	13.71	0.84	B8 V
635	33	56.0	10.04	0.17	A0 V
636	34	20.0	13.37	0.78	B5 III
637	34	05.2	11.98	0.45	F8 V
638	34	39.5	14.18	0.56	A2 V
639	34	54.2	13.98	1.01	F
640	36	52.2	12.88	0.22	A2 V
641	40	42.5	13.90	0.24	A7
642	40	48.9	11.16	0.74	F5 IV
643	42	09.6	13.07	0.76	B0
644	42	31.6	13.39	0.71	
645	42	32.8	14.02	0.98	
646	43	50.0	13.44	0.21	A5
647	44	48.9	14.15	0.55	B8 V
648	44	57.8	12.53	0.41	A0 V
649	45	04.6	14.47	3.36	K5 I
650	45	32.0	14.48	1.34	K2

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
651	18 ^h 35 ^m 45 ^s	-4°45.1	12.32	0.41	F2 V
652	46	59.0	13.12	0.18	B5 V
653	47	05.3	12.56	0.53	B5 V
654	47	35.6	10.23	1.10	G8 III
655	47	45.5	13.78	0.71	A2
656	48	37.6	13.24	0.45	B5
657	48	47.0	13.32	0.83	A7
658	50	27.2	14.44	3.61	K7 I
659	50	43.0	12.93	0.60	B8
660	51	58.9	13.52	0.96	F6
661	52	55.8	13.95	0.39	A5
662	53	36.7	12.53	0.52	B5 III
663	54	21.8	11.96	0.49	F0 IV
664	54	22.4	11.19	2.54	K5 I
665	54	40.3	13.65	0.35	B9
666	54	59.5			F8
667	56	59.5	11.46	0.51	B5 V
668	57	04.4	12.08	1.05	A5 I
669	57	56.7	11.30	1.74	K0 III
670	36 05	24.0	13.04	2.38	K5 III
671	05	38.2	12.29	0.19	B9 V
672	05	52.5	11.45	0.76	G5 V
673	07	57.5	10.77	0.19	B5 V
674	08	47.8	9.80	0.51	F0p
675	12	45.8	12.12	0.00	B9 V
676	14	24.4	13.65	0.93	A7
677	14	36.4	12.46	0.08	A0 III
678	14	47.8	11.51	1.57	K0
679	16	40.5	10.15	0.41	F2 IV
680	16	47.2	12.34	0.04	Be
681	18	37.4	13.05	0.33	B8 VI
682	18	40.2	13.43	0.63	A2
683	19	52.8	13.26	0.68	F8
684	20	42.0	14.05	0.87	B8
685	20	56.0	10.60	0.83	G8 V
686	21	54.0	12.39	0.07	B5 V
687	22	00.8	13.64	0.81	B5 V
688	22	58.0	12.95	0.35	F0
689	24	31.6	14.19	0.59	A2 III
690	24	41.8	14.16	1.28	A
691	25	28.3	12.62	1.48	F2 I
692	26	58.0	13.90	0.31	B5 V
693	26	29.3	13.67	0.44	B5 V
694	27	35.5	14.28	2.38	K3
695	27	53.7	12.67	0.39	A2 V
696	28	13.2	11.68	1.58	K0 III
697	28	39.5	13.88	0.80	A0
698	28	50.5	11.42	0.70	G8 V
699	30	04.4	12.48	0.52	F2
700	32	31.0	13.05	0.32	A3 V

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp		R.A. 1950	Dec. 1950	Mpg	CI	Sp
701	18 ^h 36 ^m 32 ^s	-4°41.7	12.65	0.29	B8 V	751	18 ^h 37 ^m 11 ^s	-4°31.5	11.58	0.16	B9 III
702	32	47.4	12.25	0.02	B5 V	752	11	40.5	13.09	2.13	K2 I
703	32	51.6	14.28	0.57	B5	753	14	30.4	14.13	0.41	FO
704	34	26.8	10.52	0.32	B8 II	754	16	31.4	13.70	0.43	AO V
705	34	31.2	12.21	0.24	A7 V	755	16	36.5	12.98	0.48	A2 V
706	34	15.0	13.76	0.87	B5	756	16	42.7	13.24	0.35	B8
707	35	48.0	12.12	0.19	B3 V	757	16	54.0	12.95	0.70	FO
708	35	57.5	10.51	0.28	B8 V	758	17	40.0	11.77	C.33	B8 V
709	36	22.5	12.91	0.52	A3 V	759	18	00.5	12.65	0.26	AO V
710	36	33.5	13.49	0.51	F2 V	760	18	55.0	12.29	0.36	B8 V
711	37	50.7	11.89	0.16	B8 V	761	20	38.8	12.83	0.31	B2 V
712	38	34.2	12.66	0.12	AO VI	762	21	52.0			GO
713	38	57.0	12.68	-0.20	B2 V	763	22	30.8	13.58	0.20	B8 V
714	38	58.5	11.97	-0.05	AO IV	764	22	54.4	12.42	0.16	F2 V
715	39	32.4	12.08	0.23	B5 V	765	23	55.0	10.02	0.18	F6 IV
716	39	49.0			B3	766	23	56.9	12.52	2.49	K5 I
717	40	44.5	12.11	0.54	GO:	767	24	10.7	11.97	0.42	GO V
718	42	28.2	13.06	0.20	B5 V	768	25	06.6	11.85	0.19	B2 III
719	42	41.7	14.22	0.34	AO	769	25	31.6	11.85	0.20	A3 V
720	44	48.0	13.70	0.11	B	770	25	39.8	11.23	0.38	B8 III
721	44	55.7	13.80	0.91	F6	771	26	40.6	13.60	0.39	B
722	45	35.0	12.29	0.38	F8 V	772	26	46.2	13.48	0.64	B8
723	47	51.5	13.47	0.24	B9 V	773	27	10.7	14.06	0.90	B2
724	49	37.2	12.44:	0.14:	B8 V	774	28	26.0	12.58	0.33	B3 V
725	51	48.9	12.10	1.35	G5 II	775	29	13.2	13.69	0.87	F5
726	52	42.0	13.32	0.59	B3	776	29	29.2	13.73	0.69	A3
727	52	51.0	12.31	0.32	GO V	777	30	05.8	13.77	1.38	K5
728	54	42.8	13.18	0.23	A2 V	778	30	43.3	12.90	1.36	F2 I
729	54	49.5	13.32	1.79	K0	779	30	58.5	12.08	0.14	B5 VI
730	55	34.1	13.11	0.26	B8 V	780	31	18.2	13.78	0.52	A7
731	56	39.7	12.60	0.05	B5 V	781	31	31.6	13.15	0.74	FO
732	57	33.0	13.38	0.83	A2 V	782	31	42.7	13.77:	0.32:	A2 V
733	58	01.7	12.96	0.50	B0 V	783	31	51.6	13.37	0.63	F5
734	58	15.3	12.50	2.83	K5 I	784	32	35.1	13.15	0.53	A2
735	59	40.0	10.26	0.28	B5eI	785	32	42.2	12.32	0.55	F8 III
736	37 00	54.1	13.23	-0.03	B5 V	786	34	28.8	10.86	0.33	AO V
737	02	56.5	12.59	0.05	AO V	787	34	47.0	12.23	0.55	F8 III
738	02	57.1	12.99:	-0.16:	B	788	35	01.1			F8
739	03	22.4	14.15	0.79	B-A	789	35	16.2	10.93	0.18	B8 V
740	03	50.5	12.27	0.57	AO V	790	36	28.5	11.73	0.33	A2 VI
741	03	28.6	9.07	0.34	B8 I	791	37	18.0	12.55	0.44	B3 III
742	05	15.0	14.56	0.98	B5	792	37	41.0			F6 III
743	05	16.4	13.10	1.92	K5	793	39	45.0	13.91	0.46	B0
744	05	52.7	10.60	1.54	K0 I	794	39	53.5	13.67	0.43	AO V
745	07	55.6	11.73	0.17	B0 V	795	40	00.7	13.61	0.81	A7
746	08	34.4	13.55	0.10	A3	796	40	55.4	14.28	0.55	A2
747	08	13.5	12.79	0.56	A3 V	797	43	30.4	12.89	0.49	AO V
748	09	48.2	12.28	0.26	AO V	798	43	32.3	12.48	1.78	K2 III
749	11	59.0	13.00	0.08	A5 V	799	43	59.6	13.47	0.29	F5 V
750	13	56.7	12.33	0.10	B8 V	300	44	40.1	12.45	0.55	F8 III

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
801	18 ^h 37 ^m 45 ^s	-4°18.6	13.28	0.43	B2
802	47	46.0	12.97	0.57	A7
803	50	46.6	11.44	0.47	F5 IV
804	51	19.4	12.10	1.55	G5 I
805	54	00.0	12.67	0.49	B5 IV
806	55	32.0	14.22	0.80	B8
807	55	15.1	11.12	0.37	G0 II
808	55	41.6	11.17	1.55	G8 II
809	56	04.5	11.98	0.44	B3 II
810	57	11.5	13.79	0.69	A7
811	57	57.8	13.81	0.54	A2
812	38 00	42.0	12.98	0.57	F5
813	01	26.3	10.86	0.34	F6 IV
814	01	51.0	14.02	1.83	K5
815	02	01.0	13.89	0.63	B-A
816	04	36.0	11.49	0.38	F2 II
817	05	33.4	13.03	0.61	F8
818	06	53.4	12.32	0.45	B5 I
819	07	27.5	10.65	0.37	A0 I
820	09	01.9	13.41	0.38	B5 V
821	10	15.2	12.37	0.32	A7
822	10	19.0	10.48	0.11	B8 V
823	10	29.8	12.74	0.54	B8 V
824	11	34.0			K2 I
825	12	46.2	13.26	0.48	
826	16	50.0	14.00	1.04	F8
827	18	08.7			B9 I
828	23	25.5	12.10	0.50	G2 I
829	25	30.5	12.02	0.67	WR
830	26	36.1	13.64	0.62	B5 V
831	28	35.2	13.76	0.91	A5
832	30	58.2			B2
833	34	26.3	11.78	0.70	B0 I
834	34	26.3			B0 I
835	39	57.7	12.83	0.91	A7
836	40	24.8	11.00	0.69	B0 I
837	40	27.1	12.84	0.54	B-A
838	42	17.0	10.45	0.32	G2 I
839	43	18.3	11.98	0.58	B0 V
840	43	27.7	13.41	1.97	K2
841	44	06.0	11.26	0.49	B0 V
842	44	14.7	11.65	0.46	B2 V
843	44	59.6	12.49	0.45	B5
844	45	13.4	13.77	0.75	B8
845	51	17.1	13.84	0.79	B5 V
846	54	00.8	12.21	0.39	B
847	55	53.6	15.21	1.28	F
848	57	00.3	14.18	0.96	F8
849	57	54.0	12.92	0.67	M5
850	57	24.5	15.72	4.54	

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
851	18 ^h 39 ^m 02 ^s	-4°45.5	13.89	0.95	F8
852	02	57.5	14.02	1.01	F8
853	03	47.8			B8 V
854	03	59.0	11.10	0.37	F2 IV
855	05	07.3	14.73	1.03	A
856	09	47.7	13.74	1.04	B5
857	12	13.5	14.67	0.97	B
858	12	33.2	11.91	0.23	A2 V
859	14	21.2	13.58	1.11	F2
860	14	44.4	12.37	0.56	B5 III
861	17	04.9	12.60	0.44	F2
862	17	12.4	13.73	0.94	B5
863	19	10.5			G0 Ib*
864	20	22.2	11.81	0.33	F8 V
865	21	07.9	14.19	1.05	A7
866	22	04.2	13.83	1.00	A7
867	22	28.8	14.65	0.83	B2
868	23	18.0			MO
869	24	14.3	14.02	1.05	B2
870	23	17.8	13.10	0.98	A3
871	25	37.2	12.15	0.59	F8 III
872	27	37.0	9.60	0.31	G0 IV
873	28	26.3	13.48	0.70	B3
874	28	37.8	12.44	0.72	A3 V
875	29	44.0	14.08	0.98	B3
876	30	21.6	12.62	2.00	G5 I
877	31	24.8	11.91	0.44	B2 III
878	31	29.7	13.85	0.59	B8 V
879	33	01.1	12.57	2.41	M3
880	34	01.1	12.84	0.47	B5 V
881	35	28.3	10.93	1.78	K2 III
882	36	55.2	14.49	1.18	B5
883	39	00.7	13.11	0.38	B3 V
884	39	10.7	13.54	0.40	F2
885	39	12.2	14.24	1.29	K0
886	40	12.8	13.96	0.74	A3
887	40	49.0	15.24:	0.90:	B8
888	41	19.2	11.62	0.29	A2 V
889	41	49.3	13.91	1.04	G5
890	42	11.2	12.73	0.69	G0
891	42	19.9	13.83	0.73	B-A
892	44	54.5	14.43	0.85	B9
893	47	15.1	12.98	0.37	B
894	47	16.5	11.13	1.08	G2 III
895	48	00.7	12.47	1.36	G0 I
896	48	09.8	12.51	0.58	B3
897	48	14.2	12.17	0.42	A0 V
898	48	53.3			F6 V
899	51	42.0	12.88	0.69	A0 V
900	51	57.0	15.22	1.02	B2

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp	No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
901	18 ^h 39 ^m 52 ^s	-4°16.3	12.70	0.32	B3 V	951	18 ^h 40 ^m 48 ^s	-4°11.1	13.56		F8
902	52	56.0	14.19	1.00	B5	952	48	13.0	10.87	0.29	F8 V
903	54	40.4	13.90	0.74	B9 V	953	49	04.3	13.44	0.83	B8
904	54	45.8	11.98	0.47	B5 V	954	49	27.1	14.18	0.61	B2
905	54	49.2	14.12	1.20	F8	955	49	44.3	12.95	0.44	F8
906	55	04.0	12.45	0.34	F6 V	956	50	27.0	13.28	0.55	B8 V
907	55	19.0	14.21	0.54		957	50	49.5	13.91	1.92	K2
908	55	54.0	12.47	0.28	A0 V	958	52	11.3	12.60	1.01	B0 I
909	57	05.8	13.13	2.43	M2	959	54	22.9			A7
910	40 00	15.9	13.87	0.60	A7	960	55	04.6	12.46	0.86	B2 III
911	02	36.1	10.45	0.09	F6 I	961	56	01.9	14.13	1.16	A2
912	05	09.8	12.41	0.40	F0 V	962	57	13.7	12.86	0.77	B5 III
913	05	27.2	12.65	0.57	F8 V	963	58	30.9	12.90	0.58	F8
914	05	55.3	14.18	2.67	K7	964	59	38.2	13.41	0.37	B8
915	07	37.2	13.02	0.37	B5 V	965	59	57.1	12.54	0.41	A2 V
916	09	25.9	14.32	0.93	F8	966	41 00	58.0	13.35	-0.13	B5
917	10	16.7	13.87	0.98	B8	967	01	47.0	9.83	0.14	A3 V
918	10	36.3	14.95	0.99	A0	968	02	56.7	14.30	0.67	A7
919	13	27.8	14.24	0.94	B8	969	03	15.0	14.85	2.78	M
920	13	52.2	10.41	0.31	A3	970	03	37.0	14.17	0.71	B-A
921	14	37.2	11.84	0.28	B8	971	04	12.4	12.90	1.67	F8 I
922	15	53.8			A2	972	04	44.3			A3 V
923	15	56.8	12.35	0.34	B5	973	05	37.0	14.17	0.71	B-A
924	16	38.7	13.26	0.61	G2	974	06	16.5			G0 III
925	16	45.5	12.68	0.63	A3	975	07	48.7	12.13	0.90	F8 III
926	16	56.5	14.54	0.63	A2	976	07	52.0			A7
927	19	33.4	13.05	0.59	A2	977	09	14.3	12.96	0.88	B2
928	19	58.3	14.66	0.56	A0	978	09	26.7	13.17	0.44	A2 V
929	22	07.9	12.72	1.21	B5	979	09	39.4	13.86	0.58	A5
930	22	39.1	13.20	1.08	A3	980	09	58.4	13.54		B8 V
931	23	37.2	13.02	1.24	B3	981	10	25.2	14.09	2.79	K7
932	24	01.7	12.62	0.36	B8	982	10	59.7	13.48	0.94	F6
933	25	29.9	13.63	1.01	B0	983	11	15.2	14.48	0.97	B5
934	27	41.4	13.74	0.56	B5	984	12	40.4	13.22	0.89	A7
935	28	26.6	11.90	1.21	G2	985	12	57.5	13.90	0.33	B5 V
936	29	47.0	11.88	0.58	B5	986	13	15.1	14.13	1.24	A0:
937	30	23.2	12.47	0.63	F0	987	16	59.5	13.09	0.33	A2
938	31	29.5	14.54	0.82	A7	988	19	29.6	14.16	0.63	A2
939	31	53.3	13.70	0.44	A2	989	19	43.0	14.30	0.56	A0 VI
940	32	59.7	13.49	0.58	A0	990	22	04.1	14.51	1.00	F0
941	36	40.7	13.90	0.72	F2	991	22	32.8			G5 IV
942	41	53.5	14.45	0.55	B3	992	22	39.5	12.46	0.50	F8
943	43	42.8	12.70	0.33	B8	993	24	41.4	13.78	2.10	K3
944	44	40.7	14.21	1.02	F5	994	25	45.8	12.84	0.65	A0 III
945	44	40.7	13.74	1.88	F0	995	25	57.5	13.86	1.23*	B8
946	44	59.7	14.04	0.72	B5	996	26	36.1	13.31	0.39	B5
947	45	03.8	14.24	0.77	B8	997	27	32.3	13.29	0.45	A0 V
948	46	02.6	14.44:	0.72:	G0	998	28	00.5			F8 III
949	46	25.9	11.16	0.16	A2	999	28	26.2	11.41	0.11	B8 V
950	46	53.5				1000	28	48.5	14.13	1.88	K2

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp	No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
						51	18 ^h 42 ^m 12 ^s	-4 ^o 43 ['] 0	11.49	0.36	B5 IV
1001	18 ^h 41 ^m 29 ^s	-4 ^o 24 ['] 9	13.96	0.59	A2	52		55.0	13.51	0.36	B5 V
1002	29	36.1	13.65	0.50	A7	53		42.5	13.76	0.52	B5 V
1003	30	35.2	12.25	0.33	B3	54		44.0	13.08	0.56	A0 III
1004	30	52.0	11.52	0.37	F2	55		23.2	14.31	0.30	FO V
1005	31	06.2	14.45	0.64	B8	56		04.5	14.29	0.77	B5
1006	32	40.2			F8	57		12.4	13.90	0.75	F8
1007	33	49.1	13.26	0.54	F8	58		22.2	14.25	0.49	A0 V
1008	33	07.1	13.95	0.63	A0	59		41.7	12.38	0.29	A2 V
1009	34	39.5	11.91	0.65	A2	60		05.8	14.54	0.67	B0 V
1010	36	34.8	14.34	0.87	G8						
					F5	61	22	48.8	14.05	0.46	A5
1011	36	57.3	14.46	0.32		62	23	36.3	13.56	1.64	F5
1012	37	10.1	13.72	0.55	B	63	23	46.0	12.13	0.33	A0 V
1013	37	38.7	13.63	0.86	B8	64	24	49.6	13.35	0.76	F6
1014	38	36.3	14.01	0.55	F5	65	25	34.6	13.84	1.44	B3 I
1015	38	00.0	13.49	0.61	B5	66	28	48.5	13.77	0.79:	A2
1016	38	58.8	13.39	0.94	B9	67	30	29.5	14.10	1.10	F2
1017	39	30.1	14.02	1.17	A3	68	31	56.0	13.51	0.69	B0
1018	41	06.2	14.21	1.13	F8	69	33	14.3	14.34	0.66	A7
1019	41	41.0	13.68	0.53	F8	70	33	51.5	11.98	1.35	G5 I
1020	41	57.5	9.63	0.10	A7	071	33	59.0			A3
					B9	072	34	05.3	14.30	0.90	F8
1021	42	08.6	14.01	0.70		073	34	45.6	14.11	1.88	K2
1022	45	15.8	13.00	0.68	B3	074	34	44.7	13.23	0.59	B5
1023	45	28.7	12.99	0.53	F8	075	36	19.9	14.10	0.62	F
1024	45	48.4	13.66	0.70	F2	076	36	51.1	10.94	0.41	B0 III
1025	48	26.7	13.75	0.47	F8	077	37	11.7	14.04	1.73	K0
1026	48	45.8	14.35	0.62	A7	078	37	15.2	10.44	0.14	FO V
1027	49	22.9	11.05	0.77	A3	079	37	44.8	9.95	0.44	FOpV
1028	51	16.2	11.60	0.96	G2	080	37	12.0	14.71	1.08	B3
1029	51	48.0	14.43	2.23	A2	I 081	38	20.7	12.68	2.35	K5 I
1030	52	58.0	13.23	0.29	K	082	38	36.8	13.48	0.42	A0 V
					A5	083	40	26.0	14.06	0.90	G
1031	52	59.0	14.81	0.40		084	40	26.3	11.45	0.21	F8 IV
1032	54	39.5	9.76	0.12	F2	V 085	40	44.7	11.31	0.30	FO III
1033	54	54.9	12.89:	0.20:	A2	V 086	41	57.5			A7
1034	56	09.2	11.15	0.08	A2	V 087	42	12.6	15.41	1.11	B8
1035	56	56.8			A0	V 088	42	28.5	14.87	0.95	A2
1036	57	06.4	14.67	1.46	G5	089	42	31.4	14.44:	0.77:	B8
1037	57	33.6	12.56	0.55	F2	V 090	42	51.8	9.94	0.79	B3 I
1038	57	59.8	13.08	1.51	K2	091	43	26.5			G
1039	42 01	54.8	13.88	0.51	A2	092	43	46.2	12.87	0.38	A0 V:
1040	03	55.6	12.72	0.32	A2	093	43	47.3	12.24	0.28	B8 V
						094	43	50.8			B5 III
1041	04	25.9	14.10	0.45	B5	V 095	45	21.1	14.22	1.65	G8
1042	05	07.1	13.23	0.81	B3	III 096	45	39.2	13.52	0.40	A3
1043	05	54.5	13.69	0.16	B8	V 097	46	14.3	14.49	0.81	A0
1044	05	55.7			B3	V 098	46	52.7			A2 V
1045	05	58.8			A2	099	48	31.5	14.48	0.82	B8
1046	07	04.9	11.24	1.68	F8	I 100	48	56.0			B8 V
1047	07	17.3	13.77	0.72	B3	V V					
1048	09	03.0	14.07	0.87	B3	V V					
1049	09	00.2			F5	V					
1050	12	00.5	13.90	0.98	A7						

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp	No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
1101	18 ^h 42 ^m 50 ^s	-4 ^o 04.5	11.55	0.65	B2	151	18 ^h 43 ^m 30 ^s	-4 ^o 19.2	13.90:		B
1102	51	23.2	14.73	1.28	B5	152	30	44.0	13.67	0.22	A2 V
1103	52	14.2	14.22	1.30	B	153	32	41.3	13.34	0.30	B8
1104	52	12.1	13.09	0.59	F2	154	32	44.0	12.86	0.11	B5 V
1105	52	51.9	12.64	0.56	F2	155	34	41.4	13.21	0.35	A7
1106	53	44.4	12.02	0.18	B9	156	35	45.1	13.76	0.17	B5 V
1107	53	44.3	11.25	0.13	B3	157	36	48.5	11.74	0.29	FO III
1108	54	24.5	14.70	0.92	A0	158	37	23.7	13.87	0.56	A7
1109	54	40.2			B0	159	37	43.2	12.90	0.22	B8 VI
1110	54	46.9			F8	160	38	39.2	13.45	0.42	F5
1111	56	37.8			B3	1161	38	40.4			B8 V
1112	57	01.4	12.08	0.57	G5	1162	40	42.7	12.83	-0.06	B8
1113	57	41.8			B8	1163	40	54.3	14.42	0.66	B5
1114	58	45.1			G2	1164	41	15.8	13.25	0.31	B8 I
1115	58	46.4	11.88	0.05	B5	1165	44	16.0	13.48	0.42	B2 V
1116	58	49.6	13.91	1.92	K2	1166	44	34.6	13.55	2.69	MO
1117	43 00	47.5	11.92	0.22	A0	1167	45	16.1	12.44	1.51	K2 III
1118	00	54.5	12.78	0.84	F2	1168	45	25.9	11.69	0.45	F2 III
1119	01	21.4	13.25	0.36	A7	1169	45	45.5	12.87	1.65	A7 I
1120	02	18.2	12.02	1.48	G8	1170	46	27.1	13.75	1.05	F8
1121	02	45.8	13.36	0.62	B5	1171	46	48.2			GO
1122	03	24.5	14.15	0.55	B3	1172	49	20.7	14.52	0.64	B5
1123	04	03.2	12.91	1.01	B2	1173	50	10.5	14.65	2.83	K7
1124	06	13.9	12.87	0.49	A7	1174	49	56.1	11.12	0.21	B5 IV
1125	06	29.4	13.38	0.73	F2	1175	50	27.5			K0
1126	07	38.8	12.35	2.39	K7	1176	50	31.2	13.72	0.24	A0 V
1127	07	47.4			A2	1177	51	14.3	13.01	1.45	F5
1128	07	58.7	13.74	0.69	A5	1178	51	40.0	13.24	0.26	B5 V
1129	08	50.5	13.71	2.41	K5	1179	51	41.0	12.27	0.26	FO V
1130	10	44.6	12.25	0.29	B2	1180	51	45.1	12.03	-0.03	B3 V
1131	11	45.2	12.24	0.01	A2	1181	53	44.0	12.88	0.16	
1132	12	30.4	14.30	0.60	B5	1182	53	53.6	14.70	0.72	B8
1133	13	01.9	13.79	1.05	A7	1183	54	33.9	11.45	0.28	F8 III
1134	13	59.6	13.87	2.79	MO	1184	54	43.0	11.60	0.12	B8 V
1135	15	14.0			B2	1185	54	11.6	13.75	0.50	A7
1136	15	19.9	11.83	0.51	GO	1186	57	39.4	12.83	0.58	A7
1137	15	58.3	13.42	0.43	B5	1187	44 00	49.0	12.91	0.92	K5 V
1138	15	59.0	13.96	0.14	B8	1188	01	42.5	12.16	-0.48	B3 V
1139	17	14.8			A7	1189	02	55.6	12.23	0.27	B5 VI
1140	18	10.8	14.59	0.99	A0	1190	04	38.0	13.39	0.74	A2
1141	18	27.8	12.51	0.79	B5	1191	05	39.0	13.80	0.78	F
1142	21	29.7	12.60	0.70	F5	1192	05	57.9	12.36	0.58	B3 V
1143	21	39.6	12.98:		F8	1193	06	02.8	13.09	2.61	K5 I
1144	22	13.9	11.79	0.32	B5	1194	07	08.1	15.35	1.47	B8
1145	22	56.0	13.96	0.59	B9	1195	07	58.7	12.13	2.01	GO I
1146	24	11.8	15.34	0.22	MO	1196	11	44.7			B*
1147	25	13.3	12.35	0.90	A2	1197	12	30.5	13.90	0.63	B5 V
1148	25	17.7	13.37	2.70	B5	1198	13	08.7	13.95	3.19	K5 I
1149	27	20.3	13.74	1.08	MO	1199	13	59.8	13.24	0.48	A3
1150	29	10.3	11.19		G5	1200	14	34.6	14.36	0.63	B3 VI
								61			

No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
1201	18 ^h 44 ^m 14 ^s	-4 ^o 50'.0	13.88	0.88	B0
1202	15	02.8	13.34	0.64	B8 V
1203	16	47.0	13.69	0.51	B9
1204	20	16.9	14.93	2.50	K5
1205	21	22.4	14.78	0.73*	A0
1206	21	41.6	14.56	0.73:	A0
1207	22	22.6	13.03	0.72	F5 I
1208	22	33.1	13.83	0.45	B8 V
1209	22	38.4	13.18	0.43	B5 V
1210	24	20.3	13.61	0.67	B2
1211	24	24.1	12.88	0.58	B9 I
1212	25	15.8	14.14	1.23	F5
1213	26	07.6	11.14	0.56*	B8 I
1214	26	40.1	14.62:	0.97:	B5
1215	28	13.5	13.01	0.34	F0
1216	28	47.8	13.60	0.57	B3
1217	30	45.0	15.01	0.54	B8
1218	30	54.5	12.81	0.50	B2
1219	32	40.0	14.29	1.05	B8
1220	32	51.8	14.01	1.15	
1221	33	53.7	14.19	1.21	A5
1222	34	23.5	14.34	0.89	B2
1223	35	07.3	14.33	1.39	B0
1224	35	44.8	13.30	0.48:	B3
1225	39	47.7	13.60	0.47	B5
1226	40	45.6	14.24	0.59	A0
1227	42	10.9			B2
1228	44	29.7	12.05	0.19	B9
1229	44	34.6	14.66:	0.87:	A
1230	45	49.9	12.32	0.07	B3e
1231	50	57.7	11.78	1.43	G5
1232	51	31.2	14.09	1.06	G5
1233	51	44.2	13.43	0.08	A5
1234	52	01.1	14.10	1.14	F8
1235	52	41.4	13.38	0.43	A2
1236	52	48.9	12.35	0.78	F2
1237	53	18.5	13.92	0.45:	B9
1238	53	34.6	11.82	0.08	B5
1239	54	27.8	14.03	1.17	A7
1240	57	15.6	15.30	2.69	K5
1241	59	26.6	12.78	0.49	F5
1242	45 00	18.4	12.19	0.44	A2
1243	01	27.1	12.26	0.49	G0
1244	01	40.2	13.96	1.76	K2
1245	01	45.1			A7
1246	02	17.3	13.11	2.27	K5
1247	02	22.0	13.71	1.47	K5
1248	02	25.2	12.98	0.48	A2
1249	02	57.7	11.31	0.63	F2
1250	03	22.0	14.15:	0.85:	B8



No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
1201	18 ^h 44 ^m 14 ^s	-4°50.0'	13.88	0.88	B0
1202	15	02.8	13.34	0.64	B8 V
1203	16	47.0	13.69	0.51	B9
1204	20	16.9	14.93	2.50	K5
1205	21	22.4	14.78	0.73	A0
1206	21	41.6	14.56	0.73*	A0
1207	22	22.6	13.03	0.72	F5 I
1208	22	33.1	13.83	0.45	B8 V
1209	22	38.4	13.18	0.43	B5 V
1210	24	20.3	13.61	0.67	B2
1211	24	24.1	12.88	0.58	B9 I
1212	25	15.8	14.14	1.23	F5
1213	26	07.6	11.14	0.56	B8 I
1214	26	40.1	14.62:	0.97*	B5
1215	28	13.5	13.01	0.34	P0
1216	28	47.8	13.60	0.57	B3
1217	30	45.0	15.01	0.54	B8
1218	30	54.5	12.81	0.50	B2
1219	32	40.0	14.29	1.05	B8
1220	32	51.8	14.01	1.15	
1221	33	53.7	14.19	1.21	A5
1222	34	23.5	14.34	0.89	B2
1223	35	07.3	14.33	1.39	B0
1224	35	44.8	13.30	0.48:	B3
1225	39	47.7	13.60	0.47	B5
1226	40	45.6	14.24	0.59	A0
1227	42	10.9			B2
1228	44	29.7	12.05	0.19	B9
1229	44	34.6	14.66:	0.87:	A
1230	45	49.9	12.32	0.07	B3
1231	50	57.7	11.78	1.43	G5
1232	51	31.2	14.09	1.06	G5
1233	51	44.2	13.43	0.08	A5
1234	52	01.1	14.10	1.14	F8
1235	52	41.4	13.38	0.43	A2
1236	52	48.9	12.95	0.78	F2
1237	53	18.5	13.92	0.45:	B9
1238	53	34.6	11.82	0.08	B5
1239	54	27.8	14.08	1.17	A7
1240	57	15.6	15.30	2.69	K5
1241	59	26.6	12.78	0.49	F5
1242	45 00	18.4	12.19	0.44	A2
1243	01	27.1	12.26	0.49	G0
1244	01	40.2	13.96	1.76	K2
1245	01	45.1			A7
1246	02	17.3	13.11	2.27	K5
1247	02	22.0	13.71	1.47	K5
1248	02	25.2	12.98	0.48	A2
1249	02	57.7	11.31	0.63	F2
1250	03	22.0	14.15:	0.85	B8



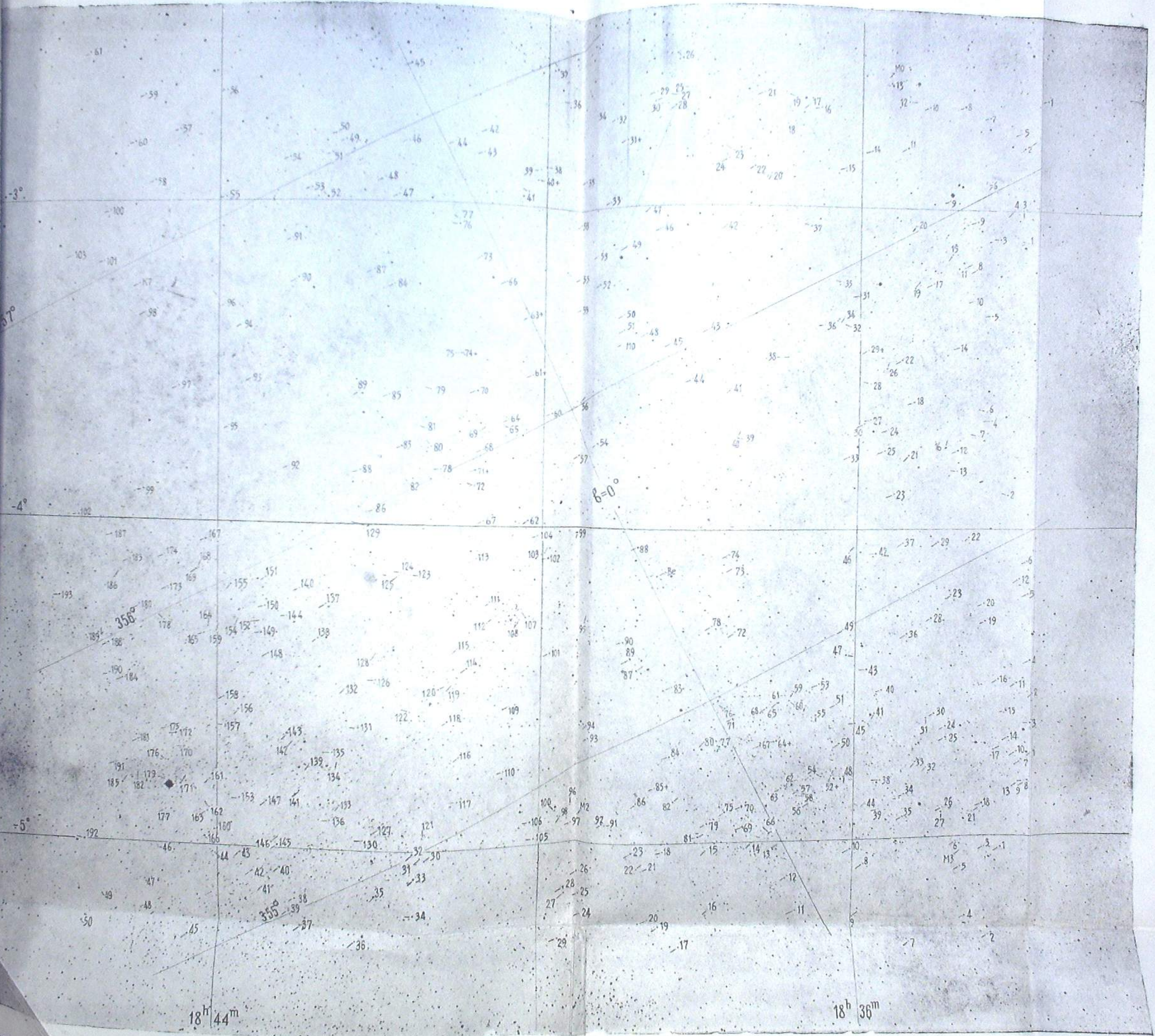
No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
1251	18 ^h 45 ^m 05 ^s	-4°27'.8	11.68	0.48	G0 V
1252	06	17.7	14.15	1.03	A7
1253	08	35.0	11.68	0.44	A3 V
1254	08	44.8	13.49	0.62	B2
1255	09	22.2	13.33	0.20	A2 V
1256	10	19.7	13.84	0.67	B2
1257	10	51.2	13.60	1.02	A3
1258	11	49.3	13.80	2.71	K2
1259	12	26.3	12.45	0.33	A0 V
1260	12	56.0	12.67	2.23	K
1261	17	07.5	14.21	0.95	A7
1262	19	02.3	14.49	3.12	M0 I
1263	19	21.4	12.48	0.55	G0
1264	20	20.0	13.55	0.55	F5
1265	20	30.8	13.40	0.33	B
1266	21	22.9			M3
1267	22	06.1	13.66	0.69	B3 V
1268	22	20.0	14.28	1.15	
1269	23	30.0	12.90	0.38	B3 V
1270	23	31.5	14.03	2.02	K5
590a	18 34 45	-4 27.0	9.83	0.13	A1 IV
1167a	43 47	17.6	12.19	0.50	B5 V
1260a	45 13	56.0	12.67	2.23	K

Примечания

86	Полосы в красной части спектра
425	Возможно переменная
485	" "
511	Полосы в красной части спектра
732	Возможно переменная
827	RR Sct
863	RU Sct
892	Возможно переменная
900	" "
995	" "
I034	Переменный спектр, видны линии металла
I089	Возможно переменная
I196	Двойная
I206	Возможно переменная
I214	" "

No. Sp	No. Sp	No. Sp	No. Sp	No. Sp	No.
-2°	52 M2	41 K7	94 M2	41 MO	94
	53 MO	42 MO	95 MO	42 MO	95
1 MO	54 K7	43 K5	96 M2	43 K7	96
2 M2	55 M5	44 K5	97 M5	44 M2	97
3 M5	56 K5	45 M2	98 M2	45 M3	98
4 M5	57 MO	46 K7	99 K7	46 MO	99
5 M5	58 MO	47 MO	100 M2	47 K5	100
6 MO	59 MO	48 MO	101 K7	48 MO	101
7 MO	60 MO	49 M2	102 K7	49 MO	102
8 M5	61 M2	50 M3	103 M5	50 K5	103
9 MO		51 -		51 MO	104
10 K7	-3°	52 M8	-4°	52 Be	105
11 K3		53 M3		53 MO	106
12 M2	1 M2	54 K7	1 MO	54 MO	107
13 K7	2 K7	55 M2	2 M3	55 K7	108
14 M3	3 K5	56 M2	3 K5	56 M5	109
15 MO	4 MO	57 MO	4 K7	57 MO	110
16 K5	5 K5	58 K7	5 MO	58 MO	111
17 M2	6 MO	59 MO	6 M2	59 M3	112
18 MO	7 MO	60 M8	7 M3	60 M2	113
19 M5	8 MO	61 Be	8 M2	61 MO	114
20 K7	9 MO	62 MO	9 M2	62 K7	115
21 M3	10 M2	63 Be	10 M5	63 MO	116
22 M5	11 MO	64 MO	11 K7	64 Be	117
23 M5	12 M8	65 MO	12 K7	65 M5	118
24 M2	13 K7	66 K7	13 MO	66 K7	119
25 MO	14 MO	67 M2	14 K	67 MO	120
26 M8	15 K7	68 K5	15 K5	68 M2	121
27 M8	16 M5	69 Be	16 K5	69 K7	122
28 A3	17 K7	70 MO	17 K7	70 K3	123
29 M3	18 MO	71 Be	18 M5	71 K5	124
30 M3	19 K5	72 K7	19 MO	72 M2	125
31 Be	20 M8	73 K5	20 M2	73 MO	126
32 MO	21 MO	74 Be	21 MO	74 K5	127
33 MO	22 K5	75 K7	22 M2	75 MO	128
34 MO	23 M2	76 M3	23 M3	76 K7	129
35 K7	24 M2	77 MO	24 K	77 M3	130
36 MO	25 MO	78 M2	25 K	78 MO	131
37 M2	26 K7	79 MO	26 M2	79 M5	132
38 K7	27 MO	80 MO	27 MO	80 MO	133
39 M3	28 MO	81 M5	28 K5	81 M2	134
40 Be	29 Be	82 M8e	29 K7	82 MO	135
41 MO	30 M3	83 MO	30 K7	83 MO	136
42 MO	31 K7	84 MO	31 MO	84 MO	137
43 K7	32 MO	85 K7	32 MO	85 Be	138
44 MO	33 K5	86 MO	33 M2	86 MO	139
45 M3	34 M2	87 K7	34 K7	87 K7	140
46 M3	35 MO	88 M2	35 K7	88 MO	141
47 MO	36 M5	89 MO	36 MO	89 M5	142
48 M3	37 M5	90 MO	37 K7	90 K7	143
49 K7	38 M2	91 MO	38 M2	91 MO	144
50 M2	39 K7	92 MO	39 M2	92 K7	145
51 K7	40 M8	93 M2	40 K7	93 K7	146

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18^h 44^m

18^h 36^m

No. Sp	No. Sp	No. Sp	No. Sp	No. Sp	No. Sp
	-4°				
	164 MO	183 M2	6 M2	25 M3	44 MO
	165 M2	184 M3	7 MO	26 M5	45 M2
47 K5	166 M2	185 MO	8 K7	27 MO	46 M
48 MO	167 K5	186 MO	9 M2	28 MO	47 M3
49 MO	168 M2	187 MO	10 MO	29 MO	48 M2
50 MO	169 K7	188 M5	11 MO	30 M2	49 MO
51 MO	170 M2	189 K7	12 K7	31 M2	50 K5
52 K5	171 K7	190 M2	13 MO	32 MO	
53 MO	172 M3	191 MO	14 M3	33 MO	
54 MO	173 K7	192 MO	15 M2	34 MO	
55 K7	174 K7	193 K7	16 MO	35 MO	
56 MO	175 MO		17 K7	36 M2	
57 M5	176 MO	-5°	18 M5	37 MO	
58 MO	177 K7		19 M2	38 MO	
59 MO	178 M2	1 M3	20 MO	39 M2	
60 M3	179 K7	2 M2	21 MO	40 M3	
61 K7	180 K5	3 M2	22 K7	41 MO	
62 M5	181 MO	4 K7	23 MO	42 M2	
63 M3	182 M3	5 MO	24 MO	43 K5	