

საბჭოთავო სსრ მეცნიერებათა აკადემია
АКАДЕМИЯ НАУК ГРУЗИНСКОЙ ССР

59 (05)
ა-128

აბასთუმანის ასტროფიზიკური მზსმკვამლეობა
მთა ყანობილი

ბ ი უ ლ ე ტ ე ნ ი

АБАСТУМАНСКАЯ АСТРОФИЗИЧЕСКАЯ ОБСЕРВАТОРИЯ

ГОРА КАНОВИЛИ

Б Ю Л Л Е Т Е Н Ь

31

КАТАЛОГИ ЗВЕЗДНЫХ ВЕЛИЧИН, ПОКАЗАТЕЛЕЙ ЦВЕТА,
СПЕКТРАЛЬНЫХ КЛАССОВ И КЛАССОВ СВЕТИМОСТЕЙ,
СОСТАВЛЕННЫЕ ПО ПЛАНУ КОМПЛЕКСНОГО ИЗУЧЕНИЯ
МЛЕЧНОГО ПУТИ (ПЛАН П. П. ПАРЕНАГО)

1964

გამომცემლობა „მეცნიერება“

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მზისმკვლევარობის მთა შანოზილი
ბიულეტენი 31 1964წ.
P 39968 60კ.

КАТАЛОГ ФОТОВИЗУАЛЬНЫХ ЗВЕЗДНЫХ ВЕЛИЧИН, СПЕКТРОВ И СВЕТИ-
МОСТЕЙ ЗВЕЗД В ОБЛАСТИ II ПЛАНА П. П. ПАРЕНАГО
(СОЗВЕЗДИЕ ЛЕБЕДЯ)

Е. К. Харадзе, С. П. Априамашвили, Т. А. Кочлашвили

Как известно, в 1955 году П. П. Паренаго предложил план комплексного изучения избранных областей Млечного Пути [1]. План имеет в виду получение в пяти обширных областях Млечного Пути возможно большего количества характеристик звезд, заключающих в себе возможности доставить нам важные сведения о межзвездном поглощении света в галактическом пространстве, расстояниях до темных туманностей, расслоении слабых звезд на подсистемы на различных расстояниях от Солнца, о встречающихся в этих направлениях звездных ассоциациях и деталях строения Галактики.

Предложение П. П. Паренаго было принято рядом советских астрономических обсерваторий. Оно было поддержано в качестве международного плана Симпозиумом по координации галактических исследований в Стокгольме в 1957 г. и Десятым съездом Международного Астрономического Союза в Москве, в 1958 г.

Абастуманская астрофизическая обсерватория, взяв на себя участие в выполнении Плана колориметрическими и спектральными исследованиями, приступила к соответствующим наблюдениям еще в 1957 году. К настоящему времени в обсерватории закончена работа по определению координат, фотографических и фотовизуальных, а в ряде случаев и фиолетовых звездных величин и, главное, по двумерной спектральной классификации в нескольких участках областей Плана.

Настоящим Абастуманская обсерватория приступает к планомерной публикации каталогов звездных величин, показателей цвета, спектральных подклассов и светимостей звезд в участках Плана П. П. Паренаго.

Отв. редактор Е. К. Харадзе

Область в созвездии Лебеда так, как она очерчена по Плану, имеет центр с координатами на 1950 год:

Прямое восхождение = $20^{\text{h}}50^{\text{m}}$

Склонение = $+45^{\circ}$

Галактич. долгота = 53°

Галактич. широта = 0°

Область распространена по прямому восхождению от $20^{\text{h}}41^{\text{m}}$ до $20^{\text{h}}59^{\text{m}}$ и по склонению от $+43^{\circ}$ до $+47^{\circ}$, занимая площадь в 12 кв. градусов, в направлении, приблизительно перпендикулярном направлению на центр Галактики. В ее пределах находятся известные туманности "Америка" и "Пеликан". С ее центром совпадает Площадка № 40 Общего Плана Каптейна. В области расположена Т - ассоциация, открытая Хербигом. Расположением, видимой структурой, сгущениями звезд и наличием туманностей, а также другими характеристиками рассматриваемая область привлекла к себе внимание многих исследователей. Имеется немало работ, посвященных определениям в данной области звездных величин, показателей цвета, спектров, величин межзвездного поглощения света, степени поляризации и других характеристик.

Наши определения фотовизуальных величин, спектральных классов и светимостей, выполненные в порядке выполнения Плана П.П. Паренаго являются полезным пополнением имеющихся данных.

Ниже приводится Каталог фотовизуальных звездных величин и спектральных классов со светимостями для 1025 звезд в созвездии Лебеда (Область II по Плану Паренаго).

Указаны порядковые номера, номера Каталога, (что то же, что номера на приложенной карте), номера по Боннскому Обзору или Бергедорфскому Спектральному Обзору; экваториальные координаты, отнесенные к 1950 году, а также прямоугольные координаты, отсчитываемые от произвольной точки.

Фотовизуальные звездные величины определялись по снимкам на 70-см менисковом телескопе. Двухмерная спектральная классификация выполнена также по снимкам на 70 - см менис-

ковом телескопе с 8° -ной предобъективной призмой в системе, принятой в Обсерватории и основанной на МК [2].

Декабрь, 1963.

THE CATALOGUE OF PHOTOVISUAL MAGNITUDES, SPECTRA AND LUMINOSITIES OF STARS IN THE AREA II OF THE P.P. PARENAGO'S PLAN (CYGNUS)

E. K. Kharadze, S. P. Apriamashvili, T. A. Kotchlashvili

Цитированная литература

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2. Харадзе Е.К., Бартая Р.А. Бюлл. Абастум. астрофиз. обс. 1960, № 25, 139.

Центр: R.A. 1950 20^h50^m; Dec. 1950 +45°

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
1	43°3687	20 ^h 39 ^m 51 ^s	+43°39.1	212.1	204.2		A3 V
2		40 10	56.2	209.8	193.8	11.04	F8 V
3		12	56.1	209.6	194.0	11.19	G8
4	43°3690	19	45.0	209.1	200.7	10.29	F5 IV
5	28	28	43.8	208.0	201.3	11.08	A8
6	43°3691	32	51.3	207.5	196.8	9.81	G5 III
7		50	43.4	205.5	202.2		F8 V
8		58	37.7	204.9	205.3	10.67	F8 III
9		41 14	38.9	203.1	204.7	11.50	F8 V
10	37	20	36.3	202.4	206.1	9.65	F0 V
11		22	36.1	202.2	206.2	11.35	G8 III
12	43°3695	24	53.0	201.7	196.0	8.59	G7 III
13		26	39.0	201.5	204.7	10.02	K2 III
14		30	56.7	201.0	193.8	11.79	A8
15		47	31.8	199.5	211.6		F8 V
16		42 12	30.0	197.0	213.4		G0
17	43°3701	39	46.6	193.7	200.3	8.78	B9 V
18	43°3702	45	25.6	193.3	213.2	8.77	K0 I
19		43 08	21.0	190.8	216.1	9.50	A0 V
20		10	44.6	190.1	201.7	10.12	G5
21		11	48.6	190.0	199.3	10.36	G0 III
22	43°3706	26	26.6	188.4	212.8	8.6:	A2 V
23	88	30	33.3	188.0	208.5		F6 IV
24	43°3703	30	39.5	187.8	204.9	10.72	F6 IV
25	92	39	45.0	186.8	201.5	11.23	F8 V
26		40	12.8	187.1	221.7		G8 V
27	43°3709	44	27.3	186.6	212.4	9.24	A5 V
28		50	21.7	186.2	215.9	9.48	O7
29	42°3854	59	15.7	185.2	219.4	8.35	B8 V
30	108	59	42.7	184.8	203.0	10.91	A0 V
31	43°3712	44 00	53.0	184.4	196.7	9.60	G5 III
32		06	55.4	183.7	195.4		F5 V
33	114	14	58.8	182.4	193.3	11.08	F6 V
34		20	31.5	182.4	209.9	11.16	F8 V
35	131	34	39.7	180.8	205.0	9.06	G8 V
36	43°3715	45 04	44.0	177.5	202.3	8.62	A8 V
37	43°3716	08	47.7	177.0	200.3	10.38	F6 V
38		08	17.4	177.1	218.9		G8 V
39		03	9.2	177.1	224.0		K0
40	43°3717	13	38.8	176.6	205.6	10.57	G0 III
41	151	16	49.5	176.1	199.2	11.21	A1
42		24	7.4	175.7	225.0		B8 V
43	43°3720	34	34.2	174.3	208.4	9.94	A0 V
44		35	23.2	174.2	214.9		K0
45	42°3562	39	3.0	174.3	227.6		A8
46	163	51	24.0	172.6	214.6	11.05	A7 IV
47		52	36.3	172.2	207.2		A1 V
48	42°3864	54	15.3	172.5	219.9	9.76	F6 IV
49	42°3865	57	5.2	172.2	226.1	7.99	A2 V
50	43°3722	58	28.8	171.9	211.7	10.65	G0 III

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
51	167	20 ^h 45 ^m 58 ^s	+43°54.0	171.8	196.4	11.01	A7
52	43°3723	59	58.2	171.4	194.0	10.48	G3 V
53		59	46.8	171.3	200.8	11.33	G0 V
54		46 02	36.3	171.1	207.2		A1 V
55		10	9.4	170.8	223.7	10.6:	F8 IV
56	43°3724	15	47.6	169.9	200.4	10.49	A7 V
57	43°3725	22	45.5	169.0	201.7	9.83	A8 V
58	43°3728	32	54.0	167.9	196.7	8.86	K2 III
59	42°3867	36	14.1	167.8	220.8	10.38	F0 V
60		38	50.3	166.9	198.7		A0 V
61	42°3872	54	13.5	165.6	221.3		G8 III
62		47 00	42.8	164.6	203.3		G0 V
63	42°3871	04	7.2	164.8	225.3	7.90	K5 III
64		14	6.4	163.2	225.8		G0
65	43°3731	22	43.1	162.5	203.3		A0 V
66	42°3874	27	17.5	162.1	218.9	10.44	F0 V
67	42°3878	44	8.0	160.4	224.8	9.98	A2 V
68	43°3733	45	53.0	159.9	197.4	8.38	G5 IV
69	43°3732	48	35.5	159.8	208.0	8.76	A0 V
70	43°3735	51	45.5	159.2	201.9	10.29	F6 V
71	227	57	27.0			10.67	A2 V
72	43°3737	48 04	43.6	157.8	203.0	10.41	F0 V
73		15	53.2	156.0	197.6	7.1:	A7
74		20	13.5	155.8	221.4		G0 IV
75		26	1.4	155.4	228.7		F2 V
76	43°3740	27	33.3	155.2	209.3	9.32	A0 IV
77	43°3742	36	24.6	154.2	214.6	9.87	B8 V
78	247	53	38.8	152.3	206.3	11.13	A8 V
79		53	8.9	152.3	224.2		F5 IV
80		59	21.9	151.4	216.4		A2 V
81		49 05	54.6	151.0	196.2		K0 V
82	42°3884	12	20.7	150.0	217.0	9.60	F8 IV
83		22	9.3	148.9	224.4		A3 V
84	43°3743	24	52.9	148.8	197.7	10.15	F0 V
85	44°3600	34	58.0	147.2	194.7	9.12	K0 V
86		46	49.4	146.4	199.3		G5 III
87	271	51	25.2	145.7	214.4	10.90	A2 V
88	272	53	49.5	145.6	199.8	10.93	B7 V
89		50 04	13.2	144.4	221.6	11.41	A2 V
90	43°3746	12	34.5	143.6	208.7		A5
91	279	22	53.1	142.6	197.5	10.65	B3 V
92		22	31.5	142.4	210.2		G5 V
93	42°3888	26	14.5	142.0	220.7	8.78	K7 III
94	43°3748	30	58.5	141.6	194.1	10.53	A7 V
95	42°3890	37	2.1	140.7	228.2	9.04	F8 IV
96		48	45.5	139.6	201.6		K7 V
97		53	24.0	138.8	215.0		F5 V
98		51 00	44.1	138.1	202.5		B8 V
99		01	25.6	137.9	213.8		F2 IV
100	43°3753	06	32.8	137.6	209.6	9.41	G0 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
101		20 ^h 51 ^m 28 ^s	+43°51.8	134.8	197.8		GO V
102	43°3756	36	24.3	134.1	214.7		A3 V
103		36	39.0	133.9	205.5		F6 V
104		42	15.6	133.5	220.1		F8 IV
105		54	27.0	132.2	213.1		G5 III
106	42°3898	52 12	17.2	130.1	219.0	9.41	B9 V
107		17	45.4	129.6	201.6		A8 III
108		31	13.4	127.9	221.6		GO III
109	43°3760	40	42.6	127.2	203.4	10.78	F2 V
110		47	1.8	126.3	228.5		F2 V
111		52	34.5	125.7	208.4		GO IV
112	329	54	26.5	125.7	213.3	11.24	A8 V
113		53 10	45.4	124.0	201.8		F8 V
114	42°3904	12	9.6	123.4	223.6		G8 III
115		12	28.0	123.6	212.5	9.89	F5 IV
116		19	37.6	122.8	206.5		F6 V
117		23	44.9	122.3	202.1		F0 V
118		27	35.6	121.8	207.5	7.60	F5 V
119	42°3907	37	10.5	120.6	223.1	6.81	K3 III
120		42	35.8	120.3	207.6		G5 V
121	42°3909	44	21.3	119.9	216.5	8.69	A0 IV
122	43°3763	54 00	22.7	118.1	215.5	8.87	F8 V
123		00	2.6	118.0	228.0		A2 V
124	43°3764	04	32.8	117.5	209.4	10.38	A2 V
125	45°3333	15	25.2	116.6	214.2	9.18	A0 V
126	351	18	38.7	116.3	205.8	10.96	F2 V
127	42°3911	22	14.1	115.6	221.0	6.80	B8 V
128	42°3912	23	4.2	115.2	227.0	10.50	F6 V
129		26	34.7	115.3	208.1		A5
130	352	27	59.0	115.5	193.2	10.67	A8 V
131	43°3767	35	42.1	114.3	203.5	7.3:	K0 III
132	43°3769	54	23.7	112.0	215.0	9.96	A7 V
133		55 00	35.7	111.4	207.6		G5 V
134		05	21.3	110.6	216.4		F8 V
135	43°3770	12	45.1	110.4	201.9	9.24	K2 IV
136	42°3919	26	7.5	108.5	225.0	8.62	F5 V
137	371	28	54.9	108.9	195.8	10.94	F2 V
138	375	30	25.0	108.0	214.2	10.93	A3 V
139		47	43.5	106.3	202.7		G3 IV
140		48	12.1	105.8	222.2		A5
141		59	10.0	104.7	223.4		F2 V
142	43°3775	56 02	59.0	105.4	193.3	8.60	A5 V
143		06	15.6	103.9	219.9		A0 V
144		06	4.5			9.11	A8 IV
145	43°3776	25	40.4	102.5	204.6	10.83	A1 V
146		42	14.5	100.4	220.6		F6 V
147		57 00	15.6	98.5	219.9	9.94	A0 V
148	394	06	56.5	98.3	194.6	11.10	G3 V
149	43°3780	10	51.7	97.7	197.5	6.86	G8 III
150		12	3.0				A3 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
151	404	20 ^h 57 ^m 44 ^s	+43°37.6	93.7	206.2	10.84	GO V
152	411	58 15	41.0	90.4	204.0	11.48	A0 V
153		18	13.8				F8 IV
154	412	18	54.0	90.0	196.1	11.45	F5 V
155	43°3784	36	55.6	87.9	195.0	10.83	A5 V
156	43°3783	39	39.0	87.6	205.3	10.73	F2 IV
157		41	22.0			8.92	B9 V
158		46	49.8	86.8	198.8		A2 V
159		54	25.0				F2 III
160		59 21	20.4				F0p
161		21	48.0	83.0	199.7		F8
162	43°3786	26	31.5	82.2	209.6	7.62:	B9 V
163		36	38.3	81.2	205.7	10.43	GO III
164		50	54.7	79.9	195.5	10.71	A5 V
165	43°3789	55	59.3	79.0	192.5	6.4:	A2 III
166		57	26.9				G8 III
167		21 00 09	46.8	77.6	200.2	10.81	F5 V
168	43°3790	13	21.1				A0 V
169		21	45.0	76.0	201.4	10.11	A2 IV
170		40	57.0	74.5	193.8	8.78	B8 V
171		42	34.5				F5 IV
172		47	48.9	73.4	199.0	11.11	A2 V
173		58	48.7			11.62	F6 V
174		01 14	48.6				B9 V
175		32	55.0				F5 IV
176		02 04	53.4				GO V
177		20 38 23	+44°51.5	220.2	160.0	9.77	F5 III
178		33	36.0	219.5	169.5	8.03	B8 V
179		40	57.0	218.2	156.7	11.14	F0 V
180		57	14.0	217.5	183.0	10.38	G8 IV
181		58	20.7	217.1	179.0	11.72	F2 III
182		39 14	56.5	214.5	156.9	11.90	B5
183		24	30.0	213.9	173.4	10.95	GO V
184		24	10.8	214.4	184.9	8.09	A0 V
185	433	30	57.0	212.7	156.9	9.4:	A3 IV
186		30	20.2	213.6	179.2	9.41	G7 II
187		48	16.5	211.8	181.6	9.41	K0 V
188	43°3688	54	13.5	211.0	183.2	9.55	K2 I
189	44°3542	56	27.8	210.6	174.4	8.84	A0 V
190		40 06	26.0	209.4	175.7	11.60	F2 V
191		07	9.7	209.4	185.7		F5
192		29	25.7	207.1	175.9	11.76	F6 V
193	44°3547	32	38.8	206.4	168.1	9.37	K5 V
194	44°3551	36	28.2	206.2	174.5	10.92	F6 IV
195	44°3548	52	39.3	204.2	167.9	9.72	G3 V
196	479	41 00	52.5	203.1	159.6	11.00	GO V
197	43°3693	16	0.0	202.4	191.8	9.85	F0
198		19	31.3	201.2	173.0	11.23	GO IV
199	2579	25	20.7	200.2	163.0	11.64	F0 V
200	44°3551	30	56.7	199.7	157.7	9.40	F8 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
201	43° 3697	20 ^h 41 ^m 30 ^s	+44° 15.0	200.5	182.2	9.99	F2 V
202		30	45.3	199.9	164.1	9.47	AO V
203	44° 3553	34	45.7	199.5	164.3	8.54	B9 V
204	43° 3698	35	10.5	200.1	185.3	9.91	F2 V
205	502	36	19.2	199.8	180.2	11.00	F6 IV
206	44° 3555	41	50.2	198.7	161.5	8.07	G8 IV
207	509	46	33.0	198.4	172.0	11.04	F8 IV
208	44° 3556	51	29.3	197.9	174.3	8.80	AO V
209	44° 3557	52	49.5	197.7	161.8	10.26	A8 V
210	44° 3558	54	48.0	197.5	162.8	9.71	A3 V
211		42 24	36.7	194.2	170.0	10.49	F6 V
212		24	13.0	194.8	184.2		F8 V
213	44° 3563	24	58.8	193.8	156.2	9.12	G8 IV
214		25	25.5	194.1	176.4	11.32	F2
215		27	34.1	194.0	171.6	10.94	A8
216	43° 3700	34	11.2	193.6	185.3	9.51	G7 IV
217		36	50.2	192.6	161.5	11.17	F8 IV
218	70	42	3.5	192.9	189.9	11.05	G5 V
219	555	48	34.5	191.7	171.5	11.30	A3 V
220	557	53	51.3	191.0	161.0	10.69	GO V
221	559	54	48.0	190.8	163.0	11.28	GO V
222	75	56	7.5	191.1	187.6	11.23	F6 V
223		56	33.0	190.7	172.8		A
224	43° 3704	43 04	14.4	190.1	183.5		A2 IV
225		06	58.2	189.5	156.6		A2 V
226		07	8.2	189.8	187.2	11.36	F8 V
227		10	50.7	189.1	161.2		F5 V
228	44° 3567	17	21.7	188.6	179.0	10.56	A3 V
229	574	19	24.5	188.1	177.3	10.75	GO III
230		20	15.0	188.2	183.4	11.74	F5 IV
231	580	28	13.2	187.3	184.4	9.53	AO V
232		41	12.0	185.8	185.1	10.75	A1 V
233		46	43.5	185.3	165.7		G3 V
234		47	53.3	184.8	159.7	11.76	F8 V
235		51	4.6	185.2	189.7		G8 III
236	594	51	32.0	184.5	172.7	11.15	GO IV
237	603	44 06	19.0	183.1	180.6	11.22	A3 III
238		06	10.0	183.4	186.6		A2
239		07	9.7	183.4	186.6		A2
240	44° 3569	10	37.5	182.5	169.7	8.69	A2 V
241	44° 3570	15	37.4	182.0	169.6	9.11	F0p
242	120	24	7.5	181.5	168.0	10.81	A8
243	623	35	17.2	180.3	181.9	10.99	F2 III
244	44° 3573	40	39.0	179.2	168.7	9.23	K5 III
245		46	48.8	178.6	162.6		F2
246	44° 3575	45 08	49.5	176.2	162.5	10.44	F6 V
247		12	25.5	176.0	177.2	11.33	F-G
248		13	6.7	175.2	188.5		F0
249	43° 3719	30	16.5	174.3	182.5	9.97	G3 III
250		30	0.1	174.4	192.5		F0 IV

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
251		20 ^h 45 ^m 33 ^s	+44° 58.7				F6
252	661	40	16.2	173.1	182.7	10.55	A7 V
253	44° 3581	46 00	41.0	170.8	167.6	9.36	A7 V
254	44° 3582	05	35.4	170.2	171.3	8.52	F2 III
255	44° 3583	06	36.8	170.0	170.4	10.71	A5 V
256	44° 3584	15	25.2	169.3	177.6	9.45	A2 V
257	44° 3587	18	35.2	168.7	171.5	10.8:	B8 III
258		30	40.0	167.5	168.2		A1
259	43° 3727	32	7.6	167.6	188.0	10.96	F5 V
260		43	30.0	166.2	174.6		A2
261	699	44	36.0	165.9	171.1	10.95	GO III
262		52	7.5	171.9	174.4	9.68	KO III
263	204	57	5.0	164.6	189.6	11.17	F2 V
264		47 00	5.6				F0
265	207	09	2.5	163.5	191.4	11.32	F2 V
266	43° 3730	15	1.5	162.8	191.4	9.24	F2 V
267		24	52.2	150.0			A8
268		40	46.8	159.7	164.0		GO
269		49	52.2				F0
270	43° 3738	48 15	15.1	156.0	183.3	10.30	F0 V
271	748	14	38.5	155.7	169.2	10.37:	F5 V
272	44° 3597	22	40.5	154.9	168.3	9.66	B5 III
273	43° 3741	33	14.5	154.2	183.5	10.51	F6 V
274	44° 3596	35	53.0	153.7	159.8		G8 IV
275		43	23.0	153.2	178.7		F2 V
276		44	47.2	152.9	163.8		F8 V
277		54	45.8	151.8	164.7		GO IV
278		49 03	29.4	151.0	174.8		F5
279		07	15.2	150.6	183.5		GO
280		11	43.1	150.2	166.4		A5
281	44° 3600	16	31.2	149.1	173.8	9.37	F2 V
282	44° 3601	21	39.5	148.5	168.9	9.53	G8 V
283		27	26.0	148.4	175.8		F2 V
284		36	51.0				K2 V
285		55	57.0				F8 IV
286		50 12	1.4				KO V
287	820	14	54.0	143.0	159.2		F2 V
288	43° 3747	22	14.5	142.1	183.5	8.51	B0 V
289	44° 3610	25	34.4	141.8	172.0	10.15	F5 V
290		38	58.6				F8 V
291		43	18.0	140.1	181.7		F8 V
292	43° 3751	48	0.7	139.7	192.7	9.82	B2 V
293		48	37.4	139.3	169.8		F8 IV
294	43° 3752	51	14.2	139.2	184.0	9.62	G8 V
295	44° 3613	58	31.5	138.3	173.6	9.03	G5 III
296	847	51 02	23.1	135.8	177.1	11.32	F0 V
297		13	56.0				F8 III
298		22	52.2				F5 V
299	857	23	25.5	138.2	178.6	11.24	A5 V
300	44° 3616	24	29.5	135.5	174.5	10.08	A1 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
301	44° 36 17	20 ^h 51 ^m 34 ^s	+44° 58.8	134.5	156.5		G8 V
302	866		28.8	134.0	175.2	10.98	A2 V
303	868		38.0	133.6	169.6	10.91	F2 V
304	869		58.0	133.0	157.5		A0 V
305	870		29.0	132.8	175.0	9.79	G8 V
306	886	52 06	11.4	131.2	185.8	7.00	G0 III
307	44° 36 24		55.2	129.3	159.1	7.58	B9 III
308	903		56.5	128.5	158.4	11.32	A7
309	925		53.2	126.0	160.5	11.72	A7
310	44° 36 28		56.8	125.0	158.2	7.80	B9 V
311		53 00	18.6				A7
312	44° 36 27		39.0	124.9	168.8	10.03	B3 V
313	950		23.1	123.1	178.8	10.95	F8 V
314	44° 36 29		34.1	123.1	172.0	10.38	B8 IV
315	44° 36 33		41.1	121.1	167.6	9.31	B9 V
316	971		13.5	120.7	184.5	11.22	F2 V
317	44° 36 34		40.5	120.4	168.0	9.36	K0 V
318	977		41.2	119.8	167.5	11.00	F2 IV
319			15.8	119.8	183.0		K0 V
320	44° 36 36	54 02	36.0	118.3	170.7		B9 IV
321	43° 37 66		10.5	117.0	186.1	6.94	B8 III
322			27.4	115.8	175.9		A1 V
323	44° 36 37		35.1	115.0	171.2	10.06	B8 IV
324			27.9	114.3	175.8		B5 V
325	43° 37 68		8.1	113.9	187.6	10.09	B9 V
326			35.5	113.8	171.0		B9 V
327	357		7.8	112.9	187.8	10.23	B9 III
328	44° 36 38		23.6	113.0	178.0	10.66	A3 V
329		55 11	28.5				A2 V
330	43° 37 71		6.8	110.1	188.4	10.40	F2 V
331	1071		36.7	110.1	170.1	10.34	G0 V
332	44° 36 42		25.5	109.9	176.9	10.82	A1 III
333	44° 36 44		52.3			9.12	F8 III
334	43° 37 72		18.7	109.4	180.9	11.03:	F8 V
335	1079		32.4	108.9	172.7	11.56	G3 V
336			24.0	108.3	177.0		A2
337			22.7	108.2	178.7		A0 V
338			8.0	107.7	187.7		A0 V
339	1085		31.5	107.6	173.3	10.37	G8 V
340	1087		56.1	107.1	158.7	11.59	A8
341			23.3	106.4	178.5		A0 V
342	43° 37 74		20.2	106.0	180.1	11.2:	A2 III
343	44° 36 47	56 03	31.3	105.0	173.5	10.08	G8 V
344			15.3	104.8	183.4		A2
345	44° 36 49		35.8	104.7	170.9	7.3:	M5 III
346	1114		38.2	104.3	169.3	11.34	G5
347	44° 36 52		51.0	103.7	161.9	8.68	F6 V
348	43° 37 77		16.0	101.8	182.5	6.0	G5 V
349	1130		44.5	101.4	165.6	10.6:	G3
350			57.4	101.3	157.6	9.2:	B2 V

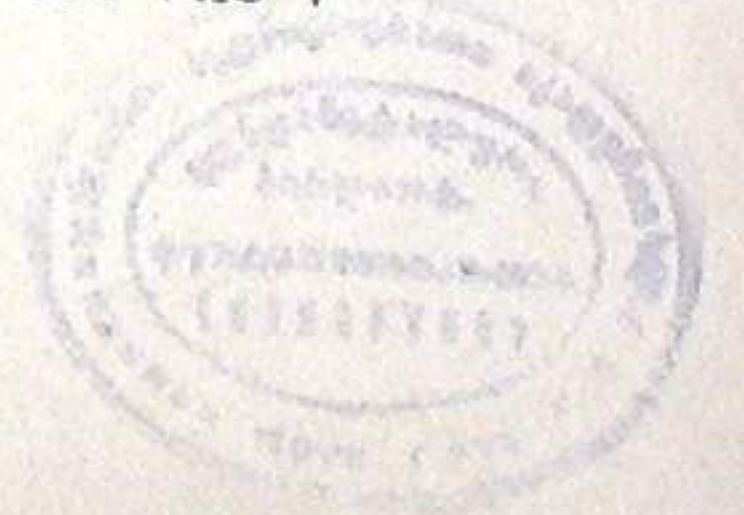
No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
351	1137	20 ^h 56 ^m 43 ^s	+44° 49.7	100.8	162.0	11.13	A2
352	43° 37 78		21.0	99.6	179.7	10.51	G5 V
353	43° 37 79		13.0	99.1	184.5	7.72	G8 I
354	1157	57 04	46.0	98.6	164.6	10.9:	F5 V
355		57 13	6.4				K2 III
356	44° 36 58	57 23	35.7	96.2	170.7	7.01	G5 III
357		28	34.1	95.8	171.7	10.85	G0
358		30	47.2	95.7	163.9	11.62	F2 III
359		42	58.0	94.7	156.8		A0
360	1180	44	18.0	93.9	181.4	11.20:	A2 V
361	43° 37 82	48	1.6	93.6	191.3	7.74	K0 III
362	1183	55	52.5	93.1	160.2	10.94	F0 V
363	1188	58	45.0	92.8	165.0	10.24	A2
364	1187	58	55.8	92.9	158.2	10.36	G3 III
365	1191	58 01	50.5	92.5	161.6		B9 V
366	44° 36 61	05	48.0	92.0	163.1	6.4:	G5 III
367		05	9.5	91.4	186.7	11.64	F5 V
368	1201	13	45.0	90.9	164.8	11.26	A1 V
369	1217	19	20.4	90.1	179.9	11.7:	F8 V
370	1214	20	34.0	90.2	171.7	11.02	F6 V
371		28	15.8	88.9	182.5	10.65	F6 V
372	44° 36 67	29	27.0	89.2	175.5	10.44	A3 III
373		35	6.2				A3
374		38	38.1	88.3	168.9		A8
375	44° 36 68	48	33.7	87.2	171.7	8.62	K0 III
376	44° 36 69	57	35.2	86.1	170.7	8.35	G3 III
377		59 03	8.3	84.9	187.2	11.04	A0 V
378		04	58.3	85.7	157.1	11.62	G0
379		05	41.1	85.5	167.2	11.69	A2 V
380		06	2.3	84.8	190.9	10.63	F0 V
381		08	14.0	84.5	183.6	11.26	F8 V
382	44° 36 71	09	43.5	84.9	166.1	9.53	G3 IV
383		12	11.1	84.3	185.4		A2 V
384	43° 37 85	19	50.5	83.9	161.8	11.05	G0 V
385		21	30.0	83.4	173.7	11.58	G0
386		21	2.0	83.1	191.1	11.86	A0 V
387		24	54.6	83.6	159.1		A2 V
388		48	50.8	80.0	161.4	11.00	F2
389	44° 36 74	51	29.4	80.3	174.0	9.80	G7 V
390		54	7.5	79.4	187.4	11.06	F2 V
391		21 00 13	46.5	77.8	163.8	11.63	F8
392		17	59.4	77.6	156.1	12.05	F2
393		19	13.2	76.6	184.2		M0
394	44° 36 77	20	45.0	76.9	164.7	9.04	G8 II
395	44° 36 76	21	27.0	76.8	175.5		A0 V
396	44° 36 79	36	35.5	75.3	170.2	6.2:	M2 III
397		37	57.5	75.5	157.2	11.96	A5
398		39	41.5	75.1	166.7	11.29	A0 V
399	44° 36 80	51	24.4	73.6	176.9	7.46	K2 III
400		51	18.0	73.4	180.9	10.69	F8 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
401		21 ^h 01 ^m 08 ^s	+44°48.3	71.8	162.7	11.97	A
402		14	22.5	70.9	178.1		A1 V
403	44°3682	16	36.5	70.9	169.6	8.81	G5 V
404		19	59.0	70.9	156.0	10.83	A0 V
405		22	42.7	70.3	165.9	10.64	A0 V
406		29	21.6	69.1	178.6	10.73	F2 V
407	44°3683	31	57.0	69.4	157.1	9.70	G8 V
408		31	7.5	68.4	187.5	9.31:	G5 IV
409	44°3684	40	47.5	68.3	163.0	9.75	POp
410		41	9.5	67.4	185.9	11.36:	GO V
411		02 02	46.0	65.8	163.8	11.40	F2 V
412	44°3686	03	34.0	65.6	171.0	9.92	G3 V
413	44°3688	18	57.9	64.2	156.5	8.04	F2 V
414		20	37.5	63.8	168.8	11.63	GO
415		38	13.0				B7 V
416	44°3690	50	30.0	60.3	172.8	11.0:	F6 III
417	44°3691	50	41.2	60.7	166.3	9.16	K2 V
418		20 38 23	+45° 3.7	219.9	152.3	10.04	F6 V
419		24	55.0	218.2	121.2	10.10	F8 V
420	45°3237	36	23.3	217.9	140.1	8.06	B8 V
421	45°3238	40	26.2	217.4	138.5	8.63	GO V
422	1237	48	45.0	216.2	127.4	10.55	F6 V
423		50	55.5	215.7	121.0		A0 V
424		58	55.8	214.9	120.7		A2 V
425		39 01	26.2	215.3	138.9	10.79	F2 V
426	45°3239	18	36.3	213.1	132.6	8.43	B8 V
427	1262	20	57.2	212.4	120.1	10.45	A7
428	45°3240	40	25.7	210.9	138.9	10.10	F8 V
429		44	30.6	210.6	136.1		B9 V
430		55	27.6	209.4	138.0	11.10	F8 IV
431	1310	40 10	50.2	207.4	124.4	8.79	B5 V
432	1317	13	56.7	206.9	120.6	11.11	B9 V
433		19	45.0	206.5	128.1		A1 V
434		23	21.9	206.8	142.3		B8 VI
435	1320	19	37.0	206.7	131.8	10.37	A2 V
436	44°3546	19	15.6			10.3:	A2 V
437	1324	27	41.1	205.6	129.9	11.00	F8 V
438		36	51.8	204.4	124.5		A2 V
439	45°3245	40	39.0	204.4	131.4	7.43:	GO
440		41	54.3	204.1	121.9		A2 V
441		44	1.3	204.7	154.0	10.22	K0 V
442	1342	45	49.2	203.6	125.1	11.11	B9 V
443	1349	50	43.2	203.0	128.6	9.59	B3 V
444	44°3549	41 04	9.3	202.4	149.2		A9
445	44°3550	20	4.7	200.7	152.0	10.40:	A2
446		22	27.0	199.9	140.5	11.10	F2
447		24	39.3	199.8	131.6	9.30	A0 V
448	1385	32	57.4	198.4	120.2	9.71:	A0 IV
449	1394	41	42.2	197.8	129.4	9.34	F6 IV
450	1390	42	21.5	198.2	142.0	11.14	F2 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
451	44°3554	20 ^h 41 ^m 42 ^s	+45° 6.0	198.3	151.4	8.21	G5 IV
452	1395	48	21.2	197.5	142.0	10.45	B9 V
453	1400	53	18.2	197.0	143.9	11.69	A2 V
454	44°3559	42 04	4.4	196.0	152.3	10.07	A2 V
455		06	35.3	195.2	133.2		B9 V
456		06	46.1	195.1	127.7		B8 V
457		11	53.0	194.7	122.7		A1
458	44°3561	16	1.5	194.9	154.0	8.08	F8 IV
459		17	42.2	194.0	129.4	11.29	A7
460		36	50.0	192.1	124.7		GO V
461		37	52.2	191.8	123.1		A0 V
462	44°3565	43	3.7	191.7	153.0	10.69	FO V
463	1453	43	59.0	190.9	119.2	10.38:	A1 V
464	1447	44	24.0	191.5	140.6	10.32:	A1 V
465	1456	48	43.5	190.6	128.8	11.40	B9 V
466	1464	57	37.2	189.7	132.6	11.11	B8 V
467	43°3704	43 00	43.6	189.4	128.7	11.06	A3 V
468		03	22.0	189.1	142.4		A1 V
469		06	42.3	188.7	129.2		A0 V
470	44°3566	10	2.0	188.8	153.5	9.92	GO IV
471	573	17	0.0	188.1	155.7	11.06	F2 V
472	1497	24	33.9	186.8	134.6	9.13	B8 IV
473	1503	27	50.0	186.2	124.9	11.03	F2 IV
474		29	17.8	186.4	144.4	10.84	F8 V
475		34	46.4	185.8	127.0		A0 V
476		40	42.0	185.3	129.6		A1
477	1526	48	33.0	184.1	135.1	9.93	A0 V
478		44 09	01.3	182.5	155.2		B8
479	1546	09	35.3	181.9	133.8	9.62	B8 IV
480		13	20.2	182.0	143.2		A8
481	44°3572	20	5.1	181.1	151.9		A7
482	1562	24	42.7	180.3	129.5	9.99:	K0 V
483	621	29	0.6	180.1	155.1	11.08	A7
484	1567	32	22.4	179.5	142.1	11.62	A2 V
485	1571	32	35.9	179.3	133.7	11.35	A8 V
486		34	56.7	179.4	121.8		A2 V
487		36	04.5	179.5	153.5		A0
488	635	39	5.5	178.9	152.1	11.56	A1 V
489	44°3574	47	20.0	177.9	143.2	8.91	FO V
490	1592	50	37.0	177.4	133.1	9.98	G8 V
491	1599	45 00	26.0	176.5	139.8	10.69	A0 V
492	44°3576	04	6.5	176.3	151.8	10.13	F8 IV
493	1604	06	23.4	175.8	141.4	10.73	A0 V
494	1615	12	49.0	174.9	125.8	10.68	GO IV
495		23	3.1	174.7	154.2		F6
496		24	45.3	173.9	128.5		B9
497	1631	33	15.4	172.9	146.3	10.39	F2 V
498		34	58.3	172.4	120.1	11.7:	B9 V
499		36	38.7	172.9	132.7		B9
500	45°3275	36	23.6	172.6	141.4	6.6:	K7 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
501	1651	20 ^h 45 ^m 46 ^s	+45°56.4	168.5	149.4	11.01	A8
502	3579	48	17.3	171.3	144.7	9.78	FO
503	45°3279	52	30.1	170.8	137.9	9.94	B8 V
504	1659	59	25.5	170.2	140.5	11.28	B5 V
505	45°3280	46 02	34.7	169.8	134.9	10.32	A7
506	45°3281	04	56.7	169.2	121.6	9.84	G8 V
507	685	15	11.5	171.2	121.3	9.91	B9 V
508	45°3283	18	56.0	168.0	122.0	9.99	G8 V
509	45°3287	30	37.7	166.5	133.2	10.31	B9 V
510		36	13.3	166.5	148.1		G5
511	1701	38	48.7	165.8	126.6	9.94	A0 V
512		42	16.4	165.7	146.2	7.77	B9 V
513	45°3288	43	28.5	165.3	138.8	8.69	G0 III
514	1710	49	11.4	164.9	149.1	10.89	G0 V
515	705	54	5.0	164.3	153.0	9.82	FO V
516	709	47 00	2.0	163.7	154.9	10.24	F8 IV
517	45°3289	03	40.2	163.1	131.8	8.64	G8 III
518	45°3290	10	26.5	162.5	139.9	8.86	B0 V
519		22	34.7	161.5	135.0		K0
520	1751	24	22.5	161.6	142.2	10.76	A7 V
521	1759	31	13.5	160.9	147.8	9.82	B3 III
522		36	56.6	159.8	121.8		A0 V
523	1769	37	12.0	160.0	149.0	10.73	F2 V
524	45°3293	40	50.7	159.1	124.9	10.72	B9 V
525		47	23.1	158.8	142.1		F5
526		59	49.2	157.0	125.9	10.60	B3 III
527		48 02	16.4	157.4	146.2		A7
528	1797	07	32.5	156.2	135.9	11.3:	A5 IV
529		11	2.4	156.3	154.7		G0
530	44°3596	15	09.4	155.6	150.2		G7 V
531		23	17.9	155.0	145.5		B8
532		24	25.7	154.8	140.6		A3
533	45°3297	25	37.5	150.6	124.9	11.22:	G5 III
534		39	10.5	153.3	149.7		A7
535		48	7.5	152.1	151.8		G0
536		58	6.5	151.2	152.2		F8
537	45°3303	49 16	51.0	148.8	124.9	9.36	B8 V
538	1870	19	39.0	148.5	131.9	10.39	A1 III
539	44°3603	35	7.2	147.0	151.4		F2 V
540	1888	40	40.5	146.4	131.3	10.89	F2 V
541	44°3604	41	9.3	146.4	150.6	9.79	A0 V
542	45°3306	46	36.8	145.8	134.2	9.71	K0 V
543	44°3605	50	7.5	145.5	151.8	10.82	F2 V
544		50 01	51.0	144.3	125.3		A
545	44°3607	06	5.2	143.8	153.1	9.35	A2 V
546	816	08	1.5	143.5	155.3	10.94	A7 V
547	44°3611	22	9.0	141.9	150.7	10.36	G0 V
548	1930	29	24.7	141.2	141.1	11.44	FO V
549		42	19.2	140.3	144.4		F8 V
550		54	48.8	138.9	126.4		A5

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
551	1953	20 ^h 51 ^m 00 ^s	+45°35.4	138.1	134.7	10.82	G5 V
552	45°3310	04	55.4	137.8	122.3	9.07	K0 III
553	45°3311	07	39.9	137.4	132.0	9.91	A8 V
554	45°3312	14	30.2	136.6	137.9		A0 IV
555	44°3615	16	16.6	136.4	146.0	8.39	A2 V
556	45°3313	18	37.6	136.2	133.5	10.16	A2
557	1973	20	21.2	135.9	143.2	11.15	B8 V
558	1977	29	37.4	135.0	133.7	11.06	B9 III
559	45°3315	32	57.1	134.7	121.6	10.83	A2 V
560		35	36.0	134.2	134.5		A2
561	45°3316	41	37.5	133.7	133.5	9.50	G8 V
562		45	43.3	133.3	130.0	11.84:	F2 V
563	2004	50	46.0	132.9	125.4	9.27	A0
564	2014	52 01	56.1	131.6	122.2	10.81:	G5 III
565	45°3320	06	49.5	130.9	126.3	8.34	G0 III
566	45°3321	13	28.0	130.2	139.2	10.35	K2
567	45°3323	17	22.0	129.8	142.8	9.70	F6 V
568		24	19.4	129.2	143.3		A0
569	44°3625	29	20.6	128.4	143.6	10.44	F5 V
570		29	57.2	128.6	121.4	11.05	A3 V
571		35	01.3				B9
572	44°3626	40	8.8	127.3	150.8	9.91	A0 V
573	2065	41	55.2	127.2	122.6	9.41	K0 V
574	2067	42	16.2	127.0	146.1	11.35	A7
575		50	29.2	124.9	139.3		A3 V
576	930	58	9.1	125.5	150.7	11.02	B9 IV
577	2093	53 04	27.7	124.8	139.3	11.33	G0 V
578	942	10	9.7	124.2	150.3	10.32	G5 V
579	2099	16	51.7	123.7	124.8	11.23	G2 V
580		18	32.0	123.3	136.6	12.03	A0 V
581		19	00.1	123.2	155.9		B9
582	2107	20	13.6	122.9	147.9	11.68	B9 V
583	2113	33	27.0	121.7	139.7	11.09	B9 V
584	44°3631	34	5.2	121.4	153.0	8.80	A1 V
585	2116	35	35.0	121.4	134.8	10.95	A2 III
586		41	7.5	121.0	151.6		B9
587	45°3330	41	26.5	120.7	140.0	9.76	G5
588		47	30.8	120.1	137.2	10.76	B9 IV
589	2137	53	57.0	119.6	121.4	11.11:	A2 IV
590	2146	54 02	46.2	118.7	127.9	11.43:	B8 III
591	2152	10	33.0	117.8	136.0	11.84:	F8 V
592	45°3333	12	25.5	117.2	140.7	10.34:	A2 V
593	995	17	10.0	116.7	150.1	11.74:	B5 V
594	45°3336	29	26.5	115.6	139.9	9.17	K0 V
595	2174	32	38.3	115.4	132.4	11.22	F2 V
596	2178	38	26.0	114.7	140.4	11.57	B8 II
597	45°3338	54	55.5	113.1	122.1		A3
598	44°3640	56	20.1	112.7	143.9	10.41	B8 V
599	2202	03	30.5	112.0	137.4	12.00:	B8 IV
600	2203	05	13.6	111.7	147.8	11.68	A8 V



No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
601	1050	20 ^h 55 ^m 06 ^s	+45° 0.8	111.4	155.8	10.89	A1 IV
602		07	44.4	111.6	128.9		F8
603	44° 3641	09	8.2	111.2	151.3	8.4:	G2 IV
604	2207	13	48.1	111.0	126.7	10.44	F2 V
605	45° 3343	30	45.0	109.0	128.5	9.85	F6 IV
606	45° 3342	30	25.0	108.9	140.9	10.85	A8 V
607	2224	35	40.0	108.4	131.5	10.96	F0 V
608		36	33.9	108.3	135.2		B9
609	45° 3345	40	54.3	108.0	122.7	9.54	F8 V
610		47	54.9	107.7	122.2		B5-B8
611	2239	48	18.0	106.9	145.1	11.98	A0 V
612	44° 3646	56	16.7	106.1	145.8	9.05	F2 V
613	45° 3346	59	49.0	106.1	126.0	8.42	F5 V
614	2254	56 01	27.8	105.6	138.9	11.22	F0
615	44° 3648	03	19.0	105.5	144.6	11.5:	F0p
616	1100	05	10.5	105.2	149.7	11.54	B8 V
617	44° 3650	06	20.7	105.1	143.4		G5 IV
618	45° 3348	11	33.0	104.5	135.7	10.64	B5 V
619	44° 3651	14	21.0	104.2	143.1	10.61	F5 V
620		18	23.1	104.1	141.6		B9
621		19	2.4	103.6	154.8	11.27	F2 V
622	2281	19	13.0	103.6	148.0	9.70	G8 V
623	2280	20	36.8	103.7	133.4	10.84	B8 V
624	2294	31	24.2	102.6	140.7	10.86	F0 V
625	2295	32	45.2	102.5	128.1	11.51	F2 V
626	2300	36	41.2	102.0	130.5	11.82	B9 IV
627	44° 3654	40	17.5	101.4	145.4	10.70	B9 V
628	45° 3350	41	47.7	101.6	126.8	10.16	B7 V
629	2312	43	36.1	101.3	133.8	11.70	A8
630	2314	50	44.5	100.5	128.6		B7 IV
631	2320	55	44.1	100.1	128.7		F2 V
632	45° 3351	57 04	38.5	99.1	132.3	10.15	A2 V
633		06	9.9	98.7	150.0	11.05	F2 V
634		18	53.0	98.0	123.4	12.4:	A
635	2350	20	49.5	97.6	125.6	11.49:	A0 V
636		21		97.4	140.4		B8
637		21		97.2	144.8		A0
638	45° 3354	31	33.5	96.3	135.4	10.90	G0 V
639		37	01.3	95.0	155.1		A2
640		43	27.0	94.8	139.3		A7
641		44	6.0	94.4	152.4	11.68	B8 IV
642	2388	49	52.5	94.5	123.5	11.65:	A0 III
643	2392	50	38.5	94.3	132.0		B8 V
644	2396	54	39.2	93.9	131.5		B9 V
645	2401	55	12.0	93.4	148.4		A2 V
646	45° 3355	58	24.5	93.2	140.7	10.52	B9 V
647		58	10.4	93.1	150.4		A2
648	45° 3356	59	45.7	93.4	127.7	8.99	G5 III
649	2407	05	59.5	92.9	119.3	11.53	F2 I
650	2417	10	40.5	92.0	130.8	10.67	G0 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
651	44° 3662	20 ^h 58 ^m 11 ^s	+45° 2.2	91.4	154.3	9.32	F3 V
652	45° 3358	14	45.6	91.6	127.8	8.76	K2
653	2440	25	15.8	90.0	145.9	11.15	A2 V
654		28	58.6	90.8	119.7		A1
655	2448	32	21.0	89.3	142.9	11.66	G0 III
656	2451	42	51.9	88.9	124.0	11.36	F6 V
657		43	26.7	88.6	139.5		A1
658		46	34.5	88.1	134.6	12.58	A0 V
659	45° 3359	48	48.0	88.1	125.6	10.63	B9 V
660		49	1.3	87.3	154.9	10.94	K0
661	44° 3670	59 01	18.0	86.3	144.4	8.62	G0 I
662		06	8.6	85.9	150.3		G8
663		07	36.0	85.9	133.6	12.27	A0 III
664		07	19.5	85.6	143.6	11.31	A5 V
665	45° 3363	08	58.7	86.1	119.5	10.35	A5 IV
666		11	13.0	85.1	148.0	11.63	B8 V
667		22	34.3	84.3	134.8	12.12	A
668	44° 3673	38	18.3	82.1	144.5	10.09	A3 V
669		42	28.9	82.0	137.8	10.36	F8 V
670		49	55.4	81.7	121.4	12.01	F5 V
671		58	37.4	80.5	132.5	10.03	G3 IV
672		58	24.7	80.2	140.4	10.75	F3
673		58	2.4	79.3	154.1	11.90	F6
674		21 00 07	27.0	79.3	138.8	10.11	A1 IV
675		09	32.7	79.1	135.4	11.2:	A1 V
676	44° 3675	17	9.3	78.0	149.8	11.00	G0 III
677		19	55.5	78.4	121.4	11.89	F6 V
678	44° 3678	20	21.8	77.6	142.1	10.18	G0 IV
679		25	11.1	76.9	148.8	11.86	A2 V
680		31	10.7	76.5	148.8		A2
681		33	56.0	77.0	120.9	12.14	A1
682		42	12.9	75.1	147.6	11.88:	A0 V
683		50	32.0	74.7	135.6	9.6:	G3
684		01 51	47.3	75.2	126.5		A3
685	45° 3371	00 52	40.8	74.7	130.1	7.8:	K3 V
686		53	27.8	74.3	138.4		G3 V
687	44° 3681	01 02	2.7	72.7	153.9	10.94	A1
688		04	13.8	72.7	146.9	11.11	B9 V
689		05	32.8	73.3	135.1		K5
690		07	11.1	72.4	148.5	10.97	F6 V
691		07	49.1	73.4	125.0	9.98	A0 V
692		15	49.7	72.5	124.6	9.41	G8 V
693		18	48.2	72.2	125.5	10.28	F2 IV
694		22	55.5	72.1	121.2		A0
695		22	32.0	71.2	135.5	11.56	A0 III
696		28	50.5	71.0	124.0	10.94	A7 V
697	45° 3381	42	35.3	69.3	133.3	9.21	B9 V
698		42	9.1	68.6	149.7	11.59	B8 V
699		43	54.6	69.7	121.4	11.62	A2 V
700		45	39.1	69.0	131.0	11.40	A0 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
601	1050	20 ^h 55 ^m 06 ^s	+45° 0.8	111.4	155.8	10.89	A1 IV
602		07	44.4	111.6	128.9		F8
603	44° 3641	09	8.2	111.2	151.3	8.4:	G2 IV
604	2207	13	48.1	111.0	126.7	10.44	F2 V
605	45° 3343	30	45.0	109.0	128.5	9.85	F6 IV
606	45° 3342	30	25.0	108.9	140.9	10.85	A8 V
607	2224	35	40.0	108.4	131.5	10.96	F0 V
608		36	33.9	108.3	135.2		B9
609	45° 3345	40	54.3	108.0	122.7	9.54	F8 V
610		47	54.9	107.7	122.2		B5-B8
611	2239	48	18.0	106.9	145.1	11.98	A0 V
612	44° 3646	56	16.7	106.1	145.8	9.05	F2 V
613	45° 3346	59	49.0	106.1	126.0	8.42	F5 V
614	2254	56 01	27.8	105.6	138.9	11.22	F0
615	44° 3648	03	19.0	105.5	144.6	11.5:	F0p
616	1100	05	10.5	105.2	149.7	11.54	B8 V
617	44° 3650	06	20.7	105.1	143.4		G5 IV
618	45° 3348	11	33.0	104.5	135.7	10.64	B5 V
619	44° 3651	14	21.0	104.2	143.1	10.61	F5 V
620		18	23.1	104.1	141.6		B9
621		19	2.4	103.6	154.8	11.27	F2 V
622	2281	19	13.0	103.6	148.0	9.70	G8 V
623	2280	20	36.8	103.7	133.4	10.84	B8 V
624	2294	31	24.2	102.6	140.7	10.86	F0 V
625	2295	32	45.2	102.5	128.1	11.51	F2 V
626	2300	36	41.2	102.0	130.5	11.82	B9 IV
627	44° 3654	40	17.5	101.4	145.4	10.70	B9 V
628	45° 3350	41	47.7	101.6	126.8	10.16	B7 V
629	2312	43	36.1	101.3	133.8	11.70	A8
630	2314	50	44.5	100.5	128.6		B7 IV
631	2320	55	44.1	100.1	128.7		F2 V
632	45° 3351	57 04	38.5	99.1	132.3	10.15	A2 V
633		06	9.9	98.7	150.0	11.05	F2 V
634		18	53.0	98.0	123.4	12.4:	A
635	2350	20	49.5	97.6	125.6	11.49:	A0 V
636		21		97.4	140.4		B8
637		21		97.2	144.8		A0
638	45° 3354	31	33.5	96.3	135.4	10.90	G0 V
639		37	01.3	95.0	155.1		A2
640		43	27.0	94.8	139.3		A7
641		44	6.0	94.4	152.4	11.68	B8 IV
642	2388	49	52.5	94.5	123.5	11.65:	A0 III
643	2392	50	38.5	94.3	132.0		B8 V
644	2396	54	39.2	93.9	131.5		B9 V
645	2401	55	12.0	93.4	148.4		A2 V
646	45° 3355	58	24.5	93.2	140.7	10.52	B9 V
647		58	10.4	93.1	150.4		A2
648	45° 3356	59	45.7	93.4	127.7	8.99	G5 III
649	2407	05	59.5	92.9	119.3	11.53	F2 I
650	2417	10	40.5	92.0	130.8	10.67	G0 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
651	44° 3662	20 ^h 58 ^m 11 ^s	+45° 2.2	91.4	154.3	9.32	F3 V
652	45° 3358	14	45.6	91.6	127.8	8.76	K2
653	2440	25	15.8	90.0	145.9	11.15	A2 V
654		28	58.6	90.8	119.7		A1
655	2448	32	21.0	89.3	142.9	11.66	G0 III
656	2451	42	51.9	88.9	124.0	11.36	F6 V
657		43	26.7	88.6	139.5		A1
658		46	34.5	88.1	134.6	12.58	A0 V
659	45° 3359	48	48.0	88.1	125.6	10.63	B9 V
660		49	1.3	87.3	154.9	10.94	K0
661	44° 3670	59 01	18.0	86.3	144.4	8.62	G0 I
662		06	8.6	85.9	150.3		G8
663		07	36.0	85.9	133.6	12.27	A0 III
664		07	19.5	85.6	143.6	11.31	A5 V
665	45° 3363	08	58.7	86.1	119.5	10.35	A5 IV
666		11	13.0	85.1	148.0	11.63	B8 V
667		22	34.3	84.3	134.8	12.12	A
668	44° 3673	38	18.3	82.1	144.5	10.09	A3 V
669		42	28.9	82.0	137.8	10.36	F8 V
670		49	55.4	81.7	121.4	12.01	F5 V
671		58	37.4	80.5	132.5	10.03	G3 IV
672		58	24.7	80.2	140.4	10.75	F3
673		58	2.4	79.8	154.1	11.90	F6
674		21 00 07	27.0	79.3	138.8	10.11	A1 IV
675		09	32.7	79.1	135.4	11.2:	A1 V
676	44° 3675	17	9.3	78.0	149.8	11.00	G0 III
677		19	55.5	78.4	121.4	11.89	F6 V
678	44° 3678	20	21.8	77.6	142.1	10.18	G0 IV
679		25	11.1	76.9	148.8	11.86	A2 V
680		31	10.7	76.5	148.8		A2
681		33	56.0	77.0	120.9	12.14	A1
682		42	12.9	75.1	147.6	11.88:	A0 V
683		50	32.0	74.7	135.6	9.6:	G3
684		01 51	47.3	75.2	126.5		A3
685	45° 3371	00 52	40.8	74.7	130.1	7.8:	K3 V
686		53	27.8	74.3	138.4		G3 V
687	44° 3681	01 02	2.7	72.7	153.9	10.94	A1
688		04	13.8	72.7	146.9	11.11	B9 V
689		05	32.8	73.3	135.1		K5
690		07	11.1	72.4	148.5	10.97	F6 V
691		07	49.1	73.4	125.0	9.98	A0 V
692		15	49.7	72.5	124.6	9.41	G8 V
693		18	48.2	72.2	125.5	10.28	F2 IV
694		22	55.5	72.1	121.2		A0
695		22	32.0	71.2	135.5	11.56	A0 III
696		28	50.5	71.0	124.0	10.94	A7 V
697	45° 3381	42	35.3	69.3	133.3	9.21	B9 V
698		42	9.1	68.6	149.7	11.59	B8 V
699		43	54.6	69.7	121.4	11.62	A2 V
700		45	39.1	69.0	131.0	11.40	A0 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
701	44°3685	21 ^h 01 ^m 48 ^s	+45°10.0	67.8	148.8	7.84	B9 V
702		52	56.8	68.7	120.0	10.15	G3 V
703		55	5.3	67.0	152.1	10.39	F6 V
704		02 01	48.0	67.5	125.5	11.28	A5
705		06	41.8	66.7	129.2	10.08	G5 V
706		13	11.9	65.0	147.9	9.02	G1
707	45°3385	20	24.0	64.5	140.2	11.16	F0 V
708		25	53.3	64.9	122.0	11.62	A0 V
709		26	39.1	64.4	130.8	11.12	A0 V
710	45°3389	42	50.5	63.3	123.7	8.28	G8:
711	44°3689	46	21.8	61.7	141.5	11.27	G0 V
712	45°3391	50	27.0	61.3	138.3	10.40:	G8
713		39	07.1	210.0	114.5		A2
714		20 39 43	+46 07.0	209.6	114.6		A1
715	45°3243	16	12.0	206.0	110.7	8.56	F2
716		18	16.9	206.0	108.6		A2 V
717	1328	32	8.3	204.5	113.1	9.84	A1 V
718	46°3015	35	26.4	203.6	102.2	10.24	B5 V
719	2538	42	13.3	203.1	107.1	10.29	F8
720		42	51.3	202.6	87.7		B9
721		49	46.2	202.1	90.9		B9
722		53	45.1	201.6	91.6		B8
723	46°3017	58	24.0	201.2	103.8	8.76	K2 III
724	2551	41 03	15.7	201.0	108.7	10.32	B7 V
725		09	21.4	200.6	105.5		A2 V
726		10	34.7	200.9	97.5		A0 V
727		30	26.4	198.3	102.7		G0 III
728		30	8.5	198.6	113.4		G5 IV
729	2579	36	37.0	197.2	96.0	10.75	B9 III
730		39	10.0	197.7	112.4		B8 III
731	46°3082	39	23.3	197.1	104.3	10.53	B8 V
732		54	13.5	196.2	100.9		A0 V
733	46°3026	42 03	40.2	194.3	94.1	9.87	A0
734	45°3252	04	08.1	194.8	113.6	6.62	G7 III
735	46°3025	04	29.4	194.5	100.7	10.65	A0 IV
736	46°3029	09	39.2	193.7	94.8	10.60	F2 V
737	2600	05	49.3	193.8	88.8	10.12	A2 V
738		29	24.6	192.2	104.7		G5 V
739		32	6.2	192.2	114.7		K0 V
740		32	35.9	191.5	96.9		G0 V
741		36	35.8	191.1	96.0		A0 IV
742		43	49.8	190.0	88.6		B9
743		48	54.6	189.0	85.7	11.6:	A5
744	2635	53	50.0	188.8	88.5	11.14	A0 V
745	2641	43 00	59.0	187.6	83.0	8.37	A3
746		14	56.2	186.4	84.6		G5
747		18	48.2	186.4	89.6	11.78	B8 V
748	2654	30	12.0	185.5	111.5	10.66	A8 V
749	2657	32	15.0	185.2	109.6	10.21	G0 V
750		36	52.6	184.4	87.2		A0 VI

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
751	46°3036	20 ^h 43 ^m 48 ^s	+46°26.1	183.5	102.8	9.64	K0 V
752		52	30.7	183.4	100.2		B5 V
753	533	53	9.6	183.1	112.8	8.89	B0
754	45°3262	44 00	0.4			8.51	M5 V
755	2674	04	20.0	182.0	106.6	10.62:	F6 V
756		08	50.0	181.4	88.9		A8
757		12	57.9	181.0	84.3		F
758		12	15.6	181.3	109.3		K0
759	1562	25	6.3	179.7	115.0		A3
760		25	50.4	179.7	88.7		A1 V
761	46°3039	29	43.3	179.0	92.3	9.18	A7 V
762	1569	30	0.4	179.2	118.5	10.31	B5 IV
763		48	9.4	177.8	113.3		B5 VI
764	2724	45 05	35.4	175.4	97.2	10.58	F2 V
765	46°3041	06	46.5	175.3	90.4	9.00	G2 III
766	46°3042	08	28.0	175.2	101.7	9.99	F0 V
767	45°3273	14	33.4	174.5	98.6	10.54	B8 IV
768	46°3044	15	55.0	174.1	85.1	7.74	A0 V
769		17	28.7	174.2	101.0	11.56	B9 IV
770		20	0.0	173.9	119.0	8.80	A1 V
771	2741	21	12.8	173.9	111.0		G3 V
772		24	06.3	173.8	115.8		B8 IV
773	2744	25	15.0	173.3	109.6	11.26	A0 V
774		30	19.7	173.0	107.4		A3 V
775		37	53.4	172.2	87.0		G5
776		42	07.7	172.0	115.0		B9 III
777		42	13.3	171.9	111.0		A0 V
778		48	6.0	171.1	115.1	10.48	F2 V
779	2770	49	31.5	170.6	99.5	10.79	A5 III
780		57	58.1	169.7	83.5	11.4:	A2 V
781	2785	46 07	33.0	168.9	100.1	10.32	A2 III
782	2789	10	48.2	168.4	90.1	10.41	A3 V
783	46°3052	13	33.0	168.0	99.3	10.54	A8 V
784		28	13.0	167.1	111.6		A
785		30	6.8	166.9	115.1		G5
786	46°3054	32	42.2	166.0	93.7		G2 V
787		36	23.7	166.0	105.0		A7
788	46°3057	48	28.5	164.5	102.2	9.29	F8 IV
789	46°3058	51	35.3	164.3	98.2	9.89	A1 V
790	46°3059	57	38.0	163.5	96.3	9.45:	F2 V
791	46°3060	58	28.0	163.5	102.4	10.83	F2 V
792		47 07	55.8	162.8	85.5		F6 V
793	1751	12	45.6	161.9	91.7	11.06	A7
794	2880	20	43.2	160.9	93.0		A0
795	2868	15	24.0	161.6	105.0	11.54	B7 V
796	2876	22	13.0	161.0	111.6	10.86	B9 V
797	1757	24	6.1	160.8	116.0	11.15	A0 IV
798	2885	29	19.9	160.0	107.4	8.61	G5 IV
799	2900	36	54.2	158.8	86.3	11.12	B9 V
800		36	52.1	159.6	87.7		B

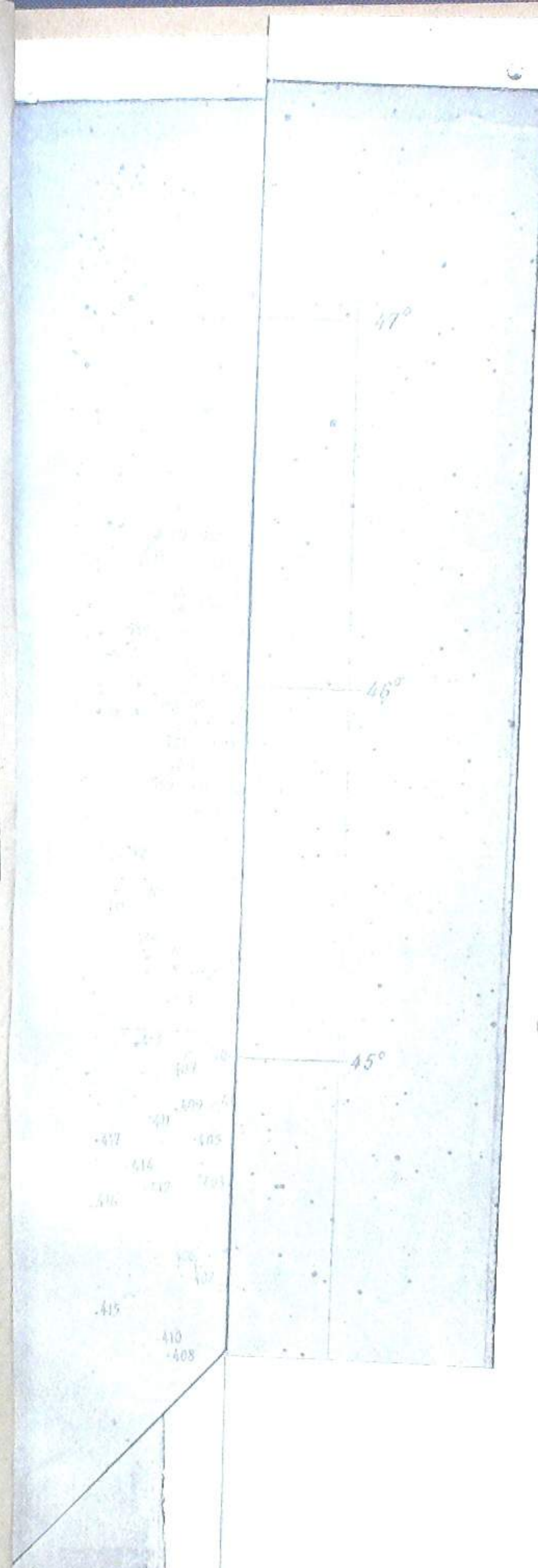
No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
801		20 ^h 47 ^m 39 ^s	+46°36.5	159.4	97.3		A0
802	46°3063		26.3	159.0	103.5	10.38	F8
803	45°3294		2.1	158.6	118.5		F8 V
804			43	158.9	91.6		B8 III
805	2908		44	158.2	97.5	11.12	B8 V
806			46	157.5	86.7		B9
807		48	58	156.7	96.3		A0
808			06	156.6	114.1		B8
809	45°3296		07	155.7	110.1	9.66	F5 V
810	46°3068		11	155.0	87.6	9.55	B9 V
			15				
811			18	155.4	117.0		A0 V
812	46°3069		28	154.2	105.0	10.41	F8 IV
813			28	154.4	97.6		F8 I-III
814			38	153.3	109.6		B9
815	2969		38	152.9	111.0	10.50	A2 V
816	46°3071		41	152.4	91.5	9.57	F2 IV
817			41	153.0	103.1		B8 V
818			46	152.5	83.1		B9
819			50	152.0	115.2		B-A
820			55	151.5	93.0		A1 V
821			55	151.5	102.7		B8 III
822	45°3300		59	150.8	118.8	9.87	A0 V
823		49	02	150.8	103.0		A2 V
824			06	150.5	97.7		B9
825			18	150.0	83.1		A3
826			17	149.3	118.5		F6 I
827	3013		20	147.5	104.3	10.69	B9 V
828	46°3072		24	148.0	101.5	9.80	B8 III
829			26	148.2	831.0		F2
830	46°3075		32	147.3	102.5	10.23	B9 IV
831			42	146.7	117.0		K2
832	3059	50	04	144.0	110.9	10.71	B3 V
833	46°3079		05	143.7	105.8	10.11	A8 V
834	46°3080		06	143.6	91.7	9.93	B5 III
835			11	143.5	112.9		F8
836	46°3081		15	142.6	99.5	7.69	B9 III
837			20	142.5	112.7		F5
838			20	142.5	97.5		B8 V
839			25	141.9	99.9		B9 V
840	46°3082		36	140.5	98.4	9.21	M8 III
841	3107		40	140.0	92.8	9.38	G8 V
842	46°3084		42	139.7	88.0	10.32	G2 V
843	46°3085		48	139.3	97.4	9.89	F6 III
844	45°3308		48	139.4	107.7	10.53	B9 V
845			46	139.1	109.8	9.13	A2
846	45°3309		52	139.1	92.3		B5 V
847			51	139.0	94.1		A2 V
848			53	138.2	100.9	9.58	A0 V
849	42°3892		58	137.7	99.1	11.40	KO V
850	3132	51	04				B9 V

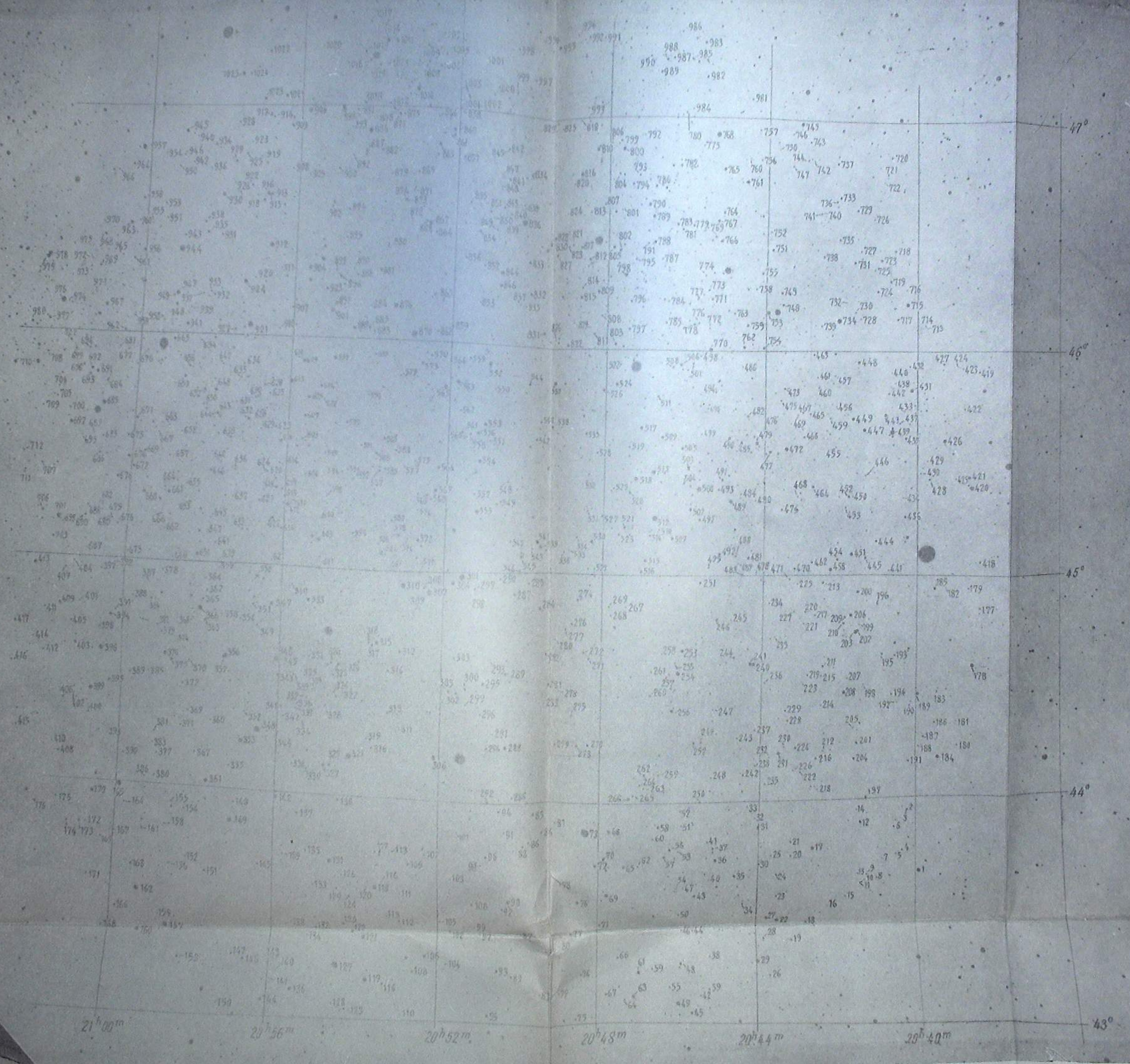
No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
851	3141	20 ^h 51 ^m 08 ^s	+46°34.9	137.1	98.1	11.40	B9 IV
852	3149		15	136.4	106.8	11.15	F0 IV
853			20	136.0	112.6		KO
854	46°3084		23	135.5	101.3	10.56	B8 V
855	3171		37	133.9	96.9	11.07	F2 V
856	3179		44	133.4	105.6	11.22	B3 V
857	46°3089		48	132.8	89.8	9.03	G8 V
858			52	132.9	82.9		G8 III
859	45°3319	52	02	5.1	131.6	116.6	A5 III
860	3200		06	55.1	132.1	8.83	KO:
861	3203		09	52.7	130.7	86.7	G5 V
862	2039		22	3.8	129.4	117.5	10.82:
863	3221		26	51.2	128.8	88.0	F8 V
864			28	28.4	128.9	101.8	B9 V
865	3224		29	13.1	128.7	111.6	B5 V
866			29	58.2	128.9	83.7	G3 IV
867	3235		38	31.4	127.6	100.7	A0 V
868	3243		44	31.5	127.0	100.1	B9 III
869	3252		57	44.0	125.6	92.4	9.24
870	2093		58	2.5	125.6	118.0	9.33
871		53	02	39.2	125.2	95.4	11.03
872			04	31.3	125.1	100.3	F8 V
873			13	36.4	124.4	97.0	A3
874			16	36.7	123.7	96.8	A2 V
875			21	58.5	123.2	83.5	10.34
876	45°3327		26	9.6	122.5	113.6	10.87
877	3271		29	59.2	122.4	83.6	7.61
878			32	59.3	121.8	82.8	9.70:
879	3277		37	43.0	121.4	92.8	B9 V
880	3278		40	24.6	121.1	104.3	11.19
881	3285		50	18.3	120.1	108.1	11.07
882	3286		54	49.2	119.8	89.1	10.87
883	2139		58	2.8	119.2	117.8	A5 V
884		54	02	09.6	118.9	113.7	G7 IV
885	45°3332		05	3.5	118.4	117.2	G3 III
886	3294		12	54.0	117.8	86.1	B9 III
887	3295		18	49.0	117.2	89.3	B9 IV
888	45°3335		24	17.0	116.3	108.9	7.1:
889			27	3.2	116.0	117.3	9.27
890			30	18.3	116.0	107.9	9.27
891	3306		33	59.0	115.7	82.9	10.78
892			36	47.3	115.4	90.1	8.9:
893	3310		41	54.8	114.9	85.6	A2 III
894	3315		42	33.7	114.7	98.5	A2 V
895	3319		43	26.5	114.4	102.9	A7 III
896	3327		52	16.5	113.5	109.0	KO V
897	45°3339		56	9.6	113.0	113.4	F2 V
898			56	59.5	113.4	82.6	B9 V
899			58	18.0	113.1	108.2	B0 V
900	3327		59	44.0	112.9	92.1	8.89

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
901	45° 3340	20 ^h 55 ^m 02 ^s	+46° 7.7	112.3	114.6		A7
902	3331	05	35.5	112.5	97.5	10.13	G3 V
903	3337	11	13.2	111.4	111.2	10.90	A2 III
904	3360	38	18.4	108.5	107.8	8.86	A7
905	3362	42	42.3	108.1	93.0	11.58	F2 V
906	3363	56	58.8	108.0	83.0	7.82	F6 III
907	45° 3347	56 02	8.1	105.8	114.3	11.25:	AO V
908		12	43.8	105.6	92.1		G2
909	3381	14	55.0	105.0	85.4	8.85	G8 V
910		24	02.9	103.9	117.6		AO
911		26	18.4	104.8	109.2		A1
912	3398	39	24.0	102.0	104.2	7.53	F6 V
913		45	37.0	102.1	96.1		B9
914	3397	45	57.0	102.0	84.0	10.95	F8 V
915		46	37.1	101.9	96.3		A2 V
916	46° 3402	48	37.5	101.2	96.1	8.78	A2 V
917	46° 3126	49	57.5	101.5	83.7	9.15	F6 V
918	3399	54	37.5	100.5	97.1	10.70	F5 V
919		57 05	46.5	100.2	90.1		A7
920		08	15.4	99.5	109.4		GO V
921	2337	14	0.2	98.3	118.9	10.63	B5 III
922		17	39.2	98.8	94.6		B8 III
923		20	50.6	98.7	87.9		B8 III
924	3420	21	14.6	97.7	110.2	8.11	KO IV
925		28	47.4	97.8	89.7		GO IV
926		35	37.3	97.0	96.2		B9
927		34	02.3	96.4	117.8		A2
928		41	55.6	96.5	84.7		AO V
929	3431	44	45.6	95.7	90.9	10.25	A5 V
930	2438	58 03	36.7	93.7	96.2	8.50	A3 V
931	3442	04	26.6	93.5	102.6	11.40	A2 V
932		11	10.7	92.5	112.3	11.64:	B3 V
933		17	11.5	91.9	111.8	11.87	B9 IV
934	46° 3135	17	49.8	92.3	88.2	10.2:	A3 III
935	3451	25	27.0	91.2	102.2	10.48	AO V
936		25	43.6	91.7	91.9		GO
937		28	11.1	90.9	112.0		AO V
938	3453	28	29.9	90.7	100.6	10.84	A2 V
939		42	07.7	89.4	114.6		B8
940		48	51.3	89.4	86.8		F8 V
941	2457	50	02.8	88.2	117.1	10.13	B8 III
942		54	45.1	88.7	90.9		K1
943	46° 3139	59 00	26.1	87.3	102.7	10.69	F8 V
944	46° 3141	06	22.5	86.7	104.9	7.40	B8 V
945	46° 3140	06	53.2	87.3	86.1	9.55	B9 V
946		07	46.8	87.2	89.8		A7
947		08	10.7	86.3	112.1	8.61	A7 V
948		14	2.0	85.5	117.2	11.56	A1 V
949		14	10.4	85.9	112.4		A8 IV
950		16	44.0	86.4	91.6		F2 V

No.	BD, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
951		20 ^h 59 ^m 30 ^s	+46° 30.2	84.1	99.9	11.14	F2 V
952		30	4.5	83.8	115.9		GO V
953		34	34.0	83.9	97.6	10.93	GO III
954		36	47.0	84.1	89.4		AO
955		57	29.1	81.9	100.6		A2
956	21 00	04	21.7	80.5	105.1	8.39	G5 V
957		05	49.0	81.4	88.3		A8 V
958		12	35.4	80.1	96.7	10.23	A1 IV
959		14	4.3	79.2	115.9		AO IV
960		17	29.8	79.7	100.3	11.88	B9 V
961		19	21.7	78.7	106.5	11.09	B8 V
962		26	0.3	77.8	118.2	10.46	B8 III
963		29	28.5	78.0	100.7	8.78	G8 IV
964		30	44.0	78.3	91.2	11.23	AO V
965		42	20.6	77.0	105.9		G2 V
966		56	42.4				AO
967	01 00	00	7.0	74.3	114.0	9.24	B5 V
968		09	25.5	73.7	102.7	10.03	F0 V
969		14	16.8	73.1	107.8	9.20	M5
970		16	28.6	73.7	100.5		AO V
971		18	10.4	72.8	112.0		F2
972		28	19.0	72.0	106.6		A3 V
973		42	18.4	70.7	106.8		AO V
974		56	7.4	68.3	113.6		AO
975		58	22.3	68.8	104.2	11.7:	A5
976	45° 3384	02 08	7.3	67.1	113.5	7.84	BO
977		27	2.2	64.9	116.5		F2 V
978	45° 3393	32	19.0				B8 III
979		36	18.0				B8 V
980		52	01.0	62.4	117.4	12.05	B
981		20 44 24	+47 5.8	179.6	79.6		AO
982		45 32	10.8	172.4	76.4		F2
983		37	17.8	172.0	71.1		A5
984		54	02.6	170.3	81.3		A2
985		59	15.0	170.0	73.7		AO
986	46 08	08	22.5	168.3	69.5		A2
987		24	15.4	167.1	73.6		B9
988		34	15.0	166.0	73.8		B9
989		42	11.9	165.1	75.8		F8
990		60	16.0	163.4	73.4		F2
991		48 13	21.4	156.0	70.2		F8
992		38	21.4	153.5	70.0		AO
993		38	03.1				A
994		56	22.3	151.5	69.5		G3
995	49 28	28	19.5	148.2	71.1		A2
996		54	21.0	145.5	70.2		G8
997	50 06	06	10.3	144.1	76.7		F8
998		33	17.8	141.2	72.1		F5
999		34	6.2	141.1	79.2		GO
1000		51 06	4.7	137.5	79.7		F2

No.	Bd, BSD	R.A. 1950	Dec. 1950	X	Y	Mpv	Sp
1001		20 ^h 51 ^m 22 ^s	+47°11.4	135.9	76.0		F0
1002		27	1.5	135.4	81.8		B8
1003		46	3.8	133.5	80.2		B8
1004		57	0.6	132.3	82.2		G5
1005	52	22	14.4	129.8	74.0		G5
1006		30	11.5	129.0	75.8		G8
1007		34	17.6	128.5	72.0		F2
1008		48	12.0	127.2	75.3		A1
1009		50	17.0	127.0	72.6		G5
1010	53	14	3.2	124.3	80.4		A5
1011		39	17.2	122.0	72.0		A0
1012		45	0.8	121.1	82.0		B9
1013		48	11.0	120.9	75.8		F0
1014		51	17.2	120.6	72.1		A5
1015	54	02	10.6	119.4	76.0		G
1016		17	11.8	117.9	75.3		G5
1017		18	21.9	117.8	69.1		F2
1018		21	1.5	116.9	81.8		A8
1019		24	14.0	117.1	73.9		F8
1020	55	28	15.1	110.2	72.9		A0
1021	56	26	2.3	104.0	80.7		A0
1022		56	14.0	101.4	73.5		B8
1023	57	02	1.6	100.4	81.1		A8
1024		26	8.0	98.2	77.0		G0
1025		40	8.0	97.0	77.0		B9





21^h00^m

20^h56^m

20^h52^m

20^h48^m

20^h44^m

20^h40^m

43°

47°

46°

45°

44°

КАТАЛОГ ФОТОГРАФИЧЕСКИХ ЗВЕЗДНЫХ ВЕЛИЧИН, ПОКАЗАТЕЛЕЙ ЦВЕТА,
СПЕКТРОВ И СВЕТИМОСТЕЙ СЛАБНЫХ 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

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2. Seares F.H., Ross F.E., Joyner Mary C. Publ. Carnegie 1941, N 532
3. Харадзе Е.К. и Бартая Р.А. Бюлл. Абастум. астрофиз. общ. 1960, № 25, 139
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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

No.	Mpg	CI	Sp
101	13.76	0.48	B0
102	10.55	0.17	B0 V
103	13.14	1.60	K2
104	12.79	0.41	A2
105	11.94	0.48	G5 V
106	12.34	0.58	G2 V
107	13.03	0.76	A7
108	11.44	0.41	F8 IV
109	10.04	0.28	F8 III
110	13.72	0.42	B5 V
111	13.70	0.57	G5
112	13.71	0.69	B2
113	13.24	1.61	K5
114	13.63	0.75	G8
115	13.31	0.65	
116	12.20	0.28	F0
117	11.26	0.39	G2 V
118	11.18	0.28	F8 III
119	13.38	0.49	B-A
120	13.11	0.39	F8
121	13.93	0.73	G8
122			M5
123	11.35	0.16	B2 V
124	12.32	1.19	K2 V
125	11.53	0.27	F2 V
126	13.39	1.00	K2
127	12.95	0.58	G8
128	12.00	0.39	G0
129	11.43	0.45	F8 IV
130	13.32	0.62	A7
131	13.80	0.57	G2
132	13.52	0.66	G3
133	12.75	0.59	B2 III
134	12.61	1.31	K2:
135	13.10	0.26	A2
136	12.29	0.89	K5
137	12.59	0.41	B3 V
138	13.75	0.61	F
139	11.92	0.32	A7
140			K0
141	13.33	0.38	B2 V
142	11.93	0.16	A3 V
143	10.93	0.28:	A0 IV
144	11.92	0.48	B3 III
145	12.82	0.42	F5
146	13.44	0.45	F2:
147	12.10	0.51	F5 V
148	12.32	0.31	F0p
149	13.67	0.79	K2 V
150	13.80	0.37	A2 V

No.	Mpg	CI	Sp
151	13.44	0.68	B2
152	13.54	0.56	A3
153	12.14	0.32	A3 IV
154	12.67	0.57	A5
155	13.77	1.58	K5
156	12.69	0.57	F8
157	10.97	0.25	F2 IV
158	13.36	0.66	B8 I:
159	10.62	0.16	F2 V
160	13.45	0.41	A7
161	13.34	0.64	A3
162	11.57	1.56:	K3
163	13.37	0.59	A2 III
164	13.58	0.76	G
165	12.41	1.25	K0
166	12.46	0.22	F0
167	12.12	0.47	F8 V
168	13.87	0.37	A0 III
169	13.89:	0.56:	G
170	13.54	0.46	
171	10.59	1.25	K3 III
172			B5 V
173	13.70	0.82	K0
174	13.64	0.52	F0
175	13.31	0.51	F8
176	13.44	0.55	A7
177	13.54	1.24	K3
178	11.23	0.18	A0p
179	12.84	0.34	B8 V
180	13.24	0.61	A5
181	11.51	0.18	F2 V
182	13.59:	1.40:	K3
183	12.99	0.59	G3
184	12.09	0.32	B3 III
185	10.95	0.03+	A0
186	13.42	0.39	09
187	13.44	0.64	G
188	12.64	0.29	A0
189	13.97	0.72	G5
190	12.97	0.16	A2
191	13.58	0.53	G5
192	13.53	0.47	
193	13.61	0.25	
194	12.91	0.47	A3
195	12.15	0.27	G2 V
196	13.93:	0.81:	K0
197	13.29	0.57	A3
198	12.87	0.37	F6
199	12.68	0.63	G5
200	13.71	0.60	G

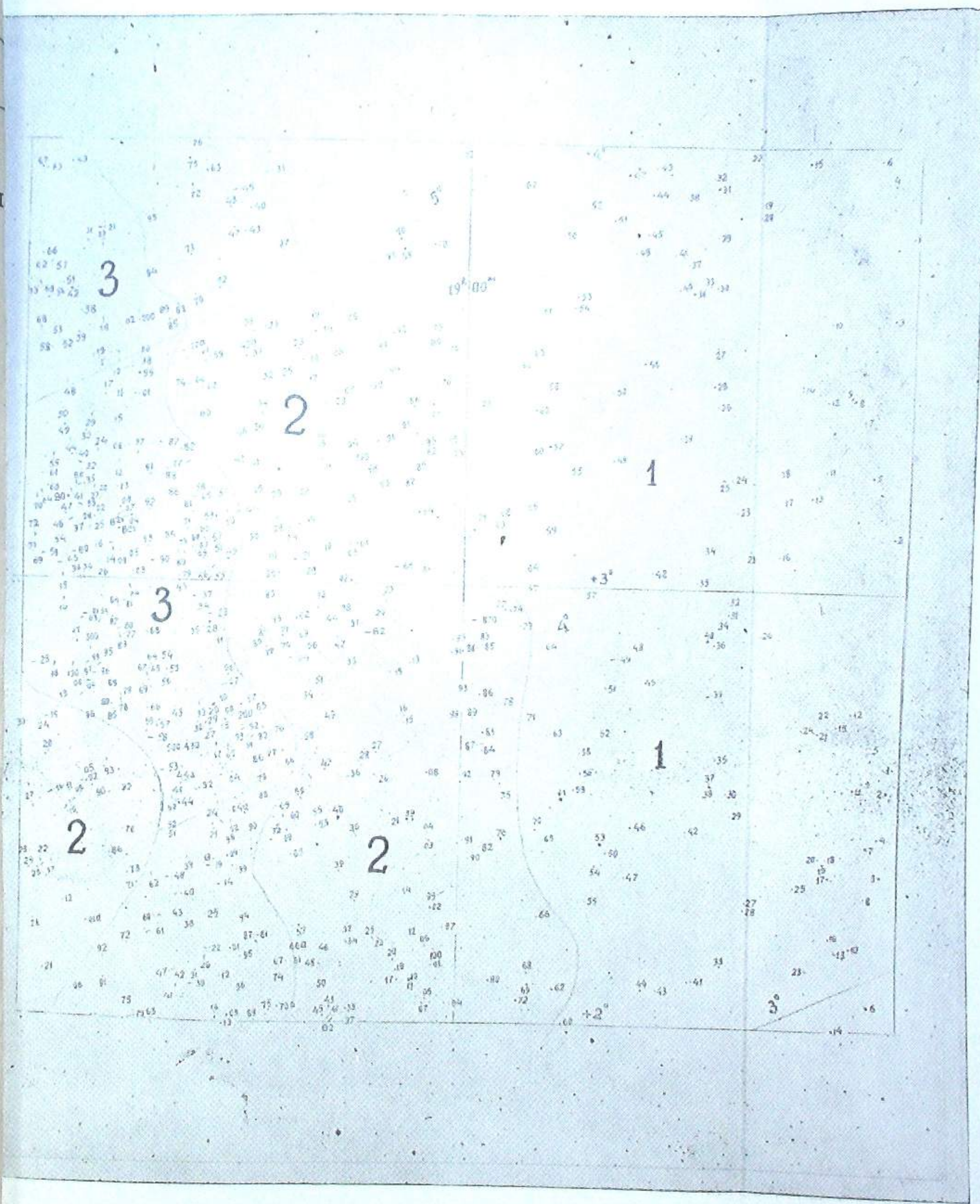
No.	Mpg	CI	Sp
201	13.74	1.63	K7
202	13.28	0.59	G5
203	10.27	0.31	F8 IV
204	11.97	0.36	F0 IV
205	12.73	0.40	F5
206			A5
207	12.02	0.49	
208	13.01	0.27	A7
209			A2 V
210	13.66	0.43	
211	13.09	0.35	B3 III
212	12.93	0.43	G3
213	11.88	0.41	A3 V
214	13.90	0.45	A5
215	10.54	1.10	G8 IV
216	14.07	0.52	B-A
217	13.21	0.52	G5
218	12.55	1.23	K5
219	13.63	0.35	
220	9.23		K0 I
221	12.91	1.32	K7
222	13.27	0.60	G5
223	13.49	0.44	B0 V
224	13.61	0.58	G
225	12.10	0.17	B3 V
226	13.52	0.55	A5
227	10.31	0.33	G0 IV
228	10.55		M5
229	11.63	0.76	B0 Ia
230	13.52	0.23	A
231	12.03	0.51	G0 III
232	13.10	1.22	K2
233	12.59	0.14	A2 V
234	12.97	0.40	A2
235	13.48	0.30	
236	11.42	0.18	A5 V
237	13.71	0.48	G5
238	12.70	0.29	A1 V
239	13.83	0.70	G8
240	10.99	0.22	F2 IV
241	13.39	0.54	F8
242	12.95	0.39	F0
243	13.37	0.74	G5
244	9.38	0.11	B2 V
245	12.51	0.49	
246	13.39	0.49	G0
247	13.08		B8
248	13.32	0.26	B8
249	12.48	0.41	F8
250	13.43	0.38	B

No.	Mpg	CI	Sp
251	12.67	0.35	B5 III
252	14.12	1.01	K2
253	12.89	0.21	B5 V
254	12.37	0.26	
255	11.11	0.18	B0 V
256	11.82	0.33	A7
257	9.38:		B5 V
258	12.83	0.37	
259	12.69	0.57	F-G
260	11.86	0.19	B5 III
261	13.75	0.71	
262	13.42	0.40	A3
263	13.38	1.10	G8
264	11.13	-0.06	B5 V
265	12.73	1.38	K7
266	12.19	0.20	B5 V
267	13.06	0.03	A0
268	10.49	0.21	F5 III
269	11.45	0.23	F8 III
270	12.70	0.65	G5
271	11.51	0.18	F0p
272	12.39	0.28	F5
273	12.29	0.40	F2
274	14.01	0.34	B-A
275	13.34	0.27	B3 V
276	12.75		F8
277			G5
278	11.29	0.09	A2:
279	11.68	0.09	A2:
280	13.74	0.58	F8
281	13.65	0.18	B8 V
282	12.37	0.23	F0 V
283	13.57		A
284	13.74	0.36	F8
285	10.81	0.06	B8 V
286	11.05	0.20	F0 V
287	13.76	2.27	K2
288	12.93	0.56	K5
289	12.73	0.92	K0
290	12.05	0.27	F8 V
291	12.52	0.26	F8
292	12.23	0.17	B8 V
293	13.17		B3
294	12.88	0.16	A0
295	12.86	0.71	G3
296	12.88	0.35	A7
297	12.08	0.24	A0
298	12.91	1.22	K2
299	13.55	0.31	F8
300	12.83	0.14	B2 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



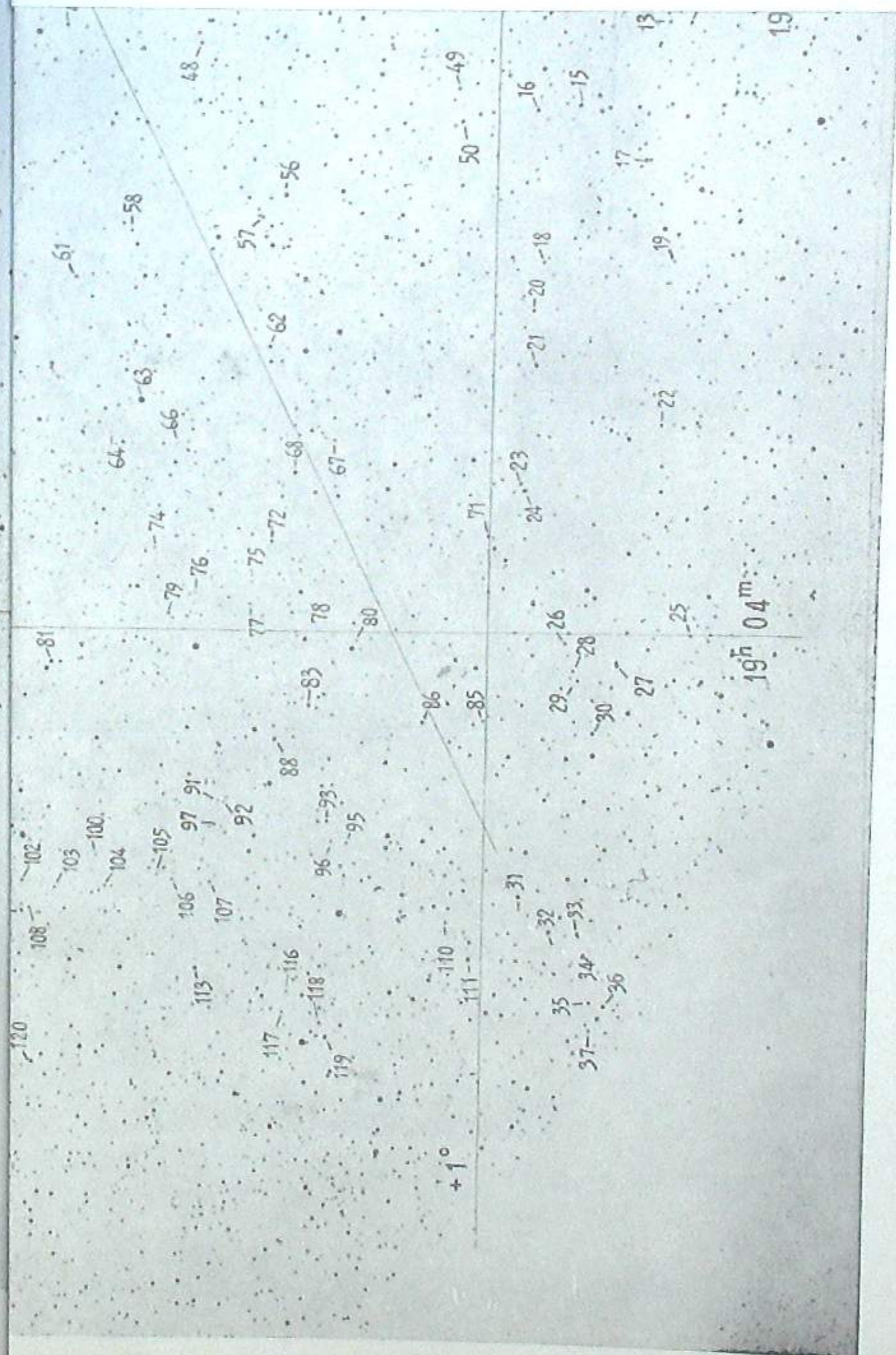
Карта I (Центр: Р.А. 1950 19^h00^m; Dec. 1950 +3^o5)

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	No.	Mpg	CI	Sp	No.	Mpg	CI	Sp	No.	Mpg	CI	Sp
101	12.06	0.23	B9 V	151	13.21	0.24	B5 V	201	12.05	0.24	B3 V	251	13.55	0.58	FO
102	10.42	1.06	G8 III	152	11.07	1.37	KO III	202	13.47	0.23	B5 V	252	13.43	0.50	B3e
103	13.94	0.93	A5	153			FO IV	203	12.98	1.67	MO	253	13.72	0.49	F5
104	13.83	0.71	G8	154	12.80	0.27	B5 V	204	11.89	1.80	K5	254	13.35	0.44	F8
105	11.78	0.49	G2 V	155	12.71	0.41	G3 V	205	12.79	0.51	BO III	255	12.64	0.26	B5 V
106	13.57	0.64	F8	156	12.08	0.37	F8 V	206	13.23	0.60	GO	256	13.26	0.49	A
107	13.97	0.60	A5	157	11.94	0.34	B9 V	207	11.91	0.28	F2	257			F2:
108	13.48	0.59	G5	158	13.46	0.29	B8	208	13.23	1.25	K	258	12.58	0.57	GO
109	13.20	0.53	B5 III	159	13.05	2.04	K7	209	14.30	1.80	K5	259	13.67	0.83	KO
110	12.03	0.23	AO V	160	12.73	0.32	A7	210	13.84	0.26	A2	260	11.68	0.36	B2 II
111	11.70	0.23	FO V	161	13.69	0.23	A1	211	12.17	0.32	F2	261	13.09	0.29	A
112	13.69	1.36	K	162	13.05	0.20	B8 V	212	13.03	0.37	F5	262	13.62	0.06	A3
113				163	13.12	2.75	K7	213	13.57	1.12	F5 I	263	13.38	1.41	K3
114	13.83	0.97	B2 I	164	13.30	0.39	BO V	214	13.66:	0.58:	F	264	13.53	1.03	K2
115	12.44	0.32	A3	165	13.09	0.78	G5	215	13.28	0.61	F5	265	13.49	0.59	B2
116			MO	166	12.57:	0.33:	B8:	216	13.54	0.54	F8	266	11.27	0.27	F5 IV
117	11.44	0.35	G2 V	167	12.22	0.32	B8	217	13.16	0.71	GO	267	10.21	0.24	F2 IV
118	12.60	0.40	A2:	168	13.76	0.69	A7:	218	12.86	0.43	GO	268			G8
119	13.97	0.85	G8:	169	12.72	0.75	BO I	219	13.52	0.46	F8	269	13.23	0.21	B3 V
120	12.07	0.54	F6 V	170	11.73	0.33	GO V	220	13.58	0.51	B3 III	270	13.55	0.44	BO
121	13.72	0.46	B	171	13.09	2.21	M2	221			K7	271	12.38	0.15	B8 V
122	13.59	0.79	G5	172	12.95	0.50	B5 III	222	13.16	1.36	K2	272	12.85	0.21	B5 V
123	12.12	0.51	GO IV	173	11.68	0.44	A7 V	223	13.20	1.40	K5	273	13.26	0.47	F8
124	13.48	0.53	G5	174	11.44		B8 V	224	11.92	0.21	B3 III				
125	13.62	0.68	G8	175	10.29	0.33	O9 II	225	13.67	0.66	G				
126	9.64	0.37:	BO II	176	12.47	0.33	F	226	13.62	0.82:	FO				
127	12.32	0.40	F8 III	177	13.72	0.26	B3 V	227	13.41	0.57	A2				
128	13.67	0.81:		178	13.58	0.62	B2	228	13.39	0.82					
129	13.49	0.43	A2	179	11.65	0.29	F2 IV	229	13.68	0.50	B2				
130	13.42	1.64	KO	180	12.81:	0.07:	A	230	11.16	0.12	B3 III				
131	13.92	0.73	BO	181	13.12	0.36	A2	231	13.90	0.45	B5	142a	13.83	0.65	B9
132	12.43	0.46	BO III	182	11.69	0.27	B8 V	232	13.00	0.34	BO V	177a	13.59	0.47	
133	10.34	0.30	F8 V	183			MO	233	13.46	0.51	F8				
134	13.05	0.62	G5	184	13.79	1.52	K3	234	13.50	1.19	K2				
135	13.30	0.65	F	185	11.09	0.12	AO V	235	11.57	0.30	B2 III				
136	13.51	0.67	G8	186	12.46	0.49	G3	236	13.62	0.72:	GO				
137	11.77	0.39	G3 V	187	13.90	0.55	G	237	12.30	0.18	B5 V				
138	11.35	0.16	FO IV	188	12.12	0.41	F2 III	238	13.28	1.68	K7				
139			K7	189	13.52	0.60	A7	239	11.25	0.51	FO V				
140	11.36	0.15	A1 IV	190	13.73	0.91	G8	240	12.49	0.16	B5 V				
141	14.00	0.56	BO	191	10.45	0.19	B8 V	241	12.99	0.55	B2				
142	13.33	0.20	B5 V	192	10.94	0.12	A5	242	9.53		G8 III				
143	11.18	0.40	A7	193	13.29	1.34	K3	243	11.72	0.43	F8 III				
144	13.33	0.42	A7	194	13.29	0.59	GO	244	13.53	0.23	B8				
145	13.36	0.66		195	12.79	0.40	F8	245	12.88	0.47	F8				
146	13.49	0.34	B8	196	13.34	0.21	B-A	246	13.60	0.35:	B2 V				
147			KO	197	13.54	0.31	B3 V	247	11.92	1.26	K3				
148	13.48	0.76	G5	198	13.00		F8 III	248	13.78	0.17	B8				
149	12.78	2.07	M2	199				249	10.91	1.19	KO III				
150	13.78	0.92	A	200	13.48	0.93		250	12.46	0.39	G2 V				

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 II	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 II	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 II	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 II	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 II	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	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 ^o 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	

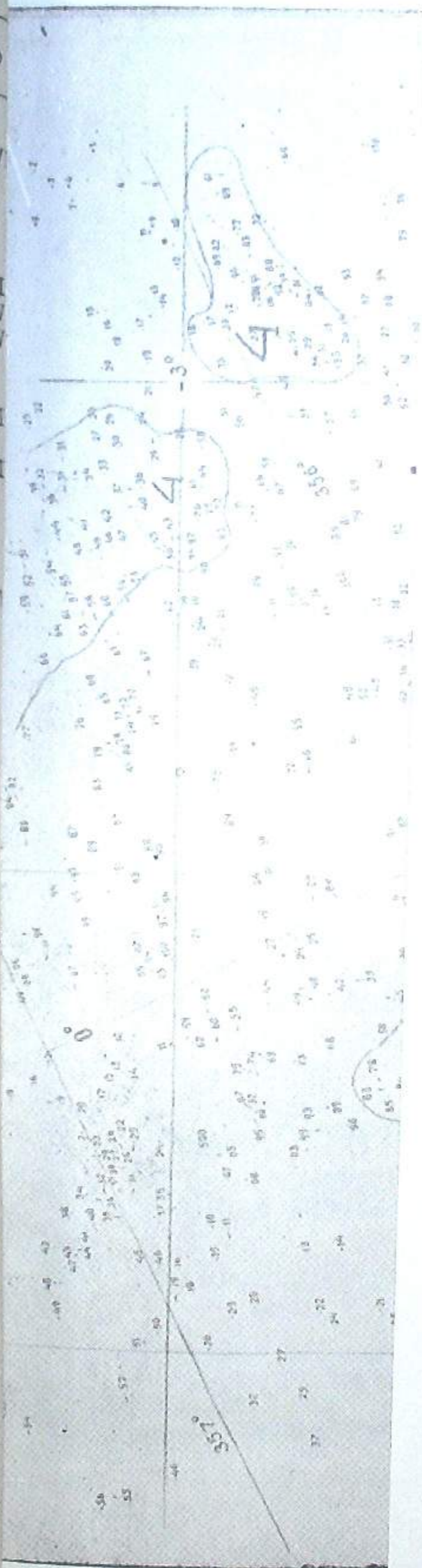
No.	R.A. 1950	Dec. 1950	Mpg	CI	Sp
851	18 ^h 39 ^m 02 ^s	-4 ^o 45.5	13.89	0.95	F8
852	02	57.5	14.02	1.01	F8
853	03	47.8			B8 V
854	03	59.0	11.10	0.37	F2 IV
855	05	07.3	14.73	1.03	A
856	09	47.7	13.74	1.04	B5
857	12	13.5	14.67	0.97	B
858	12	33.2	11.91	0.23	A2 V
859	14	21.2	13.58	1.11	F2
860	14	44.4	12.37	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
						52		55.0	13.51	0.36	B5 V
1001	18 ^h 41 ^m 29 ^s	-4 ^o 24 ['] .9	13.96	0.59	A2	53		42.5	13.76	0.52	B5 V
1002	29	36.1	13.65	0.50	A7	54		44.0	13.08	0.56	A0 III
1003	30	35.2	12.25	0.33	B3 II	55		23.2	14.31	0.30	F0 V
1004	30	52.0	11.52	0.37	F2 V	56		04.5	14.29	0.77	B5
1005	31	06.2	14.45	0.64	B8	57		12.4	13.90	0.75	F8
1006	32	40.2			F8	58		22.2	14.25	0.49	A0 V
1007	33	49.1	13.26	0.54	A0 V	59		41.7	12.38	0.29	A2 V
1008	33	07.1	13.95	0.63	A2 V	60		05.8	14.54	0.67	B0 V
1009	34	39.5	11.91	0.65	G8 II	61					
1010	36	34.8	14.34	0.87	F5	62	22	48.8	14.05	0.46	A5
						63	23	36.3	13.56	1.64	F5
1011	36	57.3	14.46	0.32	B	64	23	46.0	12.13	0.33	A0 V
1012	37	10.1	13.72	0.55	B8 II	65	24	49.6	13.35	0.76	F6
1013	37	38.7	13.63	0.86	F5	66	25	34.6	13.84	1.44	B3 I
1014	38	36.3	14.01	0.55	B5 V	67	28	48.5	13.77	0.79:	A2
1015	38	00.0	13.49	0.61	B9	68	30	29.5	14.10	1.10	F2
1016	38	58.8	13.39	0.94	A3	69	31	56.0	13.51	0.69	B0
1017	39	30.1	14.02	1.17	F8	70	33	14.3	14.34	0.66	A7
1018	41	06.2	14.21	1.13	F8	71	33	51.5	11.98	1.35	G5 I
1019	41	41.0	13.68	0.53	A7	72	33	59.0			A3
1020	41	57.5	9.63	0.10	B9 IV	73	34	05.3	14.30	0.90	F8
						74	34	45.6	14.11	1.88	K2
1021	42	08.6	14.01	0.70	B3 V	75	34	44.7	13.23	0.59	B5
1022	45	15.8	13.00	0.68	F8	76	36	19.9	14.10	0.62	F
1023	45	28.7	12.99	0.53	F2	77	36	51.1	10.94	0.41	B0 III
1024	45	48.4	13.66	0.70	F8	78	37	11.7	14.04	1.73	K0
1025	48	26.7	13.75	0.47	A7	79	37	15.2	10.44	0.14	F0 V
1026	48	45.8	14.35	0.62	A3	80	37	44.8	9.95	0.44	F0 ^p V
1027	49	22.9	11.05	0.77	G2 IV	81	37	12.0	14.71	1.08	B3
1028	51	16.2	11.60	0.96	A2 I	82	38	20.7	12.68	2.35	K5 I
1029	51	48.0	14.43	2.23	K	83	38	36.8	13.48	0.42	A0 V
1030	52	58.0	13.23	0.29	A5	84	40	26.0	14.06	0.90	G
						85	40	26.3	11.45	0.21	F8 IV
1031	52	59.0	14.81	0.40		86	40	44.7	11.31	0.30	F0 III
1032	54	39.5	9.76	0.12	F2 V	87	41	57.5			A7
1033	54	54.9	12.89:	0.20:	A2 V	88	42	12.6	15.41	1.11	B8
1034	56	09.2	11.15	0.08	A2	89	42	28.5	14.87	0.95	A2
1035	56	56.8			A0 V	90	42	31.4	14.44:	0.77:	B8
1036	57	06.4	14.67	1.46	G5	91	42	51.8	9.94	0.79	B3 I
1037	57	33.6	12.56	0.55	F2 V	92	43				G
1038	57	59.8	13.08	1.51	K2	93	43	26.5	12.87	0.38	A0 V:
1039	42 01	54.8	13.88	0.51	A2	94	43	46.2	12.24	0.28	B8 V
1040	03	55.6	12.72	0.32	A2	95	43	47.3			B5 III
						96	45	50.8			G8
1041	04	25.9	14.10	0.45	B5 V	97	45	21.1	14.22	1.65	A3
1042	05	07.1	13.23	0.81	B3 III	98	46	39.2	13.52	0.40	A0
1043	05	54.5	13.69	0.16	B8 V	99	46	14.3	14.49	0.81	A2 V
1044	05	55.7			B3 V	100	48	52.7	14.48	0.82	B8
1045	05	58.8			A2		48	31.5			B8 V
1046	07	04.9	11.24	1.68	F8 I		48	56.0			
1047	07	17.3	13.77	0.72	B3 V						
1048	09	03.0	14.07	0.87	B3 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	AO	158	37	23.7	13.87	0.56	A7
1109	54	40.2			BO	159	37	43.2	12.90	0.22	B8 VI
1110	54	46.9			FB	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	AO	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	AO 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	AO	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

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	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

КАТАЛОГ ЗВЕЗДНЫХ ВЕЛИЧИН И ПОКАЗАТЕЛЕЙ ЦВЕТА В СИСТЕМЕ U-B-V
СПЕКТРОВ И СВЕТИМОСТЕЙ ЗВЕЗД В МЛЕЧНОМ ПУТИ В СОЗВЕЗДИИ ТЕЛЬЦА
(ОБЛАСТЬ IV ПЛАНА П. П. ПАРЕНАГО)

Н. Б. Каландадзе

По плану П. П. Паренаго комплексного изучения Млечного Пути [1] в области IV в созвездии Тельца выполнены трехцветная колориметрия и двумерная спектральная классификация звезд до 12.5 звездной величины. Область находится почти точно в направлении на галактический антицентр и занимает часть неба: по прямому восхождению $5^h 20^m - 6^h 04^m$, по склонению $23^\circ - 31^\circ$.

Двухмерная спектральная классификация звезд проведена по спектральному лучению с помощью 8-градусной предобъективной призмы на 70-см мерном телескопе Абастуманской астрофизической обсерватории. Дисперсия спектра составляет 166 ангстрем на миллиметр около H-гамма. Принятые критерии для двумерной спектральной классификации сходны с критериями, работанными в Абастуманской астрофизической обсерватории [2].

Точность в определении спектральных классов один подкласс, а абсолютных величин - до одного класса светимости.

Для определения звездных величин разработана фотометрическая система близкая к системе U-B-V, причем для накопления колориметрического материала мы пользовались 36-см анаберрационной камерой Шмидта Абастуманской обсерватории.

Наша аппаратура со светофильтрами Шотта GG14, BG23, UG2, и фотопленкой Изохром дает в среднем эффективные длины волн 5580, 4140 и 3570 ангстрем соответственно.

Стандартами звездных величин служили стандартные звезды Джонсона с величинами U-B-V Северной Полярной Последовательности [3].

Фотометрические измерения выполнены с помощью объективного микрометра МФ-6. Средние ошибки определения величин составляют, соответственно: ± 0.06 , ± 0.10 , ± 0.08 звездной величины.

Для перехода от нашей системы звездных величин и показателей цвета к системе U-B-V, на основе исследования стандартных звезд Джонсона в пленке М 34 [4], выведены редуцированные формулы, применением которых

получены значения звездных величин и показателей цвета, помещенные в Каталог. Порядковые номера в Каталоге и на приложенных четырех картах области относятся для отдельных зон последовательных склонений. В Каталоге 3622 звезды.

Декабрь, 1963.

THE CATALOGUE OF U-B-V MAGNITUDES, COLOR-INDICES, SPECTRA AND LUMINOSITIES OF STARS IN THE MILKY WAY IN TAURUS (THE AREA IV OF THE P. P. PARENAGO'S PLAN)

N. B. Kalandadze

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22°						23°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
1	35769				G5 V	1		11.06			
2	220917				G0	2	243332	10.50	1.60	0.32	
3					F8	3		10.84	2.11	-0.21	
4					B9	4	243314	9.62			
5					G0	5		10.75	1.75	-0.27	
6					A2	6		11.68			
7	244279	11.34			A7	7		11.61	2.09		
8		10.99			B9	8		10.44			
9	244309	11.86			F8	9	243509	9.71	2.18	-0.44	
10					A7	10	230915	10.74	1.43	0.53	
11	244447	11.71			B9	11		10.47	1.31	0.66	
12	244448				B9	12		12.20	1.24		
13	244517				B8	13		10.63	1.91	-0.10	
14					A0	14		10.75			
15	36388				A1	15	243696				
16	244569				A3	16					
17					B9	17					
18					F0	18	220909				
19					G0 V	19	230917	10.15	1.53	0.57	
20	36523				G2	20	35744				
21		11.50	-0.33		B8 V	21					
22	245309				G8 V	22	243956	11.04	0.92	0.40	
23	245401				A3	23	35879	8.58	0.86	0.02	
24	245547				K5 III	24	244068	9.40	0.97	0.71	
25					K0 V	25		10.36	1.73		
26					A3	26		11.71	0.93	0.54	
27					F8	27					
28					A2	28	36054	7.91	1.22	0.98	
29					A3	29		10.88	1.06	0.89	
30	246032				A2	30		11.69	0.71	0.69	
31	246031				A0	31		11.49	0.63	0.23	
32	246054				G0 III	32		12.02	0.68	0.33	
33					A2	33		10.50	1.19	1.08	
34					A5	34	230924	10.47	1.40	0.60	
35	246234				F2	35	244265	9.65	0.42	0.36	
36					B9	36		12.13	0.60		
37	246298				K0 V	37		11.67	0.82	0.51	
38	37739				F6	38		10.83			
39					K2:	39		11.78	0.29	0.54	
40	246421				B5 III	40		11.19	0.78	0.76	
41					B8	41	244354				
42	246627				F6	42					
43					A5	43	244397	9.77	0.48	0.21	
44	246769				A7	44		11.61	0.67	0.58	
45	246971				K2 III	45		12.11	-0.09	0.90	
						46	244398	9.77			
						47		11.98	1.24		
						48		11.74	0.66	0.70	
						49		10.98	0.68	0.83	
						50	244480	9.38	0.63	0.19	

23°						23°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
51	230929	9.93	1.39	1.04	F5	101		11.50	0.60	0.44	A0
52					A0	102	36807	8.71	0.96	0.07	A5
53		11.68	0.68	0.48		103	245086	9.49	1.31	1.44	K0 V
54		11.90	0.44	0.39	A0	104	245085	10.00	0.79	0.40	A0
55		11.82	0.38	0.49	A5	105		10.28	0.94	1.56	F0
56	244568	10.30	0.47	0.83	A0	106		11.41	0.56	0.99	A2
57		12.38	0.86	-0.04	A0	107		10.96	1.21	0.82	G5:
58	230931	10.86	1.17	0.47	G5 V	108					A1
59	244535	9.91	1.17	0.91	A2 III	109	245112	10.32	0.47		B9 V
60		10.73	1.74			110					A5
61				0.58	A0	111					F0
62	244550	10.34	0.99	0.63	A7	112					A5
63	220937	11.30			A7	113		11.10	1.34		G8
64					B9	114		11.18	0.89	0.59	G0
65	36426	9.07	0.72	0.21	B9 V	115		11.15	1.14	0.42	A0:
66	244665	9.60			A5	116	245226	10.61	0.37	0.54	G0 IV
67					G8	117	245210	9.80	0.35	-0.28	B5 V
68	36501	8.15	0.66	2.07	K2 II	118					K0
69	244709				A5 P	119					A2
70	244745	9.80	1.17	1.03	K3 V	120	245266	9.68	0.97	0.58	A1
71	36547	8.56	0.81	-0.25	B0 III	121		10.38	1.61	1.15	G8:
72	230944			1.48	K0 V	122		10.87	0.45	0.39	A2 III
73	230945					123					G0-V
74	230943	10.32	0.98	0.48	F0	124		10.57	0.58	1.07	G0 V
75	244744	10.18	0.61	0.62	G0 V	125	245358	8.28	1.25	0.58	G8 III
76	244795	9.38	1.22	1.32	K0:	126		10.64	0.76	0.54	K0
77		11.67	0.88	0.60	F2	127	245380	8.80			B8 V
78					F0	128	245427	9.22	1.27	0.28	A5
79		12.13	0.79	-1.14	A2:	129		10.34	1.30	1.29	K0
80	230947	10.23	1.00	0.77	F2	130	245400	9.62	1.32	0.86	F2
81	244900	10.48	0.93	0.60	A5	131	245449	9.41	1.03	1.39	
82		10.81	0.99	0.74	F2	132	245399	10.17			A5
83					G-K	133		11.70			B9 V
84		11.48	1.01	0.49	A5:	134		11.67	0.46	0.81	A2
85		10.92	0.91	0.69	G0	135		11.42	0.36	0.56	A0
86		11.07	1.14	0.62	G0	136		11.91	0.21	0.63	A2
87		12.03			A1	137		11.66	0.44	0.58	F0
88		11.75			A2	138		11.56	0.51	0.32	B8 V
89				0.98	A7	139	245477	10.08	0.00	0.21	A0
90		11.57	0.08	0.18	F8	140	245501				A7
91						141	245529				A5
92		12.40		0.64	A3	142		10.40	1.40	1.00	G5 V
93	230949	10.44	1.25	1.10	K3 V	143		10.96	0.66	-0.18	B5 V
94		12.18	1.14			144	245527	9.23	0.89	0.41	G8 V
95		10.39	1.25		G8:	145		11.02	0.95	0.69	A3
96		11.65	0.50	0.56	K0:	146					G0 V
97		11.42	-1.26		K0 V	147	245545				B3 V
98					B9	148	245546				B5 V
99		11.56	1.00	0.45		149					A1
100		10.17	0.93	1.50	G8	150	230976				G0 V

23°						23°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
151		11.22	0.89	0.66	A3	201	246518	10.22			G2 V
152		11.82	0.69	0.59	A0	202	246517	10.07	0.91	1.58	K2
153	245672	9.57	0.46	-0.35	B2 V	203	37938	9.32	0.41	0.90	A0
154		10.54	0.71	0.32	B8 V	204					F6
155	37292	8.54	1.05	-0.07	F8	205	23°1016	11.70	0.22	0.82	A2
156		11.06	0.36	1.05	A0	206		10.36			A5
157	245732			0.70	A3	207	23°1018				G5
158		10.49	1.34	0.82	F8	208					F6
159		10.76	1.07	0.47	F0	209	246768				B3
160				0.49	A7	210	23°1020	11.02	0.36	0.74	G2
161	23°980	10.02	1.19	1.31	G8 V	211	246886	10.90			A2
162	37388				F5	212		11.55	0.27	0.56	A0
163	37387				K2 I	213		11.99	0.40	0.60	A2
164	245888				A0	214					A2
165					G5 V	215	246887				A5
166	245924				G8 V	216	246866				G0
167	245937	9.58	0.78	0.83	A5	217	246957				F5
168		8.90	1.27	1.92	K2 IV	218					B9
169	37476	9.11	0.31	0.49	A1	219	246996				G2
170		10.89	1.29	0.75	G2	220	247017	10.85	1.45		K0
171	245992				K3 III	221		11.01	0.55	0.74	A3
172					A7	222		9.90	1.64		M5
173					F6	223					G0
174	246053				K3 III	224					A1
175					A2	225	247044				A3
176					F2	226		11.54	0.65	0.79	F0
177		11.86	0.85	0.20	F6:	227		11.39	0.52	0.42	B5
178	246030	9.09	1.27	2.15	K5 IV	228		10.74			M0
179		10.46	0.74	0.26	B8 III	229	38234	10.18	0.81		A7
180	246111	9.85	0.62	0.79	A1	230	247128	11.19	-0.18	1.02	A7
181	246112	9.55	0.87	0.27	G2 V	231		12.01	0.47	0.25	A2
182	246147	10.53	0.74	0.88	A0	232	247107	9.34	1.72	0.86	K0
183	23°996	10.50	1.24	0.48	A1	233	247158	10.15	1.08	1.12	K0
184	246148	9.67	1.12		A0	234	247214	9.30	1.99	1.21	K0
185	246131				G2 V	235	38319	7.63	1.51	1.05	A0
186	246199				F2	236	23°1037	10.64	1.28	0.54	F2
187	246218				G8 V	237		11.36	1.26		B8
188	246233	10.21	1.19	0.65	F0	238	247353	10.54			G8
189	246256	10.13	1.08	1.37	K0	239	247384	10.79	1.08		F0
190		10.99	1.00	0.53	G0	240					A0
191					F8:	241		11.34			A5
192	246257				A0	242		11.84			A1
193	246316	8.27	1.80		G8 III	243		8.61			A7
194	246256	10.13	1.08	1.37	K0	244	247582	9.70	1.86	0.73	A5
195	37752				B9	245	247593	9.48	1.84	1.48	G8
196	246540				B9	246	38515	8.24	1.66	0.85	K2
197	246519	9.39	1.22		F0	247	247592	9.34	1.46	2.23	K7
198		10.78	1.09		A0	248	247609	9.88	1.15		K0
199		11.10	0.44		B9 V	249	247664	10.15	0.59	0.57	B8
200		10.91	0.57		A2	250	247756	9.31	0.23		B5

23°, 24°						24°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
251	247801	10.42	0.24	0.66	A0	41		11.26	0.94	0.02	
						42		11.55	0.75	0.69	F0
						43	244278	9.49	0.40	0.38	A3
						44	24°842	10.91	0.82	0.87	A3
						45	244286	10.16	0.62	0.93	F6
						46		11.20	0.69	0.79	A2
						47		11.03	0.76	0.78	F2
						48		11.86	0.42	0.48	F0
						49		12.03	0.63	0.27	A2
						50	24°845	10.96			B8 V
						51		11.04		0.90	B9 V
						52	244516	9.27	0.57	0.22	F6
						53	244549	9.12	0.54	0.49	A2
						54	244567	10.41	0.78	0.66	A3
						55	23°935	9.65	0.91	1.58	
						56		10.66	1.14	0.82	G5:
						57		11.54	0.65		B9 V
						58		10.53	1.22	1.19	
						59		11.37	0.91	0.54	
						60		11.94	0.74	0.34	B9:
						61	24°849	10.35	0.97	0.49	F2
						62		11.28	0.64	0.63	F2
						63	244698	10.12	0.43	0.67	A5 III
						64	36500	8.66	0.55	0.24	F8
						65		11.70	0.52	0.75	A2
						66	24°852	10.30	1.10	3.71	K2 V
						67	36546	6.81			B8
						68	244794	10.29	0.67	0.34	G2
						69	24°857	10.16	1.36		K5:
						70		11.94	0.69	0.20	F8:
						71		11.23	1.69		
						72	244816	10.53	0.59	-0.10	B5 V
						73		11.53	0.90	0.54	A2
						74	244850	10.07	0.55	0.08	B5 V
						75		11.58	0.50	0.77	
						76	24°861	11.03	0.50	0.15	B9 V
						77	244899	10.59	0.46	0.54	A2
						78		12.08	0.50	0.19	A2:
						79	244896	10.55	0.56	0.77	A7
						80	244897	9.49	0.92	1.76	K0
						81	244898	9.46	1.18	1.25	N
						82		10.66	1.14	1.04	G8:
						83		11.91	0.82	0.20	G-K
						84		10.99	0.59		B8
						85		11.03	0.29	0.62	A0
						86	245029	10.27	0.48	0.65	F5
						87		10.73	0.59	-0.09	B5 V
						88	245030	9.89	0.45	0.32	G2 IV
						89	36758	6.72	0.42	1.09	G8
						90		10.81	0.87		

24°						24°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
91	245052	9.09	0.35	0.29	G2 V	141	245751	10.31	0.52	0.43	A2
92		11.42	0.86	0.48	A2	142		11.95	0.61	0.33	B9
93	245084	8.30	0.97	1.07	G8 III	143	245710	9.49	0.43	0.40	G2
94	245133	9.17	0.46	0.16	B9 V	144		10.05	1.22	1.39	M8
95	245180	9.63	0.38	-0.36	B3 V	145	245818	10.72	0.56	0.32	G2
96	36910	10.34	1.26	0.27	F2	146		11.41	0.44	0.37	194
97		11.23	0.64	0.26	G5:	147		10.76	-0.16	0.87	195
98		10.98	0.64	0.49	G5 V	148		11.10	0.35	0.64	A2
99	24°876	10.12	0.54	0.49	A5	149	245847	10.02	0.37	0.50	A0
100	245225	8.92	1.08	2.00	K3 III	150	245820	9.72	0.18	0.54	A3
101	24°877	10.34	0.92		K0:	151	245846				A5
102		10.52	1.24	0.94	K0:	152					A2
103		10.35	0.53		A	153		11.43	0.62	0.46	A7
104	245290	9.47	0.34	0.52	A5	154		10.92	0.58	0.31	F6
105	37012	7.97	1.04	2.83	K5 II	155		11.19	0.50	0.56	P6
106	24°883	10.56	0.36	0.82	A7	156	24°905	11.44	0.54	0.53	P0
107					A5	157		11.36	0.33	0.72	A2
108	24°879	10.63	0.48	-0.25	B3 III	158	24°906	10.36	0.69	0.76	K0
109	245289	10.16	0.40	0.48	A5	159		11.19	0.50	0.62	G0
110		11.50	0.46	-0.13	B5 V	160		12.29	0.20		F2
111		11.50	0.58	0.73	A1	161	37466	7.00			F2
112		10.78	0.45	0.67	F2	162	245991	10.33	0.55	0.41	F0
113	245324	10.48	0.47	-0.08	B8 V	163	24°907	9.93	1.04	1.00	K3
114		10.46	0.62	0.56	A5	164		12.30	0.27	0.21	A1
115	245397	10.65	0.58	0.16	A0	165		11.26	0.28	0.71	A5
116	245396	10.11	0.28	0.49	A1	166	24°910	9.89	0.98	1.43	G8
117	24°884	10.43	0.45	0.51	G3 IV	167	246080	9.93	0.00	0.47	F2
118	24°886	10.49	1.06	1.16	G8 V	168	37539	6.97	0.92	1.17	G8
119	245357	10.34	0.46	0.52	A1	169	24°915	10.58	0.62	0.17	G2
120	245426	9.14	0.84	1.87	K3 III	170		10.21	1.04	0.37	I
121		10.89			F5	171		12.04	0.36	0.38	A2
122		10.28				172		10.89	0.59	0.37	A1
123		10.61	0.64	0.66	F0	173	246217	9.94	0.63	1.18	G8
124		10.85	0.71	1.00	G8 V	174		11.60	0.54	0.39	P2
125	245526	10.26	0.23	0.89	A0	175	37648	7.60	0.53	0.50	F6
126	245448	9.68	0.37	0.34	G2 V	176	23°1000	11.16	0.93	0.68	A0
127		11.79	0.42	0.76		177		10.67	0.43	0.70	F0
128		12.08	0.38	0.54	A0	178		10.74	0.61	1.37	G8
129		10.68			A1	179		10.97	0.60	0.53	A5
130		10.78	0.59	0.82	F0	180		11.35	0.71	0.52	A
131	245582	9.00	1.07	2.32	K3 III	181	246315	9.53	0.25	0.00	A2
132	37242	9.12	0.39	0.04	B9 III	182		11.53	0.59	0.48	F0
133	24°896	10.20	0.76	1.21	G2 IV	183		11.66	0.62	0.30	F0
134		11.24	0.73	0.40	F2	184		11.47		0.17	F0
135		11.11	0.71	0.45	G8	185	37768	7.44	0.75	1.07	F2
136		10.64	0.55	0.96	G5	186	246420	10.51	0.67	0.57	F2
137		9.75			F2	187		11.48	0.60	0.21	G8
138		9.75			F2	188	246445	10.07	1.06	0.48	F2
139	24°899	10.43	0.69	1.35		189	246494	9.93	0.60	0.82	A0
140		11.44	0.57	0.40	F8	190	246587	10.33	0.90	0.55	F6

24°						24°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
191		11.49	0.84	0.52	A2	241	38492	9.74	-0.09	-0.06	A0
192		10.87	0.74	0.59	A3	242	247541	9.89	0.31	0.29	G2 III
193	246690	8.93	1.05	0.36	B5 III	243		10.91	1.25	0.04	A2
194		10.66	0.39	0.45	B8 V	244	24°960	10.65	0.30	-0.06	B5 V
195		10.41	0.90	0.55	A7	245	38557	9.38	0.64	0.60	A0
196	37979	6.55	2.90	1.85	K5 I	246	247637	10.81	0.15	1.96	K5
197		10.40	0.61		B5	247	38584	6.58	1.76	1.72	K2 I
198		9.72	0.52	0.35	A0:	248	38605	7.16	1.66	1.76	K2 III
199	246749	9.97	1.31	0.06	A0	249	247638	9.50	0.47	0.68	G2 V
200	246822	9.90	0.42	0.21	B5 V	250		10.72	0.78	0.20	F2
201	246841	9.16	0.74	0.79	F2	251		8.48	2.77	0.47	F6
202	246864	9.24	1.09	0.74	G3 IV	252				0.45	F5
203	246865	9.56	1.02	0.65	G2 V	253		11.76	0.66	-0.19	A0
204	24°938	11.18	0.58		B8 V	254		10.50	0.88	0.68	G8 V
205		10.49	0.49	0.32	A2	255	247777	9.47	0.52		A1
206	246912	9.35	1.39	1.12	G8 V	256	247755	9.54	1.00	-0.14	K0 V
207		11.02	0.62	0.57	F5	257	38691	8.22	0.76	0.81	A2
208		11.63	0.71	0.47	A0	258		10.53	0.43		B2 V
209	38142	7.38	1.37	0.59	K0 III	259		11.02	1.84	-0.62	F2
210		10.12	1.28	1.25	G8 V	260	38751				G-K
211		10.89	1.07	0.39	F6	261		11.05			B8
212		10.66	0.48	1.04	A3	262	247897	9.91	0.68		A7
213		11.45	0.94	0.53	A0	263	247917	9.29	0.60	0.76	A5
214	247065	9.21	1.61		K7 IV	264	38808	7.31	2.12	-0.02	G8 III
215	38217	7.92	0.91	0.84	A5	265	247962	9.88	0.41	-0.08	B5
216		11.78	0.48	0.15	A0	266		10.68	1.01	-0.28	F8
217	38218	7.59	2.68	1.41	nb	267	247991	10.20	0.67	-1.16	F5
218	24°944	10.58	1.10		F0	268		10.92	0.38	0.19	A0
219		11.52	0.63	0.36	A2	269	248052	10.26	0.63	-0.16	B8
220		10.68			A3	270	248581	8.87	0.99	0.72	G8 V
221				0.58	F2 III	271	248695	10.05	0.89	1.24	G8 V
222		10.28	1.26	0.98	G8 V	272		11.31	1.02	0.16	F0
223	247157	9.95	0.31	1.02	A7	273		11.38	0.73	0.18	G0
224	247156	9.44	1.25	1.01	K0 V	274	249042	10.19	1.25	1.20	K0 IV
225					F6	275	249073	9.44	1.83	0.12	G5 III
226	247155	8.99	0.45	0.66	B3 V	276					A1
227	247191	9.25	0.98	0.57	G2 IV	277		10.82	-0.16	0.71	F6
228	38334	7.74	0.66	1.22	A7	278					B9:
229		11.04	0.32	0.72	F2	279	249201	9.93	1.53	-0.49	A3
230	247333	10.07	0.09	0.85	A5	280		10.54	0.66	-0.36	B5 V
231		11.67	0.27	0.71	A2	281	249422	9.91	0.94	-0.35	A0:
232		12.08	0.20	0.42	A1	282	249462	9.55			B8 V
233		11.52	0.34	0.30	B9 V	283	249499	9.09	1.70		K5
234	247403	10.70	0.23	0.08	F0	284	24°1041	11.21	0.32	-0.34	G2
235	247402	9.45	1.32	1.82	K2 IV	285	40241				G5
236	247422	10.52	0.17	0.24	A0	286	249851				A0
237		11.35		-0.08	B5 V	287					G0
238		12.13	0.16	0.40	A2	288					F2
239		11.59			A0	289	250094				G5 V
240		10.69	0.46	0.69	F6	290					F6

24°, 25°					
No.	HD, HDE, BD	V	B-V	U-B	Sp
291	250423				A0
292					A2
293					A5
1		11.20	1.02	0.49	B8
2	25°824	10.83	1.09	0.96	K7 IV
3	243270	10.51	0.85	0.48	B9 V
4		11.53	0.92	0.21	A0
5	25°826	9.94	0.72	0.79	A0
6	35480	8.27	0.55	-0.04	F8
7	243579	10.32	0.77	0.26	B8 V
8	243647	9.12	0.68	-0.21	B3 III
9	243668	9.18	0.67	0.15	B8 III
10		10.64	0.87	1.18	A3
11	243762	10.03	1.35		K5:
12	243761	10.22	1.09	1.28	G5 V
13	243779	10.35	0.53	0.31	G5 V
14	243849	10.73	0.55	0.44	G2 V
15		11.53	0.90	0.28	G0:
16	25°836	10.43	0.66	0.60	F2
17	243993	9.99	0.57	0.03	F8
18		11.18	0.69	0.18	B5 V
19	25°837	11.72	0.57		A0
20	35943				B-A
21	25°840	10.61	0.68	0.48	G8 V
22		11.33	0.60	0.78	A0
23	244238	9.83	0.45	0.06	G2 V
24	36112	8.11	0.42	0.24	A5
25	244252	9.05	0.58	0.26	A5
26		11.14	1.17	0.54	F5
27	244340	10.82	0.71	0.19	B5 V
28	244339	11.52	1.10	0.00	
29	244396	9.92	0.70	0.22	F6
30	244465	10.26	0.82	0.78	G0 V
31	244492	9.98	0.60	1.29	G0
32		11.92	1.08		G8 V
33	244566	10.18	0.43	0.24	G5 V
34		10.38			B9
35		10.32			B9
36	36469	7.28	1.21	1.70	K0 III
37	244664	9.51	0.73	0.41	A1
38		10.98	0.56	0.03	B8 V
39	25°853	10.68	1.07	0.66	K
40	244727	10.49	0.47	0.34	G8 V

25°					
No.	HD, HDE, BD	V	B-V	U-B	Sp
91	245845	10.42	0.39	0.37	A7
92		10.26	0.28	0.65	F6
93	245844	9.95	0.27	0.17	B9 IV
94	245887	10.34	0.24	-0.27	B5 V
95		10.85	0.16	0.87	
96	245907				F8
97		11.31	0.25	0.58	A0
98		10.71	0.64	0.10	F6
99	245923	8.44	1.11	2.28	K5 III
00	245952	9.69	0.41	0.31	G2 V
01	37438				B
02	245975	9.83	0.46	1.05	G8 V
03	246052	9.99	0.06	0.61	A7
04	37520	9.03	0.17	0.26	B8 V
05	246051	10.43	0.11	0.61	A3
06		11.91	0.45	0.32	B9 V
07	246079	9.65	0.36	-0.33	B5 V
08	246099	9.31	0.49	-0.02	F0
09		11.37	0.71	0.53	B8 V
10	37602	8.45	1.08	0.76	G5 III
11	246165	9.70	0.61	0.54	G5 V
12	246166	10.50	0.36	0.26	G0 V
13	246198	10.48	0.23	-0.16	B8 V
14	246216	10.85	-0.40	1.03	A2
15		11.09	0.66	0.34	A2
16	246255	10.38	0.37	-0.03	B9 V
17		11.18	0.52	0.41	A0
18	25°916	10.11	0.55	0.24	F6
19		10.84	0.42	0.21	B8 V
20		11.66	0.44	0.02	A0
21		11.19	0.69	0.22	B9 V
22	37709	8.33	0.33	-0.36	B3 III
23	246314	9.39	0.41	0.12	A2
24		11.30	0.71	0.08	A0
25	246383	9.97	0.33	0.00	B9 V
26	246384	10.27	0.24	-0.39	B5 V
27	246385	9.75	0.52	0.06	G0 III
28		11.18	0.21	-0.34	B5 V
29	246419	9.94	0.87	1.10	G8 IV
30		10.96	0.59	0.27	A5:
131	246442	9.67	0.00	-0.33	B3 V
132		11.03	-0.07	-0.08	A2
133		10.63	0.28	-0.25	B5 V
134	246467	10.57	0.54	0.05	F0
135	246466	10.46	0.29	0.35	A2
136		11.49	0.31	0.54	A2
137		11.42	0.31	0.44	A3
138		11.60	0.09	0.14	A0 III
139		11.15	0.47	0.20	G0 V
140	246586	11.22	0.79	-0.77	A3
141	246538	10.02	0.33	-0.21	B3 V
142	24°945	10.87	0.62	0.42	F5
143	246585	10.08	0.48	0.01	F2
144	246584	9.30	0.31	-0.54	B3 III
145	37924	8.10	0.65	0.01	A2
146	246648	9.15	0.99	1.42	K0 III
147		12.24	0.26	0.33	A2
148	246688	10.74	0.57	0.14	A3
149	246665	9.97	0.88	0.73	G8 V
150	246713	10.20	0.50	0.21	F2
151	37998	8.15	0.48	-0.11	B8 I
152		11.26	0.37	0.21	B9 V
153	38010	6.86			
154	24°934	8.72	0.47	-0.23	B9
155	246786	10.50	0.52	0.40	A2
156		11.11	0.33	0.87	A2
157	246810	8.75	1.30	1.97	K5 IV
158		11.67	0.35	0.13	B9 V
159	246840	8.68	1.24	1.81	K5 III
160	246839	10.51	-0.06	0.41	F2
161	246838	9.80	0.15	-0.18	B8 V
162		11.18	0.43	-0.02	B9 V
163		10.24	0.43	0.31	A5
164	246884	9.71	0.31	0.07	B8 V
165		10.92	0.94	0.23	A2
166	246882	9.94	0.62	0.33	A7
167		11.19	0.84	0.22	F5
168	246911	11.03	0.57	0.24	A5
169		11.18	0.38	0.41	A0
170	25°950			2.42	K7 III
171	25°951	10.37	1.07	1.06	G8 V
172	246955	9.48	0.22	-0.12	B5 V
173		10.75	0.52	0.33	A7
174	38162	8.14	0.36	0.40	A3
175		11.32	-0.20	0.73	A0
176		10.61	0.48	0.62	F5
177	246993	10.49	0.35	0.45	B9 V
178		11.10	0.38	0.24	A0
179	247084	9.93	0.35	0.17	F2
180	247153	10.87	0.42	0.45	A0
181	38260	8.42	0.59	0.30	F2
182	247154				A0
183	38261				K0 III
184	247177	10.61	0.27	0.19	B9 V
185		10.97	0.55	0.73	A0
186		11.02	0.49	0.62	F2
187		11.95	0.01	0.34	A0
188	38306	10.12			B0-B3
189	247236	9.64	0.58	0.30	A5
190	247287	10.31	0.52	0.61	F0

25°					25°					25°					25°								
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
191		9.33	-0.42	1.75	A5	241		12.00	0.65	0.27		291	248693	10.32			B	341		11.64	0.41	0.48	A0
192	247289	11.52	-0.11	0.80	G8 IV	242		11.47	0.96	0.37		292				FO	342		10.53	0.50	0.38		
193		8.14	1.28	1.53	K5	243	248153	10.59	0.23	-0.34	B5	293		10.93	0.77	0.10	K2 V	343		10.83	0.66	-0.35	B9
194	38360	10.07	0.56	0.59		244	25°1002	10.58	0.89	-0.28	FO	294		11.47	0.31	-0.10	B5:	344	249341				K2
195	247309	9.80	0.32	1.01	A5	245		10.44			K2:	295	248753	8.25	0.35	-0.48	BO	345					A2
196		10.42	0.36	0.52	G5 V	246	248188	12.08	0.43	0.27	A2	296	39416	7.27	0.98	1.17	G5 III	346		10.71	0.44	0.40	F5
197	247332	9.29	0.18	-0.76	O5	247		11.02	0.86	0.03	GO	297	39435	8.41	0.13	-0.13	B5 III	347		10.91	1.05	-0.20	GO
198	247331	11.10	0.52	0.19	F2	248	39047	9.00	0.47	0.20	P6	298		10.56	0.61	0.44	G5 V	348	25°1040				
199		8.28	1.33	2.28	K7 I	249	25°1004	11.00	0.61	-0.02	GO	299	248790				B8	349	249387	10.09	0.32	0.40	F5
200	247383	10.38	1.16	0.98	G8 III	250		12.25	0.47	0.27	A0:	300	248855	10.04	0.57	0.08	A3	350	249386				F8
201	247382	10.05	0.49	0.65	F8 III	251		12.10	0.44	0.56	A7	301	39492	8.53	-0.23	1.12	A7	351	249404	9.86			G8 V
202	247421	8.06	0.62	0.33	A5	252		12.07	0.84	0.17		302		10.96	0.11	0.53	A2:	352		11.30	0.26	0.26	A0
203	38464	10.40	0.35	-0.25	B5	253		11.49			A0	303		11.10	0.73	0.56	F5	353		10.65	0.44	0.54	GO V
204	247501	8.87	0.44	-0.06	B5 III	254		10.94	0.74	0.15	GO	304		11.22	0.61	0.71	A2:	354		10.56	1.08		
205	247502	10.29	0.91	-0.05	P6	255		11.84			P6	305		10.23	2.79		A7:	355	249441	10.29	0.25	-0.03	B9 V
206		10.35	0.52	0.54	K2 IV	256		10.16			B9	306		10.54	0.28	-0.01	F2	356		10.78	0.29	0.20	F2
207	247580	6.59	3.98		K2 III	257		11.04	0.60	0.06	A2	307		11.04	0.60	0.06	A2	357		11.92	0.08	0.25	A0
208	38524	9.60	0.38	0.30	B9 V	258		10.80	0.39	0.24	F5	308		10.94	0.66	0.60	K0 V	358	249461	9.07	1.27	1.01	K0 V
209	247579	10.28	0.91	0.45	K2	259	25°1006	10.18	0.34	1.30	G8	309		10.95	0.84	0.72	G5:	359		10.32	0.41	0.25	F8
210		11.09	0.56	0.04	A2	260		11.32			A	310					A5:	360		11.17	0.97	0.54	G2::
211	247608	10.37	0.60	-0.12	A7	261		11.23			F5:	311		9.85	0.14	0.96	A3	361		11.50			FO
212	25°981	10.20	0.54	0.41	F2	262		11.00	1.19		G2 V	312	249021	9.71	0.68	0.50	FO	362		10.43	0.50	0.65	G3 V
213		11.00	0.47	0.70	P8	263	248391	10.10	0.60	0.37	P8	313	249041	10.07	0.87	0.98	G-K	363		11.43	0.38	0.39	G2
214	247680	11.18	0.49	0.65	A3	264		10.49	0.63	0.30	P8	314	25°1026	11.04	0.15	0.34	P8	364	249528	9.70	0.29	0.12	B9 III
215	247681	9.84	0.49	1.23	F8	265		11.74	0.20	0.48	A2	315		11.77	0.36	0.34	A7	365		10.44			G2 IV
216		10.01	0.54	-0.02	F2	266	248429	9.38	0.71	0.37	G5	316					B9	366		11.52	0.86	-0.05	A2
217	247699	12.36	-1.80	0.68	A0	267	248453	9.74	0.84	1.44	G8	317		11.76	0.67	0.20	A3	367	25°1046				G5 V
218	247698	10.01	0.34	0.16	F8	268	248452	10.05	0.18	0.43	P6	318		8.94	0.84	1.42	G8 III	368	25°1047				O5-06
219		11.74	1.02		A0:	269		11.07	0.78	0.01	A3	319	249106	11.70	0.59	0.47	A2	369		10.33	1.05	0.00	A3
220		10.01	0.56	-0.49	B1 V	270		11.15	0.65	0.64	K0	320		10.45	0.36	0.03	B8-A0-	370		10.54	0.64	0.10	A5
221	247737	10.57	0.55	-0.14	GO	271		11.64	0.49	0.13	F8	321	249142	10.45	0.36	0.03	A0:	371	249589	10.13	0.26	-0.14	B8 V
222	247754	11.10	0.67	-0.09	A2:	272		11.43	0.92	0.18	P8	322		9.87	0.59	1.07	G8 III	372	249590	8.52	1.12		B5 III
223		10.08	0.04		B8	273		11.60	0.64	0.20	F5	323	249183	9.73	0.46	-0.18	B5 V	373		11.46	0.71	0.13	A0
224		10.54	0.80	1.15	P5	274		11.29	0.50	0.54	FO	324	249182	11.62	0.02	0.39	A0	374		11.09	0.76	0.02	G5 V
225	247838	6.92	1.54	1.52	K3 II	275	248530	9.71	0.78	-0.01	F2	325	249220	9.54	1.28	1.29	G8 IV	375	249613	9.12	0.94	0.86	K0 IV
226		12.32	0.94		F8:	276		11.29	0.50	0.54	FO	326		9.72	0.22	0.09	B8 V:	376		10.92	1.29		B3 V
227	38750	11.40	0.38	0.02	A2	277	248561	9.68	0.80	1.09	G8	327	249219	10.56	0.75	0.07	B3 III	377		11.61	0.52	0.54	A
228		11.74	1.02		A0:	278	39284	8.87	0.31	0.30	A2	328					A2	378	40144	7.57	0.82	1.37	K0 V
229		9.58			B8	279		11.50	0.33	0.87	A0	329		11.38	0.49	0.40	F6	379	25°1054	9.91	0.98		A2
230		10.32	0.15	0.05	A0	280		11.26	0.10	0.47	GO	330		10.87	0.30	0.61	F2	380		11.09			F2:
231	247916	9.64	0.30	1.37	A3	281	248581	12.12	0.22	0.27	A0	331	39847				A1	381		10.33	0.75	1.42	K0 V
232	247939	11.38	0.46	0.09	A0	282		11.42	0.13	0.26	A0-	332		11.44	0.17	0.32	A0	382		10.62	1.12	-0.22	A2
233	247961	9.31	1.06	0.42	K0	283		9.58	0.28	-0.08	B3	333	25°1035	10.41	0.67	1.24	G5 V	383	249729	8.46	1.41	1.40	K2 IV
234		9.74	0.49	0.05	A5	284	248636	10.35	0.14	-0.09	B8	334		11.41	-0.17	1.26	G5:	384	25°1056	10.35	1.86		F2
235	248051	11.09	0.47	0.27	A5	285	248669	11.52	-0.06	0.24		335	25°1037	10.73	0.41	-0.16	B3 V	385		10.83	0.47	0.22	A0
236	248071	10.52	0.32	-0.05	B8 V	286		11.80	-0.11	0.75		336		11.05	1.16	0.36	A1	386		11.28	1.11	-0.18	K5:
237		9.42	1.45	0.69	K2	287		9.20	1.16	2.14	K3	337	249321	8.56	0.77	1.38	G8 III	387	249769	8.61	1.63	2.17	K7 III
238		10.11			A7	288	248694	10.32	0.28	0.11	A2	338		10.72	0.17	0.59	F5	388					A1
239	248109					289						339							389				B8:
240	247775					290						340							390				

25°						25°						25°, 26°																			
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp														
391	25°1059	11.61	0.52	0.54	A	441	25°1081					541	251617																		
392		10.03	1.00	0.89	G8 V	442		250407						542					B8												
393					A7	443								543						B8											
394					-0.78	A0		444						544	41726					B5											
395		249870	9.78	1.40	1.48	F2		445													P5										
396		25°1061	11.33	0.92	-0.17	K0 V		446	250772																						
397			10.54	0.93	0.46	F8		447																							
398						A5		448																							
399						F8		449	250497																						
400						A2		450	250496																						
401	249935	10.28	0.48	0.03	B9 V	451																									
402								B9 V	452																						
403								K0 V	453																						
404								0.21	K7 V	454																					
405									B0 V	455																					
406									G0	456																					
407						12.71	0.26	-0.18	B8 V	457																					
408					25°1066				A5	458																					
409					250093	11.22	0.90	0.10	B9	459	250573																				
410									G0:	460																					
411	25°1068	8.45	0.68	0.08	A0	461	250641	12.05	11.41	0.15	A2	461	26°814	10.26	1.23	1.01	K5:														
412												B3 III						462													
413												G2:						463													
414					40510							F2						464													
415						11.35					0.53	-0.26						B8 V	465												
416																		F8	466												
417					250154													A0	467												
418																		F0	468												
419					25°1072													G8:	469	250662											
420					250153	10.17					0.93	1.08						G8 V	470	40895											
421	25°1074	10.77	1.11	0.66	A7	471	25°1090																								
422								G8	472																						
423								0.42	G8:	473																					
424									A7	474																					
425									M	475	250713																				
426									G8 V	476																					
427					250263	9.10	1.19		MO III	477	250738																				
428									F8	478																					
429									A2	479	250755																				
430					250287				G8 V	480																					
431	25°1076	10.92	1.22	0.20	F0	481	250896																								
432								A0	482																						
433									G5	483																					
434					25°1078				B5	484																					
435					25°1077				B2 V	485																					
436						11.05	0.50	-0.28	B3 V	486	26°1047																				
437					40695				F8	487																					
438									A3	488																					
439									G0	489																					
440									A2	490																					

26°						26°						26°											
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp	
41		11.57	1.11	0.35	G2:	91		11.30	0.26	0.15							191		11.48	0.36	0.15	A0	
42		11.77	0.90	0.37	A2	92		10.47	0.37	0.21	141		10.61	0.65	0.21	F2	192	246766	8.98	0.14	-0.70	B3 V	
43	243992	10.76	0.78	0.26	B8 V	93		10.51	0.52	0.34	142	245871	9.82	0.92	1.83	G8 IV	193		11.14	0.43	0.88	A2	
44	244049	10.14	0.71	0.10	G5 V	94	245082	10.38	0.29	0.06	143	245906	10.15	0.40	0.33	B9 V	194		11.54	0.20	-0.12	B9 V	
45		11.79	0.89	0.14	B5 V	95		10.66	0.91	0.44	144	245905	10.45	0.54	0.00	F2	195		11.22	0.52	0.23	F0	
46	35998	8.94	0.53	0.54	A2	96	245131	9.82	0.24	-0.44	145	245922	9.96	0.37	0.07	A3	196	246821	8.57	1.05	0.66	A7	
47	244264	9.65	0.92	1.78	G8	97		11.48	0.59	0.31	146		11.79	0.42	0.07	B8 V	197	246809	9.84	0.72	0.22	G2 V	
48		11.71	1.02	0.37	A0	98		11.60	0.34	0.30	147	245990	10.46	0.45	0.15	A2	198	246836	9.35	0.66	-0.11	F2	
49	36174	8.85	0.80	0.55	F2	99		11.95	0.33	0.22	148		10.10	0.48	0.03	G5:	199	246910	9.57	1.04	1.30	G8 III	
50	244395	9.38	1.07	2.34	K3 IV	100	245194	10.42	0.52	0.33	149	245989	12.07	0.25	0.50	A5	200	246879	9.20	0.41	-0.23	F2	
											150		11.27	0.50	-0.03	A0							
51	244426	10.72	0.34	-0.16	B8 V	101	36893	8.21	0.35	-1.08	151	245974	10.45	1.03	1.02	A2	201	246933	10.56	0.03	0.48	A3	
52	244464	10.38	0.64	0.15	A1	102	245209	9.76	0.20	-0.27	152	246098	10.66	0.59	0.02	A7	202	246934	9.33	1.20	1.78	K7 V	
53	36307	7.65	0.67	2.21	K3 II	103	245247	8.95	0.62	0.45	153	246110	10.15	0.42	-0.08	A2	203		10.70	0.57	0.42	F0	
54		12.47	0.44	0.02	A1	104	245265	10.02	0.82	0.91	154		10.60	0.77	0.09	A7	204		11.19	0.18	0.26	F0	
55		12.26	0.84	0.00	A0	105		10.77	0.47	0.31	155	246128	8.91	0.50	0.26	G2	205		11.29	0.75	0.42	A2	
56	36374	6.93			B8-B9	106		10.89	0.33	0.27	156	246146	10.57	0.61	0.20	F8	206	246953	9.94	0.46	0.12	A2	
57	244600	10.60	0.67	0.38	A7	107		11.34	0.58	0.27	157	246197	8.77	0.71	0.14	F6	207	38161	7.23	0.36	-0.23	B8 III	
58		11.85	0.73	0.06	A0	108	245355	11.01	0.23	0.13	158		10.75	0.84	0.04	A2	208		10.87	0.64	0.06		
59	244583	9.87	0.56	0.12	F6	109	245356	10.37	0.33	0.62	159					B9 V	209	247082	9.96	0.43	-0.02	F0	
60	244599	9.08	0.36	0.10	F5	110		10.58	0.39	0.22	160	37696	7.83	0.55	-1.00	B2	210	247106	9.41	0.98	1.71	K0 IV	
61		10.82	1.03	-0.05	A5	111	37098				161		10.43	0.48	0.06	F0	211	247127	9.21	0.52	0.09	A0	
62	244610	9.51	0.40	0.74	O6	112	245425	10.33	0.08	0.00	162	246312	9.02	0.81	0.15	G5 III	212	247176	9.50	0.29	-0.32	B3 IV	
63	36441	8.27	0.19	-1.10	O6	113		10.96	0.52	0.06	163	246369	8.16	1.52	2.02	K5 V	213	247213	9.23	0.18	-0.02	B9 V	
64		10.73	0.34	0.62	F8	114	245447	9.28	0.70	0.98	164		11.25	0.57	0.06	F5	214	247261	9.77	0.71	0.48	G2 IV	
65	244697	9.51			A2	115		10.12	0.36	0.25	165	246370	8.83	0.97	0.61	G2 III	215	247308	9.42	0.36	-0.05	B8 V	
66		11.68	0.61	0.26	A0	116		10.79	0.48	0.35	166	37751	8.40	0.30	-0.11	B5 V	216	247307	10.50	0.29	0.82	F8	
67	25°854	10.98	0.37	-0.08	A0	117	245499	9.21	1.14	2.43	167		11.39	0.38	0.20	A0	217	26°949	11.11			A2	
68		11.25	0.72	0.08	B8 III	118	245500	9.70	0.20	-0.08	168		11.40	0.72	0.07	F0	218		11.02	0.12	0.06	B9 V	
69		11.56	0.43	0.30	A0	119	245498	9.84	0.91	1.21	169	246440	8.98	0.64	0.14	G2 V	219	247420	9.37	0.86	0.67	G5 V	
70	244758	10.67	0.52	-0.21	A2	120	37170	7.77	0.38	0.23	170		10.70	0.27	-0.19	G5 IV	220	247456	10.13	0.26	0.04	B9 V	
71	244759	8.94	0.92	0.77	K0 III	121	245524	9.64			171	37820	8.03	1.25	0.63	G5 III	221	26°952	10.19	1.08	1.10	K0 V	
72	244780	9.20	0.53	-0.16	B8 III	122	245561	9.82	1.00	1.09	172	246537	9.53	0.31	-0.23	B8 IV	222	247525	10.55	0.41	-0.40	B3 V	
73	244781	9.84	0.24	-0.16	B8 V	123		11.28	0.33	0.20	173	246564	9.25	0.90	2.27	M5 V	223	247559	8.26	1.10	0.54	G8 V	
74		11.69	0.47	0.05	A0	124		11.27	0.57	0.40	174		10.34	0.52	0.29	A0	224	247578	10.37	0.30	-0.03	B9 V	
75	244813	9.33	1.24	1.97	K7 IV	125	245639	10.24	0.20	0.15	175	246562	9.49	0.31	0.34	A3	225		11.65	0.60	0.12	A0	
76		11.05	0.56	0.00	B8 V	126	37241	8.71	0.50	0.00	176	246605	10.03	0.76	0.65	F8	226	247636	9.58	1.11	0.89	G8 IV	
77	36626	7.66	0.65	-0.52	F0	127		11.79	0.49	0.49	177	246625	10.07	0.34	0.20	B8 V	227	247662	10.03	0.74	0.04	F0 III	
78	244848	9.60	0.62	-0.04	G5 V	128		11.16	0.38	0.26	178		10.61	0.40	0.02	B9 V	228		11.74	0.47	0.28	A2	
79		10.56	0.33	-0.30	B9 V	129	245671	10.01	0.39	0.31	179		11.49	0.28	0.37	A0	229		10.94	0.45	0.28	A0	
80		11.44	0.47	0.58	A2	130		12.01	0.40	0.29	180	26°915	10.37	0.60	0.04	F8	230	247696	9.05	0.50	0.10	A5	
81		11.08	0.45	0.08	B9 V	131	245689	9.72	0.36	0.34	181		10.95	0.21	0.12	B9 V	231	247697	9.22	1.24	0.96	K7 V	
82		10.85	0.47	0.34	F0	132		10.78	0.65	0.12	182	246664	9.74	0.34	-0.06	B8 IV	232		10.77	-0.46	1.03	G0 V	
83	36724	7.42	0.54	-0.21	G0	133		9.84			183	246687	10.25	0.35	-0.16	B8 V	233		11.01	1.04	-0.14	A2	
84	244984	9.59	1.22	0.72	K7 V	134	245731	9.45	0.21	0.70	184	246712	8.91	1.03	0.76	G8 V	234	247718	10.42	0.39	-0.35	B5 V	
85		10.35	0.37	0.48	G0	135		11.34	0.82	0.13	185	37978	8.28	0.61	0.20	F2	235		11.61	0.42	0.43	A5	
86		10.87	0.54	-0.42	B3 V	136				-0.40	186	246711	8.96	0.41	0.18	B8 III	236	38690	7.65	0.66	0.52	B9 V	
87	36739	8.81	0.50	-0.03	F0	137	245770	9.26	0.43	-0.38	187	246747	9.39	1.07	1.30	K2 III	237	247775	10.04	0.32	0.46	A5	
88	26°859	10.38	0.22	-0.32	B8 III	138	37329	6.47	0.90	0.64	188	246745	10.66	0.23	0.40	B3 V	238		11.40	0.60	0.13	G0	
89		10.60	0.90	0.71	G0	139	245816				189	246746	9.43	0.41	-0.08	B8 V	239	247774	10.31	0.18	-0.16	B8 V	
90	245051	10.03	0.37	0.09	B9 V	140		10.13	0.35	0.24	190	246765	9.67	0.99	1.19	G8 III	240	247837	10.42	0.55	0.02	A3	

26°						26°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
241		11.01	0.43	-0.61	B2 V	291		9.98			B3
242		10.90	0.88	0.02	A7	292	248390	10.04	0.38	-0.15	B5
243		11.26			A7	293		10.76	0.93	0.42	A7
244		11.91	0.65	0.31	F0	294		10.43			B8
245	247896	9.80	0.58	0.01	A2	295		10.83	0.42	-0.24	A0
246		10.76	0.70	0.23	G5 V	296		10.25	0.42	0.27	A5
247	247915	9.58	0.48	-0.08	A7	297		10.70	0.77	0.07	G5
248		11.14	1.09	-0.17	A2	298		10.81	1.19	0.93	K
249		11.84	0.39	0.01	B9 V	299		11.46	0.52	0.72	A7
250	247960	9.45	0.61	-0.02	F2	300		11.30	1.16		
251		10.64	1.11	0.99	G2	301		10.91	0.45	0.06	B8
252	247959	10.35	0.46	-0.31	A0	302		10.75	0.71	0.25	A5
253		11.79	0.94	-0.04	A3	303		10.83	0.38	-0.30	B8
254		12.52	0.20	-0.18	A0	304	248529	8.79	1.13	2.18	K3
255		11.01	0.96	1.02	G5 V	305		11.64	0.34	0.36	A3
256				0.18	F0	306				1.00	A0
257		10.52	0.39	-0.18	B8 V	307		10.97	1.18		A0
258	248088	10.25	0.65	-0.11	F8	308	26°982	10.20	0.93	0.89	G8
259		10.11	0.95	0.10	A3	309	26°983	10.47	0.54	-0.03	F2
260	248087	8.49	0.89	-0.13	G2 III	310	248580	9.95	0.43	-0.10	A0
261		11.79	0.80	0.34	A2	311		10.67	0.46	-0.29	B5
262		10.46	1.20	0.33	G8 V	312	39340	7.97	0.31	-0.48	B2
263		11.38	0.33	-0.13	B9 V	313	248668	9.21	0.57	0.00	A2
264	248108	9.48	0.63	0.13	F5	314	248667	10.30	0.27	-0.15	B8
265		10.39	0.61	-0.04	A0	315		10.73	0.41	-0.35	B5
266		11.61	0.94	-0.09	G0	316		12.18	0.36	0.18	A0
267		11.01	0.66	-0.36	A0	317	26°988	10.80	0.39	0.08	A0
268		10.08	1.20	0.89		318		10.84	0.61	-0.02	A7
269	26°973	10.22	0.91	1.02	A3	319		11.13	0.42	0.60	G0
270		11.58	0.44	0.27	B9 V	320		10.94	0.56	0.62	A3
271		11.17	0.23	0.35	A0	321	248770	9.96	0.26	-0.29	B5
272	248152	9.91	0.66	-0.04	F5	322		11.98	0.24	0.56	A2
273		10.95	0.79	1.04		323	248813	8.84	0.90	1.06	K0
274		11.07	0.77	0.97		324	39478	8.13	0.40	-0.72	B0
275		10.84			G0	325	248837	9.08	0.39	0.57	A5
276		10.34	0.67	0.44	F5	326	25°1025	10.35	0.88	1.13	G5
277		10.73	1.42	-0.19	F6	327	248878	9.66	0.29	0.20	F2
278		10.63	0.27	-0.08	B8 V	328		11.39	0.82	0.27	A0
279		10.60	1.08	0.82	G5 V	329		11.22	0.67	0.31	F0
280		11.66	0.66	0.12	A1	330	248877	9.50	0.69	1.37	G8
281		10.87	1.02	1.05	K0:	331		10.54	0.14	0.93	A2
282		12.31	0.58	-0.15	A0	332	248906	8.74	0.34	0.46	G2
283		11.20	0.69	0.05	F	333		11.09	0.48	0.18	F5
284	248323	10.25	0.31	0.13	A5	334		11.14	0.16	0.72	A3
285		11.32	0.35	-0.33	B5 V	335		11.14	0.25	0.15	A7
286		10.97	0.60	0.86	G5 V	336	26°996	10.56	0.88	1.30	G2
287	248344	9.86	0.30	-0.40	B3 V	337		11.30	0.74		G8
288		11.34	0.72	0.62	B9 V	338		11.72	0.45	0.12	B9
289		11.02	0.41	-0.20	B5 V	339		12.27	0.29	0.34	A2
290	26°978	10.43	0.50	0.15	F2	340		10.87	0.52	0.16	F2

26°						26°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
341		11.08	0.55	0.15	F2	391		10.76	0.15	0.34	A0
342		10.93	0.57	0.61	G0	392		10.59	0.81	1.08	G5
343		10.72	0.94	0.03	K0:	393		11.66	0.47	0.53	
344		11.46	0.34	0.11	A0	394	249481	9.80	0.30	0.23	A3
345		11.31	0.68	0.25	F6	395		11.43	0.10	-0.51	F5:
346		11.17	0.05	0.53	F2	396	40002	7.44	1.01	1.71	K2 III
347	249020	10.18	0.32	-0.08	B5 V	397	26°1010	10.42	0.80	0.99	K2:
348					F6	398		11.00	0.30	0.43	F0
349	249019				A7	399		10.60	0.08	0.26	A2
350	26°1000	10.97			A0p	400		11.68	0.59	0.71	A2
351		12.26	0.17	0.33	B9	401	249546	9.88			B9 V
352		11.50	0.37	0.68	A2	402					F8
353		11.20	0.84	0.68	G5 V	403	249612	9.33	0.59	0.02	F2
354					A0	404		10.47	0.88	1.63	G8:
355					A0	405					A0
356		11.33	0.58	0.43	F8	406	249611				A0
357		11.44	0.72	-0.10	F0 III	407		11.72	0.58	0.20	A5
358		11.41	0.24	0.36	F6	408		10.64	0.27	-0.11	B9 V
359	249105	9.30	0.49	0.33	A5	409					A
360		12.73	0.66	-0.48	A2	410		10.36	0.43	0.52	K0 V
361	249120	10.82	0.03	0.35	A0	411		11.04	0.95	-0.01	A0
362		11.49	0.18	0.37	F6	412	249682	10.01	0.68	1.73	G8 V
363	249141	8.74	0.70	1.08	G8 III	413	40164	8.74	0.52	0.27	A3
364		11.06	0.03	1.09	G2:	414	249683	10.34	0.41	1.05	A7
365		11.04	0.61	0.42	A7	415		11.99	0.05	0.31	A0
366					B9:	416	249698	9.87	0.39	0.16	A7:
367	249181	11.49	0.56	-0.13	B5	417	26°1021	10.16	0.81	1.20	G8 V
368		9.95	0.52	1.32	G8 III	418	249728			0.87	G5 IV
369		11.63	0.38	0.57	F8	419	26°1023	10.14	0.47	0.65	G5 IV
370		12.08	0.12	0.54	A3	420		11.79	0.56	-0.04	A0
371		11.46	0.70	-0.06	A0	421		10.94	1.11		K
372		11.01			B3 V	422	26°1024	10.31	0.74	0.00	F8
373		10.81	0.00	0.12	A1	423		11.88	0.91	0.07	A2
374		12.18	-1.46	1.80	F2	424		11.52	0.74	0.01	F5
375		10.32	0.55	0.89	K0 IV	425	249768	9.86	0.80	1.15	G5 IV
376	26°1005	10.78			B8	426		12.27	0.58	-0.12	A0
377		11.05	0.24	0.30	A2	427		10.99	0.78	0.16	G2
378	249300	9.77	0.76	1.52	G8 III	428					B5 V
379		10.97	0.32	-0.08	B8 V	429		11.93	0.69	-0.19	A0
380		11.45	0.68	0.35	A2	430		10.86	0.55	0.06	B8
381		11.80	0.40	-0.28	B3 V	431		11.24	0.61	0.51	
382		11.35	0.60	0.07	B5:	432					F8
383		10.98			A1	433		11.36	0.61	0.43	A7
384		11.14	0.18	-0.15	B9 V	434		11.60	0.58	-0.14	F2
385	249385	9.71	0.70	1.34	G8 IV	435	249934	10.19	0.09	-0.05	A1
386		11.05	0.76	0.50	A0:	436		11.20	0.39	-0.19	B8 V
387		10.57	0.84	1.60	G5 V	437		11.52	0.74	0.12	A7
388	249384	9.76	0.74	1.16	G8 V	438		12.42	0.81	-0.22	A0:
389		10.94	0.24	0.59	A7	439		11.51	0.73	0.02	F2
390	249403	10.29	0.45	0.05	G0 V	440		11.04	0.61	0.04	

26°						26°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
441		10.62	0.40	0.13	A2	491				0.94	G5:
442	250092	9.75	0.57	-0.10	G2 IV	492				0.61	P8
443		10.54	0.35	-0.22	B5 V	493		12.20	-0.08	-0.08	AO
444	26°1028	10.30	0.29	-0.22	B5 III	494		11.71	0.50	0.23	AO:
445		12.05	0.35	0.23		495		10.85			GO
446		10.51	0.49	0.05	G2	496				0.54	PO
447	250152	10.23	0.35	-0.29	AO	497				0.25	GO
448	26°1030	11.07	0.25	-0.22	B8 V	498	250754			0.20	P5
449				-0.08	A3	499	40980	9.28	0.37	-0.12	B8
450	250194	10.61	0.52	-0.12	AO	500	40996				B8
451	250174				A5	501				0.39	KO
452		11.60			AO V	502	26°1047				K5
453		11.44	0.72	0.32	F8	503		12.42	-2.83		AO
454		11.58	0.59	0.61	F6	504	250832	10.38			AO
455		11.61	0.47	-0.22	A5	505		10.62	2.04	0.35	A1
456		11.70	0.60	-0.02	GO	506	250831	8.79			KO
457		11.66			B8-A2	507	250830			-0.50	A7
458		10.02			KO III	508		11.67	0.18	0.48	AO
459	250308	8.98	1.01	1.33	KO III	509	250853	8.34	1.31	2.51	MO
460		9.28	2.97	-0.31	F8	510					P6
461		11.93	1.33		A2	511		11.86	0.38	0.60	A5
462	26°1035	10.74	0.95		G8:	512		11.95	-0.46	0.90	P2
463		12.35	0.26	0.30	A2	513	26°1052			0.99	G8
464		11.38	0.87	0.06	A3	514				0.27	A7
465		10.75	0.84	-0.10	F6	515		11.68	0.90	-0.04	K5
466		10.78	0.16	0.41	A7	516					FO
467		10.45	0.71	0.20	GO	517					B8
468		11.06	0.58	0.13	FO	518		11.62	0.79	0.00	FO
469		10.78	0.84	0.66	G-K	519		11.10	0.58	-0.36	B5
470	26°1036	10.62	1.07	-2.93	KO:	520					A2:
471					AO	521					A2
472		12.30	0.30	0.17	AO	522	251012				A3
473	250495	10.29	0.57	0.14	FO	523		11.40			G2
474	250494	10.07	0.63	0.05	F8	524				0.27	A1
475		11.08	0.48	0.23	AO	525		10.26	2.74	0.34	A7
476		11.86	0.38	-0.29	B5:	526				0.32	P5
477		11.13	0.69	0.48	AO	527		10.93	0.93	-0.01	A5
478		12.25	0.52	-0.14	B9:	528	251068	10.47	0.70	0.34	A7
479	250516	10.81	0.62	-0.16	A3	529		12.52			F8
480	40813	8.77	0.68	0.20	F2	530				0.33	AO
481	250572	9.34	1.26	0.18	F5	531	251120			-0.28	B5
482	250571	9.92	0.70	0.17	GO III	532	41252			-0.26	B8
483	250595	9.48	0.57	0.57	A5	533		12.11	0.84	-0.08	AO
484	250662				B9	534		11.07	0.62	0.40	AO
485					F5	535	251229			0.28	FO
486		11.97		0.18	AO	536	26°1057				FO
487	250640	10.47	-0.19	0.32	AO	537		11.44	0.67	0.41	A2
488		12.45			A3	538	26°1059				A7
489		11.27	0.52	0.02	F5	539	26°1060			1.26	G8
490		10.30	0.95	0.56	K	540	26°1061				K

26°						27°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
541				-0.19	B8	1	242832	8.88	1.21	1.85	K7 V
542	251304				A7	2	242831	10.43	0.33	-0.24	B5 V
543				0.30	G5 V	3	242846	9.91	0.92	1.66	KO V
544	26°1063			0.31	F8	4		12.04	0.82	0.25	A1
545					FO	5	242891	9.61	0.44	0.31	AO
546	26°1064			0.68	G5	6		10.65	0.70	0.97	KO
547				0.30	AO	7		12.21	0.56		AO:
548					K3 III	8		10.58	0.67	-0.17	F8
549	251382				A5	9		11.20	0.84		AO
550				-0.14	A2	10		9.90	0.91	1.83	G8 V
551				0.13	A5	11	26°811	11.17	0.70	0.63	A3
552	251461			0.82	G5 III	12		11.61	0.50	0.53	A2
553				1.38	G5	13		10.97	1.05	0.63	G5
554	26°1069	10.64	0.78	1.10	G5 V	14		12.04	0.89		B9
555	251489			0.12	AO	15	243166	10.23	1.39	1.09	KO V
556		11.57	0.87	0.29	A2	16		10.77	1.07	0.78	F6
557	251460				B9	17		11.45	0.79	0.32	B8 V
558	251488			-0.33	B5	18		11.55	0.54	0.61	AO
559		12.13			F6	19		10.87	0.78	0.85	K2 V
560	41456	7.40	1.19	1.10	G8 III	20	243313	10.05	0.35	0.52	A3
561				-0.03	B9	21	243330	10.54	0.58	0.53	FO
562				0.13	B9	22		12.06	0.58	0.15	B9 V
563	251549				GO III	23		11.21	0.61	0.84	F2
564	251582			0.24	A7	24		11.95	0.70		A2
565				0.27	B9	25	35394	9.43	0.20	-0.02	B8 V
566	251580			-0.36	B2 V	26		10.86	0.71	0.69	A3
567	251642				K7 III	27		11.35	0.58	0.65	AO
568	41563			1.57	KO III	28	243483	10.23	0.48	0.51	A5
569	251693				B9	29		10.46	0.12	0.68	F8
570	41600				B9	30		11.11	0.40	0.03	B8 V
571	251784				A3	31		11.12	0.78	0.78	F2
572					A1	32		10.94	0.70	0.46	GO
573	251878			0.53	A5	33	35586	7.57	0.58	0.10	GO
574					B8	34		10.57	0.89	1.10	GO
575	41709				AO	35		11.93	0.67	0.46	AO
576	251915				F8	36		11.66	0.56	0.24	B9:
577				0.12	A2	37	243778	10.00	0.20	0.41	GO V
578	251967			-0.10	A2	38		11.25	0.50	0.23	B3 V
579	252023			0.09	A2	39		11.65			A7
580	26°1093	10.13	0.04	1.22	K7 IV	40	243831	9.88	0.41	0.36	A2
581	252072				B9	41		11.13			F8
582	252102				B5	42	243832	10.06	0.59	0.61	A5
583	252151	10.51			A7	43		11.44	0.71	0.60	A5
						44		12.05	1.05	0.00	
						45		11.47	1.19	0.33	A2
						46		11.47	0.59	0.32	AO
						47		11.96	0.70	-0.05	B9:
						48		11.74	0.79	-0.37	B9
						49	243975	9.62	1.03	2.19	K5 V
						50	243991	10.35	0.50	0.38	A1

27°					27°						
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
51		11.32	0.89	0.62	A0	101		10.12	0.99	1.08	G5 V
52		10.75	1.06	1.07	G5:	102		10.86	0.80	0.40	B9 V
53	35954	9.19	0.44	0.60	F0	103		10.48	0.90	1.35	G8 V
54	244082	10.00	1.29	0.52	K5	104		11.93	0.37	0.22	B2 V
55	244131	9.84	0.42	2.05	F0	105		10.40	0.63	0.44	P5 V
56		11.60	1.00	0.41	A2	106	245108	9.94	0.15	-0.15	B9 V
57		11.70	0.75	0.25	B9 V	107	36859				K2 I
58	244204	9.20	1.33	1.45	K7 III	108	245193	9.94	0.18	-0.44	B5 V
59		10.86	1.00	0.56	K2 V	109		10.41			A2 I
60	244308	9.70	1.26	1.81	K5	110	245223	10.14	0.93	1.37	K0 I
61		10.62	0.52	0.18	G2	111	245222	10.27	0.32	0.43	A5 V
62		12.05	0.50	0.43	B9 V	112	245246	9.58	0.17	-0.14	B9 V
63	36215	7.29	0.74	0.12	G2	113		11.38	0.20	0.44	A0 V
64		11.33	0.35	0.81	B8 V	114	36993	8.29	0.18	-0.60	B2 V
65		10.63	0.55	0.38	A2	115	245321	9.36	0.78	0.98	G8 V
66	244425	10.68	0.50	0.13	B5 V	116		10.76	0.65	0.44	G8 V
67	244446	10.27	0.44	0.68	A2	117	245353	10.00	0.11	0.62	A2 V
68		12.07	0.46	0.12	B9 V	118		10.88	0.42	0.38	G5 V
69		11.64	0.70	0.32	A1	119	245393	11.00	0.34	0.40	A0 V
70	244491	9.86	0.66	0.55	F2	120		11.71	0.26	0.51	F2 V
71		11.81	0.69	0.36	A2	121	245423	10.26	0.36	0.42	A5 V
72		11.27	0.29	0.22	B9 V	122		10.74	0.05	-0.14	B9 V
73	244582	10.55	0.37	-0.22	B8 V	123	245474	10.37	0.28	0.08	F8 V
74	244609	10.04	0.60	0.15	F0	124	245475	10.06	0.70	1.32	G8 V
75		12.06	0.43	0.20	B9 V	125	245523	8.62	0.29	-0.64	B3 V
76		11.92	0.77	-0.07	A0	126		10.68	0.70	0.52	G5 V
77		11.84	0.63	0.04	A0	127	245602	9.99	0.23	0.29	A2 V
78	244696	9.23	1.10	1.52	K0 IV	128		11.25	0.43	0.25	A2 V
79	244742	9.91	0.59	1.10	G8 V	129	245687	10.45	0.21	-0.22	B9 V
80		11.26	0.49	0.49	A2	130	245709	9.70	0.91	1.10	G8 V
81		11.84	0.63	0.34	A2	131		11.18	0.22	0.00	B9 V
82	36575	7.73	1.11	1.53	K0 III	132		10.82	0.18	0.35	B9 V
83	244812	10.53	0.49	-0.09	G2 V	133	245787	9.08	1.08	1.43	G8 V
84		10.96	0.44	0.12	G2 V	134		11.00	0.57	0.33	G0 V
85	244847	10.06	0.62	0.03	G2 V	135	245814	9.32	0.82	0.68	A0 V
86	36643	7.97	0.55	-0.28	F6	136	245813	9.85	0.74	0.96	G8 V
87		12.07	0.24	0.26	B9 V	137		10.84	0.52	0.33	G0 V
88	244879	10.14	0.46	0.06	G5 V	138	245885	10.10	1.06	1.27	G8 V
89		10.20	0.56	-0.09	F2	139		10.67	0.42	0.70	A5 V
90	244895	10.08	0.45	0.63	A7	140	245936	10.02	0.69	0.38	F2 V
91	244894	9.36	0.37	-0.55	O5	141	37424	8.90	0.20	-0.64	B2 V
92	36666	8.09	1.18	1.25	K0 III	142	245950	9.55	0.40	-0.30	B2 V
93		10.61	0.44	0.08	A0	143		10.44	0.26	-0.42	B3 V
94	244939	10.32	0.97		G3 V	144		11.45	0.11	0.82	A0 V
95	244938	9.15			G8 IV	145		11.03	0.38	1.10	A2 V
96	244983	10.51	0.37	0.28	A2	146	246077	9.80	0.17	-0.01	B8 V
97		11.58	0.48	0.31	F5	147	37537	8.31	0.45	-0.41	B5 V
98		10.85	0.65	0.55	A5	148	37575	8.06	0.39	-0.27	F5 V
99	245026	8.59	1.29	2.19	K7 IV	149	246164	9.94	0.18	-0.04	G0 V
100	245025	9.35	0.47	-0.03	G2 V	150	246163	9.64	0.82	1.18	K0 V

27°					27°						
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
151	246179	9.77	0.29	-0.30	B5 V	201		11.77	0.36	0.40	A0
152	26902	8.01	0.25	-0.12	B8 III	202		11.00	0.35	0.26	F2
153	246254	8.89	0.48	0.18	A7	203		10.52	0.11	0.62	A5
154	246253	9.96	-0.18	0.20	F5	204		11.01	0.50	0.09	A0
155		10.86	0.25	0.60	A7	205	247443	10.00	0.78	1.72	K5 V
156		11.45	0.11	0.82	A0	206		11.24	0.54	0.29	B9 V:
157	246381	9.25	0.69	0.01	G0 V	207	247442	9.72	0.26	-0.34	B5 V
158	37738	8.24	0.24	0.29	B3 V	208		10.63	0.82	0.28	G5 IV
159		10.67	0.33	0.29	B9 V	209		10.60	0.14	0.00	A0
160		11.74	0.17	0.71	A2	210		10.86	0.60	0.32	A5
161		11.19	0.58	0.33	F0	211		11.37	0.26	0.35	F6
162		11.39	0.00	0.67	A0	212		9.96	1.10		K2
163	246492	9.20	0.36	-0.11	B8 III	213	247539	10.10	0.47	0.24	A7
164	246534	9.89	0.16	-0.10	B9 V:	214	38523	8.22	3.77		A0
165	246535	10.23	0.31	0.30	A7	215		10.12	0.50	-0.46	B2 III
166	246536	9.59	0.92	0.03	G8 IV	216		11.95	0.07	0.34	B9 V:
167	246647	10.17	0.08	-0.13	B8 V	217		11.41	0.50	0.12	A0
168		9.90	0.68	1.12	G5 V	218	247558	9.96	0.18		F0
169		10.51	0.31	0.31	A0	219		10.26	0.79	0.82	K5 V
170	246684	11.39	0.37	0.95	A3	220		10.86	0.57	0.12	B8:
171		11.59	0.36	0.36	B9 V:	221		10.16	0.63	-0.76	B5 V
172	38009	7.91	0.15	-0.22	B8	222		11.18	0.22	0.39	A2
173	246764	9.77	0.16	0.57	G2 V	223		10.59	0.57	-0.04	F0
174		10.49	0.28	0.31	B8 V:	224	247678	9.92	0.33	-1.13	B3 V
175		11.45	0.39	0.16	B9 V:	225	247679	9.91	0.48	-0.35	B5 V
176	246820	10.37	0.25	-0.07	B8 V	226		11.66	0.42	0.20	A0
177	38084	7.54			B9	227		11.01	0.38	0.34	F6
178	246878	9.27	0.24	-0.59	B2 V	228		11.74	0.42	0.37	B9 V
179		11.50	0.33	0.34	B9 V:	229		10.89	0.64	-0.02	A2
180		11.49	0.54	0.45	A0	230		11.41	0.44	-0.13	B8 V
181		11.25	0.52	0.40	A0	231		10.91	0.55	0.48	F8
182	247016	10.08	0.31	0.13	A1	232	247736	10.23	0.47	0.19	A2
183		10.54	0.35	0.58	G2 V	233	27°871	9.63	0.84	1.08	G5 V
184	247081	10.22	0.23	0.43	A3	234		11.54	0.79	0.38	A2
185	27°855	10.96	0.11	0.50	A2	235		10.84	0.73	0.15	F2
186	247105	9.12	1.16	1.66	G8 III	236	247753	9.91	0.64		G5 IV
187		10.49	0.12	-0.09	B9 V	237	38689	7.56	0.25	-0.42	B3
188	247152	8.72	0.84	1.41	G5 II	238		11.07	0.97	0.08	G
189		10.38	0.24	0.75	F2	239	27°875	10.53	0.39	-0.23	B8 V
190		11.01	0.43	0.33	A2	240		10.74	1.09	0.18	
191		10.31	1.01	1.00	G8 V	241		10.53			B9
192	247188	9.56	0.11	0.23	B5 V	242		11.59	0.86	0.49	G-K
193		10.52	0.02	0.51	F5	243		11.75	0.39	0.37	A0
194	247234	10.29	0.84	0.16	G8 V	244		11.18	0.80	0.30	G0
195		9.98	0.31	0.50	G5 IV	245		11.03	0.73	-0.22	F5
196	247260	10.97	0.50	0.27	A0	246		10.75	0.55	0.45	F2
197		11.71	0.28	0.89	A2	247		11.55	0.75	0.48	A2
198	247329	9.97	0.82	1.16	G8 V	248		10.81	1.14	0.97	G8 V
199	247381	10.51	0.48	0.95	G8 V	249	247875	9.21	0.65	-0.34	G3 III
200						250		10.72	0.43	0.23	A2

27°					27°					27°					27°								
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
251	247895	9.43	0.92	0.96	G5 III	301		10.64	1.21		K2:	401		10.99	0.52	0.48	A0:	401		10.99	0.52	0.48	A0:
252		11.52	0.34	0.38	A0:	302		11.04	0.33	0.12	A5	351		11.42	0.58	0.19	F8	402		11.17	0.54	0.08	A2
253		11.01	0.29	-0.22	B9	303		10.97	1.18		A0	352	39644	7.70	0.52	0.03	F8	403		10.65	0.38	0.26	B9 V
254		10.68	0.36	-0.60	B8	304		10.98	0.36	0.06	F2	353		10.65	0.60	0.31		404		10.55	0.48	0.22	G5 V
255	247938	9.99	0.45	-0.17	B3 III	305					B9	354	249040	8.94	0.81	0.71	G8 III	405		10.34	0.03	0.53	A5
256		11.01	0.69	0.33	B9 III	306					A2	355	249054	10.24	0.26	0.32	A5	406	249681	9.39	0.35	0.20	A2
257		11.12	0.36	0.02	B9 V	307	248544	9.50	0.81	0.76	G5 V	356		10.29	1.07	0.96	KO:	407	27°933	9.13	1.06	2.21	M2 III
258	38807	6.71	1.01	2.12	K5 III	308	248560	10.20	0.37	0.20	F8	357	249072	9.32	0.53	-0.38	B2 II	408	249751	10.22			B3 V
259		11.61	0.39	-0.22	A0	309		12.13	0.43	0.05	A7	358	249071	11.12	0.75	-0.01	F6	409	40256				B8
260	247989	8.70	0.71	0.81	K2 III	310		11.44	0.63	0.68	A7:	359		9.97	0.33	-0.21	B5 V	410					B8
261		10.57	0.52	0.36	A3	311		11.82	0.58	0.33	A1	360	249104	11.23	0.35	0.43	F2	411		11.09			B9 III
262		11.86	0.50	0.22	A2	312	248603	9.17	1.30		K5 V	361		11.37	0.31	0.48	A2	412		9.89	0.91	1.10	
263		10.38	0.35	1.61	G8 V	313		11.21	0.76	0.35	G3	362		6.79			B2	413	249787	9.62	0.29	0.28	A2
264		10.96	0.61	0.48	G0	314	248602	9.39	0.59	0.09	F8	363	39746	10.94	0.86	0.47	B5 V	414	40297	7.03			B9 III
265	248009	9.70	0.46	0.35	G2 V	315	27°896	10.38	0.68	0.71	G8 V	364		11.64	0.52	0.72	A2	415	249786	9.32	0.84	0.54	G5 III
266		11.89	0.72	0.00	A7	316		10.88	0.31	-0.14	B8 V	365		10.41	0.43	0.51	A1	416		8.99	0.54	0.36	A2
267	27°883	10.89	0.47	0.40	A5	317		11.13	0.39	0.30	A0	366		10.51			A2	417		10.45	1.02	1.13	
268		11.54	0.72	0.10	G0	318		9.99			G8 I	367	249155	9.69	0.97	0.68	G8 V	418	40315	8.61	0.23	-0.06	B8 V
269					B8	319		10.82	0.58	0.04	G0	368	249200				F0	419			0.76		B8 V
270		11.15	0.81	0.26	G0	320	248666	9.62	0.56	-0.30	B3 I	369	249256	10.17	0.30	0.08	F5	420		10.40	1.07	0.72	G2:
271	248068	9.98	1.01	1.58	K2	321	248665	9.83			F2	370	249257	11.15	0.99	-0.06	F5:	421		10.79	0.99	0.76	F0
272		12.45	0.56			322		10.56	0.45	0.06	F2	371		12.09	0.18	0.29	A1	422		11.26	0.64	-0.20	A7
273		11.26	0.61	0.34	F2	323		10.66	0.32	0.21	A II	372		11.14	0.70	0.16	F0	423		9.90	0.18		G2 V
274		11.27	0.48	0.25	A2	324	39357				B9	373		11.59	0.41	-0.27	B5	424				0.20	B9 V
275		10.80	0.38	0.22	A0	325		11.97	0.24	0.69	A3	374		11.02	0.38	0.05	A0	425				0.12	A3
276	27°885	10.30	0.60	0.07	F2	326		11.48	0.25	0.50	A3	375	249299	9.71	0.52	-0.17	F0	426	249850	10.48	0.41	-0.16	A0
277		11.98	0.80	0.32		327		10.80	0.43	-0.14	F8	376		10.37	0.92	0.91	G5 V	427		10.83	0.67	-0.42	F5
278	38998	7.12	1.34	2.03	M0 III	328		10.37	0.24	0.66	G2 V	377	27°921	9.85	1.00	0.56	G5 V	428		10.78	0.48	-0.25	A2
279		11.50	0.55	0.19	A2	329		11.61	0.46	0.71	A0	378	39949	6.94	0.93	0.88	G2 III	429		10.47	0.36	0.42	A5
280		11.13	0.76	0.40	G5	330	248768	8.79	1.03	1.02	F2 I	379	249420	8.52	1.08	0.46	G8 III	430	249963	9.89	0.25	-0.54	B2 V
281		10.87	0.72	0.16	F8	331	248769	9.81	0.14	0.07	B8 V	380		10.79	0.65	-0.10	F2	431				0.54	B8 V
282		11.17	0.63	0.02	A5	332		10.77	1.19	0.76	G5-G	381	249440	10.08	0.52	-0.04	F5	432		11.26	1.34	-0.43	A0
283		11.12	0.64	0.12	A7	333	248812				B9	382		11.21	0.67	-0.06	A0	433		9.62	1.14	-0.01	
284					A1	334		10.48	0.34	-0.22	B3 V	383	249460	9.03	0.68	-0.40	F2	434					A0
285	248270	9.65	0.39	0.11	A5	335					A0:	384					A1	435	40460	6.57			KO III
286		10.98	0.61	0.17	A2	336		10.93	0.55	0.04	F0	385					A0	436		11.01	0.27	-0.56	B3 V
287	248290	9.34	0.50	-0.36	B2 V	337		10.81	0.15	0.45	A2	386	249480	9.75	0.39	-0.29	B3 V	437		10.59	0.32	-0.08	B8 V
288		10.73	0.58	0.15	F8	338		11.37	0.49	0.29	F0	387	249498	9.65	0.41	-0.35	B2 V	438					F2
289		11.14	0.65	0.12	G0	339		10.13	0.71	1.29	G5 V	388		10.11	0.52	1.18	KO	439		10.24	1.06		K2:
290		10.82	0.56	0.12	A3	340		11.11	0.64	-0.06	A5	389	249526	9.72	0.04	0.16	A1	440		10.81	0.03	0.95	G8:
291		11.21	0.46	0.28	B9 V	341		11.43	0.71	0.12	B5 I	390		10.65	0.31	0.36	A2	441					G0
292		12.17	0.65	0.05	A2	342		10.82	0.76	0.03	F2	391		11.54	0.24	-0.15	A0	442					B8
293		11.09	0.31	-0.04	A0	343		10.82	0.11	0.47	A7	392		10.72	0.49	0.26	F8	443		11.34	0.22	-0.04	B9 V
294	248356	8.12	0.94	0.34	G5 III	344					B9:	393	249568	8.99	0.86	1.11	K2 III	444		10.56	0.79	0.91	G5 V
295		11.17	0.45	-0.06	G0	345					B9	394	249567	9.83	0.89	1.49	K3	445		11.89	0.44	0.49	A2:
296	26°980	9.92	0.45	-0.32	B3 V	346	248945	9.73	0.32	0.30	A3	395	249588	9.70	0.39	-0.37	B3 III	446		10.17			B5 V
297		11.15	0.98	-0.04	G0 V	347		11.99	0.49	0.49	A2	396		11.54	0.30	-0.23	B5 V	447	40589				B9 I:
298		11.80	0.15	0.70	A0	348		10.61	0.38	-0.13	B8:	397	249629	11.21	0.57	0.35	A3	448	250219	10.25	0.14	0.06	F6
299		10.53	0.65	0.10	F5	349	249005	9.69	0.35	0.30	F5	398		10.03	0.29	0.17	G0	449	250284			0.01	A0
300		11.04	0.86	0.43	G8:	350	248982	10.07	0.37	0.07	F2	399		11.52	0.24	0.44	A0	450					B5

27°					27°						
No.	HD, HDE, ED	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
451	250285	10.22	0.54	-0.08	GO V	501		11.53	0.81	-0.18	FO
452	250307	10.22			FO	502		10.88	0.09	0.76	AO(1:
453					BB	503		11.33	0.55	-0.04	AO
454				-0.28	BB	504					FO
455	250305			-0.13	B9 V	505		11.33	0.41	-0.10	F6
456	250306	9.84	0.87	1.16	KO IV	506		10.81	0.42	0.35	B9 V
457					A3	507					A2
458	250368	9.55	0.88	0.67	G8 V	508					A2
459					AO	509		10.70	0.39	0.01	B9
460		12.11	0.78	-0.26	A5	510					F8
											AO
461	250422				A3	511					AO
462	250448				G2 V	512					G2 V
463	250449	10.03	1.02	0.97	G8 IV	513		10.37	0.73	1.49	KO
464					A2	514		11.34	-0.16	0.48	F8
465	250492	10.22	0.52	-0.21	F2	515					A7
466	40802	10.08			B9 V	516		10.42	1.03	1.26	KO
467		11.07	0.32	-0.02	F6	517	41220	9.02	0.71		A3
468					A3	518	251066	10.05	0.75	1.21	G8 V
469	250541	9.31	0.14	-0.07	B8 III	519		10.24	0.49	1.05	G8 IV
470					A2	520					G5:
471	250542	9.15	0.81	0.24	G5 V	521	251119	9.67	0.21	-0.18	B8 V
472					G8 V	522	251118	9.97	0.86	1.45	G8 V
473					G2	523					KO
474		11.16	0.45		B3 III	524					B5:
475		11.82	0.35	-0.11	B8 V	525		9.94	0.54	0.42	F2
476					A2	526		11.80	0.77	0.09	AO:
477	250638	10.46	0.10	0.08	A2	527					F2
478		10.46	0.26	0.06	A3	528		11.74	0.59	0.44	F8
479					A2	529		10.81	1.06	0.54	A3
480		11.65	0.05	0.32	F8	530		11.47	0.13	0.64	A2
481											
482	250684	11.39	0.50	0.68	F8	531					GO:
483		9.91	0.01	0.10	A3	532					F8
484					K2 III	533					B9
485		11.59	0.24	-0.18	B8 V	534					G-K
486		11.53	0.33	0.05	B8 V	535		11.14	0.62	0.26	F8
487		10.28	0.52	0.06	A3	536					G3
488	40959	10.21	1.13		K5:	537				-0.32	GO
489	27°964				FO	538		10.07	0.95	0.15	KO:
490		10.29	0.43	-0.12	G2	539	251487	9.97	0.38	0.20	F2
					B8 V	540	251408	10.74	0.25	0.03	AO
491											
492				-0.45	GO	541	41418	8.64	0.39	0.23	AO
493		11.87	0.42		B5 V	542		11.41	0.54	-0.17	A7
494	250829				AO	543		10.64	-0.39	2.15	G5 V
495		11.43	0.26	0.40	G3 V	544	41455			0.28	B8
496				0.13	AO	545	27°977	9.65	0.82	0.06	G5
497	41056				A3	546					A2
498					A3	547					A2
499		11.03	0.71	0.18	B5:	548		10.97			A2
500		11.09	0.64	-0.10	A2	549	251548	10.19	0.62	0.01	F6
					AO	550				-0.26	B8
											A2

27°, 28°					28°						
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
551		10.30	0.24	0.01	B9 V	21				0.08	A3
552		9.78	0.38	-0.25	B5 III	22		10.92	0.97	0.28	FO
553					G8	23					A2
554		10.63	0.41	0.08	AO	24					FO
555				0.12	G5 V	25		10.93	0.26	0.26	AO
556				0.54	GO V	26	243496	10.57	0.42	0.10	F2
557					B3 V	27	243547	9.80	0.24		B8 V
558				1.02	G8 V	28	243628	9.36			K2:
559				0.22	F6	29	28°799	10.50			F8:
560						30		10.40	0.76	1.10	G8
561	251783			-0.05	AO	31		10.55	0.80		KO:
562					B5 III	32	243727	9.81	0.94	1.80	K5 V
563					B9	33		11.04	0.26	0.71	A2
564					AO	34	243777	9.30	0.90	1.29	K2 III
565					K7	35	243808	10.16	0.30	0.26	FO
566	41708			0.37	G3 III	36		12.00	0.40	0.32	AO
567				-0.09	A2	37		11.35	0.87	0.50	A2
568					FO	38					AO
569				0.11	AO	39		10.94	0.24	0.55	A2
570					G5 IV	40	243894	9.73	0.41	0.47	F6
571					B9	41					B5
572	26°1093				A2	42					AO
573				0.14	A2	43		12.19	0.30	0.47	AO
574				0.24	A2	44	243941	10.28	1.16	1.30	K2 V
575	252125			0.61	K2 V	45		11.78	0.59	0.47	F6
						46	243954	9.85	0.06	-0.35	B8 III
						47	243974	9.94	0.50	0.76	G5 V
						48		11.09	0.45	1.11	F6
						49	244048	9.62	0.88	0.56	G5 IV
						50	244067	9.81	1.07	1.84	K2
1	27°764	9.85	0.48	0.12	B8 V	51		10.62	0.69	0.62	AO
2	242954	9.52	0.22	0.08	FO	52	244066	9.41	0.08	-0.26	B3 V
3	35035	7.55	0.07	0.43	A2	53		10.56	0.58	0.21	A5
4		11.04	0.18	0.27	AO	54	244100	10.22	0.28	0.01	B8 V
5		11.48	0.30	0.73	A3	55		10.42	0.03	0.79	A2
6		10.75	0.39	0.35	A5	56	244147	9.74	0.31	0.49	F8
7		10.85	0.96	0.81	K2 V	57		11.10	0.53	0.82	A3
8	243209	9.33	0.98	1.23	K2 III	58		11.73	0.64		F5
9		10.82	0.84	0.78	G5 V	59	244277	9.92	0.48	-0.24	G2 V
10		11.34	0.39	0.20	AO	60		10.66	1.06	1.09	G8
11											
12		10.64	0.55	0.96	GO	61		11.61	0.45	0.08	B9 V
13					AO	62		11.44	0.64	0.44	G2
14		11.32	1.03		B8 V	63		12.12	1.02	-0.52	AO
15					B9	64		11.14	0.68	0.62	A1
16		10.93	0.42	0.99	G8 V	65		10.75	0.46	0.84	F8
17	243397	10.02	0.98	1.43	K5:	66		11.71	0.46	0.72	A1
18		10.23	0.32	0.24	G8 IV	67		11.09	0.37	0.32	F8
19		11.44	0.47	0.12	AO	68		10.89	0.28	0.04	F8
20		11.48	0.29	0.58	AO	69	36282	8.89	0.26	0.64	FO
		11.43	0.60	0.49	A7	70	244490	9.83			GO

28°					28°						
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
71		10.60	1.01		G5:	121	37318	8.39	0.00	0.56	
72	244547	10.18	0.58	0.49	GO	122		9.98	0.65	0.50	O9
73		11.47	0.40	0.40	B8 V	123		11.08	0.09	0.35	FO
74	244581	10.54	0.33	0.15	G3 V	124	245767	10.37	0.05	0.60	B5
75	28°817	10.46	0.40	0.07	B5 II	125		11.29	0.43	0.62	FB
76		11.51	0.52	0.17	B5 V	126		11.34	0.39	0.43	A5
77		10.98	0.55	0.28	B8 III	127	245840	10.04	-0.05	-0.01	B9
78		11.86	0.62	0.22	B8 V	128	245839	10.64	0.08	0.90	B3
79	36440	8.64	0.52	0.22	F8	129	245884	10.58	0.27	0.42	A3
80		10.44	0.34	1.02	A3	130		11.07	0.18	0.68	GO
81		11.02	1.19	0.40		131	245948	11.04	0.26	0.72	FO
82	244663	9.67	0.55	0.52	B8 III	132		11.61	0.20	0.68	A2
83		10.98	-0.06	0.66	A5	133		11.59	-0.07	1.00	A0
84	244726	10.50	0.08	0.55	A5	134	246005	10.54	0.31	0.28	B9
85		11.62	0.73	0.54	A2	135	245988	10.40	0.15	0.92	A2
86		10.73	0.62	0.08	B8 V	136	246007	10.45	0.59	-0.22	B2
87		11.35	0.27	0.71	B9 V	137	246026	10.62	0.06	0.53	A2
88	244792	9.16	1.13	2.09	K2 V	138		11.52	0.11	0.80	A0
89	244828	10.80	0.70	0.89	F8	139		11.85	0.52	0.47	B9
90	244862	10.57	0.74	0.35	GO V	140	37557	6.98	0.30	1.00	K0
91		11.24	0.32	0.62	A5	141		10.45	0.22	0.31	B3
92		11.13	0.26	0.48	B5 V	142		10.75	0.14	1.12	A0
93	36665	8.07	0.31	-0.53	O6	143		11.06	0.21	0.17	B9
94		10.88	0.41	0.34	FO	144		11.28	0.02	0.66	B9
95		10.83	0.44	0.20	B2:	145	246162	9.81	0.92	1.71	M8
96	244957	9.99	0.99	1.43	MO V	146	246178	10.43	0.39	0.14	F2
97		11.02	0.29	0.12	B5 V	147	37683	8.19	0.30	1.01	A5
98		10.87	0.72	0.24	F8	148	246294	9.53	0.43	0.47	G2
99		11.31	0.42	0.92	F8	149	246341	9.99	0.22	0.64	G5
100		11.01	0.87		K5 V	150	246311	10.61	0.32	0.92	A7
101		11.51	0.04	0.60	B9 V	151	246342	9.54	0.09	0.88	GI
102		10.93	0.08	0.33	B9 V	152	246366	9.27	0.15	0.90	GO
103		10.94	0.44	0.22	GO V	153	246401	10.43	0.12	0.84	F2
104	245128	10.19	0.18	0.59	G8 V	154	37819	7.95	-0.28	0.29	F8
105	245153	10.18	0.20	0.35	B8 V	155		10.90	0.38	0.63	G2
106	245192	10.63	0.09	0.79	A0	156		9.98	0.43	0.93	F8
107		11.47	0.51	0.61	B9 V	157	246513	9.78	0.34	0.21	B9
108	245287	9.54	-0.03	1.36	F5	158		11.24	0.01	0.34	A0
109		11.16			F2	159	246515	10.69	0.11	1.06	F6
110	245320	10.56			B9	160		11.08	0.62	0.84	FO
111	245351	9.36	0.45	0.32	FO	161	246646	9.36	1.31	1.98	K2
112		10.95	0.25	0.66	A2	162		10.74	0.38	0.73	A2
113	245444	10.40	0.24	0.66	A5	163	246644	10.19	0.27	0.92	F2
114		10.60	0.52	0.42	A0	164		10.94	0.16	0.92	AO
115	245601	10.43	0.17	0.90	B8	165	246709	10.46	0.15	0.56	A5
116		9.84	0.79	2.05	G8 V	166		11.38	0.18	0.03	AO
117		10.94	0.65	0.30		167		11.44	0.79	0.34	AO
118	245686	9.48	1.00	1.55	K2 III	168	246708	9.89			
119		12.17	-0.03	0.68	A0	169				0.52	AO
120		10.80	-0.10	0.51	B3 V	170		11.62	0.42	0.54	A2

28°					28°						
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
171	246763	9.76	0.49	1.46	G8 III	221	38542	8.86	0.30	-0.21	B9 V
172	246783	10.90	0.41	0.11	A0	222	28°894	9.68	1.08	1.18	G5 III
173	246861	9.63	0.40	-0.15	B5 V	223		10.84	0.90	-0.11	G2
174	246876	9.61	0.48		B5 V	224	247660	9.58	0.81	0.96	K0 V
175	246875	8.91			MO V	225		10.48	0.56	0.07	A5
176		11.33	0.36	-0.17	B9 V	226		11.08	0.49	-0.04	F6
177	38116	7.74	-0.34	-0.23	B3 III	227		10.99			AO:
178		11.09			A2	228	28°896	10.13	0.36	0.11	GO
179	246931	9.51	0.18	-0.27	B5 V	229		11.43	0.90	0.56	AO
180		10.46	0.22	-0.13	A0	230	247677	9.87	0.50		A1
181	246952	10.44	0.15	-0.26	A0	231		11.55	1.02	0.34	AO
182		11.30	0.03	0.67	A5	232	247734	10.44	0.05	-0.11	FO
183		10.76	0.94	0.48	GO	233	247716	8.96	0.98	0.00	G8 V
184	38153	8.16	-0.01	-0.22	B8 V	234	247735	9.01	0.69	-0.78	F8
185		10.77	0.37	-0.21	B3 V	235	247717	9.46	0.81	1.16	G5 V
186		10.88			A5	236	38658	8.12			B5
187	247015	10.55	0.06	0.16	A1	237		10.36	0.33	0.02	B9 V
188	38180	8.29	0.28	0.14	A5	238	247773	9.75	0.80	0.45	G2
189	247079	9.59	0.77	1.26	G8 III	239					GO
190					B5	240		9.38	0.96	1.25	K0 V
191	247080	9.98	0.24	-0.09	B8 V	241				0.26	FO
192					B9	242		11.35	0.72	-0.02	A7
193	247104				B9	243					F8
194		11.20	0.18	-0.28	B8 V	244		10.51	0.71	-0.61	
195	38233	8.53	0.09	0.02	B8 V	245		10.82	0.67	0.18	Co III
196	28°880	9.70	0.65	2.41	K0	246		11.49	0.59	0.34	A2
197	28°879	9.87	1.20	-0.32	K5 V	247		11.04	0.22	0.20	A2
198		10.64	0.22	-0.15	B3 V	248		11.68	0.50	0.38	
199		11.69	0.20	-0.04	B9 V	249	247987	9.73	0.46	0.00	F8
200		10.88	0.30	-0.02	B8 V	250		10.47	0.41	0.26	AO
201	28°881	10.17	0.28	0.25	F2	251		11.23	0.52	-0.01	B8 V
202		11.22	0.28	-0.17	B8 V	252		12.27	0.65	0.22	A2
203	28°882	10.60	0.29	0.20	F8	253	28°909	10.61	0.52	0.14	F5
204		11.37	-0.03	0.50	A0	254		11.29	0.54	0.06	A7
205	38348	9.20	2.34	2.21	A0	255		12.60	0.89	-0.17	G
206	247328	9.38	0.22	0.06	A0	256		10.80	0.37	0.06	A5
207		10.58	0.10	0.25	A0	257		10.66	1.27	0.54	K
208		10.87	0.23	0.64	F8	258					B9
209		11.64	0.28	-0.04	B9 V	259		11.78	0.49	0.19	A2
210	247441	8.84	0.18	-0.08	B9 V	260	28°910	10.08	0.84	0.56	G8 V
211	38463	8.03	0.20	-0.16	B8 V	261					GO
212		10.97	0.62	0.04	A7	262		11.79	0.36	0.34	A2
213	247524	10.21	0.55		A5	263	248151	10.08	0.34	0.06	A2
214	247523	9.62			F5	264		10.05	0.47	0.07	A7
215					A2:	265		10.48	1.12		K5 V
216		11.33	0.26	0.25	A1	266		11.34	0.14	-0.09	F2
217		11.42	0.06	0.43	A0	267		10.77	0.63	-0.09	F8
218	247557	9.71	-0.25	-0.49	B3 V	268		11.83	0.67	-0.02	B8 V
219	28°891	11.01	0.45	0.16	A0	269		11.44	0.46	0.41	A2
220					GO	270	248209	9.51	0.77	0.29	K0 IV

28°						28°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
271	248211	9.88	0.38	0.25	A3	321	39451	8.92	0.65	-0.44	B9
272		10.66	0.91	-0.19	G5 V	322	248788				G8
273	248210	9.40	1.16	0.81	K0 3	323	28°935	9.69	1.14		B8
274	248229	9.78	0.24	-0.15	B8 V	324		10.59	0.08	-0.08	K5
275		11.98	1.01	0.23	F8	325		11.60	0.26	-0.28	B8
276		10.88	0.86	0.16	G0 V	326		11.02	0.61	0.26	B5
277		9.86	0.75	0.37	G5 V	327		10.59	0.18	0.06	A0
278		10.61	0.70	-0.05	FO	328		11.55	0.27	-0.32	B9
279	248269	10.59	0.28	-0.23	B8 V	329		12.01	0.45	-0.24	B5
280		11.09	0.95	-0.28	F2	330	28°936	10.64	0.35	-0.31	B5
281		10.97	0.44	0.06	B9 V	331	248943	10.68	-0.08	0.24	B3
282	248343	9.36	0.77	-0.56	B9 III	332		11.27	0.42	0.13	A2
283		10.44			G2	333		10.31	1.14		A0
284	39096	7.95	0.29	-0.08	B9 V	334	248944	9.97	0.37	0.06	K7
285		11.34	0.56	-0.03	FO	335	248964	8.48	1.19	1.41	B9
286		11.50	0.24	0.48	A5	336		10.56	1.54		K5
287		10.71	0.39	0.04	B9 V	337		11.16	0.84	-0.83	K2:
288		10.76	0.54	-0.47		338	39611	8.63	0.18	-0.17	B8
289	39137	7.49	0.38	-0.35	A5-A5	339	249018	9.53	0.60	-0.42	B3
290	248411	8.99	0.25	-0.07	A2 I	340		10.62	0.24	0.20	A2
291		10.95	0.54	0.05		341		10.70	0.62	-0.28	B5
292		10.65	0.71	-0.38	A0	342	28°942	10.23	0.89	0.93	G5
293	28°922	10.59	0.52	0.01	F5	343	249070	10.62	0.29	-0.22	B8
294	248451	10.49			B9 V	344		11.38	0.37	-0.15	B9
295	248473	10.45	0.12	-0.03	B9 V	345	249090	10.19	0.69	0.10	A7
296		11.27	0.46	0.30	A2	346		11.32			B9
297	39226	8.67	0.57	0.09	A5	347		11.68	0.54	0.09	B8
298		10.70	0.76	0.10	P6	348	249119	9.60	0.49	0.02	F6
299	248507	10.17	0.57	0.16	F5	349		11.74	0.23	-0.23	B8
300		10.68	0.34	-0.11	B8 V	350	249140	9.90	0.18	-0.16	B8
301					B9	351		10.11	0.84	0.88	G8
302		10.85	0.33	0.12	A5	352	249179	9.51	0.36	-0.36	B3
303	248578	9.77	0.68	0.21	G5 V	353	28°947	11.22	0.69	-0.25	B5
304		10.65	0.45	0.29	F2	354		11.95	0.27	0.16	A2
305		10.30	0.41	0.99	G-K	355	249180	10.25	0.22	-0.02	B9
306	39304	8.99	0.18	-0.14	B8 III	356	249218	9.19	-0.35	0.67	A3
307	248619	10.67	0.30	-0.16	B8 V	357		11.15	0.09	0.16	F8
308					B9	358		10.74	0.32	0.54	A5
309		10.94	0.90	0.13	G0	359	249279	9.56	0.34	0.00	B8
310	28°929	9.47	1.21		K7	360		9.96	0.05	0.57	F6
311		11.09	0.46	0.01	B8 V	361	28°951	10.16	0.47	0.21	F2
312	39356	7.76	0.97	1.43	K5 III	362		10.69	0.78	-0.12	G0
313		10.45	0.30	0.31	G2 V	363	39866	6.44			A2:
314		12.16	0.41	0.02		364		10.37	0.97	1.34	G5
315		11.16	0.40	0.18	A0	365		9.56			B8
316	28°931	11.30			B9 V	366		11.83			B9
317		10.83	0.33	-0.33	B3 V	367	249418	9.51	0.72	0.83	K0
318	248767	9.42	0.60	0.17	A2	368		11.54			B5
319			-1.36		A7	369		11.51	0.36	0.33	A2
320		10.93	0.50	0.21	B9 V	370	249681	9.39	0.35	0.20	A2

28°						28°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
371		10.62	0.02	0.79		421		10.84	0.80	-0.27	G2
372	249479	9.72	0.44	-0.33	A0	422	28°977	10.05	0.80	-0.84	A2
373		10.37	0.92	0.91	G5 V	423		10.34			A0
374		10.57	0.84	-0.36	A0	424	40677	8.84	0.45	-0.03	B9 V
375	40038	8.41	0.31	0.14	B9-A0	425	28°978	10.58	0.93	1.19	G5:
376	40110	8.40			A0	426		10.92			A0
377		11.46	0.61	0.17	A0	427	250406	9.98	0.18	-0.22	B8 III
378		10.50	0.39	-0.48	B3 V	428		9.75		-0.12	
379		10.86	0.32	-0.03	B9 V	429		11.88	0.21	0.17	B8
380	249679	9.56	0.56	0.12	B9 III	430	250447	9.26	0.80	0.92	G8 V
381		10.36	0.56	0.21	G5 V	431		10.97	0.27	-0.17	A0
382		11.42	0.77	0.21	A2	432		11.34	0.18	-0.35	B8 V
383		11.63	0.34	-0.78	B3 V	433	250491	10.54		-0.27	B8 V
384	28°960				A0	434	28°984	10.38	0.38		G5 V
385					B8	435		11.31	0.18	0.55	A2
386		11.58			B8	436		10.31	0.60	0.09	F6
387		11.64		-0.29	B5 V	437	250515	9.99	0.26	-0.25	B8 III
388		10.69			K0	438	250514	10.53	0.74	-0.04	A2
389		11.27	0.47	0.02	A7	439	250539				G8 V
390		11.08	0.78	-0.26	F2:	440	250540	8.79	1.09	1.12	K0 IV
391	249826	9.58	0.84		K7 IV	441		10.69	0.93	1.08	G5 V
392	249847	10.10	0.39	1.37	F5	442	250616	10.51	0.25	-0.25	B8 V
393		10.48	0.98	-0.35	G0:	443	40894	7.35	0.53	-0.64	B2 I
394	249911	10.21	0.33	-0.42	B3 V	444	250661	9.40	0.58	0.12	F2
395	249912	9.48	0.62	-0.05	F6	445		11.40	0.39	0.06	A5
396		10.59	0.39	0.01	A0	446		10.99	0.54	0.10	F5(I:)
397	40440	8.73	0.63	-0.38	G0	447	28°993				G2
398	40441	6.58	0.80	2.35	K5 I	448		10.94	0.31	-0.11	F6
399		10.75			A0	449		10.32			A0
400	250027	9.80	0.45	0.17	A0	450		11.65	0.33	-0.11	B9 V
401					A0	451		12.04	0.82	-0.77	A0
402		12.03	-0.01	0.24	A0	452					A0
403		11.49	0.88	0.01	A2	453		11.36	0.16	0.94	F5
404		11.98	1.33	-0.66	A0	454	41055	8.76	0.22	0.03	B9 V
405					A2	455		11.34	0.15	0.02	A1
406	250116	10.20	0.47	0.23	A7	456	250894	10.06	0.39	0.32	A3
407	40530	7.32	0.28	-0.06	F2	457		11.19	0.35	-0.17	B8 V
408	250192	9.76			K5 IV	458	41100	7.93	1.00	1.35	G8 III
409		11.03	0.24	-0.15	A0	459					B9
410	250193	10.68	0.39	-0.33	A0	460	41138	8.76	-0.21	0.06	B9 V
411	250218				F8	461	251010	10.16	0.41	0.25	A2
412		10.96	0.77	-0.02	A1	462		10.32	0.25	0.26	A5
413		10.15	0.70	-0.25	A2p	463	251011	9.86	0.74	1.28	K0 V
414		11.32	0.68	-0.39	F8	464		10.91	0.69	0.07	F8
415		11.48	0.34	0.04	B9 V	465		10.36	0.84	1.12	G8 V
416	250262	10.59			A7	466	251117	9.10	0.41	-0.42	B0 III
417		11.64	0.14	-0.45	B5 V	467		11.52	0.46	0.12	A0
418	28°975				G8	468		11.49	0.37		B9 V
419	250282	8.62	0.64	1.13	K0 III	469	251145				B5
420	250283	10.15			F8	470		11.46	0.37	0.00	A2

28°

No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
471		11.59	0.52	-0.13	A7	1		10.86	0.58	0.26	A
472		10.75			B8 V	2	243684	10.68	0.30		B
473	251331	10.03	0.42	-0.24	B5 III	3	243726	10.15	0.35	0.39	A
474		10.20	0.66	0.82	G8 V	4		10.45	0.27		B
475	251332	10.89	0.26	0.00	B9 V	5	29°908	10.96	0.73	0.39	A
476		11.01			A2:	6		11.04	0.46	0.83	A
477	41398	7.28	0.52	-0.55	O5:	7		10.71	0.60	0.96	A
478		10.63	0.21	-0.08	B8 V	8		11.63	0.68		B
479	251485	9.64	0.99		MO III	9	36281	8.63	0.57	0.41	G
480		10.24	0.52	0.06	F5	10	36335	8.11	-0.12	0.36	F
					A0	11		11.13	0.46	0.42	F
481		10.75			A2	12	36373	9.07	0.33	0.16	G
482		11.04			A0	13	244694	10.27	0.84	-0.12	B
483		11.37	0.61	-0.12	A5	14	244708	9.76	0.30	0.91	A
484		10.35	0.23	0.05	B8 V	15	244740	9.89	0.69	1.54	G
485	251578	9.43	0.76	-0.16	G3 IV	16	244876	10.12	0.09	0.87	A
486	251579	10.56	0.34	-0.36	B5 V	17	244956	9.43	0.25	0.73	F
487		9.10	0.99	2.42	K7 V	18	245024	10.26	0.35	0.71	G
488	251640	11.74	0.52	0.17	B9 V	19		10.98	0.60	0.20	B
489		10.58	0.21	-0.15	B8 V	20		11.57	0.64	0.22	B
491		10.20	1.01	1.13	G5:	21	29°938	11.42	0.13	1.11	
492					B9 V	22	37072	9.18	0.03	0.62	A
493	251781	9.83	1.87	0.26	K2 IV	23	245600	10.84	-0.14	0.49	B
494	251807			0.30	F2	24	245708	10.18	-0.08	1.00	A
495	251840	9.75	0.12	-0.17	B8 V	25		11.18	-0.11	1.09	A
496	28°1017				F5:	26	37367				B
497		11.14	0.13	0.09	A0	27		10.67	0.59	1.32	A
498	251914				B8	28		11.53	0.52	0.14	B
499	251941				G5 IV	29		11.71			B
500	28°1020			1.39	G8 IV	30	246097	10.54	0.08	1.26	F
501	28°1022				A2	31	246144	9.18	-0.01	0.24	G
502	252041	8.89	0.97		G5 V	32					A
503	28°1023	10.47			F0	33					A
504	252230	8.94	1.00		G8 V	34		10.36			G
505		11.33	0.08		A0	35					A
506	252315	9.91	0.33		A2	36	246293	10.22			B
507					G0 V	37	246292	9.62			D
508		10.80	0.23		F8	38	246310	10.30	0.31	0.01	G
509	252369	7.87	1.38		K5 I	39					A
510	252370				G5 III	40	37725	8.47	-0.27	-1.26	A
511					A2	41	246340	8.62	0.13	-1.51	G
512	42034				F0	42		11.24	0.37	0.54	A
513	252455	10.33	0.07		G5 III	43					F
					B	44	246338	9.04	-0.06		B
					B	45	246380	9.35	0.28		B
					B	46	246417	9.15			B
					B	47					B
					G	48	37800	7.17			G
					A	49	246464	10.66	0.66	0.66	A
					A	50	246489	10.28	0.56	1.07	A

29°

No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
51		10.72	0.32		B9 V	101	247326	9.76	0.40	-0.50	G0 III
52	246512	9.25			K2 III	102	247327	9.26	0.27		B8 V
53		10.72	0.84	0.72	A3	103		10.51	0.66	0.34	G0 V
54		11.95	0.22		F0	104		11.62	0.77	0.34	A2
55		11.58	0.51	0.34	F6	105	247380	9.87	0.14	-0.10	B5 V
56	246583	9.57			G8 III	106		10.77	1.06	0.22	A0
57		11.75			F8	107	247419	9.18			B8
58		11.70			F0	108					A0
59					G0	109		10.51	0.64	0.17	G0
60	246604	8.55			K0 V	110					A2
61	37956	6.63			K0 III	111	38450	7.77	0.13	-0.02	B8 V
62		10.78	0.52		K0 V	112					A2
63	246706	9.09	-0.12		B9	113					G0
64	246742	9.32	0.06		B8	114					G0
65					A5	115		10.67	1.04	0.93	G5 V
66	29°973	9.41	0.86	1.77	K0 IV	116	247479	9.64	0.78	0.96	G5 V
67					A0	117		11.31	1.36		A0
68	38034				B8	118	247500	9.85	0.56	0.03	F5
69		11.04	0.75	0.68	A3	119	38491	7.03	1.09	-1.10	G0
70	29°977			1.05	G8 V	120					K0
71	38062				B8	121	247522			-0.08	B8
72		10.14	0.56	-0.45	F8	122		11.56	0.41	0.51	A0
73		11.27	1.07	0.58	A0	123					G0
74	246951				K0 V	124		11.89	0.05	0.71	A2:
75	246930	9.62	0.93	1.72	K0 V	125		11.08	0.43	0.28	A2
76		10.84	0.36	0.39	A0	126		10.58	0.36	0.64	F5
77		10.38	1.24	0.89	G8 V	127	247591	10.00			A0
78		12.10	0.24		A0	128					F0:
79	247042	9.47	0.18		B3 III	129					K0
80	29°982	10.18	0.36	-0.05	F6	130	247607	10.18	0.22	0.37	A0
81		10.77	0.58	0.54	A3	131		10.40	1.14	0.91	G5 III:
82		11.60	0.29	0.68	A0	132		10.74	0.84	0.23	G0
83	38232	7.13	0.77	-0.76	F2	133		11.89	0.73	0.37	A0:
84					A0	134					G0
85	247175	10.14	0.96	1.70	K0 V	135	247634	9.23			A7
86		11.87	-0.01	0.81	A0	136		10.80			A5
87		10.99	0.28	0.66	F6	137		11.06	1.10	-0.22	A7
88		11.24	0.49	0.58	F8	138					G0
89	247187	8.83	0.90	0.65	G8 IV	139		11.51	0.52	0.33	A3
90					F2	140	29°1003	11.54	0.68	0.03	A3
91		10.48	0.09	0.19	F8	141		11.53	0.50	0.11	B9 V
92		11.07	0.26	0.22	A0	142		10.42			B8
93	247233	9.60	0.98	0.76	K0 V	143					A7
94		11.14	0.70	0.58	G0 V	144					F8
95		10.85	0.18		B8 V	145		10.92	0.75	0.05	F5
96	247286	10.05	1.07	1.37	K0 III	146					A0
97		12.10	0.74	0.12		147		11.17	0.49	0.42	A5
98	247306	9.56	0.70	0.34	G5 V	148	38688	8.09	0.24		F2
99		10.97	1.03	0.08	F0	149	38708	7.77	0.24	-0.01	B2 III
100					A0	150		10.61	0.29	0.05	B9 V

29°						29°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
151		11.20	0.40		B8:	201		11.43	0.46	-0.02	B8
152	247815	10.20	0.32	0.17	G5 IV	202				-0.90	B1
153					G5 V	203					B8
154		11.12	0.45	0.40	F6	204		10.73	0.61	-0.09	A2
155	247836	9.43	0.81	0.88	G3 V	205		9.90	0.46	0.62	A5
156		10.44	0.57	0.63	G5 V	206		11.11	0.39	-0.02	B8
157					A2	207		10.97	0.27	-0.15	B9
158	38749	7.80	0.48	-0.04	A7	208					B8
159		11.43	0.12	0.36	A0	209	248691	9.76	0.39	-0.14	B9
160		11.25	0.41	0.36	A5	210	248635	11.00	0.56	0.09	A0
161		11.09	0.89	-0.03	F2	211				2.31	G0
162	247913	9.61	0.32	-0.27	B5 V	212		11.16	0.68	-0.12	A5
163		12.28	0.20	0.43	A0	213		10.96	0.89	0.11	G5
164		11.41	0.65	0.12	F8	214					A2
165		10.84	1.22	0.58	G5 V	215	248766	10.01	0.67	0.15	F2
166		11.23	0.33	0.40	F0	216	248787				B9
167		11.73	0.76		G0	217		10.60	0.24	-0.30	B5
168		10.34	1.08	0.89	K0:	218	248810				F2
169				1.54	G	219	248811	9.25	1.07	0.75	A0
170		11.67	0.66	0.30	B9 V	220	248836	10.38	0.36	0.16	F5
171	29°1011			0.99	G0 V	221		11.19	0.37	0.37	F2
172	248136	8.65	1.09	1.09	K5 III	222		10.70	0.48	0.20	F6
173		11.41	0.24	0.06	F6	223		11.33	0.49	-0.84	B9
174		11.45	0.44	-0.08	A2	224		11.45	0.49	-0.21	G0
175	248208	10.72	0.45	0.29	A3	225		10.49	1.26	0.71	G8
176		11.48	0.58	0.10	B8 V	226	248923	10.30	0.37	-0.20	B8
177		11.97	0.49	0.04	A-F	227		11.10	1.24	0.57	A0
178		11.17	1.28	-0.12	G2	228		10.55	0.54	-0.37	B3
179				0.14	A0	229		10.97	0.44	0.24	A5
180		10.71	0.58	-0.29	A0	230		10.76	0.11	0.08	F8
181				-0.46	B3 V	231		10.74	0.42	-0.28	B1
182	248268			1.06	A5	232	39677	6.89			F1
183	248371	9.50	0.78	0.55	G8 V	233	249089	9.17	0.38	-0.25	B5
184	248370	10.20	0.41	0.12	A0 II	234	39713	7.43	0.96	0.68	G5
185		11.21	0.81	0.26	A2	235		10.64	0.47	-0.11	B8
186	29°1019	10.44	0.82	1.34	G8 V	236	249103	9.29	0.72	0.52	F2
187		10.12	1.19	0.48	G8 V	237		11.60	0.38	0.15	B2
188		11.24	0.46	0.09	A1	238		10.65		-0.66	B2
189	39199	9.22	0.22	-0.07	B9 V	239		10.74	0.38	-0.26	B5
190	39200	9.22	0.06	-0.13	B9 V	240		10.71	0.27	-0.25	B5
191	39208	7.73	1.63	1.48	K5 III	241		11.26	0.74	0.02	A0
192		11.08	0.39	0.02	B9 V	242		9.88	0.58	0.11	F5
193	248543				K0 IV	243		10.89	0.74	-0.26	A5
194	248526	10.42	0.42	0.18	A2	244	249241	10.17	0.28	0.11	A0
195					A7	245	249278	10.00	0.70	0.06	A7
196	29°1025	10.67	0.64	0.52	G2 V	246	39865	8.53	0.50	-0.32	B5
197	39275				G0 V	247					A5
198		11.17	0.47	-0.38	A0	248	249297	9.47	1.24	-0.14	A2
199	39274				G5 V	249	249320	9.67	0.73	-0.93	B1
200	39303	7.25	1.12	1.06	G5 III	250		11.18	0.94	-0.04	G0

29°						29°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
251		10.13	0.90	0.80	G5 IV	301		11.18	0.46	-0.54	B2 V
252					A2	302		10.97	0.75	-0.13	F5
253		10.79	1.09	-0.58	A2	303	29°1073				B9
254		10.46	0.66	1.54	G0:	304	40628	8.63			B8 III
255	249478	10.31	0.32	0.13	A0	305		11.79	0.37	-0.22	A0
256		11.71	0.34	-0.08	B5 V	306	40653	8.31	0.79	0.26	A2 I
257		11.53			B8	307		11.01	0.92	0.14	A2
258	249497	9.50	1.13	0.81	M0 V	308	250328	10.13	0.25	0.12	A1
259		10.91			B5 V	309		12.09	0.38	0.09	A0
260		10.26	0.54	0.06	G0 III	310		11.43	0.65	-0.28	A0
261	249523	9.73			G8 V	311		10.68	0.35	0.46	A2
262	29°1052	10.20	0.84	1.61	K2 II	312	250445	9.42	0.50	0.20	A1
263	29°1053	10.27	0.63	0.58	G8 IV	313		11.72	0.31	0.30	A2
264		10.71	0.08	0.63	F8	314	250446	10.30	0.27	0.06	F5
265	249566	9.11	0.24	0.40	G2 III	315	250444	9.53	0.74	0.54	G8 IV
266	249610	10.12	0.89	1.04	G8 IV	316		10.38	1.52	0.34	G5 V
267		11.74	0.57	0.18	B8 V	317		11.48	0.41	0.16	A0
268		11.45	0.88	-0.63	A0	318		11.16	0.34	0.29	B9 V
269	249664	10.33	0.10	0.17	A1	319	250569	10.85	0.47	-0.19	B8 III
270	249650	8.68	1.16	2.03	K5 III	320	250570	10.36	0.32	0.31	A7
271		9.83	0.40	0.44	F8	321		11.93	-0.03	0.11	A0
272		11.21	-0.04	-0.31	A0	322		11.33	0.45	-0.37	F0
273	40163	7.80			B9	323		9.75			A0
274		10.13	0.80	0.99	G8 IV	324	250660	9.72	0.45	0.51	A7
275	249716	9.79			G8 V	325	250683	9.85	0.55	0.23	G3 III
276	29°1059				G0 V	326		10.79	0.77	0.40	G5 V
277	249750	9.07	0.86	0.46	G3 III	327					A0
278	40255	6.85			A5	328	250737	10.31	0.12	0.04	B9 V
279	29°1063				G8 V	329		10.38			A2
280		11.49	0.38	-0.30	B5 V	330		10.96	0.48	-0.08	F2
281		11.43	0.33	-0.41	B8 V	331	250751	9.82	0.24	0.40	A3
282		10.33	0.10	0.62	A5	332	250784	9.00	1.28	1.86	M0 V
283	249785	10.63	0.46	0.12	A2	333		10.85	0.26	0.06	B9 V
284		10.83	0.47	0.20	A5	334		10.64			B9
285		11.28	0.74	0.01	F8	335	41010				G5 III
286	249806	9.33	1.13	1.77	K5 III	336	250812	9.86	0.44	0.28	A5
287		10.24	0.28	-0.34	B5 V	337		11.00	0.20	0.06	A7
288		11.09	0.36	-0.07	A0	338	250850	9.82	1.40	0.20	G8 IV
289	40366	8.36	0.63	0.40	A3	339	250851	9.43	0.77	0.60	G5 V
290		10.66			B8	340					F8
291	249932	10.65	0.39	0.17	B8 V	341	250875	10.42	0.41	0.05	F0
292		11.12	0.36	-0.32	B3 V	342		11.52	0.45	-0.15	B5 V
293		11.06	0.52	0.09	B9 V	343		11.34	0.43	0.39	A1
294		11.46	0.50	0.06	B8 V	344	41099	9.17	0.31	0.15	B8 V
295	250050	9.23	0.54	0.26	F0	345		11.45	0.26	0.06	A0
296	250049	9.64	0.64	0.05	F6	346		11.23			A2
297					G0 III	347		10.64			B9 V
298	250133	8.80	1.95	0.29	K2 III	348		10.38	0.35	1.26	K0 V
299	29°1071				F5	349		10.38	1.01	0.93	G5 V
300		11.04		0.56	F2	350		10.61	0.29		B9 V

29°						30°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
351	251097	10.13	0.62	0.08	F5	1	246336				A5
352	251116	8.90	1.06	2.02	K7 III	2					B5
353		10.46	0.34	0.12	F8	3	246363	9.62			F2
354	251143	9.91	0.29	-0.65	A7	4	246416	10.91			A1
355		10.66	0.28		B9 V	5					G2
356	251142	9.53	0.58		F8	6					A7
357		11.30	0.29	0.83	A2	7					A5
358	251198	9.34	0.50	0.24	F5	8	246510				K2 III
359	251227	10.15	0.35	0.26	A3	9					AO
360	251251	10.24	0.38	0.00	A7	10		10.77			FO
361	251274	10.51	0.20		A3	11		11.50			F8
362		10.59	0.52		F6	12	246621				B3 V
363	251358				GO V	13	246642	9.56			G2 III
364	251359	9.39	0.58		G2 V	14					A5: I
365	251360	10.22	0.25	-0.06	B9 V	15		10.91			B3: I
366	251407	10.46	0.31	-0.34	B8 V	16					A1
367		10.35	0.39	-0.08	B8 V	17		11.12			B3 V
368	41417	9.01	-0.08		B8 V	18	246705				G5 V
369	251429	9.93	0.90		K2 IV	19	246726				A2
370	41430	7.35	0.96	1.67	K2 I	20					F6
371	41429				K7 III	21					B9
372		10.42			G5 III	22					G8 V
373					A7	23	38094	7.23			G5
374	251577	11.93	0.34	-1.14	A7	24					B5
375	29° 1115	10.39	0.56	-0.36	B2 III	25	38115				KO V
376		10.55	0.69		G2 III	26					GO V
377	251748	10.09			K2 III	27					F2
378		10.72			A5	28					K2
379		10.67			G5 V	29					AO
380		11.12			A7	30					AO
381		10.17		2.35	GO V	31					A2
382		10.90	0.61		B3 V	32	246969				GO
383		10.36	0.28	0.06	F2	33					GO
384		10.59	1.82		G2 V	34					A2
385	251966	9.16	0.30	0.62	A2	35	30° 996				FO
386	252100	9.48	0.25		FO	36		10.81	1.03		KO:
387		10.42			FO:	37					C8
388	41850	9.77	-0.56		F2	38		11.60	0.52	0.34	F2
389	252174	10.16	0.20		F2	39					F2
390					A3	40					F2
391	252229	9.89			G5 III	41	38231	8.35			B3
392					F2	42		11.96			B8
393		11.34	-0.18		FO	43		11.71	0.45	0.62	A2
394	252314	9.13	0.77		G5 III	44					A2
395	42033	8.62	-0.52		GO V	45	247125				A5
396					GO V	46	247151				G8 V
397	252399				KO V	47					B9
398	29° 1130				GO V	48					A1
399	252477	10.17	-0.66		A7	49					G5:
					G8 IV	50		11.42	0.50	0.56	A3

30°						30°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
51					AO	101	38687			-1.81	F2
52					A2	102	247814	9.68	0.47		B3 III
53					G5 V	103	247835	8.42	0.92	1.76	K2 III
54					GO	104					AO
55		10.52			F5	105		10.14	0.34	-0.11	B8 V
56					K5 V	106					G2
57	247259		-0.10		G3 IV	107		10.18	1.00	-0.23	A1
58			0.66		B8	108					A3
59	247285				KO V	109		11.22	0.57		B5 V:
60	247305				B8 III	110					G2
61	247324		-1.86		B3 V	111	247912	9.52	0.46		B2 I
62			0.90		A1	112				-0.17	AO
63		11.20	0.46	1.08	A2	113					B8
64	247379	9.42	1.46	1.45	K5 III	114		11.28	0.27	-0.09	B9 V
65					F6	115					AO
66					A5	116				0.26	A2
67					G5	117					F8
68	247418	10.18	0.69	0.06	FO	118	38852	8.76	0.16		B9 III
69	247440		-1.59		F5	119	247986	9.01	0.41	-0.50	A7
70					AO	120				0.48	AO
71					A5	121		9.52	2.21	0.34	G8 IV
72	247478	10.38	0.03	0.88	AO	122	248024			-0.65	B9 V
73	30° 1010	10.39	0.57	0.71	A1	123		11.70	0.28	-0.25	B8 V
74		11.75	0.14	0.58	AO	124	248050	10.06	0.47	0.19	A2
75	247477			0.70	AO	125				-0.46	A1
76					A1	126		11.25			B8 V
77					A2:	127					GO
78					K2 V	128		9.99	0.48		B9 III
79	247538	9.46	0.86	1.44	K5 V	129				-0.01	A1
80				0.73	A2	130		10.92	0.63	0.07	G2 V
81					A5	131		10.50	0.60	0.54	A5
82			0.86		B8:	132	38979				B5
83					B3 V	133		11.12	0.52	0.76	A2
84					AO	134		11.91	0.23	0.08	B9 V
85	247590	9.15	0.82	0.84	G8 IV	135		12.19	0.61	-0.12	A2
86				0.83	G5:	136		11.38	0.23	0.36	A2
87	38572				N	137				0.43	AO
88		11.97	1.16	-0.18	AO	138		10.45	0.92	0.82	G5 V
89		11.24	0.40	-0.70	A2	139		10.50	0.69	0.20	A1
90	38583	6.76	0.71	0.30	K3 III	140		10.07	0.62	0.82	G5 IV
91					A3	141		10.97			AO
92	247633		0.41		GO	142				1.41	GO V
93					B5	143	248321	9.18	0.55	-0.31	A5
94	247695	9.65	0.70	0.75	A3	144	248322	9.69	0.29	-0.06	F8
95	30° 1018			-0.48	A3	145	39077	8.89	0.31	-0.69	A3
96				1.04	G8 V	146				0.09	A2
97				-0.17	F8	147				0.31	GO
98		11.60			B9	148	39115				A5
99					A2	149	39116				GO
100	247772	11.97	1.68	-1.69	G5 III	150		11.26	1.41	0.16	A2

30°						30°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
151					B9	201		11.62	0.42	-0.13	B5
152		10.51			A0	202		11.58	0.22	0.82	A5
153	30°1035	10.29	1.53		F8	203	249139	10.10	0.04	-0.07	A0
154		10.48	0.78	0.97	G5 V	204	249153	10.23	0.59	0.44	G5 V
155					A1	205	249154				F5
156		9.95	1.04	0.70	G8 V	206		11.07	0.20	0.53	A2
157		9.96	0.72		F8	207	30°1060	10.57	0.38	0.22	F6
158	248472	9.61	1.06	0.88	G8 V	208	249240	9.97			B3 V
159		10.58	1.08	1.00	G8 V	209		11.32	0.29	-0.39	B3 V
160		10.46	0.32	-0.07	B9 V	210		10.94	0.08	0.39	B9 V
161		10.22	0.45	0.97	G0 IV	211	39906	9.40	0.02	-0.03	B9 V
162	30°1037				G0 V	212	39925	7.41	1.63	1.86	K5 I
163	248525	9.51	0.45		A5	213		11.10			B5 V
164				-0.67	A5	214		10.69			A2
165					F8	215		11.34	0.28		B5 V
166					G0	216	249417	10.23	0.18	-0.48	B3 V
167	248576				B9	217		11.19	0.25	0.20	B9 V
168				0.95	A1	218		11.56	1.06		A2
169		10.19	1.86	0.16	G5 IV	219		10.53	0.22	0.38	A0
170				0.40	A1	220	249496	10.31	0.60	1.06	G8 V
171		10.45	0.99		G5:	221		10.81	0.63	0.21	G2 I
172		11.19	0.40	0.60	A0	222		11.16	0.72	0.63	G5 I
173	39339	8.35	0.82	-0.84	G2 V	223	249544	9.61	0.96	1.29	K0 II
174		10.73	0.28	0.38	A2	224		11.52	0.80	-0.13	F2
175		11.09	1.62		K	225		11.28	0.22	-0.06	A0
176	248752	9.68	0.94	1.12	K5	226		11.16	1.04	0.26	F0
177	248751	9.64	0.22	-0.53	B3 V	227	249545	9.24	1.16	1.11	K7 II
178	248764				F2	228		10.18	0.23	0.33	F0
179					B8	229		11.58	0.46	0.24	A2
180		10.88	0.49	0.50	F6	230		10.95			B5 I
181					B8	231		10.97	0.33	0.21	A0
182					F6	232		10.76	1.94	-0.22	G8 II
183					B8	233	249627	10.34	0.38	0.49	A0
184	39477				B9	234		10.18	0.35	0.12	A3
185					A0	235	249649	9.60	1.06	1.55	K5 II
186	248875				G0	236	249648	9.77	0.37	1.72	G2 III
187	248874				B8	237		11.03	0.54	0.16	G2 I
188					B3	238		10.78	0.58	0.21	G2 V
189	248905	9.91	0.50	-0.24	B5 II	239	249695	9.18			B2 III
190	248904	10.06	0.34	0.01	A5	240		11.11	0.44	0.04	B9 III
191		9.92			B8 V	241		11.01	0.05	0.05	B9 I
192					G2 III	242	30°1073	10.75	0.41	0.30	A2
193	248981	8.82	1.10	-0.33	K5 III	243					B8
194	249004	9.24	0.66	1.20	G8 III	244	249748	9.75	0.43	0.06	F0
195		11.18			B5 V	245	40254	9.51	0.31	0.11	B8 II
196	249037	10.51	0.30	-0.22	B5 V	246		11.20	0.52	0.54	
197		10.73			A2	247		11.25			B9
198	39712	8.32	0.03	0.48	B3 V	248	249805	9.86	0.17	0.06	F5
199	30°1056	10.51	0.26	-0.13	B8 V	249		10.66	0.72	0.12	F2
200		11.09			B8	250		11.53	0.02	-0.20	B5 I

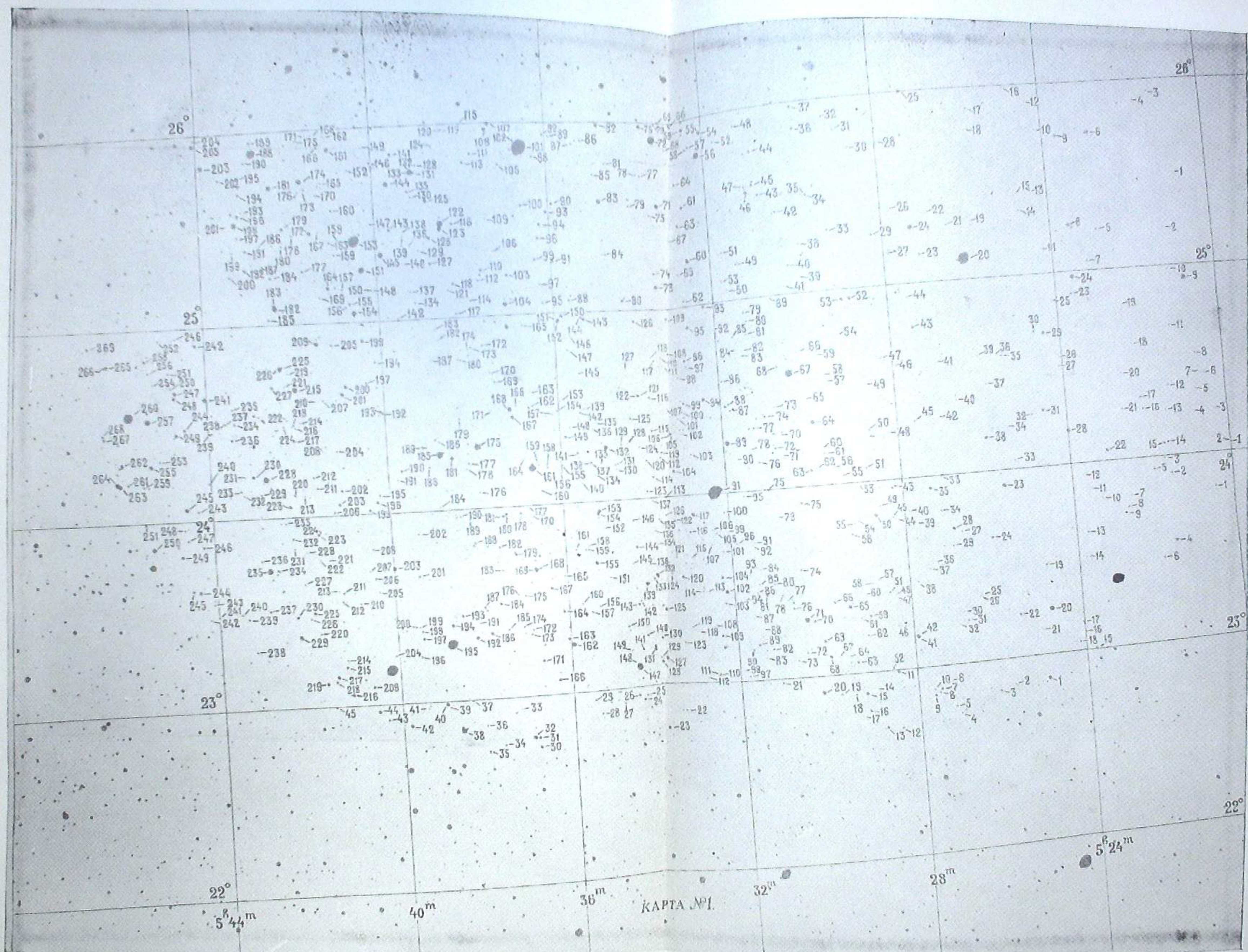
30°						30°, 31°					
No.	HD, HDE, BD	V	B-V	U-B	Sp	No.	HD, HDE, BD	V	B-V	U-B	Sp
251					A2	301	251114	9.09	0.62		G2 V
252	249962	9.27	0.35	-0.98	F2	302	251141	9.86	0.21		B9 V
253		10.92	0.09	1.01	A2	303	251250	9.89	0.52		F0
254	249985	9.45	0.14		B8 V	304	251273	9.57			K0 IV
255		10.97	0.10		F0	305		11.14	0.29		B9 V
256		10.81	0.46	0.62		306	251301	9.61			G2 V
257		11.62	0.03		B5	307	251329	9.95	0.41		F8
258		11.95	0.21		B5	308		11.14	0.75		F2
259		11.16	0.39	0.33	F2	309	251406	9.76	0.26		A0
260	250115	9.84	0.41	0.11	G3 III	310	41416	8.79	-0.20		B8 III
261		11.34	-0.08	0.34	A1	311		10.28	1.37		G5 V
262	250143	10.36	0.24	-0.16	B9 V	312	251614	11.15	-0.11		G8 IV
263	250148	10.43	-0.18	-0.19	B9 V	313		10.45	0.89		K2 V
264		10.47	0.05	0.15	A0	314		11.85	0.66		A0
265	250217	9.02	0.25	-0.09	F5	315	251711	9.50			A0
266	250238	9.61	0.25	-0.14	B8	316		10.49			F2
267	250239	10.03	1.31		G5 V	317		11.67			G8 V
268		11.12	0.23	0.11	A7	318		10.51			A0
269	250261	9.71	0.14	-0.32	A2	319					F2
270		11.64	0.43	0.12	B9 V	320					A0
271		10.70	0.14	0.18	F8	321		9.94			F8
272		11.57			B9 V	322					A0
273	250367	9.45	0.41	-0.30	F0	323	251940				A5
274	250405				B9	324	251965	10.63			G0 IV
275	250404	10.12	0.80	1.50	B5	325	41751	9.91	-0.80		K0 III
276					K2 IV	326	251990				K2 III
277				0.47	F8	327	41785				K0 III
278	250513	9.84	0.11	0.26	A5	328					A3
279		11.52	-0.11	0.41	F2	329	30°1123				A7
280	250568				A3	330					F2
281	250594	9.44	0.80	0.68	G8 IV	331	252149				G5 IV
282		10.59	0.24	0.01	A0	332	252228	10.89	-1.23		M0 III
283	250636	10.30	0.14	0.03	A2	333	252258				K2 IV
284	250637				F6 I	334	252281				A7
285		11.36	0.37	0.00	F2						
286		10.96	0.20	0.06	G2 IV						
287		11.46	0.01	0.36	A2						
288	250782	9.25	0.41	-0.25	G3 V						
289		10.76	0.09	0.26	A5						
290				-0.42	B2						
291	250811	9.38	0.89	1.80	K3 III	1					A0
292		10.39	0.94	1.10	K0 IV	2	247438				F2
293		10.90	0.09	0.28	A2	3	247455			1.46	G8 IV
294		10.14			G8 V	4	247439			0.80	G8 IV
295	250962				B8	5					B5
296	30°1096				B2 III	6				0.62	G0
297	250988	9.96	0.38		F5	7				0.63	G0
298	41163				B8	8	247676			-0.92	F0 III
299		10.11			B0 V	9					G0
300		12.06	-0.53		A0	10	247733			1.04	G8 V

31°

No.	HD, HDE, BD	V	B-V	U-B	Sp
11	247750			-0.64	F0
12	247771				F5
13	247873				A7
14				-0.22	B5 III
15					F6
16					B9
17					K2 V
18					A2
19	38909				B3 III:
20					A2:
21					G8 V
22	248149				M0 III
23					A3
24				0.51	G5:
25				0.44	F6
26				0.65	A2:
27	248267				A1
28	39046			-1.93	A1
29	248288			-0.31	F0
30				1.87	K2 IV
31					B9
32				0.43	F2
33				0.36	G5 V
34				0.62	A3
35				0.12	A2
36	39237				B5
37					A0
38					K0
39					A0
40				0.78	A0
41					A0
42				0.17	F2
43					G0
44					B5:
45					B8
46					A1
47					B8
48				0.37	F0:
49	248890				B5 III
50	248891				A0
51	248903				B0
52	248922				K0
53		9.79			K0 IV
54					K5 IV
55	31°1141	11.05			B8
56					B9
57					A5
58		1.68	1.21	-0.84	A2
59		10.67	0.20	0.43	F8
60	2492	10.26	0.71		B8 III

31°

No.	HD, HDE, BD	V	B-V	U-B	Sp
61		10.49	0.40	1.88	A2
62		10.41			A1
63	249439	9.38	0.69	0.73	G5 III
64	249457	9.43	0.87	1.14	K5 III
65		10.89	0.12		G0 V
66					F8
67	249767	11.14			B9 V
68	40314	8.28	0.20	-0.16	F5
69		11.56	0.27	-0.90	A5
70	250047	11.50	-1.61	0.40	K2 III
71	250048	10.40	1.71	-2.30	F5
72	250190	10.65	-0.17		B9 V
73	40588	6.42			A0:
74	40676	7.77	0.54		G5 III
75	250567	10.22	-0.02	-0.19	B8 V
76		10.28			A0
77	40893	10.01	0.26		B0
78	31°1173				G5
79		10.03	0.32		F0
80	250780				A2
81	250828				G2 V
82	250939	11.07			B8
83	250961	8.78			K0 IV
84	251272				F5
85					F0



28°

27°

26°

25°

24°

5' 30"

0 1/4 m

6 00 m

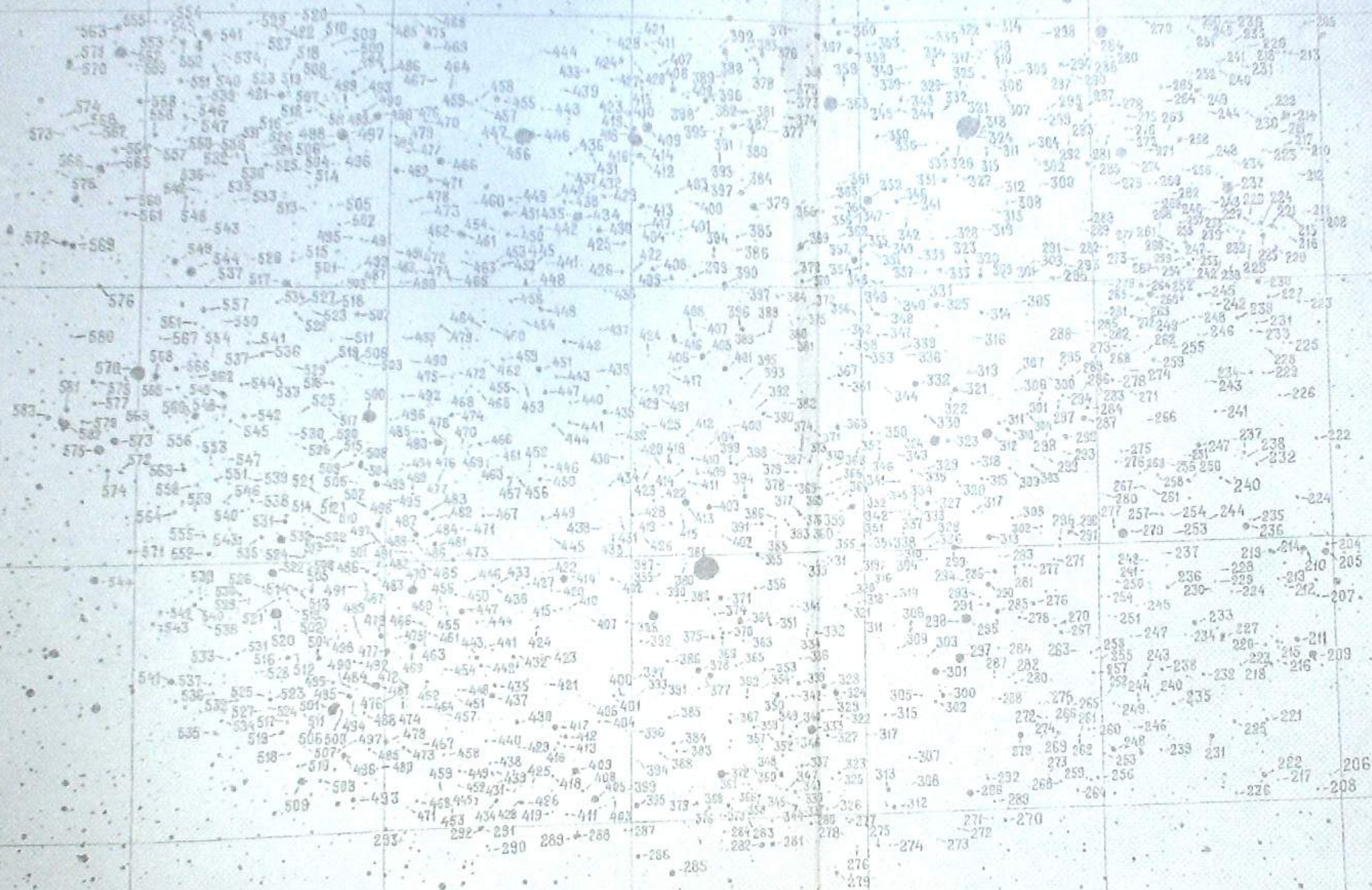
55 m

КАРТА №2

52 m

48 m

44 m



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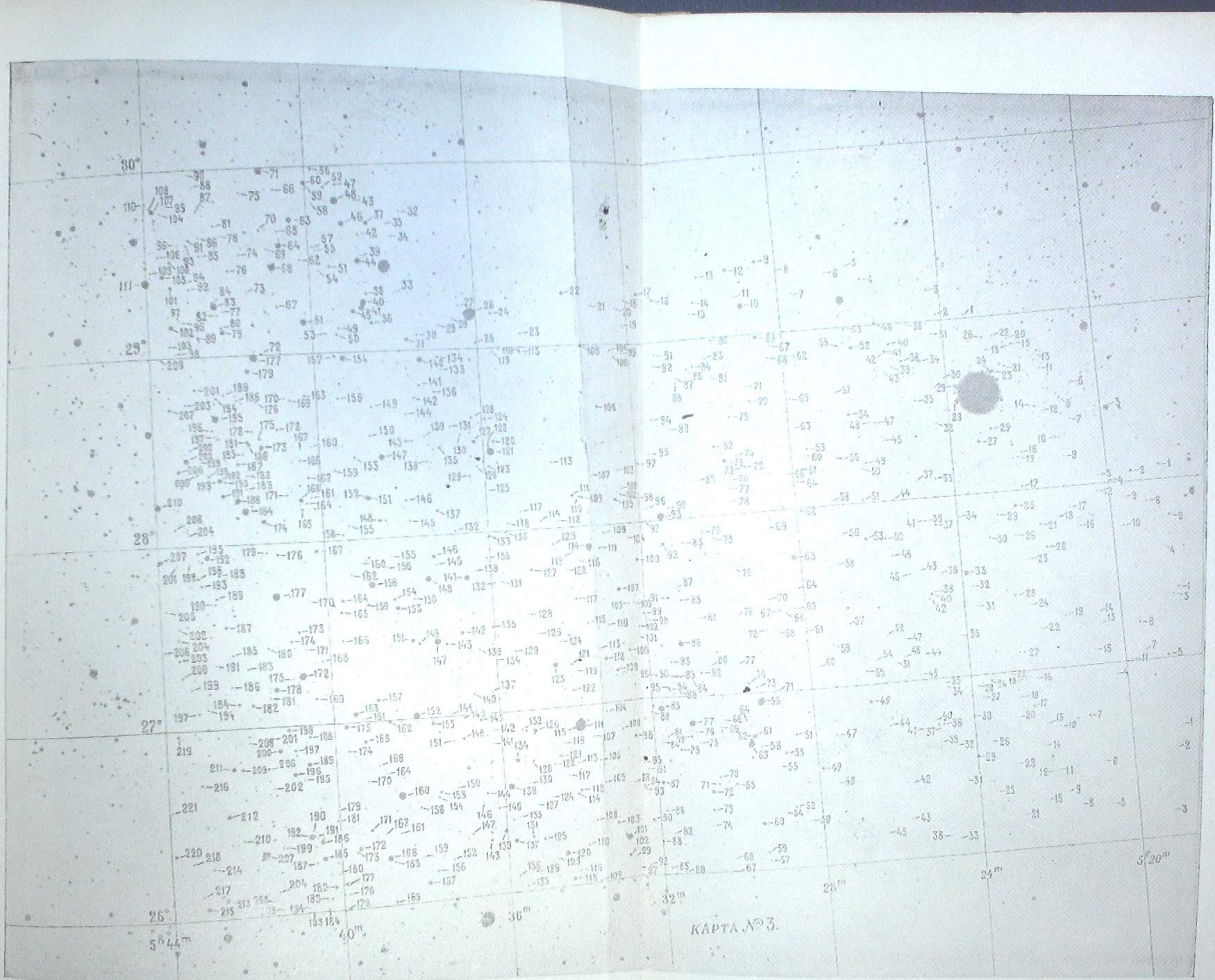
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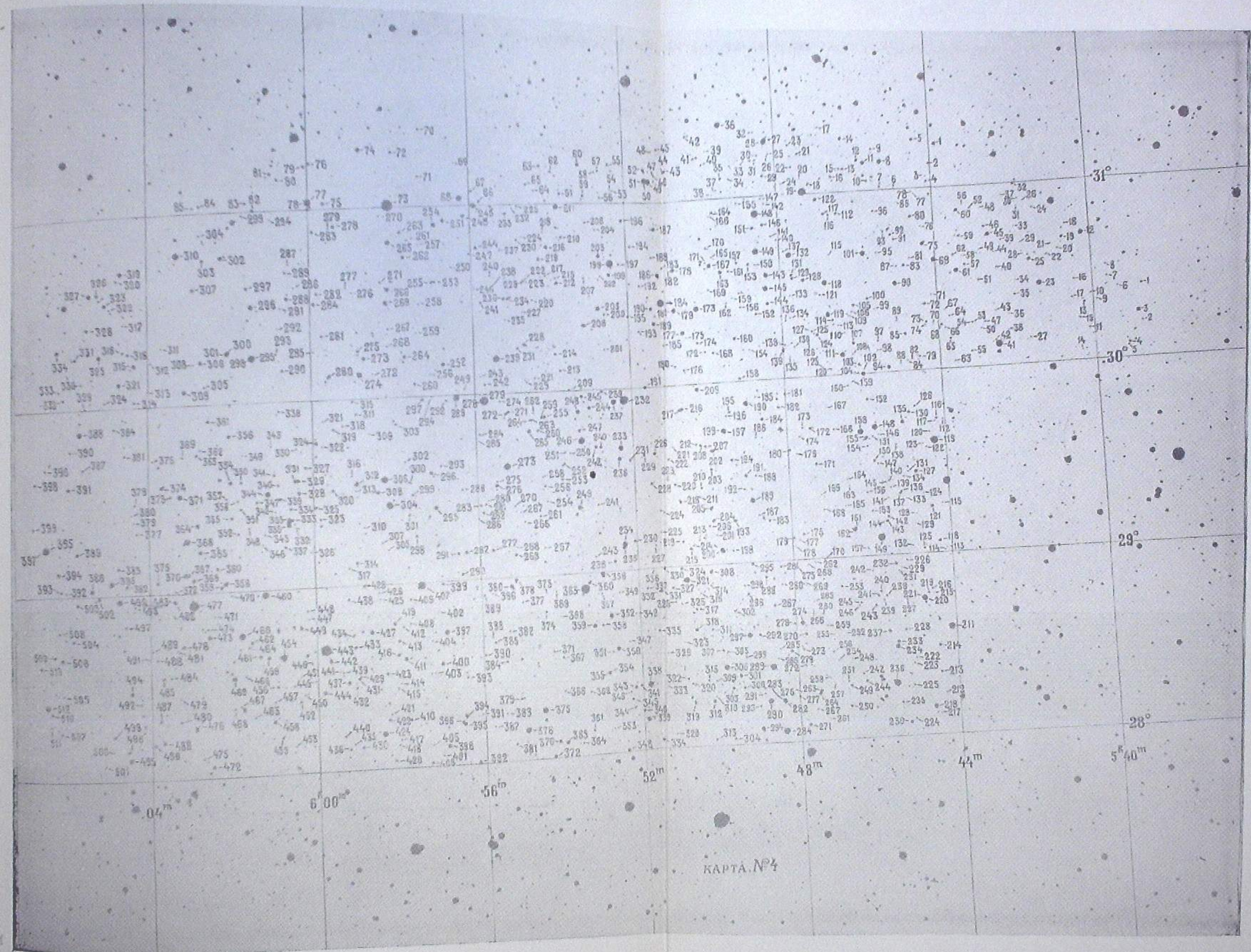
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დაიბეჭდა საქართველოს სსრ მეცნიერებათა აკადემიის
სარედ.-საგამომც. საბჭოს დადგენილებით

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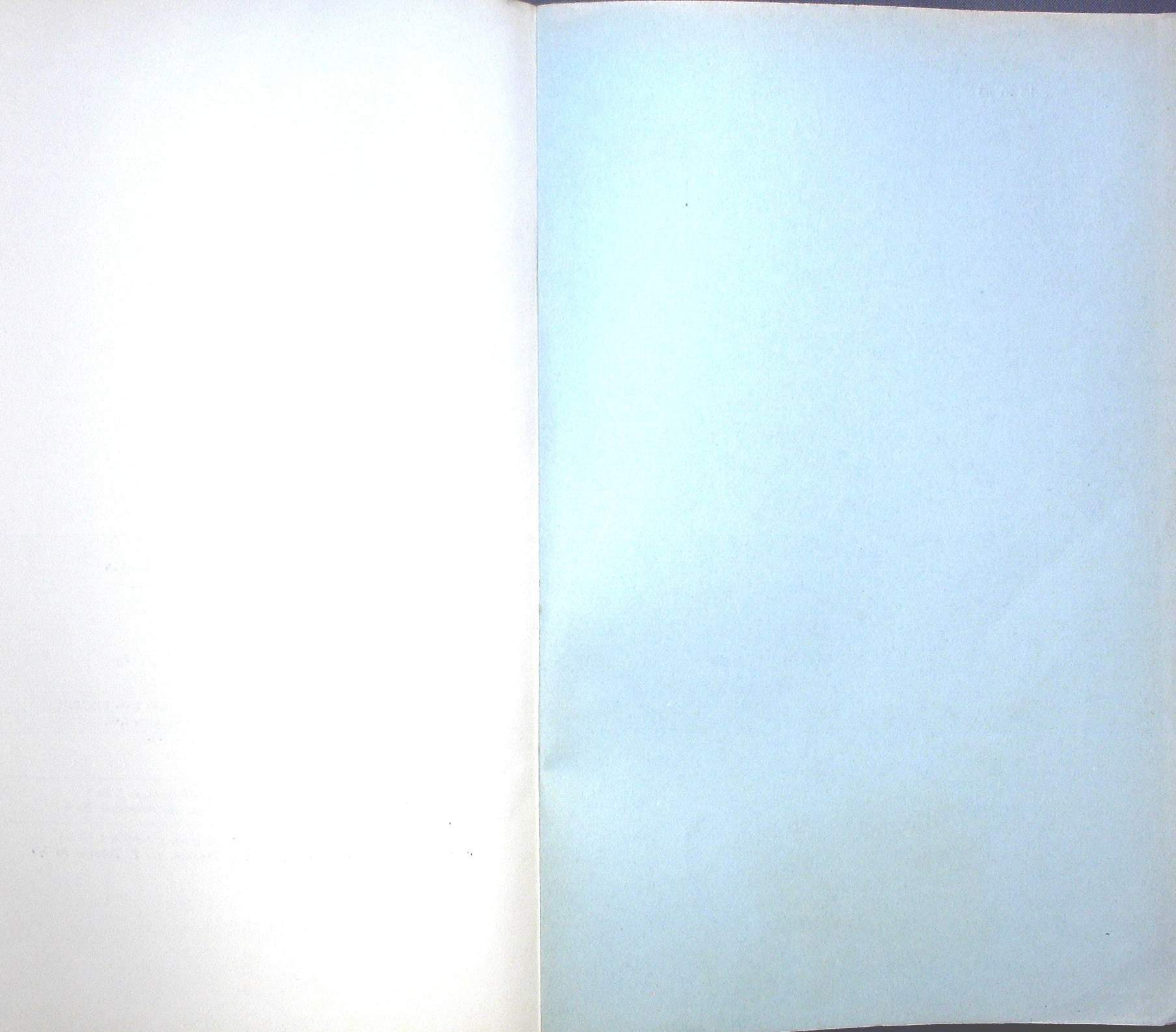
პ/მგ. რედაქტორი ე. ხარაძე

გამომცემლობის რედაქტორი დ. ბაქრაძე
ტექნორედაქტორი ნ. ბოკერია

ხელმოწერილია დასაბეჭდად 10.8.1964; ქალაქის ზომა 70×108^{1/16};
ნაბეჭდი თაბახი 12.25; სააღრიცხვო-საგამომცემლო 7,19;
უფ 02780; ტირაჟი 600; შეკვეთა 989;
ფასი 60 კაპ.

გამომცემლობა „მეცნიერება“, თბილისი, ძეგლიძის ქ. № 8
Издательство «Мецниереба», Тбилиси, ул. Дзержинского № 8

გამომცემლობა „მეცნიერების“ სტამბა, თბილისი, გ. ტაბიძის ქ. № 3/5
Типография Издательства «Мецниереба», Тбилиси, ул. Г. Табидзе № 3/5



ფასი 60 კაპ.

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