

KG
11365
915

AH

Alberta Hawes

KG 11365.915

Alberta Hawes 1922
Measures and estimates of widths
of A + B stars.

HARVARD COLLEGE OBSERVATORY

KQ 11365, 915



1^m 1/2 glass

Aug. 28, 1922 3

Plate No	Star	Type	Width H _δ H _γ	Wt 1-5	M	Remarks
X 4301 ✓	No 1 E Hydms	A ₁	2.0	2		MS ₁
" ✓	No 2 S Hydms	A ₂	1.3	1		faint MS ₁
X 4380 ✓	θ Eridani	A	1.1 1.2	4 4		MS ₁ S ₁ S ₁
X 4480 ✓	α Columbae	B-A B 8	1.2 1.3	4 4		S ₁
X 4475 ✓	No 2 X Eridani	A	1.0 1.0	3 3		~~slant~~
" ✓	No. 1 " "	A	1.1 1.0	3 2		slant
X 4467 ✓	β Pictoris	A-F	0.8	2		
X 4466 ✓	X Eridani ?	A	0.8	4		
X 4458 ✓	α Capricorni No. 1	A	2.0	1		v. faint
X 4454	1	A	0.8	4		
"	2	A	0.5	3		
"	3	A	0.6	3		
X 4452 ✓	S Hydri	A	1.0	3		
X 4441 ✓	α Sagittarii		1.0	4		

4

Plate No.	Star	Type	Width	wt	M	Remarks
X 4436 ✓	♂ Sagittarii	A	0.7	3		
X 4435 ✓	♂ Arae	A	1.0	4		
X 4411 ✓	♂ Sagittarii	A	0.7	3		
X 4410 ✓	♂ Sagittarii	A	0.8	4		
X 4397 ✓	♂ Pavonis	A	1.1	3		
X 4381 ✓	♂ Doradus	A	1.2	4		
X 4360 ✓	♂ Equus	A	1.0	4		
X 4335 ✓	♂ Eridani	A	1.1	3		
X 4334 ✓	♀ Eridani	A	1.2	3		
X 4332 ✓	♂ Phoenicis	B-A	1.3	3		
X 4339 ✓	♂ Scorpii	B	0.5	3		
X 4338 ✓	♂ Scorpii	B	0.9	2		
X 4406 ✓	♂ Sagittarii	B	0.9	3		
X 4405 ✓	♂ Sagittarii	B	1.0	3		

Plate No.	Star	Type	Width	Wt.	m	Remarks
X 4402 ✓	K Scorpii	B	1.0	4		
X 4401 ✓	θ Ophiuchi	B	0.9	3		
X 4416 ✓	No. 1 α 92 7904 λ Cen Maj	B	1.0	3		
" " ✓	No. 2 α 92 7914	B	1.1	3		
X 4440 ✓	No. 1 α Telescopii	B	0.6	4		
" ✓	No. 2 25 243	B	1.1	3		
" ✓	No. 3 25 255	B	1.1	3		
X 4468 ✓	β Pictoris	A	0.8	3		
X 4470 ✓	η Canis Majoris	B 0.6 B 0.7		3 4		
X 4597 ✓	α Caninae 1	A	0.7	4		
" ✓	" 2	A	0.7	4		
X 4595 ✓	No. 2 125 35	A	1.0	2		
X 4594 ? ✓	δ Velorum $9^h 4^m$	A	0.8?	1		v. faint
X 4591 ✓	α^1 Crucis	B	0.8	2		foggy
" ✓	α^2 Crucis	A	1.0?	1		v. faint

6

Plate No.	Star	Type	Width	Wt.	Remarks
X4539 ✓	No. 2	A	1.1	1	Swiss curving, hazy, ft.
X4538 ✓	No. 2	A	0.9	1	Hazy
X4515 ✓	No. 1 11900	A	1.0	4	
X4492 ✓	ρ Puppis	A	0.8	3	
X4486	No. 1 Cannot find plate	A	1.1	3	Hazy
X4485 ✓	τ^3 Eridani "	A ²	0.8	3	Hazy
X4484 ✓	α Sculptoris	A	0.6	2+	Hazy
X4598 ✓	ξ_1 Canis Maj.	B	0.7	3	
" ✓	ξ_2 Can. Maj.	A	1.1	3	
X4596 ✓	β Centauri	B	0.9	3	
X4532 ✓	β Orionis	B	0.5	3	
X4531 ✓	π^4 Orionis	B	0.5	3	
X4518 ✓	ω Can. Maj.	B	1.7	2	
X4516 ✓	No. 1 ϵ Carinae	B	1.0	4	

Plate No.	Star	Type	Width	Wt.	Remarks
X4516	✓ No. 2 12149	B	1.0	3	
"	✓ No. 3 12221 b ₁	B	1.1	3	
X4511	✓ α Can. Maj.	B	0.6	3	
X4503	✓ No. 1 α Velorum 11760	B	0.8	3	dark
"	✓ No. 2 11751	B	1.1	2	hazy
"	✓ No. 3 11733	B	1.2	2	
"	✓ No. 4 11817	B	1.0	3	
"	✓ No. 5 11814	B	1.0	3	
X4501	✓ No. 1 ψ Carinae	B	0.9	3	dark
"	✓ No. 2 δ Car ^{CPD} 52.1333	B	1.4	2	hazy
X4498	✓ α Eridani	B	0.9	3	
X4491	✓ β Can. Maj.	B	0.9	3	
X4488	✓ α Eridani	B	0.8	3	
X4518	✓ No. 1 9181	B	1.4	2	

8 Aug. 29, 1922

Plate No.	Star	Type	Width	Wt	Remarks
X4799 ✓	5 Cr. A.	A	1.4	4	
X4795 ✓	no. 13 Cr	A	0.7	4 ³	
" ✓	no. 2 8 Cr	B	0.8	3	
X4793 ✓	2 Hya	A ₂	1.2	2	
X4792 ✓	β Cha	A	1.0	4	
X4790 ✓	14 Car	A	1.0	5	
X4787 ✓	no. 1 T ₁ Sup.	B	0.6	3	
" ✓	no. 2 T ₂ Sup.	A	0.7	3	
" ✓	no. 3 19379	A	0.7	3	
" ✓	no. 4 19598	A	0.9	2	
X4786 ✓	ψ Cen	A	0.8	4	
X4784 ✓	0 Hya	A	0.8	4	✓
X4780 ✓	no. 2 ^α Cr A	A	1.0	3	✓
X4776 ✓	no. 1 20261	A	1.0	4	

Plate No.	Star	Type	Width	Wt.	Remarks
X4776	✓ No. 2 20847	A	1.0	4	
X4771	✓ A Cen	A	1.0	3	
X4768	✓ γ cir	A	0.5	1	Too narrow
X4764	✓ β Hya	A	0.7	4	
X4761	✓ No. 2 28539	A ²	1.0	2	
X4763	✓ β CrA	A	0.8	3	
X4762	✓ No. 2 15183 X ₂	A	1.0	3	
X4760	β_2 Sgr 19416 ^m ✓ No. 1 β_1 Sgr.	A	0.9	3	
"	✓ No. 2 β_2 Sgr.	A	0.9	3	
X4759	✓ No. 4 25944	A	1.0	2	
"	✓ No. 3 25895	A	1.0	3	
X4755	✓ No. 1 m Cen 17521	A	0.7	3	
"	✓ No. 2 17489	A	1.1	1	
X4748	✓ ϵ Cen	A	0.7	4	

Plate No.	Star	Type	Width	W.t.	Remarks
X4744 ✓	π Cen	B	1.0	1	Too narrow
X4735 ✓	ω Cen ^W 13 20.8 4657	A	1.3	1	
X4728 ✓	α Cen	A	0.5?	2	Too much superposed
X4727 ✓	No. 1 Vel 15048	A	0.9	4	
X4727 ✓	No. 2 14935	A	1.1	2	
X4722 ✓	α Sco	A	1.0	3	
X4704 ✓	γ Cen	A	0.8	1	Too narrow
X4797 ✓	γ Sco	A	0.8	3	
X4788 ✓	ρ Sup	B	0.8	3	
X4779 ✓	γ Sgr 25565		0.8	3	
X4777 ✓	No. 1 α Sup	B	0.9	3	-
" ✓	No. 2 21828	B	0.9	2	-
X4773 ✓	β Cen	B	0.7	3	-
X4772 ✓	No. 1 γ Cen	B	0.8	3	

Plate No.	Star	Type	Width	Wk.	Remarks
X4772 ✓	No. 2 16263	B-A?	0.8	2	
X4769 --	Sgr. 25565	B	0.9	3	
X4767 ✓	No. 1 ✓ Cen 19358	B	0.6	2	
" ✓	No. 2 19273	B	1.1	1-2	Hazy
" ✓	No. 3 19314	B?	0.9	1	v. fr.
X4750 ✓	No. 1 E Nor 19107	B	0.8	3	
X4749 ✓	1 X Cen 19107	B 0.8	0.8	2	
" ✓	No. 2 19057		0.9	1-2	
X4747 ✓	No. 1 S? Cen	B	0.7	3	
" ✓	No. 2 S, "	A?	1.1	2	Hazy
X4745 ✓	TCen	B	1.0	3	
X4734 ✓	fr Cen no. 1	B	0.8	2	
X4731 ✓	No. 1 G Lup	B	0.7	2	Too narrow
X4720 ✓	K Cen	B	0.9	3	

12

late No.	Star	Type	Width	Wrt.	Remarks
X 4719 ✓	No. 1 17234		0.9	2	
" ✓	No. 2 17149		1.1	2	
" ✓	No. 3		0.8	1	one line H β one line H δ
" ✓	No. 4 17320		0.9	1	✓ v. ft.
X 4712 ✓	J Cen.	B	0.8	1	Burned out
X 4708 ✓	ρ Cen	B	0.9	3	
X 4703 ✓	σ Cent	B	0.9	2	
X 4754 ✓	No. 2 15377	B ²	0.8	2	
X 4871 ✓	α Cen No. 1 19358	B	0.7	3	
" ✓	No. 2 19273	B ¹	1.3	2	Lt. and hazy
X 4870 ✓	γ Cen	B	1.0	2-	Hazy
X 4867 ✓	θ Ind	A	1.0	2+	fuzzy
X 4864 ✓	λ Tel	A	1.0	3	
X 4863 ✓	ν Pav	A	0.8	4	

Plate No.	Star	Type	Width	vr.	Remarks
X4855	✓ ε Juc	A	1.0	4	
X4850	✓ No. 1 20376	A	1.0	3	
"	✓ No. 2 20295	A	1.1	3	
X4849	✓ No. 1 X Cen 13 59.2	B	0.8	4	
"	✓ No. 2	A	0.9	2	
X4848	✓ J Cen.	B? 0.8		2	narrow, slanting
X4845	✓ ε cap no. 1	B	0.6	4	
"	✓ No. 2	B	0.8	1	
X4843	✓ No. 1 θ, Sag	B	0.8	3	
X4840	✓ ω oph	α	0.9	4	
X4818	✓ δ Snp	B	0.8	4	
X4817	✓ α Cen	B	0.9	4	
X4816	✓ φ Cen	B	0.8	4	
X4815	✓ J Cen	A	0.9	2	Hazy

14

Plate No.	Star	Type	Width	Wt.	Remarks
X 4814	✓ μ Cen	B	0.8	3	
X 4805	✓ δ Sup	B	0.8	3	
X 4804	✓ No. 1 δ Sup	B	0.8	4	
"	✓ No. 2 19597	A	1.0	1	v. fuzzy
X 4802	✓ No. 10 Cen 76 976	B	0.9	4	
"	✓ No. 2 16946	B	1.0	1	hazy
X 4898	✓ No. 2 23 633	A	1.0	2-	hazy
X 4897	✓ No. 1 δ Sup	B	0.8	3	
"	✓ No. 2 γ Sup	A	0.7	3	
"	✓ No. 3 21205 21206	B	0.7	3	
X 4892	✓ γ Cen	B	0.9	3	
X 4884	✓ ρ Sco	B	0.8	3	
X 4883	✓ No. 1 β Cir	a	0.8	3	
"	✓ No. 2 γ Cir		0.9	3	

Plate No.	star	Type	Width	Wt.	Remarks
X 4880 ✓	ε Dra	a	1.0	4	.
X 4878 ✓	²⁸¹⁴⁰ D' Pav No. 2	a	1.0	3	.
X 4819 ✓	ω Oph	a	1.1	2	.
X 4820 ✓	γ Oph	a	1.1	1	
X 4821 ✓	λ Pav	B	0.7	2	
Aug. 30					
X 4822 ✓	χ Sup	B	0.7	4	.
X 4823 ✓	Δ Nor	a	0.7	3	
X 4824 ✓	ξ Oph	a	0.7	3	
X 4828 ✓	no. 1 16451 θ ₁ Dra	a	0.7	3	
" ✓	no. 2 16479 θ ₂	B	0.8	3	.
" ✓	no. 3 16359	a	0.7	4	
" ✓	no. 4 16541	a	0.7	2	
" ✓	no. 5 16372	a	1.0	1	.
X 4829 ✓	γ Cen	a	0.8	1	Burned out

16

Plate no.	Star	Type	Width	Wit.	Remarks
X 4830 ✓	Keen	B	0.9	3	
X 4836 ✓	no. 1 17571	B	0.7	3	
" ✓	no. 2 17572	B	0.7	1	It. and hazy
X 4838 ✓	π Sup	B	0.8	2	
X 4999 ✓	no. 1 23633	A	1.0	2	
X 4984 ✓	no. 1 (β Juc)	A	0.9	1	Fainter star
" ✓	" β Juc	A	1.0	1	Br. star foggy
" ✓	no. 2	A	1.0	2	
X 4983 ✓	β Psc	A	0.9	2	
X 4982 ✓	δ Juc	A	1.0	3	
X 4972 ✓	β Psc	A	0.8	1	Little uncertain
X 4970 ✓	ε Psc	A	1.0	2	lines hazy, too wide
X 4960 ✓	No. 2 35557	A	0.9	3	
X 4959 ✓	no. 1 α Mic	A	1.0	3	

Plate No	Star	Type	Width	Wt	Remarks
X4959 ✓	No. 2 θ_2 Mic	A A	1.0 1.4	2	J. hazy
X4958 ✓	No. 1 δ^2 Sgr	a A ₀	1.0 1.3	3 4	π_{s1}
X4957 ✓	α CrA	a A ₂	0.9 1.1	4 4	π_{s1}
X4952 ✓	γ For	A A ₀	0.9 0.9	4 4	π_{s1}
X4951 ✓	η Phe No 1 (For No 2 see below)	A A ₁	1.0 1.1	3 3	Hazy on viol. side π_{s1}
X4950 ✓	β Sch	B	0.9	3	
X4947 ✓	ϵ Mic	A	0.8	3	hazy
X4930 ✓	θ Juc	a	0.9	1	Faint
X4927 ✓	η Cap	a	0.8	3	Slightly Hazy
X4912 ✓	δ Phe	A	0.9	3	
X4910 ✓	θ Psc	A	0.8	3	
X4907 ✓	ϕ Sgr	B	0.8	4	
X4901 ✓	α Ara	B	1.3	3	
X5093 ✓	α Sco	B	0.6	4	
X4951 ✓	No 2 633 δ Phoenix	A ₅	1.2	2	π_{s1} peculiar 4077 J. et al. 22/15

18

Plate no.	Star	Type	Width	Wx.	Remarks
X5091 ✓	β Scl	a	0.7	3	
X5090 ✓	b3 Agr	a	1.2	3	
X5088 ✓	b PsA	a	0.9	3	Hazy
X5083 ✓	b3 Agr	a	1.0	3	
X5079 ✓	No. 2 ~~Scl~~ 3057	A	0.9	3	
X5072 ✓	α Sgr.	A	0.9	4	
X5070 ✓	α Sco	B	0.7	4	
X5069 ✓	No. 1 E Sup 20806	β	0.7	4	
"	No. 2 20801	A	1.0	1	v. fr.
"	No. 3 20776	A	1.1	2	hazy
X5068 ✓	δ And	A	0.7	1	
X5066 ✓	No. 1 β Sgr.	A	0.7	4	
X5066 ✓	No. 1 26485	A	0.8	4	
X5060 ✓	σ Sgr.	B	0.8	4	

Plate No.	Star	Type	Width	Wk.	Remarks
X5057	✓ δ^s Eri	A	1.0	2	Luis Hagytur, violet
X5055	✓ δ Ser	A	1.0	3	
X5054	✓ η Juc	A	1.0	2	
X5052	✓ No. 18 Ara	A	1.0	4	
"	✓ No. 2 2375.5	A	0.9	2	
X5050	✓ No. 18 Sup. 20779	B	0.9	4	
"	✓ No. 3 20731	B	1.0	2	
"	✓ No. 4 20847	A	0.8	2	
X5031	✓ λ Pav	B	0.8	3	
X5025	✓ ϕ Eri	B	1.0	3	
X5007	✓ λ Rho	A	1.0	3	
X5006	✓ σ Rho	B	0.9	3	
X5004	✓ ϵ Rsa	A	1.0	3	
X5001	✓ 3 Sgr	A	0.6	3	

20

Plate No.	Star	Type	Width	Wt.	Remarks
X 5199 ✓	α Pav	B	0.8	3	
X 5198 ✓	ϵ Pav	A	1.0	4	
X 5195 ✓	No. 1 ν Sco	B	0.9	4	
" ✓	No. 2 λ Sco	B	0.8	2	
X 5185 ✓	δ Pav	B	0.9	3	
X 5183 ✓	τ Eri	B	1.0	2	hazy
X 5175 ✓	β Scl	A	1.0	3	
X 5158 ✓	No. 1	A	1.0	2	^{star} _{sup.} Br. star hazy
" ✓	No. 2	A	0.9	1	^{diffuse} _{no. 1} Fr. star hazy
" ✓	No. 3	A	1.0	1	Very hazy
X 5142 ✓	τ Eri	A	1.0	2	
X 5141 ✓	τ Eri	A	1.0	2	Line, hazy
X 5140 ✓	ω For	A	1.0	2	Hazy
X 5139 ✓	-Cet	A	1.0	2	Hazy

Plate No.	Star	Type	Width	Wt.	Remarks
X 5136	✓ no. 1 β Oct	a	0.7	2	• narrow
"	✓ no. 2 3 Oct 30980	a	1.0	1	• narrow, hazy
X 5133	✓ γ Tuc	a	1.0	2	• hazy
X 5128	✓ γ Phe	a	1.0	3	•
X 5127	✓ ϵ Phe	A ₂ , 1.0		2	hazy
X 5125	✓ β Oct	a	0.9	3	
X 5119	✓ δ Sco	B	0.7	4	•
X 5117	✓ δ Eri	a	1.0	4	
X 5116	✓ ϕ For	a	1.0	2	Hazy
X 5114	✓ δ Phe	B	0.9	4	
X 5109	✓ δ Lib	B	1.0	4	
X 5103	✓ no. 1 β Sgr.	B	0.5	4	
X 5101	✓ no. 1 γ Ari	B	0.8	3	
"	✓ no. 2 β Ari	A	0.7	3	

22

Plate no.	Star	Type	Width	Wt.	Remarks
X 5101 ✓	no. 3 20695	B ²	0.7	2	
X 5300 ✓	dscl	B-A	0.5	4	
X 5299 ✓	B ² Juc. no. 1	a	0.9	2	bc. no. 2 sup.
" ✓	B ² Juc. no. 2	A	0.9	1	Too ft. and hazy
" ✓	no. 3	A	0.8	1	Hazy
X 5296 ✓	no. 1	A	0.9	1	Narrow, hazy
" ✓	no. 2	A	0.8	1	Slant, narrow
X 5294 ✓	f Eri	A	1.3	3	Perhaps a combination of lines of both stars
X 5292 ✓	no. 1 E Hydus	a	0.9	4	
" ✓	no. 2 S Hydus	a	1.0	4	
X 5291 ✓	K Eri	B	0.7	4	
X 5290 ✓	-Cet	a	0.9	4	
X 5279 ✓	no. 1	B	0.9	2	
" ✓	no. 2	B ²	0.9	1	Too ft.

Plate No.	Star	Type	Width	W.R.	Remarks
X5276	✓ ϵ Phe	a	0.9	2	
X5274	✓ β Oct	a	0.7	3	
X5273	✓ α Lyn	B	1.0	4	
X5268	✓ α Pav	B	0.9	3-4	Too dim
X5266	✓ γ Eri	a	0.8	4	
X5252	✓ α Sch	B	0.7	3	
X5217	✓ ϵ Phe	a	0.9	3	
X5216	✓ β Sch	a	0.8	4	
X5211	✓ κ Eri	B	0.8	4	
X5208	✓ θ Dra	a	0.9	3	
X5206	✓ ϵ Sgr	a	0.8	3	Wide

N.B. - Nos. 4901-4999 Reused later

24 Aug. 31, 1922

Using 2" glass, and meas. wings

date	no.	Star	Type	Width	Wk.	Remarks
✓	X4970	6 ps A	-2	a 1.6 1.8	3 2	TS ₁
✓	X4982	8 Tuc	+2	a 1.6 1.4	3 4	TS ₁
✓	X4951	η Phe no. 1	+1	a 1.7 a ₁ 1.6	3 2	TS ₁
✓	X4951	no. 25 Phe	+2	Abn 1.8 a ₁ 1.6	3	Sr br. TS ₁
✓	X4959	No. 1 O'mic.	-1	a 1.4 a ₀ 1.5	3 4	TS ₁ Sr strong
"	"	No. 2	-1	a 1.9 a ₁ 2.0	2 3	TS ₁ - Jk.
✓	X4983	β B A	-4	a 1.3 1.7 1.4 1.4	3 3 3 4	TS ₁ TS ₁ TS ₁ TS ₂
✓	X4984	No. 1 β Tuc 34 β comp.	→	a 1.3 1.0	3 2	Br. star Jk. star
"	"	No. 2		a 1.5	3	
✓	X4999	No. 1 a.g.c. 23633	-3	a 1.4 a ₀ 1.7 1.6	3 4 4	TS ₁ TS ₁ A# ₂
✓	"	No. 2 d.eph. a.g.c. 23629	+2	F 0.8 0.6	4 4	" TS ₁
✓	X4997	η Sco	+1	B 0.9 B ₃ : 0.8	4 4	TS ₁
✓	X4972	β Oct	+3	a 1.5 1.2	2 1	TS ₁
✓	X4958	ε Sgr	-1	a 1.6 a ₀ 1.7	3 4	TS ₁

Plate No	Star	Type	Width	Wt	Remarks
✓ X4957	α CrA	a	1.4 1.4	4 3	TS.
✓ X4952	ν For	a	1.3 1.2	4 4	TS.
X4301	no. 1	a	1.8	3	
"	no. 2	a	1.6 1.5	1 1	TS.
✓ X4380	α Eri	a A3	1.7 1.8	4 4	Hazy TS.
X5395	✓ E Vol	a	1.0	3	
✓ X5394	✓ ϵ Scl	a	1.3	2-	
✓ X5393	✓ ϵ Tuc	a	1.4	3	
✓ X5389	✓ δ Pup	a	1.4	2	Burned out
✓ X5390	✓ δ Tuc	a	1.3	1	Burned out
✓ X5387	✓ δ Scl	a	1.3	2	Too br.
X5386	✓ -Phe 3195-5	a	2.0	1	unknown, Burned out.
X5385	✓ no. 1 p P2 a	a	1.5	1	Burned out
X5384	✓ no. 1 θ Mic	a	1.0	1	Harvard blank,

26

Plate No.	Star	Type	Width	Wt.	Remarks
X 5384 ✓	Q ₁ mic No 2. ~~Q₁ mic~~	a	1.2	1	Narrow & slanting
" ✓	No. 3 Q ₂ mic	a	1.2	1	" "
✓ X 5496 ✓	γ Dor	F	0.9	4	
✓ X 5486 ✓	- Sep nail	a	1.5	1	Narrow & Too br.
X 5479 ✓	no. 1 γ Dor	a	1.0	1	n.g. Narrow & Too br.
X 5469 ✓	γ Car	a	1.3	1	n.g. Burned out
✓ X 5468 ✓	no. 1 γ Pup	AS 210 392	B 0.9	2	Too br.
" ✓	no. 2	10 ⁵¹⁰ ~~392~~	B 1.5	3	
" ✓	No. 3	10 331	B 1.5	3	
✓ X 5462 ✓	No. 1 D Car	10678	B 1.3	1	Narrow, Burned out
" ✓	No. 2	10565	A 1.6	1	Narrow
" ✓	No. 3	10779	A 1.4	1	Too fr.
X 5459 ✓	γ Col	A	0.9	1	n.g. Burned out
✓ X 5458 ✓	- Sep	a	1.4	2	

Plate No.	Star	Type	Width	Wt.	Remarks
X 5451 ✓	η Vel	a	1.4	1	mg. Nucleus + Tail.
X 5447 ✓	No. 2 5315	a	1.7	3	
X 5445 ✓	No. 1 β , Tuc.	a	1.3	2	Br. comp.
" ✓	No. 1 β , Tuc	a	1.0	2	St. Comp.
" ✓	No. 2 467	a	1.4	2	Hazy
X 5441 ✓	No. 1	B	1.8	4	
" ✓	No. 2	Grues	B 1.3	4	
" ✓	No. 3		B 1.1 B 8 1.0	3 4	TS,
" ✓	No. 4		B 2.0	1	Fr.
" ✓	No. 5	29989	B 1.7	1	Fr.
" ✓	No. 6		B 1.5 A 2 1.6	1 2	2H, TS,
X 5440 ✓	No. 1	Grues	B 1.0 B 7 1.1	4 3	TS,
for nos. 4, 5, 6 see p. 42	No. 2		B 1.2 1.3	4 4	TS,
" ✓	No. 3		B 1.8 1.9	4 2	TS,

28

late no.	Stem	Type	Width	Unit	Remarks
✓ X 5437 ✓	No. 1 ✓ Pup 10534	A	1.8	1	Dammed out
" ✓	" 2 10605	A	1.4	3	
" ✓	" 3 10618	A	1.4	3	
✓ X 5435 ✓	d Col	A	1.3	1	Plate Foggy
✓ X 5433 ✓	d Car No. 1	B	1.1	2	
✓ X 5430 ✓	8 Pic	B	1.2	2	Foggy
✓ X 5429 ✓	No. 1 4286	A	1.5	1	Too narrow
"	^{out} No. 2 4256 g. Eri. Type K.	A	1.5	1	Too narrow
✓ X 5426 ✓	No. 1 ✓ For	A	1.2	1	Narrow + banded out
" ✓	No. 2	A?	1.0	2	Narrow
✓ X 5425 ✓	d Car	B	1.0	1	Foggy
^{no. 7d.} X 5424 ✓	No. 1 10025?	A	1.1	2	
✓ X 5421 ✓	8 Car	B	0.9	4	
✓ X 5420 ✓	8 For	B	0.9	2	

Plate No.	Star	Type	Width	Wt.	Remarks
✓ X 5417	✓ No. 1 K ₂ Vol	A	1.4	4	
"	✓ No. 2 K ₂ Vol	A	1.8	4	
✓ X 5410	✓ X Cas	A	0.9	1	Too narrow
✓ X 5403	✓ S Dor	Q	0.9	4	
✓ X 5401	✓ X Eri No. 1	a	1.0	3	Bright
"	✓ No. 2 4841	a	2.0	1	Too faint
X 5600	✓ p Cen	B	1.0	4	
X 5598	✓ No. 1 16309 a.g.c.	A	1.4	2	
"	✓ No. 2 β Hyd. a.g.c. 16217	A	1.1	4	
X 5597	✓ No. 1 δ Cen. 12 34.4	A	0.8	4	
"	✓ No. 2 17149	A	1.2	2	fr
X 5594	✓ No. 1 α Sgr.	B	0.9	4	
"	✓ No. 2 α ₂ Sgr.	A	1.3	3	
X 5593	✓ No. 2 α ₂ Sgr. 18968	B	1.0	3	

30

Plate No.	Star	Type	Width	W.R.	Remarks
X 5592 ✓	No. 1 E 2 Cen	B	0.7	3	
" ✓	No. 2 E 1 Cen	A	1.3	3	
X 5587 ✓	3 Sgr	A	1.1	4	
X 5584 ✓	o Hyd.	B	1.1	4	
X 5580 ✓	X Sup	A	1.1	4	
X 5579 ✓	o Sup	B	1.0	4	
X 5577 ✓	γ Mus	B	0.9	4	
X 5574 ✓	4 Vel. 12989	F	0.8	4	
X 5572 ✓	ε Nor	B	1.3	4	
X 5570 ✓	o Sup	B	1.2	4	
X 5565 ✓	No. 1 v Cen 19358	B	0.8	4	
" ✓	No. 2 19273	B	1.9	3	
X 5564 ✓	No. 1 α Cen	B	1.2	3	
" ✓	No. 2 "	A	1.5	2	narrow

Plate No.	Star	Type	Width	Wt.	Remarks
X 5563 ✓	No. 1 & Car	B B ₁	0.9 0.9	4 4	TS ₁
" ✓	No. 2	B B ₁	1.4 1.3 1.5	3 3	TS ₁ TS ₂
" ✓	No. 3	B B ₁	1.5 1.5	3 3	TS ₁
" ✓	No. 4	B B ₁	1.4 1.7	3 3	TS ₁
" ✓	No. 5	B A	1.6 1.7	2 1	TS ₁
" ✓	No. 6	B B ₁	1.8 1.9	2 1	TS ₁
"					
X 6168 ✓	η Cen	a a ₂	1.4 1.4	2 2	TS ₁
X 5541 ✓	α Cen	a	1.0	3	
X 5540 ✓	No. 1 K Cen.	B	0.9	3	
" ✓	No. 2 K Cen a.g.c. 18855	B	1.0	3	
X 5539 ✓	π Cen	a	1.3	2	
X 5537 ✓	μ Cen	a	1.3	3	
X 5507 ✓	λ Cen	B	0.8	4	

32

Plate no.	Sitar	Type	Width	Wt.	Remarks.
X 550 ³⁰ 7	✓ No. 1 A.G.C. 13077	B	1.1	3	
"	✓ No. 2 A.G.C. 13135	F	1.4	1	It. Sebright
X 5505	✓ No. 1 E.C.Ma	B	0.8	3	
"	✓ No. 2 E.C.Ma	C	1.2	3	
X 5981	✓ No. 1 Phe	A	1.5	4	
"	✓ No. 2 Phe	Apec.	1.5	3	Sebright

Sept. 1, 1922

✓ X 5383	✓ 6 Mic	A	1.2	1	Too narrow
✓ X 5382	E. green	X ₂	1.1	3	
✓ X 5381	✓ No. 1 y. green A.G.C. 29935	A	1.1	4	
"	✓ No. 2 29989	A	1.5	2	Fr.
✓	✓ No. 3 A.G.C. ³⁰⁰⁰⁴ ~~29989~~	A ₂	1.2	2	It.
✓ X 5380	✓ No. 1 β Pav. 28338 Agc.	A ₅	1.0	4	✓
"	✓ No. 2 β Pav. 28259 Agc.	B ₉	1.2	4	

Plate No	Star	Type	Width	Alt.	Remarks.
X 53 54 ✓	No. 24p 10546	a	1.0	1	Narrow, slanting
"	No 3	a	2.0	2	v. fr.
X 53 52 ✓	No. 2 a/c 5244	a	2.4	2	v. fr.
X 53 37 ✓	No. 2 a/c 8646	a	1.2	2	2 fr.
X 53 35 ✓	No. 2	F ₀	1.3	3	
X 53 30 ✓	No. 2 A9286 ⁴⁶	a	1.5	3	
"	No 4 A92859H	a	1.6	2	Fr.
✓ X 53 29 ✓	No. 1 ε Dor	B5	1.2	3	
"	No. 2 6852	a	1.3	3	
✓ X 53 26 ✓	No. 1 ~~10~~ For	B ₉	1.3	3	
✓ X 53 23 ✓	No. 1 ± Pup	a	1.1	3	
"	No. 2 a/c 9243	a	1.3	3	
✓ X 53 19 ✓	β Hor	a5	1.2	3	
✓ X 53 15 ✓	No. 3 A929226	a	1.5	1	Fr.
"	No 4 9258	a	1.7	1	Fr.
✓ X 53 10 ✓	ε Eri	a2	1.2	1	slant

Plate no.	Star	Type	Width	W.R.	Remarks
X 5305	✓ No. 1 λ Col.	B5	1.2	3	
	✓ No. 2 7026		2.4		Faint
	✓ No. 3 6871		2.3	2	Faint
X 5700	✓ No. 1 A.g.c. 23698 λ Sco	B	1.1	4	
	✓ No. 2 A.g.c. 23778 λ Sco	B	1.0	4	
X 5692	✓ No. 1 E Cap	B	0.6	4	
"	✓ No. 2 29544 5'	A	1.1	2	Fk.
X 5691	✓ η Ind	F	1.2	4	
X 5689	✓ γ Eri No. 1	B	1.0	4	
"	✓ No. 2 29989	A	1.8	3	Faint
X 5688	✓ α Pav.	B	1.0	4	
X 5687	✓ No. 1 β OSA	A	1.7	1	Burned out
"	✓ No. 2 36762	A	1.9	2	unseen
X 5684	✓ ϵ Cen	A	1.2	4	

Plate No.	Star	Type	Width	Wt.	Remarks
X5681	✓ E mic	a	2.0	3	
X5679	✓ No. 1 X Sco A.G.C. 23698	B	1.0	3	
"	✓ No. 2 X Sco A.G.C. 23778	B	1.1	4	
X5678	✓ P Sco	B	1.1	4	
X5677	✓ γ Sup	B	1.4	4	
X5675	✓ No. 1 A.G.C. 28140 P Pav	F	1.1	3	
X5674	✓ hfgu	a	1.7	1	v ft.
X5673	✓ V Pav. No. 1	B	1.4	3	
"	✓ No. 2 25002	a	1.9	1	V. faint
X5665	✓ σ Sup	B	1.0	4	
X5664	✓ σ Sup	B	1.1	3	
X5663	✓ β Cen	B	1.0	3	similar
X5661	? faint - not identified	a	1.3	4	
X5660	✓ - Squ	a	1.3	1	

36

Plate No.	Star	Type Width	Wk.	Remarks
X 5657 ✓	no. 1 π Sco	B 1.5	3	
" ✓	no. 2 21567	A? 2.0	1	v. fr.
X 5654 ✓	no. 18676 i Cen	F 1.0	4	
X 5653 ✓	ϵ Ps A	a 1.5	1	
X 5652 ✓	no. 1 X Cen	B 1.0	3	
" ✓	no. 2 19057	B 1.5	1	v. fr. 15000?
X 5651 ✓	no. 1 1858749c 2 Cen	a 1.9	1	Too fr.
" ✓	no. 2 a.g.c. 18585i	a 1.9	1	Too fr.
X 5643 ✓	no. 1 K Sup. a.g.c. 20861.	a 1.3	4	-
" ✓	no. 2 a.g.c. 20847.	a 1.3	3	str. strong?
" ✓	no. 3 a.g.c. 20787.	a 1.7	2	v. faint - strong?
" ✓	no. 4 a.g.c. 20959	F? 1.2	2	2x.
" ✓	no. 5 a.g.c. 20856	a 2.0:	1	Too faint
X 5637 ✓	λ Pav.	B 1.1	2	

Plate No.	Star	Type	Width	Alt.	Remarks
X5634 ✓	ϕ Cen	B	0.9	4	
X5633 ✓	γ Cen no. 2.	B	1.1	4	
X5632 ✓	No. 1 d. Wph.	F	1.0	4	
" ✓	No. 2 23633	G?	1.7	2	Fk.
X5629 ✓	η Cen No. 1	B	0.8	1	Narrow + blurred at
X5628 ✓	β Cen	B	1.0	4	
X5626 ✓	γ Tr A No. 1	a	1.1	2	
X5623 ✓	η Sco No. 1	B	1.3	1	Too hazy
X5622 ✓	γ Cen	B	1.5	1	Hazy
X5620 ✓	κ Cen	B	1.2	1	Hazy
X5619 ✓	No. 1 η Cen	B	1.1	4	
X5617 ✓	ϵ Wph	a	1.6	2-	Hazy
X5616 ✓	θ Sco	a	1.4	1	
X5615 ✓	τ Lib	B	1.3	3	

Plate No.	Star	Type	Width	Wt	Remarks
X 5613 ✓	b Cen	B	1.0	3	
X 5612 ✓	no. 1 a.g.c. 19354 i sup	B	1.0	4	
" ✓	no. 2 a.g.c. 19379	a	1.3	3	
X 5608 ✓	no. 1 S ara	B	1.2	4	
" ✓	no. 2 a.g.c. 23972	B	1.4	3	
X 5607 ✓	β Cha	B	1.1	1	
X 5604 ✓	no. 1 a.g.c. 19598	a	1.5	3	
" ✓	no. 2 a.g.c. 19540	F	1.5	1	
" ✓	no. 3 J ₁	F	1.0	3	
" ✓	no. 3 J ₂	B	1.0	3	
" ✓	no. 4 19379	F	1.2	3	
X 5603 ✓	no. 1 γ Cen	B	1.2	4	
X 5601 ✓	no. 1 k Cen	B	1.0	2 ¹	2 stairs up?
" ✓	no. 2 h Cen	B	1.1	4	

Plate No.	Star	Type	Width	Wt.	Remarks
✓ X5797	✓ No. 1 E Pav. B.G.C. 27225	A	1.5	4	✓
"	✓ No. 2 a.g.c. 26980	B3	1.5	3	
✓ X5796	✓ No. 1 p. Sgr.	A	0.8	2	
"	✓ No. 2 a.g.c. 24850	A	0.9	2	Sr. strong?
"	✓ No. 3 a.g.c. 24854	A	1.0	2	St. Sr. strong
✓ X5795	✓ α Ara	B	2.0	4	Faint br.
✓ X5790	✓ No. 1 a.g.c. 30814	A	1.3	2	
✓	✓ No. 2 a.g.c. 30805	A	1.2	2	
September 2, 1922					
✓ X5789	✓ α Ps A.	A	1.4	2	
✓ X5785	✓ φ Sgr.	B	1.1	4	
✓ X5783	✓ σ Phe	B	1.2	4	
✓ X5782	✓ β Acr	A	1.0	4	
✓ X5780	✓ - Sgr. a.g.c. 25565	B	1.3	4	
✓ X5776	✓ No. 1 p. Sco	B	1.0	4	
"	✓ No. 2 A1 Sco	B	1.5	4	

40

Plate No	Star	Type	Width	Wt	Remarks
✓ X 5766	✓ 2 Sgr.	B	1.4	3	
✓ X 5765	✓ 5 Sgr	B	1.1	4	✓
✓ X 5761	✓ 15 Sgr	a	1.5	3	
✓ X 5759	✓ 11 Cen	B	0.5	4	
X 5757	✓ 2 Lyn.	B	1.3	4	
		B _p ?	1.5	4	TS ₁
			1.3	4	TAH ₂
✓ X 5756	✓ 1 J el	a	1.4	4	
		a ₁	1.3	3	TS ₁
✓ X 5755	✓ No. 1 2 J el	B	1.0	4	
		B	1.2	3	TS ₁
"	✓ No. 4 a.g.c. 25243	B	1.2	2	
		B _p	1.3	3	TS ₁
"	✓ No. 3 a.g.c. 25255	B	1.0	3	
		B _p	1.1	3	TS ₁
✓ X 5754	✓ 15 Sco	B	0.9	7	
		B	1.1	4	TS ₁
X 5740	✓ 8 Sgr.	a	1.1	4	
		a ₂	1.0	4	TS ₁
✓ X 5735	✓ No. 1 0' Mic	a _p	1.2	2	18 in. ?
		a ₁	1.2	3	TS ₁ S ₂ + br.
"	✓ No. 2 0' Mic	a _p	1.3	2	
		a ₂	1.3	3	TS ₁
✓ X 5722	✓ 0 oph	B	1.0	1	Burned out

Plate No.	Star	Type	Width	Wk.	Remarks
✓ X 5734	✓ No. 4 28216	a_1 a_0	1.7 1.8	2 1-2	v.f.f. TTS ₁
	* See next page for Nos. 1-3				
✓ X 5733	✓ No. 1 3 Cr a	a_1	1.4 2.0 1.7	3 2	TTS ₁ TAH ₂
"	✓ No. 2 26000	a_1 a_2	1.7 2.0 2.0	2 2 2	Faint TTS ₁ TAH ₂
X 5726	✓ α Ps A	a_1 a_3	1.2 1.2	2 1	Too br. TTS ₁ Too strong
✓ X 5725	✓ No. 1 2nd a.g.e. 29216	A	1.0	1	
"	✓ No. 2 a.g.e. 29117	A	1.1	1	
✓ X 5717	✓ No. 1 β_2 Sgr	β_2 β_0 ?	1.0 1.0	4 4	TTS ₁
"	✓ No. 2 β_1 Sgr	β_1 β_9	1.2 1.3	4 4	TTS ₁
✓ X 5715	✓ θ Ara	β_2 to β_1 β_1	1.0 1.0	3 3	Fuzzy TTS ₁
✓ X 5710	✓ No. 1 μ_1 Sco?	B	1.9?	3	Just stars Double lines
"	✓ No. 2 μ_2 Sco	B B	1.0 0.9	4 4	TTS ₁
"	✓ No. 3 22744	a_1 a_2	1.6 1.8	2 2	v. faint TTS ₁
✓ X 5709	✓ σ Sco	B B	0.9 0.9	4 3	
✓ X 5708	✓ δ Sco	B B	0.8 0.8	4 4	TTS ₁

42

Plate No.	Star	Type	Width	Wt.	Remarks
✓ X 5704 ✓	β^1	a	1.2	3	Per. Comp.
✓ " ✓	β^2	a	1.0	3	
" ✓	No. 3 467	a	1.4	3	
		+1 a ₂	1.3	3	πS_1
✓ X 5702 ✓	δ Tuc	a	1.4	3	
		-3 a ₁	1.7	4	πS_1
X 4301	No. 1	A	2.0 2.3 2.0	3 3 3	πS_1 πS_2
"	No. 2	A	1.7 1.8	2 1	πS_1 v faint
✓ X 4380	δ Eri	a	1.4	4	
		$\frac{1}{-0.75}$ ± 1.0			
X 5734 ✓	No. 1 p Par.	a ₉ a ₁	0.9 1.0	2 3	πS_1 $\pi A H_1$
" ✓	No. 2 q. Par	F ₄ F ₇	0.7 0.8	2 3	πS_1 $\pi A H_1$
" ✓	No. 3 q ₂ Par	a ₈ a ₇	1.0 1.1	2 3	πS_1 $\pi A H_1$
X 5440 ✓	No. 4	a	1.6	2	Faint
" ✓	No. 5	a	1.8	2	F.
" ✓	No. 6	a	2.1	2	v faint
✓ X 5899 ✓	No. 1 η Lup 21653	B	1.0	3	
" ✓	No. 2 21728	B	1.2	3	

Plate No.	Star	Type	Width	Wt.	Remarks
✓ X 5898 ✓	no. 1 β Cir. a.g.c. 20668	A	1.4	2	Too br.
✓ " ✓	no. 2 a.g.c. 20785 γ Cir.	F	1.1	2	Too br.
✓ X 5897 ✓	no. 1 α Cen	B	1.2	3	Br.
" ✓	no. 2 19537	B ^c	1.8	2	Ft.
✓ X 5895 ✓	β Sch no. 1	B	1.3	3	
" ✓	no. 2 32417	A	1.6	2	Ft.
✓ X 5894 ✓	ϵ Phe	A	1.6	3	sr. star?
✓ X 5891 ✓	no. 1 a.g.c. 28259 δ Pav	A	1.2	3	
✓ " ✓	no. 2 a.g.c. 28338 β Pav	F	1.0	3	
✓ X 5886 ✓	no. 1 κ Cen	B	1.0	4	
" ✓	no. 2 β Sup	B	1.0	4	
✓ X 5885 ✓	β Sup.	B	1.0	4	
✓ X 5881 ✓	β Os $\frac{1}{2}$	A	1.6	2	Lines hazy.
✓ X 5878 ✓	no. 1 η Sgr. a.g.c. 26243	A	1.5	2	hazy
✓ " ✓	no. 2 η Sgr. a.g.c. 26227	F	1.3	2	hazy

44

Sept. 4. 1922

Plate no.	Star	Type	Width	Wt.	Remarks
✓ X 5875 ✓	β Tra	a9	1.0	4	
✓ X 5874 ✓	β Sup	B	0.9	4	
✓ X 5873 ✓	β Sup	B	0.8	2-	Too narrow
✓ X 5866 ✓	γ Jac	F	1.0	4	
✓ X 5863 ✓	No. 1 a.g.c. 21810 α Sup	B	1.3	3	
" ✓	No. 2 a.g.c. 21815 ²	F	1.2	2	Fk.
" ✓	No. 3 a.g.c. 21847	a ²	1.6	2	v. fl.
✓ X 5861 ✓	γ Sup	B	0.7	4	
✓ X 5856 ✓	α For	a _p	1.5	3	Foggy
✓ X 5854 ✓	γ Eri	B	1.7	3	
✓ X 5853 ✓	α Hyd 1 ^h 55.6	a _r	1.2	3	
✓ X 5849 ✓	α PSA	a	1.6	3	Hazy
✓ X 5848 ✓	ν For	a	1.3	3	Sa. strong
✓ X 5841 ✓	η Phe	a	1.9	4	

Plate No.	Star	Type	Width	Wt.	Remarks
✓ X 5840 ✓	β Scl	a	1.0	2	
✓ X 5835 ✓	ω For	a	1.3	3	
✓ X 5833 ✓	δ_3 aqr.	a	1.4	3-	
✓ X 5832 ✓	ϵ gru	a	1.2	4	
✓ X 5831 ✓	ϵ Ps A	B	1.4	4	
✓ X 5826 ✓	α Scl.	B	1.2	3	Foggy
✓ X 5814 ✓	No. 1 a.g. C. 32307	F	1.8	3	
✓ " ✓	No. 2 η Tuc. a.g. C. 32311	a	1.7	3	
✓ X 5810 ✓	No. 1 ψ Cap	F	1.0	4	
" ✓	No. 2 28539	a ₃	1.4	2	Faint
✓ X 5809 ✓	No. 1 β Sgr	B	1.5	3	
" ✓	No. 2	F	1.3	B	
✓ X 5989 ✓	δ Dor	F	1.0	3	
✓ X 5988 ✓	γ Tuc	F	0.8	4	

46

Plate No.	Star	Type	Width	Est. Wt.	Remarks
✓ X 5983 ✓	SEri	a	1.2 m 1.3	m m	3- narrow 3 narrow T A H ₂
✓ X 5982 ✓	SEri	a	1.3 m	m m	3- narrow
✓ X 5981 ✓	η Phe No. 1	a	1.6 m	m m	9
✓ " ✓	No. 2 SE Phe	asp.	1.6 m	m m	2 It. S. strong
✓ X 5979 ✓	-Phe A.G.C. 31955	a	1.3 m	m m	3-
✓ X 5978 ✓	-Phe A.G.C. 31955	a	1.4 m	m m	3
✓ X 5976 ✓	Ty Eri	a	1.2 m	m m	4
✓ X 4901	α Ara	B	1.9 m 1.9	W W	3 Fuzzy F line br. 3 Fuzzy, T A H ₂
✓ X 4907	φ Sgr.	B	1.0 m	m m	4
✓ X 4910	θ Ps A.	a	1.5 m 1.5	mt m	2 Hazy Focus? 2 Hazy T A H ₂
✓ X 4912	ε Phe A.G.C. 31906	a	1.4 m	m m	3 Hazy S. strong
✓ X 4927	η Cap	a	1.5 m 1.3	m m	3 T A H ₂
✓ X 4930	θ Tuc. A.G.C. 491	a	1.5 m 1.6	mt m	2 v. faint 2 v. fr. T A H ₂
✓ X 4947	ε Mic	a	1.3 m 1.5	m m	3 3 T A H ₂

Plate No.	Star	Type	Width	Wk.	Remarks
✓ X 4950	3 Scl no. 1	B	1.3 η 1.3	m m 3	fuzzy HAH2
"	No. 2	a	1.9 w 1.8	w w 2	v. fr. π HAH2
✓ X 5975	✓ J5 Eri	B	1.4 m	m m 2	Too br.
✓ X 5974	✓ S Eri	a	1.3 m	$m+$ $m+$ 2	Too br.
✓ X 5968	✓ no. 1 S Eri	a	1.3 m	m $m-$ 2	Too narrow, 1, 2, 3, 4 same star?
✓ X 5965	✓ 3 Scl. a.g.c. 32389	A	1.4 m	$m+$ $m-$ 2	Same star in diff exp.
"	✓ no. 2 a.g.c. 32415	a	1.4 m	m m 2	Ft.
"	✓ no. 3 a.g.c. 32411	a	1.3 m	m m 2	Ft.
✓ X 5961	✓ 8 Cas	B	1.0 η	m m 2	Too br.
✓ X 5958	✓ S Eri	a	1.4 m	m $m-$ 2	very hazy
✓ X 5956	✓ no. 1 η Tuc. a.g.c. 32311	a	1.7 w 1.8	w $m+$ 2 3	Hazy, bright π HAH2
✓ "	✓ no. 2 a.g.c. 32307	a	1.7 w 1.9	w w 2 3	Edge + hazy π HAH2
✓ X 5955	✓ no. 1 β Scl	a	1.0 m 1.1	m $m-$ 4 4	π HAH2
✓ X 5952	✓ β Hor	a	1.3 m	m m 2	

48

Plate No.	Star	Type	Width	Wp.	Remarks
✓ X 5951 ✓	No. 1 ^s Hyd?	a	1.7 1.8	w m+	3 4 Bright TAH ₂
" ✓	No. 2 ^s Hyd	a	1.8 1.8	w w	4 4 TAH ₂
✓ X 5950 ✓	Ker	B	1.2 1.3	m m-	4 4 TAH ₂
✓ X 5943 ✓	8 Hyd	a	1.3 1.4	m m-	4 4 TAH ₂
✓ X 5941 ✓	1/2 Phe	B	1.1	m m	3
✓ X 5931 ✓	No. 1 1/2 CrA	a	1.7 1.6	m m	2 3 TAH ₂
" ✓	No. 2 26000		1.8 1.7	w w-	3 3 TAH ₂
✓ X* 5930 ✓	No. 1 p Sgr. a.g.c. 24812	B8	0.7	m, m m	4
✓ " ✓	No. 2 a.g.c. 24850	B	1.0	m m	3 S. strong
" ✓	No. 3 a.g.c. 24854	B	1.1	m m	2 v. ft. S. strong
✓ X 5927 ✓	No. 1 K Ret.	a	0.9	m m	4
" ✓	No. 2 4805	a	2.0	w w	2 v. ft.
✓ X 5924 ✓	No. 1 η Cap	a	1.6	m m	2 F. br.
✓ X 5919 ✓	α Col.		1.5 1.3	m m-	1 3 F. br.
X 5905 ✓	8 Scp	a	1.4	w	3 v. ft. F. br.

Plate No.	Star	Type	Width	Wt.	Remarks
✓ X 5913 ✓	w oph	a	1.1 1.1	m m+	3 3 HAZ Hazy
✓ X 5910 ✓	X Sup.	a	1.0	m m	4
✓ X 5907 ✓	X ohe	a	1.5	m m	3- Hazy
✓ X 5906 ✓	ε Tuc	a	1.6	m m	2- Bright, Bad focus?
✓ X 5903 ✓	m. 1 & Ind	a	1.2 1.2	m+ m	3 3 HAZ
✓ " ✓	m. 2 a.g.c. 29117	a	1.2 1.2	m- m-	2 3 Hazy HAZ
✓ X 5902 ✓	no. 1 p. star	γ	0.9	m m	32 Hazy
" ✓	no. 2 a.g.c. 28216	a	1.3 1.3	m m-	2 2 ft. HAZ
✓ X 6200 ✓	No. 1 f Car	B	1.0		3
" ✓	No. 2 12125	a	2.5		2 Very faint
✓ X 6199 ✓	No. 1 a.g.c. 11770 x Vel	A	1.2		4
" ✓	No. 2 a.g.c. 11797	B	1.2		3
" ✓	No. 3 a.g.c. 11771	B	1.4		3 faint
✓ X 6197 ✓	α Pic	a	1.1		3

50

Plate No.	Star	Type	Width	Wx	Remarks
✓ X 6193	✓ No. 1 Te Eri a.g.c. 4191	F	0.6	3	
✓ "	✓ No. 2 a.g.c. 4208 Te Eri	A	2.2	2	v. ft.
✓ X 6191	✓ No. 1 d Car 11790	B	0.8	3	
"	✓ No. 2 11777	a	1.2	3	Faint
"	✓ No. 3 11759	a	2.0	3	v. faint
"	✓ No. 4 11910	a	1.5	3	Faint
✓ X 6186	✓ No. 1 β Car	F	1.0	4	
"	✓ No. 2 5315	a	2.1	3	Faint
✓ X 6185	✓ β Hor	a	1.2	3	Hazy
✓ X 6184	✓ Eri	B	1.1	2	Black
X 6183	not identified	B	1.4	3	Star unident.
✓ X 6182	✓ No. 1 Pup a.g.c. 10534	B	1.8 1.6	3 4	11 A H ₂
✓	✓ No. 2 a.g.c. 10605	a	1.9 1.9	3 3	11 A H ₂
✓	✓ No. 3 a.g.c. 10618	a	1.1 1.0	3 3	11 A H ₂

Plate No.	Star	Type	Width	Wk.	Remarks.
X 6182 ✓	No. 4 A.G.C. 10510	B	1.4 1.6	3 3	Ft. H ₂
" ✓	No. 5 A.G.C. 10558	B	1.2 1.3	2 3	v. fr. H ₂
" ✓	No. 6 A.G.C. 10693	B	1.4 1.3	3 3	Faint H ₂
Sept. 5, 1922					
✓ X 6180 ✓	e Dor no. 1	B	1.2	2	Bright
" ✓	No. 2 6852	B	1.5	3	Too br.
X 6175	? not identified	B	1.0	4	
✓ X 6174 ✓	No. 1 A.G.C. 10678 B. Car	B	1.2	3	
" ✓	No. 2 A.G.C. 10565	B	1.7	3	
✓ " ✓	No. 3 A.G.C. 10897	B	2.0	3	
✓ " ✓	No. 4 A.G.C. 10779	B	1.2	3	
✓ X 6169 ✓	seri	A	1.3	2	Too bright
✓ X 6167 ✓	Ts Eri	B	1.4	3	
✓ X 6166 ✓	23 Eri	A	1.2	3	
✓ X 6161 ✓	8 Eri	A	1.0	3	Too br.

52

Plate No.	Star	Type	Width	Wk.	Remarks
✓ X 6156 ✓	♂ For	a	1.7	3	
✓ X 6155 ✓	♂ Pup.	Bd	1.1	2	Too br. Br. lines
X 6154 ✓	No. 1 a.g.c. 10390	B	1.0	4	
✓ " ✓	No. 2 a.g.c. 10534 v Pup	B	1.9	3	Lines double?
✓ X 6153 ✓	♂ Pup	B	1.0	3	
✓ X 6150 ✓	No. 1 X Cas	F	0.9	4	
" ✓	No. 2 a.g.c. 5244	a	1.4	2	Very faint
✓ X 6148 ✓	♂ For	B	1.1	3	
✓ X 6143 ✓	✓ Nov No. 1 a.g.c. 7513	a	1.5	2-	Burned out
✓ X 6140 ✓	No. 1 a.g.c. 4821 X Eri	a	1.1	3	
✓ " ✓	No. 2 a.g.c. 4841	a	1.8	2-	Very faint
✓ X 6137 ✓	No. 1 ♂ Hydr? (no. 3)	a	1.3	2-	Too br.
" ✓	No. 3 ♂ Hydr.	a	1.4	2-	
✓ X 6134 ✓	♂ Puc	B	1.1	3	

Plate No.	Star	Type	Width	Wt.	Remarks
✓ X 6133	✓ No. 1 A.G.C. 7274	a	2.0	3	Hazy
✓ X 6132	✓ No. 2 A.G.C. 7321	a	1.8	3	Faint
✓ X 6132	✓ γ Dor	F	0.9	4	
✓ X 6130	✓ θ Eri	aa	1.0 1.2	$\frac{9}{3}$	TAH2
✓ X 6298	✓ No. 1 A.G.C. 20847 v sup.	B	1.5	4	Ser. strong?
✓ "	✓ No. 2 A.G.C. 20861 K sup.	B	2.0	4	
✓ X 6295	✓ β Cen	B	1.0	2	Too blue
✓ X 6294	✓ β Mus	B	1.5	3	
✓ X 6293	✓ γ Cen No. 1 172 169	a	1.5	3	
✓ "	✓ No. 2 γ Cen 17180	a	2.0	3	Faint
X 6292	✓ No. 2 - Cen 15377	B	1.7	3	
"	✓ No. 3 15335	a	1.8	3	Faint
X 6291	✓ No. 1 - Cen 15377	B	1.6	3	Faint
"	✓ No. 3 15335	a	1.6	2	v. faint

54

Date	No.	Star	Type	Width	Mr	Remarks
✓ X 6280	✓	No. 1 & Car 14667	B	1.0	4	
"	✓	No. 2 A.G.C. 14653	B	1.5	3	
"	✓	No. 3 A.G.C. 14702	B	1.6	3	
"	✓	No. 4 A.G.C. 14775	B	1.5	3	
"	✓	No. 5 14769	B	1.4	2	
"	✓	No. 6 14764	B	2.0	2	v. faint
✓ X 6276	✓	No. 1 A.G.C. 10350 & Pup.	B	1.4	3+	
"	✓	No. 2 A.G.C. 10188	B	1.4	3+	
✓ X 6273	✓	No. 1 E Dor.	B	1.4	3	Foggy
"	✓	No. 2 6852	a	1.5	2	It. and hazy
✓ X 6271	✓	A.G.C. 14392 & Car	B	1.4	3	
✓ X 6270	✓	φ Vel.	Bx	0.9	4	
✓ X 6268	✓	α Pyx	B	0.8	4	
✓ X 6264	✓	v Dor	a	1.9	4	

Plate No.	Star	Type	Width	Wt.	Remarks
✓ X 6263 ✓	d Col	B	1.5 1.6	4 4	THL
✓ X 6258 ✓	No. 1 Aq. C. 11194	B	1.0	3	
✓ " ✓	No. 2 Aq. C. 11111 g Pap	A	1.2	3	
✓ X 6257 ✓	f Pap	B?	1.1	3	Too low
✓ X 6255 ✓	O ₂ Cma	B _{sup}	0.6	4	
✓ X 6254 ✓	S Pic	B	1.2	3	
✓ X 6252 ✓	λ Col	B	1.2	3	
✓ X 6246 ✓	No. 1 ~~Can~~ ¹²⁶⁷² ~~12535~~	F	1.0	2	Too low
" ✓	No. 2 ¹²⁵³⁵ ~~12672~~	B	1.2	3	
" ✓	No. 3 12638	A	1.8	2	v. faint
✓ X 6245 ✓	d Vol	A	1.4	3	Hazy
✓ X 6244 ✓	No. 1 e Vol	B	1.2	3	
✓ X 6243 ✓	x Can	A	1.0	3	
" ✓	No. 1	B	1.5	2	v. faint

56

Plate No.	Star	Type	Width	Wt.	Remarks.
✓ X 6239 ✓	3 Hya	a	1.3	2	Hazy and curvy
✓ X 6238 ✓	no. 1 of Vel	a	1.3	3	
✓ " ✓	no. 2 a.g.c. 14061		1.8	2	v. fr.
" ✓	no. 3 a.g.c. 13971		1.8	2	v. fr.
✓ X 6235 ✓	no. 1 of Pup	B	1.0	2	
" ✓	no. 2	B	1.4	2	Fr
~~✓~~ ✓	no. 3	B	1.4	2	Fr.
X 6232 ✓	no. 1 α_2 Cma	B	0.6	2-	Too br.
" ✓	no. 2 α_2 8791	B _{pec}	2.0	2	v. fr.
✓ X 6231 ✓	β Pic	A	2.0	3+	
✓ X 6225 ✓	α_2 Cma	B	0.8	3-	Sl. hazy
✓ X 6224 ✓	γ Cma	B	2.1	4	lines double? single line about 1.1
✓ X 6222 ✓	no. 1 E Car	B	1.2	3	
✓ " ✓	no. 2 β Car	A	1.2	2-	Too br.

Plate No.	Star	Type	Width	Wk.	Remarks
✓ X 6215 ✓	no. 1 Ξ_1 Cma a.g.c. 8065	A	1.6	3	"
✓ " ✓	no. 2 Ξ_1 a.g.c. 7989	B	1.0	3	
✓ X 6210 ✓	no. 1 ω Cma	B	1.7	4	
✓ " ✓	no. 2 a.g.c. 9181	B	1.0	4	
✓ X 6209 ✓	K Cma	B	2.1	4	
✓ X 6207 ✓	no. 1 K ₁ Vol a.g.c. 11293	A	1.3	3	
✓ " ✓	no. 2 K ₂ Vol a.g.c. 11297	A	1.4	3	
✓ X 6205 ✓	λ Cma no. 1	B	1.1	3	
" ✓	no. 2	B	1.1	3	
" ✓	no. 3	B	1.1	3	
✓ X 6204 ✓	- Sep. a.g.c. 6141	A	1.5	3	
✓ X 6203 ✓	θ Pup	Ξ	1.0	3	
" ✓	no. 2	A?	1.3	2	v. ft.
✓ X 6202 ✓	λ Col	B	1.2	3-	

58

Plate no.	Star	Type	Width	Wt.	Remarks
✓ X 6201 ✓	β Pic		β 2.2!		Double lines meas? very heavy

Transformation of scale into Angstroms

$$H\delta - H\gamma = 34^d \equiv 240\text{\AA}$$

$$1^d = 7\text{\AA} \pm (\equiv 150\text{km})$$

Suggested divisions

$$0.5 - 0.9 \text{ inc} \equiv 3.5 - 6.3\text{\AA}$$

$$1.0 - 1.4$$

$$1.5 - 1.9$$

$$> 1.9$$

M-
a +0.5
b 1.5
c 2.5
d 3.5

Sept. 6, 1922

59

Plate No.	Star	Type	Width	Wt	Remarks
X6400 ✓	d Cir	F	1.0	2	Hazy, due to focus?
X6398 ✓	n Cen	a	2.4	2	Very hazy
X6397 ✓	o Cen	B	1.7	2	Too dr.
✓ X6394 ✓	p Pic	a	2.2	3	Hazy
X6393 ✓	γ Tr A	a	1.9	3	Too dark
X6391 ✓	k Cen	B	1.2	3	hazy, bright
X6390 ✓	μ Cen	B	1.1	4	
X6385 ✓	No. 1 V Pup	B	2.0	3	10534
" ✓	No. 2 A. G. C. 10390	B	1.0	4	
" ✓	No. 3	B	2.0	3	10566 10568 Lines wavy.
" ✓	No. 4	a	2.2	3	10605 Faint, fuzzy
" ✓	No. 5	a	1.2	3	10618
X6380 ✓	p Sap	B	1.5	B	
X6378 ✓	l Cen	B	1.4	B	

60

Plate no.	Star	Type	Width	Ucr.	Remarks
X 6375 ✓	No. 1 V Pup.	10534 B	1.7	2	
" ✓	No. 2	$\begin{cases} 10566 \\ 10568 \end{cases}$ B	2.1	1	10566? also Lines wavy
" ✓	No. 3	10605 A	2.1	3	
" ✓	No. 4	10618 A	1.2	3	
X 6374 ✓	β Pic	A	2.4	3	Hazy
X 6373 ✓	ϵ Ori	B5	1.3	3	
X 6372 ✓	m Hydr. No. 1	a	2.0	2	Too narrow
X 6371 ✓	No. 1 a Cen	B	1.3	3	
" ✓	No. 2 19537	B?	2.2	2	v. faint
X 6370 ✓	No. 1 v. Cen	B	1.5	3	
X 6365 ✓	Argel. 6848	a	2.4	3-	v. hazy
X 6362 ✓	ρ Hydr	B	2.0	3	Hazy
X 6361 ✓	ψ Cen	a	2.1	3	Bright
X 6359 ✓	δ Gru	B	1.6	2	Too black

Plate No.	Star	Type	Width	Wt.	Remarks
X 6357 ✓	m Car.	a B9	2.1 1.9	2- 2	Too bright
X 6356 ✓	No. 2 car. ¹²⁶⁷² ~~12535~~	B	1.9	3	Bright
" ✓	No. 3 12638	B?	2.4	3	Faint
X 6354 ✓	β Pic	a	2.3	2	Too hazy
X 6351 ✓	No. 1 p cen?	B	1.8	2	Too br.
" ✓	No. 2 "	B	1.9	2	" "
X 6346 ✓	e Vel	a a5	1.9 1.7	3 3	
Sep. 7, 1922 X 6345 ✓	¹⁰⁶¹⁸² No. 4 10605	A	1.9	3	
" ✓	No. 3 10603	A	2.1	3	
" ✓	No. 5 10618	A	1.1	3	
" ✓	No. 8 10810	A	2.0	3	
X 6342 ✓	β Pic	A	2.0	3	
X 6343 ✓	δ Nor	A	1.3	3	
X 632					

Plate No.	Star	Type	Width	Wx.	Remarks
X 6337 ✓	No. 4 +92. 10605	A A ₃	1.8 1.7	$\frac{4}{3}$	πS_1
" ✓	No. 5 a.g.c. 10618	A A ₀	1.0 1.0	$\frac{4}{3}$	πS_1 Silicon star
X 6331 ✓	No. 1 a.g.c. 13145	A A ₇	1.5 1.5	$\frac{3}{3}$	πS_1
" ✓	No. 2 a.g.c. 13135	A-F	1.8 1.8	$\frac{3}{2}$	Ft. Sn. star πS_1 Silicon star
X 6319 ✓	β Pic	a a ₈ a	2.0 1.3 1.9	$\frac{3}{4}$ $\frac{4}{4}$	πS_1 πS_2
X 6318 ✓	No. 1 a.g.c. 26027 E CrA	a a ₁	2.0 1.4 1.9	$\frac{3}{4}$ $\frac{4}{4}$	πS_1 $\pi A H_2$
" ✓	No. 2 a.g.c. 26000	a a ₁	2.0 1.2 1.8	$\frac{3}{3}$ $\frac{3}{3}$	πS_1 $\pi A H_2$
X 6317 ✓	β Velorum	a F ₁ p	1.0 0.9	$\frac{4}{3}$	πS_1
X 6309 ✓	σ Sco	B ₂ B	1.0 0.9	$\frac{3}{3}$	πS_1
X 6308 ✓	σ Sco	B ₂	1.1	3	
X 6303 ✓	β Car a.g.c. 12636	a a ₂	1.2 1.0	$\frac{3}{4}$	Dark
X 6487 ✓	No. 6 a.g.c. 14606	a	1.2	3	
X 6478 ✓	ϵ Cep	a	1.5	3	
X 6472 ✓	χ Cen	a	1.3	3	Sun. star
X 6304 ✓	w Car	B ₉ ?	1.1	3	πS_1

Plate No.	Star	Type	Width	Wt.	Remarks
X 6467 ✓	No. 2 a.g.c. 12785	a	1.7	3-	Faint
" ✓	No. 3 a.g.c. 12713	B-a	1.1	3-	Faint
X 6457 ✓	i Car	a 8.	0.9	3	Dark
X 6439	No. 2. 1858 ⁷²⁸	a	2.0	3-	
X 6436 ✓	No. 1 a.g.c. 15048	a	1.9	2+	Dark
" ✓	No. 2 a.g.c. 14935	a	1.8	3	
" ✓	No. 3 14945	a	2.1	2 v.	faint
X 6599 ✓	c Uphi	a	1.5	3	hazy
X 6596 ✓	No. 1 21828	a-7	1.0	3	
* " ✓	No. 2 21847	a	1.7	8	
X 6591 ✓	K Car	a	1.8	2+	Too Dark
X 6577 ✓	ε Cha	a	1.7	3	
X 6567 ✓	K Car	a	1.8	3-	Dark
X 6561 ✓	K Car	a	1.7	3	Hazy

64

Plate No.	Star	Type	Width	wt	Remarks
X 6559 ✓	K Cen	a	1.3	3	Hazy
X 6557 ✓	K Cen	a	1.7	3	Hazy
X 6555 ✓	i Cen No.1	a	0.9	3	Dark
X 6551 ✓	K Cen	a	1.9	3-	
X 6546 ✓	No.1 A.G.C. 20861	a	1.7	3	
" ✓	No.2 20847	a	1.5	3	
" ✓	No.3 20959	a	1.1	3-	Faint
" ✓	No.4 20787	a	1.6	3-	Ft
" ✓	No.5 20856	a	2.0	3-	Ft
X 6536 ✓	No.1 A.G.C. 17234	a	1.1	4	
" ✓	No.2 A.G.C. 17149	a	1.7	3	
" ✓	No.3 A.G.C. 17320	a	1.2	2	Ft.
X 6514 ✓	L Cen	a	1.1	3	✓
X 6510 ✓	K Cen	a	1.7	3	

Plate No.	Star	Type	Width	Wt.	Remarks
x6507 ✓	No.1 A 9.2 10605	a	1.4	3	Hazy
" ✓	No.2 A 9.2 10618	a	1.0	3	
x6506 ✓	A 9.2	a	1.6	3	
x6685 ✓	w Car	a	1.1	3	Too dark
x6647 ✓	h. 9.2, No.1	a	1.8	3	
" ✓	No.2	A-F	1.6	2	Faint Plate defective
x6639 ✓	n Cen No.1	a	1.0	3	
" ✓	No.2 a.g.c. 17489	B8	1.1	3	Hazy
x6627 ✓	e ceph	a	1.6	3	
x6617 ✓	η Sco	F2	1.0	4	
x6609 ✓	e Pav	a	1.6	4	
" ✓	No.2 26980	a	1.6	3-	Faint
x6608 ✓	No.1 a.g.c. 25435	a	1.3	3	
" ✓	No.2 a.g.c. 25526	a	1.5	2	Faint

66

Plate	Star	Type	Width	Wt	Remarks
X 6798 ✓	6 Psa	a	1.8	3	fazy
X 6794 ✓	K ₂ apo no. 1 a.g.c. 21078	B _r	1.4	3	
" ✓	No. 2 K ₁ apo a.g.c. 20878	B	0.8	3	
X 6756 ✓	No. 1 (a.g.c. 22949)?	a	1.8	3	
" ✓	No. 2	a	1.9	3	Sec. exp. of No. 1?
X 6749 ✓	No. 1 b. oph 23614	a	1.1	4	
" ✓	No. 2 a.g.c. 23739 c. oph	a	1.9	4	
X 6702 ✓	No. 1 a.g.c. 24765	a	1.8	3	
" ✓	No. 2 " 24825	a-F	1.5	3	
" ✓	No. 3 ZC 18 ^h 488	a	1.4	2	faint
" ✓	No. 5 ZC 18 ^h 705		1.4	2	faint
Sept. 8, 1922					
X 12702 ✓	No. 2 a.g.c. 20203	a	1.6	4	
X 12703 ✓	No. 1 Br. Comp. 12895	A	1.2	3	
" ✓	No. 1 H. Comp. 12896		0.8	3	
" ✓	No. 2 a.g.c. 25181		1.3	4	

p late	Star	Type	Width	Wt.	Remarks
X12703 ✓	No. 3 A.G.C. 25155	a	1.2	3	fr.
X12704 ✓	No. 1 H.R. 7959-60	a	1.2	3	
X12705 ✓	No. 1 H.R. 4696	a	1.3	4	
X12706 ✓	No. 2 H.R. 5439	B-A	1.4	3	
" ✓	No. 3 19710	a	1.7	3	v. fr.
X12707 ✓	A.G.C. 22274	a	1.2	3	fr.
X12711 ✓	No. 1 A.G.C. 16736	a	1.5	3	
" ✓	No. 2 A.G.C. 16817	a	1.5	3	
X12712 ✓	No. 1 A.G.C. 19978	a	1.5	3	
" ✓	No. 2 A.G.C. 19907	a	1.4	3	
X12718 ✓	No. 2 A.G.C. 22296	a	1.4	2	fr.
" ✓	No. 3 22324	a	1.4	2	fr.
X12720 ✓	No. 2 27346	a	1.1	3	fr.
X12722 ✓	No. 3 25181	a	1.1	2	
" ✓	No. 4 25155	a	1.1	2	

68

Plate	Star	Type	Width	M.	Remarks
X 12724	✓ No. 3 18956	a	1.1	3	
"	✓ No. 4 19037	a	1.0	3	
X 12728	✓ A.C. 30190	a	1.0	3-	
X 12734	✓ No. 1 A.C. 23584	a	1.0	3	
X 12735	✓ No. 2 A.C. 25919	a	0.9	4	
X 12737	✓ No. 2 17795	a	1.3	3	
"	✓ No. 3 18012	a	1.0	2	Ft.
X 12739	✓ No. 2 A.C. 22943	a	1.3	3	
X 12740	✓ No. 2 A.C. 18198	a	1.1	3	
"	✓ No. 3 18100	a	1.0	3	
X 12741	✓ No. 2 A.C. 21588	a	1.4	2	Fairly Hazy
"	✓ No. 3 21706	a	1.2	2	v. Hazy
X 12742	✓ No. 1 R.A. 6471 23554	a	1.3	3	
"	✓ No. 2 23559	a	1.2	2	Fairly

Plate No.	Star	Type	Width	Wx.	Remarks.
X12746	✓ H.R. 8616 30855	a	1.4	3	Hazy
X12749	✓ No. 1 a.g.c. ²¹⁸⁷¹ ~~21114~~	a	1.0	3	
"	✓ No. 2 21816	a	1.0	3	
X12750	✓ No. 2 a.g.c. 25919	a	1.0	4	
X12751	✓ No. 1 28444	a	1.4	3	
X12752	✓ H.R. 8616	a	1.6	3	
X12753	✓ No. 1 a.g.c. 22774	a	1.2	4	
X12757	✓ No. 1 a.g.c. 23115	a	1.3	3	
"	No. 2	a	1.3	2	Ft.
X12758	No. 2 wrong region	a	1.5	3	
"	No. 3 not identified	a	1.3	2	Ft.
X12762	✓ No. 1 31196	a	1.0	3	
X12763	✓ No. 1 H.R. 5439	a	1.1	4	
"	✗ No. 2 a.g.c. 19710	a	1.1	3	Hazy

70

Plate no.	Star	Type	Width	U.V.	Remarks.
X 12763	✓ No. 4 19846	a	1.5	3	.
"	✓ No. 5 19854	a	1.4	2	7+
X 12766	✓ No. 1 21211	a	1.2	2	...
X 12769	✓ No. 2 22274	a	1.0	3	
X 12774	✓ No. 1 a.g.c. ²¹⁸²¹ ~~21816~~	a	1.0	4	.
"	✓ No. 2 21816	a	1.0	4	.
"	✓ No. 3 21856	a	1.0	4	.
"	✓ No. 4 21902	a	1.5	3	.
X 12778	✓ No. 1 H.N. 8616 30855	a	1.2	2	Burned out
X 12785	✓ No. 1 22222	a	1.0	3	
X 12793	✓ No. 1 a.g.c. 30855	a	1.0	3	
X 6899	✓ No. 1 C. 29245 ^a Micro.	A	mt	3	
"	✓ No. 2 a.g.c. 29314 ^a Micro.	A	mt	3	.
X 6892	✓ No. 1 h ₂ Sgr	a	m	2	Black

Plate No.	Star	Type	Width	Wt.	Remarks
X6892 ✓	No. 2 h. Sgr.	a	m	3	
X6889 ✓	K Phe	a	m+	3	
X6882 ✓	L Phe no. 1	a	mt	3	
" ✓	No. 2 31899	a	m	3	Ft.
X6878 ✓	α Lyn	a	m	4	Black
X6865 ✓	No. 1 E Nor	B	m	4	
* " ✓	No. 2 22233	B	m	4	Ft.
" ✓	No. 3 22126	a	m	3	Hazy
X6857 ✓	No. 1 23633	a	m	4	
" ✓	No. 2 23629 d Oph	F	m	3	
" ✓	No. 3 23589	a	w-	3	Ft.
X6856 ✓	X Lup	a	w-	3	Too dark
X6851 ✓	No. 1 θ Micro.	B	m	4	
" ✓	No. 2 θ_2	a	m	4	

72

Plate	Star	Type	Width	Wt	Remarks
X 6845	✓ no. 1 a.g.c. 19577	B	m	3	"
"	✓ no. 2 a.g.c. 19473	a	m	3	
X 6834	✓ ϕ g	F	m	3	
X 6827	✓ a.g.c. 419 no. 1	a	m	3	
X 6824	✓ a.g.c. 29795 ϕ PsA	a	w-	3	Too dark
X 6822	✓ no. 1 h. 2 Sgr. a.g.c. 26843	a	m	3	Too black
"	✓ no. 2 a.g.c. 26827, h, Sgr.	a	m-	3	
"	✓ no. 3 a.g.c. 26977	a	m	3	It.
X 6823	✓ ϕ Sgr.	a	m	2	Too black
X 6801	✓ no. 1 K ₂ 21078	B	m	4	
"	✓ no. 2 K. 20878	B	w.m.	4	
"	✓ no. 3 20971	a	m	4	It.
"	no. 4 cannot identify	a	m	3	fr.
X 6899	Subst. 9 986 ✓ no. 1 a.g.c. 28338 ϕ Pav	a	m	4	Dark

Plate	Star	Type	Width	Wt	Remarks
X6896 ⁵⁸⁶	✓ No. 2 Aq.C. 25259 V Par	A	m	4	
X6945	✓ L Ps A	A	m+	3	Too bright
X6966	✓ No. 1 Aq.C. 3003 E Hya	A	m	3	
"	✓ No. 2 Aq.C. 2887 E Hya	A	m	3	Too br.
X6964	✓ α Scl	B	m	4	
X6963	✓ No. 1 β^1 Tuc Aq.C. 451	A	m	3	
"	✓ No. 1 β^2 Tuc. Aq.C. 452	A	m	4	
"	✓ No. 2. Aq.C. 467	A	m+	3	
X6954	✓ ω For	A	m	3	
X6940	✓ No. 1 E Hya	A	m	3	
"	✓ No. 2 E Hya	A	m	3	
X6939	✓ No. 1 γ Tuc	A	m	3	
"	✓ No. 2 32307	A	w	4	
X6938	✓ E Gru	A	m-	3	

74

Plate No.	Star	Type	Width	Wt.	Remarks
X6936 ✓	no. 1 η Phe	a	m	3	light
" ✓	no. 2 ϵ Phe	a	m	3	Sa. strong
X6933 ✓	ϵ Mic	a	m+	3	
X6932 ✓	δ Ari	a	m+	3	
X6928 ✓	δ Ind	a- β	m	4	
X6927 ✓	no. 1 θ Mic	a	m	3	
" ✓	no 2 + θ Mic	a	m	4	
X6919 ✓	No. 2 30260	a	m	3	
" ✓	No 3 30268	a	m	3	
X6901 ✓	β Scl	a	m+	3	
X7100 ✓	no. 1 δ Phe	a	w	3	hazy
" ✓	no 2 " "	a	w	3	"
X7095 ✓	no. 1 ϵ Mon 22246	B	m+	3	
" ✓	no 2 α g.c. 22233	a	m-	3	

Plate No.	Star	Type	Width	Wk	Remarks
x7095	No 3 not in 192	a	m	3	fr. "
"	No 4 " "	a	m	3	fr. "
x7089 ✓	γ Dor	A-F	m	4	
x7088 ✓	γ Dor	A-F	m	4	
x7087 ✓	β Hor	a	m-	3	
x7085 ✓	β Tuc No. 1	a	m	3	Dis. Comp.
" ✓	β^2 Tuc No. 1	a	m	4	St. Comp.
" ✓	No. 2 a.g.c. 467	a	m	3	
x7084 ✓	No. 1 E Tuc. a.g.c. 32347.	a	m	3	
" ✓	No. 3 32311 γ Tuc	a	m	3	
x7082 ✓	δ Tuc	a	m-	3-	Plate foggy
x7081 ✓	No. 2 29552	a	m+	3	It.
x7080 ✓	No. 1 β Pav.	A-F	m	4	
" ✓	No. 2 γ Pav.	a	m+	4	

76

Plate No	Star	Type	Width	Wt.	Remarks.
X 7079 ✓	K Ret	f	v.m	3	
X 7075 ✓	η Cap a.g.c. 28879	a	m	3	
X 7074 ✓	β Pav	a	m+	3	
" ✓	no. 2	a	m-	3	
X 7069 ✓	no. 1 h, Sgr.	a	m-	3	
" ✓	no. 2 h, Sgr.	a	m-	3	
X 7061 ✓	α Scl	a	m	4	
X 7057 ✓	no. 2 a.g.c. 24156	B	m	3	
" ✓	no. 3 a.g.c. 24210	a	m	3	
X 7102 ✓	no. 1 a.g.c. 28878 Hya	a	m	4	
" ✓	no. 2 a.g.c. 30038 Hya	a	m	4	
X 7103 ✓	no. 2	a	m-	3	2+
X 7106 ✓	δ PsA	a	m-	2	✓
X 7108 ✓	ϵ Scl	a	m	3	

Plate No.	Star	Type	Width	Wk.	Remarks
X7108 ✓	No. 2	3 2 414	a m+	2+	Hazy
" ✓	No 3	3 2 411	a m	3-	Fr.
X7110 ✓	No 2 A.G.C. 2905	a m	3	-	
X7111 ✓	No. 1 ~~Vespa~~ 25944	a m	2		
" ✓	No 2	25 895	a m	3	
X7117 ✓	No. 1	0 Sco	a m	3	Narrow + too br.
" ✓	No 2		a m	3	
" ✓	No 3		a m	3	
X7118 ✓	No 2.	25 233	a m-	2	
X7120 ✓	Boek		a m	2	narrow + too br.
7121 ✓	Boek		a m+	3	
X7122 ✓	η Tuc No. 1	a m	3-		
" ✓	No. 2 A.G.C. 3234	a m	3-		
X7123 ✓	No. 1 A.G.C. 2065	a m	3		
" ✓	No. 2 A.G.C. 2024	a m	3		

78

Plate No.	Star	Type	Width	U.V.	Remarks
X 7125	✓ No. 1 Aq.C. 27336	a	w	3-	
X 7126	✓ No. 1 Aq.C. 28616	a	m-	3-	
X 7127	✓ No. 1 Aq.C. 30260	a	m-	2	
"	✓ No. 2 Aq.C. 30268	a	m+	2	
"	✓ No. 4 Aq.C. 30290	a	m+	2	
X 7128	✓ No. 1 Cap	a	m+	2	
"	✓ No. 2 Aq.C. 23 720	a	m	2	
X 7130	✓ No. 1 η Cap	a	m	2	
"	✓ No. 2 29014	a	m	3	
X 7131	✓ No. 1 Aq.C. 29598	a	m	3-	Mag
"	✓ No. 2 Aq.C. 29544	a	m	3-	another star Sup.
"	✓ No. 3 Aq.C. 29717	a	m+	2+	
X 7134	✓ φ For	a	m	2+	Too narrow Mag
✓ 7135	✓ λ Tel	a	m+	2+	Too narrow

Plate No.	Star	Type	Width	M _b	Remarks.
X7136 ✓	η Tel	a	m	2	Too narrow also.
X7140 ✓	No. 1 A.G.C. 28455	F	m.m	4	
" ✓	No. 2 A.G.C. 28539	a	m	4	
X7143 ✓	δ Ahe 31955	a	m+	3	
X7145 ✓	ξ Hya	a	m+	3	
X7146 ✓	κ Per	a-7	m	3	
X7147 ✓	8 Cas	B	m	3	
X7148 ✓	No. 1 θ Ind	a	m-	3	
" ✓	No. 2 A.G.C. 29117	a	m	3	
X7149 ✓	No. 1 β Ps A	a	m	2	Too black
" ✓	No. 2 30762	a	m-	3	
X7150 ✓	β Sch	a	m	2	Too br.
X7152 ✓	γ Phe	B ₂	m+	3	
X7153 ✓	κ Eri No. 1	B	m	4	
" ✓	No. 2 (same star?)	B	m	3	

80

Date	No.	Star	Type	Width	Wt.	Remarks
X 7155	✓	no. 1 7206	a	w-	3	It.
"	✓	no. 2 A Col	B	m+	2	H ₂ cut off
X 7156	✓	8 Pic	B	m	3	
X 7157	✓	no. 1 E Cap	B	v. m.	3	
"	✓	no. 2 29606	a	m	3-	It.
"	✓	no. 3 A. G. C. 29544	F	m	3	It.
X 7158	✓	no. 2 γ B A	a	m	3-	Too low.
"	✓	no. 3 A. G. C. 31083	a	m	3-	It.
X 7160	↓	no. 1 β Inc	a	m	2+	
"	↓	no. 1 β Inc	a	m	3	
"	✓	no. 2	a	m+	3	
X 7162	✓	-Cet	a	m-	2	Too narrow
X 7163	✓	" -Cet	a	m	3	
X 7164	✓	8 Eri	a	m-	3 2+	Narrow + low.

Plate No.	Star	Type	Width	Wx	Remarks
X7165 ✓	5 Eri	a	m+	2+	
X7170 ✓	ϕ Phe	B	m+	3	
X7172 ✓	ϕ For	a	m	3	
X7174 ✓	8 Cas	B	m	4	
X7175 ✓	No. 1 a.g.c. 8646	a	m	3	
" ✓	No. 2 a.g.c. 8658 TIC Ma	a	m	3	
" ✓	No. 3 a.g.c. 8602	B	m	3	
" ✓	^{492 ± 8592} No. 4 DM -18° 1591	a	m+	3-	
" ✓	^{492 ± 8594} No. 5 DM -18° 1594	a	m	3-	
" ✓	No. 6 a.g.c. 8520	B	m	2+	fr
" ✓	No. 7 a.g.c. 8519	a	m	2+	fr
X7176 ✓	f Eri	a	m	2+	Too br.
X7177 ✓	No. 1 β Cas 5313	a	m	4	
" ✓	No. 2 5315	a	w-	3	

82

Plate No.	Star	Type	Width	W.t.	Remarks.
x 7179 ⁸⁰⁴ ✓	No. 1 - Sep. 614	a	m-	2+	Too br.
" ?	No. 2	a	m	3	v. fl.
x 7184 ✓	β Pic	a	m	3-	✓
x 7188 ✓	No. 1 a.g.c. 6972	B	m	3	✓
" ✓	No. 2 a.g.c. 6852	a	m-	2+	
" ✓	No. 3 6790	a	m	3	fl.
x 7190 ✓	ν Dor	a	m	2-	Burned out + poor
x 7191 ✓	ϕ For	a	m-	2	Too thin
x 7197 ✓	No. 1	a	m+	3	
" ✓	No. 2	a	m+	3	Dr. Strong
x 7198 ✓	No. 1 as For	a	m+	2+	Too br.
x 7199 ✓	No. 1 δ P A	a	m	4	✓
x 7200 ✓	δ Scl	a	w-	4	✓
x 7303 ✓	No. 1 a.g.c. 3279 β Hor	a	m+	3	✓

Plate No.	Star	Type	Width	Wt	Remarks
X 7303	✓ No. 2 3461 Aq. C.	a	m+	3	
"	✓ No. 3. Aq. C. 3485	a	m	3	
X 7304	✓ No. 1 β Cas 5313	a	m	3-	Too br.
"	✓ No. 2 5315	a	m	3	
X 7307	✓ No. 1 3238 δ cl	a	m	3-	Too br.
"	✓ No. 2 32414	a	m+	3-	
"	✓ No. 3 32445	a	m	3	
"	✓ No. 4 32411	a	m	3	
"	No. 5 not in A9D	a	m-	2	ft.
"	✓ No. 6 32415	a	m+	2	ft.
X 7309	✓ K Qet	F	v. m	4	
X 7312	✓ No. 1	a	m	4	
"	✓ No. 2	a	m	3	See strong
X 7316	✓ No. 2 7672	a	m	4+	

84

Plate No.	Star	Type	Width	Wt.	Remarks
X 7322	? only one star on 7322 see below. No. 2 Bet	a	m+	3-	Ft.
X 7319	✓ No. 2 θ Tucanae	a	m	3-	Ft.
X 7322	✓ T ₃ Eri	a	m	3	
X 7324	✓ α Dor	a	m	3	
X 7325	✓ No. 2 a.g.c. 6404	a	w	3-	Ft.
X 7327	✓ No. 1 a.g.c. 7904	B	m+	3	
"	✓ No. 2 a.g.c. 7914	B	m+	3	
"	✓ No. 3 a.g.c. 8017	B	m+	3-	
"	✓ No. 4 a.g.c. 8068	a	m	4	
X 7328	✓ No. 1 - Pup	a	m-	2	Burned out
"	✓ No. 2 A92 9243	a	m-	2	Ft.
X 7344	✓ No. 1 a.g.c. 12235		m-	3	
"	✓ No. 2 a.g.c. 12370		m+	3	
"	✓ No. 3 a.g.c. 12379		m	3	

Sept. 11, 1922

85

Plate No.	Star	Type	Width	Wt.	Remarks
X 73 53 ✓	No. 1 d Cen 11790	a	m	3	Burned out
" ✓	No. 2 11759	a	w-	3	
" ✓	No. 3 11777	a	m+	3-	ft.
X 73 58 ✓	No. 1 d Cen 17234	a	m	2	Too narrow
" ✓	No. 2 17149	a	m	2	"
" ✓	No. 3 17320	a	m	2	"
X 73 55 ✓	No. 1 γ Cen	B	v. m	2	Too dark
" ✓	No. 2 15335	B	m	3-	
" ✓	No. 3 15377	B	m	3-	
" ✓	No. 4 15305	a	m	3-	
X 73 60 ✓	d Cen	a	m	2-	
X 73 62 ✓	η Crv	F	m	4	
X 73 64 ✓	β Cen	B	m	4	
X 73 65 ✓	β Cen	B	m	3	

86

Plate No.	Star	Type	Width	Wt.	Remarks
X 7372 ✓	γ Cen	B	m	3-	hazy
X 7373 ✓	α Cen	a	m	3-	
X 7376 ✓	No. 1 A.G.C. 14145	B:	m	2-	Burned out
" ✓	No. 2 A.G.C. 14085	a	m	2	ff
" ✓	No. 3 A.G.C. 14053	a	m	2	
" ✓	No. 4 A.G.C. 14029	a	m	3	
X 7377 ✓	No. 1 A.G.C. 15756	a	m	3	
" ✓	No. 2 A.G.C. 15741	a	m+	2+	
" ✓	No. 3 A.G.C. 15888	a	m+	2+	
X 7378 ✓	No. 1 α Cen (Bri Comp)	B	m	3	
" ✓	No. 1 α Cen (H. comp)	B	m	3	fr.
" ✓	No. 2 γ Cen	B	m	3	
X 7380 ✓	No. 2 14902	B	m	3-	fr ✓
" ✓	No. 3 14827	A	m	3	

Plate No.	Star	Type	Width	Wt	Remarks
X 7380	✓ No. 4 ¹⁴⁷⁸⁸ ~~14797~~	a	m-	3-	Fl. ✓
"	✓ No. 5 ⁷⁹⁷ ~~14788~~	a	w	3-	v. Fl
X 7384	✓ No. 1 A.G.C. 12889	a	m+	3-	
X 7385	✓ K Vel	B	v.m.	3	
X 7391	✓ No. 1	g	v.m.	3	
"	✓ No. 2	a	n	4	
X 7395	✓ - Pup	a	m	3	Hazy
X 7397	✓ β Cen	a	m	3-	
X 7398	✓ β Cen	a	w-	3	
X 7399	✓ β Cen	a	m+	3	
X 7400	✓ No. 1 f Cen	B	m+	3-	Hazy
"	✓ No. 2 16359	a	w	3	
"	✓ No. 3 16263	a	w	3	
X 7402	✓ β Cen	B	w	3	Foggy

88

Plate No.	Star	Type	Width H _g +H ₅	Wt.	Remarks.
X 7403 ✓	i Cen	F	n.m.	4	
X 7405 ✓	No. 1 m Hya A.G.C. 19997	a	n	3	Plate Fogged
" ✓	No. 2 A.G.C. 20035	a	n	3	"
" ✓	No. 3 19930	a	n	2+	"
X 7410 ✓	No. 1 i' Cen (Br. Comp)	B	m+	3-	Burned out
" ✓	No. 1 i' Cen (Ft. Comp)	B	m+	3-	Ft. (Br. Comp Sup.)
" ✓	No. 2 i' Cen	B	m	3	Hazy
X 7412 ✓	o Sup	B	n	3	
X 7413 ✓	i' Car	Br	n.m.	4	
X 7415 ✓	No. 1 14664	a	n	3-	Ft. hazy
" ✓	No. 2 14754	a	m+	3-	" "
" ✓	No. 3 1478P	B	m+	3-	Ft.
" ✓	No. 4 14797	B	m	3-	Ft.
X 7416 ✓	No. 2 14827	a	W	3-	Ft.

Plate No.	Star	Type	Width	Wt.	Remarks
X 7426	✓ No. 1 θ Cep?	B	m	4	-
X 7430	✓ No. 1 α Cy. C. 14295	F	m	4	
X 7432	✓ η Cen	F	m	4	
X 7433	✓ No. 1 α Cy. C. 21841 w, Sco	B	m	4	
"	✓ No. 2 α Cy. C. 21805 β Sco	B	m	3	Foggy
X 7434	✓ No. 1 α Sco	a	m+	3	
X 7437	✓ α Cen	a	m	3	
X 7438	✓ No. 2 14319	a	m+	2+	-
X 7439	✓ No. 1 α Cy. C. 19577	a	m	2	
"	✓ No. 2 α Cy. C. 19473	a	m	3	
X 7451	✓ No. 1 Θ M. -17° 52' 03"	B	m-	3	Hazy
X 7453	✓ β Oct.	a	m	3	
X 7455	✓ No. 1 α Cy. C. 19930	a	m	3-	
"	✓ No. 2 m Hya	a	m	3-	

90

date no.	Star	Type	Width	Wt.	Remarks
X7455 ✓	no. 3 Aq.C. 20035	a	m	4	
X7456 ✓	no. 1 Aq.C. 21205	B	m	3	fr
" ✓	no. 2 g. sup.	F	v. m	3	
" ✓	no. 4 d. sup.	B	m	3	
" ~~2~~ ✓	no. 3 21218	a	m+	2	v. fr.
X7457 ✓	o Sco	a	m	4	
X7458 ✓	no. 2 28597 β mic	a	m	4	
X7461 ✓	m. 1 δ Cen	Be	w	4	
" ✓	no. 2 16566	Br	m	4	
X7485 ✓	β sup.	B	m	3	hazy
X7490 ✓	β Cen	B	m-	2	hazy + dark
X7492 ✓	δ Sco	B	m+	2+	very hazy
X7494 ✓	no. 1 λ Sco	B	m-	3-	hazy
" ✓	no. 2 ν Sco	B	m	3	hazy

Plate No.	Star	Type	Width	Wt.	Remarks
X 7504	✓ E Sgr.	a	w	3	Hazy
X 7506	✓ λ Cen	a	w-	3-	very hazy
X 7508	✓ η Cen	B	w	3-	very hazy
X 7513	✓ β Car	a	v.w.	3	Hazy
X 7514	✓ δ Cen no. 1	B	w.w.	4	Hazy, Focus?
"	✓ No. 2 16566	B	m	3	Hazy
X 7515	✓ δ Cen (Bil. comp.)	B	m	3	
"	✓ λ Cen. (J.H. comp.)	B	m	3	
X 7516	✓ No. 1 θ Car	B	m	3	
X 7524	✓ No. 1 $\frac{17472}{17407}$	B	m	4	
"	✓ No. 2 17504	B	m	4	
"	✓ No. 3 $\frac{17507}{17518}$	B	m	4	
"	✓ No. 4 A.G.C. 17540 λ Cen	B	w	4	Hazy
X 7525	✓ β Cen	B	wt	3	Hazy + bright

92

Date	No.	Star	Type	Width	Wx	Remarks
X7544	✓	α Eri	B _r	w	3	Hazy
X7549	✓	α Lup	B	m-	2	
X7558	✓	α Lup	B	m	3	
X7559	✓	β JnA	F	m	3	Hazy
X7564	✓	σ Sgr.	B	m	3	Hazy
X7566	✓	Ag. C 18413 γ	A	w	2+	It.
X7575	✓	α Pav	B	m-	3-	
X7578	✓	γ Lup	B	m	3	Hazy
X7579	✓	σ Sco	B	m	3	
	↓					
X7580	✓	α Tel	B	m+	3-	Hazy
X7582	✓	No. 1 δ Sgr.		m-	3-	
"	✓	No. 2 26084		m+	2+	

A