1926phae.proj.1109p

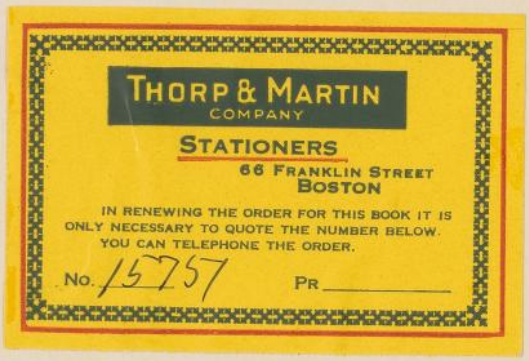
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108

18

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KG1366.108



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X13546

Stars of Second Series

No	H.R.	ptg	Sp	α	δ	H.D	μ p
8	151683	7.8	B9	16 43.7	−41 17	151683	
18		8.0	B3	47.6	−41 16	152333	
5		7.2	B0	45.7	−41 37	152003	
4		7.0	B2	42.7	−41 49	151515	
~~13~~		~~7.2~~	~~B0~~	~~46.5~~	~~−41 37~~	~~152147~~	
15		7.2	B8	47.4	−40. 52	152292	
7		8.0	K0	43.9	−41. 39	151707	Eut
16		7.4	B5	49.7	−41 0	152687	
20		7.4	A2	48.5	−40 50	152490	
6		8.7	B2	16 46.1	−41 34	152076	
3		7.7	B2	43.0	−41 27	151564	
13		7.[illegible]	B0	46.5	−41 57	152147	

353
302
278
278
284
289
299
314
330
355
421

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stars of 1st Series 41 42
4-2

Pl. No.	No	H. R.	Ptg	Sp	α	δ	HD	μφ	Series
X 1354	2	6245	5.8	Oe	16 44.5	-41 4	151804	✓	2
	1	6249	6.4	Oe	16 45.3	-41 41	151932	✓	
	14	6272	5.6	Oep	48.0	-41 0	152408		2
	10	6266	6.7	F5	47.4	-42 19	152293	✓	Ext
	9	6271	5.6	K5	47.6	-42.12	152334	✓	Ext
?	11	6262	4.66	B2p	47.0	-42.12	152236	✓	
	12		6.9	B0	48.1	-41 56	152424	✓	
	14		7.2	Oa	47.3	-41 40	152270	✓	

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Stars in field of η Carinae

Pl. No.	Star No.	HD	Ptg	SP.	α			δ			HR		
X 13413	14	92740	6.3	Ocp	10	37.	4	-59	9	✓	4188	✓	
	8	93131	6.3	Ocp		40.	1	-59	36	✓		✓	
	13	92741	7.3	B3		37.	4	-59	27	✓			
	9	93070	6.9	K5		39.	7	-60	3	✓	4200	✓	w Carinae
	3	93695	5.8	B5		43.	9	-59	21	✓		✓	
	2	93737	6.1	A2		44.	2	-59	24	✓	4228	✓	lines narrow
	11	93265	8.8 8.8	B		40.	6	-59	13	✓		✓	
	5	93308	Var	Pec		41.	2	-59	10	✓	4210	✓	η Carinae
	20	93943	6.10	A0		45.	5	-58	48		4239	✓	
	4	93502	6.2	A0		42.	5	-60	5	✓	4217	✓	
	7	93206	6.6	B0		40.	6	-59	28	✓		✓	
X 13371	21	94173	6.8	A0		47.	0	-59	26	✓		✓	
X 13035	1												
	12	93268	9.7	A0		41.	0	-59	2	✓		✓	overlapes another

6 1.
10
13
15 1.
17 1.
18
19

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1926plae.proj.1109P

Star Identifications Entered on cards

Pl No	No.	HR	ptg	Sp	α	δ	HD	μφ
X-13657	1		6.9	K5	0 23.5	-40 28	2490	1215
	2		6.6	F0	25.6	-41 30	2724	1216
	3		7.4	B8	28.9	-40 29	3085	1217
	4		7.5	K0	25.6	-40 04	2723	1217
	5		7.9	K0	20.4	-39 49	2132	1216
	6		7.9	K0	21.3	-40 12	2259	1215
	7		7.6	K0	24.5	-41 13	2608	
X-13663	2		6.6	K5	1 52.0	-23 1	11980	1219
	1		6.6	F2	54.4	-23 25	12180	1220
	4		8.4	A2	55.8	-22 34	12329	1221
	3		6.4	B9	58.0	-22 27	12561	1220
XJ	1	6582	4.58	K0	17 35.9	-64 41	160635	1217
13554	2		7.0	A3	36.1	-64 17	160675	1213
	3		7.0	F0	40.4	-64 16	161441	1214 ?
	4		8.1	A0	42 8	-64 36	161864	1213
X	1	6766	5.9	K0	18 1.8	-28 28	165634	1222
13453	2		6.2	A0p	18 5.6	-28 12	166469	1223
	3		7.2	A0	18 0.5	-28 23	165365	1222
	4		9.5	G5	6.2	-28 16	166591	1223
X	1	8552	6.8	K0	22 22.8	-39 38	212953	1224
13901	2		6.9	A2p	18.7	-39 38	212385	1224
X								
13656	1	176	6.3	G0	0 35.7	-60 1	3823	1225
	2	186	7.6	K2	0 38.2	-60 49	4088	1226
	3		10.3	F5	31.9	-60 26	3419	1225

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Pl. No.	Star No.	HD.	Ptg.	Sp.	α	δ		H.R.		
X 14881	1	153919	6.7	Od	16h 57.2	-37 42		—		
	2	153890	6.5	Fo	16h 57.0	-38 0		6377		Scorpius
	3	153767	7.4	Ao	16h 56.2	-37 34		—		
	4	153575	8.0	B8	16h 55.2	-37 9		—		
X 14939	1	93911	8.5	B5	10h 45.3	-59 39	v	—		
	2	93787	6.1	A2p	10h 44.2	-59 24	v	4228	lines narrow	
	3	93695	5.8	B5	10h 43.9	-59 21 24	v	—		
	4	93502	6.2	Ao	10h 42.5	-60 5	v	4217		
	5	93308	Var	Pec	10h 41.2	-59 -10	v	4210		η Carinae
	6	93222	8.2	B2	10h 40.7	-59 34	v	—		
	7	93206	6.6	Bo	10h 40.6	-59 28	v	—		
	8	93131	6.3	Oep	10h 40.1	-59 36	v	—		
	9	93070	6.9	K5	10h 39.7	-60 3	v	4200		w Carinae
	10	93146	8.8	B	10h 40.2	-57 34	v	—		
	11	93205	8.8	B	10h 40.6	-59 13	v	—		
	13	92741	7.3	B3	10h 37.4	-59 27	v	—		
	20	93943	6.10	Ao	10h 45.5	-58 48		4239		
	14	92740	6.3	Oep	10h 37.4	-59 9	v	4188		
	21	94173	6.8	Ao	10h 47.0	-59 26		—		
	17	93268	9.7	Ao	10h 41.0	-59 2	v	—		
	15	92644	8.6	B8	10h 36.7	-59 16	v	—		
X 14911	1	119078	9.4	Oa	13h 35.9	-66 54				
	2	119050	9.1	B9	13h 35.8	-66 58				
	3	118475	7.6	Go	13h 32.0	-67 10				
	4	118821	8.5	Fo	13h 34.1	-67 23				
	5	119423	7.3	B8	13h 38.0	-66 16				

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Star Identifications

Pl. No.	Star No.	H.D.	Ptg.	Sp.	α	δ	H.R.	μφ	
X-13657	3	12318	8.5	A2	1h 55.7	-30 21		1261	
	1	12438	6.7	G5	1h 56.8	-30 28	594	1260	π Pavonis
	2	12563	6.8	A3	1h 58.0	-30 9	606	1260	
X 13480	1	129893	7.3	K0	14h 40.0	-51 57			
	2	129932	6.8	A0	14h 40.2	-51 47			
?	3	130377	8.0	A0	14h 42.7	-52 19			
?	4	130464	7.8	B9	14h 43.2	-51 58			
	5	129352	9.9	F2	14h 36.X	-51 30			
X 13903	1	188584	7.1	K0	19h 50.7	-67 13	7603		μ^1 Pavonis
	2	188887	7.1	K0	19h 50.2	-67 13	7612		μ^2 Pavonis
	3	190222	8.6	K5	19h 58.8	-66 39	7663		– Pavo
	4	190248	4.42	G5	19h 58.9	-66 26	7665		δ Pavonis
X 13688	1	77020	7.3	K0	8h 54.6	-48 11	3583	1277	Vela
	2	76160	6.0	B3	8h 49.3	-47 59	3539	1277	"
	3	77224	7.8	K0	8h 56.0	-47 54		1278	"
X 13673	1	65273	7.2	K2	7h 52.8	-57 2	3105		Carina
	3	65710	8.3	K0	7h 54.8	-57 10			
	2	65852	7.0	A0	7h 55.6	-57 12			

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Pl. No.	Star No.	H.D.	Ptg	Sp	α	δ	H.R.	μp	
X 13664	1	14141	7.1	Ma	2h 12.1	-68 19	667		π' Hydri
	2	14287	7.4	K5	2h 13.4	-68 13	678		π² Hydri
	5	14793	7.0	A3	17.9	-68 33			
	3	14577	9.3	Ma	16.2	-68 15			
	6	15008	4.32	A2	20.0	-69 7	705		δ Hydri
	4	14747	8.7	G0	17.5	-68 9			
X 13666	3		6.9	K2	6h 44.5	~~-51~~ 10	2523		Carina
	2		3.83	K0	47.5	~~-50~~ 30	2553		π Puppeis
	1		7.3	K0	51.5	-50 30	2594		"
	4		8.2	A2	44.0	-51 6			
X 13661	1	15975	7.2	K0	2h 28.9	-35 5	744		λ² Fornacis
	2	16417	7.3	G5	32.8	-35 0	772		λ² "
	3								
	4								
	5								
X 13665	1	20610	6.05	K0	3h 13.9	-22 52	994		15 Eridani
	2	20720	5.30	M6	15.1	-22 7	1003		τ⁴(16) "
X-13669	1	9377	7.0	K0	1h 27.1	-30 48			
	2	9349	7.5	K0	1 26.9	-30 30			
	3								
	4								
	5								
	6								
X 13660	1	9377	7.0	K0	1h 27.1	-30 48			
	2	9349	7.5	K0	1h 26.9	-30 30			
	5	9159	8.4	F5	25.1	-30 34			
	6	9064	9.5	K2	24.1	-30 24			
	7	9475	8.9	F0	27.9	-30 13			
	8	9576	8.9	K2	28.8	-30 27			
	4	8832	8.5	K0	21.9	-30 48			
	3	8887	8.0	K0	22.5	-30 45			

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Star Identifications

Pl. No.	Star No.	H.D.	Ptg.	Sp.	α	δ	H R	μφ	
X 13657	3	12318	8.5	A2	1h 55. 7	-30 21	-	1261	
	1	12438	6.7	G5	1h 56. 8	-30 28	594	1260	π Fornacis
	2	12563	6.8	A3	1h 58. 0	-30 9	606	1260	
X 13480	1	129893	7.3	K0	14h 40. 0	-51 57	5495	1269	b Lupi
	2	129932	6.8	A0	14h 40. 2	-51 47	5498	{1278 1269	÷ Lupus
?	3	130377	8.0	A0	14h 42. 7	-52 19	-	1271	
?	4	130454	7.8	B9	14h 43. 2	-51 58	-	1271	
	5	129352	9.9	F2	14h 36. 9	-51 30	-	1270	
X 13903	2	188887	7.1	K0	19h 52. 2	-67 13	7612	1272	μ2 Pavonis
	1	188584	7.1	K0	19h 50. 7	-67 13	7603	1272	μ2 Pavonis
✓	3	190272	8.6	K5	19h 58. 8	-66 39	7663	1273	— Pavo.
	4	190248	4.42	G5	19h 58. 9	-66 26	7665	1273	δ Pavonis
X 13673	1	65273	7.2	K2	7h 52. 8	-57 2	3105	1279	Carina
✓	3	65710	8.3	K0	7h 54. 8	-57 10	-	1280	
	2	65852	7.0	A0	7h 55. 6	-57 12	—	1279	
X 13688	1	77020	7.3	K0	8h 54. 6	-48 11	3583	1277	Vela
	2	76160	6.0	B3	8h 49. 3	-47 59	3539	1277	
	3	77224	7.8	K0	8h 56. 0	-47 54	-	1278	
X 13674	1	77615	7.6	K0	8h 58. 5	-60 34	3604		Carina
	2	76728	3.93	B8	8h 52.8	-60 16	3571	1285	c Carinae = Carina
	3	76538	5.81	B3	8h 51. 6	-59 59	3560		
?	4	76188	8.2	G0	8h 49. 4	-60 0 ✓	—		
	5	76234	7.6	B9	8h 49. 7	-61 3 ✓	—		
X 13661	1	15975	7.2	K0	2h 28.9	-35 5	744		λ1 Fornacis
	2	16417	7.3	G5	2h 32. 8	-33 0	772		λ2 Fornacis
	3	16715	8.9	K0	2h 35. 6	-35 28	—		
	5	16690	9.0	K0	2h 35. 4	-34 57	—		
	4	16404	8.7	K0	2h 32. 7	-35 45	—		
	1	~~77615~~ 76728	~~7.6~~ 3.9	~~K0~~	~~8 58 5 -60 34~~				

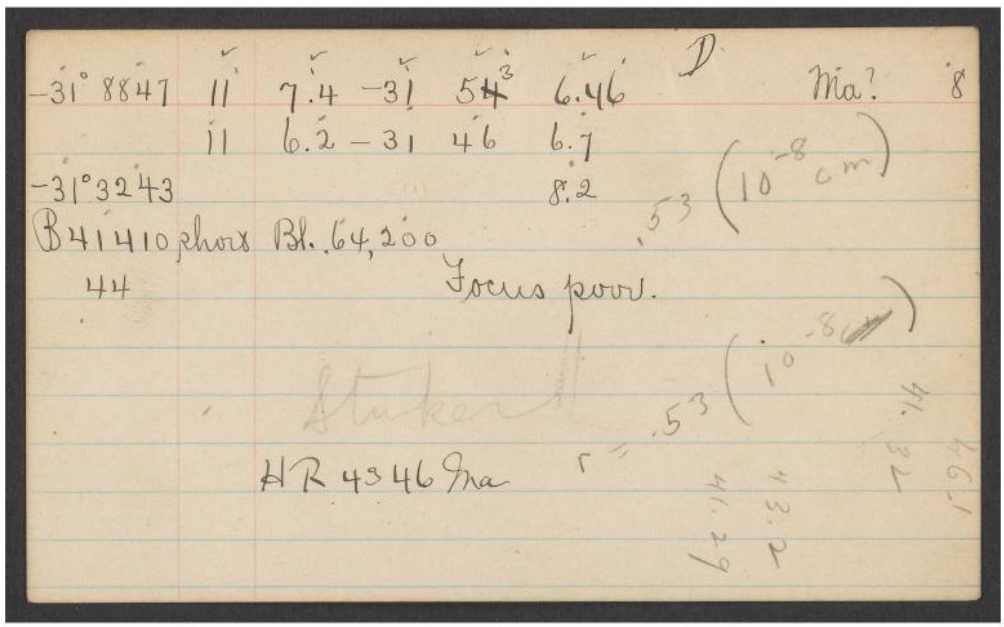
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Plate No	Star No	HD	HP No.	Mag	Sp.	Measured		
X-13550	1	HD 157744 6461	1198	5.5	K2	✓	β Arae	$17^h17.0$ $-55\ 26$ $-55°8100$
	2	H.D. 157746 6462	1198	3.29	B1	✓	γ Arae	$17^h17.0$ $-56\ 17$ $-56°8225$
X-13898	* 2	HD 190056	1195	7.3	K0	✓		
	** 1	HD 189328	1196	7.8	A0	✓		
	** 3	HD 190306	1197	7.2	B8	✓		
X	* 4	190528	1196	8.4	G5	✓	~~18^h $-32°$~~	
X-13889	* 4	174500 7097	1177	6.9	A2	✓	$18^h45.6$, $-46°42$	$-46°12676$
	* 5	H.D. 174779	1175	7.3	A0	✓	$18^h47.1$ $-45°36$	$-47°12839$
	** 1	173791 7065	1177	7.0	K0	✓	$18^h42.0$, $-45°55$	$-45°12779$
	** 6	HD 173697	1178	8.2	G5	✓	$18^h41.5$, $-45°23$	$-45°12772$
	** 3	HD 173623	1178	8.2	K2	✓	$18^h41.1$, $-46°34$,	$-46°12626$
	2	7092 HD	1176	6.9	M2	✓	$18^h45.1$, $-46°42$	$-46°12669$
	7	174095	1176	7.8	A3	✓	$18^h45.7$ $-45°8$	$-45°12797$ nucleus
X-13742	* 1	6786	1176	7.1	K0	✓	$18^h3.8$, $-30°45$	
	* 2	6746	1170	3.07	K0	✓	γ Sgr	
				var	..	✓	W Sgr	$17^h28.6$, $-29°35$
X-13594	4	7268	1180	6.5	B8	✓	ι Sgr	$19^h4.2$ $-39\ 10$
	2*	7242	1180	6.4	K0	✓	ε CrA	$19^h1.3$ $-40\ 39$
	* 1	7259	1179	6.2	G5	✓	β CrA	$19^h3.1$, $-39\ 30$
?	3		1179					
X-13503	* 2	7747	1193	5.11	Gop	✓	α_1 Cap	$20^h12.1$ $-12\ 49$
	* 3	7754	1181	4.55	G5	✓	α_2 Cap	$20^h12.5$ $-12\ 51$
	** 4	7773	1194	4.84	A0	✓	ν Cap	$20^h15.1$ $-13\ 4$
	** 1	7738	1193	6.39	Bq A	✓	3 Cap	$20^h10.9$ $-12\ 39$
X-13871	1	5308	1172	5.48	G-2			
	2	5319	1171	6.30	K			
	3	5297	1173	4.78	K			
	4	5311 HD	1172	6.23	A5			
	5	124995	1171	8.13	B8			
X-13786	3	HD 88366 3999	1199	Var	Md	✓	$10^h6.2$ $-61°.4$	S Carinae
	* 2	4022	1200	6.48	B3		$10^h10.1$ $-61°9$	
	1	4050	1199	5.5	K5	✓	$10^h13.7$ $-60°50$	
	* 4	886 95	1200	8.4	B8			

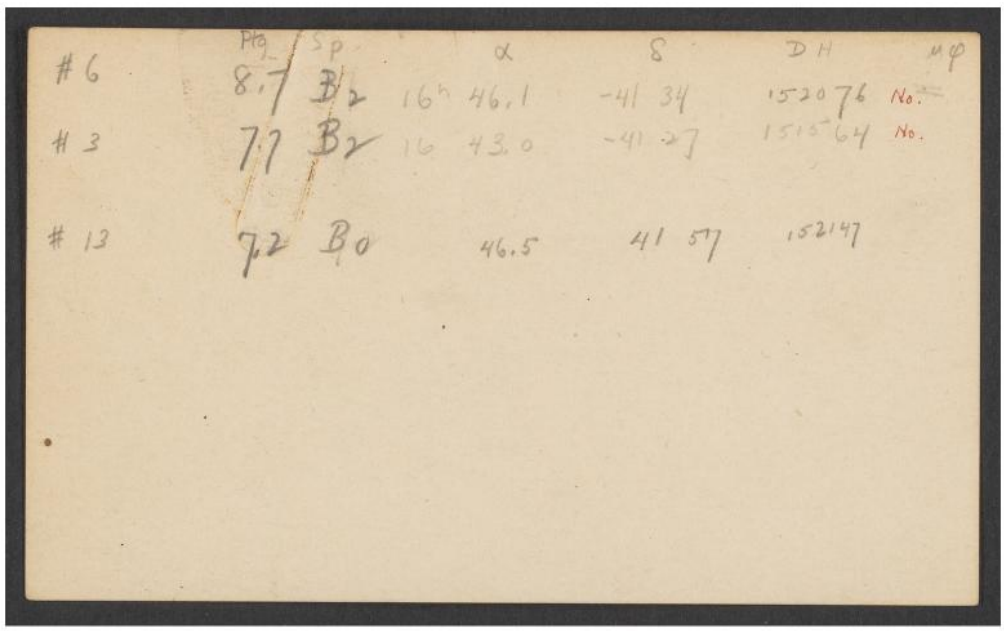
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Field of ζ¹ Scorpii

Plate No.	Star No.	μφ	
X-12546	1	1201	
	9	1201	
	10	1202	
	11	1202	
	19	1203	
	12	1203	
	14	1207	
	16	1207	
	18	1208	
	20	1208	
	15	1209	
	5	1209	
	7	1210	
	8	1210	
	4	1211	
	2	1211	
X-13535	19	1227	
	12	1227	
	9	1228	
	10	1228	
	11	1229	
	14	1229	
	5	1230	
	1	1230	
X-13534	7	1231	
	1	1231	
	5	1232	
?	6	1232	HD 152076
	2	1233	
	8	1233	
	4	1234	
?	3	1234	HD 151564
?	13	1235	HD. 152147
	11	1235	
	9	1236	
	10	1236	

Plate No.	Star No.	μφ	
X-13534	12	1237	
	19	1237	
	18	1238	
	14	1238	
	15	1239	
	17	1239	
X-13536	1240	6	
		5	
	1241	1	
		2	
	1242	8	
		7	
	1243	4	
	1	3	
	1244	19	
		13	
	1245	11	
		12	
	1246	10	
		9	
	1247	5	μφ 1240
		18	
	1248	17	
		14	
	1249	20	
		15	
	1250	16	

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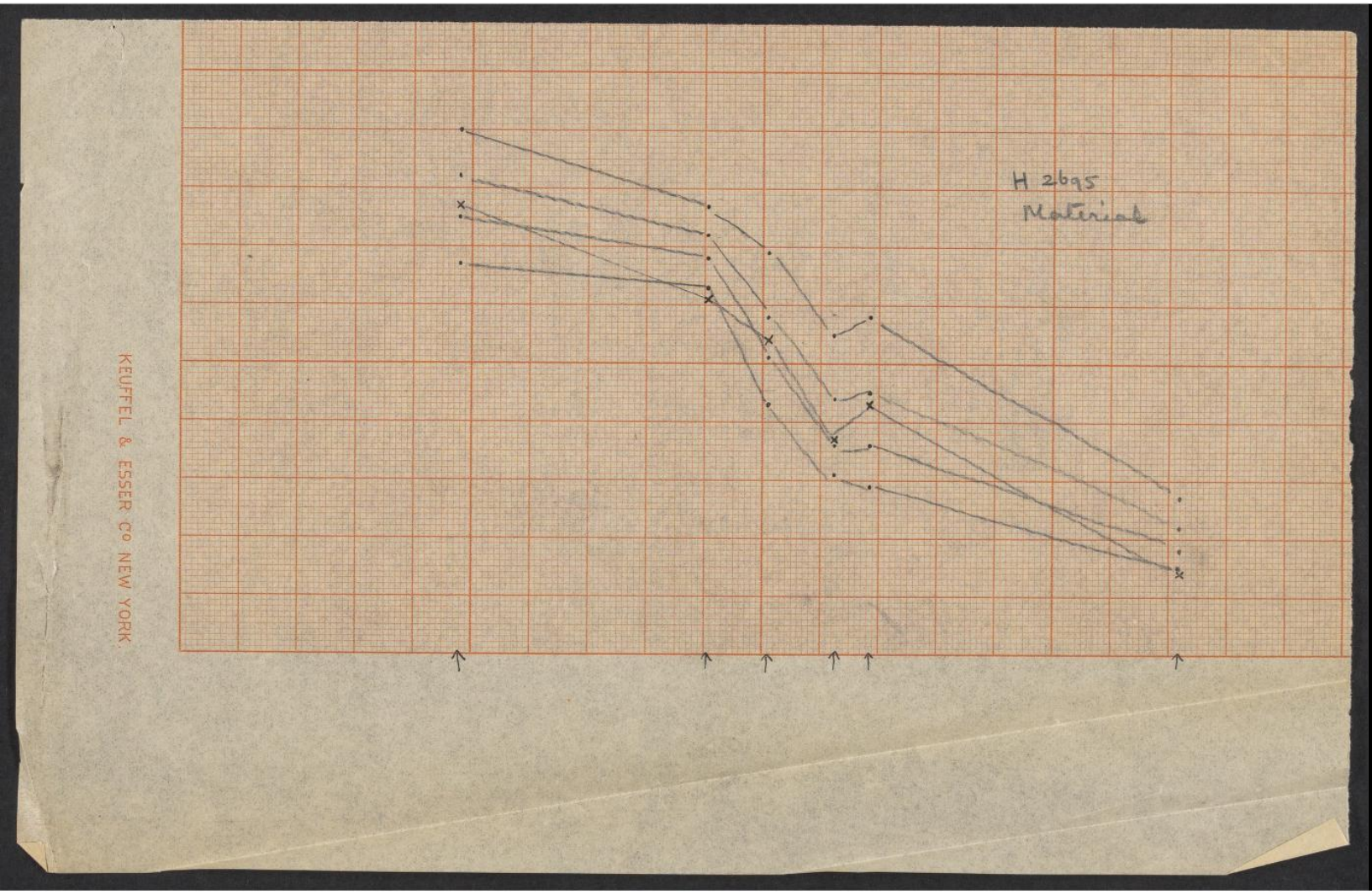
1926plae.proj.1109P

Time

Arthur R. Sayer

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1926pA



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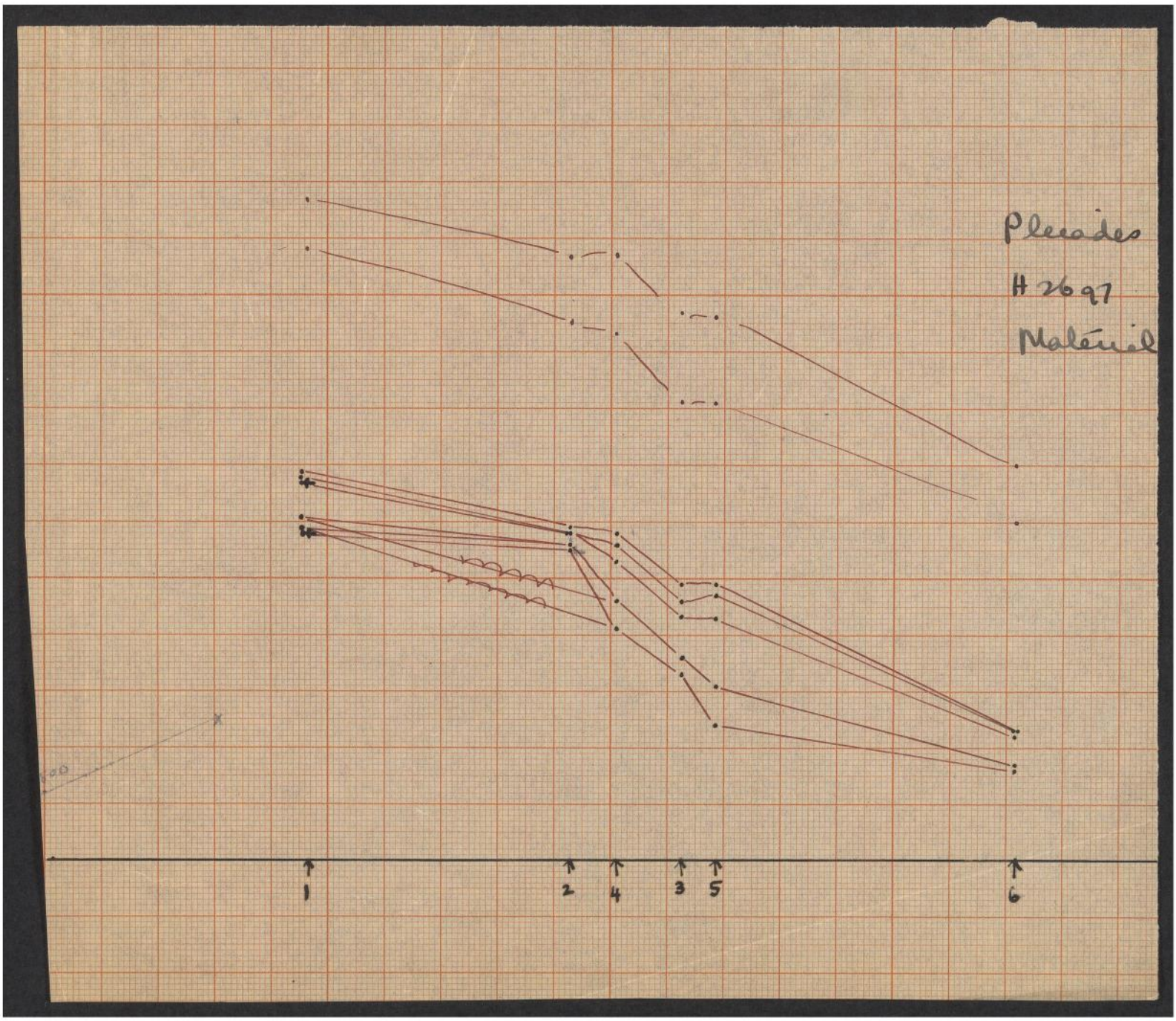
1926phae.proj.1109P

Reduction Table H 2697. Hδ - Hβ

5	400	31	230	61	80
6	396	32	226	62	72
7	386	33	223	63	63
8	378	34	220	64	50
9	370	35	216	65	40
10	362	36	213	66	32
11	355	37	210	67	21
12	348	38	206	68	14
13	340	39	203	69	4
14	334	40	200	70	--
15	326	41	196		
16	318	42	192		
17	310	43	188		
18	300	44	184		
19	292	45	180		
20	285	46	176		
21	278	47	169		
22	272	48	162		
23	266	49	156		
24	262	50	152		
25	258	51	146		
26	252	52	140		
27	248	53	135		
28	243	54	129		
29	239	55	123		
30	234	56	116		
		57	110		
		58	104		
		59	96		
		60	89		

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16106	τ Cet ✓	1 40								
15000	η And	0 51.9								
~~15119~~	~~+74 10~~	0 49.6								
✓ 15119	+74°1006	23 04.7	23 4.7	+74 51	4.56	5.34	G5	218658	π Cephei	✓
✓	+74°1016	23 13.9	+74 46	6.44	6.50	A2	219841			
✓	+74°1002	23 3.2	+75 3	6.70	6.68	B9	218466			
✓ 15130	λ Cep	22 58.1	+58 56 iso plate vg.	5.19	..	Od	210839	ζ Cep		✓
✓	ζ Cep	22 7.4	+57 42	3.62	4.62	K0 ✓	210745	Like α Cas		✓
✓	+58°2395	22 5.3	+58 48	6.86	6.56	A0	210432, 3			
✓ 15178	+22°4833	23 20.4	+22 51	4.57	5.18	G0 ✓	220657	ν Pegasi		✓
✓	+22°4844	23 24.1	+22 31	6.45	7.45	K0 ✓	221113			—
15500	−13°2673	8 42				Stds poor			12 Hya	✓
14913	η Dra	16 21				Stds poor				
	+62 1478									
14952	+69 1053	19 32.6,	+69 29	4.78,	5.78 (Stds poor)	K0 ✓	185144	σ Dra π = 0".20		
✓ 15534	τ Aur	5 42.3	+39 9	4.64,	5.64 (good)	K0 ✓	38656	τ Aur		—
✓		5 44.6	+39 7	4.18,	5.18,	K0, ✓	39003	ν Aur		✓
✓	+39 1435	5 45.7	+39 33	6.46,	6.52,	A2,	39182			—
—	+ another	—								
15548	+48 2459	15 0.5							44 Boo	✓
	+48 2262									
	+47 4492									
✓ 15554	κ Aur	6 09.0	+29 33	4.45,	5.45,	K0, ✓	43039,	κ Aurigae		✓
	~~six~~	std	stars:							
	~~+28~~ 1036									
✓	~~+29 1170~~	6 4.9	+28 56	7.63,	7.58,	B8,	42314			
✓	+30 1172	6 10.0	+30 9	6.87,	6.85,	B9,	43228			
✓	+29 1165	6 11.4	+29 15	7.7	7.7	A0	43495			
✓	+28 1062	6 10.1	+28 54	7.31	7.37	A2p	43246	(4077 strong)		
✓	~~+29 1170~~ ~~+28 1036~~	6 12.2	+29 49	6.86,	6.86,	A0,	43646			
✓	+30 1177	6 10.5	+30 2	8.11	8.17	A2	43314			
15669	+37 2080	10 22				Stds not good			β LMi	
	+37 2088									
✓ 15743	+19 2870	14 ~~47~~ 46.8	+19 31	4.64,	5.42,	G5 ✓	R 131156	ξ Boo comp. Ftr comp.	K4 (A4)	✓
✓	+19 2881	14 48.9	+19 34	5.98,	6.98,	K0 ✓	131511			—
✓	+20 3026	14 44.9	+19 54	6.89,	6.87,	B9	130767			

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	15579	+0	3307	15	11.0					–
		+1	3059							
		+1	3052							
		+0	3327							
		+0	3322							
✓	15595	+41	2380	13	13.1	+41 6	4.66, 4.94, F0 ✓, 115604			–
✓		+41	2374	13	11.0	+41 23	5.68, 5.82, A5, 115271			–
✓		+40	2633	13	9.2	+40 41	5.05, 6.05, K0 ✓, 115004			–
✓		+40	2647	13	15.8	+40 41	5.69, 6.69, K0 ✓, 116010			–
	15597	+41	2611	15	28.2					
		+41	2609							
✓	15553	+27	899	5	47.0	+27 35	4.54	4.54	A0	39357 –
✓		+27	888	5	44.6	+27 56	5.65, 6.65, K0 ✓, 39004			–
✓		+28	918	5	45.2	+28 4	8.1	8.1	A0	39096 –
✓		+27	886	5	44.4	+27 28	7.14, 7.56, F5 ✓, 38980			–
✓		+27	914							
✓		~~+28~~	~~918~~	5	49.4	+27 42	7.7	7.8	B2	39746 –
✓		+27	906	5	48.8	+27 19	8.0	8.4	F5 ✓	39644 –
✓		+27	880	5	43.3	+27 31	7.29, 8.29, K0 ✓, 38807			–
	15573	−11	2820	10	5.7					–
		−12	3101							
		−11	2818							
	15545	+3	2504	11	22.8					83 Lyn ✓
?		+3	2502,3							
		+3	2506							
✓	14974	+32	4349	22	~~4.8~~ 5	+32 41	5.65	6.65	K0 ✓, 210354	–
✓		+32	4352	22	5.5	+32 41	4.38	4.80	F5 ✓	210459 π Pegasi ✓
✓	15957	+38	4431	21	13.5	cstrn +38 59	4.28	4.28	Aop	202850 σ Cyg ✓ narrow lines
✓		+39	4519	21	15.1	+39 19	6.64	6.64	A0	203112
✓	17014	θ Lyr		19	12.9	+37 57	4.46, 3.46, K0 ✓, θ Lyr, 180809			✓
✓		37	3413	19	15.5	+37 16	6.19	6.19	A0	181470
✓		37	3417	19	16.2	+37 9	6.36	7.14	G5 ✓	181656 –
✓	17054	+47	3492	21	03.2	+47 15	4.88	6.06	K5 ✓	01 210251 f² Cyg ✓
✓		+47	33223 213 ?	21	7.1	+47 17	6.36	6.24	B5	201836 –
✓		+46	3159	21	0.3	+46 29	6.30	6.44	A5	200753 –
		another								
	16676	+8	345	2	08					–
		+7	347							–

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2434	ξ Tau	..								
	o Tau	✓								
2326	48 Tau	.. –								
	64 Tau	–								
	68 Tau	A2 ✓								
2742	61 Cyg		appalling plate							
1317	π Her									
1374	α Dra		poor std							
✓ 17325	+59 1926.5 ✓	18 49.7 58	+59 16	4.78	5.78	K0 ✓	175306	o Draconis	✓	
✓	+59 1926	18 50.6	+59 33	6.68	6.66	B9	175511			
✓	+59 1924	18 52.3	+59 53	6.94	6.82	B5	175863			
17068	ε Psc		poor std							
17233	α Tau		for UV							
✓ 17246	+59 1925 ✓	18 49.7 50	+59 16	4.78	5.78	K0 ✓	175306	o Dra	✓	
17064	χ Cas	1 27	✓							
16513	+30 2653	15 19	✓	η CrB						
	+30 2647									
16550	+68 949									
	+68 938									
16587	+11 2821	15 36	✓	ξ Ser						
	+10 2884									
✓ 16652	+22 3524	18 50.5 +22 32 (Comp)		4.56	5.12	G0 A2	175492,3,	35".82	113 Her	
16849	γ Cornae	12 22	✓							
✓ 16860	+26 3034	17 26.7 +26 11		4.48	5.48	K0,	158899,	λ Herculis		
✓ 16905	+37 4359	21 30.7 +38 5		4.98	5.98	K0 ✓	205512	72 Cyg		
16915	+8 4261	19 49								
✓ 16938	+47 3292	21 03	f² Cygni see above	✓						
✓ 16939	+37 3398	19 138	std poor β Lyrae see above	✓						
✓ 16953	+70 1193	21 40	21 40.5 +70 51	4.85,	5.85	K0 ✓		11 Cep		
✓ 16984	+49 4028	23 39.7	+49 30	4.91	5.91	K0 ✓	218031	3 And		
✓	+48 3944	23 3.2	+48 45	5.83	6.11	F0	218470	–		
✓ 16985	55 Peg	23 02						✓		
✓ 15883	-5 4840	18 56.3	-5 53	4.15,	5.15	K0 ✓	176678	i Aquilae	✓	12 Aql
✓ 15906	+68 949	17 37.5	+68 48	4.67,	5.29	F5 ✓	160922	ω Dra	✓	
✓	+68 938	17 32.4	+68 12	5.21,	6.21,	K0,	159966	ξ Dra	–	
16022	χ Psc	1 6.1						✓		
	+19 185									

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16023	δ Ari	3	06	✓	
16043	A¹ Tau	3	59		
	A² Tau				
16084	+19 4691	4	18	✓	
16143	o Psc	1	40	✓	
16203	μ Cas	1	05		
16495	+32 1821	8	51		—
17250	+71 915	18	55.6	+71 10	4.91, 59, K0, 176524 ν Draconis —
17727	α Boo				for UV?
15989	−19 6152	21	37		—
15342	−19 1967	7	32		—
15258	−8 2593	9	04		—
15285	+39 610	2	36		—
16458	+21 1602	7	22		—
16459	+34 1649	7	33		o Gem
	+35 1662				
1616	ε Per				
1617	φ² Ori				
1663	θ Per				for UV
1666	o UMa				for UV. std poor
1795	ε Hya	8	41		✓

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AMERICAN SECTION, INTERNATIONAL ASTRONOMICAL UNION

Office of the Secretary

Princeton University Observatory
Princeton, New Jersey
September 30, 1927

Miss Cecilia H. Payne
Harvard College Observatory
Cambridge, Mass.

Dear Miss Payne:

You have been added to the Committee on Spectral Classification of Stars of the American Section by the chairman of that committee. He will communicate with you in regard to making a report to the Section.

Yours very truly,

Raymond S. Dugan

Secretary.

RSD/HY

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ITG 11366.108

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No.	Name	RA	Dec	m	Sp	π
Nov. 17, '26 ✓ 6	β Cass.	0 3.8	+58 36	2.4	F5	71±
✓ 7	22 Androm	0 5.1	+45 31	5.1	F.0	−7±10
✓ 10	λ Pegas.	0 9.4	+19 39	4.9	Ma	−9± 8
✓ 14	σ Andrm.	0 14.1	+36 14	4.5	A2	14± 9
✓ 28	ζ Cass.	0 31.4	+53 21	3.7	B3	−21± 7
✓ 29	π Andrm.	0 81.5	+33 10	4.4	B3	−8+11
✓ 31	ε Androm.	0 83.3	+28 46	4.5	G5	40±6
✓ 32	δ Andrm	0 34.0	+ 30 19	3.5	K2	26±6
✓ 36	α Cass.	0 34.8	+ 55 59	2.5	K0	16±7
✓ 47	ζ Androm.	0 42.0	+ 23 43	4.3	K0	34±6

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Plate

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No.	Name	R.a.	Dec.	m	Sp.	v
48	η Cass	0 43.0	+57 17	3.6	F8	182±5
51	δ Psc.	0 43.5	+ 7 02	4.5	K5	14± 9
58	γ Cass.	0 50.7	+60 11	2.2	B0p	36± 9
59	28 Cass.	0 50.7	+58 38	4.8	K0	70± 9
	26 Cas					
60	μ Androm	0 51.2	+37 57	3.9	G2	33±6
61	η Androm.	0 51.9	+22 53	4.6	G5	8± 9
68	ε Psc.	0 57.8	+ 7 21	4.4	K0	25± 6
73	ϕ Andrm.	1 3.7	+ 46 43	4.3	B8	11+12

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Plate

862 ✓
876 ✓
1450 ✓
761 ✓
720 ?
2222 ✓
2258 ✓
681 ✓
683 ✓
877 ✓
884 ✓
891 ✓
2227 ✓
2259 ✓
2819 ✓
2475 ✓
2996 ✓
3854 ✓
3864 ✓
16997 ✓
17076 ✓
2925 ✓
2955 ✓
✓ 15000 ✓ Mp 2293
14922 ✓
17068 ✓
15950 ✓

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1926phae.proj.1106P

No.	Name	R.A.	Dec.	m	Sp.	π
75	β Androm.	1 4.1	+35 05	2.4	Ma	.45 ± 6
76	θ Cass.	1 5.0	+54 37	4.5	a5	7 ± 4
77	χ Pisc.	1 6.1	+20 30	4.9	K0	10 ± 9
78	φ Pisc.	1 8.3	+24 03	4.6	K0	-8 ± 8
79	ξ Pisc.	1 8.5	+ 7 03	5.6	a5	22 ± 9
85	ν Pisc.	1 14.0	+26 44	4.7	a2	13 ± 8
✓ 91.	Polaris	1 22.6	+88 46	Var.	F8	.007 ± 7

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Plate

721 ✓
725 ✓
737 ✓
744 ✓
1373 ✓
2217 ✓
3081 ✓
15267 ✓
✓ 16203 ✓
✓ 16022 ✓ μφ 2340
16999 ✓
17004 ✓
17102 ✓
16105 ✓
16257 ✓
16645 ✓
15143 –
16227 –
16799 ? ✓
1593 ✓
1602 ✓
1604 ✓
1610 ✓
1873 ✓
1885 ✓
2134 ✓
2136 ✓
2146 ✓

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No.	Name	RA	Dec.	m	Sp.	π
Cont. 91	Polaris	1 22.6	+88 46	Var.	F8	.007±7
95	π Psc.	1 26.1	+14 50	3.7	G5	9±6
98	χ Cass.	1 27.4	+58 48	4.9	K0	17±8
101	ν Andrm	1 30.9	+40 54	4.2	G0	61±7
102	ν Persei	1 31.9	+48 07	3.8	K0	17±7
109.	ν Psc.	1 36.2	+4 59	4.7	K0	52±9
112	φ Persei	1 37.4	+50 11	4.2	B0p	20±17
✓ 113	τ Ceti	1 39.4	−16 28	3.6	K0	315±9

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Plate

12508
12531
12557
12558
12559
12561
12567
12569
12570
12574
12582
1605
1629
17002
17064
15092
16166
16664
1697
2323
16994
848
916
1594
1615
2425
16106 mp

16106 No std.

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No.	Name	R.A.	Dec.	m	Sp.	π
114	o Psc.	1 40.1	+8 39	4.5	K0	14 ± 9
120	ε Cass.	1 47.2	+63 11	3.4	B3	1 ± 10
122	a Trian.	1 47.4	+29 06	3.6	F5	51 ± 8
123	β Aries	1 49.1	+20 19	2.7	A5	64 ± 6
128	λ Aries	1 52.4	+23 07	4.8	A5	25 ± 9
130	γ Andrm.	1 57.8	+41 51	2.3	K0	7 ± 4
133	a Aries	2 1.5	+22 59	2.2	K2	33 ± 9
~~156~~	~~73 Ceti~~	~~2 22.8~~	~~+8 01~~	~~4.3~~	~~A0~~	~~21 ± 8~~
156	73 Ceti	2 22.8	+8 01	4.3	A0	21 ± 8
165	33 Aries	2 34.8	+26 38	5.4	A2	-3 ± 6
168	θ Persei	2 37.4	+48. 48	4.2	F8	80 ± 5
170	γ Ceti	2 38.1	+2 49	3.6	A2	46 ± 5
171	μ Ceti	2 39.5	+9 42	4.4	F0	32 ± 8
173	39 Aries	2 42.0	+28 50	4.6	K0	26 ± 9
175	η Persei	2 43.4	+55 29	3.9	K0	-1 ± 6
179	ν Persei	2 45.4	+34 39	4.7	K5	.009 ± 9

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Plate

✓	15052
✓	16143
	753
	818
	1743
	1621
	1607
✓	1583
	2112
✓	2120
	9631
	9632
	15977
	1448
✓	3041
	13739
	13740
	15036
	16270
	1611
	1663
	2141
	2322
	17065
	1640
	17220

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No.	Name	R.A.	Dec.	m	Sp.	π
183	τ Persei	2 47.2	+52. 21	4.1	cmp	19 ± 10
192	ε Aries	2 53.5	+ 20 55	4.6	A2	10 ± 12
195	α Ceti	2 57.1	+ 3 42	2.8	ma	11 ± 7
196	γ Persei	2 57.6	+ 53 07	3.1	cmp	12 ± 6
197	ρ Persei	2 58.8	+ 38 27	Var.	mb	38 ± 12
198	Algol	3 1.7	+ 40 34	Var.	B8	27 ± 10
202	κ Persei	3 2.7	+ 44 29	4.0	K0	29 ± 7
✓ 204	δ Aries	3 5.9	+ 19 21	4.5	K0	47 ± 34
210	3 Aries	3 9.2	+ 20 40	5.0	A0	16 ± 9
214	PGC 746	3 12.5	+ 33 51	4.9	K0	11 ± 8
217	χ Ceti	3 14.1	+ 3 00	5.0	g5	116 ± 8

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Plate

1616 –
2320 –
15245 –
291 –
842 –
2942 –
2972 ✓
283 –
695 –
705 –
1453 –
2218 –
674 –
684 –
709 ✓
724 –
783 –
784 –
13686 –
1655 –
✓ 16823 – pp 2343
16170 –
15254 –
17012 –
16995 –

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No.	Name	RA.	Dec.	m	Sp.	π
220	a Persei	3 17.2	+49 30	1.9	F6	15 ± 8
221	o Tauri	3 19.4	+ 8 41	3.8	G5	5± 9
223	34 Persei	3 22.2	+49 10	4.7	B5	13± 9
224	6 Persei	3 23.5	+47 39	4.6	K0	.012± 9
228	E Eridn	3 28.2	− 9 48	3.8	K0	310 ± 8
232	10 Tauri	3 31.8	+ 0 05	4.4	G5	54± 5
234	δ Persei	3 35.8	+ 47 28	3.1	B5	5± 11
237	o Persei	3 38.0	+ 31 58	3.9	B1	13± 7
242	r Persei	3 38.4	+ 42 16	3.9	F5	17± 7
243	δ Eridn.	3 38.5	− 10 06	3.7	K0	137± 11
257	Alcyone	3 41.5	+ 23 48	3.0	B5p	7± 10

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Plates

✓ 2113	–
2235	✓
2253	✓
2257	–
✓ 2124	✓
2484	–
2257	–
2464	–
1685	–
15153	–
16121	–
2966	–
3029	✓
1569	–
3870	–
16117	–
✓ 294	–
890	–
1631	–
9527	–
9541	–
9598	–
9618	✓
9862	✓
16335	–
16341	–
16350	–

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No.	Name	RA.	Dec.	m	Sp.	π
269	27 Tauri	3 43.2	+23 45	3.8	B8	−26 ± 12
278	ζ Persei	3 47.8	+31 35	2.9	B1	− 3 ± 11
282	ε Persei	3 51.1	+39 43	3.0	B1	−12 ± 11
283	ζ Persei	3 52.5	+35 30	4.0	Ae5	− 3 ± 16
284	γ Eridn	3 53.4	−13 48	3.2	K5	18 ± 11
287	λ Tauri	3 55.1	+12 12	Var.	B3	− 8 ± 9
289	ν Tauri	3 57.8	+ 5 43	3.9	A0	13 ± 9
291	36 Tauri	3 58.4	+23 50	5.7	cmp	11 ± 7
293	37 "	3 58.8	+21 49	4.5	K0	3 ± 7
296	48 Persei	4 1.4	+47 27	4.0	B3p	15 ± 10
303	μ Persei	4 7.6	+48 09	4.3	G0	28 ± 12
309	o^2 Eridn	4 10.7	− 7 49	4.5	G5	203 ± 8
314	γ Tauri	4 14.1	+15 23	3.9	K0	29 ± 34
317	58 Tauri	4 14.9	+14 51	5.3	F0	26 ± 3
325	δ Tauri	4 17.2	+17 18	3.9	K0	17 ± 9

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1926phae.proj.1109P

Plates

294
1389
3049
3072
2975.
2496
762
766
702
679
728
792
870
918
1660
3073
17192
16043
16052
1681
15148
16749
17213
16749
17217
17257
2326

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1926phae.proj.1199P

Started

	No.	Name	R.A.	Dec.	m	Sp.	π
	326	63 Tauri	4 17.7	+16 33	5.7	A2	26± 3
Nov. 18,'26	334	ξ Eridn	4 18.7	− 3 59	5.2	A2	15± 9
	336	κ Tauri	4 19.4	+22 04	4.4	A3	24± 3
	338	68 Tauri	4 19.7	+17 42	4.2	A2	25± 3
	344	71 "	4 20.6	+ 15 23	4.6	A5	−15± 31
	350	ε "	4 22.8	+ 18 58	3.6	K0	31± 8
	358	79 Tauri	4 23.2	+ 12 50	5.1	A5	27± 3
	358	pGC 1054	4 23.8	+ 15 59	4.8	A5	28± 3
	367	ρ Tauri	4 28.2	+ 14 38	4.8	A5	23± 7
✓	374	α Tauri	4 30.2	+ 16 18	1.1	K5	57± 5
	381	90 Tauri	4 32.6	+ 12 19	4.3	A3	27± 3
✓	383	δ' "	4 33.4	+ 15 36	5.2	A2	57±28
✓	384	0^2 Tauri	4 33.6	+ 15 43	4.8	A3	22± 3
	398	α Camel.	4 44.1	+ 66 10	4.4	B0	−25± 18

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1926phae.proj.1109P

Plates

2326 –
16141
16282
✓ 2326 –
2978. ✓
16759
17141
16053
3082 ✓
16221
16067
✓ 292 ✓
1442 ✓
1600 ✓
1584 ✓
1673 ✓
1698 ✓
9878 ✓
11609
17791
16092
292 ✓
17227
17233
17317
15171

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1926phae.proj.1109P

No.	Name	R.A.	Dec.	m	Sp.	π
400	π^3 Orion	4 44.4	+ 6 47	3.3	F8	136 ± 6
403	97 Tauri	4 45.5	+18 40	5.1	F0	25 ± 3
405	π^4 Orion	4 45.9	+ 5 26	3.8	B3	0 ± 6
408	π^5 Orion	4 49.0	+ 2 17	3.9	B3	3 ± 11
410	L Aurigae	4 50.5	+33 00	2.9	K2	18 ± 7
✓ 418	ε Aurigae	4 54.8	+43 41	Var.	F5p	2 ± 7
419	γ Aurigae	4 55.5	+40 56	3.9	cmp	−3 ± 8
422	η Aurigae	4 59.5	+41 06	3.3	B3	14 ± 10
426	ε Leporis	5 1.2	−22 30	3.3	K5	22 ± 12
430	β Eridani	5 2.9	− 5 13	2.9	A3	52 ± 10
435	μ Aurigae	5 6.6	+38 22	4.8	A3	68 ± 34

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1926phae.proj..108P

plates

1475 ✓
1625 ✓
1624 –
17228
17234
1650 ✓
2540 ✓
4328 –
1580 ✓
1762 ✓
2213 ✓
? 2310 –
1567 ✓
2491 ✓
2497 ✓
2527 ✓
1567 –
2491 –
2497 –
2527 –
1754 ✓
2224 ✓
2231 ✓
16081
16406

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1926phae.proj.1100P

no	Name	RA.	Dec.	m	Sp.	π
✓ 438	Capella	5 9.3	+45 54	0.2	G0	75 ± 3
441	λ Aurigae	5 12.1	+40 01	4.8	G0	68 ± 5
~~447~~	~~β Tauri~~	~~5 20.0~~	~~+28 31~~	~~1.8~~	~~B8~~	~~24 ± 7~~
✓ 446	γ Orionis	5 19.8	+ 6 16	1.7	B2	19 ± 7
449	ψ Orionis	5 21.6	+ 3 01	4.7	B2	−12 ± 9
459	δ Orionis	5 26.9	− 0 22	2.5	B0	9 ± 9
460	a Leporis	5 28.3	−17 54	2.7	F0	14 ± 9
461	37 Orion.	5 29.3	+ 9 25	4.5	B0	2 ± 13
463	θ' Orion	5 30.4	− 5 27	5.4	Oe5	−14 ± 10
464	ε Orionis	5 31.1	− 1 16	1.8	B0	5 ± 19
465	50 Orion	5 31.4	+ 9 14	4.4	K0	27 ± 6
466	ξ Tauri	5 31.7	+21 05	3.0	B3p	−1 ± 9

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1926phae.proj.1109P

Plates

2241 ✓
9084 ✓
14237
14687
14693
16765

2447 ✓
3051 ✓
15527
1468 ✓
2243 ✓
1617 ✓
2436 ✓
9626 ✓
9627 ✓
9656 ✓
9665 ✓
9727 ✓
9728 ✓
9729 ✓
9730 ✓
13021
13025
1617 –
2486 –
15492

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1926phae.proj.1100P

No	Name	R.A.	Dec	m	Sp	π
469	6 Orionis	5 33.7	+ 2 39	3.8	B0	−9 ± 8
470	126 Tauri	5 35.5	+16 29	4.9	B3	7 ± 27
471	ζ Orionis	5 35.7	− 2 00	2.0	B0	−19 ± 19
473	δ Aurigae	5 38.2	+49 47	5.5	A0	.014 ± 9
476	γ Leporis	5 40.3	−22 29	3.8	F8	149 ± 9
479	κ Orionis	5 43.0	− 9 42	2.2	B0	29 ± 20
✓ 480	χ Aurigae	5 44.6	+39 07	4.2	K0	19 ± 8
481	ξ "	5 46.5	+55 41	4.9	A2	−14 ± 34
✓ 482	δ Leporis	5 47.0	+20 53	3.9	K0	24 ± 11
484	λ Orionis	5 48.5	+20 15	4.6	F8	104 ± 6

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1926phae.proj.1109P

Plates

9531 ✓
9532 ✓
9542 ✓
9543 ✓
9607 ✓
9608 ✓
16352
9531 –
9532 –
9542 –
9543 –
9607 –
9608 –
9613 –
11694
16358
16378
17363
3035 ✓
3050 ✓
3095 –
2244 –
✓ 15534 Microphotometered sep 2001 - 2004 M = 0.6
16354
2521 ✓
286 –
9922 ✓

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1926phae.proj.1106P

no.	name	R.A.	Dec.	m	Sp	π
485	α Orionis	5 49.8	+7 23	var.	Ma	17 ± 4
489	δ Aurigae	5 51.3	+54 17	3.9	K0	18 ± 5
492	β "	5 52.2	+44 56	2.1	A0p	34 ± 6
491	η Leporis	5 57.9	−14 11	3.8	F.0	36 ± 9
494	θ Aurigae	5 52.9	+37 12	2.7	A0p	16 ± 9
582	ζ Gemin	5 58.0	+23 16	4.3	G5	28 ± 6
512	η Gemin	6 8.8	+22 32	var.	Ma	14 ± 6

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1926phae.proj.1109P

Plates

293 ✓
745 ✓
752 ✓
796 ✓
803 ✓
1586 ✓
1601 ✓
1675 -
1698 -
9032 ✓
2616 ✓
2260 ✓
2264 ✓
2269 ✓
2303 ✓
2309 ✓
2313 ✓
2325 ✓
13077
13593
18189
1670
2311 ✓
16045
767 ✓
854 ✓
919 ✓
1465 ✓

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1926phae.proj.110MP

no.	Name	R.A.	Dec	m	Sp	π
✓ 513	K κ Aurigae	6 9.0	+29 32	4.4	K0	14 ± 7
514	71 Orion.	6 9.0	+19 11	5.2	F5	36 ± 9
520	2 Lyncis	6 10.8	+59 03	4.4	A0	34 ± 11
517	γ Monoc.	6 10.0	− 6 15	4.1	K0	.014 ± 7
522	74 Orion.	6 10.8	+12 18	5.1	F5	39 ± 8
528	μ Gemin.	6 16.9	+22 34	3.2	Ma	16 ± 5
532	ζ Monoc.	6 19.8	+7 08	var.	G5	−7 ± 9
537	RS Aurig.	6 22.1	+30 33	var.	G0	8 ± 5
548	PGC 1673	6 29.2	+79 40	5.6	F8	40 ± 8
556	γ Gemin.	6 31.9	+16 29	1.9	A0	43 ± 6
560	15 Monoc.	6 35.5	+ 9 59	4.7	A5	−.002 ± 9
563	ε Gemin.	6 37.8	+25 14	3.2	G5	7 ± 6
566	ξ "	6 39.7	+13 00	3.4	F5	48 ± 7

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1926phae.proj.1109P

Plates

15554
2482
13113
16465
16707
16737
768
773
2219
10069
11636
2504
16515
895
920
2621
2265
703
716
776
4454
4470
4506
4531

1641
1637
2578

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1926phae.proj.1100P

no.	name	RA.	Dec.	m	Sp.	π
568	Sirius	6 40.7	−16 35	−1.6	A0	371 ± 4

not looked up

571	18 Monoc.	6 42.6	+ 2 31	4.7	K0	19 ± 10
575	θ Gemin.	6 46.2	+34 05	3.6	A2	19 ± 6
578	15 Lyncis	6 48.6	+58 33	4.5	G0	6 ± 7
579	38 Gemin.	6 49.0	+ 13 18	4.7	F0	44 ± 9
589	ξ Gemin.	6 58.2	+ 20 43	var	G0p	5 ± 6
597	τ Gemin.	7 4.8	+ 30 25	4.5	K0	5 ± 10
601	51 "	7 7.6	+ 16 20	5.3	M6	4 ± 6

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1926phae.proj.1109P

Plates

✓ 3074
3102
12517
12523
13007
13016
13105
13120
13113
13594
13741
13742
17994
15505
3106 ✓
3126 ✓
2255 ✓
15537
697 ✓ modern plates
704 —
727 —
739 —
747 —
1469 —
12361
10000
16410

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1926phae.proj.110SP

No.	Name	RA.	Dec.	m	Sp	π
607	λ Gemin.	7 12.3	+16 43	3.6	A2	38± 8
608	δ Gemin.	7 14.2	+22 10	3.5	F0	60± 6
611	19 Lyncis	7 14.7	+55 28	5.6	B8	7± 7
617	2 Gemin.	7 19.5	+28 00	3.9	K0	25± 6
619	β Canis Min.	7 21.7	+ 8 29	3.1	B8	20±12
621	ρ Gemin.	7 22.7	+31 59	4.2	F0	52± 6
625	6 Canis Min.	7 24.2	+12 13	4.8	K0	19±10
627	68 Gemin.	7 29.9	+16 02	5.1	A2	8± 6
628	α Gemin.	7 28.2	+32 06	2.0	A0	77± 4
630	υ Gemin.	7 29.8	+27 07	4.2	K5	11± 7
631	ο Gemin.	7 32.6	+34 49	4.9	F0	25± 9
633	α Canis Min.	7 34.1	+ 5 29	0.5	F5	312± 6
635	a Monoc.	7 36.5	−9 19	Hd	K0	3±13
636	b Gemin.	7 37.1	+29 08	4.3	K0	20± 8

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1926phae.proj.1109P

Plates

2532 ✓
1575 ✓
2220 ✓
2591 ✓
16418
2242 ✓
2226 ✓
2314 ✓
9649 ✓
9650 ✓
9675 ✓
9676 ✓
9680 ✓
9681 ✓
9708 ✓
1757 ✓
16792
16508
12594
1618 ✓
✓ 16459
✓ 2214 ✓
12553
12574
12583
1452
1869 ✓

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1926phae.proj.1109P

No.	Name	Ra.	Dec	m.	Sp.	π
638	κ Gemin.	7 38.4	+ 24 38	3.7	G5	22 ± 6
✓ 639	β Gemin.	7 39.2	+ 28 16	1.2	K0	101 ± 10
658	27 Lyncis	8 0.9	+ 51 48	4.9	A2	-17 ± 8
660	ρ Puppis	8 3.3	+ 24 01	2.9	F5	28 ± 10
664	ζ Cancri	8 6.5	+ 17 57	4.7	G0	48 ± 7
669	β Cancri	8 11.1	+ 9 30	3.8	K2	-2 ± 6
678	31 Lyncis	8 16.0	+ 43 31	4.4	K5	20 ± 8
685	30 Monoc.	8 20.7	- 3 35	4.0	A0	8 ± 12
697	α Hydrae	8 30.5	+ 6 58	6.0	F5	34 ± 5
698	4 Ursae maj.	8 31.5	+ 64 41	4.8	K0	13 ± 8
702	6 Hydrae	8 33.5	+ 3 42	4.5	K0	14 ± 9
706	B.D. +7°14	8 34.8	- 22 19	5.1	G5	44 ± 9
707	γ Cancri	8 37.5	+ 21 50	4.7	A0	6 ± 9
709	δ Cancri	8 39.0	+ 18 31	4.2	K0	16 ± 7
711	ζ Cancri	8 40.6	+ 29 08	4.2	G5	21 ± 4
712	ε Hydrae	8 41.5	+ 6 47	3.5	F8	15 ± 6

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1926phae.proj.110SP

Plates

1710
1869
9014
9182
12595
15477
16313
2328
1712
16804
17200
1657
16844
2246
2493
1588
2408
16762
17227
17266
17297
17534
15648
15696
16338
1651
1795

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1926phae.proj.1109P

no.	name	R.A.	Dec.		m	Sp.	π
713	12 Hydrae	8	41.7	−13	11	4.4	G5	−3±13
714	ρ "	8	43.1	+ 6	12	4.4	A0	4±16
721	ξ "	8	50.1	+ 6	20	3.3	K0	14± 7
723	2 Ursae maj.	8	52.4	+48	26	3.1	A5	70±22
724	10 Ursae maj.	8	54.2	+42	11	4.1	F5	70± 6
725	13 Ursae maj.	9	1.6	+67	32	4.9	F8	43±10
731	θ Hydrae	9	9.2	+ 2	42	3.8	A0	17± 8
733	38 Lyncis	9	12.6	+37	14	3.8	A2	32± 6
736	a Lyncis	9	15.0	+34	49	3.3	K5	.002±9
739	x Leonis	9	15.8	+ 26	37	4.6	K0	−7± 7
743	a Hydrae	9	22.7	− 8	14	2.2	K2	6±19
745	23 U. maj	9	23.7	+63	30	3.8	F0	29± 8

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1926phae.proj.1109P

Plates

✓ 15500
14741
1802 ✓
1848 ✓
9853 ✓
9854 ✓
9866 ✓
9867 ✓
1861 ✓
1904 ✓
1700 ✓
1765 ✓
1758 ✓
2484 ✓
1822 ✓
2505 ✓
1576 ✓
16800
17245
17280
17311
17331
2517 ✓
2597 ✓
845 ✓
1844 ✓
2586 ✓

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1926phae.proj.1109P

no.	name	R.A.	Dec	m	Sp.	π
746	24 Ursae maj.	9 25.6	+70 16	4.6	G0	43±21
754	o Leonis	9 35.8	+10 21	3.8	cmp.	26± 7
759	ε Leonis	9 40.2	+24 14	3.1	G0p.	-1± 8
760	R Leonis	9 42.2	+11 54	Var.	md	0±10
766	μ Leonis	9 47.1	+26 29	4.1	K0	19± 6
778	d Leonis	10 3.0	+12 27	1.3	B8	58± 9
783	ζ Leonis	10 11.1	+23 55	3.6	F0	9± 6
789	4 U. maj.	10 16.4	+42 00	3.2	K5	34± 7
793	β Leo. min	10 22.1	+37 13	4.4	A0	11±11
795	36 U. maj	10 24.2	+56 30	4.8	F5	80± 7
800	ρ Leonis	10 27.5	+ 9 49	3.8	B0p	29±12
807	37 Leo. min.	10 33.1	+32 30	4.8	G0	21± 9

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1926phae.proj.1109P

Plates

15573
15715
1619 ✓
2312 ✓
2470 ✓
2478 ✓
1841 ✓
2528 ✓
12584
13141
18079
18080
18113
2524 ✓
807 ✓
867 ✓
1041 ✓
2283 ✓
2239 ✓
2520 ✓
✓ 15669 Mp 2295
17242
1658 ✓
1842 ✓
2514 ✓
16786
16787

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1926phae.proj.1109P

no.	name	RA.		Dec.		m	Sp.	π
810	Ursae maj	10	37.7	+46	44	5.3	F0	14 ± 9
818	46 Leo. min	10	47.7	+34	45	3.9	K0	31 ± 6
819	Ursae maj.	10	50.2	+34	02	5.2	K0	−6 ± 34
826	47 U. maj.	10	53.9	+40	58	5.1	G0	78 ± 9
828	β U. maj.	10	55.8	+56	55	2.4	A0	47 ± 2
835	χ Leonis	10	59.9	+	7 53	4.7	F0	10 ± 12
846	δ Leonis	11	8.8	+21	04	2.6	A3	28 ± 10
847	θ "	11	9.0	+15	59	3.4	A0	19 ± 7
850	ξ U. maj	11	12.9	+32	06	3.9	G0	146 ± 6
851	ν U. maj	11	13.1	+33	38	3.7	K0	7 ± 8
853	55 U. maj.	11	13.7	+38	44	4.8	A2	13 ± 25
857	δ Crat.	11	17.3	−14	14	3.8	K0	6 ± 12
857	γ Crat.	11	19.9	−17	08	4.1	A5	30 ± 12
~~858~~	~~83 Leonis~~	11	21.7	+3	33	6.2	K0	~~31 ± 12~~
858	83 Leonis	11	21.7	+3	33	6.2	K0	31 ± 12

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1926phae.proj.11MP

Plate

15556 mp 2323
1677 ✓
1845 ✓
1845 –
9894 ✓
9895 ✓
16379
2266 ✓
15565
16329
16379
2523 ✓
1966 ✓
1679 ✓
9868 ✓
9869 ✓
1831 ✓ 9868, mp 2257
15479
15682
15721
1759 ✓
1797 ✓
2506 ✓
18213
15546?

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1926phae.proj.110MP

No.	Name	R.A.	Dec.	m	Sp	π
868	λ Draco.	11 25.5	+69 53	4.1	Ma	22 ± 6
874	x Ursa. maj.	11 40.8	+48 20	3.8	K0	12 ± 9
873	γ Virgn.	11 40.7	+ 7 05	4.2	Ma	7 ± 10
875	93 Leonis	11 42.8	+20 46	4.5	F8	29 ± 10
878	A "	11 44.0	+15 08	2.2	A2	101 ± 11
879	β Virgn	11 46.5	+ 2 20	3.8	F8	101 ± 7
883	γ U. maj.	11 48.6	+54 15	2.5	A0	4 ± 9
894	δ Virgn.	12 0.1	+ 9 17	4.2	G5	38 ± 10
899	ε Corvi	12 5.0	−22 04	3.2	K0	25 ± 10
907	δ U. Maj.	12 10.5	+57 35	3.4	A2	45 ± 2
~~923~~	~~γ Comae~~	~~12 22.0~~	~~+28 49~~	~~4.6~~	~~K0~~	~~1 ± 8~~
923	γ Comae	12 22.0	+28 49	4.6	K0	1 ± 8
925	δ Corvi	12 24.7	−15 58	3.1	A0	10 ± 7
928	η Corvi	12 26.9	-15 39	4.4	F0	41 ± 13
930	A Can. Ven.	12 29.0	+41 50	4.3	G0	10? ± 6
931	κ Draco.	12 29.2	+70 20	3.9	B5p.	-3 ± 11
938	γ Virgn.	12 36.6	−0 54	2.9	F0	73 ± 22

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1926phae.proj.1109P

Plates

817 ✓
2579 ✓
2594 ✓
1653 ✓
1824 ✓
2639 ✓
15557
2529
1773 —
2518 ✓
1696 ✓
2507 ✓
2526 ✓
18020
16860 ✓
14827
16849
18283
2570 ✓
2622 ✓
2622 —
15379
15496
16516
1965 ✓
2557 ✓
2565 ✓

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1926phae.proj.110MP

no.	name	R.A.	Dec.	m	Sp.	π
942	γ C. Ven.	12 40.4	+45 59	Var	Nb	−9 ± 7
956	ε U. Maj.	12 49.6	+56 30	1.7	A0p	42 ± 2
958	δ Virgn.	12 50.6	+.3 56	3.7	Ma	10 ± 7

Starting Nov. 19, '26

964	40 Comae	13 1.5	+23 09	5.9	Mb	32 ± 12
967	θ Virgn	13 4.8	− 5 00	4.4	A0	7 ± 9
968	42 Comae	13 5.1	+18 03	4.5	F5	69 ± 8
970	β	13 7.2	+28 23	4.3	G0	133 ± 11
975	61 Virgn.	13 13.2	− 17 45	4.8	G5	131 ± 11
976	ζ Hydrae	13 13.5	− 22 39	3.3	G5	17 ± 10
981	η U. Maj	13 19.9	+55 27	2.4	A3p	38 ± 5
982	Spica	13 19.9	− 10 38	1.2	B2	9 ± 10

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1926phae.proj.1109P

Plates

1892 ✓
9885 ✓
9961 ✓
2597 ✓
2849 ✓
868 ✓
881 ✓
888 ✓
914 ✓
1805 ✓
2600 ✓
10061
10135
11696
11759
10055
10083
15428
15625
1870 ✓
16798
2508 ✓
~~Nassibaudina~~
2611 ✓
15115 ✓
15146 ✓
15149 ✓

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1926phae.proj.1106P

No.	Name	R.A.	Dec.		m	Sp.	π
993	78 Virgn.	13	29.1	+ 4 10	4.9	A2p	24±11
995	g Virgn.	13	29.6	− 0 05	3.4	A2	38±13
998	25 Can. Ven.	13	33.0	+36 48	4.9	F0	57±14
1009	τ Bootis	13	42.5	+17 57	4.5	F5	59± 7
1010	η Urs. maj.	13	43.6	+49 49	1.9	B3	−4±11
1018	η Bootis	13	49.9	+18 54	2.8	G0	98±35
1027	κ "	14	9.9	+52 15	4.6	A5	25± 9
1030	Arcturus	14	11.1	+19 42	0.2	K0	80± 5
1031	γ Bootis	14	12.6	+46 33	4.3	A0	41± 8
1035	"	14	18.5	+ 8 54	5.1	A0	9± 5
1037	θ "	14	21.8	+52 19	4.1	F8	66± 7
1043	ρ Bootis	14	27.5	+30 49	3.8	K0	36± 8
1046	δ "	14	30.3	+30 11	4.5	F0	26±11
1053	μ Virgn	14	37.8	− 5 13	4.0	F5	37± 7
1054	ε Bootis	14	40.6	+27 30	2.7	K0	16± 8
1060	Bootis	14	45.2	+38 13	6.0	F0	26± 7

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1926phae.proj.1109P

Plates

15531 ✓
16340 ✓
16476 ✓
1294 ✓
15658 ✓
15543 ✓
6571 ✓
1970 ✓
15488 ✓
17771 ✓
1810 ✓
12527 ✓
14238 ✓
14428 ✓
17774 ✓
16596 ✓
15759 ✓
1875 —
1312 ✓
6945 ✓
1300 ✓
1273 ✓
1998 ✓
2510 ✓
2741 ✓
6946 ✓

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1926phae.proj.1109P

no.	name	R.A.	Dec.	m	Sp.	π
Nov. 22, 26						
1068	ε Bootis	14 46.8	+ 19 31	4.6	G5	168 ± 7
1067	β Ursæ Maj.	14 51.0	+ 74 34	2.2	K5	11 ± 34
1076	β Bootis	14 58.2	+40 47	3.6	G5	23 ± 8
1078	44 Bootis	15 0.5	+ 48 03	5.3	G0	76 ± 6
1080	45 "	15 2.9	+ 25 16	5.0	F0	60 ± 10
1090	δ Bootis	15 11.5	+33 41	3.5	K0	24 ± 7
1091	5 Serpn.	15 14.2	+ 2 09	5.2	G0	38 ± 8
1096	η Cor. B.	15 19.1	+30 39	5.6	G0	81 ± 10
1098	ω Bootis	15 20.7	+37 44	4.5	F0	34 ± 6
1099	2 Draco.	15 22.7	+ 59 19	3.5	K0	34 ± 7
1104	δ Serpn.	15 30.0	+10 52	4.2	A7	16 ± 6
1105	α Cor. B.	15 30.5	+27 08	2.3	A0	53 ± 10
1112	2 Serpn.	15 37.1	+ 20 00	4.5	A2	7 ± 7
1113	γ Cor. B.	15 38.5	+ 26 37	3.9	A0	22 ± 6
1115	α Serpn.	15 39.3	+ 6 44	2.8	K0	46 ± 7
1116	β "	15 41.6	+15 44	3.7	A2	32 ± 7
1117	χ Serpn.	15 41.6	+ 7 40	4.4	G0	87 ± 9
1120	δ Cor. B.	15 45.4	+ 26 22	4.7	G5	14 ± 9

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Plates

15743
844
1977
2552
1305
1306
15548
15740
17367
17369
17373
2028
15533
16513 up 2500
16501
915
1855
16520
16587
1968
16505
1330
2563
1280
1832
15855
16829
16859

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no.	name	RA.	Dec.	m	Sp	π
1121	ε Scorpii	15 45.8	+4 47	3.8	A2	36 ± 9
1122	κ Cor. B.	15 47.5	+35 58	4.8	K0	31 ± 8
1124	χ Herc.	15 49.2	+42 44	4.6	G0	69 ± 7
1128	γ Scorpii	15 51.8	+15 59	3.9	F5	78 ± 7
1135	ξ Scorpii	15 58.6	−11 06	4.8	F8	40 ± 5
1146	τ Cor. B.	16 5.3	+36 45	4.9	K0	30 ± 7
1147	φ Herc.	16 5.6	+45 12	4.3	B9p.	14 ± 7
1148	ν Scorpii	16 6.2	−19 12	4.3	B3	21 ± 11
1152	δ Ophiu	16 9.1	−3 26	3.0	Ma	40 ± 10
1157	ε Ophiu	16 13.1	−4 27	3.3	K0	46 ± 12
1161	ζ Scorpii	16 17.0	+1 16	4.8	F0	32 ± 9

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1926phae.proj.1100P

Plates

1350
2007
2118
2624
2749
2788
2907
2927
16830
16838
16888
2636
6908
2646
16918
2076
2632
2765
2910
16584
1277
6911
6912
2952
1881
16869

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1926phae.proj.1109P

no.	name	RA.	Dec.	m	Sp	T
1162	γ Herc	16 17.5	+19 23	3.8	F0	18 ± 10
1163	ε Cor. B.	16 18.2	+31 07	4.7	K0	15 ± 10
1166	η U. Min	16 20.4	+75 59	5.0	F0	44 ± 10
1175	Antares	16 23.3	−26 13	1.2	cmp	26 ± 7
1172	η Draco.	16 22.6	+61 44	2.9	G5	42 ± 6
1181	α Ophiu	16 25.9	+2 12	3.8	A0	0 ± 5
1180	β Herc.	16 25.9	+21 42	2.8	K0	30 ± 13
1184	29 "	16 27.9	+11 42	4.9	K5	−11 ± 12
1198	ζ "	16 37.5	+31 47	3.6	G0	111 ± 5
1199	η Herc.	16 39.5	+39 07	3.6	K0	53 ± 6
1211	52 Herc.	16 46.3	+46 09	4.9	Ap	3 ± 8
1225	ε "	16 56.5	+31 04	3.9	A0	23 ± 6

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Plates

1973
2780
2805
2811
16979
16596
1275
1278
2642
2772
2782
2825
9247
14913
1303
2625
2963
16843
2823
2847
2864
3798
3841
3850
3871
15676
1887

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No.	Name	R.A.	Dec.	m	Sp.	π
1233	u Draco.	17 3.3	+54 36	5.1	F5	44 ± 6
1237	36 Ophiu	17 9.2	−26 27	4.6	K0	99 ± 33
1236	ξ Draco.	17 8.5	+65 50	3.2	B5	19 ± 17
1240	α Herc	17 10.1	+14 30	3.5	Mb	−2 ± 6
1242	δ Herc	17 10.9	+24 57	3.2	A2	29 ± 6
1245	π Herc	17 11.6	+36 55	3.4	K2	19 ± 9
1247	u Herc	17 13.6	+33 12	var.	B8	−21 ± 7
1253	ρ Herc	17 20.2	+37 14	4.5	A0	−2 ± 10
1263	λ Herc	17 26.7	+26 11	4.5	K0	19 ± 11
1264	β Draco	17 28.2	+52 23	3.0	G0	4 ± 6
1271	γ "	17 30.2	+55 15	5.0	A5	23 ± 8
1272	α Ophiu	17 30.3	+12 38	2.1	A5	49 ± 5

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1926phae.proj.1109P

Plates

15838 ✓
15754 ✓
1355 ✓
2635 ✓
711 ✓
733 ✓
1261 ✓
1274 ✓
1281 ✓
3797 ✓
3845 ✓
9193 ✓
9377 ✓
9380 ✓
16663 ✓
1856 ✓
2608 ✓
2614 ✓
1317 ✓
2781 ✓
1964 ✓
2000 ✓
2905 ✓
16860 ✓
2959 ✓
14903 ✓
1969 ✓

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1926phae.proj.1109P

no.	name	R.A.	Dec.	m	Sp.	π
1287	β Ophiu	17 38.5	+ 4 37	2.9	K0	24 ± 7
1285	ω Draco.	17 37.5	+68 48	4.9	F5	34 ± 6
1293	μ Herc	17 42.5	+27 47	3.5	G5	111 ± 6
1296	ψ Draco.	17 43.7	+72 12	4.9	F5	45 ± 5
1299	30 "	17 46.7	+ 50 48	5.2	A2	- 4 ± 9
1304	ε "	17 51.8	+ 56 53	3.9	K0	28 ± 9
1305	θ Herc	17 52.8	+ 37 16	4.0	K0	0 ± 6
1309	ν Ophiu	17 53.5	- 9 46	3.5	K0	26 ± 11
1311	35 Draco.	17 53.9	+76 59	5.0	F5	.019 ± 7
1312	ξ Herc	17 53.9	+ 29 16	3.8	K0	20 ± 7
1313	γ Draco.	17 54.3	+51 30	2.4	K5	17 ± 6
1314	ν Herc.	17 54.7	+ 30 12	4.5	F0	3 ± 11
1316	96 Herc.	17 58.1	+ 20 50	5.1	B3	- 7 ± 12
1321	70 Ophiu.	18 0.4	+ 2 31	4.3	K0	192 ± 5

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1926phae.proj.1109P

Plates

1378 ✓
2957 —
✓ 15906 ✓ μφ 2338
16550 ✓
1363 ✓
2006 ✓
15793 ✓ μφ 2316
15836 ✓
2588 ✓
16864 ✓
16861 ✓
1961 ✓
2911 ✓
15838 ✓ μφ 2318
1409 ✓
1390 —
2921 ✓
2946 ✓
1976 ✓
1981 ✓
2960
1382 ✓
1390 —
2994 ✓
14907 ✓
2038 ✓
2800 ✓

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No.	Name	R.A.	Dec.	m	Sp.	π
1326	72 Ophiu	18	2.6 +9 33	3.7	A3	40 ± 9
1327	99 Herc.	18	3.2 +30 33	5.2	F8	42 ± 6
1338	36 Draco.	18	13.3 +64 22	5.0	F2	49 ± 7
1343	η Serpn.	18	16.1 − 2 55	3.4	K0	65 ± 10
1347	109 Herc	18	19.4 +21 43	3.9	K0	12 ± 8
1352	39 Draco.	18	22.5 +58 45	4.8	A2	36 ± 9
1355	x "	18	22.9 +72 41	3.7	F8	118 ± 7
1376	Vega	18	33.6 +38 41	0.1	A0	124 ± 4
1388	ε Lyrae	18	41.0 +39 34	5.1	A3	− 1 ± 8
1390	110 Herc.	18	41.4 +20 27	4.3	F5	54 ± 6
1389	ζ Lyrae	18	41.3 +37 30	4.3	A5	28 ± 6

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1926phae.proj.1109P

Plates

2034 ✓
2768 ✓
2832 ✓
1396 ✓
15910 ✓
2030 ✓
1361 ✓
1413 ✓
15848 ✓
1416 ✓
790 ✓
1993 ✓
2015 ✓
2195 ✓
2810 ✓
2987 ✓
2990 ✓
15055 ✓
17871 —
17872 ✓
17873 ✓
17876 —
17883 ✓
14918 ✓
16122 ✓
2001 ✓
15018 —
17190 ✓

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1926phae.proj.110MP

no.	name	R.A.		Dec.		m	sp.	T
1392	β Scuti	18	41.9	−4	51	4.5	Gο	18 ± 6
1393	111 Herc.	18	42.6	+18	04	4.4	A3	54 ± 9
1402	β Lyrae	18	46.4	+33	15	Var	B8p	−14 ± 14
1406	RγC 4787	18	49.3	+52	51	5.6	G5	51 ± 8
1407	ο Draco.	18	49.7	+59	16	4.8	Kο	11 ± 8
1410	113 Herc.	18	50.5	+22	31	4.6	Gο	20 ± 8
1414	R Lyrae	18	52.3	+43	49	Var.	Mb	6 ± 34
1416	ε Lyrae	18	53.3	+32	46	5.2	Gο	64 ± 5
1419	ε Aquil	18	55.1	+14	56	4.2	Kο	21 ± 10

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Plates

14948 ✓
16061 ✓
290 –
671 –
672 –
676 ✓
682 –
699 –
740 –
15839 ✓
16848 ✓
17201 ✓
17246 ✓
17261 ✓
17325 ✓
16063 ✓
16573 ✓
16609 ✓
16652 ✓
1429 ✓
1459 ✓
3018 ✓
287 ✓
2160 ✓
15782 ✓
16610 ✓
16909 ✓

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1926phae.proj.1100P

No.	Name	R.A.	Dec.	m	Sp.	V
1421	i 12 Aquil.	18 56.3	− 5 53	4.2	K0	33 ± 10
1429	ζ "	19 0.8	+13 43	3.0	A0	40 ± 7
1430	α Aquil.	19 0.9	− 5 02	3.6	B9	38 ± 10
1437	π Sgitt.	19 3.8	− 21 11	3.0	F2	16 ± 13
1436	17 Lyrae	19 3.6	+32 21	11	Ma	111 ± 8
1443	− Cygni	19 9.5	+49 40	6.6	G5	42 ± 3
1445	θ Lyrae	19 12.9	+37 57	4.5	K0	− 7 ± 7
1444	δ Draco.	19 12.5	+67 29	3.2	K0	38 ± 9
1449	κ Cygni	19 14.8	+53 11	4.0	K0	35 ± 9
1450	ρ Sgitt.	19 15.9	− 18 12	4.0	A5	48 ± 12

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Plates

15883
1299
2796
1888
2801 —
2908
2933
2943
3060
1346
1296
2837
2854
15821
16668
17817
17818
16939
17014 mp 2299
1374
2155
2137
2777
15012 —
15026 —
15045 —
15856 —
15905 —

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1926phae.proj.1109P

No	Name	RA.	Dec.	m	sp.	π
1455	δ Aquil.	19	20.5 + 2 55	3.4	F0	57 ± 6
1463	a Vulpc.	19	24.5 +24 28	4.6	Ma	13 ± 7
1466	β' Cygni	19	26.7 +27 45	3.2	cmp	3 ± 6
1469	ε Cygni	19	27.2 +51 31	3.9	A2	5 ± 9
1471	μ Aquil.	19	29.2 + 7 10	4.6	K0	24 ± 11
1477	— Cygni	19	31.4 +42 12	5.3	A2	3 ± 7
1478	— "	19	31.7 +51 01	5.6	F5	40 ± 7
1480	δ Draco.	19	32.6 +69 29	4.8	K0	181 ± 6
1481	δ Cygni	19	33.8 +49 59	4.6	F5	70 ± 6
1495	γ Aquil	19	41.5 +10 22	2.8	K2	18 ± 7
1500	17 Cygni	19	42.6 +33 30	5.0	F5	46 ± 5
1502	δ Sagitae	19	42.9 + 18 17	3.8	cmp	3 ± 6
1503	ζ Sagitae	19	44.5 +18 53	5.0	A2	24 ± 9
1505	Altair	19	45.9 + 8 36	0.9	A5	204 ± 6

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Plates

1417 ✓
2841 ✓
791 ✓
1379 ✓
1393 ✓
1449 ✓
2835 ✓
16937 ✓
15869 ✓
1391 ✓
✓ 14952 – σ Dra
1391 –
1406 ✓
2919 ✓
1302 ✓
2964 ✓
2851 ✓
815 ✓
1348 ✓
1997 ✓
2836 ✓
2894 ✓
2928 ✓
815 –
✓ 2894 –
1974 ✓
1983 ✓
18042 ✓

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No.	Name	R.A.		Dec.		m	Sp.	π
1509	η Aquil.	19	47.4	+ 0	45	Var.	G0p	3 ± 11
1512	ε Draco.	19	48.5	+ 70	01	4.0	K0	2 ± 7
1515	ξ Aquil.	19	49.4	+ 8	12	4.9	K0	38 ± 11
1518	β "	19	50.4	+ 6	09	3.9	K0	78 ± 6
1519	ε Sagittae.	19	51.5	+ 16	22	Var.	G0p	5 ± 8
1520	η Cygni	19	52.6	+ 34	49	4.0	K0	16 ± 8
1521	χ "	19	53.0	+ 52	10	4.8	A3	5 ± 7
1527	15 Vulpc.	19	57.0	+ 27	29	4.7	A5	30 ± 6
1544	θ Aquil	20	6.1	− 1	07	3.4	A0	15 ± 12
1552	o' Cygni	20	10.2	+ 46	31	5.0	A2	9 ± 7

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1926phae.proj..1109P

Plates

677 —
687 —
691 —
748 —
1430 —
1445 —
1446 —
1451 —
1471 ✓
1563 ✓
3003 ✓
3068 ✓
3079 ✓
16915 ✓
2046 ✓
2904 ✓
2899 ✓
15896 ✓
16131 ✓
16007 ✓
2019 ✓
1376 ✓
1383 ✓
1384 ✓
2036 ✓
2039 ✓
2144 ✓

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1926phae.proj.1109P

No.	Name	RA.		Dec.		m	Sp.	π
1556	a^1 Capric.	20	12.1	−12	49	4.6	G0p	−13 ± 14
1559	a^2 Capric.	20	12.5	−12	51	3.8	G5	−13 ± 16
1562	Nov. Cyg.	20	14.1	+37	43	4.9	Bfp	−21 ± 22
1565	β Capric.	20	15.4	−15	06	3.2	G0	5 ± 10
1571	γ Cygni	20	18.6	+39	56	2.3	F8p	−2 ± 6
1576	41 Cygni	20	25.3	+30	02	4.1	F5p.	−19 ± 9
1580	ε Delph.	20	28.4	+10	58	4.0	B5	1 ± 8
1583	47 Cygni	20	30.0	+34	54	4.8	cmp.	6 ± 7
1585	ζ Delph	20	30.6	+14	20	4.7	A2	15 ± 8

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Plates

794
9666
9667
9682
9519
9520
same as those
692
700
741
846
1433
1473
2043
2053
2098
2018
2025
1397
2817
2845
16940
17006
17049
17072
1336
2050
2846

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1926phae.proj.1109P

no.	name	R.A.	Dec.	m	Sp.	π
1588	β Delph.	20 32.9	+14 15	3.7	F5	24±7
1589	11 Aquil.	20 33.2	+1 27	4.5	K0	4±8
1590	29 Vulpc.	20 34.1	+20 51	4.8	A0	1±7
1597	α Cygni	20 38.0	+44 55	1.3	A2p	5±8
1600	δ Delph.	20 38.8	+14 43	4.5	A5	
1607	γ Delph.	20 42.0	+15 46	4.5	G5	

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Plates

1286
2050
2846
16054
16554
16603
16649
15917
1984
3789
3795
6969
9265
9266
9267
9533
11562
11986
13362
13510
13855
2077
3053
3091
6909
6920

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no.	name	R.A.	Dec.	m	Sp.	π
1609	ε Aquar.	20 42.3	−9 52	3.8	A0	22±12
1608	ε Cygni	20 42.2	+33 36	2.6	K0	41± 6
1610	- Cephei	20 42.9	+57 13	4.6	G0	41± 9
1613	λ Cygni	20 43.5	+36 09	4.5	B5	27±17
1612	η Cephei	20 43.3	+61 27	3.6	K0	71± 6
1619	μ Aquar.	20 47.3	− 9 22	4.8	A3	9±10
1630	ν Cygni	20 53.4	+40 47	4.0	A0	3± 8
1649	ξ Cygni	21 1.3	+48 32	3.9	K5	6± 6
1650	61 Cygni	21 2.4	+38 15	5.0	K5	300±3
1652	63 Cygni f^2	21 3.2	+47 15	4.8	K	13±8
1655	γ Equulei	21 5.5	+ 9 44	4.8	F0	23± 6
1658	ζ Cygni	21 8.7	+29 49	3.4	K0	24± 6
1660	δ Equulei	21 9.6	+ 9 36	4.6	F5	60± 6
1663	a "	21 10.8	+ 4 50	4.1	F8	35±10

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1926phae.proj.1109P

plates

2119
2129
2778
1434
1463
2953
16104
16155
16241
1387
16050
14986
2929
3848
2742
2866
16998
17017
17054
14909
1394
16020
1414
2765
2792
2802
2803

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1926phae.proj.1100P

No.	Name	RA.		Dec.		m	Sp	π
1662	τ Cygni	21	10.8	+37	37	3.8	F0	50 ± 6
1666	b Cygni	21	13.5	+38	59	4.3	B8p	−1 ± 9
1667	ν "	21	13.8	+34	29	4.4	B3p	16 ± 10
1670	a Cephei	21	16.2	+62	10	2.6	A5	83 ± 6
1673	λ Pegasi	21	17.5	+19	23	4.2	K	25 ± 8
1674	β Equulei	21	17.9	+ 6	23	5.1	A	82 ± 16
1687	β Aquarii	21	26.3	− 6	01	3.1	G0	−3 ± 11
1689	δ Cephei	21	27.4	+70	07	3.3	Bl	7 ± 7
1692	78 Cygni	21	30.7	+38	05	5.0	K0	12 ± 7
1695	74 "	21	32.9	+39	58	5.1	A5	18 ± 8
1697	γ Capri.	21	34.6	−17	07	3.8	F	17 ± 13
1702	ε Pegasi	21	39.3	+ 9	25	2.5	K0	2 ± 6

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1926phae.proj.1109P

Plates

1388
2868
2902
15957
3021
3026
3097
3120
5137
2004
16071
16084
17216
1354
6930
1407
2747
16905
15916
16198
2044
2823
3002
3044
2086
2072
2088
6991

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1926phae.proj.1100P

no.	name	R.A.		Dec.		m	Sp	π
1706	κ Pegasi	21	40.1	+25	11	4.3	F5	26 ± 5
1707	μ Cephei	21	40.4	+58	19	Var.	ma	011 ± 8
1708	11 Cephei	21	40.5	+70	51	4.8	K0	17 ± 8
1709	δ Capri	21	41.5	−16	35	3.0	A5	114 ± 13
~~1712~~	~~14 Pegasi~~	~~21~~	~~45.9~~	~~+29~~	~~43~~	~~5.0~~	~~A~~	~~4 ± 7~~
1712	14 Pegasi	21	45.4	+29	43	5.0	A	4 ± 7
1722	16 Cephei	21	57.8	+72	42	5.2	F0	39 ± 9
1725	ν Pegasi	22	0.6	+4	84	4.9	Kp	15 ± 8
1726	a Aquarii	22	0.6	−0	48	3.2	G	9 ± 12
1727	ξ Cephei	22	0.9	+64	08	4.4	A8	39 ± 7
1731	2 Pegasi	22	2.4	+24	51	4.0	F5	79 ± 6
1736	π Pegasi	22	5.5	+32	41	4.4	G5	5 ± 7
1739	ζ Cephei	22	7.4	+57	42	3.6	K	26 ± 6

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1926phae.proj.1109P

Plates

1400 ✓
1630 —
1499 ✓
1478 ✓
1525 ✓
2954 ✓
3005 ✓
3080 ✓
6968 ✓
✓ 16953 ✓ μφ 2266
1325 ✓
2838 ✓
15875 ✓
16090 ✓
2807 ✓
16957 ✓
17048 ✓
1328 —
8069 —
15115 —
17181 ✓
1418 ✓
15040 — 14974, μφ 2297, Bk 30 p152 Supergiant?
✓ 673 ✓ 15136, 14974
696 ✓
1341 ✓

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1926phae.proj.1100P

No.	Name	R.A.		Dec.		m	Sp	π
1741	- Cephei	22	8.2	+56	21	5.4	F8	27 ± 9
1740	λ Cephei	22	8.1	+58	55	5.6	Od	5 ± 7
1747	l Lacer.	22	11.6	+37	15	4.2	K3	2 ± 6
1751	γ Aquar.	22	16.5	−	1 53	4.0	A0	64 ± 9
1752	2 Lacer.	22	16.9	+46	02	4.7	B5	.037 ± 12
1756	β Lacer.	22	19.6	+51	44	4.6	G8	17 ± 8
1757	53 Aquar.	22	21.1	−17	15	6.4	G0	38 ± 14
1760	35 Pegasi	22	22.8	+	4 12	4.9	K0	33 ± 9
1762	ζ Aquar.	22	23.7	−	0 32	3.8	F2	13 ± 6
1766	5 Lacer.	22	25.4	+47	12	4.6	K0	5 ± 8
1768	α Lacer.	22	27.2	+	49 46	3.9	A	34 ± 7
1770	- Cephei	22	30.1	+69	24	6.5	F2	6 ± 13
1773	31 "	22	33.3	+73	07	5.5	F0	−39 ± 28
1782	η Pegasi	22	38.3	+29	42	3.1	G0	−1 ± 6

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1926phae.proj.1109P

Plates

1467 ✓
2797 ✓
2808 ✓
✓ 15091 —
15130 ✓
15135 —
15145 —
16969 ✓
2881 ✓
2939 ✓
14995 ✓
15158 —
17831 ✓
17832 ✓
16973 ✓
17097 ✓
2054 ✓
2890 ✓
2940 ✓
16904 ✓
1401 ✓
2917 ✓
2950 ✓
922 ✓
839 ✓
1646 ✓

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1926phae.proj.1100P

no.	name	R.A.	Dec.	m	Sp.	T
1786	λ Pegasi.	22 41.7	+23 02	4.1	G7	37±10
1789	μ Pegasi	22 45.2	+24 04	3.7	G7	31±07
1790	ζ Cephei	22 46.1	+65 40	3.7	K0	40± 6
1795	ρ Pegasi	22 50.2	+ 8 17	5.0	A	2± 7
1802	o Androm.	22 57.3	+41 47	3.6	B3	3±11
1803	2 Androm.	22 58.0	+42 13	5.1	A2	55±10
1804	δ Pegasi.	22 58.9	+27 32	2.6	mb	16± 5
1806	3 Androm.	22 59.7	+49 30	4.9	K0	-4± 9
1807	α Pegasi	22 59.8	+14 40	2.6	A	38± 9
1810	55 "	23 2.0	+ 8 52	4.7	K5	-3±10
1813	π Cephei	23 4.7	+74 51	4.6	G5	0± 8
1815	η Andrm.	23 8.0	+48 52	4.6	F0	46± 7
1817	φ Aquar.	23 9.1	- 6 35	4.4	K5	5±12
1819	γ Piscium	23 12.0	+ 2 44	3.8	K0	28± 9
1826	τ Pegasi	23 15.7	+23 12	4.6	A5	37±'8

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1926plmo.proj.1.tif

plates

2103 ✓
2117 ✓
9534 ✓
9535 ✓
1362 ✓
1392 ✓
14915 ✓
16172 ✓
16217 ✓
2481 ✓
2901 ✓
2916 ✓
2930 ✓

769 ✓
2228 ✓
2248 ✓
✓ 16984 ✓ μφ 2261
1366 ✓
✓ 16985 ✓ μφ 2326
✓ 15119 ✓ μφ 2341
16035 ✓
2923 ✓ μφ 2262
16967 ✓
17047 ✓
1695 ✓
15189

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1926phae.proj.110MP

no.	name	RA.	Dec.		m	sp		π
1831	ν Pegasi	23	20.4	+22 51	4.6	~~F7~~	GO	25 ± 7
1834	κ Piscium	23	21.8	+ 0 42	4.9	A2		41 ± 10
1835	70 Pegasi	23	24.1	+12 13	4.7	~~G6~~		-8 ± 9
1843	λ Andrm.	23	30.7	+45 55	4.0	~~G8~~		39 ± 9
1844	η Piscium	23	34.8	+ 5 05	4.3	~~F5~~		73 ± 9
1845	χ Cephei	23	35.2	+77 04	3.4	Kl	?	69 ± 9
1846	κ Andrm.	23	35.5	+43 47	4.3	A		8 ± 9
1848	λ Piscium	23	36.9	+ 1 14	4.6	A5		30 ± 10
1858	φ Pegasi	23	47.4	+18 34	5.2	ma		14 ± 10
1860	ρ Cass.	23	49.4	+56 57	4.8	~~F8~~ p		29 ± 7
1863	ω Piscium	23	54.2	+ 6 19	4.0	~~F5~~		11 ± 9

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1926phae.proj.1109P

Plates

15178
15958
17185
17186
16989
17056
17099
1636
15924
840
9539
9596
9599
9606
9612
9619
17256
15944
3007
2396
6992

1415

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1926phae.proj.110MP

X Series

No.	Name	R.A.		Dec.		m	Sp	π
195	α Ceti	2	57.1	+3	42	2.8	Ma	11 ± 7
220	α Persei	3	17.2	+49	30	1.9	F5	15 ± 8
438	α Aurigae	5	9.3	+45	54	0.2	G0	75 ± 3
484	δ Leporis	5	47.0	−20	53	3.9	K0	24 ± 11
568	Sirius	6	40.7	−16	35	−1.6	A0	371 ± 4
638	α Can. min.	7	34.1	+5	29	0.5	F5	312 ± 6
639	β Gemin.	7	39.2	+28	16	1.2	K0	101 ± 10
778	α Leonis	10	3.0	+12	27	1.3	B8	58 ± 9

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1926phae.proj.1109P

X Series

Plates

7944 ✓
7983 —
✓ 3886 ✓
3887 ✓
4594 —
7295 ✓
4509 ✓
7320 ✓
✓ 3862 ✓
3969 ✓
3970 ✓
3971 ✓
3972 ✓
3973 ✓
4001 ✓
5316 ✓
✓ 3876 —
3882 ✓
4026 ✓
4031 ✓
4042 —
✓ 4025 ✓
3996 ✓
4086 —
6622 ✓

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No.	Name	R.A.		Dec.		m	Sp	π
1030	δ Bootis	14	11.1	+ 19	42	0.2	K0	80 ± 5
1450	ρ Sagitt.	19	15.9	− 18	02	4.0	A5	48 ± 12
1152	δ Ophiuc.	16	9.1	− 3	26	3.0	ma	40 ± 10
1589	71 Aquil	20	33.2	− 1	27	4.5	K0	4 ± 8
1597	2 Cygni	20	38.0	+44	55	1.3	A2p	5 ± 8
1817	φ Aquar.	23	12.0	+ 2	44	4.4 3.8	K5	5 ± 12

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Plates

✓ 3986 ✓
3989 ✓
3998 ✓
6604 ✓
7904 ✓
10354 ✓
14222 ✓
12151 ✓
✓ 4098 —
14410 ✓

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Microphotometer X plates by spectral class.

Class O

1	14503	
	14392	

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1926phae.proj.1109P

B

14479
14503 (3)
14505 (3 ht 13)
14317
14392 (2)
14208
14220
14228
* 14229
14239
14240
14249
14250
* 14272
14108
* 14113 (3)
14129 (2)
14140 (ht)
14193
14065
* 14083 (7)
* 14084 (8)
* 14088 (8)
14089 (b)
14091 (b)

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1926phae.proj.110MP

A

* 14723
14752
14622(3)
14626?(n)
14635 (n)
36(n)
* 47
14660
14669
14675
14697(7?)
14410
14437
14455
14491(2)
14503(5)
14510
14514
14317
14337
14368(2)
14376
14214
14223
14239
14240
14254
14261
14262
14274(3)

14283
14296
14101
14107
14109
14117
14125
14127(2)
14154(2)
14171(2)
14185(3)
14188
14191(3)
14193(2)
14045
14046
14062
14064(2)
14085
*14088
*14014
*14015
14020

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1926phae.proj.1100P

F

14622

* 14647

14663

14669

14675

14689(2)

14403

14604

14499

14503
(2c strong)

14514

14553

14317

14275

14157(n)

14046

* 14015

14021

14038

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1926phae.proj.110MP

G

14717
* 14646
14418(2)
14437
14510
14344(2)
14349(3)
14350(2)
14214
14215(2)
14223
14250
14254
* 14272
14275
14298(d)
14154(2)
14184

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1926phae.proj.1109P

K

* 14723
14620(3)
14622(3)
* 14647
14669
14403
14404
14419(4)
14437
14454(3)
14455(4)
14479
14491(3)
14499(2)
14504(n)
14510
14514
14553(3)
14333(3)
14335(3)
14337
14344
14208
14214
14215(2)
14220
14223
14228
* 14229
14254

14261
14262
14274
14275
14283
14289 (3)
14296
14107
14108
14109
* 14113
14125
14127
14129
14140(3)
14171(2)
14185(2)
14191(2)
14193(1)
14045
14057(?)
* 14058
* (2)
14062(3)
14064
14065
* 14076(2)
* 14078
* 14079
(2)
* 14083
* 14084

14085
* 14088
14089
14090
14091
* 14014(4)
* 14015
14020(2)
14021(2)
14029(2)
14031
14038

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1926phae.proj.110MP

M

14714
* 14619 (b)
14669
14689
14402
14410
14376
14214
14117
14188
14045
14060
* 14015 Me

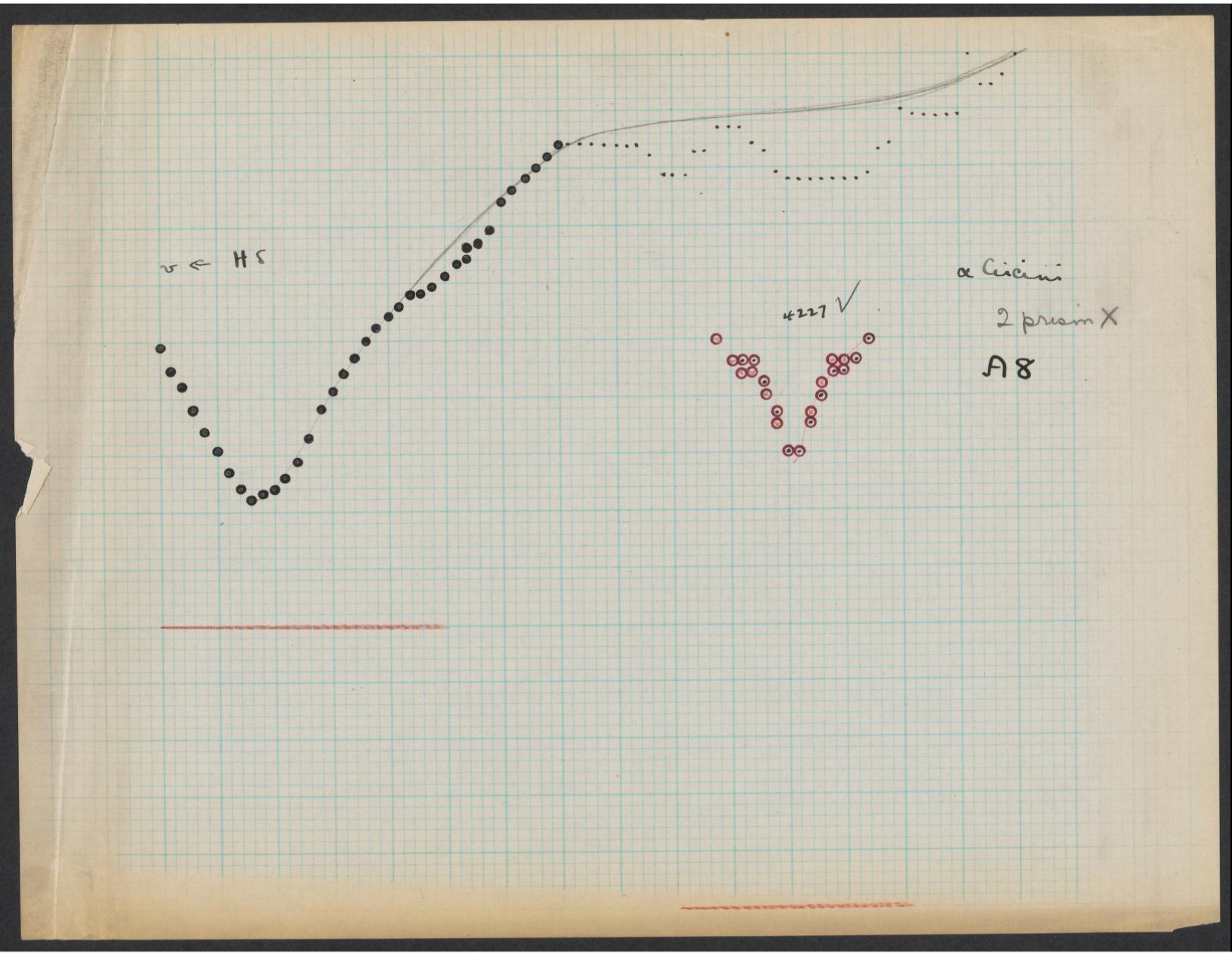
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1926phae.proj.1109P

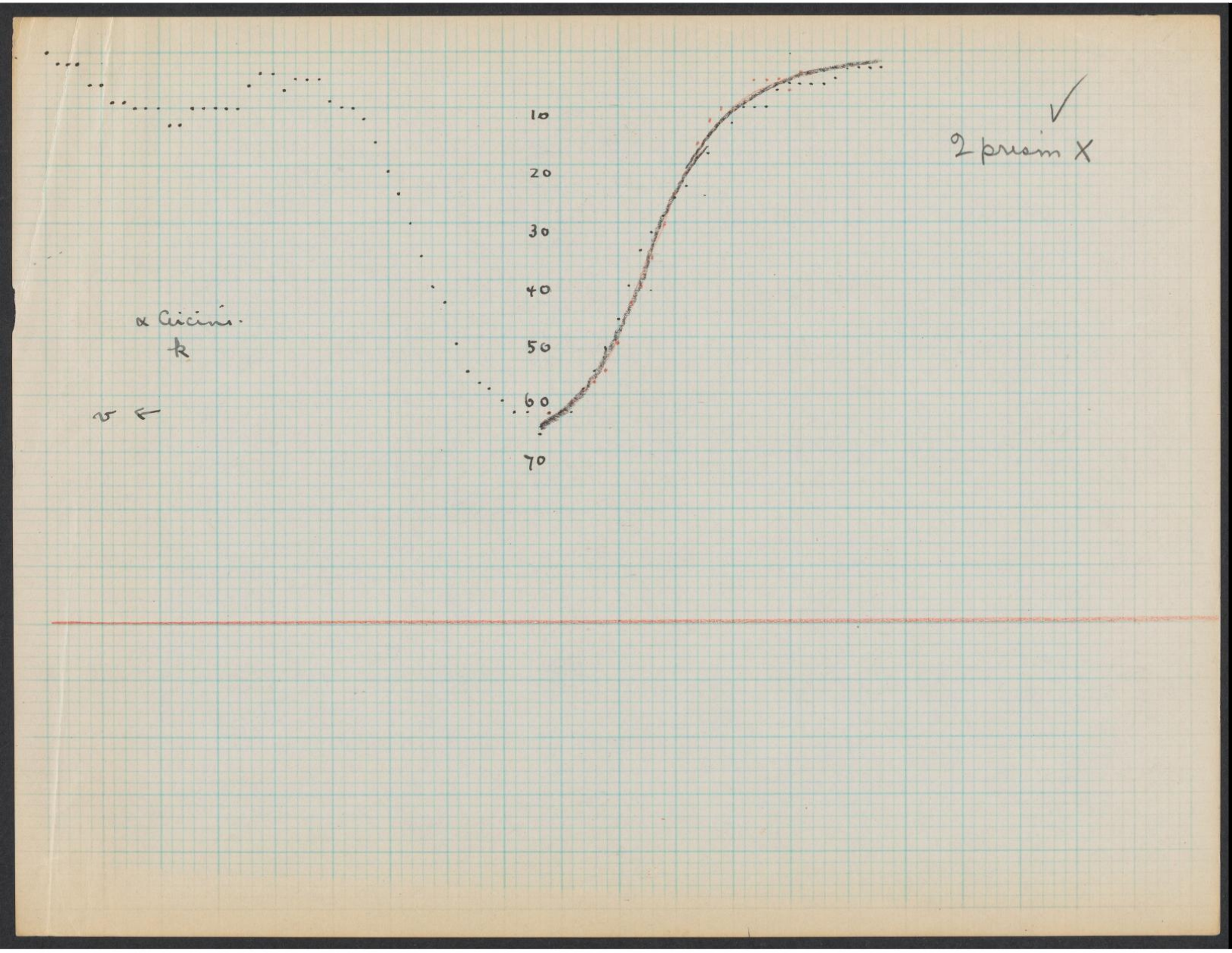
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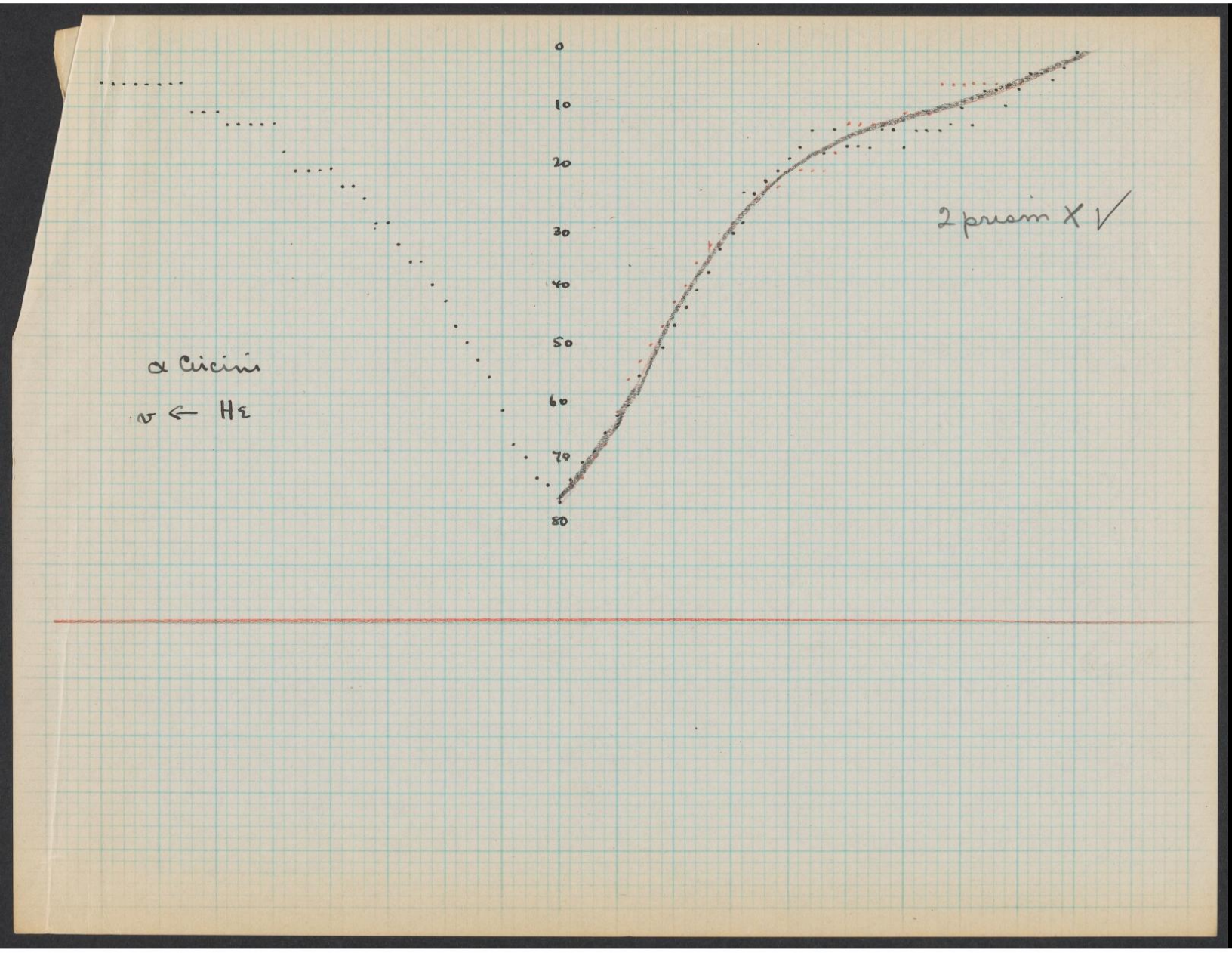
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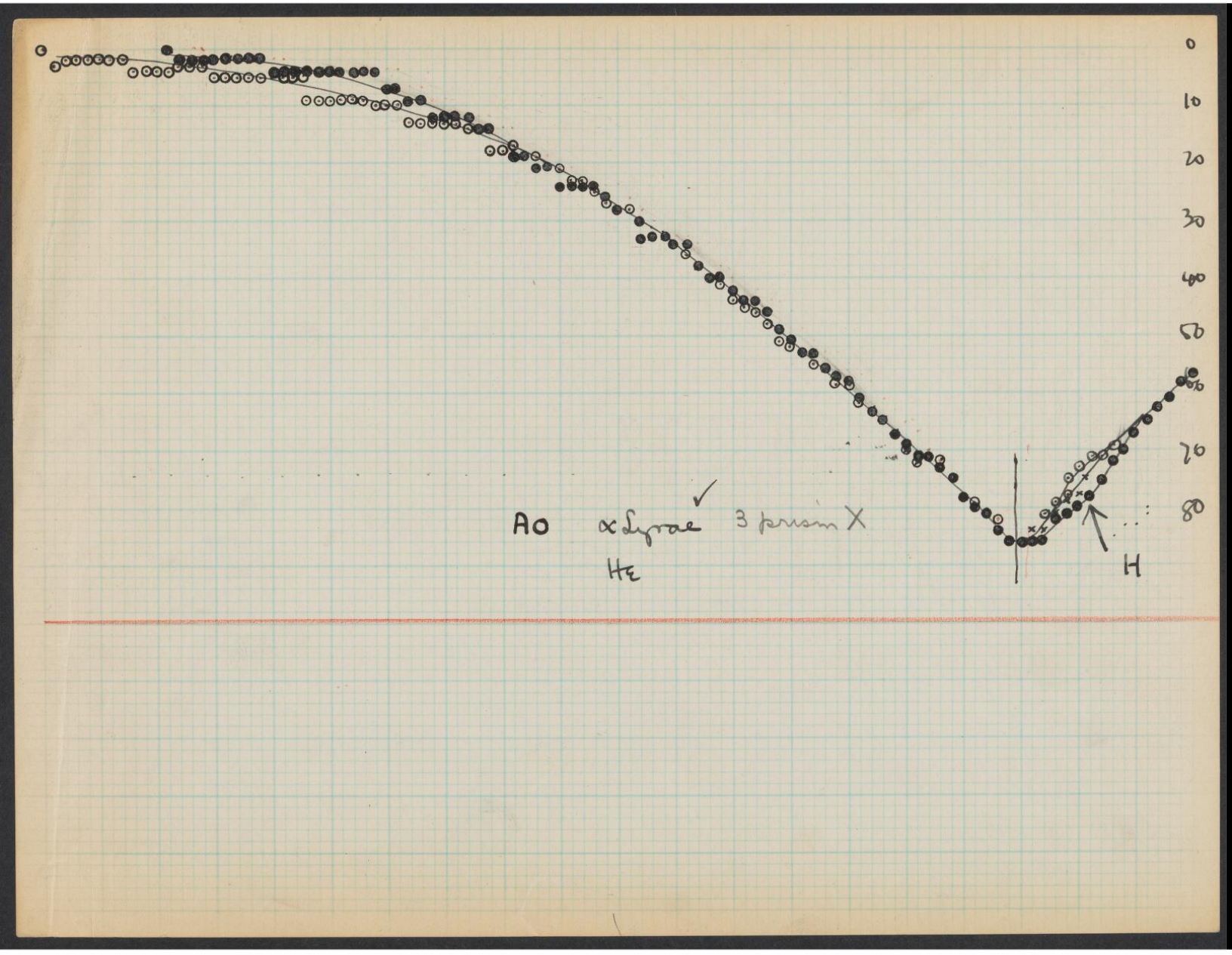
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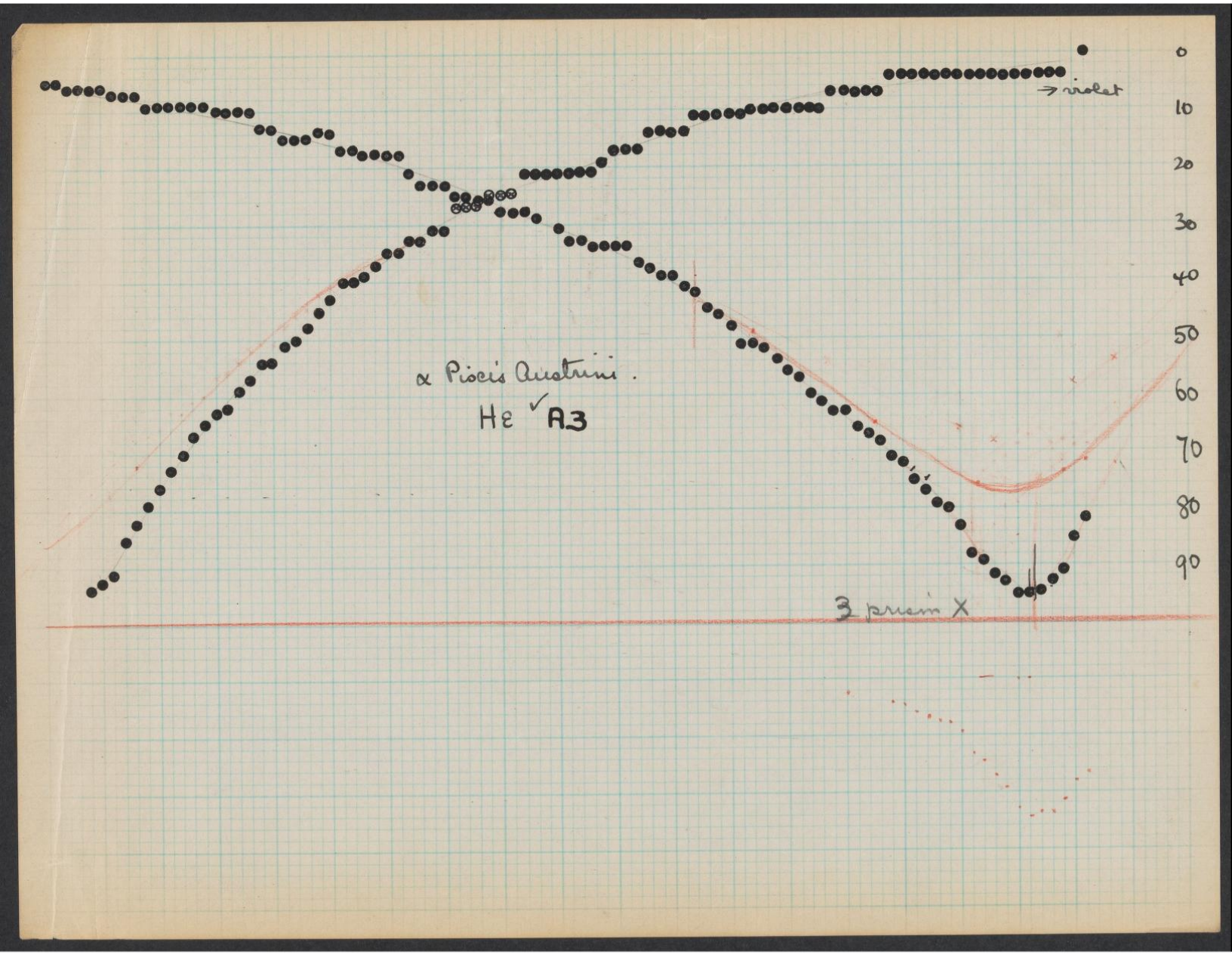
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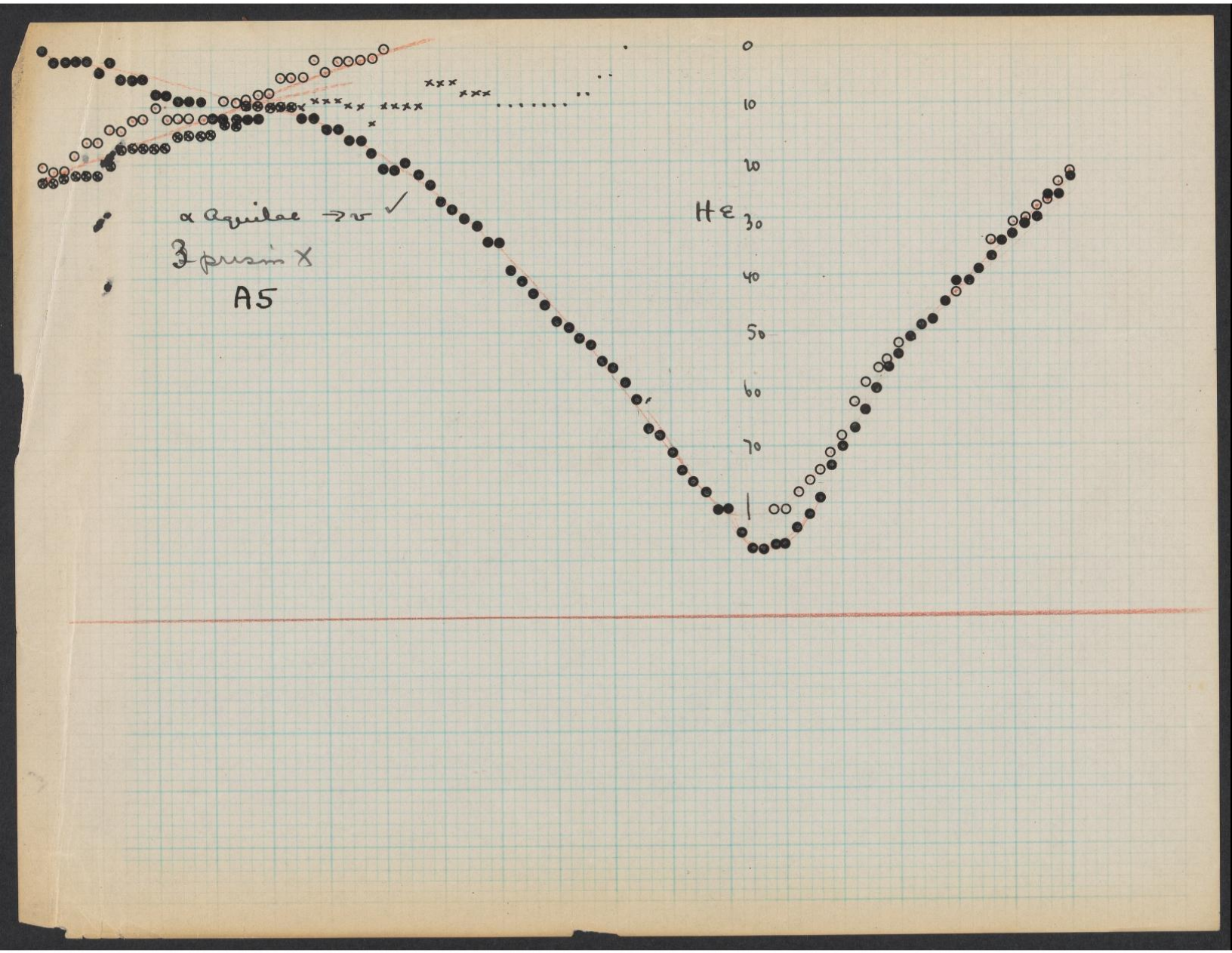
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Standardized Spectra of Cepheid Variables

Polaris J.D. 2422954.215 P = 3.96835

	1927		J.D.	Phase
C 19152	Oct. 10	22 56 23 15	2425164.608	0.017874
19158	Oct 13	22 26 23 43	2425167.620	3.029050

X Cygni

19160	Oct. 15	22 17 22 47		

X 11968		l Carinae	240+637.4.	P = 35.520	
	May 7, 1908	10 04 11 36	2418069.933	Phase 2.388000	Bk 32 p 40

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1926phae.proj.110gp

For list of additional unstandardized plates see p. 120

δ Cephei, P = 5.366387 (404) J.D. 2393375.26

Plate	Day	Hour mid exp. sid. time	J.D.	Phase	Mag.
C 19096	1927 Sep 8	23 38	2425132 .718	~~1.544088~~ ✓	4.447532 ✓✓
19098 ✓	Sep 11	21 14	2425135 .610	~~3.612068~~	1.971128 ✓✓
19102 ✓	Sep 12	21 07	2425136 .602		2.961128 ✓✓
19104 ✓	Sep. 15	22 50	2425139 .666		0.661172 ✓✓
19108 ✓	Sep. 16	20 36	2425140 .570		1.564724 ✓✓
19082 ✓	Sep. 4	23 50	2425128 .737		0.469532 ✓✓
19072 ✓	Aug. 25	23 27	2425118 .748		1.210340 ✓✓
19118 ✓	Sep. 24	21 10	2425148.572		4.198320 ~~1.200316~~ ✓✓
19086	Sep. 5	21 16	2425129.628		1.357532 ✓✓
19131	Sep. 30	23 51	2425154 .666		4.931916 ~~1.397532~~ ✓✓

ER Carinae P = 7.71886 (not necessarily good) J.D. 2423999.491

X4064	1892 May 25	12 22	2412233.533	5.40150	

SU Cassiopeiae P = 1d.95268 J.D. 2417287.26

19096	1927 Sep. 8	3 11	2425132 .868		1.753153

S Sagittae P = 8.381615 J.D. 2409863.338

19127	Sep. 28	21 42	2425152.583		1.110400
19129	" 29	20 50	2425153 .544		2.152480

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η Aquilae P = d 7.176382 (678) J.D. 2414827.15

Plate	Day 1927	Mid sid. time	exp.	J.D.	Phase	Reduced
19102	Sep. 12	20	12	2425136.564	3.700392 ✓✓	
19104	Sep. 15	21	11	2425139.597	6.739674 ✓✓	
19108	Sep. 16	19	51	2425140.539	0.502995 ✓✓	
19118	Sep. 24	20	31	2425148.545	1.3263 ✓✓	
19127	Sep. 28	20	26	2425152.530	5.31703 ✓✓	
19129	" 29	20	07	2425153.514	6.297036 ✓✓	Bk 28, p. 119
19133	Oct. 1	20	28	2425155.523	1.130358 ✓✓	
19136	Oct. 4	20	37	2425158.521 ✓	4.130358 ✓✓ ~~5.412299~~	Bk 28
19151	Oct 10	21 38 / 22 8		2425164.558	2.99368 ✓✓	
19157	" 11	21 30 / 22 0		2425165.549	3.983680 ✓✓	
19158	" 13	22 51 / 23 21		2425167.600	6.03368 ✓✓	
19160	" 15	21 7 / 21 37		2425169.522	0.777002 ✓✓	Bk 30, p. 44
19179	"			2425179.	3. ✓✓	
19183	"			2425180.	4. ✓✓	
19187	"			2425181.	5. ✓✓	

ζ Geminorum (Phase) J.D. 2410638.86
P = 10d.15380
+ 1d.05 sin (0°.070E + 112°)

C18704	Jan 3 1927	6 32 / 7 02	2424885.695 ✓	1.04860	
18795	Jan 27	7 07 / 7 37?	2424909.653	4.7010	
19192	Oct. 29, 1927		2425183.		

ζ Geminorum: Standardized 1928 plates J.D. 2410638.86 P = 10d.15380

Plate	Exposure Beginning		End		J.D.	Phase	Reduced		
									μμ
19342	Jan. 3	7 14	7 46		2425249.~~726~~	9.7016	Bk 39	p. 14	
Same		7 50	8 20		2425249.750	9.7256			
19343	Jan. 3	8 52	9 22		2425249.793	9.76			
"		9 24	9 54		2425249.815	9.78			
19344	Jan. 17	3 46	4 16		2425263.542	3.210 ✓	39	34	
"		4 22	4 52		2425263.567	3.235 ✓			
"		4 55	5 25		2425263.590	3.258 ✓			
"		5 27	5 47?		2425263.609	3.27 ✓			
19345	" "	6 31	7 01		2425268.656	3.32 ✓	39	32	
"		7 14	7 44		2425263.686	3.35 ✓			
"		7 47	8 21		2425263.711	3.379 ✓			
19346	" 18	3 42	4 12		2425264.	4. ✓	34	37	
		4 15	4 45		2425264.				
		4 46	5 7		2425264.				
19347	" 20	3 45	4 15		2425266.	6.			
		4 19	4 49		2425266.				
		4 51	5 34		2425266.				
19349	" 23	4 26	4 56		2425269.	9.	39	51	
		4 59	5 29		2425269.				
		5 30	6 00		2425269.				
19350		6 25	6 55		2425269.		39	45	
		7 1	7 34		2425269.				
		7 36	8 17		2425269.				
19351	" 27	4 18	5 3		2425273.	3. ✓			2670
		5 53	6 25		2425273.				2671
19353	" 27	7 21	7 51		2425273.				2673
		7 56	8 26		2425273.				2674
19356	" 31	4 28	4 58		2425277.				
		4 59	5 29		2425277.	7.			

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Magnitude correction for δ Cephei

Plate	Phase	dm*	Sp.**	Color Index†	[dm]††	β	‡ dm at γ	δ	ε	κ	ζ	η
						-22	-2	+4	+13	+14	+16	+17
19082	0.47	2.82	F2	0.38	3.20	3.42	3.22	3.16	3.07	3.06	3.04	2.03
						-23	-2	+3	+12	+15	+17	+19
19104	0.66	2.74	F3	0.40	3.14	3.37	3.18	3.11	3.00	2.99	2.97	2.95
						-24	-6	+3	+14	+14	+17	+20
19072	1.21	2.62	F5	0.47	3.09	3.33	3.15	3.06	2.95	2.95	2.92	2.89
						-25	-5	+6	+15	+16	+20	+24
19086	1.47	2.59	F6	0.50	3.09	3.34	3.14	3.03	2.94	2.93	2.89	2.85
					3.11	-26	-4	+8	+17	+18	+23	+28
19108	1.56	2.57	F7	0.54	~~3.03~~	3.37	3.15	3.03	2.94	2.93	2.88	2.83
						-27	-3	+11	+19	+21	+27	+32
19098	1.97	2.46	F8	0.58	3.04	3.31	3.07	2.93	2.85	2.83	2.76	2.71
						-30	-2	+16	+26	+29	+36	+43
19102	2.96	2.28	G0	0.67	2.95	3.25	2.97	2.89	2.69	2.66	2.59	2.52
						3.05	2.81	2.67	2.59	2.57	2.51	2.46
19118	4.20	2.20	F8	0.58	2.78	-27	-3	+11	+19	+21	+27	+32
						-25	-5	+6	+15	+16	+20	+24
19096	4.45	2.30	F6	0.50	2.80	3.05	2.85	2.74	2.65	2.64	2.60	2.56

* Difference of visual magnitude from companion star, m = 7.5
Read from Stebbins' light curve, R.D. and S., p. 760.

** Nearest sp. class. Shapley ApJ 44, 277, 1916

† R.D. and S., p. 734, interpolated where necessary

†† [dm] = dm + C.I.

‡ from the computed reduction tables in the collection of useful data
The corrections are in violet above the entries

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Measured line depths.

	β	γ	δ	ε	κ	ζ
19082	~~48~~ 71	~~56~~ 89	102	169	175	63
19104	59	71	82	175	199	..
19072	45	57	50	186	206	57
19086	63	57	65	164	175	45
19108	50	40	54	164	175	..
19098	55	61	63	160	164	..
19102	45	42	45	111	134	..
19118	43	43	48	105	105	..
19096	55	67	55	71	80	..

Corrected to line depths

	β	γ	δ	ε	κ	ζ
19082	.05	.05	.06	.06	.06	.06
19104	.05	.06	.06	.07	.07	.07
19072	.06	.06	.07	.07	.07	.07
19086	.05	.06	.07	.07	.07	.07
19108	.05	.06	.07	.07	.07	.07
19098	.06	.07	.07	.08	.08	.08
19102	.05	.07	.07	.09	.09	.10
19118	.06	.08	.09	.10	.10	.10
19096	.06	.08	.08	.09	.09	.09

Corrected line depths, dm

19082	76	94	108	175	181	69
19104	64	77	88	182	206	..
19072	51	63	57	193	213	64
19086	68	63	72	171	182	52
19108	55	46	61	171	182	..
19098	61	68	70	168	172	..
19102	50	49	51	120	143	..
19118	49	51	57	115	115	..
19096	61	75	63	80	89	..

Corrected line depths, dl

19082	50	58 (61.5)	63	80	81	47
19104	44	51 (52.5)	56	81	85	..
19072	37	44 (42.5)	41	83	86	44
19086	46	44 46	48	79	81	38
19108	40	34 (38.5)	43	79	81	..
19098	43	46 47	48	79	79	..
19102	37	36 (36.5)	37	67	73	..
19118	36	37 39	41	65	65	..
19096	43	50 47	44	56	56	..

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Plates of J Ursae Majoris & Uprium

			Sid. time mid ex.	Sid. time mean noon	Diff.	J.D.	Pr.
12511	5	1900 Feb. 27					1
~~12514~~		~~1900 July 11~~					
12519	5	Mar. 2					
12524	5	Mar 3					1
12529	4	5					1
12530	4	7					
12541	15	10					
12548	4	12					
12550	4	13					
12566	4	21					
12571	4	22					
12575	5	23					
12580	4	24					
12581	4	24					
12590	5	25					
12591	5	27					
12597	4	28					
12599	4	29					
12602	4	31					
12605	4	April 2					
12608	5	3					
12609	4	4					
12612	4	5					
12619	5	7					
12625	5	8					
12626	5	8					
12630	5	10					
12633	4	11					
12636	4	13					
12640	4	15					
12641	4	16					
12643	4	19					

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Phase	dm	Reduced
	30	Bk 32, 130
	34	32, 136
	27	Bk 28, 178
	24	Bk 28, 194
	26	Bk 28, 198
	19	Bk 32, 138
	24	Bk 32, 140
	28	30, 130
	22	Bk 32, 144
	27	Bk 32, 146
	[21]	32, 150
	31	30, 128
	33	Bk 32, 148
	17	30, 116
	11	30, 118
	28	30, 120
	35	30, 124
	24	30, 122
	34	30, 126

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Reduced 2 prism plates of ζ UMa P = 20.54

	Plate	Date	Sid Time exposure	dm	approx phase	J.D.	Phase from No. 1
①	12316	1899 Dec. 6	7 43 9 45	37	0	2414995 .851	0.000
	12324	9	9 18 11 17	34	3	2414998 .908	3.057
	12327	12	9 02 11 04	25	9	2415001 .890	6.039
	12335	13	9 14 11 19	34	10	2415002 .895	7.044
~~2~~	~~12343~~	Jan 29	7 09 8 01	33	17.7	2415049 .656	12.725
	12368	19	9 14 11 26	36	16	2415008 .881	13.030
	12371	20	10 30 11 50	42	17	2415009 .914	14.053
	12377	24	7 28 9 31	38	0.4	2415013 .792	17.941
	12378	24	9 41 11 41	38	0.4	2415013 .883	18.032
	12384	26	10 59 12 32	34	2.4	2415015 .922	20.071
	12387	27	10 07 12 03	36	3.4	2415016 .891	0.491
	12390	28	7 44 9 49	40	4.4	2415017 .792	1.401
	12401	1900 Jan. 2	9 51 11 52	24	9.4	2415022 .865	6.474
	12404	3	9 43 11 44	32	10.4	2415023 .857	7.466
	12411	6	9 46 11 58	42	13.4	? 2415026 .855	10.464
	12424	16	6 41 8 42	42	2.7	? 2415036 .696	20.296
	12429	21	6 33 8 27	35	7.7	2415041 .674	4.743
	12432	22	7 30 9 33	29	9.7	2415042 .714	5.755
	12433	22	11 32 13 30	28	9.7	2415042 .879	5.948
	12435	23	11 07 13 03	~~35~~ 26	11.7	2415043 .858	6.927
	12450	Feb. 1	3 45 5 52	45	19.7	2415052 .947	16.016
	12479	6	11 23 13 17	38	4.2	2415057 .831	0.361
	12496	20	4 47 6 48	42	18.2	2415071 .521	14.050

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For J. D. Hertzsprung table

Sid time at moon	Mid exposure sid	Mid exposure time	Diff
17 0.2	32	44	15 44 ✓
17 12.0	34	18	17 06 ✓
17 23.9	34	03	16 39 ✓
17 27.8	34	16	16 48 ✓
20 33.1	31	36	11 03 ✓
17 51.5	34	20	16 28 ✓
17 55.4	35	10	17 15 ✓
18 11.2	32	30	14 19 ✓
18 11.2	34	41	16 30 ✓
18 19.1	35	46	17 27 ✓
18 23.0	35	05	16 42 ✓
18 27.0	32	46	14 19 ✓
18 46.7	34	52	16 05 ✓
18 50.6	34	44	15 53 ✓
19 2.5	34	52	15 50 ✓
19 41.8	31	42	12 0 ✓
20 1.6	31	30	11 28 ✓
20 5.5	32	32	12 26 ✓
20 5.5	36	31	16 25 ✓
20 9.5	36	05	15 55 ✓
20 44.9	28	48	18 03 ✓
21 4.7	36	20	15 15 ✓
21 59.8	29	48	7 48

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Microphotometered K star fields

Plate	No.	μp	R.A. 1900	Dec. 1900	Star	Meas.	Mags.	Cou. m	m	H.D. Sp.
C15534	1	2001	5 42.3	+39.9	τ Aur	✓ 30,86			5.64	K0
	2	2002	5 44.6	+39.7	ν Aur	✓ 30,86			5.18	K0
	3	2003			+39°1435	30,86			6.52	A2
	4	2004	5 45.1	+38.6						
C 291	1	2009	2 57.1	+3 42	α Cet *	✓				
	2	2009			+3°420					
C15865	1	2020	15 416	+7.7	λ Ser *	✓				G
C17325	1	2052	18 50	+59.3	0 Dra *	✓			5.78	K0
	2	2053			+59°1926				6.66	B9
	3	2054			+59°1929				6.82	B5
C17068	1	2070							5.11	G0p
C 9667	3	2146			α₁ Cap *	✓ 30,132			~~4.55~~	~~G5~~
	2	2146			α₂ Cap *	✓ 30,133			4.55	G5
	1	2147			β Cap					
	4	2147								
C15548	2	2154	15 2.2	+48.5	HD 133962	36,17			5.59	A0
	1	2155	15 0.6	+48 0	44 Boo * HD 133640	✓ 36,16			5.42	G0
	3	2156	14 57.2	+47.7	HD 133029	36,18			6.16	A0p
C15513	1	2157	10 5.7	−11.8	λ Hya −11°2820	✓ 36,30			4.83	K0
	2	2158	10 5.2	−12 19	HD 88215 −12° 3101	✓ 36,31			5.70	F0
	3	2159	10 5.0	−11 36	HD. 88182 −11°2818	36,32			6.26	A2
C15597	1	2160	15 28.2	+41.2		36,38			5.04	A2
	2	2161	15 27.3	+41.2		✓ 36,39			6.33	K5
C15554	1	2164	6 9.0	+29 33	K Aur * HD. 43039	✓ 36,1			5.45	K0
	2	2165	6 12.2	+29 49	HD 43646	36,2			6.86	A0
	3	2164	6 10.0	+30 9	HD 43228	36,3			6.85	B9
	4	2166	6 11.4	+29 15	HD 43495	36,4			7.7	A0
	5	2166	6 10.1	+28 54	HD 43246	36,5			7.37	A2p
	6	2167	6 4.9	+28 56	HD 42314	36,6			7.58	B8
	7	2165	6 10.5	+30 2	HD 43314	36,7			8.17	A2

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K stars for catalogue marked in orange
Reduced & intered in catalogue ✓

π (Yale)
..
19±8
..
11±7
87±9
11±8
−13±14
−13±16
5±10
..
0.″076±6
..
..
..
..
..
..
14±7
-
-
-
-
-
-

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K stars

Plate	No.	Rep	R.A. 1900	Dec. 1900	Star	Meas.	Mags.	Corr. m	m	H.D. Sp.
C 15545	1	2169	11 22.8	+3.4	+3°2504 ✓	36,34			6.18	K0
	2	2168	11 21.7	+3 33	+3°2502 +3°2503	36,35			7.19 8.9	K0
	3	2170			+3°2506	36,36			8.6	F8
C 15579	1	2172	15 10.7	+0.7	+0°3327				5.71	A3
	2	2171			+0°3337 ✓				7.22	K5
	3	2172			+1°3059				7.72	K0
	4	2173			+1°3052				8.10	K0
	5	2173			+0°3322				7.99	A0p
C 15595	1	2174	13 13.1	+41.1	HD 115604 ✓	36,10			4.94	F0
	2	2177	13 9.0	+41 37.5	HD 115271	36,11			5.82	A5
	3	2178	13 7.1	+40 56.1	HD 115004 ✓	36,12			6.05	K0
	4	2176	13 13.8	+40 55.9	HD 116010 ✓	36,13			6.69	K0
C 16458	1	2202			58728 ✓	36,24			5.69	F5
	2	2203			58551 ✓	36,26			6.87	F5
	3	2204			58579 ✓	36,25			6.16	F0
	4	2205			58246	36,27			7.03	A5
	5	2206			57900	36,28			8.0	B9
C 18567	1	2207	1 1.5	+22 59	α Ari ✓	36,20				K2
	2	2208	1 1.0	+22 11	K Ari	36,21				
C 2396	1	2209			p Cas ✓	36,42			5.35	F8p
	2	2210			HD 224151	36,43			5.81	B0
C 16459	1	2214	7 33	+34.8	o Gem ✓	30,148			5.20	F0
	2	2215		~~+35°1662~~	+35°1662	30,149			6.39	G5
	3	2216		~~+34°1657~~	+34°1657	30,150			6.28	F0
C 9675	2	2217			β CMi	30,144			3.04	B8
	1	2234	7 22.8	+9 8	γ CMi ✓	30,146			5.60	K0
	3	2235	7 20.2	+9 28	ε CMi ✓ +9°1643	30,145			5.85	G5
C 9643	1	2237	0 33.3	+28 46	ε And ✓	30,143			5.30	G5
	2	2238	0 34.0	+30 19	δ And ✓	30,142			4.56	K2

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Si Sr star

25 ± 9

20 ± 12

40 ± 6

26 ± 6

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K stars

Plate	No.	μcp	R.A. 1900	Dec. 1900	Star	Meas.	Mags	Cor. mv	HD. m	HD. Sp
c 15553	1	2239	5 47	+27.6	+27°899	30,136			4.54	A0
	2	2240			+27°888 ✓	30,137			6.65	K0 ✓
	3	2244			+27°904	30,138			7.5	B2
	4	2242			+27°896	30,139			7.56	F5
	5	2241			+28°918	30,140			8.1	A0
	6	2245			+27°906	30,141			8.4	F5
	7	2243			+27°880	—				
9868	1	2257	11 13.1	+33 39	ν UMa ✓	30,158			4.71	K0
	2	2257	11 12.9	+32 6	ξ UMa ✓	30,158			5.43 4.93	G0
15267	1	2259	1 05	+54 .6	θ Cas	30,147			4.66	A5
	2	2260	0 58.7	+54 12	μ Cas ✓	30, 162			6.04	G5
16984	1	2261	23 00	+49 5	3 And ✓	30,211			5.91	K0
	2	2262	23 3.2	+48 45	? And ✓	30,189			6.11	F0
	3	2262			+48°3950	30,189			6.36	B3
	4	2263	23 26		+49°4045	30,210			6.99	A5p
2434	1	2265			o Jan ✓	30,156			3.8	G5
	2	2264			ξ Jan	30,156			3.70	B8
16953	1	2266	21 40	+70 .8	11 Cep ✓	30,187			5.85	K0
	2	2267			+69°1198	30,186			6.42	A0
16676	1	2282	2 08	+8.4	ξ¹ Cet ✓ ✓	30,185	27,160	5.68	5.32	G5
	2	2284			+7°347 ✓ ✓	30,184	" "	6.64	6.30	G0
15957	1	2285	21 13.5	+39.0	σ Cyg	30, 171			4.28	Aap
	2	2285			+34°4519	30,172			6.64	A0
15000	1	2293	0 51.9	+22.9	η And ✓	30, 160			5.40	G5
	2	2293	0 49.6	+23.5	H.P. 141	30, 161			6.60	K0
15669	1	2295	10 22	+37.2	β L Mi ✓	30, 165			5.41	K0
	2	2296	10 22.2	+37 0.3	+37°2088	30, 166			7.05	F0
14974	1	2297	22 06	+32.7	π Peg ✓	30,152	27,164	4.73	4.80	F5
	2	2298	22 05	+32.7	HD 210459 ✓	30,153	" "	6.65	6.65	K0

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π

unmeasurable

7±8

HD 98230, 31. Bu 5734. P.A. 238°.7. Dist. 1".75. Comb. mag. 3.86

7±4

-4±9

48±7

5±9

17±8

✓

✓

8±9

11±11

5±7 ✓

✓

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K Stars

Plate	No.	μφ	R.A. 1900	Dec. 1900	Star	Meas.	Mags.	Cor. m	H.D. m	Sp.
17014	1	2299	19 18	+38.0	θ Lyr	30,215			5.46,	KO
	2	2299	19 16	+37.3	+37°3413	30,215			6.19	A0
	3	2300	19 16.2	+37.2	+37°3417	—				
15793	1	2316	17 44	+72.2	φ Dra	30,154			4.9,	F5
	2	2316	17 39.9	+72 32		30,154				
	3	2317			+72°799	30,154			10.5	A0
15833	1	2318	17 53.9	+77.0	35 Dra	30,169			5.46	F0
	2	2318			HD163767	30,169			8.06	G0
	3	2319			HD164445	30,167			7.40	F0
16176	1	2320	6 28	+7.4	+7°1337	30,181			4.50	B0p
	2	2321			+7°1354	30,183			9.1	G5
	3	2322	6 22.7	+7 12	+7°1314	30,182			7.7	B3
15556	1	2323	10 37.7	+46 7	Schl 810	30,164			5.56	F0
	2	2323	10 36.8	+46 19.3	+46°1655	30,164			9.7	A2
15988	1	2324	21 37	-19.3	κ Cap	30,173			6.3	G5
	2	2325	21 38	-20 4	-20°6270	30,174			7.2	A3
16985	1	2326	23 02 ~~23 00~~	+8.9 ~~+49 5~~	55 Peg ~~3 And~~	30,211			6.04 ~~4.9~~	Ma ~~KO~~
	2	2327	23 05	+9 17	+9°5170	30,212			5.29	B8
	3	2328			+8°4981	—				
	4	2329			+7°4991	30,213			5.23	A3
15906	1	2338	17 37.5	+68 48	ω Dra	30,168	27,138	5.03	5.29	F5
	2	2339	17 32.5	+68 12	ζ Dra	30,170	" "	6.7.6	6.21	KO
16022	1	2340	1 6.1	+20 30	χ Psc	30,175			5.89	KO
	2	2340	1 2.6	+20 12	ψ² Psc	30,176			5.69	A2
16035	1	2341	23 05	+74.8	π Cep	30,179			5.34	G5
	? 3	2342	23 05		+73°1023	30,180			5.74	A0
16023	1	2343	3 4	+19 0	δ Ari	30,177	27,162	5.66	5.53	KO
	2	2344	3 6	+19 4	+18°418	30,178	27,162	6.70	6.97	A0

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1926phae.proj.1109P

-7±7

unmeasurable

45±5

19±7

14±9

~~-4±9~~

unmeasurable

34±6 ✓

10±9 ✓

0±8

47±34

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1926phae.proj.11GP

K stars

Plate	No.	μcp	R.A. 1900	Dec. 1900	Star	Meas.	Mags.	Cor. m	H D C. M.	Sp.
16043	1	2345	3 59	+21.8	HD25604	30,206			5.50	K0
	2	2346			HD 25680	30,207			6.74	G5
16143	1	2347	1 40	+8.6	o Psc	30,209	21,150		5.50	K0
	2	2348			+7°275				8.28	K0
15342	1	2350	7 22.3	-19.5	-19°1967	30,205			5.49	B3
	2	2352	7 29.9	-19 55	-19°1950	30,203			6.9	B3
	3	2351	7 28.9	-19 12	-19°1944	30,204			~~5.76~~ 7.3	~~K0~~ K0
2326	1	2354	4 19.7	+17 42	+17°719	30, 201			4.30	A2
	2	2355	4 18.4	+17 13	+17°714	30,202			4.98	A5
	3	2356	4 17.2	+17 18	δ Tauri +17°712	30,200			4.93	K0
16495	2	2369	8 51		σ³ Cnc	30,194			6.42	G5
	1	2370	8 51	+33.3	σ² Cnc	30,195			5.56	A3
17054	1	2371	21 03		f² Cyg	30,190	27,156	6.06	6.06	K5
	2	2372	21 05		+47°3322 3321	30,191		7.06	B5, 6.24, M0, 9.3	
	3	2373	21 03	+47.2	+46°3159	30,192		7.14	6.44	A5
	4	2374				30,193		8.02	P	
16915	1	2375	19 49	+8.2	ξ Aql	30,196			5.86	K0
	2	2376	19 43.3	+7 32.4	+7°4252	30,197			6.22	B3
	3	2377			HD188385	30,199			5.97	A0
	4	2376			HD187854	30,198			7.7	A2
17246	1	2378	18 50	+59.3	59 Dra +59°1925	38,32			5.78	K0
	2	2378			+59°1926	38,33			6.66	B9
	3	2379			+59°1929	38,33			6.82	B5
x 6514	1	2414			α Cir	32,159				
x 4185	1	2415			α Cir	32,158				
x 9848	1	2416			ε Ind					
	2	2416								
x 4920	1	2422	21 55.7	-57 12	ε Ind		27,154	6.90	6.9	K5
	2	2422	21 53.6	-56 22	HD208796		27,154	6.83	7.1	A0
	3	2423	21 56.9	-56 27	HD209268		27,154	7.38	7.5	G0

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3±7

11±7

14±9

17±9 HD 27697

13±8

38±11

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K stars

Plate	No.	μφ	R.A. 1900	Dec. 1900	Star	Meas.	Mags.	Cor. m.	H.D.C. m	Sp.
X6871	1	2424	22 55.8	-59 35	ε Ind		27,154	6.90	6.9	K5
	2	2425	21 53.6	-56 22	AGC 30057		27,154	6.83	7.1	A0
	3	2425	21 56.9	-56 27	AGC 30133		27,154	7.38	7.5	G0
? X14814	1	2438								
	2	2439								
	3	2440,1								
	4	2442								
? X13705	1	2479	17 11.5	-0.3	41 Oph				5.82	K0
	2	2480								
	3	2481								
C 16587	1	2482,3	15 30	+10.9	8 Ser				5.44 4.91	F0 A5
	2	2484			+10°2884				6.40	K0
	3	2485								
C 16550	1	2486	17 38	+68.8	10 Dra +68°949	25,82			5.29	F5
	2	2487	17 32.4	+68 12	+68°938	25,83			6.21	K0
C 16849	1	2488	12 22	+28.8	γ CVn	25,86			5.56	K0
	2	2489	12 21	+27 49		25,87			5.29	A5
C 15040	1	2490	22 5.5	+32.7	π Peg	25,52			4.80	F5
	2	2491	22 4.8	+32 41	+32°4349	25,53			6.65	K0
C 16035	1	2492	23 05	+74.8	π Cep +74° 1006	25,74			5.34	G5
	3	2493	23 11.0	+73 41	+73°1023	25,74			5.74	A0
C 16513	1	2500	15 19	+30.6	η CrB +30°2653	25,78			See →	G0
	2	2501	15 16.0	+29 15,9	+30°2647	25,79			6.57	K0
C 16860	1	2502	17 26.7	+26 11	λ Her	25,90			5.48	K0
	2	2503,4	17 28.4	+26 31	+26°3038	25,91			6.99	A5
C 15258	1	2505	9 3.8	-8 11	19 Hya	25,56			5.45	B8
	2	2506	9 4.7	-8 23	20 Hya	25,57			6.44	G5
C 16203	1	2507	1 05	+54.6	δ Cas +54° 236	25,70			4.66	A5
	2	2508	1 1.6	+54 26	+54°223	25,71			6.04	G5

See over 2 pages for sequels.

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	..
	16±6
	34±6
	1±8
	5±7
	0±8 No.2 too faint
	80±10 (6.14+6.64)
	19±11
	..
	7±4 HD6961 HD6582

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Unstandardized plates of δ Cephei 2393375.26 + 5.366404 E

No. e	Date	Exp. began	ended	J.D.	Phase	μφ
17057 ✓	1907 Oct. 10 ✓	19 32	20 32	2417859.478	2.684	2562
17090 ✓	Oct. 21 ✓	20 14	21 15	17870.492	2.962	2565 ~~too poor~~ –
17179 –	Nov. 16 ✓	23 36	0 37	17896.545	2.180	too poor
17387 ✓	1908 June 2 ✓	18 24	19 24	18095.828	2.913	2561
17720 ✓	1909 May 2 ✓	15 46	16 6	18429.746	4.116	2560
17730 ✓	May 11 ✓	17 53	18 13	18438.812	2.44	2559
17742	May 25 ✓	18 30	18 50	18452.800	0.334	2557
17778	July 17 ✓	22 39	22 59	18505.828	5.066	2546
17786	Aug. 26 ✓	1 35	1 55	18545.840	2.145	2547
17790	Aug. 27 ✓	0 05	0 25	18546.774	3.075	2548 –
17793 ✓	Aug. 28 ✓	22 58	23 18	18547.725	4.025	2553
17796 –	Aug. 30 ✓	23 56	0 16	18549.761	0.6988	2551 burned out
17853 ✓	Oct. 13 ✓	23 55	0 15	18593.640	1.648	2550
17874 ✓	Oct. 26 ✓	0 30	0 50	18606.629	3.905	2555, 2558

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K stars (continued)

Plate	No.	jup	RA 1900	Dec. 1900	Star	Meas.	Mags.	Cor. m	HDC. Pg	Sp
C15533	1	2509	15 14.2	+2 9 / +2.2	5 Serpentis +2°2944	40,40			5.74	G0
	2	2509	15 13.3	+1 18	+1°3059	..			7.72	K0
	3	2510	15 16.0	+1 4	+1°3067	40,41			6.48	K0
C17233	1	2511	4 33.5 / +15 668	+15 43	+15°666 α Jan 0, Jan	40,1			4.93	A3
	2	2512	4 33.4 / +15°6	+15 36	+15°665	40,2			5.21	A2
	3	2513	4 32.5	+15 51	+15°661	40,3			6.08	F0
	4	2514	4 31.0	+15 40	+15°656	40,4			7.17	F8
	5	2515	4 30.2	+16 19	α Jan	25,94			2.24	K5
C15285	1	2516	2 36	+39.8	HD 16739	40,14			5.55	G0
	2	2517	2 36.2	+39 50	+39°611 +39°612	40,145			8.1	Bq
C15119	1	2518	23 04.7	+74.8	π Cep	40,8			5.34	G5
	2	2519	23 13.9	+74 46	+74°1016	40,9			6.50	A2
	3	2520	23 3.2	+75 3	+74°1002	40,10			6.68	Bq
C15130	1	2522	22 08	+58.9	λ Cep	32,162			(5.19)	Od
	2	2521	22 7.4	+57 42	ι Cep	32,163			4.62	K0
	3	2523	22 5.3	+58 48	+58°2395	32,164			A0 6.56	
C15743	1	2524	14 46.8 / 14 47	+19 31 / +19.5	Σ Boo +19°2870	40,28			5.4	G5
	2	2525	14 48.9	+19 34	+19°2881	40,29			6.98	K0
	3	2526	14 44.9	+19 56	+20°3026	40,30			6.87	Bq
C2436	1	2527	5 29.7 / 5 29.6	+10 10 / +9 52	λ Ori H.P. 1018	40,20			5.54	B8
	2	2528	↓	↓	λ Ori H.P. 1019-20	40,21			Oe5	
	3	2529	5 29.3	+9 25	H.P. 1017 φ1 Ori	40,22			4.29	B0
	4	2530	5 31.4	+9 15	H.P. 1030 φ2 Ori	40,23			5.39	K0
C16652	1	2531	18 50	+22.5	+22°3524 113 Her	40,50			5.12	G5
	2	2532			HD 174933	40,51			5.31	Bq
C16106	1	2533	1 40	-16.5	τ Cet	25,66			5.5	K0
C17064	1	2534	1 27	+53.7	χ Cas	40,34			5.58	K0
	2	2534			+57°320	..			7.05	K0
	3	2535			HD 9737	40,35			7.27	A5
	4	2535			HD 9812	40,36			7.01	B8

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3p		
4 G0	38±8	
2 K0		
8 K0		
3 A3	22±3	
A2	57±8	
8 F0		
7 F8		
4 K5		
.5 G0		
B9		HD 16772 Ptm mg. of close comp. = 8.9
1 G5	0±8	
A2		
8 B9		
1) 0d	5±7	
2 K0	26±6	
6.5b		
G5	27±9?	Close double
K4p	168±7	N.B. Adams + Joy class as K4
K0		
8		
B9		
4 B8		
25		HD 36861, 62. Combined Ptm, 3.49. Ptm individual maps 3.66, 5.56
B0		
9		
9 K0		
5	20±8	Comp; G0 + A3
1 B9		
K0	315±9	no standard. Use C 16104
2	17±8	
8 K0		
5 K0		HD 9352, 53. Spectrum composite
2 B0		
A5		
B8		

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1996phae.proj.110MP

K Stars

Plate	No.	μep	R.A. 1900	Dec. 1900	Star	Meas.	Mags.	Cor. m.	HDC. Sp. Pg
C16596	1	2536	16 17.7	+76.1	+76°594 η UMa	40,14			B8 5.46
	2	2537	16 20.4	+76.0	+76°596	40,15			F0 5.32
	3	2538	16 23.0	+76 22	HD 148432	40,16			A3 6.98
C16104	1	2539	20 42.9	+57.2	+57°2240	25,60			5.4 G0
	2	2542	20 39.8	+57 2	+56°2474	25,61			6.95 A3
	3	2543			+56°2477	25,62			6.19 B3
	4	2544	20 47.7	+56 26	+56°2495	25,63			6.96 B8
	5	2545							

See page 130

Redetermination of magnitude in K fields

Plate	H.D. m_1	m_2	Diff.	Remeasured m_1	m_2	Diff.	Corr.	Corr. diff.	Δd
16676	5.68	6.64	0.98 ~~0.96~~	5.32	6.30	0.96	+0.05	1.01	+0.03
14974	4.80	6.65	1.85	4.73	6.65	1.92	−0.11	1.81	+0.04
15906	5.29	6.26	0.92	5.03	6.76	1.73	−0.11	1.62	−0.70
16023	5.53	6.97	1.44	5.66	6.70	1.04	+0.36	1.40	+0.04
17054	6.06	6.44	0.38	6.06	7.14	1.08	+0.44		
4920	6.90	7.10	0.20	6.90	6.83	−0.07	+0.52	0.45	+0.25
	6.9	7.5	0.60	6.90	7.38	0.48	+0.28	0.76	+0.16
	7.1	7.5	0.40	6.83	7.38	0.55	−0.24	0.31	−0.09

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1926phae.proj.1109P

C.
Pg
·46
32
98
0
A3
B3
B8

44 ± 10

41 ± 9

southern field

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1926phae.proj.1106P

Consistency of results from I38099 and remeasure. (Bk 27 p 114)

Class	No.	P_g.	m_1	m_2	Diff	
A0	16	6.79	6.56	~~6.44~~ 6.25	- 31	*
				7.72		
	31	7.62	7.73	~~7.91~~	- 1	
	41	9.0	8.48	8.48	0	
	64	7.49	7.73	7.72	- 1	
	66	8.2	8.80	8.48	-32	*
	85	7.72	7.54	7.52	-2	
	88	8.0	7.86	7.83	-3	
	101	8.4	8.08	8.05	-3	
	133	8.0	8.08	8.17	+5	
	149	8.4	8.37	8.48	+11	
	154	8.4	8.20	8.33	+13	
	164	5.62	5.44	5.37	-7	
	165	6.87	7.06	7.09	+3	
	170	5.00	5.04	~~4.93~~	-11	*
	171	8.2	8.54	8.48	-6	

-95
+32
63 (4)

Mean residual = $0^m.04$

A2	91		7.06	6.96	-10	
	109		7.16	7.~~09~~ 12	-4	
A3	46		7.92	7.26	+4	
	106		7.97	8.20	+23	
A5	12		7.68	7.80	+12	
	179		6.94	6.96	+2	

+41
14/27 (4)

Mean residual = $0^m.04$

K0	130		7.11	6.88	-23	
	19		7.68	7.~~20~~	-48	
	145		7.86	7.~~20~~	-34	
K5	40		7.54	7.~~49~~	-37	
K8	55		7.16	6.68	-48	
F5	a		4.24	4.28	+4	

-190
(-38)

Mean residual = $0^m.38$

This is probably the result of difficulty of setting for K stars.

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Data on line slopes. Depths only

Class →	B1	B5	B8	cB8	A0	cA2
Star →	βCru	η Tau	28 Tau	βOri	αCMa	αCyg
β	21	34	42	21	32	38
γ	17	43	47	36		35
δ	33	49	51	36		51
ε	31	52	54	41	83	(61)
ζ	38	53	65	35	82	44
η	53	54	67	35	74	41
θ	49	57	67	39	67	37
ι	41	57	63	32	50	34
κ	33	52	51	29	50	31
λ	27	50	40	27	41	26
μ	18	36	36	24	30	18
ν	18	32	20	17	22	17
ξ	16	23		18	10	
ο	10	17		13		
π				12		
ρ				11		
σ				..		

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Integrated

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Southern K stars

Plate	No.	μφ	RA 1900	Dec 1900	Star	Meas.	Pfg	Sp.	π
X13743	1	1170	18 3.6	-30 45	HR6780	25, 1	7.1	K0	..
	2	1170	17 59.4	-30 26	HR6746	25, 1	3.07	K0	..
	3	1170	17 28.6	-29 35	W Sgr	25, 4	var.	var.	
X13871	1	1172	14 6.6	-53 2	HR5308	25, 15	7.0	Comp. K0, A2	..
	A	1172				25, 14		A	
	2	1171	14 8.6	-53 2	HD124454	25, 15	7.5	K2	..
	5	1171				25, 14			
	3	1173	14 3.3	-52 57	HD123569		6.7	K0	..
		1174							
X13889	5	1175	18 47.1	-45 36	HD174779		7.3	A0	
	2	1176	18 45.1	-46 42	HR7092		6.9	Ma	..
	4	1177	18 45.6	-46 42	HD174800		6.9	A2	
	1	1177	18 42.0	-45 55	HR7065		7.0	K0	..
	3	1178	18 41.1	-46 34	HD173623		8.2	K0	..
	6	1178	18 41.5	-45 23	HD173697		8.2	G5	..
X13574	1	1179	19 3.1	-39 30	β CrA	25, 7	6.2	G5	..
	2	1180	19 1.3	-40 39	δ CrA	25, 8	6.4	K0	..
X13503	3	1181	20 12.5	-12 51	α_2 Cap		4.55	G5	-13
	1	1193	20 10.9	-12 39	3 Cap		6.39	Bq	
	2	1193	20 12.1	-12 49	α_1 Cap		5.11	Gop	-13
	4	1194	20 15.1	-13 4	ν Cap		4.84	A0	
X13898	2	1195	19 58.0	-32 20	HD190056		7.3	K0	..
	1	1196	19 54.3	-32 27	HD189328		7.8	A0	
	3	1197	19 59.2	-33 17	HD190306		7.2	B8	
X13550	1	1198	17 17.0	-56 17	γ Ara		3.29	B1	..
	2	1198	17 17.0	-55 26	β Ara		5.5	K2	..
X13708	1	1199	10 13.7	-60 50	HD89388		5.5	K5	..
	3	1199	10 6.2	-61 4	S Car		var.	Me	

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Southern K Stars

Plate	No.	μμp	R.A.	Dec. 19′	Star	Meas.	Ptg.	Sp.	π	
X13664	1	1251	2 12.1	-68.3	π_1 Hyi			Ma		
	2	1251	2 13.4	-68 13	π_2 Hyi			K5		
	3	1252								M
	4	1252								G
	5	1253								A5
	6	1253								A0
13666	1	1254	6 51.5	-50.5	H.R. 2594					
	2	1254	6 47.5	-50.5	H.R. 2553					
	3	1255	6 44.5	-51.2	H.R. 2523					
	4	1255	6 44.0	-51.6						A2
13658	1	1256	3 13.9	-22.9	H.R. 994					
	2	1256	3 15.1	-22.1	H.R. 1003					
13669	1	1257	6 26.3	-69 38						K
	6	1257								A
	2	1258	6 33.6	-69.9						
	4	1258								
	3	1259								G
	5	1259								
13657	1	1260	1 56.8	-30 28	π For					G5
	2	1260	1 58.0	-30 9						A3
13660	1	1262	1 27.1	-30 8						K0
	2	1262								K0
	4	1265								K0
	3	1266								K0
X13840	1	1269								
	2	1270								
X13903	1	1272	19 50.7	-63 17	μ_1 Pav			K0		
	2	1272	19 52.2	-67 13	μ_2 Pav			K0		

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M
G
AS
Ao

A2

K
A

G

GS
A3
Ko
Ko
ko
Ko

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1926phae.proj.1108P

Southern K stars

Plate	No.	jup	R.A.	Dec.	Star	Mens.	Ptg	Sp	H	
X13678	1	1274			HR 2662					K
	2	1274	6 56.0	-58.4						K
	3	1275			HR 2712					K
	4	1275								A
X13688	1	1277	8 54.6	-48.2	HR 3583					K
	2	1277								A
X13673	1	1279	7 52.8	-57.0	HR 3105			K2		
	2	1279								A
X13691	1	1282	9 48.1	-59.0	HR 3913			K2		
	4	1282								A
	2	1283								Ao
	3	1283								A
	5	1284								A
X13674	2	1285								A
	3	1285								A
	5	1286								A
	1	1287	8 58.5	-60.6	HR 3604					

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Star Identifications

Plate No.	Star No.	HD	Ptg	Sp	α	δ	HR	μφ	
13664	1	14141	7.1	Ma	2h 12. 1	-68 19	667	1251	π¹ Hydri
✓	2	14287	7.4	K5	2h 13. 4	-68 13	678	1251	π² Hydri
	5	14793	7.0	A3	17. 9	-68 33	—	1253	—
	3	14577	9.3	Ma	16. 2	-68 15	—	1252	—
	6	15008	4.32	A2	20. 0	-69 7	705	1253	δ Hydri
	4	14747	8.7	G0	17. 5	-68 9	—	1252	
X 13666	3	49689	6.9	K2	6h 44. 5	-51 10	2523	1255	Carina
✓	2	50310	3.83	K0	47. 5	-50 30	2553	1254	τ Puppis
	1	51266	7.3	K0	51. 5	-50 30	2594	1254	Puppis
	4	49594	8.2	A2	44. 6	-51 6	—	1255	
X 13658	1	20610	6.05	K0	3h 13. 9	-22 52	994	1256	15 Eridani
✓	2	20720	5.30	M3	15. 1	-22 7	1003	1256	T⁴ (16) Eridani
X 13660	1	9377	7.0	K0	1h 27. 1	-30 48		1262	
	2	9349	7.5	K0	1h 26. 9	-30 36		1262	
	5	9159	8.4	F3	25. 1	-30 34		1264	
✓	6	9064	9.5	K2	24. 1	-30 24		1264	
	7	9475	8.9	F0	27. 9	-30 13		1263	
	8	9576	8.9	K2	28. 8	-30 27		1263	
	4	8832	8.5	K0	21. 9	-30 48		1265	
	3	8887	8.0	K0	22. 5	-30 45		1265–1266	
X 13657	3	12318	8.5	A2	1h 55. 7	-30 21	—	1261	—
✓	1	12438	6.7	G5	1h 56. 8	-30 28	594	1260	π Fornacis
	2	12563	6.8	A3	1h 58. 0	-30 9	686	1260	—

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Plate No.	Star No.	H D	Ptg	Sp	α	δ	H.R.	μφ	
X-13480	1	129893	7.3	K0	14h 40.0	-51 57	5495	1269	b Lupi
	2	129932	6.8	A0	40.2	-51 47	5498	{1270 1269	—
	3	130377	8.0	A0	42.7	-52 19	—	1271	—
	4	130454	7.8	B9	43.2	-51 58	—	1271	—
	5	129352	9.9	F2	36.9	-51 36	—	1270	—
X-13903	1	188584	7.1	K0	19h 50.7	-67 13	7603	1272	μ^2 Pavonis
	2	188887	7.1	K0	19h 50.2	-67 13	7612	1272	μ^2 Pavonis
	3	190222	8.6	K5	19 58.8	-66 39	7663	1273	— Pavo
	4	190248	4.42	G5	58.9	-66 26	7665	1273	δ Pavonis
X-13688	1	77020	7.3	K0	8h 54.6	-48 11	3583	1277	Vela
	2	76160	6.0	B3	49.3	-47 59	3559	1277	"
	3	77224	7.8	K0	56.0	-47 34	—	1278	"
X-13673	1	65273	7.2	K2	7h 52.8	-57 2	3105	1279	Carina
	3	65710	8.3	K0	54.8	-57 10		1280	
	2	65852	7.0	A0	55.6	-57 12		1279	
X-14881	1	153919	6.7	O8	16h 57.2	-37 42	—	1290	δ
	2	153890	6.5	F0	57.0	-38 0	6327	1291	Scorpius
	3	153767	7.4	A0	56.2	-37 34	—	1292	
	4	153575	8.0	B8	55.2	-37 9	—	1293	
X-14911	1	119078	9.4	O8	12h 35.9	-66 54		1297	
	2	119050	9.1	B9	35.8	-66 58		1298	
	3	118475	7.6	G0	32.0	-67 10		1294	
	4	118821	8.5	F0	34.1	-67 23		1295	
	5	119423	7.3	B8	38.0	-66 16		1296	

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Plate No	Star No	HD	Ptg	Sp	α	δ	HR	μ φ	R	P
X-14931	1	93911	8.5	B5	11h 45.3	-59 39	—			X
	2	93737	6.1	A2p	44.2	-59 24	4228		lines narrow	
	3	93695	5.8	B5	43.9	-59 21	—			K-
	4	93502	6.2	A0	42.5	-60 5	4217			
	5	93308	Var	Pec	41.2	-59 10	4210		η Carinae	
	6	93222	8.2	B2	40.7	-59 34	—			
	7	93206	6.6	B0	40.6	-59 28	—			X-
	8	93131	6.3	Ocp	40.1	-59 36	—			
	9	93070	6.9	K5	39.7	-60 3	4206		W Carinae	
	10	93146	8.8	B	40.2	-59 34	—			
	11	93220 {c 8.8 / 8.8	B	40.6	-59 13	—			X-1
	13	92741	7.3	B3	37.4	-59 27	—			
	20	93943	6.10	A0	45.5	-58 48	4239			K
	14	92740	6.3	Ocp	27.4	-59 9	4188			
	21	94173	6.8	A0	47.0	-59 26	—			
	12	93268	9.7	A0	41.0	-59 2	—			
	15	92644	8.6	B8	36.7	-59 16	—			X
X-13657	3	12318	8.5	A2	1h 55.7	-30 21	—	1261	—	X
	1	12438	6.7	G5	56.8	-30 28	594	1260	11 Hornsii	
	2	12563	6.8	A3	58.0	-30 9	606	1260		
X-13480	1	129893	7.3	K0	14h 40.0	-51 57	5495	1269	b Lupi	
	2	129932	6.8	A0	40.2	-51 47	5498	{1270 / 1269	"	
?	3	130377	8.0	A0	42.7	-52 19	—	1271		X
?	4	130454	7.8	Bq	43.2	-51 58	—	1271		
	5	129352	9.9	F2	36.9	-51 30	—	1270		

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Plate No	Star No	H D	Ptg	Sp.	α	δ	H.R	μ φ	
X-13661	2	16417	7.3	G5	2h 32.8	-35	0	772	1341	λ² For
	1	15975	7.2	K0	28.9	-35	5	744	1342	λ' For
K-star	3	16715	8.9	K0	35.6	-35	28	—	1341	-
program	4	16404	8.7	K0	32.7	-35	45		1342	-
	5	16690	9.6	K0	35.4	-34	57	—	not used.	-
X-13688	1	77020	7.3	K0	8h 54.6	-48	11	3583	1277	Vela
K-star	2	76160	6.0	B3	49.3	-47	59	3539	1277	-
program	3	77224	7.8	K0	56.0	-47	54	—	1278	-
X-13674	1	77615	7.6	K0	8h 58.5	-60	34	3604	1287	Carina
	2	76728	3.93	B8	8h 52.8	-60	16	3571	1285	c Carinae
K-star	3	76538	5.81	B3	51.6	-59	59	3560	1285	Carina
program	4	76188	8.2	G0	49.4	-60	0	—	1286	-
	5	76234	7.6	B9	49.7	-61	3	—	1286	-
X 14935 O-star		Identifications same as X 14911					See page 170			
X 14871	1	96548	8.2	Oc	11h 2.3	-64	58		1343	
	2	96568	6.6	A2	2.4	-64	18		1345	
	8	96920	8.7	K0	4.4	-64	53		1344	
	7	97320	8.7	F5	6.9	-64	52		1346	
	6	97522	7.5	B0	8.2	-64	40		1347	
	~~5~~	same as #2							1345	
X-14872	1	97152	7.9 ~~8a~~	0a ~~7~~	11h 5.8	-60	26	μφ 1363		
	2	97534	5.15	F5p	8.3	-59	46	1362		lines very narrow ? Carinae emission line in Red
	3	97166	7.9	B2	7.9	-59	42	1362		
	4	96829	7.9	B8	3.9	-60	17	1363		
	5	97557	~~8.6~~	~~A~~ A2	8.4	-60	23	1365		
Chart plate very crowded here difficult to see	6	96970	8.3	A0	4.7	-60	22	1364		
	7	96654	8.6	B9	2.9	-60	8	1364		

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Plate No	Star No.	H.D.	Ptg	Sp	α	δ	H.R.	μφ	R
X-14930	1	92809	9.1	Oa	10h 37.8	-58 15			
	2								
	3								
	4								
	5								
X-14947 ✓	1	165763	7.7	Oa	18h 2.5	-21 16		1355	
	3	165784	7.3	A2p	2.6	-21 28		1355	
	2	165516	5.5	B1	1.2	-21 27		1354	
	4	165151	8.3	A0	59.5	-21 9		1354	
X-14939 ✓		same as X14931		see P 172				1308-1317	
X-14942 ✓	1	156385	7.5	Oa	17h 12.1	-45 32	~~1349~~	1349	
	3	155634	7.7	F2	7.7	-45 46	~~1348~~	1348	
	4	155494	8.5	A0	6.8	-45 13	~~1348~~	1348	
	2	156623	7.6	A0	13.5	-45 19	~~1350~~	1350	
X-14890 ✓	5	same as X14942			above			1351-1353	
	6								
X-14927 ✓	1	115473	9.0	Oa	13h 12.2	-57 37			
	3	115599	9.0	A2	13.0	-57 40			
	2	114808	8.1	A0	7.8	-57 47			
	5	115436	7.0	B8	12.0	-56 46			
	4	115130	9.3	B8	10.0	-57 50			
X-14857 ✓	1	50896	6.9	Ob	6h 50.0	-23 48			
	7	50877	7.0	K2p	49.9	-24 4			o.c. 24
	2	50853	6.8	A0	49.8	-24 25			
	8	50646	7.5	B3	49.0	-24 2			
	4	50304	7.2	A0	47.5	-23 42			

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Plate No	Star No.	H.D.	Ptg	Sp	α	δ	H.R.	μφ	R.
X-14884	1	143414	9.2	Ob	15h 55.0	-62 24		1374	
	2	143170	8.3	B8	53.7	-62 26		1373	
	3	143141	8.7	A3	53.5	-62 36		1373	
	4	143475	9.3	B9	55.4	-62 41		1372	
	5	143582	9.3	A0	56.1	-62 35		1372	
X-14918		same as X14947			see page 174			1356 +7	
X14938		same as X14881			see page 171			1378-1377	
X14941		same as X14871			see page 173			1375-8	
X14936	1	152386	8.8	Oe	16h 47.9	-44 50		1392 1391	
	2	152250	8.2	F0	47.1	-44 44		1391	
	4	152294	9.4	A0	47.4	-44 17		1390	
	3	152438	8.2	B8	48.2	-45 11		1390	
	5	152061	9.5	A0	46.0	-44 45		1392	
X-14904		same as 14927			see page 174			1360-1361	
X-14877	1	150958	7.8	Oe	16h 39.2	-46 55		1396	
	2	150897	6.9	A2	38.8	-46 21		1395	
	X3	150500	7.2	B8	36.3	-46 55		1395	
	X4	150592	8.5	B9	36.9	-46 53		1395	
X-14928		same as X-14877			above			1393-1394	
X-14907		same as X-14936			above			1385-1387	
X-14886		same as X-14936			above			1388-89	

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Plate No	Star No	H.D.	Ptg	Sp	α	δ	H.R.	μφ	TR
X-14933	1	163758	7.1	De	17h 52.7	-36 0		1415	
					51.2	-35 59			
	3	163482	7.1	Ao	~~52.5~~	~~-37~~ ~~17~~		1416	
	2	163724	8.0	Ao	52.5	-37 17		1415	
X-14887		same as X-14933			above				
X-14885	1	136488	9.1	Obp	15h 15.8	-62 19		1399	
	2	136227	7.9	Bq	14.3	-62 13		1397	
	3	136999	7.9	Ao	18.5	-62 24		1398	
		~~137164~~	~~8.8~~	~~G5~~	~~19.3~~	~~-62~~ ~~40~~			
	4	135788	7.5	Bq	11.8	-61 50		1397	
	5	135[illegible]	9.2	Ao	12.6	-62 38		1398	
X-14876		same as X 14885			above				
X-14878	1	151804	5.8	Oe	16h 44.5	-41 4			
	2	151965	6.2	Bq	45.5	-40 33			
X-14903		same as X-14878			above			1408	
X-14895	1	164270	8.6	Obp	17h 55.2	-32 43		1406	
	2	164152	8.6	Ao	54.7	-32 43		1406	
	3	163868	7.6	B3	53.3	-33 24		1407	
	4	163598	8.8	Ao	51.8	-32 23		1407	
X-14944	1	164270			as above	X-14895		1400	
	2	164152			" "	"		1400	
	3	163868			" "	"		1401	
	4	163598			" "	"		1401	
	5	163557	8.9	Bq	51.6	-32 58		1401	

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Plate No	Star No.	H.D.	Mag	Sp	α	δ	H.R.	μ φ	Ti
X 14930	1	See	Blk		33, 181	C.H.P			
X 8367	1	120324	3.13	B2p	13h 43.6	-41 59	5193		μ Centauri
	2	120307	3.29	B2	.5	-41 11	5190		ν Centauri
X-4065	1	97534	5.15	F5p	11h 8.3	-59 46			γ Carinae
	2	97670	5.9	B3	9.2	-59 4			
	3	97398	7.0	B9	7.4	-59 46			
	6	97297	8.6	A0					
	7	97557	7.4	B5	8.4	-59 8			
	5	96248	6.8	B0	0.7	-59 19			
	4	96446	6.8	B3p	1.8	-59 24			

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