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## **Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C**

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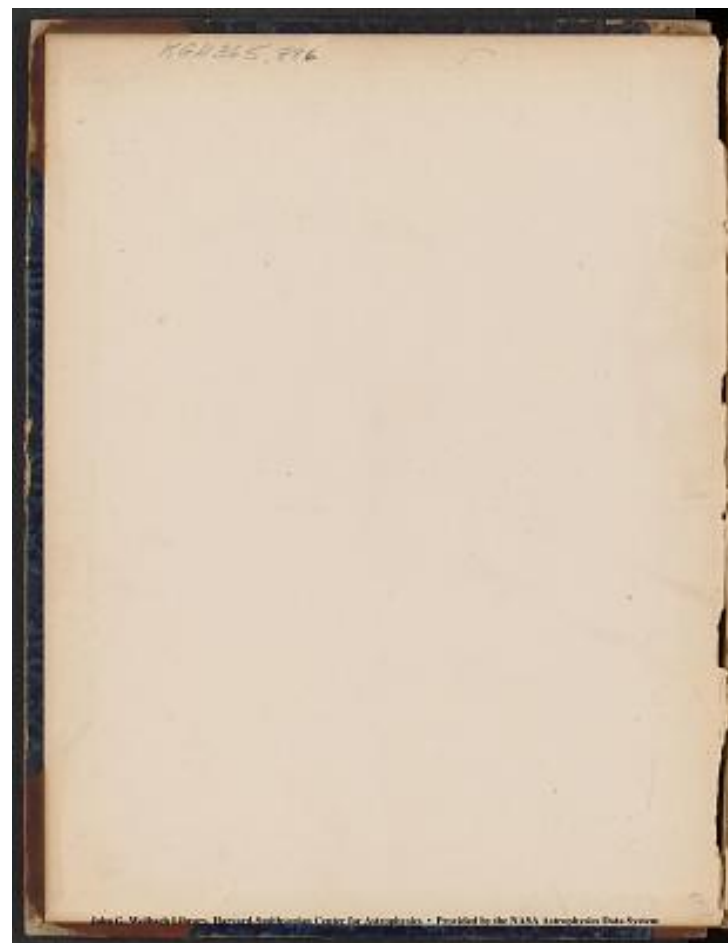
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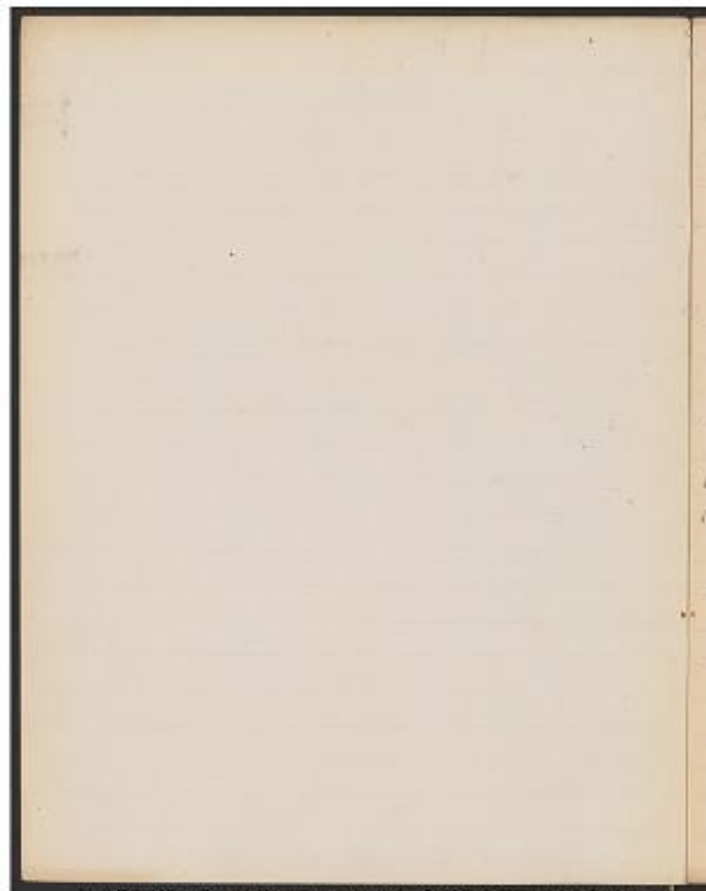
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Stars in Draper Catalogue  
Having Spectrum C.



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[[underlined]]Stars Having Spectrums 6. [[/underlined]]  
 [[4 Columned Table]]  
 No. D.C. No. Plate | No. D.C. No. Plate | No. D.C. No. Plate | No. D.C.  
 No. Plate |  
 | --- | --- | --- | --- |

10 928 | 700 1019 | 1852 295 | 2513 1011 |  
 | | | 2517<---{217 341 898 954 1057}  
 89 1564 ^[[ (1) ]]| 771 1019 | 1954 1008 | . 2529 955  
 110 928 ^[[ (2) ]]| 824 929 | 1972 1009 | 2533 955  
 118 177 | 919 882 | 2031 1009 | 2599 1014  
 181 918 | 932 848 | 2062 954 | 2611 1019  
 250 843 | 950 844 | 2087 1057 | 2623 (1014)  
 273 (196) | 1027 (877) | 2121 939 | 2701 1013  
 | | | 2131 927 |  
 348 (284) | 1077 1000 | 2139 927 | 2713 1056  
 382 (928) | 1101 161 | 2160 1011 | 2728 340  
 400 928 | 1110 929 | 2179 1011 | 2728 341  
 407 884 | 1120 848 | 2263 (877) | 2749 1014  
 407 898 | 1136 284 | 2263 (884) | 2793 (1014)  
 469 ^[[ (1) ]]| 1019 | 1205 999 | 2291 (898) | 2833 1091  
 485 ^[[ (2) ]]| (844) | 1217 844 | 2345 1035 | 2833 1091  
 497 898 | 1310 920 | 2357 1035 | 2844 (275)  
 500 (917) | 1410 933 | 2370 1119 | 2897 217  
 | | 2410 217 | |  
 | | 2410 954 | |  
 566 284 | 1548 1009 | 2495 1035 | 2912 (1014)  
 | | 2503 341 | |  
 603 930 | 1619 1008 | 2505 955 | 2953 353  
 611 196 | 1622 1008 | 2505 1011 | 2953 1229  
 | | | 2959 1057  
 675 829 | 1765 1019 | 2513 955 | 2961 307  
 677 (929) | | | |

No. D.C.	No. Plate	No. D.C.	No. Plate
10	928	700	1019
89	1564	771	1019
110	928	824	929
118	177	919	882
181	918	932	848
250	843	950	844
273	(196)	1027	(877)
348	(284)	1077	1000
382	(928)	1101	161
400	928	1110	929
407	884	1120	848
407	898	1136	284
469	1019	1205	999
485	844	1217	844
497	898	1310	920
500	(917)	1410	933
566	284	1548	1009
603	930	1619	1008
611	196	1622	1008
675	829	1765	1019
677	(929)		

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2.

[[4 columned table]]

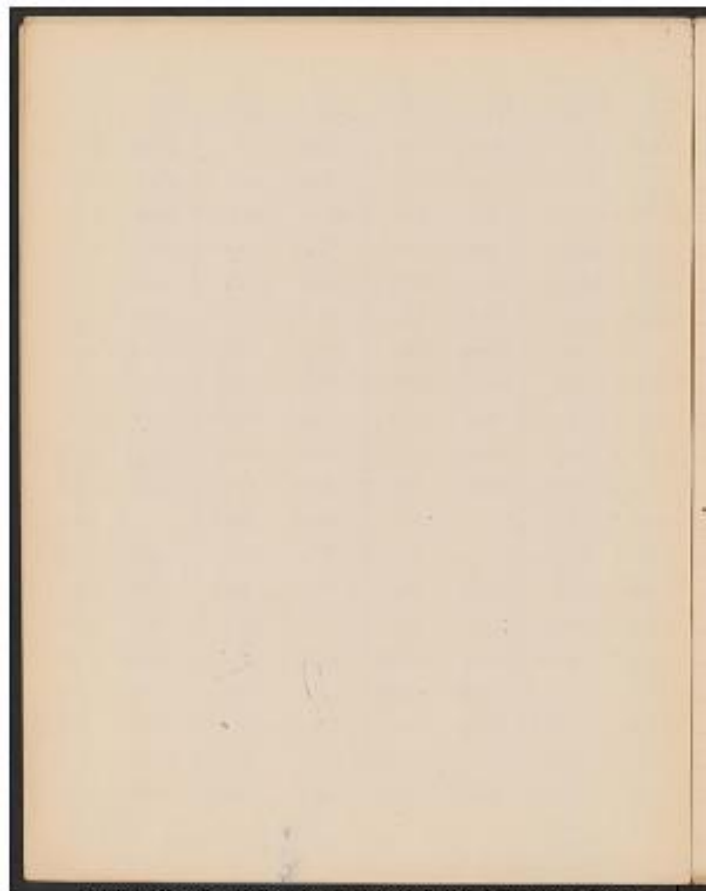
No. D.C. No. Plate. | No. D.C. No. Plate | No. D.C. No. Plate | No.  
D.C. No. Plate |  
--- | --- | --- | --- |

2976	1071	3378	1069	4120	1110	4673	(1176)
2879	1034	3404	309	4158	1064	4692	(1064)
3023	1071	3409	1025	4170	332	4698	(1157)
3051	1057	3448	300	4269	1063	4709	(1194)
3067	(1057)	3522	341	4294	353	4818	(458)
3074	1013	3613	166	4316	1064	4904	458
3074	1025	3620	341	4317	1229	4907	495
3101	1014	3625	166	4348	1172	4907	1072
3109	1071	3633	1167	4359	(1064)	5007	1072
3116	1025	3653	1071	4407	(1194)	5007	1112
		5020	113				
3127	(1057)	3663	341	4489	1074	5044	(458)
3129	1057	3363	1057	4555	1156	5044	(1073)
3180	1042	^[(2)]		3363	1112	4608	(1173)
						5062	1074
3229	341						
3258	1035	3975	1064	4625	(1173)	5082	1113
3312	341	3975	1112	4625	(1194)	5083	1233
3314	1093	3992	332	4628	(165)	5105	(1074)
3328	341	4036	1062	4628	(185)	5147	1064
3330	341	4037	1110	4628	(1119)	5147	1072
3330	1069	4091	446	4628	(1229)	5147	1112
3342	1167	[(2)]		4110	1071	4628	(1233)
						5208	1238
3365	341						
3365	1035						
3365	1069						

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3.

[[2 column table]]  
D.C. No. | Plate No.

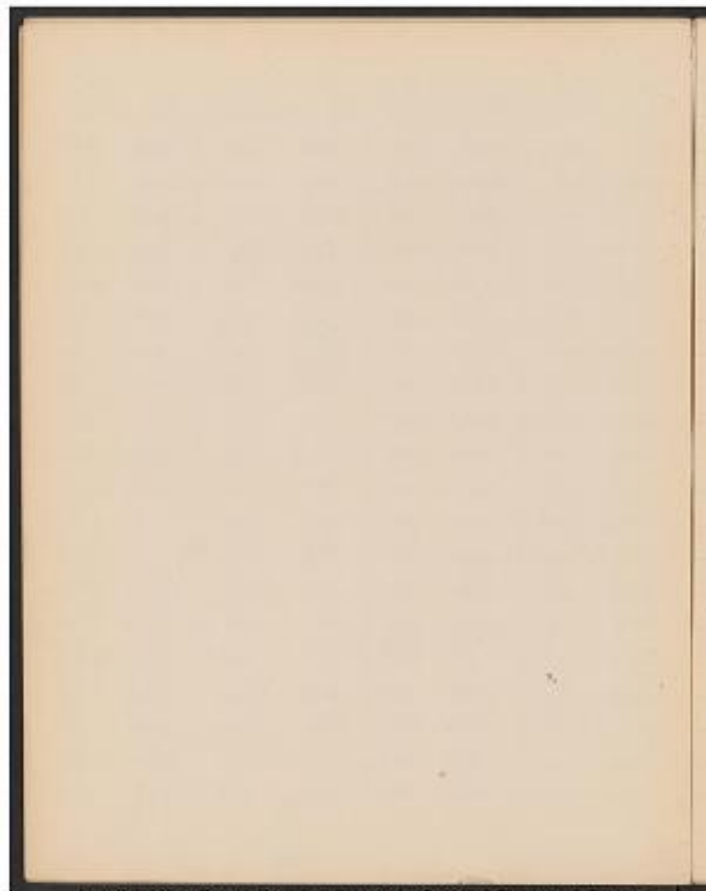
5223	449
5269	494
5288	1162
5293	1074
5300	(1233)
5301	1113
5306	1074 ^[[2]]
5338	1074
5360	(1074)
5396	1115
5397	(435)
5431	1208
5442	(1074)
5489	1255 ^[[2]]
5559	1074
5565	1074
5609	1162
5629	1208
5681	1208
5714	1074
5776	1065
5991	1208
6045	1208
6131	1077
6170	1218
6230	509
6236	1128
6254	1074
6351	(1210)
6389	1183
6410	1245
6500	1245
6590	1184
6608	1205
6627	1205
6634	1245
6634	1328
6783	1326
6810	1189
6835	1246
6859	1186
7282	560
7330	1250
7334	1333
7344	617
7398	587
7462	1343
7536	1333
7665	1347
7742	1344
7763	1347
7823	(587)
7901	(1333)
7944	1367
7958	1367
8138	1347

D.C. No.	Plate No.	D.C. No.	Plate No.	D.C. No.	Plate No.	D.C. No.	Plate No.
5223	449	5776	1065	7333	1250	8732	774
5269	494	5991	1208	7334	1333	8732	742
5288	1162	6045	1208	7344	617	9025	1601
5293	1074	6131	1077	7398	587	9171	1437
5300	(1233)	6170	1218	7462	1343	9173	1532
5301	1113	6228	509	7536	1333	9181	696
5306	1074 ^[[2]]	6254	1074	7742	1344	9223	1531
5338	1074	6259	1183	7763	1347	9225	834
5360	(1074)	6282	560	7823	(587)		
5396	1115	6351	(1210)	7901	(1333)		
5397	(435)	6389	1183				
5431	1208	6410	1245	7944	1367	9229	1602
5442	(1074)	6500	1245	7958	1367	9237	690
5489	1255 ^[[2]]	6590	1184	8138	1347		
5559	1074	6608	1205	8138	1347		
5565	1074	6627	1205	8282	560		
5609	1162	6634	1245				
5629	1208	6634	1328				
5681	1208	6783	1326				
5714	1074	6810	1189				
5776	1065	6835	1246				
5991	1208	6859	1186				
6045	1208	7282	560				
6131	1077	7330	1250				
6170	1218	7334	1333				
6230	509	7344	617				
6236	1128	7398	587				
6254	1074	7462	1343				
6351	(1210)	7536	1333				
6389	1183	7665	1347				
6410	1245	7742	1344				
6500	1245	7763	1347				
6590	1184	7823	(587)				
6608	1205	7901	(1333)				
6627	1205	7944	1367				
6634	1245	7958	1367				
6634	1328	8138	1347				
6783	1326						
6810	1189						
6835	1246						
6859	1186						
7282	560						
7330	1250						
7334	1333						
7344	617						
7398	587						
7462	1343						
7536	1333						
7665	1347						
7742	1344						
7763	1347						
7823	(587)						
7901	(1333)						
7944	1367						
7958	1367						
8138	1347						

8197	1347
8216	1377
8379	1367
8398	627
8479	696
8479	1333
8525	1622
8650	1395
8726	1567
8782	753
8782	774
8872	742
9080	1601
9171	1489
9173	1582
9181	696
9223	1581
9225	834
9225	1564
9229	1602
9237	693
9237	720
9237	1520 ^[[1]]
9253	1488
9300	1645
9302	1602
9338	787
9386	696
9388	770
9533	1675

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4.

[[2-column table]]  
D.C. No. | Plate No.

9589	639
9601	1639
9619	720
9619	795
9812	1606
9817	1586
9820	843
9839	843
9842	928
9845	196
9846	928
9858	(196)
9859	1629
9882	1586
9925	929
10030	753
10048	196
10048	<del>1564</del> 795
10068	843
10096	795
10105	929
10173	843
10216	928
10254	175
10254	893
10254	974
10254	960
10280	960
10284	1700
10286	1683
10336	186 ^ <sup>[[2]]</sup>
10346	843
10434	1641 ^ <sup>[[2]]</sup>
10454	875
10454	929
10472	(186)
10473	844
10497	196
10497	843
10497	875
10497	928

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Dec. 18 1889.

D.C.4628 = DM. + 8.2° 253 Magn. 7.0.  
Hydrogen lines double?

[4 column table]

Plate No.	Date	Class	Remark
---	---	---	---

E 165 | C | Lines double. Each of Two components appear to Equal H in intensity. (Near edge of Plate.)

E 185 | C | Lines double. Comp. of greater wavelength equals 0.4 H (Near edge of Plate.)

E 353 | A? | Lines hazy.

E 435 | C | Lines double. Each of Two components equal H

E 458 | A | Lines single. H slightly hazy |

E 495 | C | Lines double. Each of two comp. equal H.

E 1065 | C? | Lines double? |

E 1074 | A? | Lines hazy. (Near edge of Plate.)

Plate No.	Date	Class	Remark
E 165		C	Lines double. Each component appears to Equal H in intensity. (Near edge of Plate.)
E 185		C	Lines double. Comp. of greater wavelength equals 0.4 H (Near edge of Plate.)
E 353		A?	Lines hazy.
E 435		C	Lines double. Each component equal H
E 458		A	Lines single. H slightly hazy.
E 495		C	Lines double. Each of two comp. equal H.
E 1065		C?	Lines double?
E 1074		A?	Lines hazy. (Near edge of Plate.)

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Dec. 19, 1889.  
 D.C. 4628 = Dm. +82° 253 Magn. 7.0  
 Hydrogen lines double?

[[4-column table]]

Plate No. | Date | Class | Remark

--- | --- | --- | ---

E 1119	C	Lines double. Comp. of greater wavelength = 0.5H.
E 1229	C	Lines double. Each of two Comp. equal H.
E 1233	C	Lines double. Comp. of shorter wavelength = 0.4H
I 2566	A	Lines single. Hazy.
I 3113	A	Lines single. Image poor.
I 2015	A	Lines single. Hazy.
I 3133	C	Lines double. Comp. of shorter wavelength = 0.4H
I 3145	A	Lines single. Hazy towards edge of shorter wavelength.

Dec. 19, 1889. D.C. 4628 = Dm. +82° 253 Magn. 7.0  
 Hydrogen lines double?

Plate	Date	Class	Remark
E 1119		C	Lines double. Comp. of greater wavelength = 0.5H.
E 1229		C	Lines double. <sup>single lines</sup> Comp. equal H.
E 1233		C	Lines double. Comp. of shorter wavelength = 0.4H.
I 2566		A	Lines single. Hazy.
I 3113		A	Lines single. Image poor.
I 2015		A	Lines single. Hazy.
I 3133		C	Lines double. Comp. of shorter wavelength = 0.4H.
I 3145		A	Lines single. Hazy towards edge of shorter wavelength.

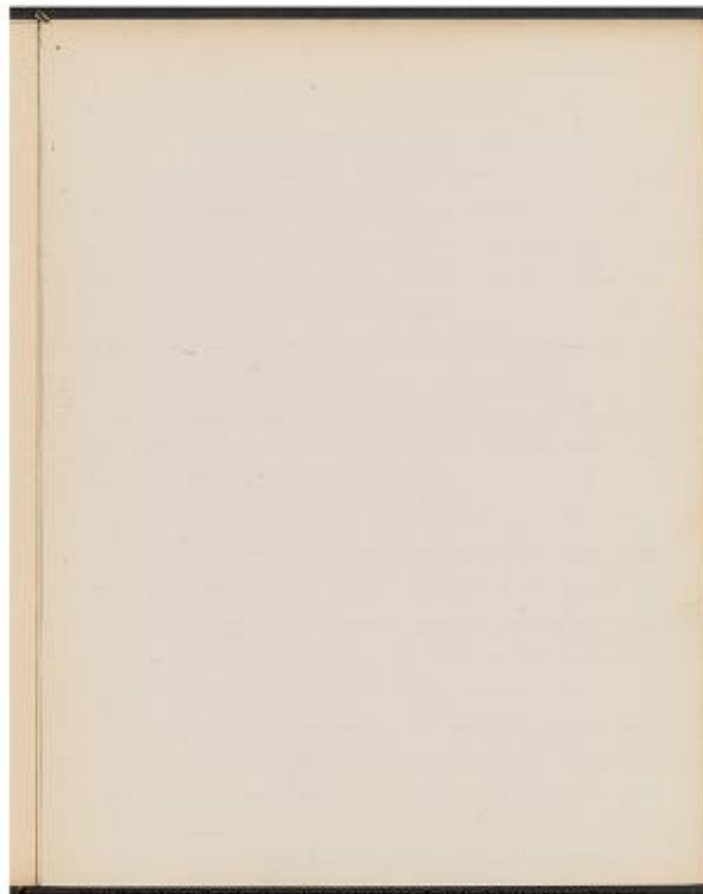
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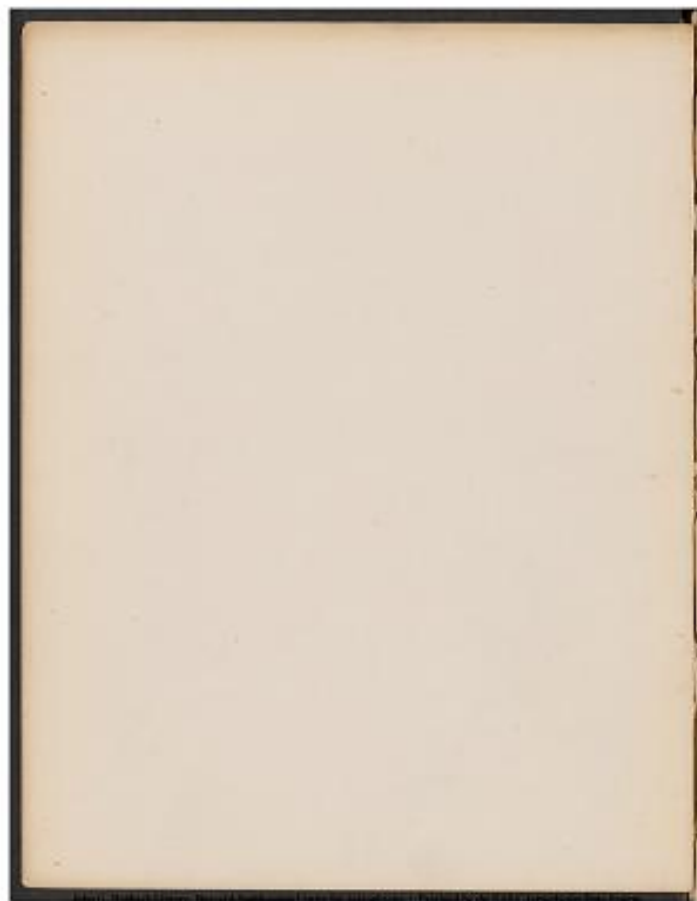
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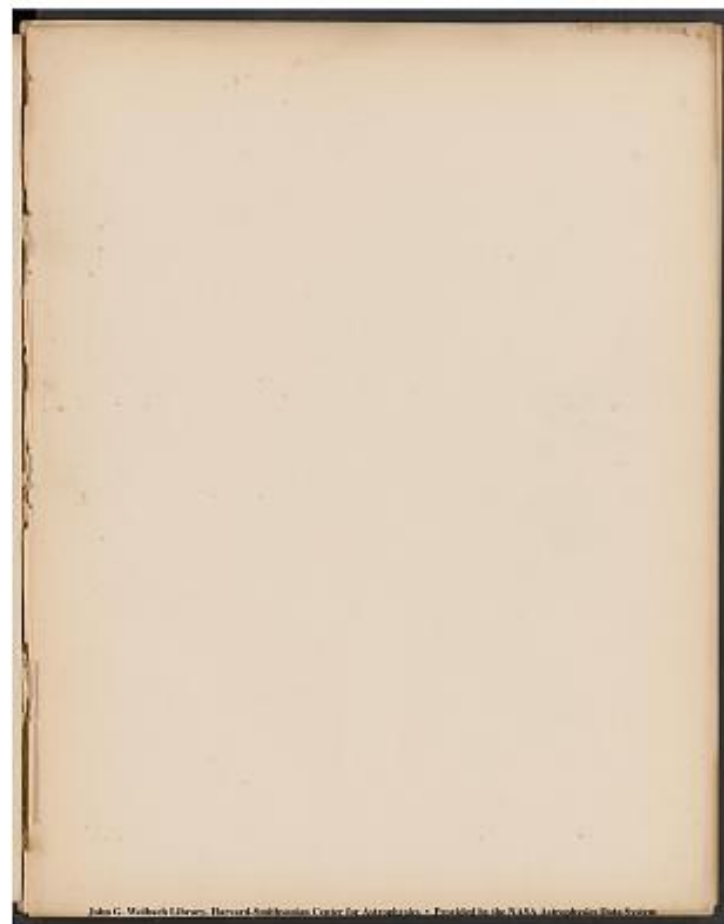
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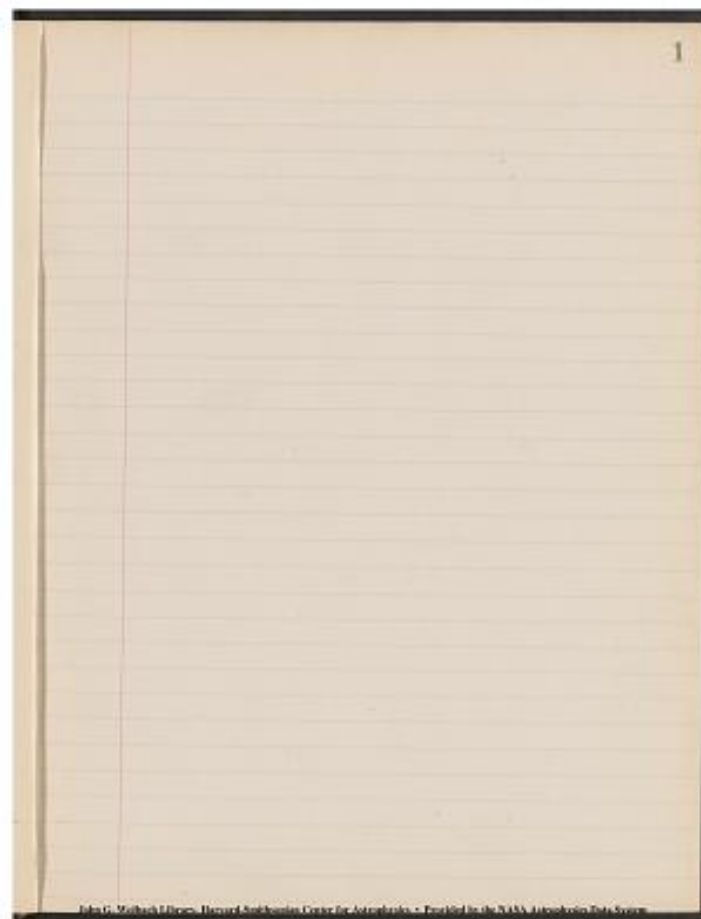
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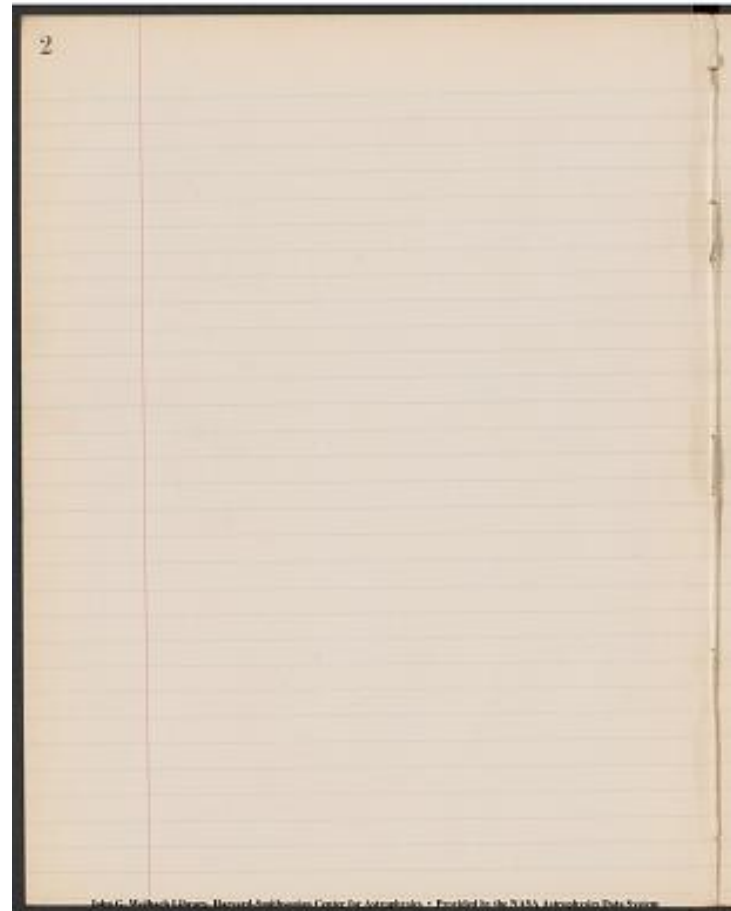
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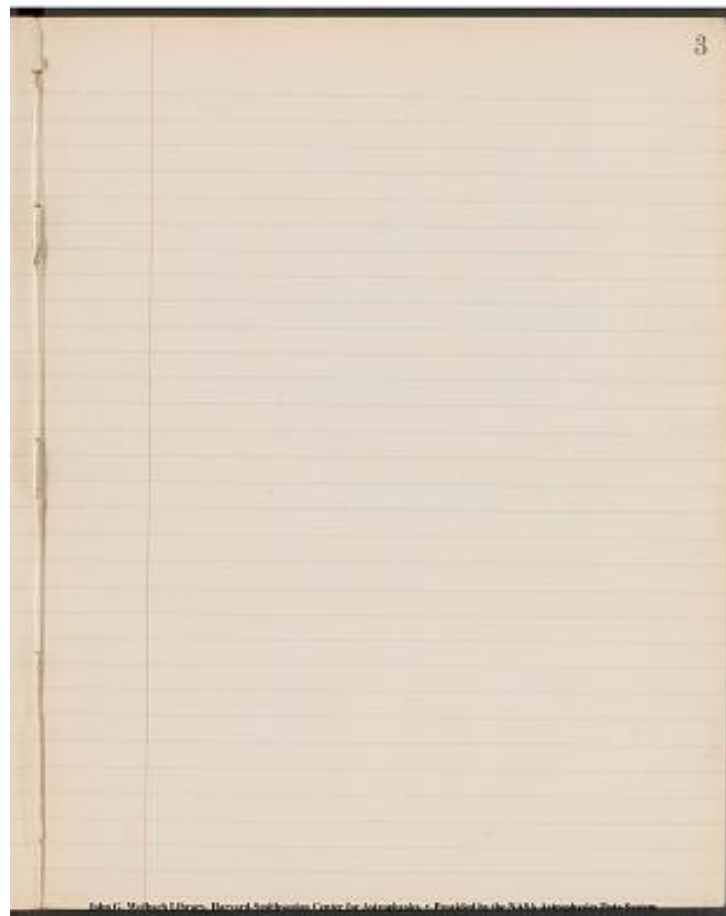
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~~[[strikethrough]]~~

[[5 columned table]]

D.C. No.	D.M. No.	H.P. No.	Design	Magn H.P.
---	---	---	---	---

| 407 | +82<sup>h</sup>[[°]] 20 | 134 | | 5.5 |

[[6 columned table]]

Plate No.	Date.	Class.	V.	H.	Obs. Br.
---	---	---	---	---	---

140	Jan. 17, 1887.	A?	20.5	15.6	•
173	Oct. 14, 1886.	A.	8.8	20.6	5.7
196	May. 21, 1886.	A.	1.6	9.9	•
258	Oct. 14, 1886.	A.	4.0	23.3	6.6
834	Jan. 15, 1887.	A	9.1	9.6	6.1
835	March, 17, 1887.	A	10.2	14.2	5.6
844	March, 26, 1887.	A.	9.4	18.7	5.7
875	March, 18, 1887.	A	9.7	12.6	5.0
879	March, 21, 1887	A	9.9	13.9	5.3
884		C.	6.9	22.7	5.8
898		C?	6.8	23.8	4.8
928		A	7.9	10.0	4.8
929		A	8.8	14.6	4.7
1019		A	8.0	18.7	5.0
1521		A	6.1	5.7	5.3
1564		A.	8.4	10.2	5.2

~~[[/strikethrough]]~~

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Plate No.	Date.	Class.	V.	H.	Obs. Br.
140	Jan. 17, 1887.	A?	20.5	15.6	•
173	Oct. 14, 1886.	A.	8.8	20.6	5.7
196	May. 21, 1886.	A.	1.6	9.9	•
258	Oct. 14, 1886.	A.	4.0	23.3	6.6
834	Jan. 15, 1887.	A	9.1	9.6	6.1
835	March, 17, 1887.	A	10.2	14.2	5.6
844	March, 26, 1887.	A.	9.4	18.7	5.7
875	March, 18, 1887.	A	9.7	12.6	5.0
879	March, 21, 1887	A	9.9	13.9	5.3
884		C.	6.9	22.7	5.8
898		C?	6.8	23.8	4.8
928		A	7.9	10.0	4.8
929		A	8.8	14.6	4.7
1019		A	8.0	18.7	5.0
1521		A	6.1	5.7	5.3
1564		A.	8.4	10.2	5.2

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Jan 1, 1890

[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design | H.P. Magn. |

2263 | +80° | 125 | 650 | 52 |

[[6 column table]]

No. Plate. | Date. | Class. | V. | H. | Obs. Br. |

161 | Dec. 2, 1885. | F. | 3.6 | 8.7 | 5.9 |  
 173 | Dec. 3, 1885. | F. | 12.5 | 7.1 | 6.3 |  
 217 | Dec. 16, 1885. | A. | 1.9 | 15.9 | • |  
 258 | Jan. 7, 1886. | A. | 12.3 | 12.0 | 5.9 |  
 275 | Jan. 10, 1886. | F. | 13.9 | 19.4 | 6.0 |  
 341 | Jan 26, 1886. | F. | 3.0 | 21.9 | 5.5 |  
 877 | Nov. 26, 1886. | (C) | 4.4 | 8.0 | 5.7 |  
 884 | Nov. 27, 1886. | (C) | 15.1 | 11.6 | 6.1 |  
 898 | Dec. 2, 1886. | F. | 15.0 | 12.7 | 4.9 |  
 939 | Dec. 16, 1886. | F? | 3.3 | 9.0 | 5.2 |  
 954 | Dec. 20, 1887. | F. | 4.3 | 15.6 | 4.8 |  
 1019 | Jan. 11, 1887. | F. | 11.8 | 5.4 | 5.3 |  
 1057 | Feb. 9, 1887. | F. | 13.6 | 19.9 | 5.2 |  
 1069 | Feb. 12, 1887. | A? | 3.1 | 22.3 | 5.3 |

5

*Jan 1, 1890*

*No. D.C. No. D.M. No. H.P. Design H.P. Magn.*

*2263 +80° 125 650 52*

No. Plate.	Date.	Class.	V.	H.	Obs. Br.
161	Dec. 2, 1885.	F.	3.6	8.7	5.9
173	Dec. 3, 1885.	F.	12.5	7.1	6.3
217	Dec. 16, 1885.	A.	1.9	15.9	•
258	Jan. 7, 1886.	A.	12.3	12.0	5.9
275	Jan. 10, 1886.	F.	13.9	19.4	6.0
341	Jan. 26, 1886.	F.	3.0	21.9	<u>5.5</u>
877	Nov. 26, 1886.	(C)	4.4	8.0	5.7
884	Nov. 27, 1886.	(C)	15.1	11.6	6.1
898	Dec. 2, 1886.	F.	15.0	12.7	4.9
939	Dec. 16, 1886.	F?	3.3	9.0	5.2
954	Dec. 20, 1887.	F.	4.3	15.6	4.8
1019	Jan. 11, 1887.	F.	11.8	5.4	<u>5.3</u>
1057	Feb. 9, 1887.	F.	13.6	19.9	5.2
1069	Feb. 12, 1887.	A?	3.1	22.3	5.3

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[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design | H.P. Magn

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407 | +82° 20 | 134 | | 5.5

[[6 column table]]

No. Plate | Date. | Class. | V. | H. | Obs.Br.

--- | --- | --- | --- | --- | ---

140 | Nov. 27, 1885. | A? | 20.5 | 15.6 | .

173 | Dec. 3, 1885. | A. | 8.8 | 20.6 | 5.7

196 | Dec. 12, 1885. | A. | 1.6 | 9.9 | .

258 | Jan. 7, 1886. | A | 4.0 | 23.3 | 6.6

834 | Nov. 5, 1886. | A. | 9.1 | 9.6 | 6.1

835 | Nov. 5, 1886. | A. | 10.2 | 14.2 | 5.6

844 | Nov. 8, 1886. | A. | 9.4 | 18.7 | 5.7

875 | Nov. 26, 1886. | A. | 9.7 | 12.6 | 5.0

879 | Nov. 27, 1886. | A. | 9.9 | 13.9 | 5.3

884 | Nov. 27, 1886. | C. | 6.9 | 22.7 | 5.8

898 | Dec. 2, 1886. | C? | 6.8 | 23.8 | 4.8

928 | Dec. 14, 1886. | A | 7.9 | 10.0 | 4.8

929 | Dec. 14, 1886. | A | 8.8 | 14.6 | 4.7

1019 | Jan. 11, 1887. | A | 8.0 | 18.7 | 5.0

1521 | July, 13, 1887. | A | 6.1 | 5.7 | 5.3

1564 | Aug. 7, 1887. | A. | 8.4 | 10.2 | 5.2

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6

20.5 20.6 20.7 20.8 20.9 21.0

407 +82° 20 134 5.5

No. Plate	Date	Class.	V.	H.	Obs.Br.
140	Nov. 27, 1885.	A?	20.5	15.6	.
173	Dec. 3, 1885.	A.	8.8	20.6	5.7
196	Dec. 12, 1885.	A.	1.6	9.9	.
258	Jan. 7, 1886.	A	4.0	23.3	<u>6.6</u>
834	Nov. 5, 1886.	A.	9.1	9.6	6.1
835	Nov. 5, 1886.	A.	10.2	14.2	5.6
844	Nov. 8, 1886.	A.	9.4	18.7	5.7
875	Nov. 26, 1886.	A.	9.7	12.6	5.0
879	Nov. 27, 1886.	A.	9.9	13.9	5.3
884	Nov. 27, 1886.	C.	6.9	22.7	5.8
898	Dec. 2, 1886.	C?	6.8	23.8	<u>4.8</u>
928	Dec. 14, 1886.	A	7.9	10.0	4.8
929	Dec. 14, 1886.	A	8.8	14.6	4.7
1019	Jan. 11, 1887.	A	8.0	18.7	5.0
1521	July, 13, 1887.	A	6.1	5.7	5.3
1564	Aug. 7, 1887.	A.	8.4	10.2	5.2

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7

[[5 column table]]

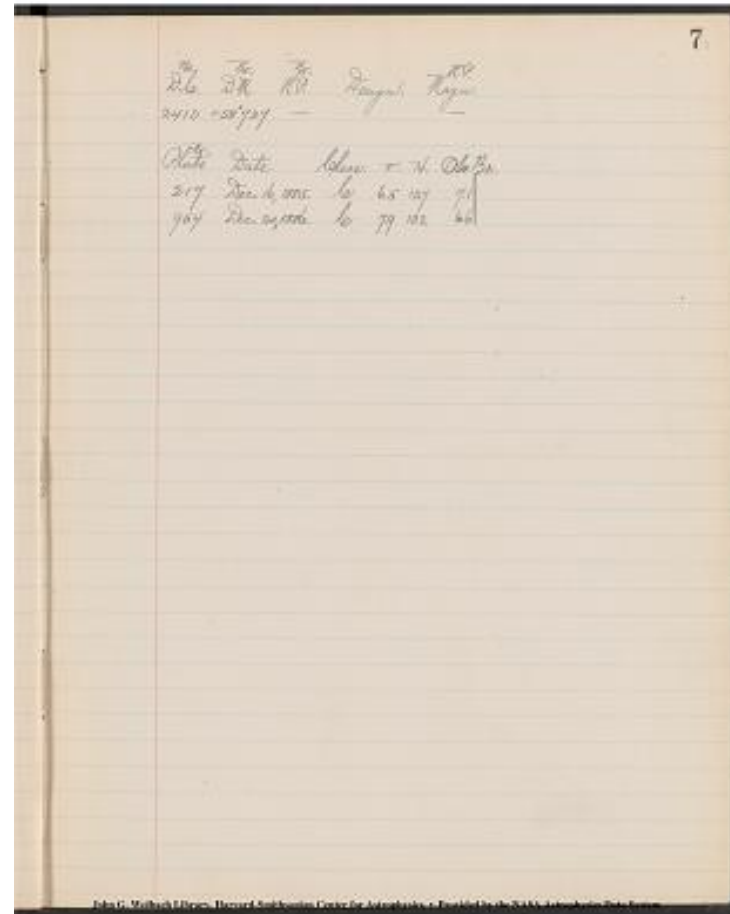
D.C. No.	D.M. No.	H.P. No.	Design	H.P. Magn.
2410	+58°727	-	-	-

2410 | +58°727 | - | - |

[[6 column table]]

Plate No.	Date.	Class.	V.	H.	Obs. Br.
217	Dec. 16, 1885.	C	6.5	13.7	7.1
954	Dec. 20, 1886.	C	7.9	13.2	6.6

217	Dec. 16, 1885.	C	6.5	13.7	7.1
954	Dec. 20, 1886.	C	7.9	13.2	6.6



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[[5 column table]]

No. D.C. | No. D.M. | No. H.P | Design | H.P. Magn. |

--- | --- | --- | --- | --- |

2505 | +22<sup>h</sup> | 696 | 764 |  $\epsilon$  Tauri | 4.6 |

[[6 column table]]

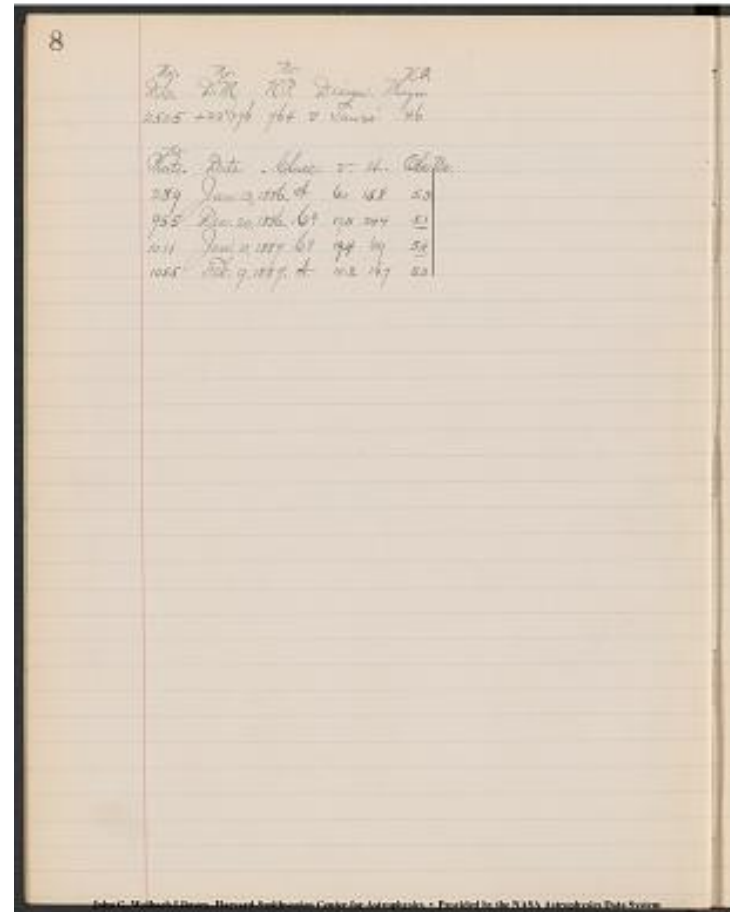
No. Plate. | Date. | Class. | V. | H. | Obs. Br. |

--- | --- | --- | --- | --- | --- |

289 | Jan. 12, 1886. | A. | 6.1 | 15.8 | 5.3 |

955 | Dec. 20, 1886. | C? | 19.5 | 24.4 | 5.1 |1011 | Jan. 10, 1887. | C? | 19.4 | 6.9 | 5.4 |

1055 | Feb. 9, 1887. | A. | 10.2 | 16.7 | 5.3 |



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C

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[[5-column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn. |

--- | --- | --- | --- | --- |

2517 | +72<sup>h</sup>[[°]] 227 | 767 | | 6.0 |

[[6-column table]]

Plate No. | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | --- |

217 | Dec. 16, 1885. | C. | 17.8 | 12.4 | 7.0 |

275 | Jan. 10, 1886. | A | 10.5 | 18.6 | 6.5 |

341 | Jan. 26, 1886. | C. | 19.3 | 23.4 | 6.7 |898 | Dec. 2, 1886. | C | 10.2 | 6.2 | 6.0 |

954 | Dec. 20, 1886. | C | 20.1 | 11.9 | 5.9 |

1057 | Feb. 9, 1887. | C | 10.1 | 19.8 | 5.6 |

1899 | Nov. 18, 1887. | C | 20.5 | 11.5 | 5.5 |

3143 | Nov. 11, 1888. | A | 10.8 | 17.9 | 4.5 |

Plate No.	Date.	Class.	V.	H.	Obs. Br.
217	Dec. 16, 1885.	C.	17.8	12.4	7.0
275	Jan. 10, 1886.	A	10.5	18.6	6.5
341	Jan. 26, 1886.	C.	19.3	23.4	<u>6.7</u>
898	Dec. 2, 1886.	C	10.2	6.2	<u>6.0</u>
954	Dec. 20, 1886.	C	20.1	11.9	5.9
1057	Feb. 9, 1887.	C	10.1	19.8	5.6
1899	Nov. 18, 1887.	C	20.5	11.5	5.5
3143	Nov. 11, 1888.	A	10.8	17.9	4.5

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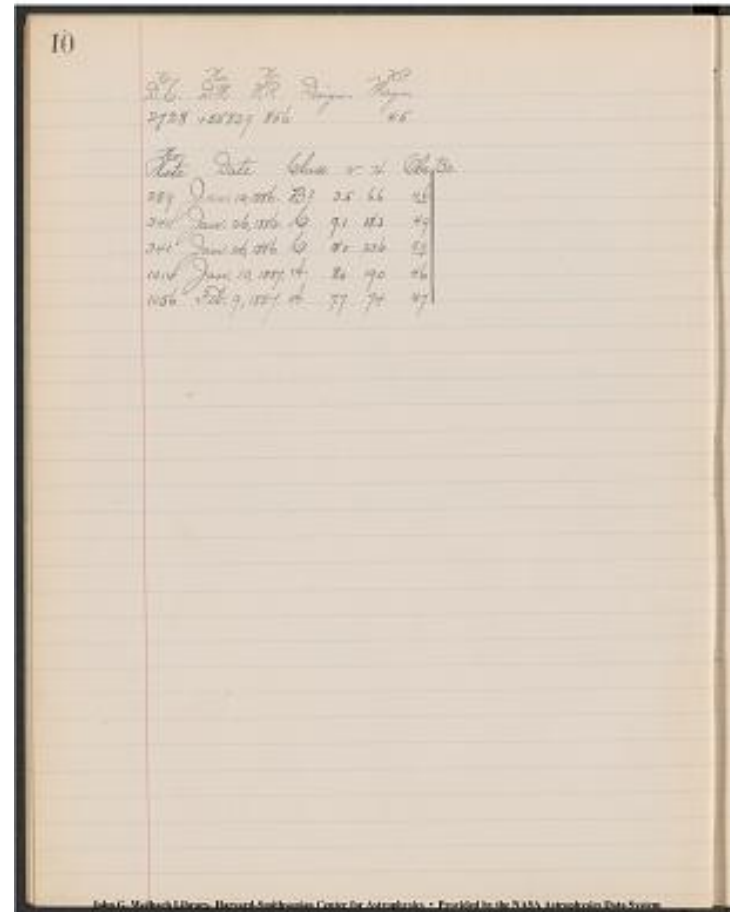
[No. D.C|No. D.M.|No. H.P.|Design.|H.P. Magn.]

2728	+53 <sup>h</sup>	829	856	4.5
------	------------------	-----	-----	-----

[[6 columned table]]

[No. Plate|Date|Class.|V.|H.|Obs.Br.]

289	Jan. 12, 1886.	B?	3.5	6.6	<u>4.6</u>
340	Jan. 26, 1886.	C	9.1	18.3	4.9
341	Jan. 26, 1886.	C	18.0	23.6	<u>5.9</u>
1014	Jan. 10, 1887.	A	8.0	19.0	4.6
1056	Feb. 9, 1887.	A	7.7	7.4	4.7



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[[5-column table]]

|No. D.C.|No. D.M.|No. H.P.|Design.|H.P. Magn.|

|---|---|---|---|

|2833|+41°1058|896|Eta Aurigae|3.3|

[[6-column table]]

|No. Plate|Date|Class.|V.|H.|Obs. Br.|

|---|---|---|---|---|

|192|Dec. 11, 1885.|A.|4.6|8.5|4.0|

|298|Jan. 13, 1886.|A.|18.5|22.4|B|

|340|Jan. 26, 1886.|B.|14.1|15.4|4.2|

|956^|[[1]]|Dec. 20, 1886.|A|22.4|8.1|[[B]]||956^|[[2]]|Dec. 20, 1886.|A|2.8|8.2|[[B]]|

|1013|Jan. 10, 1887.|A.|13.0|16.3|B|

|1014|Jan. 10, 1887.|A.|13.2|16.3|4.0|

|1091^|[[1]]|Feb. 14, 1887.|C?|22.2|24.2|[[4.5]]||1091^|[[2]]|Feb. 14, 1887.|C?|2.6|24.3|[[4.2]]|

11

No. D.C. No. D.M. No. H.P. Design H.P. Magn.

2833 +41° 1058 896 Eta Aurigae 3.3

No. Plate Date Class V H Obs. Br.

192 Dec. 11, 1885. A. 4.6 8.5 4.0

298 Jan. 13, 1886. A. 18.5 22.4 B

340 Jan. 26, 1886. B. 14.1 15.4 4.2

956^ [[1]] Dec. 20, 1886. A 22.4 8.1 [B]

956^ [[2]] Dec. 20, 1886. A 2.8 8.2 [B]

1013 Jan. 10, 1887. A. 13.0 16.3 B

1014 Jan. 10, 1887. A. 13.2 16.3 4.0

1091^ [[1]] Feb. 14, 1887. C? 22.2 24.2 [4.5]

1091^ [[2]] Feb. 14, 1887. C? 2.6 24.3 [4.2]

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[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

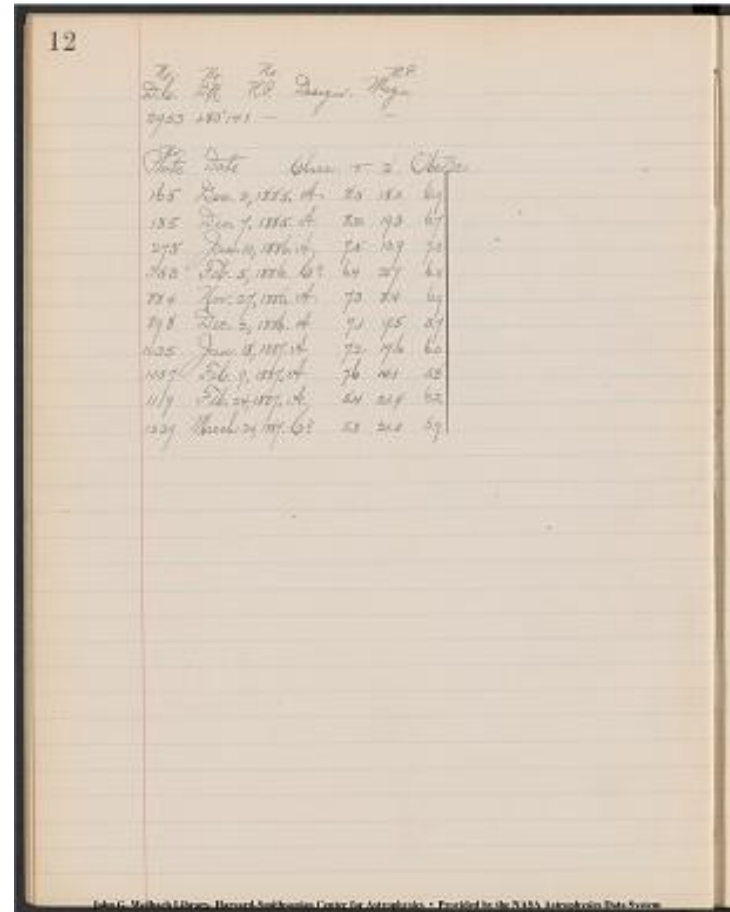
2953 | +83<sup>h</sup> | 141 | | |

[[6 column table]]

Plate No | Date | Class. | V. | H. | Obs Br.

--- | --- | --- | --- | --- | ---

165	Dec. 2, 1885.	A.	8.5	18.0	6.9
185	Dec. 7, 1885.	A.	8.2	19.3	6.7
275	Jan. 10, 1886.	A.	7.5	13.9	7.0
353	Feb. 5, 1886.	C?	6.4	21.7	6.0
884	Nov. 27, 1886.	A.	7.3	8.4	6.9
898	Dec. 2, 1886.	A	7.1	9.5	5.7
1035	Jan. 18, 1887.	A	7.2	17.6	6.0
1057	Feb. 9, 1887.	A	7.6	14.1	5.8
1119	Feb. 24, 1887.	A.	5.4	21.4	6.2
1229	March 24, 1887.	C?	5.8	21.0	5.9



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13

[[5 columned table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

3074 | +25<sup>h</sup> 839 | 992 | | 5.4

[[6 columned table]]

No. Plate | Date. | Class. | V. | H. | Obr. Br.

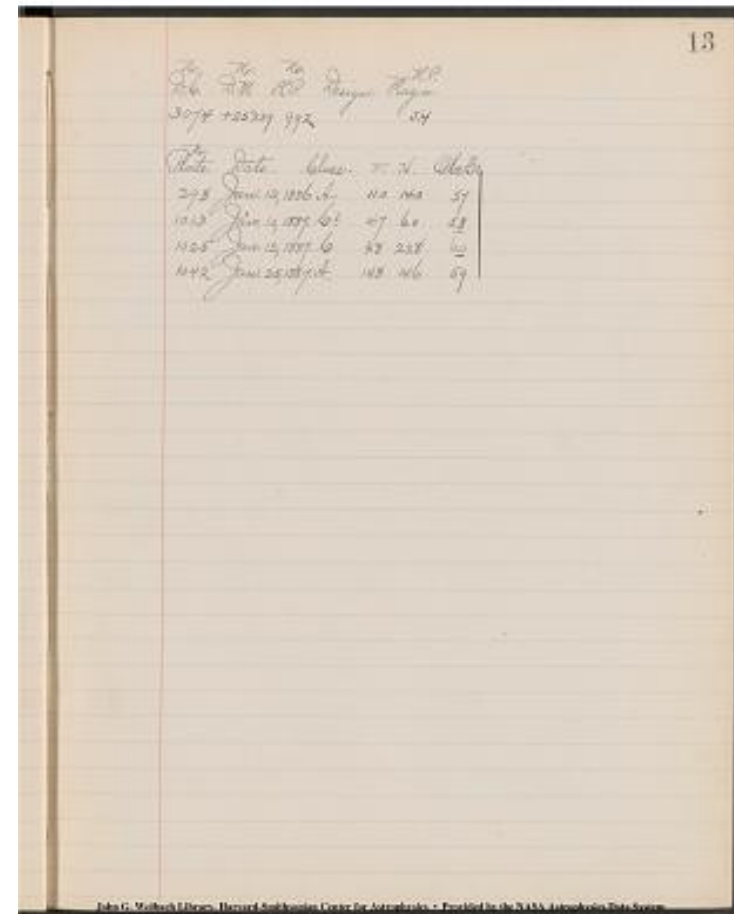
--- | --- | --- | --- | --- | ---

298 | Jan. 13, 1886 | A | 11.0 | 14.0 | 5.7

1013 | Jan. 10, 1887. | C? | 4.7 | 6.0 | 5.8

1025 | Jan. 12, 1887. | C | 4.8 | 23.8 | 6.0

1042 | Jan. 25, 1887. | A. | 14.8 | 14.6 | 5.9



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14

[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

3330 | 55<sup>A</sup> | 1027 | 1079 | 5.0

[[6-column table]]

No. Plate. | Date | Class. | V. | H. | Obs Br.

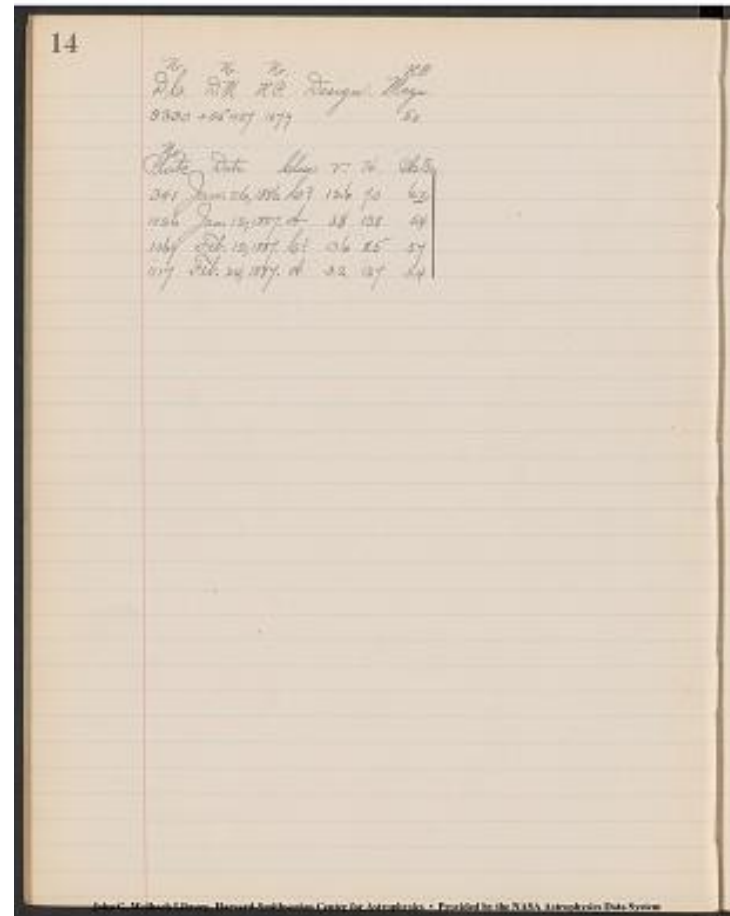
--- | --- | --- | --- | --- | ---

341 | Jan. 26, 1886. | C? | 13.6 | 7.0 | 6.2

1026 | Jan. 12, 1887. | A | 3.8 | 13.8 | 5.4

1069 | Feb. 12, 1887. | C? | 13.6 | 8.5 | 5.7

1117 | Feb. 24, 1887. | A. | 3.2 | 13.7 | 5.4



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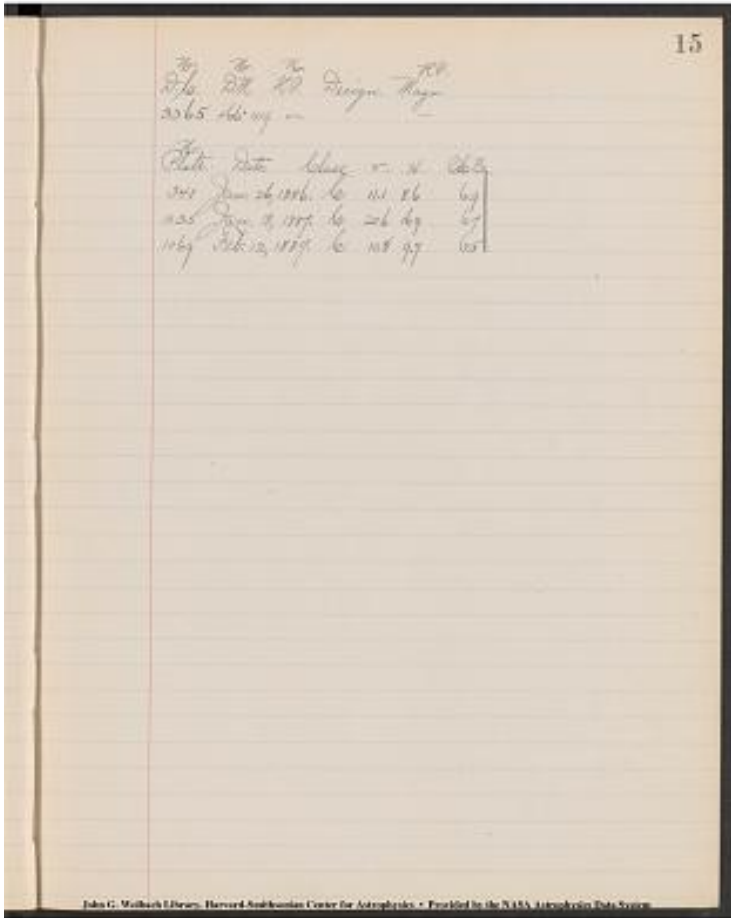
[[[5 Columned Table]]

No. D.C.	No. D.M.	No. H.P.	Design.	H.P. Magn.
---	---	---	---	---
3365	+66 <sup>h</sup> 41 <sup>m</sup> 41 <sup>s</sup>	--		--

[[6 Columned Table]]

No. Plate.	Date	Class	V.	H.	Obs. Br.
---	---	---	---	---	---

341	Jan. 26, 1886.	C	11.1	8.6	6.9
1035	Jan. 18, 1887.	C	20.6	16.9	6.7
1069	Feb. 12, 1887.	C	10.8	9.7	6.5



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[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

3663 | +79<sup>h</sup>[[°]]208 | 1209 | | 6.3

[[6 column table]]

No. Plate | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---

165	Dec. 2, 1885.	A	16.0	12.6	6.9
166	Dec. 2, 1885.	A	6.0	18.0	6.8
185	Dec. 7, 1885	A	16.5	14.7	6.6
275	Jan. 10, 1886.	A	13.4	6.6	<u>7.0</u>
341	Jan. 26, 1886.	C	5.0	9.2	6.3
353	Feb. 5, 1886	A	15.6	19.9	5.8
446	April 2, 1886.	A	4.0	22.9	6.0
1035	Jan. 18, 1887.	A	15.4	12.9	6.0
1057	Feb. 9, 1887.	C	14.0	7.2	6.0
1064	Feb. 9, 1887.	A	3.8	23.3	<u>5.8</u>
1069	Feb. 12, 1887.	A	5.3	9.7	6.0
1071	Feb. 12, 1887.	A	5.9	16.7	6.0
1072	Feb. 12, 1887.	A	3.7	23.6	<u>6.3</u>
1112	Feb. 19, 1887.	C	3.6	23.5	<u>6.2</u>
1119	Feb. 24, 1887.	A	14.7	19.8	6.3
1229	March, 24, 1887.	A	15.1	19.5	6.5

16

No. D.C. No. D.M. No. H.P. Design. H.P. Magn.  
 3663 +79<sup>h</sup>208 1209 6.3

No.	Date	Class	R.A.	Dec.	Magn.
165	Dec. 2, 1885.	A	16.0	12.6	6.9
166	Dec. 2, 1885.	A	6.0	18.0	6.8
185	Dec. 7, 1885	A	16.5	14.7	6.6
275	Jan. 10, 1886.	A	13.4	6.6	<u>7.0</u>
341	Jan. 26, 1886.	C	5.0	9.2	6.3
353	Feb. 5, 1886	A	15.6	19.9	5.8
446	April 2, 1886.	A	4.0	22.9	6.0
1035	Jan. 18, 1887.	A	15.4	12.9	6.0
1057	Feb. 9, 1887.	C	14.0	7.2	6.0
1064	Feb. 9, 1887.	A	3.8	23.3	<u>5.8</u>
1069	Feb. 12, 1887.	A	5.3	9.7	6.0
1071	Feb. 12, 1887.	A	5.9	16.7	6.0
1072	Feb. 12, 1887.	A	3.7	23.6	<u>6.3</u>
1112	Feb. 19, 1887.	C	3.6	23.5	<u>6.2</u>
1119	Feb. 24, 1887.	A	14.7	19.8	6.3
1229	March 24, 1887.	A	15.1	19.5	6.5

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[[5 columns]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

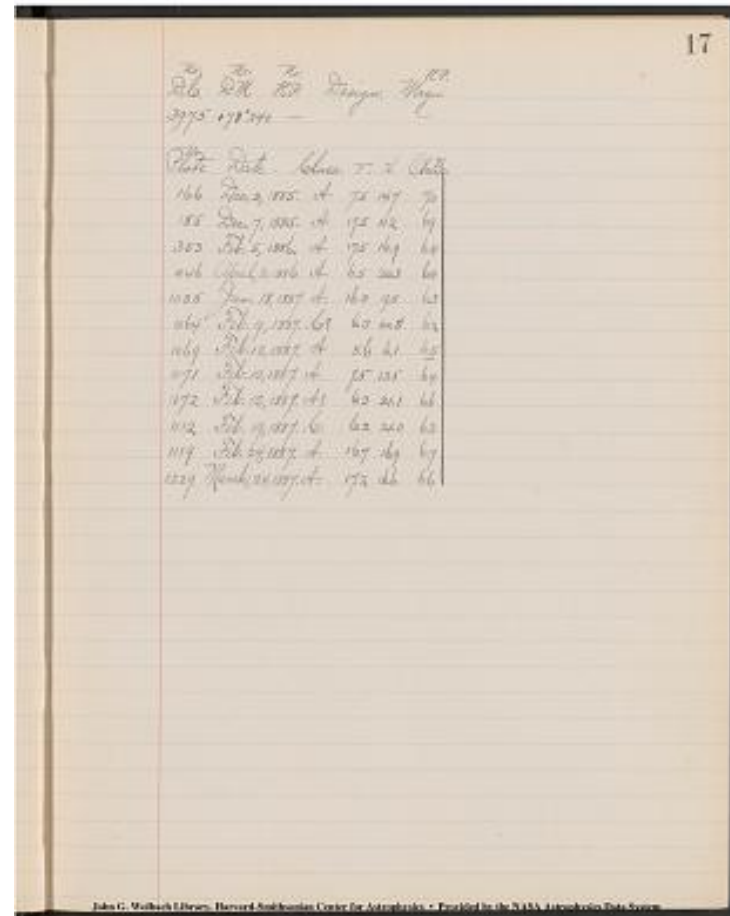
3975 | +78° 240 | ~ | | |

[[6-column table]]

No. Plate | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---

166	Dec. 2, 1885.	A	7.5	14.7	7.0
185	Dec. 7, 1885.	A	17.5	11.2	6.9
353	Feb. 5, 1886.	A	17.5	16.9	6.4
446	April, 2, 1886.	A	6.5	20.3	6.4
1035	Jan. 18, 1887	A.	16.3	9.5	6.3
1064	Feb. 9, 1887.	C?	6.3	20.8	6.2
1069	Feb. 12, 1887.	A	5.6	6.1	<u>6.5</u>
1071	Feb. 12, 1887.	A.	7.5	13.5	6.4
1072	Feb. 12, 1887.	A?	6.3	21.1	6.6
1112	Feb. 19, 1887.	C	6.2	21.0	6.3
1119	Feb. 24, 1887.	A.	16.7	16.9	6.7
1229	March, 24, 1887.	A.	17.2	16.6	6.6



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[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn

--- | --- | --- | --- | ---

4625 | +47<sup>h</sup>[[°]]1592. | -- | --

[[6-column table]]

No. Plate | Date | class | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---

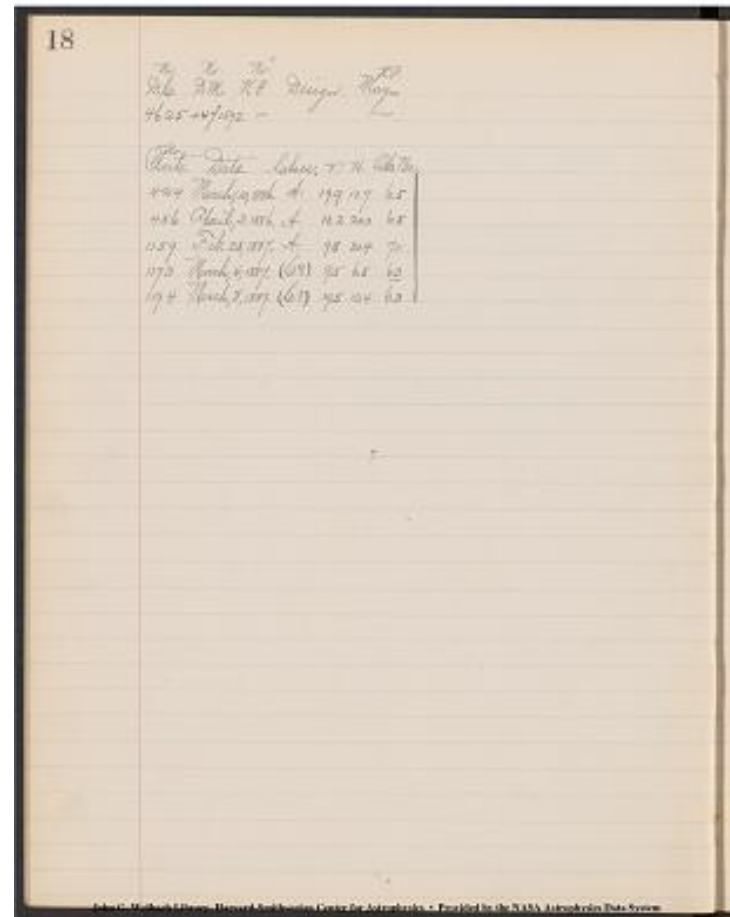
424 | March, 10, 1886. | A. | 19.9 | 10.7 | 6.5

456 | April, 3, 1886. | A. | 10.2 | 20.0 | 6.5

1159 | Feb. 28, 1887. | A. | 9.8 | 20.4 | 7.0

1173 | March, 4, 1887. | (C?) | 9.5 | 6.5 | 6.3

1194 | March, 8, 1887. | (C?) | 19.5 | 12.4 | 6.3



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C

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[[5 columned table]]

No. D.C.	No. D.M.	No. H.P.	Design.	H.P. Magn.
---	---	---	---	---
4628	+82 <sup>h</sup> [ <sup>m</sup> ]	253	--	--

[[8 columned table]]

Plate No.	Date.	Class.	V.	H.	Obs. Br.	2nd Ex.	
---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---

[[Class]] | [[Remarks]]

| 165 | Dec. 2, 1885. | (C) | 6.9 | 6.5 | 6.9 | C. | Lines double. Each of two components appears to equal H in intensity (Near edge of Plate) |

| 185 | Dec. 7, 1885. | (C) | 7.8 | 7.8 | 6.9 | C. | Lines double. Comp. of greater wave length equals 0.4 H. (Near edge of Plate.) |

| 353 | Feb. 5, 1886. | A. | 9.5 | 10.6 | 5.6 | A? | Lines hazy. |

| 435 | March 17, 1886. | A | 8.9 | 20.2 | 5.5 | C. | Lines double. Each of two components equals H. |

| 458 | April 3, 1886. | A | 10.1 | 16.0 | 5.9 | A. | Lines single. H slightly hazy. |

| 495 | April, 22, 1886. | A. | 9.0 | 20.3 | 6.0 | C. | Lines double. Each of two components equals H |

| 1065 | Feb. 9, 1887. | A | 8.9 | 19.4 | 5.5 | C? | Lines double? |

| 1074 | Feb. 12, 1887. | A | 7.7 | 22.9 | 5.6 | A? | Lines hazy. (Near edge of Plate.) |

| 1119 | Feb. 24, 1887. | (C) | 9.0 | 10.5 | 6.4 | C | Lines double. Comp. of greater wave-length = 0.5 H. |

| 1229 | March, 24, 1887. | (C) | 9.4 | 10.1 | 6.0 | C. | Lines double. Each of two Comp. equals H |

| 1233 | March, 24, 1887. | (C.) | 8.3 | 20.2 | 5.7 | C. | Lines double. Comp. of shorter wave-length = 0.4 H. |

| 2015 | Dec. 6, 1887. | | | | A | Lines single. Hazy. |

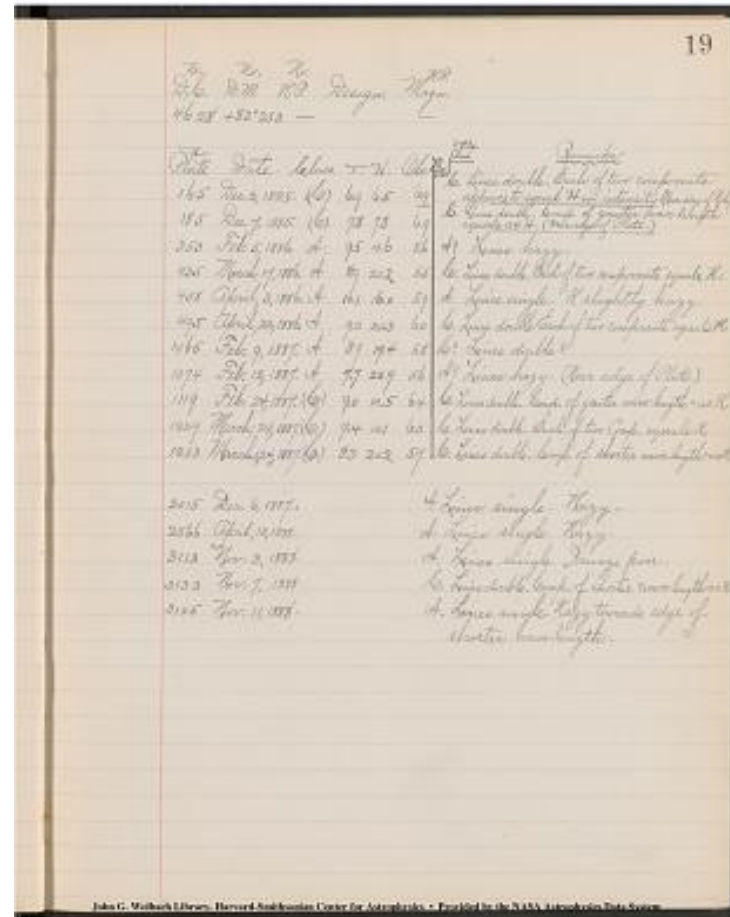
| 2566 | April, 13, 1888. | | | | A. | Lines single. Hazy |

| 3113 | Nov. 3, 1888. | | | | A | Lines single. Image poor. |

| 3133 | Nov. 7, 1888. | | | | C. | Lines double. Comp. of shorter wave-length 0.4H. |

| 3145 | Nov. 11, 1888. | | | | A. | Lines single. Hazy towards edge of shorter wave-length. |

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 • Provided by the NASA Astrophysics Data System



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[[5 columned table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

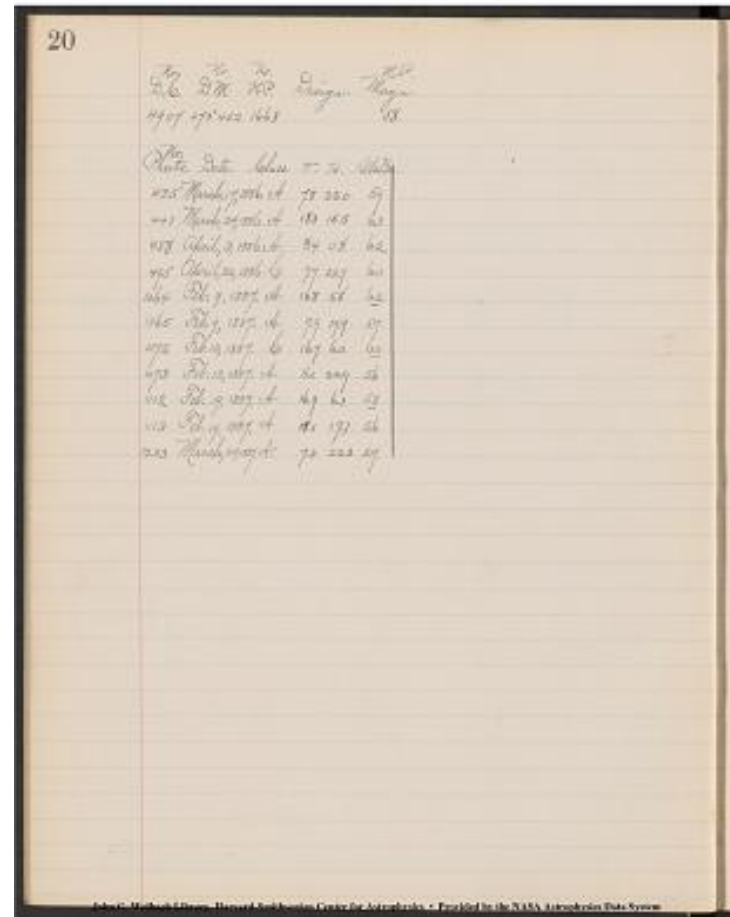
4907 | +73<sup>h</sup> | 452. | 1668 | 5.8

[[6 columned table]]

No. Plate. | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---

435	March, 17, 1886.	A	7.8	22.0	5.9
441	March, 24, 1886.	A	18.3	15.5	6.3
458	April, 3, 1886.	A	8.4	11.8	6.2
495	April, 22, 1886.	C	7.7	22.7	6.0
1064	Feb. 9, 1887.	A	16.8	5.8	<u>6.2</u>
1065	Feb. 9, 1887.	A	7.9	19.9	5.7
1072	Feb. 12, 1887.	C	16.7	6.0	<u>6.0</u>
1073	Feb. 12, 1887.	A	5.0	22.9	5.6
1112	Feb. 19, 1887.	A	16.9	6.1	<u>5.8</u>
1113	Feb. 19, 1887.	A	18.1	17.1	5.6
1233	March, 24, 1887.	A:	7.0	22.3	5.7



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C  
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[[5 columned table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

5007 | +75<sup>^</sup>[[°]]377 | 1689 | | 6.4

[[6 columned table]]

No. Plate | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---

435 | March 17, 1886. | A | 3.8 | 19.6 | 5.9

441 | March 24, 1886. | A | 14.0 | 13.8 | 6.0

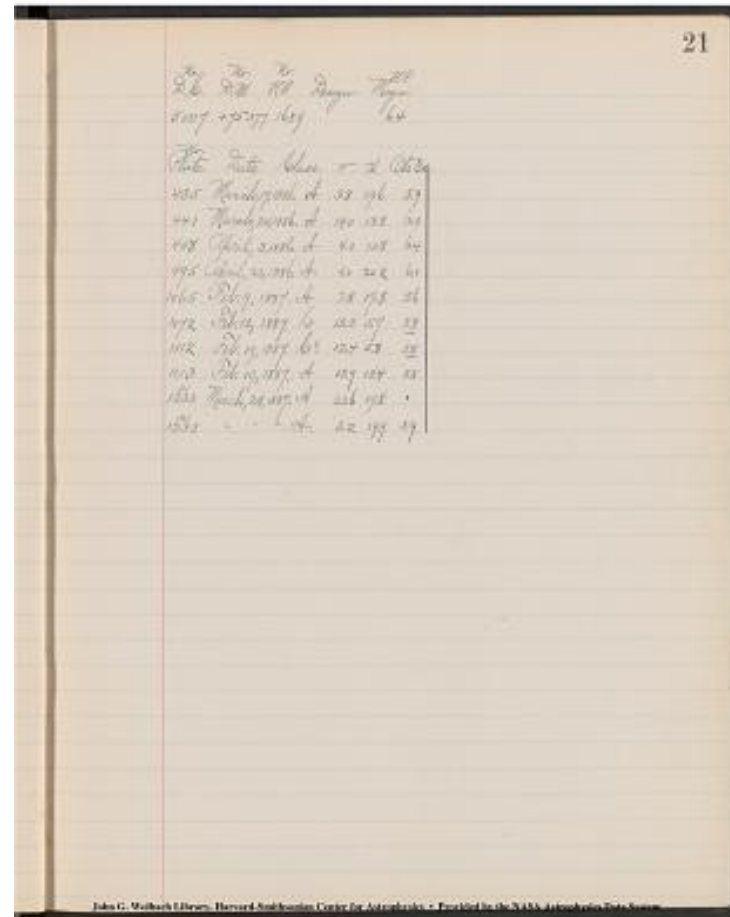
458 | April 3, 1886. | A | 4.0 | 10.8 | 6.4

495 | April 22, 1886. | A | 4.0 | 20.2 | 6.1

1065 | Feb. 9, 1887. | A | 3.8 | 17.8 | 5.6

1072 | Feb 12, 1887. | C | 12.3 | 5.7 | 5.81112 | Feb. 19, 1887. | C? | 12.4 | 5.8 | 5.8

1113 | Feb. 19, 1887. | A | 13.9 | 15.4 | 5.5

1233<sup>^</sup>[[1]] | March 24, 1887. | A | 22.6 | 19.8 | .1233<sup>^</sup>[[2]] | March 24, 1887. | A | 3.2 | 19.9 | 5.9

Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C  
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[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

5044 | +63<sup>h</sup> | 845. | 1701 | h Ursae Maj. | 3.7

[[6-column table]]

No. Plate | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---

435 | March, 17, 1886. | A | 7.9 | 22.2 | 5.5

441 | March, 24, 1886. | F. | 18.0 | 12.7 | 5.3

458 | April, 3, 1886. | (C.) | 7.6 | 6.1 | 5.3495 | April, 22, 1886. | F | 7.9 | 23.5 | 5.3

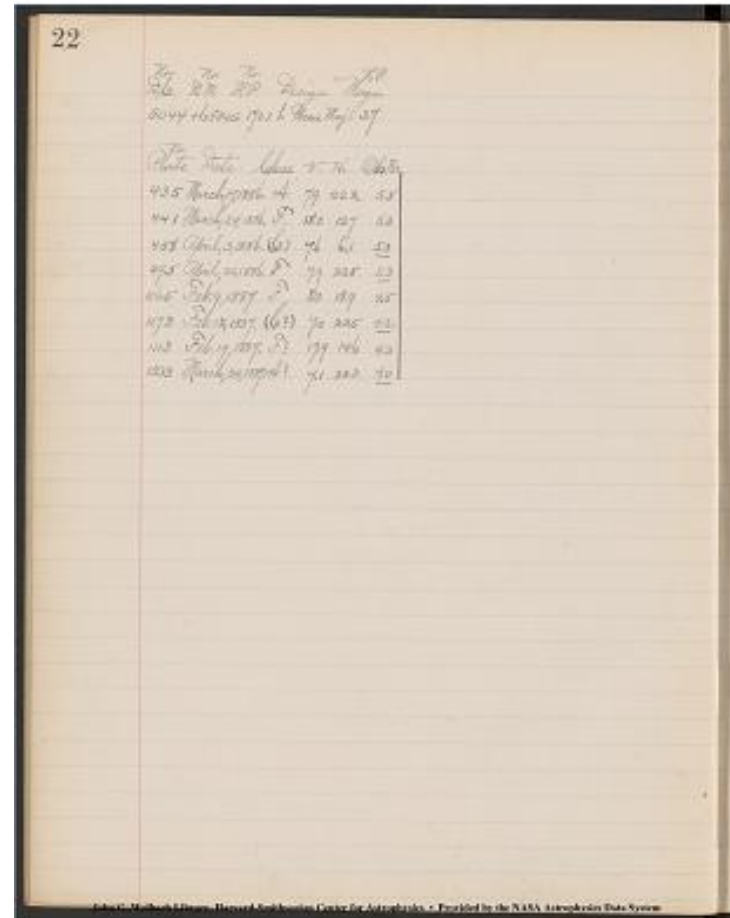
1065 | Feb. 9, 1887 | F | 8.0 | 18.9 | 4.5

1073 | Feb. 12, 1887. | (C?) | 7.0 | 23.5 | 4.2

1113 | Feb. 19, 1887. | F? | 17.9 | 14.6 | 4.3

1233 | March, 24, 1887. | A? | 7.1 | 23.0 | 4.0

[[/underlined]]



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C

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[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

5147 | +79<sup>h</sup> | 319 | 1733 | | 6.1

[[6 column table]]

No. Plate | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---

441	March, 24, 1886.	A	6.0	12.2	6.2
446	April, 2, 1886.	A	4.2	5.9	<u>5.9</u>
458	April, 3, 1886.	A	15.5	10.4	5.9
495	April, 22, 1886.	A	16.0	16.9	5.9
500	April, 23, 1886.	A	5.5	22.0	6.6
508	April, 26, 1886.	A	5.5	20.6	6.6
1064	Feb. 9, 1887.	C?	4.0	6.5	<u>6.2</u>
1065	Feb. 9, 1887.	A	15.6	15.3	5.4
1072	Feb. 12, 1887.	C?	4.0	6.8	<u>6.3</u>
1074	Feb. 12, 1887.	A	15.1	20.6	5.3
1112	Feb. 19, 1887.	C	4.0	6.7	<u>5.8</u>
1113	Feb. 19, 1887.	A	5.9	13.7	5.4
1162	Feb. 28, 1887.	A	13.0	23.9	<u>5.0</u>
1208	March, 13, 1887.	A	4.7	21.3	5.5
1233	March, 24, 1887.	A	15.2	16.7	5.5
1255	March, 26, 1887.	A	12.6	23.8	<u>5.6</u>

No. Plate	Date	Class	V	H	Obs. Br.
441	March 24, 1886.	A	6.0	12.2	6.2
446	April 2, 1886.	A	4.2	5.9	<u>5.9</u>
458	April 3, 1886.	A	15.5	10.4	5.9
495	April 22, 1886.	A	16.0	16.9	5.9
500	April 23, 1886.	A	5.5	22.0	6.6
508	April 26, 1886.	A	5.5	20.6	6.6
1064	Feb. 9, 1887.	C?	4.0	6.5	<u>6.2</u>
1065	Feb. 9, 1887.	A	15.6	15.3	5.4
1072	Feb. 12, 1887.	C?	4.0	6.8	<u>6.3</u>
1074	Feb. 12, 1887.	A	15.1	20.6	5.3
1112	Feb. 19, 1887.	C	4.0	6.7	<u>5.8</u>
1113	Feb. 19, 1887.	A	5.9	13.7	5.4
1162	Feb. 28, 1887.	A	13.0	23.9	<u>5.0</u>
1208	March 13, 1887.	A	4.7	21.3	5.5
1233	March 24, 1887.	A	15.2	16.7	5.5
1255	March 26, 1887.	A	12.6	23.8	<u>5.6</u>

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[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

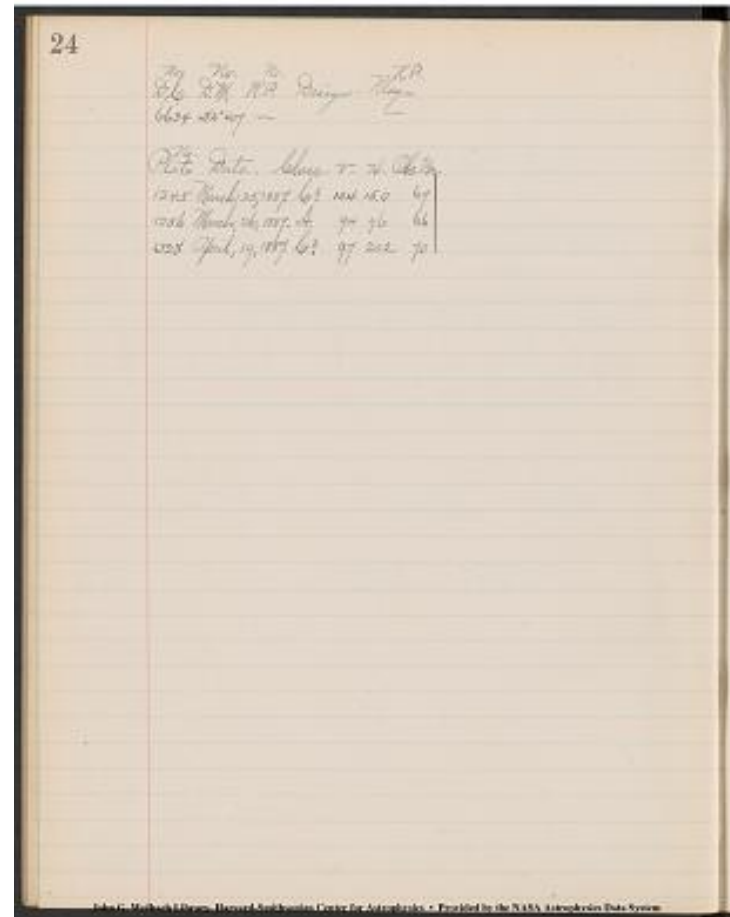
6634 | +82°407 | -- | | --

[[6-column table]]

No. Plate | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---

1245 | March, 25, 1887. | C? | 10.4 | 15.0 | 6.7  
 1256 | March, 26, 1887. | A | 9.4 | 9.6 | 6.6  
 1328 | April, 19, 1887. | C? | 9.7 | 20.2 | 7.0



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[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

8479 | +79<sup>h</sup>[[°]]604 | -- | | --

[[6-column table]]

No. Plate. | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---

628	July, 22, 1886.	B	6.6	13.3	6.7
693	Aug. 20, 1886	A	6.0	20.1	7.0
696	Aug. 20, 1886.	C	14.1	23.5	<u>6.9</u>
738	Sept. 7, 1886.	A	6.0	20.0	5.9
1333	April, 19, 1887.	C?	3.5	6.9	<u>5.8</u>
1384	April, 30, 1887.	A	6.0	13.1	5.7
1395	May, 1, 1887.	F?	15.2	10.5	5.7
1450	June, 11, 1887.	A	15.3	9.8	5.9
1519	July, 13, 1887.	A	15.0	17.2	6.5
1520	July, 13, 1887.	A	13.1	23.9	<u>6.5</u>
1570	Aug. 8, 1887.	E	4.9	20.6	7.0

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 . Provided by the NASA Astrophysics Data System

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*Dr. H. P. Draper. 1890.*

*8479 +79° 604*

No. Plate.	Date.	Class.	V.	H.	Obs. Br.
628	July, 22, 1886.	B	6.6	13.3	6.7
693	Aug. 20, 1886.	A	6.0	20.1	7.0
696	Aug. 20, 1886.	C	14.1	23.5	6.9
738	Sept. 7, 1886.	A	6.0	20.0	5.9
1333	April, 19, 1887.	C?	3.5	6.9	5.8
1384	April, 30, 1887.	A	6.0	13.1	5.7
1395	May, 1, 1887.	F?	15.2	10.5	5.7
1450	June, 11, 1887.	A	15.3	9.8	5.9
1519	July, 13, 1887.	A	15.0	17.2	6.5
1520	July, 13, 1887.	A	13.1	23.9	6.5
1570	Aug. 8, 1887.	E	4.9	20.6	7.0

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Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class  
 C  
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26

[[5 Column Table]]

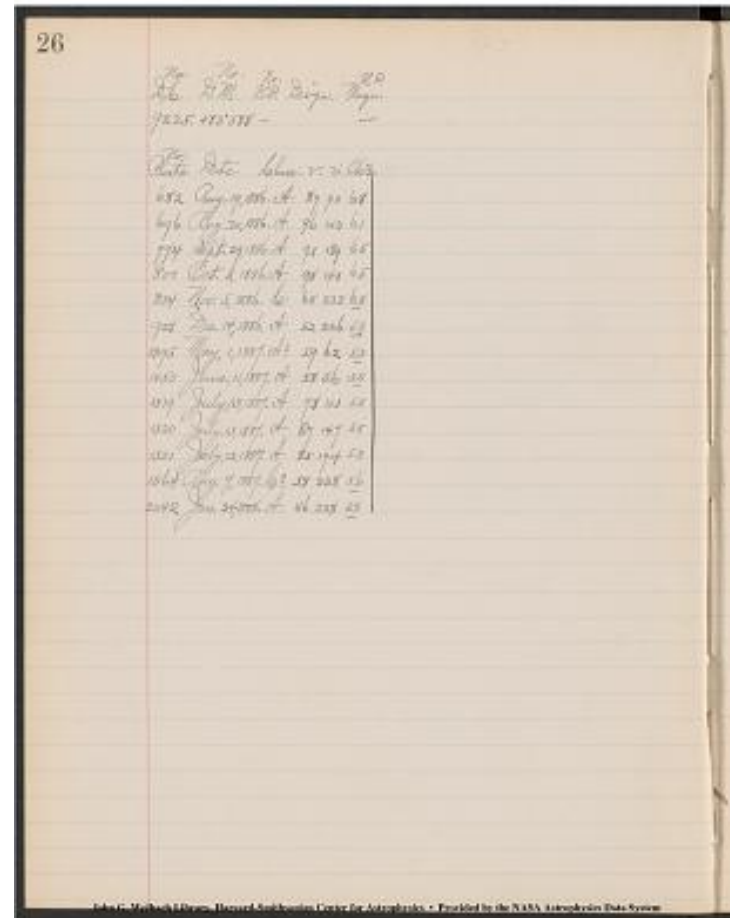
No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---  
9225 | +83<sup>h</sup> | 588 | -- | --

[[6 Column Table]]

No. Plate. | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---  
682 | Aug. 19, 1886. | A. | 8.9 | 9.0 | 6.8  
696 | Aug. 20, 1886. | A. | 9.6 | 14.3 | 6.1  
774 | Sept. 29, 1886. | A. | 9.1 | 18.9 | 6.5  
800 | Oct. 5, 1886. | A | 9.8 | 14.3 | 6.5  
834 | Nov. 5, 1886. | C | 6.5 | 23.3 | 6.5  
928 | Dec. 15, 1886. | A. | 5.2 | 23.6 | 5.9  
1395 | May, 1, 1887. | A? | 5.9 | 6.2 | 5.3  
1450 | June, 11, 1887. | A | 5.8 | 5.6 | 5.5  
1519 | July, 13, 1887. | A. | 7.8 | 10.1 | 5.5  
1510 | July, 13, 1887. | A | 8.7 | 14.7 | 5.5  
1521 | July, 13, 1887. | A. | 8.5 | 19.4 | 5.3  
1564 | Aug. 7, 1887. | C? | 5.8 | 23.8 | 5.6  
2242 | Jan. 24, 1888. | A. | 4.6 | 23.8 | 5.8



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[[5 column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn.

--- | --- | --- | --- | ---

9237. | +66° 13'18. | 3650 | | 5.5

[[6 column table]]

No. Plate | Date. | Class. | V. | H. | Obs. Br.

--- | --- | --- | --- | --- | ---

693 | Aug. 20, 1886. | C | 13.0 | 6.1 | 6.7

696 | Aug. 20, 1886. | A | 3.5 | 14.3 | 6.7

720 | Sept. 1, 1886. | C | 13.1 | 22.6 | 6.5

738 | Sept. 7, 1886. | A | 13.1 | 6.1 | 5.7770 | Sept. 29, 1886. | A | 13.3 | 6.3 | 6.9

800 | Oct. 5, 1886. | A | 3.7 | 14.4 | 7.0

803 | Oct. 5, 1886. | A | 13.1 | 22.9 | 6.7

1478 | June, 28, 1887. | C | 12.6 | 12.4 | 6.3

1520<sup>^</sup>[(1)] | July, 13, 1887. | C | 22.4 | 14.9 | 6.5

[[/underlined]]

1520<sup>^</sup>[(2)] | July, 13, 1887. | A | 2.7 | 15.0 | 6.41570 | Aug. 8, 1887. | A | 12.4 | 6.9 | 6.5

1584 | Aug. 9, 1887. | A | 12.3 | 22.4 | 6.9

27

No. D.C. | No. D.M. | No. H.P. | Design | H.P. Magn.

9237. | +66° 13'18. | 3650 | | 5.5

No. Plate | Date. | Class. | V. | H. | Obs. Br.

693 | Aug. 20, 1886. | C | 13.0 | 6.1 | 6.7

696 | Aug. 20, 1886. | A | 3.5 | 14.3 | 6.7

720 | Sept. 1, 1886. | C | 13.1 | 22.6 | 6.5

738 | Sept. 7, 1886. | A | 13.1 | 6.1 | 5.7

770 | Sept. 29, 1886. | A | 13.3 | 6.3 | 6.9

800 | Oct. 5, 1886. | A | 3.7 | 14.4 | 7.0

803 | Oct. 5, 1886. | A | 13.1 | 22.9 | 6.7

1478 | June, 28, 1887. | C | 12.6 | 12.4 | 6.3

1520<sup>^</sup>[(1)] | July, 13, 1887. | C | 22.4 | 14.9 | 6.5

[[/underlined]]

1520<sup>^</sup>[(2)] | July, 13, 1887. | A | 2.7 | 15.0 | 6.4

1570 | Aug. 8, 1887. | A | 12.4 | 6.9 | 6.5

1584 | Aug. 9, 1887. | A | 12.3 | 22.4 | 6.9

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[[4 columns]]

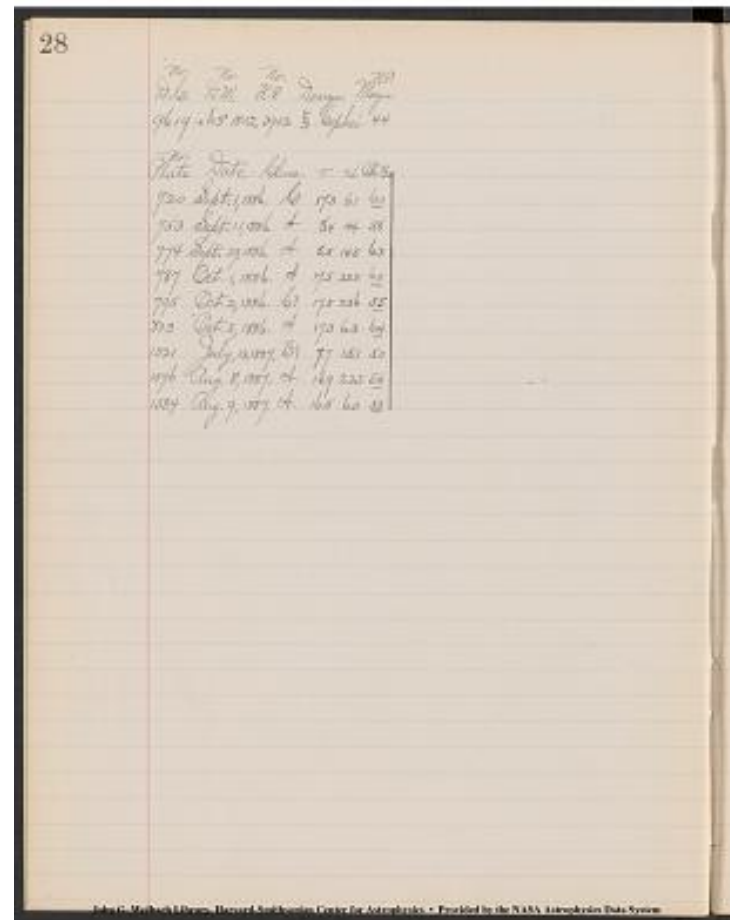
D.C. No.	D.M. No.	H.P. No.	H.P. Design. Magn.

9619 | +63°1802. | 3903 | Xi Cephei 4.4

[[6 columned table]]

No. Plate	Date.	Class.	V.	H.	Obs. Br

720	Sept. 1, 1886.	C	17.3	6.1	<u>6.0</u>
753	Sept. 11, 1886.	A	8.4	14.4	5.8
774	Sept. 29, 1886.	A	8.5	14.5	6.3
787	Oct. 1, 1886.	A	17.5	23.5	<u>6.0</u>
795	Oct. 2, 1886.	C?	17.5	23.6	<u>5.5</u>
803	Oct. 5, 1886.	A	17.3	6.3	<u>6.4</u>
1521	July, 13, 1887.	B?	7.7	15.1	5.0
1576	Aug. 8, 1887.	A	16.9	23.3	<u>5.4</u>
1584	Aug. 9, 1887.	A.	16.5	6.0	<u>5.3</u>

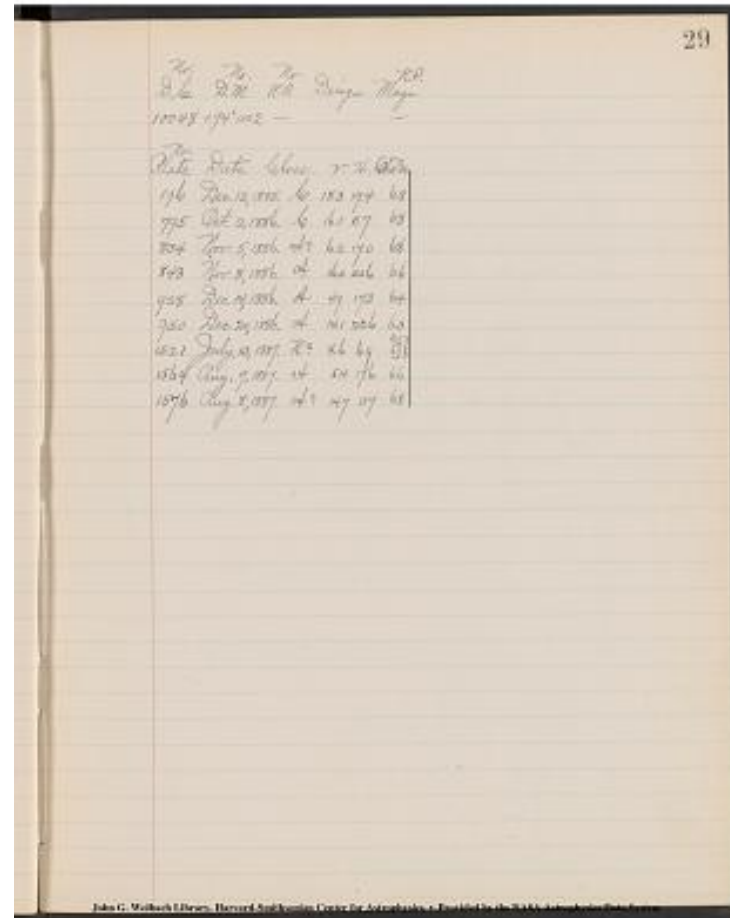


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[[5 columns]]  
 D.C.^[[No.]] D.M.^[[No.]] H.P.^[[No.]] | Design. | Magn.^[[H.P.]] |  
 10048 | +74° 1002 | - | - |

[[6 column table]]  
 Plate^[[No.]]|Date |Class |V.|H.|Obs.Br.|  
 |---|---|---|---|---|

196	Dec. 12, 1885.	C	18.3	17.4	6.8
795	Oct. 2, 1886.	C	16.1	11.7	6.8
834	Nov. 5, 1886.	A?	6.2	17.0	6.8
843	Nov. 8, 1886.	A.	16.0	21.6	6.6
928	Dec. 14, 1886.	A	4.9	17.3	6.4
950	Dec. 20, 1886.	A	14.1	22.6	6.3
1521	July, 13, 1887.	H?	4.6	6.9	6.9
1564	Aug. 7, 1887.	A	5.4	17.6	6.6
1576	Aug. 8, 1887.	A?	14.7	11.7	6.8



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class  
 C  
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[[5 column table]]

|---|---|---|---|

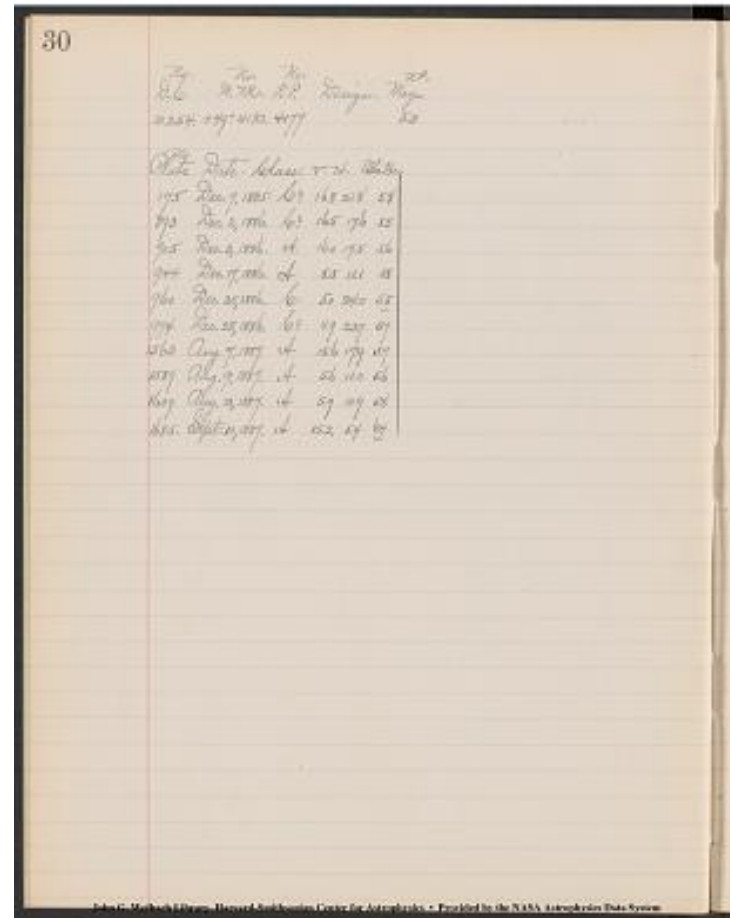
No. D.C. | No. D.M. | No. H.P. | Design | H.P. Magn.  
 10254 | +49° 4180 | 4177 | | 5.3

[[6 column table]]

No. Plate | Date | Class | V. | H. | Obs.Br.

|---|---|---|---|

175	Dec. 7, 1885	C?	16.8	21.8	5.8
893	Dec. 2, 1886	C?	16.8	17.6	5.5
905	Dec. 3, 1886	A	15.0	17.5	5.6
944	Dec. 17, 1886	A	5.5	11.1	5.8
960	Dec. 25, 1886	C	5.0	24.0	<u>5.5</u>
974	Dec. 28, 1886	C?	4.9	23.7	5.7
1563	Aug. 7, 1887	A	15.6	17.9	5.7
1589	Aug. 9, 1887	A	5.6	11.0	5.6
1609	Aug. 13, 1887	A	5.9	10.9	5.8
1685	Sept. 10, 1887	A	15.2	5.4	<u>6.4</u>



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C  
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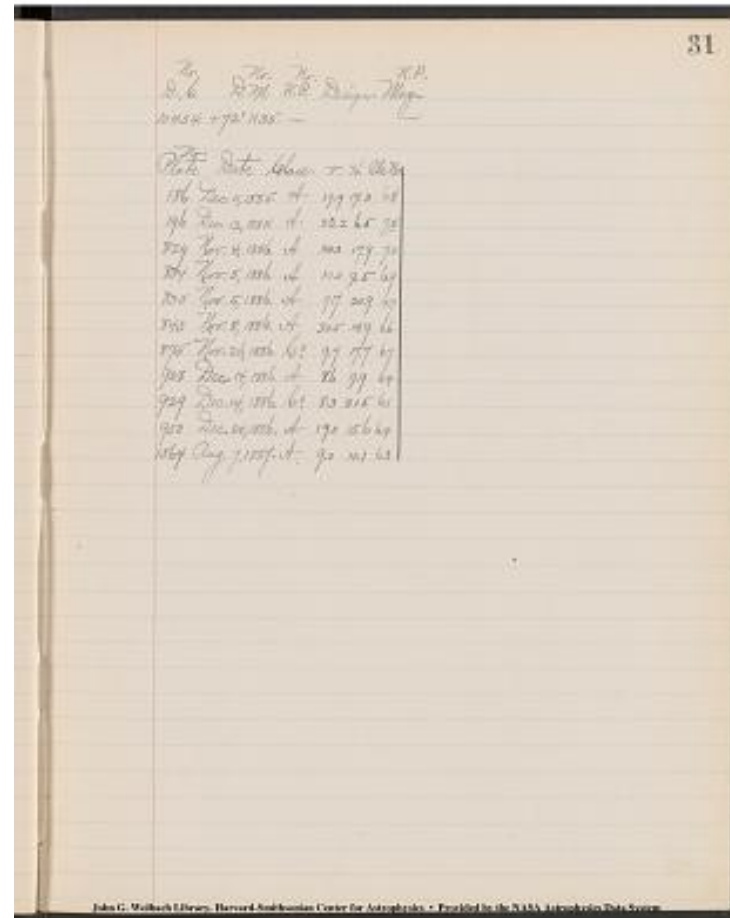
[[5-column table]]

No. D.C. | No. D.M. | No. H.P. | Design. | H.P. Magn. |  
 10454. +41° 1135.

[[6-column table]]

No. Plate | Date | Class. | V. | H. | Obs. Br. |  
 |---|---|---|---|---|

186 | Dec. 11, 1885. | A. | 19.9 | 17.3 | 6.8 |  
 196 | Dec. 12, 1885. | A. | 22.2 | 6.5 | 7.5 |  
 829 | Nov. 4, 1886. | A. | 20.3 | 17.9 | 7.0 |  
 834 | Nov. 5, 1886. | A. | 10.0 | 9.5 | 6.9 |  
 835 | Nov. 5, 1886. | A. | 9.7 | 20.9 | 6.7 |  
 843 | Nov. 8, 1886. | A. | 20.5 | 14.9 | 6.6 |  
 875 | Nov. 26, 1886. | C? | 9.7 | 17.7 | 6.7 |  
 928 | Dec. 14, 1886. | A. | 8.6 | 9.9 | 6.4 |  
 929 | Dec. 14, 1886. | C? | 8.3 | 21.5 | 6.1 |  
 950 | Dec. 20, 1886. | A. | 19.0 | 15.6 | 6.4 |  
 1564 | Aug. 7, 1887. | A. | 9.0 | 10.1 | 6.3 |



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C  
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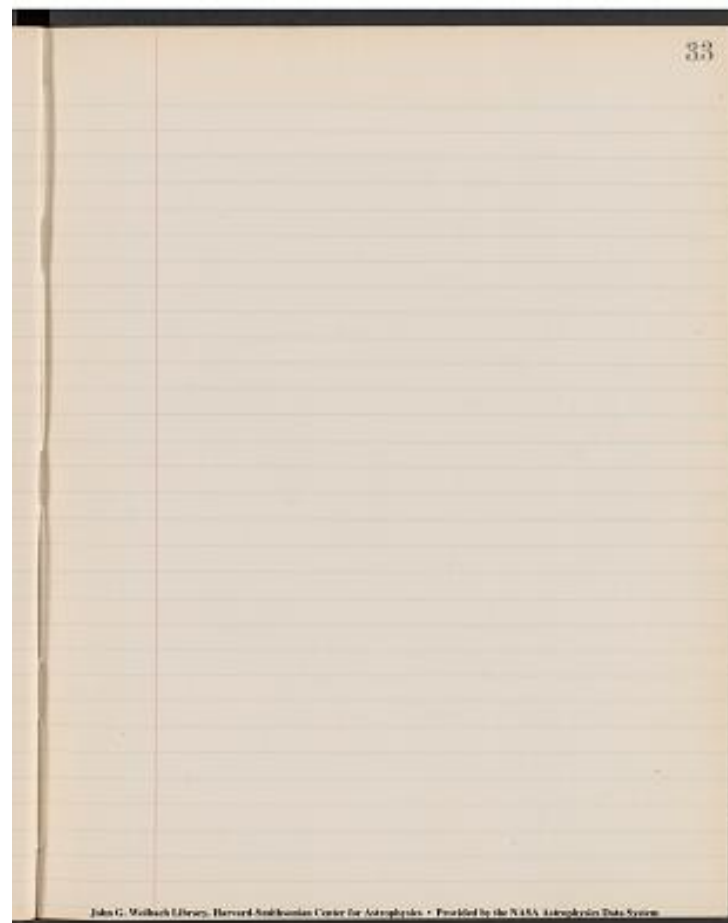
32  
Jan. 10, 1890

[[5 columns]]  
^[[No.]]D.C|^[[No.]]D.M.^[[No.]]H.P | Design.| ^[[H.P.]]Magn.|  
|---|---|---|---|---|  
10497. | +60° 2667 | 4258 | | 3.0

[[6 columns]]  
^[[No.]]Plate|Date|Class|V. |H. |Obs Br.|  
|---|---|---|---|---|  
|

186	Dec. 11, 1885	A	5.0	17.7	6.7
196	Dec. 12, 1885	C	0.5	6.2	6.5
829	Nov. 4, 1886	A?	5.0	19.7	6.7
843	Nov. 8, 1886	C	5.5	15.0	6.5
875	Nov. 26, 1886	C	14.3	19.6	6.4
928	Dec. 14, 1886	C	12.7	5.7	6.2
1564	Aug. 7, 1887	A	13.1	6.1	6.2

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C  
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List of I Plates to be examined  
for Spectra of Variable Stars.

plates used here, only of quality 3, 4, 5.

[8 column table]

Name. | ^[[1900]] R.A. | ^[[1900]] Dec. | Max. | Min. | I plates | Class. | C to O No. |

--- | --- | --- | --- | --- | --- | --- | --- |

S Ceti | 0^[[h]] 19.0^[[m]] | -9° 53' | 7.0^[[mag]] | <12.5 | 2893^[[C]],  
 2927^[[C]], 2958^[[N.S. Edge plate]], 1857^[[N.S.]] | · a II | 3 |  
 B Cassiopeiae | 0 19.2 | +63 35 | >1 | ? | 2101^[[N. S.]], 1795^[[N. S.]]  
 | · c I | |  
 T Piscium | 0 26.8 | +14 3 | 9.5 | 11.0 | 1648^[[C]], 1735^[[N.S.]],  
 1631^[[C]] | · c III? | |  
 -Andromeda | 0 37.2 | +40 43 | 7 | <15 | 3204^[[v.f.]], 3251^[[S]] | · c I |  
 |  
 U Cassiopeiae | 0 40.5 | +47 43 | 8.5?^[[mag]] | 14? | 1754^[[N.S.]],  
 1755^[[N.S.]], 1996^[[C]], 2929^[[v.f.]], 3097^[[N. S.]] | · a II | 4 |  
 S Cassiopeiae | 1 12.3 | +72 5 | 6.7 | <13.5 | 2860 | · a II | 3 |  
 S Piscium | 1 12.3 | +8 24 | 8.2^[[mag]] | 13.5? | 961, 1717, 1834, 2155 | · a  
 II | 7 |  
 U Piscium | 1 17.7 | +12 21 | 10 | <14 | 2155, 1643, 1644, 1866, | · c II |  
 8 |  
 R Sculptoris | 1 22.4 | -3.3 4 | 5.8 | 7.8 | 4527^[[N.S.]], 4036^[[v.H.]] | · s  
 II | 9 |  
 R Piscium | 1 25.5 | +2 22 | 7^[[mag]] | <12.5 | 1718^[[C]], 2163^[[C]], 961,  
 1717^[[C]], 1834^[[C]] | a II | 10 |  
 S Arietis | 1 59.2 | +12 3 | 9.1 | 14? | 3209, 3224, 1874, 1649. | · c II |  
 11 |  
 R Arietis | 2 +24 | 35^[[mag]] | 7.6^[[mag]] | 13.0 | 2982, 2156, 838, 1869. | · a  
 II | 12 |  
 T Persei | 2 12.2 | +58 29 | 8.2 | 9.3 | 1818, 957, 3043 | · b ... | |  
 S Persei | 2 15.7 | +58 8 | 8.5^[[mag]] | 12.5 | 1818, 957, 3043 | · a II | 14  
 |  
 R Ceti | 2 20.9 | -0 38 | 7.5^[[mag]] | 13.5 | 2174, 188, 1738, 2137 | · a III |  
 15 |  
 T Arietis | 2 42.7 | +17 6 | 7.9 9.7 | 1836, 2079, 2156, | · b II | 17 |  
 R Persei | 3 23.7 | +35 20 | 7.7 | 13.5 | 2165, 2157, 1875, 1888 | · a II |  
 19^[[mag]] |  
 T Tauri | 4 16.2 | +19 18 | 9.2 | <13.5 | 982, 2119, 183, 1913, 142, 152,  
 2138, 2080 | · c II | |  
 W Tauri | 4 22.3 | +15 53 | 9? | <12.5 | 1029, 2227, 338, 183, 1913,  
 218, 2138 | · c II | 21 |  
 S Tauri | 4 23.7 | +9 44 | 9.5 | <13.5 | 1782, 2227 | · C II | 23 |  
 R Reticuli | 4 32.5 | -63 14 | 7 | <13 | 486 | · S | |  
 V Tauri | 4 46.2 | +17 22 | 8.3^[[mag]] | <13.5 | 218, 2080. | · a II | 24 |  
 R Orionis | 4 53.6 | +7 59 | 8.7 | <13 | 1782, 1081, 2227, 338 | · a II |  
 25 |  
 R Leporis | 4 55.0 | -14 57 | 6 | 8.5?, 1749, 1770, 2298. | · b II | 26 |  
 S Aurigae | 5 20.5 | +34 5 | 9.4 | <14.5 | 2133, 3161, 3067, 2018 | · c |  
 II |  
 S Orionis | 5 24.1 | -4 46 | 8.3 | 13.0, 1851, 1098 | · a II | 28 |  
 T Orionis | 5 30.9 | -5 32 | 9.7 | 13 | 1851, 1098 | a III | |  
 V Monoc. | 6 17.7 | -2 9 | 6.9 | <10.7 | 1831, 1082 | · a II | 31 |  
 R Monoc. | 6 33.7 | +8 49 | 9.5 | 13 | 1109, 2188, 2220, 2553 | · c II |  
 |

50

# List of I Plates to be examined for Spectra of Variable Stars

Plates used  
here only of quality  
2.5-5.

Name	R.A.	Dec.	Max.	Min.	I plates	Class.	C to O No.	
S Ceti	0 19.2	-9° 53'	7.0	<12.5	2893, 2927, 2958	a II	3	
B Cassiopeiae	0 19.2	+63 35	>1	?	2101, 1795	c I		
T Piscium	0 26.8	+14 3	9.5	11.0	1648, 1735	c III?		
-Andromeda	0 37.2	+40 43	7	<15	3204, 3251	c I		
U Cassiopeiae	0 40.5	+47 43	8.5?	14?	1754, 1755, 1996, 2929, 3097	a II	4	
S Cassiopeiae	1 12.3	+72 5	6.7	<13.5	2860	a II	6	
S Piscium	1 12.3	+8 24	8.2	13.5?	961, 1717, 1834, 2155	a II	7	
U Piscium	1 17.7	+12 21	10	<14	2155, 1643, 1644, 1866	c II	8	
R Sculptoris	1 22.4	-3.3 4	5.8	7.8	4527, 4036	s II	9	
R Piscium	1 25.5	+2 22	7	<12.5	1718, 2163, 961, 1717, 1834	a II	10	
S Arietis	1 59.2	+12 3	9.1	14?	3209, 3224, 1874, 1649	c II	11	
R Arietis	2 10.4	+24 35	7.6	13.0	2982, 2156, 838, 1869	a II	12	
T Persei	2 12.2	+58 29	8.2	9.3	1818, 957, 3043	b ...		
S Persei	2 15.7	+58 8	8.5	12.5	1818, 957, 3043	a II	14	
R Ceti	2 20.9	-0 38	7.5	13.5	2174, 188, 1738, 2137	a III	15	
T Arietis	2 42.7	+17 6	7.9	9.7	1836, 2079, 2156	b II	17	
R Persei	3 23.7	+35 20	7.7	13.5	2165, 2157, 1875, 1888	a II	19	
T Tauri	4 16.2	+19 18	9.2	<13.5	982, 2119, 183, 1913, 142, 152, 2138, 2080	c II		
W Tauri	4 22.3	+15 53	9?	<12.5	1029, 2227, 338, 183, 1913, 218, 2138	c II	21	
S Tauri	4 23.7	+9 44	9.5	<13.5	1782, 2227	C II	23	
R Reticuli	4 32.5	-63 14	7	<13	486	S		
V Tauri	4 46.2	+17 22	8.3	<13.5	218, 2080	a II	24	
R Orionis	4 53.6	+7 59	8.7	<13	1782, 1081, 2227, 338	a II	25	
R Leporis	4 55.0	-14 57	6	8.5?	1749, 1770, 2298	b II	26	
S Aurigae	5 20.5	+34 5	9.4	<14.5	2133, 3161, 3067, 2018	c II		
S Orionis	5 24.1	-4 46	8.3	13.0, 1851, 1098	a II		28	
T Orionis	5 30.9	-5 32	9.7	13	1851, 1098	a III		
S Monoc.	6 17.7	-2 9	6.9	<10.7	1831, 1082	a II		31
R Monoc.	6 33.7	+8 49	9.5	13	1109, 2188, 2220, 2553	c II		
S Monoc.	6 36.7	+8 49	9.5	13	1109, 2188, 2220, 2553	c II		

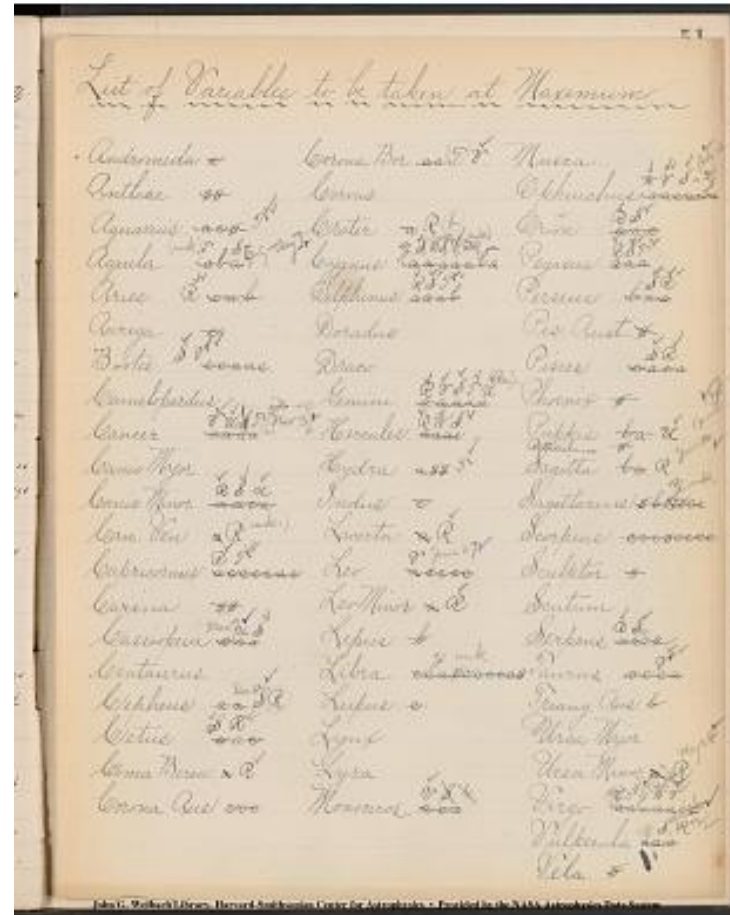
John G. Wetherill and Henry J. G. Smith, Observatories, published for the U.S.A. Astrophysical Data Service

| ~~S Monoc.~~ | 6 35.8 | +9 | 59 | 4.9 | 5.4 | 1109, 2188,  
2220, 2553 | .a | IV ~~IV~~ |

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List of Variables to be taken at Maximum

Andromeda ~~c~~  
 Antliae ~~ss~~  
 Aquarius ~~acs~~ T  
 Aquila (nnk.) T ~~aba~~ S [July-Aug]  
 Aries R ~~cab~~  
 Auriga ~~c~~  
 Bootes S V ~~ccaac~~  
 Camelopardus  
 Cancer ~~aaaa~~ V U ~~[[strikethrough]]~~ S  
~~[[strikethrough]]~~ T ink [Nov. 3]  
 Canis Major  
 Canis Minor ~~aaca~~ R S U  
 Can. Ven. ~~a~~ R (mk.)  
 Capricornus ~~accacac~~ R T  
 Carina ~~ss~~  
 Cassiopeia ~~caa~~ Mar. 7 U S  
 Centaurus  
 Cepheus ~~aa~~ Dec. 22 S R  
 Cetus ~~aac~~ S R  
 Coma Beren. ~~a~~ R  
 Corona Aus. ~~ccc~~  
 Corona Bor. ~~aa~~ T V.  
 Corvus  
 Crater ~~a~~ R b  
 Cygnus ~~aaaaaba~~ Z, S, RS, V, RR, (mk)  
 (mk)  
 Delphinus ~~aaab~~ RST  
 Doradus  
 Draco  
 Gemini ~~aaaaa~~ R V S T U (Dec).  
 Hercules ~~aaac~~ R W S.  
 Hydra ~~ass~~ T  
 Indus ~~c~~  
 Lacerta ~~a~~ R  
 Leo ~~acccc~~ V June 27  
 Leo Minor ~~a~~ R  
 Lepus ~~b~~  
 Libra ~~ccasccccs~~ Y mk.  
 Lupus ~~c~~  
 Lynx  
 Lyra  
 Monoceros ~~aca~~ V ~~[[strikethrough]]~~ S b  
~~[[strikethrough]]~~  
 Musca  
 Ophiuchus ~~aacaaba~~ W V S \_ X July  
 12  
 Orion ~~aac~~ R S  
 Pegasus ~~aaa~~ R S T  
 Perseus ~~baa~~ S R  
 Pis. Aust. ~~s~~  
 Pisces ~~caca~~ S R  
 Phoenix ~~s~~  
 Puppis ~~ba~~ U  
 Reticulum ~~s.~~  
 Sagitta ~~ba~~ R June 12  
 Sagittarius ~~sbsssa~~ z mk.  
 Scorpius ~~ccscccc~~  
 Sculptor ~~s~~  
 Scutum



Serpens R S ~~aacs~~  
Taurus ~~ccca~~ V  
Triang. Aus. ~~b~~  
Ursa Major  
Ursa Minor ~~a~~ R May 24  
Virgo ~~aaaaacc~~ X T Y april 9 Jan 24 W  
V  
Vulpecula ~~aaa~~ 11, S april 6, R  
Vela ~~s~~

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Plates. Series I. Class I.

1830<sup>^</sup>[[n.s.]]

1814<sup>^</sup>[[n.s.]], 1822<sup>^</sup>[[n.s.]]

564<sup>^</sup>[[s]], 575<sup>^</sup>[[v.f.]], 576<sup>^</sup>[[n.s.]]

2165<sup>^</sup>[[n.s.]], 1831<sup>^</sup>[[v.f.]], 1943<sup>^</sup>[[n.s.]], 1999<sup>^</sup>[[n.s.]].

2291<sup>^</sup>[[v.F.]]

2291<sup>^</sup>[[v.F.]]

497<sup>^</sup>[[v.F.]], 636<sup>^</sup>[[n.s.]], 702<sup>^</sup>[[n.s.]], ~~1646~~  
[[/strikethrough]] 1998<sup>^</sup>[[N.S.]], 533, 188<sup>^</sup>[[N.S.]], 532<sup>^</sup>[[N.S.]].

2267<sup>^</sup>[[v.F.]], 2297<sup>^</sup>[[v.F.]], 2251<sup>^</sup>[[v.F.]]

2206

2206, 2001, 2019, 187

2001, 2019, 187

2206, 1957, 1985, 2020, 2169, 2205.

492

493, 472, 498.

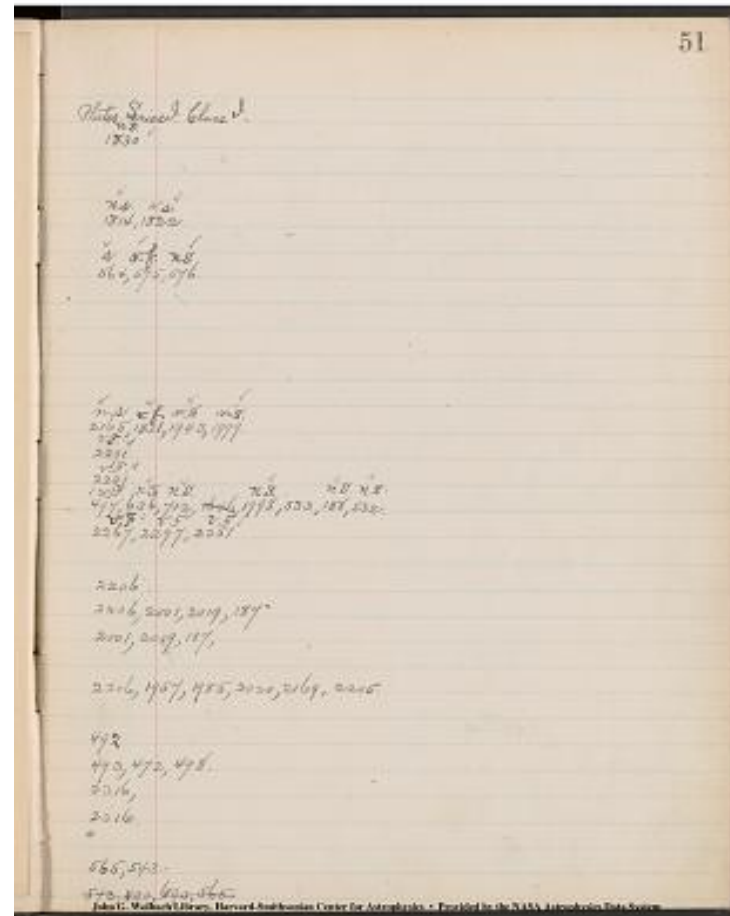
2316,

2316.

565, 543

[[/strikethrough]] 543, 499, 690, 565 [[/strikethrough]]

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[[8 columns]]

Name | R.A. 1900 | Dec. 1900 | Max | Min | I Plates | Class | C to O No. |  
 |-----|-----|-----|-----|-----|-----|-----|

R Germinorum | 7 1.3 | +22 52 | 6.6 | <13.5 | 235, 1902 | [[check mark]].a II | 35 |  
 R Can. Min. | 7 3.2 | +10 11 | 7.2 | 10.0 | 2188, 2208, 2220, 2189, 2228, 1083. | [[check mark]].a II | 36 |  
 [[check mark]]V Geminorum | 7 17.6 | +13 17 | 8.2[[check mark]].a II | 14.0 | 2189, 2228, 1083 | [[check mark]].a II | 39[[check mark]].a II | 39[[check mark]].a II |  
 S Can. Min. | 7 27.3 | +8 32 | 7.2 | <11 | 1854, 2189, 2228. | [[check mark]].a II | 41 |  
 T Can. Min. | 7 28.4 | +11 58 | 9.0 | <13.5 | 1854, 2189, 2228, 1083, 2041, 2319. | .c II | 42 |  
 [[check mark]]U Can. Min | 7 35.9 | +8 36 | 8.5 | 13.5 | 1854, 2189, 2228. | [[check mark]].a II | 43[[check mark]].a II | 43[[check mark]].a II |  
 [[check mark]]S Geminorum | 7 37.0 | +23 41 | 8.2[[check mark]].a II | <13.5 | 3290, 1134, 2019. | [[check mark]].a II | 44 [[check mark]].a II | 44 [[check mark]].a II |  
 [[check mark]]T Geminorum | 7 43.3 | +23 59 | [[check mark]].a II | <13.5 | 1134, 2209, 2019 | [[check mark]].a II | 45[[check mark]].a II | 45[[check mark]].a II |  
 S Puppis | 7 43.8 | -47 52 | 7.2 | 9 | [[check mark]].b ... | [[check mark]].b ... |  
 [[check mark]]U Germinorum | 7 49.2 | +22 16 | 8.9[[check mark]].a II | <14 | 1134, 2209, 2019 | spectrum peculiar .a II? | 46[[check mark]].a II | 46[[check mark]].a II | 46[[check mark]].a II |  
 U Puppis | 7 56.1 | -12 34 | 8.5 | <14 | 2399, 2468. | [[check mark]].a II | 47 |  
 [[check mark]]V Cancri | 8 16.0 | +17 36 | 6.8[[check mark]].a II | <12 | 1802, 2209. | [[check mark]].a II | 49[[check mark]].a II | 49[[check mark]].a II |  
 [[check mark]]U Cancri | 8 30.0 | +19 14 | 8.4[[check mark]].a II | <13 | 1802, 2209, 1135, 2461, 2042[[check mark]].a II | 50[[check mark]].a II | 50[[check mark]].a II |  
 S Cancri | 8 38.2 | +19 24 | 8.2 9.8 | 1802, 1135, 2042. | .a V | 51 |  
 [[check mark]]T Hydrae | 8 50.8 | -8 45 | [[check mark]].a II | 7.0 <13.0 | 2469, 1903. | [[check mark]].a II | 53[[check mark]].a II | 53[[check mark]].a II |  
 [[check mark]]T Cancri | 8 51.0 | +20 14 | 8.0[[check mark]].a II | 10.5 | 1943, 1135, 2029. | [[check mark]].a II | 54[[check mark]].a II | 54[[check mark]].a II |  
 S Antliae | 9 27.9 | -28 11 | 6.7 | 7.3 | 4918. | .s | 55 |  
 N Velorum | 9 28.2 | -56 36 | 3.4 | 4.4 | .s | 56 |  
 R Leo. Min. | 9 39.6 | +34 58 | 6.1 | <12.5 | 2044, 2447, 3244. | [[check mark]].a II | 56 |  
 I Carinae | 9 42.5 | -62 3 | 3.7 | 5.2 | .s | 57 |  
 [[check mark]]V Leonis | 9 54.5 | +21 45 | 8.6 | <13.5 | 2549, 2308 | [[check mark]].a II | 59[[check mark]].a II | 59[[check mark]].a II |  
 R Antliae | 10 5.5 | -37 14 | 6.5 | <8 | .s ... | 60 |  
 S Carinae | 10 6.2 | -61 4 | 6.2 | 9 | 3566. | .s ... | 61 |  
 U Leonis | 10 18.7 | +14 31 | 9.5 | <13.5 | 2416, 2230, 2291, 2357, 2549. | .c II | 62 |  
 V Hydrae | 10 46.8 | -20 43 | 6.7 | <9.1 | .s II | 63 |  
 W Leonis | 10 48.3 | +14 15 | 9? | <14 | 2357, 2338 | .c II | 62 |  
 [[check mark]]R Crateris | 10 55.6 | -17 47 | >[[check mark]].a II | <9 | 64 |  
 [[check mark]].(s) [[check mark]].a II | 63[[check mark]].a II | 63[[check mark]].a II | 63[[check mark]].a II |  
 S Leonis | 11 5.7 | +6 0 | 9.0 | <13 | 1266, 1348, 2448. | .c II | 64 |  
 T Leonis | 11 33.3 | +3 56 | 10? | <13.5 | 1348, 478. | .c II | 64 |

Name	R.A. 1900	Dec. 1900	Max	Min	I Plates	Class	C to O No.
R Germinorum	7 1.3	+22 52	6.6	<13.5	235, 1902	[[check mark]].a II	35
R Can. Min.	7 3.2	+10 11	7.2	10.0	2188, 2208, 2220, 2189, 2228, 1083.	[[check mark]].a II	36
V Geminorum	7 17.6	+13 17	8.2	14.0	2189, 2228, 1083	[[check mark]].a II	39
S Can. Min.	7 27.3	+8 32	7.2	<11	1854, 2189, 2228.	[[check mark]].a II	41
T Can. Min.	7 28.4	+11 58	9.0	<13.5	1854, 2189, 2228, 1083, 2041, 2319.	.c II	42
U Can. Min.	7 35.9	+8 36	8.5	13.5	1854, 2189, 2228.	[[check mark]].a II	43
S Geminorum	7 37.0	+23 41	8.2	<13.5	3290, 1134, 2019.	[[check mark]].a II	44
T Geminorum	7 43.3	+23 59	8.1	<13.5	1134, 2209, 2019	[[check mark]].a II	45
S Puppis	7 43.8	-47 52	7.2	9		[[check mark]].b ...	
U Germinorum	7 49.2	+22 16	8.9	<14	1134, 2209, 2019	spectrum peculiar .a II?	46
U Puppis	7 56.1	-12 34	8.5	<14	2399, 2468.	[[check mark]].a II	47
V Cancri	8 16.0	+17 36	6.8	<12	1802, 2209.	[[check mark]].a II	49
U Cancri	8 30.0	+19 14	8.4	<13	1802, 2209, 1135, 2461, 2042	[[check mark]].a II	50
S Cancri	8 38.2	+19 24	8.2 9.8	1802, 1135, 2042.		.a V	51
T Hydrae	8 50.8	-8 45	7.0	<13.0	2469, 1903.	[[check mark]].a II	53
T Cancri	8 51.0	+20 14	8.0	10.5	1943, 1135, 2029.	[[check mark]].a II	54
S Antliae	9 27.9	-28 11	6.7	7.3	4918.	.s	55
N Velorum	9 28.2	-56 36	3.4	4.4		.s	56
R Leo. Min.	9 39.6	+34 58	6.1	<12.5	2044, 2447, 3244.	[[check mark]].a II	56
I Carinae	9 42.5	-62 3	3.7	5.2		.s	57
V Leonis	9 54.5	+21 45	8.6	<13.5	2549, 2308	[[check mark]].a II	59
R Antliae	10 5.5	-37 14	6.5	<8		.s ...	60
S Carinae	10 6.2	-61 4	6.2	9	3566.	.s ...	61
U Leonis	10 18.7	+14 31	9.5	<13.5	2416, 2230, 2291, 2357, 2549.	.c II	62
V Hydrae	10 46.8	-20 43	6.7	<9.1		.s II	63
W Leonis	10 48.3	+14 15	9?	<14	2357, 2338	.c II	62
R Crateris	10 55.6	-17 47	>	<9		[[check mark]].a II	64
S Leonis	11 5.7	+6 0	9.0	<13	1266, 1348, 2448.	.c II	64
T Leonis	11 33.3	+3 56	10?	<13.5	1348, 478.	.c II	64



X Virginis | 11 56.7 | +9 38 | 7.8? | 12 | 478, 2556, 2627. | .a l? | |

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Series I., Class I.

Plates

2325, 2187

1866

1866

1866

1866

2187, 584, 568

584, 586.

584, 568

546, 704.

2337, 2188, 2339, 502, 571

2337, 899, 521, 2188, 2339, 502, 571

2337,



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[[7--- columns]]

Name | R.A.^1900 | Dec.^1900 | Max. | Min. | I Plates | Class C to Obs.  
No. |

|---|---|---|---|---|---|

R Comae | 11^1^[[h]] 59.1^1^[[m]] | +19° 21' | 7.4 | &lt;13.5 | 2077, 2339, 1306. | a II | 65 |

T Virginis | 12 9.5 | -5 28 | 8.0 | &lt;13.5 | 2472, 471 | all | 66 |

Y Virginis | 12 28.7 | -3 52 | 8 | 14 | 2472, 1379 | a II | 68 |

W Virginis | 13 20.9 | -2 52 | 8.7 | 10.4 | 2464, 2473, 1783 | a II? | 73 |

V Virginis | 13 22.6 | -2 39 | 8.0 | &lt;13 | 2473, 1783. | a II | 74 |

W Hydrae | 13 43.4 | -27 52 | 7 | ? | | s | |

R Can. Ven. | 13 44.6 | +40 2 | 7.5 | &lt;11 | 1416, 3229, 2559. | a II | |

R R Virg. | 13 59.6 | -8 43 | &gt;11 | &lt;14 | 2473 | cII | |

Z Virginis | 14 5.0 | -12 50 | 9.5 | &lt;14 | 2440, 2375. | c II | |

T Bootis | 14 9.4 | +19 32 | 9.7? | &lt;13 | 551, 2629, 2364. | cI? | |

X Bootis | 14 19.4 | +16 46 | 9.0 | 10.2 | 551, 2629, 2364 | cII | 79 |

S Bootis | 14 19.5 | +54 16 | 7.7 | 13.2 | 2692, 2626, 2490. | a II | 80 |

V Bootis | 14 25.7 | +39 18 | 7.1 | 9.4 | 2332, 2738, 2429 | a II | 81 |

V Librae | 14 34.8 | -17 14 | 9.3 | 12.2 | 2440 | c II | |

U Bootis | 14 49.7 | +18 6 | 9.1 | 13.6 | 1447, 1388 | c II | 84 |

T Librae | 15 5.0 | -19 38 | 10.2 | &lt;14 | | c II | |

Y Librae | 15 6.4 | -5 38 | 8.5 | ? | 2465, 2376. | a... | |

R. Tri. Aust. | 15 10.8 | -66 8 | 6.6 | 8.0 | | b IV | |

S Librae | 15 15.6 | -20 2 | 8.0 | &lt;13 | | S II | 87 |

S Serpentis | 15 17.0 | +14 40 | 7.6 | 12.5? | 1319, 1447, 1440. | a II | 88 |

X Librae | 15 30.4 | -20 50 | 11? | &lt;14 | | c II | |

W Librae | 15 32.2 | -15 51 | 11? | &lt;14 | | 2376 | C II | |

U Librae | 15 36.2 | -20 52 | 9 | &lt;14 | | C II | |

Z Librae | 15 40.7 | -20 49 | 11 | &lt;13 | | c | |

V Coronae | 15 46.0 | +39 52 | 7.2 | 12.0 | 1418, 2727, 2748, 2675, 2697, 2708 | a II | 90 |

R Serpentis | 15 46.1 | +15 26 | 5.6 | 13 | 2681, 1454, 1440, 1459. | a II |

91 | | a II? | 91 |

R Lupi. | 15 47.0 | -36 0 | 9 | &lt;11 | | C II? | |

R Librae | 15 47.9 | -15 56 | 9.2 | &lt;13 | C II | 92 |

R R Librae | 15 50.6 | -18 1 | 8.4 | 14 | | s | |

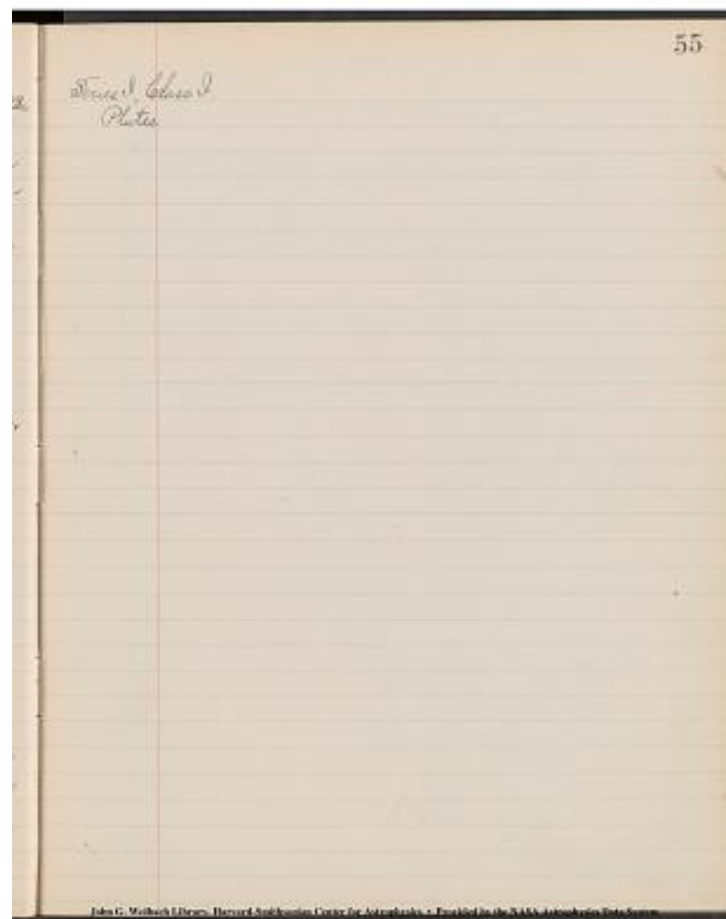
T Coronae | 15 55.3 | +26 12 | 2.0 | 9.5 | 1459, 2732 | a I | |

Name	R.A.	Dec.	Max.	Min.	I Plates	Class C to Obs.
R Comae	11 59.1	+19 21	7.4	<13.5	2077, 2339, 1306.	a II   65
T Virginis	12 9.5	-5 28	8.0	<13.5	2472, 471	all   66
Y Virginis	12 28.7	-3 52	8	14	2472, 1379	a II   68
W Virginis	13 20.9	-2 52	8.7	10.4	2464, 2473, 1783	a II?   73
V Virginis	13 22.6	-2 39	8.0	<13	2473, 1783.	a II   74
W Hydrae	13 43.4	-27 52	7	?		s
R Can. Ven.	13 44.6	+40 2	7.5	<11	1416, 3229, 2559.	a II
R R Virg.	13 59.6	-8 43	>11	<14	2473	cII
Z Virginis	14 5.0	-12 50	9.5	<14	2440, 2375.	c II
T Bootis	14 9.4	+19 32	9.7?	<13	551, 2629, 2364.	cI?
X Bootis	14 19.4	+16 46	9.0	10.2	551, 2629, 2364	cII   79
S Bootis	14 19.5	+54 16	7.7	13.2	2692, 2626, 2490.	a II   80
V Bootis	14 25.7	+39 18	7.1	9.4	2332, 2738, 2429	a II   81
V Librae	14 34.8	-17 14	9.3	12.2	2440	c II
U Bootis	14 49.7	+18 6	9.1	13.6	1447, 1388	c II   84
T Librae	15 5.0	-19 38	10.2	<14		c II
Y Librae	15 6.4	-5 38	8.5	?	2465, 2376.	a...
R. Tri. Aust.	15 10.8	-66 8	6.6	8.0		b IV
S Librae	15 15.6	-20 2	8.0	<13		S II   87
S Serpentis	15 17.0	+14 40	7.6	12.5?	1319, 1447, 1440.	a II   88
X Librae	15 30.4	-20 50	11?	<14		c II
W Librae	15 32.2	-15 51	11?	<14	2376	C II
U Librae	15 36.2	-20 52	9	<14		C II
Z Librae	15 40.7	-20 49	11	<13		c
V Coronae	15 46.0	+39 52	7.2	12.0	1418, 2727, 2748, 2675, 2697, 2708	a II   90
R Serpentis	15 46.1	+15 26	5.6	13	2681, 1454, 1440, 1459.	a II
						91     a II?   91
R Lupi.	15 47.0	-36 0	9	<11		C II?
R Librae	15 47.9	-15 56	9.2	<13		C II   92
R R Librae	15 50.6	-18 1	8.4	14		s
T Coronae	15 55.3	+26 12	2.0	9.5	1459, 2732	a I

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Series I., Class I.  
Plates



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class  
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[[7 columns]]

Name | R.A. ^ [[1900]] | Dec. ^ [[1900]] | Max | Min | I Plates | Class | C  
to Obs No. |

|---|---|---|---|---|---|

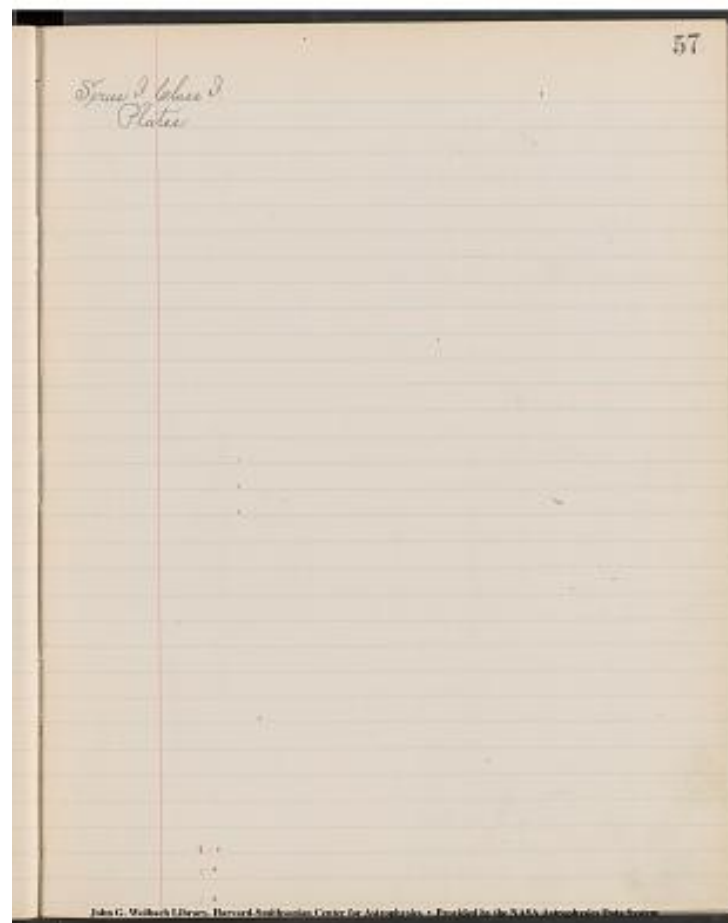
Z Scorpil | 16^[[h]] 0.1^[[m]] -21° 28' | 9 | 12? | | •c | |  
 R Herculis | 16 1.7 +18 38 | 8.0 | <13 | 2681, 1454, 1459 | •a II | 93 |  
 X Scorpil | 16 2.7 -21 16 | >11 | <13 | | •c II? | |  
 W Scorpil | 16 5.9 -19 52 | 10 | 14.5 | | •c II | 94 |  
 T Scorpil | 16 11.1 -22 44 | 7.0 | <12 | | •s I | |  
 R Scorpil | 16 11.7 -22 42 | 9.4 | <13 | | •c II | 95 |  
 S Scorpil | 16 11.7 -22 39 | 9.1 | <13 | | •c II | 96 |  
 W Ophiuchi | 16 16.0 -7 28 | 8.9 | <13.5 | 2632, 2475  
 •a II | 97 |  
 U Scorpil | 16 16.7 -17 39 | 9? | <12 | | •c I? | |  
 V Ophiuchi | 16 | 21.2 | -12 | 12 | 7.0 | 10.5 | 2632, 2475 | •a II | 98 |  
 Y Scorpil | 16 23.8 -19 13 | 10? | 14 | | •c | |  
 T Ophiuchi | 16 28.0 -15 55 | 10 | <12 | | •c II | 100 |  
 S Ophiuchi | 16 18.5 -16 57 | 8.3 | <13 | | •a II | 101 |  
 R Urs. Min. | 16 31.2 +72 29 | 8.6 | 10.5 | 3230, 3272, 2815, 2840 | •a II |  
 103 |  
 Herculis | 16 31.7 +37 32 | 8.0 | 14 | 2705, 2828, 2737 | •a II | 102 |  
 S Herculis | 16 47.3 +15 6 | 5.9 | 13 | 1412, 1462, 1381, 1372 | •a II |  
 105 |  
 - Ophiuchi | 16 53.9 -12 45 | 5.5 | 12.5 | | •a I | |  
 V Herculis | 16 54.6 +35 13 | 9.5 | 11.7 | 2739, 2583, 2622, 2737 | •c II |  
 106 |  
 - Serpentis | 17 24.6 -21 24 | >1 | ? | 3437^[[NS]], 2659^[[NS]],  
~~4964~~ ~~4829~~ ~~3649~~^[[Ns]] | •s I |  
 Y Ophiuchi | 17 47.3 -6 7 | 6.2 | 7.0 | 2937, | •b | |  
 W Sagittar. | 17 58.6 -29 35 | 5 | 6.5 | 3438, 3706 ^[[Gpec]], 5184  
 ^[[Gpec]], | •s IV | 110 |  
 T Serpentis | 18 23.9 +6 14 | 9.1 | <13.5 | 1529, 1455 | •c II | 113 |  
 V Sagittar. | 18 25.5 -18 20 | 7.6 | 8.8 | 700, 2946 | •b III | |  
 U Sagittar. | 18 260 -19 12 | 7.0 | 8.3 | 700, 2946 | •s IV | 114 |  
 A Ophiuchi | 18 33.6 +8 45 | 68 | 9? | 1529 | •a II? | 115 |  
 T Aquilae | 18 41.0 +8 38 | 8.8 | 10.0 | 646, 1710 | •a III |  
 K Pavonis | 18 46.6 -67 21 | 4.0 | 5.5 | 3907, 5284 ^G with ultraviolet  
 hydro, lines ~~[[symbol]]~~ | ~~[[strike through]]~~ b ~~[[strike through]]~~ s IV | |  
 S Cor. Austr | 18 54.4 -37 5 | <9.5 | 13.0 | | •c ~~[[strike through]]~~ s  
~~[[strike through]]~~ IV ? | |  
 R Cor. Aus | 18 55.2 -37 5 | 9.8 | 13.2 | | •c II? | |  
 T Cor. Aus. | 18 55.3 -37 5 | 9.8 | 13.2 | | •c II | |

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Series I, Class I.  
Plates



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[[7-column table]]

Name | 1900 R.A. 1900 Dec. | Max | Min | I Plates | Class. | C. to Obs. No.

|---|---|---|---|---|---|

T Sagittar | 19 10.8 -19 29 | 7.0 | <12 | 2873, 2872 | •s II | 120  
 R Sagittar | 19 10.8 -19 29 | 7.0 | <12 | 2873, 2872 | •s II | 121  
 S Sagittar | 19 13.6 -19 13 | 9.7 | <13 | 2873, 2872 | •c II | 122  
 Z Sagittarii | 19 13.8 -21 6 | 8.5 | <12 | 2873 | •a | |  
 U Aquilae | 19 24.0 -7 15 | 6.3 | 7.3 | 2919, 2837 | •b IV | 123  
 11 Vulpec. | 19 43.5 +27 4 | 3 | ? | 1705, 764 | •a I | |  
 S Vulpec. | 19 44.3 +27 2 | 8.4 | 10.0 | 1705, 764 | •a II? | 125 ^  
 S Sagittae | 19 51.4 +16 22 | 5.6 | 6.4 | 1611, 765, 758 | •b IV | 128  
 Z Cygni | 19 58.6 +49 46 | 7? | 14? | 1719, 2887, 2715, 2956 | •a II | |  
 R Cephei | 19 58.9 +88 50 | 5? | 10? | 2631 | •a II? | |  
 S Cygni | 20 3.4 +57 42 | 8.8 | <13 | | •a II | 129 ^  
 R Capric. | 20 5.7 -14 34 | 8.8 | <13 | 2880, 2938, 2925. | •a II | 130 ^  
 S Aquilae | 20 7.0 +15 19 | 8.4 | 11.8 | 1706, 765, 2816. | •a II | 131  
 W Capric | 20 8.6 -22 17 | 11? | 14? | 2969 | •c II | 132  
 R Sagittae | 20 9.5 +16 25 | 8.5 | 10.4 | 1706, 765, 2816 | •a II? | 133  
 R S Cygni | 20 9.8 +38 25 | 6.5? | 9.0? | 702, 1592, 2911 | •a | |  
 R Delphini | 20 10.5 +8 47 | 7.6 | 12.8 | 1762 | •a II | 134 ^  
 V Cygni | 20 38.1 +47 47 | 6.8 | 13.5 | 1661, 2835, 2991 | •a II | 136 ^  
 S Delphini | 20 38.5 +16 44 | 8.4 | 12.0 | 1706, 2910 | •a II | 137 ^  
 T Delphini | 20 40.7 +16 2 | 8.2 | <13 | 1706, 2910 | •a II | 139 ^  
 U Delphini | 20 40.9 +17 41 | 6.4 | 7.3 | 1706, 2910 | •b | |  
 U Capric | 20 42.6 -15 9 | 10.2 | <13 | 2947, 2938 | •c II | 140  
 R R Cygni | 20 42.6 +44 30 | 8? | 9.5? | 2752 | •a III | |  
 T Aquarii | 20 44.7 -5 31 | 6.7 | 13 | 789, 2948, 2955 | •a II | 141 ^  
 Y Cygni | 20 48.0 +34 17 | 7.1 | 7.9 | 807, 739 | •b V | 143  
 R Vulpec | 20 59.9 +23 25 | 7.5 | 13.6 | 2910, 1815 | •a II | 144 ^  
 V Capric | 21 1.8 -24 19 | 9.5? | 14? | 3060 | •c II | 145  
 X Capric | 21 28 -21 45 | 11.5? | <14 | 3060 | •c II | 146  
 T Capric | 21 16.5 -15 35 | 8.9 | <13 | 3060, 2926, 2891, 2936 | •a II | 148 ^  
 Y Capricorni | 21 28.9 -14 25 | 10? | 14? | 2926, 1855, 2891, 2936 | •c | |

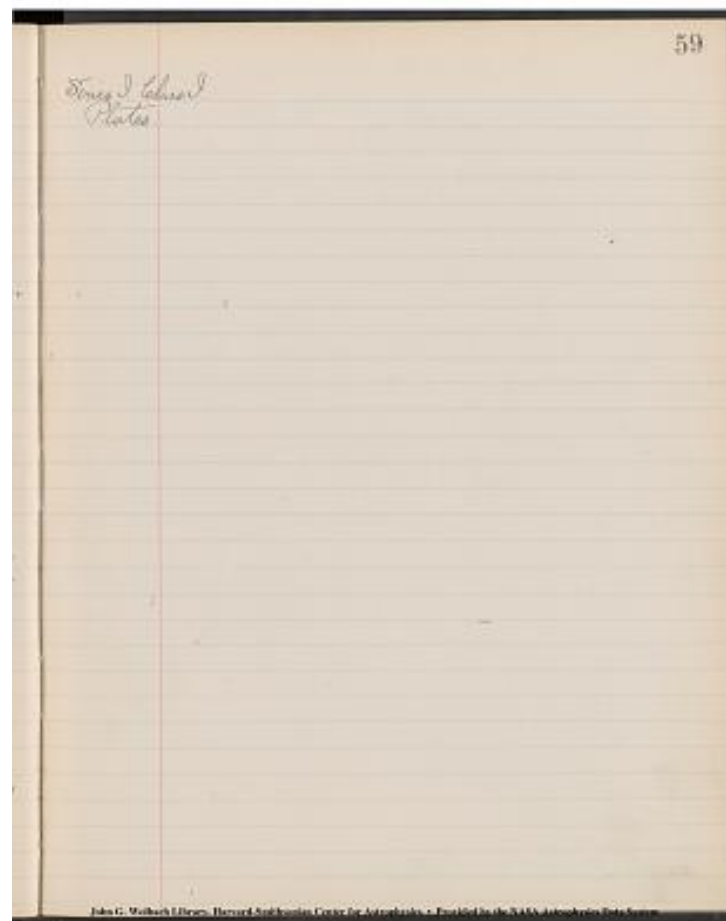
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Name	R.A.	Dec.	Max	Min	I Plates	Class.	C. to Obs. No.
T Sagittar	19 10.8	-19 29	7.0	<12	2873, 2872	•s II	120
R Sagittar	19 10.8	-19 29	7.0	<12	2873, 2872	•s II	121
S Sagittar	19 13.6	-19 13	9.7	<13	2873, 2872	•c II	122
Z Sagittarii	19 13.8	-21 6	8.5	<12	2873	•a	
U Aquilae	19 24.0	-7 15	6.3	7.3	2919, 2837	•b IV	123
11 Vulpec.	19 43.5	+27 4	3	?	1705, 764	•a I	
S Vulpec.	19 44.3	+27 2	8.4	10.0	1705, 764	•a II?	125
S Sagittae	19 51.4	+16 22	5.6	6.4	1611, 765, 758	•b IV	128
Z Cygni	19 58.6	+49 46	7?	14?	1719, 2887, 2715, 2956	•a II	
R Cephei	19 58.9	+88 50	5?	10?	2631	•a II?	
S Cygni	20 3.4	+57 42	8.8	<13		•a II	129
R Capric.	20 5.7	-14 34	8.8	<13	2880, 2938, 2925.	•a II	130
S Aquilae	20 7.0	+15 19	8.4	11.8	1706, 765, 2816.	•a II	131
W Capric	20 8.6	-22 17	11?	14?	2969	•c II	132
R Sagittae	20 9.5	+16 25	8.5	10.4	1706, 765, 2816	•a II?	133
R S Cygni	20 9.8	+38 25	6.5?	9.0?	702, 1592, 2911	•a	
R Delphini	20 10.5	+8 47	7.6	12.8	1762	•a II	134
V Cygni	20 38.1	+47 47	6.8	13.5	1661, 2835, 2991	•a II	136
S Delphini	20 38.5	+16 44	8.4	12.0	1706, 2910	•a II	137
T Delphini	20 40.7	+16 2	8.2	<13	1706, 2910	•a II	139
U Delphini	20 40.9	+17 41	6.4	7.3	1706, 2910	•b	
U Capric	20 42.6	-15 9	10.2	<13	2947, 2938	•c II	140
R R Cygni	20 42.6	+44 30	8?	9.5?	2752	•a III	
T Aquarii	20 44.7	-5 31	6.7	13	789, 2948, 2955	•a II	141
Y Cygni	20 48.0	+34 17	7.1	7.9	807, 739	•b V	143
R Vulpec	20 59.9	+23 25	7.5	13.6	2910, 1815	•a II	144
V Capric	21 1.8	-24 19	9.5?	14?	3060	•c II	145
X Capric	21 28	-21 45	11.5?	<14	3060	•c II	146
T Capric	21 16.5	-15 35	8.9	<13	3060, 2926, 2891, 2936	•a II	148
Y Capricorni	21 28.9	-14 25	10?	14?	2926, 1855, 2891, 2936	•c	

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Series I. Class I.  
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[[7-column table]]

Name | 1900 R.A. | 1900 Dec. | Max | Min | I Plates | Class. | C. to Obs.  
No.

|---|---|---|---|---|---|---|

S Cephei | 21 ^[[h]] 36.5 ^[[m]] +78° 10' | 7.4 ^[[m]] | 11.5 | | •a II | 150  
^[[m]]

- Cygni | 21 37.8 +42 23 | 3 | 13.5 | 1662, 1862 | •a I | |

U Aquarii | 21 57.9 -17 16 | 10? 14? | 1855, | •c II | |

T Pegasi | 22 4.0 +12 3 | 8.5 ^[[m]] | &lt;13 | 3079, 1803, | •a II | 151 ^[[m]]

R Pis. Austr | 22 12.3 -30 6 | 5.7? | &lt;11? | | •s II | |

R Indi | 22 28.9 -67 48 | 9? | 11? | | •c II? | |

R Lacertae | 22 38.8 +41 51 | 8.6 ^[[m]] | &lt;13.5 | 3202, 3275, 3285, 1909 | •a II | 153 ^[[m]]

S Aquarii | 22 51.7 -20 53 | 7.7 | &lt;12.5 | 2940, 3061, 1744, 1794. | •s II | 154

R Pegasi | 23 1.6 +10 0 | 6.9 ^[[m]] | &lt;13 | 1845, 1884, 1846, 1886. | •a II | 155 ^[[m]]

S Pegasi | 23 15.5 +8 22 | 7.3 | &lt;13 | 1845, 1884 | •a II | 156

R Phoenicis | 23 51.3 -50 21 | 8.5? | 11? | | •s II | |

V Ceti | 23 52.8 -9 31 | 9.7? | 14? | 2958, 2008, 3064. | •c II | 158

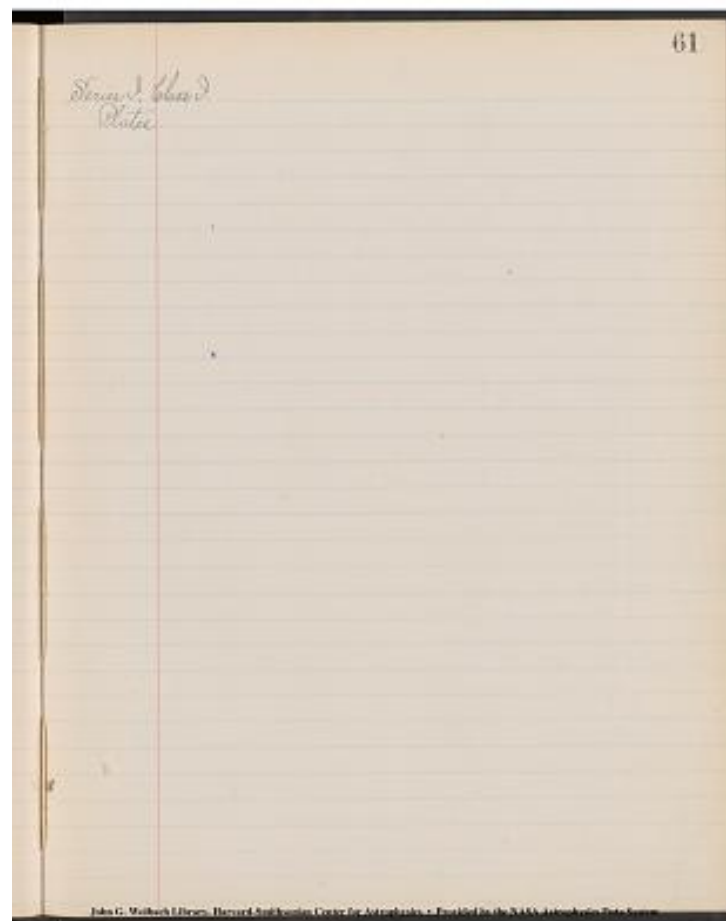
[[stamp]] John G. Wolbach Library, Harvard-Smithsonian Center for  
Astrophysics • Provided by the NASA Astrophysics Data System  
[[/stamp]]

Name	1900 R.A.	1900 Dec.	Max	Min	I Plates	Class.	C. to Obs.
S Cephei	21 36.5 +78 10		7.4	11.5		•a II	150
- Cygni	21 37.8 +42 23		3	13.5	1662, 1862	•a I	
U Aquarii	21 57.9 -17 16		10?	14?	1855,	•c II	
T Pegasi	22 4.0 +12 3		8.5	<13	3079, 1803,	•a II	151
R Pis. Austr	22 12.3 -30 6		5.7	<11?		•s II	
R Indi	22 28.9 -67 48		9?	11?		•c II?	
R Lacertae	22 38.8 +41 51		8.6	<13.5	3202, 3275, 3285, 1909	•a II	153
S Aquarii	22 51.7 -20 53		7.7	<12.5	2940, 3061, 1744, 1794	•s II	154
R Pegasi	23 1.6 +10 0		6.9	<13	1845, 1884, 1846, 1886	•a II	155
S Pegasi	23 15.5 +8 22		7.3	<13	1845, 1884	•a II	156
R Phoenicis	23 51.3 -50 21		8.5?	11?		•s II	
V Ceti	23 52.8 -9 31		9.7?	14?	2958, 2008, 3064	•c II	158

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Series I. Class I.  
Plates



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See also Astron. Nach. Vol. 127 p. 369

See also Eng. Mech.

Gore's List of Binary Stars

[[9-column table]]

No. | Star | R.d. [[1890]] | Dec. [[1890]] | Magn | Spec. | D.C. No. | Sp. |

Rem

|---|---|---|---|---|---|---|---|

1 | sigma 3062 | 0 0.5 | +37 49 | 6.9, 8 | II Pec.' | | | |  
 2 | omicron sigma 4 | 0 11.0 | +35 52 | 7.4, 8.1 | I | | | |  
 3 | eta Cassiopeiae | 0 42.5 [[4]] | +57 14 | 4, 7.6 | II | 375 | E | - |  
 4 | omicron sigma 20=66 Pis. | 0 48.8 | +18 36 | 5.9 7.0 | I | | | |  
 5 | 36 Andromedae | 0 49.1 | +23 2 | 6.2 6.9 | II Pec. | 452 | M? | - |  
 6 | p Eridani | 1 35.6 | -56 45 | 6 6 | .. | | | |  
 7 | sigma 228 | 2 7.0 | +46 59 | 6.7 7.6 | II | 536 | F | - |  
 8 | 40 Eridani (BC) | 4 10.2 | -7 50 | 9 11 | .. | 780 | H? | - |  
 9 | 14(i) Orionis | 5 1.9 | +8 21 | 6 6.8 | I | | | |  
 10 | omicron sigma 149 | 6 29.6 | +29 22 | 6.5 | 9.0 | II | | |  
 11 | 12 Lyucis (AB) | 6 36.5 | +59 33 | 5.2 6.1 | I | | | |  
 12 | Sirius | 6 40.3 | -16 34 | 1, 10 | I | 3797 | A? | ^[[?]] - |  
 13 | sigma 1037 | 7 6.0 | +27 26 | 7.1 7.1 | II | 4052 | F | ^[[?]] - |  
 14 | ~~[[?]]~~ a ~~[[?]]~~ ^[[alpha]] Geminorum [[?]] | 7  
 27.6 | +32 8 | 2 1/2 3 1/2 | | 4247 [[4248]] | A | ^[[?]] - |  
 15 | zeta Cancri (aB) ^[[Castor]] | 8 5.9 | +17 59 | 5 5.7 | I | 4500 | F |  
 ^[[?]] beta, gamma, |  
 16 | sigma 3121 | 9 11.4 | +29 2 | 7.5 7.8 | II | 4960 | E | - |  
 17 | omega Leonis | 9 22.6 | +9 32 | 6.2 7 | I | 5042 | E | ^[[?]] - |  
 18 | ~~[[?]]~~ o ~~[[?]]~~ Majoris = omicron sigma  
 208 | 9 44.6 | +54 35 | 5 5.6 | I | 5197 | A | ^[[?]] - |  
 19 | gamma Leonis | 10 13.9 | +20 24 | 2 3.5 | II | 5331 [[5332]] | K |  
 ^[[?]] beta |  
 20 | xi [[?]] Majoris | 11 12.3 | +32 9 | 4 5.5 | II Pec'. | 5684 [[5685]] | G |  
 delta, beta, delta |  
 21 | omicron sigma 234 | 11 24.9 | +41 55 | 7 7.4 | II | 5784 | E | - |  
 22 | omicron sigma 235 | 11 16.1 | +61 40 | 6 7.3 | II | 5794 | F | ^[[?]] - |  
 23 | gamma Virginie | 12 36.1 | -0 51 | 3 3 | Ia! | 6202 [[6203]] | F |  
 ^[[?]] - |  
 24 | 42 Comal Berenies | 13 4.6 | +18 7 | 6 6 | II | 6358 [[6359]] | F |  
 ^[[?]] beta, delta, gamma |  
 25 | sigma 1757 | 13 28.7 | +0 15 | 7.8 8.9 | II | | | |  
 26 | 25 Can. Venat. | 13 32.6 | +36 51 | 5 7.6 | I | 6515 | A | ^[[?]] delta  
 27 | sigma 1819 | 14 9.8 | +3 38 | 7.9 8 | II? | | | |  
 28 | ~~[[?]]~~ a ~~[[?]]~~ ^[[alpha]] Centauri | 14 32.2 | -60  
 23 | 1 3 1/2 | II Pec! | | | |

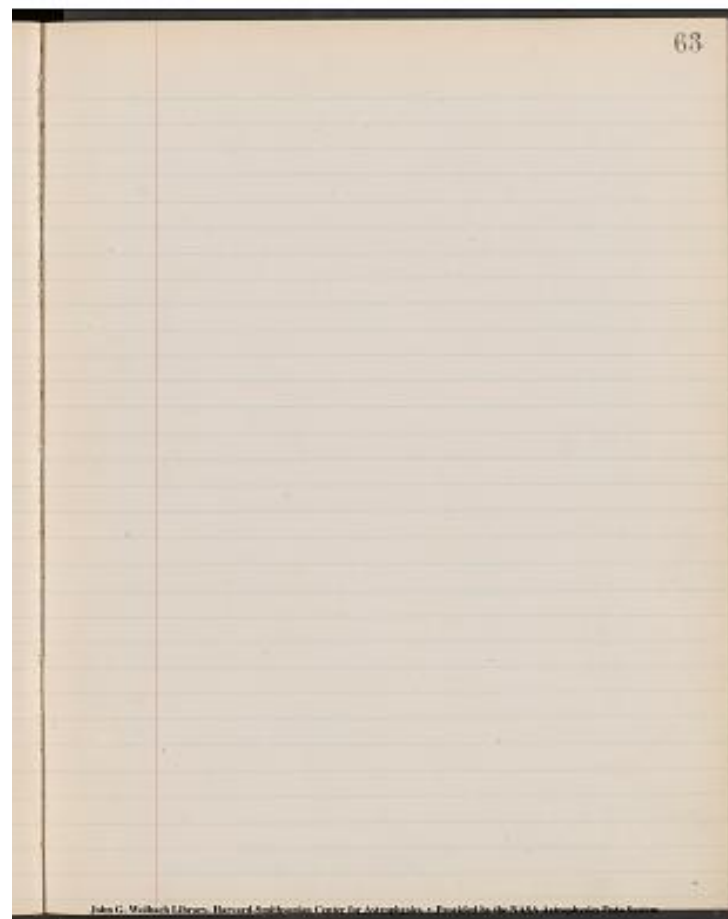
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*See also Astron. Nach. Vol. 127 p. 369*  
*See also Eng. Mech.*  
*Gore's List of Binary Stars*

No.	Star	R.d.	Dec.	Magn.	Spec.	D.C. No.	Sp.
1	sigma 3062	0 0.5	+37 49	6.9, 8	II Pec'		
2	omicron sigma 4	0 11.0	+35 52	7.4, 8.1	I		
3	eta Cassiopeiae	0 42.5 [[4]]	+57 14	4, 7.6	II	375	E   -
4	omicron sigma 20=66 Pis.	0 48.8	+18 36	5.9 7.0	I		
5	36 Andromedae	0 49.1	+23 2	6.2 6.9	II Pec.	452	M?   -
6	p Eridani	1 35.6	-56 45	6 6	..		
7	sigma 228	2 7.0	+46 59	6.7 7.6	II	536	F   -
8	40 Eridani (BC)	4 10.2	-7 50	9 11	..	780	H?   -
9	14(i) Orionis	5 1.9	+8 21	6 6.8	I		
10	omicron sigma 149	6 29.6	+29 22	6.5   9.0	II		
11	12 Lyucis (AB)	6 36.5	+59 33	5.2 6.1	I		
12	Sirius	6 40.3	-16 34	1, 10	I	3797	A?   ^[[?]] -
13	sigma 1037	7 6.0	+27 26	7.1 7.1	II	4052	F   ^[[?]] -
14	<del>[[?]]</del> a <del>[[?]]</del> ^[[alpha]] Geminorum [[?]]	7					
27.6	+32 8   2 1/2 3 1/2			4247 [[4248]]	A	^[[?]] -	
15	zeta Cancri (aB) ^[[Castor]]	8 5.9	+17 59	5 5.7	I	4500	F
	^[[?]] beta, gamma,						
16	sigma 3121	9 11.4	+29 2	7.5 7.8	II	4960	E   -
17	omega Leonis	9 22.6	+9 32	6.2 7	I	5042	E   ^[[?]] -
18	<del>[[?]]</del> o <del>[[?]]</del> Majoris = omicron sigma						
208	9 44.6   +54 35	5 5.6	5197	A	^[[?]] -		
19	gamma Leonis	10 13.9	+20 24	2 3.5	II	5331 [[5332]]	K
	^[[?]] beta						
20	xi [[?]] Majoris	11 12.3	+32 9	4 5.5	II Pec'.	5684 [[5685]]	G
	delta, beta, delta						
21	omicron sigma 234	11 24.9	+41 55	7 7.4	II	5784	E   -
22	omicron sigma 235	11 16.1	+61 40	6 7.3	II	5794	F   ^[[?]] -
23	gamma Virginie	12 36.1	-0 51	3 3	Ia!	6202 [[6203]]	F
	^[[?]] -						
24	42 Comal Berenies	13 4.6	+18 7	6 6	II	6358 [[6359]]	F
	^[[?]] beta, delta, gamma						
25	sigma 1757	13 28.7	+0 15	7.8 8.9	II		
26	25 Can. Venat.	13 32.6	+36 51	5 7.6	I	6515	A   ^[[?]] delta
27	sigma 1819	14 9.8	+3 38	7.9 8	II?		
28	<del>[[?]]</del> a <del>[[?]]</del> ^[[alpha]] Centauri	14 32.2	-60				
23	1 3 1/2	II Pec!					

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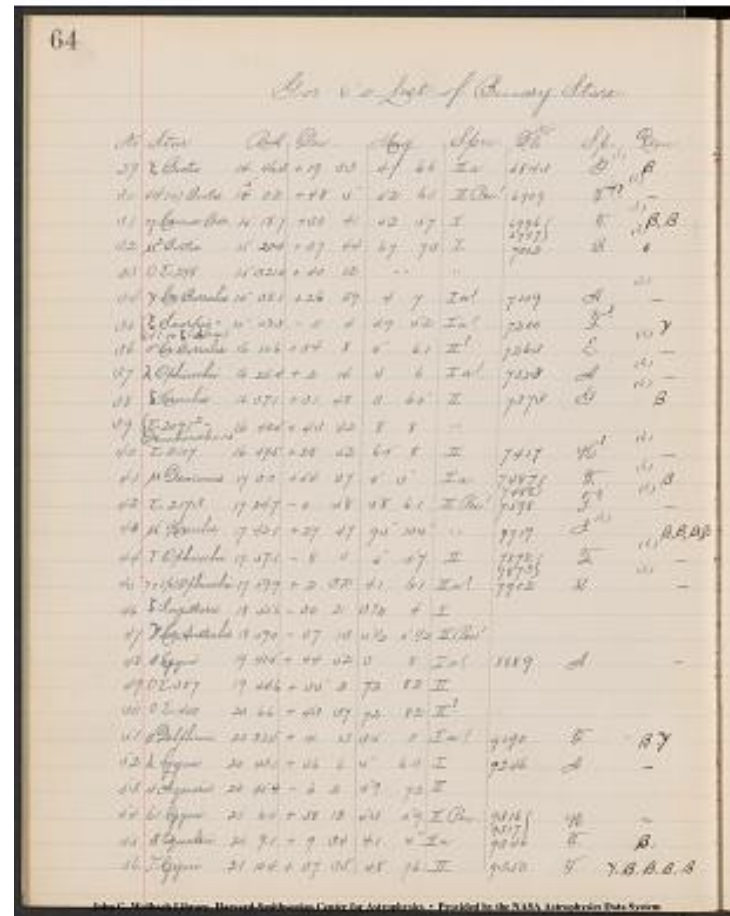
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## G or E's List of Binary Stars.

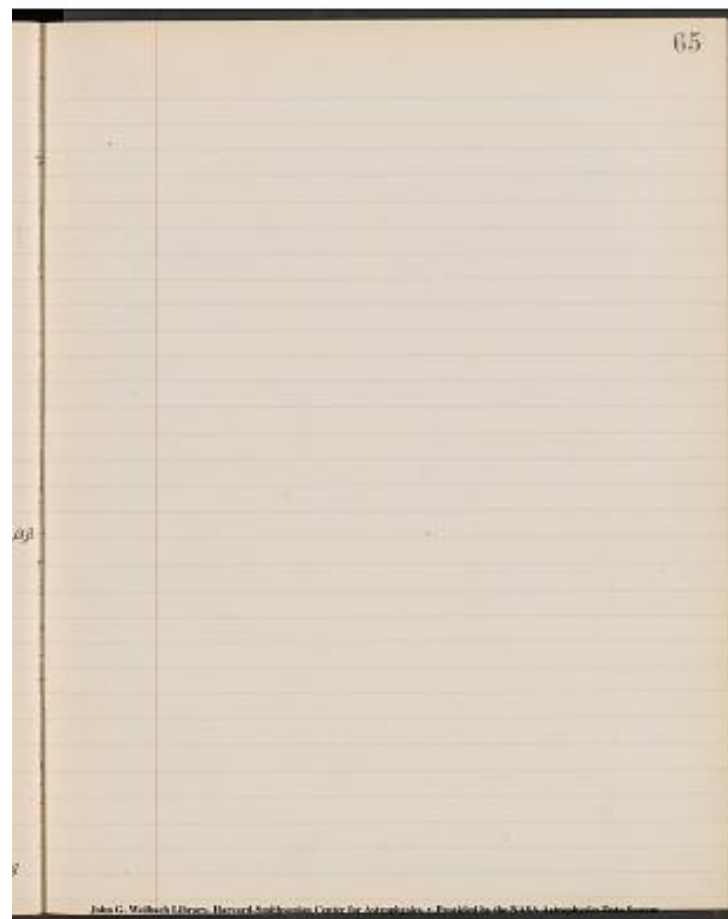
[[9 columns]]

No.	Star	R.A.	Dec.	Mag.	Spec.	D.C. <sup>a</sup> [[No]]	Sp.	Rem.
---	---	---	---	---	---	---	---	---

29 Xi Bootis | 14. 46.3 | +19 33 | 4.7 6.6 | II a | 6843 | G? | Beta |  
 30 44 (i) Bootis | 1~~[[strikethrough]]~~4~~[[strikethrough]]~~ | 5 0.2 | +48 5 | 5.2  
 6.1 | II pec! 6909 | F? | - |  
 31 Eta Corouis Bor. | 15 18.4 | +30 41 | 5.2 6.1 | I | {6996 | 6997 | F (?) |  
 Beta, Beta |  
 32 Mu, Bootis | 15 20.3 | +34 44 | 6.7 7.3 | I | 7002 | B (?) | Epsilon |  
 33 Omicrom Epsilon. 298 | 15 32.0 | +40 12 | ... | ... | ... |  
 34 Gamma Cor. Borealis | 15 38.1 | +26 39 | 4 7 | Ia! | 7109 | Eta | - |  
 35 Xi Scorpii = | 15 58.3 | -11 4 | 4.9 5.2 | Ia! | 7200 | v (?) F | Gamma |  
 35 (5) or Xi Librae) | | | | | | | | |  
 36 Sigma Cor. Borealis | 16 10.6 | +34 8 | 5 6.1 | II | 7263 | E | (?) - |  
 37 Gamma Ophiuchi | 16 25.4 | +2 14 | 4 6 | Ia! | 7323 | Eta | (?) - |  
 38 Zeta Herculis | 16 37.1 | +31 48 | 3 6.5 | II | 7373 | G | (?) Beta |  
 39 | Epsilon 2091<sup>[[^2]]</sup> | 16 40.5 | +43 42 | 8 8 | .. | | | |  
 39 | Deinbowski 15 | | | | | | | | |  
 40 Epsilon 2107 | 16 47.5 | +28 52 | 6 5 8 | III | 7414 | H? |  
 41 Mu Dracouis | 17 3.0 | +54 37 | 5 5 | Ia | 7487 | 7488 | F. | (?) Beta |  
 42 E. 2173 | 17 24.7 | -0 58 | 5 8 6.1 | II Pec? | 7598 | F? | B, B, B, B  
 43 Mu Hercules | 17 42.1 | +27 47 | 9 5 10.5 | .. | 7719 | d? | B, B, B,  
 B  
 44 T Ophiuchi | 17 57.1 | -8 11 | 5 5.7 | II | 7872, 7873 | F | (?) - |  
 45 [[70?]] (p) Ophiuchi | 17 59.9 | +2 32 | 4.1 6.1 | IIa! | 7902 | K | - |  
 46 Zeta Sagittarii | 18 55.6 | -30 2 | 3 1/2 4 | I | | | |  
 47 Gamma for? Australis | 18 59.0 | -37 13 | 5 1/2 5 1/2 | II Pec' | | | |  
 48 Delta Cygni | 19 41.5 | +44 52 | 3 8 | Ia! | 8889 | A | - |  
 49 Omicron Sigma 387 | 19 44.6 | +35 2 | 7.2 8.2 | II | | | |  
 50 Omicron Sigma 400 | 20 6.6 | +43 37 | 7.2 8.2 | II? | | | |  
 51 Beta Delphini? | 20 32.5 | +14 13 | 3.5 11 | Ia! | 9190 | F | Beta  
 Gamma |  
 52 Lambda Cygni? | 20 43.1 | +36 6 | 5 6.3 | I | 9246 | A | - |  
 53 4 Aquarii | 20 45.4 | -6 2 | 5.9 7.2 | II | | | |  
 54 61 Cygni | 21 2.0 | +38 12 | 5.3 5.9 | II Pec | 9316, 9317 | H | - |  
 55 Delta Equulei? | 21 9.1 | +9 34 | 4.1 5 | IIa | 9346 | F | Beta |  
 56 Tau Cygni? | 21 10.4 | +37 35 | 48 7.6 | II | 9350 | F | Gamma, Beta,  
 Beta, Beta, Beta |



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## Gore's List of Binary Stars

[[9-Columned Table]]

No. | Star | RA | Dec. | Mag. | Spec. | D.C.. | Spec. | [[?]]

---|---|---|---|---|---|---|---|---

57 | Aquarii | 22 23.2 | -0 35 | 4 4.1 | Ia? IIa | 9799 9800 | F? | y,y,

58 | {OEpsilon 489 = 213 Pi [[Cephee?]] 44 | +74 48 | 5.2 7.5 | II Pec. | 10059 | yC? | -

59 | 85 Pegasi 23 56.4 | +26 30 | 6 11 | .. | 10463 | E | -

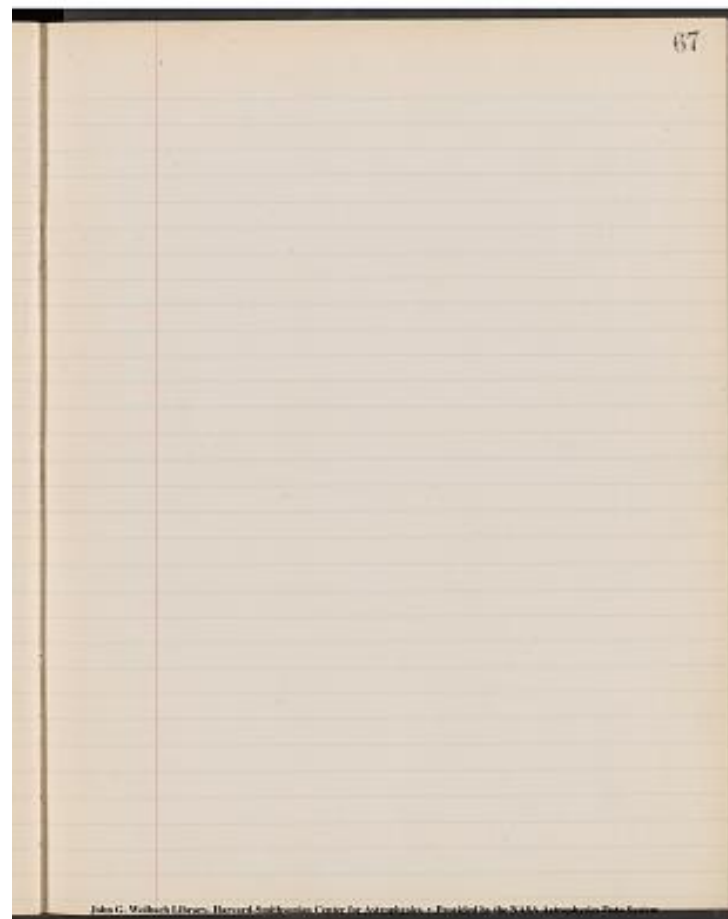
66

*Gore's List of Binary Stars*

No.	Star	RA	Dec.	Mag.	Spec.	D.C..	Spec.	[[?]]
57	Aquarii	22 23.2	-0 35	4 4.1	Ia? IIa	9799 9800	F?	y,y,
58	{OEpsilon 489 = 213 Pi [[Cephee?]]	44	+74 48	5.2 7.5	II Pec.	10059	yC?	-
59	85 Pegasi	23 56.4	+26 30	6 11	..	10463	E	-

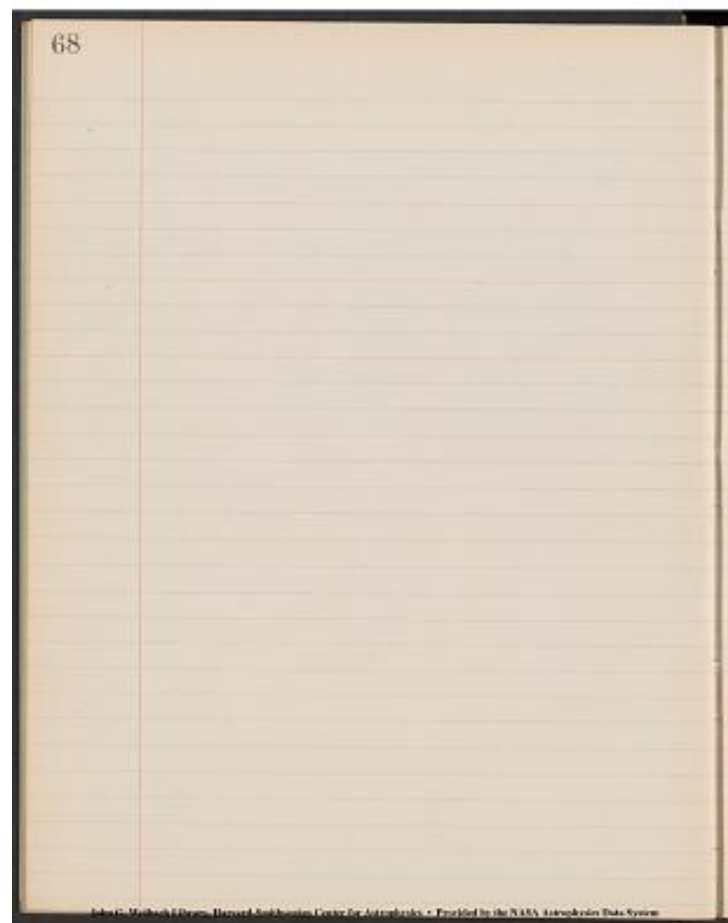
John G. M. Draper, Harvard-Smithsonian Center for Astrophysics. Provided by the NASA Astrophysics Data System

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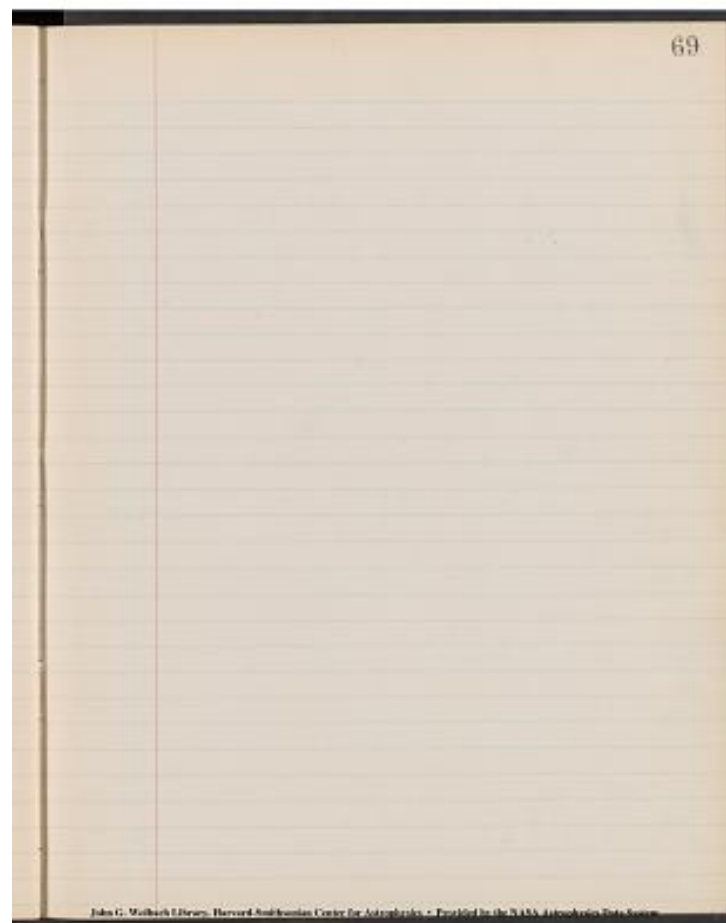


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[[Discordant Cases in Vogel]]

[[8 columns]]

| D.C. No. | R.A. | 1900 Dec. | D.C. (to near. half Mag) Magn. | DC. Cl. |  
Vogel Cl. | 2nd Est. Cl. | Plate Nos. |

|---|---|---|---|---|---|

2103	3h 37.2m	+8° 20'	6.5	A?	IIIa?	D A	958
3146	5 29.0	-1 32	6.0	A	IIa? IIIa	v Ma	1851
3961	6 56.6	+17 53	6.5	A	IIIa!!!	v Ma	2073
5019	9 19.1	+18 8	7.0	A	IIa? IIIa	v H.	2320
7064	15 31.8	+15 26	6.5	A	IIIa!!!	A. Wrong Indent.	2681
9109	20 14.8	+12 56	6.0	A	IIa? IIIa	Ma U.F. 1706	1608
7846	17 55.7	+2 56	4.0	B	IIa	DB	1483
13	6.0	[Ie??]	IIIa	M? image faint	U.F. 1529	3168	
416	0 46.3	+12 14	7.0	[E?]	I	D F? {Image very faint}	U.F. 1886

889	1 31.5	+7 20	6.5	[E?]	IIIa	v Ma	2155
1678	2 50.2	+17 55	7.0	[E??]	IIIa!!!	v Mb	2079
3261	5 38.2	+6 51	7.0	[E??]	I	v A	1103
3290	5 41.4	+1 9	6.5	[E??]	I	D G	1103
196	0 25.0	+4 18	6.5	F	I	D F	2981
944	1 37.1	+19 49	6.0	F	I	D G	1874
3839	6 45.6	+15 12	6.0	F?	IIIa?	no plate	
6734	14 23.1	-1 47	5.5	G	Ia	DG	2375
26	0 3.7	+7 28	7.0	H	IIIa?	A	1610
74	0 9.4	+19 39	6.0	H	IIIa!	DV Ma?	3204
114	0 12.8	+12 13	7.0	H	I	D (image very poor near edge of	
plate)	1735						
221	0 27.3	+19 45	6.5	H	Ia	D Ka	3233
326	0 37.6	+16 7	6.5	H	Ia	D Kb?	1735
384	0 43.6	+17 47	7.0	H?	Ia	v A (image very faint)	3233
648	1 6.2	+9 46	6.5	H	Ia	D [y?]	2155-961
743	1 16.1	+11 1	6.5	H?	Ia	D F	2155
863	1 29.4	+17 57	6.5	H	IIIa!	D Kb?	1874
1221	2 5.1	+19 1	6.0	H	IIIa!	Ma	2982
1344	2 16.8	-0 4	6.0	H	IIIa!!	D Kb?	1738
1380	2 20.2	+11 32	6.5	H?	Ia	no plate	
1416	2 24.2	+9 7	6.5	H	Ia	D Kb	902

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*Discordant Cases*

Star No.	R.A.	Dec.	Magn.	DC. Cl.	2nd Est. Cl.	Plate Nos.
2103	3h 37.2m	+8° 20'	6.5	A?	IIIa?	D A   958
3146	5 29.0	-1 32	6.0	A	IIa? IIIa	v Ma   1851
3961	6 56.6	+17 53	6.5	A	IIIa!!!	v Ma   2073
5019	9 19.1	+18 8	7.0	A	IIa? IIIa	v H.   2320
7064	15 31.8	+15 26	6.5	A	IIIa!!!	A. Wrong Indent.   2681
9109	20 14.8	+12 56	6.0	A	IIa? IIIa	Ma U.F. 1706   1608
7846	17 55.7	+2 56	4.0	B	IIa	DB   1483   8216   18 27.7   +4
13	6.0	[Ie??]	IIIa	M? image faint	U.F. 1529	3168
416	0 46.3	+12 14	7.0	[E?]	I   D F?	{Image very faint}   U.F. 1886
889	1 31.5	+7 20	6.5	[E?]	IIIa	v Ma   2155
1678	2 50.2	+17 55	7.0	[E??]	IIIa!!!	v Mb   2079
3261	5 38.2	+6 51	7.0	[E??]	I   v A	1103
3290	5 41.4	+1 9	6.5	[E??]	I   D G	1103
196	0 25.0	+4 18	6.5	F	I   D F	2981
944	1 37.1	+19 49	6.0	F	I   D G	1874
3839	6 45.6	+15 12	6.0	F?	IIIa?	no plate
6734	14 23.1	-1 47	5.5	G	Ia	DG   2375
26	0 3.7	+7 28	7.0	H	IIIa?	A   1610
74	0 9.4	+19 39	6.0	H	IIIa!	DV Ma?   3204
114	0 12.8	+12 13	7.0	H	I   D	(image very poor near edge of plate)   1735
221	0 27.3	+19 45	6.5	H	Ia	D Ka   3233
326	0 37.6	+16 7	6.5	H	Ia	D Kb?   1735
384	0 43.6	+17 47	7.0	H?	Ia	v A (image very faint)   3233
648	1 6.2	+9 46	6.5	H	Ia	D [y?]   2155-961
743	1 16.1	+11 1	6.5	H?	Ia	D F   2155
863	1 29.4	+17 57	6.5	H	IIIa!	D Kb?   1874
1221	2 5.1	+19 1	6.0	H	IIIa!	Ma   2982
1344	2 16.8	-0 4	6.0	H	IIIa!!	D Kb?   1738
1380	2 20.2	+11 32	6.5	H?	Ia	no plate
1416	2 24.2	+9 7	6.5	H	Ia	D Kb   902

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[[2-column table]]

D.C. No. Plates | D.C. Obs. Br.

1	7.3-7.3
1	6.6 6.8
1	6.9 6.8
1	7.2 7.4
1	6.9 7.0
2	6.9, 7.0
5	6.2, 5.7, 5.1, 4.5, 5.9
1	6.6, 6.8
2	7.5, 6.7
1	7.0, 7.0
2	6.9, 7.1
1	7.3 7.3
1	7.1, 7.0
1	6.4, 6.5
3	6.8, 6.4, 6.2
1	7.1, 6.8
2	6.2 6.1
1	7.2 7.1
3	6.6, 6.4, 6.7
1	6.9, 7.0
2	6.6, 6.5
1	6.8, 6.8
1	7.0, 7.0
1	7.2, 6.9
2	7.3, 7.0
1	7.0, 6.8
1	6.5-6.4
1	6.8, 6.7
1	7.3, 7.2
2	7.0, 7.0

D.C. No. Plates	D.C. Obs. Br.
1	7.3-7.3
1	6.6 6.8
1	6.9 6.8
1	7.2 7.4
1	6.9 7.0
2	6.9, 7.0
5	6.2, 5.7, 5.1, 4.5, 5.9
1	6.6, 6.8
2	7.5, 6.7
1	7.0, 7.0
2	6.9, 7.1
1	7.3 7.3
1	7.1, 7.0
1	6.4, 6.5
3	6.8, 6.4, 6.2
1	7.1, 6.8
2	6.2 6.1
1	7.2 7.1
3	6.6, 6.4, 6.7
1	6.9, 7.0
2	6.6, 6.5
1	6.8, 6.8
1	7.0, 7.0
1	7.2, 6.9
2	7.3, 7.0
1	7.0, 6.8
1	6.5-6.4
1	6.8, 6.7
1	7.3, 7.2
2	7.0, 7.0

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[[7 columns]]

|| D.C. No. | R.A 1900 | Dec. 1900 | D.C. Magn. | D.C. Cl. | Vogel Cl. | 2nd  
Est Cl. | Plate Nos. ||

-----|-----|-----|-----|-----|-----|-----|

1606[2^[[h]]][4.18^[[m]]]+18^ 59|7.0|H||a|F|2156|  
1669|2 49.3 +17 20|6.5|H?|la|v A|2079 |  
1677|2 49.9 +3 5|6.5|H||a|v A|2137 |  
1999|3 25.4 +5 51|6.5|H||a|D |I958 |  
2525|4 22.7 +16 8 |6.5|H||a|D |K?|183 |  
2710|4 46.2 +9 49|6.0|H||a|v A|2227|  
2714|4 46.9 +14 5 |6.5|H||a|v M|251,983|  
3034|5 19.4 -0 59|6.0|H||b|D K|1098|  
3110|5 26.3 +18 32|6.0|H||a|D |DvMa|2139|  
3325|5 45.3 +2 0|6.0|H||F|Hydrogen Lines double|1103|  
4574|8 20.5 +7 53|6.0|H||a|G|1084|  
4632|8 28.8 +8 48|6.0|H?|la|v A|  
[[strikethrough]]1252|[[strikethrough]]^1084|  
(Look up 4757|8 49.7 +17 37|6.5|H||b|b!!!!|N|  
4914|9 6.9 +15 24|6.5|H||a|G|1943|  
5028|9 20.9 +19 31|6.5|H||a|v A|2320|  
4239|9 54.5 +3 52|6.5|H||a|v A|1207|  
5466|10 37.5 +18 55|7.0|H?|la|no  
plate|[[strikethrough]]3239|[[strikethrough]]|  
5621|11 4.8 +16 26|7.0|H||a|v A|2338|  
5695|11 14.3 -1 6|6.0|H||a|F?|1296|  
6244|12 46.2 +19 43|7.0|H||a|A|2449|  
6347|13 3.8 +5 46|6.5|H||a|F|1307|  
6350|13 4.3 +10 33|6.5|H||a|D  
Ka?|[[strikethrough]]2419|[[strikethrough]]^1307 |  
6375|13 7.7 +19 17|6.5|H||a|D H?|2428|  
6400|13 11.8 +19 26|7.0|H||a|D H?|2428|  
6522|13 34.3 +18 47|7.0|H||a|D  
H|2428,[[strikethrough]]1350|[[strikethrough]]^1  
6628|13 56.8 +18 10|7.0|H?|la|D K|2364|  
6721|14 19.3 +11 42|6.5|H||a:|a? image very poor|2629|  
6856|14 50.1 +15 44|6.5|H||a| [[strikethrough]] 1388  
[[strikethrough]]  
6928|15 6.4 -1 53|6.5|H||a|vA|575,2466|  
6939|15 8.9 -0 58|6.5|H||a|F?|575,2446|

26 Feb	27 Feb	28 Feb	1 Mar	2 Mar	3 Mar	4 Mar	5 Mar	6 Mar	7 Mar	8 Mar	9 Mar	10 Mar	11 Mar	12 Mar	13 Mar	14 Mar	15 Mar	16 Mar	17 Mar	18 Mar	19 Mar	20 Mar	21 Mar	22 Mar	23 Mar	24 Mar	25 Mar	26 Mar	27 Mar	28 Mar	29 Mar	30 Mar	31 Mar	1 Apr	2 Apr	3 Apr	4 Apr	5 Apr	6 Apr	7 Apr	8 Apr	9 Apr	10 Apr	11 Apr	12 Apr	13 Apr	14 Apr	15 Apr	16 Apr	17 Apr	18 Apr	19 Apr	20 Apr	21 Apr	22 Apr	23 Apr	24 Apr	25 Apr	26 Apr	27 Apr	28 Apr	29 Apr	30 Apr	1 May	2 May	3 May	4 May	5 May	6 May	7 May	8 May	9 May	10 May	11 May	12 May	13 May	14 May	15 May	16 May	17 May	18 May	19 May	20 May	21 May	22 May	23 May	24 May	25 May	26 May	27 May	28 May	29 May	30 May	31 May	1 Jun	2 Jun	3 Jun	4 Jun	5 Jun	6 Jun	7 Jun	8 Jun	9 Jun	10 Jun	11 Jun	12 Jun	13 Jun	14 Jun	15 Jun	16 Jun	17 Jun	18 Jun	19 Jun	20 Jun	21 Jun	22 Jun	23 Jun	24 Jun	25 Jun	26 Jun	27 Jun	28 Jun	29 Jun	30 Jun	1 Jul	2 Jul	3 Jul	4 Jul	5 Jul	6 Jul	7 Jul	8 Jul	9 Jul	10 Jul	11 Jul	12 Jul	13 Jul	14 Jul	15 Jul	16 Jul	17 Jul	18 Jul	19 Jul	20 Jul	21 Jul	22 Jul	23 Jul	24 Jul	25 Jul	26 Jul	27 Jul	28 Jul	29 Jul	30 Jul	31 Jul	1 Aug	2 Aug	3 Aug	4 Aug	5 Aug	6 Aug	7 Aug	8 Aug	9 Aug	10 Aug	11 Aug	12 Aug	13 Aug	14 Aug	15 Aug	16 Aug	17 Aug	18 Aug	19 Aug	20 Aug	21 Aug	22 Aug	23 Aug	24 Aug	25 Aug	26 Aug	27 Aug	28 Aug	29 Aug	30 Aug	31 Aug	1 Sep	2 Sep	3 Sep	4 Sep	5 Sep	6 Sep	7 Sep	8 Sep	9 Sep	10 Sep	11 Sep	12 Sep	13 Sep	14 Sep	15 Sep	16 Sep	17 Sep	18 Sep	19 Sep	20 Sep	21 Sep	22 Sep	23 Sep	24 Sep	25 Sep	26 Sep	27 Sep	28 Sep	29 Sep	30 Sep	1 Oct	2 Oct	3 Oct	4 Oct	5 Oct	6 Oct	7 Oct	8 Oct	9 Oct	10 Oct	11 Oct	12 Oct	13 Oct	14 Oct	15 Oct	16 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	22 Oct	23 Oct	24 Oct	25 Oct	26 Oct	27 Oct	28 Oct	29 Oct	30 Oct	31 Oct	1 Nov	2 Nov	3 Nov	4 Nov	5 Nov	6 Nov	7 Nov	8 Nov	9 Nov	10 Nov	11 Nov	12 Nov	13 Nov	14 Nov	15 Nov	16 Nov	17 Nov	18 Nov	19 Nov	20 Nov	21 Nov	22 Nov	23 Nov	24 Nov	25 Nov	26 Nov	27 Nov	28 Nov	29 Nov	30 Nov	1 Dec	2 Dec	3 Dec	4 Dec	5 Dec	6 Dec	7 Dec	8 Dec	9 Dec	10 Dec	11 Dec	12 Dec	13 Dec	14 Dec	15 Dec	16 Dec	17 Dec	18 Dec	19 Dec	20 Dec	21 Dec	22 Dec	23 Dec	24 Dec	25 Dec	26 Dec	27 Dec	28 Dec	29 Dec	30 Dec	31 Dec
1666	2	49.8	+18.0	70	65	60	55	50	45	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45	-50	-55	-60	-65	-70	-75	-80	-85	-90	-95	-100	-105	-110	-115	-120	-125	-130	-135	-140	-145	-150	-155	-160	-165	-170	-175	-180	-185	-190	-195	-200	-205	-210	-215	-220	-225	-230	-235	-240	-245	-250	-255	-260	-265	-270	-275	-280	-285	-290	-295	-300	-305	-310	-315	-320	-325	-330	-335	-340	-345	-350	-355	-360	-365	-370	-375	-380	-385	-390	-395	-400	-405	-410	-415	-420	-425	-430	-435	-440	-445	-450	-455	-460	-465	-470	-475	-480	-485	-490	-495	-500	-505	-510	-515	-520	-525	-530	-535	-540	-545	-550	-555	-560	-565	-570	-575	-580	-585	-590	-595	-600	-605	-610	-615	-620	-625	-630	-635	-640	-645	-650	-655	-660	-665	-670	-675	-680	-685	-690	-695	-700	-705	-710	-715	-720	-725	-730	-735	-740	-745	-750	-755	-760	-765	-770	-775	-780	-785	-790	-795	-800	-805	-810	-815	-820	-825	-830	-835	-840	-845	-850	-855	-860	-865	-870	-875	-880	-885	-890	-895	-900	-905	-910	-915	-920	-925	-930	-935	-940	-945	-950	-955	-960	-965	-970	-975	-980	-985	-990	-995	-1000																																																																																										

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C  
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[[2-column table]]

D.C. No. Plates | D.C. Obs. Br. |

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1	7.2, 7.1
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1	6.8, 6.8
1	6.9, 7.2
1	7.2, 7.0
2	6.9, 6.3
1	6.7, 6.8
2	6.4, 6.6
1	6.7, 6.8
2	6.8, 6.9
1	7.0, 7.1
2	7.2, 7.4
1	7.1, 7.0
1	<u>7.1</u> , <u>7.3</u>
1	6.4, 6.5
1	7.1, 7.0
1	7.0, 6.8
1	6.4, 6.5
1	6.9, 7.1
1	7.2, 7.2
1	7.0, 7.0
1	7.0, 7.0
1	6.9, 6.8
1	7.1, 7.0
1	7.0, 7.0
1	7.1, 7.2

D.C. No. Plates	D.C. Obs. Br.
1	7.2, 7.1
1	7.0, 6.9
1	7.2, 7.1
2	6.7, 7.2
2	<u>6.8</u> , <u>6.9</u>
1	6.8, 6.8
1	6.9, 7.2
1	7.2, 7.0
2	6.9, 6.3
1	6.7, 6.8
2	6.4, 6.6
1	6.7, 6.8
2	6.8, 6.9
1	7.0, 7.1
2	7.2, 7.4
1	7.1, 7.0
1	<u>7.1</u> , <u>7.3</u>
1	6.4, 6.5
1	7.1, 7.0
1	7.0, 6.8
1	6.4, 6.5
1	6.9, 7.1
1	7.2, 7.2
1	7.0, 7.0
1	7.0, 7.0
1	6.9, 6.8
1	7.1, 7.0
1	7.0, 7.0
1	7.1, 7.2

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[8 columns]

D.C. No. | R.A 1900 | Dec. 1900 | Magn. | Cl. D.C. | Cl. Vogel | Cl. 2nd  
Est. | Plate Nos. |

|---|---|---|---|---|---|---|

7006|15<sup>h</sup>|21.4<sup>m</sup>|+19° 50'|6.5|H|Ia|F|1440|  
 7050|15 29.5|+5 4|6.0|H|Ia|vA|1471|  
 7055|15 30.1|+2 0|6.0|H?|Ia|vA|1471|  
 7093|15 35.9|+19 0|7.0|H?|Ia|vA|1440|  
 7110|15 39.1|+2 50|6.0|H|Ia|F|1471|  
 7198|15 58.8|+5 16|6.0|H|Ia|K?|1471|  
 7406|16 45.4|+15 34|6.5|H?|Ia|F|~~1372~~ 1381|  
 7420|16 49.0|-1 27|6.0|H?|Ia|vA|568|  
 7425|16 49.6|+15 48|6.5|H|Ia|F|1381|  
 7439|16 54.6|+17 51|7.0|H?|Ia|vA|~~1372~~ 1381|  
 7466|16 58.7|+14 41|6.5|H|Ia|M|1381|  
 7575|17 20.8|-1 33|6.5|H|Ia|F|13.73|  
 7590|17 23.1|+16 32|7.0|H|Ia|no plate|~~1419~~ 1419|  
 7604|17 26.2|+17 36|7.0|H|Ia|no plate|~~1419~~ 1419|  
 7764|17 47.6|+16 40|6.5|H|Ia|vA|1443,2855|  
 8185|18 25.1|+4 0|6.0|H|Ia|vA|1529|  
 8186|18 25.2|+17 57|7.0|H|Ia|vA|1595|  
 8195|18 25.7|+4 27|6.5|H|Ia|vA|1529|  
 8359|18 41.1|+11 23|6.5|H|Ia|vA|~~1712~~ 1712|  
 8361|18 41.2|+19 53|7.0|H|Ia|DH|2888|  
 8408|18 45.2|+15 49|6.0|H?|Ia|vA|1712|  
 8483|18 53.4|+1 4|6.5|H|Ia|vA|3168|  
 8484|18 53.5|+6 7|6.0|H|Ia|F|646|  
 8900|19 44.0|+11 34|6.0|H|Ia|vA|758|  
 9215|20 36.4|+17 13|6.5|H|Ia|vA|2910|  
 9417|21 21.8|+18 58|6.0|H|Ia|vA|1720|  
 9603|21 58.2|+15 18|6.5|H|Ia|vA|~~2971~~ 1803|  
 9622|22 1.2|+9 36|6.5|H|Ia|vA|~~1778~~ 3079|  
 9624|22 1.6|+4 42|6.5|H|Ia|vA|~~1778~~ 1707|  
 9726|22 13.0|-0 45|6.5|H?|Ia|F|1979|

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R.A.	Dec.	Magn.	Cl.	2nd	3rd	Plate No.
15 21.4	+19 50	6.5	H	Ia	F	1440
15 29.5	+5 4	6.0	H	Ia	vA	1471
15 30.1	+2 0	6.0	H?	Ia	vA	1471
15 35.9	+19 0	7.0	H?	Ia	vA	1440
15 39.1	+2 50	6.0	H	Ia	F	1471
15 58.8	+5 16	6.0	H	Ia	K?	1471
16 45.4	+15 34	6.5	H?	Ia	F	<del>1372</del> 1381
16 49.0	-1 27	6.0	H?	Ia	vA	568
16 49.6	+15 48	6.5	H	Ia	F	1381
16 54.6	+17 51	7.0	H?	Ia	vA	<del>1372</del> 1381
16 58.7	+14 41	6.5	H	Ia	M	1381
17 20.8	-1 33	6.5	H	Ia	F	13.73
17 23.1	+16 32	7.0	H	Ia	no plate	<del>1419</del> 1419
17 26.2	+17 36	7.0	H	Ia	no plate	<del>1419</del> 1419
17 47.6	+16 40	6.5	H	Ia	vA	1443,2855
18 25.1	+4 0	6.0	H	Ia	vA	1529
18 25.2	+17 57	7.0	H	Ia	vA	1595
18 25.7	+4 27	6.5	H	Ia	vA	1529
18 41.1	+11 23	6.5	H	Ia	vA	<del>1712</del> 1712
18 41.2	+19 53	7.0	H	Ia	DH	2888
18 45.2	+15 49	6.0	H?	Ia	vA	1712
18 53.4	+1 4	6.5	H	Ia	vA	3168
18 53.5	+6 7	6.0	H	Ia	F	646
19 44.0	+11 34	6.0	H	Ia	vA	758
20 36.4	+17 13	6.5	H	Ia	vA	2910
21 21.8	+18 58	6.0	H	Ia	vA	1720
21 58.2	+15 18	6.5	H	Ia	vA	<del>2971</del> 1803
22 1.2	+9 36	6.5	H	Ia	vA	<del>1778</del> 3079
22 1.6	+4 42	6.5	H	Ia	vA	<del>1778</del> 1707
22 13.0	-0 45	6.5	H?	Ia	F	1979

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[[2-column table]]

D.C. No. Plates. | D.C. Obs. Br. |

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1	7.2, 7.2
1	7.2, 7.3
3	<u>7.0</u> , 7.0, 6.8
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1	7.0, 7.2
1	6.4, 6.7
1	7.0, 7.3
1	7.2, 7.2
1	7.0, 7.3
1	7.3, 7.3
1	7.2, 7.2
1	7.2, 7.2
1	7.1, 7.0
1	6.5, 6.8
1	7.2, 7.3
1	6.9, 6.9
1	<u>7.1</u> , <u>7.1</u>
1	<u>7.3</u> , <u>7.3</u>
1	7.3, 7.3
1	<u>7.1</u> , <u>7.2</u>
1	6.6, 6.6
1	7.0, 7.2
1	7.3, 7.4
2	7.3, 7.3
1	7.3, 7.3
1	7.3, 7.3
1	7.2, 7.3
2	7.0, 7.1

No. Plates	Obs. Br.
2	7.1, 7.1
1	7.2, 7.2
1	7.2, 7.2
1	7.2, 7.3
3	<u>7.0</u> , 7.0, 6.8
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1	6.4, 6.7
1	7.0, 7.3
1	7.2, 7.2
1	7.0, 7.3
1	7.3, 7.3
1	7.2, 7.2
1	7.2, 7.2
1	7.1, 7.0
1	6.5, 6.8
1	7.2, 7.3
1	6.9, 6.9
1	<u>7.1</u> , <u>7.1</u>
1	<u>7.3</u> , <u>7.3</u>
1	7.3, 7.3
1	<u>7.1</u> , <u>7.2</u>
1	6.6, 6.6
1	7.0, 7.2
1	7.3, 7.4
2	7.3, 7.3
1	7.3, 7.3
1	7.3, 7.3
1	7.2, 7.3
2	7.0, 7.1

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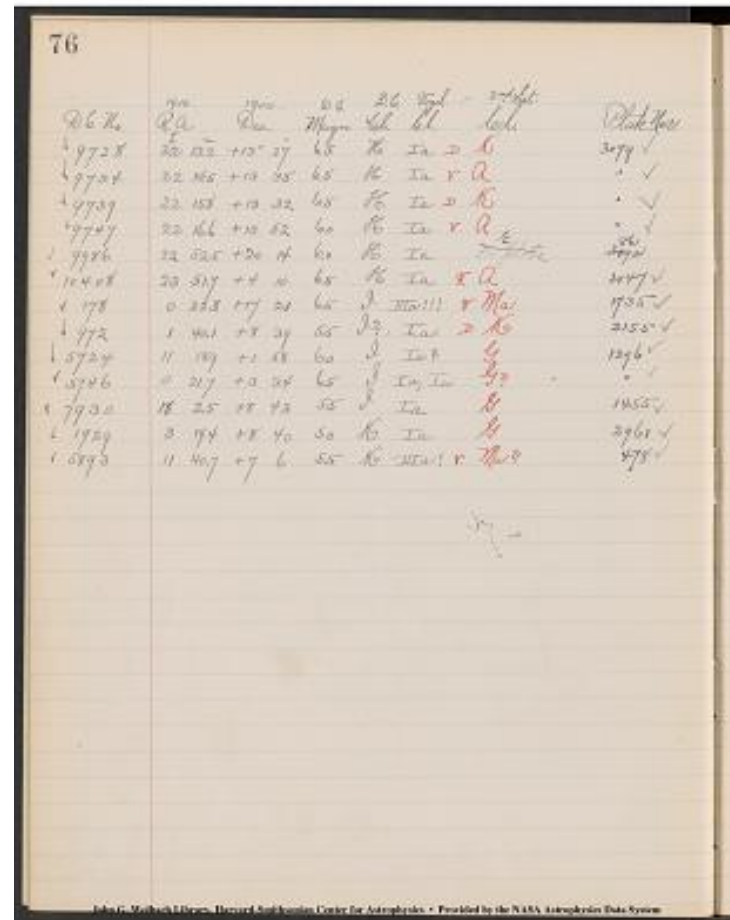
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[8 columns]

| D.C. No. | R.A. 1900 | Dec. 1900 | Magn D.C. | D.C. Class | Vogel Cl. |  
2nd Est Cl. | Plate Nos. |

|---|---|---|---|---|---|---|

9728 | 22<sup>h</sup> 13.2<sup>m</sup> | +13° 27' | 6.5 | H | Ia | D K | 3079 |  
9734 | 22 14.5 | +13 35 | 6.5 | H | Ia | vA | 3079 |  
9739 | 22 15.8 | +13 32 | 6.5 | H | Ia | D K | 3079 |  
9747 | 22 16.6 | +13 52 | 6.0 | H | Ia | v A | 3079 |  
9986 | 22 52.5 | +20 14 | 6.0 | H | Ia | ~~no plate~~ |  
~~E~~ | ~~3079~~ | ~~861~~ |  
10408 | 23 51.7 | +4 10 | 6.5 | H | Ia | v A | 2047 |  
178 | 0 22.8 | +17 21 | 6.5 | I | IIIa!!! | v Ma | 1735 |  
972 | 1 40.1 | +8 39 | 5.5 | I? | Ia | D K | 2155 |  
5724 | 11 18.9 | +1 58 | 6.0 | I | Ia? | G | 1296 |  
5746 | 11 21.7 | +2 34 | 6.5 | I | Ia, Ia | G? | 1296 |  
7930 | 18 2.5 | +8 43 | 5.5 | I | Ia G | 1455 |  
1929 | 3 19.4 | +8 40 | 5.0 | K | Ia G | 2961 |  
5893 | 11 40.7 | +7 6 | 5.5 | K | IIIa! | v. Ma? | 478 |



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[[2-column table]]

D.C. No. Plates | D.C. Obs. Br.

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1	7.2, 7.2
1	7.1, 7.2
1	6.5, 6.7
2	7.1, 7.1
2	7.3, 7.1
2	<u>7.0</u> , <u>6.4</u>
6	5.9, <u>6.2</u> , 6.1, 6.5, 6.1, <u>6.8</u>
1	<u>6.4</u> , <u>6.5</u>
1	6.4, 6.7
2	6.7, 5.9
4	5.1, <u>5.9</u> , <u>5.7</u> , 5.3
2	6.7, <u>5.6</u>

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No. Plates	Obs. Br.
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1	7.2, 7.2
1	7.1, 7.2
1	6.5, 6.7
2	7.1, 7.1
2	7.3, 7.1
2	<u>7.0</u> , <u>6.4</u>
6	5.9, <u>6.2</u> , 6.1, 6.5, 6.1, <u>6.8</u>
1	<u>6.4</u> , <u>6.5</u>
1	6.4, 6.7
2	6.7, 5.9
4	5.1, <u>5.9</u> , <u>5.7</u> , 5.3
2	6.7, <u>5.6</u>

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Discordant bases  
in Konkoly, 2nd Est.

[8 columns]

D.C. No. | R.A. 1900 Dec 1900 | D.C. Magn. | D.C. Cl. | Konkoly Cl. |  
 2nd Est. Cl. | Plate No. |

-----

[1117] 1<sup>h</sup> 55.5 | -9° 1' | 6.5 | A? | IIIa | M {Wrong ident on plate 911. See R. on List Errata} 2960 |

[1212] 2 4.1 | -2 49 | 6.5 | A | contin. | F (image very faint) 1738 |

[1431] 2 25.4 | -5 29 | 6.0 | A | contin. | D A | 2174 |

[1481] 2 29.8 | -8 17 | 6.0 | A | IIa | Ka | 2907 |

[2721] 4 48.0 | -5 37 | 5.0 | A | IIa | D A | 1830 |

[3146] 5 29.0 | -1 32 | 6.0 | A | IIa IIIa | H | 1098 |

[3363] 5 50.1 | -11 48 | 6.5 | A? | IIa IIIa | K | 2345 |

[3404] 5 54.3 | -9 34 | 5.5 | A | IIa | D A | 2345 |

[3493] 6 4.7 | -5 41 | 6.0 | A | IIa | D A | 1831 |

[3501] 6 5.7 | -15 2 | 6.0 | A | IIa | D A | 1852 |

[3545] 6 9.6 | -4 32 | 5.5 | A | II III? | A | 1831 |

[3635] 6 18.7 | -14 47 | 6.5 | A | IIIa IIa | D A | 1852 |

[3652] 6 21.2 | -7 50 | 6.0 | A | IIa | D A | 1831 |

[3811] 6 42.8 | -8 54 | 6.5 | A | IIa IIIa | M? | 2134 |

[3884] 6 49.7 | -1 38 | 6.5 | A | IIa IIIa | F | 1148 |

[3977] 6 57.9 | -4 6 | 5.0 | A | IIa | D B (Line between B9 common to B stars seen on this plate) 1853 |

[4332] 7 40.9 | -14 27 | 5.5 | D A | IIa IIIa | A | 2399 |

[4333] 7 40.9 | -14 27 | | | | |

[4335] 7 41.4 | -14 20 | 5.5 | A | IIa | A | 2399 |

[4343] 7 43.3 | -11 57 | 6.0 | A | IIa | F | 2399 |

[4639] 8 30.6 | -7 38 | 5.5 | A | IIa (IIa) | D A | 2469 |

[5285] 10 5.1 | -7 55 | 6.0 | A | IIa | D A | 2470 |

[5877] 11 37.7 | -2 59 | 6.5 | A? | contin. | D A | 1296 |

[7649] 17 32.4 | -8 3 | 5.0 | A | IIa | D A | 5461 |

[8932] 19 49.3 | -8 29 | 5.5 | A? | IIa | D A ~~[[strikethrough]]~~ (+R. Description probably reversed) ~~[[strikethrough]]~~ 2925 |

[8935] 19 49.6 | +0 1 | 5.5 | A | IIa | D A | 647 |

[9257] 20 47.3 | -9 21 | 5.5 | A | IIa | D A ~~[[strikethrough]]~~ 2955 |

~~[[strikethrough]]~~ 11493 |

[9358] 21 12.9 | -4 57 | 6.0 | A | IIa | D A | " |

[9404] 21 20.1 | -3 59 | 6.0 | A? | IIa | ~~[[strikethrough]]~~ M ~~[[strikethrough]]~~ L  
 wrong ident. see list of errata ~~[[strikethrough]]~~ 1703 ~~[[strikethrough]]~~ 2939 |

[9501] 21 39.2 | -5 11 | 6.5 | A? | IIa IIIa | D A | 2903 |

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D.C. No. Plates | D.C. Obs. Br.

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 1 | 6.8, 6.6  
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 1 | 6.6, 6.8  
 1 | 7.2, 7.3  
 6 | 5.7, 5.8, 5.8, 6.0, 6.4, 5.8  
 3 | 6.2, 6.8, 6.3  
 2 | 6.2, 6.8  
 5 | 6.4, 5.7, 5.7, 6.5, 6.0  
 2 | 7.1, 6.6  
 1 | 6.6, 6.5  
 1 | 7.0, 6.9  
 1 | 6.8, 6.8  
 5 | -5.0, 6.3, 5.6, 6.0  
 3 | 6.7, 6.6, 6.7  
 3 | 6.5, 6.4, 6.5  
 1 | 6.7, 6.9  
 2 | 6.7, 6.9  
 3 | 6.4, 6.8, 6.2  
 4 | 6.7, 6.7, 7.0, 6.6  
 1 | 6.8, 6.9  
 3 | 6.8, 5.5, 5.8  
 7 | 6.7, 6.7, 6.7, 6.6, 6.4-6.4  
 6 | 6.8, 6.6, 6.6, 6.8, 7.0, 6.9  
 5 | 6.6, 6.6, 6.7, 6.5, 6.0  
 3 | 6.6, 7.2, 7.2  
 1 | 7.1, 7.1  
 1 | 7.2, 7.3

D.C. No. Plates	D.C. Obs. Br.
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1	7.1, 7.3
1	6.5, 6.7
1	<u>6.8</u> , <u>6.6</u>
5	5.3, - <u>5.6</u> , 6.3, 5.6
1	6.6, 6.8
1	7.2, 7.3
6	5.7, 5.8, 5.8, 6.0, 6.4, 5.8
3	6.2, 6.8, 6.3
2	6.2, 6.8
5	6.4, 5.7, 5.7, 6.5, 6.0
2	7.1, <u>6.6</u>
1	6.6, 6.5
1	7.0, 6.9
1	6.8, 6.8
5	-5.0, <u>6.3</u> , 5.6, <u>6.0</u>
3	6.7, 6.6, 6.7
3	6.5, <u>6.4</u> , 6.5
1	<u>6.7, 6.9</u>
2	6.7, 6.9
3	<u>6.4</u> , 6.8, 6.2
4	6.7, 6.7, 7.0, 6.6
1	6.8, 6.9
3	6.8, <u>5.5</u> , 5.8
7	6.7, 6.7, 6.7, 6.6, 6.4-6.4
6	6.8, 6.6, 6.6, 6.8, 7.0, 6.9
5	6.6, 6.6, 6.7, 6.5, 6.0
3	6.6, 7.2, 7.2
1	7.1, 7.1
1	7.2, 7.3

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[8 column table]

| D.C. No. | R.A. 1900. | Dec. 1900. | Magn. | Cl. D.C. |  
| Cl. ^Konkoly | Cl. ^2nd Est. | Plate Nos. |

|-----|

9515|21^|[h.]] 40.9^[m]]. -9° 44'|5.0|A?|Ila|E? No  
plate|~~2903~~|

9843|22 30.2|-0 38|4.5|A|Ila|D A|2957

10034|22 59.9|-8 14|5.5|A|Ila|D A|2033

10241|23 32.5|-13 37|6.0|A?|Ila|K|2007

2797|4 56.6|-7 20|5.0|B|Ila|D B|1830

3035|5 19.4|-2 29|4.0|B|Ila|D |~~[[strikethrough]] A B~~|1098

3166|5 30.4|-4 54|4.5|B|Ila|D |~~[[strikethrough]] A~~|~~[[strikethrough]] B~~|1851

3673|6 24.0|-6 58|4.0|B|Ila|D B|1831

3674|6 24.0|-6 58|4.0|B|Ila|D B|1831

7173|15 52.6|-13 59|5.0|B|Ila|D B|5459

4355|7 45.1|-13 50|6.5|E|Ila|I|2399

8327|18 38.4|-6 55|6.5|E|Ila|I|D F|2934

2686|4 43.6|-5 50|6.0|F|Ic|D F|1830

5341|10 16.1|-4 55|6.5|F|I?|A(wrong ident. See list of errata)|2470

5811|11 29.3|-4 58|6.0|F|I?|F No

plate|~~[[strikethrough]] 1296~~|

6073|12 13.0|-3 23|6.0|F|Ib?|A|2472

7075|15 33.2|-8 28|6.0|F?|Ib?|D F|2466

6734|14 23.1|-1 47|5.5|G|Ia|G|2375

21|0 3.2|-9 23|7.0|H|Ia|D K|2958

46|0 5.6|-13 8|6.5|H|Ia|D L|2958

75|0 9.4|-8 21|6.5|H|Ila|K M|~~[[strikethrough]] 18~~|2958

115|0 12.9|-14 1|6.5|H|Ia|G|I|1830

128|0 14.5|-7 47|6.5|H|Ia|F|I|1830

298|0 35.3|-8 12|7.0|H|Ia|F|2973

507|0 53.7|-11 55|6.0|H|Ia|K|2973

568|1 0.0|-14 17|6.5|H|I|K?|2941

815|1 22.9|-4 6|7.0|H|Ia|E? No plate|

1378|2 20.0|-4 20|6.5|H|Ia|K|I|533

1488|2 30.3|-3 59|6.0|H|Ia|K|I|1646

1498|2 31.0|-8 16|5.5|H|Ila|M|I|1646

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Star No.	R.A. 1900	Dec. 1900	Magn.	Cl.	D.C.	Plate No.
9515	21 40.9	-9 44	5.0	A?	Ila	E? No plate
9843	22 30.2	-0 38	4.5	A	Ila	D A 2957
10034	22 59.9	-8 14	5.5	A	Ila	D A 2033
10241	23 32.5	-13 37	6.0	A?	Ila	K 2007
2797	4 56.6	-7 20	5.0	B	Ila	D B 1830
3035	5 19.4	-2 29	4.0	B	Ila	D   <del>[[strikethrough]] A B</del>   1098
3166	5 30.4	-4 54	4.5	B	Ila	D   <del>[[strikethrough]] A</del>   <del>[[strikethrough]] B</del>   1851
3673	6 24.0	-6 58	4.0	B	Ila	D B 1831
3674	6 24.0	-6 58	4.0	B	Ila	D B 1831
7173	15 52.6	-13 59	5.0	B	Ila	D B 5459
4355	7 45.1	-13 50	6.5	E	Ila	I 2399
8327	18 38.4	-6 55	6.5	E	Ila	I D F 2934
2686	4 43.6	-5 50	6.0	F	Ic	D F 1830
5341	10 16.1	-4 55	6.5	F	I?	A(wrong ident. See list of errata) 2470
5811	11 29.3	-4 58	6.0	F	I?	F No plate   <del>[[strikethrough]] 1296</del>
6073	12 13.0	-3 23	6.0	F	Ib?	A 2472
7075	15 33.2	-8 28	6.0	F?	Ib?	D F 2466
6734	14 23.1	-1 47	5.5	G	Ia	G 2375
21	0 3.2	-9 23	7.0	H	Ia	D K 2958
46	0 5.6	-13 8	6.5	H	Ia	D L 2958
75	0 9.4	-8 21	6.5	H	Ila	K M   <del>[[strikethrough]] 18</del>   2958
115	0 12.9	-14 1	6.5	H	Ia	G I 1830
128	0 14.5	-7 47	6.5	H	Ia	F I 1830
298	0 35.3	-8 12	7.0	H	Ia	F 2973
507	0 53.7	-11 55	6.0	H	Ia	K 2973
568	1 0.0	-14 17	6.5	H	I	K? 2941
815	1 22.9	-4 6	7.0	H	Ia	E? No plate
1378	2 20.0	-4 20	6.5	H	Ia	K I 533
1488	2 30.3	-3 59	6.0	H	Ia	K I 1646
1498	2 31.0	-8 16	5.5	H	Ila	M I 1646

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C  
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D.C. No. Plates | D.C. Obs. Br.

1	7.1, 7.0
6	5.5, 5.4, 5.7, 5.1, 4.4, 5.7
2	7.0, 6.4
2	7.0, 6.6
4	5.6, 5.6, 5.4, 6.0
6	4.1, <u>4.9</u> , <u>5.3</u> , 4.5,
	<u>4.6</u> <u>4.6</u> , 4.5
5	4.9, 5.6, 5.1, 5.4, 5.2
4	4.4, 4.6, 5.5, <u>5.4</u>
4	- 6.3, 5.9, 6.3
1	7.0, 7.1
1	6.9, 7.0
2	6.5, <u>6.7</u>
1	6.9, 7.0
1	6.4, 6.4
1	6.2, 6.3
1	7.0, 7.0
2	6.2, 6.1
1	7.2, 7.1
2	<u>7.2</u> , 7.1
2	6.9, 6.6
1	6.8, 6.7
1	6.8, 7.0
1	7.2, 7.2
4	6.9, 7.2, 6.4, 7.0
1	7.1, 6.9
1	7.4, 7.4
1	7.3, 7.3
1	6.9, 6.8
1	6.5, 6.5

D.C.	D.C.
No. Plates	Obs. Br.
1	71.70
6	55.54, 57.51, 44.57
2	70.64
2	70.66
4	56.56, 59.60
6	41.41, 53.85, 46.85
5	49.56, 51.59, 52
4	48.46, 55.58
4	- 63.59, 60
1	70.71
1	69.70
2	68.67
1	69.70
1	68.64
1	65.60
1	70.70
2	62.61
1	72.71
2	72.71
2	72.71
2	69.66
1	63.67
1	65.70
1	72.72
4	69.70, 64.70
1	71.69
1	74.74
1	73.73
1	69.68
1	65.65

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[[8-column table]]  
D.C.No.|R.A.^1900.|Dec.^1900.|Magn.|Cl.^D.C.|Cl.^[[[KONKOLY]]]|Cl.^2  
nd[?]|Plate Nos.

[[checkmark]] 1576 2^h 39.0^m.[-6 26[6.0]H|contin|K|]1646 [[checkmark]]  
[[checkmark]] 1772 3 1.6[-6 28[6.0]H|Ila|]Ma|1860 [[checkmark]]  
[[checkmark]] 2788 4 55.7[-2 13[6.5]H|Ia|]K A|1830 [[checkmark]]  
[[checkmark]] 2911 5 6.7[-11  
58[6.5]H|I|Ib|] [~~striethrough~~]A| [~~striethrough~~] Mc|I492  
[[checkmark]] ^2187 [[checkmark]]  
[[checkmark]] 3414 5 55.1[-3 5]5.5[H|Ia|]L|1082 [[checkmark]]  
[[checkmark]] 3965 6 56.8[-1 12]6.0[H|I|Ia|M|]1148 [[checkmark]]  
[[checkmark]] 3967 6 57.0[-5 35]6.5[H|I|Ia|]M?|1853 [[checkmark]]  
[[checkmark]] 4258 7 29.2[-14 18]5.5[H?|I|Ia|K|]1500 [[checkmark]]  
[[checkmark]] 5211 9 48.4[-9 26]6.5[H?|Ia|]E No plate  
[[checkmark]] 5855 11 34.5[-12 37]6.5[H|Ia|]D H|2471 [[checkmark]]  
[[checkmark]] 6348 13 4.0[-9 0]6.5[H|Ia|]K|2464 [[checkmark]]  
[[checkmark]] 6533 1336.4[-8 12]6.5[H|I|Ia|M|]2473 [[checkmark]]  
[[checkmark]] 8036 18 11.6[-3 2]6.5[H|Ia|]E?|1483 [[checkmark]]  
[[checkmark]] 8107 18 18.8[-3 38]5.5[H?|Ia|]K A?|11 [[checkmark]]  
[[checkmark]] 9088 20 12.1[-10 50]5.5[H?|Ia|]K|2938 [[checkmark]]  
[[checkmark]] 9721 22 11.9[-5 54]6.5[H?|Ia|]G|1856 [[checkmark]]  
[[checkmark]] 10095 23 11.7[-8 16]6.5[H|Ia|M|]2033 [[checkmark]]  
[[checkmark]] 3095 5 24.7[-1 11]6.0[J|I|Ia|M?|]1098 [[checkmark]]  
[[checkmark]] 6659 14 7.5[-9 48]5.5[J|Ia|]K No plate  
[[checkmark]] 3882 6 49.6[-11 55]5.5[M?|Ia|]K|2134(1692)  
[[checkmark]] 6455 13 21.4[-12 11]6.5[M|Ia|]H? No plate|1257  
[[checkmark]] 9927 22 44.3[-14 7]5.0[M?|Ia|]K|1744  
[[checkmark]] 10083 23 9.1[-6 35]6.0[M?|Ia|]D M?|2033 [[checkmark]]

86 No.	1900 86	1900 Rise	86 Mys	86 Cl	86 Ld	86 Ld	Plate No.
1 1876	2	52.0	-6.26	60	80	endm	17646 ✓
1 1772	3	46	-6.28	60	80	III!	1860 ✓
1 2788	4	52.7	-2.10	65	80	Ia!	1830 ✓
1 3911	5	6.7	-9.48	60	80	III!	1892 ✓
1 3414	6	56.1	-3.5	35	80	Ia!	1072 ✓
1 3465	6	56.8	-1.12	60	80	IIIa	148 ✓
1 3467	6	57.0	-4.35	68	80	III!	1852 ✓
1 4203	7	52.2	-10.18	50	80	IIIa	1500 ✓
1 5211	7	48.4	-9.26	65	80	Ia!	8-plate
1 5825	11	36.0	-12.07	65	80	Ia!	2471 ✓
1 6248	13	46	-9.0	68	80	Ia!	2464 ✓
1 6533	13	46.0	-8.12	65	80	IIIa	2473 ✓
1 8036	18	46	-3.2	60	80	Ia!	1482 ✓
1 807	18	18.8	-3.23	88	80?	Ia!	0?
1 9188	20	12.1	-12.50	88	80	Ia!	2728 ✓
1 9701	22	13	-5.24	60	80	Ia!	1850 ✓
1 10048	23	16.7	-8.16	68	80	IIIa	2223 ✓
1 3025	5	26.7	-1.11	62	80	IIIa	1015 ✓
1 6089	14	7.5	-7.08	68	80	Ia!	X-plate
1 3852	6	46	-4.55	65	80	Ia!	20649 ✓
1 6255	13	21.8	-12.1	68	80	Ia!	1257 ✓
1 9749	22	48.8	-14.7	50	80	Ia!	174 ✓
1 10070	23	9.1	-6.35	60	80	Ia!	1003 ✓

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[[2-column table]]

D.C. No. Plates | D.C. Obs. Br.

1	[[underline]] 7.1 [[/underline]], [[underline]] 6.9 [[/underline]]
1	7.0, 7.0
1	7.3, 7.3
1	7.2, 7.3
6	5.9, 6.7, 6.0, [[underline]] 6.9 [[/underline]], 6.5, 6.1
1	6.5, 6.7
1	7.0, 6.9
2	6.7, 7.0
1	7.0, 7.1
1	7.0, 6.9
1	6.6, 6.7
2	[[underline]] 7.0 [[/underline]], 6.9
1	7.1, 7.0
1	[[underline]] 6.9 [[/underline]], [[underline]] 7.0 [[/underline]]
3	6.5, 6.5, 6.8
3	7.0, 7.0, 7.1
2	7.1, 7.3
2	6.7, 6.5
4	5.8, 6.2, 5.9, 6.4
5	5.8, 5.9, 6.0, 6.6, 6.6
1	6.9, 6.8
2	5.8, 6.5
3	6.4, 6.4, 7.2

D.C. No. Plates	D.C. Obs. Br.
1	7.1, 6.9
1	7.0, 7.0
1	7.3, 7.3
1	7.2, 7.3
6	5.9, 6.7, 6.0, 6.9, 6.5, 6.1
1	6.5, 6.7
1	7.0, 6.9
2	6.7, 7.0
1	7.0, 7.1
1	7.0, 6.9
1	6.6, 6.7
2	7.0, 6.9
1	7.1, 7.0
1	6.9, 7.0
3	6.5, 6.5, 6.8
3	7.0, 7.0, 7.1
2	7.1, 7.3
2	6.7, 6.5
4	5.8, 6.2, 5.9, 6.4
5	5.8, 5.9, 6.0, 6.6, 6.6
1	6.9, 6.8
2	5.8, 6.5
3	6.4, 6.4, 7.2

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Discordant Cases. in Vogel. A II up to Mag 6.5  
[[7 columned table]]

[[7 columned table]]

D.C.No. | ^[[1900.]] R.A. | ^[[1900.]] Dec. | ^[[D.C.]] Magn. | ^[[D.C.]] Cl. |  
 ^[[Vogel.]] Cl. | ^[[2nd est.]] Cl. | |  
 | --- | --- | --- | --- | --- | --- | --- |

8149	18^[[h]] 22.1^[[m]] +0° 8^[[1]]	5.36	A	IIa	D A	1483
2979	5 14.0 +2 30	5.92	A	IIa	F	1098
3645	6 20.2 -0 52	6.24	A	IIa	F	1082
4014	7 2.7 +16 6	6.19	A	IIa	no plate^[[F]]	~~[[STRIKETHROUGH]]~~
3290	~~[[STRIKETHROUGH]]~~ 398					
4380	7 50.1 +9 8	5.93	A	IIa	D A	1854
8467	18 51.7 +17 59	5.90	A	IIa	A {wrong ident see list of Erieta	
1712 (2888)						
9003	19 59.2 +7 0	5.75	A	IIa	V G	635
9004	19 59.2 -0 59	5.91	A	IIa	V H?	647
9200	20 34.2 +9 44	5.81	A	IIa	V G	~~[[strikethrough]]~~ 735
~~[[strikethrough]]~~ 1762						

[[underlined]] GI up to Magn. 6.5? [[/underlined]]

6602	13 49.9 +18 54	3.79	G	Ia	D G	2364
5723	11 18.7 +11 5	4.49	G	Ia	D F	2448
5914	11 45.5 +2 20	4.40	G	Ia	D G	471
1873	3 14.1 +3 1	5.60	E	Ia	D G	1739
2853	5 1.5 +18 30	5.54	E	Ia	D G	983
6734	14 23.1 -1 47	5.50	G	Ia	D G	
1400	2 22.1 +9 46	5.76	E	Ia	D F	~~[[strikethrough]]~~ 2149
~~[[strikethrough]]~~ 962						
1542	2 35.0 +5 41	6.19	E	Ia	D F	962
1588	2 40.1 +4 19	5.98	E	Ia	V A	12202
2302	3 57.5 -0 33	6.01	E	Ia	D G	971
2317	3 58.9 +2 33	5.77	E	Ia	D G	n
2369	4 4.9 +18 10	5.95	E	Ia	D F	2138
4117	7 14.3 +7 19	5.95	E	Ia	D F	2188
5042	9 23.1 +9 30	5.86	E	Ia	D G	2152
5990	11 58.9 +6 8	6.09	E	Ia	D F	478
6538	13 37.3 +8 84	6.09	E	Ia	D F	1339
6591	13 48.4 +18 25	6.20	E	Ia	D ~~[[STRIKETHROUGH]]~~ K	
~~[[STRIKETHROUGH]]~~ G	2364					
6999	15 20.6 -0 54	6.21	E	Ia	D F	2466
7793	17 51.2 +0 42	6.02	E	Ia	R A	1483

84

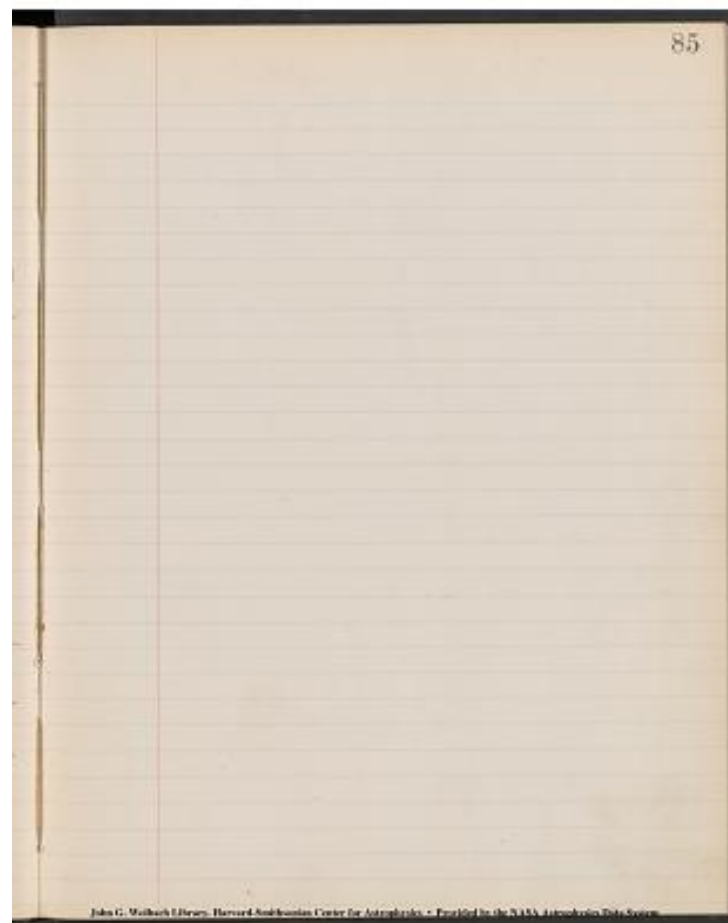
*Discordant Cases in Vogel. A II up to Mag 6.5*

D.C.No.	R.A.	Dec.	Magn.	Cl.	IIa	IIb	IIc	IIId	IIe	IIIf	IIIg	IIIf	IIIf
8149	18 22.1	+0° 8'	5.36	A	IIa								1483
2979	5 14.0	+2 30	5.92	A	IIa								1098
3645	6 20.2	-0 52	6.24	A	IIa								1082
4014	7 2.7	+16 6	6.19	A	IIa								no plate
3290	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>
4380	7 50.1	+9 8	5.93	A	IIa								1854
8467	18 51.7	+17 59	5.90	A	IIa								{wrong ident see list of Erieta
1712	(2888)												
9003	19 59.2	+7 0	5.75	A	IIa								V G 635
9004	19 59.2	-0 59	5.91	A	IIa								V H? 647
9200	20 34.2	+9 44	5.81	A	IIa								V G <del>[[strikethrough]]</del> 735
<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>

*GI up to Magn. 6.5*

D.C.No.	R.A.	Dec.	Magn.	Cl.	Ia	Ib	Ic	Id	Ie	If	Ig	Ih	Ii
6602	13 49.9	+18 54	3.79	G	Ia								D G 2364
5723	11 18.7	+11 5	4.49	G	Ia								D F 2448
5914	11 45.5	+2 20	4.40	G	Ia								D G 471
1873	3 14.1	+3 1	5.60	E	Ia								D G 1739
2853	5 1.5	+18 30	5.54	E	Ia								D G 983
6734	14 23.1	-1 47	5.50	G	Ia								D G
1400	2 22.1	+9 46	5.76	E	Ia								D F <del>[[strikethrough]]</del> 2149
<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>	<del>[[strikethrough]]</del>
1542	2 35.0	+5 41	6.19	E	Ia								D F 962
1588	2 40.1	+4 19	5.98	E	Ia								V A 12202
2302	3 57.5	-0 33	6.01	E	Ia								D G 971
2317	3 58.9	+2 33	5.77	E	Ia								D G n
2369	4 4.9	+18 10	5.95	E	Ia								D F 2138
4117	7 14.3	+7 19	5.95	E	Ia								D F 2188
5042	9 23.1	+9 30	5.86	E	Ia								D G 2152
5990	11 58.9	+6 8	6.09	E	Ia								D F 478
6538	13 37.3	+8 84	6.09	E	Ia								D F 1339
6591	13 48.4	+18 25	6.20	E	Ia								D <del>[[STRIKETHROUGH]]</del> K
<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>	<del>[[STRIKETHROUGH]]</del>
6999	15 20.6	-0 54	6.21	E	Ia								D F 2466
7793	17 51.2	+0 42	6.02	E	Ia								R A 1483

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[86]

Discordant Classes in Vogel KI up To Magn.  
6.5.

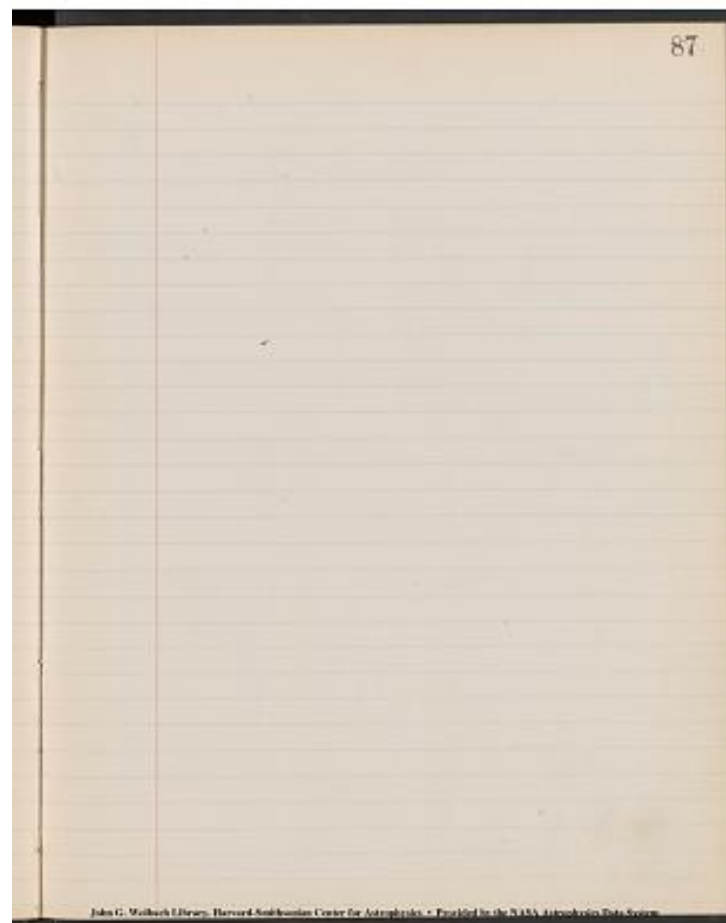
[[7 column table]]

D.C. NO. | RA.^[[1900.]] | Dec.^[[1900.]] | Magn.^[[D.C.]] | Cl.^[[D.C.]] |  
Cl.^[[Vogel.]] | Cl.^[[2nd Est]] |  
|---|---|---|---|---|

1929|3^[[h]]|19.4^[[m]]|+8° 40'|4.78|K|Ia|G  
7930|18 2.5|+8 43|5.46|I|Ia|G  
2710|4 46.2|+9 49|6.06|H|Ia|a  
3034|5 19.4|-0 59|6.21|H|Ib|K  
3325|5 45.3|+2 0|6.17|H|I|F Hydrogen Lines double.  
4574|8 20.5|+7 53|5.75|H|Ia|G  
5695|11 14.3|-1 6|6.16|H|Ia|F?  
7050|15 29.5|+5 4|6.24|H|Ia|a  
7110|15 39.1|+2 50|6.00|H|Ia|F  
7198|15 58.5|+5 16|5.94|H|Ia|K?  
8185|18 25.1|+4 0|6.08|H|Ia|a  
8484|18 53.5|+6 7|6.04|H|Ia|F  
8900|19 44.0|+11 34|5.97|H|Ia|a  
9417|21 21.8|+18 58|6.06|H|Ia|a  
Look up 9747|22 16.6|+13 52|6.08|H|Ia|a  
9986|22 52.5|+20 14|6.21|H|Ia|E

Discordant Classes in Vogel KI up To Magn. 6.5.						
Star No.	RA. 1900	Dec. 1900	Magn. D.C.	Cl. D.C.	Cl. Vogel	Cl. 2nd Est
1929	3 19.4	+8 46	4.78	K	Ia	G
7930	18 2.5	+8 43	5.46	I	Ia	G
2710	4 46.2	+9 49	6.06	H	Ia	a
3034	5 19.4	-0 59	6.21	H	Ib	K
3325	5 45.3	+2 0	6.17	H	I	F Hydrogen Lines double.
4574	8 20.5	+7 53	5.75	H	Ia	G
5695	11 14.3	-1 6	6.16	H	Ia	F?
7050	15 29.5	+5 4	6.24	H	Ia	a
7110	15 39.1	+2 50	6.00	H	Ia	F
7198	15 58.5	+5 16	5.94	H	Ia	K?
8185	18 25.1	+4 0	6.08	H	Ia	a
8484	18 53.5	+6 7	6.04	H	Ia	F
8900	19 44.0	+11 34	5.97	H	Ia	a
9417	21 21.8	+18 58	6.06	H	Ia	a
9747	22 16.6	+13 52	6.08	H	Ia	a
9986	22 52.5	+20 14	6.21	H	Ia	E

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Discordant Cases in Konkoly, GI up to Magn.6.5

[8 COLUMNS]

D.C. No.	1900 R.A.	1900 Dec.	D.C. Magn.	D.C. Cl.	Konkoly Cl.	2nd Est. Cl.	I1646

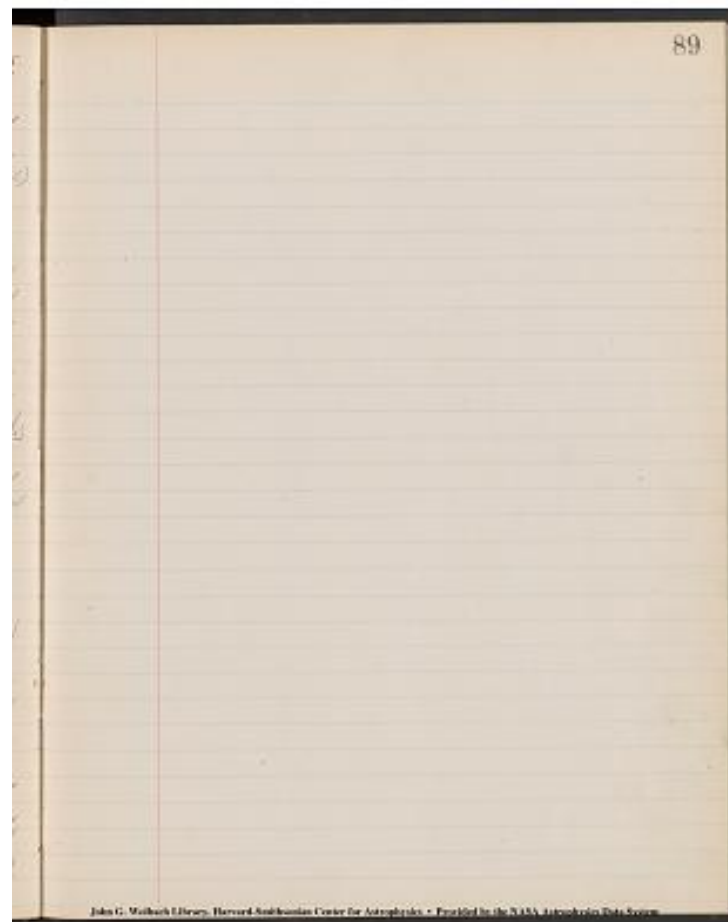
1366 | 2 18.4 | -6 39 | 5.57 | E | Ia | A |  
 1509 | 2 31.8 | -15 5 | 5.40 | E | Ia | L | 2071(535)|  
 6734 | 14 23.1 | -1 47 | 5.50 | G | Ia | G |  
 732 | 1 14.7 | -1 2 | 6.21 | E | Ia | F | 2959 |  
 1543 | 2 35.3 | -9 53 | 5.95 | E | Ia | G | I1646 |  
 2404 | 4 8.6 | -1 24 | 6.20 | E | Ia | A | 971 |  
 4228 | 7 24.6 | -7 21 | 5.77 | E | Ia | F | 2355 |  
 4371 | 7 47.8 | -14 36 | 5.76 | E | Ia | F | 2399 |  
 4370 | 7 47.8 | -5 10 | 5.88 | E | Ia | F | 2026 |  
 4584 | 8 21.2 | -10 12 | 6.20 | E | Ia | A | 2469 |  
 4603 | 8 24.0 | -9 25 | 6.05 | E | Ia | F | 2469 |  
 4672 | 8 36.2 | -8 42 | 6.21 | E | Ia | A | 2469 (2346)|  
 6444 | 13 19.3 | -4 39 | 6.08 | E | Ia | F | I 854 |  
 6999 | 15 20.6 | -0 54 | 6.21 | E | Ia | F | 2466 |  
 8985 | 19 56.9 | -5 16 | 5.93 | E | Ia | A | 2837 |

KI up to Magn 6.5

8517 | 18 56.3 | -5 35 | 5.18 | K | Ia | K | 2879 |  
 3414 | 5 55.1 | -3 5 | 5.72 | H | Ia | L | 1082 |  
 7163 | 15 50.9 | -14 32 | 5.46 | H | Ia | A | 5459 |  
 7227 | 16 3.8 | -12 47 | 5.73 | H | Ia | A | 871 |  
 7423 | 16 49.2 | -6 0 | 5.73 | H | Ia | H? | No plate |  
 6659 | 14 7.5 | -9 48 | 5.37 | I | Ia | K | No plate |  
 507 | 0 53.7 | -11 55 | 6.21 | H | Ia | K | 2973 |  
 1488 | 2 30.3 | -3 59 | 6.04 | H | Ia | K | I 1646 |  
 7046 | 15 29.0 | -5 21 | 6.03 | H | Ia | G | 2466 |  
 9967 | 22 50.0 | -5 31 | 5.83 | H | Ia | ~~K~~ | ~~G~~ | 2033 |

Discordant Cases in Konkoly, GI up to Magn.6.5									
R.C. No.	1900 R.A.	1900 Dec.	D.C. Magn.	D.C. Cl.	Konkoly Cl.	2nd Est. Cl.	I1646		
1366	2 18.4	-6 39	5.57	E	Ia	A			
1509	2 31.8	-15 5	5.40	E	Ia	L	2071	(535)	
6734	14 23.1	-1 47	5.50	G	Ia	G			
732	1 14.7	-1 2	6.21	E	Ia	F	2959		
1543	2 35.3	-9 53	5.95	E	Ia	G	I1646		
2404	4 8.6	-1 24	6.20	E	Ia	A	971		
4228	7 24.6	-7 21	5.77	E	Ia	F	2355		
4371	7 47.8	-14 36	5.76	E	Ia	F	2399		
4370	7 47.8	-5 10	5.88	E	Ia	F	2026		
4584	8 21.2	-10 12	6.20	E	Ia	A	2469		
4603	8 24.0	-9 25	6.05	E	Ia	F	2469		
4672	8 36.2	-8 42	6.21	E	Ia	A	2469 (2346)		
6444	13 19.3	-4 39	6.08	E	Ia	F	I 854		
6999	15 20.6	-0 54	6.21	E	Ia	F	2466		
8985	19 56.9	-5 16	5.93	E	Ia	A	2837		
KI up to Magn 6.5									
8517	18 56.3	-5 35	5.18	K	Ia	K	2879		
3414	5 55.1	-3 5	5.72	H	Ia	L	1082		
7163	15 50.9	-14 32	5.46	H	Ia	A	5459		
7227	16 3.8	-12 47	5.73	H	Ia	A	871		
7423	16 49.2	-6 0	5.73	H	Ia	H?	No plate		
6659	14 7.5	-9 48	5.37	I	Ia	K	No plate		
507	0 53.7	-11 55	6.21	H	Ia	K	2973		
1488	2 30.3	-3 59	6.04	H	Ia	K	I 1646		
7046	15 29.0	-5 21	6.03	H	Ia	G	2466		
9967	22 50.0	-5 31	5.83	H	Ia	<del>K</del>	<del>G</del>	2033	

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Continuous Stars in Konkoly

[8 columns]

D.C. No. | konkoly No. | 1900 RA | 1900 Dec. | D.C. Magn | D.C. Cl. | 2nd Est. Cl. | Plate |

|---|---|---|---|---|---|

72 14 | 0<sup>h</sup> 9.1 -7° 45 | 6.76 F DF 2958  
 position(1880) 69 | 0 44.9 | -9 45 | | -No plate found-  
~~position(1880) 2973 | 1 17.8 | -6 26 | N.S~~  
 position(1880) 105 1 17.8 | -6 26 | K 2914  
 position(1880) 112 1 19.9 | -9 8 | E? (image very faint) no other plate  
 cover region 2914  
 1212 155 2 4.1 | -2 49 6.60 A F (image very faint) | |  
 position(1880) 1762 23.6 | -13 27 | | M? 1658  
 1431 1782 25.4 | -5 295.78 A A | |  
 1576 2012 39.0 | -6 266.17 H K 2907  
 position(1880) 248 3 9.7 | -9 14 | | H ~~position(1880) 1860~~  
~~position(1880) 2908~~  
 position(1880) 2864 6.4 | -4 23 | | ~~position(1880) 1860~~  
~~position(1880) 2908~~  
~~position(1880) 971 | 1821~~  
~~-6° 878 position(1880) 3034 15.6 | -6 21 R. spectrum of this star~~  
~~superposed on that on Dm -6° 879 making it impossible to determine~~  
~~class of spectrum 1821~~  
 position(1880) 3054 15.8 | -8 24 | | A1821  
 position(1880) 3534 57.7 | -2 42 K  
 | ~~position(1880) 1740 | NS 1536~~  
 30064035 22.0 | -2 276.27 AB 1098  
 -6° 1334 position(1880) 4465 45.7 | -6 40 | | No plate ~~position(1880) 1851~~  
~~position(1880) 4525 48.7 | -8 26 | | H ~~position(1880) 1851~~~~  
~~position(1880) 2345~~  
 3366 4545 50.5 | -4 386.54 HH 1851  
 -8 1265 position(1880) 4575 51.2 | -8 24 | | H2345  
 4283 6187 33.0 | -6 445.07 E? A ~~position(1880) 2026~~  
~~position(1880) 2355~~  
 position(1880) 6497 51.3 | -0 19 | | A ~~position(1880) 1149~~  
~~position(1880) 2026~~  
 -2 2977 position(1880) 7829 40.6 | -2 40 | | F2347  
 -4 2757 position(1880) 8029 49.6 | -4 24 | | H2347  
 -4 2784 position(1880) 8161 56.9 | -5 2 | |  
 -4° 2861 position(1880) 85510 17.6 | -4 19 | | H2470  
 5877 93111 377 | -2 59654 A? A1296  
 position(1880) 93711 42.4 | -8 43 | | No plate |  
 position(1880) 94011 42.9 | -8 27 | | No plate |  
 position(1880) 101412 52.5 | -2 15 | | K2464  
 -33634 position(1880) 116914 23.8 | -3 43 | | A2375  
 -33636 position(1880) 117014 24.3 | -3 32 | | A2375

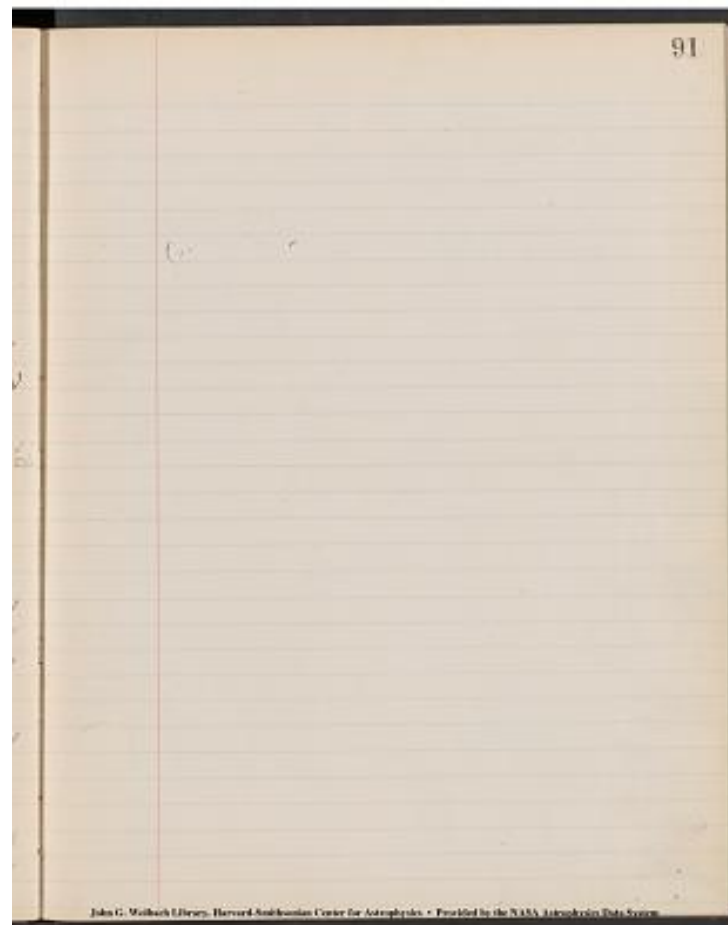
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*Continuous Stars in Konkoly*

D.C. No.	Konkoly No.	1900 RA	1900 Dec.	D.C. Magn	D.C. Cl.	2nd Est. Cl.	Plate
72	14	0 <sup>h</sup> 9.1	-7° 45	6.76	F	DF	2958
1212	155	2 4.1	-2 49	6.60	A	F	(image very faint)
1431	1782	25.4	-5 295.78	A	A		
1576	2012	39.0	-6 266.17	H	K		2907
248	3	9.7	-9 14		H		<del>1860</del>
2864	6.4	-4 23			H		<del>1860</del>
971							<del>1821</del>
3034	15.6	-6 21	R.				
3054	15.8	-8 24		A	1821		
3534	57.7	-2 42	K				
1740				NS	1536		
30064035	22.0	-2 276.27	AB	1098			
4465	45.7	-6 40					No plate
4525	48.7	-8 26		H			<del>1851</del>
4545	50.5	-4 386.54	HH	1851			
4575	51.2	-8 24		H	2345		
6187	33.0	-6 445.07	E? A		<del>2026</del>		
6497	51.3	-0 19		A	<del>1149</del>		
7829	40.6	-2 40		F	2347		
8029	49.6	-4 24		H	2347		
8161	56.9	-5 2					
85510	17.6	-4 19		H	2470		
93111	377	-2 59654	A? A1296				
93711	42.4	-8 43			No plate		
94011	42.9	-8 27			No plate		
101412	52.5	-2 15		K	2464		
116914	23.8	-3 43		A	2375		
117014	24.3	-3 32		A	2375		

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92. Continuous Stars in Konkoly

[7 columned table]

D.C. No. Konkoly No. 1880 R.A. 1880 Dec. | | |  
 |---|---|---|---|---|

-6 4035|1172|14<sup>h</sup>|30.2<sup>m</sup>|6° 55'|No plate| 2375|  
 DM -6 4183|1240|15 15.2|-6 24|F| 2466|  
 | 1335|16 23.7|-0 52|No plate| 2475|  
 | 1362|16 41.0|-1 43|neb|Seen on plate but image too faint to show the  
 distinctive features.|568|  
 -1 3824|1653|19 40.4|-1 40|A| ~~698~~|  
 DM -14 6029?|1818|21 20.8|-14 6|| |1337|  
 | 1823|21 27.3|-1 21|neb|Seen on plate, but image too faint to show  
 the distinctive features in the spectrum|1703|  
 -7 5637|1846|21 41.7|-7 1|F?| 2903|  
 DM -13° 6404|1980|23 20.1|-13 37|A| 3063|  
 -6° 6256|1991|23 33.7|-6 13|| |3064|

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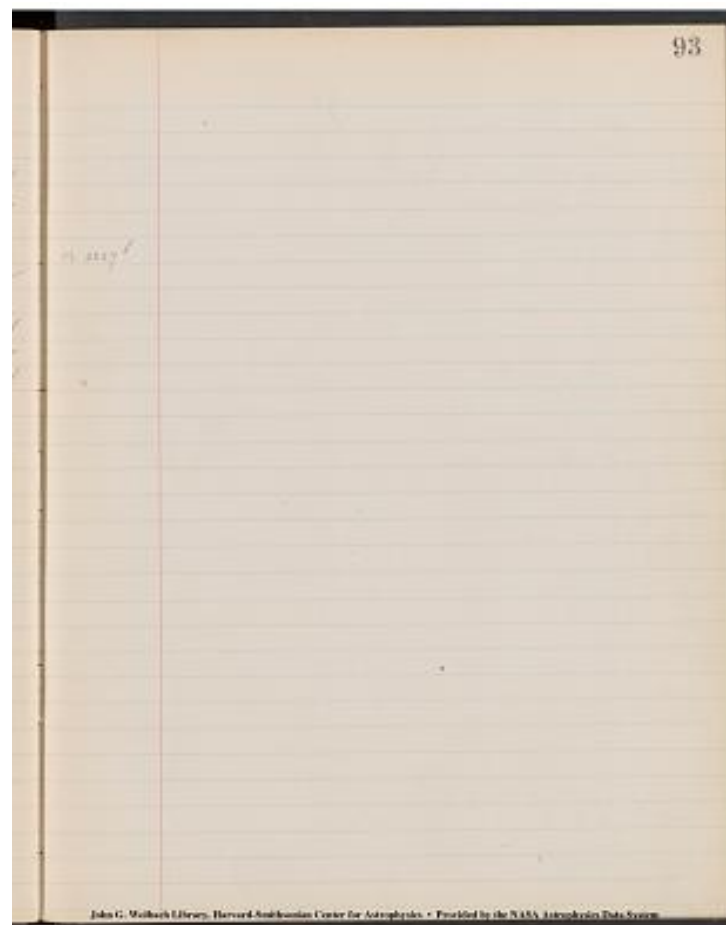
*Continuous Stars in Konkoly*

D.C. No.	Konkoly No.	1880 R.A.	1880 Dec.	Notes
-6 4035	1172	14 <sup>h</sup> 30.2 <sup>m</sup>	6° 55'	No plate   2375
DM -6 4183	1240	15 15.2	-6 24	F   2466
1335	16 23.7	-0 52		No plate   2475
1362	16 41.0	-1 43		neb   Seen on plate but image too faint to show the distinctive features.   568
-1 3824	1653	19 40.4	-1 40	A   <del>698</del>
DM -14 6029?	1818	21 20.8	-14 6	1337
1823	21 27.3	-1 21		neb   Seen on plate, but image too faint to show the distinctive features in the spectrum   1703
-7 5637	1846	21 41.7	-7 1	F?   2903
DM -13° 6404	1980	23 20.1	-13 37	A   3063
-6° 6256	1991	23 33.7	-6 13	3064

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02 2837



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Continuous Stars in Vogel

[9 columned table]

D.C. No. | Vogel. No. | [1900] R.A. | 1900 Dec. | D.C. Magn. | D.C. Cl. |

2nd Est. | Plate Nos |

-----

85|15|0<sup>h</sup>|9.9<sup>m</sup>|+8° 16'|5.95|A|D|A|1610|

95|17|0 11.5|+7 41|6.75|F|D|G|1610|

105|22|0 12.3|+8 19|6.82|E|D|F|1610|

119|30|0 13.2|+10 39|6.97|H|D|I|1610|

137|37|0 15.8|+12 13|6.62|A|D|A|1735|

182|52|0 23.2|+9 39|6.23|F| | |No Plate|

472|105|0 50.9|+13 24|6.73|H| | |

~~1866~~

588|128|1 1.4|+13 22|6.83|H| | |A|1866|

656|142|1 7.1|+11 45|6.64|A| | |F|2155|

DM. +13 351|260|2 6.2|+13 22|(1880)| | |H|3208|

DM. +2 655|518|4 3.5|+3 0| | | |F|971|

-0 653|523|4 5.4|-0 44| | | |F|971|

-0 710|525|4 6.0|+0 26| | | |E|971|

2476|563|4 6.5|+2 10|6.72|A| | |F|971|

-1 641|580|4 19.6|-1 42| | | |E|971|

2530|604|4 22.9|+1 38|6.47|H| | |F?|(image faint) 1782|

-0 789|635|4 28.3|+0 10| | | |E?|(image very faint) 1740|

-0 702|658|4 36.3|-1 10| | | |F|1740|

-0 785|684|4 44.7|-0 18| | | |H|1536|

2919|757|5 8.3|+1 51|6.25|A|D|A|1536|

+0 988|758|5 7.6|+0 25| | | |K|1536|

2985|773|5 14.6|-1 31|5.90|E?| | |B|1098|

+2 924|777|5 14.5|+2 26| | | |E?|1098|

+2 926|779|5 14.6|+2 48| | | |A|1098|

3004|780|5 16.1|+3 54|6.30|A| | |B|1098|

3007|782|5 16.5|-0 31|5.73|A|D|A|1098|

3015|786|5 17.6|+3 27|4.71|A|D|B|1098|

+3 872|787|5 16.6|+3 26| | | |A|1098|

3028|794|5 18.8|-0 57|6.86|A| | |F|1098|

3033|796|5 19.4|+2 15|6.15|A|D|B|1098|

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Continuous Stars in Vogel

D.C. No.	Vogel No.	[1900] R.A.	1900 Dec.	D.C. Magn.	D.C. Cl.	2nd Est.	Plate Nos.
85	15	9.9	+8° 16'	5.95	A	D	A
95	17	11.5	+7 41	6.75	F	D	G
105	22	12.3	+8 19	6.82	E	D	F
119	30	13.2	+10 39	6.97	H	D	I
137	37	15.8	+12 13	6.62	A	D	A
182	52	23.2	+9 39	6.23	F		No Plate
472	105	50.9	+13 24	6.73	H		
<del>1866</del>							
588	128	1 1.4	+13 22	6.83	H		A
656	142	1 7.1	+11 45	6.64	A		F
DM. +13 351	260	2 6.2	+13 22	(1880)			H
DM. +2 655	518	4 3.5	+3 0				F
-0 653	523	4 5.4	-0 44				F
-0 710	525	4 6.0	+0 26				E
2476	563	4 6.5	+2 10	6.72	A		F
-1 641	580	4 19.6	-1 42				E
2530	604	4 22.9	+1 38	6.47	H		F? (image faint)
-0 789	635	4 28.3	+0 10				E? (image very faint)
-0 702	658	4 36.3	-1 10				F
-0 785	684	4 44.7	-0 18				H
2919	757	5 8.3	+1 51	6.25	A	D	A
+0 988	758	5 7.6	+0 25				K
2985	773	5 14.6	-1 31	5.90	E?		B
+2 924	777	5 14.5	+2 26				E?
+2 926	779	5 14.6	+2 48				A
3004	780	5 16.1	+3 54	6.30	A		B
3007	782	5 16.5	-0 31	5.73	A	D	A
3015	786	5 17.6	+3 27	4.71	A	D	B
+3 872	787	5 16.6	+3 26				A
3028	794	5 18.8	-0 57	6.86	A		F
3033	796	5 19.4	+2 15	6.15	A	D	B

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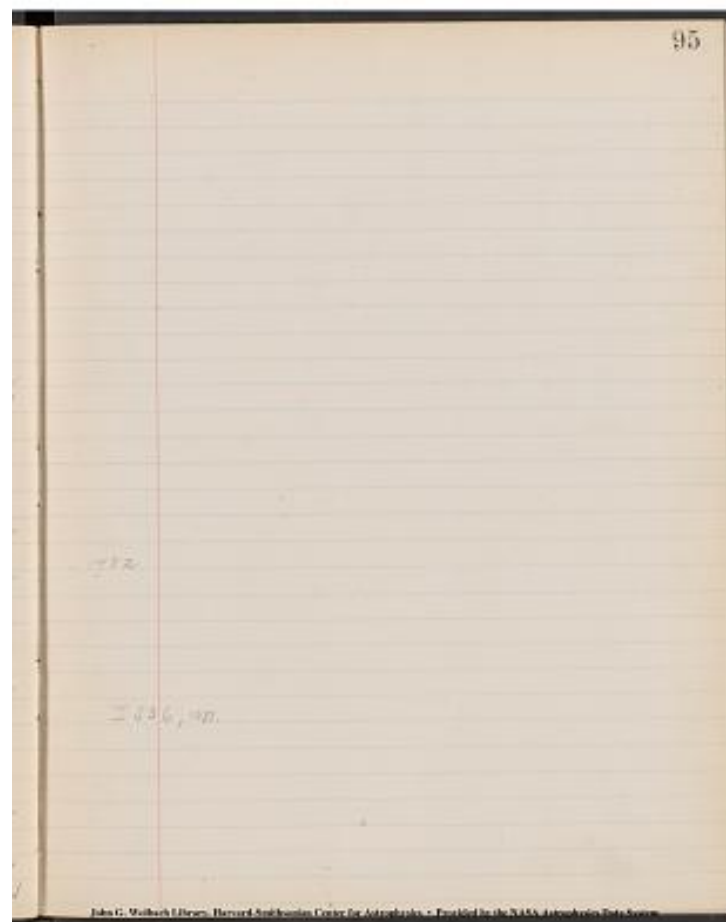
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1782

1536, 1081.



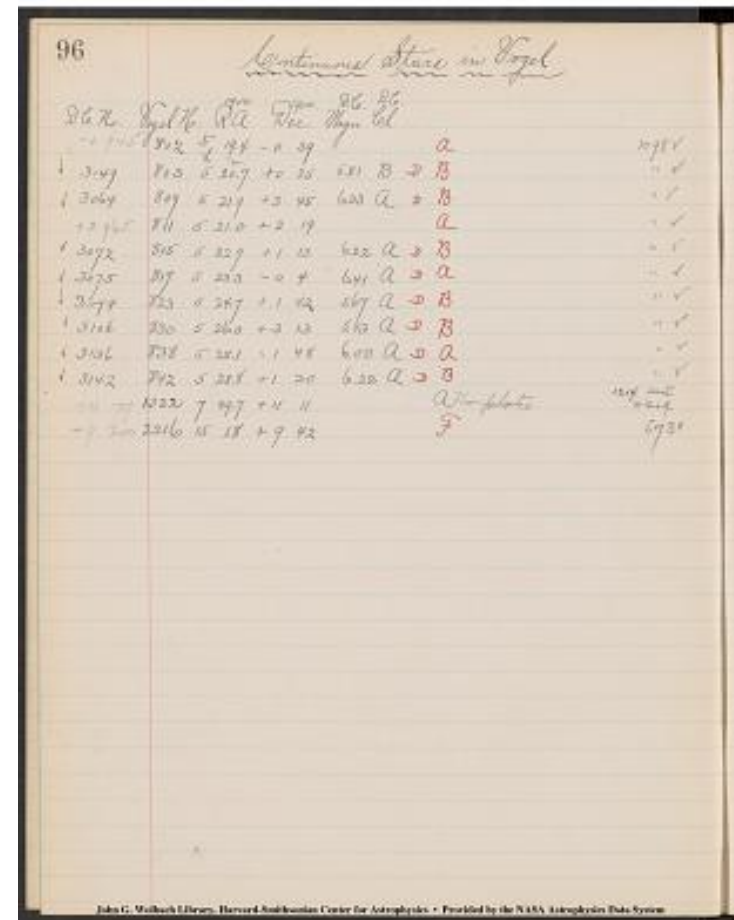
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Continuous Stars in Vogel

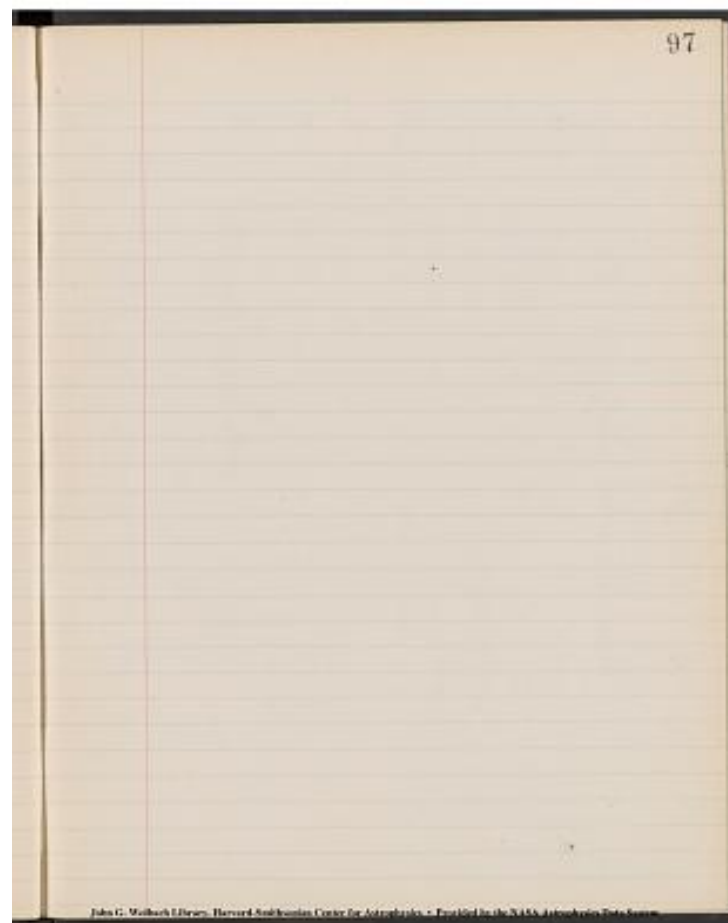
[[9 column table]]

D.C. No.	Vogel No.	R.A.^[[1900.]]	Dec.^[[1900.]]	Magn^[[D.C.]]

-0 945	802	5 19.4	-0 39			A	1098
3049	803	5^[[h]]	20.7^[[m]]		+0 25	5.81	B   D   B   1098
3064	809	5 21.9	+3 45		6.33	A	D   B   1098
+2 965	811	5 21.0	+2 14			A	1098
3072	815	5 22.9	+1 13		6.22	A	D   B   1098
3075	817	5 23.3	-0 4		6.41	A	D   A   1098
3094	823	5 24.7	+1 42		5.67	A	D   B   1098
3106	830	5 26.0	+3 13		5.13	A	D   B   1098
3136	838	5 28.1	-1 48		6.00	A	D   A   1098
3142	842	5 28.8	+1 20		6.22	A	D   B   1098
+11 1717	1322	7 49.7	+11 11			A	<del>No plate</del>
<del>1214</del>	<del>2319</del>	<del>12 14</del>	<del>23 19</del>	<del>12 14</del>	<del>23 19</del>	<del>12 14</del>	<del>23 19</del>
+9 3000	2216	15 1.8	+9 42			F	573



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Discordant Cases in Konkoly. A II up to Mangn  
6.5

[9 columns]

D.C. No. | Konkoly No. | 1900 R. A | 1900 Dec. | D.C. Magn. | D.C. Cl |  
 K. Cl. | 2nd Est. Cl. | Plates |  
 |---|---|---|---|---|---|

707 | 97 | 1 ^[[h]] 11.9 ^[[m]] | -2 48 | 6.0 | A | Ila | G | 2959 |  
 1294 | 165 | 2 12.0 | -6 53 | 5.5 | A | Ila | R. wrong ident. See List of  
 Errata 2960 |  
~~1481 | 183 | | 6.1 | A | Ila! | ~~2944~~~~  
~~2478 | 304 | 4 16.7 | -6 31 | 6.1 | A | Ila | A | 2944~~  
~~2949 | 381 | 5 11.5 | -11 28 | 5.8 | A | Ila | F | 2187~~  
~~2993 | 387 | 5 15.0 | -13 16 | 4.3 | A | Ila! | A | 2187~~  
~~3007 | 391 | 5 16.5 | -0 31 | 5.7 | A | Ila | A | ~~1830~~~~  
~~1098 |~~  
~~3171 | 419 | 5 30.7 | -4 55 | 5.5 | A | Ila | A | ~~1851~~~~  
~~12187 |~~  
~~3204 | 427 | 5 33.7 | -2 39 | 4.0 | A | Ila | A | 1851~~  
~~3205 | 428 | 5 33.8 | -6 38 | 5.5 | A | Ila? | B | ~~1851~~~~  
~~12187 |~~  
~~3234 | 431 | 5 35.7 | -2 53 | 6.0 | A | Ila | B | 1851~~  
~~3303 | 439 | 5 42.8 | -10 34 | 5.4 | A | Ila | A | ~~2345~~~~  
~~2187 |~~  
~~3306 | 441 | 5 43.0 | -9 42 | B | A | Ila | A x | ~~2345~~~~  
~~12187 |~~  
~~3321 | 444 | 5 45.0 | -14 30 | 6.0 | A | Ila | H | ~~2345~~~~  
~~12366 |~~  
~~3342 | 447 | 5 47.4 | -9 5 | 5.8 | A | Ila | A | 2345~~  
~~3447 | 468 | 5 59.4 | -6 42 | 5.1 | A | Ila | A | ~~2345~~~~  
~~1851 |~~  
~~3465 | 471 | 6 1.6 | -14 56 | 4.8 | A | Ila | A | ~~2345~~~~  
~~12399 |~~  
~~3598 | 503 | 6 14.9 | -7 47 | 5.2 | A | Ila? | A | 1831~~  
~~3627 | 510 | 6 18.0 | -3 14 | 6.0 | A | Ila | A | 1831~~  
~~3645 | 516 | 6 20.2 | -0 52 | 6.2 | A | Ila | F | 1831~~  
~~3840 | 546 | 6 45.7 | -0 25 | 6.0 | A | Ila | A | ~~1853~~~~  
~~1148 |~~  
~~4154 | 590 | 7 17.3 | -2 48 | 5.7 | A? | Ila? | F | 1853~~  
~~4160 | 588 | 7 17.5 | -5 48 | 5.5 | A | Ila | A | 1853~~  
~~4188 | 594 | 7 20.9 | -5 35 | 6.0 | A | Ila | E | 1853~~  
~~4229 | 600 | 7 24.8 | -14 47 | 5.7 | A | Ila | F | 1500~~  
~~4244 | 607 | 7 27.8 | -1 49 | 5.7 | A | Ila? | A | 2026~~  
~~4285 | 619 | 7 33.1 | -14 13 | 5.8 | A | Ila? | A | 2399~~  
~~4579 | 668 | 8 20.7 | -3 35 | 4.0 | A | Ila | A | 2346~~  
~~4943 | 730 | 9 10.7 | -14 36 | 5.6 | A | Ila? | A | ~~2356~~~~  
~~12169 |~~

98

*Discordant Cases in Konkoly. A II up to Mangn*

D.C. No.	Konkoly No.	1900 R. A	1900 Dec.	D.C. Magn.	D.C. Cl.	K. Cl.	2nd Est. Cl.	Plates
707	97	1 11.9	-2 48	6.0	A	Ila	G	2959
1294	165	2 12.0	-6 53	5.5	A	Ila	R. wrong ident. See List of Errata 2960	
<del>1481</del>	<del>183</del>							
<del>2478</del>	<del>304</del>	<del>4 16.7</del>	<del>-6 31</del>	<del>6.1</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>2944</del>
<del>2949</del>	<del>381</del>	<del>5 11.5</del>	<del>-11 28</del>	<del>5.8</del>	<del>A</del>	<del>Ila</del>	<del>F</del>	<del>2187</del>
<del>2993</del>	<del>387</del>	<del>5 15.0</del>	<del>-13 16</del>	<del>4.3</del>	<del>A</del>	<del>Ila!</del>	<del>A</del>	<del>2187</del>
<del>3007</del>	<del>391</del>	<del>5 16.5</del>	<del>-0 31</del>	<del>5.7</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>1830</del>
<del>1098</del>								
<del>3171</del>	<del>419</del>	<del>5 30.7</del>	<del>-4 55</del>	<del>5.5</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>1851</del>
<del>12187</del>								
<del>3204</del>	<del>427</del>	<del>5 33.7</del>	<del>-2 39</del>	<del>4.0</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>1851</del>
<del>3205</del>	<del>428</del>	<del>5 33.8</del>	<del>-6 38</del>	<del>5.5</del>	<del>A</del>	<del>Ila?</del>	<del>B</del>	<del>1851</del>
<del>12187</del>								
<del>3234</del>	<del>431</del>	<del>5 35.7</del>	<del>-2 53</del>	<del>6.0</del>	<del>A</del>	<del>Ila</del>	<del>B</del>	<del>1851</del>
<del>3303</del>	<del>439</del>	<del>5 42.8</del>	<del>-10 34</del>	<del>5.4</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>2345</del>
<del>2187</del>								
<del>3306</del>	<del>441</del>	<del>5 43.0</del>	<del>-9 42</del>		<del>B</del>	<del>A</del>	<del>Ila</del>	<del>A x</del>
<del>12187</del>								
<del>3321</del>	<del>444</del>	<del>5 45.0</del>	<del>-14 30</del>	<del>6.0</del>	<del>A</del>	<del>Ila</del>	<del>H</del>	<del>2345</del>
<del>12366</del>								
<del>3342</del>	<del>447</del>	<del>5 47.4</del>	<del>-9 5</del>	<del>5.8</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>2345</del>
<del>3447</del>	<del>468</del>	<del>5 59.4</del>	<del>-6 42</del>	<del>5.1</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>2345</del>
<del>1851</del>								
<del>3465</del>	<del>471</del>	<del>6 1.6</del>	<del>-14 56</del>	<del>4.8</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>2345</del>
<del>12399</del>								
<del>3598</del>	<del>503</del>	<del>6 14.9</del>	<del>-7 47</del>	<del>5.2</del>	<del>A</del>	<del>Ila?</del>	<del>A</del>	<del>1831</del>
<del>3627</del>	<del>510</del>	<del>6 18.0</del>	<del>-3 14</del>	<del>6.0</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>1831</del>
<del>3645</del>	<del>516</del>	<del>6 20.2</del>	<del>-0 52</del>	<del>6.2</del>	<del>A</del>	<del>Ila</del>	<del>F</del>	<del>1831</del>
<del>3840</del>	<del>546</del>	<del>6 45.7</del>	<del>-0 25</del>	<del>6.0</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>1853</del>
<del>1148</del>								
<del>4154</del>	<del>590</del>	<del>7 17.3</del>	<del>-2 48</del>	<del>5.7</del>	<del>A?</del>	<del>Ila?</del>	<del>F</del>	<del>1853</del>
<del>4160</del>	<del>588</del>	<del>7 17.5</del>	<del>-5 48</del>	<del>5.5</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>1853</del>
<del>4188</del>	<del>594</del>	<del>7 20.9</del>	<del>-5 35</del>	<del>6.0</del>	<del>A</del>	<del>Ila</del>	<del>E</del>	<del>1853</del>
<del>4229</del>	<del>600</del>	<del>7 24.8</del>	<del>-14 47</del>	<del>5.7</del>	<del>A</del>	<del>Ila</del>	<del>F</del>	<del>1500</del>
<del>4244</del>	<del>607</del>	<del>7 27.8</del>	<del>-1 49</del>	<del>5.7</del>	<del>A</del>	<del>Ila?</del>	<del>A</del>	<del>2026</del>
<del>4285</del>	<del>619</del>	<del>7 33.1</del>	<del>-14 13</del>	<del>5.8</del>	<del>A</del>	<del>Ila?</del>	<del>A</del>	<del>2399</del>
<del>4579</del>	<del>668</del>	<del>8 20.7</del>	<del>-3 35</del>	<del>4.0</del>	<del>A</del>	<del>Ila</del>	<del>A</del>	<del>2346</del>
<del>4943</del>	<del>730</del>	<del>9 10.7</del>	<del>-14 36</del>	<del>5.6</del>	<del>A</del>	<del>Ila?</del>	<del>A</del>	<del>2356</del>
<del>12169</del>								

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99

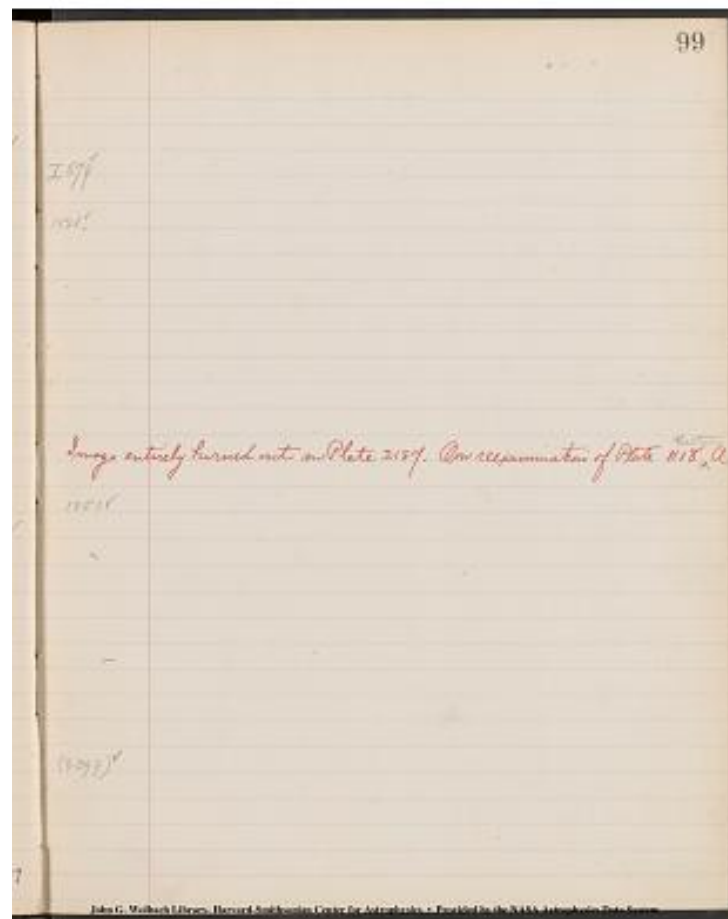
1579

1821.

Image entirely burned out on Plate 2187. On reexamination of Plate 1118. A.

1851

(2399)



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Discordant Cases in Konkoly. All up to Magn. 6.5

[8-column table]

D.C.No. | Konkoly No. | R.A.^[[1900]] Dec.^[[1900]] | Magn.^[[D.C.]] |  
Cl.^[[D.C.]] | Cl.^[[K.]] | Cl.^[[2nd Est.]] |  
--|--|--|--|--|--|--

5012|745|9^[[h.]] 18.0^[[m.]] -9° 24' 6.0 | A | II? | A | 2356  
5208|796|9 47.5 -7 38|5.3|a|II?|a|2347  
5265|819|10 0.2 -12 35|4.9|a|IIa|a|2462  
5406|865|10 26.1 -13 5|5.5|a|IIa|a|2437  
5673|895|11 11.5 -3 25|6.2|a|IIa|a|1296  
5675|896|11 11.6 -3 6|4.8|a|IIa|a|1296  
5676|897|11 11.9 -6 35|5.8|a|IIa|a|2471  
6029|958|12 5.3 -7 13|6.2|a|IIa|a|2472  
6263|1002|12 49.1 -11 6|5.9|a|IIa|a|2474  
6272|1005|12 50.6 -14 47|6.1|a|IIa|a|2474  
6864|1201|14 52.0 -3 56|4.6|a|IIa?|a?|2372  
6885|1212|12 56.8 -7 11|6.0|a|IIa|a|2372(2465)  
6993|1242|15 18.6 -0 40|5.6|a|IIa|a|575  
7181|1290|15 54.3 -7 1|5.9|a?|IIa|a|274  
7540|1403|17 15.2 -12 45|4.4|a|IIa|a|5461  
7617|1419|17 28.1 -5 40|6.0|a|IIa|a|D.C plate 1357  
7803|1460|17 52.0 +0 5|6.2|a|IIa|a|1483  
8219|1529|18 27.9 -14 56|5.5|a|IIa|a|5451  
8266|1535|18 32.5 -0 24|5.6|a|IIa|a|3168  
8971|1682|19 54.5 -2 14|5.6|a|IIa|a|647  
8982|1684|19 56.4 -13 55|5.5|a|IIa|a|2880  
9004|1689|19 59.2 -0 59|5.9|a|IIa|H|647  
9254|1770|20 46.8 -5 52|5.5|a|IIa|a|2955  
9408|1817|21 20.8 +0 6|6.1|a|IIa|a|1703  
9496|1836|21 37.7 -14 51|6.0|a|IIa|a|1855  
9600|1860|21 58.0 -7 1|6.1|a?|IIa?|II|2882  
10462|2014|23 56.7 -3 35|5.5|a?|IIa|a|3064

100

*Discordant Cases in Konkoly. All up to Magn. 6.5*

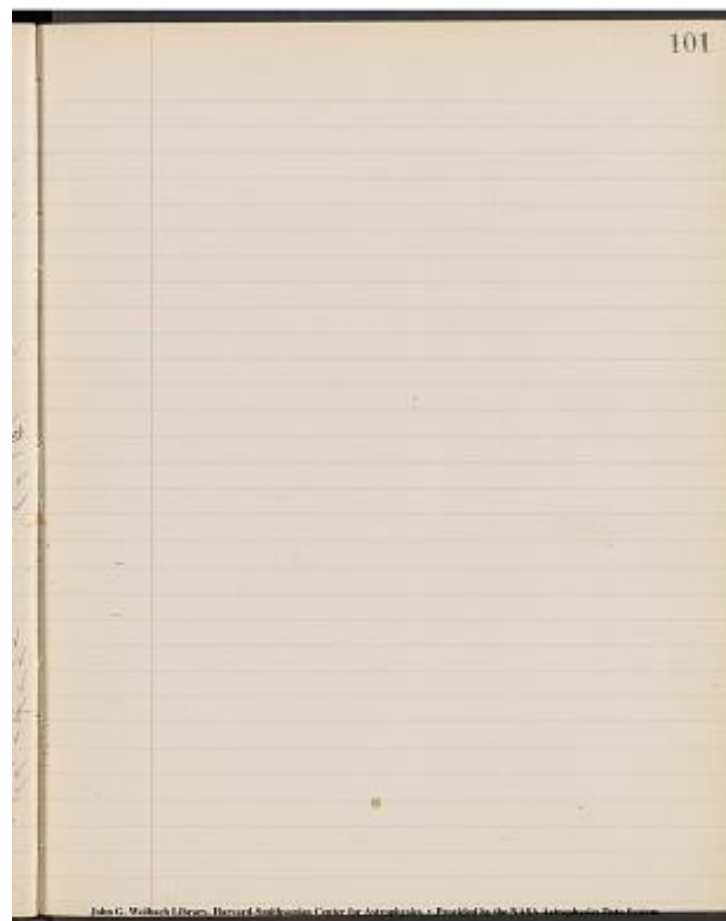
D.C. No.	Konkoly No.	R.A. 1900	Dec. 1900	Magn.	Cl. D.C.	Cl. K.	Cl. 2nd Est.	Notes
5012	745	9 18.0	-9° 24'	6.0	A	II?	A	2356
5208	796	9 47.5	-7 38	5.3	a	II?	a	2347
5265	819	10 0.2	-12 35	4.9	a	IIa	a	2462
5406	865	10 26.1	-13 5	5.5	a	IIa	a	2437
5673	895	11 11.5	-3 25	6.2	a	IIa	a	1296
5675	896	11 11.6	-3 6	4.8	a	IIa	a	1296
5676	897	11 11.9	-6 35	5.8	a	IIa	a	2471
6029	958	12 5.3	-7 13	6.2	a	IIa	a	2472
6263	1002	12 49.1	-11 6	5.9	a	IIa	a	2474
6272	1005	12 50.6	-14 47	6.1	a	IIa	a	2474
6864	1201	14 52.0	-3 56	4.6	a	IIa?	a?	2372
6885	1212	12 56.8	-7 11	6.0	a	IIa	a	2372(2465)
6993	1242	15 18.6	-0 40	5.6	a	IIa	a	575
7181	1290	15 54.3	-7 1	5.9	a?	IIa	a	274
7540	1403	17 15.2	-12 45	4.4	a	IIa	a	5461
7617	1419	17 28.1	-5 40	6.0	a	IIa	a	D.C. plate 1357
7803	1460	17 52.0	+0 5	6.2	a	IIa	a	1483
8219	1529	18 27.9	-14 56	5.5	a	IIa	a	5451
8266	1535	18 32.5	-0 24	5.6	a	IIa	a	3168
8971	1682	19 54.5	-2 14	5.6	a	IIa	a	647
8982	1684	19 56.4	-13 55	5.5	a	IIa	a	2880
9004	1689	19 59.2	-0 59	5.9	a	IIa	a	647
9254	1770	20 46.8	-5 52	5.5	a	IIa	a	2955
9408	1817	21 20.8	+0 6	6.1	a	IIa	a	1703
9496	1836	21 37.7	-14 51	6.0	a	IIa	a	1855
9600	1860	21 58.0	-7 1	6.1	a?	IIa?	a?	2882
10462	2014	23 56.7	-3 35	5.5	a?	IIa	a	3064

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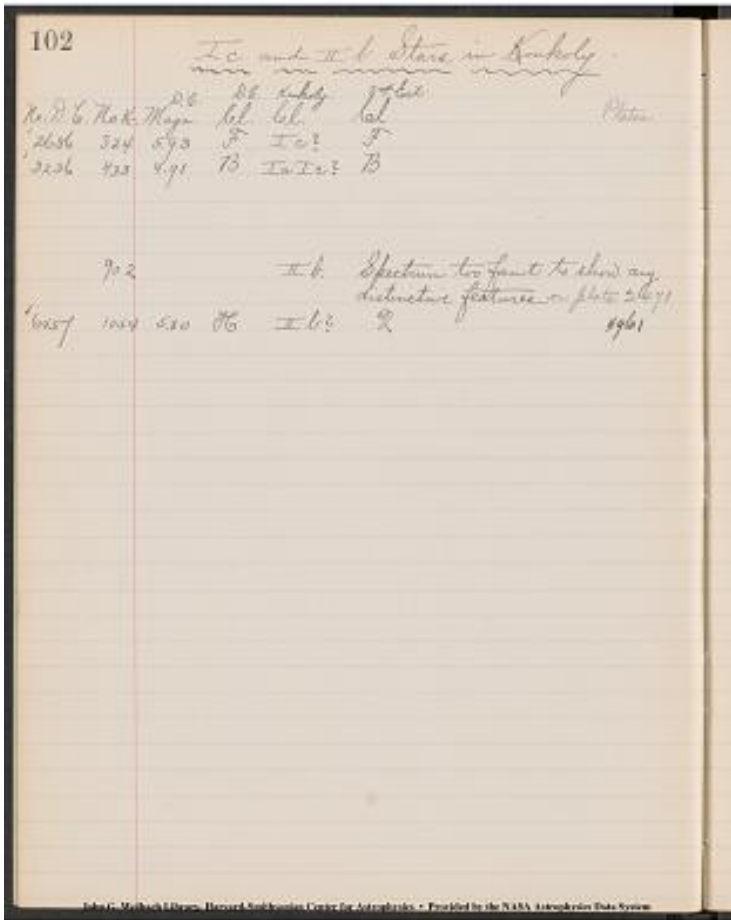
Ic and Ilb Stars in Konkoly

[[ 7 column table]]  
| No. D.C. | No. K. | D.C. Magn. | D.C. Cl. | Konkoly. Cl. | 2nd Est. Cl. |  
Plates |  
| --- | --- | --- | --- | --- | --- |

| 2686 | 324 | 5.93 | F | Ic? | F | |  
| 3236 | 433 | 4.91 | B | Ialc? | B | |

| | 902 | | | Il b. | Spectrum too faint to show any distinctive features  
on plate 2471 | |  
| 6457 | 1054 | 5.80 | H | Il b? | Q | 4961 |

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[[7 column table]]

[[~~strickethrough~~]] No. [[~~strickethrough~~]] | No. K [[~~strickethrough~~]] Prec  
 [[~~strickethrough~~]] R.A. Dec. [[~~strickethrough~~]] Amt. Prec. [[~~strickethrough~~]]  
 R.A. Dec. | Prec. R.A. Dec. | Amt. Prec. R.A. Dec. |  
 | R.A. 1880. Dec. 1880. |  
 |---|---|---|---|---|

|Cl. 1800|9235|4^[[h]] 44^[[m]] 35^[[s]] 25 +0° 7' 54.5"|+3.073^[[s]]  
 +6.482"|+4^[[m]] 5.84^[[s]] +8' 38.6"|4^[[h]] 48^[[m]] 41.09^[[s]] +0° 16'  
 33.1"|

|Weisse 1825|1041|4 45 52.63 +0 10 34.2| | +2 49.02|+5 556.5|4 48  
 41.65 +0 16 30.7|

|A.G.C. 1875| | | | | |

|Konkoly 1880|333| | | | | 4 48 41 - 0 16.5|

|D.C. 1900|2737|4 49.7 +0.19| | -1 1.46|-2 9.6|4 48.7 + 0 17|

|Cl. 1800| | | | | |

|Weisse 1825|591|6 18 14.78 +0 23 48.4|+3.079-1.60|+2 49.34|-1 28.0|6  
 21 4.12 +0 22 20.4|

|A.G.C. 1875| | | | | |

|Konkoly 1880|523| | | | | 6 21 57 +0 22.3|

|D.C. 1900|3662|[[~~strickethrough~~]]57[[~~strickethrough~~]]|6 22.1 +0 21| | -1  
 1.58|+0 32.0|6 21.1 +0 22|

|Cl. 1800|6|13059|6 36 54.18-14 41 37.2| | +3 38.24|-4 40.8|6 40 32.42  
 - 14 46 18.0|

|Weisse 1825|6|1198?|6 38 2.45-14 37 6.1| | +2 30.04|-3 13.0|6 40  
 32.49 - 14 40 19.1|

|A.G.C. 1875|8367|6 40 18.59-14 39 53.9|+2.728^[[s]] -3.510"|+ 13.64|-  
 17.6|6 40 32.23 - 14 40 11.5|

|Konkoly 1880|534| | | | | 6 40 54 - 14 45.9|

|D.C. 1900|3800|6 41.4 - 14 42| | -54.56|+1 10.2|6 40.5 - 14 41|

|Cl. 1800|13070|6 37 11.07 -10 1 15.7| | +3 47.28|-4 43.6|6 40 58.35 -  
 10 5 59.3|

|Weisse 1825|1207?|6 38 21.81 -9 55 39.7| | +2 36.26|-3 15.0|6 40  
 58.07 - 9 58 54.7|

|A.G.C. 1875|8380|6 40 44.11 -9 58 31.4|+2.841 -3.545|+14.20|-17.7|6  
 40 58.31 - 9 58 49.1|

|Konkoly 1880|536| | | | | 6 40 48 - 10 5.6|

|D.C. 1900|3804|6 41.9 -10 1| | -56.82|+1 10.9|6 41.0

[[~~strickethrough~~]]40.9[[~~strickethrough~~]] - 10 0|

[[horizontal line breaks up the table]]

|Cl. 1800|13077|6 37 26.13 - 14 19 12.5| | +3 38.80|-4 44.5|6 41 4.93 -  
 14 23 57.0|

|Weisse 1825|1222|6 38 52.55 - 14 14 47.8| | +2 30.42|-3 15.6|6 41  
 22.97 - 14 18 3.4|

104

Cl. 1800 9235 4<sup>h</sup> 44<sup>m</sup> 35<sup>s</sup> 25 +0° 7' 54.5" +3.073<sup>s</sup>  
 +6.482" +4<sup>m</sup> 5.84<sup>s</sup> +8' 38.6" 4<sup>h</sup> 48<sup>m</sup> 41.09<sup>s</sup> +0° 16'  
 33.1"

Weisse 1825 1041 4 45 52.63 +0 10 34.2 | +2 49.02 | +5 556.5 | 4 48  
 41.65 +0 16 30.7

A.G.C. 1875 | | | | | |

Konkoly 1880 333 | | | | | 4 48 41 - 0 16.5

D.C. 1900 2737 4 49.7 +0.19 | -1 1.46 | -2 9.6 | 4 48.7 + 0 17

---

Cl. 1800 | | | | | |

Weisse 1825 591 6 18 14.78 +0 23 48.4 | +3.079 -1.60 | +2 49.34 | -1 28.0 | 6  
 21 4.12 +0 22 20.4

A.G.C. 1875 | | | | | |

Konkoly 1880 523 | | | | | 6 21 57 +0 22.3

D.C. 1900 3662 [[~~strickethrough~~]] 57 [[~~strickethrough~~]] | 6 22.1 +0 21 | | -1  
 1.58 | +0 32.0 | 6 21.1 +0 22

---

Cl. 1800 6 13059 6 36 54.18 -14 41 37.2 | +3 38.24 | -4 40.8 | 6 40 32.42  
 - 14 46 18.0

Weisse 1825 6 1198? 6 38 2.45 -14 37 6.1 | +2 30.04 | -3 13.0 | 6 40  
 32.49 - 14 40 19.1

A.G.C. 1875 8367 6 40 18.59 -14 39 53.9 | +2.728<sup>s</sup> -3.510" | +13.64 | -  
 17.6 | 6 40 32.23 - 14 40 11.5

Konkoly 1880 534 | | | | | 6 40 54 - 14 45.9

D.C. 1900 3800 6 41.4 - 14 42 | -54.56 | +1 10.2 | 6 40.5 - 14 41

---

Cl. 1800 13070 6 37 11.07 -10 1 15.7 | +3 47.28 | -4 43.6 | 6 40 58.35 -  
 10 5 59.3

Weisse 1825 1207? 6 38 21.81 -9 55 39.7 | +2 36.26 | -3 15.0 | 6 40  
 58.07 - 9 58 54.7

A.G.C. 1875 8380 6 40 44.11 -9 58 31.4 | +2.841 -3.545 | +14.20 | -17.7 | 6  
 40 58.31 - 9 58 49.1

Konkoly 1880 536 | | | | | 6 40 48 - 10 5.6

D.C. 1900 3804 6 41.9 -10 1 | -56.82 | +1 10.9 | 6 41.0  
 [[~~strickethrough~~]] 40.9 [[~~strickethrough~~]] - 10 0

---

Cl. 1800 13077 6 37 26.13 - 14 19 12.5 | +3 38.80 | -4 44.5 | 6 41 4.93 -  
 14 23 57.0

Weisse 1825 1222 6 38 52.55 - 14 14 47.8 | +2 30.42 | -3 15.6 | 6 41  
 22.97 - 14 18 3.4

John G. Mather & David H. Brown, Harvard-Smithsonian Center for Astrophysics. Provided by the NASA Astrophysics Data System

|A.G.C. 1875|8385|6 40 51.00 - 14 23 32.7|+2.7.5 - 3.556|+ 13.68|  
17.8|6 41 4.68 - 14 23 50.5|  
|Konkoly 1880|537| | | |6 41 58 - 14 23.6|  
|D.C. 1900|3805|6 41.9 - 14 26| |- 54.70|+1 11.1|6 41.0 - 14 25|

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[[6 Column Table]]

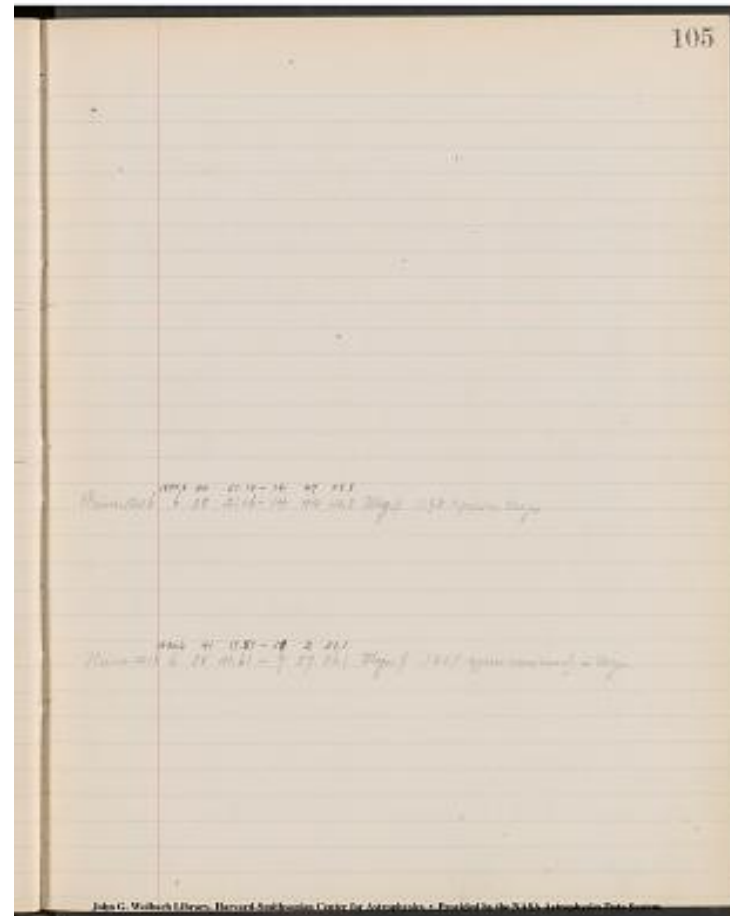
---|---|---|---|---|---

| 1880.6 | 40 51.10 -14 | 47 | 53.3 | |

Weisse 1206 | 6 | 38 21.06 -14 | 44 | 40.3 | Mag. 9. 1198 agrees in Magn.

| 1880.6 | 41 17.87 -11 2 | 51.1 | |

Weisse 1218 | 6 | 38 41.61 -9 | 59 | 36.1 | Magn. 9. 1207 agrees more nearly in Magn.



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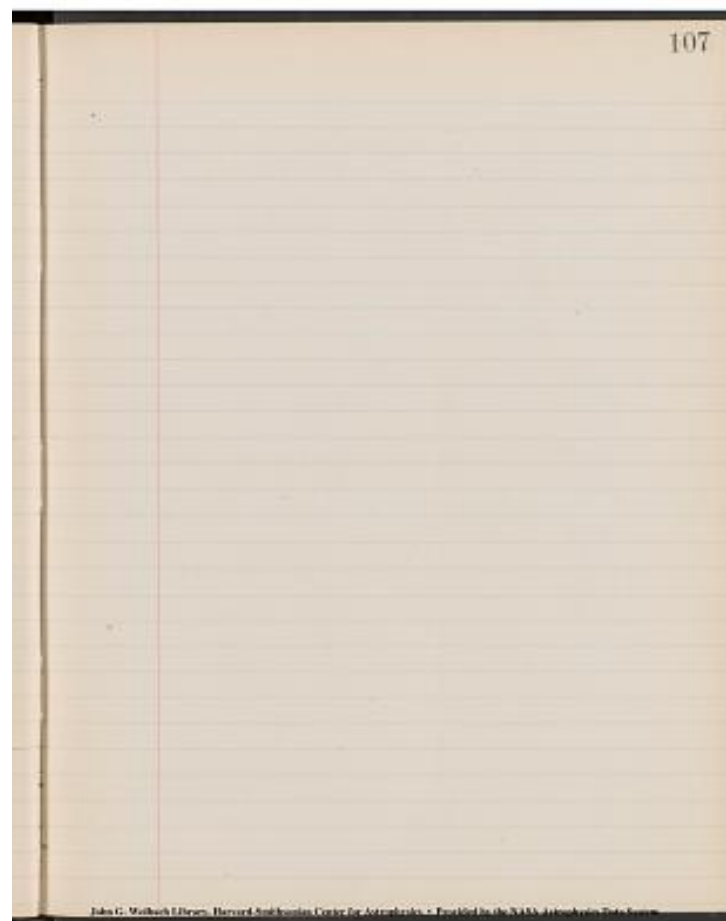


|Cl. 1800|14594|7 19 42.40 -7 9 22.8|---|+3 52.96|-9 30.7  
|~~2~~|7 23 35.36 -7 18 53.5|  
|Weisse 1825|686|7 20 55.27 -7 12 14.3| | +2 40.16|-6 32.4|7 23 35.43 -  
7 18 46.7|  
|A.G.C. 1875|9600|7 23 21.30 - 7 17 57.3|+2.912-7.134|+ 14.56|- 35.7|7  
23 35.86 -7 18 33.0|  
|Konkoly 1880|598| | | |7 23 36 -7 10.5|  
|D.C. 1900|4228|6 24.6 -7 21| |-58.24|+2 22.7|7 23.6 -7 19|

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. Provided by the NASA Astrophysics Data System



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[[7 column table]]

| [No. K]R.A. Dec.|Prec. R.A. Dec.|R.A.|Amt. Prec. Dec.|R.A. 1880 Dec.  
1880|  
|---|---|---|---|---|

[Cl. 1800|17370|8^[[h]] 38^[[m]] 25.87^[[s]] -0° 18' 50.9|][~~17370~~]  
+2.946 -14.524|][~~17370~~]+4^[[m]] 4.96^[[s]]|-17' 23.3|8 42 30.83 -  
0 36 14.2|  
[Weisse 1825|1066|8 39 42.68 - 0 24 19.1|---|+2 48.41|-11 57.3|8 42  
30.31.09 - 0 36 16.4|  
[A.G.C. 1875|11918|8 42 15.56 -0 35 4.6|+3.062 -13.041|+15.31|-1 5.2|8  
42 30.87 -0 36 9.8|  
[Konkoly 1880|703| | | | 8 42 5 -0 35.9|  
[D.C. 1900| | | | | |

[Cl. 1800|18272|9 5 33.10 -7 39 33.5|? ? +2.946 -14.524|+3 55.68|-19  
21.9|9 9 28.78 -7 58 55.4|  
[Weisse 1825|159|9 6 46.93 -7 45 41.3| | +2 42.03|-13 18.8|9 9 28.96 -7  
59 0.1|  
[A.G.C. 1875| | | | | |  
[Konkoly 1880|729| | | | 9 9 29 -7 52.9|  
[D.C. 1900|4942|9 10.5 -8 4| | -58.92|+4 50.5|9 9.5 -7 59|

[Cl. 1800|18633|9 17 51.48 -0 23 24.0| | +4 4.96|-20 41.0|9 21 56.44 - 0  
44 5.0|  
[Weisse 1825|460|9 20 7.65 -0 29 47.7| | +2 48.41|-14 13.2|9 22 56.06 -  
0 44 0.9|  
[A.G.C. 1875|12896|9 22 40.53 - 0 42 44.7|+3.062 -15.512|+15.31|-1  
17.6|9 22 55.84 -0 44 2.3|  
[Konkoly 1880|756| | | | 9 21 57 -0 43.7|  
[D.C. 1900|5046|9 24.0 - 0 49| | -1 1.24|+5 10.2|9 23.0 -0 44|

[Cl. 1800|18643|9 18 15.82 -1 20 15.4| | +4 3.92|-20 42.7|9 22 19.74 -1  
40 58.1|  
[Weisse 1825| | | +2 47.70|-14 14.4| |  
[A.G.C. 1875|12908|9 23 4.28 -1 39 35.2|+3.049 -15.534|+15.24|-1  
17.7|9 23 19.52 - 1 40 52.9|  
[Konkoly 1880|758| | | | 9 22 20 -1 40.6|  
[D.C. 1900|5050|9 24.4 -1 46| | -1 0.98|+5 10.7|9 23.4 -1 41|

The image shows a handwritten astronomical data page, likely from a 19th-century catalog. The page is numbered '108' in the top left corner. It contains a table with multiple columns of data, including right ascension (R.A.), declination (Dec.), and other astronomical parameters. The entries are written in cursive script, and the table is organized into several rows, each corresponding to a different astronomical object or observation. The handwriting is clear and legible, and the page is well-preserved.

|Cl. 1800|18657|9 18 52.04 -5 11 42.7| | +3 59.20|-20  
36.1|~~08~~|9 22 51.24 - 5 32 18.8|  
|Weisse 1825|439?|9 19 6.19 -5 18 42.5| | +2 44.45|-14  
9.8|~~0~~|9 21 50.64 -5 32 52.3|  
|A.G.C. 1875|12867|9 21 35.16 -5 31 35.5|+2.990 -15.451|+14.95|-1  
17.3|9 21 50.11 -5 32 52.8|  
|Konkoly 1880|761| | | |9 22 51 -5 32.7|  
|D.C. 1900|5041|9 22.8 -5 ~~3~~ 38| |-  
59.80|+5 9.8|9 21.8 -5 33|

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C

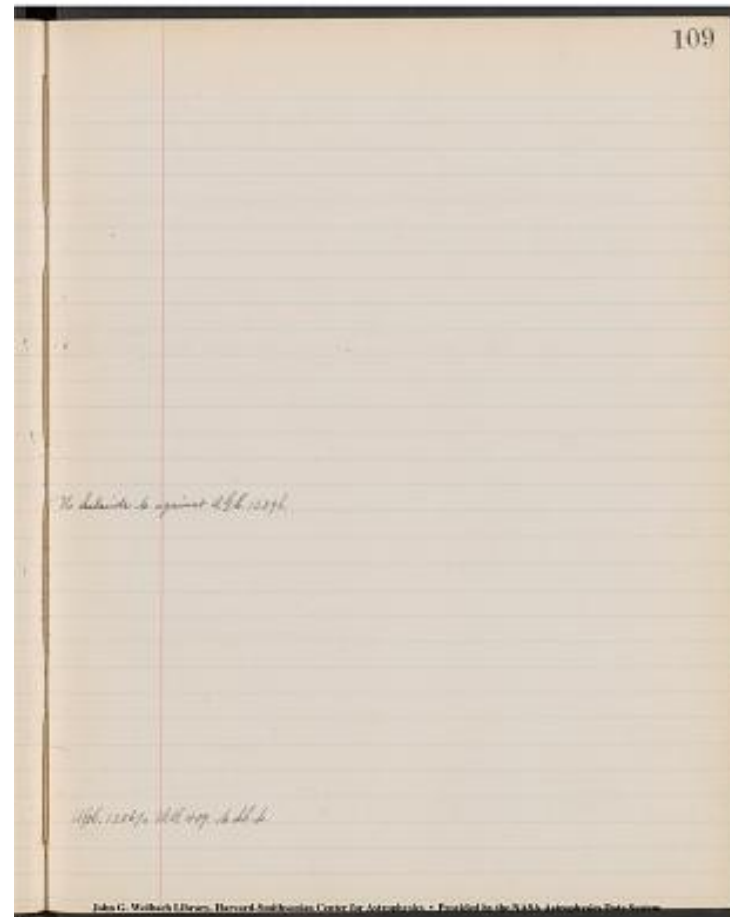
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No Salade No. against A.G.C. 12896.

A.G.C.12867= W.B. 439. No [[?]]el. No.



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[Sl. 1800|29270|15 54 47.17 -5 44 4.0| |+4 15.44|-13 27.8|16 0 2.61 -5 57 31.8|  
[Weisse 1825|1099|15 56 7.15 -5 48 23.1 15 56 24.88 -5 48 29.9| |+2 55.61|-9 15.3|15 59 2.76 -5 57 38.4 15 59 20.49 -5 57 45.2|  
[A.G.C. 1875|21829|15 59 4.41 -5 56 39.2|+3.193 -10.097|+15.96|-50.5|15 59 20.37 -5 57 49.7|  
[Konkoly 1880|1298| | | |15 59 2 -5 58.0|  
[D.C. 1900|7214|16 0.4 -6 1| |-1 3.86|+3 21.9|15 59.4 -5 58|

|Sl. 1800|35054|18 40 36.35 - 3 28 40.5| | +4 12.08|+5 11.6|18 44 48.43  
 -3 23 28.9 ~~52.1~~  
 |Weisse 1825|1098 ~~1105~~|18 41 54.83 - 3  
 27 21.0 ~~18 42 10.63 - 3 30 54.8~~ | +2  
 53.30|+3 34.2|18 44 48.13 -3 23 46.8|  
 |A.G.C. 1875|25798 ~~25813~~|18 44 32.05 -  
 3 24 12.6 ~~18 44 48.19 -3 27 43.0~~|+3.151  
 +3.895|+15.76|+19.5|18 44 47.81 -3 23 53.1|  
 |Konkoly 1880|1558| | | |18 44 48 - 3 33.4|  
 |D.C. 1900|8414|18 45.8 - 3 22| -1 3.02|-3 34.2|18 44.8 -3 23|

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Cl. precession used for reduction of Konkoly 913.

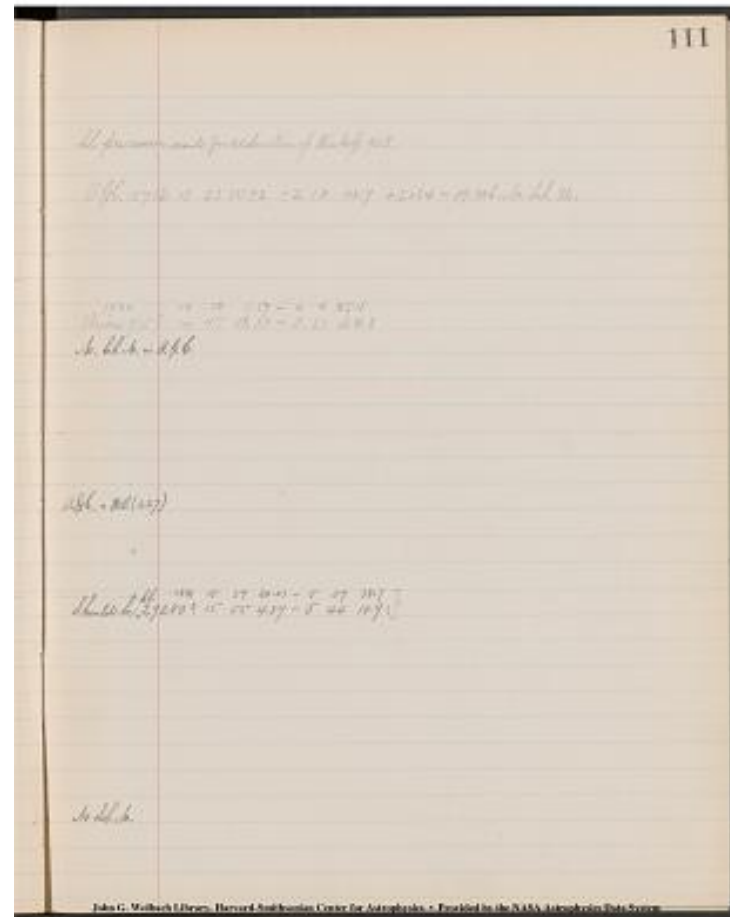
A.G.C. 15716 11 23 55.72 -2 18 48.7 +3.064 -19.806. No. Lb. No.

1880 14 50 5.59 -4 4 55.4  
Weisse 915? 14 47 13.33 -3 51 24.3  
No. Lb. No. in A.G.C.

A.G.C. = W.B.(227)

1880 15 59 20.01- 5 57 38.7}  
Should be Cl.29280? 15 55 4.57 -5 44 10.9}

No. Lb. No.



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[[6 columns]]

| No. K. | R.A. Dec. | Prec. R.A. Dec. |  
 Amt. Prec R.A. Dec. | R.A. 1800 Dec. 1880. |  
 |---|---|---|---|

Cl. 1800 | 40884 | 206<sup>h</sup> 56<sup>m</sup> 33.73<sup>s</sup> -1° 33' 42.5" | +4<sup>m</sup> 7.68<sup>s</sup> +18' 56.6" | 21<sup>h</sup> 04<sup>m</sup> 41.41<sup>s</sup> -1° 14' 45.9"  
 Weisse 1825 | 1526? | 20 58 21.21 -1 27 51.9 | 20 57 50.12 -1 39 33.3 | +2 50.28 +13 1.4 | 21 11.49 -1 14 50.5  
 AGC. 1875 | 28962 | 21 0 25.81 -1 27 45.9 | +3.096+ 14.207 | +15.48+1 11.0 | 21 0 41.29 -1 26 34.9  
 Konkoly 1880 | 1799 | | | 21 0 41 -1 15.1 |  
 Db. 1900 | | ..... | | |

Cl. 1800 | 40907 | 20 57 3.61 -1 47 19.9 | +4 7.52 +18 59.0 |  
 Weisse 1825 | 1547? | 20 59 7.18 -1 41 24.2 |  
 AGC. 1875 | 40907 | 21 0 55.64 -1 15 59.9 | +3.094 +14.237 | +15.47  
 +1 11.2 | 21 1 11.11 -1 14 48.7  
 Konkoly 1880 | 1801 | | | 21 1 12 -1 28.7  
 Db. 1900 | | | | |

Cl 1800 | 7858 | 4 2 25.19 -4 36 17.7 | +2.976+9.846 | +3 58.08 +13 7.7 | 4 6 23.27 -4 23 10.0  
 Weisse 1825 | 92 | 4 4 4.36 -4 27 57.6 | +243.68  
 AGC. 1875 | | ..... | | |  
 Konkoly 1880 | 286 | | | 4 6 23 -4 23.2  
 D.b. 1900 | | | | |  
 DM -4° 763 Se. | 4 5 9.1 -4 46.8 | +114.4 +46.2 | 4 6 23.5 -4 40.6  
 Weisse 1825 | 40.6 | 42.7

112

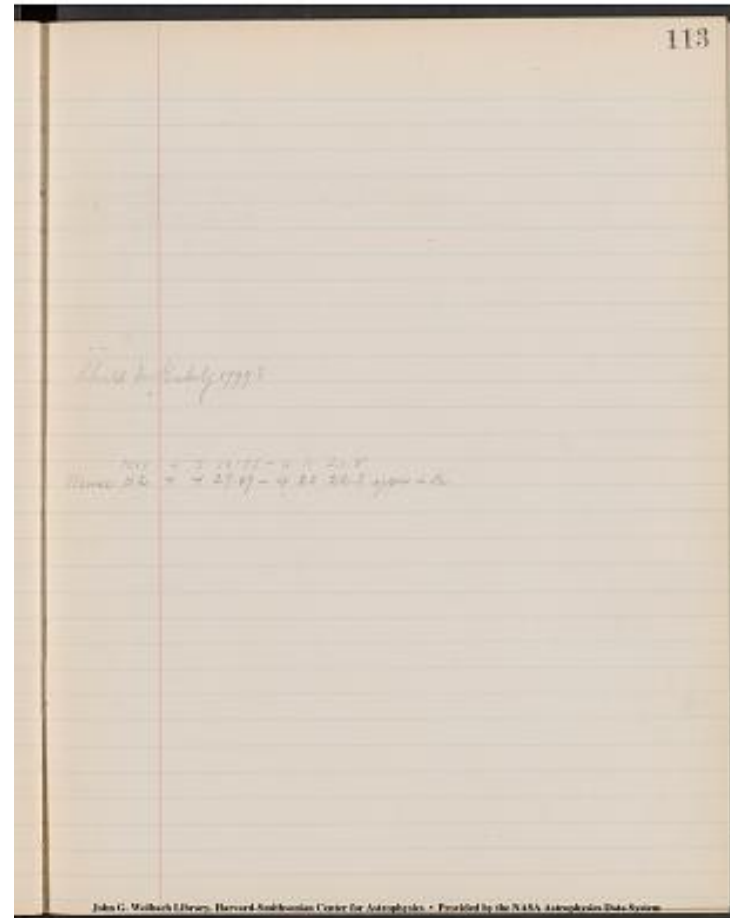
Cl. 1800	Weisse 1825	AGC. 1875	Konkoly 1880	Db. 1900
40884	1526?	28962	1799	
40907	1547?	40907	1801	
7858	92		286	

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Should be Konkoly 1799?

1880 4 7 12.77 -4 11 20.8  
Weisse 102 4 4 29.09 -4 20 22.3 agrees in Br.



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114

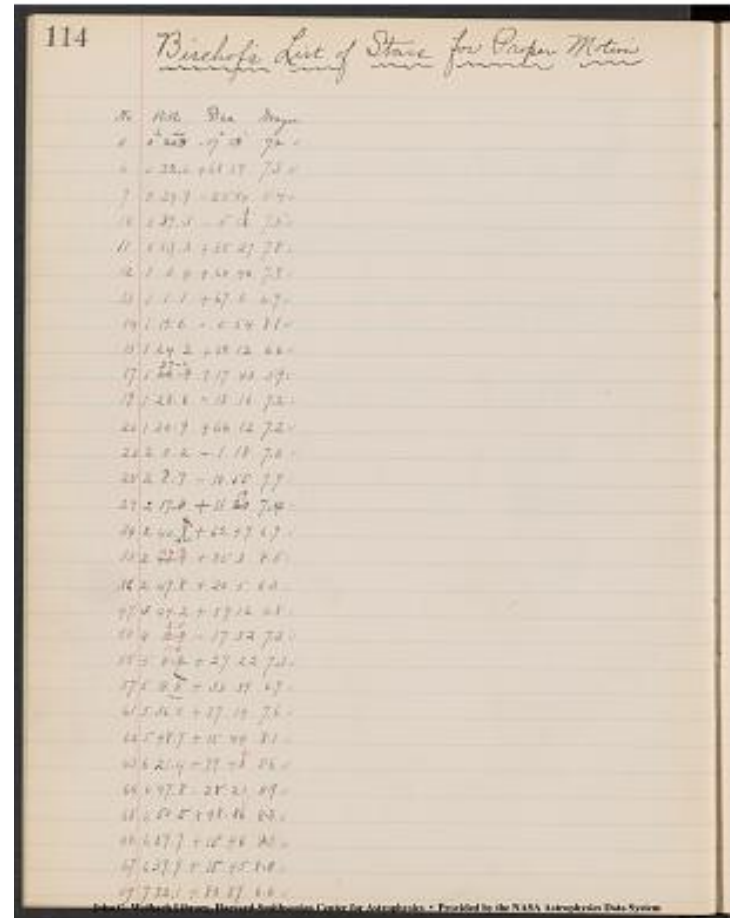
Bischof's List of Stars for Proper Motion

[[4-column table]]

No. | Ra. | Dec. | Magn.

--- | --- | --- | ---

4	0	20.3	-17° 13'   7.2
6	0	22.6	+68 59   7.3
7	0	29.9	-25 34   5.4
10	0	39.3	-5 1 <del>26.9</del> 2 <del>27.0</del> 3   7.5
11	0	53.3	+68 27   7.8
12	1	0.4	+60 46   7.9
13	1	1.1	+67 0   6.9
14	1	19.6	-0 54   8.1
15	1	24.2	+68 12   6.6
17	1	<del>26.9</del> 26.9	<del>27.0</del> +17 43   5.9
19	1	28.8	-18 16   7.2
20	1	30.9	+66 12   7.2
23	2	0.2	-1 18   7.0
25	2	8.9	-18 55   7.9
29	2	17.8	+11 <del>20</del> 19   7.4
34	2	40. <del>7</del>	<del>7</del> <del>6</del> <del>6.9</del>
35	2	<del>43.9</del> 43.9	<del>44.0</del> +35 3   8.5
36	2	49.8	+20 5   6.0
47	3	44.2	+59 12   6.8
50	4	<del>2.9</del> 2.9	<del>3.0</del> -17 52   7.3
55	5	<del>0.9</del> 0.9	<del>1.0</del> +27 22   7.3
57	5	18. <del>5</del>	<del>5</del> <del>4</del> <del>6.9</del>
61	5	36.0	+37 14   7.6
62	5	48.7	+15 44   8.1
63	6	21.4	+79 4 <del>3</del> 2   5.6
64	6	47.8	-28 21   5.9
65	6	50.5	+48 36   8.3
66	6	59.7	+15 46   8.0
67	6	59.9	+15 45   8.0
69	7	32.1	+80 37   6.6



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Plate Nos.

4232, I1996.  
2098  
5588  
2959  
2098  
1730  
1730  
2038^2  
1730  
2906  
2130  
1730  
1738  
4307  
1649^2  
1898  
1875  
2156  
3090, I2260.  
I544  
1822  
I498  
2018  
1037  
No plate.  
4659  
3076  
2325  
2325  
No plate.



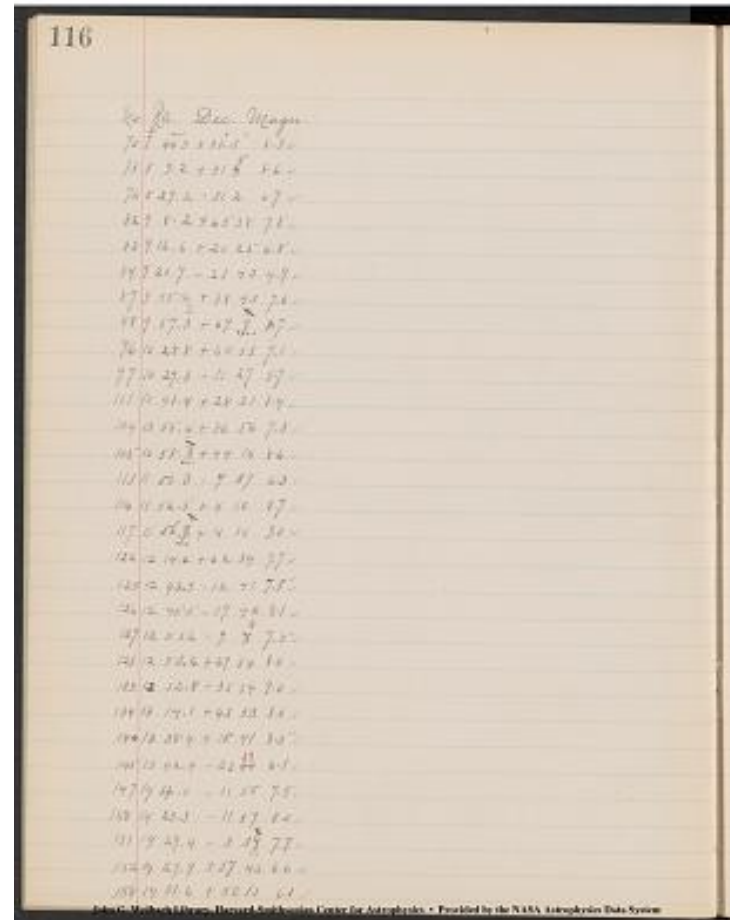
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[[3 columns]]

No. | Ra. Dec. | Magn. |

---|---|---

70 | 7<sup>h</sup> 44.3<sup>m</sup> +31° 3' | 8.3  
 73 | 8 9.2 +31. ~~5~~ | 5 | 8.6  
 76 | 8 27.2 -31 2 | 6.7  
 82 | 9 8.2 +6538 | 7.8  
 83 | 9 16.6 +20 25 | 6.8  
 84 | 9 20.7 -21 43 | 4.9  
 87 | 9 55. ~~1~~ | 2+ 38 43 | 7.0  
 88 | 9 57. ~~1~~ | 2 +69 9 | 8  
 | 8.7  
 96 | 10 28.8 +60 53 | 7.1  
 97 | 10 29.3 -11 27 | 5.7  
 101 | 10 48.4 +28 31 | 8.4  
 104 | 10 55.4 +36 56 | 7.3  
 105 | 10  
 58. ~~3~~ | 2 |  
 +44 16 | 8.6  
 113 | 11 53.3 -9 37 | 6.3  
 116 | 11 56.5 +4 10 | 8.7  
 117 | 11 56. ~~7~~ | 6 | 10 | 9.0  
 122 | 12 14.6 +6.2 34 | 7.7  
 125 | 12 43.9 -12 41 | 7.5  
 126 | 12 45.5 -17 42 | 8.1  
 127 | 12 51.6 -9 | 4 | 3 | 7.5  
 128 | 12 53.6 +69 34 | 8.0  
 133 | 13 12.8 +35 54 | 9.0  
 134 | 13 14.1 +43 53 | 8.0  
 140 | 13 38.4 +15 41 | 8.5  
 145 | 13 42.4 -23 | 40 | 39 | 6.1  
 147 | 14 4.0 -11 55 | 7.5  
 148 | 14 23.3 -11 59 | 8.0  
 151 | 14 29.4 -3 3 | 9 8 | 7.7  
 152 | 14 29.9 +57 43 | 6.6  
 158 | 14 51.6 +50 13 | 6.1

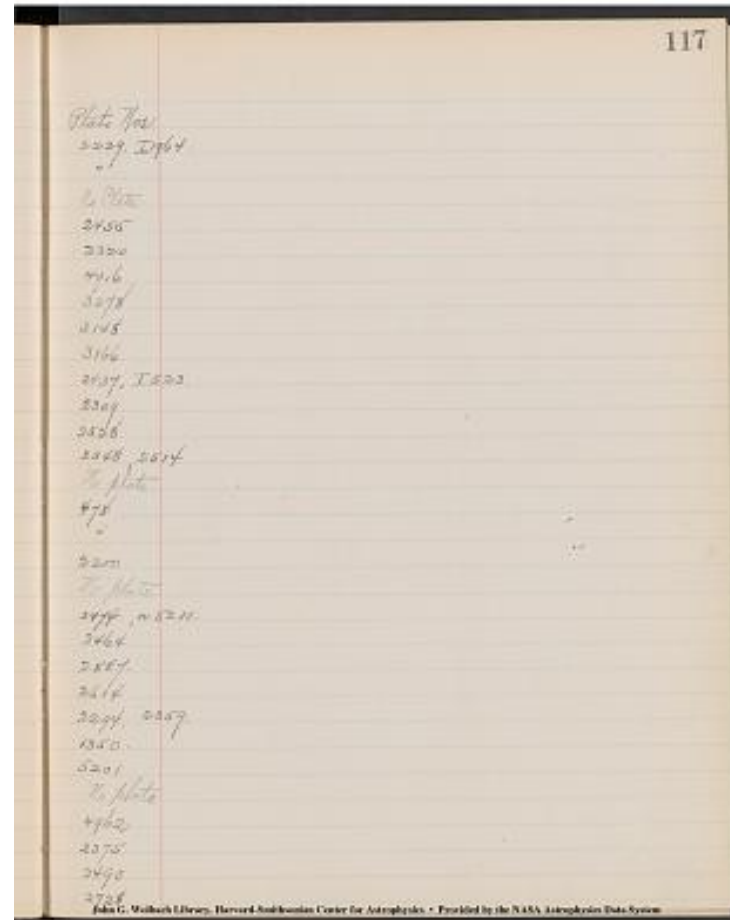


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 C  
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Plate Nos.

2229. 11964.  
2229.  
No Plate  
2455  
2320  
4916  
3278  
3148  
3166  
2437, 1523.  
2309  
2528  
2348, 2514  
No plate  
478  
478  
2200  
No plate  
2474, or 5211.  
2464  
2587.  
2614  
2294. 2359.  
1350.  
5201  
No plate  
4962  
2375  
2490  
2728



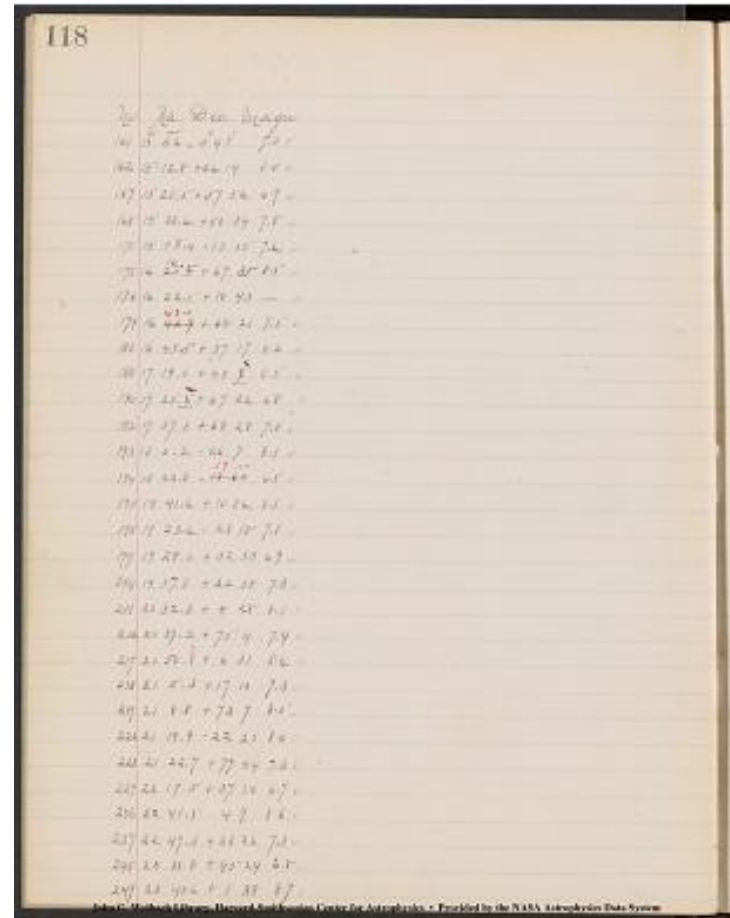
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[[3-column table]]

No. | Ra. Dec. | Magn.]

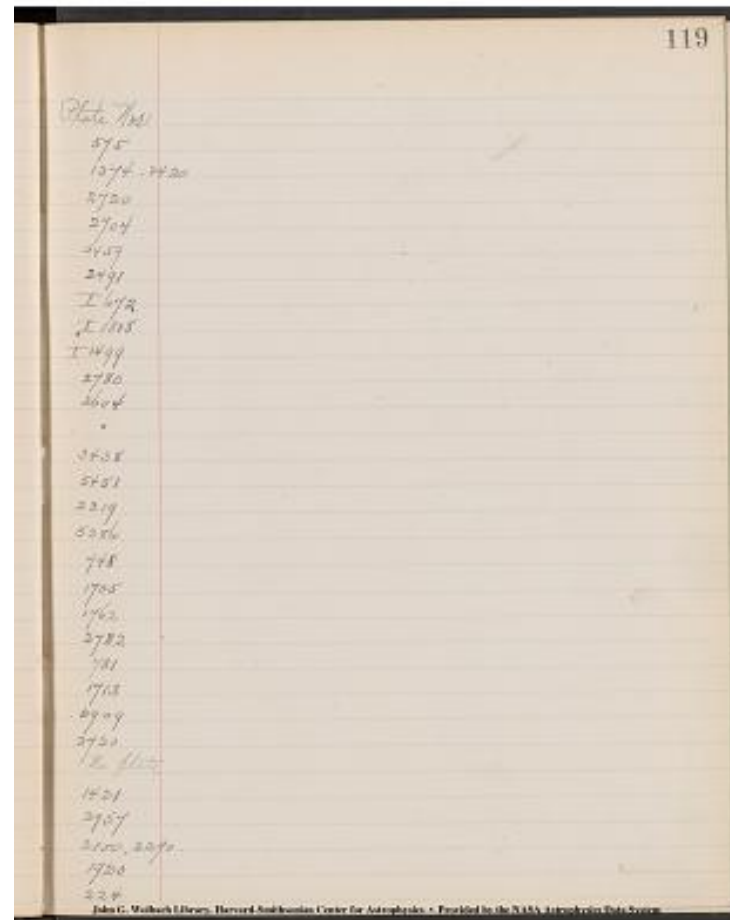
|---|---|---|

161 | 15<sup>h</sup> 6.6<sup>m</sup> -0° 47' | 7.0 |  
 162 | 15 12.8 +26 14 | 8.0 |  
 167 | 15 25.5 +57 56 | 6.9 |  
 168 | 15 33.6 +50 34 | 7.8 |  
 171 | 15 58.4 -13 55 | 7.6 |  
 175 | 16 ~~[[/del]]25~~[[/del]]~~ 16.5 +67 35 | 8.5 |  
 176 | 16 22.5 +18 43 |  
 179 | 16 ~~[[/del]]42.9~~[[/del]]~~ 43.0 +68 21 | 7.5 |  
 180 | 16 43.5 +37 17 | 8.2 |  
 188 | 17 19.0 +43  
~~[[/del]]7~~[[/del]]~~ ~~[[/del]]6~~[[/del]]~~ ~~[[/del]]8.5 |~~  
 190 | 17  
 25. ~~[[/del]]5~~[[/del]]~~ ~~[[/del]]4~~[[/del]]~~ ~~[[/del]]~~  
 +67 26 | 6.8 |  
 192 | 17 37.3 +68 28 | 9.0 |  
 193 | 18 0.2 -26 7 | 8.1 |  
 194 | 18 22.8 -~~[[/del]]18 60~~[[/del]]~~ 19.00 | 6.5 |  
 195 | 18 41.6 +10 36 | 8.1 |  
 198 | 19 23.6 -28 18 | 7.1 |  
 199 | 19 28.0 +32 53 | 6.9 |  
 204 | 19 57.8 +22 58 | 7.3 |  
 211 | 20 32.3 +4 28 | 8.1 |  
 212 | 20 39.2 +75 4 | 7.4 |  
 217 | 20 58. ~~[[/del]]1~~[[/del]]~~ 2 +6 31 | 8.6 |  
 218 | 21 5.3 +17 10 | 7.3 |  
 219 | 21 8.8 +73 7 | 8.5 |  
 222 | 21 19.9 -22 21 | 8.0 |  
 223 | 21 22.7 +79 44 | 7.3 |  
 229 | 22 17.5 +37 50 | 6.7 |  
 236 | 22 41.5 -4 9 | 8.6 |  
 237 | 22 47.3 +33 26 | 7.3 |  
 245 | 23 30.8 +45 24 | 6.8 |  
 247 | 23 41.6 +1 38 | 8.7 |~~~~~~~~~~~~~~~~



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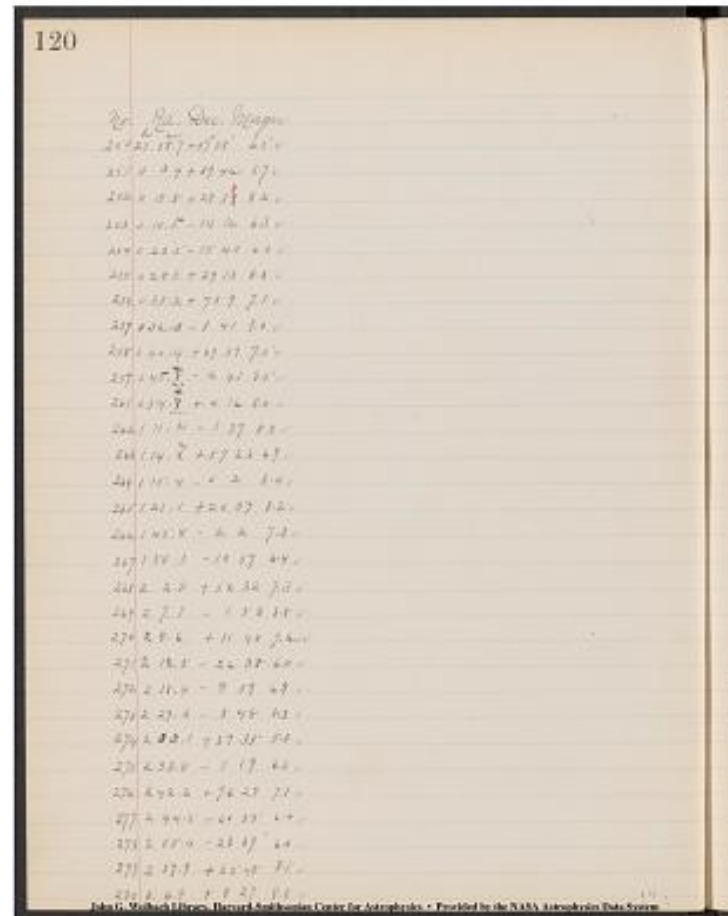
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 1374. 2420  
 2720  
 2704  
 5459  
 2491  
 1672  
 11818  
 11499  
 2780  
 2604  
 2604  
 3438  
 5451  
 2319  
 5286  
 748  
 1705  
 1762  
 2782  
 781  
 1713  
 2909  
 3720  
 No plate  
 1421  
 2957  
 2100, 2290.  
 1920  
 224



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class  
 C  
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250 | 23 ^[[h]] 58.7 ^[[m]] +57° 38' | 6.5  
251 | 0 3.4 +39 46 | 8.7  
252 | 0 3.8 +29 3[[~~strikethrough~~]] 9 [[~~/strikethrough~~]] 8 | 8.2  
253 | 0 10.5 -14 16 | 6.3  
254 | 0 22.5 -15 40 | 6.0  
255 | 0 28.3 +29 13 | 8.3  
256 | 0 35.2 | +75 9 | 7.1  
257 | 0 36.0 -1 41 | 9.0  
258 | 0 40.4 +69 39 | 7.5  
259 | 0 45. [[~~strikethrough~~]] [[underlined]] 5 [[~~/underlined~~]] [[~~/strikethrough~~]]  
[[~~strikethrough~~]] 4 [[~~/strikethrough~~]] -2 41 | 8.5  
261 | 0 54. [[~~strikethrough~~]] [[underlined]] 9 [[~~/underlined~~]] [[~~/strikethrough~~]]  
[[~~strikethrough~~]] 8 [[~~/strikethrough~~]] +4 16 | 8.0  
262 | 1 11.2 -1 37 | 8.3  
263 | 1 14. [[~~strikethrough~~]] 1 [[~~/strikethrough~~]] 2 +57 23 | 6.9  
264 | 1 15.4 -0 2 | 8.4  
265 | 1 21.1 +20 59 | 8.2  
266 | 1 45.8 -2 2 | 7.3  
267 | 1 50.1 -10 57 | 6.4  
268 | 2 2.8 +56 32 | 7.3  
269 | 2 7.1 -1 53 | 8.8  
270 | 2 8.6 +11 43 | 7.6  
271 | 2 12.5 -26 38 | 6.0  
272 | 2 18.4 -9 59 | 6.9  
273 | 2 29.3 -3 48 | 8.3  
274 | 2 33.1 +39 35 | 5.0  
275 | 2 33.8 -1 19 | 6.0  
276 | 2 42.2 +76 29 | 7.1  
277 | 2 44.5 +60 55 | 6.0  
278 | 2 55.4 -28 39 | 6.0  
279 | 2 59.9 +25 48 | 8.1  
280 | 3. 6.9 +8 27 | 8.0



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class  
C  
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121

Plate Nos.

1921  
3099  
3286  
2958, 11830  
11996  
3289  
No plate  
No plate  
2098  
2959  
961  
2959  
1911  
2959  
2906  
3072  
2960  
957  
1738  
3965  
4619  
1563  
2174 or 11646.  
2193  
2137  
1923  
3043  
4308, 5610.  
2132  
2961



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C  
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Er. Dr. Geo. Mayne

20)  $\frac{1}{\sqrt{3}}$  and  $\frac{1}{\sqrt{3}}$ 

252.  $2 \pm 3.7 + 4.11 \quad 8.21$

239  $\int \frac{1}{x^2} dx = -\frac{1}{x} + C$

$$2H_2 + 2Ag \rightarrow 2H_2 + 2Ag \quad \times 2$$
$$234 \div 49 = 4 \text{ R } 38$$

267.  $\frac{1}{2} \log \frac{1}{2} = -\frac{1}{2} \log 2$

2194 3.7 4.6 4.2

2/4 4/1.2 = 6020 57

295 of R. a. + 10 of R. b.

2349.  $M: E = 77.15 \text{ g/g}$   
 2350.  $M: E = 77.15 \text{ g/g}$

274 4 32.4 172 27 7.2

295992.977 6.15

2764 10.0 + 62 11 77 =

$$297 \div 11 = 27$$

177 8.17.2. 290 27. 47.

$$\frac{1}{6} \log \frac{1}{6} + \frac{1}{6} \log \frac{1}{6} + \frac{1}{6} \log \frac{1}{6} + \frac{1}{6} \log \frac{1}{6} + \frac{1}{6} \log \frac{1}{6} + \frac{1}{6} \log \frac{1}{6} = 1$$
$$\text{Int } \frac{6}{7} = 0 \quad \text{Rem } \frac{6}{7} = \frac{6}{7}$$
$$24 \times 6 \div Y = 3 + 29 \div 4 = 6.5$$
$$\log 7.17 \pm 26.4 \text{ yr}$$
$$\sin 74.4 = .97 \text{ or } 7.4$$
$$\log Y = \beta_0 + \beta_1 X + \beta_2 X^2 + \beta_3 X^3$$

2018.09.04 19:55 41 36

2078 16.7 454 24 88

John G. Mather, Editor, Harvard Architecture

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

PHaEDRA - Williamina

Submitted and Reviewed by [Name]  
[Date]

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311 | 8 56.6 | +39 1 | 8.0

Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class  
C  
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123  
 Plate Nos.  
 1860  
 2148  
 2148  
 3057  
 2091  
 1899  
 1555  
 971  
 1782  
 1555? or 3144?  
 2218? or 2176?  
 1899  
 2176  
 No plate  
 1081  
 1542  
 1830 or 2299  
 1830 or 2299  
 2207  
 2285  
 1109  
 1082  
 2140  
 3133  
 2209  
 2020? 2126  
 1149  
 2424  
 3103  
 2141



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C  
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[[3 column table]]  
No.	Ra. Dec.	Magn.

312	9 <sup>h</sup> 23.6 <sup>m</sup> +72° 44'   7.2
313	9 43.9 -11 36   9.1
314	10 2.2 +18. 5 <del>[[/del]]</del> 4 <del>[[/del]]</del>   8.1
315	10 6.6 +3 53   7.9
316	10 7.7 +84 59   6.1
317	10 35.0 +46 58   5.8
318	10 35.0 -13 1   6.8
319	10 35.5 +46 58   8.1
321	10 53.8 +15 48   7.9
322	11 5.8   +5 16   8.4
323	11 7.7 +53 34   6.8
324	11 10. +18. <del>[[/del]]</del> 9 <del>[[/del]]</del> <del>[[/del]]</del> 8 <del>[[/del]]</del> -4 16   7.2
325	11 12.0 -0 51   7.4
326	11 <del>[[/del]]</del> 13.9 <del>[[/del]]</del> 14.0 +7 26   6.9
327	11 16.0 +38 2   7.0
328	11 21.4 +81 5 <del>[[/del]]</del> 6 <del>[[/del]]</del> 5   6.4
329	11 31.6 +6 52   7.5
330	11 31.7 -23 5 <del>[[/del]]</del> 5 <del>[[/del]]</del> <del>[[/del]]</del> 4 <del>[[/del]]</del> 6.3
331	11 44.9 +10 45   7.7
332	11 47.4 -0 38   8.1
333	11 50.7 -26 5 <del>[[/del]]</del> 3 <del>[[/del]]</del> 2   6.7
334	11 57.7 +77 34   7.0
335	11 57.8 +77 43   6.1
336	12 <del>[[/del]]</del> 1.9 <del>[[/del]]</del> 2.0 -11 3   6.8
337	12 5.1 -2 18   7.9
338	12 5.5 +10 52   7.7
339	12 6.1 +10 52   7.5
340	12 11.8 +17 22   7.4
341	12 15.1 +33 <del>[[/del]]</del> 4 <del>[[/del]]</del> 26   8.9
342	12 17. <del>[[/del]]</del> 3 <del>[[/del]]</del> <del>[[/del]]</del> 2 <del>[[/del]]</del> +5 51   8.4



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class  
 C  
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125

Plate Nos.

2436

2549

459

No plate

2076

I523

3269

2338

1348

2128

1296

1296

2448

2528, 3279.

No Plate.

2448

I694

I680

471

5179

2673

2673

I868

471

I680

I680

2627

2153

I680 or I1045



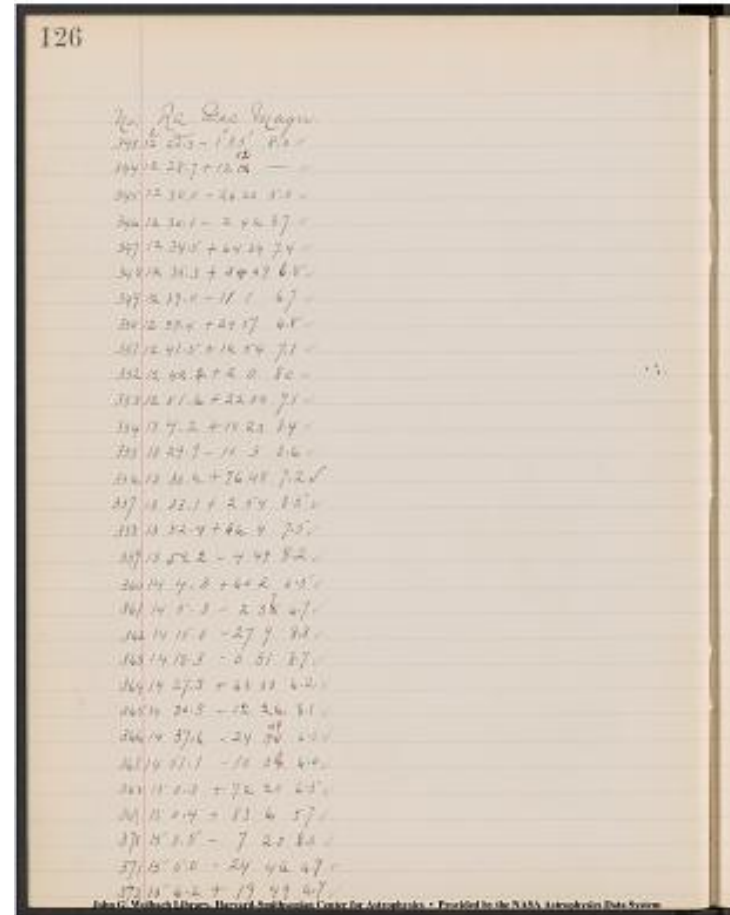
Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C

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[[3-column table]]  
No.	Ra. Dec.	Magn.

343	12	20.3	1° 35'	8.0
344	12	28.7	+12	13
345	12	30.0	-26 20	5.0
346	12	30.1	-2 46	8.7
347	12	34.5	+64 34	7.4
348	12	35.3	+34 29	6.8
349	12	39.0	-11 1	6.7
350	12	39.4	+24 57	6.8
351	12	41.5	+12 54	7.1
352	12	42.	3	4
353	12	51.6	+22 50	7.1
354	13	4.2	+10 23	8.4
355	13	29.9	-10 3	8.6
356	13	30.6	+76 48	7.2
357	13	33.1	+2 54	8.5
358	13	52.4	+66 4	7.5
359	13	59.2	-4 49	8.2
360	14	4.3	+60 2	6.5
361	14	5.3	-2 3	8
362	14	15.0	-27 9	8.3
363	14	18.3	-0 31	8.7
364	14	27.3	+63 50	6.2
365	14	30.3	-12 26	8.1
366	14	37.6	-24	50
367	14	51.1	-10 3	4
368	15	0.3	+72 20	6.5
369	15	0.4	+83 6	5.7
370	15	0.5	-7 20	8.0
371	15	5.0	-24 46	6.7
372	15	6.2	+19 49	6.7



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 C  
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127

Plate Nos.

11172  
2627.  
5262  
1882  
2143  
2153  
2438  
1297  
2419  
1379  
2323  
1588  
No plate  
No plate  
1337  
3271  
2375  
No plate  
2375  
5181  
1410  
2516  
4962  
3693  
2465  
2588 ?  
2688  
2372  
5182  
1656



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class  
C  
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[[4-column table]]

No. | Ra. | Dec. | Magn.

373	15 <sup>h</sup> 33.6 <sup>m</sup> +68 1	<del>8</del> 7	7.1
374	15 35.6 +61 5	<del>4</del> 3	8.2
375	15 37.8 +8 56		6.9
376	15 42.2 +82 44		7.7
377	15 51.4 -2 39		8.3
378	15 54.4 +55 10		5.6
379	15 59.9 +39 33		7.1
380	16 1.3 +39 4		8.5
381	16 14.4 +0 55		8.6
382	16 28.4 +9 8		8.9
383	16 33.6 -2 33		7.6
384	16 35.9 +36 29		7.3
385	16 36.9 +77 44		6.0
387	16 49.6 +77 46		5.9
388	16 57.5 -4 49		7.5
389	16 57.9 +0 55		6.6
390	17 2.3 +0 9		8.4
391	17 13.8 +1 35		7.2
392	17 20.6 +20 20		8.8
393	17 32.1 +3 39		6.4
394	17 47.5 +11 10		6.2
395	17 59.9 +8 52		7.7
396	18 7.6 +54 15		6.3
397	18 8.2 +28 20		6.0
398	18 12.5 +40 53		6.0
399	18 12.8 +10 13		8.0
400	18 20.8 -3 57		8.0
402	18 28.0 +38 44		7.0
403	18 30.8 -15 10		7.0
404	18 34.2 +63 35		7.7



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129

Plate Nos.

2588  
2720  
No plate  
No plate  
1375  
2662  
2748  
2748  
1375  
1320  
568  
11499  
No plate  
2775  
568  
568  
1373  
1373  
1419  
604  
1455  
1455  
2663  
5184  
2807  
1455  
No plate  
2807  
4024  
1701



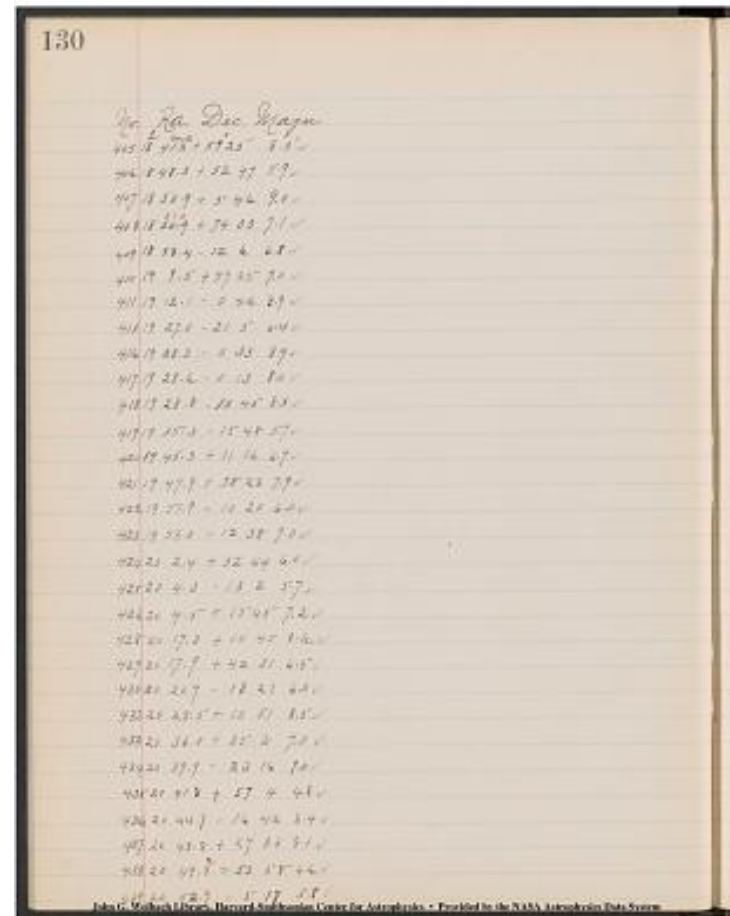
Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class  
C  
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[[4-column table]]

No. | Ra. | Dec. | Magn.

|---|---|---|

405 | 18<sup>h</sup> 41.1<sup>m</sup> | 59° 25' | 8.5  
 406 | 18 48.3 | +52 47 | 5.9  
 407 | 18 50.9 | +5 46 | 9.0  
 408 | 18 ~~50.9~~ | 51.0 | +74 33 | 7.1  
 409 | 18 58.4 | -12 6 | 6.8  
 410 | 19 9.5 | +57 25 | 7.0  
 411 | 19 12.1 | -0 46 | 8.9  
 413 | 19 27.0 | -21 5 | 6.4  
 416 | 19 28.3 | -0 33 | 8.9  
 417 | 19 28.6 | -0 13 | 8.0  
 418 | 19 28.8 | -10 45 | 8.3  
 419 | 19 35.3 | -15 48 | 5.7  
 420 | 19 45.3 | +11 16 | 6.7  
 421 | 19 47.9 | +38 23 | 7.9  
 422 | 19 51.9 | -10 20 | 6.0  
 423 | 19 53.0 | -12 38 | 7.0  
 424 | 20 2.4 | +52 44 | 6.0  
 425 | 20 4.3 | -13 2 | 5.7  
 426 | 20 4.5 | +15 45 | 7.2  
 428 | 20 17.3 | +10 45 | 8.6  
 429 | 20 17.9 | +42 31 | 6.5  
 430 | 20 20.7 | -18 21 | 6.0  
 432 | 20 28.5 | +10 51 | 8.5  
 433 | 20 36.0 | +35 21 | 7.0  
 434 | 20 39.9 | -23 16 | 7.0  
 435 | 20 41.8 | +57 4 | 4.8  
 436 | 20 44.7 | -16 42 | 8.4  
 437 | 20 48.8 | +27 33 | 8.1  
 438 | 20 49.1~~1~~ | 2~~1~~ | +53 58 | 6.6  
 439 | 20 52.9 | -5 17 | 5.8



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131

Plate Nos.

2916  
2714  
646  
No plate  
2872  
2682  
698  
3683  
698  
698  
2919  
I1496  
I1608  
I2253  
2925  
2925  
2956  
2938  
2816  
I1608  
1661  
2938  
1706  
I1231  
3684  
3138  
2926  
807  
2835  
2955



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C  
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[[4-column table]]

No. | Ra. | Dec. | Magn.

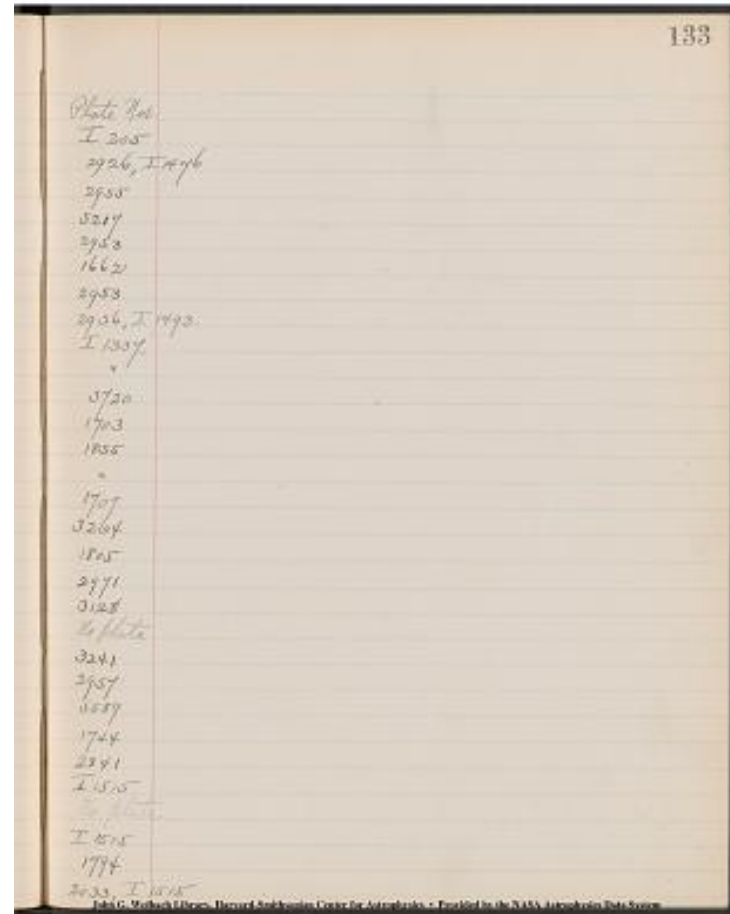
---	---	---	---
440	20 54.4	54.4	+39 41   6.3
441	20 59.1	-16 19	6.6
442	21 0.0	-6 9	7.3
443	21 0.3	-29 3	7.0
444	21 6.3	+10 37	8.2
445	21 9.9	+41 25	6.7
446	21 11.6	+10 58	7.4
447	21 17.4	-10 22	5.5
448	21 18.5	-12 43	6.4
449	21 <del>21.9</del>	<del>22.0</del>	-13 8   8.6
450	21 30.7	-27 57	6.0
451	21 39.5	+0 11	7.6
452	21 39.9	-16 45	7.9
453	21 42.4	-16 52	7.5
454	21 59.1	+1 9	7.0
455	22 5.5	+50 <del>7</del>	6   5.9
456	22 6.5	+25 14	6.7
457	22 7.3	+16 29	6.9
458	22 <del>10.9</del>	<del>11.0</del>	+75
459	22 20.5	+3 58	5.5
460	22 33.7	+13 47	6.1
461	22 35.5	-0 21	8.1
462	22 53.1	-23 2	8.8
463	22 53.1	-15 2	8.3
464	22 55.4	+83 34	5.0
465	22 59.1	-0 59	8.7
466	22 59.3	+19 8	6.7
467	23 <del>0.9</del>	<del>1.0</del>	-1 17   7.5
468	23 9.6	-14 36	8.0
469	23 10.1	-2 19	7.6



Project PHaEDRA - Williamina P. Fleming - Draper Catalogue Spectra Class C  
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Plate Nos  
 I 205  
 2926, I1476  
 2955  
 5217  
 2953  
 1662  
 2953  
 2936, I1493  
 I1334  
 I1334  
 3720  
 1703  
 1855  
 1855  
 1707  
 3264  
 1805  
 2971  
 3128  
 No Plate  
 3241  
 2957  
 5589  
 1744  
 2841  
 I1515  
 No Plate  
 I1515  
 1794  
 2033, I1515

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[[3 Column Table]]

No. | R.A. Dec. | Magn.

--- | --- | --- |

472 | 23<sup>h</sup> 15.5<sup>m</sup> -11° 34' | 7.6

473 | 23 15.5 +19 46 | 6.5

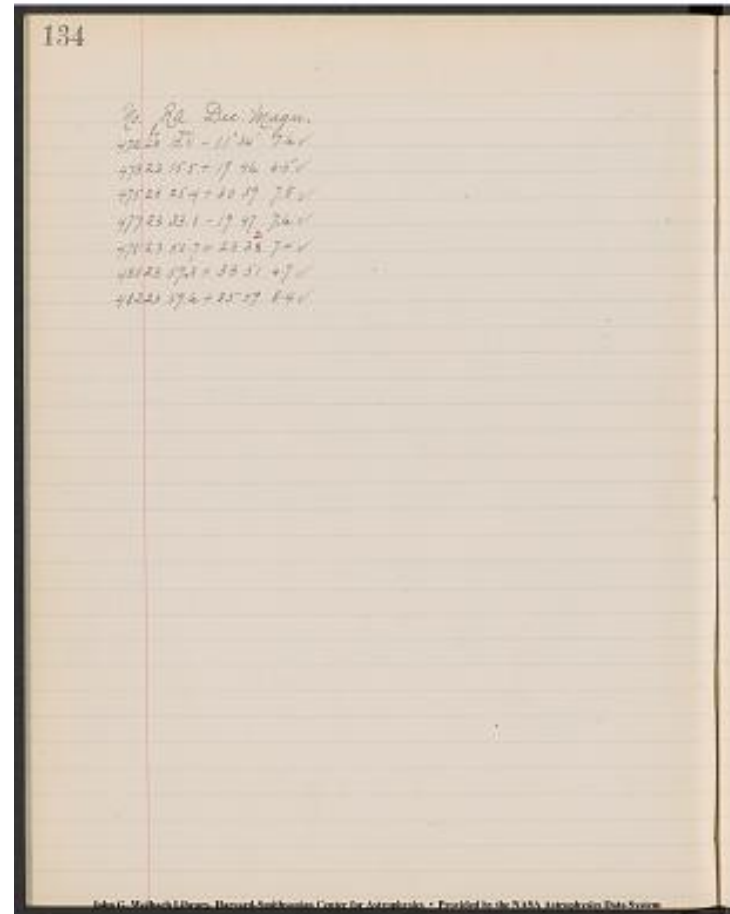
475 | 23 25.4 +30 39 | 7.8

477 | 23 33.0 -19 47 | 7.6

478 | 23 50.7 +23 3~~3~~2 | 7.4

480 | 23 57.3 +33 51 | 6.7

482 | 23 59.6 +85 59 | 8.4



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135

Plate Nos.

3063

3054.

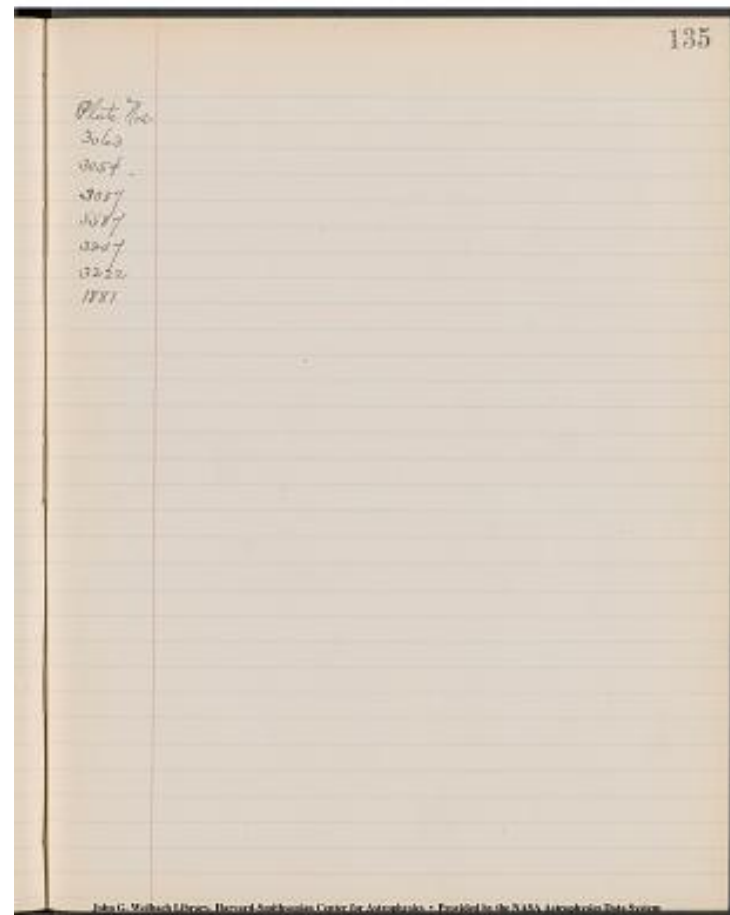
3087

5587

3207

3222

1881

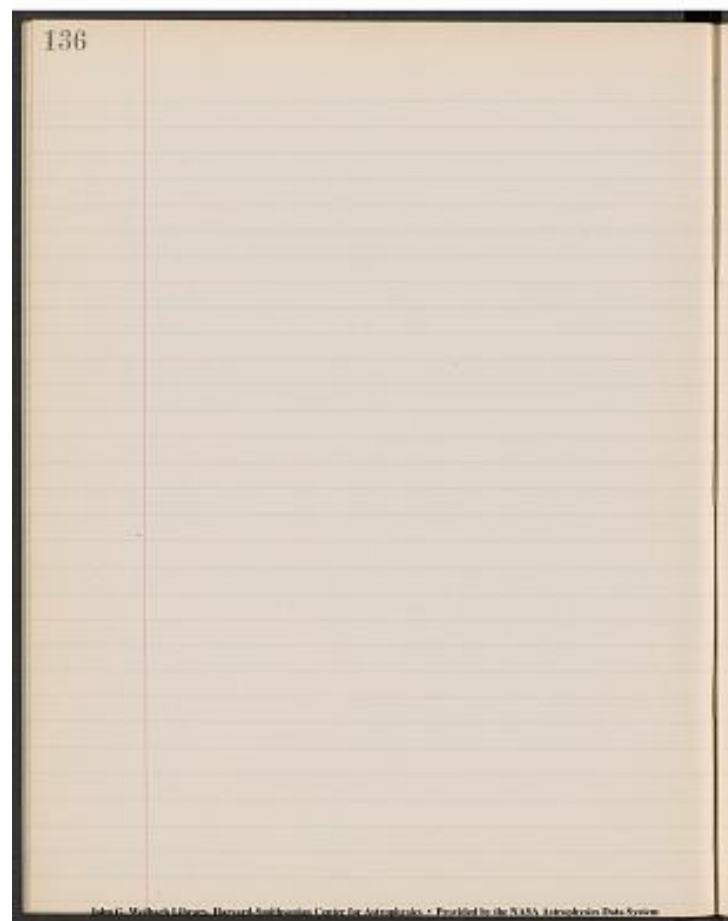


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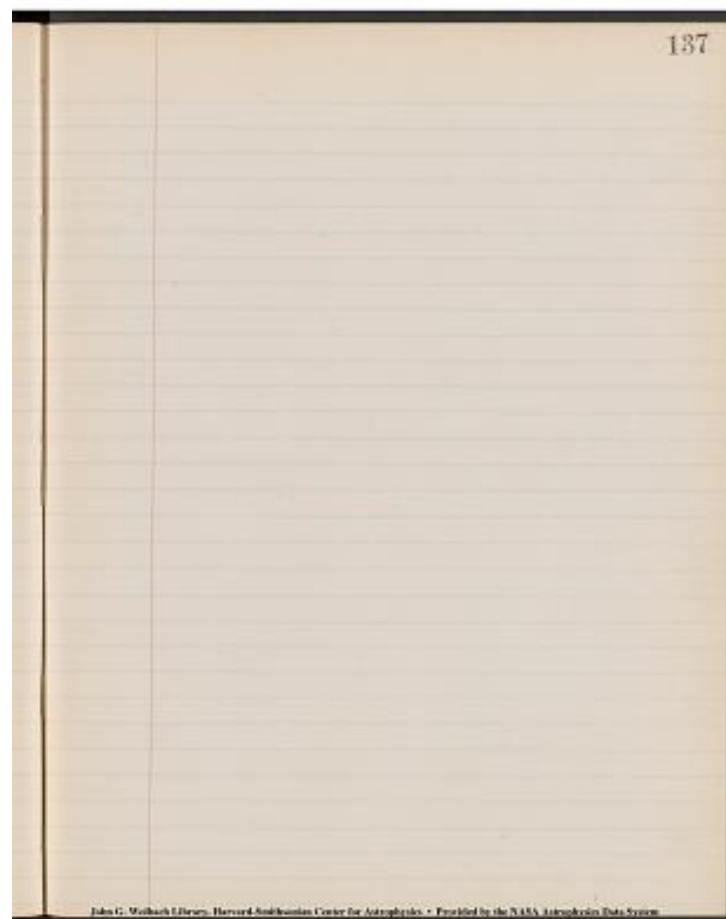
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[[4 Column Table]]

--- | --- | --- | ---

R Muscae | 12 33.3 -68 37 | | 5200  
 R. Triang Aust. | 15 6.9 -65 58 | | 5283 G Pec.  
 W. Sagittarii | 17 55.8 -29 35 | | 5184 G  
 U Sagittarii | 18 23.4 -19 13 | | 5275  
 K Pavonis | 18 42.0 -67 24 | | 5284 G.  
 S Coronae Aust. | 18 51.4 -37 9 | 4966 | 5433^[[ ]] Not seen.  
 U Aquilae | 19 21.6 -7 20 | 2837 | 2919 Too Poor.  
 S Sagittae | 19^[[h]] 49.4^[[m]] +16^[[°]] 15' | 2816^[[ ]] G Pec. | 758^[[ ]] G Pec.

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138			
R Muscae	12 33.3 -68 37		5200
R. Triang Aust	15 6.9 -65 58		5283 G Pec.
W. Sagittarii	17 55.8 -29 35		5184 G
U Sagittarii	18 23.4 -19 13		5275
K Pavonis	18 42.0 -67 24		5284 G.
S Coronae Aust.	18 51.4 -37 9	4966	5433 Not seen.
U Aquilae	19 21.6 -7 20	2837	2919 Too Poor.
S Sagittae	19 49.4 +16 15	2816	758 G Pec.

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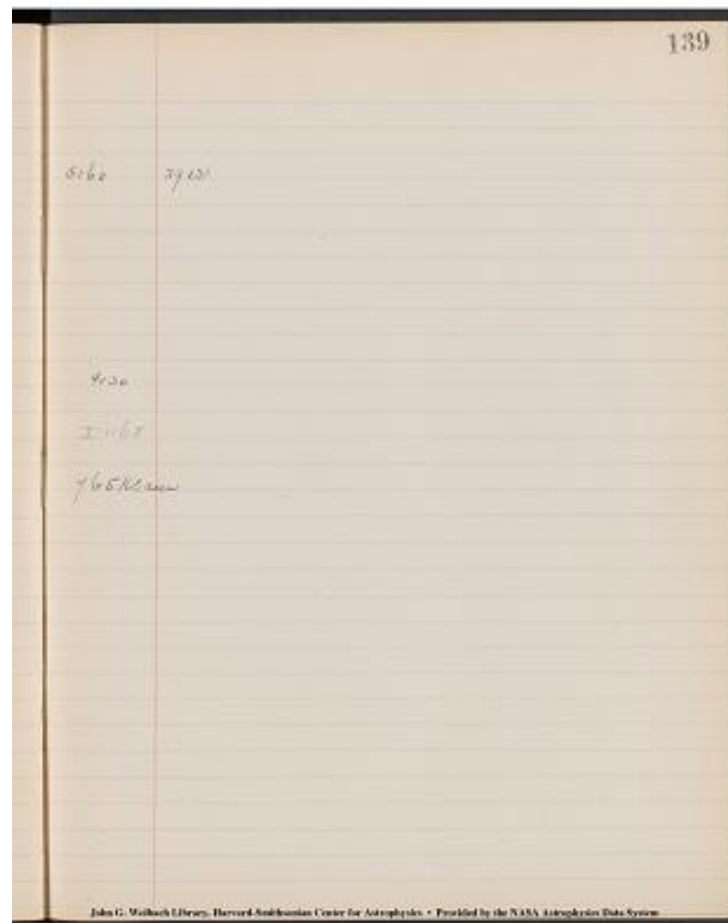
5160 3912

4030

I 1168

765 Not seen

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C  
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200

[10 column tables]

Grouping of K.P. Resid. of F Stars According to K.P.  $-0^{\circ}$  to  $-30^{\circ}$ .  
 $0^{\circ}h-1^{\circ}h$ .

| B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F. |

6	3	0
0	4	1
6	3	2
		4
		0
		2

+	1	1	5
Sigma-	12	0	4
Diff.	-12	-10	+1
No.	3	3	6
Mean.	-40	-33	+02

| B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F. |

(II)	3	1	2	5
	1	8	1	1
	7		1	

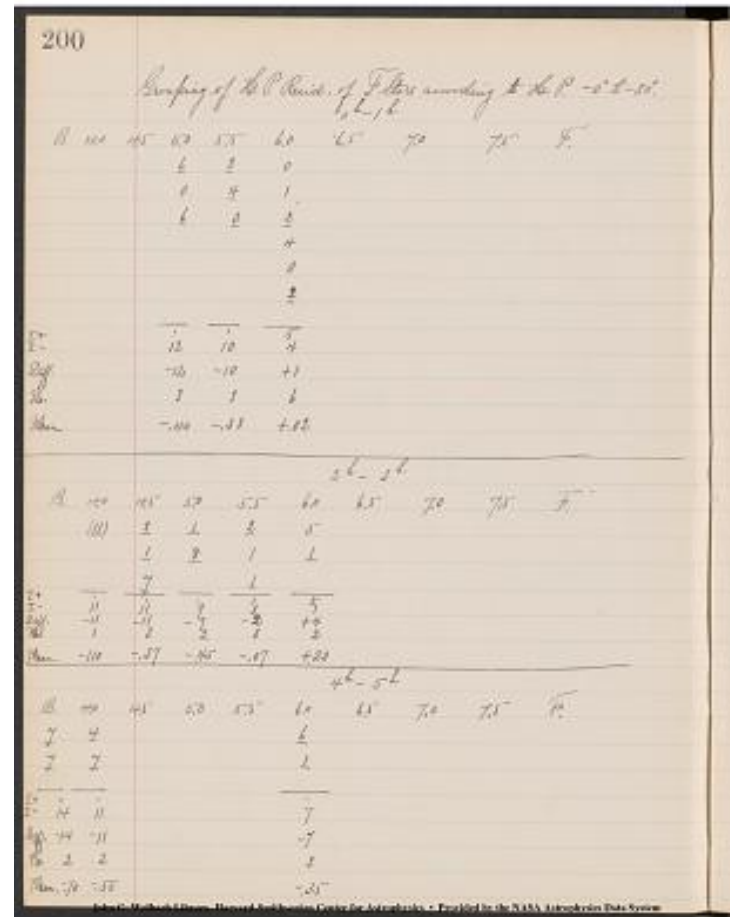
Sigma+	1	1	1	1	5
Sigma-	1	11	9	3	1
Diff.	-11	-11	-9	-2	+4
No.	1	3	2	3	2
Mean.	-1.10	-.37	-.45	-.07	+20

| B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F. |

7	4		6
7	7		1

Sigma+	1	1		1
Sigma-	14	11		7
Diff.	-14	-11		-7
No.	2	2		2
Mean.	-.70	-.55		-.35

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Grouping of K.P. Resid. of F Stars According to K.P.  $-0^{\circ}$  to  $-30^{\circ}$ .  
 $12^{\wedge}[[h.]] - 13^{\wedge}[[h.]]$   
 [10 column tables]

-----|-----|-----|-----|-----|

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.
	3	5	2	1	1				
		2							
	--	--	--	--	--				
Sigma+	1	1	1	3	1				
Sigma-	3	5	2						
Diff.	-3	-5	-2	+3	+1				
No.	1	1	1	2	1				
Mean	-30	-50	-20	+15	+10				

$14^{\wedge}[[h.]] - 15^{\wedge}[[h.]]$

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.
	5	2	4	3	4				
	8	1	4						
			3						
			1						
Sigma+	1	1	4	4	4				
Sigma-	13	2	1	7					
Diff.	-13	-2	+3	-3	+4				
No.	2	1	2	4	1				
Mean	-65	-20	+15	-08	+40				

$16^{\wedge}[[h.]] - 17^{\wedge}[[h.]]$

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.
	3	1	2	5					
	3	5	1	1					
	3	5	8						
	6	1							
	--	--	--	--	--				

Sigma+	1	1	1	14					
Sigma-	14	4	9						
Diff.	-14	-4	-8	3					
No.	4	2	4	+14					
Mean	-35	-20	-20	+47					

202

*Grouping of K.P. Resid. of F Stars according to K.P.  $-0^{\circ}$  to  $-30^{\circ}$*   
 $12^{\wedge}[[h.]] - 13^{\wedge}[[h.]]$

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.
	3	5	2	1	1				
	--	--	--	--	--				
Sigma+	1	1	1	3	1				
Sigma-	3	5	2						
Diff.	-3	-5	-2	+3	+1				
No.	1	1	1	2	1				
Mean	-30	-50	-20	+15	+10				

$14^{\wedge}[[h.]] - 15^{\wedge}[[h.]]$

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.
	5	2	4	3	4				
	8	1	4						
			3						
			1						
Sigma+	1	1	4	4	4				
Sigma-	13	2	1	7					
Diff.	-13	-2	+3	-3	+4				
No.	2	1	2	4	1				
Mean	-65	-20	+15	-08	+40				

$16^{\wedge}[[h.]] - 17^{\wedge}[[h.]]$

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.
	3	1	2	5					
	3	5	1	1					
	3	5	8						
	6	1							
	--	--	--	--	--				
Sigma+	1	1	1	14					
Sigma-	14	4	9						
Diff.	-14	-4	-8	3					
No.	4	2	4	+14					
Mean	-35	-20	-20	+47					

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203

Grouping of K.P. Resid. of F Stars According to K.P.  $-0^{\circ}$  to  $-30^{\circ}$ . $18^{\circ}[[h.]] - 19^{\circ}[[h.]]$ 

| B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F. |

7	1	5	1	7	5	5
			2	3	2	
				1	3	
				2	6	

Sigma+ 2 12 21

Sigma- 7 1 5 1 1

Diff. -7 -1 -5 +1 +11 +21

No. 1 1 1 1 4 5

Mean -.70 -.10 -.50 +.10 +.28 +.42

 $20^{\circ}[[h.]] - 21^{\circ}[[h.]]$ 

| B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F. |

5	2	0	0		
			3		

Sigma+ 0 3

Sigma- 5 2 0

Diff. -5 -2 0 +3

No. 1 1 1 1

Mean -.50 -.20 .00 +.30

 $22^{\circ}[[h.]] - 23^{\circ}[[h.]]$ 

| B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F. |

6	4				
5	1				
9					

Sigma+

Sigma- 20 5

Diff. -20 -5

No. 3 2

Mean -.67 -.25

203

Grouping of K.P. Resid. of F Stars according to K.P.  $-0^{\circ}$  to  $-30^{\circ}$ 

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.
7	1	5	1	7	5	5			

Sigma+	2	12	21
Sigma-	7	1	5
Diff.	-7	-1	-5
No.	1	1	1
Mean	-.70	-.10	-.50

 $20^{\circ}[[h.]] - 21^{\circ}[[h.]]$ 

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.
5	2	0	0						

Sigma+	0	3
Sigma-	5	2
Diff.	-5	-2
No.	1	1
Mean	-.50	-.20

 $22^{\circ}[[h.]] - 23^{\circ}[[h.]]$ 

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.
6	4								

Sigma+		
Sigma-	20	5
Diff.	-20	-5
No.	3	2
Mean	-.67	-.25

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205  
[[10 column table]]

Grouping of K.P. Resid. of F Stars According to K.P.  $+0^{\circ}$  -  $+29^{\circ}$   
 $59^{\circ}$   
 $6^{\circ} - 7^{\circ}$   
B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F
6	2								
	2								
 1 | | 1 | 2 | | | | | | |  
 6 | | 4 | | | | | | | |  
 -6 | | -4 | +2 | | | | | |  
 1 | | 2 | 1 | | | | | |  
 -60 | | -20 | +20 | | | | | |

[[line break]]

$8^{\circ} - 9^{\circ}$   
 B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F.  
 ---|---|---|---|---|---|---|---|---  
7 | 7 | 7 | 8  
2 | 2 | | | | | | | |  
 | | 5 | | | | | | | |  
 | | 3 | | | | | | | |  
 -70 | -70 | -65 | -25 | | | | | |

[[line break]]

$10^{\circ} - 11^{\circ}$   
 B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F. |  
 ---|---|---|---|---|---|---|---|---|  
 | | 4 | 3 | 4  
 1 | 4 | 4 | | | | | | | |  
 | | 2 | | | | | | | |  
 | | | | | | | | | |  
 1 | 1 | 1 | 1 | | | | | |  
 6 | 8 | 1 | 4 | | | | | |  
 -6 | -3 | -1 | -4 | | | | | |  
 -30 | -30 | -10 | -40 | | | | | |

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205

*Grouping of K.P. Resid. of F Stars according to K.P.  $+0^{\circ}$  -  $+29^{\circ}$*

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F
6									
2									
1									
6									
-6									
1									
-60									

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F
7									
7									
1									
-70									

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F
4									
4									
2									
-30									

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Grouping of K.P. Resid. of F Stars According to K.P.  $+0^{\circ}$  to  $+29^{\circ} 59'$   
 $12^{\circ} [[h.]] - 13^{\circ} [[h.]]$

[[10 Column Table]]

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.

| | [[8]] [[5]]  
 [[2]] [[4]] | 1 | |  
 [[7]] [[4]] | | |  
 [[5]] | | |  
 | | | | |

Sigma+ | | 1 | . | 1 | . | 1 | | |  
 Sigma- | | 15 | 9 | 2 | 9 | . | | |  
 Diff. | | -15 | -9 | -2 | -9 | +1 | | |  
 No. | | 2 | 2 | 1 | 2 | 1 | | |  
 Mean | | ~~-.75~~ | ~~-.75~~ | -.45 | -.20 | -.45 |  
 +.10 | | |

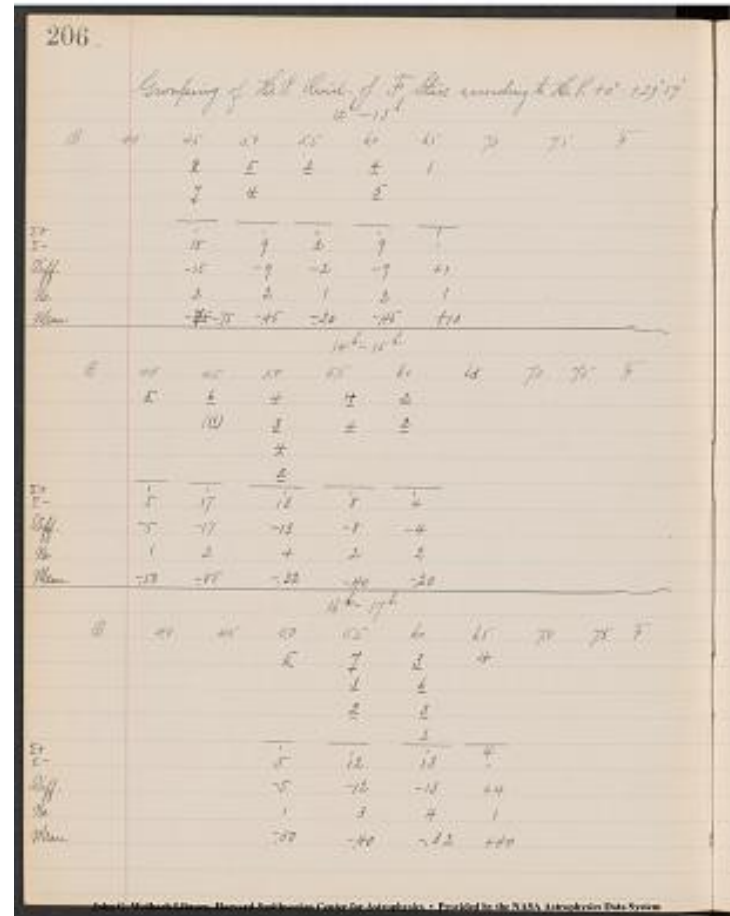
$14^{\circ} [[h.]] - 15^{\circ} [[h.]]$

B | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F  
 | [[5]] [[6]]  
 [[4]] [[4]] [[2]] | | |  
 | | [[11]] [[3]]  
 [[4]] [[2]]  
	[[4]]			
	[[2]]			

Sigma+ | | 1 | 1 | 1 | 1 | 1 | | |  
 Sigma- | | 5 | 17 | 13 | 8 | 4 | | |  
 Diff. | | -5 | -17 | -13 | -8 | -4 | | |  
 No. | | 1 | 2 | 4 | 2 | 2 | | |  
 Mean | | -.50 | -.85 | -.32 | -.40 | -.20 | | |

$16^{\circ} [[h.]] - 17^{\circ} [[h.]]$

B | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F  
 ---|---|---|---|---|---|---|---|---|  
 | | [[5]] [[7]]  
 [[3]] [[3]] | 4 | | |  
	[[3]] [[6]]					
	[[2]] [[3]]					
	5	12	13	.		



			-5		-12		-13		-13		+4			
			1		3		4		1					
			-50		-40		-32		+40					

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B.		4.0		4.5		5.0		5.5		6.0		6.5		7.0		7.5		F.
		<u>(underlined)</u>			<u>4</u>			<u>(underlined)</u>			<u>(underlined)</u>			<u>3</u>			<u>(underlined)</u>	
		<u>(underlined)</u>			<u>2</u>			<u>(underlined)</u>			<u>(underlined)</u>			<u>5</u>			<u>(underlined)</u>	
		<u>(underlined)</u>			(10)			<u>(underlined)</u>			<u>(underlined)</u>			<u>8</u>			<u>(underlined)</u>	
		<u>(underlined)</u>			<u>5</u>			<u>(underlined)</u>			<u>(underlined)</u>			<u>3</u>			<u>(underlined)</u>	
		<u>(underlined)</u>			(10)			<u>(underlined)</u>			<u>(underlined)</u>			<u>8</u>			<u>(underlined)</u>	
		<u>(underlined)</u>			<u>5</u>			<u>(underlined)</u>			<u>(underlined)</u>			<u>3</u>			<u>(underlined)</u>	
		<u>(underlined)</u>			(10)			<u>(underlined)</u>			<u>(underlined)</u>			<u>7</u>			<u>(underlined)</u>	

2 | 0 | | |  
 | | | 3 | | | |  
 2.4 | 1.8 | 1.2 | .8 | 2. | | |  
 -24 | -18 | -12 | -8 | +2 | | |  
 3 | 3 | 4 | 3 | 1 | | |  
 -.80 | -.60 | -.30 | -.27 | +.20 | | |

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Grouping of K.P. Resid. of F Stars According to K.P.  $+30^\circ$   $0^\circ$  -  $+61^\circ$   $2^\circ$ .

[[10 column table]]

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.

| (12) | 6 |  
7 | 4 |  
2 | 0 |

| (11) | 5 |  
7 | 2 |

| | | 5 | 2 |

| | | 5 | 3 |

| | | 6 |  
| | | |

|  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  
 $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |

|  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  
 $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |

|  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |

$2^{\epsilon}$  |  $40.0^{\epsilon}$  |  $5^{\epsilon}$  |  $19.9^{\epsilon}$  |

[[10 Column Table]]

B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.

| 9 | 8 |  
4 | 7 |  
2 | 0 | 2 | 4 |

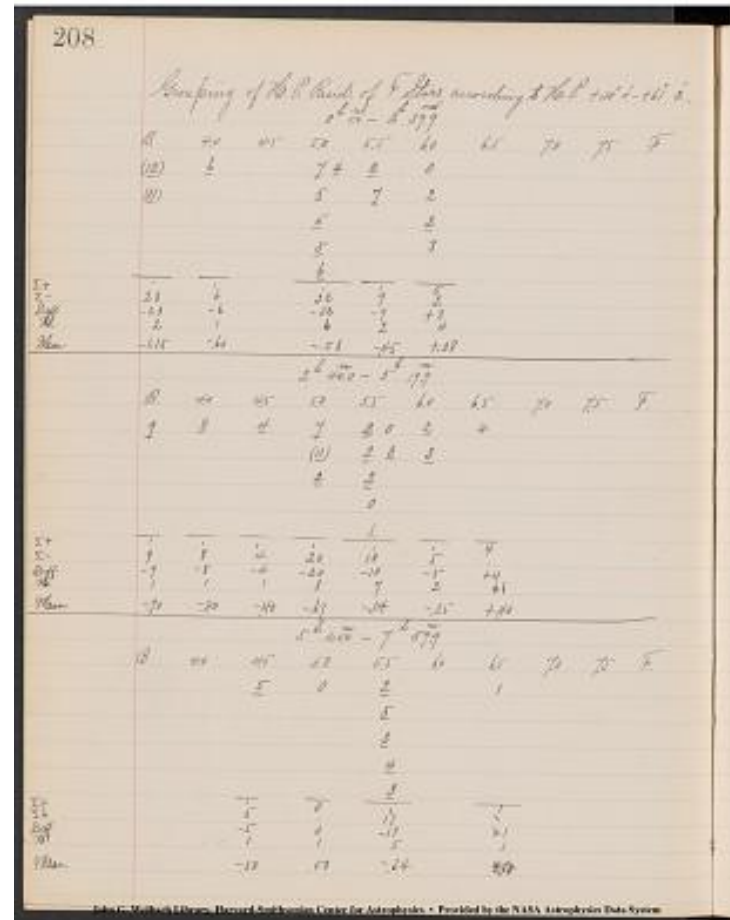
| | | (11) | 2 | 3 |  
3 |

| | | 2 | 2 |

| | | | 0 |

| | | | 1 |  
| | | | |

|  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  
 $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  
 $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  
 $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |  $^{\epsilon}$  |





| ^[[[left margin]]No.[[/left margin]]] | 1 | 1 | 1 | 3 7 2 +1  
 | ^[[[left margin]]Mean[[/left margin]]] - .90 | -.80 | -.40 | -.67 | -.14 | -.25 |  
 +.40 |

5^[[h.]] 20.0^[[m.]] - 7^[[h]] 59.9^[[m]]  
 [[10 Column Table]]  
B.	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	F.

- |  
 | | | [[underlined]]5[/underlined]] | 0 | [[underlined]]2[/underlined]] | |  
 1 |

| | | | [[underlined]]5[/underlined]] |

| | | | [[underlined]]3[/underlined]] |

| | | | [[underlined]]4[/underlined]] |

| | | | [[underlined]]3[/underlined]] |  
 | | | \_\_\_ | \_\_\_ | \_\_\_ | | \_\_\_ |

[[^[[ [left margin]]^[[Epsilon+]] Epsilon-[[/left margin]] ] ] | | ^[[1]] 5 | ^[[0]]  
 1 | ^[[1]] 17 | | ^[[1]] [[?]] |

| ^[[ [left margin]]Diff. No.[[/left margin]] ] ] | | ^[[ -5]] 1 | ^[[0]] 1 | ^[[ -17]] 5  
 | | ^[[ +1]] 1 |

| ^[[ [left margin]]Mean.[[/left margin]] ] ] | | | -.50 | .00 | -.34 | | +.10 |

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Grouping of H.P. Resid. of F Stars According to H.P.  $+30^\circ$   $0^\circ$  -  
 $+61^\circ$   $2^\circ$  -  
 $8^\circ$   $0.0$   $10^\circ$   $39.9^\circ$   $10^\circ$   $10^\circ$

[[10 column table]]

---|---|---|---|---|---|---|---|---|---|  
 B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F.  
9	9	9	9	9	9	9	9	9
4	4	4	4	4	4	4	4	4
6	6	6	6	6	6	6	6	6
5	5	5	5	5	5	5	5	5
2	2	2	2	2	2	2	2	2
4	4	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
8	8	8	8	8	8	8	8	8
-8	-8	-8	-8	-8	-8	-8	-8	-8
2	2	2	2	2	2	2	2	2
-90	-40	-50	-27	-30	-30	-30	-30	-30

$10^\circ$   $40.0^\circ$   $13^\circ$   $19.9^\circ$   $10^\circ$   $10^\circ$

[[10 column line]]

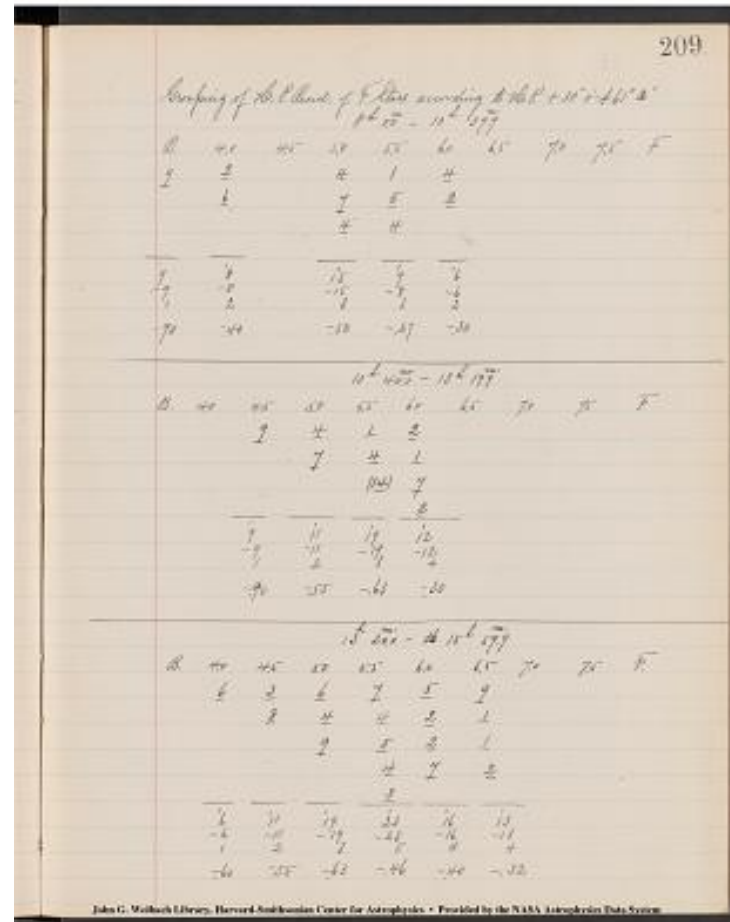
---|---|---|---|---|---|---|---|---|---|

B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F.  
9	9	9	9	9	9	9	9	9
1	1	1	1	1	1	1	1	1
7	7	7	7	7	7	7	7	7
4	4	4	4	4	4	4	4	4
1	1	1	1	1	1	1	1	1
14	14	14	14	14	14	14	14	14
2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	1	1
11	11	11	11	11	11	11	11	11
-9	-9	-9	-9	-9	-9	-9	-9	-9
2	2	2	2	2	2	2	2	2
-90	-55	-63	-30	-30	-30	-30	-30	-30

$13^\circ$   $20.0^\circ$   $16^\circ$   $15^\circ$   $59.9^\circ$   $10^\circ$   $10^\circ$

[[10 column table]]

---|---|---|---|---|---|---|---|---|---|  
 B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F.  
6	6	6	6	6	6	6	6	6
3	3	3	3	3	3	3	3	3
6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7
5	5	5	5	5	5	5	5	5
8	8	8	8	8	8	8	8	8
4	4	4	4	4	4	4	4	4
2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	1	1
9	9	9	9	9	9	9	9	9
5	5	5	5	5	5	5	5	5
2	2	2	2	2	2	2	2	2
1	1	1	1	1	1	1	1	1
4	4	4	4	4	4	4	4	4
7	7	7	7	7	7	7	7	7
2	2	2	2	2	2	2	2	2



[illegible]

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 $+30^\circ [^\circ] 0^\circ [^\circ] - +61^\circ [^\circ] 2^\circ [^\circ]$   
 $16^h. 0.0 - 18^h. 39.9$

[[11 column table]]

| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F. |

| | | 6 | 1 | | | | | | | | |  
 | 3 | 3 | 5 | 5 | | | | | | | |

| | | | | 1 | | | | | |

| | | | | ~~4~~ | 4 | | | | |  
~~4~~ | | | | |

| | | \_ | \_ | | \_ | \_ | | | |

Sigma+	1	1	1	1	1	1	1	1	1
Sigma-	6	1	4	5	1	1	1	1	1
Diff.	-6	-1	-4	-5	1	1	1	1	1
No.	1	1	2	1	1	1	1	1	1
Mean	-60	-10	-20	-50	1	1	1	1	1

$18^\circ [^h] 40.0^\circ [^m] - 21^\circ [^h] 19.9^\circ [^m]$

[[11 Column Table]]

| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

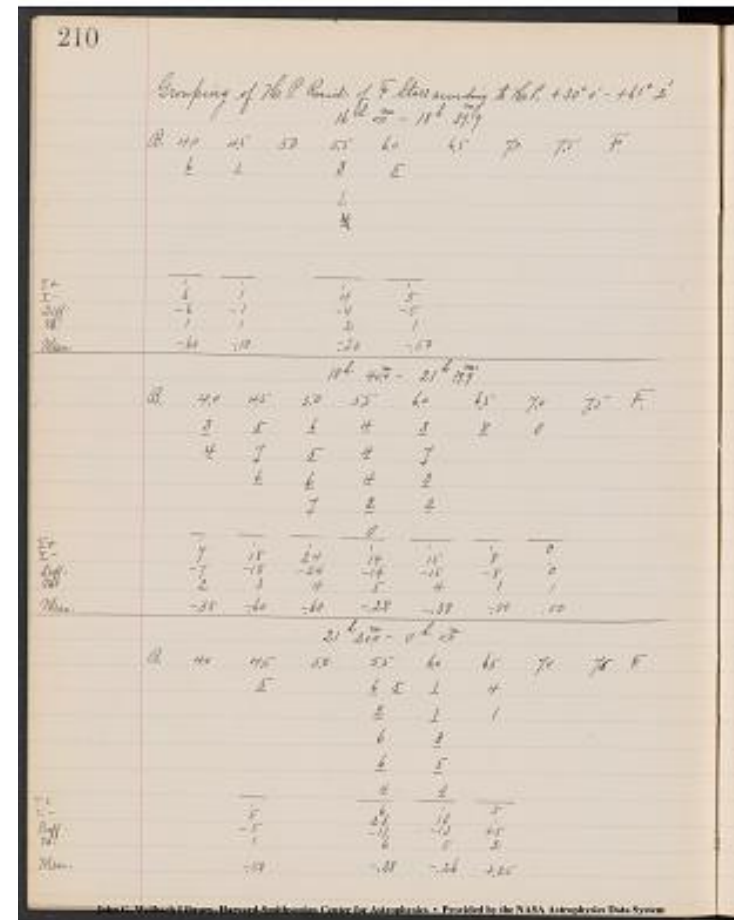
| B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F. |  
 | | | 3 | 5 | | | | | | |  
6 | 6 | 4 | 4 | | | | | | |  
3 | 3 | 8 | 0 | | | | | | |  
 | | | 4 | 7 | | | | | | |  
5 | 4 | | | | | | | | |  
7 | | | | | | | | |

| | | | 6 | 6 | | | | |  
4 | 3 | | | | | | |

| | | | 7 | 2 | | | | |  
2 | 2 | | | | | | |

| | | | 0 | | | | | | |  
 | | | \_ | \_ | \_ | \_ | \_ | \_ | \_ |

Sigma+	1	1	1	1	1	1	0	1	1
Sigma-	7	18	24	14	15	8	0	1	1
Diff.	-7	-18	-24	-14	-15	-8	1	1	1
No.	2	3	4	5	4	1	1	1	1
Mean	-35	-60	-60	-28	-38	-80	.50	1	1



21^[[h.]] 20.0^[[m.]] - 0^[[h.]] 0.0^[[m.]]

[[11 Column Table]]

| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| | B. | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | F. |  
| | | [[underlined]]5[[/underlined]] | | [[underlined]] 6 [[/underlined]]  
[[underlined]] 5 [[/underlined]] | [[underlined]] 1 [[/underlined]] | 4 | | |  
| | | [[underlined]] 2 [[/underlined]] |  
[[underlined]]1[[/underlined]] | 1 | | |  
| | | 6 | [[underlined]] 3 [[/underlined]] | | | |  
| | | | [[underlined]]6[[/underlined]] | [[underlined]]5[[/underlined]] |  
| | | | [[underlined]]4 [[/underlined]] | [[underlined]] 3  
[[/underlined]] | | | |  
| | | \_ | \_ | \_ | \_ | | |

Sigma+			1		6	1	5			
Sigma-			5		23	13	.			
Diff.			-5		-17	-13	+5			
No.			1		6	5	2			
Mean.			-.50		-.28	-.26	+.25			

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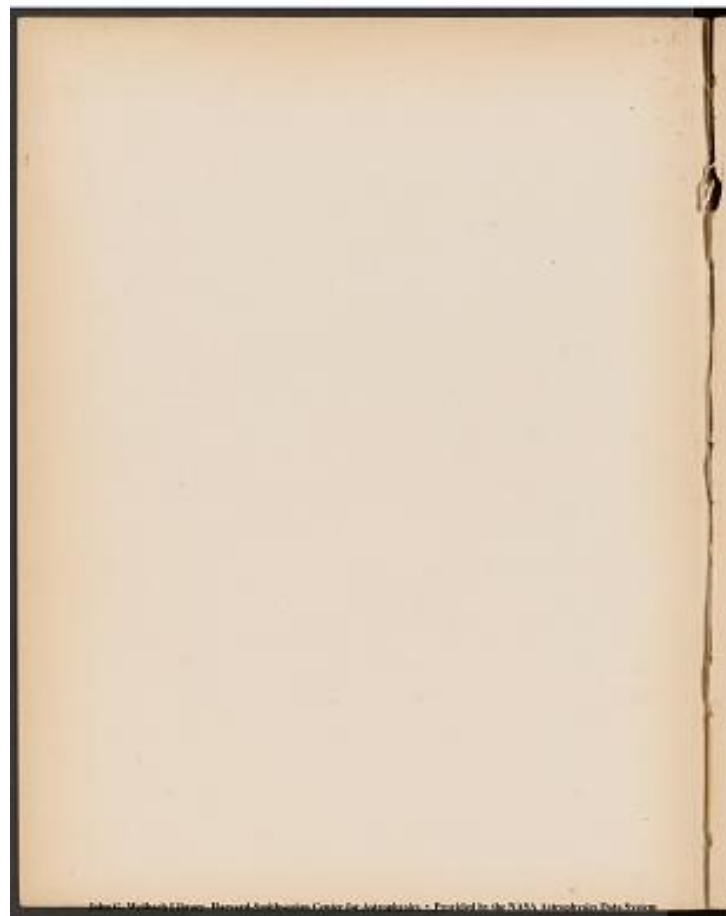


1 | | | |  
| | | | 3 | 2 | |  
| | | | 4 | 2  
| | | | |  
1 | 1 | 1 | 1 | 1 | | | |  
5 | 6 | 18 | 22 | 2 | | | |  
-5 | -6 | -18 | -22 | -1 | | | |  
1 | 1 | 5 | 7 | 3 | | | |  
-50 | -60 | -36 | -31 | -.03 | | | |

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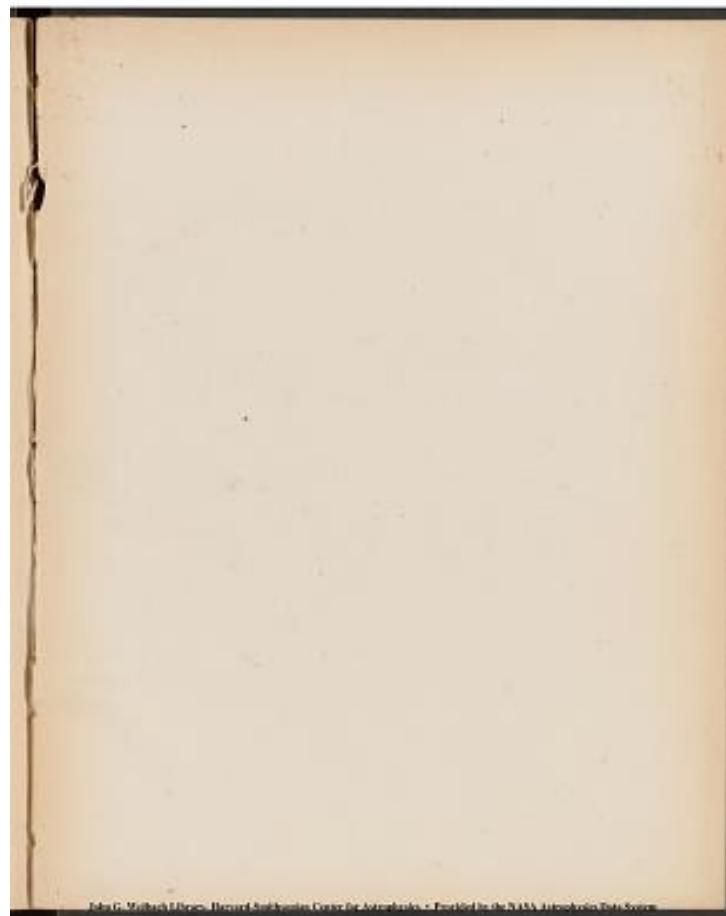
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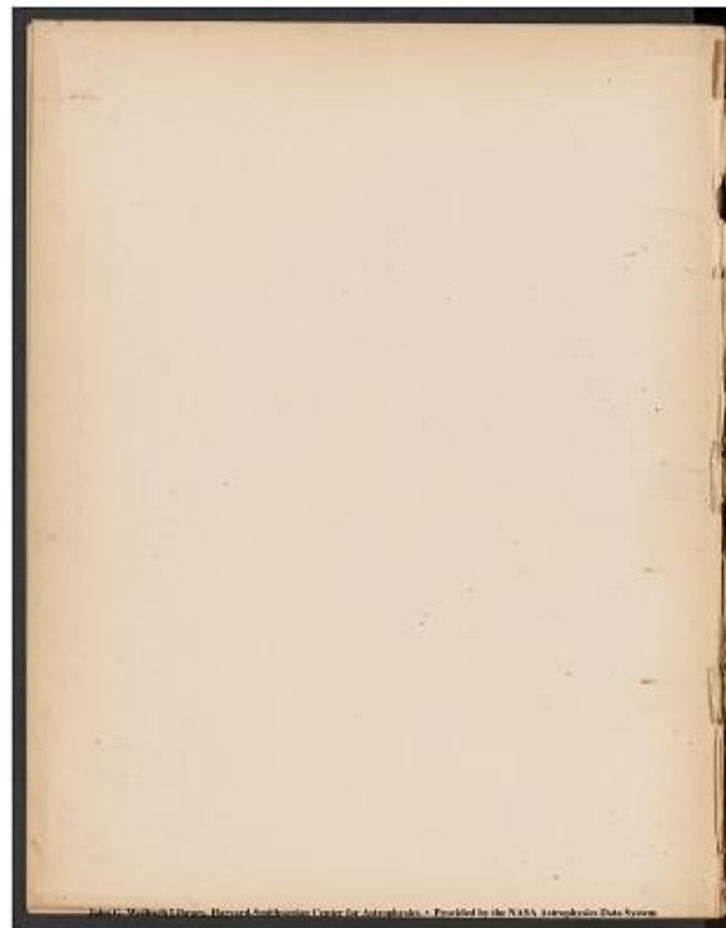


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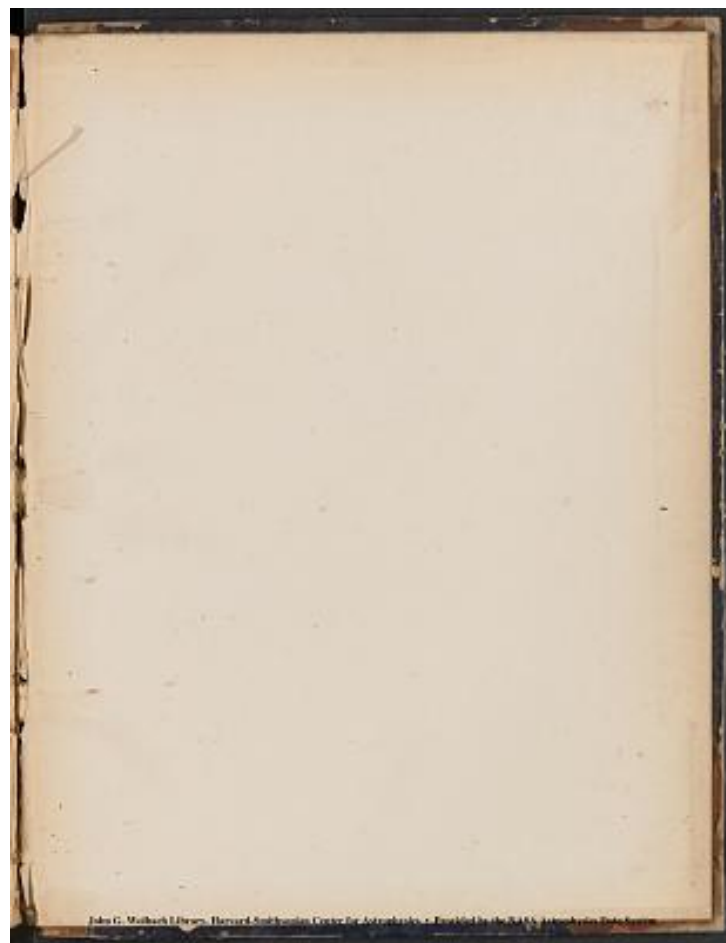
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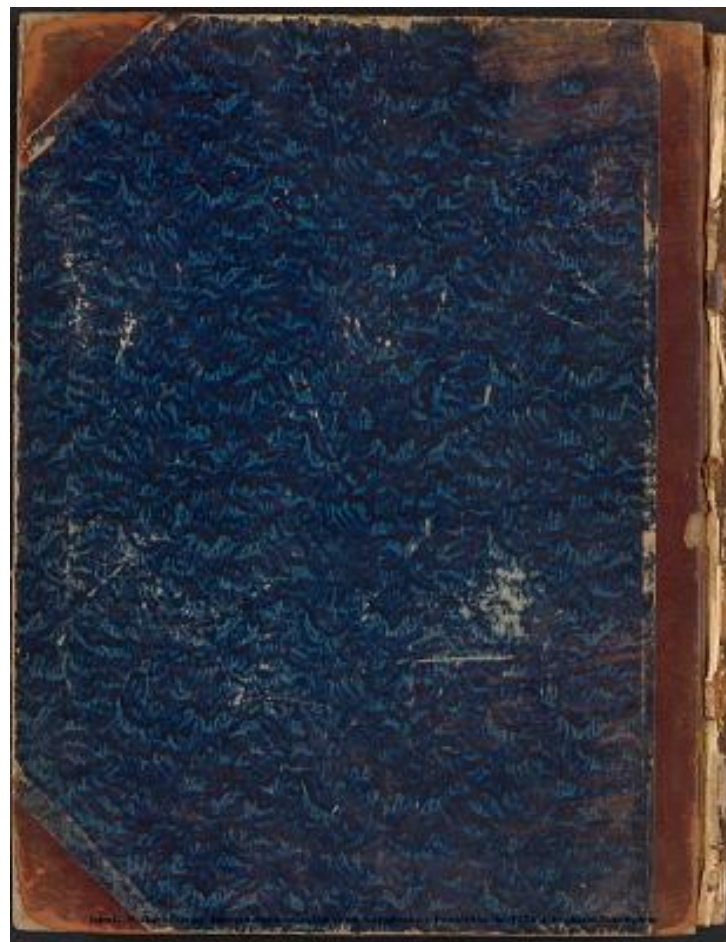
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