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Ledger W. P.
of Fleming
Long Period Variables — Sp.

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KG 11365. 822

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2

1900486 RU Telescopii −48°12915 Sp. Md.

✓

Plate	Date	JD	Sp.	Remarks. Hβ, Hγ, Hδ, Hε, Hζ, Hη
A 3621	June 10, 1899	4816.	Md 3	
B 19939	July 29, 1897		"	Too ft.
B 20452	Sept. 18, 1897		"	" "
B 39681	" 29, 1908		"	" "
B 11501	June 30, 1894		"	" "
B 11772	Aug. 8, 1894		"	" "
B 41441	June 11, 1910		"	" "
B 11494	June 29, 1894		"	" "
B 9820			"	" "

A 3621 1899 June 10

{ .10, 20 . . . Sp. mb (a.f.G)
{ brightest near Hβ

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1910phec.proj...023F

190049. H Telescopii — Sp. Md.

✓

Plate	Date	JD	Sp.	Remarks.
~~B19939~~	~~July 29, 1897~~		~~Md3~~ HB, H8 H8 ~~20, 10, ?,~~	
B 9820			"	Too poor.
B 11494	June 29, 1894		"	" "
B 41441	June 11, 1910		"	" "
B 11772	Aug. 8, 1894		"	" "
B 20452	Sept. 18, 1897		"	" "
B 11501	June 30, 1894		"	" "
B 39681	Sept. 29, 1908		"	" "

a 3621

(a.j.c.)
H8 very bright; brightest portion near H8, Sp Mc

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1913phae.proj..823F

190108. R Aquilae +8° 3970 Sp. Md.

Plate	Date	J.D.	Sp.	Remarks
B14171	July 20, 1895	3395.	Md	10 H3, H8, H8, He, Hδ, Hγ 1.0, 10.0, ·
I 2319	Nov. 21, 1890	1693.	Md^{9}	1.0, 8.0, ·
I 35627	Oct. 27, 1908	8242.	Md^{10}	
I 36280	" 19, 1909	8599.		
I 36215	" 4, 1909		Md 8	

I 2319	1890 Nov.	21	11693	Hδ bright	Sp. Mc focus poor
B14171	1895 July	20	13395	· 10 80	Sp. Mc Br. lines δ + ε
I 32913	1905 Mar.	14	16919	· 10 80	Sp. Mc Light-cont.
I 33037	1905 May	1	16967	· 10 80	Sp. Mc.
I 35627	1908 Oct.	27	18242	· 10 90	Sp. Mc
I 36198	1909 Sept.	17	18567	· 10 50	Sp. 4227 very fr. Light continuous
I 36215	1909 Oct.	4	18584	· 10 40	Sp. Mc.
I 36280	1909 Oct.	19	18599	· 10 50	Sp. Mc.

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1913phae.proj...823F

190129. α_2 Sagittarii R Sp. Md 6.

Plate	Date	J D	Sp.	Remarks.
B 39204	June 19, 1908	8112.	Md 6	H3, Hγ, Hδ, Hε, Hζ, Hη
B 39204		18112	. H10, 15. . .	Sp mb. (a.j.c.)
B 37628	1907 June 11	17738	. 10 40	Sp. to fr.
B H0432	1909 June 14	18472		too fr.

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1913phae.proj..823F

19052ga. V Lyrae +29° 3493a Sp. Md. 1

Plate	Date	J D	Sp. Remarks
l 21597			Md 6 Hγ Hδ 10, 50.)
l 1809	Sept. 8, 1890		.. Fl
l 1966	Oct. 11, 1890		.. Fl
l 3933	Aug. 3, 1890		.. Fl.
l 21597	Nov. 1, 1898		Md 6 10, 50
l 27913	.. 2, 1901		.. Fl.
l 35544	Oct. 2, 1908		.. Fl
l 35555	.. 3, 1908		.. Fl
l 36185	Sept. 3, 1909		.. Fl.

I 21597

Pec. Hγ and Hδ maybe bright Sp. Mc (a.j.c.)

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1913phae.proj...823F

190721. J.W Sagittarii Sp. Md.

Plate	Date			J.D	Sp. Remarks.
B39 391	July	30,	1908	815-3.	Ind 4 Hβ, Hγ, Hδ, Hε, H3, #7
B39391	1908	July	30	18153	. 10, 7 . . . Sp. mb (a.g.c.)
B39401	1908	Aug	1	18155	. 10 4 Sp. mb
BH2513	1911	July	29	19247	Sp. Very fr. Hγ suspected to be bright. H227 strong

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1913phae.proj..823F

190817. IX Sagittarii Sp. Md.

Plate	Date	J.D.	Sp. Remarks.
B39391	July 30, 1908	8153.	Md.4 H3. Hγ. H8
B39391			H8 bright - Sp. very ft. Sp. Ma (A.J.C.)

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1913phae.proj...823F

190819a R W Sagittarii −19°5347 Sp. Md.

Plate	Date	JD	Sp. Remarks.
B14177	July 21, 1895	3396.	Md5. 10 04 . . . .
B2873	Sept. 5, 1888		.. F1.
B3683			.. F1
B8234			.. F1.
B9552	June 7, 1893		.. F1
I11172	June 5, 1894		.. F1
I12921	May 23, 1895		.. F1.
I12982	June 14, 1895		.. F1
B14208	July 27, 1895		.. F1
B14380	Aug. 16, 1895		.. F1.
I15116	May 13, 1896		.. F1
B20207	Aug. 30, 1897		.. F1
B36143	June 5, 1905		.. F1
B38106	Aug. 31, 1907		Mc

B38106

faint Probably Mc. No h. lines.

B14177 Cannot find

1913phae.proj..823F

190818. RX Sagittarii — Sp. Md.

Plate	Date	JD	Sp. Remarks. Hβ, Hγ, Hδ, Hε, Hζ, Hη
B 14380	Aug. 16, 1895	3422.	Md(5) 1.0, 1.2, .
			Md(3) 1.0, 1.0, .
B 2873	Sept. 5, 1888		.. H
B 3683			.. H
B 8234			.. H
B 9552	Juney, 1893		.. H
I 11172	" 5, 1894		" H
I 12921	May 23, 1895		" H
I 12982	June 14, "		" H
B 14208	July 27 "		" H
I 15116	May 13, 1896		" H
B 20207	Aug. 30, 1897		" H
B 36143	June 5, 1905		" H
B 38106	Aug. 31, 1905		R " H.

(a.f.c.)

B 14380	1895 Aug 16	. 10, 20 . . . Other portions too ft.
B 45307	1915 July 18	Too ft.

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1913phae.proj..823F

190925. S Lyrae. +25°3752a Sp. —

Dm 5.6, 6, as Med 4

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1913phae.proj..823F

190941. R U Lyrae +41°3264a Sp. —

Plate	Date	D	Sp.	Remarks.
l 4331				
l 32242	Oct. 29, 1904			
l 34172	Aug. 15, 1906			
l 34179	Aug. 16, 1906			
l 34909	Oct. 4, 1907			

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1913phae.proj..823F

190933a. R S Lyrae +33° 3371a Sp. Md?

Plate	Date	JD	Sp.	Remarks.
l 35428	Aug. 2, 1908	8156.	Md 14	H3, H8, H8, 10, ? Image faint.
B722			..	Fi
B748			..	Fi
l 1809	Sept. 8, 1890		..	Fi
l 1966	Oct. 11, 1890		..	Fi
l 2230	Nov. 10, 1890		..	Fi
l 3923	Aug. 3, 1891		..	Fi
l 15289	June 11, 1896		..	Fi
l 27913	Nov. 2, 1901		..	P
l 35544	Oct. 2, 1908		..	P
l 35555	" 3, 1908		..	P Not found.
l 36185	Sept. 3, 1909		..	P

l 35428

Image v. faint. Several dark lines or bands seen

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1913phae.proj..823F

190967. ν Draconis +67° 1124 Sp. Md.

Plate	Date	JD	Sp.	Remarks. H β, Hγ, Hδ, Hε, Hζ, Hη
I 33544	Oct. 21, 1905	7140.	Md⁶	
I 33685	Nov. 23, 1905	7173.	Md7:	?
I 34173	Aug. 15, 1906	7438.	Md?	?

I 33544	1905	Oct. 21	17140	. 10,40	. . .	Sp. mc (a.j.c.)
I 34173	1906	Aug 15	17438	. 10 20		Sp. mc

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1913phae.proj..823F

191007. W Aquilae — Sp. —

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1913phae.proj..823F

191033. R Y Sagittarii −33° 14076 Sp. Pec.: !!

Plate	Date	JD	Sp. Pec.: !!	Remarks.
B 7746	May 25, 1892		Pec.	Shows number of bri & dark hazy lines. Hε ? double? K = 18.
B 9780	July 11, 1893		Sp.	Stearedge. Sp. hazy. Shows change in position of lines.
B 10255	Sept. 11, 1893			H
B 13768	June 14, 1895		Sp.	shows a number of h. & dark lines undoubtedly due to bad plate, one of which the lines: Hβ, Hγ, Hδ, Hε are apparently of normal intensity. Hε being superposed on the line K.
B 13852	June 29, 1895		Sp.	shows a large number of h. & dark lines. K = 20.
B 17450	Sept. 24, 1896			all lines hazy. K = 10.
B 20130	Aug. 29, 1897			" H
B 20154	" 25, "			" H
B 21826	July 15, 1898			" H
B 21876	Aug. 10, 1898			" H
B 23472	July 14, 1899			" H
B 23725	July 29, 1899			" P
B 39499	Aug. 31, 1908			all lines hazy & fr. except H & K which are well def. plates K = 13.
B 14135			G	Pec. bright lines resembles R Coronae (A.J.C.)

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1913phae.proj..823F

191046. S Lyrae — Sp. Mdg.

Plate	Date	JD	Sp.	Remarks.
I 33542	Oct. 17, 1905	17136.	Mdg	Image poor.
I 35424	July 30, 1908	18153.	Mdg8 Mdg10	" "

I 33542	1905 Oct. 17	17136	Hδ bright, other portions too ft.	(a.J.C.)
I 35440	1908 Aug. 18	18172	Hδ bright, other portions too ft.	
I 2223	1890 Nov. 8			N.S.
I 2320	1890 Nov. 21			N.S.
I 35424	1908 July 30			N.S.

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1913phae.proj..823F

191017. J Sagittarii −17° 5546 Sp. Md.

Plate	Date	JD	Spp. Rem.	Hβ	Hγ	Hδ	Hε	Hζ	Hη	
B14200	July 26, 1895	3401.	Md¹	15	16	3	.			
B14181	" 23, 1895	3398.	Md²	1.2,	1.0,	0.5.				
B14208	" 27, 1895	3402.	Md⁴	1.0,	0.3.					
B14380	Aug. 16, 1895	3422.	Md⁴	1.0,	0.5.					
I 11252	July 9, 1894	3019.	Md⁴	1.0,	0.5.					
B11480	June 27, 1894	3007.	Pec Md⁴?							
B20061	Aug. 16, 1897	4153.	Pec ✓							
B20207	" 30, "	4167.	Pec.							
B37615	June 8, 1907	7735.	Md Pec.							
B38106	Aug. 31, "	7819.	Md²							
*Ends B39391	July 30, 1908	8153.	Md R4.	100.74	. . .					
I 11228										Iron fr.
I 11252	1894 July 9	13019		.						Very faint Pec. No Br. lines
B11480	1894 June 27	13007								Pec. No Br lines.
B14181	1895 July 23	13398		3.0	10	4				Sp. Pec.
B14200	1895 July 26	13401		20	10	3				Sp. Pec.
B14208	1895 July 27	13402		.	10	2				Sp. Pec. (good)
B14380	1895 Aug 16	13422		.	10	3				Sp Pec.
B20061	1897 Aug. 16	14153								Sp. Pec. No Br. lines Resembles Class IV
B20207	1897 Aug. 30	14167								Sp. Pec. No Br. lines
B37615	1907 June 8	17735								Sp. Pec. No Br. lines
B38106	1907 Aug. 31	17819		.	10	1				Sp. Very faint except near Hδ
B39391	1908 July 30	18153		.	10	6				Sp. Pec. (good)
B H5 307										M.S.

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1913phae.proj..823F

191019. R Sagittarii −19°5367 Sp. Md.

Plate	Date	JD	Sp. Remarks Hβ, Hγ, Hδ, Hε, Hζ, Hη
I 11228	July 1, 1894	3011.	Md^3 1.0, 0.6, ·
I 3801	July 6, 1891	1920.	Md^4 1.0, 1.2, ·
B 6545	July 15, 1891	1929.	Md^4 1.0, 1.0, ·
I 11252	July 9, 1894	3019.	Md^4 1.0, 0.5, ·
B 23765	Aug. 3, 1899	4870.	Md^5 . 10, 10, ...
I 34914	Oct. 7, 1907	7856.	Md^5 . 10, 10, ...
B 38106	Aug. 31, 1907	7819.	Md^7
B 39391	July 30, 1908	8153.	Md^5
B 39347	" 22, 1908	8145.	Md^5 . 10 10 . . . .
B 41860	Sept. 1, 1910	8916.	Md^5

B 39391	1908 July 30	18153	Hγ = 10, Hδ = 12, Hζ = 1 Hη = 1	Sp. Mb.
B 23765	1899 Aug 3	14870	Hγ = 10 Hδ = 15	Sp. Mb.
B 38106	1907 Aug. 31	17819	Hγ = 10 Hδ = 12	Sp. Mb. 4227 fk Light even Hζ & Hε.
I 3801	1891 July 6	11920	. 10 15	Br. bet Hβ & γ Sp. too poor focus Edge.
B 6545	1891 July 15	11929	. 10 12	Sp. Mb. Light nearly even
I 11228	1894 July 1	13011	. 10 3	Sp. too poor. Br. bet Hβ & γ
B 23765	1899 Aug. 3	14870	. 10 15 . 1 .	Sp. Mb. Light even
I 34914	1907 Oct. 7	17856	. 10 4	Sp. Mb. Br. bet Hβ & γ.
B 39347	1908 July 22	18145	. 10 12	Sp. Mb

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1913phae.proj..823F

191124. 59 Sagittarii −24° 15′ 90 Sp. Md.

Plate	Date	JD	Sp.	Remarks. HB Hγ Hδ HS, He, Hζ, Hη
B40628	July 22, 1909		Md.5	. 10 10
B7770			"	Fl.
B9812			"	Fl
B14643	Sept. 16, 1895		"	Fl
I 18297	June 30, 1897		"	Fl.
B21839	July 20, 1898		"	Fl.
I 23272	Aug. 1, 1899		"	Fl.
I 33239	Aug. 3, 1905		"	Fl.
B34921	Oct. 9, 1907		"	Fl. not found
I B34921	1907 Oct. 9	17858		. 10, 10 . . . . Sp. too faint. (A.J.C.)
B40628	1909 July 22	18510		. 10 10 Sp. Mb

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1913phae.proj..823F

19 13 40 — Sagittarii R Sp.

Plate	Date	J.D.
B 9560	June 8, 1893	
B 14387	Aug. 17, 1896	
B 20480	Sept. 21, 1897	
B 20492	" 22 "	

.c.)

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1913phae.proj..823F

191331. S W Sagittarii −31° 16579 Sp. Mc

Plate	Date	JD	Sp. Remarks.
a 6464	July 25, 1903	6321.	Mc[8] · 10? 80? . . . .
a 6464		16321	H δ bright	Sp. too ft. (A.J.C.)

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1913phae.proj...823F

191319. S Sagittarii −19°5394 Sp. Md6.

Plate	Date	J D	Sp.	Remarks.
B38106	Aug. 31, 1907	7819.	Md6	
B38106			Δr=10 Δδ=10	Sp. Junk. Ma?
I13037				N.S.
B9812	1893 July 17			N.S.
B12252	1894 Sept. 25			N.S.
I13037	1895 July 2			N.S.
B14208	1895 July 27			N.S.
B14380	1895 Aug. 16			N.S.
B14643	1895 Sept. 16			N.S.
I15083	1896 May 7			N.S.
I15116	1896 May 13			N.S.
B20061	1897 Aug. 16			N.S.
B20124	1897 Aug. 19			N.S.
B20207	1897 Aug. 30			N.S.
I18617	1897 Sept 1			N.S.
I18618	1897 Sept 2			N.S.
I23263	1899 July 31			N.S.
I23279	1899 Aug 4			N.S.
B39391	1908 July 30			N.S.
I33266	1905 Aug 21			N.S.
B39401	1908 Aug 1			N.S.
BH0418	1909 June 11			N.S.
BH0748	1909 Aug 22			N.S.
BH0896	1909 Oct. 7			N.S.
BH2513	1911 July 29			N.S.

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1913phae.proj..823F

191321. 7 Sagittarii — Sp. Md

Plate	Date	JD	Sp.	Remarks	
B 21839	July 29, 1898	4491.	Md		See H.D. card
B 39391	" 30, 1908	8153.	Md^6		
B 3939 1	1908 July 30	18153		H5 light	Sp. Mb-f

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1913phae.proj...823F

191517a. W Sagittae — Sp. Md?

Plate	Date	JD	Sp.	Remarks.
l 33560	Oct. 23, 1905	7142.	Md?	
l 8887	July 13, 1891			
l 13116	July 28, 1895			
l 13277	Aug. 22, 1895			
l 13280	Aug. 25, 1895			
l 13485	Sept. 13, 1895			
l 13714	Oct. 21, 1895			
l 14630	Mar. 9, 1896			
l 15828	Aug. 30, 1896			
l 16025	Sept. 26, 1896			
l 16045	Sept. 28, 1896			
l 18550	Aug. 17, 1897			
l 18573	" 20, "			
l 18596	" 25, "			
l 18601	" 26, "			
l 18885	Sept. 15, "			
l 18981	" 24, "			
l 23013	June 10, 1899			
l 23250	July 30, "			
l 25515	July 1, 1900			
l 33136	June 24, 1905			
l 38639	Oct. 31, 1908			
l 86761	July 11, 1910			
l 86918	Oct. 31, "			

I 33560 HS light Sp. Mc (a.J.C.)

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1913phae.proj..823F

191637. η Lyrae +37°3418a Sp. —

191717. I Sagittae +17°3940 Sp. Md5

Md5 faint

I 18573

Sp. mc (a.f.c.)

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1913phas.proj...0225

191739. – Sagittarii – Sp.

Plate	Date	JD	Sp.
B9559			
B14135	July 15, 1895		
B14589	Sept. 11, 1895		
B20184	Aug. 27, 1897		

B14135	M.S.
B20184	"
B9559	"
A2071	Lowell

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19+935. – Sagittarii – Sp. –

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1913phae.proj..823F

191920. T Sagittarii — Sp. Md.

Plate	Date	JD	Sh.	Remarks.
B38106	Aug. 31, 1907	7819.	Md	Hδ, Hγ, Hδ, Hε, Hζ, Hη
B39391	July 30, 1908	8153.	Md 6	

B38106		17819	Hγ=10 Hδ=14 Hγ=10 Hδ=30		Sp. Mb ×227 ft. III Cand
B39391	1908 July 30	18153		Hδ bright	Sp. Mc.
B39401	1908 Aug. 1	18155		Hδ bright	Sp. Mc.

192118 A η Sagittarii

B41860	1910 Sept. 1	18916	. 10, 10 . .		Sp. mb (a f.c.)
B38106	1907 Aug 31				too faint.
B13455	1895 May 29				n.s.
B14208	1895 July 27				n.s.
B14380	1895 Aug 16				n.s.
I15083	1896 May 7				n.s.
I15116	1896 May 13				n.s.
B20061	1897 Aug 16				n.s.
B20207	1897 Aug. 30				n.s.
I23263	1899 July 31				n.s.
I23279	1899 Aug 4				n.s.
I33266	1905 Aug 21				n.s.
B40418	1909 June 11				n.s.

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1913phae.proj..823F

192201. — Aquilae +1°4003 Sp. ~~Md?~~

Plate	Date	J D	Sp.	Remarks.
~~B24086~~	~~Sept. 7, 1899~~	4905.	~~Md?~~	~~Image very faint.~~
B 698			"	Fl
B 9624			"	Fl
I 3391	Apr. 6, 1891		"	Fl
B10124	Aug. 9, 1893		"	Fl
B12039			"	Fl
B14393	Aug. 19, 1895		"	Fl
B14665	Sept. 18, 1895		"	Fl
I 18454	Aug. 6, 1897		"	Fl
I 20567	Mar. 31, 1898		"	Fl
B21770	June 23, 1898		"	Fl
B24086	Sept. 7, 1899		"	Fl
I 30866	" 12, 1903		"	Fl
I 31949	Aug. 18, 1904		"	Fl
B37572	June 3, 1907		"	Fl

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1913phae.proj..823F

192238. — Sagittarii −38° 13504 Sp.

Plate	Date	J D
B14153	July 18, 1895	
B20083	Aug. 17, 1897	
B39652	Sept. 17, 1908	

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1913phae.proj..823F

19266₂. – Pavonis –63° 4530 Sp. Mc 5–

Plate	Date	J.D.	Sp.	Remarks.
B 39686	Sept. 30, 1908	8295.11	Mc 5-d	
B 39381	July 28, 1908	8151.	Mc 5d	

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1913phae.proj..823E

192745. A.T. Cygni +45° 2913 Sp. Mc 5

Plate	Date	JD	Sp. Remarks.
I36669	April 3, 1910	8765.	Mc 5d
I35465			Sp. Mc (a.f.c.)

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1913phae.proj..823F

192710. S S Aquilae — Sp. —

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1913phae.proj..823E

192928. 7 Cygni +28°3387a Sp. Mc.

Plate	Date	D	Sp.	Remarks.
I 30680	July 27, 1903	323.	Mc	Image faint.
I 30680				Sp Mc (a.j.c.)

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1913phae.proj..823F

193245. ζ Telescopii — Sp. Md 5.

Plate	Date	J D	Sp.	Remarks.
A 3613	June 9, 1899	4815.	Md5	H3, H8, H8, Hε, H8, Hη . 10, 10, . . . dull defined.
A 3613	Where is this plate?		. 10, 10 . .	Sp M6 (a.f.c.)

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1913phae.proj..823F

193311. R T Aquilae +11° 3919a Sp. Md.

Plate	Date	JD	Sp.	Remarks.
B21787	June 25, 1898	4466.	Md ^{10}	Hβ, Hγ, Hδ, He, Hζ, Hη. $\cdot 10\ 100 \cdot \cdot \cdot$
B37598	June 6, 1907	7733.	Md9	$\cdot 10\ 100 \cdot \cdot \cdot$

B37598			17733			$\cdot 10, 80 \cdot \cdot \cdot$	Sp. mc (Ca. f. c.)
B21787	1898	June 25	14466			Hδ bright	Sp. Mc Very ft except Ca. 4227 and He too ft.
I27918	1901	Nov. 3					too ft.
I ~~23117~~ 37191	1911	June 22					too ft.
I23117	1899	July 2	14838		10	60	Sp. Mc.
I23106	1899	June 30	14836			Hδ bright	Sp. Mc.
B24323	1899	Oct. 3					Sp. too ft.
B11553	1894	July 11					Sp. too ft.

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1913phae.proj..823F

193449. R Cygni +49° 3064 Sp. Pec.

Plate	Date	JD	Sp.	Remarks
				Hβ, Hγ, Hδ, Hε, Hζ, Hη
I 2396	Dec. 2, 1890	1704.	Md^2	0.8, 1.0, 0.8, .
? I 2286	Nov. 19, 1890	1691.	Md^2	0.5, 1.0, 0.8 .
I 32398	Dec. 7, 1904	6822.	Nra	.
I 33835	Jan. 29, 1906	7240.	Pec	
I 33913	Mar. 1, 1906	7271.	Nra	
I 34637	April 14, 1907	7680.	Pec.	
I 35358	June 6, 1908	8099.	Pec.	
I 35465	Aug. 28, 1908	8182.	Md'	

I 11229	1894 July 1	13011					Hγ bright Pec all eight lines Hδ to Hη + Hγ.
~~I 11488~~	~~1894 Sept. 23~~	~~13095~~					n. s.
I 32398	1904 Dec. 7	16822					
I 33835	1906 Jan. 29	17240					
I 2286	1890 Nov. 19	11671					
I 2396	1890 Dec. 2	11704					Sp.
I 35465	1908 Aug. 28	18182					
~~I 12139~~	~~1894 Dec. 22~~	~~13185~~					n. s
I 37392	1911 Nov. 27	19368	B 12	10	2		Sp. Pec. Br. Hδ to Hβ + H400
I 37347	1911 Nov. 11	19352	10	8			Sp. Pec. Edge
I 37349	1911 Nov. 13	19354	10	8	1		Sp. Pec.

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1913phae.proj..823F

193509. R Aquilae +9° 4205 Sp. Md 3

Plate	Date	JD	Sp.	Remarks.
B10123	Aug 9, 1893		Md 3 H3, H8, H8 10, 5,	
B11553	July 11, 1894		"	A
I21638	Nov. 3, 1898		"	F
B24323	Oct. 3, 1899		"	F
I31015	Oct. 20, 1903		Md 3 10, 40,	
B37598	June 6, 1907		"	F

B10123		12685	10, 3	Sp. too poor. prob. Ma (a f.c.)
			Brightest between H3 and Hγ	
I23117	1899 July 20	14838	10 3	Sp. fairly probably Ma
I37191	1911 June 22	20210	10 3	Sp. Ma.

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1913phae.proj..823F

193742. 56 Sagittarii — Sp. Md 10.

Plate	Date	J.D.	Sp.	Remarks.
a 4377	May 7, 1900	5147.	Md 10	Hβ, Hδ, Hδ, Hε, Hδ, Hη · 10, 100, . . . faint.
a 4377				Hδ bright Sp. very ft. (a.f.?)

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1913phae.proj..823F

193972 T Pavonis −72° 2452 Sp. Md.

Plate	Date	JD	Sp.	Remarks	
B13777	June 15, 1895	3360.	Md3	Hβ, Hγ, Hδ, Hε 1.0, 1.0,	Hζ, Hη
B17398	Sept. 9, 1896	3812.	Md4	.25 0.3, 1.0, 1.0, ..	Probably br. edge of band.
A6957	Sept. 14, 1904	6738.	Mid		

~~B17398~~		13812		. 10, 9 . ..	Sp. ma (a.j.c.)
B13777	1895 June 15	13360		. 10 4	Sp. Pec. dark lines near Hβ.
B17397	1896 Sept. 9	13812		. 10 4	Sp. Br. bands β+γ not defined
A6957	1904 Sept. 14	16738		. 10 12	Sp. mb

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1913phae.proj..823F

194008. R S Aquilae — Sp. —

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1913phae.proj..823F

194018. – Sagittarii –18°5480 Sp. N.

Plate	Date	J D	Sp.	Remarks.
B39347	July 22, 1908	8145.	Ia	

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1913phae.proj..823F

194048. RT Cygni +48° 2942 Sp. Md.

Plate	Date	JD	Sp.	Remarks Hβ, Hγ, Hδ, Hε, Hζ, Hη
l 11229	July 1, 1894	3011.	Md^3	1.0, 1.0, .
l 907	Mar. 30, 1890	1457.	Md$^{\frac{1}{2}5}$	1.0, 0.7, .
l 12139	Dec. 22, 1894	3185.	Md^{3+}	1.0, 1.0 . . .
l 33573	Oct. 26, 1905	7145.	Md^{6+}	10 10 . . . .
l 33602	Nov. 1, 1905	7151.	Md^5	
l 33706	" 27, "	7177.	Md^5	10 07 . . .
l 35358	June 6, 1908	8099.	Md$^{\frac{1}{2}5}$	10 07 . . .
l 37230	July 26, 1911		Md	Hγ + Hδ bright

I 32398	1904 Dec. 7	16822	. 10, 5 . . .	Sp. Ma, brightest portion near Hβ. (a. J.C.)
I 33048	1905 May 7	16973	. 10 40	Sp. Indistinct.
I 33573	1905 Oct. 26	17145	. 10 8	Sp. Mb
I 33602	1905 Nov. 1	17151	. 10 8	Sp. Mb
I 33693	1905 Nov. 24	17174	. 10 4	Sp. Ma?
I 907	1890 Mar. 30	11457	. 10 3	Sp. perh. Ma nearly cont.
I 35358	1908 June 6	18099	. 10 8	Sp. Ma.
I 11488	1894 Sept. 23	13095		Sp. Very ff Hγ + Hδ br.?
I 12139	1894 Dec. 22	13185	. 10 8	Sp. Ma br. from stig.

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1913phae.proj..823F

194350. W Telescopii — Sp. Md.

Plate	Date	J.D.	Sp. Remarks.
B23029	June 12, 1899	4818.	Md. 7 .. 10, 100, H3, H7, H8,
B9600	" 16, 1893		.. F.
B9680			.. F.
B12270	Sept. 27, 1894		.. F.
B13446	May 28, 1895		.. F.
B17028	July 30, 1896		.. F.
B19920	July 24, 1897		.. F.
B20453	Sept. 18, 1897		.. F.
B36320	June 29, 1905		.. F.
B36360	July 8, 1905		.. F.
B39668	Sept. 22, 1908		.. F. (extremely fn. A.J.C.)
B41414	June 4, 1910		.. F. extreme A.J.C.
B41612	July 13, 1910		.. F.
B41856	Aug. 21, 1910		.. F.
B23029	June 12, 1899	14818	H γ 10, H δ 10 H ε 2, H η 1 Sp Md A.J.C.
B39376	July 27, 1908	18150	Md. Hγ=10 Hδ=9 C Sp = Md

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1913phae.proj..823F

194348. T Ll Cygni +48° 2948a Sp. Md.

Plate	Date	LD	Sp.	Remarks.
l 1828	Sept. 20, 1890		Md 4 H8 H8 10, 40,	
B 1719	Sept. 23, 1887		"	H.
l 907	Mar. 30, 1890		"	H.
l 1268	June 8 1890		"	H.
l 1428	July 11, 1890		"	H.
~~l 1828~~	~~Sept. 20, 1890~~			
l 2286	Nov. 19, 1890		"	H.
l 2306	" 20, "		"	H.
l 2396	Dec. 2, 1890		"	P
B 2887			"	H.
l 3719	June 12, 1891		"	H
l 11229	July 1, 1894		"	H
l 11367	Aug. 18, 1894		"	H
l 11488	Sept. 23, 1894		"	H
l 11504	Sept. 27, 1894		Md 5 10, 30,	
l 12139	Dec. 22, 1894		"	H
l 15830	Aug. 30, 1896		"	P
l 32398	Dec. 7, 1904		"	H.
l 33602	Nov. 1, 1905		"	H.
l 33893	Nov. 24, "		"	H
l 33763	Dec. 26, "		"	H
l 35465	Aug. 28, 1908		"	H
			H4 H8	
1828	1890 Sept 20	11631	10 4	Magnificent exp. with Chamberlain Century H4 almost H8 somewhat defective Sp. for hydrogen lines H8 and H7.

11504

Forbes

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1913phae.proj..823F

194311. RY Aquilae — Sp.—

Plate	Date	J.D.	Sp.	Remarks.

194348 TU Cygni (Cont.)

I 15937	1896 Sept. 11			n.s.
I 15957	1896 Sept. 17			n.s.
I 23171	1899 July 14			n.s.
I 23173	1899 July 15			n.s.
I 25997	1900 Oct. 25			n.s.
I 33706	1905 Nov. 27			n.s.
I 33795	1906 Jan. 16			n.s.
I 33808	1906 Jan. 21			n.s.
I 34637	1907 April 14			n.s.

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1913phae.proj..823F

1944 12. S T Aquilae — Sp. —

Plate	Date	JD	Sp.	Remarks.

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1913phae.proj...023F

194541. X Y Cygni. — Sp. —

Plate	Date	LD	Sp.	Remarks.

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1913phae.proj..823F

19h 46m 04s. χ Aquilae +4° 42' 50" Sp. Md.

Plate	Date	J.D.	Sp. Remarks	H_β, H_δ, H_δ, H_ε, H_ζ, H_η
B 10129	Aug. 10, 1893	2686.	Md 7	1.0, 1.5, ·

B10129	1893 Aug. 10	12686	. 10, 10 . . .	~~Sp. mb~~ (a.f.c.)
B10128	1893 Aug 10	12686	. 10 25	Sp Mc.
B14420	1895 Aug 21	13427		n.s.
B24040	1899 Sept 1	14899		n.s.
I 30941	1903 Sept. 25	16383		n.s.
I 34811	1907 Aug 12	17800		n.s.
I 36743	1910 July 4	18857		n.s.
B41438	1910 June 10	18833		n.s.

χ Cygni (Cont.)

I ~~R~~ 9657	1893 Oct. 12	2749					H_δ bright		Sp. Mc.
I ~~R~~ 9896	1893 Nov. 7	2775	H_β 7	10	20	. 10	4	3 3	Sp. Mc.
I 27938	1901 Nov. 7	5686		. 10	7				Sp. too fr Other br. this present.
C ~~47310~~									
C ~~29167~~									
~~I 1326~~									
I ~~1326~~ 1324	1890 June 23	1542		. 10	20				Sp. Mc
I 4006	1891 Aug 13	1958		10	90				Sp. mb fp.

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1913phap..proj...823F

194632. ~~P~~ χ Cygni +32° 3593 Sp. Md.

Plate	Date	J.D.	Sp.	Remarks.
I 3989	Aug. 11, 1891	1956.	Md^5	Hβ, Hγ, Hδ, Hε, Hζ, Hη Hθ Hι 1.0, 5.0, ·
I 1326	June 23, 1890	1542.	Md^6	1.0, 1.4, ·
I 1668	Aug. 24, 1890	1604.	Md^7	0.5, 1.0, 10.0, · 1.5, 0.8,
I 9896	Nov. 7, 1893	2775.	Md^6	0.5, 1.0, 5.0, · 1.0, 0.5, 0.4, 0.3.
I 4090	Aug. 22, 1891	1967.	Md^6	1.0, 7.0, ·
I 4006	" 13, "	1958.	Md^6	1.0, 7.0, ·
I 32375	Dec. 1, 1904	6816.	Md	
I 34630	April 6, 1907	7672.	Md	

I 1219	1890	May	22	1510								Hδ bright Sp. Mc
I 1315	1890	June	18	1537	#	10	10	.	5	3	1	1 Sp. Mb H227 strong
I 1431	1890	July	11	1560		10	10	.	5	3	1	1 Sp. cont. of fainter than on I 1315
I 1524	1890	July	23	1572		10	30	.	3	.	.	Sp. Mc
I 1668	1890	Aug.	24	1604		10	50	.	1	2	4	Sp. Mc H227 strong.
I 1819	1890	Sept	18	1629		10	70	.	9	.	.	Sp. Very ff. Mc.
I 1978	1890	Oct.	13	1654								Hδ bright Sp. barely seen.
I 3800	1891	July	6	1920								Hδ bright Sp. Mc. Very ff.
I 3998	1891	Aug.	13	1958								Hδ bright Sp. Mc. Focus very poor
I 4090	1891	Aug.	22	1967		10	90	.	20			Sp. Mc H227 Very strong 1 ff barely seen.
I 4480	1891	Oct.	9	2015								Hδ Hη Hθ bright Sp. Mc.
I 4608	1891	Oct.	23	2029		10	60				15	Hδ very Sp. Mc
I 9723	1893	Oct.	21	2027 2758								Hδ very br. Sp. Mc
I 27896	1901	Oct.	31	5689		10	20					Sp. Mc
I 27928	1901	Nov.	4	5693		10	12					Sp. Mc
I 32375	1904	Dec.	1	6816		10	60	.	8			Sp. Mc
I 35360	1908	June	6	8099		10	80	.	6			Sp. Mc H227 strong.
I 36100	1909	June	26	8484		10	40					Sp. Mc Edge.
I 36102	1909	June	28	8486		10	30					Sp. Mc
I 34630	1907	April	6	7673		10	80	.	12			Sp. Mc.

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1913phae.proj..823F

194632 χ Cygni (cont.)

					β	r	δ				
C 2750	1890	June 10	11529		5	10	25				Sp. too ft.
C 2767	1890	June 21	1540		5	10	20				Sp. Mb
C 2774	1890	June 25	1544		4	10	30.	3	3	1 1	Sp. Mb
* C 2789	1890	July 5	1554		5	10	25.	3	1	1 1	Sp. Mb
C 6318	1893	Dec. 12	2810		3	10	20.	2	1	..	Sp. Mb
C 6387	1893	Dec. 25	2823		3	10	20.	2	.	..	Sp. Mb
C 6H12	1894	Jan. 1	2830		3	10	25	.	.	....	Sp. too ft.
C 6H31	1894	Jan 2	2831		.	10	25	.	.	....	Sp. too ft.
C 6H 8	1894	Jan. 8	2837		.	10	20	.	.	....	Sp. too ft.
C 6H 1	1894	Jan. 13	2842		.	10	25	.	.	..	Sp. too ft.
C 6H81	1894	Jan. 19	2848		.						Plate too poor
C 6866	1894	July 1	3011		.						
C 12058	1899	July 30	H836								
* C 2783	1890	June 30	1549		8	10	15	.	4	2 1	Sp. Mb

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1913phea.proj...823F

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1913phae.proj..823F

194659 S Puppis −59° 7544 Sp. Md.

Plate	Date	JD	Sp.	Remarks.
B 19013	May 3, 1897	4048.	Mcod	
B 21680	June 14, 1898	4455.	Mcod	
B 21858	July 23, 1898	4494.	Mcod	
B 39381	July 28, 1908	8151.	Md	
B 39282	June 29, 1908	8122.	Md[9]	

B 39262	1908	June 26	18119	Mc brightest between H8 and H2 (A.J.C.)	
B 40422	1909	June 12	18470	Mc	
B 39282	1908	June 29	18122		Sp. Mc.
B 39381	1908	July 28	18151		Sp. Mc
B 40422	1909	June 12	18470		Sp. Mc.

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1913phap.proj...823F

194929. RR Sagittarii −29° 16646 Sp. Mc.

Plate	Date	JD	Sp. Remarks (Hβ, Hγ, Hδ, Hε, Hζ, Hη)
B14137	July 15, 1895	3390.	Md 7. 1.0, 8.0, .
B12001	Aug. 24, 1894	3065.	Md 7 1.0, 5.0, .
B10137	Aug. 11, 1893	2687.	Md 8 1.0, 1.2, .
B10136	" " "	"	Md 8 1.0, 1.0, . . .
B7012	Oct. 3, 1891	2009.	Md 9 1.0, 5.0, .
B9830	July 19, 1893	2664.	Md 6 1.0, 3.0, .
B13436	May 27, 1895	3341.	Md 7 1.0, 6.0, .
B11965	Aug. 21, 1894	3062.	Md 7 1.0, 5.0, .
B9803	July 14, 1893	2659.	Md. ~~10 80 . 8 .~~
B13759	June 13, 1895	3358.	Md 7 . 10 80 . . .
B36859	Sept. 1, 1905	7090.	Md 9 10 80 . 8 . .

B36859		17090	. 10; 70	. 3	1	Sp. Mb (a.J.C.)
B7012	1891 Oct. 3	12009	. 10 50			Sp. Mb 4227 strong
B9803	1893 July 14	12659	. 10 12			Sp. Mb Near Edge.
B9830	1893 July 19	12664	. 10 30			Sp. Mc 4227 strong
B10136	1893 Aug. 11	12687	. 10 12			Sp. Mb 4227 weak
B10137	1893 Aug. 11	12687	. 10 12			Sp. Ma 4227 weak
B11965	1894 Aug 21	13062	. 10 40			Sp. Mb
B12001	1894 Aug. 24	13065	. 10 50		2	Sp. Mb. numerous dark lines seen.
B13436	1895 May 27	13341	.. Hδ bright			Sp. Mc Br. near Hδ.
B13759	1895 June 13	13358	. 10 40			Sp. Mc No dark lines seen.
B14137	1895 July 15	13390	. 10 40	. 2/5 7		Sp. Mc
B36859	1905 Sept. 1	17090	. 10 60	. 2	1	Sp. Mc.

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1913phae.proj..823F

19542 R Sagittarii −42° 14584 Sp. Md.

Plate	Date	JD	Sp. Remarks. Hβ, Hδ, Hδ, Hε, Hδ, Hη
B3427	June 6, 1889	1160.	Md4 1.0, 0.8, ·
B8393	Aug. 21, 1892	2332.	Md4 1.0, 1.2, ·
B8418	" 25, "	2336.	Md4 1.0, 1.2, ·
B9601	June 16, 1893	2631.	Md8 1.0, 1.2, ·
B9574	June 12, "	2627.	Md8 1.0, 1.0, ·
B8232	July 30, 1892	2310.	Md9 1.0, 6.0, ·
~~B8233~~ ~~B8243~~			~~Md8~~ · 10 50 · · ·
B12002	Aug. 24, 1894	3065.	Md5 · 10 12 · · · ·
B12048	" 31, "	3072.	Md4 · 10 10 · · · ·
B13760	June 13, 1895	3358.	Md6 " 10 08 · · · ·
A2023	Aug. 31, 1896	3803.	Md7 " 10 100 · · · ·
B41761	Aug. 5, 1910	8889.	Md5

A2023	1896 Aug. 31	13803	· 10	40	Sp. Mb
B39673	1908 Sept. 21st	18178	Hγ=10	Hδ=10	
B3427	1891 June 13	11897	10	8	Sp. too ft.
B8232	1892 July 30	12310		Hδ bright	Sp. Mc. 4227 strong.
B8393	1892 Aug. 21	12332	10	10	Sp. Mb
B8418	1892 Aug. 25	12336	10	11	Sp. Mb
B9574	1893 June 12	12627	10	9	Sp. Mb
B9601	1893 June 16	12631	10	10	Sp. Mb
B12002	1894 Aug. 24	13065	10	12	Sp. Mb
B12048	1894 Aug. 31	13072	10	10	Sp. Mb
B13760	1895 June 13	13358	10	8	Sp. Mb
B13787	1895 June 17	13362	10	15	Sp. Mb.
B39598	1908 Sept. 14	18199			Sp Mc. Focus poor.
B41761	1910 Aug. 5	18889	10	7	Sp Mb

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1913phae.proj...823F

195202. R R Aquilae — Sp. Md.

Plate	Date	JD	Sp. Remarks. (Hβ, Hγ, Hδ, Hε, Hζ, Hη)
B13416	May 24, 1895	3338.	Md 5 1.0, 30 . . . . .
B14149	July 17, 1895	3392.	Md? . . . . .
B22023	Oct. 10, 1898	4573.	Md 10 . 10 80 . . . .
B37589	June 5, 1907	7732.	Md 10 . 10 100 . . . .

B22023 — Hγ=10, Hδ=80 422) slimp.

B13H16	1895 May 24	13338	10	13	Sp. Mb
B1H1H9	1895 July 17	13392			too faint
B22023	1898 Oct. 10	14573	10	25	Sp. Mb.
B37589	1907 June 5	17732	10	80	Sp. Mc.
B H1H19	1910 June 5	18828	10	30	Sp. Mb
B H1551	1910 June 29	18852	10	12	Sp. Mb

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1913phae.proj..823F

195308. R Aquilae — Sp. Md.

Plate	Date	J D	Sp.	Remarks.
B 13416	May 24, 1895	3338.	Md^3. 10 02. . . .	
B 13416			H 5 Object mapped with chart maps in B 16450	Sp. vs faint
B 10156	1893 Aug 15			N.S.
B 11391	1894 June 8			N.S.
B 13821	1895 June 22			N.S.
I 25516	1900 July 1			N.S.
I 34189	1906 Aug 18			N.S.
I 34836	1907 Aug 29			N.S.
I 35H12	1908 July 26			N.S.
I 35684	1908 Nov. 21			N.S.
I 36128	1909 July 25			N.S.
I 36833	1910 Sept 22			N.S.
B H09009	1909 Oct 9			N.S.
B H1565	1910 July 1			N.S.
B H1604	1910 July 12			N.S.

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1913phae.proj..823F

195763. RR– Parvins — Sp. Md.

Plate	Date	J D	Sp.	Remarks.
B39282	June 29, 1908	8122.	Md 5	

B39282	1908 June 29	18122	1d 10, 1d 12,	Sp. Ma
B11529				N.S.
B19013	1897 May 3			N.S.
B21680	1898 June 14			N.S.
B21858	1898 July 23			N.S.
B42485	1911 July 21			N.S.
B42680	1911 Sept. 16			N.S.

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1913phae.proj..823F

195855. S Telescopii. −55° 9313 Sp. −

Plate	Date	J D	Sf.	Remarks.

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1913phae.proj..823F

195849. Σ Boyguni $+49^{\circ}3160a$ Sp. Md.

Plate	Date	Jd	Sp. Md 6	Remarks. HB, Hγ, HS, He, HS. Hη
I33706	Nov. 27, 1905	7177.		
I33706		17177	. 10, 2 . . .	Sp. Mc Brightest between HB & Hγ (a.f.c.)
I34637	1907 April 14	17680	10 5	Sp. Mc. Br. hrs. round
I2306	1890 Nov. 20			n.s.
I9890	1893 Sept. 3			n.s.
I11317	1894 Aug. 6			n.s.
I11367	1894 Aug. 18			n.s.
I11504	1894 Sept 27			n.s.
I15740	1896 Aug 19			n.s.
I15830	1896 Aug. 30			n.s.
I15937	1896 Sept 11			n.s.
I15957	1896 Sept 17			n.s.
I18137	1897 May 23			n.s.
I21464	1898 Oct. 20			n.s.
I23171	1899 July 14			n.s.
I23173	1899 July 15			n.s.

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1913phae.proj..823F

200027. — Sagittarii Sp. Mdq.

Plate	Date	J D	Sp.	Remarks.
B 9803	July 14, 1893	2659.	Md.	
B 11965	Aug. 21, 1894	3062.	Mcod	
B 20244	Sept. 2, 1897	4170.	Mcod	
A 6476	July 28, 1903	6324.	Mcod	
B 37035	Sept. 29, 1905	7118.	Mcod	
B 40624	July 21, 1909	8509.	Mcod	
B 40595	" 13, "	8501.	Md 9	

B 40716	1909 Aug. 12	18531	45 hr.	
B 9803	1893 July 14	12659		Sp. Mc.
B 9830	1893 July 19	12664		Sp. Mc.
B 13839	1895 June 27	13372		Sp. Mc.
B 14137	1895 July 15	13390		Sp. Mc
B 14684	1895 Sept 20	13457		Sp. Mc
B 40595	1909 July 13	18501		Sp. Mc.
B 40635	1909 July 24	18512		Sp. Mc.

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1913phae.proj..823F

200212 S Y Aquilae +12° 4228 Sp. Md.

Plate	Date	JD	Sp. Remarks H3, Hγ, Hδ, Hε, Hζ, Hη
I 33226	July 26, 1905	705-3.	Kid S?
I 33226		17053	Hδ bright
I 1608	1890 Aug. 6		Sp. too faint. A.J.C.
B 14666	1895 Sept. 18		n.s.
I 27918	1901 Nov. 3		n.s.
I 33248	1905 Aug. 5		n.s.
I 33388	1905 Sept. 25		n.s.
I 34917	1907 Oct. 8		n.s.
I 35517	1908 Oct. 13		n.s.
I 36278	1909 Oct. 19		n.s.

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1913phae.proj..823F

20 03 57. S Cygni +57° 2134. ✱* Sp. —

Plates	Date	ΔT	Sp.	Remarks

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1913phae.proj..823F

200360. X Personis -60° 7384, Sp. Mdg.

Plate	Date	J D	Sp.	Remarks.
B19013	May 3, 1897	4048.	Mc 5d	
B21858	July 23, 1898	4494.	Mc 5d	
B39467	Aug. 19, 1908	~~4521.~~ 8173.	Mc 5d	
B39282	June 29, 1908	8122.	Mld 9	

B39282 June 29, 1908 Mc. a.f.c.

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1913phae.proj..823F

200514. R Capricorni -14°5663 Sp. -

Plate	Date	ΔD	Sf.	Remarks.

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1913phae.proj..823F

200715a S Aquilae +15° 4078 Sp. –

Plate	Date	A D	Sp.	Remarks.

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200706. – Aquilae – Sp. –

Plate	Date	JD	Sp.	Remarks.

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1913phae.proj..823F

200747. R Telescopii −47° 13305 Sp. Md.

24103349 + 462 E

Plate	Date	J D	Sp.	Remarks.
B 12270	Sept. 27, 1894	3099.	Md	
B 39666	Sept. 21, 1908	8206.	Md^8	
B 39668	" 22, "	8207.	Md^7	
B 39673	" 24, "	8209.	Md^7	
B 39677	" 27, "	8212.	Md^8	
A 8331	June 1, 1907	7728.	Md^9	

B 39666	1908 Sept 21	18206	Hγ=10 Hδ=50	
B 39668			Hγ=10, Hδ=50	
B 12270	1894 Sept 27	13099	. 10 15	Sp. Mb
B 39598	1908 Sept. 14	18199	. 10 40	Sp. Mc
B 39668	1908 Sept 22	18207	. 10 40	Sp. Mc
B 39673	1908 Sept 24	18209	. 10 30	Sp. Mc
B 39677	1908 Sept 27	18212	. 10 40	Sp Mc
A 8331	1907 June 1	17728	. 10 40	Sp Mc

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1913phae.proj..823F

200812. R U Aquilae +12° 4256a Sp. Md 7.

Plate	Date	JD	Sp. Remarks. Md 7. H(3, Hγ, Hδ, Hε, Hζ, Hη		
I 36278	Oct. 19, 1909	8599.			
I 36278	Oct. 19, 1909	18599		.10, 6 . . .	Sp. mb a.j.c.
I 1608	1890 Aug. 6				n.s.
I 27918	1901 nov. 3				n.s
I 33226	1905 July 26				n.s
I 33248	1905 Aug. 5				n.s
I 33388	1905 Sept 25				n.s
I 34917	1907 Oct. 8				n.s
I 35571	1908 Oct. 13				n.s.

200806 T V Aquilae

			v δ	
B 37599	1907 June 6	17733	.10 12	mb
I 23186	1899 July 18	14854		Mc Very fr.

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1913phat.proj...823F

200844. R Z Sagittarii -44° 13831 Sp. N

Plate	Date	JD	Sp. Remarks.
a 2023	Aug. 3, 1896	37705.	Ira? Pec?

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1913phae.proj..823F

200822. W Capricorni -22°5373 Sp. —

Plate	Date	D	Sp.	Remarks.

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1913phae.proj...823F

20 09.6. R Sagittae +16°4197 Sp. G.

Plate	Date	R.A.	Sp. G	Remarks.
	20 09 49	α Cygni	+49° 3225	
I33706		mc.		a.j.c.

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1913phae.proj..823F

200906. Z Aquilae -6°5419 Sp.-

Plate	Date	JD	Sp.	Remarks.
~~I 35412~~	~~July 26, 1908~~	~~8149.~~	~~Md?~~	
B 10156	1893 Aug. 15			n.s.
I 18036	1897 April 30			~~n.s.~~ n.s.
I 18612	1897 Aug. 31			~~n.s.~~ Too faint.
I 25516	1900 July 1			n.s.
I 34735	1907 July 1			n.s.
I 34836	1907 Aug. 29			n.s.
I 35412	1908 July 26			n.s.
I 35684	1908 Nov. 21			n.s.
B 41551	1910 June 29			n.s.
B 41604	1910 July 12			n.s.
I 36833	1910 Sept. 22			n.s.

200904 – Aquilae

B 37599	1907 June 6	17733	.	10	20	Sp. Mc
I 34837	1907 Aug. 29					n.s.

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1913phae.proj...823F

201008. R Delphini +8° 4385a Sf. Md

Plate	Date	J D	Sp. & Remarks (Hβ, Hγ, Hδ, Hε, Hζ, Hη)
I 11301	July 30, 1894	30340.	Md 1 1.0, 1.2, . . .
I 11244	" 8, 1894	30318.	Md 19 1.0, 70 . . .

I 11301	1894	July	30	30340	. 10, 12 . .	Sp. Ma a.j.c.
I B 34837	1907	Aug.	29	17817	. 10, 30 . .	Sp. Mc "
I 11244	1894	July	8	30318	. 10 40	Sp. Mb
B B 10153	1893	Aug.	15			n. s.
I 11307	1894	Aug	1			n. s.
B 14666	1895	Septemb.	18			n. s.
B 37599	1907	June	6			n. s.

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1913phae.proj..823F

201139. - R J Sagittarii -39° 13722 Sp. Md.

Plate	Date	JD	Sp. Remarks (Hβ, Hγ, Hδ, Hε, Hζ, Hη)
B13787	June 17, 1895	3362.	Md5 · 1.0, 1.0, · · · · ·
B14386	Aug. 17, 1895	3423.	Md8 1.0, 1.2, ·
B12196	Sept. 19, 1894	3091. ,,	Md 110 1.0, 7.0; ·
B12002	Aug. 24, "	3096.	Md
B12269	Sept. 27, 1894	3099.	Md9 · 10 100 · · · ·
B14136	July 15, 1895	3390.	Md5 · 10 10 · · · ·
B39677	Sept. 27, 1908	8212.	Md8
B40857	Sept. 15, 1909	8565.	Md5

B39648	1908 Sept. 16	18201	Hγ=10 Hδ=15	Sp. Mb.
B40857	1909 Sept. 15	18565	Hγ 10 Hδ 12	Sp. Mc
B12002	1894 Aug. 24	13065	· 10 30	Sp. Mc faint.
B12196	1894 Sept. 19	13091	· 10 60	Sp. Mc
B12296	1894 Sept 27	13099	· 10 70	Sp. Mc
B14136	1895 July 15	13390	· 10 10	Sp. Mc.
B14386	1895 Aug. 16	13422	· 10 9	Sp. Mb faint
B39677	1908 Sept. 27	18212	· 10 15	Sp. Mc.
B13787	1895 June 17	13362	· 10 12	Sp Mb

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1913phae.proj...823F

20 11 52. X Telescopii — Sp. Md.

✓

Plate	Date	JD	Sp.	Remarks.
A3606	June 8, 1899	48 14.	Mc5d	H8 H8 " "
B23029	June 12, 1899	48 18.	Md5	10, 10,
B39666	Sept. 21, 1908		"	" " fl.
B85-74			"	fl
B11685	July 25, 1894		"	fl
B11691	" 26, "		"	fl.
B40924	Oct. 11, 1909		"	fl

B23029	1899 June 12	14818	10, 20 . . .	Sp. mb	a.f.c.
B11691	1894 July 26			n.s.	
B39316	1908 July 7			n.s.	
B39320	1908 July 8			n.s.	
B40924	1909 Oct. 11			n.s.	
B40929	1909 Oct. 12			n.s.	
B42461	1911 July 16			n.s.	

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1913phae.proj..823F

201130. S X Cygni +30° 3960a Sp. Mod.

Plate	Date	JD	Sp. Remarks.
I 34121	June 27, 1906	7389.	Ord^{8}. 10 70 . . . .

I 34121 H & bright, other portions too faint. A.J.C.

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1913phae.proj..823F

201251. γ Telescopii -51° 12487 Sp. Md

Plate	Date	JD	Sp.	Remarks. Hγ Hδ
B17029	July 30, 1896	3771.	Mc5d.	
B17920	July 24, 1897	4130.	Mc5d	
A6925	Sept. 9, 1904	6733.	Mc	
B39372	July 26, 1908	8149.	Mc	
B39666	Sept 21, 1908	8206.	Md8?	" "
B39668	" 22, 1908	8207.	Mc5d	
B23029	June 12, 1899		Md6	10, 50,

B 23029 Mc a.J.C.

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1913phae.proj..823F

20h34. a Lyncis. — Sp. Md.

Plate	Date	Jt	Sp. Remarks
I 33561	Oct. 23, 1905	7142.	Md 6 Hβ. Hγ. Hδ. Hε. Hζ. Hη . 10 40 . . . .
I 33562	" " 1905	7142.	Md? . 10 40 . . . .

I 33562	1905 Oct 23			Mc Focus very fine
I 33561	Oct. 23, 1905		. 10, 12 . . .	Sp. Mb a.j.c.
I 2231	1890 Nov. 10			N.S.
I 2328				N.S
I 3729	1891 June 14			N.S
I 4440	1891 Oct. 5			N.S
I 4666	1891 Nov. 2			N.S
I 8714	1893 July 7			N.S
I 14063	1895 Dec. 16			N.S
I 15287	1896 June 10			N.S
I 15298	1896 June 16			N.S
I 15312	1896 June 18			N.S
I 19033	1897 Sept. 27			N.S
I 30983	1903 Oct. 13			N.S
I 30985	1903 Oct. 14			N.S
I 33362	1905 Sept. 22			N.S
I 33561	1905 Oct. 23			N.S
I 34121	1906 June 27			N.S
I 34150	1906 July 25			N.S
I 34805	1907 Aug. 10			N.S
I 34900	1907 Oct. 2			N.S
I 36267	1909 Oct. 16			N.S

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1913phae.proj..823E

20 14 37.6. W X Cygni +37° 3876. Sp. N

Plate	Date	LD	Sp.	Remarks.
A 1546	July 30, 1895		N	0, 6, 10

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1913phae.proj..823F

20164.7. ν Cygni +47° 3077 Sp. Pec.

Plate	Date	AD	Sp.	Remarks.
l 31923	Aug. 11, 1904	6704.	Sta	
l 34637	April 14, 1907	7680.	Pec.	
l 36206	Sept. 18, 1909		Pec.	
l 36256	Oct. 13, 1909		Sta	
l 36210	Sept. 19 1909		Pec.	

I 36206 }	Sept. 18, 1909	Perhaps 2, 6, 10. Spectrum appears (a.f.c)	
I 36210 }	" 19, 1909	to change slightly	
I 36256	Oct. 13, 1909	0, 6, 10	
I 16310	1896 Oct. 26		R8
I 31923	1904 Aug. 11		Poor 0, 6, 10
I 33580	1905 Oct. 27		Too ft.
I 33603	1905 Nov. 1		Too ft.
I 34637	April 14		R8
I 36190	1909 Sept. 7		R8
I 36206 (Best)	1909 Sept. 18		R8
I 36210	1909 Sept. 19		
I 36256	1909 Oct. 13		

202128 π Microscopii (Cont.)

B13853	1895 June 29	13374	.	10 30. 3	Sp. Mc.
B H0728	1909 Aug. 16	18535	.	Hδ bright	Sp. Mc. Hδ = H202

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1913phae.proj..823F

202128. τ Microscopii $-28°16682$ Sp. Md.

Plate	Date	J D	Sp. Remarks. $H\beta, H\delta, H\delta, H\varepsilon, H\xi, H^n$
B13853	June 29, 1895	3374.	Md7 · 1.0, 2.0, ·,
B 9814	July 17, 1893	2662.	Mcsd
B 9870	" 21, "	2666.	Mcsd
B13839	June 27, 1895	3372.	Md9 · 10 100 · · · ·
B19930	July 26, 1897	4132.	Mcsd
A 6476	July 28, 1903	6324.	Mcsd
A 6917	Sept. 8, 1904	6732.	Mc
B40738	Aug. 19, 1909	8538.	Mcsd
B40750	" 22, "	8541.	Md^{6Hd} · 10 10 · · · ·
B40428	Aug. 16, 1909	8535.	Md6 · 10 20 · · · ·
B40897	Oct. 7, 1909	8587.	Md7 · 10 20 · · · ·
B37115	Oct. 16, 1905		Mcsd.

B13839	June 27, 1895	13372	Hδ very bright		Sp. Mc a.j.c.
B40897	Oct. 7, 1909	18587	Mc		
B 6567	1891 July 16	11930			Sp. Mc no br. lines
B 9803	1893 July 4	12649			Sp. Mc
B 9814	1893 July 17	12662			Sp. Mc
B13839	1895 June 27	13372	. 10	60	Sp. Mc 4202 bright
B14684	1895 Sept 20	13467	. .	.	Sp. Mc 4202 bright
B19930	1897 July 26	14132	. .	.	Sp. Mc
BH0613	1909 July 18	18506	. .	.	Sp. Mc 4202 bright
BH0722	1909 Aug 14	18533	Hδ bright, barely seen		4202 = 2 times Hδ
BH0750	1909 Aug. 22	18541	. 10	10 both ff.	Sp. Mc 4202 = 1.5 Hδ
BH895	1910 Sept 10	18925			Sp Mc

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1913phae.proj..823F

202240. H. Microscopii -40°13888 Sp. Md.

Plate	Date	JD	Sp. Remarks.
B17063	Aug. 6, 1896	3778.	Md^9 Hβ, Hδ, Hε, Hζ, Hη 1.0, 4.0, ·,
A 2023	Aug. 31, "	3803.	Md
A 4365	May 4, 1900	5144.	Md
B39677	Sept. 27, 1908	8212.	Md^9

A 2023	Aug. 31, 1896	13803	Hδ, Very bright	Sp. Mc. a.f.c.
A 4365	1900 May 4	15144	· 10 60	Sp. Mc.
B 17063	1896 Aug 6	13778	10 30	Sp. Mc. H227 string
B 20185	1897 Aug. 27			N.S.
B 20481	1897 Sept. 21			N.S.
B 10102	1893 Aug 2			N.S.
B 11328	1894 May 30			N.S.
B 20084	1897 Aug. 17			N.S.
B20185	1897 Aug. 27			N.S.
B20481	1897 Sept 21			N.S.
B40857	1909 Sept. 15			N.S
B 39677	1908 Sept. 27	18212	Hδ bright	Sp. too fr.

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202505. TZ Aquilae −5° 5288 Sp. Mc5.

Plate	Date	JD	Sp.	Remarks.
B40591	July 12, 1909	8500.	Mc5d	
B40843	Sept. 10, 1909	8560.	Mc5d	
B40843			Mc	a.f.c.

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1913phae.proj..823F

202622. R U Capricorni — Sp. Md 5.

Plate	Date	JD	Sp.	Remarks.
~~B 40617~~	~~July 19, 1909 8 07.~~		~~Md 5~~	~~HB, Hδ, Hδ, Hε, Hδ, Hη 10, 10, . . . Very faint~~
B 12303	1894 Oct. 16			n.s.
B 12304	1894 Oct. 16			n.s.
B 13871	1895 July 1			n.s.
B 16264	1896 July 11			n.s.
B 17404	1896 Sept. 10			n.s.
B 19913	1897 July 23			n.s.
B 20125	1897 Aug. 19			n.s.
B 39493	1908 Aug. 28			n.s.
	202732	α Cygni	+32° 3850	
I 34121			Dec.	(a.f.c.)
I 30681	1903 July 27			Np.
I 1231	1890 May 29			n.s.
I 1829	1890 Sept 20			n.s.
I 2026	1890 Oct. 21			n.s.
I 2430	1890 Dec. 7			n.s.
I 2470	1890 Dec. 12			n.s.
I 2504	1890 Dec. 15			n.s.
I 2529	1890 Dec. 19			n.s.
I 2554	1890 Dec. 22			n.s.
I 2591	1890 Dec. 24			n.s.

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1913phae.proj..823F

202817. Z Delphini +16°4290 Sp. Md4.

Plate	Date	JD	Sp.	Remarks.
				Hβ, Hδ, Hδ, Hε, Hζ, Hη
I31167	Nov. 20, 1903	6439.	Md4	. 10, 10, . . .
I31193	" 25, "	6444.	Md4	. 10, 10? . . .
I13156	July 31, 1895	3406.	Md4	. 10, 4, . . .

I31167	Nov. 20, 1903	16439	~~10, 20~~ . . .	Sp may resemble R Androm., brightest between Hβ and Hγ.
I12994	1895 June 17	13362		Too faint.
I13085	1895 July 18	13393	. 10 5	Sp. Too poor.
I13156	1895 July 31	13406	. 10 3	Sp. Too poor.
I31167	1903 Nov. 20	16439	. 10 5	Sp. Pec.
I31193	1903 Nov. 25	16444	. 10 3	Sp. Pec.
I32240	1904 Oct. 28	16782	. 10 10	Sp. Mc. Very ft.

I31167 best. Shows the spectrum between Hβ and Hγ when of the R Andromedae class.

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1913phae.proj..823F

202954. S Cygni +54° 2373 a Md8.

Plate	Date	JD	Sp. Md8	Remarks. Hβ, Hδ, Hδ, Hε, Hζ, Hη
I32311	Nov. 12, 1904	6797.	. 10, 60, . . .	
I32311	1904 Nov. 12	16797	. 10, 30 . . .	Sp. too faint (@ J.C.)
I33698	1905 Nov. 25			Too fr.

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1913phae.proj..823F

203226. V Vulpeculae +26°3937 Sp. –

Plate	Date	JD	Sp.	Remarks.

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1913phae.proj..823F

203422. R.A. – Vulpeculae +22° 4137 Sp. Md5.

Plate	Date	Δ D	Sp. Md5	Remarks. H3. Hγ. Hδ. Hε. Hζ. Hη
I 19053	1897 Sept. 28			Sp. Ma a.j.c.
I 27792	1901 Oct. 16			Too poor.
I 1470	1890 July 16			n.s.
I 1632	1890 Aug. 14			n.s.
I 2542	1890 Dec. 20			n.s.
I 3944	1891 Aug 6			n.s.
I H133	1891 Sept 2			n.s.
I H339	1891 Sept 25			n.s.
I 6392	1892 June 1			n.s.
I 6623	1892 July 20			n.s.
I 7352	1892 Oct. 4			n.s.
I 7366	1892 Oct. 4			n.s.
I 7426	1892 Oct. 28			n.s.
I 7432	1892 Oct. 30			n.s.
I 7536	1892 Nov. 17			n.s.
I 9936	1895 Nov. 18			n.s.
I 23162	1899 July 13			n.s.
I 3H183	1906 Aug 17			n.s.
I 36781	1910 Aug 9			n.s.

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1913phae.proj..823F

203429. R Microscopii -29° 17235 Sp. Md.

Plate	Date	J.D.	Sp.	Remarks H3, Hδ, Hδ, Hε, Hζ, Hη
B9814	July 17, 1893	26662.	Md5	1.0, 0.6, . . Cannot find
B13853	June 29, 1895	33374.	Md6	10, 12, . . .
B13853				10, 20 . . . Sp. mb a.j.c.
B19930	1897 July 26			n.s.
B40613	1909 July 18			n.s.
B40922	1909 Aug 14			n.s.
B40950	1909 Aug 22			n.s.
B41895	1910 Sept 10			n.s.

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1913phae.proj..823F

203551. 4 Indi −51° 12676 Sp. Md?

Plate	Date	Δ D	Sp.	Remarks.
B39372	July 26, 1908	8149.	Md?	
B39372			Mc	a.f.c.

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1913phae.proj..823F

203611. γ Delphini — Sp. —

Plate	Data	JD	Sp.	Remarks.

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1913phae.proj..823F

203847. V Leyyni +47° 3167a Sp. Md?

Plate	Date	J.D.	Sp.	Remarks.
~~I 7732~~	~~Dec 24, 1892~~	2407.	Md?	Image faint & poor.
I 1434	1890 July 13			H.S.
I 4712	1891 Nov. 4			"
I 7413	1892 Oct. 24			"
I 7642	1892 Dec. 9			"
I 7720	1892 Dec. 23			"
I 7744	1892 Dec. 26			"
I 10344	1894 Jan. 1			"
I 10426	1894 Jan. 13			"
I 16310	1896 Oct. 26			"
I 16464	1896 Nov. 6			"
I 18153	1897 May 29			"
I 33603	1905 Nov. 1			"
I 34636	1907 April 14			"
I 35575	1908 Oct 14			"

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1913phas.proj...023F

203816. S Delphini +16° 4357 Sp/Mc.

Plate	Date	J.D.	Sp. Mc	Remarks.
I 23107	1899 June 30	14836	Mc	
18182			Sp light? If so, very pl. Mc	

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1913phae.proj..823F

203905. γ Aquarii $-5^{\circ}5359$ Sp. Mc.

Plate	Date	J D	Sp.	Remarks.	
~~I 23155~~	~~July 12, 1899~~	~~4848.~~	~~Mc~~		~~Imagepoor.~~
I 2503	Dec 15, 1890		"	H.	
B 10253			"	H.	
B 10370			"	H.	
B 13874	July 1, 1895		"	H.	
B 14193	July 25, 1895		"	H.	
B 14379	Aug. 16, "		"	H.	
B 14692	Sept. 21, "		"	H.	
I 16689	Dec. 7, 1896		"	H.	
B 22768	May 8, 1899		"	H.	
I 27919	Nov. 3, 1901		"	H.	
B 7351					M. S.
B 10370					"
B 14182	1895 July 23				"
B H0609	1907 July 17				"
B H0883	1909 Sept. 10				"
B H2522	1911 July 31				"

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1913phae.proj..023F

204016. J Delphini +16°4245a Sp. Md.

Plate	Date	JD	Sp. Remarks.
I32240	Oct. 28, 1904	6782.	Md.8 (Hβ, Hγ, Hδ, Hε, Hζ, Hη) 10 80
I33419	Sept. 28, 1905	7117.	Md.6 10 30
I32240		16782	Hδ bright Sp. mc (a.f.c.)
I33419		17117	10, 10 mb
I7580	1892 Nov. 14	12417	Hδ bright Sp. too ff.
I18182	1897 June 1	14077	10 6 Sp. mb
IH844	1891 Nov. 25		n.s.
IH970	1891 Dec. 5		n.s.
I75H2			n.s.
I9935	1893 Nov. 18		n.s.
I11H15	1894 Sept 6		n.s.
I11476	1894 Sept 21		n.s.
I11505	1894 Sept. 27		n.s.
I11944	1894 Nov. 19		n.s.
I12155	1894 Dec. 29		n.s.
I13H87	1895 Sept. 13		n.s.
I15447	1896 July 11		n.s.
I21463	1898 Oct 20		n.s.
I23107	1899 June 30		n.s.
I23152	1899 July 11		n.s.
I25578	1900 July 19		n.s.
I33579	1905 Oct. 27		n.s.
I33694	1905 Nov. 24		n.s.
I33697	1905 Nov. 25		n.s.
I36279	1909 Oct. 19		n.s.

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1913phae.proj..823F

204104. W Aquarii — Sp. Md 8

Plate	Date	AD	Sp.	Remarks
~~I 23155~~	~~July 12, 1899~~		~~Md 8~~ Hγ, Hδ ~~10, 50~~ 1	
I 2503	Dec. 15, 1890		"	F.
B 10253			"	F.
B 10370				F
B 13874	July 1, 1895			F.
B 14193	" 26 "		"	F.
B 14379	Aug. 16, "		"	F.
B 14692	Sept. 21, "		"	F.
I 16689	Dec. 7, 1896		"	F.
B 22768	May 8, 1899		"	F.
~~I 23155~~	~~July 12, "~~		~~Dneb.~~	
I 27919	Nov 3, 1901		"	F
I 23155	1899 July 12			Too faint

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1013phot.fcat.gz...0225

20402. V Agnarii +1°4359 Sp. Md.

Plate	Date	J D	Sp.	Remarks.
B14203	July 26, 1895	3401.	Mcsd Md	
B10252	1893 Sept. 9	12716		Inb H γ = 2 each.
B10316	1893 Sept. 27	12734		Sp. Mc no br. lines
I13513	1895 Sept. 21	13458		Sp. Mc. no br. lines
I18574	1897 Aug. 20	14157	H δ bright?	Sp. Mc
I32395	1904 Dec. 6	16821		Sp. Mc.
I33453	1905 Oct. 5	17124		Sp. Mc.

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1913phae.proj..823F

204215. ν Capricorni −15°5795 Sp. −

Plate	Date	Δ D	Sp.	Remarks.

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1913phap.proj...823F

204318. ν Delphini $+18^{\circ}\,4\,\frac{6}{1}\,\frac{2}{0}a$ Sp. Md.

Plate	Date	JD	Sp.	Remarks.
				Hγ Hδ
l 2542	Dec. 20, 1890		Md 5	10, 10,
B 1706			"	~~H~~
~~l 4970~~	Dec. 5, 1891		"	~~H~~
l 7542			"	H
l 7580			"	H
l 12994			"	H
l 13085	July 18, 1895		"	H
l 13156	" 31 "		"	H
l 15447	" 11, 1896		"	H
l 18182	June 1, 1897		Md?	P
l 19053	Sept. 28, 1897		"	H
l 23107	June 30, 1899		"	H
l 33579	Oct. 27, 1905		"	H
l 33697	Nov. 25, 1905		"	H
l 4844	Nov. 25, 1891		"	H
l 4686	" 3, 1891		"	H

I 2542 Dec. 20, 1890 11722 $N_\gamma = 10$, $H\delta$ 20 Sp. leo faint. (A.J.C.)

~~I 38948 Jan. 21, 1914 20H58 $H\gamma = 10$ $H\delta = 21$ Sp. = Ma~~

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1913phae.proj..823F

204405. T Aquarii −5° 5390 Sp. Md

240 1096 + 203.3 E. M-m = 88.

Plate	Date	JD	Sp.	Remarks. HB, Hγ, Hδ, Hε, Hζ, Hη
I 16689	Dec. 7, 1896	3901.	Md3	1.0, 0.6, .
I 4867	Nov. 27, 1891	2064.	Md186	1.0, 30 . . .
B 10172	Aug. 17, 1893	2693.	Md83	1.0, 1.0, .
B 21827	July 15, 1898	4486.	Md4	10 08 . . .

I 16689	1896 Dec. 7	13901	.	10, 5 . . .	Sp. not defined (a.j.c) maybe Ma.
I 11416	1894 Sept 6	13078	.	10, 2 . . .	Sp. Ma
B 21827	1898 July 15	14486	.	10, 8 . . .	Sp. Ma
I 4867	1891 Nov. 27	12064	.	10 15	Sp. Mb
B 10172	1893 Aug. 17	12693	.	10 8	Sp. Mb
I 11475	1894 Sept. 21	13093	.		Sp Mc No Hγ lines
B 21827 (long)	1898 July 15	14486	.	10 7	Sp. Ma
I 27919	1901 Nov. 3	16692	.	10 7	Sp. Ma,
B 40609	1907 July 17	17774	.	Hδ highb.	Sp Mc

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1913phae.proj...823F

204763. H Pavonis — Sp. Md.

Plate	Date	JD	Sp.	Remarks. HB, Hγ, Hδ, Hε, Hζ, Hη
B13776	June 15, 1895	3360.	Md 4?	1.0, 1.0,

B 13776	1895	June 15	13360	.	10	15	. . Sp. too faint (a, f.c)
BH2470	1911	July 18	19206	.	10	12	Sp mb
BH5070	1914	Sept. 16	20392	.	10	12 .+11	Sp. mb

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1913phae.proj..823F

204846. R Lacygni +46° 3088 Sp. Rec.

Plate	Date	J D	Sp.	Remarks.
I 14839	April 8, 1896	3608.	Rec.	Image from May 12 Sq.

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1913phae.proj..823F

204954. S Indi. −54° 9772 Sp. Md.

Plate	Date	JD	Sp.	Remarks.
B17390	Sept. 7, 1896	3810.	Md	Hβ, Hγ, Hδ, Hε, H5, H7 1.0, 9.0, ...
B11684	July 25, 1894	3035.	Md8	. 10 80 . . . .
B39458	Aug. 17, 1908	8171.	Mc5d	
B39698	Oct. 15, "	8230.	Md+8	. 10 100 . . . .

B11684	1894	July	25	13035	Very. ft Hδ bright?
B17390	1896	Sept	7	13810	Hδ bright Sp. Mb
B39458	1908	Aug.	17	18171	Sp. Mc Hδ suspected to be bri.
B39662	1908	Sept	20	18205	Sp. Mc Hδ bright
B39698	1908.	Oct.	15	18230	Sp. Mc Hδ bright

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1913phae.proj..823F

205017. X Delphini +17°4452 Sp. Md.

Plate	Date	JD	Sp. Remarks.	
I 13511	Sept. 21, 1895	3458.	Md^6. 10 30 . . .	
			.2.x.	
I 38948	1914 Nov. 21	20458	Hγ=10 Hδ=20	Sp. Ma
I 21463	1898 Oct. 20	14583	10 12	" Mb
I 23107	1899 June 30	14836		" Mc No br. lines
I 23152	1899 July 11	14847		" Mc
I 1621	1890 Aug. 8			N.S.
I 9935	1893 Nov. 18			N.S.
I 11944	1894 Nov. 19			N.S.
~~I 13511~~	~~1895 Sept. 21~~			~~N.S.~~
I 15447	1896 July 11			N.S.
I 25578	1900 July 19			N.S.
I 31928	1904 Aug. 15			N.S.
I 33419	1905 Sept. 28			N.S.
I 33579	1905 Oct. 27			N.S.
I 33694	1905 Nov. 24			N.S.
I 33697	1905 Nov. 25			N.S.
I 36287	1909 Oct. 20			N.S.
I 36836	1910 Sept. 28			N.S.
I 36854	1910 Oct. 1			N.S.
I 37233	1911 July 30			N.S.
I 37256				

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1913phae.proj...023F

205030a UX Cygni +29°4231 Sp. Md.

Plate	Date		Sp.	Remarks. H3, Hγ, Hδ, Hε, H3, Hη
I 32272	Nov. 7, 1904	6792.	Md	
I 35003	" 5, 1907	7885.	Md 4	

I 32272	1904 Nov.	7	16792	. 10, 20 . .	Sp. Mc	(a.j.c.)
I 35003	1907 Nov.	5	17885	. 10 10	Sp Mb	

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1913phae.proj..823F

20562 7. R R Capricorni -27° 15202 Sp. Md 7.

Plate	Date	J D	Sp.	Remarks.
B 24453	Oct. 28, 1899	49506.	Md 7	Hβ, Hδ, Hδ, Hε, Hζ, Hη . 10, 14, . . .
B 24453	1899 Oct. 28	1H956	. 10, 20 . . .	Sp. Mc (a.j.c.)
B 24461	1899 Oct. 31	1H959	. 10 30	Sp. Mb
B 8629				n.s.
B 9899	1893 July 22			n.s.
B 1H581	1895 Sept. 9			n.s.
B 20471	1897 Sept. 20			n.s.
B H0633	1909 July 23			n.s.
B H0637	1909 July 24			n.s.

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1913phae.proj...823F

205782. J Octantis — Sp. Md.

Plate	Date	J D	Sp.	Remarks. H3, H8, H5, H2, H5, H7
B11729	Aug. 2, 1894	~~6695.~~	Md^3	1.0, 0.5, •,
B11729		13043	. 10, 2 . .	Sp. too faint. (A.J.C.)
B10283				n.s.
B19395	1897 June 3			n.s.
B21397	1898 May 14			n.s.
B38142	1907 Sept 11			n.s.
BH2495	1911 July 23			n.s.
BH2833	1911 Nov. 11			n.s.

205833 × Micrurgii

B44063	1909 Nov. 2	18613	H7=10, H5=10	Sp. Ma
~~H729~~				
BH2806	1911 Oct. 24	19334	10 50	Sp. Mb

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1913phae.proj..823F

205923. R Vulpeculae. +23°4230 Sp. Md.

Plate	Date	RD	Sp.	Hs	H8	Remarks.
l 34183	Aug. 17, 1906	7440.	Md4?	10	20	
l 23162	July 13, 1899		Md3?	10	10	
l 21671	Nov. 7, 1898		"			H
l 1316	June 18, 1890		Md?			
l 2176	Nov. 4, 1890		Md4	10,	20	
l 2232	" 10, "		"			H.
l 2249	" 13, "		"			H
l 7352	Oct. 14, 1892		"			P
l 7366	" 19, "		"			H
l 7432	" 30, "		"			H
l 7473	Nov. 6, "		"			H
l 7497	" 11, "		"			P
l 9924	" 16, 1893		"			P
l 11302	July 30, 1894		Md6	10,	50,	

I 11302	1894 July 30	13040	H8 bright		Sp. Ma (A.J.C.)
I 1316	1890 June 18				Too faint.
I 2176					Too faint.
I 11291	1894 July 25	13035	. 10	4	Sp. Mb
I 23162	1899 July 13	14849			Sp. Mc Very faint.

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210000. R Virginis — Sp. —

Plate	Date	Δ D	Sp.	Remarks.
	2			

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210129. J W Cygni — Sp. —

Plate	Date	JD	Sp.	Remarks

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1913phae.proj..823F

210124. δ Capricorni -24° 16479 Sp. Md.

Plate	Date	JD	Sp.	Remarks. H3, H8, H8, He, H5, Hη
B20258	Sept. 3, 1897	41711.	Md 4	1.0, 1.0, .
B13840	June 27, 1895	33722.	Md	

B13840	1895	June 29	13372	. 10, 10 . .	Sp. mb (a.fc.)
B12289	1894	Oct. 1	13103	. 10 8	Sp. to fr.
B20471	1897	Sept 20	14188		Sp. mb. faint.
B6557					n.s.
B10270					n.s.
B14685	1895	Sept. 20			n.s.
B14873	1895	Oct. 16			n.s.
B24453	1899	Oct. 28			n.s.
B38117	1907	Sept. 3			n.s.
B39402	1908	Aug. 1			n.s.

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210221 X Capricorni -21° 5934 Sp. –

Plate	Date	ΔD	Sp.	Remarks

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1913phae.proj..823F

210382. X leeshei — Sp. Md?

Plate	Date	JD	Sp.	Remarks.
I33363	Sept. 22, 1905	7111.	Md?	Hδ, Hγ, Hδ, Hε, HS, Hη
I33363		17111	H δ bright	Sp. too faint (a.j.c.)

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210516. Z Capricorni -16°5811 Sp. -

Plate	Date	JD	Sp.	Remarks. Hβ, Hγ, Hδ, Hε, Hζ, Hη

210415 SZ - Pegasi

I 37256	1911, Aug. 22	19271	. 10, 6 . . .	Sp. mb (a.j.c.)
I 36287	1909 Oct. 20	18600	Hγ bright	Sp. too poor.
I 25587	1900 July 24			n.S.
I 26019	1900 Nov. 10			n.S.
I 31928	1904 Aug. 15			n.S.
~~I 33647~~	~~1905 Nov. 25~~			~~n.S.~~
I 34174	1906 Aug. 15			n.S.
I 36836	1910 Sept. 28			n.S.
I 36854	1910 Oct. 1			n.S.
I 37231	1911 July 26			n.S.
I 37233	1911 July 30			n.S.
I 37256	1911 Aug. 22			n.S.
I 38174	1912 Dec. 3			n.S.

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1913phae.proj..823F

210504. R S Aquarii -4° 5381 Sp.-

Plate	Date	J D	Sp.	Remarks.

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210753 W Indi — Sp. Md

Plate	Date	JD	Sp.	Remarks.
B 39382	July 28, 1908	8151.	Md^6 · 10 50	

B 39382	1908 July 28	18151				Sp. Mc (a.y.c.)
B 39862	Sept. 20, 1908	18205				

210868 T Leophei (Cont.) .1.50.

C 2775	1890 June 25	11544		10	50 . 3	Sp. Mc.
C 2784	1890 June 30	11549			Hδ bright	Sp. Mc
I 14273	1896 Jan. 11	13570				Sp. Mc No br. lines
I 23697	1899 Sept. 30	14958			Hδ bright	Sp. Mc Hδ = 1.5 Cont.
I 32597	1905 Feb 4	16881			Hδ bright	Sp. fr except for bet 4227 + Hε Same as I 23697
I 33161	1905 July 5	17032				Sp. Mc No br. lines
I 35480	1908 July 29	18152		10	20	Sp. Mc Very fr. Br. lines barely seen
I 35541	1908 Sept. 30	18215				Sp. Mc No br. lines
I 36166	1909 Aug. 22	18541		10	30	Sp. Mc
I 36199	1909 Sept. 17	18567			Hδ bright barely seen	Sp. Mc.
I 36281	1909 Oct. 19	18599				Sp. Mc No br. lines
I 36726	1910 June 2	18825			Hδ bright	Sp. Mc
I 36886	1910 Oct. 11	18956				Sp. Mc No br. lines
I 37254	1911 Aug 21	19270			Hδ bright	Sp. Mc
I 37291	1911 Sept. 26	19306		10	25	Sp. Mc
I 37400	1911 Dec. 13	19384				Sp. Mc No br. lines
I 38539	1913 Aug. 30	20010			Hδ bright	Sp. Mc
I 38544	1913 Sept 3	20014			Hδ bright	Sp. Mc
I 38562	1913 Sept. 23	20034		10	30 . 2	Sp. Mc
I 38573	1913 Sept. 29	20040		10	30 . 3 1	Sp. Mc.

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1913phae.proj..823F

210868 Tleephei +67° 1291 Sp. Md.
5.1–10.5 Per. 387

Plate	Date	JD	Sp.	Remarks. Hδ, Hγ, Hδ, Hε, Hδ, Hζ
I 11747	Oct. 19, 1894	3121.	Md 9	1.0, 5.0, ·
I 13812	Nov. 11, 1895	3509.	Md 9	1.0, 5.0, · 0.5, 0.3
I 1269	June 8, 1890	1527.	Md 7	1.0, 5.0, ·
I 1228	May 27, 1890	1515.	Md 7	1.0, 7.0, ·
I 11777	Oct. 27, 1894	3129.	Md 9	1.0, 5.0, ·
I 11945	Nov. 19, 1894	3152.	Md 9	1.0, 5.0, ·
I 13845	" 21, 1895	3519.	Md 9	1.0, 7.0, ·
I 36281	~~June 24, 1908~~ ??	7021.	Md 9	
I 37291	Sept. 26, 1911		Md	Hγ + Hδ h.
I 37408	Dec. 13, 1911		Mc	Hγ br. lines 4227 strong. Brightest portion of spectrum bet. 4227 and Hε.

I 38514	July 12, 1913	19961	Md	Hγ n.s. Hδ bright, Hε? Cont. sp. brightest bet. Hδ and Hε
I 38532	Aug. 12, 1913	19992	Md.	About the same as on July 12, 1913.
I 38544	~~Sept. 3~~ Sept. 21, 1913	20014	Md.	Better sp. than on I 38514, but apparently the same
I 38562	Sept. 23, 1913	20034	Md.	Hγ = 10, Hδ = 6.0, Hε = 1. Stars much brighter than on I 38514, and whole cont. spectrum much stronger, especially between Hβ and Hδ.

I 1269	1890 June 8	11527			Hδ + Hε bright	Sp. Mc
I 1228	1890 May 27	11515			Hδ bright	Sp. Mc
I 11553	1894 Oct. 7	13109	. 10	60 . 5	3.1	Sp. Mc 4227 strong
I 11747	1894 Oct. 19	13121	. 10	70		Sp. Mc
I 11777	1894 Oct. 27	13129	. 10	60		Sp. Mc
I 11945	1894 Nov. 19	13152				Sp. Mc No br. lines bet. bet. δ + ε
I 12003	1894 Dec. 3	13166				Sp. Mc No br. lines
I 12115	1894 Dec. 19	13182				Sp. Mc " " "
I 13812	1895 Nov. 11	13509	. 10	60		Sp. Mc
I 13845	1895 Nov. 21	13519	. 10	70		Sp. Mc.

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1913phae.proj..823F

210812. R Reginulei. +12°5159 Sp. Md.

Plate	Date	J.D.	Sp. Remarks.
I 33571	Oct. 26, 1905	7145.	Md 5- H(3), Hγ, H8, H2, H5, H7
I 33571	1905 Oct. 26	17145	. 10, 7 . . . Sp. Ma (a.f.c.)
I 36836	1910 Sept. 28	18943	. 10. 7 Sp. Ma
I 36854	1910 Oct. 1	18946	. 10 7 Sp. Ma.
I 37233	1911 July 30	19248	Hγ bright . Sp. too poor.
I 37256	1911 Aug. 22	19271	Too poor

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1913phee.proj...023F

210903. R R Aquarii -3° 5159 Sp. Md.

Plate	Date	JD	Sp.	Remarks
I33578	Oct. 27, 1905		~~Md 3 Hβ Hδ~~, Hε, Hζ, Hη	
			~~2.10903~~ .10 05	
B14658	Sept. 17, 1895		"	F.
B16849	July 14, 1896		"	F
B22768	May 8, 1899		"	P
B23435	July 12, "		"	F
B23483	July 15 "		"	F
B23752	Aug. 1, "		"	F

I33420	1905 Sept. 28	17117	.10, 10	~~Sp to ft.~~ (a.j.c.)
B14658	1895 Sept 17			n.s.
B16849	1896 July 14			n.s.
I23155	1899 July 12			n.s.
I27791	1901 Oct. 16			n.s.
I33578	1905 Oct. 27			~~n.s.~~ Too faint.
I36820	1910 Sept 10			n.s.
BH2055	1910 Oct 20			n.s.

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1913phae.proj..823F

211614. X Pegasi +13° 4676 Sp. Ma

Plate	Date	D	Sp. Ma	Remarks.

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1913phae.proj...823F

21615 θ Capricorni $-15^{\circ}5960$. Sp. Md.

Plate	Date	J D	Sp. Remarks
B 14376	Aug. 15, 1895	~~3421.~~ 6	Md5 · 1.0, 1.3, -, H3, Hδ, H5, Hε, H8, H7
B 40621	July 20, 1909	8508.	Md8?
B 39392	" 30, 1908	8103.	Mc5d

B 14376	1896	Aug. 15	13787	· 10, 15 · · · Sp. Ma (a.J.C.)	
B 45084	1914	Sept. 18	20394	Br. γ and δ suspected	
B 10165	1893	Aug. 16			n.s.
B 11481	1894	June 28			n.s.
B 14173	1895	July 19			n.s.
B 14580	1895 6	Sept. 9			n.s.
B 39392	1908	July 30			n.s.
B 39705	1908	Oct. 26			n.s.
B 45331	1915	July 21			n.s.
B 40621	1909	July 20			n.s.

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1913phae.proj..823F

211642. W Microscopii -42° 15413 Sp. Md.

Plate	Date	JD	Sp.	Remarks.
B 39361	July 25, 1908	8148.	Rad 4 · 10 15	H3, H8, H8, He, H3, Hn
B 3443	"			P
B 3935				H
B 5207	May 15, 1890			A
B 6641				F
B 11692	July 26, 1894			F
B 14363	Aug. 13, 1895			A
B 17098	" 12, 1896			H
B 20482	Sept. 21, 1897			F
B 20493	Sept. 22, 1897			H
B 36991	" 18, 1905			H
B 37131	Oct. 26, "			H
B 39472	Aug. 21, 1908			F
B 41613	July 13, 1910			A
B 41763	Aug. 6, "			P
				F
B 39361	July 25, 1908	8148	· 10, 10 . . .	Sp. ~~100~~ ft. (A.J.C.)

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1913phee.proj...823F

211741. δ Microscopii — Sp. Md.

Plate	Date	J D	Sp.	Remarks
~~B20258~~	~~Sept. 3, 1897~~	~~4171.~~	~~Md5 · 1.0, 1.0, ·~~	~~Hδ, Hε, Hζ, Hη~~ mong. region
~~B12682~~	~~Nov. 30, 1894~~	~~3163.~~	~~Md7 1.0, 2.5, ·~~	mong. region
A 6481	July 31, 1903	6327.	Md	

A6481	1903 July 31	16327	Hδ very bright	Sp. Mb (a.J.C.)
B40903	1909 Oct. 8	18588	Hδ bright	Sp. Iov fr.
B6641				n.s.
B11692	1894 July 26			n.s.
B17098	1896 Aug. 12			n.s.
B20493	1897 Sept 22			n.s.
B20156	1897 Aug 25			n.s.
B39472	1908 Aug. 21			n.s.
BH0870	1909 Sept 21			n.s.
BH1077	1909 Nov. 6			n.s.

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1913phae.proj..823F

212030. S Microscopii −30° 18609 Sp. Md4

Plate	Date	JD	Sp. Remarks. H3, Hδ, Hδ, Hε, Hζ, Hη
B20258	Sept. 3, 1897	41171.	Md4 1.0, 0.4
B40742	Aug. 20, 1909	85539.	Md4
B40749	" 22, "	85541.	Md4

B40742	1909 Aug. 20	18539	Hγ=10, Hδ=9	Sp. Man
B20258	1897 Sept. 3	14171	10 6	Sp. Too poor.
B20398	1897 Sept. 16	14184	. 10 8 ..	Mb. Ft. fm Hδ
H07749	1909 Aug. 22	18541	. 10 7	Sp. Too poor. Br. Velocity B7 z.

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212354. X Indi. — Sp. Md.

Plate	Date	JD	Sp. Remarks.
B39382	July 28, 1908	8151.	Ind⁴
B6997			Too faint.
B39325	1908 July 9	18132 .	. 10 10.21 Sp. Ma
B39382	1908 July 28	18151	. 10 20. Sp. Mb
BH1053	1909 Nov. 1	18612	. 10 8 Sp. Mb

1913phae.proj...823F

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1913phae.proj..823F

212814. γ Capricorni — Sp. —

Plate	Date	JD	Sp.	Remarks.

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1913phae.proj...823F

213678. Sleefshei ~~+78° 0'~~ +77 827 Sp. –

Plate	Date	ΔD	Sp.	Remarks.

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1913phae.proj..823F

213753. F Indi — Sp. Md.

Plate	Date	J D	Sp.	Remarks.
B 39669	Sept. 22, 1908	8207.1	Md⁸	
B39669	1908 Sept. 22	18210		
				1F10, 1F40 Sp. line
B39325	1908 July 9	18132		4F bright line 4202 = 0.8 Hβ
B9893				N.S.
B10274				N.S.
B11693	1894 July 26			N.S.
B14389	1895 Aug. 17			N.S.
B14411	1895 Aug. 20			N.S.
B41053	1909 Nov. 1			N.S.

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1913phae.proj...823F

213753. R Ursæ Majoris +53°2684 Sp. Md?

Plate	Date	J.D.	Sp. Remarks.
I R35777	Apr. 7, 1905	6943.	Md?
I 35786	Dec. 28, 1908	8304.	Mcod
I 35777			mc (a.f.c)
I 35786			mc "

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1913phae.proj..823F

? 213843. S Sleggni +42° 4189a Sp A.
2416000 +103.6

Plate	Date	JD		Sp.	Remarks.	
l 32244	Oct. 29, 1904	6783	65x 103.6 6734.0	..	Steel edge. P	+49.0
l 33167	July 7, 1905	7034	67x 6941.2	..	Plate Poor. P	+9.28
l 33278	Aug. 23, 1905	7081	68x 7044.8 ~~6944.8~~	..	H	+36.2
l 33688	Nov. 23, "	7173	69x 7148.4 7044.8	Rec.		+24.6
l 34167	Aug. 14, 1906	7437	71x 7355.6	"	PH	+81.4
l 34169	" 14, "	7437	7355.6	"	H	+81.4
l 34206	" 24, "	7447	7355.6	Rec.	Sp. hazy.	+91.4
l 34213	" 28, "	7451	7355.6	Resembles Class K		+95.4
l 34218	" 31 "	7454	7355.6	Rec. H. Lines of Iron prs. Not identd. Has appearance of class sp. superposed.		+98.4

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1913phae.proj...823F

214024. R R Pegasi +24°4462 Sp. Md.

Plate	Date	JD	Sp.	Remarks.
~~I 35085~~	~~Dec. 31, 1907~~		~~Md 4 . . 10 10~~	~~Hβ, Hγ, Hδ, He, Hε, Hζ~~
I 23009	June 8, 1899		"	H
I 32366	1904 Nov. 28	16813	. 10, 10 . .	Sp. mb (a.f.c.)
I 32238	1904 Oct. 27	16781		Sp. mb fours very poor
I 35085	1907 Dec. 31			
I 32207	1904 Oct. 17			n. s.
I 33647	1905 Nov. 18			n. s.
I 35081	1907 Dec. 27			n. s.

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1913phae.proj..823F

214012. – Pegasi +12° 4678 Sp. –

Plate	Date	J D	Sp.	Remarks.

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1913phae.proj..823F

214247. R Geminis — Sp. Md.

Plate	Date	JD	Sp.	Remarks
B14364	Aug. 13, 1895	3419.	Md	6 Hβ, Hγ, Hδ, Hε, Hζ, Hη
B12050	Aug. 31, 1894	3072.	Md	1.0, 1.2, . . .
B19399	June 4, 1897	4080.	Md	

B 19399	1897 June 4	14080	.	10, 50 . . .	Sp mb (a, f.c.)
B 12050	1894 Aug. 31	13072	.	10 12	Sp. mc.
B 14364	1895 Aug. 13	13419	.	10 20	Sp. mc
B 39377	1908 July 27	18150	.	=	Sp. ma no b. lines
B #2797	1911 Oct. 20	19330	.	10 40	Sp mb

B 39377 Star seems as bright as on B 14364, but ~~not~~ no bright lines are present.

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1913phae.proj..823F

214505. — Aquarii — 5° 5649 Sp. —

Plate	Date	ΔD	Sp.	Remarks

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1913phae.proj..823F

215605. ν Pegasi +5° 4928 Sp. Md

Plate	Date	JD	Sp. Remarks. Hβ, Hγ, Hδ, Hε, Hζ, Hη.
B13512	June 1, 1895	3346.	Md4 · 1.0, 0.9, · 0.1,
B 13512	1895 June 1	13346	· 10, 6 · 1 · Sp. mb (a.f.c.)
I29575	1902 Nov. 25		· Too faint.
I31026	1903 Oct. 21	16409	· 10 10 mb

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1913phae.proj..823F

215717. H Aquarii −17° 6424 Sp. −

Plate	Date	JD	Sp.	Remarks.

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1913phae.proj..823F

215828. S Pisces Anst. -28° 17574 Sp. Md.

Plate	Date	JD	Sp.	Remarks. HB, Hδ, Hδ, Hε, Hζ, H7
B17059	Aug. 5, 1896.	3777.	Md4	1.0, 0.9, .
B23813	1899 Aug. 11	14878	1f γ10, 1f δ10	Sp. Mb
B17059	1896 Aug. 5	13777	10 8	mb
B42514	1911 July 29	19247	10 12	mb
B42515	1911 July 29	19247		Too faint.

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1913phae.proj..823F

215875. ♀ Catania Sp. Mod.

Plate	Date	Δ δ	Sp. Remarks.
B 38226	Oct. 4, 1907	7853.	Mod ?. Hδ, Hγ, Hδ, Hε, Hδ, Hη
B 38226	1907 Oct. 4	17853	.110; .70 . . . Sp. ma a f. c.
B 38113	1907 Sept. 1	17820	Sp. Mc Very ft.

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1913phae.proj..823F

215934. R J Pegasi — Sp. Md?

Plate	Date	J D	Sp.	Remarks.
Q33548	Oct. 21, 1905	7140.	Md?	Image very ft. & thin.
I33548	1905 Oct. 21	17140		H S bright, other portions too faint (a.j.c.)
I2~~4~~3~~4~~3	1890 Nov. 22			N.S.
I2373	1890 Nov. 28			"
I2434	1890 Dec. 7			"
I27942	1901 Nov. 9			"
I32243	1904 Oct. 29			"
I32361	1904 Nov. 26			"
I32367	1904 Nov. 28			"
I32484	1905 Jan 7			"
I33154	1905 June 30			"
I33237	1905 Aug. 2			"
I33268	1905 Aug. 21			"
I33699	1905 Nov. 25			"
I33776	1905 Dec. 27			"
I33777	1905 Dec. 27			"
I34653	1907 April 17			"
I34806	1907 Aug. 10			"
I36318	1909 Nov. 15			"

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1913phae.proj..823F

220133b RZ Pegasi — Sp. Md.

Plate	Date	JD	Sp.	Remarks
			Md2✓	Hβ Hγ Hδ, Hε, Hζ, Hη 10 10
l 33776	Dec. 27, 1905			
l 2434	Dec. 7, 1890		"	H
l 9660	Oct. 12, 1893		"	H
l 2373	Nov. 28, 1890		"	H
l 19582	" 14, 1897		"	H
l 33548	Oct. 21, 1905		"	H
l 33699	Nov. 25, 1905		Md2✓	
l 36318	Nov. 15, 1909		"	H
l 33777	Dec. 27, 1905		"	P

I 33699 1905 Nov. 25 17175 1.5, 10 . . . Sp Pec. Spectrum triplet between Hγ, other portions faint and apparently continuous. (A. J. C.)

I 33776 1905 Dec. 27 17207 . Hγ bright Sp. Nov Sp.

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1913phae.proj...823f

220337. Gr Lacertae — — Sp. —

Plate	Date	JD	Sp.	Remarks.

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1913phae.proj..823F

220412. ι Pegasi $+11^\circ 4738$ Sp. Md.

Plate	Date	J.D.	Sp.	Remarks.
I 33572	Oct. 26, 1905	7145.	Md 9.	$H\zeta$. $H\gamma$. $H\delta$, $H\varepsilon$, $H\vartheta$, $H\eta$
I 33572		17145	H δ bright	Sp. Mc (a. f. c.)
I 33700	1905 Nov. 25	17175	H δ bright	Sp. Mc
I 33781	1905 Dec. 28	17208	H ε bright	Sp. Very fr.

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1913phae.proj...823F

220613. γ Pegasi +13° 4864a Sp. Md6.

Plate	Date	JD	Sp.	Remarks.
I33641	Stos. 14/1905	7164.	Md6	Hβ, Hγ, Hδ Hε, Hζ Hη 10, 60, . . .
I33641		17164		Hγ very bright Sp. Mc (a.j.c.)
I6670	1892 July 6			n.s.
I18251	1897 June 21			n.s.
I33364	1905 Sept. 22			n.s.
I33572	1905 Oct. 26			n.s.
I34913	1907 Oct 5			n.s.
I34923	1907 Oct. 9			n.s.
I35425	1908 July 30			n.s.

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1913phae.proj..823F

220714. R S Pegasi — Sp. Md.

Plate	Date	J.D.	Sp.	Remarks.
I 33364	Sept. 22, 1905	7111.	Md^8	
I 33572	Oct. 26, 1905	7145.	Md^9	
I 33641	Nov. 14, 1905	7164.	Md^8	
I 33700	" 25, "	7175.	Md^8	

I 33364	1905 Sept.	22	17111	Hδ bright		Sp. Mc (a.j.c.)
I 33572	1905 Oct.	26	17145	.10	70	Sp. Mb? Very fr.
I 33641	1905 Nov.	14	17164	.10	70	Sp. Mc.
I 33700	1905 Nov.	25	17175	.10	15	Sp. Mc.

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1913phae.proj..823F

220912. R U Pegasi – Sp. –

Plate	Date	Jd	Sp.	Remarks.

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1913phae.proj..823F

221230. R Pisces Aust. −30° 19092 Sp. Md.

Plate	Date	JD	Sp.	Remarks
~~B8778~~	~~Oct. 6, 1892~~	2578.	~~Md~~	~~4 H3, H8, H5, Hε, H5, H~~ ~~1.0, 1.0,~~ wrong region
~~B8711~~	" "	"	~~Md~~	"
				and Chart plates
				(a. g. c.)
B8757	1892 Oct. 8	12380	. 10, 10 . . .	Sp. too ft. prob. Ma
I18613	1897 Aug. 31	14168		Sp. Mb. Very low focus.

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1913phae.proj..823F

221321 X Aquarii — Sp. Md.

Plate	Date	JD	Sp.	Remarks HS, Hδ, Hδ, Hε, Hδ, Hη
B13841	June 27, 1895	3372.	Md4	1.0, 1.0, ·, ·, ·
B13832	" 26, "	3371.	Md4	1.0, 1.0, ·,
B13856	" 29, "	3374.	Md5	1.0, 1.0, ·,
B11794	Aug. 10, 1894	3051.	Md4	1.0, 1.0, ·,

B13856	1895 June 27	13372		. 10, 9 . . .	Sp. mb (a f.c.)
B11794	1894 Aug. 10	13051		. 10 10	Sp. mb
B13832	1895 June 26	13371		. 10 10	Sp. ma
B13841	1895 June 27	13372		. 10 9	Sp. ma
~~B39413~~	~~1908 Aug. 3~~				n.s.
~~B40869~~	~~1909 Sept. 20~~				n.s.

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1913phae.proj..823F

221722. R J Aquarii -22° 5901 Sp. Md?

Plate	Date	J D	Sp. Remarks.
B 23121	June 19, 1899	4825.	Md?
B 23121	1899 June 19	14825	H δ h. Hyn. S. Sp Mc
B H 39588	1908 Sept. 13	18198	Sp. Mc
B H 0625	1909 July 21	18509	Sp. Mc.
B H 5145	1914 Nov. 9	20446	. 10 40 Sp. Mc.

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1913phae.proj..023F

221938. T Gruis −38° 15044 Sp. Md.

Plate	Date	J D	Sp. Remarks, Hβ, Hγ, Hδ, Hε, Hζ, Hη
B13855	June 29, 1895	3374.	Md[3] · 1.0, 0.6, ·
B13855		13374	· 10, 4 · · · Sp. nearer K5 than Ma (a.J.C.)
B3964q	1908 Sept. 16	18201	~~See 11h~~ Sp. K5

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1913phae.proj..823F

221948. δ Geminis — Sp. Md.

Plate	Date	JD	Sp. Remarks. Hβ, Hγ, Hδ, Hε, Hζ Hη Hθ Hι
B19922	July 24, 1897	14130.	Md7 1.0, 5.0, · 0.2, 0.1, 0.1, 0.1,
B20454	Sept. 18, 1897	14186.	Md9 1.0, 5.0, · 1.0, 0.5,
B14364	Aug. 13, 1895	13419.	Md9 1.0, 9.0, ·
B19941	July 29, 1897	14135.	Md10 10 100 · · ·
B39373	July 26, 1908	18149.	Md6 10 100 · ·
B41857	Aug. 31, 1910	18915.	Md~~7~~ 10 100 · ·
B41794	" 14, 1910	18898,	Md~~6~~ · 10 80 · · ·

B41899	1910 Sept. 11	18926	Hγ 10, Hδ 80, Hζ 1	Sp. Mb.
B6664	1891 Aug. 8	11922		N.S.
B12261	1894 Sept. 26	13098		N.S.
B14364	1895 Aug. 13	13419	Hδ bright	Sp. Mc. Very ft except bet min #237 and Hε
B19922	1897 July 24	14130	. 10 40 . 3 2 1 1	Sp. Mb #227 very ft
B19941	1897 July 29	14135	. 10 40	Sp. too poor focus
~~B20519~~	~~1897 Oct. 1~~			
B41857 long	1910 Aug. 31	18915	. 10 60 . 2	Sp. Mb.
B41794 long	1910 Aug. 14	18898	. 10 70	Sp Mb
B39373	1908 July 26	18149	. 10 50 . 4 2	Sp Mb
B~~42831~~ 20454	1897 Sept. 18	14186	. 10 40 . 8 3	Sp Mc
B41974 long	1910 Sept. 28	18943	.10 Hδ ~~bright~~ 80	Sp. Mb
B42790 long	1911 Oct. 18	19328	. 10 90 . 8	Sp Mb
B42831	1911 Nov. 10	19351	. 10 60 . 3	Sp. Mb #227 strong.
~~B45071~~	~~1914 Sept. 16~~			N.S.

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1913phae.proj..823F

222129. R Pegasi — Sp. Md.

Plate	Date		Sp.	Remarks.
I 32138	Oct. 6, 1904		Mdg.	Hβ, Hγ, Hδ, Hε, Hζ, H η 10, 60,
B 1805			..	H.
B 3288			..	H.
I 9882			..	H.
I 9630			..	H.
I 32312	Nov. 12, 1904		..	H.

I 32138	1904 Oct. 6	16760	. 10, 15 . .	Sp. Mc (a.f.c)
I 21178	1898 Sept. 13			n.s.
I 32312	1904 Nov. 12			"
I 32361	1904 Nov. 26			"
I 32367	1904 Nov. 28			"
I 32484	1905 Jan. 7			"
I 33237	1905 Aug. 2			"
I 33268	1905 Aug. 21			"
I 33548	1905 Oct. 21			"
I 33777	1905 Dec. 27			"
I 36910	1910 Oct. 29			"

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1913phae.proj..823F

222439. S Lacertae +39°4851 Sp. Md.

Plate	Date	J.D.	Sp. Remarks H3, H8, H8, H ε, H δ, H η
I 3802	July 6, 1891	1920.	Md^6 . 1.0, 20, ...
I 35031	Nov. 30, 1907	7910.	Md^9 . . 10 90 . . . .
I 36257	Oct. 13, 1909		Md^6

I 3802	1891 July 6	11920	.	10	12	Sp Mb-
I 17181	1897 Jan. 23					N.S.
I 31279	1903 Dec. 15	16464	.	10	2	Sp. Mb-
I 35031	1907 Nov. 30	17910	.	10	50	Sp. Mc
I 36257	1909 Oct. 13	18593	.	10	30.2	Sp. Mc
Me 16336	1919 Oct. 22	22252	.	10	9	Sp. Mc

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1913phae.proj...823F

222867. R Indi. — Sp. Md6.

Plate	Date	J.D.	Sp.	Remarks.
A 6959	Sept. 14, 1904	6738.	Md4	10, 50. H3, H8, H8, H2 H8 H∞
B 14375	Aug. 15, 1896	3787.	Md6	10, 70,

A 6959	1904	Sept.	14	16738	10, 40	Sp. Ma (a.f.c.)
B 1H 37.5	1896	Aug.	15	13787	10 12	Sp. Ma
B 38102	1907	Aug.	30	17818	10 8	Sp. Too faint for focus.
B 38149	1907	Sept.	15	17834		Too faint.

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222924. S Pegasi — Sp. Md8.

Plate	Date	J D	Sp. Md8	Remarks. Hβ, Hδ, Hθ, Hε, Hζ, Hη 10, 100, . . .
I 32312	Nov. 12, 1904	6797.		
I 32312		16797	. 10, 60 . .	Sp. Mc (a.f.c)
I 32138	1904 Oct. 6	16760		Sp. Mc.

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1913phae.proj...823F

223462. T Tucanae −62°6358 Sp. Md5.

Plate	Date	JD	Sp. Remarks.
B41091	Nov. 19, 1909	8630.	Md5 − Hβ, Hγ, Hδ, Hε, Hζ, Hη
B41091		18630	. 10, 8 . . . Sp Ma (a.f.c.)
B6817			n.s.
B8318			"
B11549	1894 July 10		"
B11775	1894 Aug. 8		"
BH2471	1911 July 18		"

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1913phae.proj..823F

223841. R Lacertae +41° 4589 Sf. Md.

Plate	Date	JD	Sf.	Remarks
l 11303			Md 6. 10, 10, . .	P. Hα Hβ, H8, He, H8 Hη
B 3202			"	H.
B 3275			"	H
B 3285			"	H
l 11418	Sept. 6, 1894		"	P
l 19359	Oct. 25, 1897		"	H
l 23970	Nov. 4, 1899		"	H
l 32313	Nov. 12, 1904		"	H
l 34367	Nov. 14, 1906		Md 7 10, 70,	
I 3802				N. S.
I 34367	1906 Nov. 14	17529	. 10, 30 . . .	Sf. Mb (a.j.c)
I 17181	1897 Jan. 23	13948	. 10 40	Sf Mb
I 31279				N. S.
I 35031				N.S.
I 11303				Too faint.

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1913phae.proj..823F

225120. S Aquarii −21°6330 Sp. Md.

Plate	Date	JD	Sp. Remarks. H3, H8, H8, Hε, H8, H7
I 7579	Nov. 23, 1892	2426.	Md6 1.0, 1.2, . . .
B 17400	Sept. 9, 1896	3812.	Md4 1.0, 1.0, .
I 7573	Nov. 22, 1892	2425.	Md[X7] 1.0, 4.0, .

B 17400	1896 Sept. 9	13812	. 10 . 9 . . .	Sp. Ma (a.f.c.)
I 7573	1892 Nov. 22	12425	. 10 12	Sp. Mc
I 7579	1892 Nov. 23	12426	. 10 12	Sp. Mb
B 10397	1893 Oct. 9	12746	. 10 8	Sp. too ft.
B 24338	1899 Oct. 11	14939	. 10 10	Sp. Mb: e

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1913phae.proj..823F

225442. SZ Androm. — Sp. —

Plate	Date	AD.	Sp.	Remarks

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1913phae.proj..823F

225914. R W Pegasi ~~+14° 4925?~~ Sp. Md5.

Plate	Date	JD	Sp.	Remarks. H3, H8, H8, H8, H8, Hn
I 31924	Aug. 11, 1904	16704.	Md5	10, 10, . . .
I 31924		16704		. 10, 8 . . . (a. f.c.) Sp. very ft., perhaps Ma
I 27502	1901 Sept. 19	15647		- 10 6 Sp. not defined Brighter K - Band ;
I 36928	1910 Nov. 7	18983		. 10 6 Sp. not defined May resemble R Androm.
I 38178	1912 Dec. 6	19743		N. S.

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1913phae.proj..823F

230110. R Pegasi +9° 5158 Sp. Md.

Plate	Date	J D	Sp.	Remarks (Hβ, Hδ, Hδ, Hε, Hδ, Hη)
l 11304	July 30, 1894	3040.	Md 7	. 1.0, 1.4, -
B 14198	July 25, 1895	3400.	Md 9	. 10 100 . . .
l 31064	Oct. 26, 1903	6414.	Md 10	. 10 100 . . .
l 34275	Sept. 25, 1906	7479.	Md 7	. 10 100 . . .
l 34982	Oct. 31, 1907	7880.	Md 10	. 10 100 . . .
l 36260	" 15, 1909		Md 10 . .	
I 11304	1894 July 30	13040		: 10 . 15 Sp. Mc.
B 14198	1895 July 25	13400		. Hδ very bright Sp. barely seen
I 21225	1898 Sept. 20	14553		Hδ bright Sp. faint.
I 33274	1905 Aug. 22	17080		Hδ bright Sp. Mc. 4227 strong.
I 34275	1906 Sept. 25	17479		. 10 59 . 6 2 Sp. Mc.
I 34982	1907 Oct. 31	17880		Hδ bright Sp. Mc.
I 36260	1909 Oct. 15	18595		. 10 70 . Sp. Mc.
	230752	SS Andromedae		+52 3386
I 31046			Mc	(a.y.c.)
I 31064	1903 Oct. 26	16414		. Hδ bright Sp. Mc

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1913phae.proj..823F

230759. Cassiop. +58°2566 Sp. Md.

Plate	Date	J D	Sp.	Remarks. H3, H8, H5, He, H5, Hη
l 13696	Oct. 14, 1895	3481.	Md^7	1.0, 5.0, ·
l 13534	Sept. 24, "	3461.	Md^7	1.0, 5.0, ·
l 13843	Nov. 21, "	3519.	Md^6	1.0, 3.0, ·
l 13697	Oct. 14, "	3481.	Md	
l 17182	Jan. 23, 1897	3948.	Md	
l 33410	Sept. 27, 1905	7116.	Md	
l 33708	Nov. 27, "	7177.	Md^8	

I 33708	1905 Nov	27	17177	· 10, 50	· · Sp. mc. (a.f.c.)
I 13534	1895 Sept.	24	13461	· 10 60	Sp. mc.
I 13696	1895 Oct.	14	13481	· 10 60	Sp. mc.
I 13697	1895 Oct.	14	13481	· 10 25	Sp. mb
I 13843	1895 Nov.	21	13519	· 10 30	Sp. mc
I 17182	1897 Jan	23	13948	· 10 25	Sp. mc
I 33410	1905 Sept	27	17116	H δ bright	Sp. mc Very ft except near Hδ Sp. mc. No br. lines H227 strong. This line is not seen or very ft when the br. lines are present.
I 34820	1907 Aug.	14	17802		

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1913phae.proj..823F

231040. TY Androm. +40° 5026 Sp. Md.

Plate	Date	AD	Sp. Remarks.	
I 33791	Jan. 12, 1906	7223.	Md^6 :: 10 30	
I 33791	1906 Jan. 12	17223	H δ bright	Sp. Mc H δ no brighter than other portions of Sp. (a.J.C.)
I 19098	1897 Sept. 30	14198	H δ bright very ff.	Sp. Mc. ~~very ff.~~
I 23359	1899 Aug. 16	14883		Sp. Mc.

231110 — Pegasi +9° 5191. Sp. Md

H3, Hγ, H8,

I 34275	Sept. 6, 1906	Md6 :: 10 100	
I 2250	Nov. 13, 1890	Mc	
I 5262	Dec. 19, 1891	Mcsd	
I 5281	" 28, "	Mc	
B 6478	July 3, 1891	"	P
B 6481	" 6, "	Mc	
B 8591			F
B 14198	July 25, 1895	Md8 :: 10 50	
I 27502	Sept. 19, 1901	Mc?	P
I 31064	Oct. 26, 1903	Mc	
I 34275	1906 Sept. 25	17479	Mc (a.J.C.)
I 38101	1912 Nov. 2	19709	mb
B 14198	1895 July 25	13400	Mc 4202 br.

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1913phae.proj...823F

231425. Nr Pegasi +25° 4919a Sp. Md.

Plate	Date	J.D.	Sp.	Remarks & Hβ. Hγ. Hδ. Hε. Hξ. Hη
I 35762	Dec. 23, 1908	8299.	Md	

I 35762	1908 Dec.	23	18299	. 10,80 . . .	Sp. Mc	(a.f.c.)
I 7620	1892 Dec.	5	12438	. 10 70	Sp Mc.	
I 19266	1897 Oct.	15	1H213	. 10 60	Sp. Mc.	
I 23138 (good)	1899 July	9	1H845	. 10 70	Sp. Mc.	
I 36314	1909 Nov.	11	18622	. 10 60	Sp. Mc	
I 36316	1909 Nov.	15	18626	. 10 80	Sp. Mc.	
I 36363	1909 Dec.	8	18649	. 10 90	Sp. Mc	
I 36911	1910 Oct.	29	18974	. 10 60	Sp. Mc Very ft.	

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1913phae.proj..823F

231508. S Pegasi +8° 5047a Sp. Mod.

Plate	Date	JD	Sp.	Remarks. Hβ, Hγ, Hδ, Hε, Hζ, Hη
l 4807	Nov. 20, 1891	2057.	Md 7	1.0; 4.0, ·
l 5190	Dec. 17, 1891	2084.	Md 7	1.0, 4.0, ·
l 4997	Dec. 8, 1891	2075.	Md 9	1.0, 4.0, ·
l 4826	Nov. 24, 1891	2061.	Md 7	1.0, 5.0, ·
l 11304	July 30, 1894	3040.	Md	
l 31064	Oct. 26, 1903	6414.	Mod	
l 34275	Sept. 25, 1906	7479.	Md 7	

I N807	1891	Nov. 20	12057		Hδ bright	Sp. Mc
I H826	1891	Nov. 24	12061		Hδ bright	Sp too ft. & C
I H997	1891	Dec. 8	12075		Hδ bright	Focus very poor.
I 5190	1891	Dec. 17	12084	.10	20	Sp. too ft.
I 11304	1894	July 30	13040			Too poor.
I 31064	1903	Oct. 26	16414			Sp Mc No h. lines
I 31313	1903	Dec. 19	16468	.10	30	Sp. Focus too for E.
I 3H275 (good)	1906	Sept. 25	17570	.10	40.2	Sp Mc

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1913phae.proj...823F

232746. V Phoenicis −46° 14688 Sp. Md. 4.

Plate	Date	J D	Sp.	Remarks.
B 39667	Sept. 21, 1908	8206.	Md 4	
B 39670	" 22, "	8207.	Md 8	

B39667 18206 Hγ=10 Hδ=10 Sp. Mb.

B39670 1908 Sept. 22 18207 10 10 Sp Mb

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1913phae.proj..823F

233232. S U Pegasi — Sp. —

Plate	Date	ΔT	Sp.	Remarks

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1913phae.proj...823F

233335. G.T. Androm. +34° 4974 Gf. N.

Plate	Date	J.D.	Sp.	Remarks.
I 32383	Dec. 2, 1904	6817.	Ita	
I 32383				0, 6, 10 very faint. (a.j.c.)

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1913phae.proj..823F

233451. S Cassiop +51° 3676 Sp. Mc.

Plate	Date	J D	Sp.	Remarks.
I 35763	Dec. 23, 1908	8299.	Mc	
I 33584			Mc	(a. j. c.)
B H3272 (long.)	1912 July 10	19594	. 10 70	Sp Mc Focus poor C
B H4137 long	1913 Aug. 27	20007	. 10 70 . 31	Sp Mc Very ft.
B 44297 (long)	1913 Oct. 4	20045	. 10 40	Sp. too ft.
B 44298	1913 Oct. 4	20045	. 10 40	Sp too ft.

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1913phae.proj..823F

233815. R Aquarii −16° 6352 Sp. Md.

Plate	Date	JD	Sp.	Remarks. Hβ, Hγ, Hδ, Hε, Hζ, Hη, Hθ, Hι
B17425	Sept. 14, 1896	3817.	Md^7	1.0, 5.0, . 0.5, 0.4, 0.3, 0.3
B17396	" 8, "	3811.	Md^7	1.0, 5.0, .,
B17538	Oct. 1, "	3834.	Md^7	1.0, 5.0, ., 0.6, 0.4, 0.2, 0.1
B14211	July 27, 1895	3402	Md^9	1.0, 5.0, .,
B17331	Sept. 2, 1896	3805.	Md^6	1.0, 5.0, .,
B14623	Sept. 13, 1895	3450.	Md^9	1.0, 8.0, -, 0.8, 0.5,
B14430	Aug. 22, 1895	3428.	Md.	
? I3706	Oct. 18, 1895	3485.	Md	
B17041	Aug. 1, 1896	3773.	Md	
B22018	Oct. 8, 1898	4571.	Md	
A9690	Aug. 21, 1909	8540.	Md	
A9690	1909 Aug 21	18540		Hδ bright Sp Mc.
B10180	1893 Aug. 19	12695		. 10 40 . 2 Sp. Mb
B10364	1893 Oct. 3	12740		. 10 30 Sp Mc
B10422	1893 Oct. 17	12754		Hδ bright Sp. Mc Break of grt within Hβ seen
B14211 (good)	1895 July 27	13402		. 10 40 . 2 Sp Mb H227 strong
B14430	1895 Aug. 22	13428		. 10 ~~60~~ 70 . 2 2 1 1 Sp Mb Sp Mc 4227 ft.
B14623	1895 Sept. 13	13450		. 10 70 . 3 2 11 Sp. Mc
B17041	1896 Aug. 1	13773		Hδ bright Sp. Mc Hδ = 3, 4202 times 4227 strong
B17053	1896 Aug. 4	13776		. 10 70 Sp. Mc 4227 strong
B17331 (long)	1896 Sept 2	13805		. 10 30 . 2 Sp. Mb
B17356	1896 Sept 4	13807		. 10 60 Sp Mb
B17396	1896 Sept 8	13811		. 10 60 . 3 Sp Mb
B17425 (long)	1896 Sept 14	13817		. 10 40 . 3 1 1 1 Sp. Mb
B17538	1896 Oct. 1	13834		. 10 40 . 3 2 11 Sp Mb
B22018	1898 Oct. 8	14571		. 10 70 . 3 1 Red end off Edge 4227 strong
B24575	1899 Nov. 11	14970		. 10 30 . Focus too poor.
I36770	1910 Aug. 1	18885		Hδ bright Sp. Mc Image ft.
I13706	1895 Oct. 18	13485		Hδ very bright Sp, faint but poor.

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1913phae.proj..823F

233956. Z Cassiop +55°3009a Sp. Md.

Plate	Date	JD	Sp.	Remarks.
I 33584	Oct. 28, 1905	7147.	Md	
I 33701	Nov. 25, 1905	7175.	Md 7	

I 33584	1905 Oct. 28	17147	H δ bright.	Sp. mb	a.j.c.
I 33701	1905 Nov. 25			Too fr.	
I 37242	1911 Aug. 19			Too fr.	

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1913phac.proj...023F

234546. TZ Andromedae +46°4187 Sp. Mc5.

Plate	Date	JD	Sp.	Remarks.
I35763	Dec. 23, 1908	8299.	Mc5d	
c. I35763			Mc	(a.j.c.)

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1913phae.proj..823F

234716. Z Aquarii −6° 6379 Sp. Md.

Plate	Date	JD	Sp.	Remarks.
B 14623	Sept. 13, 1895	3450.	Md^3.	10 02 . . .
B 14623	1895 Sept. 13	13450	.	10 3
B 17053	1896 Aug. 4	13776	.	10 n.s.
B 17538	1896 Oct. 1	13834	.	10
B 39487	1908 Aug. 26	18180		
B [illegible]82	1910 Oct. 28	18973		

Sp. Ma?
all the light has gone
H3 h? Sp. K5
Sp. Ma no br. lines
Sp. K5 " " "
Focus poor.

235048 R S Androm.

Plate	Date	JD	Sp.	Remarks. H3 H8, H8, H2 H5 Hη
I 35731	Dec. 15, 1908	8291.	Md8	. 10, 30 . . .
I 34884	Sept. 30, 1907	7849.	Md8	. 10, 30 . . . Br. lines H+K in disturbed

I 35731	1908 Dec. 15	18291	Mc	(a.j.c.)
I 17400	1897 Feb. 24	13980		
I 32258	1904 Nov. 2	16787	Mc.	
I 32360	1904 Nov. 26	16811	Mc	
I 34884	1907 Sept. 30	17849	Mc.	

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1913phae.proj...023F

235053. RR Cassiop. +53°3559a Sp:-

Plate	Date	JD	Sp.	Remarks.
l7415	Oct. 24, 1892	2396.		Too faint
7711	Dec. 22, 1892	2455.		" "
7658	" 11, "	2444.		" "
7860	Oct. 14, "	2386.		" "
17378	Sept. 5, 1896	3808.		" "
17205	Aug. 17, 1896	3789.		" "
l2940	Jan. 30, 1891	1763.		" faint.
l2043	Dec. 29, 1890	1722.	~~Md~~ d	" "
l27916	Nov. 2, 1901	5691.		" "
l35673	" 16, 1908	8262.		" faint.
l35749	Dec. 21, 1908	8297.		Too faint.
l35744	" 19, 1908	8295.		" "
l35731	" 15, "	8291.		" "
l33058	May 8, 1905	6974.	~~Md~~ d ~~10,100~~	" "
l34884	Sept. 30, 1907	7849.		" "
l32464	Dec. 29, 1904	6844.		" "

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1913phae.proj..823F

235150. R Phoenicis −50° 14082 Sp. Md.

Plate	Date	JD	Sp.	Remarks. Hβ, Hγ, Hδ, Hε, Hζ, Hη
B14881	Oct. 17, 1895	3484.	Md^3	1.0, 0.9, .
B14806	" 10, "	3477.	Md^4	1.0, 0.8, .
B14812	" 12, "	3479.	Md^4	1.0, 0.8, .
B17030	July 30, 1896	3771.	Md 4	1.0, 1.0, .
B10276	Sept. 16, 1893	2723.	Md 4	1.0, 0.9, .

B10276	1893 Sept. 16	12723	. 10 7	Sp. Too fr. n. S.
B14370	1895 Aug. 14			
B14806	1895 Oct. 8	13475	. 10 7 .	Sp. Ma Br. Hex Bry.
B14812	1895 Oct. 12	13479	. 10 7 .	" Ma
B14881	1895 Oct. 17	13484	. 10 8 .	" Ma
B17030	1896 July 30	13771	. 10 9 . 2 1	Sp Ma
B45108	1914 Sept. 29	20405	. 10 7	Sp. Ma

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1913phae.proj...823F

235265. R Tucanae −66° 3816 Sp. Md.

Plate	Date	JD	Sp. Md	Remarks.
B 6793				
B 10431				
B 11550				
B 12057	94, 9, 1			
B 14356	Aug. 12, 1895			
B 19969	" 3, 1897			
B 38145	Sept. 13, 1907			
B 38368	Nov. 6, 1907			
				(a.j.c.)
B 6787	1891 Aug. 25	11970		H δ appears to be bright - Sp. very faint.

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1913phae.proj..823F

235209. V Leeti -9°6294 Sp. Md4

Plate	Date	JD	Sp.	Remarks.
B12065	Sept. 3, 1894	30705.	Md4	Hδ, Hδ, Hδ, Hε, Hδ, Hη Very faint · 10, 05, . . .
B12065		13075		Hγ bright - very faint. (A.J.C.)
~~B10412~~				M. S
~~B12065~~	~~1894 Sept. 3~~			"
B14377	1895 Aug. 15			M. S
BH0849	1909 Sept 11			"
BH0911	1909 Oct 9			"
BH0919	1909 Oct. 10			"

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235350. R Cassiop. +50°4202 Sp. Md.

Plate	Date	Jd	Sp.	Remarks. H3, Hδ, H8, Hε, H5, Hη
l 2940	Jan. 30, 1891	1763.	Md^7	1.0, 7.0, .
l 17400	Feb. 24, 1897	3980.	Md^7	. 1.0, 100, 5.0, . 05 05
l 16947	Dec. 31, 1896	3925.	Md^6	1.0, 5.0, .
l 2543	" 20, 1890	1722.	Md^9	. 1.0, 9.0, . . .
l 3061	Feb. 13, 1891	1777.	Md^9	1.0, 7.0, .
l 2421	Dec. 4, 1890	1706.	Md^9	1.0, 5.0, .
l 13504	Sept. 19, 1895	3456.	Mc 5-d	
l 34884	Sept. 30, 1907	7849.	Md^8	. 10, 100, . . .
l 35681	Nov. 20, 1908	8266.	Md^{10}	
l 35731	Dec. 15, 1908	8291.	Md^{10}	. 10, 100, . . .
l 35763	Dec. 23, 1908	8299.	Md^7	
l 35744	Dec. 19, 1908	8295.	Md^8	. 10, 100, . . .
l 17205	Jan. 26, 1897	3951.	Md^8	. 10, 100, . . .
l 17378	Feb. 19, "	3975.	Md^8	. 10, 100, . 05, 05
l 7455	Oct. 24, 1892			Too faint } RR Cas.
l 7711	Dec. 22, 1892			Too faint, }
l 7658	" 11, "			Too faint. }
l 7360	Oct. 14, "			Too faint. }
l 27916	Nov. 2, 1901	5691.	Md^8	. 10, 100. . .
l 35673	" 16, 1908	8262.		Too faint
~~l 35749~~				~~Off pl~~
l 3305-8	May 8, 1905	6974.	Md^8	. 10, 100, . . .
l 32464	Dec. 29, 1904	6844.	Ma?	Faint. No trace of H. lines.

			+R	+S	
l 35731	1908 Dec. 15	18291	10	80	Sp. Mc
l 16960	Jan. 1, 1897	13926	10	10	" Mc

See page 187

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1913phae.proj..823F

235357. S Phoenicis −57° 10393 Sp. Md.

Plate	Date	JD	Sp.	Remarks. Hδ, Hγ, Hθ, Hε, Hδ, Hη
B 11647	July 24, 1894	3034.	Md 8	1.0, 1.0, ·
B 41858	Aug. 31, 1910	8915.	Md 4	

B 10082	1893	Aug. 2	12678	. 10	4	Sp. Mb
B 11678 (Best)	1894	July 25	13035	. 10	10	Sp. Mb
B H2637	1911	Aug. 31	19280	. 10	8	Sp. Mb
B 42095	1910	Nov. 8	18984	. 10	7	Sp. Mb
B H1858	1910	Aug. 31	18915	. 10	5	Sp. Mb

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1913phae.proj...823F

235424. Y Leti — Sp. —

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1913phae.proj..823F

235525. ζ Pegasi +25° 5054 Sp. Md?

Plate	Date	JD	Sp.	Remarks.
I 19059	Sept. 28, 1897	4196.	Md?	
I 19059		14196	H δ bright	Sp. mc (a.j.c.)

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235715. W Ceti −15°6531 Sp. Md.

Plate	Date	JD	Sp.	Remarks. H3, H8, H8, H2, H8 H4
B41775	August 13, 1910	8897.	Md^6	10, 50, .
I32250	Oct. 31, 1904	6785.	Md	
I35010	Nov. 9, 1907	7889.	Md^4	
B39487	Aug. 26, 1908	8180.	Md	
B39464	" 18, 1908	8172.	Md^6	
~~B41775~~	~~Oct. 13, 1910~~	~~8775.~~	~~Md^6~~	wrong region See 11^{hs}

B39464	1908 Aug.	18	18172	. 10, 40 . .	Sp. mb (a.f.c.)
I32250	1904 Oct.	31	16785	H8 bright	Sp. mb
I32259	1904 Nov.	2	16787		Sp mb No br. luis
~~B41081~~	~~1909 Nov. 7~~			~~H8 bright~~	~~Sp. Dec. Dark bands~~ very fr.
I35010	1907 Nov.	9	17889	H8 bright	Sp. ~~Dec.~~ mc. ~~Dark bands~~
B39487	1908 Aug.	26	18180	H8 bright	Sp. ~~Dec.~~ bre.
B41775	1910 Aug.	13	18897	H8 bright	Sp mb
B42082	1910 Oct.	28	18973		Sp. ma No br. luis
B41081	1909 Nov.	7	18618		bre. " " "

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.235855. γ Cassiop. — Sp. Md.

Plate	Date	JD	Sp. Remarks. (10 H3, H8, H8, He, H5, H4)	
I 16947	Dec. 31, 1896	3925.	Md .. 1.0, 100 ·, ...	
I 32360	Nov. 26, 1904	6811.	Md9 .. 10, 100, ...	
I 2543	Dec. 20, 1890		..	H
I 7360	Oct. 14, 1892		..	H
I 7415	" 24, "		..	H
I 7711	Dec. 22, "		..	H
I 16960	Jan. 1, 1897		Md8 .. 10, 80?	
I 16972	Jan. 3, 1897		Md8 .. 10, 80?	
I 16984	Jan. 6, 1897		Md7 .. 10, 100	
~~I 17205~~	~~Jan. 26, 1897~~		~~Md7 .. 10, 100~~	
I 17378	Feb. 19, 1897		Md6 .. 10, 60	
I 17400	Feb. 24, 1897		Md8 .. 10, 60	
I 21217	Sept. 18, 1898		..	P
I 31262	Dec. 13, 1903		..	P
I 31303	" 18, "		..	P
I 32413	" 11, 1904		Md9 .. 10, 100,	
I 32464	" 29, "		Mc	1
I 33563	Oct. 23, 1905		..	H
I 33584	" 28, "		..	H
I 33701	Nov. 25, "		Mc	
I 34884	Sept. 30, 1907		..	P
I 35731	Dec. 15, 1908		..	H

I 32360 Nov. 26, 1904 16811 H8 very bright Mb (a.f.c.)

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235939. SV Androm. — Sp. Md 7.

Plate	Date	J.D	Sp.	Remarks.
I30956	Sept. 28, 1903	6386.	Md 7	Hβ, Hγ, Hδ, Hε, Hζ, Hη. 18, 70, ...
I30956		16386	Hδ bright	Sp. mc (a.j.c.)

Cassiopeiae (Cont.)

I16960	1897 Jan. 1	13926	Hδ bright	Sp. too faint.
I16972	1897 Jan. 3	13928	Hδ bright	Sp. too faint.
I16984	1897 Jan. 6	13931	Hδ bright	Sp. too faint.
I17378	1897 Feb. 19	13975		Sp. mc no br. lines
I17400	1897 Feb. 24	13980		too poor.
I31262	1903 Dec. 13	16462		Focus too poor.
I32413	1904 Dec. 11	16826	Hδ bright	Sp. Ma?
I16947	1896 Dec. 31	13925	Hδ bright	Sp. too poor.
I32360 (Beech)	1904 Nov. 26	16811	Hδ bright	Sp. Ma
I32464	1904 Dec. 29	16844		Sp. too poor.
I33701	1905 Nov. 25	17175		Sp. too poor.

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Changes.

(Cont. from Bk 21.) 132422 R Hydrae — 22 3601 Sp. Md 5–10

Plate	Date	J.D.	Sp.	Remarks.
A 9381	June 17, 1909	8475.	Md	
B 40573	July 7, 1909	8495.	Md 10	

			H γ	H δ	H ε	H η	
I 14858	1896 April 9	3659	10	30	2	1	Mb.
B 15573	1896 Apr. 10	3660	10	30			Too dense
I 32528	1905 Jan. 17	6863					Hδ br. not strong Sp. Mc
I 32629	1905 Feb. 10	6887					Hδ br. Sp. Mc 4227 very strong
I 32915	1905 Mar. 15	6920	10	80			Mc
I 32986	1905 April 6	6942	10	30			Mb dense.
I 33018	1905 April 25	6961	10	20			Mb dense.
I 33089	1905 May 25	6991	10	30	2	.	Mc
I 34024	1906 April 28	7329	10	70			Mc
B 40451 (good)	1909 June 20	8478					Mc No br. lines.
B 40573	1909 July 7	8495					Mc Hδ bright = br. line slightly to red.
B 3673	1889 June 28	1182	10	40	2	.	Mb
B 3373	1889 May 30	1153	10	50	3	1	Hδ Mb H227 strong
I 38375	1913 Mar. 9	9836	10	80	2	.	Mc
I 38388	1913 Mar. 31	9858	10	40	2	1	Mc
I 38425	1913 April 26	9884	10	15	.	.	Mc
B 44467	1914 May 14	0267	10	40	.	.	Too near edge.

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235350 R Corsiopeiae

Cont. from page 179

I 16843	1896	Dec. 20	13914	Hδ bright	Sp. Mc. Image burned out. Diff. lines may be bright
I 16960	1897	Jan. 1	13926	.10 80	Sp. Mc.
I 16971	1897	Jan. 2	13927	.10 80	Sp Mc
I 16972	1897	Jan. 3	13928	.10 80	Sp. Mc
I 16984	1897	Jan. 6	13931	.10 90	Sp. Mc
I 17006	1897	Jan. 7	13932	. Hδ bright	Sp. Mc
I 17137	1897	Jan. 19	13944	.10 70	Sp Mc
I 17205	1897	Jan. 26	13951	.10 90	Sp Mc
I 17235	1897	Feb 1	13957	.10 80.4	Sp. Mc
I 17378	1897	Feb 19	13975	.10 70.3	Sp. Mc
I 17391	1897	Feb 23	13979	.10 60	Sp Mc
I 17400	1897	Feb. 24	13980	.10 70	Sp Mc
I 21192	1898	Sept. 13	14546		Sp Mc No h. lines Very ft.
I 31262	1903	Dec. 13	16462		Sp. Mc? Very ft. No h. lines
I 33058	1905	May 8	16974	Hδ bright	Sp Mc faint.
I 34884	1907	Sept. 30	17849	.10 80	Sp Mc.
I 35763 (good)	1908	Dec. 23	17933 18299	.10 100	Hγ barely seen Sp. Mc.
I 2421	1890	Dec. 4	11706	Hδ bright	Sp. Mc.
I 2940	1891	Jan 30	11763	10 100	Sp. Mc.
I 3061	1891	Feb 13	11777	Hδ bright	Sp. Mc.
I 13504	1895	Sept. 19	13456	Hδ bright	Sp. Mc.
I 16947	1896	Dec. 31	13925	10 80	Sp. Mc. (Very bright)
I 27916	1901	Nov. 2	15691	10 90	Sp. Mc.
~~I 33058~~	~~1905~~	~~May 8~~	~~16974~~	~~Hδ bright~~	~~Sp. Mc. Very faint~~
I 35744	1908	Dec. 19	18295	Hδ bright	Sp. too faint.
I 35673	1908	~~Dec.~~ Nov. 16	18262	Hδ bright	Sp. too faint.

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