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Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South Bache Plates #99

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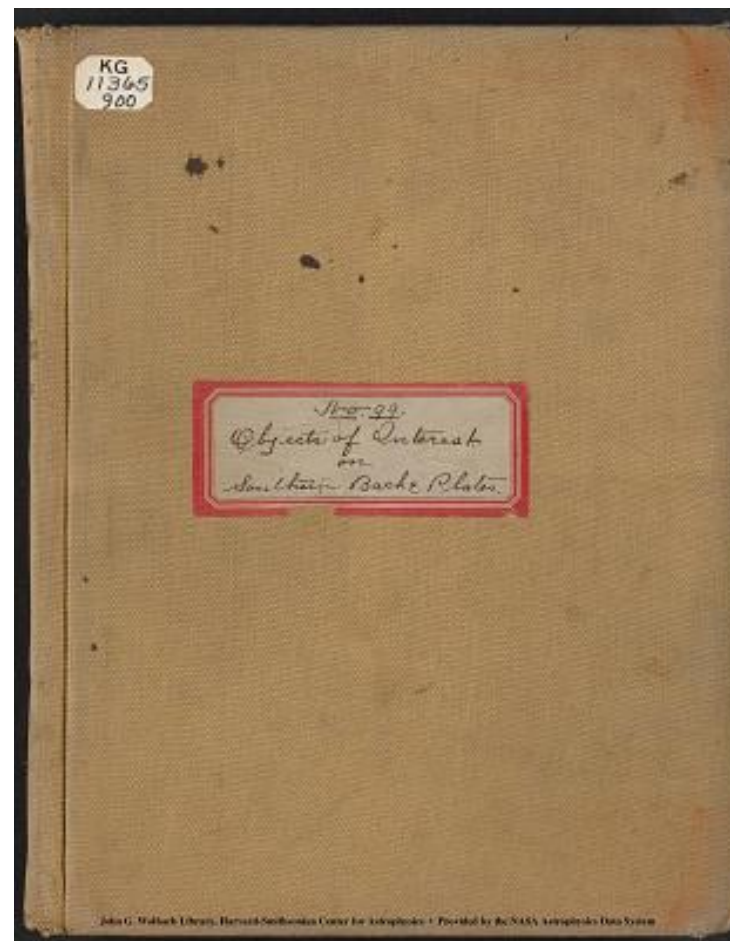
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KG
11365
900

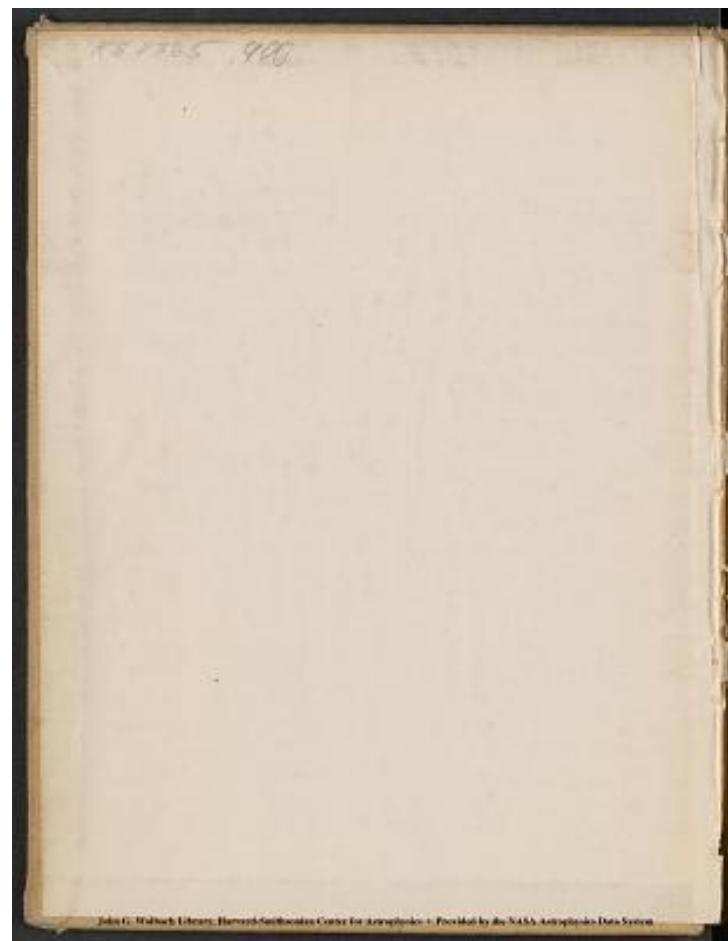
No 99.
Objects of Interest on Southern Bache Plates.

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• Provided by the NASA Astrophysics Data System

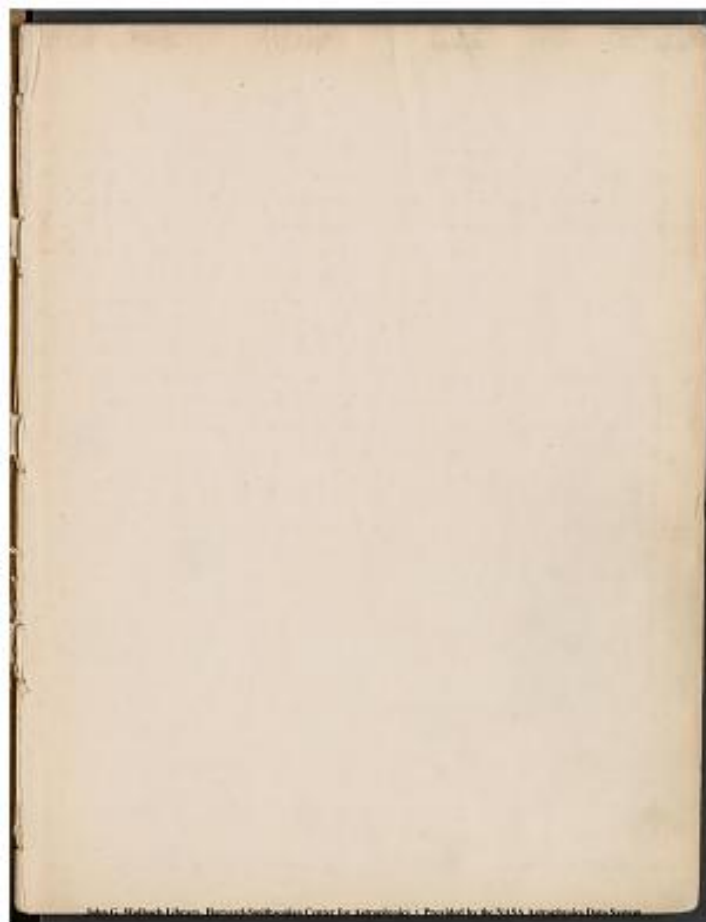


Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
Bache Plates #99
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KG 11365, 900



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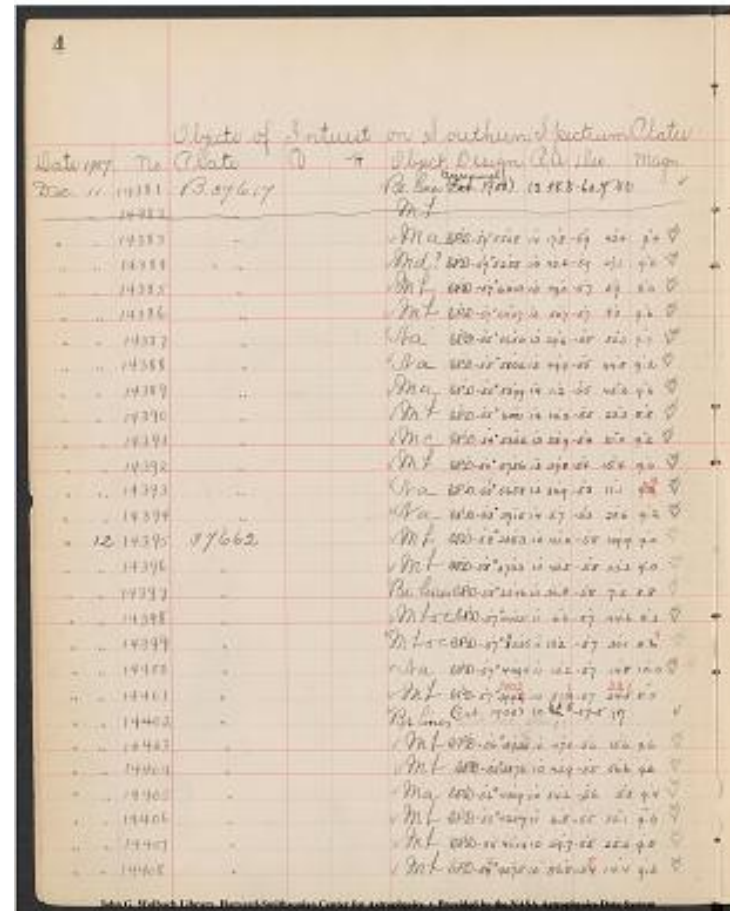
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9.3									
Dec. 11	14373	37616			Mb	CDM -49° 7552	12 53.4	-49 34.5	8.8
Dec. 11	14374	37616			Ma	CDM -47° 7867	12 41.3	-47 58.9	8.2
Dec. 11	14375	37617			Br. lines	CPD -61° 3791	13 25.1	-61 40.3	9.6
Dec. 11	14376	37617			Mb	CPD -61° 3769	13 23.9	-61 20.7	9.4
Dec. 11	14377	37617			Mb	CPD -61° 4074	13 42.9	-61 30.2	9.1
Dec. 11	14378	37617			Mb	CPD -61° 4497	14 12.8	-61 25.6	9.4
Dec. 11	14379	37617			Mb	CPD -61° 4528	14 16.0	-61 10.7	0.4
Dec. 11	14380	37617			Mb	CPD -60° 5381	14 19.8	-60 5.0	9.
[[striketthrough]] 4 [[/striketthrough]] 7									

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Objects of Interest on Southern Spectrum Plates

[[10 column table]

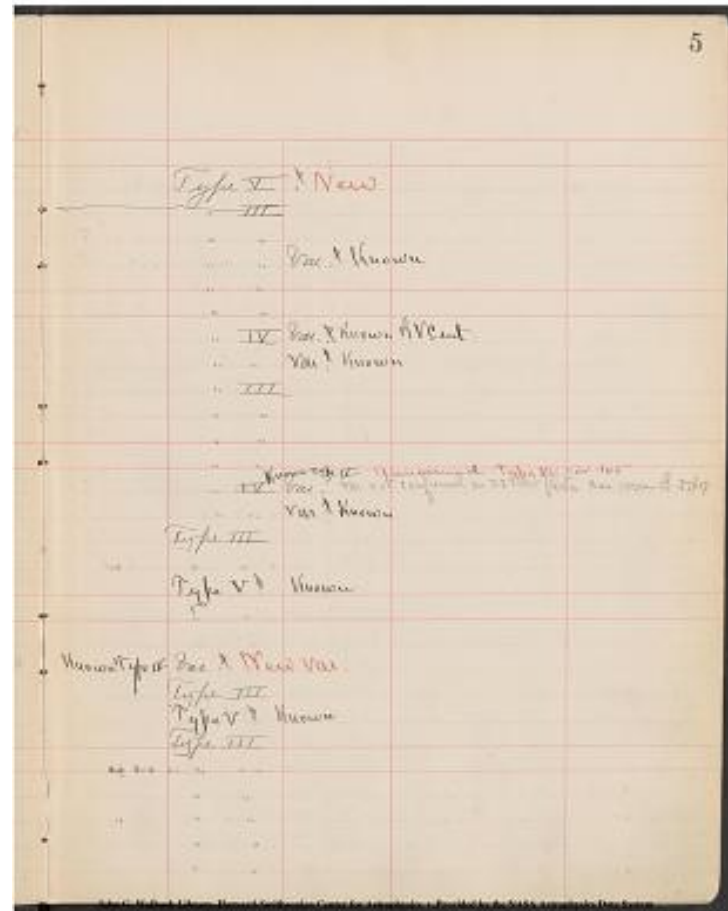
Date	1907	No.	Plate	V	H	Object	Design.	RA	Dec	Magn.
Dec. 11	14381	B37617				Br.lines	(Est. 1900)	13 48.8	-60 40	1
Dec. 11	14383	B37617				Ma	C.P.D.-59° 5568	14 17.8	-59 43.4	9.4
Dec. 11	14384	B37617				Md?	C.P.D.-59° 5228	13 42.6	-59 47.1	9.6
Dec. 11	14385	B37617				Mb	C.P.D.-57° 6410	13 49.0	-57 5.9	8.6
Dec. 11	14386	B37617				Mb	C.P.D.-57° 6427	13 50.7	-57 8.0	9.6
Dec. 11	14387	B37617				Na	C.P.D.-55° 5650	13 29.6	-55 50.3	
Dec. 11	14388	B37617				Na	C.P.D.-55° 5802	13 49.9	-55 44.5	
Dec. 11	14389	B37617				Ma	C.P.D.-55° 5899	14 1.2	-55 45.2	
Dec. 11	14390	B37617				Mb	C.P.D.-55° 6001	14 14.2	-55 23.3	
Dec. 11	14391	B37617				Mc	C.P.D.-54° 5666	13 28.9	-54 21.0	
Dec. 11	14392	B37617				Mf	C.P.D.-54° 5736	13 39.8	-54 15.4	
Dec. 11	14393	B37617				Na	C.P.D.-53° 5658	13 24.9	-53 11.1	
Dec. 11	14394	B37617				Na	C.P.D.-53° 5915	14 5.7	-53 20.6	
Dec. 12	14395	B37662				Mb	C.P.D.-58° 2683	10 41.0	-58 49.9	
Dec. 12	14396	B37662				Mb	C.P.D.-58° 2733	10 43.5	-58 33.3	
Dec. 12	14397	B37662				Br.lines	C.P.D.-58° 2546	10 36.8	-58 7.2	
Dec. 12	14398	B37662				Mb5c	C.P.D.-57° 4405	11 6.6	-57 44.6	
Dec. 12	14399	B37662				Mb5c	C.P.D.-57° 4555	11 13.2	-57 30.1	
Dec. 12	14400	B37662				Na	C.P.D.-57° 4494	11 10.2	-57 14.8	
Dec. 12	14401	B37662				Mb	C.P.D.-57° 4002	10 51.1	-57 23.1	
Dec. 12	14402	B37662				Br.lines	(Est 1900)	10 55.8	-57 17	
Dec. 12	14403	B37662				Mb	C.P.D.-56° 3935	10 47.0	-56 15.6	
Dec. 12	14404	B37662				Mb	C.P.D.-55° 3876	10 43.9	-55 56.6	
Dec. 12	14405	B37662				Ma	C.P.D.-56° 4069	10 54.2	-56 5.3	
Dec. 12	14406	B37662				Mb	C.P.D.-55° 4207	11 6.8	-55 32.1	
Dec. 12	14407	B37662				Mb	C.P.D.-55° 4114	10 59.7	-55 25.2	
Dec. 12	14408	B37662				Mb	C.P.D.-55° 4075	10 56.8	-55 14.4	



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Type V ~~?~~ New
~~Type III~~
 Type III Var ~~?~~ Known
 Type III
 Type III
 Type IV Var. ~~?~~ Known R V Cent.
 Type IV Var ~~?~~ Known
 Type III
 Type III
 Type III
 Type III
 Type IV ^[[Known Type IV. Announced Type VI Cir. 145]] Var? var not confirmed on 23 chart plate see cover B 37617
 Type IV Var ~~?~~ Known
 Type III
 Type III
 Type V ~~?~~ Known
 Type V
 Type V
 Known Type IV Var. ~~?~~ New var.
 Type III
 Type V ~~?~~ Known
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III

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Objects of Interest on Southern Spectrum Plates

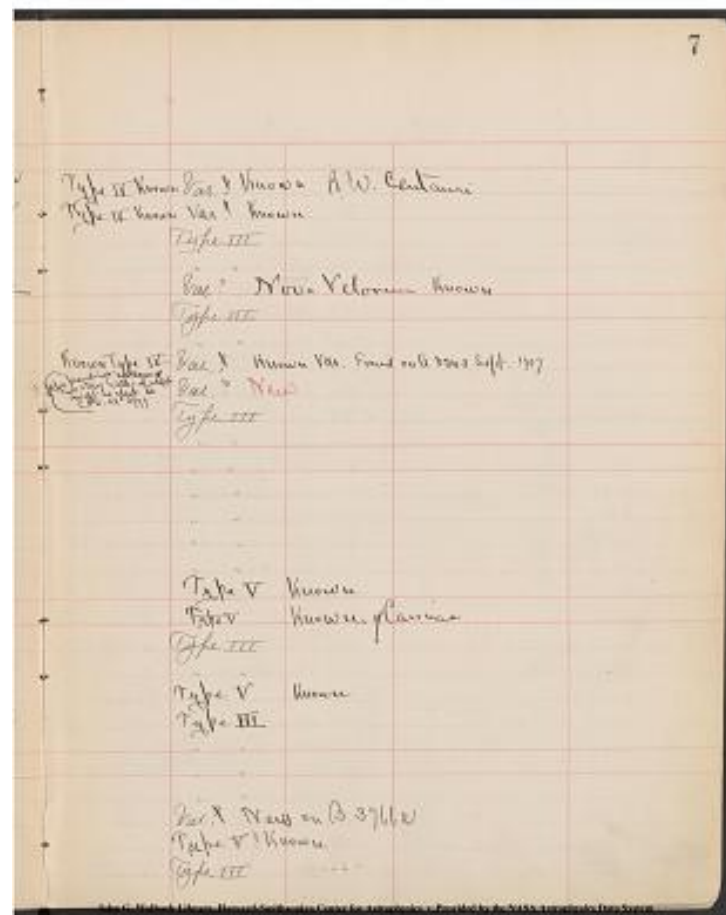
[[10 column chart]]

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn.
Dec. 12 1907	14409	37662			Na	(Est. 1900)	11		
Dec. 12 1907	14410	37662	3	7	Na	(Est. 1900)	11		
Dec. 12 1907	14411	37662	3	7	Na	(Est. 1900)	11		
Dec. 12 1907	14412	37662	3	7	Na	(Est. 1900)	11		
Dec. 12 1907	14413	37662	3	7	Na	(Est. 1900)	11		
Dec. 12 1907	14414	37662	3	7	Na	(Est. 1900)	11		
Dec. 12 1907	14415	37662	3	7	Na	(Est. 1900)	11		

Objects of Interest on Southern Spectrum Plates									
Obj. No.	Plate	V	H	Object	Design	RA	Dec	Magn.	
14409	37662			Na	(Est. 1900)	11			
14410				Na	(Est. 1900)	11			
14411				Ma	68° 40' 00" N 29° 50' 00" E				
14412				Ma	68° 40' 00" N 29° 50' 00" E				
14413				Ma	68° 40' 00" N 29° 50' 00" E				
14414				Ma	68° 40' 00" N 29° 50' 00" E				
14415				Ma	68° 40' 00" N 29° 50' 00" E				
14416				Ma	68° 40' 00" N 29° 50' 00" E				
14417				Ma	68° 40' 00" N 29° 50' 00" E				
14418				Ma	68° 40' 00" N 29° 50' 00" E				
14419				Ma	68° 40' 00" N 29° 50' 00" E				
14420				Ma	68° 40' 00" N 29° 50' 00" E				
14421				Ma	68° 40' 00" N 29° 50' 00" E				
14422				Ma	68° 40' 00" N 29° 50' 00" E				
14423				Ma	68° 40' 00" N 29° 50' 00" E				
14424				Ma	68° 40' 00" N 29° 50' 00" E				
14425				Ma	68° 40' 00" N 29° 50' 00" E				
14426				Ma	68° 40' 00" N 29° 50' 00" E				
14427				Ma	68° 40' 00" N 29° 50' 00" E				
14428				Ma	68° 40' 00" N 29° 50' 00" E				
14429				Ma	68° 40' 00" N 29° 50' 00" E				
14430				Ma	68° 40' 00" N 29° 50' 00" E				
14431				Ma	68° 40' 00" N 29° 50' 00" E				
14432				Ma	68° 40' 00" N 29° 50' 00" E				
14433				Ma	68° 40' 00" N 29° 50' 00" E				
14434				Ma	68° 40' 00" N 29° 50' 00" E				
14435				Ma	68° 40' 00" N 29° 50' 00" E				
14436				Ma	68° 40' 00" N 29° 50' 00" E				

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Type IV Known Var ~~?~~ Known RW
 Centauri
 Type IV Known Var ~~?~~
 Type III
 Type III
 Var? Nova Velorum Known
 Type III
 Type III
 Known Type IV Var ~~?~~ Known Var. Found
 on A8343 Sept. 1907
 {The preceding northern of two stars either of which might be identified
 as CHD-52 3999
 Var ~~?~~ New
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type V Known
 Type V Known y Carinae
 Type III
 Type III
 Type V Known
 Type III
 Type III
 Type III
 Type III
 Var ~~?~~ New on B 37662
 Type V ~~?~~ Known
 Type III



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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn
1907	14437	37702			Ma	CPD-53°4300	10 58.3	53 42.8	53 51

Dec. 12|14437|37702| | [[checkmark]]Ma|[[?]]PD-55°408|~~6~~|~~10 57.5~~-55
|~~39.2~~|~~36.0~~[[checkmark]]

Dec. 12|14438|37702| | [[checkmark]]Mb|C.PD-55°4207|11 6.8|-55
32.1|9.6 w[[checkmark]]

Dec. 12|14439|37702| | [[checkmark]]Mb|CPD-55°4114|10 59.7|-55
25.2|9.5 w[[checkmark]]

Dec. 12|14440|37702| | [[checkmark]]Ma|CPD-5°4075|10 56.8|-
5|~~4~~|~~14.4~~|9.3 w[[checkmark]]

Dec. 12|14441|37702| |
[[checkmark]]Na|~~[[?]]~~Est|~~[[?]]~~. 1900) Z.C. 11
129|11 2.9|-54. [[checkmark]]6|~~[[?]]~~35|(1900)
[[checkmark]]

Dec. 12|14442|37702| | [[checkmark]]Mb|~~[[?]]~~(Est.
1900)|~~[[?]]~~ approx 1875|~~[[?]]~~11 2. [[checkmark]]
pos.11 1.8|~~[[?]]~~-54.0|~~[[?]]~~-53 4|~~[[?]]~~6|

Dec. 12|14443|37702| | [[checkmark]]Mb|CPD-53°4299|10 57.2|-53
53.6|10.0 w[[checkmark]]

Dec. 12|14444|37702| | [[checkmark]]Bi. lines|~~[[?]]~~CPD -
53°4300|~~[[?]]~~ (1900
|~~[[?]]~~C.P.D....|~~[[?]]~~10
57.3|~~[[?]]~~10 58.3|~~[[?]]~~-53 42.8|~~[[?]]~~-53
51|~~[[?]]~~10.0|~~[[?]]~~

Dec. 12|14445|37702| |
[[checkmark]]|~~[[?]]~~Va|~~[[?]]~~Na|CPD-53°4358|11
|~~[[?]]~~2|~~[[?]]~~1.9|-53 11.6|9.4 w[[checkmark]]

Dec. 12|14446|37702| | [[checkmark]]Mf|[[?]]PD-53°4068|10 37.0|-53
41|9.8 w[[checkmark]]b

Dec. 12|14447|37702| | [[checkmark]]Na|(Est. 1900) not cat. star|10
48.6|-52. |~~[[?]]~~9|~~[[?]]~~54| [[checkmark]]

Dec. 12|14448|37702| | [[checkmark]]Md5|CPD-52°3999|10 48.4|-52
31.6|10.3 w[[checkmark]]

Dec. 12|14449|37702| | [[checkmark]]Ma|CPD-52°3887|10 40.6|-52

Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object	Design	RA	Dec	Magn
Dec. 12	14437	37702			Ma	CPD-53°4300	10 58.3	53 42.8	53 51
"	14438	"			Mt	55°408	10 57.5	55 39.2	55 36.0
"	14439	"			Mt	55°4114	10 59.7	55 25.2	55 9.5
"	14440	"			Ma	5°4075	10 56.8	5 4.0	9.3
"	14441	"			Na	129	11 2.9	54 11.2	54 11.2
"	14442	"			Mb	1875	11 2.0	54 11.8	54 11.8
"	14443	"			Mb	CPD-53°4299	10 57.2	53 53.6	53 10.0
"	14444	"			Bi. lines	CPD-53°4300	10 57.3	53 51.0	53 10.0
"	14445	"			Va	CPD-53°4358	11 1.9	53 11.6	53 9.4
"	14446	"			Mf	53°4068	10 37.0	53 41.0	53 9.8
"	14447	"			Na	1900	10 48.6	52 54.0	52 54.0
"	14448	"			Md5	CPD-52°3999	10 48.4	52 31.6	52 10.3
"	14449	"			Ma	CPD-52°3887	10 40.6	52 31.6	52 10.3

58.3|8.7 w[[checkmark]]

|Dec. 12|14450|37702| | [[checkmark]]Mb|CPD-52°3863|10 39.0|-52
26.2|9.2 w[[checkmark]]

|Dec. 12|14451|37702| | [[checkmark]]Mb|C|PD-52°3915|10 42.4|-52
41.8|10.0 w[[checkmark]]

|Dec. 12|14452|37702| | [[checkmark]]Mb|[C.P.D-51 3499 [[?]]DM-
51°4956|10 35.9 10 35.9|-51 26.0 -51 25.8|9.2 8.8} w[[checkmark]]

|Dec. 12|14453|37702| | [[checkmark]]Mb|CDM-50°5655|10 59.0|-50
32.7|8.9 w[[checkmark]]

|Dec. 12|14454|37702| | [[checkmark]]Ma|CDM-
49°~~3~~|~~3~~|~~5591~~|10 45.2|-49 56.6|8.6
w[[checkmark]]

|Dec. 12|14455|37702| | [[checkmark]]Ma|CDM-49°5831|11 0.7|-49
46.2|7.2 w[[checkmark]]

|Dec. 13|14456|37574| | [[checkmark]]Mb|CPD-58°2560|10 37.3|-58
54|9.2|

|Dec. 13|14457|37574| | [[checkmark]]Mb|CPD-59°2620|10 42.0|-59
1.6|8.4|

[[note written diagonally through rows 14456-14460]]broken cannot find
again[[/note]]

|Dec. 13|14458|37574| | [[checkmark]]Mb|CPD-58°2683|10 41.0|-58
49.9|9.0|

|Dec. 13|14459|37574| | [[checkmark]]Bi. Line[[?]]|[[?]]PD-
58°284~~4~~|~~4~~|~~5~~|10
48.~~6~~|~~6~~|~~7~~-58 50.8|9.8|

|Dec. 13|14460|37574| | [[checkmark]]Br. Lines|CPD-58°2546|10
36.8|-58 7.2|8.8 w[[checkmark]]

|Dec. 13|14461|37574| | [[checkmark]]Mb|CPD-57°3915|10 47.7|-57
30.9|10.1|

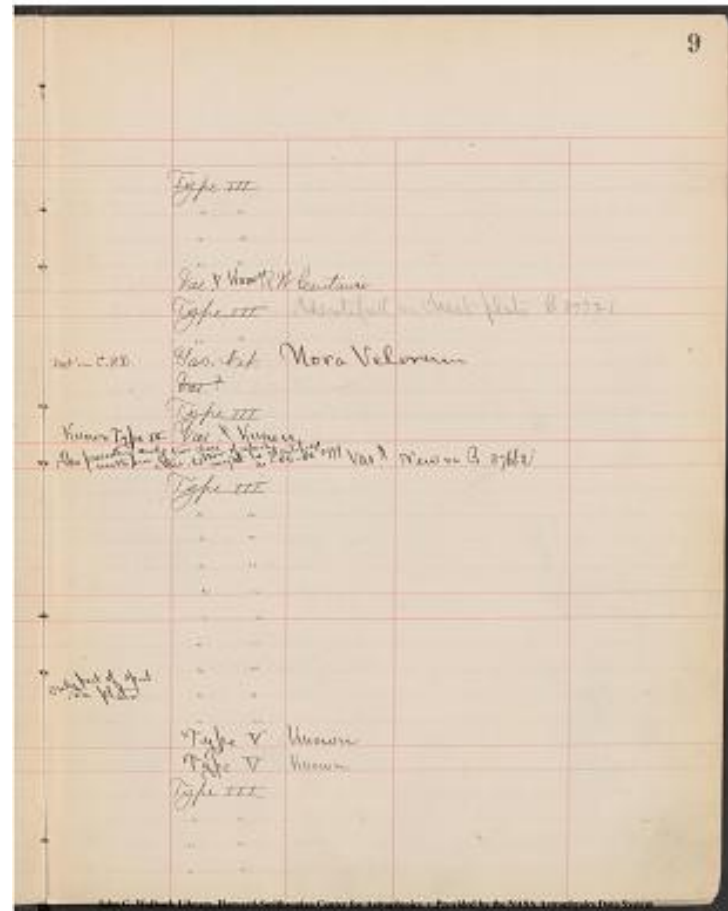
|Dec. 13|14462|37574| | [[checkmark]]Mb|CPD-
57°~~3998~~|~~4002~~|10
51.~~0~~|~~0~~|~~1~~-57
~~24.5~~|~~23.1~~|[[checkmark]]8.4|

|Dec. 13|14463|37574| | [[checkmark]]Mb|CPD-57°4405|11 6.6|-57
44.6|8.3 w[[checkmark]]

|Dec. 13|14464|37574| | [[checkmark]]Mb|CPD-57°4555|11 13.2|-57
30.1|8.~~6~~|~~4~~ w[[checkmark]]

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Type III
 Type III
 Type III
 Type III
 Var ~~?~~ ~~Known~~ RA ~~?~~
 Type III identified on chart plate B 37721
 Type III
~~not in C.P.D.~~ Gas. neb. Nova Velorum
~~Var. ?~~
 Type III
 Known Type IV Var ~~?~~ ~~Known~~
 The preceding and northern of two close stars, either of which might be
 identified as CPD -52° 3999 Var ~~?~~ ~~?~~ New
 on B 37662
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
~~only part of spect. on plate~~ Type III
 Type III
 Type V Known
 Type V Known
 Type III
 Type III
 Type III
 Type III



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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date | No. | Plate | V | H | Object | Design. | RA | Dec. | Magn.

Dec. 13, 1907 | 14465 | 37574 | | | Mb | CPD -56° 3935 | 10 47.0 | -56 15.6 | 9.6

Dec. 13, 1907 | 14466 | 37574 | | | Mc | CPD -55° 3876 | 10 43.9 | -55 56.6 | 9.6

Dec. 13, 1907 | 14467 | 37574 | | | Mb | CPD -55° 3855 | 10 42.8 | -55 0.0 | 10.0

Dec. 13, 1907 | 14468 | 37574 | | | Mb | CPD -55° 3919 | 10 46.4 | -55 3.5 | 10.1

Dec. 13, 1907 | 14469 | 37574 | | | Mb | CPD -5 ~~[[strikethrough]]~~ 4 ~~[[/strikethrough]]~~ 5° 4075 | 10 56.8 | -54 14.4 | 9.3Dec. 13, 1907 | 144 ~~[[strikethrough]]~~ 6 ~~[[/strikethrough]]~~ 70 | 37574 | | | Mb | CPD -55° 4176 | 11 4.3 | -55 20.8 | 10.0

Dec. 13, 1907 | 14471 | 37574 | | | Na | Announced 1900 pos. | 11 16.8 | -55 13 | |

Dec. 13, 1907 | 14472 | 37574 | | | Ma | CPD -54° 4516 | ~~[[strikethrough]]~~ 10 ~~[[/strikethrough]]~~ 11 18.7 | -54 27.1 | 9.4

Dec. 13, 1907 | 14473 | 37574 | | | Na | Z.C. 11^h 129 (1900) | 11 2.9 | -54 35 (1900) | |

Dec. 13, 1907 | 14474 | 37574 | | | Mb | CPD -54° 4020 | 10 ~~[[strikethrough]]~~ 47.2 ~~[[/strikethrough]]~~ 40.7 | -54 4.2 | 9.6

Dec. 13, 1907 | 14475 | 37574 | | | Br. Lines | Announced 1900 pos. | 10 58.3 | -53 51 | |

Dec. 13, 1907 | 14476 | 37574 | | | Mb | CPD -53° 4068 | 10 37.0 | -53 4.1 | 9.8

Dec. 13, 1907 | 14477 | 37574 | | | Na | Announced 1900 pos. | 10 48.6 | -52 54 | |

Dec. 13, 1907 | 14478 | 37574 | | | Mb | CPD -52° 3863 | 10 39.0 | -52 26.2 | 9.2

Dec. 13, 1907 | 14479 | 37574 | | | Mb | ~~[[strikethrough]]~~ CPD -52° 4048 | 10 52.0 | -52 26.7 | 10.2 ~~[[/strikethrough]]~~ CDM -52° 4068 | 10 51.9 | -52 26 | 10 1/2

Dec. 13, 1907 | 14480 | 37574 | | | Mb | CDM -51° 5314 | 11 0.2 | -51

10

Objects of Interest on Southern Spectrum Plates

Date	No.	Plate	V	H	Object	Design.	RA	Dec.	Magn.
Dec. 13, 1907	14465	37574			Mb	CPD -56° 3935	10 47.0	-56 15.6	9.6
"	14466	"			Mc	CPD -55° 3876	10 43.9	-55 56.6	9.6
"	14467	"			Mb	CPD -55° 3855	10 42.8	-55 0.0	10.0
"	14468	"			Mb	CPD -55° 3919	10 46.4	-55 3.5	10.1
"	14469	"			Mb	CPD -5 [[strikethrough]] 4 [[/strikethrough]] 5° 4075	10 56.8	-54 14.4	9.3
"	14470	"			Mb	CPD -55° 4176	11 4.3	-55 20.8	10.0
"	14471	"			Na	Announced 1900 pos.	11 16.8	-55 13	
"	14472	"			Ma	CPD -54° 4516	[[strikethrough]] 10 [[/strikethrough]] 11 18.7	-54 27.1	9.4
"	14473	"			Na	Z.C. 11^h 129 (1900)	11 2.9	-54 35 (1900)	
"	14474	"			Mb	CPD -54° 4020	10 [[strikethrough]] 47.2 [[/strikethrough]] 40.7	-54 4.2	9.6
"	14475	"			Br. Lines	Announced 1900 pos.	10 58.3	-53 51	
"	14476	"			Mb	CPD -53° 4068	10 37.0	-53 4.1	9.8
"	14477	"			Na	Announced 1900 pos.	10 48.6	-52 54	
"	14478	"			Mb	CPD -52° 3863	10 39.0	-52 26.2	9.2
"	14479	"			Mb	[[strikethrough]] CPD -52° 4048	10 52.0	-52 26.7	10.2 [[/strikethrough]] CDM -52° 4068
"	14480	"			Mb	CDM -51° 5314	11 0.2	-51	
"	14481	"			Mb	CPD -51° 5314	11 0.2	-51	
"	14482	"			Mb	CPD -51° 5314	11 0.2	-51	
"	14483	37760			Ma	CPD -49° 4739	10 51.9	-49 26.2	9.6
"	14484	"			Mb	CPD -49° 4739	10 51.9	-49 26.2	9.6
"	14485	"			Mb	CPD -49° 4739	10 51.9	-49 26.2	9.6
"	14486	"			Mb	CPD -49° 4739	10 51.9	-49 26.2	9.6
"	14487	"			Mb	CPD -49° 4739	10 51.9	-49 26.2	9.6
"	14488	"			Mb	CPD -49° 4739	10 51.9	-49 26.2	9.6
"	14489	"			Mb	CPD -49° 4739	10 51.9	-49 26.2	9.6
"	14490	"			Mb	CPD -49° 4739	10 51.9	-49 26.2	9.6
"	14491	"			Mb	CPD -49° 4739	10 51.9	-49 26.2	9.6
"	14492	"			Mb	CPD -49° 4739	10 51.9	-49 26.2	9.6

Bright stars were under great lens

12.9 | 9.2

Dec. 13, 1907 | 14481 | 37574 | | | Mb | CDM -50° 5655 | 10 59.0 | -50
32.7 | 8.9

Dec. 13, 1907 | 14482 | 37574 | | | Ma | CDM -49° ~~3~~
~~5591~~ | 10 45.2 | -49 56.6 | 8.6

Dec. 13, 1907 | 14483 | 37760 | | | Mb | -18 4196 | 15 47.3 | -18 22 |
8.6

Dec. 13, 1907 | 14484 | 37760 | | | Mb | -19 4218 | 15 39.5 | -19 15 |
8.8

Dec. 13, 1907 | 14485 | 37760 | | | Mb | -19 4226 | 15 40.6 | -19 22 |
8.7

Dec. 13, 1907 | 14486 | 37760 | | | Mb | -20 4329 | 15 40.5 | -20 0 | 7.7

Dec. 13, 1907 | 14487 | 37760 | | | Mb | -20 4355 | 15 46.3 | -20 23 | 8.3

Dec. 13, 1907 | 14488 | 37761 | | | Mb | CDM -32° 10624 | 15 1.6 | -
32° 22.0 | 7.8

Dec. 13, 1907 | 14489 | 37761 | | | Mb | CDM -31° 11896 | 15 14.4 | -
31 44.4 | 7.2

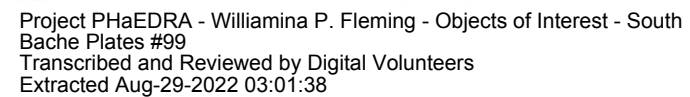
Dec. 13, 1907 | 14490 | 37761 | | | Mb | CDM -28° 11301 | 15 14.1 | -
28 14.2 | 9.9

Dec. 13, 1907 | 14491 | 37761 | | | Mb | CDM -26° 10860 | 15 17.7 | -
26 18.9 | 7.9

Dec. 13, 1907 | 14492 | 37761 | | | Mb | CDM -23° 12359 | 24.9 | -23
27.4 | 7.2

Bright star was under circle line.

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[illegible]

Objects of Interest on Southern Spectrum Plates
[[10 column table]]

Date | No. | Plate | V | H | Object | Design. | RA | Dec. | Magn.

Dec. 13 1907 | 14493 | 37908 broken | | | Ma | (see note) CDM -44°
9421 | 14 24.7 | -44 32.9 | 8.9

Dec. 13 1907 | 14494 | 37908 | | | Mb | CDM -45° 9592 | 14 53.3 | -45
19.6 | 8.5

Dec. 13 1907 | 14495 | 37908 | | | Ma | CDM -46° ~~9863~~ ~~9864~~ | 15 3.3 | -46 ~~17.6~~ | 9.8
~~16.6~~ | 8.3

Dec. 13 1907 | 14496 | 37908 | | | Ma | CDM -41° 9021 | 14 32.7 | -41
40.1 | 7.5

Dec. 13 1907 | 14497 | 37908 | | | Ma | CDM -41° 9512 | 14 59.9 | -41
42.7 | 8.0

Dec. 13 1907 | 14498 | 37908 | | | Mb5c | CDM -40° 9243 | 14 56.6 | -
40 21.9 | 7.0

Dec. 13 1907 | 14499 | 37909 | | | Mb | CDM -50° 887
~~1~~ ~~0~~ | 14 43.9 | -50 ~~10.0~~
~~3.9~~ | 7.8

Dec. 13 1907 | 14500 | 37909 | | | Ma | CDM -50° 9527 | 15 23.2 | -50
26.4 | 7.6

Dec. 13 1907 | 14501 | 37909 | | | Mb | CDM -48° 9954 | 15 18.3 | -48
0.8 | 8.2

Dec. 13 1907 | 14502 | 37909 | | | Mb | CDM ~~9864~~ -46°
9864 | 15 3.3 | -46 16.6 | 8.3? ~~9863~~ | 15 3.3 | -46
17.6 | 9.8 see note

Dec. 13 1907 | 14503 | 37909 | | | Ma | CDM -43° 9597 | 14 56.3 | -43
24.0 | 8.4

Dec. 16 1907 | 14504 | 37567 | | | Mb | +8 2562 | 11 55.2 | +8 53 | 8.2

Dec. 16 1907 | 14505 | 37567 | | | Ma | +8 2573 | 12 2.4 | +8 58 | 9.0

Dec. 16 1907 | 14506 | 37567 | | | Mb | +11 2436 | 12 5.4 | +11 55 |
8.2

Dec. 16 1907 | 14507 | 37567 | | | Mb | +12 2448 | 12 12.5 | +12 24 |
8.1

January 7 1908 | 14508 | 38062 | | | Ma | DM -22° 4562 | 17 58.1 | -

19

Objects of Interest on Southern Spectrum Plates

Date	No.	Plate	V	H	Object	Design.	RA	Dec.	Magn.
Dec. 13 1907	14493	37908 broken			Ma	(see note)	CDM -44°		
	9421				Mb	CDM -45°	9592	14 53.3	-45 19.6 8.5
	14494				Ma	CDM -46°	9863 9864	15 3.3 -46 17.6 9.8 16.6 8.3	
	14495				Ma	CDM -41°	9021	14 32.7	-41 40.1 7.5
	14497				Ma	CDM -41°	9512	14 59.9	-41 42.7 8.0
	14498				Mb5c	CDM -40°	9243	14 56.6	-40 21.9 7.0
	14499	37909			Mb	CDM -50°	887		1 0 14 43.9 -50 10.0 3.9 7.8
	14500				Ma	CDM -50°	9527	15 23.2	-50 26.4 7.6
	14501				Mb	CDM -48°	9954	15 18.3	-48 0.8 8.2
	14502				Mb	CDM 9864 -46°	9864	15 3.3 -46 16.6 8.3? 9863 15 3.3 -46 17.6 9.8 see note	
	14503				Ma	CDM -43°	9597	14 56.3	-43 24.0 8.4
Dec. 16 1907	14504	37567			Mb	+8 2562	11 55.2	+8 53 8.2	
	14505				Ma	+8 2573	12 2.4	+8 58 9.0	
	14506				Mb	+11 2436	12 5.4	+11 55 8.2	
	14507				Mb	+12 2448	12 12.5	+12 24 8.1	
January 7 1908	14508	38062			Ma	DM -22°	4562	17 58.1	-
	14509				Re. line	DM -19°	17 58.1	-19 3.0 8.7	
	14510				Ma	DM -17°	17 58.1	-17 19.6 8.2	
	14511				Re. line	DM -17°	17 58.1	-17 19.6 8.2	
	14512				Re. line	DM -17°	17 58.1	-17 19.6 8.2	
	14513				Ma	DM -17°	17 58.1	-17 19.6 8.2	
	14514				Ma	DM -17°	17 58.1	-17 19.6 8.2	
	14515				Mb	DM -17°	17 58.1	-17 19.6 8.2	
	14516				Mb	DM -17°	17 58.1	-17 19.6 8.2	
	14517				Mb	DM -17°	17 58.1	-17 19.6 8.2	
	14518	38063			Mb	DM -22°	4562	17 58.1	-22 45.6 8.2
	14519				Mb	DM -22°	4562	17 58.1	-22 45.6 8.2
	14520				Mb	DM -22°	4562	17 58.1	-22 45.6 8.2

22 3.1 | 8.4

January 7 1908 | 14509 | 38062 | | | Br. lines | DM -21° 4864 | 17 59.8
| -21 15.7 | 7.8

January 7 1908 | 14510 | 38062 | | | Ma | DM -19° 4708 | 17 40.1 | -
19 43.2 | 8.3

January 7 1908 | 14511 | 38062 | | | Br. lines | DM -19° 4854 | 17 59.4
| -19 24.8 | 9.6

January 7 1908 | 14512 | 38062 | | | Br. lines | Announced 1900 pos.
18 7.8 | -19 6 | NGC 6567

January 7 1908 | 14513 | 38062 | | | Ma | DM -18° 4799 | 17 59.9 | -
18 34.0 | 7.4

January 7 1908 | 14514 | 38062 | | | Na | DM -18° 4634 | 17 36.4 | -18
35.7 | 8.5

January 7 1908 | 14515 | 38062 | | | Mb | DM -17° 4996 | 17 53.9 | -
17 7.5 | 9.0

January 7 1908 | 14516 | 38062 | | | Mb | DM -15° 4775 | 17 53.0 | -
15 20.6 | 8.2

January 7 1908 | 14517 | 38062 | | | Mb | -13° 4741 | 17 37.6 | -13
57.6 | 8.0

January 7 1908 | 14518 | 38063 | | | Md9 | -22 4958 | 18 55.0 | -22 55
| 8.5

January 7 1908 | 14519 | 38063 | | | Mb | -19 5154 | 18 37.5 | -19 45 |
6.8

January 7 1908 | 14520 | 38063 | | | Mb | -19 5134 | 18 34.4 | -19 25 |
6.5

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Plate broken across this star. ~~is~~ ~~iden. to correct~~ I have taken right star.

Type III

Type III

"Brighter star only." Type III

Type III

Type III

Type III

Type III

Type III

Type III Brighter star marked.

Type III C.D.M. -46° 9864, 8.3, superposed. Marked by Mrs. F on B 34122, fainter, southern star to be identified

Type III

Type III

Type III

Type III

Type III

Type III

Type V Known

Type III

Type V Known

Type V ? Known as Gas. neb.

Type III

Known Type IV IV Var. ~~?~~ New though suspected before by Birmingham

Type III

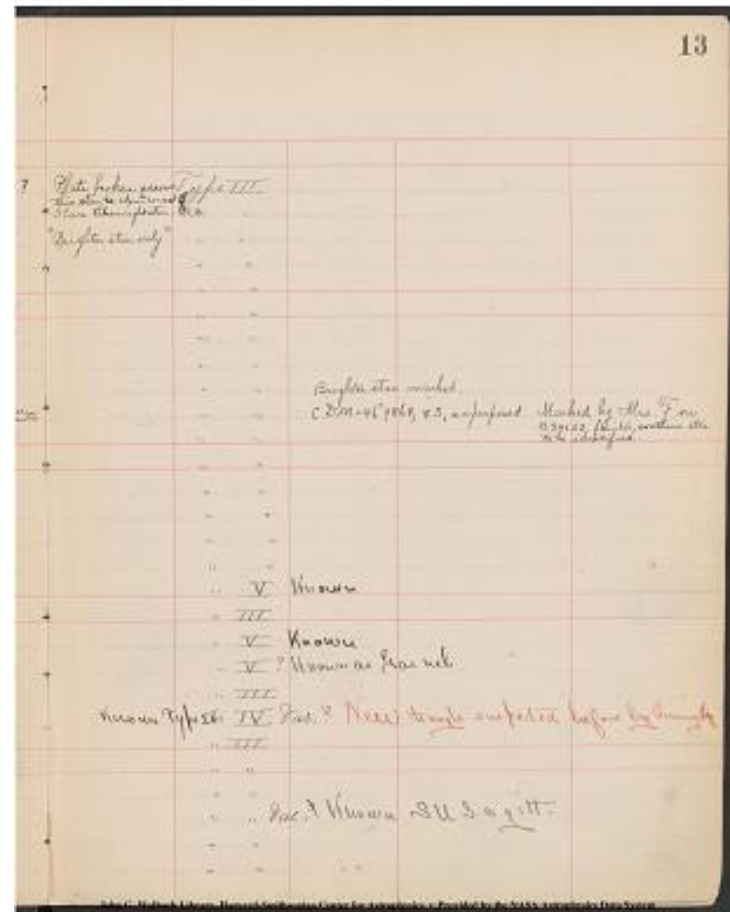
Type III

Type III

Type III Var ~~?~~ Known SU Sagitt.

Type III

Type III



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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date | No. | Plate | V | H | Object | Design. | RA | Dec. | Magn.

January 7 1908 | 14521 | 38063 | | | Ma | -18 5201 | 18 57.6 | -18 23 | 9.0

January 7 1908 | 14522 | 38063 | | | Ma | -16 ~~5074~~ | 18 46.5 | -16 42 | 8.2 ~~5084~~ | 18 47.7 | 16 45 | 9.0January 7 1908 | 14523 | 38063 | | | Mb5c | -16 ~~5084~~ | 18 47.7 | -16 45 | 9.0 ~~5074~~ | 18 46.5 | 16 42 | 8.2January 7 1908 | 14524 | 38064 | | | Ma | -16 5183 | 19 ~~1.9~~ | -16 31.5 | 9.0

January 7 1908 | 14525 | 38064 | | | Ma | -16 5198 | 19 3.9 | -16 31.6 | 8.8

January 7 1908 | 14526 | 38064 | | | Na | -16 5272 | 19 10.9 | -16 10.2 | 6.8

January 7 1908 | 14527 | 38064 | | | Mb | -16 5310 | 19 18.3 | -16 11.2 | 9.0

January 7 1908 | 14528 | 38064 | | | Mb | -14 5291 | 18 59.4 | -14 31.1 | 9.5

January 7 1908 | 14529 | 38064 | | | Ma | -12 | 38079 | | | 5399 | 19 18.2 | -12 51.8 | 9.0

January 7 1908 | 14530 | 38064 | | | Ma | -12 | 38079 | | | 5398 | 19 18.2 | -12 34.4 | 8.9

January 7 1908 | 14531 | 38064 | | | Pec. | -10 5057 | 19 15.2 | -10 58.6 | 7.0

January 7 1908 | 14532 | 38064 | | | Mb | -10° 5035 | 19 12.4 | -10 49.3 | 7.3

January 7 1908 | 14533 | 38064 | | | Mb | ~~-10° 5057~~ | 19 15.2 | -10 58.6 | 7.0 ~~-10 4876~~ | 18 48.5 | -10 42.4 | 9.0

January 7 1908 | 14534 | 38065 | | | Mb | -12 5523 | 19 38.4 | -12 14 | 8.0

January 7 1908 | 14535 | 38065 | | | Mb | -7 5026 | 19 32.6 | -7 56 |

14

Objects of Interest on Southern Spectrum Plates

Date	No.	Plate	V	H	Object	Design.	RA	Dec.	Magn.
January 7 1908	14521	38063			Ma	-18 5201	18 57.6	-18 23	9.0
January 7 1908	14522	38063			Ma	-16 5074	18 46.5	-16 42	8.2 5084
January 7 1908	14523	38063			Mb5c	-16 5084	18 47.7	-16 45	9.0 5074
January 7 1908	14524	38064			Ma	-16 5183	19	-16 31.5	9.0
January 7 1908	14525	38064			Ma	-16 5198	19 3.9	-16 31.6	8.8
January 7 1908	14526	38064			Na	-16 5272	19 10.9	-16 10.2	6.8
January 7 1908	14527	38064			Mb	-16 5310	19 18.3	-16 11.2	9.0
January 7 1908	14528	38064			Mb	-14 5291	18 59.4	-14 31.1	9.5
January 7 1908	14529	38064			Ma	-12 38079			5399 19 18.2 -12 51.8 9.0
January 7 1908	14530	38064			Ma	-12 38079			5398 19 18.2 -12 34.4 8.9
January 7 1908	14531	38064			Pec.	-10 5057	19 15.2	-10 58.6	7.0
January 7 1908	14532	38064			Mb	-10° 5035	19 12.4	-10 49.3	7.3
January 7 1908	14533	38064			Mb	-10° 5057	19 15.2	-10 58.6	7.0 -10 4876
January 7 1908	14534	38065			Mb	-12 5523	19 38.4	-12 14	8.0
January 7 1908	14535	38065			Mb	-7 5026	19 32.6	-7 56	

9.1

January 7 1908 | 14536 | 38065 | | | Ma | -4 4858 | 19 29.5 | -4 52 |
8.5

January 7 1908 | 14537 | 38065 | | | Mb | -4 4880 | 19 33.5 | -4 15 |
8.0

January 7 1908 | 14538 | 38078 | | | Mb | -17 4771 | 17 11.1 | -17 57 |
8.5

January 7 1908 | 14539 | 38078 | | | Cont. | -17 4794 | 17 15.1 | -17 40
| neb.

January 7 1908 | 14540 | 38078 | | | Ma | -17 4844 | 17 25.0 | -17 12 |
9.2

January 7 1908 | 14541 | 38078 | | | Ma | -11 4390 | 17 22.2 | -11 30 |
8.5

January 7 1908 | 14542 | 38079 | | | Na | DM -16° 4904 | 18 22.0 | -16
59.5 | 9.8

January 7 1908 | 14543 | 38079 | | | Ma | DM -16° 4809 | 18 11.0 | -16
48.1 | 9.3

January 7 1908 | 14544 | 38079 | | | Ma | DM -16° 4807 | 18 10.7 | -16
25.9 | 9.0

January 7 1908 | 14545 | 38079 | | | ~~Md?~~ | not marked
on plate Nov. 10, 1908 ~~[[/strikethrough]]~~

January 7 1908 | 14546 | 38079 | | | Br. lines | DM -16° 4820 | 18 12.4
| -16 13.6 | neb.

January 7 1908 | 14546a | 38079 | | | Pec. | DM -15° 4923 | 18 11.0 | -
15 39.8 | 9.0

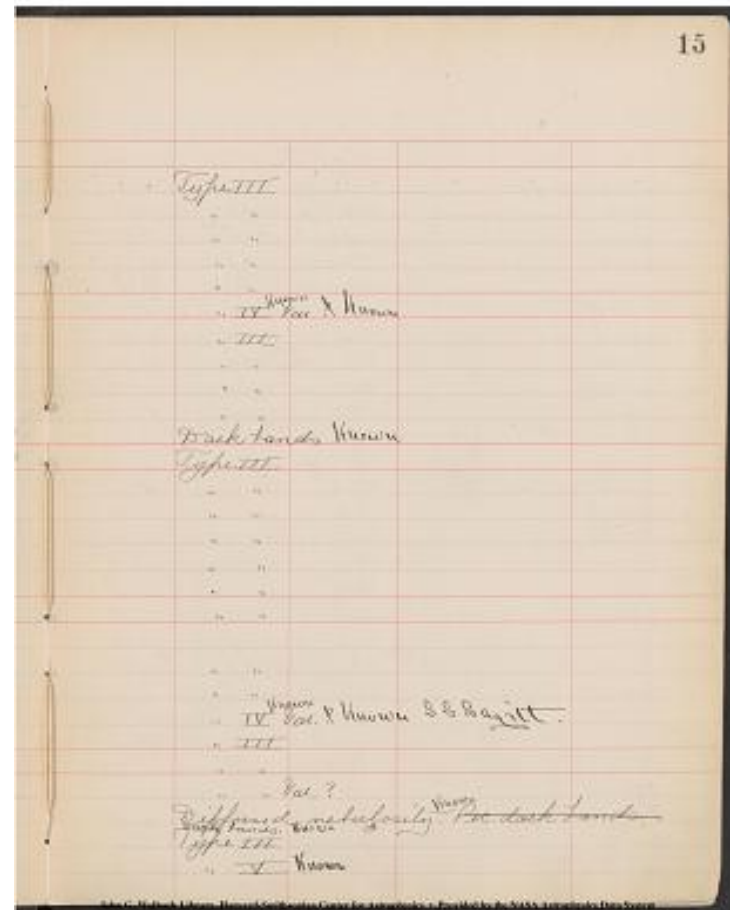
January 7 1908 | 14547 | 38079 | | | Ma | DM -15° 5076 | 18 35.5 | -15
24.5 | 8.7

January 7 1908 | 14548 | 38079 | | | Br. lines | DM -11° 4593 | 18 11.0
| -11 41.3 | 8.7

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Type III
 Type III
 Type III
 Type III
 Type III
 Type IX known Var. ~~?~~ ~~?~~ Known
 Type III
 Type III
 Type III
 Type III
 Dark bands Known
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III

Type III
 Type III
 Type IV Known Var ~~?~~ ~~?~~ known.
 Type III
 Type III
 Type III Var.?
 Diffused nebulosity. ^{Known} ^{Pec. dark}
 bands. ~~?~~
^{Dark bands. Known}
 Type III
 Type V Known

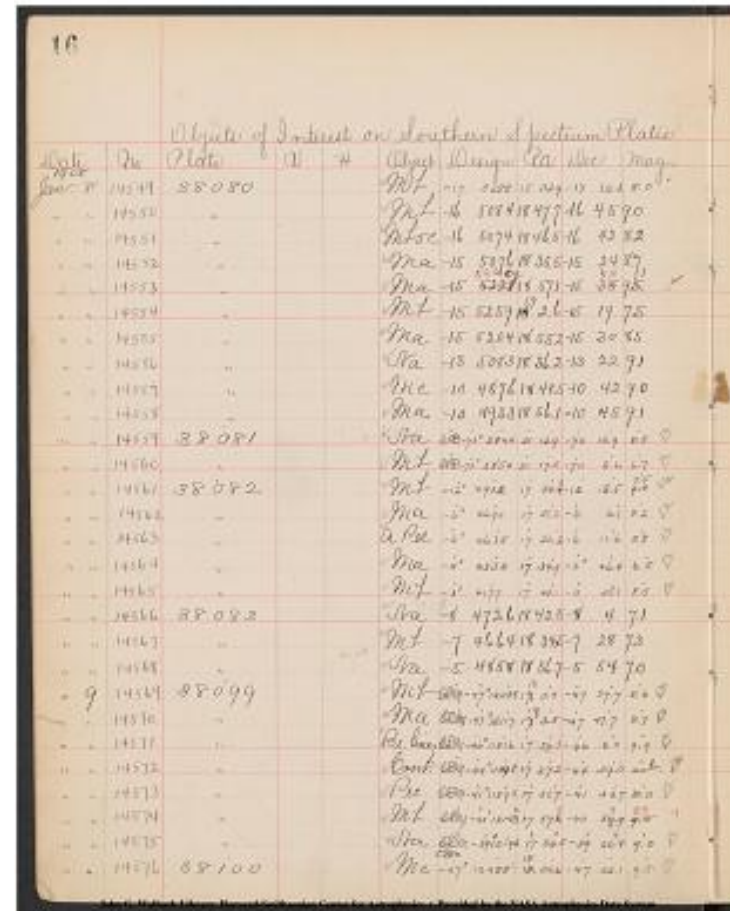


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Objects of interest on Southern Spectrum Plates

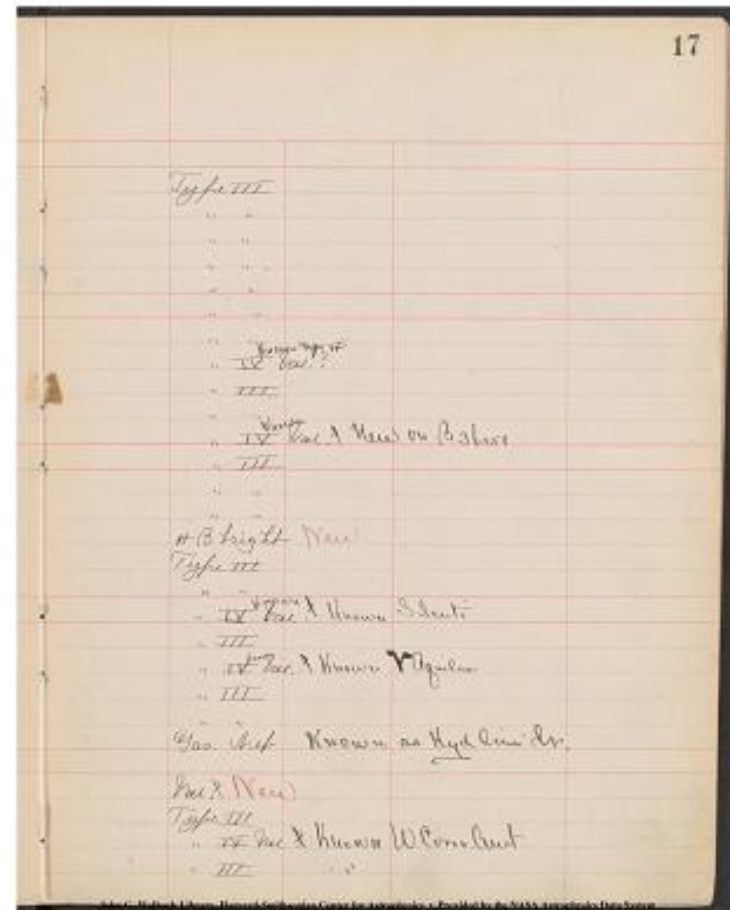
[[10 column table]]

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Jan 8, 1908	14549	38080			Mb	-17 5288	18 32.9	-17 12.3	8.0
Jan 8, 1908	14550	38080			Mb	-16 5084	18 47.7	9.0	
Jan 8, 1908	14551	38080			Mb5c	-16 5074	18 46.5	-16 42	8.2
Jan 8, 1908	14552	38080			Ma	-15 5076	18 35.5	-15 24	8.7
Jan 8, 1908	14553	38080			Ma	-15 5076			5221
Jan 8, 1908	14554	38080			Mb	-15 5259			43 9.1
Jan 8, 1908	14555	38080			Ma	-15 5204	18 55.2	-15 30	8.5
Jan 8, 1908	14556	38080			Na	-13 5083	18 36.2	-13 22	9.1
Jan 8, 1908	14557	38080			Mc	-10 4876	18 48.5	-10 42	9.0
Jan 8, 1908	14558	38080			Ma	-10 4933	18 56.1	-10 45	9.1
Jan 8, 1908	14559	38081			Na	CPD -70° 2844	21 12.9	-70 15.9	8.5
Jan 8, 1908	14560	38081			Mb	CPD -70° 2850	21 17.5	-70 2.6	6.7
Jan 8, 1908	14561	38082			Mb	-12° 4902	17 54.		
Jan 8, 1908	14562	38082			Ma	-6° 4690	17 51.6	-6 6.1	8.2
Jan 8, 1908	14563	38082			A Pec.	-6° 4638	17 36.2	-6 11.6	8.8
Jan 8, 1908	14564	38082			Ma	-4° 4322	17 34.9	-4° 46.4	6.5
Jan 8, 1908	14565	38082			Mb	-3° 4177	17 40.1	-3 35.1	8.5
Jan 8, 1908	14566	38083			Na	-8 4726	18 42.5	-8 4	7.1
Jan 8, 1908	14567	38083			Mb	-7 4664	18 34.5	-7 28	7.3
Jan 8, 1908	14568	38083			Na	-5 4858	18 56.7	-5 54	7.0
Jan 9, 1908	14569	38099			Mb	CDM -47° 12085			1
Jan 9, 1908	14570	38099			Ma	CDM -47° 12117			1
Jan 9, 1908	14571	38099			Br. lines	CDM -46° 11816	17 36.3	-46 2.0	9.9
Jan 9, 1908	14572	38099			Cont.	CDM -44° 11898	17 27.2	-44 39.0	neb.
Jan 9, 1908	14573	38099			Pec.	CDM -41° 11893	17 31.7	-41 33.7	8.0
Jan 9, 1908	14574	38099			Mb	CDM -40° 1214			3 2
Jan 9, 1908	14575	38099			Na	CDM -39° 12196	17 56.5	-39 20.4	9.0
Jan 9, 1908	14576	38100			Mc	-47° 12488	18 34.6	-47 22.1	9.5



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Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type IV Known Type IV
 Type IV Var. ?
 Type III
 Type III
 Type IV Known Var. New on B 36151
 Type III
 Type III
 Type III
 H bright New
 Type III
 Type III
 Type IV Known Var. ? Known S Scuti
 Type III
 Type IV Known Var. ? Known V Aquilae
 Type III
 Type III
 Gas. Neb. Known as Hyd line br.
 Var? New
 Type III
 Type IV Var ? Known W Coron. Aust
 Type III



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Objects of Interest on Southern Spectrum Plates

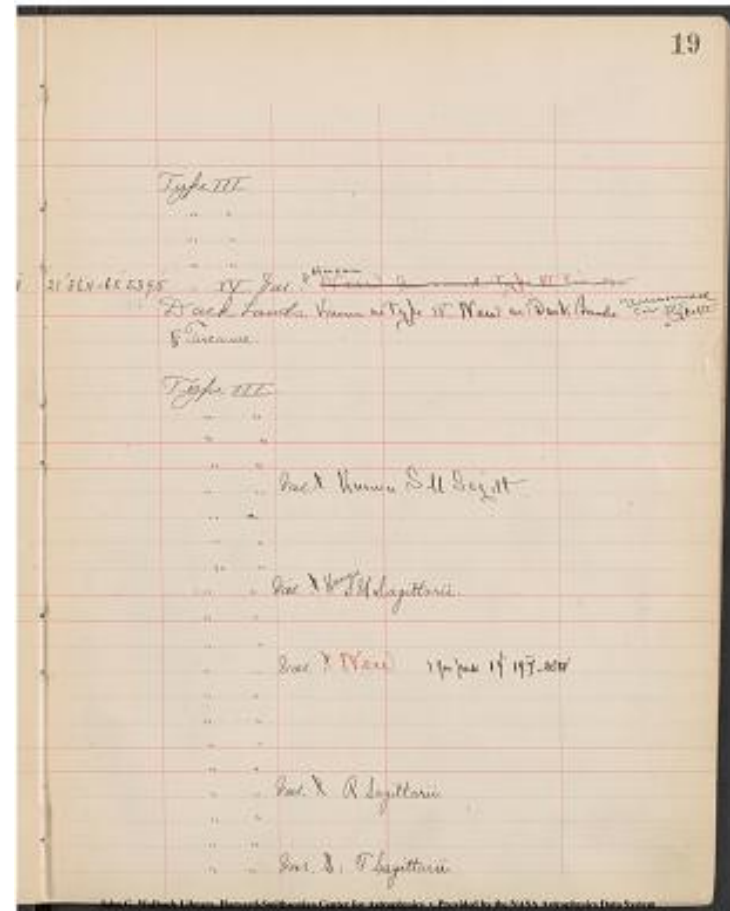
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Date	No.	Plate	V	H	Object	Design	RA	Dec.	Magn
Jan. 9 1908	14577	38100			Ma	-46 12875	19 4.8	-46 12.4	9.3
Jan. 9 1908	14578	38100			Ma	-46 12809	18 57.8	-46 9.2	8.2
Jan. 9 1908	14579	38100			Mb	-45 12699	18 34.1	-45 53.8	9.1
Jan. 9 1908	14580	38100			Ma	-42° 13854	18 54.2	-42 40.0	9.0
Jan. 9 1908	14581	38102			Na	not catalogue star			
Jan. 9 1908	14582	38102			Pec.	(Est. 1900) 21 39 -65.8		Z.C. 21^h 1131	
Jan. 9 1908	14583	38103			Comp.	A.G.C. 322	0 19.6	-72 39 4 1/2	
Jan. 9 1908	14584	38103			Cont.	A.G.C. 994	0 59.9	-71 23	neb
Jan. 9 1908	14585	38104			Mb	-27° 11801	17 33.0	-27 19.5	8.0
Jan. 9 1908	14586	38105			Ma	-28° 14955	18 37.7	-28 1.8	9.4
Jan. 9 1908	14587	38105			Mb	-26° 13786	18 58.		
Jan. 9 1908	14588	38105			Ma	-25° 13661	18 55.1	-25 16.3	8.6
Jan. 9 1908	14589	38105			Mc5d	-22 4958	18 55.0	-22 55	8.5
Jan. 9 1908	14590	38105			Mb	-19 5134	18 34.4	-19 25	6.5
Jan. 9 1908	14591	38105			Mb	-19 5250	18 50.0	-19 22	8.8
Jan. 9 1908	14592	38105			Mb	-19 5255	18 50.9	-19 28	7.0
Jan. 9 1908	14593	38106			Mc5d	-22° 4958	18 55.0	-22 54.8	
Jan. 9 1908	14594	38106			Mb5c	-20° 5431	19 3.3	-20 31.8	9.4
Jan. 9 1908	14595	38106			Ma	-20 5525	19 15.3	-20 29.0	9.0
Jan. 9 1908	14596	38106			Md5	(Est. 1855)	19 17.1	-20 23	
Jan. 9 1908	14597	38106			Ma	-20° 5566	19 20.		
Jan. 9 1908	14598	38106			Ma	-20° 5572	19 20.7	-20 2.5	9.3
Jan. 9 1908	14599	38106			Mb	-20° 5577	19 21.7	-20 1.0	9.1
Jan. 9 1908	14600	38106			Mb	-19 5388	19 9.8	-19 37.0	8.5
Jan. 9 1908	14601	38106			Md7	-19 5367	19 8.2	-19 33.7	var.
Jan. 9 1908	14602	38106			Mb5c	-18 5311	19 12.		
Jan. 9 1908	14603	38106			Ma	-17° 5501	19 1.		
Jan. 9 1908	14604	38106			Md2	-17° 5546	19 7.9	-17 13.2	var.

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Type III
Type III
Type III
Type III
21 36.4 -65 53 9.5 Type IV Var. ? Known
Dark Bands. Known as Type IV New as "Dark Bands" Announced Cir.
1115 Type VI
ksi Tucanae

Type III
Type III
Type III
Type III
Type III Var? Known SU Sagitt
Type III
Type III
Type III Var? Known SU Sagittarii
Type III
Type III
Type III Var? New 1900 pos. 19^h 19.7^m -20° 18
Type III
Type III
Type III
Type III Var. ? T Sagittarii



Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
Bache Plates #99
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Objects of Interest on Southern Spectrum Plates.

[[10 columned table]]

[Date][No.][Plate][V][H][Object][Design][RA][Dec][Magn.]

Date	No.	Plate	V	H	Object	Design	RA	Dec	Magn.
Jan. 9	14605	14605	19	12.2	-17 5588	19 12.2	-17 18.3	8.1	
Jan. 9	14606	38106			Mb	-17° 5603	19 14.4	-17 28.2	9.4
Jan. 9	14607	38106			Ma	not catalogued	19 15.7	-17 15.7	
Jan. 9	14608	38106			Mb	-16 5324	19 20.	-16 25.4	9.0
Jan. 9	14609	38106			Na	-16° 5272	19 10.	-16 52.7	8.0
Jan. 9	14610	38106			Mb	DM -16 5198	19 3.9	-16 31.6	8.8
Jan. 9	14611	38106			Mb	DM -16 5183	19 2.0	-16 31.5	9.0
Jan. 9	14612	38106			Mb	DM -15 5169	18 51.7	-15 56.6	9.0
Jan. 9	14613	38106			Ma	DM -14 5291	18 59.4	-14 31.1	9.5
Jan. 9	14614	38106			Mg	DM -1	-13 42.9	-13 42.9	7.9
Jan. 9	14615	38109			Mg	CDM -42° 11627	16 44.8	-42 50.0	6.6
Jan. 9	14616	38109			Mg	CDM -42° 11518	16 37.6	-42 3.4	9.1
Jan. 9	14617	38109			Br. line	CDM -41° 11041	16 45.6	-41 36.0	8.0
Jan. 9	14618	38109			Br. line	CDM -40° 11127	16 56.4	-40 42.3	9.9
Jan. 9	14619	38109			Ma	CDM -40° 10920	16 46.3	-40 22.4	8.0
Jan. 9	14620	38109			Mb	CDM -40° 10892			
Jan. 9	14621	38109			Mc	5d CDM -41° 11041			
Jan. 9	14622	38109			Mb	CDM -38° 11363	16 49.3	-38 55.3	7.2
Jan. 9	14623	38109			Ma	CDM -38° 11490	16 55.5	-38 53.5	7.7
Jan. 9	14624	38147			Ma	CDM -41° 14682	21 46.6	-41 50.9	7.7
Jan. 9	14625	38147			Mb	CDM -38° 15029	22 16.4	-38 34.1	9.1
Jan. 9	14626	38147			Mb	5c CDM -36° 15166	21 17.6	-36 7.5	7.5
Jan. 9	14627	38147			Mb	CDM -35° 15163	22 15.4	-35 10.2	7.1
Jan. 9	14628	38147			Mb	CDM -34° 15497	22 10.0	-34 25.1	8.0
Jan. 9	14629	38147			Mb	5c CDM -33° 15930	22 1.6	-33 6.3	8.0
Jan. 9	14630	38147			Ma	CDM -33° 15954	22 4.9	-33 9.1	8.0
Jan. 9	14631	38148			Md	7 (Est. 1900)	0 54.2	-75 32	
Jan. 9	14632	38148			Mb	[[[?]]]	1 5.		

20

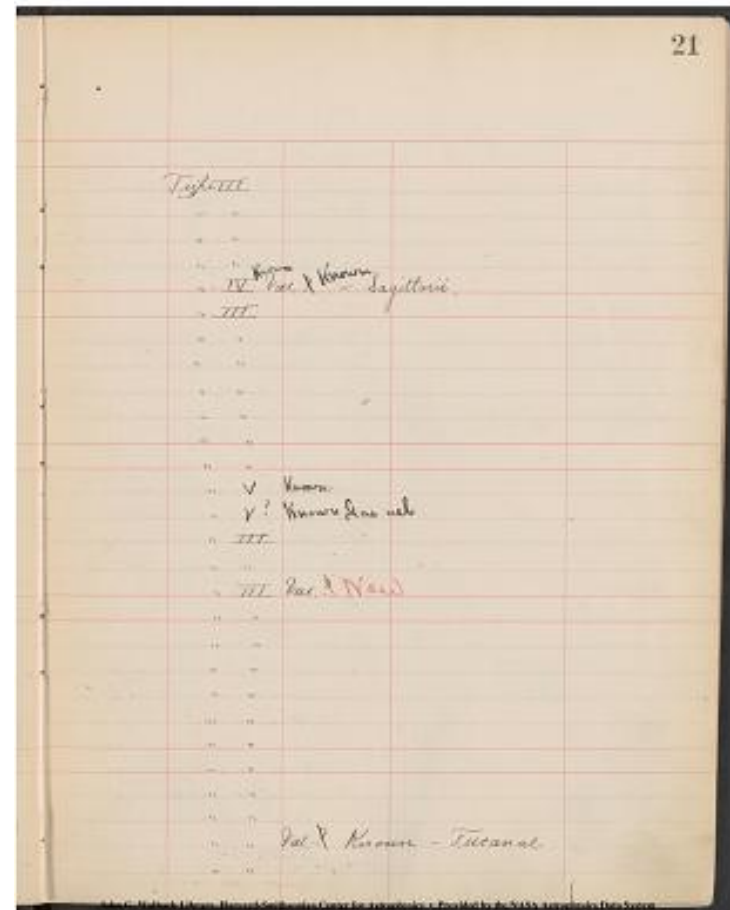
Objects of Interest on Southern Spectrum Plates

Date	No.	Plate	V	H	Object	Design	RA	Dec	Magn.
Jan. 9	14605	14605	19	12.2	-17 5588	19 12.2	-17 18.3	8.1	
Jan. 9	14606	38106			Mb	-17° 5603	19 14.4	-17 28.2	9.4
Jan. 9	14607	38106			Ma	not catalogued	19 15.7	-17 15.7	
Jan. 9	14608	38106			Mb	-16 5324	19 20.	-16 25.4	9.0
Jan. 9	14609	38106			Na	-16° 5272	19 10.	-16 52.7	8.0
Jan. 9	14610	38106			Mb	DM -16 5198	19 3.9	-16 31.6	8.8
Jan. 9	14611	38106			Mb	DM -16 5183	19 2.0	-16 31.5	9.0
Jan. 9	14612	38106			Mb	DM -15 5169	18 51.7	-15 56.6	9.0
Jan. 9	14613	38106			Ma	DM -14 5291	18 59.4	-14 31.1	9.5
Jan. 9	14614	38106			Mg	DM -1	-13 42.9	-13 42.9	7.9
Jan. 9	14615	38109			Mg	CDM -42° 11627	16 44.8	-42 50.0	6.6
Jan. 9	14616	38109			Mg	CDM -42° 11518	16 37.6	-42 3.4	9.1
Jan. 9	14617	38109			Br. line	CDM -41° 11041	16 45.6	-41 36.0	8.0
Jan. 9	14618	38109			Br. line	CDM -40° 11127	16 56.4	-40 42.3	9.9
Jan. 9	14619	38109			Ma	CDM -40° 10920	16 46.3	-40 22.4	8.0
Jan. 9	14620	38109			Mb	CDM -40° 10892			
Jan. 9	14621	38109			Mc	5d CDM -41° 11041			
Jan. 9	14622	38109			Mb	CDM -38° 11363	16 49.3	-38 55.3	7.2
Jan. 9	14623	38109			Ma	CDM -38° 11490	16 55.5	-38 53.5	7.7
Jan. 9	14624	38147			Ma	CDM -41° 14682	21 46.6	-41 50.9	7.7
Jan. 9	14625	38147			Mb	CDM -38° 15029	22 16.4	-38 34.1	9.1
Jan. 9	14626	38147			Mb	5c CDM -36° 15166	21 17.6	-36 7.5	7.5
Jan. 9	14627	38147			Mb	CDM -35° 15163	22 15.4	-35 10.2	7.1
Jan. 9	14628	38147			Mb	CDM -34° 15497	22 10.0	-34 25.1	8.0
Jan. 9	14629	38147			Mb	5c CDM -33° 15930	22 1.6	-33 6.3	8.0
Jan. 9	14630	38147			Ma	CDM -33° 15954	22 4.9	-33 9.1	8.0
Jan. 9	14631	38148			Md	7 (Est. 1900)	0 54.2	-75 32	
Jan. 9	14632	38148			Mb	[[[?]]]	1 5.		

5.3]] ~~-73~~^{7.7}~~^[-73 18]]~~
| | | | | ~~CPD -73 63~~ 1 1.4 -73 13 8.0
~~]]~~

Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
Bache Plates #99
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Type III
 Type III
 Type III
 Type III
 Type IV Known var. Known -Sagittarii
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type V Known
 Type V ? Known gas. neb.
 Type III
 Type III
 Type III Var. New
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III Var. Known -Tucanae
 Type III



Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
 Bache Plates #99
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Objects of Interest on Southern Spectrum Plates

[illegible]

June 9 1927 37.148° 105.599° W 23 miles
and 21.20 105.599° W 23.00

[illegible]

1946	38° 15' 0"	72° 30' 0"	11.00
------	------------	------------	-------

10	1907	37.11	1/2 3m 1" 4/16 11 1/8 1" 1/2 1/2
----	------	-------	----------------------------------

$\frac{d}{dt} \left(\frac{1}{r^2} \right) = -\frac{2}{r^3} \frac{dr}{dt}$

$\frac{d}{dt} \left(\frac{1}{r^2} \right) = -\frac{2}{r^3} \frac{dr}{dt}$

[illegible]

1941/2 1942/3 1943/4 1944/5 1945/6 1946/7 1947/8 1948/9 1949/0 1950/1 1951/2 1952/3 1953/4 1954/5 1955/6 1956/7 1957/8 1958/9 1959/0 1960/1 1961/2 1962/3 1963/4 1964/5 1965/6 1966/7 1967/8 1968/9 1969/0 1970/1 1971/2 1972/3 1973/4 1974/5 1975/6 1976/7 1977/8 1978/9 1979/0 1980/1 1981/2 1982/3 1983/4 1984/5 1985/6 1986/7 1987/8 1988/9 1989/0 1990/1 1991/2 1992/3 1993/4 1994/5 1995/6 1996/7 1997/8 1998/9 1999/0 2000/1 2001/2 2002/3 2003/4 2004/5 2005/6 2006/7 2007/8 2008/9 2009/0 2010/1 2011/2 2012/3 2013/4 2014/5 2015/6 2016/7 2017/8 2018/9 2019/0 2020/1 2021/2 2022/3 2023/4 2024/5 2025/6 2026/7 2027/8 2028/9 2029/0 2030/1 2031/2 2032/3 2033/4 2034/5 2035/6 2036/7 2037/8 2038/9 2039/0 2040/1 2041/2 2042/3 2043/4 2044/5 2045/6 2046/7 2047/8 2048/9 2049/0 2050/1 2051/2 2052/3 2053/4 2054/5 2055/6 2056/7 2057/8 2058/9 2059/0 2060/1 2061/2 2062/3 2063/4 2064/5 2065/6 2066/7 2067/8 2068/9 2069/0 2070/1 2071/2 2072/3 2073/4 2074/5 2075/6 2076/7 2077/8 2078/9 2079/0 2080/1 2081/2 2082/3 2083/4 2084/5 2085/6 2086/7 2087/8 2088/9 2089/0 2090/1 2091/2 2092/3 2093/4 2094/5 2095/6 2096/7 2097/8 2098/9 2099/0 2100/1 2101/2 2102/3 2103/4 2104/5 2105/6 2106/7 2107/8 2108/9 2109/0 2110/1 2111/2 2112/3 2113/4 2114/5 2115/6 2116/7 2117/8 2118/9 2119/0 2120/1 2121/2 2122/3 2123/4 2124/5 2125/6 2126/7 2127/8 2128/9 2129/0 2130/1 2131/2 2132/3 2133/4 2134/5 2135/6 2136/7 2137/8 2138/9 2139/0 2140/1 2141/2 2142/3 2143/4 2144/5 2145/6 2146/7 2147/8 2148/9 2149/0 2150/1 2151/2 2152/3 2153/4 2154/5 2155/6 2156/7 2157/8 2158/9 2159/0 2160/1 2161/2 2162/3 2163/4 2164/5 2165/6 2166/7 2167/8 2168/9 2169/0 2170/1 2171/2 2172/3 2173/4 2174/5 2175/6 2176/7 2177/8 2178/9 2179/0 2180/1 2181/2 2182/3 2183/4 2184/5 2185/6 2186/7 2187/8 2188/9 2189/0 2190/1 2191/2 2192/3 2193/4 2194/5 2195/6 2196/7 2197/8 2198/9 2199/0 2200/1 2201/2 2202/3 2203/4 2204/5 2205/6 2206/7 2207/8 2208/9 2209/0 2210/1 2211/2 2212/3 2213/4 2214/5 2215/6 2216/7 2217/8 2218/9 2219/0 2220/1 2221/2 2222/3 2223/4 2224/5 2225/6 2226/7 2227/8 2228/9 2229/0 2230/1 2231/2 2232/3 2233/4 2234/5 2235/6 2236/7 2237/8 2238/9 2239/0 2240/1 2241/2 2242/3 2243/4 2244/5 2245/6 2246/7 2247/8 2248/9 2249/0 2250/1 2251/2 2252/3 2253/4 2254/5 2255/6 2256/7 2257/8 2258/9 2259/0 2260/1 2261/2 2262/3 2263/4 2264/5 2265/6 2266/7 2267/8 2268/9 2269/0 2270/1 2271/2 2272/3 2273/4 2274/5 2275/6 2276/7 2277/8 2278/9 2279/0 2280/1 2281/2 2282/3 2283/4 2284/5 2285/6 2286/7 2287/8 2288/9 2289/0 2290/1 2291/2 2292/3 2293/4 2294/5 2295/6 2296/7 2297/8 2298/9 2299/0 2300/1 2301/2 2302/3 2303/4 2304/5 2305/6 2306/7 2307/8 2308/9 2309/0 2310/1 2311/2 2312/3 2313/4 2314/5 2315/6 2316/7 2317/8 2318/9 2319/0 2320/1 2321/2 2322/3 2323/4 2324/5 2325/6 2326/7 2327/8 2328/9 2329/0 2330/1 2331/2 2332/3 2333/4 2334/5 2335/6 2336/7 2337/8 2338/9 2339/0 2340/1 2341/2 2342/3 2343/4 2344/5 2345/6 2346/7 2347/8 2348/9 2349/0 2350/1 2351/2 2352/3 2353/4 2354/5 2355/6 2356/7 2357/8 2358/9 2359/0 2360/1 2361/2 2362/3 2363/4 2364/5 2365/6 2366/7 2367/8 2368/9 2369/0 2370/1 2371/2 2372/3 2373/4 2374/5 2375/6 2376/7 2377/8 2378/9 2379/0 2380/1 2381/2 2382/3 2383/4 2384/5 2385/6 2386/7 2387/8 2388/9 2389/0 2390/1 2391/2 2392/3 2393/4 2394/5 2395/6 2396/7 2397/8 2398/9 2399/0 2400/1 2401/2 2402/3 2403/4 2404/5 2405/6 2406/7 2407/8 2408/9 2409/0 2410/1 2411/2 2412/3 2413/4 2414/5 2415/6 2416/7 2417/8 2418/9 2419/0 2420/1 2421/2 2422/3 2423/4 2424/5 2425/6 2426/7 2427/8 2428/9 2429/0 2430/1 2431/2 2432/3 2433/4 2434/5 2435/6 2436/7 2437/8 2438/9 2439/0 2440/1 2441/2 2442/3 2443/4 2444/5 2445/6 2446/7 2447/8 2448/9 2449/0 2450/1 2451/2 2452/3 2453/4 2454/5 2455/6 2456/7 2457/8 2458/9 2459/0 2460/1 2461/2 2462/3 2463/4 2464/5 2465/6 2466/7 2467/8 2468/9 2469/0 2470/1 2471/2 2472/3 2473/4 2474/5 2475/6 2476/7 2477/8 2478/9 2479/0 2480/1 2481/2 2482/3 2483/4 2484/5 2485/6 2486/7 2487/8 2488/9 2489/0 2490/1 2491/2 2492/3 2493/4 2494/5 2495/6 2496/7 2497/8 2498/9 2499/0 2500/1 2501/2 2502/3 2503/4 2504/5 2505/6 2506/7 2507/8 2508/9 2509/0 2510/1 2511/2 2512/3 2513/4 2514/5 2515/6 2516/7 2517/8 2518/9 2519/0 2520/1 2521/2 2522/3 2523/4 2524/5 2525/6

a = 1949.2 0 1949.2 - 1949.2 = 0.0
 a = 1949.2 38.12 1949.2 - 1949.2 = 0.0

19475	"	M ¹ distance of 1000 m. 7-10
-------	---	---

" = 19696 " (15.5.2019 - 16.5.2019)

1964	Dec	29	07007	142-10	116.70
1968	Mar	25	07007	142-10	116.70

1941

[illegible]

1947-1948

[illegible]

1945-46

14652	28 (14)	184	600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000	10000
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1951	35110	1951	35110	1951	35110
1952	35111	1952	35111	1952	35111

Ma. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31.

1962

$\frac{1}{x^2} = x^{-2}$

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20.4 | 9.0
Jan. 10 1908 | 14657 | 38117 | | | Ma | CDM -30° 18537 | 21 14.3 | -30
40.1 | 8.5
Jan. 10 1908 | 14658 | 38117 | | | Ma | CDM -32° 16555 | 21 17.2 | -32
0.9 | 9.2
Jan. 10 1908 | 14659 | 38117 | | | Mb | CDM -29 17810 | 21 22.1 | -29
20.5 | 8.8
Jan. 10 1908 | 14660 | 38118 | | | Cont. | {Reflection of A.G.C. 32161 |
23 ~~44~~ ~~43.7~~ | -28 41 | 4.6

Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
Bache Plates #99
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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

[Date][No][Plate][V][H][Object][Design][RA][Dec][Magn.]

Jan. 10, 1908|14661|38118| | |Ma|DM -20° 6636|23 34.2|-20 33.5|7.8
[[w]]

Jan. 10, 1908|14662|38119| | |Md?|CDM -37° 11722|17 28.9|-37
49.5|9.7 [[w]]

Jan. 10, 1908|14663|38119| | |Cont.|CDM -37° 11916|17 41.7|-

[[strikethrough]]32[[/strikethrough]]37 0.0|neb. [[w]]

Jan. 10, 1908|14664|38119| | |Br. lines|CDM -32° 13623|17 53.5|-32
42.4|8.7 [[w]]

Jan. 10, 1908|14665|38119| | |Mb5c|CDM -29° 14520|17 59.7|-29

26.9|8.3 [[w]]

Jan. 11, 1908|14666|38135| | |Mb|[[strikethrough]](Est. 1900)|0 18 |-
82[[/strikethrough]]

[[C.P.D. -82 7|0 16.6|-82 22.2|9.2|

Jan. 11, 1908|14667|38135| | |Mb|{30358|22 8.8|-80 57|5.6|

[[C.P.D. -81 995|22 5.9|-81 3.6|6.6|

Jan. 11, 1908|14668|38135| | |Ma|[[strikethrough]](Est. 1900)|0 30|-
81 [[/strikethrough]]

[[C.P.D. -81 7|0 31.7|-81 57.8|9.7|

Jan. 11, 1908|14669|38135| | |Mb|{Gilliss 16086(?) | | |

[[C.P.D. -[[strikethrough]]8[[/strikethrough]]79 1222|22

53.9|-79 36.7|9.7|

Jan. 11, 1908|14670|38135| | |Ma|[[strikethrough]]Gilliss 604|1 3.5|-
80 2|9.0[[/strikethrough]]

[[C.P.D. -79° 27|1 4.0|-79 54.2|9.3|

Jan. 11, 1908|14671|38135| | |Mb|{Gilliss 708|1 15.2|-80 51|9.0|

[[C.P.D. -80 20|1 15.4|-80 42.9|9.0|

Jan. 11, 1908|14672|38135| | |Ma|{Z.C. 23^[[h]] 457|23 16.8|-76 47|8
½|

[[C.P.D. -76 1579|23 16.8|-76 47.3|9.4|

Jan. 11, 1908|14673|38135| | |Ma|[[strikethrough]](Est. 1900)|23 50|-
76[[/strikethrough]]

[[C.P.D. -76 1619|23 46.8|-76 19|10.2|

Jan. 11, 1908|14674|38135| | |Md?|(Est. 1900)|0 54.2|-75 32| |

Jan. 11, 1908|14675|38135| | |Mb|{31823|23 26.2|-74 45|7 ¾|

[[C.P.D. -74 2074|23 24.6|-74 53|8.8|

Jan. 11, 1908|14676|38135| | |Mb|[[strikethrough]](Est. 1900)|0 7|-74
[[/strikethrough]]

[[C.P.D. -74 14|0 6.5|-74 47|10.0|

Jan. 11, 1908|14677|38136| | |Mb|CPD -74° 156|2 0.4|-74 6.0|9.2
[[w]]

Jan. 11, 1908|14678|38139| | |Mb|[[strikethrough]](Est.

1900)[[strikethrough]]Approx. 1875|0 35.4|-77 38| |

Jan. 11, 1908|14679|38139| | |Mb|[[strikethrough]]{Approx. 1875)|0
8|-74[[/strikethrough]]

[[C.P.D. -74 14|0 6.5|-74 46.8|10.0|

Jan. 11, 1908|14680|38139| | |Br. lines|(Est. 1900)|1 6.2|-73 44| |

Jan. 11, 1908|14681|38139| | |Br. lines|(Est. 1900)|0

56.0|[[strikethrough]]-73[[/strikethrough]]-72 42| |

Jan. 11, 1908|14682|38139| | |Ma|{159|0 10.4|-69 25|8½|

[[C.P.D. -69 4|0 9.2|-69 32.5|9.3|

Jan. 11, 1908|14683|38140| | |Mb|CPD -71° 159|2 41.8|-17 44.0|8.2
[[w]]

Jan. 11, 1908|14684|38140| | |Ma|CPD -68° 132|2 15.7|-68 21.7|8.4

24									
Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	D	H	Object Design	RA	Dec	Magn	
Jan. 10, 1908	14661	38118			Ma	20° 6636	23 34.2	-20 33.5	7.8
"	14662	38119			Md?	37° 11722	17 28.9	-37 49.5	9.7
"	14663				Cont.	37° 11916	17 41.7	-	
"	14664				Br. lines	32° 13623	17 53.5	-32 42.4	8.7
"	14665				Mb5c	29° 14520	17 59.7	-29 26.9	8.3
"	14666	38135			Mb	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]
"	14667				Mb	{30358	22 8.8	-80 57	5.6
"	14668				Ma	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]
"	14669				Mb	{Gilliss 16086(?)			
"	14670				Ma	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]
"	14671				Mb	{Gilliss 708	1 15.2	-80 51	9.0
"	14672				Ma	{Z.C. 23^	457	23 16.8	-76 47
"	14673				Ma	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]
"	14674				Md?	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]
"	14675				Mb	{31823	23 26.2	-74 45	7 ¾
"	14676				Mb	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]
"	14677				Mb	CPD -74°	156	2 0.4	-74 6.0
"	14678				Mb	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]
"	14679				Mb	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]
"	14680				Br. lines	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]
"	14681				Br. lines	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]	[[strikethrough]]
"	14682				Ma	{159	0 10.4	-69 25	8½
"	14683				Mb	CPD -71°	159	2 41.8	-17 44.0
"	14684				Ma	CPD -68°	132	2 15.7	-68 21.7

[[w]]
Jan. 11, 1908|14685|38141| | |Mb|CDM -46° 12720|18 48.5|-46
53.5|8.4 [[w]]
Jan. 11, 1908|14686|38141| | |Ma|CDM -47° 12780|19 2.4|-47 5.1|8.3
[[w]]
Jan. 11, 1908|14687|38141| | |Ma|CDM -46° 12853|1
[[strikethrough]]8[[/strikethrough]] 9 2.2| -46 15.7|9.0 [[w]]
Jan. 11, 1908|14688|38141| | |Mb|CDM -46° 12809|18 57.8|-46
9.2|8.2 [[w]]

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Type III

" " Var? Maybe be defect Var not confirmed see cover B 38119

" V Known

" III

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Notice C. P. D " "

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Gas. Net. Known

Type V Known

" III

" "

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" "

" "

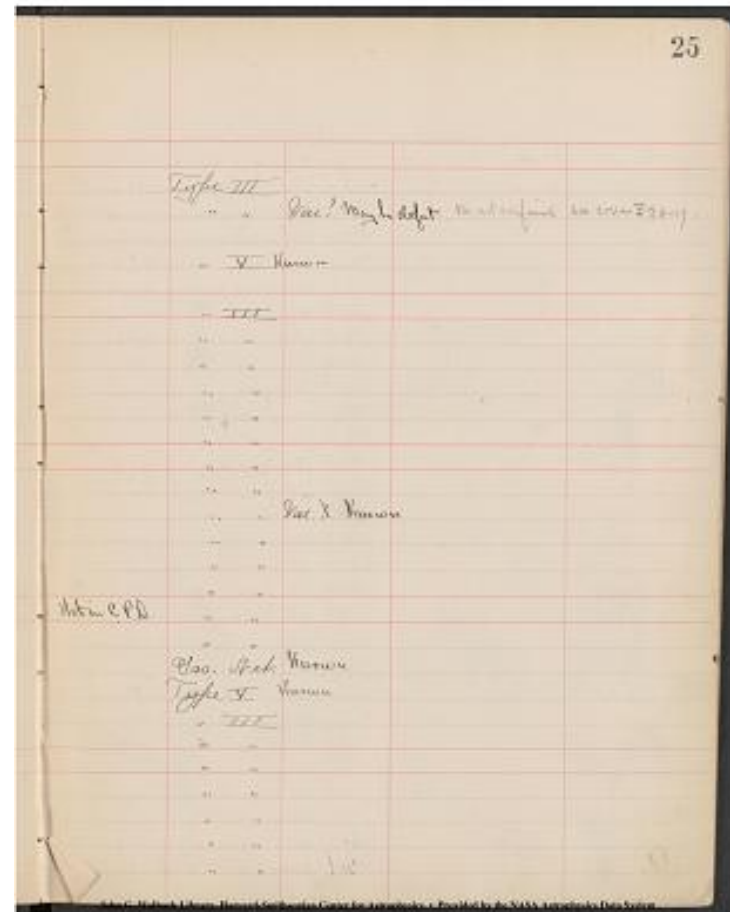
" "

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· Provided by the NASA Astrophysics Data System

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Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
Bache Plates #99

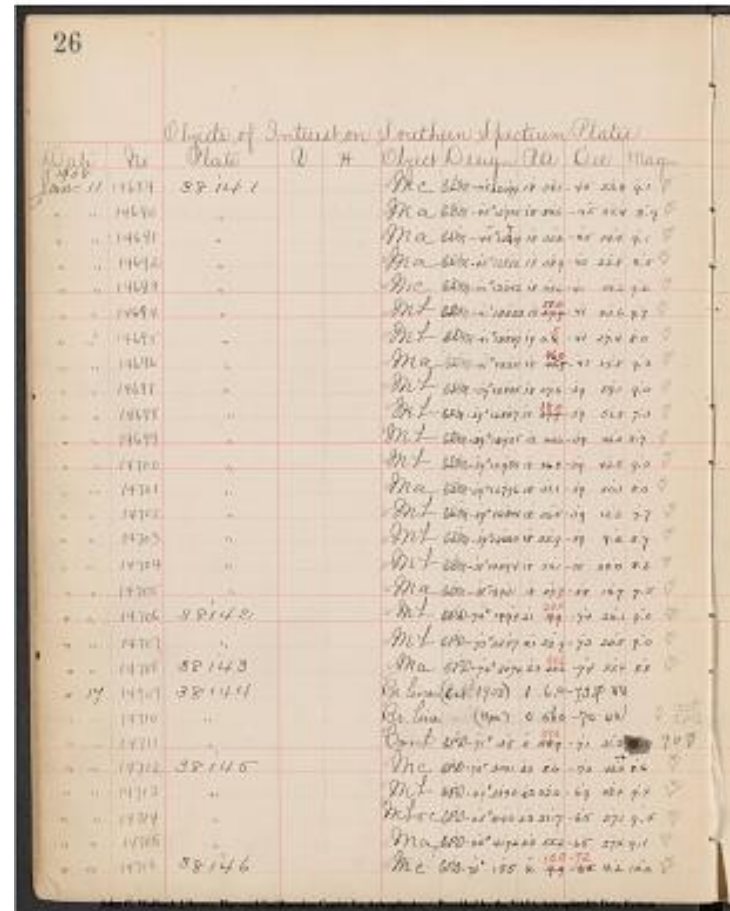
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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn.
Jan. 11 1908	14689	31841			Mc CDM -45°12699	18 34.1	-45		
	53.8	9.1	^	[[w]]					
Jan. 11 1908	14690	31841			Ma CDM -45°12705	18 34.6	-45		
	25.4	8.9	^	[[w]]					
Jan. 11 1908	14691	31841			Ma CDM -				
	45°12	[[strikethrough]]6	[[/strikethrough]]	[[red]]7	[[red]]19	18 35.6	-45		
	14.4	9.1	^	[[w]]					
Jan. 11 1908	14692	31841			Ma CDM -43°12822	18 38.9	-43		
	23.8	8.5	^	[[w]]					
Jan. 11 1908	14693	31841			Mc CDM -41°13242	18 48.6	-41		
	54.2	9.6	^	[[w]]					
Jan. 11 1908	14694	31841			Mb CDM -41°13323	18			
	[[strikethrough]]57.9	[[/strikethrough]]	[[red]]58.0	[[red]]-41	43.6	9.7	^	[[w]]	
Jan. 11 1908	14695	31841			Mb CDM -41°13349	19			
	0.	[[strikethrough]]4	[[/strikethrough]]	[[red]]5	[[red]]-41	27.4	8.0	^	[[w]]
Jan. 11 1908	14696	31841			Ma CDM -41°13211	18			
	[[strikethrough]]45.9	[[/strikethrough]]	[[red]]46.0	[[red]]-41	15.8	9.3	^	[[w]]	
Jan. 11 1908	14697	31841			Mb CDM -39°12885	18 37.6	-39		
	59.1	9.0	^	[[w]]					
Jan. 11 1908	14698	31841			Mb CDM -39°12887	18			
	[[strikethrough]]37.9	[[/strikethrough]]	[[red]]38.0	[[red]]-39	51.8	7.3	^	[[w]]	
Jan. 11 1908	14699	31841			Mb CDM -39°12925	18 40.6	-39		
	46.0	8.7	^	[[w]]					
Jan. 11 1908	14700	31841			Mb CDM -39°12984	18 46.8	-39		
	42.5	9.0	^	[[w]]					
Jan. 11 1908	14701	31841			Ma CDM -39°12796	18 31.1	-39		
	30.1	8.0	^	[[w]]					
Jan. 11 1908	14702	31841			Mb CDM -39°12814	18 32.5	-39		
	12.3	7.7	^	[[w]]					
Jan. 11 1908	14703	31841			Mb CDM -39°12860	18 35.9	-39	9.2	8.7
	^	[[w]]							
Jan. 11 1908	14704	31841			Mb CDM -38°13294	18 54.1	-38		
	28.0	8.3	^	[[w]]					
Jan. 11 1908	14705	31841			Ma CDM -38°12931	18 27.7	-38		
	14.7	7.5	^	[[w]]					
Jan. 11 1908	14706	31842			Mb CPD -				
	74°1994	21	[[strikethrough]]19.9	[[/strikethrough]]	20.0	-74	26.1	9.0	^
Jan. 11 1908	14707	31842			Mb CPD -73°2247	21 52.9	-73	20.5	9.0
	^	[[w]]							
Jan. 11 1908	14708	31843			Ma CPD -				
	74°2074	23	[[strikethrough]]23.6	[[/strikethrough]]	24.6	-74	53.4	8.8	^
Jan. 17 1908	14709	31844			Br. lines	(Est. 1900)	1 6.2		
	73	[[strikethrough]]7	[[/strikethrough]]	44					
Jan. 17 1908	14710	31844			Br. lines	(1900)	0 56.0	-72	42
	^	[[w]]							
	[[underlined]]not	[[/underlined]]	C.P.D.						
Jan. 17 1908	14711	31844			Cont. CPD -				
	71°35	0	[[strikethrough]]58.9	[[/strikethrough]]	59.0	-71	31.2	7.0	^
Jan. 17 1908	14712	31845			Mc CPD -70°3001	23 8.6	-70	56.0	8.6
	^	[[w]]							
Jan. 17 1908	14713	31845			Mb CPD -69°3340	23 52.6	-69		
	38.0	9.4	^	[[w]]					
Jan. 17 1908	14714	31845			Mb5c CPD -65°4140	23 21.7	-65		
	27.1	9.4	^	[[w]]					



|Jan. 17 1908|14715|31845| | |Ma|CPD -65°4192| 23 55.2|-65
27.4|9.1 ^[[w]]|
|Jan. 17 1908|14716|31846| | |Mc|CPD -
72°155|2|~~9.9~~10.0~~10.0~~-
65~~65~~-72 4.2| 10.2 ^[[w]]|

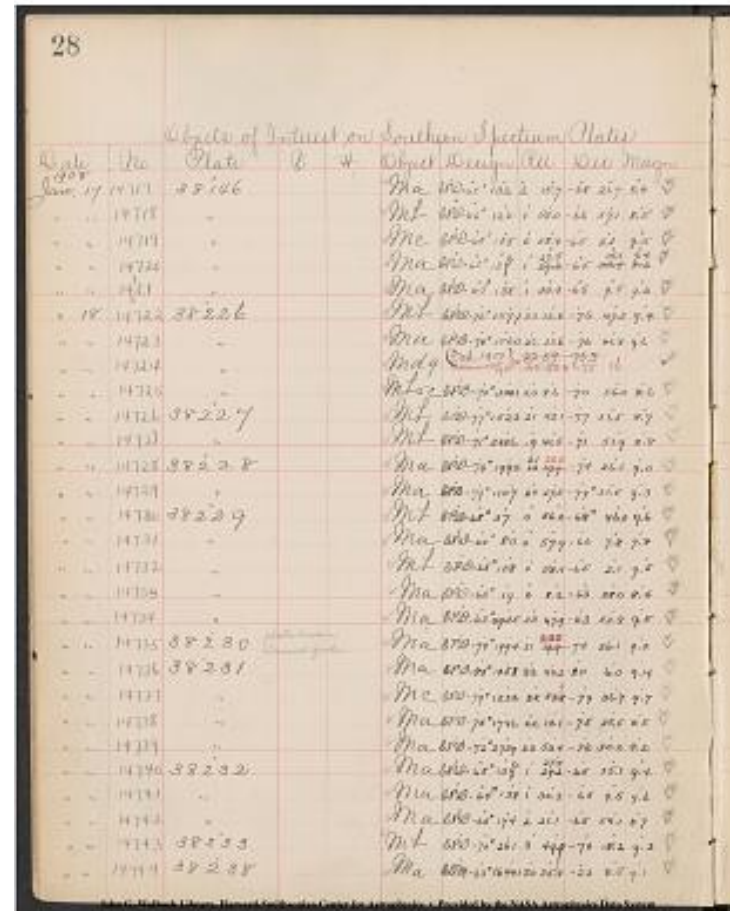
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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

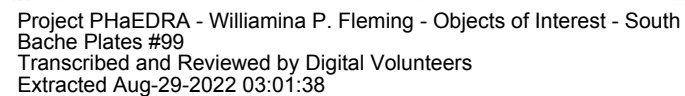
Date|No|Plate|V|H|Object|Design|Ra|Dec.|Magn.

Jan. 17 1908	14717	38146			Ma CPD -68°	132 2	15.7 -68 21.7 8.4
Jan. 17 1908	14718	38146			Mb CPD -66°	126 1	58.0 -66 57.1 8.5
Jan. 17 1908	14719	38146			Mc CPD -65°	108 0	58.4 -65 2.1 9.5
Jan. 17 1908	14720	38146			Ma CPD -65°	13	[[strikethrough]] 7
[[strikethrough]]	6 1	[[strikethrough]]			29.2	[[strikethrough]]	27.5 -65
[[strikethrough]]	30.4	[[strikethrough]]					
15.1	[[strikethrough]]	8.3	[[strikethrough]]				9.4
Jan. 17 1908	14721	38146			Ma CPD -65°	138 1	30.3 -65 9.5 9.6
Jan. 18 1908	14722	38226			Mb CPD -76°	1579 23	16.8 -76 47.3 9.4
Jan. 18 1908	14723	38226			Ma CPD -76°	1560 22	23.6 -76 41.8 9.6
Jan. 18 1908	14724	38226			Md	[[strikethrough]]	Est
[[strikethrough]]	1900	[[note]]			announced	1900 pos	
[[note]]	[[strikethrough]]	22 59	[[strikethrough]]		21 58.8	[[strikethrough]]	-
75.3	[[strikethrough]]	-75 16					
Jan. 18 1908	14725	38226			Mb5c CPD -70°	3001 23	8.6 -70 56.0 8.6
Jan. 18 1908	14726	38227			Mb CPD -77°	1523 21	42.1 -77 31.5 8.7
Jan. 18 1908	14727	38227			Mb CPD -71°	2486 19	41.5 -71 51.9 8.8
Jan. 18 1908	14728	38228			Ma CPD -74°	1994	[[strikethrough]] 10
19.9	[[strikethrough]]	21 20.0			-74 26.1	[[strikethrough]]	9.0
Jan. 18 1908	14729	38228			Ma CPD -79°	1107 20	27.5 -79° 31.8 9.3
Jan. 18 1908	14730	38229			Mb CPD -68°	37 0	56.0 -68° 46.0 9.6
Jan. 18 1908	14731	38229			Ma CPD -66°	80 0	57.9 -66 7.8 7.8
Jan. 18 1908	14732	38229			Mb CPD -65°	108 0	58.4 -65 2.1 9.5
Jan. 18 1908	14733	38229			Ma CPD -63°	19 0	8.2 -63 28.0 8.4
Jan. 18 1908	14734	38229			Ma CPD -63°	4935 23	47.9 -63 33.8 9.5
Jan. 18 1908	14735	38230			[[strikethrough]]	plate broken cannot find	[[strikethrough]]
[[strikethrough]]	19.9	[[strikethrough]]			20.0	[[strikethrough]]	20.0 -74 26.1 9.0
Jan. 18 1908	14736	38231			Ma CPD -80°	1058 22	44.2 -80 6.0 9.4
Jan. 18 1908	14737	38231			Mc CPD -79°	1222 22	
53	[[strikethrough]]	8	[[strikethrough]]		9 -79 36.7	[[strikethrough]]	9.7
Jan. 18 1908	14738	38231			Ma CPD -75°	1746 22	10.1 -75 35.5 8.5
Jan. 18 1908	14739	38231			Ma CPD -72°	2739 22	50.4 -72 30.2 8.2
Jan. 18 1908	14740	38232			Ma CPD -65°	13	[[strikethrough]] 7
[[strikethrough]]	6 1	[[strikethrough]]			9.2	[[strikethrough]]	27.5 -65
15.1	[[strikethrough]]						9.4
Jan. 18 1908	14741	38232			Ma CPD -65°	138 1	30.3 -65 9.5 9.6
Jan. 18 1908	14742	38232			Ma CPD -65°	174 2	21.1 -65 54.1 8.7
Jan. 18 1908	14743	38233			Mb CPD -70°	261 3	49.0 -70 15.2 9.3
Jan. 18 1908	14744	38238			Ma CPD -23°	16441 20	35.8 -23 8.5 9.1



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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date | No. | Plate | V | H | Object | Design. | RA | Dec. | Magn.

1908 Jan. 18 | 14745 | 38238 | | | Mb | DM -18° 5816 | 20 49.3 | -18 17.0 | 8.8 WV

Jan. 18 | 14746 | 38238 | | | Pec | DM -19° 5930 | 20 40.7 | -19 33.4 | 9.5 WV

Jan. 18 | 14747 | 38238 | | | Mb | DM -19° 5909 | 20 36.3 | -19 34.0 | 9.0 WV

Jan. 18 | 14748 | 38238 | | | MC5d
[[[strikethrough]]C[[[strikethrough]]DM [[[strikethrough]]23°
[[[strikethrough]]17° 6181 | 20 59.2 | -17 0.2 | 8.2 WVJan. 18 | 14749 | 38239 | | | Mb |
CDM -26° 16483 | 23 0.7 | -26 16.5 | 8.5 WVJan. 18 | 14750 | 38239 | | | Mb |
DM -18° 6268 | 23 4.9 | -18 6.7 | 9.0 WVJan. 18 | 14751 | 38240 | | | Mb | CDM -25°, 21
[[[strikethrough]]3[[[strikethrough]]2 | 0
29. [[[strikethrough]]8[[[strikethrough]]6 | -25 [[[strikethrough]]18.6
[[[strikethrough]]34.1 | 8. [[[strikethrough]]3[[[strikethrough]]0 ^July 14 | 14752 | 38414 | | | Ma |
CPD -52° [[[strikethrough]]979[[[strikethrough]]1074 | [[[strikethrough]]6
38.0[[[strikethrough]]7 2.5 | [[[strikethrough]]-52 18.8[[[strikethrough]]-52
25.1 | [[[strikethrough]]9.2[[[strikethrough]]8.8 WVJuly 14 | 14753 | 38414 | | | Mb |
CPD -52° 986 | 6 40.8 | -52 53.9 | 9.2 WV

July 14 | 14754 | 38414 | | | Mc5d | CPD -52° 979 | 6 38.0 | -52 18.8 | 9.2 WV

July 14 | 14755 | 38414 | | | Mb | CDM -50° 2634 | 7 9.3 | -50 6.5 | 7.9 WV

July 14 | 14756 | 38414 | | | Ma | CDM -49° 2513 | 6 52.7 | -49 55.4 | 8.1 WV

July 14 | 14757 | 38414 | | | Mb | CDM -49° 2294 | 6 27.9 | -49 1.3 | 9.5 WV

July 14 | 14758 | 38415 | | | Ma |
C [[[strikethrough]]DM[[[strikethrough]] PD -52° 2262 | 9 17.9 | -52 2.0 |

30									
Objects of Interest on Southern Spectrum Plates									
Date	No.	Plate	V	H	Object	Design.	RA	Dec.	Magn.
Jan. 18	14745	38238			Mb	DM -18° 5816	20 49.3	-18 17.0	8.8
"	14746	"			Pec	DM -19° 5930	20 40.7	-19 33.4	9.5
"	14747	"			Mb	DM -19° 5909	20 36.3	-19 34.0	9.0
"	14748	"			MC5d				
"	14749	"			Mb	CDM -26° 16483	23 0.7	-26 16.5	8.5
"	14750	"			Mb	DM -18° 6268	23 4.9	-18 6.7	9.0
"	14751	"			Mb	CDM -25°, 21			
"	14752	"			Ma	CPD -52° 979	6 38.0	-52 18.8	9.2
"	14753	"			Mb	CPD -52° 986	6 40.8	-52 53.9	9.2
"	14754	"			Mc5d	CPD -52° 979	6 38.0	-52 18.8	9.2
"	14755	"			Mb	CDM -50° 2634	7 9.3	-50 6.5	7.9
"	14756	"			Ma	CDM -49° 2513	6 52.7	-49 55.4	8.1
"	14757	"			Mb	CDM -49° 2294	6 27.9	-49 1.3	9.5
"	14758	"			Ma	CDM -52° 2262	9 17.9	-52 2.0	

8.8 WV

July 14 | 14759 | 38415 | | | Br. line | CDM -49° 4218 | 9 9.0 | -49 35.5
| 9.9 WV

July 14 | 14760 | 38415 | | | Mb | CDM -48° 4529 | 9 9.4 | -48 8.0 | 9.4
WV

July 14 | 14761 | 38415 | | | Br. line | CDM -47° 4504 | 8 50.8 | -47 7.2
| 9.0 WV

July 14 | 14762 | 38415 | | | Mb | CDM -46° 4827 | 8 56.2 | -46 51.1 |
9.6 WV

July 14 | 14763 | 38415 | | . | MC5d | CDM -43° 5040 | 9 7.8 | -43 16.0 |
8.6 WV

July 14 | 14764 | 38416 | | | Ma | CPD -52° 4239 | 11 2.5 | -52 7.7 | 8.9
WV

July 14 | 14765 | 38416 | | | Ma | CDM -48° 6096 | 10 55.8 | -48 40.5 |
9.5 WV

July 14 | 14766 | 38416 | | | Ma | CDM -48° 6250 | 11 5.8 | -48 10.4 |
8.3 WV

July 14 | 14767 | 38416 | | | Ma | CDM -47° 6602 | 11 6.7 | -47 39.4 |
9.7 WV

July 14 | 14768 | 38416 | | | Pec. | CDM -47° 6614 | 11 7.5 | -47° 32.5
| 9.9 WV

July 14 | 14769 | 38416 | | | Ma | CDM -47° 6730 | 11 13.6 | -4 31.2 |
8.9 WV

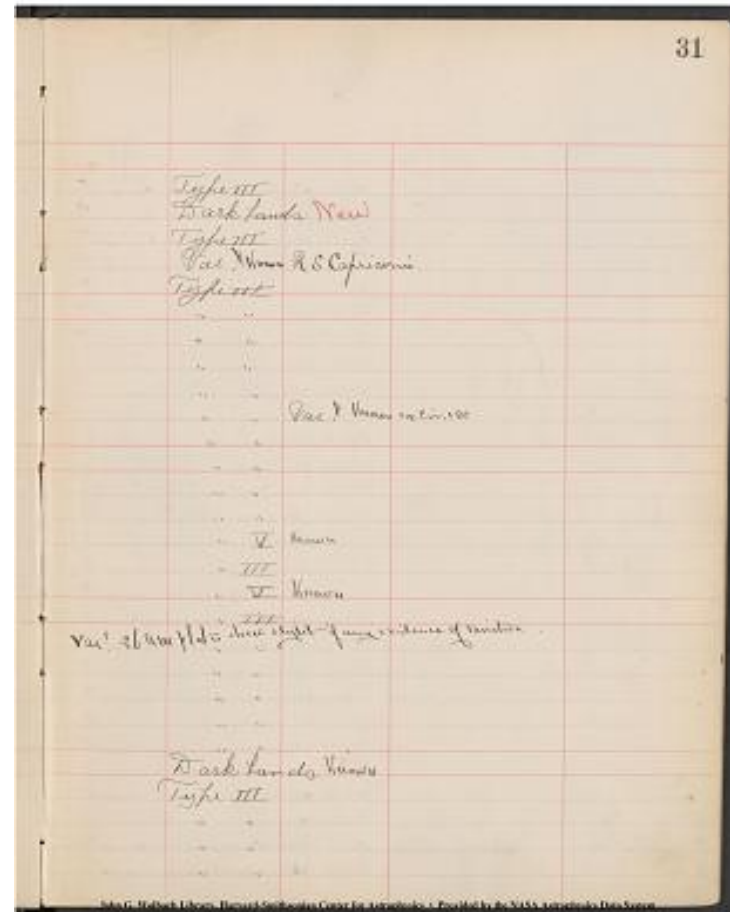
July 14 | 14770 | 38416 | | | Mb5c | CDM -45° 6652 | 10 58.5 | -45 3.9
| 8.7 WV

July 14 | 14771 | 38416 | | . | Mb5c | CDM -44° 7220 | 11 13.5 | -44
24.6 | 8.0 WV

July 14 | 14772 | 38416 | | | Mc | CDM -43° 7026 | 11 18.0 |
[[~~9.9~~]]-44[[~~9.9~~]] 43 59.2 | 9.0 WV

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Type III
 Dark Bands. New
 Type III
 Var ~~[[stikethrough]]~~ ? ~~[[/stikethrough]]~~ Known RS Capricorni
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III Var ~~[[stikethrough]]~~ ? ~~[[/stikethrough]]~~ Known see Cir. 130
 Type III
 Type III
 Type III
 Type III
 Type V | Known
 Type III
 Type V | Known
 Type III
 Var? 26 AM plates show slight - if any evidence of variation
 Type III
 Type III
 Type III
 Type III
 Type III
 Dark Bands Known
 Type III
 Type III
 Type III
 Type III



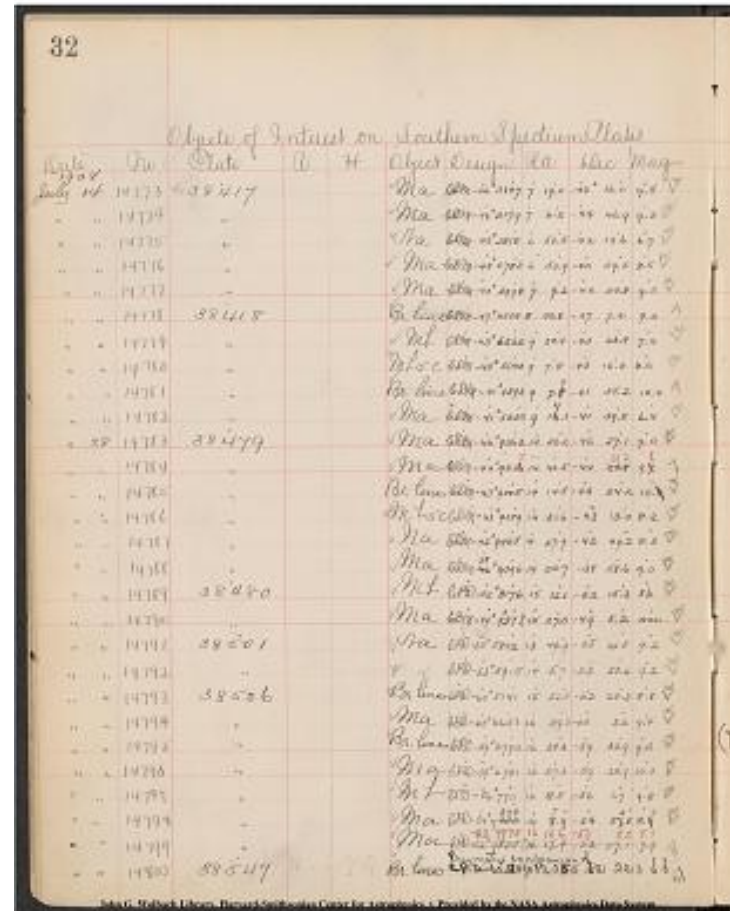
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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

[Date][No.][Plate][V][H][Object][Design][RA][Dec][Magn.]

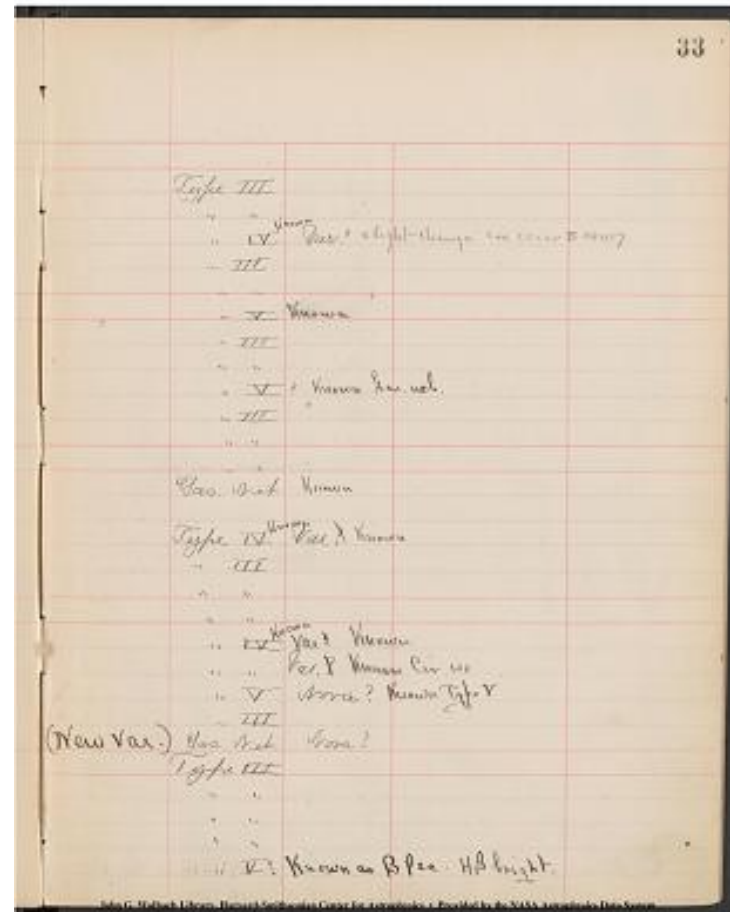
Date	No.	Plate	V	H	Object	Design	RA	Dec	Magn.
July 14 1908	14773	38417			[Ma]CDM	-46° 3107	7 19.0	-46° 16.0	9.4 ^{[[w]]}
July 14 1908	14774	38417			[Ma]CDM	-44° 3179	7 6.2	-44 46.9	9.3 ^{[[w]]}
July 14 1908	14775	38417			[Na]CDM	-42° 2818	6 50.5	-42 12.6	6.7 ^{[[w]]}
July 14 1908	14776	38417			[Ma]CDM	-40° 2783	6 50.9	-40 59.5	8.5 ^{[[w]]}
July 14 1908	14777	38417			[Ma]CDM	-40° 2998	7 9.2	-40 34.8	9.3 ^{[[w]]}
July 14 1908	14778	38418			[Br. line]CDM	-47° 4504	8 50.8	-47 7.2	9.0
July 14 1908	14779	38418			[Mb]CDM	-43° 5262	9 20.4	-43 26.4	7.2 ^{[[w]]}
July 14 1908	14780	38418			[Mb5c]CDM	-43° 5040	9 7.8	-43 16.0	8.6 ^{[[w]]}
July 14 1908	14781	38418			[Br. line]CDM	-41° 4893	9 7.1	-41 55.2	10.0
July 14 1908	14782	38418			[Ma]CDM	-41° 5023	9 1.1	-41 39.8	6.4 ^{[[w]]}
July 28 1908	14783	38479			[Ma]CDM	-46° 9362	14 22.2	-46 27.1	9.0 ^{[[w]]}
July 28 1908	14784	38479			[Ma]CDM	-44° 961	14 40.5	-44 24.8	9.6
July 28 1908	14785	38479			[Br. lines]CDM	-43° 9005	14 14.5	-43 34.2	10 ^{[[w]]}
July 28 1908	14786	38479			[Mb5c]CDM	-43° 9089	14 21.6	-43 13.0	8.2 ^{[[w]]}
July 28 1908	14787	38479			[Na]CDM	-42° 9465	14 27.9	-42 49.2	8.3 ^{[[w]]}
July 28 1908	14788	38479			[Ma]CDM	-38° 9396	14 20.7	-38 58.6	9.0 ^{[[w]]}
July 28 1908	14789	38480			[Mb]CPD	-52° 8176	15 12.1	-52 15.3	8.6 ^{[[w]]}
July 28 1908	14790	38480			[Ma]CDM	-49° 9787	15 27.0	-49 5.2	var. ^{[[w]]}
July 28 1908	14791	38501			[Na]CPD	-55° 5802	13 49.9	-55 44.5	9.2 ^{[[w]]}
July 28 1908	14792	38501			[Na]CPD	-53° 5915	14 5.7	-53 20.6	9.2 ^{[[w]]}
July 28 1908	14793	38526			[Br. lines]CPD	-62° 5141	15 52.8	-62 20.3	8.8 ^{[[w]]}
July 28 1908	14794	38526			[Ma]CPD	-60° 6651	16 39.3	-60 2.6	9.4 ^{[[w]]}
July 28 1908	14795	38526			[Br. lines]CPD	-59° 6790	16 28.3	-59 32.9	9.3 ^{[[w]]}
July 28 1908	14796	38526			[Ma]CPD	-59° 6781	16 27.3	-59 28.9	10.0 ^{[[w]]}
July 28 1908	14797	38526			[Mb]CPD	-56° 7711	16 18.5	-56 1.7	9.8 ^{[[w]]}
July 28 1908	14798	38526			[Ma]CPD	-54°			



~~7~~430~~388~~16 ~~8~~
~~7.9~~ -54 5~~7~~3.8~~8~~.
~~9~~~~7~~^[w]
 July 28 1908|14799|38526| |Ma|CPD ~~52°~~
 9838?~~53~~ 7975|~~16~~ 17.4~~16~~
 16.6| ~~52~~ 57.1~~53~~
 8.5|~~7.9~~~~8.9~~^[n]
 July 28 1908|14800|38547| |Br. lines| Prismatic companion of CPD -
 62° 2898|12 35.5|-62 22.3 |6.6^[n]

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Type III
 Type III
 Type IV Known var? slight change see cover B 38417
 Type III
 Type III
 Type V Known
 Type III
 Type III
 Type V ? known gas. neb
 Type III
 Type III
 Type III
 gas. neb. known
 Type IV known Var. ~~known~~ known
 Type III
 Type III
 Type III
 Type IV known var ~~known~~ known
 Type IV Var. ~~known~~ Known Cir. 120
 Type V Nova? Known Type V
 Type III
 (New var.) Gas. Neb. Nova?
 Type III
 Type III
 Type III
 Type III
 Type V ? Known as beta Pic. H beta bright



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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

[Date | No. | Plate | V | H | Object | Design | RA | Dec. | Magn. |

1908 July 28 | 14801 | 38547 | | | Mb | CPD -60° 4568 |

[[~~13 9.4~~]] 8[[~~13 9.4~~]] -60[[~~55.4~~]] 9.0[[~~55.4~~]] 9.0 WVJuly 28 | 14802 | 38547 | | | Mb | CPD -60° 4579 | 13 10.3 | -60 40.1 |
8.7 WVJuly 28 | 14803 | 38547 | | | Ma | CPD -58° 4384 | 12 28.7 | -58 46.9 |
9.8 WVJuly 28 | 14804 | 38547 | | | Mb5c | CPD -57° 5646 | 12 35.2 | -57 46.9 |
9.6 WVJuly 28 | 14805 | 38547 | | | Br. lines | CPD -57° 5981 |
1[[~~3 10.7~~]] 0[[~~3 10.7~~]] -57 28.6 | 8.6 WVJuly 28 | 14806 | 38547 | | | Mb | CPD -56° 5531 | 12 52.7 | -56 42.0 |
9.7 WVJuly 28 | 14807 | 38547 | | | Mb | CPD -56° 5632 | 13 4.8 | -56 20.0 |
9.4 WVJuly 28 | 14808 | 38547 | | | Mb | CPD -56° 5650 | 13 6.1 | -56 18.4 |
9.4 WVJuly 28 | 14809 | 38548 | | | Mb | [[~~CDM~~]] CDM[[~~13 49.0~~]]
CPD -57° 6410 | 13 49.0 | -57 5.9 | 8.6 WVJuly 28 | 14810 | 38548 | | | Na | CPD -55° 5802 | 13 49.9 | -55 44.5 |
9.2 WVJuly 28 | 14811 | 38548 | | | Mb | CPD -54° 5745 | 13 41.1 | -54 45.3 |
9.2 WVJuly 28 | 14812 | 38548 | | | Na | CPD -53° 5658 | 13 24.9 | -53 11.1 |
9.4 WVJuly 28 | 14813 | 38548 | | | Ma | CDM -51° 7641 | 13 31.2 | -51 13.2 |
9.3 WVJuly 28 | 14814 | 38549 | | | Br. lines | CPD -62° 4470 | 15 13.7 | -62
13.7 | 8.8 WVJuly 28 | 14815 | 38549 | | | Br. lines | CPD -62° 5141 | 15 52.8 | -62
20.3 | 8.8 WV

34

Objects of Interest on Southern Spectrum Plates

Date	No.	Plate	V	H	Object	Design	RA	Dec.	Magn.
July 28	14801	38547			Mb	CPD -60° 4568	13 9.4	-60 40.1	8.7
July 28	14802	38547			Mb	CPD -60° 4579	13 10.3	-60 40.1	8.7
July 28	14803	38547			Ma	CPD -58° 4384	12 28.7	-58 46.9	9.8
July 28	14804	38547			Mb5c	CPD -57° 5646	12 35.2	-57 46.9	9.6
July 28	14805	38547			Br. lines	CPD -57° 5981	3 10.7	-57 28.6	8.6
July 28	14806	38547			Mb	CPD -56° 5531	12 52.7	-56 42.0	9.7
July 28	14807	38547			Mb	CPD -56° 5632	13 4.8	-56 20.0	9.4
July 28	14808	38547			Mb	CPD -56° 5650	13 6.1	-56 18.4	9.4
July 28	14809	38548			Mb	[[CDM]] CDM[[13 49.0]]	13 49.0	-57 5.9	8.6
July 28	14810	38548			Na	CPD -55° 5802	13 49.9	-55 44.5	9.2
July 28	14811	38548			Mb	CPD -54° 5745	13 41.1	-54 45.3	9.2
July 28	14812	38548			Na	CPD -53° 5658	13 24.9	-53 11.1	9.4
July 28	14813	38548			Ma	CDM -51° 7641	13 31.2	-51 13.2	9.3
July 28	14814	38549			Br. lines	CPD -62° 4470	15 13.7	-62 13.7	8.8
July 28	14815	38549			Br. lines	CPD -62° 5141	15 52.8	-62 20.3	8.8

July 28 | 14816 | 38549 | | | Br. lines | ~~CPD -61°~~
5176~~[[/striketrough]]~~ Approx pos. (1875) | ~~15~~
32.5~~[[/striketrough]]~~ 15 32.8 | ~~61 41.3[[/striketrough]]~~ -
61.6 | ~~9.2[[/striketrough]]~~

July 28 | 14817 | 38549 | | | Mb | CPD -59° 6208 | 15 30.0 | -59 44.9 |
9.4 WV

July 28 | 14818 | 38549 | | | Mb | CPD -57° 6890 | 14 53.6 | -57 44.0 |
9.4 WV

July 28 | 14819 | 38549 | | | Ma | CPD -57° 6856 | 14 49.3 | -57 20.7 |
9.0 WV

July 28 | 14820 | 38550 | | | Na | CPD -67° 3220 | 16 37.3 | -67 33.2 |
9.7 WV

July 28 | 14821 | 38550 | | | Mb5c | CPD -56° 2866 | 15 49.5 | -66 29.2
| 8.9 WV

July 28 | 14822 | 38550 | | | Ma | CPD -66°
303~~[[/striketrough]]~~3~~[[/striketrough]]~~ 1 | 16
~~[[/striketrough]]~~42.1~~[[/striketrough]]~~ 41.9 | -66
~~[[/striketrough]]~~32.2~~[[/striketrough]]~~ 31.1 |
9.~~[[/striketrough]]~~2~~[[/striketrough]]~~ 5 | ^M

July 28 | 14823 | 38550 | | | Br. lines | CPD -62° 5141 | 15 52.8 | -62
20.3 | 8.8 WV

July 28 | 14824 | 38550 | | | Ma | CPD -62°
~~[[/striketrough]]~~5141~~[[/striketrough]]~~ 5066 | 15 15 52.8 48.1 |
~~[[/striketrough]]~~-62 20.3~~[[/striketrough]]~~ -62 10.3 |
~~[[/striketrough]]~~8.8~~[[/striketrough]]~~ 9.2 WV

July 28 | 14825 | 38550 | | | Md | CPD -59° 6790 | 16 28.3 | -59 32.9 |
9.3 WV

July 28 | 14826 | 38551 | | | Mb | CPD -58° 6466 | 15 45.8 | -58 43.1 |
9.6 WV

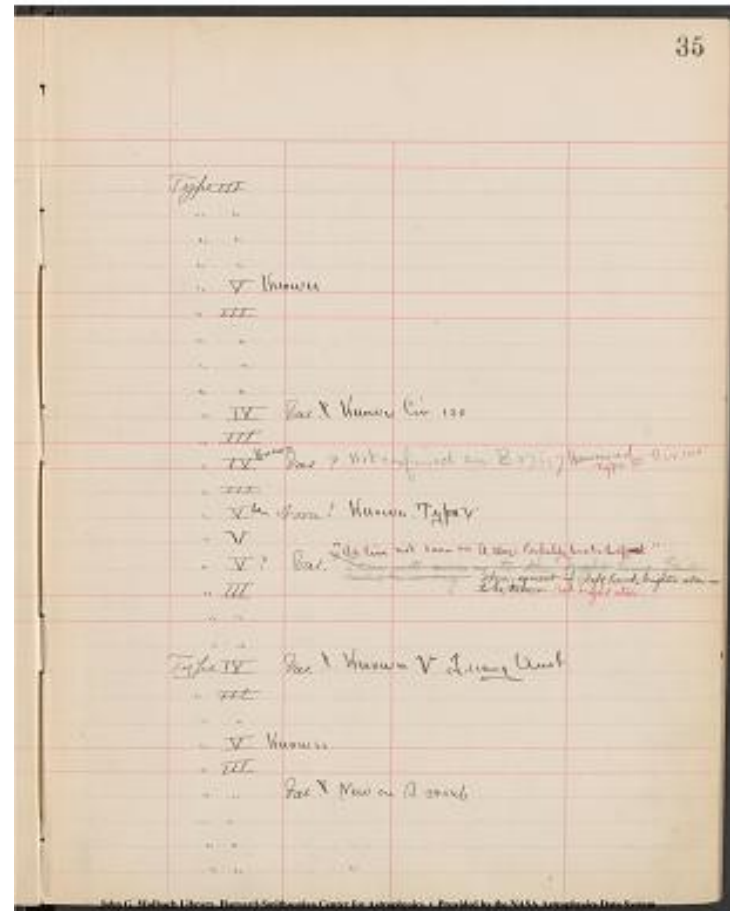
July 28 | 14827 | 38551 | | | Ma | CPD -58°
67~~[[/striketrough]]~~90~~[[/striketrough]]~~ 87 | 16
~~[[/striketrough]]~~16.0~~[[/striketrough]]~~ 15.2 | -58
~~[[/striketrough]]~~14.9~~[[/striketrough]]~~ 16.1 |
~~[[/striketrough]]~~10.0~~[[/striketrough]]~~ 9.8 ^

July 28 | 14828 | 38551 | | | Mb | CPD -56°
759~~[[/striketrough]]~~8~~[[/striketrough]]~~ 9 | 16
11.~~[[/striketrough]]~~1~~[[/striketrough]]~~ 2 | -56
~~[[/striketrough]]~~33.0~~[[/striketrough]]~~ 30.9 |
9.~~[[/striketrough]]~~2~~[[/striketrough]]~~ 0 ^

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Type III
 Type III
 Type III
 Type III
 Type V Known
 Type III
 Type III
 Type III
 Type III
 Type III
 Type IV Var ~~?~~ Known Cir. 130
 Type III
 Type IV Known Var.? Not confirmed see B 37617 Announced Type VI
 Cir. 145
 Type III
 Type V Nova? Known Type V
 Type V
 Type V? Var. "Br. line not seen on A3602). Probably due to defect."
~~I am not sure as to the bright line. Ident. may be wrong.~~
 Iden. correct if left hand, brighter star is to be taken. ~~Not~~
 bright star.
 Type III
 Type III
 Type III
 Type IV Var ~~?~~ Known V Triang Aust.
 Type III
 Type III
 Type V known
 Type III
 Type III Var. ~~?~~ New on B 38526
 Type III
 Type III
 Type III
 Type III

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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date	1908	No	Plate	[[?]]	H	Object	Design	RA	Dec	Magn
----	----	----	----	----	----	----	----	----	----	----

July 28|14829|38552| |☒|Mb|CPD-56° 7938|16 50
~~[[/strickethrough]] 6 [[/strickethrough]] 5|-56 [[/strickethrough]] 7~~
~~[[/strickethrough]] .1|8.8 [[symbol - checkmark with w]]~~

July 28|14830|38552| |☒|Mb|CPD-5~~[[/strickethrough]] 3~~
~~[[/strickethrough]] 4° [[/strickethrough]] 8445 [[/strickethrough]] 7~~
~~[[/strickethrough]] 0 [[/strickethrough]] 964 [[/strickethrough]] 17 2.2~~
~~[[/strickethrough]] 16 51.0 [[/strickethrough]] -53 13.0 [[/strickethrough]] -54~~
~~42.8 [[/strickethrough]] 8.3 [[/strickethrough]] 9.4 [[symbol - checkmark with w]]~~

July 28|14831|38552| |☒|Mb|CPD-53° 8445|17 2.2|-53
 13.0|8.3 [[symbol - checkmark with w]]

July 28|14832|38553| |☒|Mb|CPD-57° 7155|15 33.0|-57
 42.6|8.5 [[symbol - checkmark with w]]

July 28|14833|38553| |☒|Ma|CPD~~[[/strickethrough]] -56 7263~~
~~[[/strickethrough]] -55° 7018|15 55. [[/strickethrough]] 8~~
~~[[/strickethrough]] 3 [[/strickethrough]] -56 1.9 [[/strickethrough]] -55~~
~~59.7 [[/strickethrough]] 9.0 [[/strickethrough]] 8.2 [[?]]~~

July 28|14834|38553| |☒|Ma|CPD-52° 9258|15 58.6|-52°
 44.3|7.9 [[symbol - checkmark with w]]

July 28|14835|38553| |☒|Ma|CDM-51° 9521|15 39.9|-51
 49.6|7.3 [[symbol - checkmark with w]]

July 28|14836|38553| |☒|Mb|CDM-49° 9783|15 26.8|-49
 52.2|9.1 [[symbol - checkmark with w]]

July 28|14837|38554| |☒|Br. line|C.D.M.-41 10972|16 43.6|-
 41 38.0|7.3|

July 28|14838|38554| |☒|Br. line|C.D.M.-44 11041|16 45.6|-
 41 36|8.0|

July 28|14839|38554| |☒|Mb|c|C.D.M.-35 10969|16 20.6|-
 35 24.6|8.1|

July 29|14840|38364| |☒|Mb|CPD-72° 2739|22 50.4|-72
 30.2|8.2 [[symbol - checkmark with w]]

July 29|14841|38364| |☒|Mc5d|CPD-70° 3001|23 8.6|-70
 56.0|8.6 [[symbol - checkmark with w]]

36									
Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	Q	H	Object	Design	RA	Dec	Magn
July 28	14829	38552			Mr. 56° 7938	16 50	16 50	56	8
"	14830	"			Mr. 5° 8445	17 2.2	17 2.2	53	7
"	14831	"			Mr. 53° 8445	17 2.2	17 2.2	53	7
"	14832	38553			Mr. 57° 7155	15 33.0	15 33.0	57	8
"	14833	"			Mr. 56° 7263	15 55	15 55	56	8
"	14834	"			Mr. 55° 7018	15 55	15 55	55	8
"	14835	"			Mr. 51° 9521	15 39.9	15 39.9	51	8
"	14836	"			Mr. 49° 9783	15 26.8	15 26.8	49	8
"	14837	38554			Br. line	10972	16 43.6	41	7.3
"	14838	"			Br. line	11041	16 45.6	41	8.0
"	14839	"			Mr. 35° 10969	16 20.6	16 20.6	35	8.1
"	14840	"			Mr. 72° 2739	22 50.4	22 50.4	72	8.2
"	14841	"			Mc5d	70° 3001	23 8.6	70	8.6

|July 29|14842|38364| |☒|Mb|CPD-64° 4328|23 5.0|-64
33.9|9.1 ☐|

|July 29|14843|38364| |☒|Ma|CPD-64° 4307|22 52.0|-64
22.2|8.8 ☐|

|July 29|14844|38365| |☒|Ma|CPD-68° 37|0 56.0|-68
46.0|9.6 ☐|

|July 29|14845|38365| |☒|Ma|CPD-68° 60|1 25.2|-68 7.9|8.4
☐|

|July 29|14846|38365| |☒|Mb|CPD-65° 127|1 13.2|-65
52.2|8.2 ☐|

|July 29|14847|38365| |☒|Mb|CPD-66° 80|0 57.9|-66 7.8|7.8
☐|

|July 29|14848|38365| |☒|Mc5d|CPD-65° 108|0 58.4|-65
2.1|9.5 ☐|

|July 29|14849|38365| |☒|Mb|CPD-63° 83|0 48.4|-63
33.0|7.8 ☐|

|July 29|14850|38366| |☒|Mb|CPD-71° 159|2 41.8|-71
44.0|8.2 ☐|

|July 29|14851|38366| |☒|Ma|CPD-70° 182|2 48.5|-70
19.6|9.6 ☐|

|July 29|14852|38366| |☒|Ma|CPD-69° 187|3 22.0|-69
45.1|9.6 ☐|

|July 29|14853|38366| |☒|Mb|CPD-69° 149|2 44.5|-69
24.8|8.8 ☐|

|July 29|14854|38366| |☒|Mc5d|CPD-70° 155|2 25.9|-70
5.1|8.0 ☐|

|July 29|14855|38366| |☒|Mb|CPD-66° 169|3 1.6|-66 1.1|8.7
☐|

|July 30|14856|38368| |☒|Ma|CPD-72° 2739|22 50.4|-72
30.2|8.2 ☐|

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Type III

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" IV Known

" " 1900 pos. = 16 47.3-41 40

" III

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" " Var? Very slight-change see B36171

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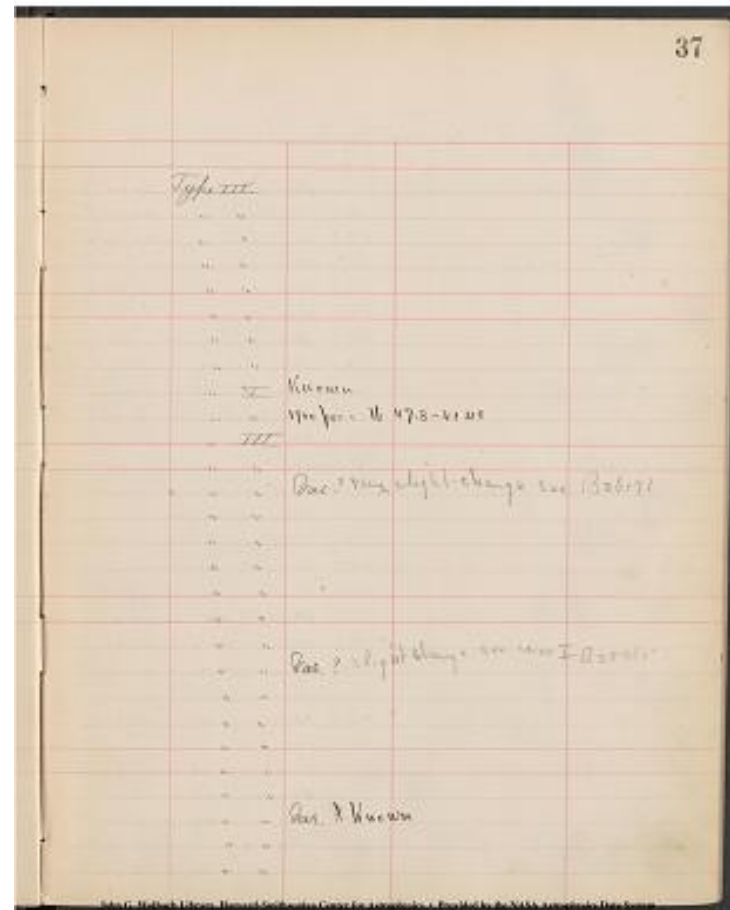
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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

[Date][No][Plate][V][H][Object][Design][RA][Dec][Magn]

1908 | | | | | | | | | |

July 30|14857|38368| | |Mc5d|CPD-70° 3001|23 8.6|-70 56.0|8.6

^[[w]]

July 30|14858|38368| | |Ma|CPD-68° 3594|23 55.6|-68 58.1|9.4 ^[[w]]

July 30|14859|38368| | |Mb|CPD-64° 4306|22 51.4|-64 51.0|8.6 ^[[w]]

July 30|14860|38369| | |Ma|CPD-61° 99|1 19.3|-61 16.9|8.9 ^[[w]]

July 30|14861|38369| | |Mb|CPD-65° 127|1 13.2|-65 52.2|8.2 ^[[w]]

July 30|14862|38370| | |Ma|CPD-66° 196|3 29.8|-66 42.9|8.7 ^[[w]]

July 30|14863|38370| | |Mb|CPD-66° 269|3 1.6|-66 1.1|8.7 ^[[w]]

July 30|14864|38370| | |Ma|CPD-65° 250|3 30.7|-65 50.1|8.7 ^[[w]]

July 30|14865|38370| | |Mb|CPD-60°

25|~~4~~|~~3~~|3|~~28.8~~|~~26.2~~|-60|~~16.8~~|~~24.2~~|~~7.0~~|~~9.8~~ ^[[w]]

July 30|14866|38370| | |Mb|CPD-59° 251|3 0.5|-59 43.6|9.0 ^[[w]]

July 30|14867|38370| | |M|~~b~~|~~d~~?|CPD-59° 250|3 0.4|-59 25.2|8.4 ^[[w]]

Aug. 4|14868|38371| | |Br lines|CPD-66° 343|4 56.4|-66 39.8|9.1

^[[w]]

Aug. 4|14869|38371| | |Cluster|CPD-66° 344|4 56.5|-66 36.0|neb

^[[w]]

Aug. 4|14870|38371| | |Ma|CPD-66° 374|5 36.3|-66 21.8|9.3 ^[[w]]

Aug. 4|14871|38371| | |Mb|CPD-65° 421|5 3.4|-65 11.0|8.9 ^[[w]]

Aug. 4|14872|38371| | |Mb|CPD-63° 420|5 6.6|-63 33.4|7.1 ^[[w]]

Aug. 4|14873|38371| | |Ma|CPD-62° 501|5 39.1|-62 59.9|8.9 ^[[w]]

Aug. 4|14874|38371| | |Ma|CPD-60° 389|5 8.6|-60 35.5|9.3 ^[[w]]

Aug. 4|14875|38384| | |Mb|CPD-77° 1563|23 1.6|-77 8.4|8.6 ^[[w]]

Aug. 4|14876|38384| | |Ma|CPD-74° 2074|23 24.6|-74 53.4|8.8 ^[[w]]

Aug. 4|14877|38384| | |Mc5d|CPD-70° 3001|23 8.6|-70 56.0|8.6

^[[w]]

Aug. 4|14878|38385| | |Ma|CPD-77° 1561|22 55.3|-77 36.0|9.0 ^[[w]]

Aug. 4|14879|38385| | |Ma|CPD-77° 1563|23 1.6|-77 8.4|8.6 ^[[w]]

Aug. 4|14880|38385| | |Mb|CPD-69° 3340|23

52|~~4~~|~~6~~|-69 38.0|9.4 ^[[w]]

Aug. 4|14881|38387| | |Mb|CPD-70° 549|6 41.7|-70 11.3|9.4 ^[[w]]

Aug. 4|14882|38387| | |Mb|CPD-70° 566|6 48.3|-70 19.5|9.2 ^[[w]]

Aug. 4|14883|38387| | |Pec|CPD-69° 642|6 39.4|-69 58.8|9.7 ^[[w]]

Aug. 4|14884|38387| | |Ma|CPD-69° 565|6 4.9|-69 41.8|9.5 ^[[w]]

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Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object	Design	RA	Dec	Magn
July 30	14857	38368			Mc5d	CPD-70° 3001	23 8.6	-70 56.0	8.6
July 30	14858	38368			Ma	CPD-68° 3594	23 55.6	-68 58.1	9.4
July 30	14859	38368			Mb	CPD-64° 4306	22 51.4	-64 51.0	8.6
July 30	14860	38369			Ma	CPD-61° 99	1 19.3	-61 16.9	8.9
July 30	14861	38369			Mb	CPD-65° 127	1 13.2	-65 52.2	8.2
July 30	14862	38370			Ma	CPD-66° 196	3 29.8	-66 42.9	8.7
July 30	14863	38370			Mb	CPD-66° 269	3 1.6	-66 1.1	8.7
July 30	14864	38370			Ma	CPD-65° 250	3 30.7	-65 50.1	8.7
July 30	14865	38370			Mb	CPD-60°			
Aug. 4	14866	38370			Mb	CPD-59° 251	3 0.5	-59 43.6	9.0
Aug. 4	14867	38370			M	CPD-59° 250	3 0.4	-59 25.2	8.4
Aug. 4	14868	38371			Br lines	CPD-66° 343	4 56.4	-66 39.8	9.1
Aug. 4	14869	38371			Cluster	CPD-66° 344	4 56.5	-66 36.0	neb
Aug. 4	14870	38371			Ma	CPD-66° 374	5 36.3	-66 21.8	9.3
Aug. 4	14871	38371			Mb	CPD-65° 421	5 3.4	-65 11.0	8.9
Aug. 4	14872	38371			Mb	CPD-63° 420	5 6.6	-63 33.4	7.1
Aug. 4	14873	38371			Ma	CPD-62° 501	5 39.1	-62 59.9	8.9
Aug. 4	14874	38371			Ma	CPD-60° 389	5 8.6	-60 35.5	9.3
Aug. 4	14875	38384			Mb	CPD-77° 1563	23 1.6	-77 8.4	8.6
Aug. 4	14876	38384			Ma	CPD-74° 2074	23 24.6	-74 53.4	8.8
Aug. 4	14877	38384			Mc5d	CPD-70° 3001	23 8.6	-70 56.0	8.6
Aug. 4	14878	38385			Ma	CPD-77° 1561	22 55.3	-77 36.0	9.0
Aug. 4	14879	38385			Ma	CPD-77° 1563	23 1.6	-77 8.4	8.6
Aug. 4	14880	38385			Mb	CPD-69° 3340	23		
Aug. 4	14881	38387			Mb	CPD-70° 549	6 41.7	-70 11.3	9.4
Aug. 4	14882	38387			Mb	CPD-70° 566	6 48.3	-70 19.5	9.2
Aug. 4	14883	38387			Pec	CPD-69° 642	6 39.4	-69 58.8	9.7
Aug. 4	14884	38387			Ma	CPD-69° 565	6 4.9	-69 41.8	9.5

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Type III	Var. 2	Not confirmed	24 June 1962	16/21
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Law, R.

1790

Task 3

Re III

James H. Henshaw

- William

Reviews

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2022 0

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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

[Date][No][Plate][V][H][Object][Design][RA][Dec][Magn.]

Aug. 4 1908|14913|38408| | |Mb|CPD -57° 2340|9 44.4|-57 4.7|9.2

^[[w]]

Aug. 4 1908|14914|38408| | |Mb|CPD -56° 2531|9 43.2|-56 45.9|9.2

^[[w]]

Aug. 4 1908|14915|38408| | |Mb|CPD -53° 2566|9 29.7|-53 29.0|8.9

^[[w]]

Aug. 4 1908|14916|38408| | |Ma|CPD -53° 2544|9 28.7|-53 29.4|8.9

^[[w]]

Aug. 4 1908|14917|38408| | |Ma|CPD -52° 2368|9 22.7|-52 58.4|8.5

^[[w]]

Aug. 4 1908 | 14918 |38408| | |Ma|CPD -52°

3245|~~9~~|10 2.9|-52 38.9 |8.8 ^[[w]]

Aug. 4 1908 | 14919 |38408| | |Mb|CPD -49° 4733|9 45.7|-49

51.1|7.8 ^[[w]]

Aug. 4 1908|14919^a|38408| | |Mb|CPD -50° 2917|10 5.2|-56

2.5|9.2 |

Aug. 25 1908|14920|38409| | |Mb|CPD -57° 4405|11 5.6|-57 44.6|8.3

^[[w]]

Aug. 25 1908|14921|38409| | |Mb|CPD -57° 4555|11 13.2|-57

30.1|8.4 ^[[w]]

Aug. 25 1908|14922|38409| | |Ma|CPD -55°

40~~75~~|~~52~~|10 58.0|~~55 14.4~~|~~55~~56.8|~~55 14.4~~|~~55~~44.0|~~9.3~~|~~9.4~~|~~m~~|

Aug. 25 1908|14923|38409| | |Mb|CPD -55° 4075|10 56.8|-55

14.4|9.3 ^[[w]]

Aug. 25 1908|14924|38409| | |Ma|CPD -55° 4046|10 55.0|-55

10.5|9.2 ^[[w]]

Aug. 25 1908|14925|38409| | |Ma|CPD -54° 4516|11 18.7|-54

27.1|9.4 ^[[w]]

Aug. 25 1908|14926|38409| | |Mc|CPM -50°

~~3654~~|~~5655~~|10 59.0|-50 32.7|8.9 ^[[w]]

Aug. 25 1908|14927|38411| | |Mb5c|DM +2° 1196|6 13.5|+2 37.9|7.8

^[[w]]

Aug. 25 1908|14928|38411| | |Mb|DM +3° 1233|6 17.1|+3 50.5|8.8

^[[w]]

Aug. 25 1908|14929|38411| | |Ma|DM +5° 1198|6 13.1|+5 47.8|8.3

^[[w]]

Aug. 25 1908|14930|38834| | |Ma|CPD -67° 1454|10 37.5|-67 3.3|9.2

^[[w]]

Aug. 25 1908|14931|38834| | |Mb|CPD -66° 1507|10 58.3|-66

27.2|9.1 ^[[w]]

Aug. 25 1908|1493~~2~~|~~38834~~| | |Br. lines|CPD -64°1629|11 1.~~4~~|~~3~~|~~3~~|~~64 50.1~~|8.3 ^[[w]]Aug. 25 1908|1493~~3~~|~~38834~~| | |Br. lines|~~CPD -64° 1629~~|~~1588~~|~~Est.~~1875|~~10 1.4~~|~~55.6~~|~~10~~55.5|~~64 50.1~~|~~35.7~~|~~64~~~~6~~|~~34~~|~~9.8~~|

Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object	Design	RA	Dec	Magn.
Aug. 4 1908	14913	38408			Mb	CPD -57° 2340	9 44.4	-57 4.7	9.2
"	14914	"			Mb	CPD -56° 2531	9 43.2	-56 45.9	9.2
"	14915	"			Mb	CPD -53° 2566	9 29.7	-53 29.0	8.9
"	14916	"			Ma	CPD -53° 2544	9 28.7	-53 29.4	8.9
"	14917	"			Ma	CPD -52° 2368	9 22.7	-52 58.4	8.5
"	14918	"			Ma	CPD -52° 3245	10 2.9	-52 38.9	8.8
"	14919	"			Mb	CPD -49° 4733	9 45.7	-49 51.1	7.8
"	14919 ^a	"			Mb	CPD -50° 2917	10 5.2	-56 2.5	9.2
Aug. 25 1908	14920	38409			Mb	CPD -57° 4405	11 5.6	-57 44.6	8.3
"	14921	38409			Mb	CPD -57° 4555	11 13.2	-57 30.1	8.4
"	14922	38409			Ma	CPD -55° 4075	10 58.0	-55 14.4	55
"	14923	38409			Mb	CPD -55° 4075	10 56.8	-55 14.4	9.3
"	14924	38409			Ma	CPD -55° 4046	10 55.0	-55 10.5	9.2
"	14925	38409			Ma	CPD -54° 4516	11 18.7	-54 27.1	9.4
"	14926	38409			Mc	CPM -50° 3654	10 59.0	-50 32.7	8.9
"	14927	38411			Mb5c	DM +2° 1196	6 13.5	+2 37.9	7.8
"	14928	38411			Mb	DM +3° 1233	6 17.1	+3 50.5	8.8
"	14929	38411			Ma	DM +5° 1198	6 13.1	+5 47.8	8.3
"	14930	38834			Ma	CPD -67° 1454	10 37.5	-67 3.3	9.2
"	14931	38834			Mb	CPD -66° 1507	10 58.3	-66 27.2	9.1
"	14932	38834			Br. lines	CPD -64° 1629	11 1.4	-64 50.1	8.3
"	14933	38834			Br. lines	CPD -64° 1629	11 1.4	-64 50.1	8.3
"	14934	38834			Br. lines	CPD -64° 1629	11 1.4	-64 50.1	8.3
"	14935	38834			Br. lines	CPD -64° 1629	11 1.4	-64 50.1	8.3
"	14936	38834			Br. lines	CPD -64° 1629	11 1.4	-64 50.1	8.3
"	14937	38834			Br. lines	CPD -64° 1629	11 1.4	-64 50.1	8.3
"	14938	38834			Br. lines	CPD -64° 1629	11 1.4	-64 50.1	8.3
"	14939	38834			Br. lines	CPD -64° 1629	11 1.4	-64 50.1	8.3
"	14940	38834			Br. lines	CPD -64° 1629	11 1.4	-64 50.1	8.3

|Aug. 25 1908|14934|38834| | |~~(Est.~~
 1875)~~Announced~~ 1900 pos.~~10~~
 46.~~10 47.9~~~~-61 6~~~~-61 46~~
 |Aug. 25 1908|14935|38834| | |Ma|CPD -61° 1955|10 49.2|-61
 22.5|8.9 ^[[w]]|
 |Aug. 25 1908|14936|38834| | |Mb|CPD -
 6~~0~~~~1°~~
 19~~40~~~~36~~10
 48.~~3~~~~0~~-
 61~~21.0~~~~20.7~~~~9.6~~~~ough~~9.3|
 |Aug. 25 1908|14937|38834| | |Ma|CPD -60° 1945|10 26.2|-60
 42.9|8.6 ^[[w]]|
 |Aug. 25 1908|14938|38834| | |Mb|CPD -60° 2370|10 49.1|-60
 25.6|9.4 ^[[w]]|
 |Aug. 25 1908|14939|38834| | |Br. lines|CPD -60° 2578|11 4.8|-60
 18.0| 8.0 ^[[w]]|
 |Aug. 25 1908|14940|38834| | |A pec.|CPD -59° 2860|10 51.2|-59
 47.1|7.6 ^[[w]]|

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Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
 Bache Plates #99
 Transcribed and Reviewed by Digital Volunteers
 Extracted Aug-29-2022 03:01:38

Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III

Type V Nova? Var? 20 chart plates exam by Mrs. F. show no evidence variation. See cover A5848. Known Type V A.G.C. 15220 11 2.3 -64° 58' 8.2^h[[Magn.]]

1900 pos 10 56.5 -64 42 Type V Known Gas neb.

Type V

C.P.D.-61 1956, 9.5, superposed. Type III

Type III

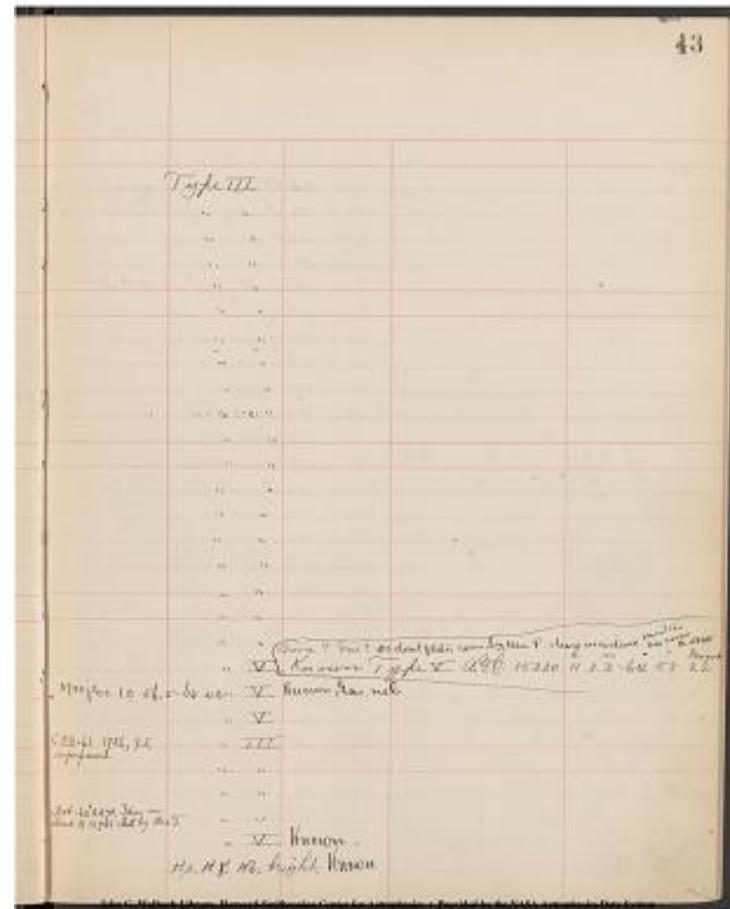
Type III

Not -60° 2371. Iden. on chart B12741 ch'd by Mrs. F. Type III

Type V Known.

H beta, H gamma, H delta, bright. Known.

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Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
 Bache Plates #99
 Transcribed and Reviewed by Digital Volunteers
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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

1908

[Date][No][Plate][V][H][Object][Design][RA][Dec][Magn.]

Aug. 25 1908 14941 38834 | | A pec. CPD -59° 2855 10 51.0 -59

43.5 8.7^ [w]]

Aug. 25 1908 14942 38834 | | Mb CPD -59°

235 ~~53.9~~ ~~54.0~~ ~~54.8~~ ~~54.9~~ ~~55.0~~ ~~55.1~~ ~~55.2~~ ~~55.3~~ ~~55.4~~ ~~55.5~~ ~~55.6~~ ~~55.7~~ ~~55.8~~ ~~55.9~~ ~~56.0~~ ~~56.1~~ ~~56.2~~ ~~56.3~~ ~~56.4~~ ~~56.5~~ ~~56.6~~ ~~56.7~~ ~~56.8~~ ~~56.9~~ ~~57.0~~ ~~57.1~~ ~~57.2~~ ~~57.3~~ ~~57.4~~ ~~57.5~~ ~~57.6~~ ~~57.7~~ ~~57.8~~ ~~57.9~~ ~~58.0~~ ~~58.1~~ ~~58.2~~ ~~58.3~~ ~~58.4~~ ~~58.5~~ ~~58.6~~ ~~58.7~~ ~~58.8~~ ~~58.9~~ ~~59.0~~ ~~59.1~~ ~~59.2~~ ~~59.3~~ ~~59.4~~ ~~59.5~~ ~~59.6~~ ~~59.7~~ ~~59.8~~ ~~59.9~~ ~~60.0~~ ~~60.1~~ ~~60.2~~ ~~60.3~~ ~~60.4~~ ~~60.5~~ ~~60.6~~ ~~60.7~~ ~~60.8~~ ~~60.9~~ ~~61.0~~ ~~61.1~~ ~~61.2~~ ~~61.3~~ ~~61.4~~ ~~61.5~~ ~~61.6~~ ~~61.7~~ ~~61.8~~ ~~61.9~~ ~~62.0~~ ~~62.1~~ ~~62.2~~ ~~62.3~~ ~~62.4~~ ~~62.5~~ ~~62.6~~ ~~62.7~~ ~~62.8~~ ~~62.9~~ ~~63.0~~ ~~63.1~~ ~~63.2~~ ~~63.3~~ ~~63.4~~ ~~63.5~~ ~~63.6~~ ~~63.7~~ ~~63.8~~ ~~63.9~~ ~~64.0~~ ~~64.1~~ ~~64.2~~ ~~64.3~~ ~~64.4~~ ~~64.5~~ ~~64.6~~ ~~64.7~~ ~~64.8~~ ~~64.9~~ ~~65.0~~ ~~65.1~~ ~~65.2~~ ~~65.3~~ ~~65.4~~ ~~65.5~~ ~~65.6~~ ~~65.7~~ ~~65.8~~ ~~65.9~~ ~~66.0~~ ~~66.1~~ ~~66.2~~ ~~66.3~~ ~~66.4~~ ~~66.5~~ ~~66.6~~ ~~66.7~~ ~~66.8~~ ~~66.9~~ ~~67.0~~ ~~67.1~~ ~~67.2~~ ~~67.3~~ ~~67.4~~ ~~67.5~~ ~~67.6~~ ~~67.7~~ ~~67.8~~ ~~67.9~~ ~~68.0~~ ~~68.1~~ ~~68.2~~ ~~68.3~~ ~~68.4~~ ~~68.5~~ ~~68.6~~ ~~68.7~~ ~~68.8~~ ~~68.9~~ ~~69.0~~ ~~69.1~~ ~~69.2~~ ~~69.3~~ ~~69.4~~ ~~69.5~~ ~~69.6~~ ~~69.7~~ ~~69.8~~ ~~69.9~~ ~~70.0~~ ~~70.1~~ ~~70.2~~ ~~70.3~~ ~~70.4~~ ~~70.5~~ ~~70.6~~ ~~70.7~~ ~~70.8~~ ~~70.9~~ ~~71.0~~ ~~71.1~~ ~~71.2~~ ~~71.3~~ ~~71.4~~ ~~71.5~~ ~~71.6~~ ~~71.7~~ ~~71.8~~ ~~71.9~~ ~~72.0~~ ~~72.1~~ ~~72.2~~ ~~72.3~~ ~~72.4~~ ~~72.5~~ ~~72.6~~ ~~72.7~~ ~~72.8~~ ~~72.9~~ ~~73.0~~ ~~73.1~~ ~~73.2~~ ~~73.3~~ ~~73.4~~ ~~73.5~~ ~~73.6~~ ~~73.7~~ ~~73.8~~ ~~73.9~~ ~~74.0~~ ~~74.1~~ ~~74.2~~ ~~74.3~~ ~~74.4~~ ~~74.5~~ ~~74.6~~ ~~74.7~~ ~~74.8~~ ~~74.9~~ ~~75.0~~ ~~75.1~~ ~~75.2~~ ~~75.3~~ ~~75.4~~ ~~75.5~~ ~~75.6~~ ~~75.7~~ ~~75.8~~ ~~75.9~~ ~~76.0~~ ~~76.1~~ ~~76.2~~ ~~76.3~~ ~~76.4~~ ~~76.5~~ ~~76.6~~ ~~76.7~~ ~~76.8~~ ~~76.9~~ ~~77.0~~ ~~77.1~~ ~~77.2~~ ~~77.3~~ ~~77.4~~ ~~77.5~~ ~~77.6~~ ~~77.7~~ ~~77.8~~ ~~77.9~~ ~~78.0~~ ~~78.1~~ ~~78.2~~ ~~78.3~~ ~~78.4~~ ~~78.5~~ ~~78.6~~ ~~78.7~~ ~~78.8~~ ~~78.9~~ ~~79.0~~ ~~79.1~~ ~~79.2~~ ~~79.3~~ ~~79.4~~ ~~79.5~~ ~~79.6~~ ~~79.7~~ ~~79.8~~ ~~79.9~~ ~~80.0~~ ~~80.1~~ ~~80.2~~ ~~80.3~~ ~~80.4~~ ~~80.5~~ ~~80.6~~ ~~80.7~~ ~~80.8~~ ~~80.9~~ ~~81.0~~ ~~81.1~~ ~~81.2~~ ~~81.3~~ ~~81.4~~ ~~81.5~~ ~~81.6~~ ~~81.7~~ ~~81.8~~ ~~81.9~~ ~~82.0~~ ~~82.1~~ ~~82.2~~ ~~82.3~~ ~~82.4~~ ~~82.5~~ ~~82.6~~ ~~82.7~~ ~~82.8~~ ~~82.9~~ ~~83.0~~ ~~83.1~~ ~~83.2~~ ~~83.3~~ ~~83.4~~ ~~83.5~~ ~~83.6~~ ~~83.7~~ ~~83.8~~ ~~83.9~~ ~~84.0~~ ~~84.1~~ ~~84.2~~ ~~84.3~~ ~~84.4~~ ~~84.5~~ ~~84.6~~ ~~84.7~~ ~~84.8~~ ~~84.9~~ ~~85.0~~ ~~85.1~~ ~~85.2~~ ~~85.3~~ ~~85.4~~ ~~85.5~~ ~~85.6~~ ~~85.7~~ ~~85.8~~ ~~85.9~~ ~~86.0~~ ~~86.1~~ ~~86.2~~ ~~86.3~~ ~~86.4~~ ~~86.5~~ ~~86.6~~ ~~86.7~~ ~~86.8~~ ~~86.9~~ ~~87.0~~ ~~87.1~~ ~~87.2~~ ~~87.3~~ ~~87.4~~ ~~87.5~~ ~~87.6~~ ~~87.7~~ ~~87.8~~ ~~87.9~~ ~~88.0~~ ~~88.1~~ ~~88.2~~ ~~88.3~~ ~~88.4~~ ~~88.5~~ ~~88.6~~ ~~88.7~~ ~~88.8~~ ~~88.9~~ ~~89.0~~ ~~89.1~~ ~~89.2~~ ~~89.3~~ ~~89.4~~ ~~89.5~~ ~~89.6~~ ~~89.7~~ ~~89.8~~ ~~89.9~~ ~~90.0~~ ~~90.1~~ ~~90.2~~ ~~90.3~~ ~~90.4~~ ~~90.5~~ ~~90.6~~ ~~90.7~~ ~~90.8~~ ~~90.9~~ ~~91.0~~ ~~91.1~~ ~~91.2~~ ~~91.3~~ ~~91.4~~ ~~91.5~~ ~~91.6~~ ~~91.7~~ ~~91.8~~ ~~91.9~~ ~~92.0~~ ~~92.1~~ ~~92.2~~ ~~92.3~~ ~~92.4~~ ~~92.5~~ ~~92.6~~ ~~92.7~~ ~~92.8~~ ~~92.9~~ ~~93.0~~ ~~93.1~~ ~~93.2~~ ~~93.3~~ ~~93.4~~ ~~93.5~~ ~~93.6~~ ~~93.7~~ ~~93.8~~ ~~93.9~~ ~~94.0~~ ~~94.1~~ ~~94.2~~ ~~94.3~~ ~~94.4~~ ~~94.5~~ ~~94.6~~ ~~94.7~~ ~~94.8~~ ~~94.9~~ ~~95.0~~ ~~95.1~~ ~~95.2~~ ~~95.3~~ ~~95.4~~ ~~95.5~~ ~~95.6~~ ~~95.7~~ ~~95.8~~ ~~95.9~~ ~~96.0~~ ~~96.1~~ ~~96.2~~ ~~96.3~~ ~~96.4~~ ~~96.5~~ ~~96.6~~ ~~96.7~~ ~~96.8~~ ~~96.9~~ ~~97.0~~ ~~97.1~~ ~~97.2~~ ~~97.3~~ ~~97.4~~ ~~97.5~~ ~~97.6~~ ~~97.7~~ ~~97.8~~ ~~97.9~~ ~~98.0~~ ~~98.1~~ ~~98.2~~ ~~98.3~~ ~~98.4~~ ~~98.5~~ ~~98.6~~ ~~98.7~~ ~~98.8~~ ~~98.9~~ ~~99.0~~ ~~99.1~~ ~~99.2~~ ~~99.3~~ ~~99.4~~ ~~99.5~~ ~~99.6~~ ~~99.7~~ ~~99.8~~ ~~99.9~~ ~~100.0~~ ~~100.1~~ ~~100.2~~ ~~100.3~~ ~~100.4~~ ~~100.5~~ ~~100.6~~ ~~100.7~~ ~~100.8~~ ~~100.9~~ ~~101.0~~ ~~101.1~~ ~~101.2~~ ~~101.3~~ ~~101.4~~ ~~101.5~~ ~~101.6~~ ~~101.7~~ ~~101.8~~ ~~101.9~~ ~~102.0~~ ~~102.1~~ ~~102.2~~ ~~102.3~~ ~~102.4~~ ~~102.5~~ ~~102.6~~ ~~102.7~~ ~~102.8~~ ~~102.9~~ ~~103.0~~ ~~103.1~~ ~~103.2~~ ~~103.3~~ ~~103.4~~ ~~103.5~~ ~~103.6~~ ~~103.7~~ ~~103.8~~ ~~103.9~~ ~~104.0~~ ~~104.1~~ ~~104.2~~ ~~104.3~~ ~~104.4~~ ~~104.5~~ ~~104.6~~ ~~104.7~~ ~~104.8~~ ~~104.9~~ ~~105.0~~ ~~105.1~~ ~~105.2~~ ~~105.3~~ ~~105.4~~ ~~105.5~~ ~~105.6~~ ~~105.7~~ ~~105.8~~ ~~105.9~~ ~~106.0~~ ~~106.1~~ ~~106.2~~ ~~106.3~~ ~~106.4~~ ~~106.5~~ ~~106.6~~ ~~106.7~~ ~~106.8~~ ~~106.9~~ ~~107.0~~ ~~107.1~~ ~~107.2~~ ~~107.3~~ ~~107.4~~ ~~107.5~~ ~~107.6~~ ~~107.7~~ ~~107.8~~ ~~107.9~~ ~~108.0~~ ~~108.1~~ ~~108.2~~ ~~108.3~~ ~~108.4~~ ~~108.5~~ ~~108.6~~ ~~108.7~~ ~~108.8~~ ~~108.9~~ 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~~119.0~~ ~~119.1~~ ~~119.2~~ ~~119.3~~ ~~119.4~~ ~~119.5~~ ~~119.6~~ ~~119.7~~ ~~119.8~~ ~~119.9~~ ~~120.0~~ ~~120.1~~ ~~120.2~~ ~~120.3~~ ~~120.4~~ ~~120.5~~ ~~120.6~~ ~~120.7~~ ~~120.8~~ ~~120.9~~ ~~121.0~~ ~~121.1~~ ~~121.2~~ ~~121.3~~ ~~121.4~~ ~~121.5~~ ~~121.6~~ ~~121.7~~ ~~121.8~~ ~~121.9~~ ~~122.0~~ ~~122.1~~ ~~122.2~~ ~~122.3~~ ~~122.4~~ ~~122.5~~ ~~122.6~~ ~~122.7~~ ~~122.8~~ ~~122.9~~ ~~123.0~~ ~~123.1~~ ~~123.2~~ ~~123.3~~ ~~123.4~~ ~~123.5~~ ~~123.6~~ ~~123.7~~ ~~123.8~~ ~~123.9~~ ~~124.0~~ ~~124.1~~ ~~124.2~~ ~~124.3~~ ~~124.4~~ ~~124.5~~ ~~124.6~~ ~~124.7~~ ~~124.8~~ ~~124.9~~ ~~125.0~~ ~~125.1~~ ~~125.2~~ ~~125.3~~ ~~125.4~~ ~~125.5~~ ~~125.6~~ ~~125.7~~ ~~125.8~~ ~~125.9~~ ~~126.0~~ ~~126.1~~ ~~126.2~~ ~~126.3~~ ~~126.4~~ ~~126.5~~ ~~126.6~~ ~~126.7~~ ~~126.8~~ ~~126.9~~ ~~127.0~~ ~~127.1~~ ~~127.2~~ ~~127.3~~ ~~127.4~~ ~~127.5~~ ~~127.6~~ ~~127.7~~ ~~127.8~~ ~~127.9~~ ~~128.0~~ ~~128.1~~ ~~128.2~~ ~~128.3~~ ~~128.4~~ ~~128.5~~ ~~128.6~~ ~~128.7~~ ~~128.8~~ ~~128.9~~ ~~129.0~~ ~~129.1~~ ~~129.2~~ ~~129.3~~ ~~129.4~~ ~~129.5~~ ~~129.6~~ ~~129.7~~ ~~129.8~~ ~~129.9~~ ~~130.0~~ ~~130.1~~ ~~130.2~~ ~~130.3~~ ~~130.4~~ ~~130.5~~ ~~130.6~~ ~~130.7~~ ~~130.8~~ ~~130.9~~ ~~131.0~~ ~~131.1~~ ~~131.2~~ ~~131.3~~ ~~131.4~~ ~~131.5~~ ~~131.6~~ ~~131.7~~ ~~131.8~~ ~~131.9~~ ~~132.0~~ ~~132.1~~ ~~132.2~~ ~~132.3~~ ~~132.4~~ ~~132.5~~ ~~132.6~~ ~~132.7~~ ~~132.8~~ ~~132.9~~ ~~133.0~~ ~~133.1~~ ~~133.2~~ ~~133.3~~ ~~133.4~~ ~~133.5~~ ~~133.6~~ ~~133.7~~ ~~133.8~~ ~~133.9~~ ~~134.0~~ ~~134.1~~ ~~134.2~~ ~~134.3~~ ~~134.4~~ ~~134.5~~ ~~134.6~~ ~~134.7~~ ~~134.8~~ ~~134.9~~ ~~135.0~~ ~~135.1~~ ~~135.2~~ ~~135.3~~ ~~135.4~~ ~~135.5~~ ~~135.6~~ ~~135.7~~ ~~135.8~~ ~~135.9~~ ~~136.0~~ ~~136.1~~ ~~136.2~~ ~~136.3~~ ~~136.4~~ ~~136.5~~ ~~136.6~~ ~~136.7~~ ~~136.8~~ ~~136.9~~ ~~137.0~~ ~~137.1~~ ~~137.2~~ ~~137.3~~ ~~137.4~~ ~~137.5~~ ~~137.6~~ ~~137.7~~ ~~137.8~~ ~~137.9~~ ~~138.0~~ ~~138.1~~ ~~138.2~~ ~~138.3~~ ~~138.4~~ ~~138.5~~ ~~138.6~~ ~~138.7~~ ~~138.8~~ ~~138.9~~ ~~139.0~~ ~~139.1~~ ~~139.2~~ ~~139.3~~ ~~139.4~~ ~~139.5~~ ~~139.6~~ ~~139.7~~ ~~139.8~~ ~~139.9~~ ~~140.0~~ ~~140.1~~ ~~140.2~~ ~~140.3~~ ~~140.4~~ ~~140.5~~ ~~140.6~~ ~~140.7~~ ~~140.8~~ ~~140.9~~ ~~141.0~~ ~~141.1~~ ~~141.2~~ ~~141.3~~ ~~141.4~~ ~~141.5~~ ~~141.6~~ ~~141.7~~ ~~141.8~~ ~~141.9~~ ~~142.0~~ ~~142.1~~ ~~142.2~~ ~~142.3~~ ~~142.4~~ ~~142.5~~ ~~142.6~~ ~~142.7~~ ~~142.8~~ ~~142.9~~ ~~143.0~~ ~~143.1~~ ~~143.2~~ ~~143.3~~ ~~143.4~~ ~~143.5~~ ~~143.6~~ ~~143.7~~ ~~143.8~~ ~~143.9~~ ~~144.0~~ ~~144.1~~ ~~144.2~~ ~~144.3~~ ~~144.4~~ ~~144.5~~ ~~144.6~~ ~~144.7~~ ~~144.8~~ ~~144.9~~ ~~145.0~~ ~~145.1~~ ~~145.2~~ ~~145.3~~ ~~145.4~~ ~~145.5~~ ~~145.6~~ ~~145.7~~ ~~145.8~~ ~~145.9~~ ~~146.0~~ ~~146.1~~ ~~146.2~~ ~~146.3~~ ~~146.4~~ ~~146.5~~ ~~146.6~~ ~~146.7~~ ~~146.8~~ ~~146.9~~ ~~147.0~~ ~~147.1~~ ~~147.2~~ ~~147.3~~ ~~147.4~~ ~~147.5~~ ~~147.6~~ ~~147.7~~ ~~147.8~~ ~~147.9~~ ~~148.0~~ ~~148.1~~ ~~148.2~~ ~~148.3~~ ~~148.4~~ ~~148.5~~ ~~148.6~~ ~~148.7~~ ~~148.8~~ ~~148.9~~ 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~~159.0~~ ~~159.1~~ ~~159.2~~ ~~159.3~~ ~~159.4~~ ~~159.5~~ ~~159.6~~ ~~159.7~~ ~~159.8~~ ~~159.9~~ ~~160.0~~ ~~160.1~~ ~~160.2~~ ~~160.3~~ ~~160.4~~ ~~160.5~~ ~~160.6~~ ~~160.7~~ ~~160.8~~ ~~160.9~~ ~~161.0~~ ~~161.1~~ ~~161.2~~ ~~161.3~~ ~~161.4~~ ~~161.5~~ ~~161.6~~ ~~161.7~~ ~~161.8~~ ~~161.9~~ ~~162.0~~ ~~162.1~~ ~~162.2~~ ~~162.3~~ ~~162.4~~ ~~162.5~~ ~~162.6~~ ~~162.7~~ ~~162.8~~ ~~162.9~~ ~~163.0~~ ~~163.1~~ ~~163.2~~ ~~163.3~~ ~~163.4~~ ~~163.5~~ ~~163.6~~ ~~163.7~~ ~~163.8~~ ~~163.9~~ ~~164.0~~ ~~164.1~~ ~~164.2~~ ~~164.3~~ ~~164.4~~ ~~164.5~~ ~~164.6~~ ~~164.7~~ ~~164.8~~ ~~164.9~~ ~~165.0~~ ~~165.1~~ ~~165.2~~ ~~165.3~~ ~~165.4~~ ~~165.5~~ ~~165.6~~ ~~165.7~~ ~~165.8~~ ~~165.9~~ ~~166.0~~ ~~166.1~~ ~~166.2~~ ~~166.3~~ ~~166.4~~ ~~166.5~~ ~~166.6~~ ~~166.7~~ ~~166.8~~ ~~166.9~~ ~~167.0~~ ~~167.1~~ ~~167.2~~ ~~16~~

H beta, H gamma, H delta, bright.

Type III see A5768[^][[spect.]] & A2549[^][[chart.]]

Type III

Type V

Type III

Type V y Carinae~~[[spect.]]?[[/spect.]]~~

Type V

Type V

~~[[spect.]]~~Type V~~[[/spect.]]~~

Type III

MA'd on chart B15919. Type III

Type V

Type III

Type III

Type III

Type III

Type III

Type III

Type III

Type III

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Type III

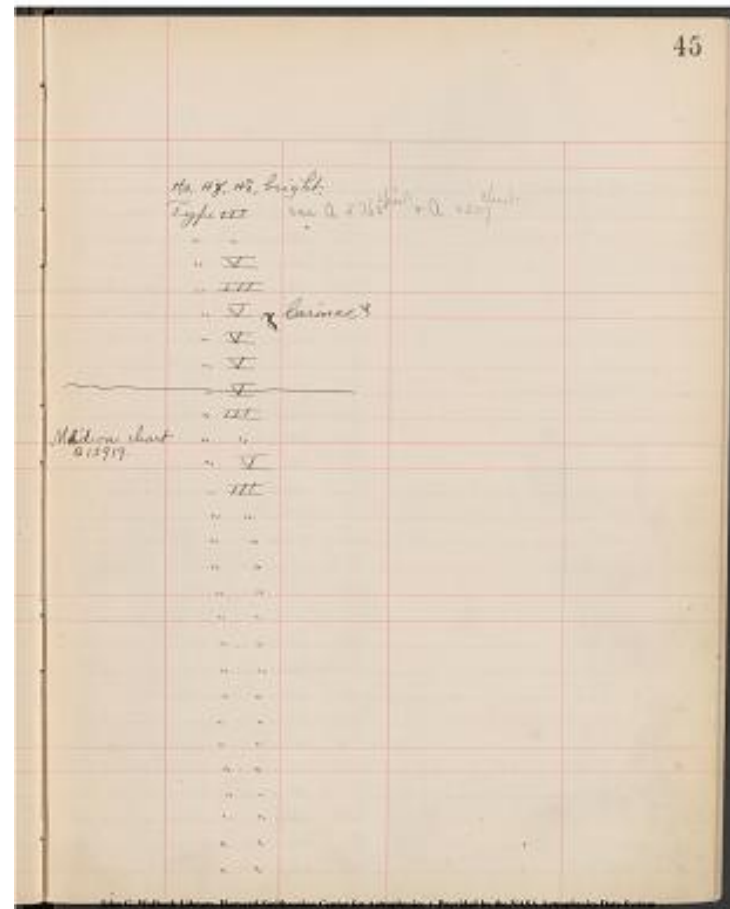
Type III

Type III

Type III

Type III

John C. Wolbach Library, Harvard-Smithsonian Center for Astrophysics.
Provided by the NASA Astrophysics Data Systems



Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
Bache Plates #99
Transcribed and Reviewed by Digital Volunteers
Extracted Aug-29-2022 03:01:38

Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

Date	No	Plate	V	H	Object	Design	Aa	Dec	Magn.
Aug. 26 1908	1908	14969	38956		Mb CPD -66° 1507	10 58.3	-66	27.2	9.1
Aug. 26 1908	14970	38956			Br. lines CPD -65° 1629	11 1.3	-64	50.1	8.3
Aug. 26 1908	14971	38957			Mb CPD -62° 2234	11 35.9	-62	43.2	9.0
Aug. 26 1908	14972	38957			Mb CPD -61° 3078	12 11.5	-61	56.9	9.1
Aug. 26 1908	14973	38957			Ma CPD -61° 2780	11 48.8	-61	53.0	9.0
Aug. 26 1908	14974	38957			Ma CPD -60° 3178	11 31.1	-60	29.3	8.7
Aug. 26 1908	14975	38957			Mb CPD -60° 3196	11 31.7	-60	12.8	8.2
Aug. 26 1908	14976	38957			Ma5 CPD -60° 3069	11 29.0	-60	5.9	8.7
Aug. 26 1908	14977	38957			Ma CPD -58° 4289	12 20.6	-58	18.0	8.3
Aug. 26 1908	14978	38957			Br. lines CPD -56° 481				
Aug. 26 1908	14979	38957			Ma CPD -56° 4863	11 48.2	-56	16.4	8.5
Aug. 26 1908	14980	38957			Mb CPD -54° 4969	12 0.2	-54	22.4	9.0
Aug. 26 1908	14981	38957			Mb CPD -5° 4932	11 56.7	-54	30.0	9.1
Aug. 26 1908	14982	38957			Na CPD -54° 4904	11 54.0	-54	25.4	9.8
Aug. 26 1908	14983	38957			Ma CPD -54° 4672	11 32.0	-54	0.7	8.6
Aug. 26 1908	14984	38957			Mb CPD -53° 46	11 27.6	-53	4.1	8.2
Aug. 26 1908	14988	38958			Br. lines CPD -64° 2183	13 0.1	-64	38.1	6.1
Aug. 26 1908	14989	38958			Mb CPD -63° 2528	12 58.2	-63	51.5	51.5 (9.2)
Aug. 26 1908	14990	38958			Mb5c CPD -6° 250	13 13.9	-63	33.7	9.5

Aug. 26 1908| 1908|14969|38956| | |Mb|CPD-66° 1507|10 58.3|-66 27.2|9.1

Aug. 26 1908|14970|38956| | |Br. lines| CPD -65° 1629|11 1.3|-64 50.1|8.3|

Aug. 26 1908|14971|38957| | |Mb| CPD -62° 2234|11 35.9|-62 43.2|9.0

Aug. 26 1908|14972|38957| | |Mb | CPD -61° 3078 | 12 11.5 | -61 56.9 | 9.1

Aug. 26 1908|14973|38957| | |Ma | CPD -61° 2780 | 11 48.8 | -61 53.0 | 9.0

Aug. 26 1908|14974|38957| | |Ma | CPD -60° 3178 | 11 31.1 | -60 29.3 | 8.7

Aug. 26 1908|14975|38957| | |Mb | CPD -60° 3196 | 11 31.7 | -60 12.8 | 8.2

Aug. 26 1908|14976|38957| | |Ma5 | CPD -60° 3069 | 11 29.0 | -60 5.9 | 8.7

Aug. 26 1908|14977|38957| | |Ma | CPD -58° 4289 | 12 20.6 | -58 18.0 | 8.3

Aug. 26 1908|14978|38957| | |Br. lines | CPD -56° 481

[[/strikethrough]] 5 [[/strikethrough]] 8 | 11 44. [[/strikethrough]] 0

[[/strikethrough]] 1 | -56 [[/strikethrough]] 8.9 | 8.9 [[/strikethrough]] 29.2 | 9.2

Aug. 26 1908|14979|38957| | |Ma | CPD -56° 4863 | 11 48.2 | -56 16.4 | 8.5

Aug. 26 1908|14980|38957| | |Mb | CPD -54° 4969 | 12 0.2 | -54 22.4 | 9.0

Aug. 26 1908|14981|38957| | |Mb | CPD -5° 4932 | 11 56.7 | -54 30.0 | 9.1

Aug. 26 1908|14982|38957| | |Na | CPD -54° 4904 | 11 54.0 | -54 25.4 | 9.8

Aug. 26 1908|14983|38957| | |Ma | CPD -54° 4672 | 11 32.0 | -54 0.7 | 8.6

Aug. 26 1908|14984|38957| | |Mb | CPD -53° 46 [[/strikethrough]] 36

[[/strikethrough]] 27 | 11 28. [[/strikethrough]] 8 [[/strikethrough]] 3 | -53

[[/strikethrough]] 58.1 | 8.7 [[/strikethrough]] 52.0 | 9.0

Aug. 26 1908|14985|38957| | |Ma | CPD -53° 4691 | 11 34.7 | -53 16.4 | 7.7

Aug. 26 1908|14986|38958| | |Ma | CPD -67° 2192 | 13 0.2 | -67 7.7 | 8.6

Aug. 26 1908|14987|38958| | |Mb5 | CPD -67° 2005 | 12 27.6 | -67 4.1 | 8.2

Aug. 26 1908|14988|38958| | |Br. lines | CPD -64° 2183 | 13 0.1 | -64 38.1 | 6.1

Aug. 26 1908|14989|38958| | |Mb | CPD -63° 2528 | 12 58.2 | -63 51.5 | 51.5 (9.2)

Aug. 26 1908|14990|38958| | |Mb5c | CPD -6° 250

[[/strikethrough]] 3° 250 [[/strikethrough]] 3 [[/strikethrough]] 7 | 12

[[/strikethrough]] 55.4 | -63 27.0 | 9.2 [[/strikethrough]] 56.0 | -63 25.6 | 9.3

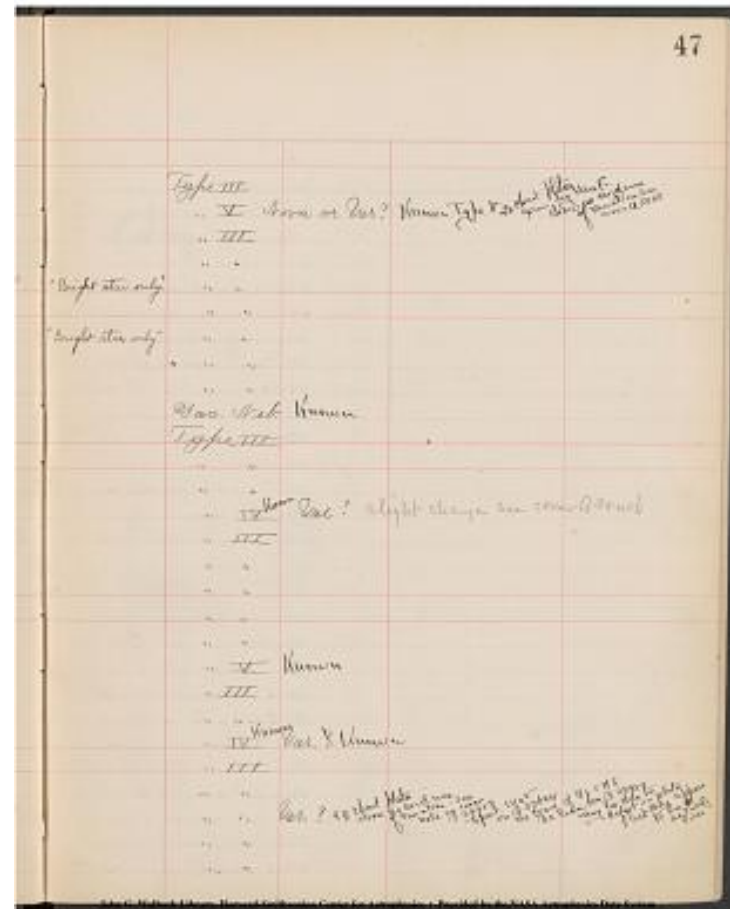
Aug. 26 1908|14991|38958| | |Na | CPD -63° 2720 | 13 13.9 | -63 33.7 | (9.5)

46									
Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object	Design	Aa	Dec	Magn.
Aug. 26 1908	1908	14969	38956		Mb CPD -66° 1507	10 58.3	-66	27.2	9.1
"	"	14970	"	"	Br. lines CPD -65° 1629	11 1.3	-64	50.1	8.3
"	"	14971	38957		Mb CPD -62° 2234	11 35.9	-62	43.2	9.0
"	"	14972	"	"	Mb CPD -61° 3078	12 11.5	-61	56.9	9.1
"	"	14973	"	"	Ma CPD -61° 2780	11 48.8	-61	53.0	9.0
"	"	14974	"	"	Ma CPD -60° 3178	11 31.1	-60	29.3	8.7
"	"	14975	"	"	Mb CPD -60° 3196	11 31.7	-60	12.8	8.2
"	"	14976	"	"	Ma5 CPD -60° 3069	11 29.0	-60	5.9	8.7
"	"	14977	"	"	Ma CPD -58° 4289	12 20.6	-58	18.0	8.3
"	"	14978	"	"	Br. lines CPD -56° 481				
"	"	14979	"	"	Ma CPD -56° 4863	11 48.2	-56	16.4	8.5
"	"	14980	"	"	Mb CPD -54° 4969	12 0.2	-54	22.4	9.0
"	"	14981	"	"	Mb CPD -5° 4932	11 56.7	-54	30.0	9.1
"	"	14982	"	"	Na CPD -54° 4904	11 54.0	-54	25.4	9.8
"	"	14983	"	"	Ma CPD -54° 4672	11 32.0	-54	0.7	8.6
"	"	14984	"	"	Mb CPD -53° 46	11 27.6	-53	4.1	8.2
"	"	14988	"	"	Br. lines CPD -64° 2183	13 0.1	-64	38.1	6.1
"	"	14989	"	"	Mb CPD -63° 2528	12 58.2	-63	51.5	51.5 (9.2)
"	"	14990	"	"	Mb5c CPD -6° 250	13 13.9	-63	33.7	9.5

Aug. 26 1908|14992|38958| | | Ma | CPD -61° 3078 | 12 11.5 | -61
56.9 | (9.1)
Aug. 26 1908|14993|38958| | | Mb | CPD -60° 456 ~~3~~
~~8~~ | 13 ~~9.4~~ | -60 53.1 | 8.6
~~9.4~~ | -60 55.4 | (9.0)
Aug. 26 1908|14994|38958| | | Md4 | CPD -60° 4579 | 13 10.3 | -60
40.1 | (8.7)
Aug. 26 1908|14995|38958| | | Mb | CPD -58° 4289 | 12 20.6 | -58
18.0 | (8.3)
Aug. 26 1908|14996|38958| | | Ma | CPD -58° 4691 | 12 59.4 | -58 8.2
| (8.4)

Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
Bache Plates #99
Transcribed and Reviewed by Digital Volunteers
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Type III
 Type V Nova or Var ? Known Type V 20 chart plates exam by Mrs. F.
 show no evidence of variation. See cover A 5848
 Type III
 Type III
 "Bright star only." Type III
 Type III
 "Bright star only." Type III
 Type III
 Type III
 Gas. Neb. Known
 Type III
 Type III
 Type III
 Type III
 Type IV Known Var ? slight change see cover B38406
 Type III
 Type III
 Type III
 Type III
 Type V Known
 Type III
 Type III
 Type IV Known Var. ~~[[/strikethrough]]~~ ? ~~[[/strikethrough]]~~ Known
 Type III
 Type III
 Type III Var. ? 22 chart plate show no evidence of variation. See note on
 cover B 38958 "Spect. 111a5 on B 37624 no trace of H gamma & H
 delta Br. line on B 38958 may be due to defect on plate but they appear
 to be actual lines
 Type III
 Type III



Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
 Bache Plates #99
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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

1908

Date|No|Plate|V|H|Object|Design|RA|Dec|Magn.|

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

Aug. 26 1908| 14997 | 38959 | | | Ma | CPD -66° 2646 | 14 38.3 | -66
19.0 | 9.3Aug. 26 1908| 14998 | 38959 | | | Br. lines | CPD -65° 2513 | 13 44.7 |
-65 53.8 | 10.0Aug. 26 1908| 14999 | 38986 | | | Mb5 | CPD -57° 4555 | 11 13.2 | -57
30.1 | 8.4

Aug. 26 1908| 15000 | 38986 | | | Mb5 | CPD -57° 4405 |

[[/strikethrough]] 10 5.6 [[/strikethrough]] 11 6.6 | -57 44.6 | 8.3

Aug. 26 1908| 15001 | 38986 | | | Mb | CPD -57° [[/strikethrough]] 3998

[[/strikethrough]] 4002 | 10 51. [[/strikethrough]] 0 [[/strikethrough]] 1 | -57
[[/strikethrough]] 24.5 [[/strikethrough]] 23.1 | 8.4Aug. 26 1908| 15002 | 38986 | | | Mb5 | CPD -55° 4075 | 10 56.8 | -55
14.4 | 9.3

Aug. 26 1908| 15003 | 38986 | | | Mb | CPD -54° 386 [[/strikethrough]] 5

[[/strikethrough]] 3 | 10 31. [[/strikethrough]] 9 [[/strikethrough]] 8 | -54

[[/strikethrough]] 40.6 | 8.4 [[/strikethrough]] 34.2 | 9.2

Aug. 26 1908| 15004 | 38986 | | | Ma | CPD -5 [[/strikethrough]] 3

[[/strikethrough]] 4° 3624 | 10 21.0 | -54 21.2 | 8.0

Aug. 26 1908| 15005 | 38986 | | | Mb | CPD -53° 3758 | 10 19.8 | -53
41.2 | 8.0

Aug. 26 1908| 15006 | 38986 | | | Ma | CPD -53° 3793 | 10 21.

[[/strikethrough]] 3 [[/strikethrough]] 4 | -53 15.4 | 7.8

Aug. 26 1908| 15007 | 38986 | | | Mb | CPD -52° 4209 | 11 2.5 | -52 7.7
| 8.9

Aug. 26 1908| 15008 | 38986 | | | Mc | CDM -50° [[/strikethrough]] 3654

[[/strikethrough]] 5655 | 10 59.0 | -50 32.7 | 8.9

Aug. 26 1908| 15009 | 38986 | | | Ma | CDM -49° 5831 | 11 0.7 | -49
46.2 | 7.2

Aug. 26 1908| 15010 | 38986 | | | Ma | CDM -48° [[/strikethrough]] 3

[[/strikethrough]] 5861 | 10 37.7 | -48 24.2 | 7.3

Aug. 26 1908| 15011 | 38987 | | | Mb5 | CPD -52° 61 [[/strikethrough]]

44 | 12 57.4 | -52 28.5 | 8.6 [[/strikethrough]] 39 | 12 56.9 | -52 13.3 | 8.4

Aug. 26 1908| 15012 | 38988 | | | Mb5 | CPD -55° 6001 | 14 14.2 | -55
23.3 | 8.8

Aug. 26 1908| 15013 | 38989 | | | Br. lines | [[/strikethrough]] not cat.

star [[/strikethrough]] C.P.D. -62° 5141 | 15 52.8 | -62 20.3 | 8.8

Aug. 26 1908| 15014 | 38989 | | | Br. lines | CPD -62° 4470 | 15 13.7 | -
62 13.7 | 8.8Aug. 26 1908| 15015 | 38989 | | | Ma | CPD -56° 6696 | 15 10.6 | -56
56.4 | 8.1

Aug. 26 1908| 15016 | 38573 | | | Mb | CPD -52° 3863 | 10 39.0 | -52

26.2 | 9. [[/strikethrough]] 0 [[/strikethrough]] 2

Aug. 26 1908| 15017 | 38573 | | | Ma | CDM -50° 5065 | 10 15.6 | -50
49.3 | 7.7

Aug. 26 1908| 15018 | 38573 | | | Pec. | CDM -49° 5234 | 10

[[/strikethrough]] 19.0 [[/strikethrough]] 20.0 | -49 46.4 | 9.6

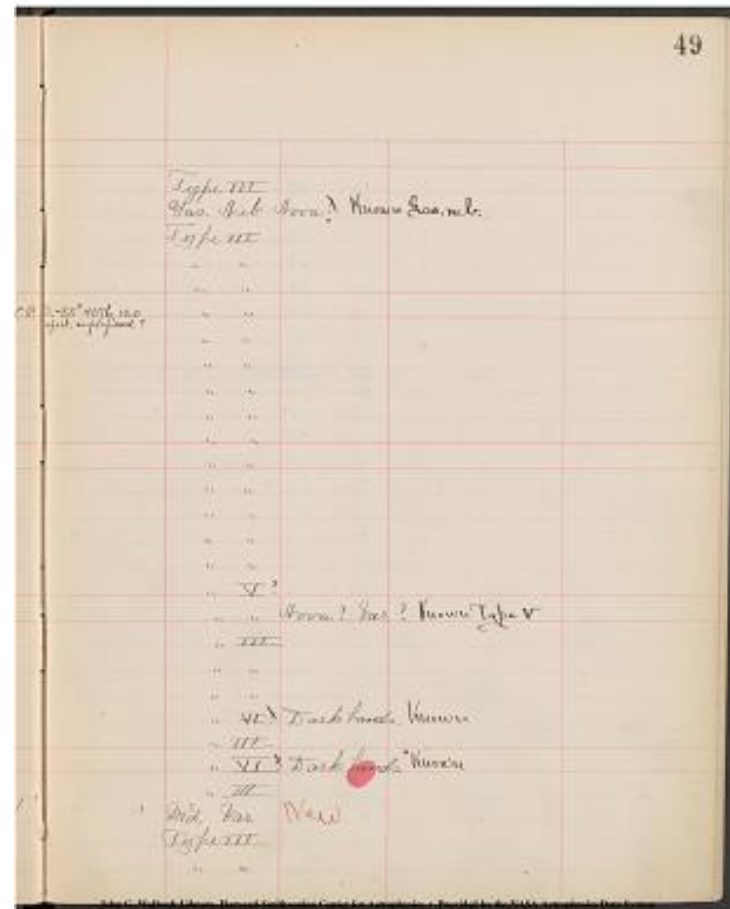
Aug. 26 1908| 15019 | 38573 | | | Ma | CDM -49° 5257 | 10 21.5 | -49
14.9 | 8.6Aug. 26 1908| 15020 | 38573 | | | Pec. | CDM -47° 5992 | 10 29.2 | -47
45.1 | 9.3Aug. 26 1908| 15021 | 38573 | | | Ma | CDM -46° 6415 | 10 40.3 | -46
48.1 | 7.2

Date	No.	Plate	V	H	Object	Design	RA	Dec	Magn.
Aug. 26	14997	38959			Ma	CPD -66° 2646	14 38.3	-66 19.0	9.3
Aug. 26	14998	38959			Br. lines	CPD -65° 2513	13 44.7	-65 53.8	10.0
Aug. 26	14999	38986			Mb5	CPD -57° 4555	11 13.2	-57 30.1	8.4
Aug. 26	15000	38986			Mb5	CPD -57° 4405			
Aug. 26	15001	38986			Mb	CPD -57°			
Aug. 26	15002	38986			Mb5	CPD -55° 4075	10 56.8	-55 14.4	9.3
Aug. 26	15003	38986			Mb	CPD -54° 386			
Aug. 26	15004	38986			Ma	CPD -5			
Aug. 26	15005	38986			Mb	CPD -53° 3758	10 19.8	-53 41.2	8.0
Aug. 26	15006	38986			Ma	CPD -53° 3793	10 21.		
Aug. 26	15007	38986			Mb	CPD -52° 4209	11 2.5	-52 7.7	8.9
Aug. 26	15008	38986			Mc	CDM -50°			
Aug. 26	15009	38986			Ma	CDM -49° 5831	11 0.7	-49 46.2	7.2
Aug. 26	15010	38986			Ma	CDM -48°			
Aug. 26	15011	38987			Mb5	CPD -52° 61			
Aug. 26	15012	38988			Mb5	CPD -55° 6001	14 14.2	-55 23.3	8.8
Aug. 26	15013	38989			Br. lines				
Aug. 26	15014	38989			Br. lines	CPD -62° 4470	15 13.7	-62 13.7	8.8
Aug. 26	15015	38989			Ma	CPD -56° 6696	15 10.6	-56 56.4	8.1
Aug. 26	15016	38573			Mb	CPD -52° 3863	10 39.0	-52 26.2	9.
Aug. 26	15017	38573			Ma	CDM -50° 5065	10 15.6	-50 49.3	7.7
Aug. 26	15018	38573			Pec.	CDM -49° 5234	10		
Aug. 26	15019	38573			Ma	CDM -49° 5257	10 21.5	-49 14.9	8.6
Aug. 26	15020	38573			Pec.	CDM -47° 5992	10 29.2	-47 45.1	9.3
Aug. 26	15021	38573			Ma	CDM -46° 6415	10 40.3	-46 48.1	7.2

Aug. 26 1908| 15022 |38573 | | | Br. lines | not cat star. (Est 1900) | 10
26.0 | -46 12 | |
Aug. 26 1908| 15023 |38573 | | | Ma | CDM -45° 6045 | 10 19.5 | -45
33.0 | 8.7
Aug. 26 1908| 15024 |38573 | | | Mb | CDM -44° 6630 | 10 29.5 | -44
18.0 | 9.7

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Type III
 Gas. neb. Nova ~~[[strikethrough]]?[[/strikethrough]]~~ Known Gas. neb.
 Type III
 Type III
 Type III
 C.P. D. -55° 4076, 10.0 spect. superposed ? Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type V ?
 Type III Nova? Var? Known Type V
 Type III
 Type III
 Type III
 Type VI Dark bands. Known.
 Type III
 Type VI Dark bands Known
 Type III
 Md Var. New
 Type III
 Type III



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29.5 | 9.5
Aug. 26 | 15050 | 38999 | | | Br. lines | CDM -38° 12545 | 18 2.2 | -38
10.9 | 10.0
Aug. 26 | 15051 | 38999 | | | Mb | CDM -38° 12486 | 17 58.8 | -38 13.2
| 8.3
Aug. 26 | 15052 | 38999 | | | Ma | CDM -38° 12931 | 18 27.7 | -38 14.7
| 7.5

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Type V ~~?~~ Known

Type IV Var. ? Known

Type III

Dark Lands. Known

Type III

Type III

Type III

Type III

~~see note on cover Defect?~~ ~~^~~ ~~[[?]]~~

~~which~~ ~~^~~ ~~[[this]]~~ star is just over

~~northern~~ ~~^~~ ~~[[southern]]~~ limit of plate not to be put in Type III cat.

Type III

Type III

Gas. Neb. Known

Type III

Type III

Type III

Type III

Type III

Type III

Type III

Type III

Type III

Gas. Neb. on Nova? Known Gas. Neb. { * Error in dec. C.D.M. about 2' south (corrected = ~~29~~ 28.6) see B 33493.

Type III

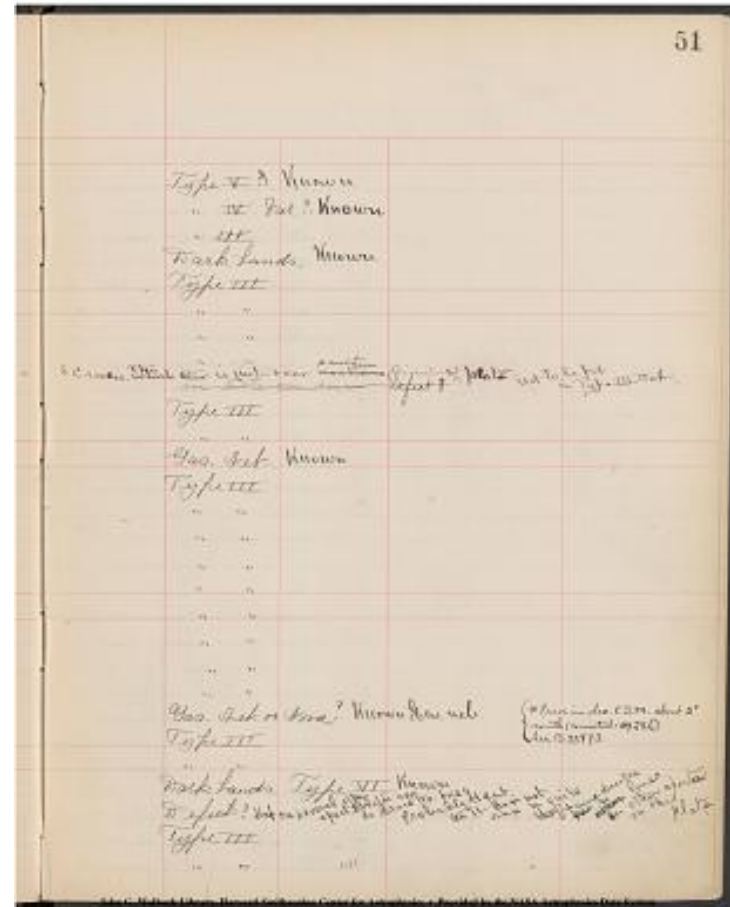
Type III

Dark bands. Type VI Known

Defect? Not on several other spect. B plates. Probably defect as it does not seem quite the same direction ~~pos.~~ ~~pos.~~ as in other other spectra on this plate

Type III

Type III



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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

[Date|No.|Plate|V|H|Object|Design.|RA|Dec|Magn.]

Date	No.	Plate	V	H	Object	Design.	RA	Dec	Magn.
Aug. 26 1908	15503	38999			Ma CDM-36°	12264	18 0.8	-36	
59.2	8.3	[[w]]							
Nov. 5 1908	15054	39383			Ma CDM-62°	6437	23 37.0	-62	
25.3	8.2	[[w]]							
Nov. 5 1908	15055	39383			Ma CPD-60°	7654	23 15.7	-60	
44.4	7.6	[[w]]							
Nov. 5 1908	15056	39383			Ma CPD-56°	10004	23 0.4	-56	
49.1	8.5	[[w]]							
Nov. 5 1908	15057	39383			Ma CPD-56°	10144	23 40.1	-56	
30.1	8.0	[[w]]							
Nov. 5 1908	15058	39384			Md5 CDM-23°	12676	15 27.1	-23	
45.2	9.3	[[w]]							
Nov. 5 1908	15059	39384			Cont. CDM-26°	11314	16 15.9	-26	
14.0	cum.	[[w]]							
Nov. 5 1908	15060	39385			Ma CDM-25°				
11989	[[strikethrough]]	16	[[strikethrough]]	17	1.9	-25 22.8	8.8	[[w]]	
Nov. 5 1908	15061	39385			Ma CDM-24°	13058	16 56.2	-24	
39.9	9.0	[[w]]							
Nov. 5 1908	15062	39385			MI CDM-23°	13113	16 59.0	-23	
43.9	8.5	[[w]]							
Nov. 5 1908	15063	39385			MI DM-21°	4587	17 12.7	-21	
24.3	8.6	[[w]]							
Nov. 5 1908	15064	39385			Ma DM-19°	4498	16 54.8	-19	
55.9	8.2	[[w]]							
Nov. 5 1908	15065	39386			Ma CDM-27°	12682	18 10.0	-27	
23.4	7.4	[[w]]							
Nov. 5 1908	15066	39386			Br. Lines CDM-24°	13806	17 56.0	-24	
23.3	9.9	[[w]]							
Nov. 5 1908	15067	39386			Ma DM-20°	4974	17 56.0	-20	
47.4	9.5	[[w]]							
Nov. 6 1908	15068	39387			Ma CDM-28°	15921	19 24.5	-28	
0.5	9.1	[[w]]							
Nov. 6 1908	15069	39387			Ma DM-22°	5169	19 28.8	-22	
16.1	8.2	[[w]]							
Nov. 6 1908	15070	39387			Ma DM-20°	5658	19 33.0	-20	
25.3	8.5	[[w]]							
Nov. 6 1908	15071	39387			Ma DM-18°	5404	19 23.5	-18	
57.5	8.3	[[w]]							
Nov. 6 1908	15072	39388			MI CDM-27°	15569	21 34.1	-27	
33.1	9.1	[[w]]							
Nov. 6 1908	15073	39388			Conp. CDM-23°	17047	21 33.3	-23	
44.3	neb.	[[w]]							
Nov. 6 1908	15074	39388			Ma DM-19°	6161	21 39.3	-19	
44.2	8.8	[[w]]							
Nov. 6 1908	15075	39389			Ma DM-20°	6636	23 34.2	-20 33.5	7.8
Nov. 6 1908	15076	39390			Ma DM-4°	4332	17 34.9	-4	
46.4	6.5	[[w]]							
Nov. 6 1908	15077	39390			Mc5d DM-2°	4482	17 45.5	-2	
32.1	7.5	[[w]]							
Nov. 6 1908	15078	39390			Pec. DM-2°	4461	17 42.0	-2	
10.5	8.5	[[w]]							
Nov. 6 1908	15079	39390			Ma DM-1°	3419	17 48.6	-1	
23.0	8.3	[[w]]							

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Objects of Interest on Southern Spectrum Plates

Date	No.	Plate	V	H	Object	Design.	RA	Dec	Magn.
Aug. 26	15503	38999			Ma	12264	18 0.8	-36	
Nov. 5	15054	39383			Ma	6437	23 37.0	-62	
	15055	39383			Ma	7654	23 15.7	-60	
	15056	39383			Ma	10004	23 0.4	-56	
	15057	39383			Ma	10144	23 40.1	-56	
	15058	39384			Md5	12676	15 27.1	-23	
	15059	39384			Cont.	11314	16 15.9	-26	
	15060	39385			Ma				
	15061	39385			Ma	13058	16 56.2	-24	
	15062	39385			MI	13113	16 59.0	-23	
	15063	39385			MI	4587	17 12.7	-21	
	15064	39385			Ma	4498	16 54.8	-19	
	15065	39386			Ma	12682	18 10.0	-27	
	15066	39386			Br. Lines	13806	17 56.0	-24	
	15067	39386			Ma	4974	17 56.0	-20	
	15068	39387			Ma	15921	19 24.5	-28	
	15069	39387			Ma	5169	19 28.8	-22	
	15070	39387			Ma	5658	19 33.0	-20	
	15071	39387			Ma	5404	19 23.5	-18	
	15072	39388			MI	15569	21 34.1	-27	
	15073	39388			Conp.	17047	21 33.3	-23	
	15074	39388			Ma	6161	21 39.3	-19	
	15075	39389			Ma	6636	23 34.2	-20 33.5	7.8
	15076	39390			Ma	4332	17 34.9	-4	
	15077	39390			Mc5d	4482	17 45.5	-2	
	15078	39390			Pec.	4461	17 42.0	-2	
	15079	39390			Ma	3419	17 48.6	-1	

|Nov. 6 1908|15080|39391| | |Md?|DM-22° 4958|18 55.0|-22
54.8|8.5^[[w]]|

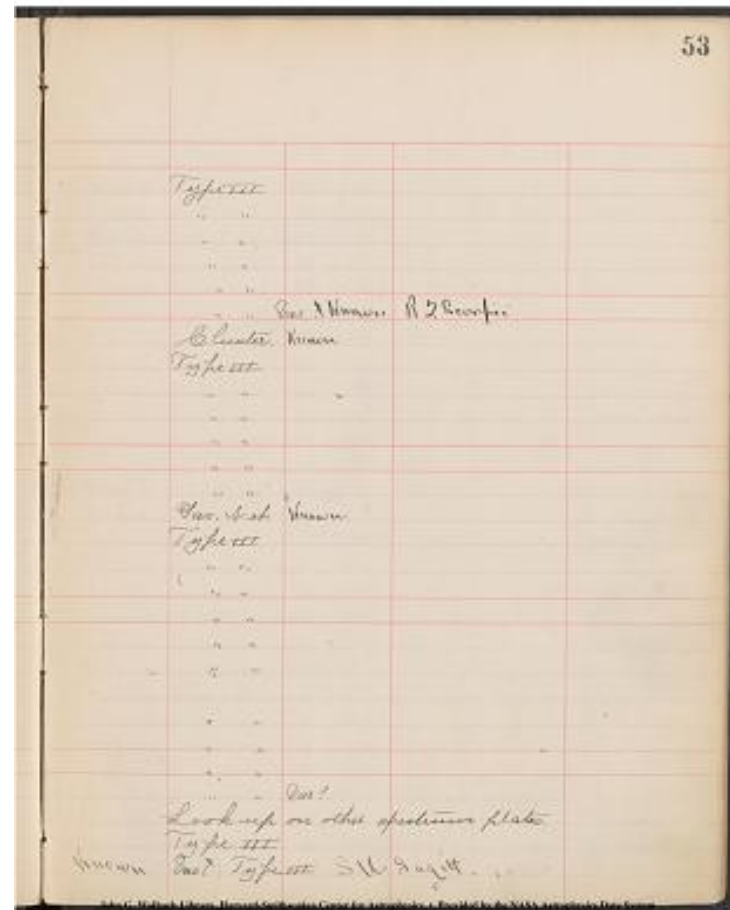
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Type III
 Type III
 Type III
 Type III
 Type III
 Type III Var ~~?~~ Known RZ Scorp
 Cluster. Known
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Gas. Neb. Known
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III

Type III
 Type III
 Type III
 Type III Var?

Look up on other spectrum plates.
 Type III
 Known Var? Type III SU Sagitt.

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Objects of Interest on Southern Spectrum Plates

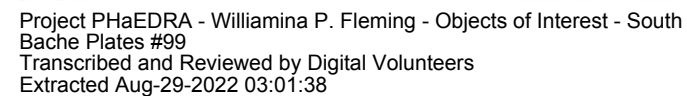
[[10 columned table]]

Date 1908|No.|Plate|V|H|Object|Design|RA|Dec|Magn.|

Nov. 6 15081 39391					Md4 Approx pos. 19 4.8 -21 49 (1855)			
Nov. 6 15082 39391					Mb5c DM-21° 5348 19 12.0 -21 13.9 9.4			
Nov. 6 15083 39391					Md6 Approx pos 19 11.2 -21 11 (1855) ^			
Nov. 6 15084 39391					Ma DM-20° 5472 19 8.4 -20 50.2 9.6 ^			
Nov. 6 15085 39391					Md6 Approx pos 19 17.1 -20 23 (1855) ^			
Nov. 6 15086 39391					Ma DM-19° 5388 19 9.8 -19 37.0 8.5 ^			
Nov. 6 15087 39391					Md5 DM-19° 5367 19 8.2 -19 33.7 var. ^			
Nov. 6 15088 39391					Mb DM-19° 5255 18 50.9 -19 28.1 7.0 ^			
Nov. 6 15089 39391					Ma5b DM-19° 5250 18 [[strikethrough]] 49.9			
[[strikethrough]] 50 -19 21.8 8.8 ^								
Nov. 6 15090 39391					Mb5c DM-19° 5347 19 5.4 -19 6.4 9.7 ^			
Nov. 6 15091 39391					MC DM-18° 5311 19 12.4 -18 28.1 9.2 ^			
Nov. 6 15092 39391					Mb DM-18° 5344 19 15.7 -18 38.5 9.5 ^			
Nov. 6 15093 39391					Md4 Approx pos. 19 5.6 -17 40 (1855) ^			
Nov. 6 15094 39391					Pec. DM-17° 5492 19 0.4 -17 29.6 9.6 ^			
Nov. 6 15095 39391					Md2 DM-17° 5546 19 7.9 -17 13.2 var. ^			
Nov. 6 15096 39391					Ma DM-16° 5135 18 56.8 -16 54.7 9.2 ^			
Nov. 6 15097 39391					Md4? DM-17° 5588 19 12.2 -17 18.3 8.1 ^			
Nov. 6 15098 39391					Mb Approx pos. 19 15.7 -17			
[[strikethrough]] 4 [[strikethrough]] 5 (1855) ^								
Nov. 6 15099 39391					Ma DM-17° 5603 19 14.4 -17 28.2 9.4 ^			
Nov. 6 15100 39391					Mc5d DM-16° 5332 19 21.4 -16 27.0 9.4 ^			
Nov. 6 15101 39391					Mb DM-16° 5324 19 20.5 -16 25.4 9.0 ^			
Nov. 6 15102 39391					Ma DM-16° 5310 19 18.3 -16 11.2 9.0 ^			
Nov. 6 15103 39391					Mb DM-15° 5204 18 55.2 -15 29.5 8.5 ^			
Nov. 6 15104 39391					Mb5c DM-15° 5220 18 57.1 -15 43.2 9.1 ^			
Nov. 6 15105 39391					Na DM-16° 5272 19 10.9 -16 10.2 6.8 ^			
Nov. 6 15106 39391					Mb DM-15° 5259 19 2.6 -15 18.7 7.5 ^			
Nov. 6 15107 39391					Mb DM-13° 5345 19 17.0 -13 42.9 7.9 ^			
Nov. 6 15108 39391					Ma DM-16° 5198 19 3.9 -16 31.6 8.8 ^			

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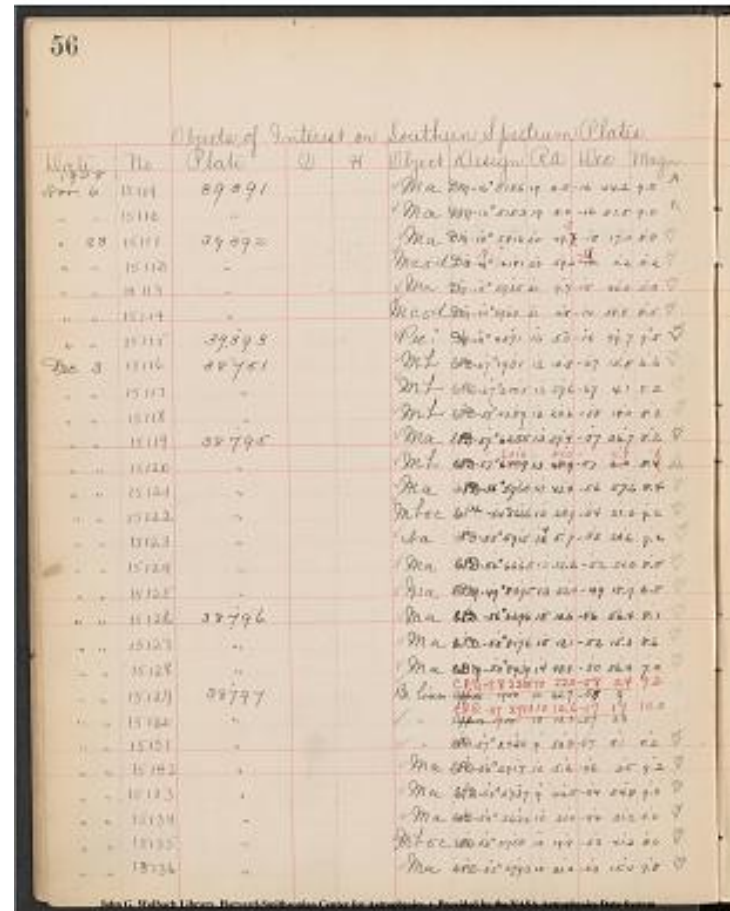
Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

1908

[Date][No.][Plate][V][H][Object][Design.][RA][Dec][Magn.]

Date	No.	Plate	V	H	Object	Design.	RA	Dec	Magn.
Nov. 6 1908	15109	39391			Ma	DM-16° 5186	19 2.5	-16 44.2	9.0
Nov. 6 1908	15110	39391			Ma	DM-16° 5183	19 2.0	-16 31.5	9.0
Nov. 23 1908	15111	39392			Ma	DM-18° 5816	20 49	-18 17.0	8.8
Nov. 23 1908	15112	39392			Mc5d	DM- 16° 5186			
Nov. 23 1908	15113	39392			Ma	DM-15° 5935	21 7.7	-15 46.0	5.0
Nov. 23 1908	15114	39392			Mc5d	DM-14° 5960	21 4.8	-14 58.8	8.5
Nov. 23 1908	15115	39393			Pec?	DM-14° 4371	16 5.0	-14 49.7	9.5
Dec. 3 1908	15116	38751			Mb	CPD-67° 1931	12 10.8	-67 15.8	6.6
Dec. 3 1908	15117	38751			Mb	CPD-67° 2005	12 27.6	-67 4.1	8.2
Dec. 3 1908	15118	38751			Mb	CPD-58° 4289	12 20.6	-58 18.0	8.3
Dec. 3 1908	15119	38795			Ma	CPD-57° 6255	13 37.4	-57 36.7	8.2
Dec. 3 1908	15120	38795			Mb	CPD-57° 6409			
Dec. 3 1908	15121	38795			Ma	CPD-56° 5960	13 42.4	-56 57.6	8.4
Dec. 3 1908	15122	38795			Mb5c	CPD-54° 5666	13 28.9	-54 21.0	9.2
Dec. 3 1908	15123	38795			Na	CPD-53° 5915	13 5.7	-53 20.6	9.2
Dec. 3 1908	15124	38795			Ma	CPD-52° 6665	13 32.6	-52 24.0	8.8
Dec. 3 1908	15125	38795			Ma	CPM-49° 8095	13 32.3	-49 18.9	6.8
Dec. 3 1908	15126	38796			Ma	C.P.D.-56° 6696	15 10.6	-56 56.4	8.1
Dec. 3 1908	15127	38796			Ma	C.P.D.-52° 8176	15 12.1	-52 15.3	8.6
Dec. 3 1908	15128	38796			Ma	C.P.M-50° 8939	14 48.3	-50 56.4	7.0
Dec. 3 1908	15129	38797			Br. lines	approx. 1900			
Dec. 3 1908	15130	38797			C.P.D.	approx. 1900			
Dec. 3 1908	15131	38797			C.P.D.	approx. 1900			
Dec. 3 1908	15132	38797			Ma	CPD-57° 2420	9 50.8	-57 8.1	8.2
Dec. 3 1908	15133	38797			Ma	CPD-54° 2737	9 44.5	-54 54.8	9.0
Dec. 3 1908	15134	38797			Ma	CPD-54° 3624	10 21.0	-54 21.2	8.0



Dec. 3 1908|15135|38797| | Mb5c|CPD-53° 3758|10 19.7|-53
41.2|8.0 ^[[w]]
Dec. 3 1908|15136|38797| | Ma|CPD-53° 3793|10 21.4|-53 15.4|7.8
^[[w]]

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[[2 columned table]]

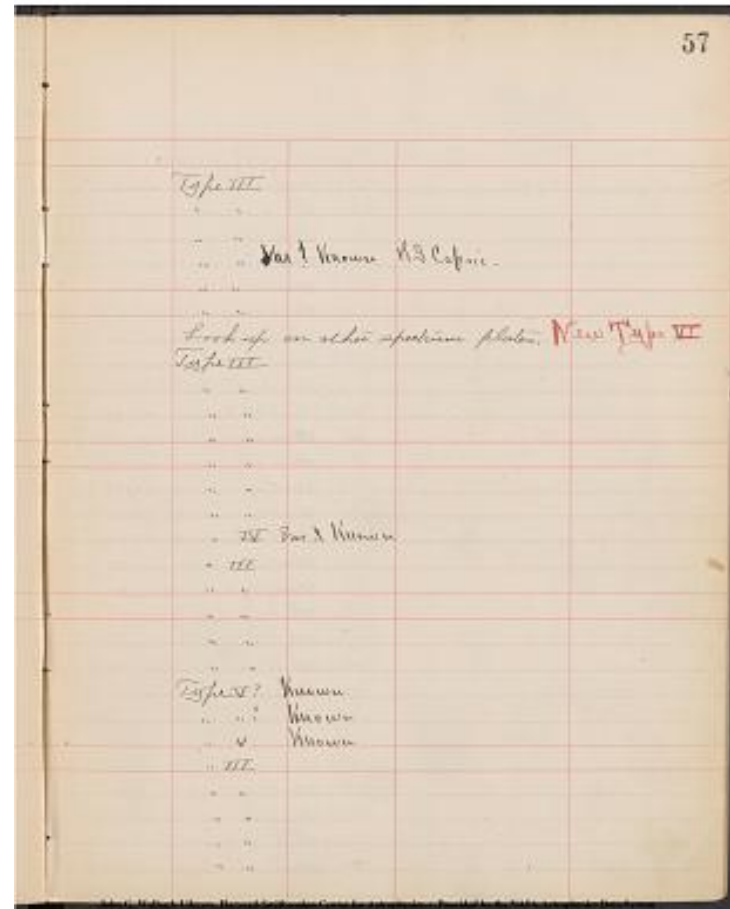
Type III	
Type III	
Type III	
Type III	Var [[strikethrough]] ? [[strikethrough]] Known RS Capric.
Type III	
Type III	

Look up on other spectrum plates. New Type VI

[[2 columned table]]

Type III	
Type III	
Type III	
Type III	
Type III	
Type III	
Type III	
Type IV	Var [[strikethrough]] ? [[strikethrough]] Known
Type III	
Type III	
Type III	
Type III	
Type III	
Type V?	Known
Type V?	Known
Type V	Known
Type III	
Type III	
Type III	
Type III	

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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

1908

[Date][No.][Plate][V][H][Object][Design.][RA][Dec][Magn.]

Date	No.	Plate	V	H	Object	Design.	RA	Dec	Magn.
Dec 3 1908	15137	38797			Ma CPD-52° 3245	10 2.9	-52 38.9	8.8	

^[[w]]

Dec 3 1908|15138|38797| |Mb5c|CDM-50° 4990|10 11.8|-50

34.9|6.9 ^[[w]]

Dec 3 1908|15139|38797| |Ma|CDM-50° 5065|10 15.6|-50 49.3|7.7

^[[w]]

Dec 3 1908|15140|38798| |Ma|CPD-67° 1703|11 12.2|-67 8.4|8.5

^[[w]]

Dec 3 1908|15141|38798| |Mb|CPD-66° 1507|10 58.3|-66 27.2|9.1

^[[w]]

Dec 3 1908|15142|38798| |Pec|CPD-64° 1475|10 41.6|-64 57.3|9.5

^[[w]]

Dec 3 1908|15143|38798| |Br. lines|CPD-64° 1629|11 1.3|-64

50.1|8.3 ^[[w]]

Dec 3 1908|15144|38798| |Mb|CPD-64° 1708|11 41.2|-64 45.7|9.4

^[[w]]

Dec 3 1908|15145|38798| |Br. lines|(Est. 1900)|10

[[/strikethrough]]48[[/strikethrough]]47.9|

61.1[[/strikethrough]]8[[/strikethrough]]46|

Dec 3 1908|15146|38798| |Ma|CPD-61° 1936|10 48.0|-61 20.7|9.3

^[[w]]

Dec 3 1908|15147|38798| |Ma|CPD-60° 3442|11 45.6|-60 27.9|9.3

^[[w]]

Dec 3 1908|15148|38798| |Mb|CPD-60°

[[/strikethrough]]3069[[/strikethrough]]3178|11

[[/strikethrough]]29.0[[/strikethrough]]31.1|-60

[[/strikethrough]]5.9[[/strikethrough]]29.3|8.7 ^[[w]]

Dec 3 1908|15149|38798| |Mb|CPD-60° 3196

[[/strikethrough]]3198[[/strikethrough]]11 31.7|-60 12.8

[[/strikethrough]]12.1[[/strikethrough]]8.2

[[/strikethrough]]9.1[[/strikethrough]] ^[[w]]

Dec 3 1908|15150|38798| |Mb|CPD-60° 3069|11 29.0|-60 5.9|8.7

^[[w]]

Dec 3 1908|15151|38798| |Ma|CPD-60° 3152|11 30.6|-60 37.7|9.0

^[[w]]

Dec 3 1908|15152|38798| |Ma|CPD-60° 2479|10 58.0|-60 14.2|8.7

^[[w]]

Dec 3 1908|15153|38798| |Ma|CPD-60° 2459|10 56.5|-60 22.6|8.8

^[[w]]

Dec 3 1908|15154|38798| |Br. lines|CPD-60° 2578|11 4.8|-60

18.0|8.0 ^[[w]]

Dec 3 1908|15155|38798| |Br. lines|CPD-59° 2860|10 51.2|-59

47.1|7.6 ^[[w]]

Dec 3 1908|15156|38798| |Br. lines|CPD-59° 2855|10 51.0|-59

43.5|8.7 ^[[w]]

Dec 3 1908|15157|38799| |Ma|CPD-56° 4863|11 48.2|-56 16.4|8.5

^[[w]]

Dec 3 1908|15158|38799| |Na|CPD-54° 4904|11 54.0|-54 25.4|9.8

^[[w]]

Dec 3 1908|15160|38799| |Mb|CPD-54° 4969|12 0.2|-54 22.4|9.0

^[[w]]

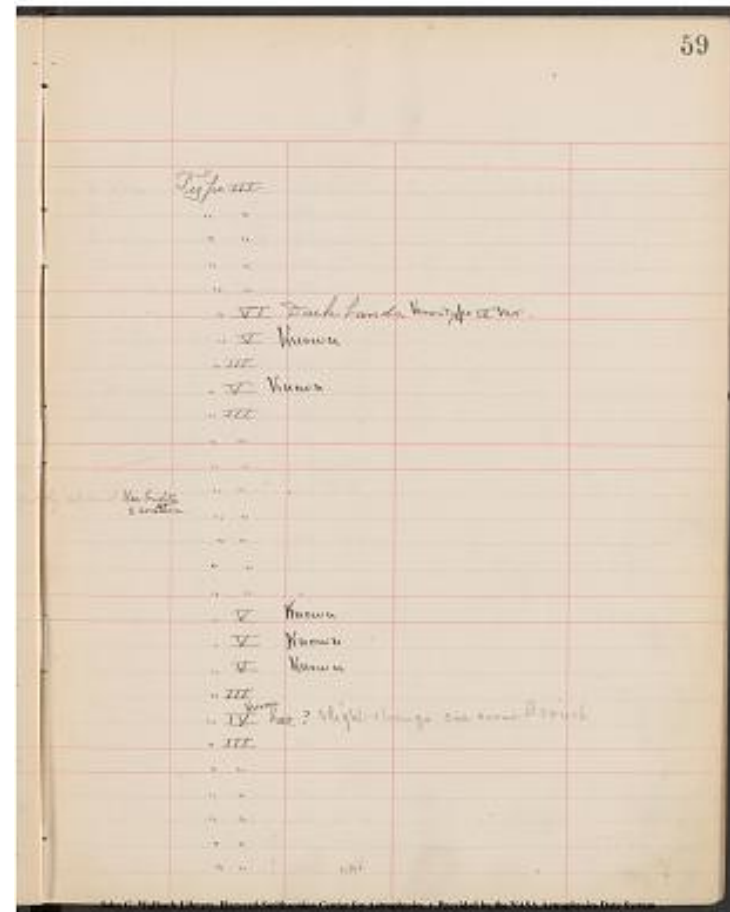
Dec 3 1908|15161|38799| |Mb5c|CPD-54° 5075|12 8.4|-54 7.6|8.8

58									
Objects of Interest on Southern Spectrum Plates									
Date	No.	Plate	V	H	Object	Design.	RA	Dec	Magn.
Dec 3 1908	15137	38797			Ma CPD-52° 3245	10 2.9	-52 38.9	8.8	
"	15138	"			Mb5c CDM-50° 4990	10 11.8	-50 34.9	6.9	
"	15139	"			Ma CDM-50° 5065	10 15.6	-50 49.3	7.7	
"	15140	38798			Ma CPD-67° 1703	11 12.2	-67 8.4	8.5	
"	15141	"			Mb CPD-66° 1507	10 58.3	-66 27.2	9.1	
"	15142	"			Pec CPD-64° 1475	10 41.6	-64 57.3	9.5	
"	15143	"			Br. lines CPD-64° 1629	11 1.3	-64 50.1	8.3	
"	15144	"			Mb CPD-64° 1708	11 41.2	-64 45.7	9.4	
"	15145	"			Br. lines (Est. 1900)	10 48.0	-61 20.7	9.3	
"	15146	"			Ma CPD-61° 1936	10 48.0	-61 20.7	9.3	
"	15147	"			Ma CPD-60° 3442	11 45.6	-60 27.9	9.3	
"	15148	"			Mb CPD-60° 3069	11 29.0	-60 5.9	8.7	
"	15149	"			Mb CPD-60° 3196	11 31.7	-60 12.8		
"	15150	"			Mb CPD-60° 3069	11 29.0	-60 5.9	8.7	
"	15151	"			Ma CPD-60° 3152	11 30.6	-60 37.7	9.0	
"	15152	"			Ma CPD-60° 2479	10 58.0	-60 14.2	8.7	
"	15153	"			Ma CPD-60° 2459	10 56.5	-60 22.6	8.8	
"	15154	"			Br. lines CPD-60° 2578	11 4.8	-60 18.0	8.0	
"	15155	"			Br. lines CPD-59° 2860	10 51.2	-59 47.1	7.6	
"	15156	"			Br. lines CPD-59° 2855	10 51.0	-59 43.5	8.7	
"	15157	"			Ma CPD-56° 4863	11 48.2	-56 16.4	8.5	
"	15158	"			Na CPD-54° 4904	11 54.0	-54 25.4	9.8	
"	15160	"			Mb CPD-54° 4969	12 0.2	-54 22.4	9.0	
"	15161	"			Mb5c CPD-54° 5075	12 8.4	-54 7.6	8.8	

^[[w]]
|Dec 3 1908|15162|38799| | |Ma|CPD-52° 5123|11 53.9|-52 34.4|8.7
^[[w]]
|Dec 3 1908|15163|38799| | |Ma|CDM-
5~~[[strikethrough]]0[[/strikethrough]]~~1° 6730|12 23.4|-
5~~[[strikethrough]]0[[/strikethrough]]~~1 23.5|8.1 ^[[w]]
|Dec 3 1908|15164|38799| | |Ma|CDM-
5~~[[strikethrough]]0[[/strikethrough]]~~1° 6512|12 8.7|-
5~~[[strikethrough]]0[[/strikethrough]]~~1 2.5|8.6 ^[[w]]

Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
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Type III
 Type III
 Type III
 Type III
 Type III
 Type VI Dark Bands, Known Type IV Var
 Type V Known
 Type III
 Type V Known
 Type III
 Type III
 Type III
 Type III
 Type III
 [[left margin]]
 by adjacent. Use brighter & southern
 [[left margin]]
 Type III
 Type III
 Type III
 Type III
 Type V Known
 Type V Known
 Type V Known
 Type III
 Type IV Known Var? Slight change. see cover B 38406
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III



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Objects of Interest on Southern Spectrum Plates.

[[10 columned table]]

[Date 1908|No|Plate|V|H|Object|Design|RA|Dec|Magn.]

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

Dec. 3	15165	38799			Ma CDM -50° 6814 12 8.0 -50 50.5 8.0
Dec. 3	15166	38799			Pec. CDM -48°
Dec. 3	15167	38800			Ma CDM -51°
Dec. 3	15168	38800			ML CDM -49° 8095 13 32.3 -49 18.9 6.8
Dec. 3	15169	38800			Ma CDM -46° 8845 13 38.6 -46 31.8 8.0
Dec. 3	15170	38800			Ma CDM -44° 8904 13 41.0 -44 55.7 8.7
Dec. 3	15171	38801			Br. lines CPD -65° 25 13 36.5 -51 37.1 8.5
Dec. 3	15172	38801			Ma CPD -61° 4321 13 56.8 -61 19.9 9.0
Dec. 3	15173	38801			Mb CPD -61° 4497 14 12.8 -61 25.6 9.4
Dec. 3	15174	38801			Mb CPD -61° 4528 14 16.0 -61 10.7 9.4
Dec. 3	15175	38801			Ma CPD -59° 5568 14 17.8 -59 43.4 9.4
Dec. 3	15176	38801			Mb5c CPD -59° 5476 14 7.6 -59 19.9 8.9
Dec. 3	15177	38801			Mb CPD -59° 5591 14 19.4 -59 6.6 10.0
Dec. 3	15178	38804			Ma CDM -40° 12142 17 57.5 -40 57.9 8.7
Dec. 3	15179	38804			Mb CDM -39° 12242 17 58.0 -39 56.2 7.7
Dec. 3	15180	38804			Ma CDM -39° 12265 18 0.2 -39 30.2 7.9
Dec. 3	15181	38804			Pec. CDM -39° 12196 17 56.
Dec. 3	15182	38804			Ma CDM -38° 12486 17 58.8 -38 13.2 8.3
Dec. 3	15183	38804			Ma CDM -38° 12772 18 16.3 -38 38.0 8.0
Dec. 3	15184	38804			Br. line CDM -36° 12130 17 54.0 -36 40.5 9.0
Dec. 3	15185	38804			Ma CDM -36° 12264 18 0.8 -36 59.2 8.3
Dec. 3	15186	38804			Br. line CDM -34° 12200 17 45.0 -34 41.3 7.5
Dec. 3	15187	38828			Mb CPD -67° 1931 12 10.8 -67 15.8 6.6
Dec. 3	15188	38828			Mb CPD -67° 2005 12 27.6 -67 4.1 8.2
Dec. 3	15189	38828			Pec. CPD -63° 2203 12 7.6 -63 42.8 6.3
Dec. 3	15190	38828			Ma CPD -62° 2234 11 35.9 -62 43.2 9.0
Dec. 3	15191	38828			Ma CPD -60° 3178 11 31.1 -60 29.3 8.7
Dec. 3	15192	38828			Ma CPD -60° 3239 11 34.9 -60 17.2 8.6

60

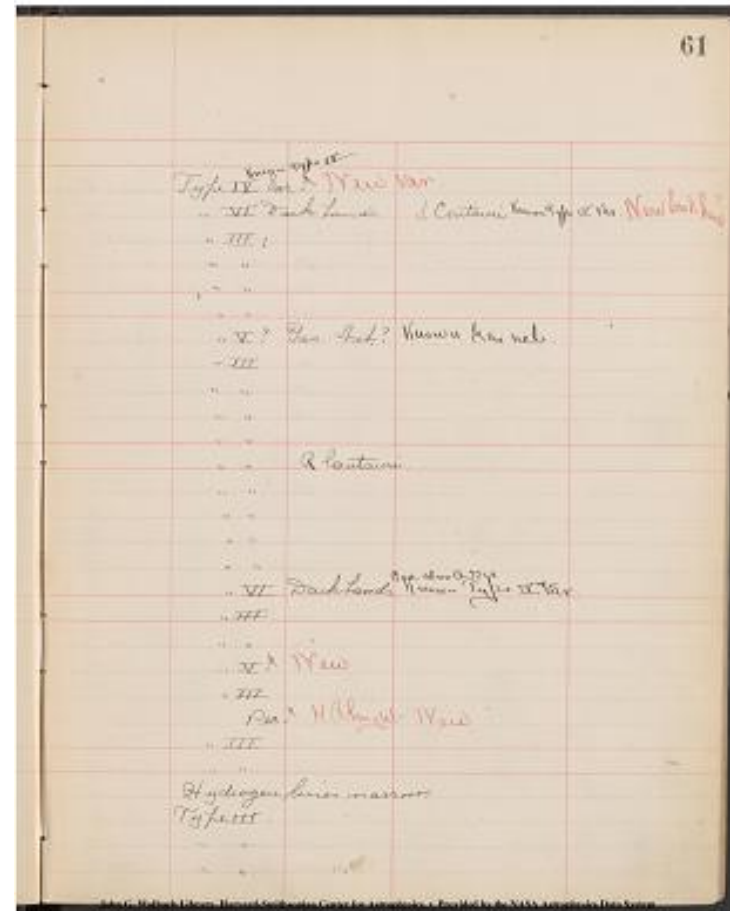
Objects of Interest on Southern Spectrum Plates

Date	No	Plate	Object	Design	RA	Dec	Magn.
Dec. 3	15165	38799	Ma	CDM -50° 6814	12 8.0	-50 50.5	8.0
Dec. 3	15166	38799	Pec.	CDM -48°			
Dec. 3	15167	38800	Ma	CDM -51°			
Dec. 3	15168	38800	ML	CDM -49° 8095	13 32.3	-49 18.9	6.8
Dec. 3	15169	38800	Ma	CDM -46° 8845	13 38.6	-46 31.8	8.0
Dec. 3	15170	38800	Ma	CDM -44° 8904	13 41.0	-44 55.7	8.7
Dec. 3	15171	38801	Br. lines	CPD -65° 25	13 36.5	-51 37.1	8.5
Dec. 3	15172	38801	Ma	CPD -61° 4321	13 56.8	-61 19.9	9.0
Dec. 3	15173	38801	Mb	CPD -61° 4497	14 12.8	-61 25.6	9.4
Dec. 3	15174	38801	Mb	CPD -61° 4528	14 16.0	-61 10.7	9.4
Dec. 3	15175	38801	Ma	CPD -59° 5568	14 17.8	-59 43.4	9.4
Dec. 3	15176	38801	Mb5c	CPD -59° 5476	14 7.6	-59 19.9	8.9
Dec. 3	15177	38801	Mb	CPD -59° 5591	14 19.4	-59 6.6	10.0
Dec. 3	15178	38804	Ma	CDM -40° 12142	17 57.5	-40 57.9	8.7
Dec. 3	15179	38804	Mb	CDM -39° 12242	17 58.0	-39 56.2	7.7
Dec. 3	15180	38804	Ma	CDM -39° 12265	18 0.2	-39 30.2	7.9
Dec. 3	15181	38804	Pec.	CDM -39° 12196	17 56.		
Dec. 3	15182	38804	Ma	CDM -38° 12486	17 58.8	-38 13.2	8.3
Dec. 3	15183	38804	Ma	CDM -38° 12772	18 16.3	-38 38.0	8.0
Dec. 3	15184	38804	Br. line	CDM -36° 12130	17 54.0	-36 40.5	9.0
Dec. 3	15185	38804	Ma	CDM -36° 12264	18 0.8	-36 59.2	8.3
Dec. 3	15186	38804	Br. line	CDM -34° 12200	17 45.0	-34 41.3	7.5
Dec. 3	15187	38828	Mb	CPD -67° 1931	12 10.8	-67 15.8	6.6
Dec. 3	15188	38828	Mb	CPD -67° 2005	12 27.6	-67 4.1	8.2
Dec. 3	15189	38828	Pec.	CPD -63° 2203	12 7.6	-63 42.8	6.3
Dec. 3	15190	38828	Ma	CPD -62° 2234	11 35.9	-62 43.2	9.0
Dec. 3	15191	38828	Ma	CPD -60° 3178	11 31.1	-60 29.3	8.7
Dec. 3	15192	38828	Ma	CPD -60° 3239	11 34.9	-60 17.2	8.6

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Type IV Var~~?~~ [^][[Known Type IV]] New var.
 Type VI Dark bands. S Centauri. Known Type IV Var. New dark bands?
 Type III
 Type III
 Type III
 Type III
 Type V? Gas. neb.? Known Gas. Neb.
 Type III
 Type III
 Type III
 Type III
 Type III R Centauri.
 Type III
 Type III
 Type III
 Type III
 Type VI Dark bands.[^][[See also A 7728.]] Known Type IV Var.
 Type III
 Type III
 Type V~~?~~ New
 Type III
 Pec H~~?~~ H beta bright. New
 Type III
 Type III
 Hydrogen lines narrow.
 Type III
 Type III
 Type III

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Object of Interest on Southern Spectrum Plates

[[ten columned table]]

[Date|No|Plate|V|H|Object|Design|Ra|Dec|Magn.]

Date	No	Plate	V	H	Object	Design	Ra	Dec	Magn.
Dec. 1908	3	15193	38828		ML	bPD-60°31	11 31.7	-60 11.7	8.2
	78								
	29.3								
	15194				ML	bPD-60°3069	11 29.0	-60 5.9	8.7
	15195	38829			ML	bPD-71°1376	12 37.6	-71 1.7	8.8
	15196				ML5c	bPD-67°2005	12 27.6	-67 4.1	8.2
	15197				ML	bPD-65°2025	12 41.9	-65 54.3	9.2
	15198				Br. lines	bPD-64°2183	13 0.1	-64 38.1	6.1
	15199	38830			ML5c	bPD-77°895	13 11.3	-77 31.1	8.9
	15200				Mc	bPD-76°799	13 53.2	-76 11.4	7.4
	15201				Mc	bPD-76°800	13 54.2	-76 6.8	9.6
	15202				ML5c	bPD-75°869	13 16.0	-75 2.2	9.6
	15203				Va?	bPD-73°1134	13 11.6	-73 46.9	9.7
	15204				ML	bPD-72°1499	14 2.0	-72 50.0	9.4
	15205	38831			Ma	bPD-66°2866	15 49.5	-66 29.2	8.9
	15206				ML	bPD-6			
	15207				Br. lines	bPD-62°4470	15 13.7	-62 13.7	8.8
	15208				Ma	bPD-60°5991	15 30.5	-60 43.8	8.9
	15209				Ma	bPD-60°5853	15 21.1	-60 26.4	8.9
	15210				Ma	bPD-60°5558	14 45.2	-60 33.8	8.9
	15211				Ma	bPD-58°5825	14 59.2	-58 39.4	8.2
	15212	38832			Pec	bPD-66°2978	16 23.3	-66 51.5	8.7
	15213				ML	bPD-64°3244	15 30.7	-64 1.3	9.2
	15214				ML	bPD-63°3712	15 42.8	-63 45.3	9.1
	15215				ML5c	bPD-63°807	15 57.1	-63 52.3	9.3
	15216				Br. lines	bPD-62°5141	15 52.8	-62 20.3	8.8
	15217				ML	bPD-62°5066	15 48.1	-62 10.3	9.2
	15218	39066			Ma	bPD-67°2192	13 0.2	-67 7.7	8.6
	15219				Br. lines	bPD-66°2299	13 34.1	-66 46.1	9.0
	15220				Br. lines	bPD-64°2183	13 0.1	-64 38.1	6.1

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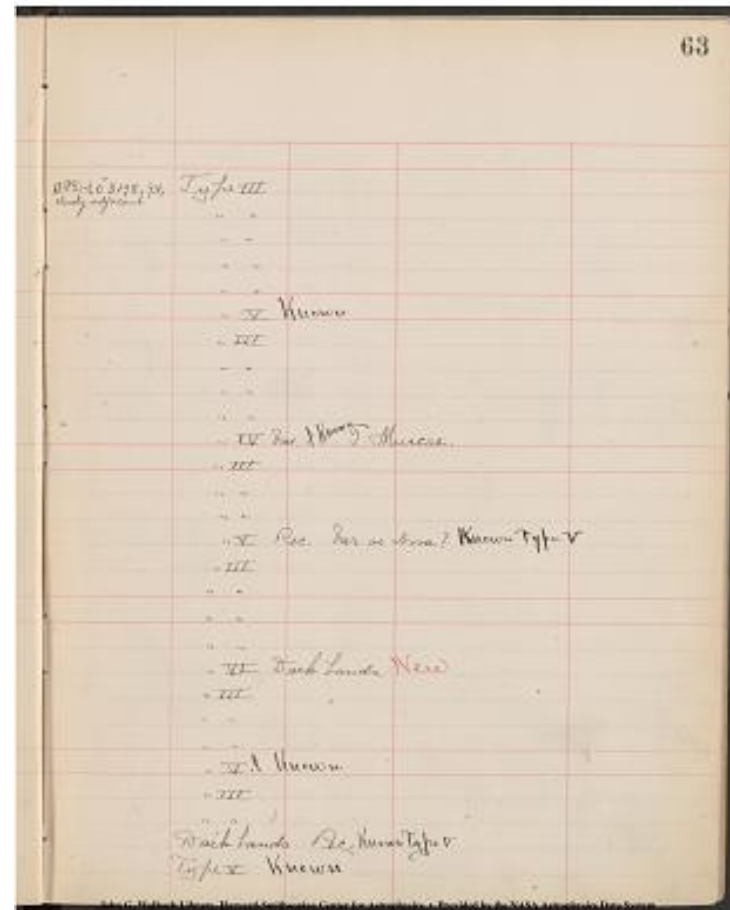
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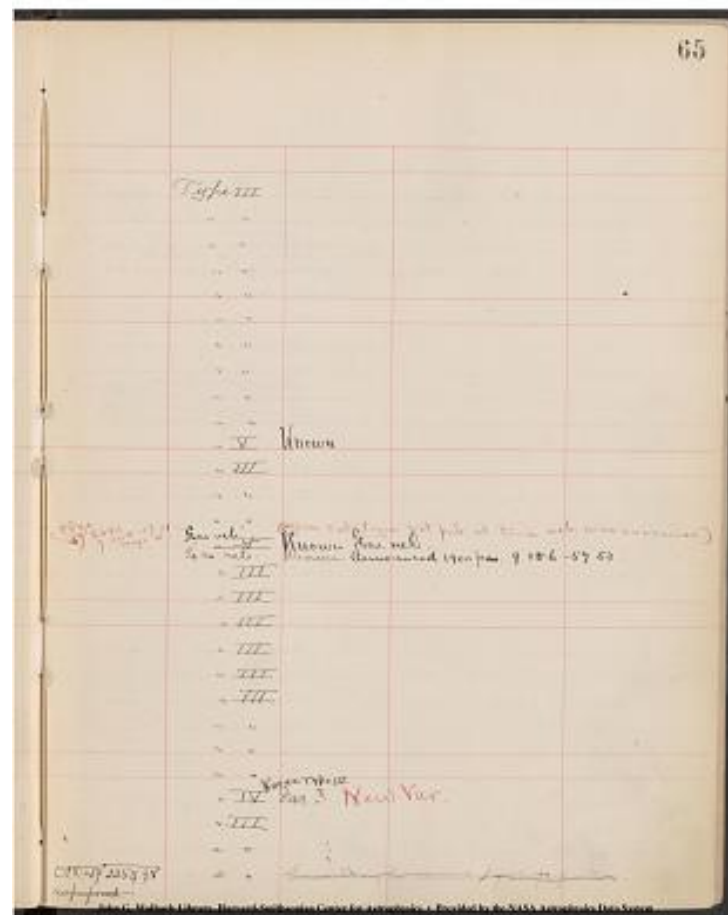
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[[left margin]]
 CPD -60° 3198, 9.4 closely adjacent
 [[left margin]]
 Type III
 Type III
 Type III
 Type III
 Type III
 Type V Known
 Type III
 Type III
 Type III
 Type III
 Type III
 Type IV Var. Known T Muscae
 Type III
 Type III
 Type III
 Type V Pec. Var. or Nova? Known Type V
 Type III
 Type III
 Type III
 Type III
 Type VI Dark bands. New
 Type III
 Type III
 Type III
 Type V ~~[[strikethrough]]~~? ~~[[strikethrough]]~~ Known
 Type III
 Type III
 Dark bands Pec. Known Type V
 Type V Known

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Objects of Interest on Southern Spectrum Plates.

[[10 columned table]]

1908

|Date|No|Plate|V|H|Object|Design|V|H|Magn.|

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

|Dec. 7 1908|15249|38749| | |Ma|CPD -59°

252|~~8~~|~~6~~|10|~~38.7~~|~~59~~|~~39.7~~|~~8.4~~|

?

|Dec. 7 1908|15250|38749| | |Ma|CPD -58° 2683|10 41.0|-58 49.9|9.0

^[[w]]

|Dec. 7 1908|15251|38749| | |Br. lines|CPD -59° 2548|10 39.1|-59

27.7|6.8 ^[[w]]

|April 15 1910|15251a|38749| | |var?|approx pos (1875)|10

42.|~~5~~|~~4~~-58 25| |

|Dec. 7 1908|15252|38749| | |Br. lines|CPD -59° 2561|10 39.4|-59

3.9|8.6 ^[[w]]

|Dec. 7 1908|15253|38749| | |Br. lines|CPD -59° 2620|10 40.2|-59

1.6|8.4 ^[[w]]

|Dec. 7 1908|15254|38749| | |Br. lines|CPD -59° 2450|10 36.5|-59

1.5|6.8 ^[[w]]

|Dec. 7 1908|15255|38749| | |Mb|CPD -58° 2560|10 37.3|-58 54.2|9.2

^[[w]]

|Dec. 7 1908|15255a|38749| | |Br. lines|CPD -58° 2546|10 37.8|-58 15

(1900 pos)|

|Dec. 7 1908|15256|38749| | |Mb|CPD -58° 1979|10 7.3|-58 12.8|8.2

^[[w]]

|Dec. 7 1908|15257|38749| | |Br. lines|~~approx.~~ CPD -58° 2205|10 22.0|-58 0.4|9.2||Dec. 7 1908|15258|38749| | |Br. lines|~~approx.~~ CPD -57° 2913|10 12.6|-57

17|10.0|

|Dec. 7 1908|15259|38749| | |Br. lines|CPD -57° 2420|9 50.8|-57

8.1|8.2

|Dec. 7 1908 | 15260 | 38749 | | |Mb | CPD -56° 2917 | 10 5.2 | -56 2.5

| 9.2

|Dec. 7 1908 | 15261 | 38749 | | |Mb | CPD -55° 3430 | 10 21.6 | -55

7.1 | 9.4

|Dec. 7 1908 | 15262 | 38749 | | |Mb | CPD -55° 3118 | 10 10.6 | -55

2.2 | 8.8

|Dec. 7 1908 | 15263 | 38749 | | |Ma | CPD -55° 3138 | 10 11.4 | -55

24.8 | 9.2

|Dec. 7 1908 | 15264 | 38749 | | |Br. lines | CPD -54° 3389 | 10 11.7 | -

54 58.6 | 8.6

|Dec. 7 1908 | 15265 | 38749 | | |Ma | CPD -55° 3132 | 10 11.2 | -55

2.6 | 9.2

|Dec. 7 1908 | 15266 | 38749 | | |Mb | CPD -54° 3555 | 10 18.4 | -54

49.8 | 9.4

|Dec. 7 1908 | 15267 | 38749 | | |Ma | CPD -54° 3624 | 10 21.0 | -54

21.2 | 8.0

|Dec. 7 1908 | 15268 | 38749 | | |Mb | CPD -53° 3758 | 10 19.8 | -53

41.2 | 8.0

|Dec. 7 1908 | 15269 | 38802 | | |Mb | CPD -67° 2896 | 15 19.5 | -67

5.7 | 9.7

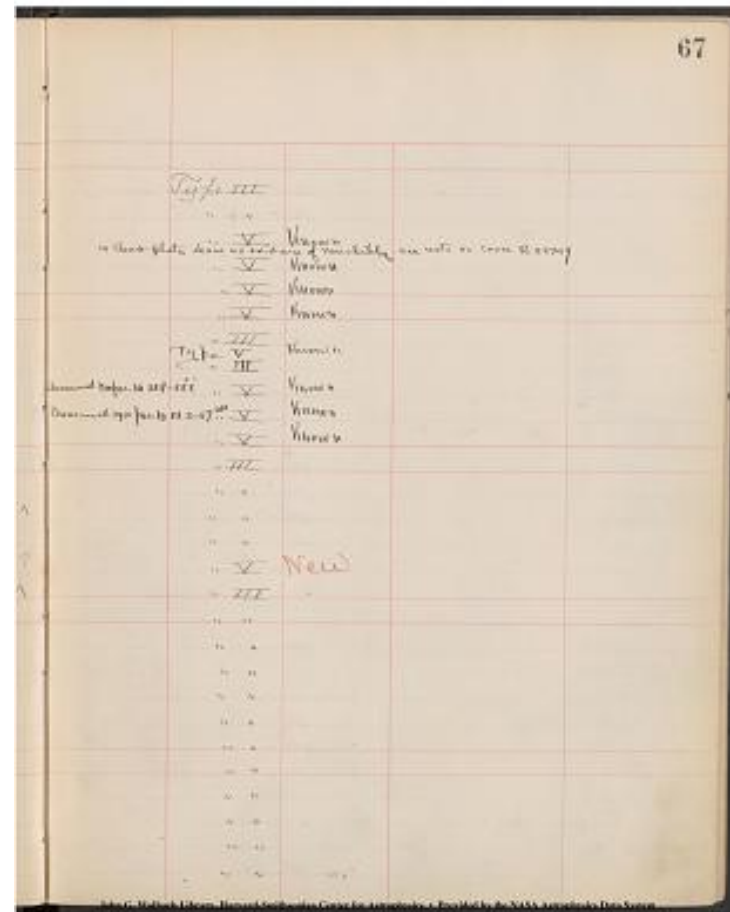
|Dec. 7 1908 | 15270 | 38802 | | |Ma | CPD -64° 3250 | 15 32.5 | -64

27.8 | 10.0

Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object	Design	V	H	Magn.
Dec. 7 1908	15249	38749			Ma	CPD -59° 252	10	41.0	-58 49.9
"	15250	"			Ma	CPD -58° 2683	10	41.0	-58 49.9
"	15251	"			Br. lines	CPD -59° 2548	10	39.1	-59 27.7
April 15 1910	15251a	"			var?	approx pos (1875)	10		
Dec. 7 1908	15252	"			Br. lines	CPD -59° 2561	10	39.4	-59 3.9
"	15253	"			Br. lines	CPD -59° 2620	10	40.2	-59 1.6
"	15254	"			Br. lines	CPD -59° 2450	10	36.5	-59 1.5
"	15255	"			Mb	CPD -58° 2560	10	37.3	-58 54.2
"	15255a	"			Br. lines	CPD -58° 2546	10	37.8	-58 15
"	15256	"			Mb	CPD -58° 1979	10	7.3	-58 12.8
"	15257	"			Br. lines	approx. CPD -58° 2205	10	22.0	-58 0.4
"	15258	"			Br. lines	approx. CPD -57° 2913	10	12.6	-57 17
"	15259	"			Br. lines	CPD -57° 2420	9	50.8	-57 8.1
"	15260	"			Mb	CPD -56° 2917	10	5.2	-56 2.5
"	15261	"			Mb	CPD -55° 3430	10	21.6	-55 7.1
"	15262	"			Mb	CPD -55° 3118	10	10.6	-55 2.2
"	15263	"			Ma	CPD -55° 3138	10	11.4	-55 24.8
"	15264	"			Br. lines	CPD -54° 3389	10	11.7	-54 54.6
"	15265	"			Ma	CPD -55° 3132	10	11.2	-55 2.6
"	15266	"			Mb	CPD -54° 3555	10	18.4	-54 49.8
"	15267	"			Ma	CPD -54° 3624	10	21.0	-54 21.2
"	15268	"			Mb	CPD -53° 3758	10	19.8	-53 41.2
"	15269	38802			Mb	CPD -67° 2896	15	19.5	-67 5.7
"	15270	38802			Ma	CPD -64° 3250	15	32.5	-64 27.8

|Dec. 7 1908 | 15271 | 38802| | |Mb | CPD -64° 3244 | 15 30.7 | -64
 1.3 | 9.2
 |Dec. 7 1908 | 15272 | 38802| | |Mb | CPD -63° 3712 | 15 42.8 | -63
 45.3 | 9.1
 |Dec. 7 1908 | 15273 | 38802| | |Mb5c | CPD - ~~5~~
~~63° 3529~~ | 15 3.1 | -63 25.0 | 8.8
 |Dec. 7 1908 | 15274 | 38802| | |Mb | CPD -59° 6208 | 15 30.0 | -59
 44.9 | 9.4
 |Dec. 7 1908 | 15275 | 38802| | |Mb | CPD - ~~59° 6208~~
 | 15 30.0 | -59 44.9 | 9.4 ~~60° 6097~~ | 15 37.8 | -60 5.1 |
 9.2
 |Dec. 8 1908 | 15276 | 38750| | |Ma | CPD -62° 2234 | 11 35.9 | -62
 43.2 | 9.0

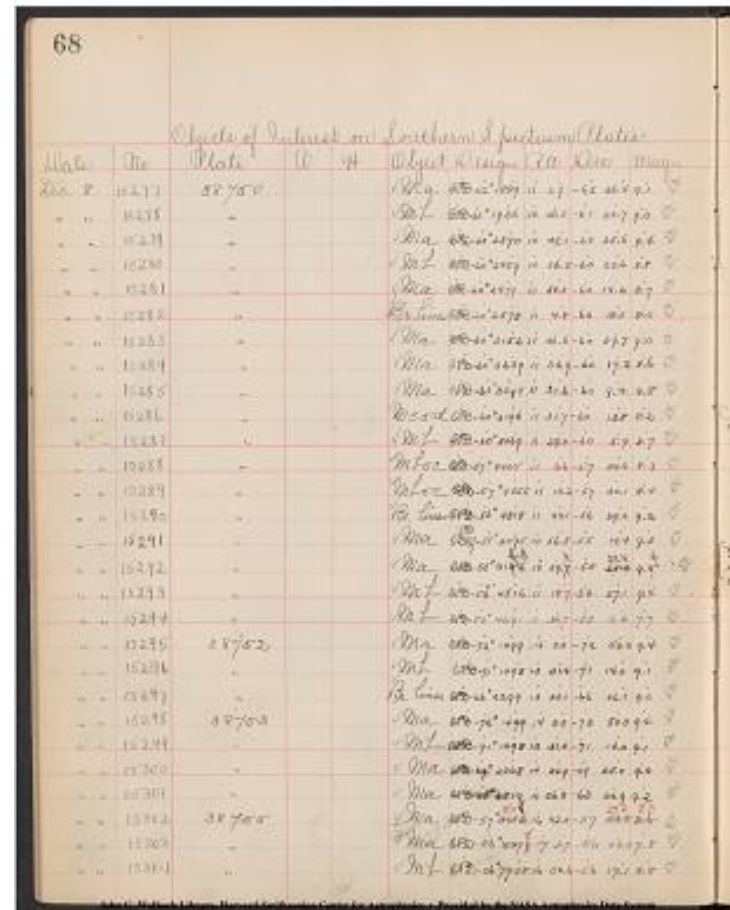
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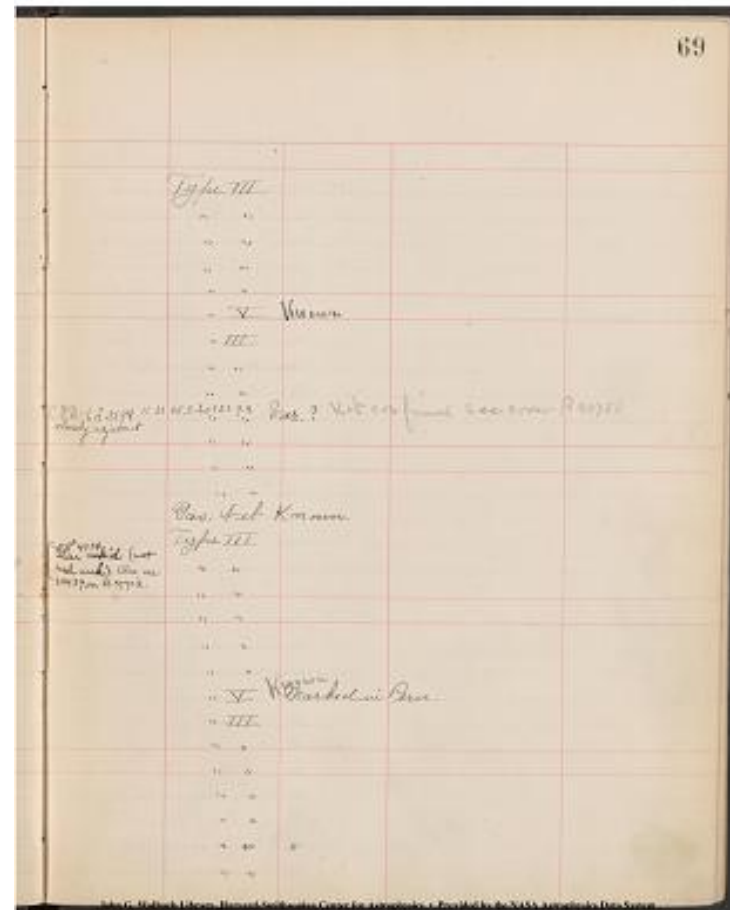
Date	No	Plate	V	H	Object	Design.	RA	Dec	Magn.
1900	1	1			1				
1901	2	2			2				
1902	3	3			3				
1903	4	4			4				
1904	5	5			5				
1905	6	6			6				
1906	7	7			7				
1907	8	8			8				
1908	9	9			9				
1909	10	10			10				
1910	11	11			11				
1911	12	12			12				
1912	13	13			13				
1913	14	14			14				
1914	15	15			15				
1915	16	16			16				
1916	17	17			17				
1917	18	18			18				
1918	19	19			19				
1919	20	20			20				
1920	21	21			21				
1921	22	22			22				
1922	23	23			23				
1923	24	24			24				
1924	25	25			25				
1925	26	26			26				
1926	27	27			27				
1927	28	28			28				
1928	29	29			29				
1929	30	30			30				
1930	31	31			31				
1931	32	32			32				
1932	33	33			33				
1933	34	34			34				
1934	35	35			35				
1935	36	36			36				
1936	37	37			37				
1937	38	38			38				
1938	39	39			39				
1939	40	40			40				
1940	41	41			41				
1941	42	42			42				
1942	43	43			43				
1943	44	44			44				
1944	45	45			45				
1945	46	46			46				
1946	47	47			47				
1947	48	48			48				
1948	49	49			49				
1949	50	50			50				
1950	51	51			51				
1951	52	52			52				
1952	53	53			53				
1953	54	54			54				
1954	55	55			55				
1955	56	56			56				
1956	57	57			57				

Dec. 8 15277 38750		Ma CPD-62° 1889 11 1.9 -62 26.4 9.1 w
Dec. 8 15278 38750		Ma CPD-61° 1936 10 48.0 -61 20.7 9.3 w
Dec. 8 15279 38750		Ma CPD-60° 2370 10 49.1 -60 25.6 9.4 w
Dec. 8 15280 38750		ML CPD-60° 2459 10 56.5 -60 22.6 8.8 w
Dec. 8 15281 38750		Ma CPD-60° 2479 10 58.0 -60 14.2 8.7 w
Dec. 8 15282 38750		Br. lines CPD-60° 2578 11 4.8 -60 18.0 8.0 w
Dec. 8 15283 38750		Ma CPD-60° 3152 11 30.6 -60 37.7 9.0 w
Dec. 8 15284 38750		Ma CPD-60° 3239 11 34.9 -60 17.2 8.6 w
Dec. 8 15285 38750		Ma CPD-60° 3298 11 38.6 -60 9.4 8.8 w
Dec. 8 15286 38750		Mcod CPD-60° 3196 11 31.7 -60 12.8 8.2 w
Dec. 8 15287 38750		ML CPD-60° 3069 11 29.0 -60 5.9 8.7 w
Dec. 8 15288 38750		MLoc CPD-57° 4405 11 6.6 -57 44.6 8.3 w
Dec. 8 15289 38750		MLoc CPD-57° 4555 11 13.2 -57 30.1 8.4 w
Dec. 8 15290 38750		Br. lines CPD-56° 4818 11 44.1 -56 29.2 9.2 w
Dec. 8 15291 38750		Ma C [[[strikethrough]]DM [[[strikethrough]]PD] 55° 4075 10 56.8 -55 14.4 9.3 w
Dec. 8 15292 38750		Ma CPD-55° 41 [[[strikethrough]]04 [[[strikethrough]]23] 10 59. [[[strikethrough]]7 [[[strikethrough]]9] -55 [[[strikethrough]]25.2 [[[strikethrough]]21.4] 9. [[[strikethrough]]5 [[[strikethrough]]6] w
Dec. 8 15293 38750		ML CPD-5 [[[strikethrough]]3 [[[strikethrough]]4° 4516] 11 18.7 -54 27.1 9.4 w
Dec. 8 15294 38750		ML CPD-53° 4691 11 34.7 -53 16.4 7.7 w
Dec. 8 15295 38752		Ma CPD-72° 1499 14 2.0 -72 50.0 9.4 w
Dec. 8 15296 38752		ML CPD-71° 1498 13 31.4 -71 14.0 9.1 w
Dec. 8 15297 38752		Br. lines CPD-66° 2299 13 34.1 -66 6.1 9.0 w
Dec. 8 15298 38753		Ma CPD-72° 1499 14 2.0 -72 50.0 9.4 w
Dec. 8 15299 38753		ML CPD-71° 1498 13 31.4 -71 14.0 9.1 w
Dec. 8 15300 38753		Ma CPD-69° 2068 14 24.9 -69 25.0 9.0 w
Dec. 8 15301 38753		Ma CPD-63° 2319 14 26.8 -63 30.9 9.2 w
Dec. 8 15302 38755		Ma CPD-57° [[[strikethrough]]3152 [[[strikethrough]]815 [[[strikethrough]]0] [[[strikethrough]]11] 16 42.0 -57 [[[strikethrough]]33.4 [[[strikethrough]]37.4] [[[strikethrough]]8.6 [[[strikethrough]]8.3] m
Dec. 8 15303 38755		Ma CPD-56° 809 [[[strikethrough]]9 [[[strikethrough]]8] 17 3.7 -56 44.0 7.8 w
Dec. 8 15304 38755		Ma CPD-56° 7938 16 50.6 -56 17.1 8.8 w



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Type III
 Type III
 Type III
 Type III
 Type III
 Type V Known
 Type III
 Type III
 Type III
 CPD -60° 3198 11 31 45.5 -60 12.1 9.4 closely adjacent
 Type III Var.? Not confirmed. See cover B 38750
 Type III
 Type III
 Type III
 Gas. Neb. Known
 Type III
 -55° 4114 star marked (not red ink). Also see 14439 on B 37702. Type
 III
 Type III
 Type III
 Type III
 Type III
 Type V Known. Marked in Peru.
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III



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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

1908

[Date][No][Plate][V][H][Object][Design][RA][Dec.][Magn.]

Date	No	Plate	V	H	Object	Design	RA	Dec.	Magn.
Dec. 8 1908	15305	38755			[Ma]CPD-53°	8445	17 2.2	-53 13.0	8.3
^[[w]]									
Dec. 8 1908	15306	38755			[Ma]CDM-49°	11036	16 45.0	-49 29.9	7.0
^[[w]]									
Dec. 8 1908	15307	38755			[Ma]CDM-48°	11047	16 31.0	-48 3.4	8.2
^[[w]]									
Dec. 8 1908	15308	39395			[Na]DM-8°	4726	18 42.5	-8 4.1	7.1
^[[w]]									
Dec. 8 1908	15309	39395			[Na]DM-7°	4633	18 29.2	-7 3.0	9.0
^[[w]]									
Dec. 8 1908	15310	39396			[Ma]CDM-38°	13683	19 39.9	-38 9.0	8.0
^[[w]]									
Dec. 8 1908	15311	39396			[Ma]CDM-36°	13488	19 11.9	-36 27.4	8.0
^[[w]]									
Dec. 8 1908	15312	39396			[Ma]CDM-35°	13720	19 41.1	-35 3.7	8.7
^[[w]]									
Dec. 8 1908	15313	39396			[Ma]CDM-33°	14441	19 36.9	-33 32.8	8.5
^[[w]]									
Dec. 8 1908	15314	39396			[Mb]CDM-33°	14141	19 13.0	-33 16.0	9.0
^[[w]]									
Dec. 8 1908	15315	39396			[Mb]CDM-32°	15117	19 14.7	-32 44.1	8.3
^[[w]]									
Dec. 8 1908	15316	39396			[Ma]CDM-32°	15110	19 14.4	-32 10.2	7.3
^[[w]]									
Dec. 8 1908	15317	39397			[Mb5C]DM-21°	6120	21 47.5	-21 49.2	7.2
^[[w]]									
Dec. 8 1908	15318	39397			[Ma]DM-19°	6161	21 39.3	-19 44.2	8.8
^[[w]]									
Dec. 8 1908	15319	39397			[Mb]DM-19°	6177	21 43.8	-19 31.1	9.0
^[[w]]									
Dec. 8 1908	15320	39397			[Mb]DM-18°	6047	21 51.5	-18 40.9	8.0
^[[w]]									
Dec. 8 1908	15321	39397			[Mb5C]DM-15°	6107	21 50.9	-15 48.8	8.8
^[[w]]									
Dec. 8 1908	15322	39397			[Mb]DM-15°	6121	21 54.3	-15 40.0	8.9
^[[w]]									
Dec. 8 1908	15323	39397			[Ma]DM-14°	6223	22 1.9	-14 35.7	8.2
^[[w]]									
Dec. 8 1908	15324	39398			[Ma]DM-3°	3875	15 59.4	-3 28.9	7.5
^[[w]]									
Dec. 8 1908	15325	39400			[Br. lines]DM-21°	4864	17 59.8	-21 15.7	7.8
^[[w]]									
Dec. 8 1908	15326	39400			[Ma]DM-19°	4708	17 40.1	-19 43.2	8.3
^[[w]]									
Dec. 8 1908	15327	39400			[Br. lines]DM-19°	4854	17 59.4	-19 24.8	9.6
^[[w]]									
Dec. 8 1908	15328	39400			[Mb]DM-15°	4805	17 56.4	-15 42.7	9.0
^[[w]]									
Dec. 8 1908	15329	39400			[Mb]DM-15°	4775	17 53.0	-15 20.6	8.2
^[[w]]									
Dec. 8 1908	15330	39400			[Ma]DM-13°	4741	17 37.6	-13 57.6	8.0
^[[w]]									
Dec. 8 1908	15331	39401			[Mc5d]DM-22°	4958	18 55.0	-22 54.8	8.5
^[[w]]									

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Objects of Interest on Southern Spectrum Plates

Date	No	Plate	V	H	Object	Design	RA	Dec.	Magn.
Dec. 8 1908	15305	38755			[Ma]CPD-53°	8445	17 2.2	-53 13.0	8.3
Dec. 8 1908	15306	38755			[Ma]CDM-49°	11036	16 45.0	-49 29.9	7.0
Dec. 8 1908	15307	38755			[Ma]CDM-48°	11047	16 31.0	-48 3.4	8.2
Dec. 8 1908	15308	39395			[Na]DM-8°	4726	18 42.5	-8 4.1	7.1
Dec. 8 1908	15309	39395			[Na]DM-7°	4633	18 29.2	-7 3.0	9.0
Dec. 8 1908	15310	39396			[Ma]CDM-38°	13683	19 39.9	-38 9.0	8.0
Dec. 8 1908	15311	39396			[Ma]CDM-36°	13488	19 11.9	-36 27.4	8.0
Dec. 8 1908	15312	39396			[Ma]CDM-35°	13720	19 41.1	-35 3.7	8.7
Dec. 8 1908	15313	39396			[Ma]CDM-33°	14441	19 36.9	-33 32.8	8.5
Dec. 8 1908	15314	39396			[Mb]CDM-33°	14141	19 13.0	-33 16.0	9.0
Dec. 8 1908	15315	39396			[Mb]CDM-32°	15117	19 14.7	-32 44.1	8.3
Dec. 8 1908	15316	39396			[Ma]CDM-32°	15110	19 14.4	-32 10.2	7.3
Dec. 8 1908	15317	39397			[Mb5C]DM-21°	6120	21 47.5	-21 49.2	7.2
Dec. 8 1908	15318	39397			[Ma]DM-19°	6161	21 39.3	-19 44.2	8.8
Dec. 8 1908	15319	39397			[Mb]DM-19°	6177	21 43.8	-19 31.1	9.0
Dec. 8 1908	15320	39397			[Mb]DM-18°	6047	21 51.5	-18 40.9	8.0
Dec. 8 1908	15321	39397			[Mb5C]DM-15°	6107	21 50.9	-15 48.8	8.8
Dec. 8 1908	15322	39397			[Mb]DM-15°	6121	21 54.3	-15 40.0	8.9
Dec. 8 1908	15323	39397			[Ma]DM-14°	6223	22 1.9	-14 35.7	8.2
Dec. 8 1908	15324	39398			[Ma]DM-3°	3875	15 59.4	-3 28.9	7.5
Dec. 8 1908	15325	39400			[Br. lines]DM-21°	4864	17 59.8	-21 15.7	7.8
Dec. 8 1908	15326	39400			[Ma]DM-19°	4708	17 40.1	-19 43.2	8.3
Dec. 8 1908	15327	39400			[Br. lines]DM-19°	4854	17 59.4	-19 24.8	9.6
Dec. 8 1908	15328	39400			[Mb]DM-15°	4805	17 56.4	-15 42.7	9.0
Dec. 8 1908	15329	39400			[Mb]DM-15°	4775	17 53.0	-15 20.6	8.2
Dec. 8 1908	15330	39400			[Ma]DM-13°	4741	17 37.6	-13 57.6	8.0
Dec. 8 1908	15331	39401			[Mc5d]DM-22°	4958	18 55.0	-22 54.8	8.5

|Dec. 8 1908|15332|39401| | |Ma|DM-20° 5398|18 58.7|-20 44.1|9.0
^[[w]]|

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Type III
Type III
Type III
Type IV Var.~~?~~^[Known] S Scuti
Type IV Var.~~?~~^[Known Type IV.] New
Var.
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type V Known
Type III
Type V Known
Type III
Type III
Type III
Type III Var.~~?~~^[Known SU Sagittarii]
Type III

[illegible]

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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

[Date][No][Plate][V][H][Object][Design][RA][Dec][Magn.]

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

1908

Dec 8	15333	39401			[Mb]DM-19° 5255	18 50.9	-19 28.1	7.0	^[[w]]
Dec 8	15334	39401			[Mb]DM-19° 5250	18			
[[/strickethrough]]49.0[[/strickethrough]]50.0 -19 21.8 8.8 ^[[w]]									
Dec 8	15335	39401			[Mb5c]DM-19° 5347	19 5.4	-19 6.4	9.7	^[[w]]
Dec 8	15336	39401			[Mb5c]DM-18° 5311	19 12.4	-18 28.1	9.2	^[[w]]
Dec 8	15337	39401			[Mb]DM-18° 5344	19 15.7	-18 38.5	9.5	^[[w]]
Dec 8	15338	39401			[Mb]DM-17° 5603	19 14.4	-17 28.2	9.4	^[[w]]
Dec 8	15339	39401			[Mb]DM-17° 5588	19 12.2	-17 18.3	8.1	^[[w]]
Dec 8	15340	39401			[Pec.]DM-17° 5546	19 7.9	-17 13.2	var	^[[w]]
Dec 8	15341	39401			[Mb]DM-16° 5198	19 3.9	-16		
31. [[/strickethrough]]5 [[/strickethrough]]8 ^[[w]]									
Dec 8	15342	39401			[Mb]DM-16° 5186	19 2.5	-16 44.2	9.0	^[[w]]
Dec 8	15343	39401			[Mb]DM-16° 5183	19 2.0	-16 31.5	9.0	^[[w]]
Dec 8	15344	39401			[Ma]DM-16° 5135	18 56.8	-16 54.7	9.2	?
Dec 8	15345	39401			[Ma]DM-16° 5129	18 55.8	-16 22.0	9.5	^[[w]]
Dec 8	15346	39401			[Ma]DM-15° 5169	18 51.7	-15 56.6	9.0	?
Dec 8	15347	39401			[Mb]DM-15° 5259	19 2.6	-15 18.7	7.5	^[[w]]
Dec 8	15348	39401			[Mb]DM-13° 5345	19 17.0	-13 42.9	7.9	^[[w]]
Dec 8	15349	39402			[Ma]DM-19° 6003	20 55.7	-19 21.7	9.4	^[[w]]
Dec 8	15350	39402			[Ma]DM-18° 5902	21 9.6	-18 46.8	9.1	^[[w]]
Dec 8	15351	39402			[Ma]DM-19° 6063	21 9.0	-19 29.9	9.0	^[[w]]
Dec 8	15352	39402			[Ma]CDM-25° 15183	20 55.1	-25		
[[/strickethrough]]9 [[/strickethrough]]1 8.8 ^[[w]]									
Dec 8	15353	39403			[Ma]CDM-27° 16160	22 56.9	-27 29.5	6.9	^[[w]]
Dec 8	15354	39403			[Ma]CDM-26° 16420	22 53.7	-26 58.7	9.4	^[[w]]
Dec 8	15355	39403			[Mb5c]CDM-26° 16483	23 0.7	-26 16.5	8.5	^[[w]]
Dec 8	15356	39403			[Ma]CDM-26° 16621	23 17.9	-26 3.9	8.9	^[[w]]
Dec 8	15357	39403			[Ma]DM-22°				
603 [[/strickethrough]]5 [[/strickethrough]]4 22 50.2 -22									
48. [[/strickethrough]]7 [[/strickethrough]]0 8.5 ^[[w]]									
Dec 8	15358	39404			[Comp.]DM-18° 4488	17 10.7	-18 21.8	?	^[[w]]
Dec 8	15359	39405			[Br. lines]DM-21° 4864	17 59.8	-21 15.7	7.8	^[[w]]
Dec 8	15360	39405			[Br. lines]DM-19° 4854	17 59.4	-19 24.8	9.6	^[[w]]

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Objects of Interest on Southern Spectrum Plates

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn.
Dec 8	15333	39401			[Mb]	DM-19° 5255	18 50.9	-19 28.1	7.0
Dec 8	15334	39401			[Mb]	DM-19° 5250	18		
[[/strickethrough]]49.0 [[/strickethrough]]50.0									
Dec 8	15335	39401			[Mb5c]	DM-19° 5347	19 5.4	-19 6.4	9.7
Dec 8	15336	39401			[Mb5c]	DM-18° 5311	19 12.4	-18 28.1	9.2
Dec 8	15337	39401			[Mb]	DM-18° 5344	19 15.7	-18 38.5	9.5
Dec 8	15338	39401			[Mb]	DM-17° 5603	19 14.4	-17 28.2	9.4
Dec 8	15339	39401			[Mb]	DM-17° 5588	19 12.2	-17 18.3	8.1
Dec 8	15340	39401			[Pec.]	DM-17° 5546	19 7.9	-17 13.2	var
Dec 8	15341	39401			[Mb]	DM-16° 5198	19 3.9	-16	
31. [[/strickethrough]]5 [[/strickethrough]]8									
Dec 8	15342	39401			[Mb]	DM-16° 5186	19 2.5	-16 44.2	9.0
Dec 8	15343	39401			[Mb]	DM-16° 5183	19 2.0	-16 31.5	9.0
Dec 8	15344	39401			[Ma]	DM-16° 5135	18 56.8	-16 54.7	9.2
Dec 8	15345	39401			[Ma]	DM-16° 5129	18 55.8	-16 22.0	9.5
Dec 8	15346	39401			[Ma]	DM-15° 5169	18 51.7	-15 56.6	9.0
Dec 8	15347	39401			[Mb]	DM-15° 5259	19 2.6	-15 18.7	7.5
Dec 8	15348	39401			[Mb]	DM-13° 5345	19 17.0	-13 42.9	7.9
Dec 8	15349	39402			[Ma]	DM-19° 6003	20 55.7	-19 21.7	9.4
Dec 8	15350	39402			[Ma]	DM-18° 5902	21 9.6	-18 46.8	9.1
Dec 8	15351	39402			[Ma]	DM-19° 6063	21 9.0	-19 29.9	9.0
Dec 8	15352	39402			[Ma]	CDM-25° 15183	20 55.1	-25	
[[/strickethrough]]9 [[/strickethrough]]1									
Dec 8	15353	39403			[Ma]	CDM-27° 16160	22 56.9	-27 29.5	6.9
Dec 8	15354	39403			[Ma]	CDM-26° 16420	22 53.7	-26 58.7	9.4
Dec 8	15355	39403			[Mb5c]	CDM-26° 16483	23 0.7	-26 16.5	8.5
Dec 8	15356	39403			[Ma]	CDM-26° 16621	23 17.9	-26 3.9	8.9
Dec 8	15357	39403			[Ma]	DM-22°			
603 [[/strickethrough]]5 [[/strickethrough]]4									
48. [[/strickethrough]]7 [[/strickethrough]]0									
Dec 8	15358	39404			[Comp.]	DM-18° 4488	17 10.7	-18 21.8	?
Dec 8	15359	39405			[Br. lines]	DM-21° 4864	17 59.8	-21 15.7	7.8
Dec 8	15360	39405			[Br. lines]	DM-19° 4854	17 59.4	-19 24.8	9.6

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^{[[w]]}
 |Dec. 8 1908|15383a|39462| | |Ma|DM-15°
 556|~~6~~|~~5~~|20 0.6|-15 50.1|8.5 ^{[[w]]}
 |Dec. 8 1908|15384|39463| | |Ma|DM-16° 6021|21 58.9|-16 20.9|9.4
^{[[w]]}
 |Dec. 8 1908|15385|39463| | |Mb|DM-16° 6001|21 54.0|-16 5.3|8.5
^{[[w]]}
 |Dec. 8 1908|15386|39463| | |Mb|DM-15° 6107|21 50.9|-15 48.8|8.8
^{[[w]]}
 |Dec. 8 1908|15387|39463| | |Mb|DM-14° 6170|21 49.2|-14 47.9|9.3
^{[[w]]}
 |Dec. 8 1908|15388|39463| | |Mb|DM-14° 6163|21 48.3|-14 43.2|7.8
^{[[w]]}

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Type 3

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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]									
Date	No	Plate	V	H	Object	Design	RA	Dec	Magn
1908									
Dec. 8	15389	39463			Ma DM -14° 6223 22 1.9 -14 35.7 8.2 ^[[w]]				
Dec. 8	15390	39463			Ma DM -13°				
6178					6178 [[/strikethrough]] 1-13 55.1 [[/strikethrough]] 13				
16.7					16.7 [[/strikethrough]] 1-13 55.1 [[/strikethrough]] 13				
56.1					56.1 [[/strikethrough]] 8.3 [[/strikethrough]] 9.1 [[/strikethrough]]				
Dec. 8	15391	39463			Mb DM -13° 6170 22 14.0 -13 16.6 8.7				
^[[w]]									
Dec. 8	15392	39463			M [[/strikethrough]] b [[/strikethrough]] a DM -				
11° 5756 21 59.6 -11 9.1 6.8 ^[[w]]									
Dec. 8	15393	39464			Ma DM -18° 3 0 1.1 -18 23.1 6.2 ^[[w]]				
Dec. 8	15394	39464			Md6 DM -15° 6531 23 54.7 -15 29.5 8.4				
^[[w]]									
Dec. 8	15395	39464			Mc DM -12° 72 0 20.7 -12 27.2 6.7 ^[[w]]				
Dec. 8	15396	39464			M [[/strikethrough]] b [[/strikethrough]] a DM -				
11° 6199 23 58.8 -11 35.1 8.0 ^[[w]]									
Dec. 8	15397	39464			Mb DM - [[/strikethrough]] 9 [[/strikethrough]] 8°				
26 0 7.0 -8 35.1 5.8 ^[[w]]									
Dec. 8	15398	39465			Ma CDM -32° 12517 17				
7. [[/strikethrough]] 3 [[/strikethrough]] 4 -32 56.9 7.3 ^[[w]]									
Dec. 8	15399	39465			Cont. CDM -29°				
1 [[/strikethrough]] 5 [[/strikethrough]] 3109 16 53.3 -29 55.6 neb. ^[[w]]									
Dec. 8	15400	39465			Mb CDM -29° 13106 16 53.1 -29 28.7 7.5				
^[[w]]									
Dec. 8	15401	39465			Cont. CDM -26° 11961 17 2.4 -26 25.4 neb.				
^[[w]]									
Dec. 8	15402	39465			Cont. CDM -26° 11823 16 54.9 -26 4.6 neb.				
^[[w]]									
Dec. 8	15403	39466			Ma CPD -67° 3348 17 30.8 -67 19.9 8.8				
^[[w]]									
Dec. 8	15404	39466			Mb CPD -67° 3481 18 0.2 -67 49.7 9.0 ^[[w]]				
Dec. 8	15405	39466			Mb CPD -65° 3585 17 53.2 -65 9.8 9.0 ^[[w]]				
Dec. 8	15406	39466			Ma CPD -65° 3752 18 34.5 -65 22.2 8.3				
^[[w]]									
Dec. 8	15407	39466			Mb CPD -64° 3907 18 15.8 -64 22.7 8.7				
^[[w]]									
Dec. 8	15408	39466			Mb CPD -64° 3795 17 55.5 -64 11.5 9.2				
^[[w]]									
Dec. 8	15409	39466			Mb CPD -63° 4149 17 46.0 -63 36.5 8.6				
^[[w]]									
Dec. 8	15410	39466			Mb CPD -59° 7328 18 28.8 -59 24.2 8.5				
^[[w]]									
Dec. 8	15411	39466			Mb CPD -59° 7277 18 19.4 -59 22.0 8.8				
^[[w]]									
Dec. 8	15412	39467			Mb CPD -62° 6147 20 3.5 -62 39.1 8.6 ^[[w]]				
Dec. 8	15413	39467			Mc5 CPD -60° 7384 20 1.2 -60 18.0 9.4				
^[[w]]									
Dec. 8	15414	39467			Mb CPD -58° 7699 19 52.6 -58 48.1 8.8				
^[[w]]									
Dec. 8	15415	39467			Ma CPD -57° 9706 20 22.8 -57 54.2 9.2				
^[[w]]									
Dec. 8	15416	39468			Ma DM -4° 4332 17 34.9 -4 46.4 6.5 ^[[w]]				

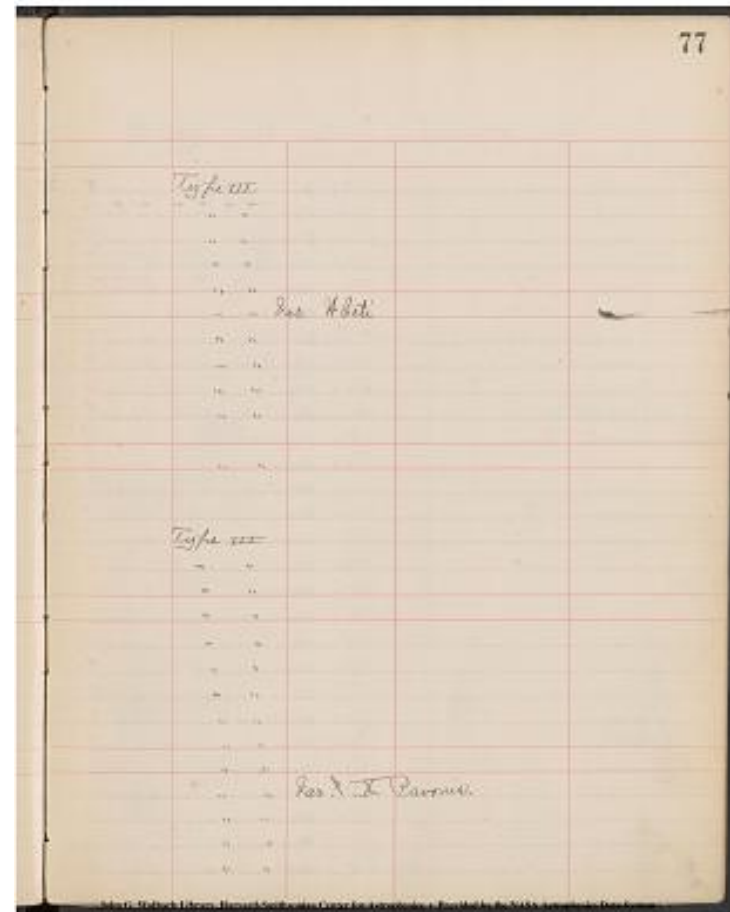
76									
Objects of Interest on Southern Spectrum Plates									
Plate	No	Plate	No	Object	Design	RA	Dec	Magn	
39463	15389	39468		Ma DM -14° 6223	22 1.9	-14 35.7	8.2	^[[w]]	
"	15390	"		Ma DM -13°					
"	15391	"		Ma DM -13° 6170	22 14.0	-13 16.6	8.7		
"	15392	"		Ma DM -11° 5756	21 59.6	-11 9.1	6.8	^[[w]]	
"	15393	39464		Ma DM -18° 3	0 1.1	-18 23.1	6.2	^[[w]]	
"	15394	"		Md6 DM -15° 6531	23 54.7	-15 29.5	8.4		
"	15395	"		Mc DM -12° 72	0 20.7	-12 27.2	6.7	^[[w]]	
"	15396	"		M [[/strikethrough]] b [[/strikethrough]] a					
"	15397	"		Mb DM -					
"	15398	"		Ma CDM -32° 12517	17				
"	15399	"		Cont. CDM -29°					
"	15400	"		Mb CDM -29° 13106	16 53.1	-29 28.7	7.5		
"	15401	"		Cont. CDM -26° 11961	17 2.4	-26 25.4	neb.		
"	15402	"		Cont. CDM -26° 11823	16 54.9	-26 4.6	neb.		
"	15403	"		Ma CPD -67° 3348	17 30.8	-67 19.9	8.8		
"	15404	"		Mb CPD -67° 3481	18 0.2	-67 49.7	9.0	^[[w]]	
"	15405	"		Mb CPD -65° 3585	17 53.2	-65 9.8	9.0	^[[w]]	
"	15406	"		Ma CPD -65° 3752	18 34.5	-65 22.2	8.3		
"	15407	"		Mb CPD -64° 3907	18 15.8	-64 22.7	8.7		
"	15408	"		Mb CPD -64° 3795	17 55.5	-64 11.5	9.2		
"	15409	"		Mb CPD -63° 4149	17 46.0	-63 36.5	8.6		
"	15410	"		Mb CPD -59° 7328	18 28.8	-59 24.2	8.5		
"	15411	"		Mb CPD -59° 7277	18 19.4	-59 22.0	8.8		
"	15412	"		Mb CPD -62° 6147	20 3.5	-62 39.1	8.6	^[[w]]	
"	15413	"		Mc5 CPD -60° 7384	20 1.2	-60 18.0	9.4		
"	15414	"		Mb CPD -58° 7699	19 52.6	-58 48.1	8.8		
"	15415	"		Ma CPD -57° 9706	20 22.8	-57 54.2	9.2		
"	15416	"		Ma DM -4° 4332	17 34.9	-4 46.4	6.5	^[[w]]	

Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

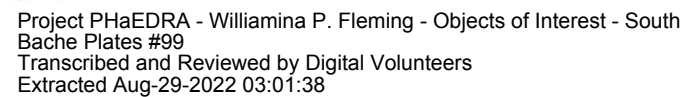
Date 1908 | No | Plate | V | H | Object | Design | RA | Dec | Magn
 Dec. 8 | 15417 | 39468 | | | M ~~[[/del]]~~ b ~~[[/del]]~~ a | DM
 -2° 4425 | 17 32.7 | -2 4.1 | 6.2
 Dec. 8 | 15418 | 39468 | | | Mb5c | DM +0° 3717 | 17 25.9 | +0 12.6 |
 8.5
 Dec. 8 | 15419 | 39469 | | | Comp. | CDM -32° 14224 | 18 23.2 | -32
 25.3 | neb.
 Dec. 8 | 15420 | 39469 | | | Mb | CDM -32° 14296 | 18
 28.2 | -32 25.0 | 8.5
 Dec. 8 | 15421 | 39469 | | | Mb | CDM -27°
 12989 ~~[[/del]]~~ 98 ~~[[/del]]~~ 18
 27.7 ~~[[/del]]~~ 28.3 ~~[[/del]]~~ -27
 26.4 ~~[[/del]]~~ 17.3 ~~[[/del]]~~ 7.8 ~~[[/del]]~~ 8.3 ~~[[/del]]~~
 Dec. 8 | 15422 | 39470 | | | Ma | CPD -57° 8692 | 17 33.3 | -57 56.8 | 8.6 |
 Dec. 8 | 15423 | 39470 | | | Na | CPD -57° 8687 | 17 32.5 | -57 39.4 | 8.8 |
 Dec. 8 | 15424 | 39470 | | | Ma | CPD -53° 8740 | 17
 32. ~~[[/del]]~~ 5 ~~[[/del]]~~ 4 -53 53.7 | 9.6 |
 Dec. 8 | 15425 | 39470 | | | Ma | C ~~[[/del]]~~ DM ~~[[/del]]~~ PD -
 53° 8619 | 17 17.5 | -53 6.6 | 8.0 |
 Dec. 8 | 15426 | 39470 | | | Br. lines | CDM -51° 10820 | 17 10.9 | -51
 37.7 | 10.0 |
 Dec. 8 | 15427 | 39470 | | | Ma | CDM -51° 10916 | 17 19.7 | -51 33.1 | 9.8 |
 Dec. 8 | 15428 | 39470 | | | Ma | CDM -51° 10980 | 17 25.2 | -51 36.0 | 9.6 |
 Dec. 8 | 15429 | 39470 | | | Mb | CDM -50° 11474 | 17 32.3 | -50 26.5 | 9.6 |
 Dec. 8 | 15430 | 39470 | | | Ma | CDM -50° 11573 | 17 41.2 | -50 14.8 | 7.5 |
 Dec. 8 | 15431 | 39470 | | | Mb | CDM -48° 11820 | 17 24.7 | -48 22.4 | 8.1 |
 Dec. 8 | 15432 | 39471 | | | Ma | CDM -46° 12720 | 18 48.5 | -46 53.5 | 8.4 |
 Dec. 8 | 15433 | 39471 | | | Ma | CDM -47° 12780 | 19 2.4 | -47 5.1 | 8.3 |
 Dec. 8 | 15434 | 39471 | | | Ma | CDM -47° 12800 | 19 5.2 | -47 14.9 | 8.9 |
 Dec. 8 | 15435 | 39471 | | | Ma | CDM -45° 12978 | 18 57.2 | -45 58.4 | 9.5 |
 Dec. 8 | 15436 | 39471 | | | Ma | CDM -46° 12809 | 18 57.8 | -46 9.2 | 8.2 |
 Dec. 8 | 15437 | 39471 | | | Mb | CDM -46° 12875 | 19 4.8 | -46 12.4 | 9.3 |
 Dec. 8 | 15438 | 39471 | | | Mb | CDM -44°
 1309 ~~[[/del]]~~ 4 ~~[[/del]]~~ 3 | 18 56.0 | -44
 56.8 ~~[[/del]]~~
 23. ~~[[/del]]~~ 9 ~~[[/del]]~~ 8 | 9.9 |
 Dec. 8 | 15439 | 39471 | | | Ma | CDM -43° 13282 | 19 10.4 | -43 42.5 | 9.0 |
 Dec. 8 | 15440 | 39471 | | | Mb | CDM -43° 13346 | 19 15.0 | -43 10.5 | 8.6 |
 Dec. 8 | 15441 | 39471 | | | Ma | CDM -42° 14230 | 19 20.1 | -42 21.9 | 8.2 |
 Dec. 8 | 15442 | 39471 | | | Mb | CDM -42° 14212 | 19 18.8 | -42 14.0 | 8.6 |
 Dec. 8 | 15443 | 39471 | | | Ma | CDM -41° 13349 | 19 0.5 | -41 27.4 | 8.0 |
 Dec. 8 | 15444 | 39471 | | | Mb | CDM -41°
 13323 | 18 58.0 | -41 43.6 | 9.7 |

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Objects of Interest on Southern Spectrum Plates

Plate	No	Plate	V	H	Object	Design	RA	Dec	Magn
15417	39468				M	b	17 32.7	-2 4.1	6.2
15418	39468				Mb5c		17 25.9	+0 12.6	8.5
15419	39469				Comp.		18 23.2	-32 25.3	
15420	39469				Mb		18 28.2	-32 25.0	8.5
15421	39469				Mb		18 27.7	-27 26.4	
15422	39470				Ma		17 33.3	-57 56.8	8.6
15423	39470				Na		17 32.5	-57 39.4	8.8
15424	39470				Ma		17 32.0	-53 53.7	9.6
15425	39470				Ma		17 17.5	-53 6.6	8.0
15426	39470				Br. lines		17 10.9	-51 37.7	10.0
15427	39470				Ma		17 19.7	-51 33.1	9.8
15428	39470				Ma		17 25.2	-51 36.0	9.6
15429	39470				Mb		17 32.3	-50 26.5	9.6
15430	39470				Ma		17 41.2	-50 14.8	7.5
15431	39470				Mb		17 24.7	-48 22.4	8.1
15432	39471				Ma		18 48.5	-46 53.5	8.4
15433	39471				Ma		19 2.4	-47 5.1	8.3
15434	39471				Ma		19 5.2	-47 14.9	8.9
15435	39471				Ma		18 57.2	-45 58.4	9.5
15436	39471				Ma		18 57.8	-46 9.2	8.2
15437	39471				Mb		19 4.8	-46 12.4	9.3
15438	39471				Mb		18 56.0	-44 56.8	
15439	39471				Ma		19 10.4	-43 42.5	9.0
15440	39471				Mb		19 15.0	-43 10.5	8.6
15441	39471				Ma		19 20.1	-42 21.9	8.2
15442	39471				Mb		19 18.8	-42 14.0	8.6
15443	39471				Ma		19 0.5	-41 27.4	8.0
15444	39471				Mb		18 58.0	-41 43.6	9.7

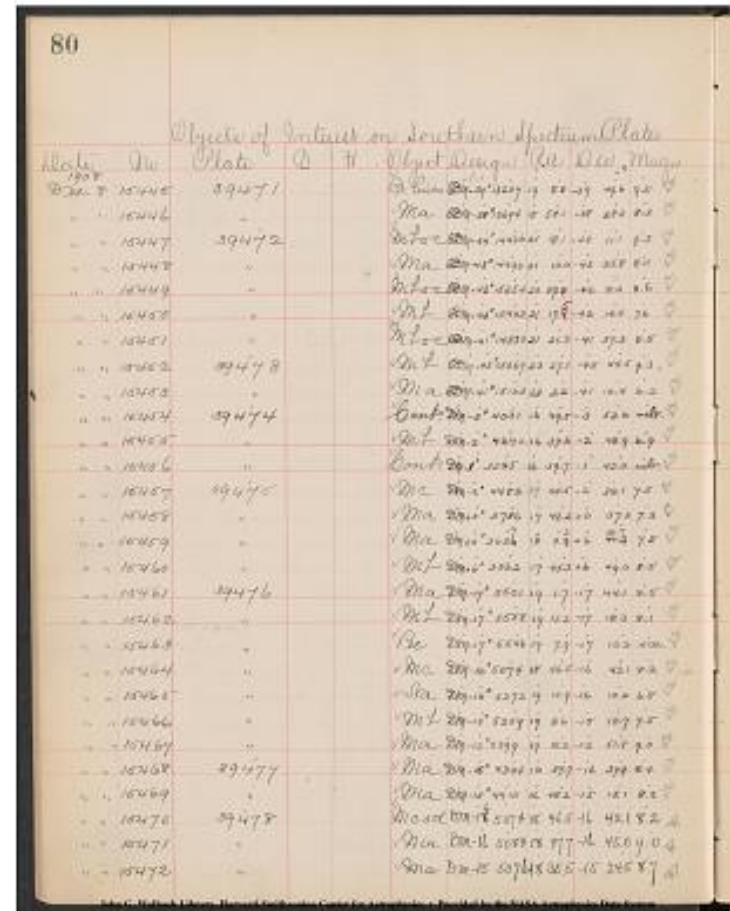
Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
Bache Plates #99
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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date	1908	No		Plate		V		H		Object		Design		RA		Dec		Magn
Dec. 8		15445		39471				Br. lines		CDM -39° 13207		19 8.8		-39		49.6		9.5
Dec. 8		15446		39471				Ma		CDM -38° 13294		18 54.1		-38 28.0		8.3		
Dec. 8		15447		39472				Mb5c		CDM -44° 14466		21 18.1		-44 11.1		9.3		
Dec. 8		15448		39472				Ma		CDM -43° 14496		21 13.6		-43 55.8		8.0		
Dec. 8		15449		39472				Mb5c		CDM -42° 15254		20 59.8		-42 8.3		8.6		
Dec. 8		15450		39472				Mb		CDM -42° 15443		21 17.						
[[/strickethrough]] 4 [[/strickethrough]] 5 -42 14.4 7.6																		
Dec. 8		15451		39472				Mb5c		CDM -41° 14530		21 21.3		-41 57.3		8.5		
Dec. 8		15452		39473				Mb		CDM -45° 15067		23 27.1		-45 44.5		9.3		
Dec. 8		15453		39473				Ma		CDM -41° 15163		23 3.2		-41 16.4		6.2		
Dec. 8		15454		39474				Cont.		DM -3° 4031		16 49.5		-3 52.0		neb.		
Dec. 8		15455		39474				Mb		DM -2° 4242		16 37.6		-2 48.9		6.9		
Dec. 8		15456		39474				Cont.		DM -1° 3245		16 39.7		-1 42.0		neb.		
Dec. 8		15457		39475				Mc		DM -2° 4482		17 45.5		-2 32.1		7.5		
Dec. 8		15458		39475				Ma		DM +0° 3786		17 42.2		+0 57.3		7.3		
Dec. 8		15459		39475				Ma		DM +6° 362		[[/strickethrough]] 6						
[[/strickethrough]] 7 18 0. [[/strickethrough]] 2 [[/strickethrough]] 3 +6																		
[[/strickethrough]] 41.3 [[/strickethrough]] 31.7 7.5																		
Dec. 8		15460		39475				Mb		DM +6° 3562		17 45.3		+6 49.0		8.5		
Dec. 8		15461		39476				Ma		DM -17° 5501		19 1.7		-17 44.1		8.5		
Dec. 8		15462		39476				Mb		DM -17° 5588		19 12.2		-17 18.3		8.1		
Dec. 8		15463		39476				Pec.		DM -17° 5546		19 7.9		-17 13.2		var.		
Dec. 8		15464		39476				Mc		DM -16° 5074		18 46.5		-16 42.1		8.2		
Dec. 8		15465		39476				Na		DM -16° 5272		19 10.9		-16 10.2		6.8		
Dec. 8		15466		39476				Mb		DM -15° 5259		19 2.6		-15 18.7		7.5		
Dec. 8		15467		39476				Ma		DM -12° 5399		19 18.2		-12 51.8		9.0		
Dec. 8		15468		39477				Ma		DM -16° 4344		16 37.7		-16 37.9		8.4		
Dec. 8		15469		39477				Ma		DM -15° 4410		16 48.2		-15 15.1		8.2		
Dec. 8		15470		39478				Mc5d		DM -1		[[/strickethrough]] 8						
[[/strickethrough]] 6° 5074 18 46.5 -16 42.1 8.2																		
Dec. 8		15471		39478				Ma		DM -16° 5084		18 47.7		-16 45.0		9.0		
Dec. 8		15472		39478				Ma		DM -15° 5076		18 35.5		-15 24.5		8.7		



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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date 1908|No|plate|V|H|object|design|RA|Dec|Magn

Dec. 8	15473	39478			Ma	DM -15° 5043	18 30.8	-15° 9.6	7.7
Dec. 8	15474	39478			Mb	DM-10 4876	18 48.5	-10 42.4	9.0
Dec. 8	15475	39478			Na	DM-8 4726	18 42.5	-8 4.1	7.1
Dec 10	15476	39479			Mc	DM-17° 6181	20 59.2	-17 0.2	8.2
Dec 10	15477	39479			Mb	DM-15° 5852	20 51.4	-15 21.6	8.8
Dec 10	15478	39479			Ma	DM-14° 5839	20 36.5	-14 42.3	7.1
Dec 10	15479	39479			Ma	DM-14° 5812	20 32.0	-14 31.2	8.3
Dec 10	15480	39479			Br lines	DM -11° 5511	20 56.3	-11 56.3	neb.
Dec 10	15481	39479			Ma	DM -10° 5578	20 54.7	-10 33.9	6.8
Dec 10	15482	39479			Mb	DM -9° 5587	20 41.5	-9 19.2	8.1
Dec 10	15483	39480			Ma	DM -15° 6330	22 54.5	-15 44.9	8.0
Dec 10	15484	39480			Ma	DM -14° 6407	22 58.9	-14 32.5	8.6
Dec 10	15485	39480			Ma	DM -12° 6457	23 9.1	-12 45.7	9.2
Dec 10	15486	39480			Ma	DM -13° 6408	23 20.6	-13 0.8	7.7
Dec 10	15487	39480			Ma	DM -11° 6071	23 18.3	-11 57.3	8.3
Dec 10	15488	39480			Ma	DM -9° 6128	23 0.9	-9 47.5	8.5
Dec 10	15489	39480			Mb	DM -8° 6065	23 7.3	-8 29.3	8.0
Dec 10	15490	39480			Mb	DM -8° 6076	23 9.3	-8 31.0	5.5
Dec 10	15491	39480			Ma	DM -8° 603	23 0.9	-8 31.0	5.5
Dec 10	15491a	39482			Ma	DM -17° 5746	19 38.8	-17 25.5	7.0
Dec 10	15492	39482			Mb	DM -16	19 25.0	-16	53.2
Dec 10	15493	39482			Na	DM -16° 5360	19 26.0	-16 41.3	7.2
Dec 10	15494	39482			Na	DM -16° 5272	19 10.9	-16 10.2	6.8
Dec 10	15495	39482			Br. lines	DM -14° 5523	19 35.8	-14 29.5	neb.
Dec 10	15496	39482			Mb	DM -13° 5345	19 17.0	-13 42.9	7.9
Dec 10	15497	39482			Dark bands	DM -10° 5057	19 15.2	-10 58.6	7.0
Dec 10	15498	39482			Ma	DM -10° 5052	19 14.6	-10 32.7	9.1
Dec 10	15499	39482			Mb	DM -10° 5035	19 12.4	-10 49.3	7.3
Dec 10	15499a	39482			Ma	DM -9° 5130	19 18.0	-9 17.5	8.1
Dec 10	15500	39483			Ma	DM -14° 6163	21 48.3	-14 43.2	7.8

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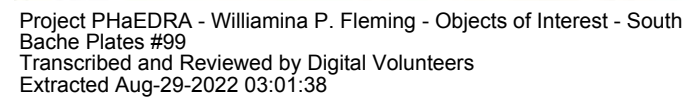
Objects of Interest on Southern Spectrum Plates

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn
Dec. 8	15473	39478			Ma	DM -15° 5043	18 30.8	-15° 9.6	7.7
"	15474	"			Mb	DM-10 4876	18 48.5	-10 42.4	9.0
"	15475	"			Na	DM-8 4726	18 42.5	-8 4.1	7.1
"	15476	39479			Mc	DM-17° 6181	20 59.2	-17 0.2	8.2
"	15477	"			Mb	DM-15° 5852	20 51.4	-15 21.6	8.8
"	15478	"			Ma	DM-14° 5839	20 36.5	-14 42.3	7.1
"	15479	"			Ma	DM-14° 5812	20 32.0	-14 31.2	8.3
"	15480	"			Br lines	DM -11° 5511	20 56.3	-11 56.3	neb.
"	15481	"			Ma	DM -10° 5578	20 54.7	-10 33.9	6.8
"	15482	"			Mb	DM -9° 5587	20 41.5	-9 19.2	8.1
"	15483	"			Ma	DM -15° 6330	22 54.5	-15 44.9	8.0
"	15484	"			Ma	DM -14° 6407	22 58.9	-14 32.5	8.6
"	15485	"			Ma	DM -12° 6457	23 9.1	-12 45.7	9.2
"	15486	"			Ma	DM -13° 6408	23 20.6	-13 0.8	7.7
"	15487	"			Ma	DM -11° 6071	23 18.3	-11 57.3	8.3
"	15488	"			Ma	DM -9° 6128	23 0.9	-9 47.5	8.5
"	15489	"			Mb	DM -8° 6065	23 7.3	-8 29.3	8.0
"	15490	"			Mb	DM -8° 6076	23 9.3	-8 31.0	5.5
"	15491	"			Ma	DM -8° 603	23 0.9	-8 31.0	5.5
"	15491a	"			Ma	DM -17° 5746	19 38.8	-17 25.5	7.0
"	15492	"			Mb	DM -16	19 25.0	-16	53.2
"	15493	"			Na	DM -16° 5360	19 26.0	-16 41.3	7.2
"	15494	"			Na	DM -16° 5272	19 10.9	-16 10.2	6.8
"	15495	"			Br. lines	DM -14° 5523	19 35.8	-14 29.5	neb.
"	15496	"			Mb	DM -13° 5345	19 17.0	-13 42.9	7.9
"	15497	"			Dark bands	DM -10° 5057	19 15.2	-10 58.6	7.0
"	15498	"			Ma	DM -10° 5052	19 14.6	-10 32.7	9.1
"	15499	"			Mb	DM -10° 5035	19 12.4	-10 49.3	7.3
"	15499a	"			Ma	DM -9° 5130	19 18.0	-9 17.5	8.1
"	15500	"			Ma	DM -14° 6163	21 48.3	-14 43.2	7.8

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[[2 column table]] 10

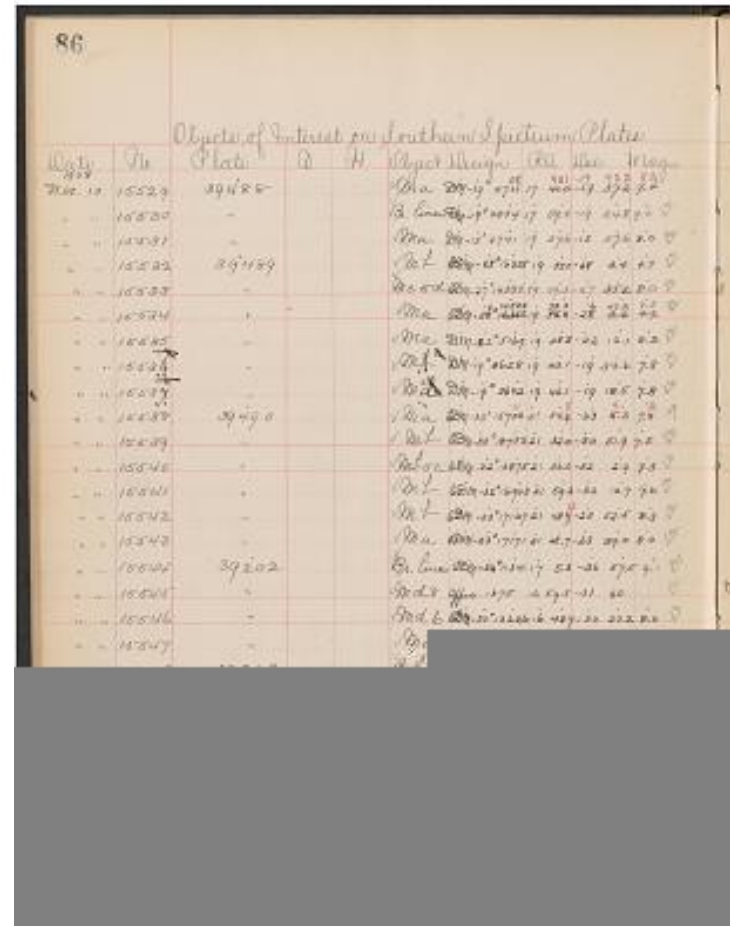
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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn
Dec. 10	15529	39488			Ma	DM -19° 47	11	17	41.0
Dec. 10	15530	39488			Br. lines	DM -19° 4854	17 59.4	-19 24.8	9.6
Dec. 10	15531	39488			Ma	DM -13° 4741	17 37.6	-13 57.6	8.0
Dec. 10	15532	39489			Mb	CDM -28° 16355	19 55.0	-28 3.4	4.7
Dec. 10	15533	39489			Mc5d	CDM -27° 14534	19 59.3	-27 35.2	8.0
Dec. 10	15534	39489			Ma	CDM -28°	16355	19 55.2	-28 3.4
Dec. 10	15535	39489			Ma	DM -22° 5169	19 28.8	-22 16.1	8.2
Dec. 10	15536	39489			Mb	DM -19° 5628	19 43.1	-19 34.6	7.8
Dec. 10	15537	39489			Ma	DM -19° 5642	19 46.1	-19 18.5	7.8
Dec. 10	15538	39490			Ma	CDM -33° 157	06	21 34.2	-33 5.3
Dec. 10	15539	39490			Mb	CDM -30° 18752	21 32.0	-30 51.9	7.5
Dec. 10	15540	39490			Mb5c	CDM -32° 16875	21 56.0	-32 2.9	7.3
Dec. 10	15541	39490			Mb	CDM -32° 16903	21 59.3	-32 10.7	7.6
Dec. 10	15542	39490			Mb	CDM -23° 17167	21 48.	-23 52.5	8.3
Dec. 10	15543	39490			Ma	CDM -23° 17171	21 48.7	-23 39.0	8.0
Dec. 10	15544	39202			Br. lines	CDM -36° 11341	17 5.3	-36 57.5	9.1
Dec. 10	15545	39202			Md8	Approx. 1875	16 59.5	-31 40	
Dec. 10	15546	39202			Md6	CDM -30° 13626	16 48.7	-30 23.2	8.0
Dec. 10	15547	39202			Ma	CDM -30° 13620	16 48.2	-30 6.7	8.9
Dec. 10	15548	39203			Br. lines	CDM -36° 12130	17 54.0	-36 40.5	9.0
Dec. 10	15549	39203			Na	CDM -35° 11923	17 39.1	-35 38.7	8.0
Dec. 10	15550	39203			Ma	DM -18° 5902	21 9.6	-18 46.8	9.1
Dec. 10	15551	39203			Br. lines	CDM -33° 12935	18 3.8	-33 53.6	10.0
Dec. 10	15552	39203			Br. lines	CDM -32° 13623	17 53.	-32 42.4	8.7
Dec. 10	15553	39203			Mb	CDM -32° 13223	17 35.4	-32 35.9	7.2
Dec. 10	15554	39203			Ma	CDM -30° 15065	17 51.8	-30 19.8	8.6
Dec. 10	15555	39203			Ma	CDM -29° 14095	17 44.1	-29 35.7	

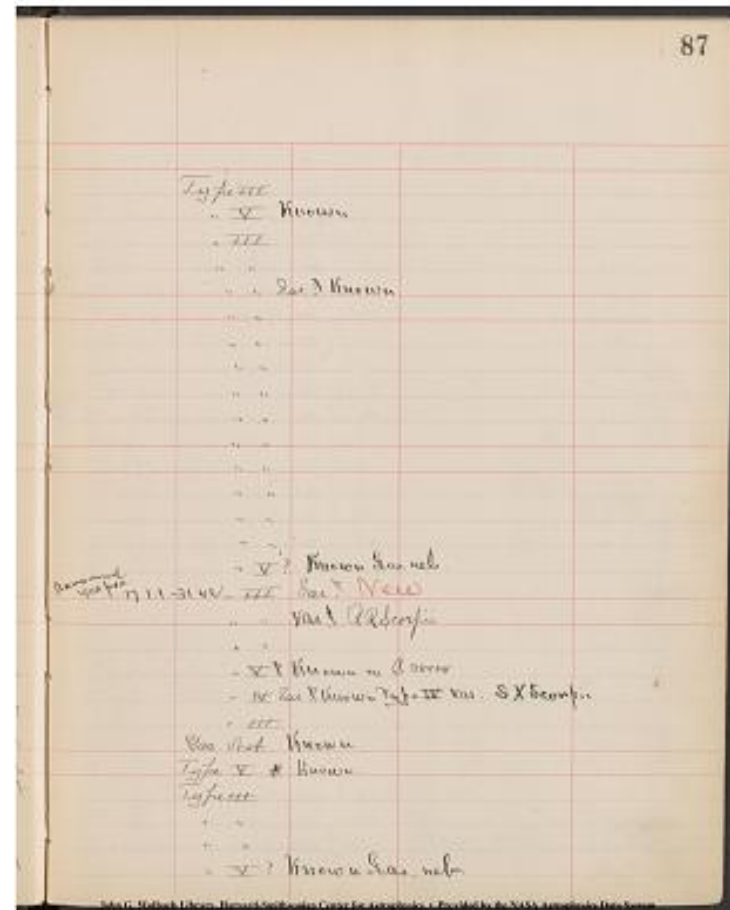


9.4
Dec. 10 | 15556 | 39203 | | | Br. lines | CDM -28° 14266 | 18 4.0 | -28
11.9 | 10.0

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Type III
 Type V Known
 Type III
 Type III
 Type III Var. ~~?~~ ~~?~~ Known
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type V ? Known Gas. neb
 Announced 1900 /00s. 1711 -3142 Type III Var ~~?~~ ~~?~~
~~?~~ New
 Type III Var ~~?~~ ~~?~~ R R Scorpii
 Type III
 Type V ~~?~~ ~~?~~ Known on B 38804
 Type IV Var ~~?~~ ~~?~~ Type IV Var.
 Type III
 Gas Neb. Known
 Type V ~~?~~ Known
 Type III
 Type III
 Type III
 Type V ? Known Gas. neb.



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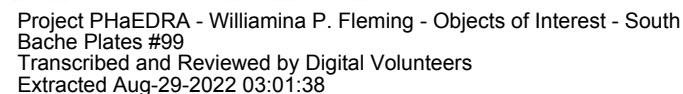
Objects of Interest on Southern Spectrum Plates

1909

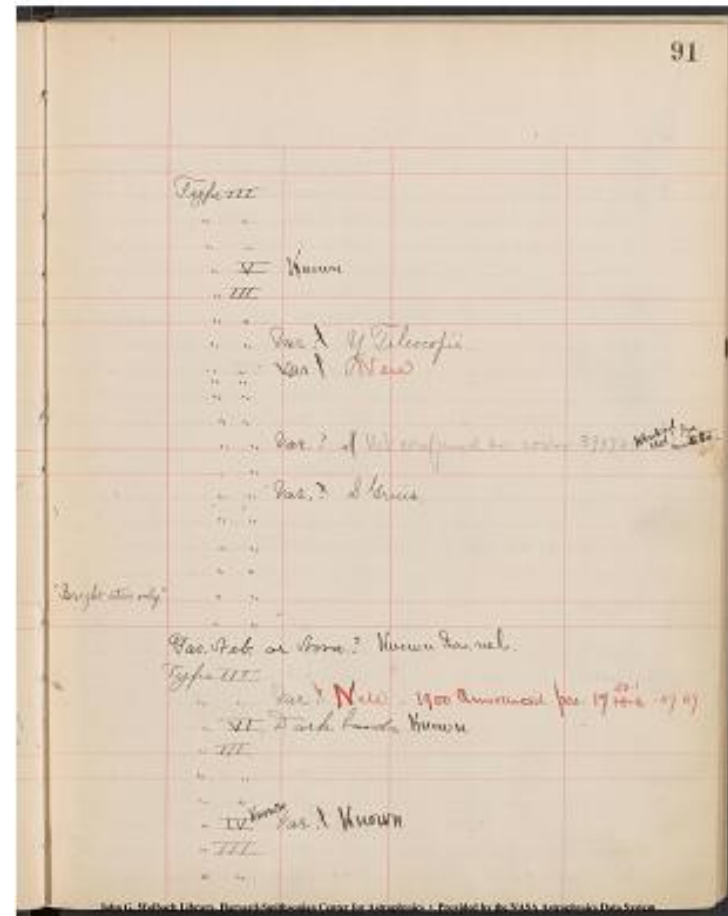
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Date	No	Plate	V	H	Object	Design	RA	Dec	Magn
Feb. 6	15557	39359			Mb	DM-17° 5066	18 4.3	-17 26.9	9.0 ^[[w]]
Feb. 6	15558	39359			Ma	DM-16° 4807	18 10.7	-16 25.9	9.0 ^[[w]]
Feb. 6	15559	39359			A Pec.	DM-14° 4880	17 57.7	-14 12.2	8.0 ^[[w]]
Feb. 6	15560	39359			Ma	DM-12°			
Feb. 6	15561	39359			Br. lines	DM-12° 4593	18 11.0	-11 41.3	8.7 ^[[w]]
Feb. 6	15562	39360			Ma	CPD-57° 9397	19 16.1	-57 9.9	8.6 ^[[w]]
Feb. 6	15563	39360			Mb	CPD-56° 9180	19 16.6	-56 47.7	9.8 ^[[w]]
Feb. 6	15564	39360			Ma	CPD-55° 9144	19 29.5	-55 45.6	10.4 ^[[w]]
Feb. 6	15565	39361			Ma	C[[strickethrough]]PD[[strickethrough]]DM-47° 13708	21 0.7	-47 16.2	8.0 ^[[w]]
Feb. 6	15566	39361			Ma	CDM-42° 15413	21 15.0	-42 29.8	10.0 ^[[w]]
Feb. 6	15567	39361			Mb	CDM-41° 14633	21 37.2	-41 18.9	8.5 ^[[w]]
Feb. 6	15568	39367			Mb	CDM-43° 9051	14 18.4	-43 34.9	9.5 ^[[w]]
Feb. 6	15569	39367			Na	CDM-42° 9465	14 27.9	-42 49.2	8.3 ^[[w]]
Feb. 6	15570	39367			Mb	CDM-39° 8993	14 25.5	-39 1.3	9.0 ^[[w]]
Feb. 6	15571	39367			Ma	CDM-38° 9442	14 24.1	-38 0.4	7.9 ^[[w]]
Feb. 6	15572	39368			Mb	CDM-37° 10338	15 25.7	-37 13.0	7.5 ^[[w]]
Feb. 6	15573	39368			Mb	CDM-37° 10548	15 43.5	-37 47.0	8.1 ^[[w]]
Feb. 6	15574	39368			Mb5c	CDM-36° 10360	15 35.4	-36 46.0	8.3 ^[[w]]
Feb. 6	15575	39368			Mb	CDM-28° 11499	15 33.9	-28 53.4	7.4 ^[[w]]
Feb. 6	15576	39368			Mb	CDM-29° 12005	15 42.8	-29 8.6	9.3 ^[[w]]
Feb. 6	15577	39369			Na	CPD-67° 3220	16 37.3	-67 33.2	9.7 ^[[w]]
Feb. 6	15578	39369			Mb	CPD-66° 2866	15 49.5	-66 29.2	8.9 ^[[w]]
Feb. 6	15579	39369			Pec	CPD-66° 2978	16 23.3	-66 51.5	8.7 ^[[w]]
Feb. 6	15580	39369			Ma	CPD-63° 3906	16 12.7	-63 12.5	9.7 ^[[w]]
Feb. 6	15581	39369			Br. lines	CPD-62° 5141	15 52.8	-62 20.3	8.8 ^[[w]]
Feb. 6	15582	39370			Ma	CPD-67° 3348	17 30.8	-67 19.9	8.8 ^[[w]]
Feb. 6	15583	39370			Na	CPD-67° 3220	16 37.3	-67 33.2	9.7 ^[[w]]
Feb. 6	15584	39370			Ma	CPD-60° 6686	16 50.6	-60 45.7	9.6 ^[[w]]

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Type III
 Type III
 Type III
 Type V Known
 Type III
 Type III
 Type III Var[[~~?~~]] y Telescopii.
 Type III Var[[~~?~~]] New
 Type III
 Type III
 Type III
 Type III Var. ? [[~~S~~]] Not confirmed see cover
 39373 Marked red? Mistake
 Type III
 Type III Var. [[~~?~~]] S Grus.
 Type III
 Type III
 Type III
 "Bright star only." Type III
 Type III
 Gas. Neb. as Nova? Known Gas. neb.
 Type III
 Type III Var[[~~?~~]] New 1900 announced pos.
 17 [[~~18.2~~]] 20.1 -49 49
 Type VI Dark bands. Known
 Type III
 Type III
 Type III
 Type IV ^[[Known]] Var[[~~?~~]] Known
 Type III
 Type III



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~~5~~-56 2.6|7.5 ^[[w]]
 Mar. 15|15639|39382| |Ma|CPD -55° 9670|21 35.2|-55 4.1|7.8 ^[[w]]
 Mar. 15|15640|39382| |Md4|approx. 1875|21 21. ~~7~~
~~6~~-54 30| |

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1909 Objects of Interest on Southern Spectrum Plates

[[10 column table]]

[Date|No|Plate|V|H|Object|Design|RA|Dec|Magn.]

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

March 15|15641|39382 cont.| | ^[[[]]]Class R|CPD -

5[[[strikethrough]]]3[[[strikethrough]]]4° 9810|21 1.3|-

5[[[strikethrough]]]3[[[strikethrough]]]4 12.6|10.0 ^[[[symbol - w over V]]]

March 15|15642|39382 cont.| |

^[[[]]]Md|[[[strikethrough]]]approx. [[[strikethrough]]] Meas. 1875|21

5[[[strikethrough]]]2[[[strikethrough]]]3[[[strikethrough]]]4|-

53

3[[[strikethrough]]]1[[[strikethrough]]]3[[[strikethrough]]]32|

V|

March 15|15643|39683| | ^[[[]]]Ma|CDM -47°14701|23

42. [[[strikethrough]]]8[[[strikethrough]]]3|-47 32.3|7.4 ^[[[symbol - w over V]]]

March 15|15644|39683| | ^[[[]]]Mb|CDM -46°14721|23 31.1|-46

15.5|8.0 ^[[[symbol - w over V]]]

March 15|15645|39683| | ^[[[]]]Mc|CDM -45°15067|23 27.1|-45

44.5|9.3 ^[[[symbol - w over V]]]

March 15|15646|39683| |

^[[[]]]Ma5b|LDM-43°15584|23 59.1|-43 35.0|7.5 ^[[[symbol - w over V]]]

March 15|15647|39684| |

^[[[]]]Mb|LDM-46°552|1 48.6|-46 54.8|4.8 ^[[[symbol - w over V]]]

March 15|15647|39684| | ^[[[]]]Ma|CDM -46°743|2 14.7|-45 44.0|9.3

^[[[symbol - w over V]]]

March 15|15649|39685| | ^[[[]]]Na|DM +7°929|5 25.4|+7 2.1|8.2

^[[[symbol - w over V]]]

March 15|15650|39685| | ^[[[]]]Mb5C|DM +8°1005|5 27.4|+8 36.1|8.1

^[[[symbol - w over V]]]

March 15|15651|39685| | ^[[[]]]Ma|DM +11°898|5 31.4|+11 25.7|8.0

^[[[symbol - w over V]]]

March 15|15652|39686| | ^[[[]]]Mc5d|CPD-63°4530|19 24.0|-63 1.5|8.9

^[[[symbol - w over V]]]

March 15|15653|39686| | ^[[[]]]Ma|CPD-62°6103|19 35.8|-62 45.0|7.9

^[[[symbol - w over V]]]

March 15|15654|39686| | ^[[[]]]Mb|CPD-63°4549|19 44.3|-63 20.2|8.9

^[[[symbol - w over V]]]

March 15|15655|39686| | ^[[[]]]Ma|CPD-62°6147|20 3.5|-62 39.1|8.6

^[[[symbol - w over V]]]

March 15|15656|39686| | ^[[[]]]Mb|CPD-61°6429|19 44.2|-61 16.8|9.4

^[[[symbol - w over V]]]

March 15|15657|39686| | ^[[[]]]Ma|CPD-60°7338|19 41.2|-60 57.0|9.8

^[[[symbol - w over V]]]

March 15|15658|39686| | ^[[[]]]Mc5d|CPD-59°7544|19 44.7|-59

30.9|9.2 ^[[[symbol - w over V]]]

March 15|15658a|39686| | ^[[[]]]Mb|CPD-59°7564|19 51.2|-59 42.8|7.0

^[[[symbol - w over V]]]

March 15|15659|39686| | ^[[[]]]Ma|CPD-59°7611|20 13.5|-59 44.0|9.4

^[[[symbol - w over V]]]

March 15|15660|39686| | ^[[[]]]Mb per.|CPD-58°7699|19 52.6|-58

48.1|8.8 ^[[[symbol - w over V]]]

March 15|15661|39686| | ^[[[]]]Mb|CPD-56°9260|19 33.0|-56 32.9|8.4

^[[[symbol - w over V]]]

March 15|15662|39686| | ^[[[]]]Mb|CPD-54°9391|19 22.0|-54 25.3|7.8

^[[[symbol - w over V]]]

March 15|15663|39686| | ^[[[]]]Mb|CPD-53°9602|19 26.1|-53 16.6|7.8

^[[[symbol - w over V]]]

March 15|15664|39686| | ^[[[]]]Mb|CPD-53°9799|19 58.6|-53 54.5|8.4

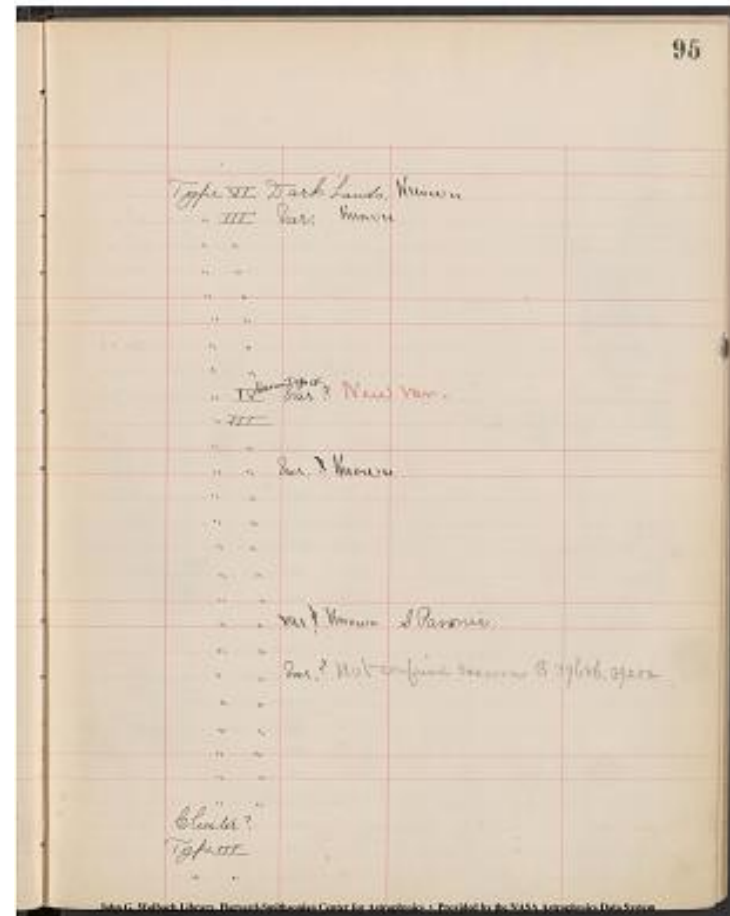
^[[[symbol - w over V]]]

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn
March 15	15641	39382 cont.			Class R	CPD -			
	15642				approx.	Meas. 1875			
	15643	39683			Ma	CDM -47°14701	23		
	15644				Mb	CDM -46°14721	23	31.1	-46
	15645				Mc	CDM -45°15067	23	27.1	-45
	15646				Ma5b	LDM-43°15584	23	59.1	-43 35.0
	15647				Ma	CDM -46°743	2	14.7	-45 44.0
	15649				Na	DM +7°929	5	25.4	+7 2.1
	15650				Mb5C	DM +8°1005	5	27.4	+8 36.1
	15651				Ma	DM +11°898	5	31.4	+11 25.7
	15652				Mc5d	CPD-63°4530	19	24.0	-63 1.5
	15653				Ma	CPD-62°6103	19	35.8	-62 45.0
	15654				Mb	CPD-63°4549	19	44.3	-63 20.2
	15655				Ma	CPD-62°6147	20	3.5	-62 39.1
	15656				Mb	CPD-61°6429	19	44.2	-61 16.8
	15657				Ma	CPD-60°7338	19	41.2	-60 57.0
	15658				Mc5d	CPD-59°7544	19	44.7	-59 30.9
	15658a				Mb	CPD-59°7564	19	51.2	-59 42.8
	15659				Ma	CPD-59°7611	20	13.5	-59 44.0
	15660				Mb per.	CPD-58°7699	19	52.6	-58 48.1
	15661				Mb	CPD-56°9260	19	33.0	-56 32.9
	15662				Mb	CPD-54°9391	19	22.0	-54 25.3
	15663				Mb	CPD-53°9602	19	26.1	-53 16.6
	15664				Mb	CPD-53°9799	19	58.6	-53 54.5

|March 15|15665|39687| | |^ΛMa|CDM-
~~25~~~~26~~¹⁵⁷⁵⁶|21 34.9|-
~~25~~~~26~~ 25.0|7.4 ^Λ|
March 15	15666	39687			^ΛCont.	CDM-23¹⁷⁰⁴⁷	21 33.3	-23^{44.3}	neb. ^Λ
March 15	15667	39687			^ΛMb	DM-21°6120	21 47.5	-21 49.2	7.2^Λ
March 15	15668	39687			^ΛMb	DM-21°6131	21 50.6	-21 52.5	6.2^Λ

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Type VI Dark bands known
 Type III Var. Known
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III
 Type IV Known Type IV Var ~~?~~ New var.
 Type III
 Type III
 Type III Var. ~~?~~ Known
 Type III
 Type III
 Type III
 Type III
 Type III
 Type III var ~~?~~ Known S. Pavonis
 Type III
 Type III var? not confirmed see on B39686, 39282
 Type III
 Type III
 Type III
 Type III
 Type III
 Cluster?
 Type III
 Type III



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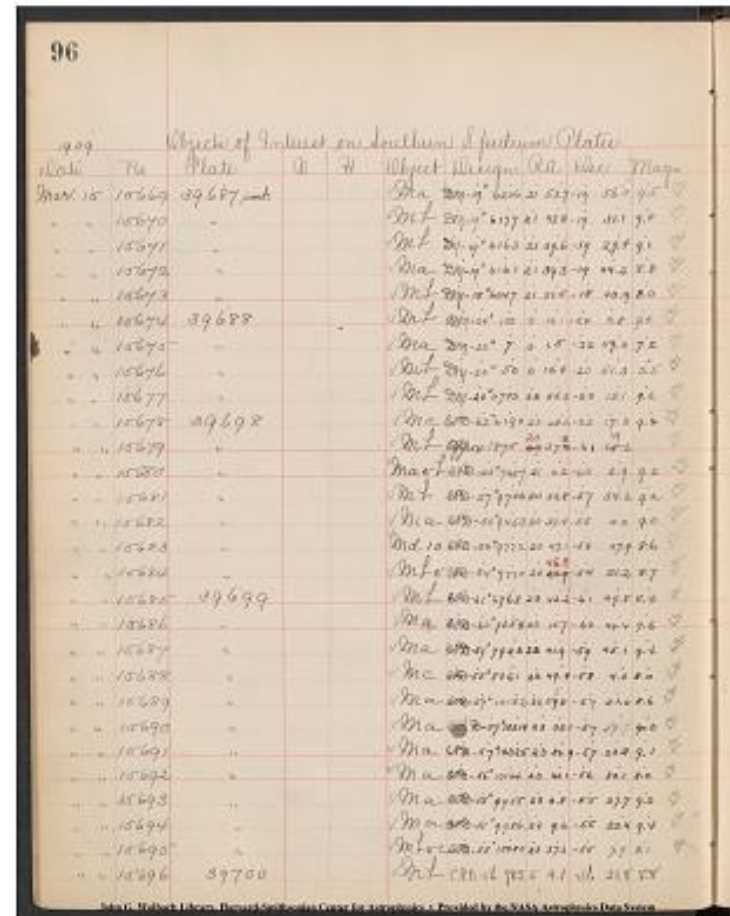
Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

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[Date][no][Plate][a][H][Object][Design][Ra][dec][magn.

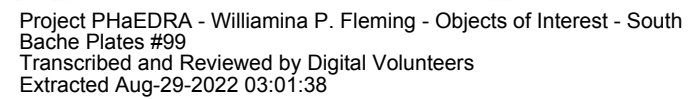
Date	no	Plate	a	H	Object	Design	Ra	dec	magn.	
Mar. 15	15669	39687	cont.			Ma	DM	-19° 6206	21 53.7 -19 56.0 9.5	
^[[w]]										
Mar. 15	15670	39687	cont.			Mb	DM	-19° 6177	21 43.8 -19 31.1 9.0	
^[[w]]										
Mar. 15	15671	39687	cont.			Mb	DM	-19° 6163	21 39.6 -19 29.4 9.1	
^[[w]]										
Mar. 15	15672	39687	cont.			Ma	DM	-19° 6161	21 39.3 -19 44.2 8.8	
^[[w]]										
Mar. 15	15673	39687	cont.			Mb	DM	-18° 6047	21 51.5 -18 40.9 8.0	
^[[w]]										
Mar. 15	15674	39688				Mb	DM	-24° 100	0 14.1 -24 4.8 9.4 ^[[w]]	
Mar. 15	15675	39688				Ma	DM	-22° 7	0 1.5 -22 59.0 7.2 ^[[w]]	
Mar. 15	15676	39688				Mb	DM	-20° 50	0 14.4 -20 51.3 5.5 ^[[w]]	
Mar. 15	15677	39688				Mb	DM	-20° 6700	23 55.2 -20 15.1 9.2 ^[[w]]	
Mar. 15	15678	39688				Mc	CPD	-62° 6190	20 48.6 -62 17.3 9.4	
^[[w]]										
Mar. 15	15679	39698				Mb	Approx	1875		
[[strikethrough]] 27 [[/strikethrough]]										
[[strikethrough]] 5 [[/strikethrough]]										
[[strikethrough]] 18.6 [[/strikethrough]]										
Mar. 15	15680	39698				Ma	5b	CPD	-60° 7457	21 6.2 -60 2.9 9.2
^[[w]]										
Mar. 15	15681	39698				Mb	CPD	-57° 9706	20 22.8 -57 54.2 9.2	
^[[w]]										
Mar. 15	15682	39698				Ma	CPD	-55° 9453	20 32.4 -55 0.0 9.0 ^[[w]]	
Mar. 15	15683	39698				Md	10	CPD	-54° 9772	20 47.1 -54 47.9 8.6
^[[w]]										
Mar. 15	15684	39698				Mb	5	CPD	-54° 9770	20
[[strikethrough]] 24.9 [[/strikethrough]]										
Mar. 15	15685	39699				Mb	CPD	-61° 6768	23 43.2 -61 49.8 8.4	
^[[w]]										
Mar. 15	15686	39699				Ma	CPD	-60° 7654	23 15.7 -60 44.4 7.6	
^[[w]]										
Mar. 15	15687	39699				Ma	CPD	-59° 7923	23 41.9 -59 45.1 9.4	
^[[w]]										
Mar. 15	15688	39699				Mc	CPD	-58° 8021	22 49.4 -58 4.0 8.0 ^[[w]]	
Mar. 15	15689	39699				Ma	CPD	-57° 10182	22	
5 [[strikethrough]] 9 [[/strikethrough]]										
Mar. 15	15690	39699				Ma	CPD	-57° 10314	23 33.1 -57 59.7 9.0	
^[[w]]										
Mar. 15	15691	39699				Ma	CPD	-57° 10325	23 34.9 -57 23.8 9.1	
^[[w]]										
Mar. 15	15692	39699				Ma	CPD	-56° 10144	23 40.1 -56 30.1 8.0	
^[[w]]										
Mar. 15	15693	39699				Ma	CPD	-55° 9955	23 0.8 -55 37.7 9.2 ^[[w]]	
Mar. 15	15694	39699				Ma	CPD	-55° 9986	23 9.6 -55 23.4 9.4 ^[[w]]	
Mar. 15	15695	39699				Mb	5c	CPD	-55° 10080	23 37.6 -55 7.7 8.1
^[[w]]										
Mar. 15	15696	39700				Mb	CPD	-56° 782	5 4.1 -56 23.8 8.4	



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Type III
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Type III

Type III
Type III
Type III
Type III
Type III

[illegible]

Objects of Interest on Southern Spectrum Plates

[[10 column table]]

1909

Date | No | Plate | V | H | Object | Design | Ra | Dec | Magn.

Mar. 15 | 15697 | 39700 cont. | | | Br. Lines | CDM-48 1671 | 5 7.6 | -48 39.6 | 10

Mar. 15 | 15698 | 39701 | | | Ma | DM -15° 6330 | 22 54.5 | -15 44.9 | 8.0 WV

Mar. 15 | 15699 | 39701 | | | Ma | DM -14° 6407 | 22 58.9 | -14 32.5 | 8.6 WV

Mar. 15 | 15700 | 39701 | | | Mboc | DM -10° 6016 | 22 47.3 | -10 8.8 | 8.7 WV

Mar. 15 | 15701 | 39702 | | | Ma | DM -14° 244 | 1 9.3 | -14 18.9 | 8.4 WV

Mar. 15 | 15702 | 39702 | | | Mb | DM -14° 225 | 1 4.1 | -14 16.2 | 6.8 WV

Mar. 15 | 15703 | 39702 | | | Mb | DM -12° 183 | 0 53.3 | -12 58.5 | 8.1 WV

Mar. 15 | 15704 | 39703 | | | Ma | DM -12° 614 | 3 5.6 | -12 10.1 | 8.7 WV

Mar. 15 | 15705 | 39704 | | | Mboc | DM. -12 1092 | 5 4.6 | -12 1.8 | 6.5

Mar. 15 | 15706 | 39704 | | | Ma bec | DM. -8 1099 | 5 15.4 | -8 48.1 | 7.0

Mar. 15 | 15707 | 39705 | | | Mc5d | DM -17° 6181 | 20 59.2 | -17 0.2 | 8.2 WV

Mar. 15 | 15708 | 39705 | | | Ma | DM -15° 5935 | 21 7.7 | -15 46.0 | 5.0 WV

Mar. 15 | 15709 | 39705 | | | Mb | DM -10° 5578 | 20 54.7 | -10 33.9 | 6.8 WV

Mar. 15 | 15710 | 39705 | | | Mb | DM -9° 5700 | 21 8.5 | -9 48.8 | 7.0 WV

Mar. 15 | 15711 | 39706 | | | Mb | DM -13° 6408 | 23 20.6 | -13 0.8 | 7.7 WV

98

Objects of Interest on Southern Spectrum Plates

Date	No	Plate	V	H	Object Design	Ra	Dec	Magn
Mar. 15	15697	39700 cont.			Br. Lines	CDM-48 1671	5 7.6	-48 39.6
"	15698	39701			Ma	DM -15° 6330	22 54.5	-15 44.9
"	15699	"			Ma	DM -14° 6407	22 58.9	-14 32.5
"	15700	"			Mboc	DM -10° 6016	22 47.3	-10 8.8
"	15701	39702			Ma	DM -14° 244	1 9.3	-14 18.9
"	15702	"			Mb	DM -14° 225	1 4.1	-14 16.2
"	15703	"			Mb	DM -12° 183	0 53.3	-12 58.5
"	15704	39703			Ma	DM -12° 614	3 5.6	-12 10.1
"	15705	39704			Mboc	DM. -12 1092	5 4.6	-12 1.8
"	15706	"			Ma bec	DM. -8 1099	5 15.4	-8 48.1
"	15707	39705			Mc5d	DM -17° 6181	20 59.2	-17 0.2
"	15708	"			Ma	DM -15° 5935	21 7.7	-15 46.0
"	15709	"			Mb	DM -10° 5578	20 54.7	-10 33.9
"	15710	"			Mb	DM -9° 5700	21 8.5	-9 48.8
"	15711	39706			Mb	DM -13° 6408	23 20.6	-13 0.8

Source: Harvard Library, Harvard-Smithsonian Center for Astrophysics. Provided by the NASA Astrophysics Data System

Mar.15 | 15712 | 39706 | | | Mb | DM -11° 6071 | 23 18.3 | -11 57.3 |
8.3 WV

Mar.15 | 15713 | 39706 | | | Mc | DM -8° 6152 | 23 30.5 | -8 44.8 | 8.9
WV

Mar.15 | 15714 | 39707 | | | Ma | DM -16° 322 | 1 44.8 | -16 21.9 | 6.9
WV

Mar.15 | 15715 | 39707 | | | Mb | DM -14° 371 | 1 52.5 | -14 34.3 | 7.0
WV

Mar.15 | 15716 | 39707 | | | Ma | DM -13° 334 | 1 43.2 | -13 36.8 | 7.0
WV

Mar.15 | 15717 | 39707 | | | Mboc | DM -9° 380 | 1 53.3 | -9 13.7 | 5.8
WV

Mar.15 | 15718 | 39707 | | | Ma ? | DM -8° 346 | 1 50.0 | -8 31.6 | 7.5
WV

Mar.15 | 15719 | 39708 | | | Mb | DM -10° 834 | 3 59.0 | -10 41.9 | 6.8
WV

Mar.15 | 15720 | 39709 | | | Mb | DM -12° 1092 | 5 4.6 | -12 1.8 | 6.5
WV

Mar.15 | 15721 | 39709 | | | Ma | DM -8° 1099 | 5 15.4 | -8 48.1 | 7.0
WV

Mar.15 | 15722 | 39659 | | | Mb | CDM -50° 12013 | 18 24.7 | -50 33.1
| 9.4 WV

Mar.15 | 15723 | 39659 | | | Mb | CDM -48° 12920 | 18 59.0 | -48 52.3
| 9.2 WV

Mar.15 | 15724 | 39659 | | | Mcod | CDM -48° 12910 | 18 -58.2 | -48
45.6 | 9.2 WV

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Md? Known var. S Pictoris

Type III

Type III

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Type III

Type III Comb. ?

Type III var ~~?~~ RS Capricorni

Type III

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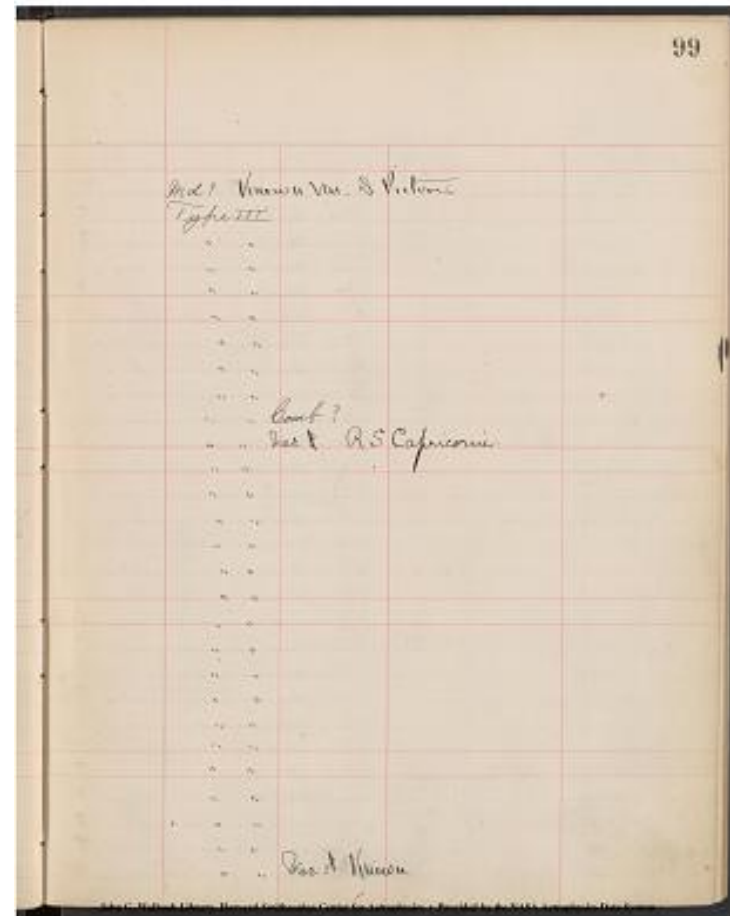
Type III

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Type III Var ~~?~~ Known

Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
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[[100]]

1909 | Objects of Interest on Southern Spectrum Plates
Date | No| Plate| V| H| Object| Design| Ra |Dec |Magn
Mar. 16|15725|39659cont.| | [[checkmark]]Ma|CDM -48° 12905|18
57.8|-48 35.5|9.6 [[W over checkmark]]

Mar. 16|15726|39659cont.| | [[checkmark]]Ma|CDM -48° 12784|18
45.4|-48 38.5|9.3 [[W over checkmark]]

Mar. 16|15727|39659cont.| | [[checkmark]]Ma|CDM -47° 12528|18
38.4|-47 54.9|7.7 [[W over checkmark]]

Mar. 16|15728|39659cont.| | [[checkmark]]Md?|CDM -47° 12488|18
34.6|-47 22.1|9.5 [[W over checkmark]]

Mar. 16|15729|39659cont.| | [[checkmark]]Ma|CDM -47° 12598|18
43.9|-47 0.4 |9.8 [[W over checkmark]]

Mar. 16|15730|39659cont.| | [[checkmark]]Ma|CDM -46° 12720|18
48.5|-46 53.5|8.4 [[W over checkmark]]

Mar. 16|15731|39659cont.| | [[checkmark]]Ma|CDM -47° 12772|19 1.4|-
47 15.2|9.3 [[W over checkmark]]

Mar. 16|15732|39659cont.| | [[checkmark]]Ma|CDM -47° 12780|19 2.4|-
47 5.1|8.3 [[W over checkmark]]

Mar. 16|15733|39659cont.| | [[checkmark]]Mboc|CDM -45° 12699|18
34.1|-45 53.8|9.1 [[W over checkmark]]

Mar. 16|15734|39659cont.| | [[checkmark]]Mb|CDM -46° 12809|18
57.8|-46 9.2|8.2 [[W over checkmark]]

Mar. 16|15735|39660 | | [[checkmark]]Ma|CDM -50° 13093|20 33.0|-
50 42.2|7.7 [[W over checkmark]]

Mar. 16|15736|39660 | | [[checkmark]]Mb|CDM -47° 13708|21 0.7|-
47 16.2|8.0 [[W over checkmark]]

Mar. 16|15736a|39660 | | [[checkmark]]Mb|CDM -44° 14205|20 48.6|-
44 8.1|8.7 [[W over checkmark]]

Mar. 16|15737|39660 | | [[checkmark]]M ~~[[strikethrough]]~~ b
~~[[strikethrough]]~~ a|CDM -48° 13628|20 29.2|-48 0.3|9.4 [[W over
checkmark]]

Mar. 16|15737a|39660 | | [[checkmark]]Mb|CDM -43° 14297|20 51.4|-
43 59.2|9.1 [[W over checkmark]]

Mar. 16|15738|39661 | | [[checkmark]]Ma|CDM -54° 8929|18 23.7|-
54 55.1|9.4 [[W over checkmark]]

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn
Mar. 16	15725	39659cont.			Ma	CDM-48° 12905	18	57.8	35.5
"	15726	"			Ma	CDM-48° 12784	18	45.4	38.5
"	15727	"			Ma	CDM-47° 12528	18	38.4	54.9
"	15728	"			Md?	CDM-47° 12488	18	34.6	22.1
"	15729	"			Ma	CDM-47° 12598	18	43.9	0.4
"	15730	"			Ma	CDM-46° 12720	18	48.5	53.5
"	15731	"			Ma	CDM-47° 12772	19	1.4	15.2
"	15732	"			Ma	CDM-47° 12780	19	2.4	5.1
"	15733	"			Mboc	CDM-45° 12699	18	34.1	53.8
"	15734	"			Mb	CDM-46° 12809	18	57.8	9.2
"	15735	"			Ma	CDM-50° 13093	20	33.0	42.2
"	15736	"			Mb	CDM-47° 13708	21	0.7	16.2
"	15736a	"			Mb	CDM-44° 14205	20	48.6	8.1
"	15737	"			M	CDM-48° 13628	20	29.2	-48 0.3
"	15737a	"			Mb	CDM-43° 14297	20	51.4	43 59.2
"	15738	"			Ma	CDM-54° 8929	18	23.7	54 55.1

Mar. 16|15739|39661 | | [[checkmark]]Ma|CDM -54° 9215|18 52.3|-
54 14.9|9.4 [[W over checkmark]]

Mar. 16|15740|39661 | | [[checkmark]]Ma|CDM -52° 11173|18 27.1|-
52 52.4|9.6 [[W over checkmark]]

Mar. 16|15741|39661 | | [[checkmark]]Ma|CDM -52° 11207|18 32.3|-
52 16.1|10.0 [[? -6 be]]

Mar. 16|15742|39661 | | [[checkmark]]Mb|CDM -52° 11218|18 33.7|-
52 10.0|10.0 [[W over checkmark]]

Mar. 16|15743|39661 | | |Class R |CDM -51° 11725|18 33.2|-51
52.2|9.3 [[W over checkmark]]

Mar. 16|15744|39661 | | [[checkmark]]Ma|CDM -51° 11940|18 59.6|-
51 17.8|9.7 [[W over checkmark]]

Mar. 16|15745|39661 | | [[checkmark]]Mb|CDM -50° 12361|19 1.2|-
50 32.2|8.4 [[W over checkmark]]

Mar. 16|15746|39661 | | [[checkmark]]Mb|CDM -48° 12913|18 58.3|-
48 42.0|9.4 [[W over checkmark]]

Mar. 16|15747|39662 | | [[checkmark]]Mb|CPD -57° 9861|21 19.5|-57
41.2|9.3 [[W over checkmark]]

Mar. 16|15748|39662 | | [[checkmark]]Mb|CPD -57° 9873|21 21.9|-57
25.8|8.5 [[W over checkmark]]

Mar. 16|15749|39662 | | [[checkmark]]Class R|CPD -54° 9810|21
1.3|-54 12.6|10.0[[W over checkmark]]

Mar. 16|15750|39662 | | [[checkmark]] Ma5b|CPD -54° 9770|20
46.9|-54 21.2|8.7[[W over checkmark]]

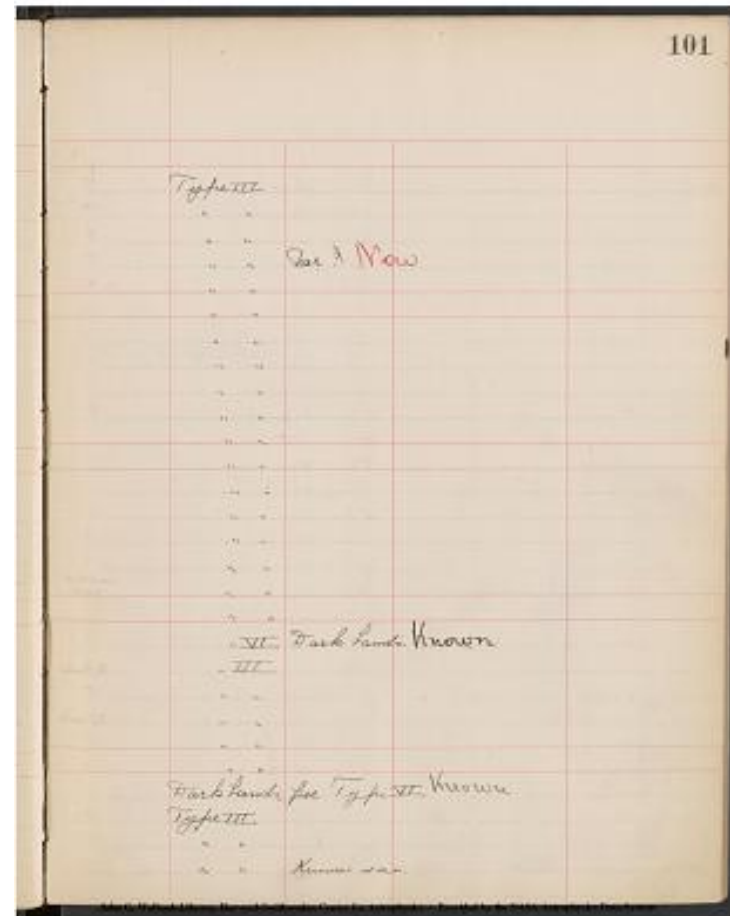
Mar. 16|15751|39662| | [[checkmark]] Ma|CPD -53° 9972|20 49.2|-53
29.7|9.4[[W over checkmark]]

Mar. 16|15752|39662| | | [[checkmark]]Ma|Meas[[approx]]1875 |21 5.7|-
53 32| [[W over checkmark]]

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[[2 column table]]

Type	
Type III	
Type III	
Type III	
Type III	Var ? New
Type III	
Type III	
Type III	
Type III	
Type III	
Type III	
Type III	
Type III	
Type III	
Type III	
Type III	
Type III	
Type IV	Dark bands. Known
Type III	
Type III	
Type III	
Type III	
Type III	
Dark bands,	Sec Type VI Know
Type III	
Type III	
Type III	Known var.



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Objects of Interest on Southern Spectrum Plates

1909

Date|No|Plate|V|H|Object|Design|Ra|Dec|Magn

Mar. 16|15753|39662|||Mb5c|CPD -52° 1180|21 19.9|-52 48.2|9.1 ?
[[W over Checkmark]]Mar. 16|15754|39662|||Ma|CDM -49° 13515|21 25.2|-49 31.8|8.5 [[W
over Checkmark]]Mar. 16|15755|39662|||Ma|CDM -49° 13408|21 8.8|-49 13.5|8.5 [[W
over Checkmark]]Mar. 16|15756|39663|||Mc|CPD -58° 8021|22 49.4|-58 4.0|8.0 [[W
over Checkmark]]Mar. 16|1575~~5~~|~~39663~~|~~9~~|~~39663~~|||Ma|CPD -
57° 10182|22 5~~5~~|~~5.8~~|~~57~~ 31.0|8.6 [[W
over Checkmark]] ->Mar. 16|15758|39663|||Ma|CPD -57° 10305|23 31.3|-57 8.6|8.0 [[W
over Checkmark]]Mar. 16|1575~~5~~|~~39663~~|~~9~~|~~39663~~|||Ma|CPD -
58° 8040|22 59.5|-58 0.2|8.6 [[W over Checkmark]] ->Mar. 16|15760|39663|||Ma|CPD -55° ~~10078~~ |2~~22.9~~|8.2|~~10080~~|23 37.6|-55 7.7|8.1 [[W over
Checkmark]]Mar. 16|15761|39663|||Mb|CPD -55° 9925|22 51.9|-55 1.3|9.4 [[W
over Checkmark]]Mar. 16|15762|39663|||Ma|CPD -55° 9907|22 42.3|-55 53.7|7.8 [[W
over Checkmark]]Mar. 16|15763|39663|||Ma|CPD -55° 10029|23 22.0|-55 9.6|9.4 [[W
over Checkmark]]Mar. 16|15764|39663|||Ma|CPD -53° 10360|22 46.3|-53 29.1|10.2
[[W over Checkmark]]Mar. 16|15765|39663|||Mb|CPD -52° 12133|23 9.8|-52 32.7|8.8 [[W
over Checkmark]]Mar. 16|15766|39663|||Ma|CDM -50° 13866|23 56.5|-50 37.8|9.8 [[W
over Checkmark]]Mar. 16|15767|39664|||Mb|CDM -50° 270|0 54.3|-50 25.5|7.5 [[W
over Checkmark]]Mar. 16|15768|39664|||Mb|CDM -48° 259|0 58.8|-48 36.8|6.8 [[W
over Checkmark]]Mar. 16|15769|39665|||Class R|CDM -51° 11725|18 33.2|-51
52.2|9.3 [[W over Checkmark]]Mar. 16|15770|39665|||Ma|CDM -50° 11880|18 13.1|-50 56.1|8.4 [[W
over Checkmark]]Mar. 16|15771|39665|||Ma|CDM -50° 11826|18 7.9|-50 45.7|8.1 [[W
over Checkmark]]Mar. 16|15772|39665|||Mb|CDM -50° 12013|18 24.7|-50 33.1|9.4 [[W
over Checkmark]]Mar. 16|15773|39665|||Ma|CDM -47° 12257|18 15.1|-47 34.6|8.2 [[W
over Checkmark]]Mar. 16|15774|39665|||Ma|CDM -46° 12720|18 48.5|-46 53.5|8.4 [[W
over Checkmark]]

Mar. 16|15775|39665|||Mb5c|CDM -45° 12699|18 34.1|-45

53.8|9.1 [[W over Checkmark]] [[Group shows stars adjacent]]

Mar. 16|15776|39665|||Ma|CDM -44° 12514|18 11.4|-44 7.3|7.2 [[W
over Checkmark]]Mar. 16|15777|39665|||Ma|CDM -43° 12699|18 30.6|-43 17.2|5.8 [[W
over Checkmark]]

Mar. 16|15778|39666|||Ma|CPD -53° 9928|20 33.1|-53 6.5|9.6 [[W

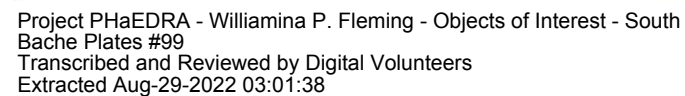
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Objects of Interest on Southern Spectrum Plates

Date	No	Plate	V	H	Object	Design	Ra	Dec	Magn
Mar. 16	15753	39662			Mb5c	CPD -52° 1180	21 19.9	-52 48.2	9.1 ?
	15754				Ma	CDM -49° 13515	21 25.2	-49 31.8	8.5
	15755				Ma	CDM -49° 13408	21 8.8	-49 13.5	8.5
	15756				Mc	CPD -58° 8021	22 49.4	-58 4.0	8.0
	1575 5				Ma	CPD -57° 10182	22 5	-57 31.0	8.6
	15758				Ma	CPD -57° 10305	23 31.3	-57 8.6	8.0
	1575 5				Ma	CPD -58° 8040	22 59.5	-58 0.2	8.6
	15760				Ma	CPD -55° 10078	2		
	15761				Mb	CPD -55° 9925	22 51.9	-55 1.3	9.4
	15762				Ma	CPD -55° 9907	22 42.3	-55 53.7	7.8
	15763				Ma	CPD -55° 10029	23 22.0	-55 9.6	9.4
	15764				Ma	CPD -53° 10360	22 46.3	-53 29.1	10.2
	15765				Mb	CPD -52° 12133	23 9.8	-52 32.7	8.8
	15766				Ma	CDM -50° 13866	23 56.5	-50 37.8	9.8
	15767				Mb	CDM -50° 270	0 54.3	-50 25.5	7.5
	15768				Mb	CDM -48° 259	0 58.8	-48 36.8	6.8
	15769				Class R	CDM -51° 11725	18 33.2	-51 52.2	9.3
	15770				Ma	CDM -50° 11880	18 13.1	-50 56.1	8.4
	15771				Ma	CDM -50° 11826	18 7.9	-50 45.7	8.1
	15772				Mb	CDM -50° 12013	18 24.7	-50 33.1	9.4
	15773				Ma	CDM -47° 12257	18 15.1	-47 34.6	8.2
	15774				Ma	CDM -46° 12720	18 48.5	-46 53.5	8.4
	15775				Mb5c	CDM -45° 12699	18 34.1	-45 53.8	9.1
	15776				Ma	CDM -44° 12514	18 11.4	-44 7.3	7.2
	15777				Ma	CDM -43° 12699	18 30.6	-43 17.2	5.8
	15778				Ma	CPD -53° 9928	20 33.1	-53 6.5	9.6

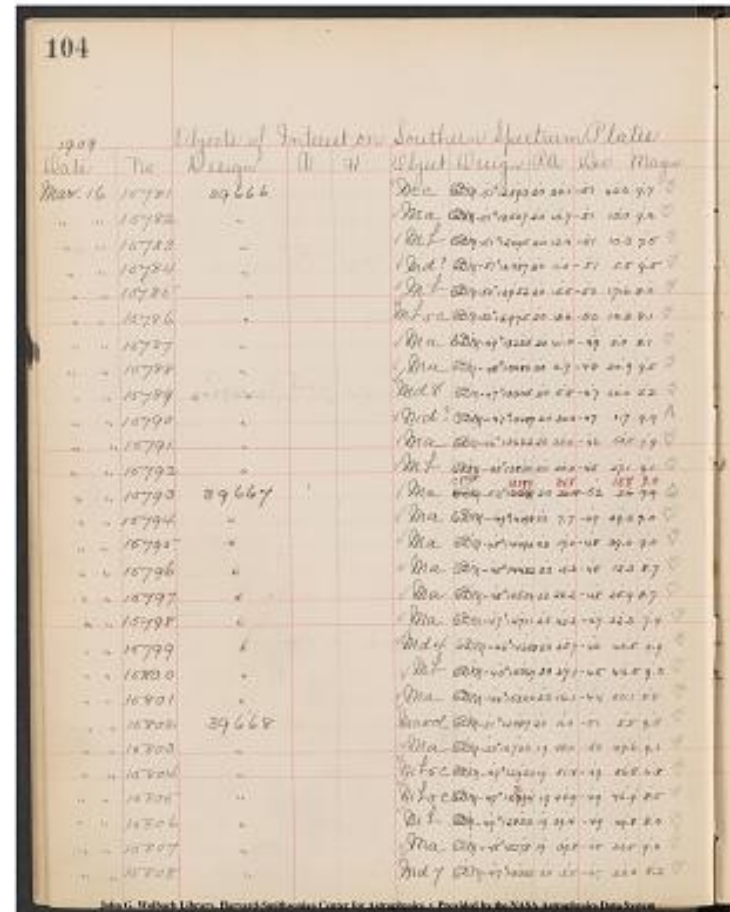
over Checkmark]]
Mar. 16|15779| 39666 | | |Ma|CPD -52° 11717|20 26.1|-52 55.2|9.0|[W
over Checkmark]]
Mar. 16|15780| 39666 | | |Mb|CPD -52° 11738|20 31.8|-52
19.1|9.0|[carat]]

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Objects of Interest on Southern Spectrum Plates

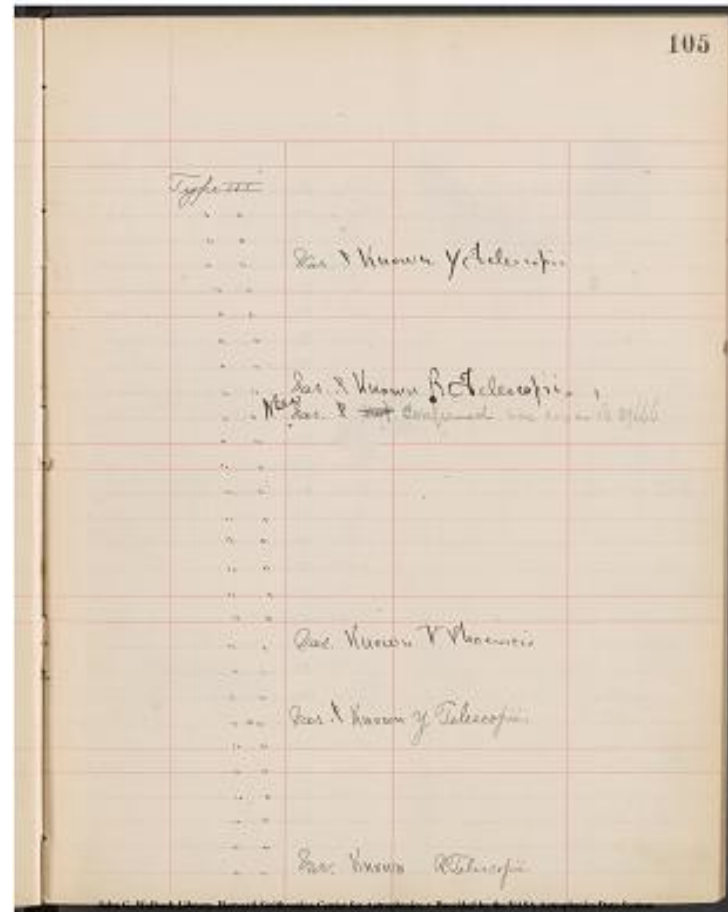
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Mar. 16	15781	39666			Mc	CDM -51° 12593	20 24.1	-51 42.2	9.7	
Mar. 16	15782	39666			Ma	CDM -51° 12507	20 13.7	-51 15.3	9.2	
Mar. 16	15783	39666			Mb	CDM -51° 12495	20 12.4	-51 10.3	7.5	
Mar. 16	15784	39666			Md?	CDM -51° 12487	20 11.0	-51 5.5	9.5	
Mar. 16	15785	39666			Mb	CDM -50° 12952	20 15.5	-50 17.6	8.0	
Mar. 16	15786	39666			Mb5c	CDM -50° 12975	20 18.6	-50 10.3	8.1	
Mar. 16	15787	39666			Ma	CDM -49° 13235	20 41.5	-49 2.0	8.1	
Mar. 16	15788	39666			Ma	CDM -48° 13480	20 6.7	-48 30.9	9.5	
Mar. 16	15789	39666			Md8	CDM -47° 13305	20 5.8	-47 20.0	8.2	
Mar. 16	15790	39666			Md?	CDM -47° 13487	20 30.4	-47 1.7	9.9	
Mar. 16	15791	39666			Ma	CDM -46° 13662	20 33.4	-46 50.5	7.9	
Mar. 16	15792	39666			Mb	CDM -45° 13830	20 20.2	-45 27.1	9.1	
Mar. 16	15793	39667			Ma	CDM -52° 12208	23 36.8	-52 2.6	7.9	
Mar. 16	15794	39667			Ma	CDM -49° 14098	23 7.7	-49 29.2	9.0	
Mar. 16	15795	39667			Ma	CDM -48° 14490	23 17.0	-48 39.0	9.0	
Mar. 16	15796	39667			Ma	CDM -48° 14482	23 15.6	-48 12.3	8.7	
Mar. 16	15797	39667			Ma	CDM -48° 14534	23 26.2	-48 25.9	8.7	
Mar. 16	15798	39667			Ma	CDM -47° 14701	23 42.3	-47 32.3	7.4	
Mar. 16	15799	39667			Md4	CDM -46° 14688	23 25.7	-46 40.5	9.9	
Mar. 16	15800	39667			Mb	CDM -45° 15067	23 27.1	-45 44.5	9.3	
Mar. 16	15801	39667			Ma	CDM -44° 15220	23 16.1	-44 50.1	8.8	
Mar. 16	15802	39668			Mc5d	CDM -51° 12487	20 11.0	-51 5.5	9.5	
Mar. 16	15803	39668			Ma	CDM -50° 12740	19 48.0	-50 47.6	9.1	
Mar. 16	15804	39668			Mb5c	CDM -49° 12950	19 51.4	-49 56.8	6.8	
Mar. 16	15805	39668			Mb5c	CDM -49° 12			9	
Mar. 16	15806	39668			Mb	CDM -49° 12853	19 39.4	-49 49.8	8.0	
Mar. 16	15807	39668			Ma	CDM -48° 13278	19 39.8	-48 22.5	9.0	



Mar. 16 | 15808 | 39668 | | | Md7 | CDM -47° 13305 | 20 5.8 | -47 20.0 |
8.2

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Type III
 Type III
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 Type III Var. ~~?~~ Y Telescopii
 Type III
 Type III
 Type III
 Type III
 Type III Var. ~~?~~ R Telescopii
 Type III New Var. ~~?~~ not confirmed see
 cover 39666
 Type III
 Type III
 Type III
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 Type III Var. Known V Pheonics
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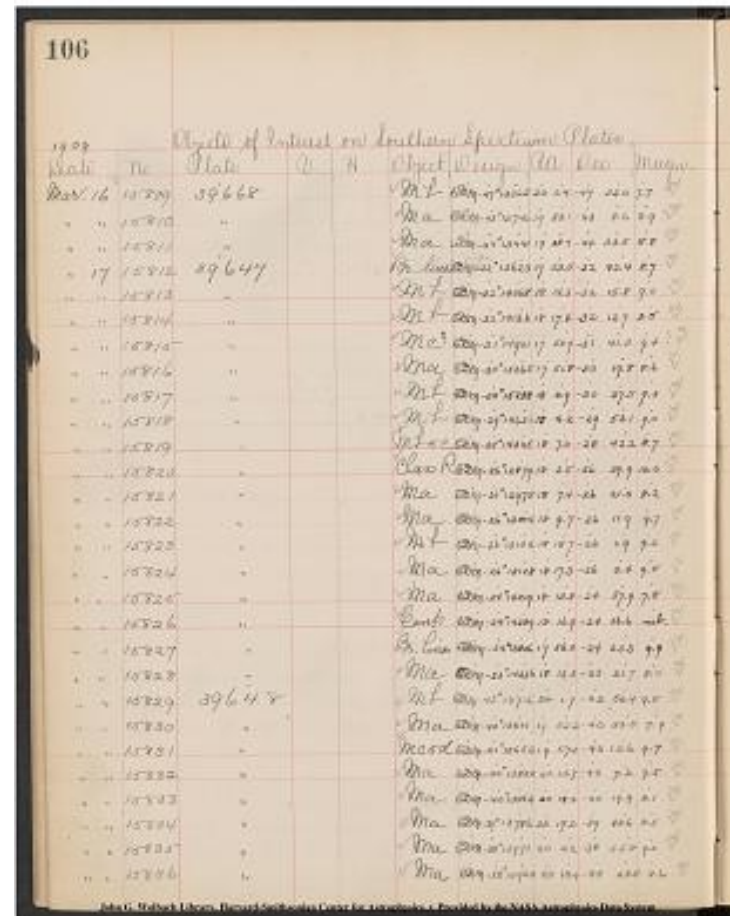
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Objects of Interest on Southern Spectrum Plates

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[[10 Column Table]]

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn.
Mar. 16	15809	39668			Mb	CDM-47°13265	20 0.4	-47 32.0	7.7
Mar. 16	15810	39668			Ma	CDM-43°13746	19 53.1	-43 8.6	8.9
Mar. 16	15811	39668			Ma	CDM-44°13441	19 28.4	-44 33.5	8.8
Mar. 17	15812	39647			Br. lines	LDM-32°13623	17 53.5	-32 42.4	8.7
Mar. 17	15813	39647			Mb	CDM-32°14068	18 14.3	-32 15.8	9.0
Mar. 17	15814	39647			Mb	CDM-32°14126	18 17.4	-32 12.7	8.5
Mar. 17	15815	39647			Mc?	CDM-31°14901	17 50.9	-31 41.3	9.4
Mar. 17	15816	39647			Ma	CDM-30°15065	17 51.8	-30 19.8	8.6
Mar. 17	15817	39647			Mb	CDM-30°15288	18 0.9	-30 37.5	9.3
Mar. 17	15818	39647			Mb	CDM-29°14636	18 4.2	-29 53.1	9.0
Mar. 17	15819	39647			Mb5c	CDM-28°14345	18 7.0	-28 42.2	8.7
Mar. 17	15820	39647			Class R	LDM-26°12879	18 2.5	-26 39.9	10.0
Mar. 17	15821	39647			Ma	CDM-26°12975	18 7.4	-26 21.0	8.2
Mar. 17	15822	39647			Ma	CDM-26°13004	18 9.7	-26 11.9	9.7
Mar. 17	15823	39647			Mb	CDM-26°13102	18 15.7	-26 1.9	9.2
Mar. 17	15824	39647			Ma	CDM-26°13128	18 17.3	-26 0.4	9.5
Mar. 17	15825	39647			Ma	CDM-24°14219	18 13.8	-24 57.9	7.5
Mar. 17	15826	39647			Comp.	CDM-24°14289	18 16.9	-24 56.6	neb.
Mar. 17	15827	39647			Br. lines	LDM-24°13806	17 56.0	-24 23.3	9.9
Mar. 17	15828	39647			Ma	CDM-23°14236	18 12.3	-23 21.7	8.0
Mar. 17	15829	39648			Mb	CDM-42°14716	20 1.7	-42 50.4	9.5
Mar. 17	15830	39648			Ma	CDM-40°13601	19 52.2	-40 32.5	7.9
Mar. 17	15831	39648			McC5d	CDM-40°13652	19 57.1	-40 15.6	9.7
Mar. 17	15832	39648			Ma	CDM-40°13820	20 13.7	-40 7.2	9.5
Mar. 17	15833	39648			Ma	CDM-40°13862	20 18.4	-40 19.9	8.1
Mar. 17	15834	39648			Ma	CDM-39°13786	20 17.2	-39 43.6	8.5



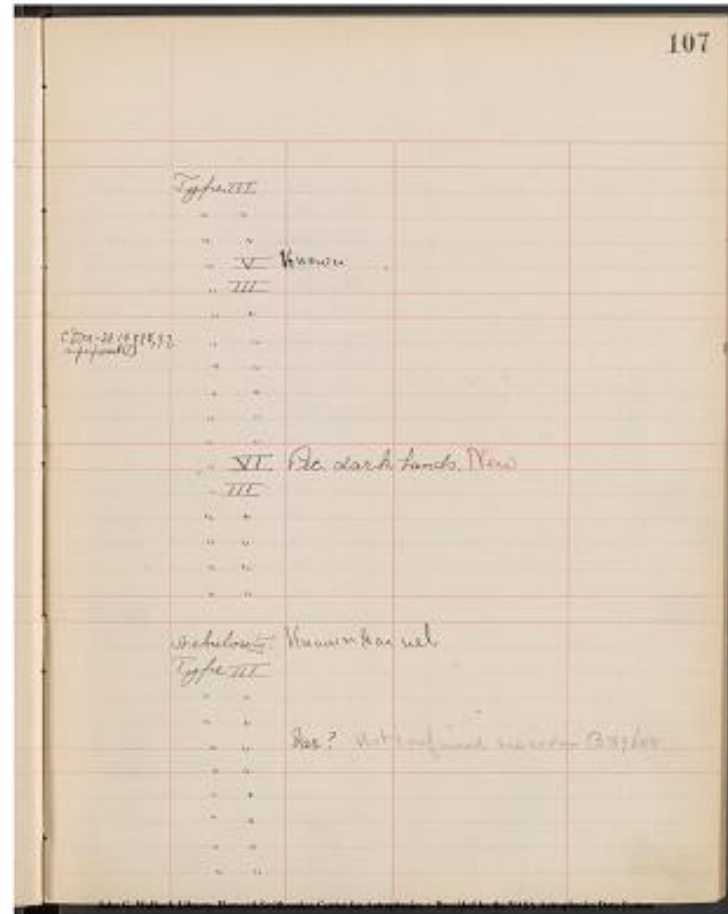
| Mar. 17 | 15835 | 39648 | | | Ma | CDM-38°13970 | 20 11.2 | -38 35.8
| 9.0 |
| Mar. 17 | 15836 | 39648 | | | Ma | CDM-38°13964 | 20 10.4 | -38 28.8
| 8.6 |

Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
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Type III
 Type III
 Type III
 Type V Known
 Type III
 Type III
 C.D.M. -31 14898,9.7, superposed(?) Type III
 Type III
 Type III
 Type III
 Type III
 Type VI Pec. dark Lands. New
 Type III
 Type III
 Type III
 Type III
 Type III

Nebulosely Known
 Type III
 Type III
 Type III
 Type III Var? not confirmed see corer B39648
 Type III
 Type III
 Type III
 Type III
 Type III



Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

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[Date][No][Plate][A][H][Object][Design][RA][Dec][Magn]

Date	No	Plate	A	H	Object	Design	RA	Dec	Magn
Mar. 17	15837	39648			MA CDM -36° 13812 19 51.5 -36 21.9 9.3				

^[[w]]

Mar. 17	15838	39648			ML CDM -36° 13930 20 2.0 -36 15.3 9.4				
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^[[w]]

Mar. 17	15839	39648			ML CDM -36° 13959 20 4.3 -36 9.0 7.9				
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^[[w]]

Mar. 17	15840	39648			ML CDM -35° 14137 20 20.4 -35 44.5 9.4				
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^[[w]]

Mar. 17	15841	39649			MA CDM -37° 14867 22 31.3 -37 32.4 8.8				
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^[[w]]

Mar. 17	15842	39649			MA CDM -35° 15390 22 27.1 -35 29.4 8.4				
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^[[w]]

Mar. 17	15843	39649			MA CDM -35° 15416 22 [[strikethrough]] 0				
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[[strikethrough]]^[[2]] 30.3|-35 35.8|8.5 ^[[w]]

Mar. 17	15843a	39649			MA CDM -34° 15544 22 15.4 -34 11.6 8.6				
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^[[w]]

Mar. 17	15844	39650			ML CDM -38° 2 0 0.2 -38 28.0 9.0 ^[[w]]				
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Mar. 17	15845	39650			MA CDM -37° 15492 23 58.1 -37 58.8 8.0				
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^[[w]]

Mar. 17	15846	39651			ML CDM -29° 15345 18 38.8 -2				
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[[strikethrough]] 5 [[strikethrough]]^[[9]] 45.6|7.1

Mar. 17	15847	39651			ML CDM -27° 12989 18 27.7 -27 26.4 7.8				
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Mar. 17	15848	39651			ML CDM -26° 13102 18 15.6 -26 1.9 9.2				
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Mar. 17	15849	39651			ML CDM -24° 14219 18 13.8 -24 57.9 7.5				
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Mar. 17	15850	39651			Cont. CDM -24° 14289 18 16.9 -24				
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56.6|neb.]

Mar. 17	15851	39669			ML CDM -58° 7936 22 7.7 -58 11.2 8.0				
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^[[w]]

Mar. 17	15852	39669			ML CDM -57° 10070 22 5.6 -57 50.1 8.7				
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^[[w]]

Mar. 17	15853	39669			MA CDM -57° 10002 21 49.4 -57 17.8 8.4				
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^[[w]]

Mar. 17	15854	39669			ML CDM -56° 9835 22 4.6 -56 33.7 7.9				
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^[[w]]

Mar. 17	15855	39669			MA CDM -54° 9918 21 32.0 -54 22.6 9.8				
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^[[w]]

Mar. 17	15856	39669			ML CDM -53° 10120 21 30.9 -53 59.2 9.8				
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^[[w]]

Mar. 17	15857	39669			MA CDM -53° 10097 21 25.9 -53 47.3 9.4				
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^[[w]]

Mar. 17	15858	39669			MA CDM -52° 11880 21 19.9 -52 48.2 9.1				
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^[[w]]

Mar. 17	15859	39669			MA8 Approx 1875 21 35.4 -53 18 ^[[w]]				
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Mar. 17	15860	39669			MA CDM -51° 13120 21 47.6 -51 51.7 9.2				
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^[[w]]

Mar. 17	15861	39669			MA CDM -50° 13551 21 52.3 -50 50.3 9.3				
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^[[w]]

Mar. 17	15862	39669			ML CDM -49° 13680 21 51.0 -59 34.6 8.5				
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^[[w]]

Mar. 17	15863	39669			MA CDM -48° 14077 21 52.1 -48 15.1 8.0				
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^[[w]]

Mar. 17	15863a	39669			MA CDM -49° 13744 22 1.7 -59 21.6 9.2				
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1909

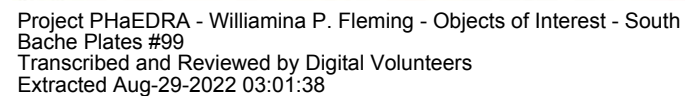
Objects of Interest on Southern Spectrum Plates

Date	No	Plate	A	H	Object	Design	RA	Dec	Magn
Mar. 17	15837	39648			MA CDM -36° 13812 19 51.5 -36 21.9 9.3				
"	15838	"			ML CDM -36° 13930 20 2.0 -36 15.3 9.4				
"	15839	"			ML CDM -36° 13959 20 4.3 -36 9.0 7.9				
"	15840	"			ML CDM -35° 14137 20 20.4 -35 44.5 9.4				
"	15841	39649			MA CDM -37° 14867 22 31.3 -37 32.4 8.8				
"	15842	"			MA CDM -35° 15390 22 27.1 -35 29.4 8.4				
"	15843	"			MA CDM -35° 15416 22 [[strikethrough]] 0				
"	15843a	39649			MA CDM -34° 15544 22 15.4 -34 11.6 8.6				
"	15844	"			ML CDM -38° 2 0 0.2 -38 28.0 9.0 ^[[w]]				
"	15845	"			MA CDM -37° 15492 23 58.1 -37 58.8 8.0				
"	15846	"			ML CDM -29° 15345 18 38.8 -2				
"	15847	"			ML CDM -27° 12989 18 27.7 -27 26.4 7.8				
"	15848	"			ML CDM -26° 13102 18 15.6 -26 1.9 9.2				
"	15849	"			ML CDM -24° 14219 18 13.8 -24 57.9 7.5				
"	15850	"			Cont. CDM -24° 14289 18 16.9 -24				
"	15851	39669			ML CDM -58° 7936 22 7.7 -58 11.2 8.0				
"	15852	"			ML CDM -57° 10070 22 5.6 -57 50.1 8.7				
"	15853	"			MA CDM -57° 10002 21 49.4 -57 17.8 8.4				
"	15854	"			ML CDM -56° 9835 22 4.6 -56 33.7 7.9				
"	15855	"			MA CDM -54° 9918 21 32.0 -54 22.6 9.8				
"	15856	"			ML CDM -53° 10120 21 30.9 -53 59.2 9.8				
"	15857	"			MA CDM -53° 10097 21 25.9 -53 47.3 9.4				
"	15858	"			MA CDM -52° 11880 21 19.9 -52 48.2 9.1				
"	15859	"			MA8 Approx 1875 21 35.4 -53 18 ^[[w]]				
"	15860	"			MA CDM -51° 13120 21 47.6 -51 51.7 9.2				
"	15861	"			MA CDM -50° 13551 21 52.3 -50 50.3 9.3				
"	15862	"			ML CDM -49° 13680 21 51.0 -59 34.6 8.5				
"	15863	"			MA CDM -48° 14077 21 52.1 -48 15.1 8.0				
"	15863a	"			MA CDM -49° 13744 22 1.7 -59 21.6 9.2				

^[[w]]
|Mar. 17|15864|39670| | |MA|CDM -48° 21|0 5.6|-48 49.4|8.7 ^[[w]]|

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Type III
Type III
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Type III
Type III
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Type III
Type III
Cluster?
Type III
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Type III
Type III
Type III
Type III
Type III Var. New
Type III
Type III
Type III
Type III



Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

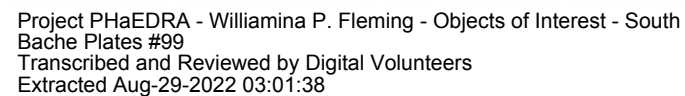
1909

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn
Mar 17	15865	39670			Ma	CDM-48° 27	0 8.3	-48 34.5	8.3 ^[[w]]
Mar 17	15866	39670			Md8	CDM-46° 14688	23 25.7	-46 40.5	9.9 ^[[w]]
Mar 17	15867	39670			Mc	CDM-46° 14721	23 31.1	-46 15.5	8.0 ^[[w]]
Mar 17	15868	39670			Mb	CDM-45° 15067	23 27.1	-45 44.5	9.3 ^[[w]]
Mar 17	15869	39670			Ma	CDM-43° 15584	23 59.1	-43 35.0	7.5 ^[[w]]
Mar 17	15870	39671			Ma	CDM-51° 419	1 41.2	-51 26.3	5.8 ^[[w]]
Mar 17	15871	39671			Ma	CDM-49° 469	1 35.0	-49 23.6	7.2 ^[[w]]
Mar 17	15872	39671			Ma	CDM-46° 552	1 48.6	-46 54.8	4.8 ^[[w]]
Mar 17	15873	39671			Ma	CDM-43° 606	1 53.8	-43 33.4	7.3 ^[[w]]
Mar 17	15874	39672			Mb	CPD-53° 9602	19 26.1	-53 16.6	7.8 ^[[w]]
Mar 17	15875	39672			M	CDM-50° 12361	19 1.2	-50 32.2	8.4 ^[[w]]
Mar 17	15876	39673			Ma	CDM-47° 13103	19 41.1	-47 52.0	6.3 ^[[w]]
Mar 17	15877	39673			Mb	CDM-47° 13265	20 0.4	-47 32.0	7.7 ^[[w]]
Mar 17	15878	39673			Md7	CDM-47° 13305	20 5.8	-47 20.0	8.2 ^[[w]]
Mar 17	15879	39673			Ma	CDM-46° 13418	20 1.7	-46 34.1	8.9 ^[[w]]
Mar 17	15880	39673			Ma	CDM-44° 13441	19 28.4	-44 33.5	8.8 ^[[w]]
Mar 17	15881	39673			Ma	CDM-43° 13746	19 53.1	-43 8.6	8.9 ^[[w]]
Mar 17	15882	39673			Md8	CDM-41° 13684	19 38.9	-41 28.5	9.3 ^[[w]]
Mar 17	15882a	39673			Ma	CDM-39° 13540	19 50.0	-39 14.6	8.7 ^[[w]]
Mar 17	15883	39673			Ma	CDM-40° 13601	19 52.2	-40 32.5	7.9 ^[[w]]
Mar 17	15883a	39673			Ma	CDM-39° 13360	19 29.0	-39 2.2	7.9 ^[[w]]
Mar 17	15884	39674			Mb	CDM-48° 14077	21 52.1	-48 15.1	8.0 ^[[w]]
Mar 17	15885	39674			Ma	CDM-47° 13934	21 41.0	-47 27.9	8.4 ^[[w]]
Mar 17	15886	39674			Ma	CDM-47° 13941	21 41.7	-47 11.4	7.0 ^[[w]]
Mar 17	15887	39674			Mc	CDM-44° 14637	21 39.9	-44 34.8	9.5 ^[[w]]
Mar 17	15888	39674			Mb	CDM-43° 14678	21 35.7	-43 47.9	9.1 ^[[w]]
Mar 17	15889	39674			Mb	CDM-43° 14677	21 35.6	-43 42.7	9.6 ^[[w]]
Mar 17	15890	39674			Ma	CDM-43° 14932	22 4.4	-43 45.0	8.4 ^[[w]]
Mar 17	15891	39674			Mb5c	CDM-41° 14682	21 46.6	-41 50.9	7.7

^[[w]]
|Mar 17|15892|39674| | |Ma|CDM-41° 14633|21 37.2|-41 18.9|8.5
^[[w]]

Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
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Type III
Var. known Type III H.V. 3033 -Phoenicis (A.J.C.)
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III Var. known R Telescopii -47° 13'05" 20^h 5.8^m -47° 20' (8.2)
Type III
Type III
Type III
Type III Var. Known. C.D.M. -41° 13'68.4" 19 38.9 -41° 28.5" (9.3)
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III



[[10 columned table]]

[Date|No|Plate|[[symbol-A or ascending
 node]]|H|Object|Design.|Ra|Dec|Magn.]
 Mar. 17|15893|39675| | |Ma|CPD -57° 10325|23 34.9|-57 23.8|9.1
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 Mar. 17|15894|39675| | |Mb|CPD -57° 10305|23 31.3|-57 8.6|8.0
 [[symbol - w over V???down pointing vector arrowhead]]
 Mar. 17|15895|39675| | |Mb|CPD -56° 10144|23 40.1|-56 30.1|8.0
 [[symbol - w over V???down pointing vector arrowhead]]
 Mar. 17|15896|39675| | |Md?|CPD -55° 10080|23 37.6|-55 7.7|8.1
 [[symbol - w over V???down pointing vector arrowhead]]
 Mar. 17|15897|39675| | |Ma|CDM -49° 44|0 9.9|-49 15.1|8.3
 [[symbol - w over V???down pointing vector arrowhead]]
 Mar. 17|15898|39676| | |Ma|C[[strikethrough]]DM[[/strikethrough]]PD.
 -55°395|2 4.9|-55 6.2|9.4 [[symbol - w over V???down pointing vector
 arrowhead]]
 Mar. 17|15899|39676| | |Ma|CPD -52° 266|2 2.8|-52 51.9|9.8[[symbol
 - w over V???down pointing vector arrowhead]]
 Mar. 17|15900|39676| | |Ma|CDM -49° 469|1 35.0|-49 23.6|7.2
 [[symbol - w over V???down pointing vector arrowhead]]
 Mar. 17|15901|39677| | |Mb|C.D.M. -47 13265|20 0.4|-47 32.0|7.7|
 Mar. 17|15902|39677| | |Md8|C.D.M. -47 13305|20 5.8|-47 20.0|8.2|
 Mar. 17|15903|39677| | |Mb|C.D.M. -46 13580|20 21.5|-46 37.5|9.4|
 Mar. 17|15904|39677| | |Ma|C.D.M. -45 13830|20 20.2|-45 27.1|9.1|
 Mar. 17|15905|39677| | |Ma|C.D.M. -45 14103|20 47.3|-45 2.9|7.1|
 Mar. 17|15906|39677| | |Mb|C.D.M. -44 14205|20 48.6|-44 8.1|8.7|
 Mar. 17|15907|39677| | |Md9|C.D.M. -40 13888|20 20.9|-40 49.7|10.|
 Mar. 17|15908|39677| | |Ma|C.D.M. -40 13774|20 8.5|-40 25.8|9.3|
 Mar. 17|15908a|39677| | |
 Ma[[strikethrough]](?)[[/strikethrough]][[[strikethrough]]CDM.-40
 13861|20 18.3|-40 18.9|8.5[[/strikethrough]]
 | |[[strikethrough]]15908b[[/strikethrough]]|39677| |
 [[strikethrough]]Ma[[/strikethrough]]|CDM.-40 13862|20 18.4|-40
 19.9|8.1 inverted V|
 Mar. 17|15909|39677| | |Md8|CDM -39 13722|20.94|-39 29.9|9.7
 Mar. 17|15909a|39677| | |Ma|CDM -39 13786|20 17.2|-39 43.6|8.5
 Mar. 17|15910|39677| | |Md?|CDM -38 14127|20 28.4|-38 26.8|8.7
 Mar. 17|15910a|39677| | |Ma|CDM -39 13800|20 18.9|-39 23.4|7.9
 Mar. 17|15911|39677| | |Mb|CDM -38 14208|20 38.0|-38 30.2|8.9
 Mar. 17|15911a|39677| | |Mb|CDM -41 13988|20 13.4|-41 8.8|7.0
 Mar. 17|15912|39678| | |Mb|CPD -52° 12133|23 9.8|-52 32.7|8.8
 [[symbol - w over V???down pointing vector arrowhead]]
 Mar. 17|15913|39678| | |Ma|CDM -49° 14098|23 7. [[strikethrough]] 8
 [[/strikethrough]] 7|-49 29.2|9.0 [[symbol - w over V???down pointing
 vector arrowhead]]
 Mar. 17|15914|39678| | |Ma|CDM -48° 14482|23 15.6|-48 12.3|8.7
 [[symbol - w over V???down pointing vector arrowhead]]
 Mar. 17|15915|39678| | |Ma|CDM -48° 14534|23 26.2|-48 25.9|8.7
 [[symbol - w over V???down pointing vector arrowhead]]
 Mar. 17|15916|39678| | |Ma|CDM -46° 14721|23 31.1|-46 15.5|8.0
 [[symbol - w over V???down pointing vector arrowhead]]
 Mar. 17|15917|39678| | |Mc|CDM -45° 15067|23 27.1|-45 44.5|9.3
 [[symbol - w over V???down pointing vector arrowhead]]
 Mar. 17|15918|39678| | |Ma|CDM -44° 15220|23 16.1|-44 50.1|8.8
 [[symbol - w over V???down pointing vector arrowhead]]

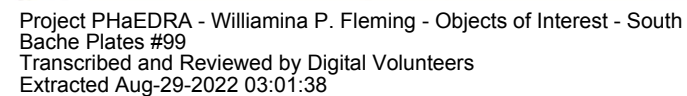
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1909	Objects of Interest on Southern Spectrum Plates							
Date	No	Plate	U	V	Object Design	RA	Dec	Magn.
Mar. 17	15893	39675			Ma	10325.23	-57 23.8	9.1
"	15894	"			Mb	10305.23	-57 8.6	8.0
"	15895	"			Mb	10144.23	-56 30.1	8.0
"	15896	"			Md?	10080.23	-55 7.7	8.1
"	15897	"			Ma	44.0	-49 15.1	8.3
"	15898	39676			Ma	395.2	-55 6.2	9.4
"	15899	"			Ma	266.2	-52 51.9	9.8
"	15900	"			Ma	469.1	-49 23.6	7.2
"	15901	39677			Mb	13265.20	-47 32.0	7.7
"	15902	"			Md8	13305.20	-47 20.0	8.2
"	15903	"			Mb	13580.20	-46 37.5	9.4
"	15904	"			Ma	13830.20	-45 27.1	9.1
"	15905	"			Ma	14103.20	-45 2.9	7.1
"	15906	"			Mb	14205.20	-44 8.1	8.7
"	15907	"			Md9	13888.20	-40 49.7	10.
"	15908	"			Ma	13774.20	-40 25.8	9.3
"	15908a	"						
"	15908b	"						
"	15909	"			Md8	13722.20	-39 29.9	9.7
"	15909a	"			Ma	13786.20	-39 43.6	8.5
"	15910	"			Md?	14127.20	-38 26.8	8.7
"	15910a	"			Ma	13800.20	-39 23.4	7.9
"	15911	"			Mb	14208.20	-38 30.2	8.9
"	15911a	"			Mb	13988.20	-41 8.8	7.0
"	15912	39678			Mb	12133.23	-52 32.7	8.8
"	15913	39678			Ma	14098.23	-49 29.2	9.0
"	15914	39678			Ma	14482.23	-48 12.3	8.7
"	15915	39678			Ma	14534.23	-48 25.9	8.7
"	15916	39678			Ma	14721.23	-46 15.5	8.0
"	15917	39678			Mc	15067.23	-45 44.5	9.3
"	15918	39678			Ma	15220.23	-44 50.1	8.8
"	15919	"			Ma	15419.23	-43 14.6	9.5
"	15920	39679			Ma	15619.23	-42 45.2	9.2

Smithsonian Institution, Department of Astrophysics, Astrophysical Observatory, Flagstaff, Arizona

|Mar. 17|15919|39678| | |Ma|CDM -46° 14522|22 56.3|-46 13.9|9.5
[[symbol - w over V???down pointing vector arrowhead]]
|Mar. 17|15920|39679| | |Ma5b|CDM -47° 389|1 14.2|-47 56.8|7.2
[[symbol - w over V???down pointing vector arrowhead]]
John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics
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Objects of Interest on Southern Spectrum Plates

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Date	No.	Plate	V	H	Object	Design	Ra	Dec	Magn.
Mar 17	15921	39679			Mb	CDM -47° 440	1 24.2	-47 24.2	6.6
Mar 17	15922	39679			Ma	CDM -43° 42			2
[[/strickethrough]] 1 1 19. [[/strickethrough]] 4 [[/strickethrough]] 3 -43									
[[/strickethrough]] 45.7 [[/strickethrough]] 24.8 8.5									
Mar 17	15923	39679			Ma	CDM -41° 260	0 57.5	-41 41.8	7.3
Mar 17	15924	39679			Ma	CDM -40° 229	0 56.7	-40 23.8	8.5
Mar 17	15924a	39679			Mb	CDM -38° 418	1 6.3	-38 36.0	8.5
Mar 17	15925	39679			Ma	CDM -38° 484	1 17.4	-38 20.9	7.3
Mar 17	15926	39682			Mc	CPM -52° 4880	21 19.9	-52 48.2	9.1
Mar 17	15927	39682			Ma	CDM -49° 13515	21 25.2	-49 31.8	8.5
Mar 17	15928	39682			Mb	CDM -48° 13942	21 27.9	-48 30.4	8.8
Mar 17	15929	39682			Ma	CDM -47° 13708	21 0.7	-47 16.2	8.0
Mar 17	15930	39682			Ma	CDM -47° 13934	21 41.0	-47 27.9	8.4
Mar 17	15931	39680			Ma	CDM -47° 13103	19 41.1	-47 52.0	6.3
Mar 17	15932	39680			Ma	CDM -43° 13346	19 15.0	-43 10.5	8.6
Mar 17	15933	39680			Ma	CDM -41° 13420	19 7.7	-41 46.2	8.5
Mar 17	15934	39680			Ma	CDM -42° 14230	19 20.1	-42 21.9	8.2
Mar 17	15935	39680			Ma	CDM -42° 14212	19 18.8	-42 14.0	8.6
Mar 17	15936	39680			Md?	CDM -41° 13684	19 38.9	-41 28.5	9.3
Mar 17	15937	39681			Mb	CDM -51° 12077	19 15.5	-51 20.3	7.5
Mar 17	15938	39681			Mc5d	CDM -50 12420	19 8.6	-50 40.0	9.5
Mar 17	15939	39681			Ma	CDM -50 12740	19 48.0	-50 47.6	9.1
Mar 17	15940	39681			Ma	CDM -49 12853	19 39.4	-49 49.8	8.0
Mar 17	15941	39681			Mb	CDM -49			12887
[[/strickethrough]] 12894 19 44. [[/strickethrough]] 2 [[/strickethrough]] 9 -									
49 [[/strickethrough]] 47.6 8.3 [[/strickethrough]] 46.9 8.5									
Mar 17	15942	39681			Mb	CDM -49 12950	19 51.4	-49 56.8	6.8
Mar 17	15943	39681			Ma	CDM -48 13170	19 26.9	-48 59.9	9.7
Mar 17	15944	39681			Mb	CDM -48 13172	19 27.0	-48 41.0	10
Mar 17	15945	39681			Ma	CDM -47 12800	19 5.2	-47 14.9	8.9
Mar 17	15946	39681			Md?	CDM -47 12862	19 13.4	-47 16.5	9.3
Mar 17	15947	39681			Ma	CDM -45 13143	19 11.9	-45 36.0	7.5
Mar 17	15948	39681			Mb	CDM -44 13441	19 28.4	-44 33.5	

Date	No.	Plate	V	H	Object	Design	Ra	Dec	Magn.
Mar 17	15921	39679			Mb	CDM -47° 440	1 24.2	-47 24.2	6.6
Mar 17	15922	39679			Ma	CDM -43° 42			2
[[/strickethrough]] 1 1 19. [[/strickethrough]] 4 [[/strickethrough]] 3 -43									
[[/strickethrough]] 45.7 [[/strickethrough]] 24.8 8.5									
Mar 17	15923	39679			Ma	CDM -41° 260	0 57.5	-41 41.8	7.3
Mar 17	15924	39679			Ma	CDM -40° 229	0 56.7	-40 23.8	8.5
Mar 17	15924a	39679			Mb	CDM -38° 418	1 6.3	-38 36.0	8.5
Mar 17	15925	39679			Ma	CDM -38° 484	1 17.4	-38 20.9	7.3
Mar 17	15926	39682			Mc	CPM -52° 4880	21 19.9	-52 48.2	9.1
Mar 17	15927	39682			Ma	CDM -49° 13515	21 25.2	-49 31.8	8.5
Mar 17	15928	39682			Mb	CDM -48° 13942	21 27.9	-48 30.4	8.8
Mar 17	15929	39682			Ma	CDM -47° 13708	21 0.7	-47 16.2	8.0
Mar 17	15930	39682			Ma	CDM -47° 13934	21 41.0	-47 27.9	8.4
Mar 17	15931	39680			Ma	CDM -47° 13103	19 41.1	-47 52.0	6.3
Mar 17	15932	39680			Ma	CDM -43° 13346	19 15.0	-43 10.5	8.6
Mar 17	15933	39680			Ma	CDM -41° 13420	19 7.7	-41 46.2	8.5
Mar 17	15934	39680			Ma	CDM -42° 14230	19 20.1	-42 21.9	8.2
Mar 17	15935	39680			Ma	CDM -42° 14212	19 18.8	-42 14.0	8.6
Mar 17	15936	39680			Md?	CDM -41° 13684	19 38.9	-41 28.5	9.3
Mar 17	15937	39681			Mb	CDM -51° 12077	19 15.5	-51 20.3	7.5
Mar 17	15938	39681			Mc5d	CDM -50 12420	19 8.6	-50 40.0	9.5
Mar 17	15939	39681			Ma	CDM -50 12740	19 48.0	-50 47.6	9.1
Mar 17	15940	39681			Ma	CDM -49 12853	19 39.4	-49 49.8	8.0
Mar 17	15941	39681			Mb	CDM -49			12887
[[/strickethrough]] 12894 19 44. [[/strickethrough]] 2 [[/strickethrough]] 9 -									
49 [[/strickethrough]] 47.6 8.3 [[/strickethrough]] 46.9 8.5									
Mar 17	15942	39681			Mb	CDM -49 12950	19 51.4	-49 56.8	6.8
Mar 17	15943	39681			Ma	CDM -48 13170	19 26.9	-48 59.9	9.7
Mar 17	15944	39681			Mb	CDM -48 13172	19 27.0	-48 41.0	10
Mar 17	15945	39681			Ma	CDM -47 12800	19 5.2	-47 14.9	8.9
Mar 17	15946	39681			Md?	CDM -47 12862	19 13.4	-47 16.5	9.3
Mar 17	15947	39681			Ma	CDM -45 13143	19 11.9	-45 36.0	7.5
Mar 17	15948	39681			Mb	CDM -44 13441	19 28.4	-44 33.5	

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Objects of Interest on Southern Spectrum Plates

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Date | No | Plate | N | H | Object | Design | RA | Dec | Magn

Mar. 17 | 15949 | 39681 | | Mb | CDM -43° 13346 | 19 15.0 | -43 10.5 | 8.6
 Mar. 17 | 15950 | 39681 | | Ma | CDM -43 133 ~~[[strikethrough]]~~ 6
~~[[strikethrough]]~~ 52 | 19 15.4 | -43 57.7 | 6.6
 May 12 | 15951 | 39214 | | Ma | CDM -42° 9489 | 14 29.4 | -42 49.8 | 8.8
 May 12 | 15952 | 39214 | | Ma | CDM -41° 9021 | 14 32.7 | -41 40.1 | 7.5
 May 12 | 15953 | 39214 | | Ma | CDM -39° 8964 | 14 22.6 | -39 55.1 | 7.3
 May 12 | 15954 | 39214 | | Ma | CDM -38° 9396 | 14 20.7 | -38 58.6 | 9.0
 May 12 | 15955 | 39214 | | Ma | CDM -38° 9612 | 14 37.3 | -38 13.0 | 8.1
 May 12 | 15956 | 39214 | | Mc5d | CDM -36° 9274 | 14 12.2 | -36 17.0 | 7.1
 May 12 | 15957 | 39214 | | Ma | CDM -34° 9 ~~[[strikethrough]]~~ 6
~~[[strikethrough]]~~ 774 | 14 28.5 | -34 21.2 | 7.7
 May 12 | 15958 | 39215 | | Mb | CDM -31° 11896 | 15 14.4 | -31 44.4 | 7.2
 May 12 | 15959 | 39216 | | Mc | CDM -36° 10360 | 15 35.4 | -36 46.0 | 8.3
 May 12 | 15960 | 39216 | | Ma | CDM -30° 12706 | 15 50.9 | -30 21.8 | 7.9
 May 12 | 15961 | 39216 | | Mb | CDM -28° 11499 | 15 33.9 | -28 53.4 | 7.4
 May 12 | 15962 | 39217 | | Mb | CDM -35° 10969 | 16 20.6 | -35 24.6 | 8.1
 May 12 | 15963 | 39217 | | Mb | CDM -28° 11930 | 16 2.6 | -28 57.0 | 7.6
 May 12 | 15964 | 39218 | | Type V | CDM -41° 10972 | 16 43.
~~[[strikethrough]]~~ 7 ~~[[strikethrough]]~~ 6 | -41 38.0 | 7.3
 May 12 | 15965 | 39218 | | Type V | CDM -41° 11041 | 16 45.6 | -41
 36.0 | 8.0
 May 12 | 15966 | 39218 | | Mb | CDM -41° 11503 | 17 12.2 | -41 44.6 | 8.0
 May 12 | 15967 | 39218 | | Ma | CDM -33° 11820 | 17 4.2 | -33 33.7 | 9.6
 May 12 | 15968 | 39219 | | Mb | CDM -41° 13242 | 18 58.0 | -41 43.6 | 9.7
 May 12 | 15969 | 39219 | | Mb | CDM -41° 13323 | 18 58.0 | -41 43.6 | 9.7
 May 12 | 15970 | 39219 | | Ma | CDM -41° 13349 | ~~[[strikethrough]]~~ 18
~~[[strikethrough]]~~ 19 0.5 | -41 27.4 | 8.0
 May 12 | 15971 | 39219 | | Mb | CDM -39° 12814 | 18 32.5 | -39 12.3 | 7.7
 May 12 | 15972 | 39219 | | Ma | CDM -39° 12984 | 18 46.8 | -39 42.5 | 9.0
 May 12 | 15973 | 39219 | | Mb | CDM -39° 12925 | 18 40.6 | -39 46.0 | 8.7
 May 12 | 15974 | 39219 | | Mb | CDM -39° 12860 | 18 35.9 | -39 9.2 | 8.7
 May 12 | 15975 | 39219 | | Ma | CDM -35° 13095 | 18 5 ~~[[strikethrough]]~~

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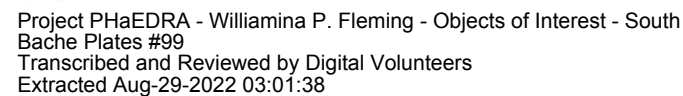
Objects of Interest on Southern Spectrum Plates

Date	No	Plate	N	H	Object	Design	RA	Dec	Magn
Mar. 17	15949	39681			Mb	CDM -43° 13346	19 15.0	-43 10.5	8.6
"	15950	39681			Ma	CDM -43 133			6
May 12	15951	39214			Ma	CDM -42° 9489	14 29.4	-42 49.8	8.8
"	15952	39214			Ma	CDM -41° 9021	14 32.7	-41 40.1	7.5
"	15953	39214			Ma	CDM -39° 8964	14 22.6	-39 55.1	7.3
"	15954	39214			Ma	CDM -38° 9396	14 20.7	-38 58.6	9.0
"	15955	39214			Ma	CDM -38° 9612	14 37.3	-38 13.0	8.1
"	15956	39214			Mc5d	CDM -36° 9274	14 12.2	-36 17.0	7.1
"	15957	39214			Ma	CDM -34° 9			6
"	15958	39215			Mb	CDM -31° 11896	15 14.4	-31 44.4	7.2
"	15959	39216			Mc	CDM -36° 10360	15 35.4	-36 46.0	8.3
"	15960	39216			Ma	CDM -30° 12706	15 50.9	-30 21.8	7.9
"	15961	39216			Mb	CDM -28° 11499	15 33.9	-28 53.4	7.4
"	15962	39217			Mb	CDM -35° 10969	16 20.6	-35 24.6	8.1
"	15963	39217			Mb	CDM -28° 11930	16 2.6	-28 57.0	7.6
"	15964	39218			Type V	CDM -41° 10972	16 43.		
"	15965	39218			Type V	CDM -41° 11041	16 45.6	-41 36.0	8.0
"	15966	39218			Mb	CDM -41° 11503	17 12.2	-41 44.6	8.0
"	15967	39218			Ma	CDM -33° 11820	17 4.2	-33 33.7	9.6
"	15968	39219			Mb	CDM -41° 13242	18 58.0	-41 43.6	9.7
"	15969	39219			Mb	CDM -41° 13323	18 58.0	-41 43.6	9.7
"	15970	39219			Ma	CDM -41° 13349			18
"	15971	39219			Mb	CDM -39° 12814	18 32.5	-39 12.3	7.7
"	15972	39219			Ma	CDM -39° 12984	18 46.8	-39 42.5	9.0
"	15973	39219			Mb	CDM -39° 12925	18 40.6	-39 46.0	8.7
"	15974	39219			Mb	CDM -39° 12860	18 35.9	-39 9.2	8.7
"	15975	39219			Ma	CDM -35° 13095	18 5		

4 ~~2.6~~ | -35 54.5 | 8.5
May 12 | 15976 | 39219 | | Ma | CDM -35° 12756 | 18 28.1 | -35 32.3 |
7.5

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Type III
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Type III Var? not confirmed see cover B39214
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Known Type V
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Objects of Interest on Southern Spectrum Plates

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[[10 columned table]]

[Date][No][Plate][V][H][Object][Design][RA][Dec][Magn]

May 12|15977|39219| | |Br. lines|CDM-33° 13537|18 37.7|-33

26.6|9.7 ^[[w]]

May 13|15978|39126| | |Br. lines|CDM-45° 11392|17 10.3|-45

30.3|7.1 ^[[w]]

May 13|15979|39126| | |Ma|CDM-42° 11627|16 44.8|-42 50.0|6.6

^[[w]]

May 13|1598[[~~0~~]]^[[1]]|39126| | |Br.lines|CDM-41° 10972|16 43.7[[~~7~~]]^[[6]]|-41

38.0|7.3 ^[[w]]

May 13|1598[[~~0~~]]^[[0]]|39126| | |Br.

lines|CDM-41° 11041|16 45.6|-41 36.0|8.0 ^[[w]]

May 13|15982|39126| | |Mb|CDM-39° 11212|17 5.8|-39 36.7|7.0

^[[w]]

May 13|15983|39127| | |Ma|CDM-43° 12699|18 30.6|-43 17.2|5.8

^[[w]]

May 13|15984|39652| | |Ma|CDM-42° 14212|19 18.8|-42 14.0|8.6

^[[w]]

May 13|15985|39652| | |Ma|CDM-42° 14230|19 20.1|-42 21.9|8.2

^[[w]]

May 13|15986|39652| | |Ma|CDM-41° 13684|19 38.9|-41 28.5|9.3

^[[w]]

May 13|15987|39652| | |Mb|CDM-38° 13683|19

[[~~13.9~~]]^[[39.9]]|-38 9.0|8.0 ^[[w]]

May 13|15988|39652| | |Ma|CDM-37° 13304|19 33.3|-37 21.4|10.9

^[[w]]

May 13|15989|39652| | |Mb|CDM-34° 13822|19 29.7|-34 6.9|8.5

^[[w]]

May 13|15990|39652| | |Mb|CDM-34° 13747|19 24.2|-34 1.2|8.5

^[[w]]

May 13|15991|39652| | |Mb|CDM-33° 14141|19 13.0|-33 16.0|9.0

^[[w]]

May 13|15992|39654| | |Mb|CDM-34° 858|2 14.3|-34 11.3|7.9 ^[[w]]

May 13|15993|39655| | |Mb|CDM-40° 1386|4 21.4|-40 6.7|7.8 ^[[w]]

May 13|15994|39655| | |Ma|CDM-39° 1336|4 3.0|-39 50.1|8.7 ^[[w]]

May 13|15995|39655| | |Mb|CDM-39° 1217|3 46.2|-39 21.7|7.5 ^[[w]]

May 13|15996|39655| | |Ma|CDM-36° 1638|4 8.6|-36 52.0|7.7 ^[[w]]

May 13|15997|39656| | |Ma|CDM-51° 12077|19 15.5|-51 20.3|7.5

^[[w]]

May 13|15998|39656| | |Ma|CDM-47° 12800|19 5.2|-47 14.9|8.9

^[[w]]

May 13|15999|39656| | |Ma|CDM-45° 13143|19 11.9|-45 36.0|7.5

^[[w]]

May 13|16000|39656| | |Ma|CDM-43° 13352|19 15.4|-43 57.7|6.6

^[[w]]

May 13|16001|39657| | |Ma|CDM-45° 14302|21 11.9|-45 32.8|6.0

^[[w]]

May 13|16002|39657| | |Ma|CDM-44° 14205|20 48.6|-44 8.1|8.7

^[[w]]

May 13|16003|39657| | |Ma|CDM-43° 14297|20 51.4|-43 59.2|9.1

^[[w]]

May 13|16004|39658| | |Ma|CDM-51° 69|0 13.4|-51 7.4|7.6 ^[[w]]

Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object Design	RA	Dec	Magn	
May 12	15977	39219			Br. lines	CDM-33° 13537	18 37.7	-33	
"	15978	39126			Br. lines	CDM-45° 11392	17 10.3	-45	
"	15979	"			Ma	CDM-42° 11627	16 44.8	-42 50.0	6.6
"	15980	"			"	CDM-41° 10972	16 43.7	-41	
"	15981	"			"	CDM-41° 11041	16 45.6	-41 36.0	8.0
"	15982	"			Mb	CDM-39° 11212	17 5.8	-39 36.7	7.0
"	15983	"			Ma	CDM-43° 12699	18 30.6	-43 17.2	5.8
"	15984	"			Ma	CDM-42° 14212	19 18.8	-42 14.0	8.6
"	15985	"			Ma	CDM-42° 14230	19 20.1	-42 21.9	8.2
"	15986	"			Ma	CDM-41° 13684	19 38.9	-41 28.5	9.3
"	15987	"			Mb	CDM-38° 13683	19		
"	15988	"			Ma	CDM-37° 13304	19 33.3	-37 21.4	10.9
"	15989	"			Mb	CDM-34° 13822	19 29.7	-34 6.9	8.5
"	15990	"			Mb	CDM-34° 13747	19 24.2	-34 1.2	8.5
"	15991	"			Mb	CDM-33° 14141	19 13.0	-33 16.0	9.0
"	15992	"			Mb	CDM-34° 858	2 14.3	-34 11.3	7.9
"	15993	"			Mb	CDM-40° 1386	4 21.4	-40 6.7	7.8
"	15994	"			Ma	CDM-39° 1336	4 3.0	-39 50.1	8.7
"	15995	"			Mb	CDM-39° 1217	3 46.2	-39 21.7	7.5
"	15996	"			Ma	CDM-36° 1638	4 8.6	-36 52.0	7.7
"	15997	"			Ma	CDM-51° 12077	19 15.5	-51 20.3	7.5
"	15998	"			Ma	CDM-47° 12800	19 5.2	-47 14.9	8.9
"	15999	"			Ma	CDM-45° 13143	19 11.9	-45 36.0	7.5
"	16000	"			Ma	CDM-43° 13352	19 15.4	-43 57.7	6.6
"	16001	"			Ma	CDM-45° 14302	21 11.9	-45 32.8	6.0
"	16002	"			Ma	CDM-44° 14205	20 48.6	-44 8.1	8.7
"	16003	"			Ma	CDM-43° 14297	20 51.4	-43 59.2	9.1
"	16004	"			Ma	CDM-51° 69	0 13.4	-51 7.4	7.6

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Type V Known

Type III

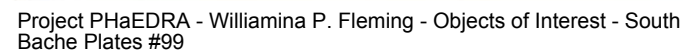
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Type III

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Date	No.	Plate	V	H	Object	Design	Ra	Dec	Magn.
May 13	16005	39658			Mb	CDM -50° 70	0 17.6	-50 3.0	7.9
May 13	16006	39658			Ma	CDM -48° 21	0 5.6	-48 49.4	8.7
May 13	16007	39658			Ma	CDM -48° 27	0 8.3	-48 34.5	8.3
May 13	16008	39658			Mb	CDM -47° 68	0 13.2	-47 11.8	7.3
May 13	16009	39169			Mb	CDM -43° 15584	23 59.1	-43 35.0	7.5
May 17	16010	39169			Ma	CPD -73° 1062	12 47.8	-73 49.0	9.0
May 17	16011	39169			Ma	CPD -72° 1253	12 21.8	-72 20.7	9.4
May 17	16012	39169			M [[striketthrough]] b [[/striketthrough]] a				
					CPD -71° 1376	12 37.6	-71 1.7	8.8	
May 17	16013	39169			Mb5c	CPD -70° 1455	[[striketthrough]] 12		
					3 [[striketthrough]] 11 56.3	-70 9.9	9.0		
May 17	16014	39170			Mb	CPD -77° 895	13 11.3	-77 31.1	8.9
May 17	16015	39170			Mb5c	CPD -76° 799	13 53.2	-76 11.4	7.4
May 17	16016	39170			Mb	CPD -75° 869	13 16.0	-75 2.2	9.6
May 17	16017	39170			Pec.	CPD -73° 113	[[striketthrough]] 6		
					[[striketthrough]] 4	13 11.6	-73 46.9	9.7	
May 17	[[striketthrough]] 16018	39170			Na? [[striketthrough]]				
May 17	16019	39170			Mb	CPD -73° 1150	13 20.6	-73 19.5	9.3
May 17	16020	39170			Mb	CPD -71° 137	[[striketthrough]] 7		
					[[striketthrough]] 6	12 37.	[[striketthrough]] 7 [[striketthrough]] 6	-71 1.7	8.8
May 17	16021	39170			Ma	CPD -68° 1776	12 43.2	-68 10.3	9.1
May 17	16022	39170			Ma	CPD -68° 1793	12 47.2	-68 13.6	8.6
May 17	16023	39171			Ma	CPD -77° 95	[[striketthrough]] 0		
					[[striketthrough]] 3	14 [[striketthrough]] 11.7	-77 49.7	9.5	
					[[striketthrough]] 12.0	-77 53.0	8.9		
May 17	16024	39171			Mc5d	CPD -76° 799	13 53.2	-76 11.4	7.4
May 17	16025	39171			Na	CPD -73° 1134	13 11.6	-73 46.9	9.7
May 17	16026	39171			Ma	CPD -71° 1498	13 31.4	-71 14.0	9.1
May 17	16027	39171			N	CPD -69° 2267	15 2.4	-69 36.3	9.0
May 17	16028	39186			Ma	CPD -60° 4568	13 9.4	-60 55.4	9.0
May 17	16029	39186			Ma	CPD -60° 4579	13 10.3	-60 40.1	8.7
May 17	16030	39187			Pec.	CPD -53° 5658	13 24.9	-53 11.1	9.4
May 17	16031	39188			Mb	CDM -46 9362	14 22.2	-46 27	9.0
May 17	16032	39188			Pec.	(Est. 1900)	14 [[striketthrough]] 47		
					[[striketthrough]] 46.8	-46 12			

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Type III

Type III

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Type III

Type III

Type III

C.P.D. -71° 1377 12 37.7 -71 2.0 9.8 closely adjacent

Type III

Type III

Type III
Type IIIType III
π IIIType III
[Strikethrough]

[[StrikeThrough]] IV var? [[StrikeThrough]] [Na Type IV var? KNOWN.
[[StrikeThrough]] III Type IV Var2 [[StrikeThrough]]

[[Strike through]] in type IV val? [[Strike through]]

Type III
C.R.D.

C.F.D. = 71 1377 12 37.7 = 71 2.0 9.8 closely adjacent Type III
Type III

Type III
Type IIIType III
Type IIIType III
Type IIIType III
Type IV

Type III

Type IV

Type III

Type III
Type III

Type VI

Type III

Dark ha

Dark bands: Van Rensen and Van O Eup



Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
Bache Plates #99
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[[10 Columned Table]]

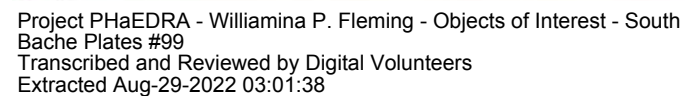
1909 Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	A	H	Object	Design	Ra	Dec	Magn.
May 17	16033	39188			Mb C.D.M. -38 9396	14 20.7	-38 59	9.0	
	16034				[[symbol - m under inverted V]]				
May 17	16034	39188			Mb C.D.M. -38 9442	14 24.1	-38 0	7.9	
	16035				[[symbol - m under inverted V]]				
May 19	16035	39189			Mb C.D.M. -49° 9783	15 26.8	-49 52.2	9.1	
	16036				[[symbol - w over V]]				
May 19	16036	39189			Mb CDM -49° 9787	15 27.0	-49 5.2	var.	
	16037				[[symbol - w over V]]				
May 19	16037	39189			Mb CDM -48° 10576	16 0.8	-48 54.0	8.3	
	16038				[[symbol - w over V]]				
May 19	16038	39189			Mb CDM -43° 10415	15 49.3	-43 36.0	9.2	
	16039				[[symbol - w over V]]				
May 19	16039	39198			Mb5c CPD -75° 754	11 41.6	-75 55.5	8.6	
	16040				[[symbol - w over V]]				
May 19	16040	39198			Ma CPD -72° 1109	11 9.3	-72 24.6	9.2	
	16041				[[symbol - w over V]]				
May 19	16041	39199			Mb CDM -50° 7353	12 46.4	-50 32.6	9.3	
	16042				[[symbol - w over V]]				
May 19	16042	39199			Mb CPD -52° 6276	13 4.4	-52 8.8	8.4	
	16043				[[symbol - w over V]]				
May 19	16043	39199			Ma CDM -49° 8072	13 30.2	-49 57.7	7.2	
	16044				[[symbol - w over V]]				
May 19	16044	39199			Mb CDM -49° 8095	13 32.3	-49 18.9	6.8	
	16045				[[symbol - w over V]]				
May 19	16045	39199			Mb CDM -43° 8302	13 21.0	-43 37.8	9.3	
	16046				[[symbol - w over V]]				
May 19	16046	39200			Na CDM -46° 9289	14 15.3	-46 57.3	9.6	
	16047				[[symbol - w over V]]				
May 19	16047	39201			Ma CDM -41° 9708	15 9.1	-41 27.5	7.7	
	16047-a				[[symbol - w over V]]				
May 19	16047-a	39201			Mf C.D.M. -38 10283	15 17.1	-38 27.7	8.0	
	16048				[[symbol - m under inverted V]]				
May 19	16048	39201			Br line CDM -37° 10033	15 4.9	-37 38.4	9.7	
	16049				[[symbol - w over V]]				
May 19	16049	39201			Ma CDM -36° 9775	14 49.6	-36 37.8	7.8	
	16050				[[symbol - w over V]]				
May 19	16050	39491			Ma DM -22° 6225	23 48.6	-22 47.9	7.0	
	16051				[[symbol - w over V]]				
May 19	16051	39491			Ma DM -22° 7	0 1.5	-22 59.0	7.2	
	16052				[[symbol - w over V]]				
May 19	16052	39492			Ma DM -22° 4585	18 0.5	-22 54.9	8.6	
	16053				[[symbol - w over V]]				
May 19	16053	39492			Ma DM -22° 4562	17 58.1	-22 3.1	8.4	
	16054				[[symbol - w over V]]				
May 19	16054	39492			Br. line DM -21° 4864	17 59.8	-21 15.7	7.8	
	16055				[[symbol - w over V]]				
May 19	16055	39492			Ma DM -21° 4974	18 14.9	-21 43.8	8.3	
	16056				[[symbol - w over V]]				
May 19	16056	39492			Br. lines Approx. 1855	18 5.3	-19 9	9	
	16057				[[symbol - w over V]]				
May 19	16057	39492			Ma DM -18° 4822	18 53.5	-18 53.5	8.8	
	16058				[[symbol - w over V]]				
May 19	16058	39492			Br. lines DM -19°				

122									
Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	A	H	Object	Design	Ra	Dec	Magn.
May 17	16033	39188			Mb C.D.M. -38 9396	14 20.7	-38 59	9.0	
	16034				[[symbol - m under inverted V]]				
May 17	16034	39188			Mb C.D.M. -38 9442	14 24.1	-38 0	7.9	
	16035				[[symbol - m under inverted V]]				
May 19	16035	39189			Mb C.D.M. -49° 9783	15 26.8	-49 52.2	9.1	
	16036				[[symbol - w over V]]				
May 19	16036	39189			Mb CDM -49° 9787	15 27.0	-49 5.2	var.	
	16037				[[symbol - w over V]]				
May 19	16037	39189			Mb CDM -48° 10576	16 0.8	-48 54.0	8.3	
	16038				[[symbol - w over V]]				
May 19	16038	39189			Mb CDM -43° 10415	15 49.3	-43 36.0	9.2	
	16039				[[symbol - w over V]]				
May 19	16039	39198			Mb5c CPD -75° 754	11 41.6	-75 55.5	8.6	
	16040				[[symbol - w over V]]				
May 19	16040	39198			Ma CPD -72° 1109	11 9.3	-72 24.6	9.2	
	16041				[[symbol - w over V]]				
May 19	16041	39199			Mb CDM -50° 7353	12 46.4	-50 32.6	9.3	
	16042				[[symbol - w over V]]				
May 19	16042	39199			Mb CPD -52° 6276	13 4.4	-52 8.8	8.4	
	16043				[[symbol - w over V]]				
May 19	16043	39199			Ma CDM -49° 8072	13 30.2	-49 57.7	7.2	
	16044				[[symbol - w over V]]				
May 19	16044	39199			Mb CDM -49° 8095	13 32.3	-49 18.9	6.8	
	16045				[[symbol - w over V]]				
May 19	16045	39199			Mb CDM -43° 8302	13 21.0	-43 37.8	9.3	
	16046				[[symbol - w over V]]				
May 19	16046	39200			Na CDM -46° 9289	14 15.3	-46 57.3	9.6	
	16047				[[symbol - w over V]]				
May 19	16047	39201			Ma CDM -41° 9708	15 9.1	-41 27.5	7.7	
	16047-a				[[symbol - w over V]]				
May 19	16047-a	39201			Mf C.D.M. -38 10283	15 17.1	-38 27.7	8.0	
	16048				[[symbol - m under inverted V]]				
May 19	16048	39201			Br line CDM -37° 10033	15 4.9	-37 38.4	9.7	
	16049				[[symbol - w over V]]				
May 19	16049	39201			Ma CDM -36° 9775	14 49.6	-36 37.8	7.8	
	16050				[[symbol - w over V]]				
May 19	16050	39491			Ma DM -22° 6225	23 48.6	-22 47.9	7.0	
	16051				[[symbol - w over V]]				
May 19	16051	39491			Ma DM -22° 7	0 1.5	-22 59.0	7.2	
	16052				[[symbol - w over V]]				
May 19	16052	39492			Ma DM -22° 4585	18 0.5	-22 54.9	8.6	
	16053				[[symbol - w over V]]				
May 19	16053	39492			Ma DM -22° 4562	17 58.1	-22 3.1	8.4	
	16054				[[symbol - w over V]]				
May 19	16054	39492			Br. line DM -21° 4864	17 59.8	-21 15.7	7.8	
	16055				[[symbol - w over V]]				
May 19	16055	39492			Ma DM -21° 4974	18 14.9	-21 43.8	8.3	
	16056				[[symbol - w over V]]				
May 19	16056	39492			Br. lines Approx. 1855	18 5.3	-19 9	9	
	16057				[[symbol - w over V]]				
May 19	16057	39492			Ma DM -18° 4822	18 53.5	-18 53.5	8.8	
	16058				[[symbol - w over V]]				
May 19	16058	39492			Br. lines DM -19°				

4854|1~~9~~7 59.4|-19
 2~~0.6~~4.8~~8.2~~
 h|9.6 $\frac{w}{V}$
 May 19|16059|39492| |Ma|DM -17° 5066|18 4.3|-17 26.9|9.0 $\frac{w}{V}$
 May 19|16060|39492| |Pec|DM -15° 4923|18 11.0|-15 39.8|9.0 $\frac{w}{V}$
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Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type III
Type IV Var? -Lupi
Type III
Gas. neb.
Type III
Type III
Type III
Type III
Type III
Type V
Type III
Type V?
Type III
Type V
Type III
Type VI Dark bands



Objects of interest on southern spectrum plates

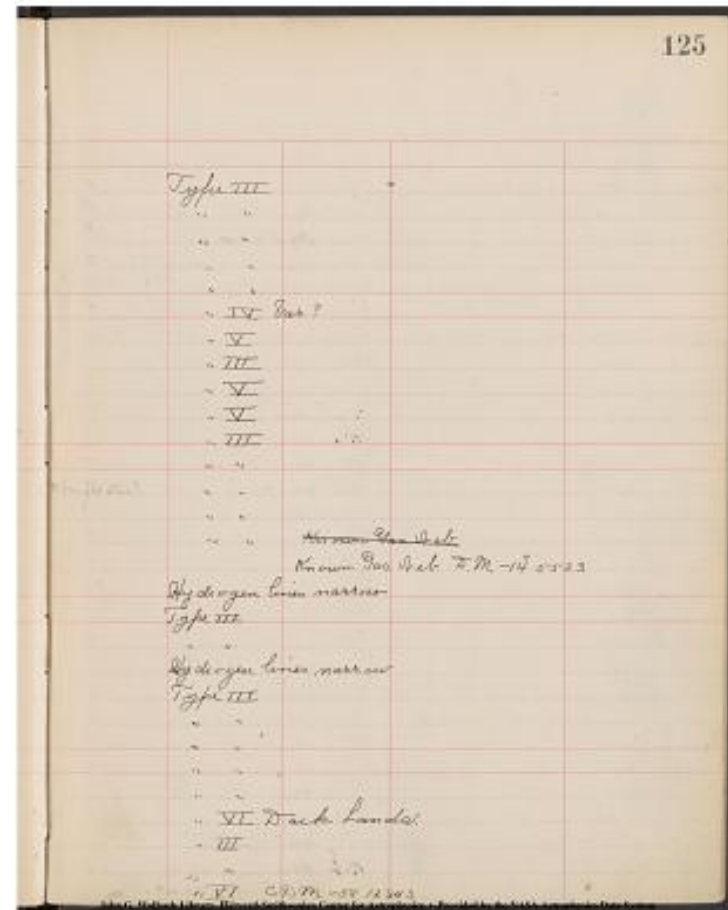
[[10 column table]]

1909

Date	No	Plate	V	H	Object	Design.	RA	Dec	Magn.
May 19	16061	39492			Ma	DM -15° 4775	17 53.0	-15 20.6	8.2
May 19	16062	39493			Ma	CDM -27° 15026	20 39.2	-27 40.7	7.9
May 19	16063	39493			Ma	CDM -25° 14957	20 3	[[crossed-out]]	29.1
May 19	16064	39493			Ma	CDM -23° 16498	20 40.5	-23 55.8	7.5
May 19	16065	39493			Ma	CDM -23° 16334	20 26.8	-23 40.4	8.3
May 19	16066	39493			Na	DM -21° 5672	20 8.6	-21 45.6	7.7
May 20	16067	39494			Br. lines	DM -21° 4864	17 59.8	-21 15.7	7.8
May 20	16068	39494			Ma	DM -19° 4708	17 40.1	-19 43.2	8.3
May 20	16069	39494			Br. lines	CDM -19° 4854	17 59.4	-19 24.8	9.6
May 20	16070	39494			Br. lines	[[striketrough]]	Approx. 1855	18 5.3	-19 10
May 20	16071	39494			Ma	DM -15° 4775	17 53.0	-15 20.6	8.2
May 20	16072	39495			Ma	DM -19° 5628	19 43.1	-19 34.6	7.8
May 20	16073	39495			Ma	DM -17° 5746	19 38.8	-17 25.5	7.0
May 20	16074	39495			Ma	DM -16° 5440	19 40.3	-16 31.1	8.5
May 20	16075	39495			Ma	DM -16° 5433	19 38.3	-16 33.5	8.2
May 20	16076	39495			Br. Lines	DM -14° 5523	19 35.8	-14 29.5	neb.
May 20	16077	39496			Type I	DM -20° 5344	18 49.6	-20 36.5	7.8
May 20	16078	39496			Mb	DM -19° 5077	18 26.8	-19 22.3	[[striketrough]] 9
May 20	16079	39496			Mb	DM -19° 5134	18 34.4	-19 25.3	6.5
May 20	16080	39496			Type I	DM -19° 5242	18 49.1	-19 20.4	7.0
May 20	16081	39496			Mb5c	DM -19° 5255	18 50.9	-19 28.1	7.0
May 20	16082	39496			Mb	DM -19° 5250	18	[[striketrough]] 49.	[[striketrough]] 50.0
May 20	16083	39496			Ma	DM -17° 5501	19 1.7	-17 44.1	8.5
May 20	16084	39496			Mb5c	DM -16° 5074	18 46.5	-16 42.1	8.2
May 21	16085	39498			Ma	CDM -23° 17733	22 58.7	-23 9.2	7.3
May 21	16086	39498			Pec.	DM -21° 6376	23 3.9	-21 47.4	9.0
Oct. 8	16086a	39498			Ma	CDM -25° 11343	15 59.0	-25 53.0	8.8
Oct. 8	16086b	40284			Ma	CDM -25° 11369	16 0.5	-25 59.7	6.0
*Oct. 18	16087	39482			Mb	CPD -67° 3748	20 25.2	-67 50.8	9.0
Oct. 18	16088	39482 cont. on page 126			Mb	CPD -67° 3699	19 50.8	-67 2.1	9.8
*Oct. 8	16086c	40285			Class R	CDM -38° 12843	18 23.4	-38 29	(1900)

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Type III
 Type III
 Type III
 Type III
 Type III
 Type IV Var?
 Type V
 Type III
 Type V
 Type V
 Type III
 Type III
 bright star? Type III
 Type III
 Type III Known Gas. Neb. D.M. -14° 5523
 Hydrogen lines narrow
 Type III
 Type III
 Hydrogen lines narrow
 Type III
 Type III
 Type III
 Type III
 Type III
 Type VI Dark bands
 Type III
 Type III
 Type VI CDM -38 12843

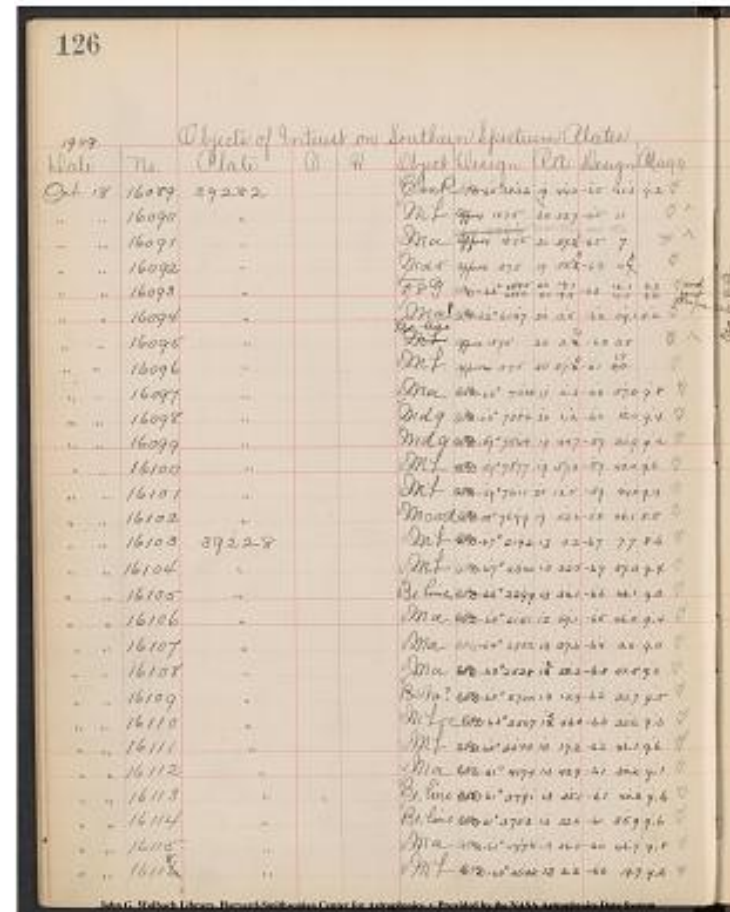


Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
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[[10 column table]]

Date 1909 | No. | Plate | V | H | Object | Design. | RA | Dec. | Magn.

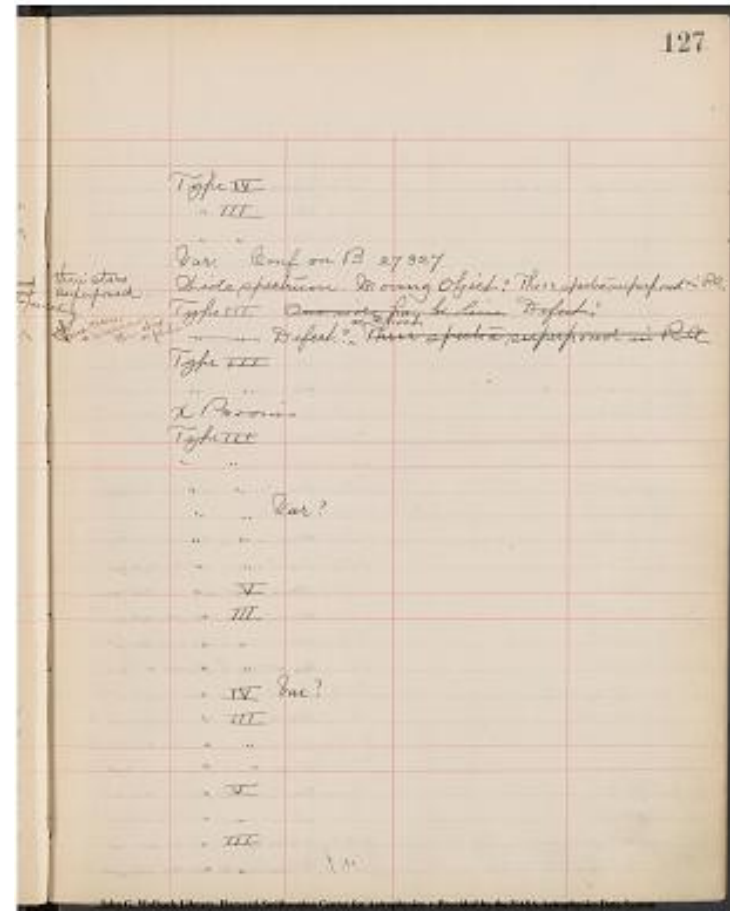
Oct 18	16089	39282			Class R	CPD -65° 3832	19 44.6	-65 41.3	9.2
Oct 18	16090	39282			Mb	Approx 1875	20 35.7	-65 11	
Oct 18	16091	39282			[[/strickethrough]]	-65 3366	[[/strickethrough]]	[[/strickethrough]]	[[/strickethrough]]
Oct 18	16092	39282			Not cat. star	Approx 1875	20 37.	[[/strickethrough]]	2 [[/strickethrough]] 0
Oct 18	16093	39282			Md5	Approx 1875	19 55.	[[/strickethrough]]	5 [[/strickethrough]] 4
Oct 18	16094	39282			F8g	CPD -63° 4586^4585	20 19.8^20 19.7	-63 16.0^16.1	9.6^9.3 and faint star preceding
Oct 18	16095	39282			Ma	CPD -62° 6147	20 3.5	-62 39.1	8.6
Oct 18	16096	39282			[[/strickethrough]] Mb	[[/strickethrough]] Br. line	Approx. 1875	20 3.	[[/strickethrough]] 4 [[/strickethrough]] 2
Oct 18	16097	39282			Ma	CPD -60° 7338	19 41.2	-60 57.0	9.8
Oct 18	16098	39282			Md9	CPD -60° 7384	10 1.2	-60 18.0	9.4
Oct 18	16099	39282			Md9	CPD -59° 7544	19 44.7	-59 30.9	9.2
Oct 18	16100	39282			Mb	CPD -59° 7577	19 57.3	-59 43.0	9.6
Oct 18	16101	39282			Mb	CPD -59° 7611	20 13.5	-59 44.0	9.4
Oct 18	16102	39282			Mc5d	CPD -58° 7699	19 52.6	-58 48.1	8.8
Oct 18	16103	39228			Mb	CPD -67° 2192	13 0.3	-67 7.7	8.6
Oct 18	16104	39228			Mb	CPD -67° 2340	13 32.5	-67 27.3	9.4
Oct 18	16105	39228			Br. lines	CPD -66° 2299	13 34.1	-66 46.1	9.0
Oct 18	16106	39228			Ma	CPD -65° 2151	12 59.1	-65 46.0	9.4
Oct 18	16107	39228			Ma	CPD -64° 2552	13 37.6	-64 3.0	9.0
Oct 18	16108	39228			Ma	CPD -63° 2528	1 [[/strickethrough]]	[[/strickethrough]] 3	[[/strickethrough]] 2 58.2
Oct 18	16109	39228			[[/strickethrough]] B	[[/strickethrough]] Na?	CPD -63° 2720	13 13.9	-63 33.7
Oct 18	16110	39228			Mb5c	CPD -63° 2507	1 [[/strickethrough]]	[[/strickethrough]] 3	[[/strickethrough]] 2 56.0
Oct 18	16111	39228			Mb	CPD -62° 3243	13 17.2	-62 46.1	9.6
Oct 18	16112	39228			Ma	CPD -61° 4074	13 42.9	-61 30.2	9.1
Oct 18	16113	39228			Br. line	CPD. -61° 3791	13 25.1	-61 40.3	9.6
Oct 18	16114	39228			Br. line	CPD -61° 3753	13 22.6	-61 25.9	9.6
Oct 18	16115	39228			Ma	CPD -60° 4776	13 26.8	-60 46.9	



9.8
Oct 18 | 1611 ~~6~~ 8 | 39228 | | Mb |
CPD -60° 4542 | 13 6.2 | -60 19.7 | 9.2

Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
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Type IV
 Type III
 Type III
 Var. Conf. on B 27327
 Three stars superposed. Wide spectrum. Moving object? Three spectra
 superposed in RA.
 Type III ~~One side has br. line. Defect?~~
 Line crosses & is wider than star on plate. ~~Type III~~
~~Defect? or a host.~~ Three spectra
 superposed in RA
 Type III
 Type III
 X Pavonis
 Type III
 Type III
 Type III
 Type III
 Type III Var ?
 Type III
 Type III
 Type V
 Type III
 Type III
 Type III
 Type IV Var ?
 Type III
 Type III
 Type III
 Type V
 Type V
 Type III
 Type III



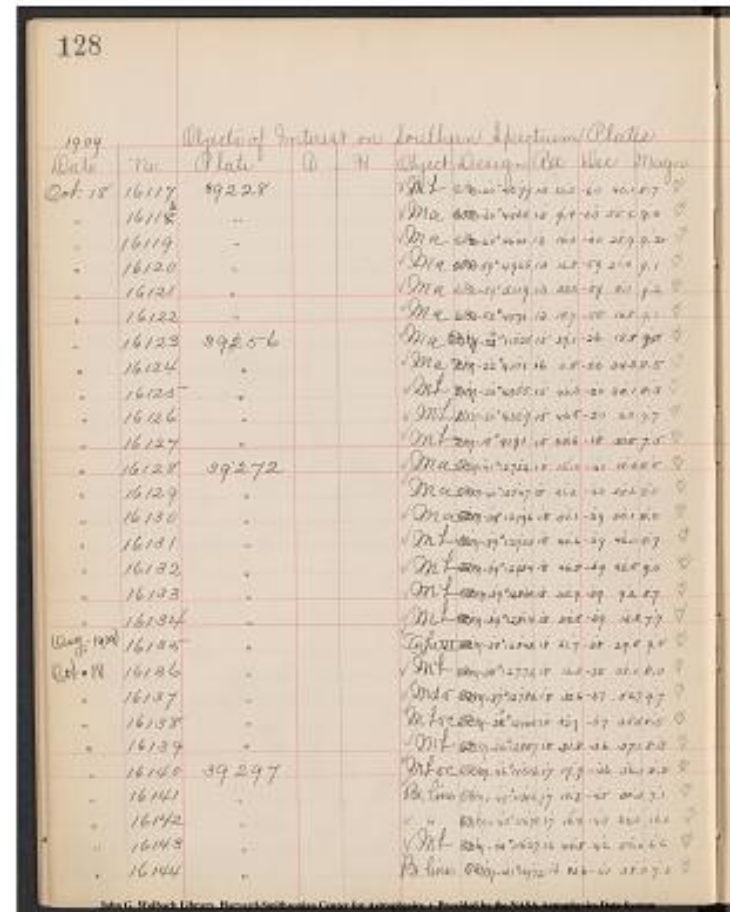
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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

1909

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn.
Oct. 18	16117	39228			Mb CPD-60° 4579	13 10.3	-60 40.1	8.7 v [^] [[w]]	
Oct. 18	16611	[[39228]]			6 39228			Ma CPD-60° 4568	13 9.4
								-60 55.4	9.0 v [^] [[w]]
Oct. 18	16119	39228			Ma CPD-60° 4640	13 16.0	-60 25.9	9.2 v [^] [[w]]	
Oct. 18	16120	39228			Ma CPD-59° 4965	13 16.8	-59 21.0	9.1 v [^] [[w]]	
Oct. 18	16121	39228			Ma CPD-59° 5119	13 33.3	-59 8.0	9.2 v [^] [[w]]	
Oct. 18	16122	39228			Ma CPD-58° 4871	13 18.7	-58 16.8	9.1 v [^] [[w]]	
Oct. 18	16123	39256			Ma CDM-2	[[12732]]	18 15.0	-41 18.3	8.5 v [^] [[w]]
Oct. 18	16124	39256			Ma DM-22° 4101	16 0.8	-22 34.3	8.5 v [^] [[w]]	
Oct. 18	16125	39256			Mb DM-20° 4355	15 46.3	-20 23.1	8.3 v [^] [[w]]	
Oct. 18	16126	39256			Mb DM-20° 4329	15 40.5	-20 0.0	7.7 v [^] [[w]]	
Oct. 18	16127	39256			Mb DM-18° 4191	15 45.6	-18 30.8	7.5 v [^] [[w]]	
Oct. 18	16128	39272			Ma CDM-41° 12732	18 15.0	-41 18.3	8.5 v [^] [[w]]	
Oct. 18	16129	39272			Ma CDM-40° 12547	18 21.2	-40 28.6	8.5 v [^] [[w]]	
Oct. 18	16130	39272			Ma CDM-39° 12796	18 31.1	-39 30.1	8.0 v [^] [[w]]	
Oct. 18	16131	39272			Mb CDM-39° 12925	18 40.6	-39 46.0	8.7 v [^] [[w]]	
Oct. 18	16132	39272			Mb CDM-39° 12984	18 46.8	-39 42.5	9.0 v [^] [[w]]	
Oct. 18	16133	39272			Mb CDM-39° 12860	18 35.9	-39 9.2	8.7 v [^] [[w]]	
Oct. 18	16134	39272			Mb CDM-39° 12814	18 32.5	-39 12.3	7.7 v [^] [[w]]	
Aug. 1909	16135	39272			TgheV CDM-38° 12843	18 21.7	-38 29.5	9.5 v [^] [[w]]	
Oct. 18	16136	39272			Mb CDM-38° 12772	18 16.3	-38 38.0	8.0 v [^] [[w]]	
Oct. 18	16137	39272			Md5 CDM-37° 12782	18 32.6	-37 56.7	9.7 v [^] [[w]]	
Oct. 18	16138	39272			Mb5c CDM-3				
Oct. 18	16139	39272			[[12785]]	18 32.7	-37 35.8	8.5 v [^] [[w]]	
Oct. 18	16140	39297			Mb5c CDM-46° 11516	17 17.9	-46 36.1	8.8 v [^] [[w]]	
Oct. 18	16141	39297			Bi. lines CDM-45° 11392	17 10.3	-45 30.3	7.1 v [^] [[w]]	
Oct. 18	16142	39297			Bi. lines CDM-43° 11673	17 16.4	-43 22.0	10.0 v [^] [[w]]	
Oct. 18	16143	39297			Mb CDM-42° 11627	16 44.8	-42 50.0	6.6 v [^] [[w]]	
Oct. 18	16144	39297			Bi. lines CDM-41° 10972	16 93.6	-41 38.0	7.3 v [^] [[w]]	

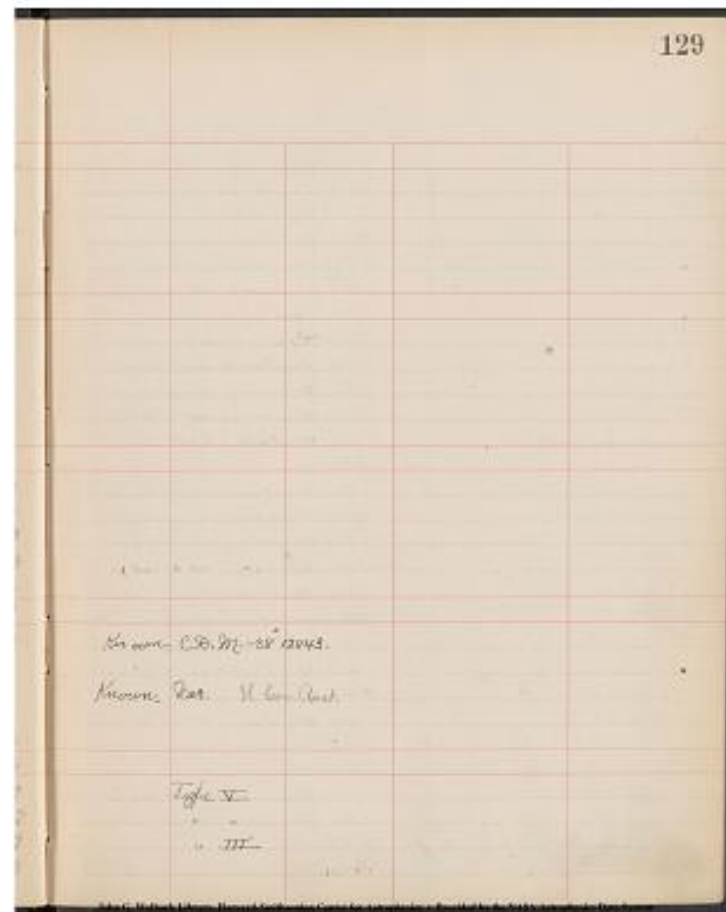


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Known. C.D.M.-38° 12843
Known. Var. U Cor. Aust.

Type V
Type V
Type III



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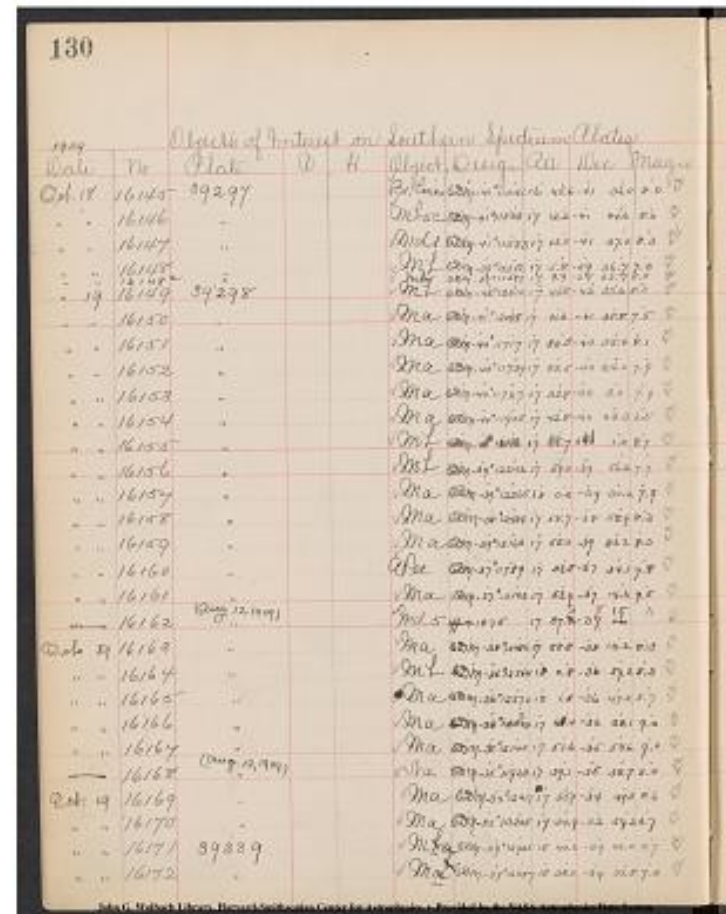
Object of Interest on Southern Spectrum Plates

1909

[[10 Column Table]]

[Date][No][Plate][V][H][Object][Design][RA][Dec][Magn.]

Date	No	Plate	V	H	Object	Design	RA	Dec	Magn.
Oct. 18	16145	39297			Br. lines	CDM -41° 11041	16 45.6	-41 36.0	8.0
Oct. 18	16146	39297			Mb5c	CDM -41° 11503	17 12.2	-41 44.6	8.0
Oct. 18	16147	39297			Md1	CDM -41° 11533	17 13.5	-41 37.0	8.3
Oct. 18	16148	39297			Mb	CDM -39° 11212	17 5.8	-39 36.7	7.0
Oct. 18	16148a	39297			Mb	CDM -39° 11297	17 9.9	-39 23.7	8.0
Oct. 19	16149	39298			Mb	CDM -42° 12510	17 40.8	-42 33.6	8.3
Oct. 19	16150	39298			Ma	CDM -41 12088	17 41.6	-41 35.8	7.5
Oct. 19	16151	39298			Ma	CDM -40° 11717	17 32.5	-40 55.4	8.1
Oct. 19	16152	39298			Ma	CDM -40° 11737	17 33.5	-40 24.0	7.9
Oct. 19	16153	39298			Ma	CDM -40 11727 }	17 32.9	-40 3.0	7.9
Oct. 19	16154	39298			Ma	CDM -40° 11905	17 42.8	-40 44.3	6.5
Oct. 19	16155	39298			Mb	CDM -40° 12116	17 55.7	-40 1.0	8.7
Oct. 19	16156	39298			Mb	CDM -39° 12242	17 59.0	-39 56.2	7.7
Oct. 19	16157	39298			Ma	CDM -39° 12265	18 0.2	-39 30.2	7.9
Oct. 19	16158	39298			Ma	CDM -38° 12484	17 58.7	-38 58.9	8.3
Oct. 19	16159	39298			Ma	CDM -39° 12166	17 55.0	-39 24.2	8.0
Oct. 19	16160	39298			A Pec.	CDM -37° 11789	17 32.5	-37 34.1	7.8
Oct. 19	16161	39298			Ma	CDM -37° 12102	17 53.9	-37 14.6	9.5
Aug 12, 1909	16162	39298			Md5	Approx 1875	17 57.		
Oct. 19	16163	39298			Ma	CDM -38° 12486	17 58.8	-38 13.2	8.3
Oct. 19	16164	39298			Mb	CDM -36° 12264	18 0.8	-36 59.2	8.3
Oct. 19	16165	39298			Ma	CDM -36° 12272	18 1.0	-36 47.2	8.7
Oct. 19	16166	39298			Ma	CDM -36° 120			2
Oct. 19	16167	39298			Ma	CDM -35° 12140	17 51.6	-35 54.6	9.0
Oct. 19	16168	39298			Na	CDM -35° 11923	17 39.1	-35 38.7	8.0
Aug. 12, 1909	16169	39298			Ma	CDM -34° 12417	17 55.9	-34 49.3	8.6



Oct. 19 | 16170 | 39298 | | | Ma | CDM -32° 13208 | 17 34.9 | -32 59.2 |
6.7
Oct. 19 | 16171 | 39339 | | | Mb | CDM -39° 12925 | 18 40.6 | -39 46.0 |
8.7
Oct. 19 | 16172 | 39339 | | | Ma | CDM -39° 12887 | 18 38.0 | -39 51.8 |
7.3

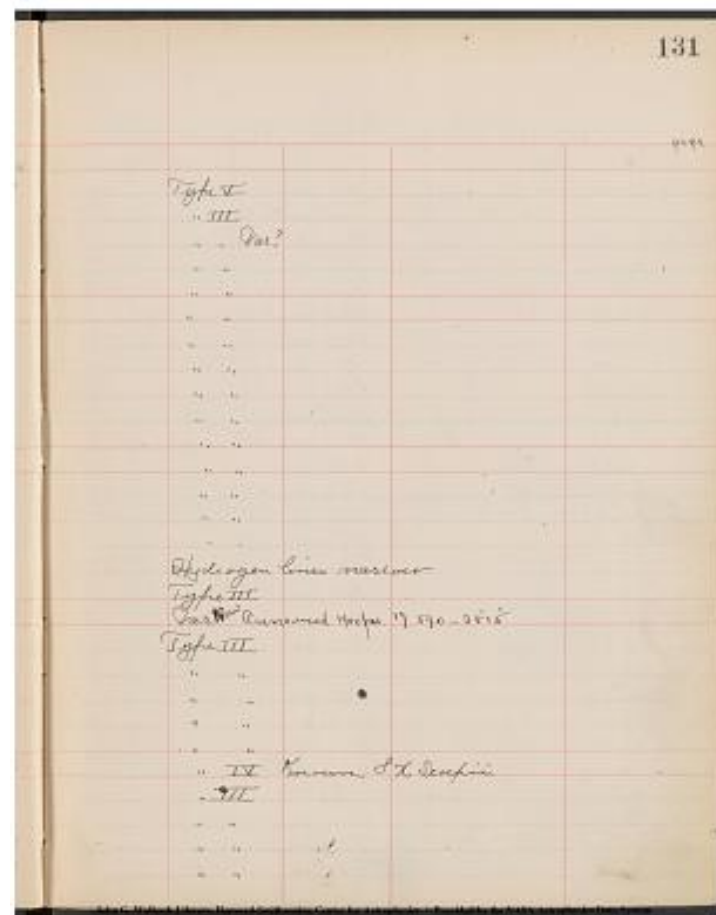
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[[1909]]

[illegible]

Hydrogen lines narrow
Type III
Var. New Announced 1900 per. 17 59.0 - 38°15

var. New Announced 1900
Type III
Type III
Type III
Type III
Type III
Type IV Known SX Scorpj.
Type III
Type III
Type III
Type III



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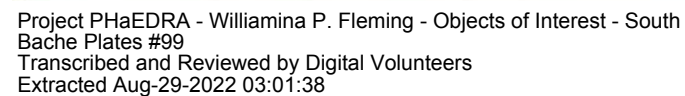
Object of Interest on Southern Spectrum Plates

[[10 column table]]

1909

Date	No	Plate	V	H	Object	Design	PA	Dec	Magn
Oct. 19	16173	39339			Ma	CDM -39° 12814	18 32.5	-39 12.3	
Aug. 12, 1909	16174	39339			Class R	CDM -38° 12843	18 21.7	-38 29.5	9.5
Oct. 19	16175	39339			Mb	CDM -36° 12887	18 31.8	37.1	8.3
Oct. 19	16176	39339			Mb	CDM -35° 12756	18 28.1	-35 32.3	7.5
Oct. 19	16177	39344			Br. Lines	CPD -62° 5141	15 52.8	-62 20.3	8.8
Oct. 19	16178	39344			Mb	CPD -60° 6640	16 37.5	-60 4.8	9.6
Oct. 19	16179	39344			Mb	CPD -60° 6651	16 39.3	-60 2.6	9.4
Oct. 19	16180	39344			Mc	CPD -58° 6787	16 15.2	-58 16.1	9.8
Oct. 19	16181	39344							
Aug. 12, 1909	16182	39344			Ma	CPD -57° 7773	16 7.6	-57 40.4	9.3
Oct. 19	16182	39344			M	[[/strickethrough]] d	[[/strickethrough]] c5d		
					CPD -57° 8032	16 18.7	-57 14.7	9.0	
Oct. 19	16183	39344			Ma	CPD -56° 7270	15 56.3	-56 48.5	9.6
Oct. 19	16184	39344			Ma5b	CPD -56° 7599	16 11.2	-56 30.9	9.0
Oct. 19	16185	39344			Ma	CPD -56° 7851	16 36.8	-56 8.6	9.5
Oct. 19	16186	39344			Br. line	Approx 1875	16 27.6	-55 25	
Oct. 19	16187	39344			Mb5c	CPD -55° 7651	16 32.2	-55 8.1	9.3
Oct. 19	16188	39344			[[/strickethrough]] Ma	[[/strickethrough]] Mb5c			
					CPD -55° 76	[[/strickethrough]] 51	[[/strickethrough]] 43	16	[[/strickethrough]]
						32.2	-55 8.1	9.3	[[/strickethrough]] 31.2
									-55 3.0
									9.0
Oct. 19	16189	39344			Ma	CPD -54° 7388	16 7.9	-54 53.8	8.7
Oct. 19	16190	39344			Ma	CPD -53° 7594	16 7.0	-53 29.7	7.5
Oct. 19	16191	39344			Mb	CPD -53° 7975	16 16.6	-53 8.5	8.9
Oct. 19	16192	39346			Mb	DM -19° 5154	18 37.5	-19 45.0	6.8
Oct. 19	16193	39346			Mb	DM -19° 5134	18 34.4	-19 25.3	6.5
Oct. 19	16194	39346			Mb	DM -19° 5077	18 26.8	-19 22.3	7.0
Oct. 19	16195	39346			Ma	DM -17° 5288	18 32.9	-17 12.3	8.0
Aug. 12	16196	39346			Na?	DM -16° 4904	18 22.0	-16 59.5	9.8
					am but				
Oct. 19	16197	39346			Br. lines	DM -16° 4820	18 12.4	-16 13.6	
					neb.				
Oct. 19	16198	39346			Class R	DM -15° 4923	18 11.0	-15 39.8	9.0
Oct. 19	16199	39346			Ma	DM -15° 5076	18 35.5	-15 24.5	8.7
Oct. 19	16200	39346			Ma	DM -14° 510	[[/strickethrough]] 4	51	
						25.0	-14 26.6	9.5	[[/strickethrough]] 5
									18 25.1
									-14 12.7
									8.7

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1909 Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

[Date|No.|Plate|V|H|Object|Design|RA|Dec.|Magn.]

[-----|-----|-----|-----|-----|-----|-----|-----|-----]

[Oct. 19|16201|39347| | |Ma|DM -22°

51[[/strickethrough]]69[[/strickethrough]]54|19 [[/strickethrough]]28.8

[[/strickethrough]]25.5|-22

[[/strickethrough]]16.1[[/strickethrough]]25.1[[/strickethrough]]8.2[[/strickethrough]]8.8 ^[[w]]]

[Oct. 19|16202|39347| | |Mb|DM -22°

51[[/strickethrough]]54[[/strickethrough]]69|19 [[/strickethrough]]

25.5[[/strickethrough]]28.8|-22

[[/strickethrough]]16.12[[/strickethrough]]25.1[[/strickethrough]]8.2[[/strickethrough]]8.8 ^[[w]]]

[Oct. 19|16203|39347| | |Mb|DM -21° 5435|19 25.4|-21 14.5|9.0 ^[[w]]]

[Oct. 19|16204|39347| | |Md5|DM -19° 5367|19 8.2|-19 33.7|var.

^[[w]]]

[Oct. 19|16205|39347| | |Mb5c|DM -19° 5388|19 9.8|-19 37.0|8.5

^[[w]]]

[Oct. 19|16206|39347| | |Ma|DM -18° 5404|19 23.5|-18 57.5|8.3 ^[[w]]]

[Oct. 19|16207|39347| | |Na|DM -18° 5480|19 38.0|-18 30.2|9.1 ^[[w]]]

[Oct. 19|16208|39347| | |Ma|Approx 1855|19 15.7|-

[[/strickethrough]]16[[/strickethrough]]17[[/strickethrough]]4.8[[/strickethrough]]5 ^[[w]]]

[Aug. 12|16209|39347| | |Na|DM -16° 5360|19 26.0|-16 41.3|7.2 ^[[w]]]

[Oct. 19|16210|39347| | |Na|DM -16° 5272|19 10.9|-16 10.2|6.8 ^[[w]]]

[Oct. 19|16211|39347| | |Ma|DM -16° 5310|19 18.3|-16 11.2|9.0 ^[[w]]]

[Oct. 19|16212|39347| | |Mb|DM -16° 5324|19 20.5|-16 25.4|9.0 ^[[w]]]

[Oct. 19|16213|39347| | |Mc|DM -16° 5332|19 21.4|-16 27.0|9.4 ^[[w]]]

[Oct. 19|16214|39347| | |Mb|DM -16°

[[/strickethrough]]5360[[/strickethrough]]5405|19

[[/strickethrough]]26.0[[/strickethrough]]33.1|-16

[[/strickethrough]]41.3[[/strickethrough]]29.5[[/strickethrough]]9.2[[/strickethrough]]9.3 ^[[w]]]

[Oct. 19|16215|39347| | |Ma|DM -15° 5432|19 33.2|-15 1.5|8.9 ^[[w]]]

[Oct. 19|16216|39347| | |Br. lines|DM -14° 5523|19 35.8|-14 29.5|neb.

^[[w]]]

[Oct. 19|16217|39347| | |Ma|DM -13° 5435|19 32.1|-13 30.7|8.5 ^[[w]]]

[Oct. 19|16218|39347| | |Ma|-13° 5384|19 22.8|-13 15.5|8.8 ^[[w]]]

[Oct. 19|16219|39347| | |Mb|DM -13° 5345|19 17.0|-13 42.9|7.9 ^[[w]]]

[May 21|16220|B39499| | |M[[/strickethrough]]a[[/strickethrough]]b|CDM -36° 13249|18 54.3|-36 50.2|8.0 ^[[w]]]

[May 21|16221|B39499| | |Ma|CDM -36° 13266|18 56.1|-36 17.5|8.3

^[[w]]]

[Oct. 19|16222|B39499| | |[[/strickethrough]]Mb[[/strickethrough]]Cont.|CDM -36° 13199|18 51.1|-36

47.3|neb. ^[[w]]]

[Oct. 19|16223|B39499| | |

[[/strickethrough]]Cont. [[/strickethrough]]Mb|CDM -32° 15117|19 14.7|-32

44.1|8.3 ^[[w]]]

[Oct. 19|16224|B39499| | |Mb|CDM -32° 15110|19 14.4|-32 10.2|7.3

^[[w]]]

[Oct. 19|16225|B39499| | |Mb|CDM -31° 16509|19 8.0|-31 14.1|9.3

^[[w]]]

[Oct. 19|16226|B39499| | |Class R|CDM -31° 16465|19 5.

[[/strickethrough]]3[[/strickethrough]]5|-31 9.3|9.7 ^[[w]]]

Objects of Interest on Southern Spectrum Plates

Date	No.	Plate	V	H	Object Design	RA	Dec.	Magn.
Oct. 19	16201	B3947			Ma	19 25.4	-21 14.5	9.0
"	16202	"			Mb	19 25.4	-21 14.5	9.0
"	16203	"			Mb	19 25.4	-21 14.5	9.0
"	16204	"			Mb	19 25.4	-21 14.5	9.0
"	16205	"			Mb	19 25.4	-21 14.5	9.0
"	16206	"			Mb	19 25.4	-21 14.5	9.0
"	16207	"			Mb	19 25.4	-21 14.5	9.0
"	16208	"			Mb	19 25.4	-21 14.5	9.0
"	16209	"			Mb	19 25.4	-21 14.5	9.0
Oct. 19	16210	"			Na	19 38.0	-18 30.2	9.1
"	16211	"			Ma	19 18.3	-16 11.2	9.0
"	16212	"			Mb	19 20.5	-16 25.4	9.0
"	16213	"			Mc	19 21.4	-16 27.0	9.4
"	16214	"			Mb	19 21.4	-16 27.0	9.4
"	16215	"			Ma	19 33.2	-15 1.5	8.9
"	16216	"			Br. lines	19 35.8	-14 29.5	neb.
"	16217	"			Ma	19 32.1	-13 30.7	8.5
"	16218	"			Ma	19 22.8	-13 15.5	8.8
"	16219	"			Mb	19 17.0	-13 42.9	7.9
May 21	16220	B39499			M	18 54.3	-36 50.2	8.0
"	16221	"			Ma	18 56.1	-36 17.5	8.3
"	16222	"			Cont.	18 51.1	-36 47.3	neb.
"	16223	"			Cont.	19 14.7	-32 44.1	8.3
"	16224	"			Mb	19 14.4	-32 10.2	7.3
"	16225	"			Mb	19 8.0	-31 14.1	9.3
"	16226	"			Class R	19 5.	-31 9.3	9.7

|Oct. 19|16227|B39499| | |Mb|CDM -29°
1623~~1~~~~2~~19
23.~~2~~~~3~~-29
~~45.2~~~~11.1~~~~7.3~~~~gh~~8.4 ^~~m~~
|Oct. 19|16228|B39499| | |Mb|CDM -28° 15685|19 12.8|-28 13.2|8.7
^~~w~~

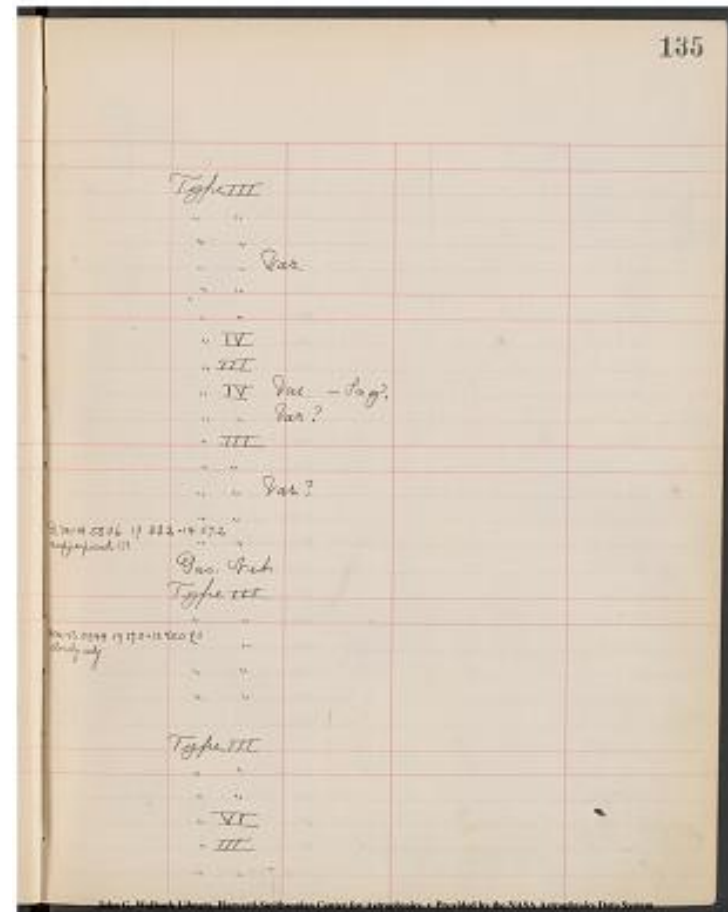
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Type III
 Type III
 Type III
 Type III Var.
 Type III
 Type III
 Type IV
 Type III
 Type IV Var. -Sag.
 Type III Var?
 Type III
 Type III Var
 Type III
 D.M.-14 5506 19 33.2 -14 57.2 superposed (?) Type III
 Gas. Neb.
 Type III
 D.M. -13 5344 19 17.0 -13 45.0, 9.1 closely adj. Type III
 Type III
 Type III

Type III
 Type III
 Type III
 Type IV
 Type III
 Type III



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1909 Objects of Interest on Southern Spectrum Plates


[[10 column table]]

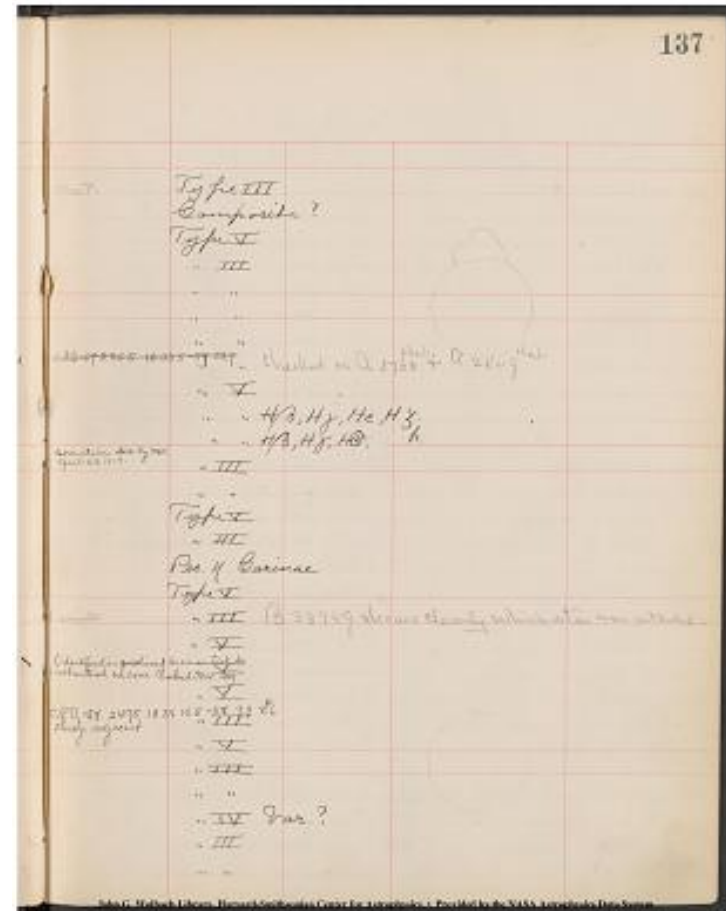
Date 1909 | No. | Plate | V | H | Object | Design. | RA | Dec | Magn.

Oct. 19	16229	39865		Ma	CPD -6 [[strikethrough]] 1			
[[strikethrough]] 2	26.4	9.1						
Oct. 19	16230	39865		Ma	CPD -61° 2011	10 54.6	-61 48.9	8.6
Oct. 19	16231	39865		Br. line	Approx. (1875)	10 46.5	-61 37	
Oct. 19	16232	39865		Ma	CPD -61° 1955	10 49.2	-61 22.5	8.9
Oct. 19	16233	39865		Mb5	CPD -61° 1936	10 48.0	-61 20.7	9.3
Oct. 19	16234	39865		Ma	CPD -60° 1945	10 26.2	-60 42.9	8.6
Oct. 19	16235	39865		Ma	CPD -59° 2101	10 20.0	-59 33.3	9.1
Oct. 19	16236	39865		Mb	CPD -59° 2356	10 33.5	-59 54.0	9.0
Oct. 19	16237	39865		Br. lines	CPD -59° 2548	10 39.1	-59 27.7	6.8
Oct. 19	16238	39865		Br. lines	CPD -59° 2855	10 51.0	-59 43.5	8.7
Oct. 19	16239	39865		Br. lines	CPD -59° 2860	10 51.2	-59 47.1	7.6
Oct. 19	16240	39865		Ma	CPD -59° [[strikethrough]] 3217	10 8.3	-59 21.8	9.8
Oct. 19	16241	39865		Ma	CPD -57° 3987	10 50.4	-57 57.2	9.2
Oct. 19	16242	39865		Br. lines	CPD -58° 2845	10 48.7	-58 50.8	9.8
Oct. 19	16243	39865		Mb	CPD -58° 2683	10 41.0	-58 49.9	9.0
Oct. 19	16244	39865		Br. lines	CPD -59° 2620	10 40.2	-59 1.6	8.4
Oct. 19	16245	39865		Br. lines	CPD -59° 2561	10 39.4	-59 3.9	8.6
Oct. 19	16246	39865		Mb	CPD -58° 2560*	10 37.3	-58 54.2	9.2
Oct. 19	16247	39865		Br. lines	CPD -59° 2450	10 36.5	-59 1.5	6.8
Oct. 19	16248	39865		Br. lines	CPD -58° 2205	10 22.0	-58 0.4	9.2
Oct. 19	16249	39865		Br. lines	CPD -58° 2546	10 36.8	-58 7.2	8.8
Oct. 19	16250	39865		Ma	CPD -58° 2474	10 34.2	-58 10.0	8.4
Oct. 19	16251	39865		Br. lines	Approx. (1875)	10 54.8	-57 8	
Oct. 19	16252	39865		Mb	CPD -57° 4405	11 6.6	-57 44.6	8.3
Oct. 19	16253	39865		Mb	CPD -57° 4555	11 13.2	-57 30.1	8.4
Oct. 19	16254	39865		Na	CPD -57° 4494	1 [[strikethrough]] 0		
[[strikethrough]] 1	10.2	-57 14.8	10.0					

Oct. 19 | 16255 | 39865 | | | Ma | CPD -56° 3829 | 10 42.8 | -56 50.1 |
9.4
Oct. 19 | 16256 | 39865 | | | Ma | CPD -55° 4084 | 10 57.5 | -55 36.0 |
9.4

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Mrs. F. Type III
 Composite ?
 Type V
 Type III
 Type III
 Type III 
 Type III
 Type III[^] ~~[[[C.P.D. -59 2355 10 33.5 -59 53.9~~
~~]]]] checked on A 5768 [[+ ?]] A 2549[^][[spect. chart]]~~
 Type V
 Type V H beta, H gamma, H epsilon, H zeta
 Type V H beta, H gamma, H delta, h.
 Correction did by MK April 23, 1917. Type III
 Type III
 Type V
 Type III
 Pec. eta Carinae
 Type V
~~[[[Mrs. F. Type III B 38749 shows clearly~~
~~which star was intended.~~
 Type V
 (Identification questioned because Cat. No. not entered on cover.
 Checked Nov. 1910.) Type V
 Type V
 Closely adjacent Type III[^][[C.P.D. -58 2475 10 34 15.5 -58 9.9
~~8.6[^][[M]]]]~~
 Type V
 Type III
 Type III
 Type IV Var. ?
 Type III
 Type III



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[[10 columned table]]

[Date][No][Plate][U][H][Object][Design][RA][Dec][Mag]

Oct. 19	16257	39865			[Mb]CDM-55° 4075	10 56.8	-55 14.4	9.3	^[[w]]
Oct. 19	16258	39865			[Ma]CDM-55° 4046	10 55.0	-55 10.5	9.2	^[[w]]
Oct. 19	16259	39865			[Ma]CDM-54° 3991	10 39.2	-54 53.9	9.0	^[[w]]
Oct. 19	16260	39865			[Mb]CDM-53° 3758	10 19.8	-53 41.2	8.0	^[[w]]
Oct. 19	16261	39865			[Ma]CDM-52° 3887	10 40.6	-52 58.3	8.7	^[[w]]
Oct. 19	16262	39870			[Ma]CDM-72° 959	10 24.0	-72 31.8	8.1	^[[w]]
Oct. 19	16263	39870			[Mb]CDM-71° 1114	10 40.6	-71 24.4	8.8	^[[w]]
Oct. 19	16264	39870			[Mb]CDM-70° 1108	10 26.8	-70 14.8	8.4	^[[w]]
Oct. 19	16265	39870			[Ma]CDM-68° 1220	10 31.4	-68 42.1	8.4	^[[w]]
Oct. 19	16266	39870			[Ma]CDM-67° 1454	10 37.5	-67 3.3	9.2	^[[w]]
Oct. 19	16267	39870			[Mb]CDM-66° 1507	10 58.3	-66 27.2	9.1	^[[w]]
Aug. 11	16268	39870			[Br. Lines]CDM-64° 1629	11 1.1	-64 50.1	8.3	^[[w]]
Oct. 19	16269	39907			[Br. Lines]CDM-57° 5981	13 10.7	-57 28.6	8.6	^[[w]]
Oct. 19	16270	39907			[Class R.]CDM-53° 5658	13 24.9	-53 11.1	9.4	^[[w]]
Oct. 19	16271	39907			[Ma]CDM-52° 6276	13 4.4	-52 8.8	8.4	^[[w]]
Oct. 19	16272	39907			[Mb]CDM-52° 6139	12 56.9	-52 13.3	8.4	^[[w]]
Oct. 19	16273	39907			[Ma]CDM-51° 7248	12 58.2	-51 26.6	6.9	^[[w]]
Aug. 11	16274	39907			[A Pec.]CDM-51° 7465	13 14.7	-51 32.0	6.5	^[[w]]
Oct. 19	16275	39919			[Na]CDM-42° 2818	6 50.3	-42 12.6	6.7	^[[w]]
Oct. 20	16276	39919			[Mb]CDM-36° 3658	7 25.0	-36 26.2	7.7	^[[w]]
Oct. 20	16277	39919			[Ma]CDM-35° 3334	7 0.8	-35 45.0	7.3	^[[w]]
Oct. 8	16278	40276			[mkd. on B 31327]	10 1.8	-39 50.1	9.0	^[[w]]
Oct. 20	16279	40276			[Mc]CDM-40° 5653	9 53.1	-40 9.6	9.0	^[[w]]
Oct. 20	16280	40276			[Na]CDM-38° 6579	10 29.7	-38 55.0	5.9	^[[w]]
Aug. 11	16281	40276			[Br. Lines]CDM-39° 6137	10 1.8	-39 50.1	9.0	^[[w]]
Oct. 20	16282	40276			[Mb]CDM-36° 6399	10 21.6	-36 34.4	8.0	^[[w]]
Oct. 20	16283	40276			[Na]CDM-34° 6528	10 6.4	-34 42.8	7.1	^[[w]]
Oct. 20	16284	40276			[Ma]CDM-34° 6518	10 5.9	-34 34.2	8.5	^[[w]]

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1909 Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

[Date|No.|Plate|V|H|Object|Design.|RA|Dec. Mag.]

Date	No.	Plate	V	H	Object	Design.	RA	Dec.	Mag.
Oct. 20	16285	34909			Br. lines	CPD -64° 1629	10 11	8.3	9.1
Oct. 20	16286	39905			Br. lines	CPD -64° 1310	10 25.0	-64 32.2	8.6
Oct. 20	16287	39905			Ma	CPD -60° 1945	10 26.2	-60 42.9	8.6
Oct. 20	16288	39905			Ma	CPD -60° 1873	10 18.6	-60 2.4	9.1
Oct. 20	16289	39905			Mb	CPD -59° 2059	10 16.1	-59 49.5	9.2
Aug. 12	16290	39905			Br. lines	CPD -60° 1719	10 6.4	-60 2.0	9.4
Oct. 20	16291	39905			Br. lines	CPD -59° 2548	10 39.1	-59 27.7	6.8
Oct. 20	16292	39905			Br. lines	CPD -59° 2620	10 40.2	-59 1.6	8.4
Oct. 20	16293	39905			Br. lines	CPD -59° 2561	10 39.4	-59 3.9	8.6
Oct. 20	16294	39905			Br. lines	CPD -59° 2450	10 36.5	-59 1.5	6.8
Oct. 20	16295	39905			Ma	CPD -58° 2683	10 41.0	-58 49.9	9.0
Oct. 20	16296	39905			Br. lines	CPD -58° 2546	10 36.8	-58 7.2	8.8
Oct. 20	16297	39905			Ma	CPD -58° 2475	10 34.3	-58 34.2	5.8
Oct. 20	16298	39905			Mb	CPD -58° 197	10 7.3	-58 12.8	8.2
Oct. 20	16299	39922			Ma	CDM -42° 6056	10 8.8	-42 38.6	8.9
Oct. 20	16300	39922			Mc5d	CDM -41° 5381	9 45.0	-41 26.7	8.7
Oct. 20	16301	39922			Mb5c	CDM -40° 5653	9 53.1	-40 9.6	9.0
Aug. 12	16302	39922			Br. lines	CDM -39° 6137	10 1.8	-39 50.1	9.0
Oct. 20	16303	39922			Mb5c	CDM -39° 617	10 4.3	-39 25.6	10.0
Oct. 20	16304	39922			Mb	CDM -37° 6493	10 16.6	-37 33.4	9.0
Oct. 20	16305	39922			Mb5c	CDM -37° 62	10 11	-37 30	10
Oct. 20	16306	39922			Ma	CDM -36° 6112	9 58.5	-36 39.6	9.2
Oct. 20	16307	39922			Mb	CDM -36° 6399	10 21.6	-36 34.4	8.0
Oct. 20	16308	39922			Na	CDM -34° 6528	10 6.4	-34 42.8	7.1
Oct. 20	16309	39926			Mb	CDM -36° 6399	10 21.6	-36 34.4	8.0

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Objects of Interest on Southern Spectrum Plates

Date	No.	Plate	V	H	Object	Design.	RA	Dec.	Mag.
Oct. 20	16285	34909			Br. lines	CPD -64° 1629	10 11	8.3	9.1
"	16286	39905			Br. lines	CPD -64° 1310	10 25.0	-64 32.2	8.6
"	16287	39905			Ma	CPD -60° 1945	10 26.2	-60 42.9	8.6
"	16288	39905			Ma	CPD -60° 1873	10 18.6	-60 2.4	9.1
"	16289	39905			Mb	CPD -59° 2059	10 16.1	-59 49.5	9.2
"	16290	39905			Br. lines	CPD -60° 1719	10 6.4	-60 2.0	9.4
"	16291	39905			Br. lines	CPD -59° 2548	10 39.1	-59 27.7	6.8
"	16292	39905			Br. lines	CPD -59° 2620	10 40.2	-59 1.6	8.4
"	16293	39905			Br. lines	CPD -59° 2561	10 39.4	-59 3.9	8.6
"	16294	39905			Br. lines	CPD -59° 2450	10 36.5	-59 1.5	6.8
"	16295	39905			Ma	CPD -58° 2683	10 41.0	-58 49.9	9.0
"	16296	39905			Br. lines	CPD -58° 2546	10 36.8	-58 7.2	8.8
"	16297	39905			Ma	CPD -58° 2475	10 34.3	-58 34.2	5.8
"	16298	39905			Mb	CPD -58° 197	10 7.3	-58 12.8	8.2
"	16299	39922			Ma	CDM -42° 6056	10 8.8	-42 38.6	8.9
"	16300	39922			Mc5d	CDM -41° 5381	9 45.0	-41 26.7	8.7
"	16301	39922			Mb5c	CDM -40° 5653	9 53.1	-40 9.6	9.0
"	16302	39922			Br. lines	CDM -39° 6137	10 1.8	-39 50.1	9.0
"	16303	39922			Mb5c	CDM -39° 617	10 4.3	-39 25.6	10.0
"	16304	39922			Mb	CDM -37° 6493	10 16.6	-37 33.4	9.0
"	16305	39922			Mb5c	CDM -37° 62	10 11	-37 30	10
"	16306	39922			Ma	CDM -36° 6112	9 58.5	-36 39.6	9.2
"	16307	39922			Mb	CDM -36° 6399	10 21.6	-36 34.4	8.0
"	16308	39922			Na	CDM -34° 6528	10 6.4	-34 42.8	7.1
"	16309	39926			Mb	CDM -36° 6399	10 21.6	-36 34.4	8.0

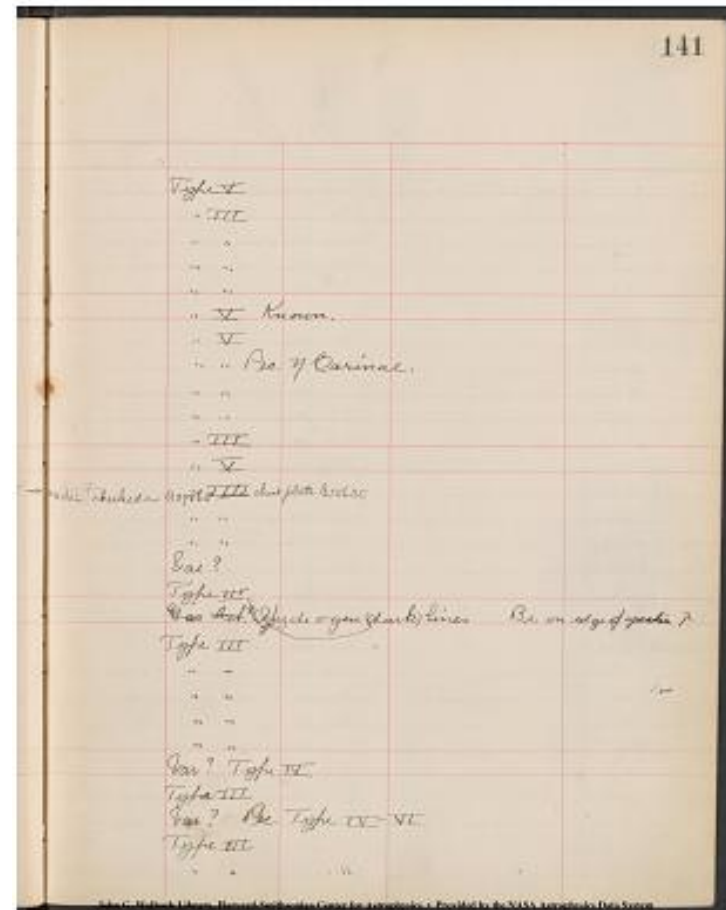
^{[[w]]}
 Aug. 12|16310|39926| | Na|CDM -34° 6528|10 6.4|-34 42.8|7.1
^{[[w]]}
 Oct. 20|16311|39926| | Ma|CDM ~~[[strikethrough]]~~ -
~~3~~~~[[strikethrough]]~~4~~[[strikethrough]]~~3~~[[strikethrough]]~~4°
~~[[strikethrough]]~~6951~~[[strikethrough]]~~6713~~[[strikethrough]]~~10
~~20.0~~~~[[strikethrough]]~~10 21.0~~[[strikethrough]]~~ -
~~3~~~~[[strikethrough]]~~4~~[[strikethrough]]~~3~~[[strikethrough]]~~4
~~[[strikethrough]]~~8.3~~[[strikethrough]]~~4.0~~[[strikethrough]]~~8.5
~~[[strikethrough]]~~8.3 _m~~[[strikethrough]]~~
 Oct. 20|16312|39926| | Ma|CDM -31° 8102|10 10.2|-31 33.9|7.7
^{[[w]]}

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Type V
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 Type III
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 Type III
 Type V Known
 Type V
 Type III Pec. eta Carinae
 Type III
 Type III
 Type III
 Type V
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 Type III chart plate B 15635.
 Type III
 Type III
 Var?
 Type III
~~Gas. Neb.~~ ~~Strong dark hydrogen lines.~~
 Br. on edge of greater lambda
 Type III
 Type III
 Type III
 Type III
 Type III
 Var? Type IV
 Type III
 Var? Pec. Type IV-VI.
 Type III
 Type III

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1909 Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

[Date|No|Plate|V|H|Object|Design|RA|Dec|Mag|

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

Oct 20|16313|39926| | |Mc5d|CDM-29°8040^[[8039]]|9 57.5|-29

51.0^[[56.8]]|9.1^[[9.5]]|

| Oct 20|16314|39931| |

[[[strikethrough]]Na[[/strikethrough]]^[[ma]]|CDM-49° 4733|9 45.7|-49

51.1|7.8 ^[[w]]|

| Oct 20|16315|39931| | |Br. Line|CDM-49°|4218|9 9.0|-49| 35.5|9.9

^[[w]]|

| Aug. 12|16316|39931| | |Md10|CDM-48° 465|[[strike

through]]9[[/strike through]]8|9 19.5|-48

20.0[[[strikethrough]]9[[/strikethrough]]|0 10.0 ^[[w]]|

| Oct. 20|16317|39931| | |Mb|CDM-46°5512|9 42.9|-46 3.8|9.7 ^[[w]]|

| Oct. 20|16318|39931| | |Mb5c|CDM-44°5574|9 28.5|-44 57.8|8.3

^[[w]]|

| Oct. 20|16319|39931| | |Mb|CDM-44°5460|9 20.4|-44 50.2|8.1^[[w]]|

| Oct. 20|16320|39931| | |Mb|CDM-43°5262|9 20.4|-43 26.4|7.2^[[w]]|

| Oct. 20|16321|39936| | |Ma|CDM-27°3697|7 4.7|-27 40.6|8.0^[[w]]|

| Oct. 20|16322|39936| | |Mb5c|CDM-26°3529|6 48.0|-26

48.1|7.0^[[w]]|

| Oct. 20|16323|39936| | |M[[[strikethrough]]b[[/strikethrough]]a|CDM-

26°331[[[strikethrough]]3[[/strikethrough]]|9|6

[[[strikethrough]]37.8[[/strikethrough]]|38.1|-

26|0.3|8.0[[[strikethrough]]8[[/strikethrough]]|0 ^[[w]]|

| Oct. 20|16324|39936| | |Ma|CDM-24°4356|6 38.0|-24 19.1|9.6 ^[[w]]|

| Aug. 6|16325|39936| | |Md7|CDM-23°4628|6 51.6|-23 48.5|9.4 ^[[w]]|

| Oct. 20|16326|39936| | |Type V|CDM-23°4553|6 49.0|-23 46.2|7.5

^[[w]]|

| Oct. 20|16327|39936| | |Mb5c|DM-22°[[[strikethrough]]1696|[[strike

through]]1702|[[[strikethrough]]6 59.8|[[/strikethrough]]7 0.3|-22

[[[strikethrough]]51.6|[[/strikethrough]]52.3|[[[strikethrough]]9.0|[[/strikethrou

gh]]8.5W ^[[w]]|

| Oct. 20|16328|39936| | |Ma|DM-22°1514|6 38.1|-22 18.9|8.4 ^[[w]]|

| Oct. 20|16329|39936| | |Mb|DM-22°1474|6 30.8|-22 8.9|8.3 ^[[w]]|

| Oct. 20|16330|39936| | |Ma|DM-20°1660|6 53.0|-20 58.5|8.5 ^[[w]]|

| Jan. 21 1910|16331|40935| | |Ma|CDM-50°270|0 54.3|-50 25.5|7.5

^[[w]]|

| Jan. 21 1910|16332|40935| | |Ma|CDM-48°259|0 58.8|-48

36.8|6.8^[[w]]|

| Jan. 21 1910|16333|40936| | |Ma|CDM-49°754|2 40.6|-49

11.9|7.5^[[w]]|

| Jan. 21 1910|16334|40936| | |Ma|CDM-47°849|2 41.0|-47

5.2|8.3^[[w]]|

| Jan. 21 1910|16335|40938| | |Ma|CDM-54°

939[[[strikethrough]]3[[/strikethrough]]|1|19

22.0[[[strikethrough]]2[[/strikethrough]]|0-54 25.3|7.8 ^[[w]]|

| Jan. 21 1910|16336|40938| | |Mb|CDM-53°9602|19 26.1|-53 16.6|7.8

^[[w]]|

| Jan. 21 1910|16337|40938| | |Mb5c|CDM-49°12950|19 51.4|-

49|56.8|6.8 ^[[w]]|

| Jan. 21 1910|16338|40939| | |Ma|CDM-42°15034|20 33.0|-42

34.4|6.4 ^[[w]]|

| Jan. 21 1910|16339|40940| | |Mb5c|CDM-40°14882|22

36.0[[[strikethrough]]2[[/strikethrough]]|3|-40 46.9|7.3 ^[[w]]|

Objects of Interest on Southern Spectrum Plates

Date	No	Plate	V	H	Object	Design	RA	Dec	Mag
Oct 20	16313	39926			Mc5d	CDM-29°8040	9 57.5	-29 51.0	56.8
"	16314	39931			Na	CDM-49° 4733	9 45.7	-49 51.1	7.8
Aug 12	16316				Md10	CDM-48° 465	19 19.5	-48 20.0	
Oct 20	16317				Mb	CDM-46°5512	9 42.9	-46 3.8	9.7
"	16318				Mb5c	CDM-44°5574	9 28.5	-44 57.8	8.3
"	16319				Mb	CDM-44°5460	9 20.4	-44 50.2	8.1
"	16320				Mb	CDM-43°5262	9 20.4	-43 26.4	7.2
"	16321	39936			Ma	CDM-27°3697	7 4.7	-27 40.6	8.0
"	16322				Mb5c	CDM-26°3529	6 48.0	-26 48.1	7.0
Oct 20	16323				M	CDM-26°331	9 37.8	-26 38.1	
Oct 20	16324				Ma	CDM-24°4356	6 38.0	-24 19.1	9.6
Aug 6	16325				Md7	CDM-23°4628	6 51.6	-23 48.5	9.4
Oct 20	16326				Type V	CDM-23°4553	6 49.0	-23 46.2	7.5
Oct 20	16327				Mb5c	DM-22°1696	19 51.6	-22 17.0	
"	16328				Ma	DM-22°1514	6 38.1	-22 18.9	8.4
"	16329				Mb	DM-22°1474	6 30.8	-22 8.9	8.3
"	16330				Ma	DM-20°1660	6 53.0	-20 58.5	8.5
Jan 21 1910	16331	40935			Ma	CDM-50°270	0 54.3	-50 25.5	7.5
"	16332				Ma	CDM-48°259	0 58.8	-48 36.8	6.8
"	16333				Ma	CDM-49°754	2 40.6	-49 11.9	7.5
"	16334				Ma	CDM-47°849	2 41.0	-47 5.2	8.3
"	16335				Ma	CDM-54°939	19 51.4	-54 22.0	
"	16336				Mb	CDM-53°9602	19 26.1	-53 16.6	7.8
"	16337				Mb5c	CDM-49°12950	19 51.4	-49 56.8	6.8
"	16338				Ma	CDM-42°15034	20 33.0	-42 34.4	6.4
"	16339				Mb5c	CDM-40°14882	22 36.0	-40 46.9	7.3

|Jan. 21 1910|16340|40940| | |Ma|CDM-
35°1539~~3~~~~0~~22
27.~~3~~~~1~~-35
~~19.0~~~~29.4~~~~7.0~~
gh]8.4 ^[[w]]

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Q. Due? Probably due to two different surfaces. See Dec 17

Done

Page 10 on Jan 1st

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Figures

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David L. Anderson, Harvard, Calif.

.....

DRA - William
#99

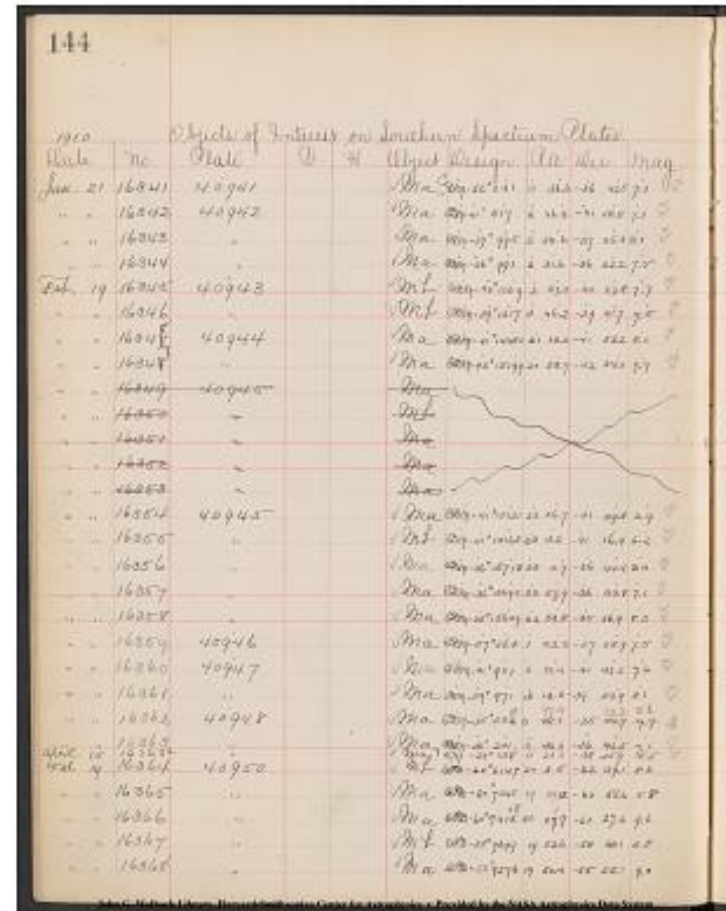
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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date 1910 | No. | Plate | V | H | Object | design. | RA | Dec. | Magn.

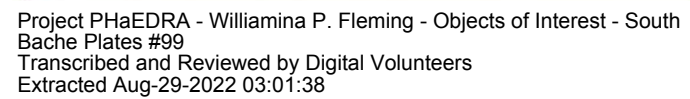
Jan 21	16341	40941			Ma	DM -36° 241	0 36.6	-36 42.5	7.1
Jan 21	16342	40942			Ma	CDM -41° 817	2 46.4	-41 28.8	7.1
Jan 21	16343	40942			Ma	CDM -37° 995	2 34.6	-37 25.4	8.1
Jan 21	16344	40942			Ma	CDM -36° 991	2 31.6	-36 22.2	7.5
Feb 19	16345	40943			Mb	CDM -40° 1109	3 47.0	-40 27.8	7.7
Feb 19	16346	40943			Mb	CDM -39° 1217	3 46.2	-39 21.7	7.5
Feb 19	1634	40943	7	8	Ma	CDM -41° 14480	21 13.3	-41 53.2	8.0
Feb 19	1634	40943	7	8	Ma	CDM -42° 15199	20 53.7	-42 34.0	7.7
Feb 19	16349	40945			Ma				
Feb 19	16350	40945			Mb				
Feb 19	16351	40945			Ma				
Feb 19	16352	40945			Ma				
Feb 19	16353	40945			Ma	CDM -41° 15121	22 56.7	-41 29.8	6.9
Feb 19	16354	40945			Ma				
Feb 19	16355	40945			Mb	CDM -41° 15163	23 3.2	-41 16.4	6.2
Feb 19	16356	40945			Ma	CDM -36° 15718	23 0.7	-36 44.4	8.0
Feb 19	16357	40945			Ma	CDM -36° 15693	22 57.9	-36 33.8	7.1
Feb 19	16358	40945			Ma	CDM -35° 15609	22 53.8	-35 26.9	8.3
Feb 19	16359	40946			Ma	CDM -37° 564	1 23.2	-37 28.9	7.5
Feb 19	16360	40947			Ma	CDM -41° 981	3 18.4	-41 42.3	7.6
Feb 19	16361	40947			Ma	CDM -39° 971	3 13.0	-39 24.9	8.1
Feb 19	16362	40948			Ma	CDM -35° 30	44.7	32.2	8.6
Feb 19	16363	40948			Ma	CDM -36° 241	0 36.6	-36 42.5	7.1
April 15	16363a	40948			Ma?	CDM -38° 138	0 23.0	-38 35.9	18.5
Feb 19	16364	40950			Mb	CPD -62° 6147	20 3.5	-62 39.1	8.6
Feb 19	16365	40950			Ma	CPD -60° 7348	19 47.2	-60 55.2	8.8
Feb 19	16366	40950			Ma	CPD -60° 74	15	1.7	27.4
Feb 19	16367	40950			Mb	CPD -58° 7699	19 52.6	-58 48.1	8.8
Feb 19	16368	40950			Ma	CPD -55° 9276	19 50.4	-55 55.1	9.0



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Objects of Interest on Southern Spectrum Plates

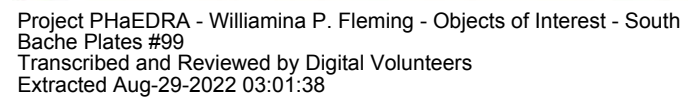
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1910

Date	No	Plate	V	H	Object	Design	RA	Dec	Mag.
Feb. 19	16369	40950			Ma	CPD -53° 9799	19 58.6	8.4	
Feb. 19	16370	40951			Mb	CPD -62° 6348	22 24.5	-62 37.3	6.9
Feb. 19	16371	40951			Ma	CPD -60° 765	[[strikethrough]]	8	
Feb. 19	16372	40951			Ma	CPD -57° 10120	22 33.3	-57 40.7	7.9
Feb. 19	16373	40951			Mc5d	CPD -58° 8021	22 49.4	-58 4.0	8.0
Feb. 19	16374	40951			Ma5b	CPD -57° 10182	22 55.8	-57 31.0	8.6
Feb. 19	16375	40951			Ma	CPD -56° 10004	23 0.4	-56 49.1	8.5
Feb. 19	16376	40951			Mb5c	CPD -55° 9907	22 42.3	-55 53.7	7.8
Feb. 19	16377	40952			Ma	CPD -59° 67	0 57.4	-59 51.9	9.0
Feb. 19	16378	40952			Ma	CPD -58° 90	1 10.2	-58 41.3	9.4
Feb. 19	16379	40952			Ma	CPD -58° 48	0 41.0	-58 43.8	8.2
Feb. 19	16380	40952			Mb	CPD -58° 51	0 44.	[[strikethrough]]	5
Feb. 19	16381	40952			Ma	CPD -57° 123	0 30.8	-57 47.0	8.8
Feb. 19	16382	40952			Ma	CPD -56° 256	1 9.9	-56 17.6	8.0
Feb. 19	16383	40952			Md	CPD -56° 277	1 14.8	-56 34.5	9.5
Feb. 19	16384	40952			Ma	[[strikethrough]]			
Feb. 19	16385	40953			Ma	CPD -62° 255°254	3 3.2	-62 31.8^33.0	9.1^9.0
Feb. 19	16386	40953			Ma	CPD -62° 268	3 18.8	-62 31.3	8.2
Feb. 19	16397	40953			Ma	CPD -59° 251	3 0.5	-59 43.6	9.0
Feb. 19	16388	40953			Mb	CPD -59° 250	3 0.4	-59 25.2	8.4
Feb. 19	16389	40953			Na?	CPD -57° 513	3 9.4	-57 47.3	7.4
Feb. 19	16390	40953			Ma	CPD -57° 502	3 5.2	-57 29.2	9.4
Feb. 19	16391	40953			Ma	CPD [[strikethrough]] M			
Feb. 19	16392	41000			Ma	CDM -49° 754	2 40.6	-49 11.9	7.5
Feb. 19	16393	41000			Ma	CDM -46° 769	2 33.2	-46 9.8	8.6
Feb. 19	16394	41001			Ma	CDM -51° 975	[[strikethrough]]	4	
Feb. 19	16395	41001			Md4	CDM -49° 1439	4 42.8	-49 28.3	7.8
Feb. 19	16396	41001			Ma	CDM -43° 1472	4 30.1	-43 47.1	8.5

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Type III
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Type III Var?
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Type III
Type III
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Type III
Type III
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Type III
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Type III Var.
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Type III
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Type IV Rec.
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Type III Var
Type III



Objects of Interest on Southern Spectrum Plates

1910

Date | No | Plate | V | H | Object | Design | R.A. | Dec. | Mag.

Feb. 19 | 16397 | 41001 | | | [[check
mark]]Ma|CDM-43° 1466|4 28.7|-43 42.0|8.0
[[symbol - w check mark]]]Feb. 19 | 16398 | 41 013 | | | [[check
mark]]Ma|CPD-

53°68[[strikethrough]]8[[/strikethrough]]6|4

[[strikethrough]]18.0[[/strikethrough]]16.9|-53

[[strikethrough]]14.5[[/strikethrough]]15.3|

[[strikethrough]]9.2[[/strikethrough]]8.9 ^

Feb. 19 | 16399 | 41 013 | | | [[checkmark]]Mc5d|CDM-51°

1123|4 22.0|-51 45.3|9.3 [[symbol- M V]]

Feb. 19 | 16400 | 41 013 | | | [[check

mark]]Ma|CDM-50° 1314|

| 4 10.2|-50 54.1|8.4 [[symbol-V W]

Feb. 19 | 16401 | 41 013 | | | [[check

mark]]Ma|CDM-50° 1320|4

11.0|-50 44.2|8.4 [[symbol-w V]]]

Feb. 19 | 16402 | 41 013 | | | [[check

mark]]Md4|CDM-49° 1439|4 42.8|-49 28.3|7.8 [[symbol-w V]]]

Nov. 26 | 16403 | 41612 | | | [[check

mark]]Ma|CPD[[strikethrough]]M

[[/strikethrough]]-54° 9371|19 17.8|-54

34.2|7.2]

Nov. 26 | 16404 | 41612 | | | [[check

mark]]Mb5|CPD[[strikethrough]]M

[[/strikethrough]]-53 9602|19 26.1|-53 16.6|7.8]

Nov. 26 | 16405 | 41612 | | | [[check mark]]Ma|CPD-

53° 9713|19 43.5|-53 24.3|7.5]

Nov. 26 | 16406 | 41612 | | | [[check mark]]Ma5|

CDM-51° 12077|19 15.5|-51 20.3|7.5]

Nov. 26 | 16407 | 41612 | | | [[check mark]]Ma|CDM-49° 12853|19 39.4|-

49 49.8|8.0]

Nov. 26 | 16408 | 41612 | | | [[check mark]]Mb|CDM-

49° 12950|19 51.4|-49 56.8|6.8]

Nov. 26 | 16409 | 41613 | | | [[check

mark]]N[[?]]a|CDM-45° 14302|

[[strikethrough]]19[[/strikethrough]]21 11.9|

-45 32.8|6.0]

Nov. 28 | 16410 | 41585 | | | [[check mark]]

Pec.|CDM -44° 8539|13 9.3|-44 2.5|7.5]

Nov. 28 | 16411 | 41576 | | | [[check mark]]Ma|CDM- 50° 13093|20 33.0|-

50 42.2|7.7]

Nov. 28 | 16412 | 41576 | | | [[check mark]]Ma|CDM

CDM-51° 12495|20 12.4|-51 10.3|7.5]

Nov. 28 | 16413 | 41577 | | | [[check mark]]Pec.|

CDM -4[[strikethrough]]9[[/strikethrough]]

4° 8539|13 9.3|-44 2.5|7.5]

Nov. 28 | 16414 | 41579 | | | [[check mark]]Br.

line|DM -19° 4854|17 59.4|-19 24.8|9.6]

Nov. 28 | 16415 | 41794 | | | [[check mark]]Ma5|CDM

-51° 13379|22 39.1|-51 42.5|7.6]

Nov. 28 | 16416 | 41794 | | | [[check mark]]Ma|CDM

-51° 13342|22 31.8|-51 19.6|7.7]

Nov. 28 | 16417 | 41794 | | | [[check mark]]Mb|CDM

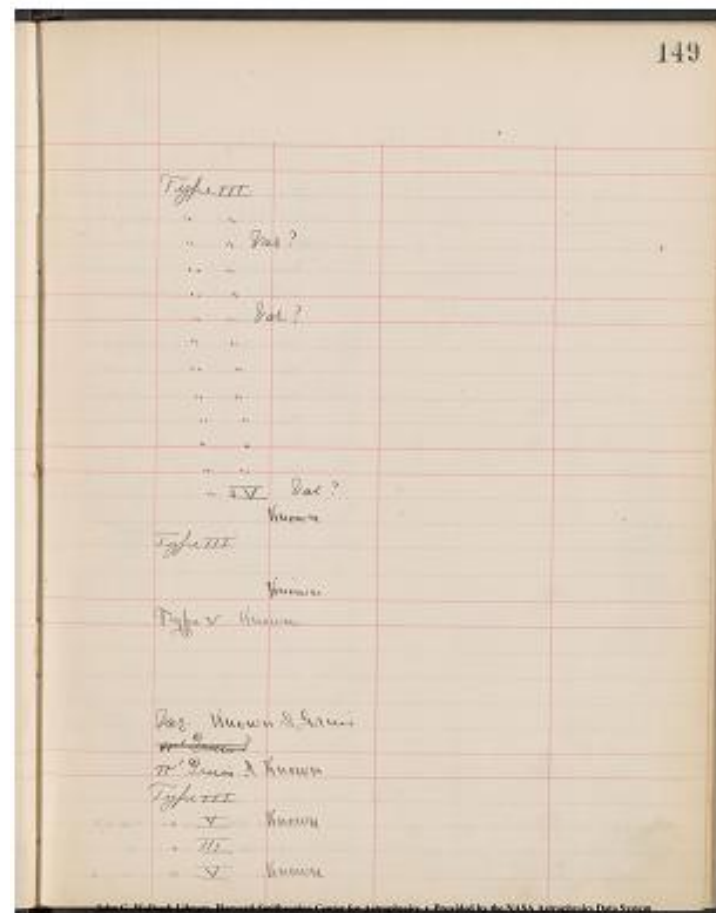
1910	Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object	Design	R.A.	Dec.	Mag.	
Feb. 19	16397	41 001			Ma	CDM-43° 1466	19 28.7	-43 42.0	8.0	
"	16398	41 013			Ma	CDM-53° 68	19 18.0	-53 16.9	8.0	
"	16399	"			Ma	CDM-51° 1123	19 22.0	-51 45.3	9.3	
"	16400	"			Ma	CDM-50° 1314	19 10.2	-50 54.1	8.4	
"	16401	"			Ma	CDM-50° 1320	19 11.0	-50 44.2	8.4	
"	16402	"			Md4	CDM-49° 1439	19 42.8	-49 28.3	7.8	
Nov. 26	16403	41 612			Ma	CPD-54° 9371	19 17.8	-54 34.2	7.2	
"	16404	"			Mb5	CPD-53° 9602	19 26.1	-53 16.6	7.8	
"	16405	"			Ma	CPD-53° 9713	19 43.5	-53 24.3	7.5	
"	16406	"			Ma5	CDM-51° 12077	19 15.5	-51 20.3	7.5	
"	16407	"			Ma	CDM-49° 12853	19 39.4	-49 49.8	8.0	
"	16408	"			Mb	CDM-49° 12950	19 51.4	-49 56.8	6.8	
"	16409	41 613			N	CDM-45° 14302	19 11.9	-45 32.8	6.0	
"	16410	41 585			Pec.	CDM-44° 8539	13 9.3	-44 2.5	7.5	
"	16411	41 576			Ma	CDM-50° 13093	20 33.0	-50 42.2	7.7	
"	16412	"			Ma	CDM-51° 12495	20 12.4	-51 10.3	7.5	
"	16413	"			Pec.	CDM-4° 8539	13 9.3	-44 2.5	7.5	
"	16414	"			Br.	line DM-19° 4854	17 59.4	-19 24.8	9.6	
"	16415	"			Ma5	CDM-51° 13379	22 39.1	-51 42.5	7.6	
"	16416	"			Ma	CDM-51° 13342	22 31.8	-51 19.6	7.7	
"	16417	"			Mb	CDM-51° 13342	22 31.8	-51 19.6	7.7	
"	16418	"			Br	CDM-4° 8539	13 9.3	-44 2.5	7.5	
"	16419	"			Mb	CDM-49° 12950	19 51.4	-49 56.8	6.8	
"	16420	"			Pec.	CDM-44° 8539	13 9.3	-44 2.5	7.5	
"	16421	41 790			Ma	CDM-51° 13342	22 31.8	-51 19.6	7.7	
"	16422	41 841			Br	line DM-19° 4854	17 59.4	-19 24.8	9.6	
"	16423	"			Mb	CDM-51° 13342	22 31.8	-51 19.6	7.7	
"	16424	"			Br	line DM-19° 4854	17 59.4	-19 24.8	9.6	

-48° 14257|22 29.1|-48 57.3|6.9|
 Nov.28|16418|41794| | |[[check
 mark]]MDg|announced 1900|22 19.9|-48 57| |
 Nov.28|16419|41794| | |[[check mark]]Mb|CDM
 -47° 14308|22 35.2|-47 32.2|2.2|
 Nov. 28|16420|41794| | |[[check mark]]Pec|CDM
 -46° 14292|22 15.1|-46 34.6|6.7|
 Nov. 28|16421|41795| | |[[check mark]]Ma|DM
 -7° 4292|16 19.9|-7 15.4|6.1|
 Nov. 28|16422|41841| | |[[check mark]]Br
 lines|CDM -44° 11266|16 46.1|-44 47.0|8.7
 [[symbol-W V]]
 Nov. 28|16423|41841| | |[[check mark]]Mb|CDM
 -44° 11365|16 53.3|-44 15.7|9.2 [[symbol W V]]
 Nov. 28|16424|41841| | |[[check mark]]Br.
 lines|CDM -45° 11392|17 10.3|-45 30.3|7.1 [[symbol- W V]]

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known
Type V known

var. known delta Gruis
~~Pi' Gruis~~? ~~known~~
 Pi' Gruis ~~?~~ ~~known~~
 Type III
 Type V known
 Type III
 Type V known



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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

1910

Date|No|Plate|V|H|Object|Design|RA|Dec.| Mag.

Nov 28|16425|41841|||Mb5|CDM-

42°116|[~~33~~]/[~~27~~]]^[[27]]|164|[~~5.2~~]/[~~4.8~~]]-42[[~~9.0~~]/[~~50.0~~]]6.6 [[symbol?]]

Nov 28|16426|41841|||Br.lines|CDM-

[[~~42°116~~33][~~41°109~~72]]|16 43.6|-41

38.0|7.3 [[symbol?]]

Nov 28|16427|41841|||Br.lines|CDM-41°11041|16 45.6|-41 36.0|8.0

[[symbol?]]

Nov 28|16428|41842|||Ma|CDM-47°12780|19 2.4|-47 51|8.3

Nov 28|16429|41842|||Mb|CDM-46°12720|18 48.5|-46 53.5|8.4

Nov 28|16430|48842|||Md?|CDM-46°12592|18 36.4|-46 43.7|8.3

Nov 28|16431|41842|||Mc|CDM-45°12699|18 34.1|-45 53.8|9.1

Nov 28|16432|41842|||Ma5|CDM-46°12809|18 57.8|-46 9.2|8.2

Nov 28|16433|41842|||Ma|CDM-43°12699|18 30.6|-43 17.3|5.8

Nov 28|16434|41842|||Mb5|CDM-41°13323|18 58.0|-41 43.6|9.7

Nov 28|16435|41843|||Va|CDM-45°14302|21 11.9|-45 32.8|6.0

Nov 28|16436|41843|||mb|CDM-

42°15443|[~~17~~]/[~~21~~]]^[[21]]|17.5|-42 14.4|7.6

Nov 28|16437|41844|||Ma|CDM-41°15163|23 3.2|-41 16.4|6.2

Nov 28|16438|41844|||Ma|CDM-36°15693|22 57.9|-36 33.8|7.1

Nov 28|16439|41844|||Ma|CDM-36°15718|23 0.7|-36 44.4|8.0

Nov 28|16440|41846|||Mb|CDM-

42°1162|[~~4~~]/[~~7~~]]^[[7]]|16 44.8|-42 50.0|6.6

[[Symbol]]

Nov 28|16441|41846|||Mb|CDM-41°10863|16 38.1|-41 17.7|7.5

[[Symbol]]

Nov 28|16442|41846|||Br.lines|CDM-41°10972|16 43.6|-41 38.0|7.3

[[Symbol]]

Nov 28|16443|41846|||Br.lines|CDM-41°11041|16 45.6|-41 36.0|8.0

[[Symbol]]

Nov 28|16444|41846|||Ma|CDM-38°11363|16 49.3|-38 55.3|7.2

[[Symbol]]

Nov 28|16445|41847|||Mb|CDM-43°12699|18 30.6|-43 17.2|5.8

Nov 28|16446|41847|||Mb|CDM-41°13323|18 58.0|-41 43.6|9.7

Nov 28|16447|41847|||Ma|CDM-39°12887|18 38.0|-39 51.8|7.3

Nov 28|16448|41848|||Mb|CDM-42°15443|21 17.5|-42 14.4|7.6

Nov 28|16449|41848|||Mb|CDM-41°14530|21 21.3|-41 57.3|8.5

Nov 28|16450|41848|||Mb|CDM-41°14682|21 46.6|-41 50.9|7.7

Nov 28|16451|41848|||Mb5|CDM-37°14494|21 42.0|-37 16.6|7.5

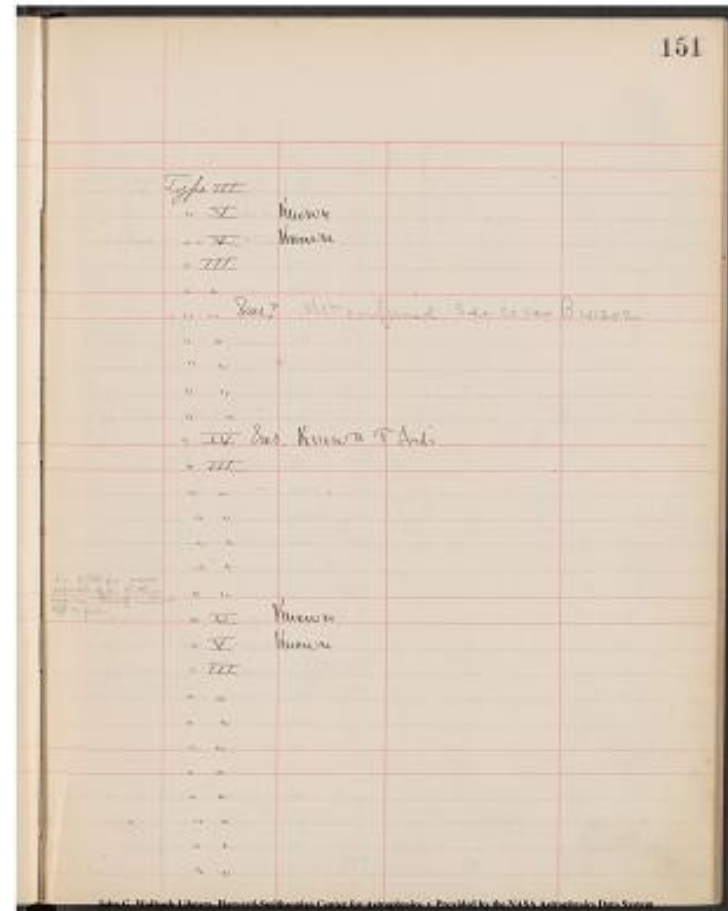
Nov 28|16452|41848|||Mb|CDM-35°14910|21 33.4|-35 5.1|7.5

150									
Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object Design	RA	Dec.	Mag.	
Nov 28	16425	41841			Mb5	42°116	16 43.6	-41 38.0	7.3
"	16426	"			Br. lines	42°116	16 43.6	-41 38.0	7.3
"	16427	"			Br. lines	41°11041	16 45.6	-41 36.0	8.0
"	16428	41842			Ma	47°12780	19 2.4	-47 51	8.3
"	16429	"			Mb	46°12720	18 48.5	-46 53.5	8.4
"	16430	48842			Md?	46°12592	18 36.4	-46 43.7	8.3
"	16431	41842			Mc	45°12699	18 34.1	-45 53.8	9.1
"	16432	41842			Ma5	46°12809	18 57.8	-46 9.2	8.2
"	16433	41842			Ma	43°12699	18 30.6	-43 17.3	5.8
"	16434	41842			Mb5	41°13323	18 58.0	-41 43.6	9.7
"	16435	41843			Va	45°14302	21 11.9	-45 32.8	6.0
"	16436	41843			mb	42°15443	21 17.5	-42 14.4	7.6
"	16437	41844			Ma	41°15163	23 3.2	-41 16.4	6.2
"	16438	41844			Ma	36°15693	22 57.9	-36 33.8	7.1
"	16439	41844			Ma	36°15718	23 0.7	-36 44.4	8.0
"	16440	41846			Mb	42°1162	16 44.8	-42 50.0	6.6
"	16441	41846			Mb	41°10863	16 38.1	-41 17.7	7.5
"	16442	41846			Br. lines	41°10972	16 43.6	-41 38.0	7.3
"	16443	41846			Br. lines	41°11041	16 45.6	-41 36.0	8.0
"	16444	41846			Ma	38°11363	16 49.3	-38 55.3	7.2
"	16445	41847			Mb	43°12699	18 30.6	-43 17.2	5.8
"	16446	41847			Mb	41°13323	18 58.0	-41 43.6	9.7
"	16447	41847			Ma	39°12887	18 38.0	-39 51.8	7.3
"	16448	41848			Mb	42°15443	21 17.5	-42 14.4	7.6
"	16449	41848			Mb	41°14530	21 21.3	-41 57.3	8.5
"	16450	41848			Mb	41°14682	21 46.6	-41 50.9	7.7
"	16451	41848			Mb5	37°14494	21 42.0	-37 16.6	7.5
"	16452	41848			Mb	35°14910	21 33.4	-35 5.1	7.5

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Type III
 Type V Known
 Type V Known
 Type III
 Type III
 Type III Var? Not confirmed see cover B w1842
 Type III
 Type III
 Type III
 Type III
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 Type IV Var. Known T Indi
 Type III
 Type III
 Type III
 Type III
 See CPD for more accurate pos. of this region. I have entered CDM
 pos.
 Type V Known
 Type V Known
 Type III
 Type III
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 Type III
 Type III



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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

1910

Date|No|Plate|V|H|Object|Design|RA|Dec.| Mag.|

Nov. 28|16453|41849|| Ma | CDM -4 ~~[[/strikethrough]]~~ 4 ~~[[/strikethrough]]~~
 3° 15352 | 23 ~~[[/strikethrough]]~~ 17.4 | -44 17.0 | 7.7 ~~[[/strikethrough]]~~ 15.4
 | 43 52.3 | 7.6

Nov. 28|16454|41849|| Ma | CDM -44° 15225 | 23 17.1 | -44 17.0 | 7.7

Nov. 28|16455|41849|| Mb | CDM -41° 15163 | 23 3.2 | -41 16.4 | 6.2

Nov. 28|16456|41850|| Ma | CDM -38° 418 | 1 6.3 | -38 36.0 | 8.5

Nov. 28|16457|41850|| Mb | CDM -37° 564 | 1 23.2 | -37 28.9 | 7.5

Nov. 28|16458|41850|| Mb | CDM -37° 603 | 1 30.4 | -37 5.6 | 7.6

Nov. 28|17458a|41853|| Br. lines | DM -11° 5511 | 20 56.3 | -11 56.3 |
 neb.

Nov. 28|16459|41853|| Ma | DM -9° 5700 | 21 8.5 | -9 48.8 | 7.0

Nov. 28|16460|41854|| Mb | DM -13° 6407 | 23 19.9 | -13 43.6 | 7.0

Nov. 28|16461|41854|| Mb | DM -13° 6408 | 23 20.6 | -13 0.8 | 7.7

Nov. 28|16462|41854|| Mb5 | DM -11° 6071 | 23 18.3 | -11 57.3 | 8.3

Nov. 28|16463|41854|| Mb5 | DM -8° 6152 | 23 30.5 | -8 44.8 | 8.9

Nov. 28|16464|41855|| H beta bright | CDM -44° 15146 | 22 59.6 | -44
 10.8 | 7.8

Nov. 28|16465|41855|| Mb | CDM -41° 15163 | 23 3.2 | -41 16.4 | 6.2

Nov. 28|16466|41852|| Type VI | DM -10° 5057 | 19 15.2 | -10° 58.6 |
 7.0

Nov. 28|16467|41852|| Mb | DM -10° 5035 | 19 12.4 | -10° 49.3 | 7.3

Nov. 28|16468|41856|| Mb | CPD -54° 9391 | 19 22.0 | -54 25.3 | 7.8

Nov. 28|16469|41856|| Mb | CPD -53° 9602 | 19 26.1 | -53 16.6 | 7.8

Nov. 28|16470|41856|| Ma | CDM -51° 12077 | 19 15.5 | -51 20.3 | 7.5

Nov. 28|16471|41856|| Mb | CDM -49° 12853 | 19 39. ~~[[/strikethrough]]~~ 3
~~[[/strikethrough]]~~ 4 | -49 49.8 | 8.0

Nov. 28|16472|41856|| Mb | CDM -49° 12894 | 19 44.9 | -49 46.9 | 8.5

Nov. 28|16473|41856|| Mb5 | CDM -49° 12950 | 19 51.4 | -49 56.8 | 6.8

Nov. 28|16474|41856|| Ma | CDM -47° 13103 | 19 41.1 | -47 52.0 | 6.3

Nov. 28|16475|41857|| Ma | CDM -48° 14181 | 22 11.4 | -48 39.6 | 8.5

Nov. 28|16476|41857|| Md8 | Approx. 1900 Announced | 22 19.9 | -48
 57 |

Nov. 28|16477|41857|| Pec. | CDM -46° 14292 | 22 15.1 | -46 34.6 | 6.7

Nov. 28|16478|41858|| Md4 | CPD -57° 10393 | 23 52.6 | -57 16.2 | 7.8

Nov. 28|16479|41858|| Mb | CPD -56° 10144 | 23 40.1 | -56 30.1 | 8.0

Nov. 28|16480|41858|| Mb | CPD -55° 10080 | 23 37.6 | -55 7.7 | 8.1

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Type III
Type III
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Type III Var. Not. Known
Type III
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Type III
Type III

Type III
Class R. Known

Type III
Type III
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Type III
Type III
Type III
Type III Var. Known delta Gruis
Pi' Gruis ~~[[strikethrough]]~~ ? ~~[[/strikethrough]]~~ Known
Type III Var. Known delta Phoenixis
Type III

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Table III

Wm. H. L. Brown

Table III

Class R. Brown

Table III

Dec. Brown & Brown

Project PHaEDRA - Williamina P. Fleming - Objects of Interest - South
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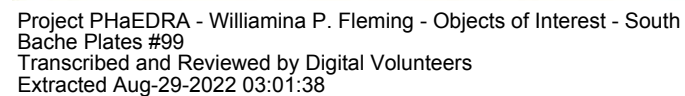
Objects of Interest on Southern Spectrum Plates

[[10 column table]]

1910

Date	No.	Plate	V	H	Object	Design.	RA	Dec.	Magn.
Nov. 28	16481	41860		Ma	DM-22°5169	19 28.8	-22 16.1	8.2	
Nov. 28	16482	41860		Mb	DM-22°5545	19 31.0	-19 55.9	8.8	
Nov. 28	16483	41860		Md5	DM-19°5367	16 8.2	-19 33.7	var.	
Nov. 28	16484	41860		Md5	(apparent)	19 18.6	-18 48	(1855)	
Nov. 28	16485	41860		Ma	DM-16				
Nov. 28	16486	41860		Mb	DM-17 5746	19 38.8	-17 25.5	7.0	
Nov. 28	16487	41860		Na	DM-16 5360	19 26.0	-16 41.3	7.2	
Nov. 28	16488	41860		Na	DM-16 5272	19 10.9	-16 10.2	6.8	
Nov. 28	16489	41861		Ma	DM-18°6047	21 51.5	-18 40.9	8.0	
Nov. 28	16490	41861		Mb	DM-21°6131	21 50.6	-21 52.5	6.2	
Nov. 28	16491	41861		Mb	DM-21°6120	21 47.5	-21 49.2	7.2	
Nov. 28	16492	41861		Ma	CDM-23°17167	21 48.4	-23 52.5	8.3	
Nov. 28	16493	41862		Ma	DM-22°7	0 1.5	-22 59.0	7.2	
Nov. 28	16494	41862		Ma5	DM-20°6636	23 34.2	-20 33.5	7.8	
Nov. 28	16495	41862		Ma	DM-19°7	0 3.6	-19 22.7	8.0	
Nov. 28	16496	41862		Ma5	DM-17°6839	23 45.2	-17 10.5	7.3	
Nov. 28	16497	41863		Br. line	CDM-				
Nov. 28	16498	41863		Pec.	CDM-41°11533	17 13.5	-41 37.0	8.3	
Nov. 28	16499	41863		Ma	CDM-40°11905	17 42.8	-40 44.3	6.5	
Nov. 28	16500	41864		Ma	CDM-32°15110	19 14.4	-32 10.2	7.3	
Nov. 28	16501	41864		Mb	CDM-31°16797	19 24.5	-31 7.8	6.8	
Nov. 29	16502	41516		Ma	CDM-46°8456	13 4.2	-46 11.0	8.9	
Nov. 29	16503	41516		Ma	CDM-				
Nov. 29	16504	41516		Ma	CDM-41°7700	13 8.6	-41 23.2	8.3	
Nov. 29	16505	41517		Ma	CPD-57°7398	15 48.6	-57 24.0	9.0	
Nov. 29	16506	41517		Ma	CPD-57°7155	15 33.0	-57 42.6	8.5	
Nov. 29	16507	41517		Mb	CPD-56°6696	15 10.6	-56 56.4	8.1	
Nov. 29	16508	41517		Mb5	CPD-55°6721	15 40.3	-55 31.9	9.4	

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Objects of Interest on Southern Spectrum Plates

[[10 columned table]]

1910

Date	No	Plate	V	H	Object	Design	RA	Dec	Mag
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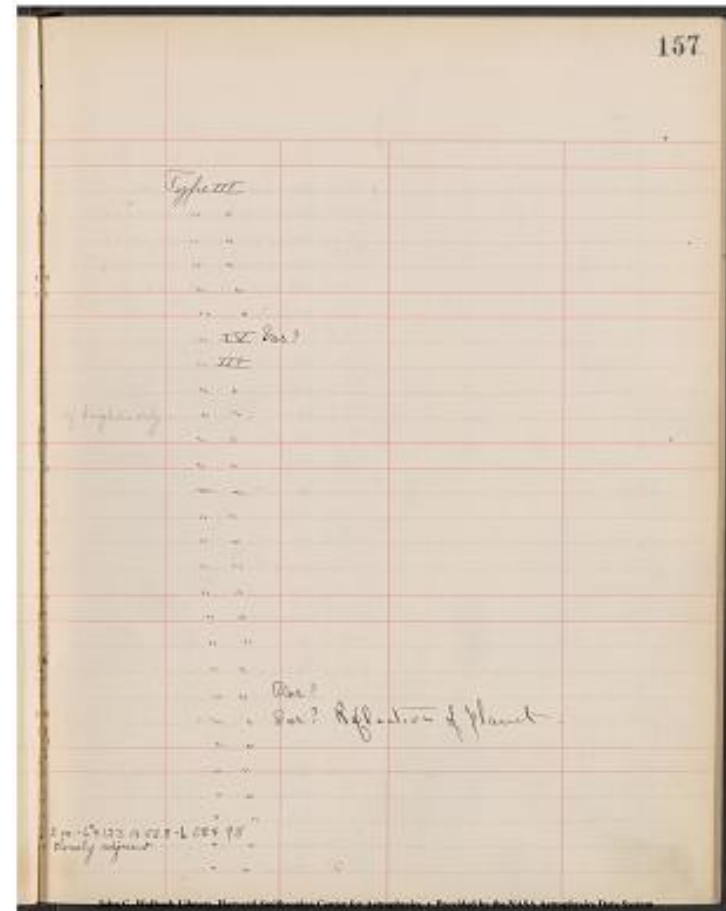
Mar. 29|16509|41517||Ma|CPD-54°6352|14 59.9|-54 26.6|9.4
 Mar. 29|16510|41517||Mb|CPD ~~[[strikethrough]]~~M~~[[strikethrough]]~~-52°
 8176|15 12.1|-52 15.3|8.6
 Mar. 29|16511|41517||Mb5|CDM-50°9527|15 23.2|-50 26.4|7.6
 Mar. 29|16512|41517||Mb5|CDM-49°978~~[[strikethrough]]~~ 2
~~[[strikethrough]]~~3|15 26.8|-49 52.2|9.1
 Mar. 29|16513|41517||Mb5|CDM-49°9787|15 27.0|-49 5.2| var.
 Mar. 29|16514|41518||Mb5|DM-2°4482|17 45.5|-2 32.1|7.5
 Mar. 29|16515|41519||Na|DM-8°4726|18 42.5|-8 4.1|7.1
 Mar. 29|16516|41532||Ma|CPD-52°6665|13 32.6|-52 24.0|8.8
 Mar. 29|16517|41532||Mb|CDM-50°7898|13 28.6|-50 34.6|8.7
 Mar. 29|16518|41532||Ma|CDM-49°8072|13 30.2|-49 57.7|7.2
 Mar. 29|16519|41533||Ma|DM-3°3875|15 59.4|-3 28.9|7.5
 Mar. 29|16520|41533||Mb|DM-2°4180|16
 17.~~[[strikethrough]]~~3~~[[strikethrough]]~~4|-2 7.7|8.0
 Mar. 29|16521|41534||Br.line|CDM-34°11622|17 10.1|-34 16.2|9.0
 Mar. 29|16522|41534||Mb5|CDM-32°13208|17 34.9|-32 59.2|6.7
 Mar. 30|16523|41549||Mb|DM-5°4070|15 17.4|-5 24.0|7.7
 Mar. 30|16524|41550||Ma|DM-4°4332|17 34.9|-4 46.4|6.5
 Mar. 30|16525|41550||Mb5|DM-2°4482|17 45.5|-2 32.1|7.5
 Mar. 30|16526|41550||Mb|DM+0°3717|17 25.9|+0 12.6|8.5
 Mar. 30|16527|41551||Mb|DM-
~~[[strikethrough]]~~4°~~[[strikethrough]]~~5|5194|20 7.3|-5 0.7|8.0
 Mar. 30|16528|41557||Ma|DM-7°3332|11 54.0|-7 20.9|8.0
 Mar. 30|16529|41557||Mc5d|DM-5°3424|11 59.8|-5 57.2|7.0
 Mar. 30|16530|41557||Mc5d~~[[strikethrough]]~~Su nole on
 corr.~~[[strikethrough]]~~
 Mar. 30|16531|41557||Ma|DM-5°3416|11 58.2|-5 2.0|6.7
 Mar. 30|16532|41557||Ma|DM-2°3446|11 51.8|-2 30.7|7.3
 Mar. 30|16533|41557||Ma|DM-1°2671|12 21.0|-1 57.6|8.8
 Mar. 30|16534|41557||Mb|DM-1°2674|12 21.7|-1 37.1|7.7
 Mar. 29|16535|41558||Mb|DM-6°4124|14 55.9|-6 59.8|8.0
 Mar. 29|16536|41558||Ma|DM-5°4070|15 17.4|-5 24.0|7.7

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Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object	Design	RA	Dec	Mag
Mar. 29	16509	41517			Ma	CPD-54°6352	14 59.9	-54 26.6	9.4
"	16510	"			Mb	CPD-52°8176	15 12.1	-52 15.3	8.6
"	16511	"			Mb5	CDM-50°9527	15 23.2	-50 26.4	7.6
"	16512	"			Mb5	CDM-49°9787	15 27.0	-49 5.2	var.
"	16513	"			Mb5	DM-2°4482	17 45.5	-2 32.1	7.5
"	16514	"			Na	DM-8°4726	18 42.5	-8 4.1	7.1
"	16515	"			Ma	CPD-52°6665	13 32.6	-52 24.0	8.8
"	16516	"			Mb	CDM-50°7898	13 28.6	-50 34.6	8.7
"	16517	"			Ma	CDM-49°8072	13 30.2	-49 57.7	7.2
"	16518	"			Ma	DM-3°3875	15 59.4	-3 28.9	7.5
"	16519	"			Mb	DM-2°4180	16		
"	16520	"			Br.line	CDM-34°11622	17 10.1	-34 16.2	9.0
"	16521	"			Mb5	CDM-32°13208	17 34.9	-32 59.2	6.7
"	16522	"			Mb	DM-5°4070	15 17.4	-5 24.0	7.7
"	16523	"			Ma	DM-4°4332	17 34.9	-4 46.4	6.5
"	16524	"			Mb5	DM-2°4482	17 45.5	-2 32.1	7.5
"	16525	"			Mb	DM+0°3717	17 25.9	+0 12.6	8.5
"	16526	"			Mb	DM- 4°	20 7.3	-5 0.7	8.0
"	16527	"			Ma	DM-7°3332	11 54.0	-7 20.9	8.0
"	16528	"			Mc5d	DM-5°3424	11 59.8	-5 57.2	7.0
"	16529	"			Mc5d	[[strikethrough]] Su nole on corr. [[strikethrough]]			
"	16530	"			Ma	DM-5°3416	11 58.2	-5 2.0	6.7
"	16531	"			Ma	DM-2°3446	11 51.8	-2 30.7	7.3
"	16532	"			Ma	DM-1°2671	12 21.0	-1 57.6	8.8
"	16533	"			Mb	DM-1°2674	12 21.7	-1 37.1	7.7
"	16534	"			Mb	DM-6°4124	14 55.9	-6 59.8	8.0
"	16535	"			Ma	DM-5°4070	15 17.4	-5 24.0	7.7

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Type III
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Type IV Var?
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if brighter only Type III
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DM -6°4123 14 55.8 -6 58.4 9.8 closely adjacent Type III
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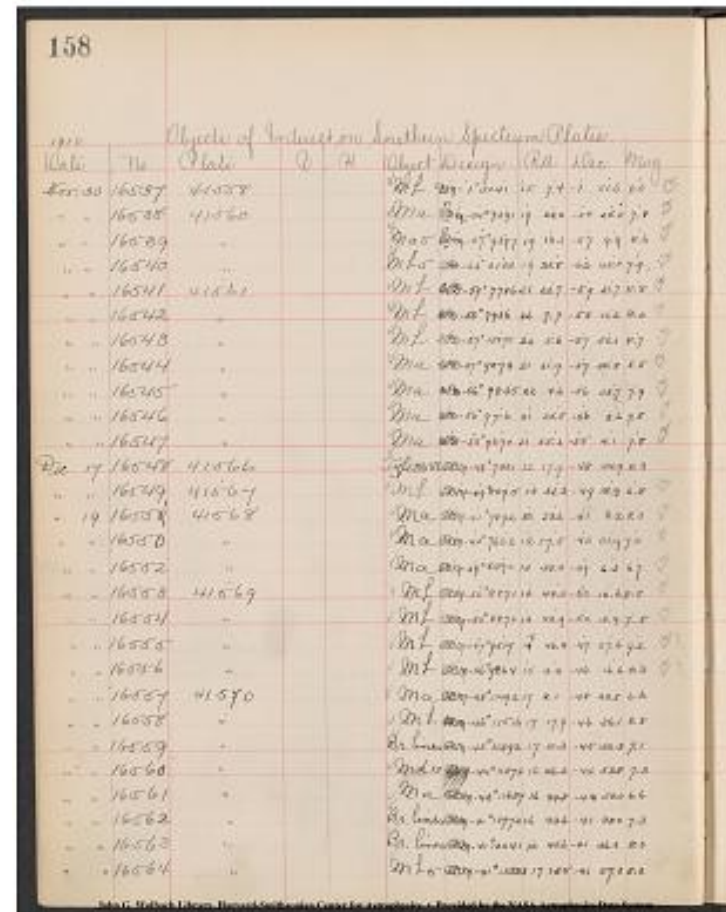
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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

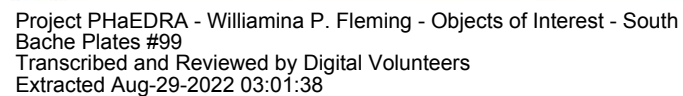
1910

Date	No	Plate	V	H	Object	Design	RA	Dec	Mag
Nov. 30	16537	41558			Mb	DM-1°3041	15 7.4	-1 51.6	8.0
Nov. 30	16538	41560			Ma	CPD- 1°1007	15 5.6	-1 51.6	8.0
54°9391	16 22.0	-54 25.3	7.8						
Nov. 30	16539	41560			Ma	5 CPD- 1°1007	15 5.6	-1 51.6	8.0
57°9397	19 16.1	-57 9.9	7.8						
Nov. 30	16540	41560			Mb	5 CPD-62°6103	19 35.8	-62 45.0	7.9
Nov. 30	16541	41561			Mb	CPD-59°7706	21 22.7	-59 21.7	8.8
Nov. 30	16542	41561			Mb	CPD-58°7936	22 7.7	-58 11.2	8.0
Nov. 30	16543	41561			Mb	CPD-57°1007	22 5.6	-57 50.1	8.7
Nov. 30	16544	41561			Ma	CPD-57°9873	21 21.9	-57 25.8	8.5
Nov. 30	16545	41561			Ma	CPD-56°9835	22 4.6	-56 33.7	7.9
Nov. 30	16546	41561			Ma	CPD-56°9716	21 35.5	-56 2.6	7.5
Nov. 30	16547	41561			Ma	CPD-55°9670	21 35.2	-55 4.1	7.8
Dec. 17	16548	41566			Type IV V	CDM-48°7401	12 17.9	-48 44.9	8.3
Dec. 17	16549	41567			Mb	CDM-49°8095	13 32.3	-49 18.9	6.8
Dec. 19	16550	41568			Ma	CDM-41°7892	13 23.6	-41 0.2	8.3
Dec. 19	16551	41568			Ma	CDM-40°7662	12 57.8	-40 31.9	7.0
Dec. 19	16552	41568			Ma	CDM-39°8390	13 32.4	-39 6.3	6.7
Dec. 19	16553	41569			Mb	CDM-50°8871	14 44.0	-50 10.6	8.8
Dec. 19	16554	41569			Mb	CDM-50°8870	14 43.9	-50 3.9	7.8
Dec. 19	16555	41569			Mb	CDM-			
47°9519	1	3	3	4			46.2	-47 27.6	9.2
Dec. 19	16556	41569			Mb	CDM-46°9864	15 3.3	-46 16.6	8.3
Dec. 19	16557	41570			Ma	CDM-48°11492	17 2.1	-48 42.8	6.6
Dec. 19	16558	41570			Mb	CDM-46°11516	17 17.9	-46 36.1	8.8
Dec. 19	16559	41570			Br. lines	CDM-45°11392	17 10.3	-45 30.3	7.1
Dec. 19	16560	41570			Md 10	CDM-44°11274	16 46.6	-44 53.8	7.3
Dec. 19	16561	41570			Ma	CDM-42°11627	16 44.8	-42 50.0	6.6
Dec. 19	16562	41570			Br. lines	CDM-41°10972	16 43.6	-41 38.0	7.3
Dec. 19	16563	41570			Br. lines	CDM-41°11041	16 45.6	-41 36.0	8.0
Dec. 19	16564	41570			Mb	5 CDM-41°11533	17 13.5	-41 37.0	8.3



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Objects of interest on Southern Spectrum Plates

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1910

Date	No.	Plate	V	H	Object	Design	RA	Dec	Mag
Dec. 19	16565	41571			Ma	CDM-45° 13443	19 41.2	-45 41.4	7.1
Dec. 19	16566	41571			Ma	CDM-45° 13143	19 11.9	-45 36.0	7.5
Dec. 19	16567	41571			Md5	CDM-42° 14584	19 50.1	-42 11.0	9.5
Dec. 19	16568	41572			Ma	CDM-45° 14103	20 47.3	-45 2.9	7.1
Dec. 19	16569	41572			Mb	CDM-42° 15443	21		
17.	[[16570]]	41572			[[5]]	42 14.4	7.6		
Dec. 19	16570	41574			Mb	CPD-53° 7594	16		
[[16571]]	1	[[41574]]			[[7.0]]	-53 29.7	7.5		
Dec. 19	16571	41574			Mb5	CPD-52° 9451	16 7.1	-52 17.1	9.2
Dec. 19	16572	41574			Ma	CPD-52° 10051	16 27.4	-52 7.2	8.1
Dec. 19	16573	41574			Br. lines	[[approx.]]			
1875	[[16574]]	[[41574]]			Announced 1900/000	[[16]]			
31	[[16575]]	16 33.0	[[41575]]		-52 12	[[7.5]]			
Dec. 19	16574	41574			Mb	CDM-48° 11047	16 31.0	-48 3.4	8.2
Dec. 19	16575	41574			Mb	CDM-46° 10627	16 9.3	-46 8.2	7.5
Dec. 19	16576	41575			Ma	CDM-50° 11826	18 7.9	-50 45.7	8.1
Dec. 19	16577	41575			Ma	CDM-46° 12102	17 56.9	-46 28.8	7.3
1911									
Jan. 7	16578	41866			Ma	DM-16° 322	1 44.8	-16 21.9	6.9
Jan. 7	16579	41868			Md5	DM-19° 5367	19 8.2	-19 33.7	var.
Jan. 7	16580	41868			N4R	DM-16° 5272	19 10.9	-16 10.2	6.8
Jan. 7	16581	41990			Mb	DM-20° 50	0 14.4	-20 51.3	5.5
Jan. 7	16582	41990			Ma	DM-19° 58	0 19.0	-19 29.6	7.0
Jan. 7	16583	41991			Mb5c	CDM-23° 845	2 9.9	-23 57.5	8.1
Jan. 7	16584	41991			Ma	DM-18° 374	2 1.9	-18 27.7	5.7
Jan. 7	16585	41991			Ma	DM-17° 384	1 57.9	-17 59.0	7.3
Jan. 7	16586	41992			Ma	CDM-23° 1029	2 36.3	-23 8.0	7.8
Apr. 24	16587	41865			Ma	CDM-31° 19072	22 52.9	-31 47.9	7.5
broken									
Apr. 24	16588	41866			Ma	CDM-37° 564	1 23.3	-37 28.9	7.5
Apr. 24	16589	41867			Mb	CPD-53° 8619	17 17.5	-53 6.6	8.0
Apr. 24	16590	41867			Md5	CDM-51° 11224	17 45.7	-51 40	(1900)
Apr. 24	16591	41867			Ma5	CDM-50° 11474	17 32.3	-50 26.5	6.9
Apr. 24	16592	41867			Mb5	CDM-47° 12084	18 0.4	-47 43.4	8.5

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Type III ~~I~~ ~~Nova?~~ = Nova Arae {Found on B41704 see page 186 [where earlier discoveries are recorded]}

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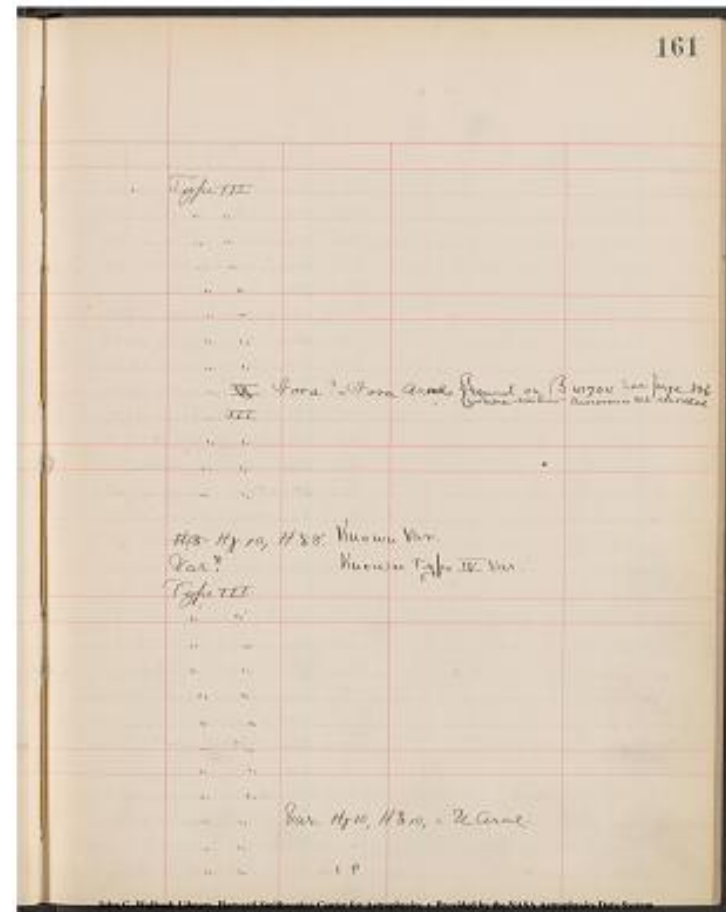
~~# beta~~ ~~H gamma 10, H delta 8.~~ Known Var.

Var ~~?~~ Known Type IV var.

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Type III Var. H gamma 10, H delta 10, = U Arae.

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1911 Objects of Interest on Southern Spectrum Plates

[[10 column table]]

[Date]	[No.]	[Plate]	[V]	[H]	[Object]	[Design]	[RA]	[Dec]	[Mag]
Apr. 24	16593	41867			[Mb]CDM-46°	12102	17		
Apr. 24	16594	41868			[Mb]CDM-47°				
Apr. 24	16595	41870			[Mb]CDM-47°	68	0.4	47 32.0	7.7
Apr. 24	16596	41870			[Mb]CDM-43°	15584	23 59.1	43 35.0	7.5
Apr. 24	16597	41871			[Ma5]CDM-32°	13223	17 35.4	32 35.9	7.2
Apr. 24	16598	41871			[A Pec.]CDM-32°	12935	17 26.5	32 29.2	5.8
Apr. 24	16599	41873			[Ma]CDM-35°	15163	22 1.0	35 10.2	7.1
Apr. 24	16600	41873			[Mb5]CDM-32°	16875	21 56.0	32 2.9	7.3
Apr. 24	16601	41873			[Mb]CDM-32°	16903	21 59.3	32 10.7	7.6
Apr. 24	16602	41874			[Md3]CDM-33°	16843	23 59.9	33 30.4	8.2
Apr. 24	16603	41874			[Mb5]CDM-33°	310h	0.2	33 17.7	8.5
Apr. 24	16604	41875			[Ma]CDM-49°	4691	35.0	49 23.6	7.2
Apr. 24	16605	41875			[Mb]CDM-46°	5521	48.6	46 54.8	4.8
Apr. 24	16606	41875			[Mb]CDM-47°	4401	24.2	47 24.2	6.6
Apr. 24	16607	41912			[Na]DM-8°	4726	18 42.5	8 4.1	7.1
Apr. 24	16608	41912			[Na]DM-5°	4858	18 56.7	5 53.5	7.0
Apr. 24	16609	41912			[Ma]DM-1°	3657			18
Apr. 24	16610	41913			[Na]DM-8°	4726	18 42.5	8 4.1	7.1
Apr. 24	16611	41929			[Ma]DM-22°	5169	19 28.8	22 16	8.2
Apr. 24	16612	41930			[Ma]CDM-26°	15756	21 34.9	26 2.5	7.4
Apr. 22	16613	41994			[Ma]DM-21°				
Apr. 22	16614	41994			[Type VI]DM-21°	6376	23 6.3	21 3.3	
Apr. 22	16615	41997			[Mb]DM-19°	5154	18h 37.5	19 4.5	6.8
Apr. 22	16616	41999			[Ma]CDM-43°	15584	23 59.1	43 3.5	7.5
Apr. 22	16617	42000			[Ma]CDM-46°	5521	48.6	46 5.5	4.8
Apr. 22	16618	42002			[Mb]DM-19°	5134	18 34.4	19 2.5	6.5
Apr. 22	16619	42002			[Mb]DM-15°	5259	19 2.6	15 19	7.5
Apr. 22	16620	42003			[Ma]DM-4°	5504	21 31.1	4 48	7.7

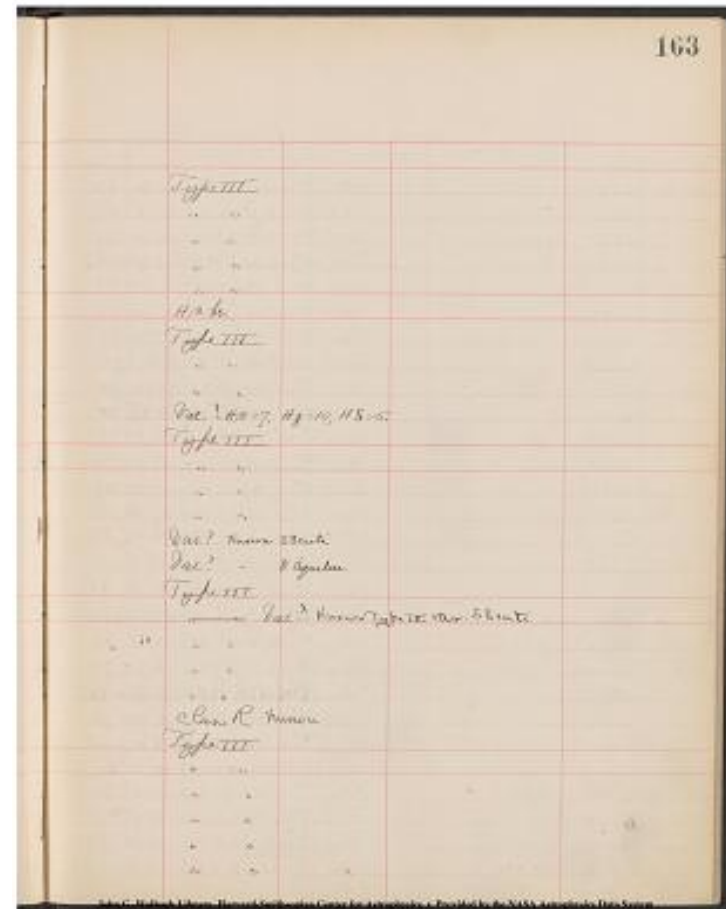
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Objects of Interest on Southern Spectrum Plates

Date	No.	Plate	Q	U	Object	Design	RA	Dec	Mag
Apr. 24	16593	41867			[Mb]	CDM-46°	12102	17	
"	16594	41868			[Mb]	CDM-47°			
"	16595	41870			[Mb]	CDM-47°	68	0.4	47 32.0
"	16596	41870			[Mb]	CDM-43°	15584	23 59.1	43 35.0
"	16597	41871			[Ma5]	CDM-32°	13223	17 35.4	32 35.9
"	16598	41871			[A Pec.]	CDM-32°	12935	17 26.5	32 29.2
"	16599	41873			[Ma]	CDM-35°	15163	22 1.0	35 10.2
"	16600	41873			[Mb5]	CDM-32°	16875	21 56.0	32 2.9
"	16601	41873			[Mb]	CDM-32°	16903	21 59.3	32 10.7
"	16602	41874			[Md3]	CDM-33°	16843	23 59.9	33 30.4
"	16603	41874			[Mb5]	CDM-33°	310h	0.2	33 17.7
"	16604	41875			[Ma]	CDM-49°	4691	35.0	49 23.6
"	16605	41875			[Mb]	CDM-46°	5521	48.6	46 54.8
"	16606	41875			[Mb]	CDM-47°	4401	24.2	47 24.2
"	16607	41912			[Na]	DM-8°	4726	18 42.5	8 4.1
"	16608	41912			[Na]	DM-5°	4858	18 56.7	5 53.5
"	16609	41912			[Ma]	DM-1°	3657		18
"	16610	41913			[Na]	DM-8°	4726	18 42.5	8 4.1
"	16611	41929			[Ma]	DM-22°	5169	19 28.8	22 16
"	16612	41930			[Ma]	CDM-26°	15756	21 34.9	26 2.5
"	16613	41994			[Ma]	DM-21°			
"	16614	41994			[Type VI]	DM-21°	6376	23 6.3	21 3.3
"	16615	41997			[Mb]	DM-19°	5154	18h 37.5	19 4.5
"	16616	41999			[Ma]	CDM-43°	15584	23 59.1	43 3.5
"	16617	42000			[Ma]	CDM-46°	5521	48.6	46 5.5
"	16618	42002			[Mb]	DM-19°	5134	18 34.4	19 2.5
"	16619	42002			[Mb]	DM-15°	5259	19 2.6	15 19
"	16620	42003			[Ma]	DM-4°	5504	21 31.1	4 48

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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

1911

Date	No.	Plate	V/H	Object	Design	RA	Dec	Mag
Apr 22	16621	42004		Ma	DM -14° 225	1 4.1	-14 16	6.8
Apr 22	16622	42005		Mb	DM -13° 530	2 41.0	-13 4	6.3
Apr 22	16623	42007		Mb	DM -12° [[strikethrough]] 4			
Apr 22	16624	42010		Pec.	CDM -46° 14292	22 16.6	-46 27	6.7
Apr 22	16625	42055		Ma	DM -6° 5745	21 15.3	-6 51.2	8.3
Apr 22	16626	42055		Mb	DM -4° 5337	20 54.1	-4 41.9	7.3
Apr 22	16627	42055		Ma	DM -3° 5076	20 49.9	-3 47.5	8.5
Apr 22	16628	42055		Mb	DM -0° 4163	21 0.1	-0 43.6	7.2
Apr 22	16629	42081		Ma5	CPD -64° 4124	21 11.5	-64 56.2	9.0
Apr 22	16630	42081		Ma	CPD -64° 4223	22 2.2	-64 37.6	8.2
Apr 22	16631	42081		Ma	CPD -62° 6315	22 5.2	-62° 3.9	8.8
Apr 22	16632	42083		Ma	CDM -49° 469	1 35.0	-49 24	7.2
Apr 22	16633	42083		Ma5	CDM -47° 389	1 14.2	-47 57	7.2
Apr 22	16634	42083		Ma	CDM -47° 440	1 24.2	-47 24	6.6
Apr 22	16635	42083		Mb	CDM -46° 552	1 48.6	-46 55	4.8
Apr 22	16636	42084		Md8	Announced 1900 pos.	3 49.6	-46 8	
Apr 22	16637	42084		Mb	CDM -43° 1135	3 36.1	-43 39	7.5
Apr 22	16638	42085		Md5	CDM -33° 2251	5 15.6	-33 49	
Apr 24	16639	42086		Ma	CPD -64° 4124	21 11.5	-64 56	9.0
Apr 24	16640	42086		Ma	CPD -59° 7631	20 31.8	-59 53	9.0
Apr 24	16641	42087		Ma	CDM -36° 1571 [[strikethrough]] 9			
Apr 24	16642	42087		Ma	CDM -36° 15693	22 57.9	-36° 33.8	7.1
Apr 24	16643	42087		Ma	CDM -31° 1907 [[strikethrough]] 1			
Apr 24	16644	42087		Mc5d	CDM -30° 19448	23 3.7	-30 40	
Apr 24	16645	42088		Ma	CDM -50° 270	0 54.3	-50 26	7.5
Apr 24	16646	42088		Ma	CDM -47° 389	1 14.2	-47 57	7.2
Apr 24	16647	42089		Mb	CDM -42° 865	2 30.2	-42 40	7.3
Apr 24	16648	42090		Ma	CDM -43° 1590	4 48.7	-43 16	7.2

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Objects of Interest on Southern Spectrum Plates

[[ten column table]]

1911

Date	No.	Plate	V	H	Object	Design	RA	Dec	Mag
Apr 24	16649	42090			Ma	CDM -42° 1736	4 59.1	-42 40	7.1
Apr 24	16650	42093			Na	CDM -36° 1884	4 43.8	-36 23	
(1900)							4 42.9	-36 25 (1875)	
Apr 24	16651	42094			Mb	CPD -58° 7936	22 7.7	-58 11.2	8.0
Apr 24	16652	42094			Mb	CPD -57° 10070	22 5.6	-57 50.1	8.7
Apr 24	16653	42094			Ma	CPD -57° 10120	22 33.3	-57 40.7	7.9
Apr 24	16654	42094			Ma	CPD -56° 9835	22 4.6	-56 33.7	7.9
Apr 24	16655	42094			Ma	CPD -54° 10089	22 23.7	-54 1.4	9.0
Apr 24	16656	42094			Ma	CPD -52° 12056	22 33.4	-52 6.5	8.7
Apr 24	16657	42094			Mb	CPD -51° 11864	22 39.1	-51 42.4	
[[/strickethrough]] 7.5 [[/strickethrough]] 8.2									
Apr 24	16658	42094			Mc	CPD -11693	22 18.0	-50 27.4	8.7
Apr 24	16659	42095			Mb5	CPD -61° 6768	23 43.2	-61 49.8	8.4
Apr 24	16660	42095			Ma	CPD -58° 48	0 41.0	-58 43.8	8.
[[/strickethrough]] 4 [[/strickethrough]] 2									
Apr 24	16661	42095			Ma5	CPD -58° 51	0 44.4	-58 4.2	8.2
Apr 24	16662	42095			Ma	CPD -57° [[/strickethrough]] 121			
[[/strickethrough]] 116 0 28.8 -57 55.4 9.0									
Apr 24	16663	42095			Mb5	CPD -57° 10398	23 52.6	-57 16.2	7.8
Apr 24	16664	42095			Mb	CPD -56° [[/strickethrough]] 126			
[[/strickethrough]] 121 0 31.8 -56 20.9 8.8									
Apr 24	16665	42097			Mc5d	CPD -62° 372	4 35.6	-62 16	
(1900)									
Apr 24	16666	42099			Na	CPD -57° 513 (1900)	3 10.0	-57 42	
(1900)									
Apr 24	16667	42099			Ma	CDM -51° 720	3 3.5	-51 56	8.3
Apr 24	16668	42101			Ma5	CDM -42° 1736	4 59.1	-42 40.	
[[/strickethrough]] 1 [[/strickethrough]] 3 7.1									
Apr 24	16669	42101			Ma5	CDM -42° 1716	4 57.0	-42 11.1	7.7
Apr 24	16670	42101			Ma	CDM -36° 2263	5 24.3	-36 59.1	8.2
Apr 24	16671	42101			Mc5d	CDM -34° 2092	5 5.2	-34 39	
(1900)									
Apr 24	16672	42101			Md5	CDM -33° 2251	5 15.6	-33 49	
(1900)									
Apr 24	16673	42108			Ma	DM -11° 5912	22 38.6	-11 56	7.2
Apr 24	16674	42108			Mb	DM -5° 5843	22 34.6	-5 51	6.7
Apr 24	16675	42109			Ma	DM -6° 6357	23 57.9	-6 31	5.2
Apr 24	16676	42109			Ma	DM -0° 4585	23 47.4	-0 42	6.2

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Objects of Interest on Southern Spectrum Plates
1911

[[ten column table]]

Date	No.	Plate	V	H	Object	Design	RA	Dec	Mag
Apr. 26	16705	41889				Md5	CPD-67°3748	20 25.2 -67 50.8	9.0
Apr. 26	16706	41889				Ma	CPD-71°2566	20 26.0	[crossed-out]
Apr. 26	16707	41890				Ma5	CDM-41°13988	20 13.4 -41 8.8	7.0
Apr. 26	16708	41890				Ma	CDM-39°13800	20 18.9 -39 23.4	7.9
Apr. 26	16709	41890				Mb5	CDM-37°13682	20 12.6 -37 15.0	8.0
Apr. 26	16710	41890				Mb	CDM-36°14011	20 8.3 -36 50.4	6.5
Apr. 26	16711	41891				Mb	CDM-44°14935	22 22.3 -44 23.3	4.4
Apr. 26	16712	41891				Mb5	CDM-36°15166	21 57.3 -35 17.6	7.5
Apr. 26	16713	41892				Mb	CDM-34°14610	21 1.1 -34 34.5	7.7
Apr. 26	16714	41892				Mb	CDM-33°15210	21 7.1 -33 42.2	5.2
Apr. 26	16715	41892				Ma	CDM-30°10110	17 1.1 -30 32.5	6.8
Apr. 26	16716	41893				Na	DM-7°4633	18 29.2 -7 43.0	9.0
Apr. 26	16717	41895				Ma	CDM-30°1789	[crossed-out]	2
Apr. 26	16718	41895				Mc5d	CDM-28°16682	20 20.3 -28 40.0	7.5
Apr. 26	16719	41895				Mb	CDM-27°15026	20 39.2 -27 40.7	7.9
Apr. 26	16720	41896				Ma	[[crossed-out]]	CPD[[crossed-out]]	CDM-32°17282
Apr. 26	16721	41896				Ma	CDM-3	[[crossed-out]]	4
Apr. 26	16722	41896				Mc5d	CDM-30°19448	23 2.3 -30 48.8	7.8
Apr. 26	16723	41896				Mc5d	CDM-30°19355	22 48.5 -30 16.7	8.3
Apr. 26	16724	41897				Ma	DM-14°2251	4 1.1 -14 16.2	6.8
Apr. 26	16725	41897				Ma	DM-12°18310	53.3 -12 58.5	8.1
Apr. 26	16726	41948				Ma	CDM-47°13708	21 0.7 -47 16.2	8.0
Apr. 26	16727	41948				Na	CDM-45°14302	21 13.6 -45 27(1900)	6.0
Apr. 26	16728	41949				Ma	CDM-48°14257	22 29.1 -48 57	6.9
Apr. 26	16729	41949				Ma5	CDM-43°15290	23 4.4 -43 40	8.2
Apr. 26	16730	41949				Mb	CDM-41°15163	23 3.2 -41 16	6.2
Apr. 26	16731	41963				Ma5	CDM-47°3891	14.2 -47 57	7.2
Apr. 26	16732	41963				Ma	CDM-47°4401	24.2 -47 24	6.6

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Type III

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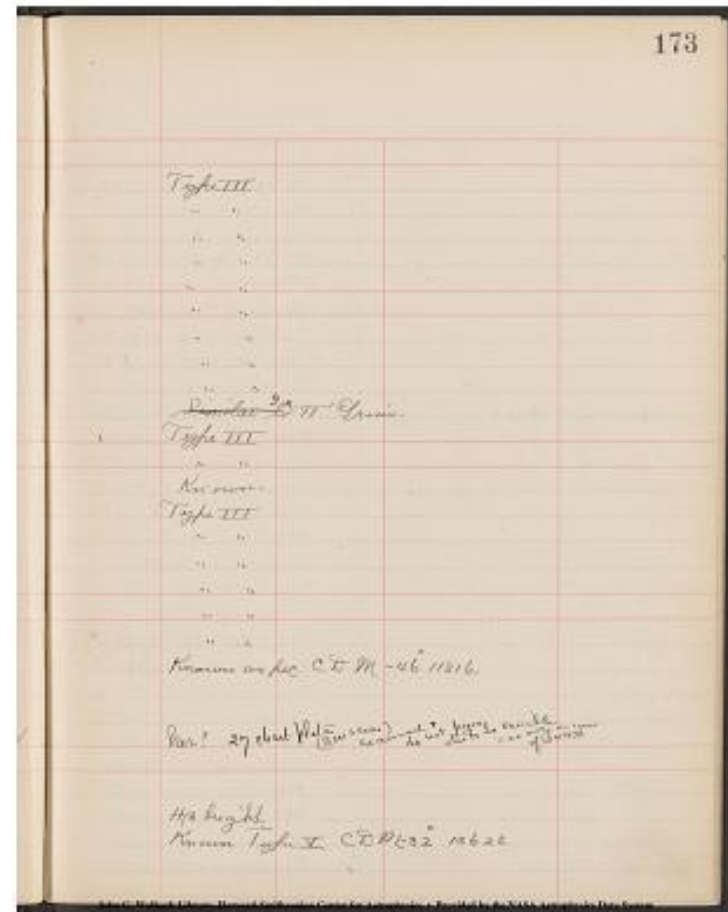
Type III

Known as Rec. CDM -46° 11816

Var? 27 chart plates (AM series) examined & do not prove star to be variable see note on cover of B 41876

H Beta bright

Known Type V CDM -32° 13623



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Objects of Interest on Southern Spectrum Plates

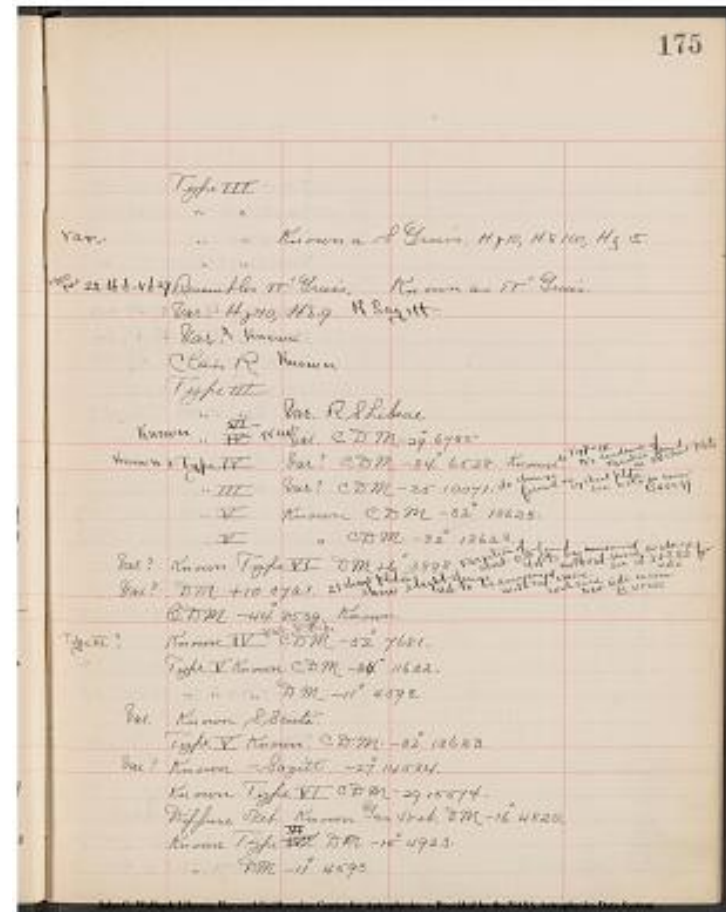
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1911

Date	No	Plate	V	H	Object	Design	R.A.	Dec.	Mag.
Apr. 26	16761	B41899			Ma5 CDM -51° 13342 22 31.8 -51 20 7.7				
Apr. 26	16762	B41899			Ma CDM -48° 14257 22 29.1 -48 57 6.9				
Apr. 26	16763	B41899			Md8 Announced pos. (1900) 22 19.9 -48 57				
Apr. 26	16764	B41899			Ma CDM -48° 14181 22 11.4 -48 40 8.5				
Apr. 26	16765	B41899			Pec CDM -46° 14292 22 15.1 -46 35 6.7				
Apr. 26	16766	B41979			Md4 DM -19° 5367 19 8.2 -19 34 var				
Apr. 26	16767	B41979			Na DM -16° 5292 19 10.9 -16 10 6.8				
Apr. 26	16768	B41979			Type VI DM -10° 5057 19 12.4 -10 49 7.0				
Apr. 26	16769	B41979			Mb DM -10° 5035 19 10.9 -16 10 6.8				
Aug. 11, 1909	16770	B39229			[Mc5d Announced pos. 15 18.5 -22 33 (1900)				
Oct. 9, 1909	16771	B40292			[Class R CDM -29° 6735 8 42.4 -29 22 (1900) 7.9				
Oct. 9, 1909	16772	B40293			[Pec. CDM -34° 6528 10 7.5 -34 50 (1900)				
Oct. 9, 1909	16773	B40299			[Mc5d CDM -25° 10071 13 48.3 -25 49 7.7				
Oct. 9, 1909	16774	B40322			[Br. lines CDM -32° 13623 17 55.2 -32 43 (1900) 8.7				
Oct. 9, 1909	16775	B40329			[Br. lines CDM -32° 13623 17 55.2 -32 43 (1900) 8.7				
Oct. 9, 1909	16776	B40333			[Pec Na DM +6° 3898 18 34.9 +6 41 9.0				
Oct. 9, 1909	16777	B40333			[Mc5d DM +10° 3721 18 47.6 +10 27 8.0				
Oct 19 '10	16778	B40420			[Pec CDM -44° 8539 13 10.7 -32 43 (1900) 8.7				
Sept. 28, '09	16779	B40421			[Pec CDM -52° 7681 14 52.6 -53 0 1900				
Sept. 28, '09	16780	B40431			[Br. lines CDM -34° 11622 17 11.8 -34 18 (1900) 9.0				
Nov. 16, '09	16781	B40608			[Br. lines DM -11° 4593 18 13.5 -11 40 (1900) 8.7				
Nov. 16, '09	16782	B40608			[Na DM -8° 4726 18 44.9 -8 1 (1900)				
Nov. 17, '09	16783	B40612			[Br. lines CDM -32° 13623 17 55.2 -32 43^1900 8.7				
Nov. 15, '09	16784	B40624			[Mc5d CDM -27° 14534 20 0.8 -27 31 (1900)				
Nov. 15, '09	16785	B40632			[Class R CDM -29° 15574 18 52.4 -29 38 (1900) 8.9				
Nov. 15, '09	16786	B40639			[Br. lines DM -16° 4820 18 15.0 -16 13 (1900)				
Nov. 15, '09	16787	B40639			[Cl. IV-VI DM -15° 4923 18 13.6 -15 39 (1900) 9.0				
Nov. 15, '09	16788	B40639			[Type V DM -11° 4593 18 13.5 -11 40 (1900)				

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Type III
 Type III
 var. Type III Known a S Gruis, H gamma 10, H delta 100, H xi 5.
 Type III
 1900 pos 22 16.6 4627 Resembles pi Gruis. Known as pi' Gruis.
 Var. H gamma = 10, H delta = 9. R Sagitt
 Var ~~[[strikethrough]]~~ ? ~~[[/strikethrough]]~~ Known
 Class R Known
 Type III
 Type III Var. RS Librae
 Known Type ~~[[strikethrough]]~~ IV ~~[[/strikethrough]]~~ ^{[[VI]]} New Var. CDM -
 29° 6735.
 Known a Type IV Var ? CDM -34° 6528. Known as Type IV. No
 evidence of variation found on 30 chart plates
 Type III Var ? CDM -25 10071. No change found on 17 chart plates. See
 note on cover B40299
 Type V Known CDM -32° 13623.
 Type V Known CDM -32° 13623.
 Var ? Known Type VI DM +6° 3898. Variation of about 0.5 found. not to
 be announced without more evidence. See B 33286 for note
 Var ? DM +10 3721. 21 chart plates show slight change not to be
 announced without more evidence. See note on cover B [40333
 CDM -44° 8539 Known.
 Type VI ? Known IV CDM -52° 7681. ^{var. V Lupi}
 Type V Known. CDM -34° 11622.
 Type V Known. DM -11° 4593.
 Var. Known S Scuti
 Type V Known. CDM -32° 13623.
 Var ? Known - Sagitt. -27° 14534.
 Known Type VI CDM -29 15574.
 Diffuse neb. Known Gas. Neb. DM -16° 4820.
 Known Type ~~[[strikethrough]]~~ IV ~~[[/strikethrough]]~~ ^{[[VI]]} DM -15° 4923.
 Known DM -11° 4593.



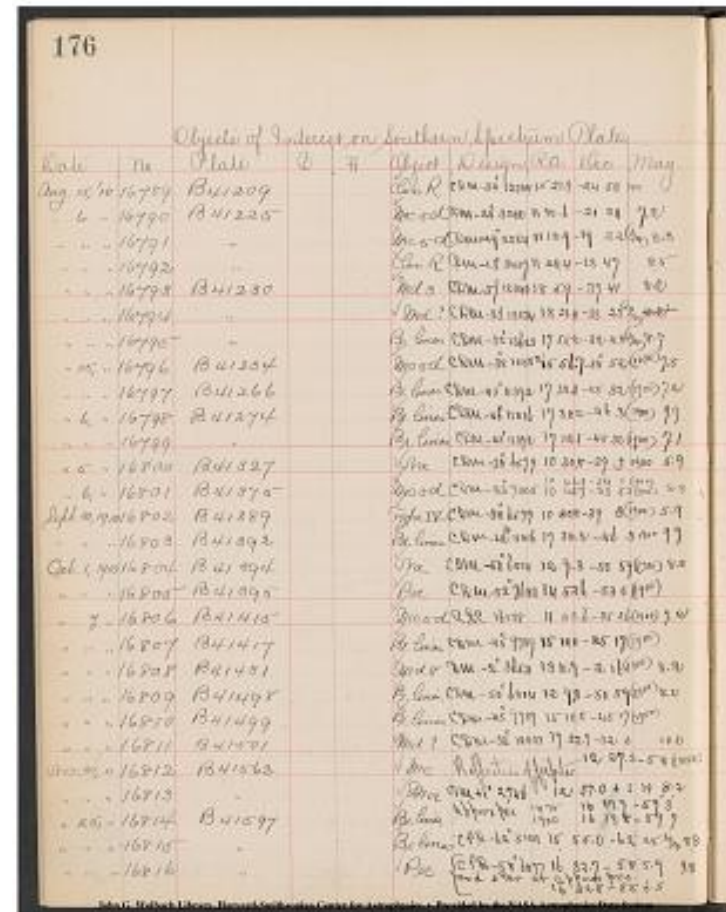
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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

[Date][No.][Plate][V][H][Object][Design][RA][Dec][Mag]

Date	No.	Plate	V	H	Object	Design	RA	Dec	Mag
Aug. 15, '10	16789	B41209			Class R	CDM-24° 12084	15 21.9	-24 50	1900
Aug. 6, '10	16790	B41225			Mc5d	DM-21° 3280	11 10.6	-21 21	7.2
Aug. 6, '10	16791	B41225			Mc5d	DM-19° 3254	11 18.9	-19 22	8.3
Aug. 6, '10	16792	B41225			Class R	DM-13° 3407	11 28.4	-13 47	8.5
Aug. 6, '10	16793	B41230			Md3	CDM-37° 12340	18 5.9	-37 41	8.2
Aug. 6, '10	16794	B41230			Md?	CDM-33° 13234	18 21.4	-33 23	8.2
Aug. 6, '10	16795	B41230			Br. lines	CDM-32° 13623	17 55.2	-32 4.3	8.7
Aug. 15, '10	16796	B41234			Mc5d	CDM-38° 10852	15 56.7	-38 52	7.8
Aug. 15, '10	16797	B41266			Br. lines	CDM-45° 11392	17 12.1	-45 32	7.2
Aug. 6, '10	16798	B41274			Br. lines	CDM-46° 11816	17 38.2	-46 3	9.9
Aug. 6, '10	16799	B41274			Br. lines	CDM-45° 11392	17 12.1	-45 32	7.1
Aug. 5, '10	16800	B41327			Na	CDM-38° 6579	10 30.8	-39 3	1900
Aug. 6, '10	16801	B41375			Mc5d	CDM-33° 7305	10 46.9	-33 5.3	1900
Sept. 30, 1910	16802	B41389			Type IV	CDM-38° 6579	10 30.8	-39 3	1900
Sept. 30, 1910	16803	B41392			Br. Lines	CDM-46° 11816	17 38.2	-46 3	1900
Oct. 1, 1910	16804	B41394			Na	CDM-50° 6814	12 9.3	-50 59	1900
Oct. 1, 1910	16805	B41395			Pec.	CDM-52° 7681	14 52.6	-53 0	1900
Oct. 7, 1910	16806	B41415			Mc5d	[[ALC?]] 16138	11 43.6	-35 26	1900
Oct. 7, 1910	16807	B41417			Br. lines	CDM-45° 9789	15 10.0	-45 17	1900
Oct. 7, 1910	16808	B41431			Md8	DM-2° 3653	13 8.9	-2 16	1900
Oct. 7, 1910	16809	B41498			Br. lines	CDM-50° 6814	12 9.3	-50 59	1900
Oct. 7, 1910	16810	B41499			Br. lines	CDM-45° 9789	15 10.0	-45 17	1900
Oct. 7, 1910	16811	B41501			Md?	CDM-32° 12833	17 22.7	-32 0	1900
Nov. 30, 1910	16812	B41562			Mc	Reflection of Jupiter	12 27.3	-5 8	1855
Nov. 30, 1910	16813	B41562			Ma	DM+1° 2746	12 37.0	+1 19	8.2
Nov. 25, 1910	16814	B41597			Br. lines	approx pos	16 19.8	-59 7	1900
Nov. 25, 1910	16815	B41597			Br. lines	CPD-62° 5141	15 55.0	-62 25	1900
Nov. 25, 1910	16816	B41597			Pec.	[[?]] CPD-58° 6877	16 32.8	-58 5.9	1900



6.5[[^]]9.8[[/^]] |

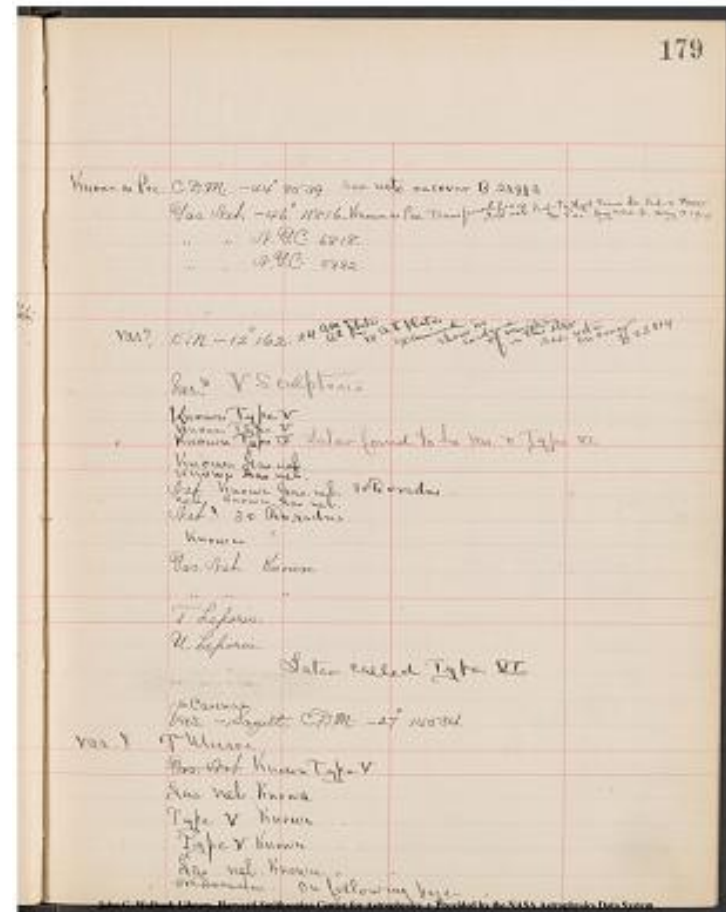
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Known as Pec. C.D.M. -44° 8539 see note on cover B 22993
 Gas neb. -46° 11816. Known as Pec. Transferred from gas neb list-to
 Hyd line br. list w/ them to Pec. by Mrs. F. May 7, 1910

Gas. Neb N.G.C. 6818.
 Gas Neb. N.G.C. 5882.

var? DM -12° 162. 24 AM or AC plates ~~[[?]]~~ 18 AI plates examined -
 show no evidence of variation in this star. See note on cover B23814

Var~~[[strikethrough]]~~?~~[[strikethrough]]~~ VS
 Sculptoris
 Known Type V
 Known Type V
 Known Type IV Later found to be var.~~[[?]]~~ Type
 VI
 Known Gas. neb.
 Known Gas. neb.
 Neb. Known Gas. neb. 30 Doradus.
 neb Known Gas neb.
 Neb~~[[strikethrough]]~~?~~[[strikethrough]]~~ 30
 Doradus.
 Known
 Gas. Neb. Known
 Gas. Neb. Known
 T Leporis.
 U Leporis
 Later called Type VI
 S Carinae
 Var. - Sagitt. C.D.M. -27° 14534.
 var. ~~[[strikethrough]]~~?~~[[strikethrough]]~~ T
 Micros.
~~[[strikethrough]]~~Gas. Neb.
~~[[strikethrough]]~~Known Type V
 Gas neb. Known
 Type V Known
 Type V Known
 Gas neb. Known
~~[[strikethrough]]~~30 Doradus~~[[strikethrough]]~~
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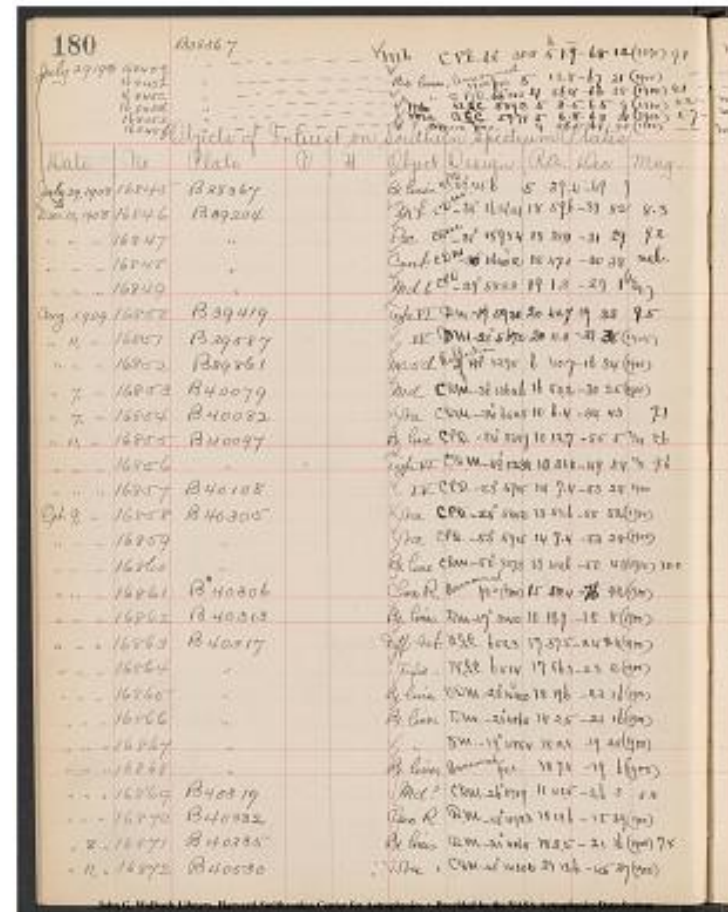
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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

July 29 1908 [[arrow down to below other July 29, 1908?]]
 16845a | B38367[[check mark]]| Mb | CPD-68° 304| 5 1.9| -68
 12(1895)|9.1
 16845b | B38367[[check mark]]| Br. lines | Announced 1900 pos.| 5 13.8|
 -67 31(1900)|--
 16845c | B38367[[check mark]]| Br. lines | CPD-66°343| 4 56.4| -66
 38(1900)|9.1
 16845d | B38367[[check mark]]| Mb | AGC 5892| 5 3.5| -65 9(1900)|8.2
 16845e | B38367[[check mark]]| Ma | AGC 5971| 5 6.8| -63 31(1900)|5.7
 16845f | B38367[[check mark]]| ? | approx pos. | 4 56.0| -69 35(1900)|--

Date	No.	Plate	V	H	Object	Design.	RA.	Dec.	Mag.	
July 29, 1908	16845	B38367			Br. lines	CPD-69°456	5 39.4	-69 9		
Dec. 10, 1908	16846	B39204			Mb	CDM-31°16364	18 59.6	-31 52	8.3	
Dec. 10, 1908	16847	B39204			Pec.	CDM-31°15954	18 38.4	-31 29	9.2	
Dec. 10, 1908	16848	B39204			Cont.	CDM-30°164			[[crossed-out]]	
Dec. 10, 1908	16849	B39204			Md6	CPD-29°5883	19 1.3	-39 1	(1900)	
Aug. 1909	16850	B39419			Type VI	DM-19°5930	20 40.7	-19 33	9.5	
Aug. 11, 1909	16851	B39587			Type IV	DM-21°5672	20 11.3	-21 39	(1900)	
Aug. 11, 1909	16852	B39861			Mc5d	Reflection of HP.1275	6 40.7	-16 34	(1900)	
Aug. 7, 1909	16853	B40079			Md	CDM-30°13626	16 50.2	-30 25	(1900)	
Aug. 7, 1909	16854	B40082			Na	CDM-34°6528	10 6.4	-34 43	7.1	
Aug. 11, 1909	16855	B40097			Br. line	CPD-54°3389	10 12.7	-55 5	1900 8.6	
Aug. 11, 1909	16856	B40097			Type VI	CDM-49°5234	10 21.0	-49 54	1900 9.6	
Aug. 11, 1909	16857	B40108			Type IV	CPD -53°5915	14 7.4	-53 28	1900	
Oct. 9, 1909	16858	B40305			Na	CPD-55°5802	13 51.6	-55 52	(1900)	
Oct. 9, 1909	16859	B40305			Na	CPD-53°5915	14 7.4	-53 28	(1900)	
Oct. 9, 1909	16860	B40305			Br. line	CDM-50°8073	13 44.6	-50 43	(1900) 10.0	
Oct. 9, 1909	16861	B40306			Class R	announced pos	(1900) 15 52.4	-76 42	(1900)	
Oct. 9, 1909	16862	B40313			Br. lines	DM-17°3140	10 19.9	-18 8	(1900)	
Oct. 9, 1909	16863	B40317			Diff. Neb.	NGC 6523	17 57.5	-24 24	(1900)	
Oct. 9, 1909	16864	B40317			Trifid	NGC 6514	17 56.3	-23 2	(1900)	
Oct. 9, 1909	16865	B40317			Br. lines	CDM-13°23	14350	18 19.6	-23 16	(1900)
Oct. 9, 1909	16866	B40317			Br. lines	DM-21°4864	18 2.5	-21 16	(1900)	
Oct. 9, 1909	16867	B40317			Br. lines	DM-19°4854	18 2.1	-19 25	(1900)	
Oct. 9, 1909	16868	B40317			Br. lines	announced pos.	18 7.8	-19 6	(1900)	
Oct. 9, 1909	16869	B40319			Md?	CDM-26°8789	11 42.5	-26 3	5.8	
Oct. 9, 1909	16870	B40332			Class R	DM-15°4923	18 13.6	-15 39	(1900)	
Oct. 8, 1909	16871	B40335			Br. lines	DM-21°4864	18 2.5	-21 16	(1900) 7.8	
Oct. 11, 1909	16872	B40530			Na	CDM-45°14302	21 13.6	-45 27	(1900)	



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Date	No.	Plate	V	H	Object	Design.	RA	Dec.	Mag.
Nov. 16, '09	16873	B 40573			Md10	DM -22° 3601	13 24.2	-22 46 (1900)	
Nov. 17, '09	16874	B 40577			Br. lines	DM -21° 4864	18 2.5	-21 16 (1900)	7.8
Nov. 17, '09	16875	B 40577			Br. lines	DM -19° 4854	18 2.1	-19 25 (1900)	9.6
Nov. 17, '09	16876	B 40577			Na?	DM -18° 4634	17 36.4	-18 36	8.5
Nov. 17, '09	16877	B 40586			Br. lines	DM -14° 5523	19 38.3	-14 24 (1900)	
Nov. 16, '09	16878	B 40590			Br. lines	DM -16° 4820	18 15.0	-16 13 (1900)	neb.
Nov. 16, '09	16879	B 40590			Cl. IV-VI	DM -15° 4923	18 13.6	-15 39 (1900)	9.0
Nov. 16, '09	16880	B 40590			Type V	DM -11° 4593	18 13.5	-11 40 (1900)	8.7
Nov. 16, '09	16881	B 40594			Br. lines	DM -16° 4820	18 15.0	-16 13 (1900)	
Nov. 16, '09	16882	B 40594			Cl. IV-VI	DM -15° 4923	18 13.6	-15 39 (1900)	9.0
Nov. 16, '09	16883	B 40595			Md9	CDM -27° 14534	20 0.8	-27 31 (1900)	
Nov. 16, '09	16884	B 40599			Br. lines	DM -11° 5511	20 58.7	-11 46 (1900)	neb.
Nov. 26, '09	16885	B 40715			Br. lines	DM -21° 4864	18 2.5	-21 16 (1900)	7.8
Nov. 27, '09	16886	B 40721			Mb	CDM -33° 13234	18 21.4	-33 23 (1900)	
Nov. 27, '09	16887	B 40721							
Gas. Neb.	CDM -33° 13537	18 39.3	-33 27 (1900)						
Nov. 27, '09	16888	B 40730			Br. lines	CDM -41° 10972	16 45.3	-41 41 (1900)	
Nov. 27, '09	16889	B 40730			Br. lines	CDM -41° 11041	16 47.3	-41 40 (1900)	
Nov. 26, '09	16890	B 40731			Br. lines	CDM -34° 11622	17 11.8	-34 18 (1900)	9.0
Nov. 26, '09	16891	B 40731			Br. lines	CDM -35° 11923	17 40.8	-35 39 (1900)	8.0
Nov. 27, '09	16892	B 40734			Br. lines	CDM -37° 11206	16 57.2	-37 42 (1900)	7.1
Nov. 27, '09	16893	B 40734			Br. lines	CDM -41° 10957	16 44.5	-41 4 (1900)	5.9
Nov. 27, '09	16894	B 40734			Br. lines	CDM -40° 10919	16 48.0	-41 0 (1900)	6.4
Nov. 27, '09	16895	B 40734			Br. lines	CDM -41° 10972	16 45.3	-41 41 (1900)	7.3
Nov. 27, '09	16896	B 40734			Br. lines	CDM -41° 11041	16 47.3	-41 40 (1900)	8.0
Nov. 27, '09	16897	B 40738			Mc5d	CDM -28° 16682	20 21.8	-28 35 (1900)	
Nov. 27, '09	16898	B 40736			Br. lines	CDM -41° 10972	16 45.3	-41 41 (1900)	7.3
Nov. 27, '09	16899	B 40736			Br. lines	CDM -41° 11041	16 47.3	-41 40 (1900)	8.0
Nov. 27, '09	16900	B 40740			Br. lines	CDM -41° 10972	16 45.3	-41 41 (1900)	7.3

Objects of Interest on Southern Spectrum Plates

Date	No.	Plate	V	H	Object	Design.	RA	Dec.	Mag.
Nov. 16, '09	16873	B 40573			Md10	DM -22° 3601	13 24.2	-22 46 (1900)	
Nov. 17, '09	16874	B 40577			Br. lines	DM -21° 4864	18 2.5	-21 16 (1900)	7.8
Nov. 17, '09	16875	B 40577			Br. lines	DM -19° 4854	18 2.1	-19 25 (1900)	9.6
Nov. 17, '09	16876	B 40577			Na?	DM -18° 4634	17 36.4	-18 36	8.5
Nov. 17, '09	16877	B 40586			Br. lines	DM -14° 5523	19 38.3	-14 24 (1900)	
Nov. 16, '09	16878	B 40590			Br. lines	DM -16° 4820	18 15.0	-16 13 (1900)	neb.
Nov. 16, '09	16879	B 40590			Cl. IV-VI	DM -15° 4923	18 13.6	-15 39 (1900)	9.0
Nov. 16, '09	16880	B 40590			Type V	DM -11° 4593	18 13.5	-11 40 (1900)	8.7
Nov. 16, '09	16881	B 40594			Br. lines	DM -16° 4820	18 15.0	-16 13 (1900)	
Nov. 16, '09	16882	B 40594			Cl. IV-VI	DM -15° 4923	18 13.6	-15 39 (1900)	9.0
Nov. 16, '09	16883	B 40595			Md9	CDM -27° 14534	20 0.8	-27 31 (1900)	
Nov. 16, '09	16884	B 40599			Br. lines	DM -11° 5511	20 58.7	-11 46 (1900)	neb.
Nov. 26, '09	16885	B 40715			Br. lines	DM -21° 4864	18 2.5	-21 16 (1900)	7.8
Nov. 27, '09	16886	B 40721			Mb	CDM -33° 13234	18 21.4	-33 23 (1900)	
Nov. 27, '09	16887	B 40721							
Gas. Neb.	CDM -33° 13537	18 39.3	-33 27 (1900)						
Nov. 27, '09	16888	B 40730			Br. lines	CDM -41° 10972	16 45.3	-41 41 (1900)	
Nov. 27, '09	16889	B 40730			Br. lines	CDM -41° 11041	16 47.3	-41 40 (1900)	
Nov. 26, '09	16890	B 40731			Br. lines	CDM -34° 11622	17 11.8	-34 18 (1900)	9.0
Nov. 26, '09	16891	B 40731			Br. lines	CDM -35° 11923	17 40.8	-35 39 (1900)	8.0
Nov. 27, '09	16892	B 40734			Br. lines	CDM -37° 11206	16 57.2	-37 42 (1900)	7.1
Nov. 27, '09	16893	B 40734			Br. lines	CDM -41° 10957	16 44.5	-41 4 (1900)	5.9
Nov. 27, '09	16894	B 40734			Br. lines	CDM -40° 10919	16 48.0	-41 0 (1900)	6.4
Nov. 27, '09	16895	B 40734			Br. lines	CDM -41° 10972	16 45.3	-41 41 (1900)	7.3
Nov. 27, '09	16896	B 40734			Br. lines	CDM -41° 11041	16 47.3	-41 40 (1900)	8.0
Nov. 27, '09	16897	B 40738			Mc5d	CDM -28° 16682	20 21.8	-28 35 (1900)	
Nov. 27, '09	16898	B 40736			Br. lines	CDM -41° 10972	16 45.3	-41 41 (1900)	7.3
Nov. 27, '09	16899	B 40736			Br. lines	CDM -41° 11041	16 47.3	-41 40 (1900)	8.0
Nov. 27, '09	16900	B 40740			Br. lines	CDM -41° 10972	16 45.3	-41 41 (1900)	7.3

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Date|No.|Plate|V|H|Object|Design|RA|Dec|Mag

Nov 27, 09|16901|B40740||Br.lines|CDM[[strikethrough]]-11°10972|16
45.3|-41 41(1900)|7.3[[/strikethrough]]-40°11041|16 47.3|-41
40(1900)|8.0Nov 27, 09|16902|B40740||Pec.|CDM[[strikethrough]]-40°11041|16
47.3|-41 40(1900)|8.0[[/strikethrough]]-37°11507|17 14.1|-37
40(1875)|6.9Nov 27, 09|16903|B40740||Br.lines|CDM[[strikethrough]]-37°11507|17
14.1|-37 40|6.9[[/strikethrough]]-36°11341|14 7.0|-37 0(1900)|Nov 27, 09|16904|B40740||Br.lines|CDM[[strikethrough]]-36°11341|17
7.0|-37 (1900)|[[/strikethrough]]-34°11622|17 11.8|-34 18(1900)|9.0Nov 27, 09|16905|B40741||Br.lines|CDM[[strikethrough]]-34°11622|17
11.8|-34 18|9.0[[/strikethrough]]-39°13207|19 10.5|-39 47(1900)Nov 27, 09|16906|B40742||Md4|CDM[[strikethrough]]-39°13207|19
10.5|-39 47(1900)|[[/strikethrough]]-30°18609|21 20.8|-30 17(1900)Nov 27, 09|16907|B40744||Md10|CDM[[strikethrough]]-30°18609|21
20.8|-30 17(1900)|[[/strikethrough]]-30°13626|16 50.2|-30 25(1900)Nov 27, 09|16908|B40749||Md4|CDM-30°18609|21 20.8|-30 17(1900)
April 11, 1910|16908a|B23123||Br.line|announced pos.(1900)|19

42.2|+28 71?

Aug. 2, 10|16909|B40845||Mc5d|DM-7°57|0 19.7|-7 24|9.1

Aug. 2, 10|16910|B40845||Mc5d|DM-12°72|0 20.7|-12 27|6.7

Aug. 2, 10|16911|B40846||Br.line|DM-11°4593|18 11.0|-11 41|8.7

Aug. 2, 10|16912|B40847||C.R|DM-10°5057|19 15.2|-10 59|7.0

Aug. 2, 10|16913|B40852||Diff.Ref.|DM-16°4820|18 12.4|-16 14|neb.

Aug. 2, 10|16914|B40852||C.R|DM-15°4923|18 11.0|-15 40|9.0

Aug. 2, 10|16915|B40852||Br.line|DM-11°4593|18 11.0|-11 41|8.7

Aug. 2, 10|16916|B40855||Br.line?|approx pos.|17 50.8|-40 15|

Aug. 2, 10|16917|B40855||Pec.|CDM-36°12264|18 0.8|-36 59|8.3

Aug. 2, 10|16918|B40857||Md5|CDM-39°13722|20 11.1|-39 25(1900)

Aug. 2, 10|16919|B40866||C.R|DM-21°6376|23 3.9|-21 47|9.0

Aug. 2, 10|16920|B40870||Pec.|CDM-45°14302|21 11.9|-45 33|6.0

Aug. 2, 10|16921|B40895||Md4|CDM-45°12699|18 34.1|-45 54|9.1

Aug. 2, 10|16922|B40934||Md6|AGC 31191 CPD-58°8021|22 49.4|-58

4(1875)|8.0

Aug. 2, 10|16923|B41053||Type VI|CPD-54°9810|21 3.2|-54

7°|1900||10.0

July 28, 10|16924|B41080||Sra|CDM-36°1884|4 43.8|-36 23(1900)|7.6

July 28, 10|16925|B41088||Sra|CDM-25°2539|5 31.7|-25 48(1900)|7.5

July 28, 10|16926|B41088||Contphazy?|CDM-

24°305[[/strikethrough]]9[[/strikethrough]]^[[8]]|5 19.0|-24 39|neb.

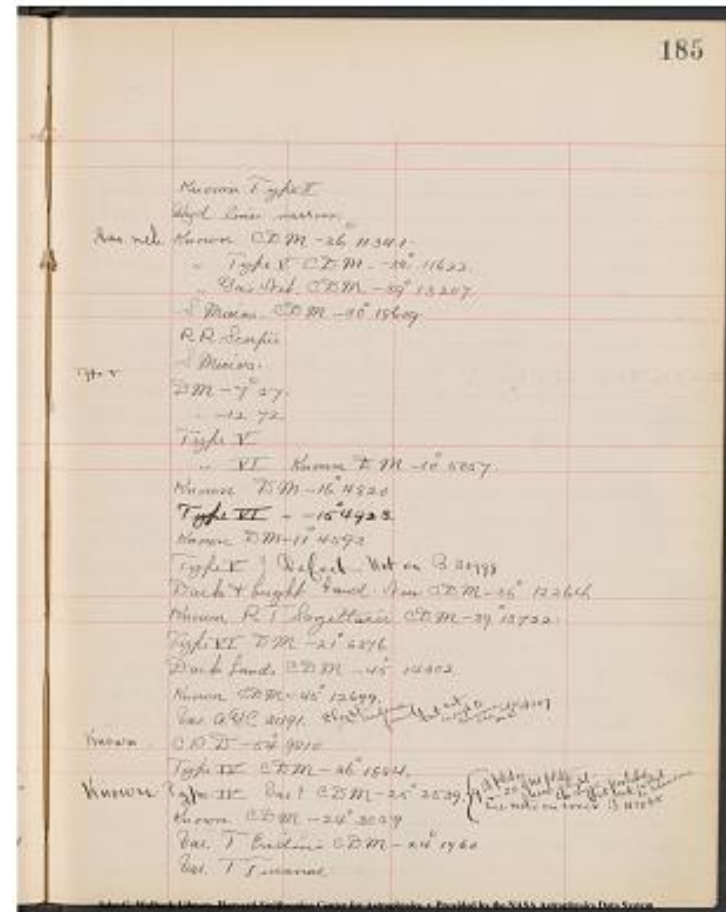
July 28, 10|16927|B41089||Md5|CDM-24°1960|3 51.0|-24 20^[[1900]]|7.4

July 28, 10|16929|B41091||Md5|CPD-62°6358|22 34.0|-62 4(1900)

Date	No.	Plate	V	H	Object	Design	RA	Dec	Mag
Nov 27, 09	16901	B40740			Br.lines	CDM	-11°10972	16 45.3 -41 41(1900)	7.3
"	16902	"			Pec.	CDM	-40°11041	16 47.3 -41 40(1875)	6.9
"	16903	"			Br.lines	CDM	-37°11507	17 14.1 -37 40(1900)	
"	16904	"			Br.lines	CDM	-36°11341	17 7.0 -37 (1900)	
"	16905	"			Br.lines	CDM	-34°11622	17 11.8 -34 18(1900)	9.0
"	16906	"			Md4	CDM	-39°13207	19 10.5 -39 47(1900)	
"	16907	"			Md10	CDM	-30°18609	21 20.8 -30 17(1900)	
"	16908	"			Md4	CDM	-30°13626	16 50.2 -30 25(1900)	
"	16908a	"			Br.line	announced pos.	(1900)	19 42.2 +28 71?	
Aug. 2, 10	16909	B40845			Mc5d	DM	-7°57	0 19.7 -7 24	9.1
Aug. 2, 10	16910	B40845			Mc5d	DM	-12°72	0 20.7 -12 27	6.7
Aug. 2, 10	16911	B40846			Br.line	DM	-11°4593	18 11.0 -11 41	8.7
Aug. 2, 10	16912	B40847			C.R	DM	-10°5057	19 15.2 -10 59	7.0
Aug. 2, 10	16913	B40852			Diff.Ref.	DM	-16°4820	18 12.4 -16 14	neb.
Aug. 2, 10	16914	B40852			C.R	DM	-15°4923	18 11.0 -15 40	9.0
Aug. 2, 10	16915	B40852			Br.line	DM	-11°4593	18 11.0 -11 41	8.7
Aug. 2, 10	16916	B40855			Br.line?	approx pos.	17 50.8 -40 15		
Aug. 2, 10	16917	B40855			Pec.	CDM	-36°12264	18 0.8 -36 59	8.3
Aug. 2, 10	16918	B40857			Md5	CDM	-39°13722	20 11.1 -39 25(1900)	
Aug. 2, 10	16919	B40866			C.R	DM	-21°6376	23 3.9 -21 47	9.0
Aug. 2, 10	16920	B40870			Pec.	CDM	-45°14302	21 11.9 -45 33	6.0
Aug. 2, 10	16921	B40895			Md4	CDM	-45°12699	18 34.1 -45 54	9.1
Aug. 2, 10	16922	B40934			Md6	AGC 31191 CPD	-58°8021	22 49.4 -58 4(1875)	8.0
Aug. 2, 10	16923	B41053			Type VI	CPD	-54°9810	21 3.2 -54 7° 1900	10.0
July 28, 10	16924	B41080			Sra	CDM	-36°1884	4 43.8 -36 23(1900)	7.6
July 28, 10	16925	B41088			Sra	CDM	-25°2539	5 31.7 -25 48(1900)	7.5
July 28, 10	16926	B41088			Contphazy?	CDM	-24°305	9 5 19.0 -24 39 neb.	
July 28, 10	16927	B41089			Md5	CDM	-24°1960	3 51.0 -24 20^[[1900]]	7.4
July 28, 10	16929	B41091			Md5	CPD	-62°6358	22 34.0 -62 4(1900)	

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185
 Known type I
 Hyd. lines narrow.
 Gas. neb. Known CDM -36° 11341.
 Known Type V C.D.M. -34° 11622.
 Known Gas. Neb. C.D.M. -39° 13207.
 S [[Micros.??]] CDM -30° 18609.
 R R Scorpii
 S [[Micros.??]]
 ^[[Type V]] DM -7° 57.
 DM -12 72.
 Type V
 Type V VI Known DM -10° 5057.
 Known DM -16° 4820
 Type VI DM 15° 4923.
 Known DM -11° 4593
 Type V? Defect. Not on B 38999
 Dark & Bright band. [[??]] CDM -36° 12264.
 Known RT Sagittarii CDM -39° 13722.
 Type VI DM -21° 6376.
 Dark bands CDM -45° 14302.
 Known CDM -45° 12699.
 Var. ASC 31191. Slight evidence found but not enough to announce see
 note on B 36347
 Known CPD -54° 9810.
 Type IV CDM -36° 1884.
 Known Type IV Var? CDM -25° 2539 {q B plates & 20 A M plates show
 slight change but probably not enough to announce see note on cover B
 41088
 Known CDM -24° 3059.
 Var. T [[Eridini?]] CDM -24° 1960
 Var. T [[Tucanae?]]



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July 29, '10|16929|B41147| |[[[?]]]CPD -59° 1591|9 56.7|-59 44

(1900)|9.6

July 29, '10|16930|B41147| |Br. lines|CPD -59° 2450|10 37.4|-59 9

(1900)|6.8

July 29, '10|16931|B41147| |Br. lines|CPD -58° 2546|10 37.8|-58 15

(1900)|8.8

July 29, '10|16932|B41147| |Br. lines|CPD -59° 2548|10 40.1|-59 36

(1900)|6.8

July 29, '10|16933|B41147| |Br. lines|CPD -59° 2620|10 41.2|-59 10

(1900)|8.4

July 29, '10|16934|B41154| |Br. lines|CPD -64° 1629|11 2.3|-64 58

(1900)|8.3

[[[?]]]July 29, '10|16935|B41154| |Gas.Neb.

[[[?]]]

July 29, '10|16936|B41168| |Br. lines|CDM -43° 5103|9 11.8|-43

44|5.6

July 29, '10|16937|B41169| |[[[N.A.?]]]CDM -34° 6528|10 7.5|-34 50

(1900)|7.1

July 30, '10|16938|B41175| |Pec.|DM -13° 3407|11 28.4|-13 47

(1855)|8.5

Oct 7, '10|16939|B41418| |Md?|CDM -47° 11147|16 47.3|-47 37|9.6

Oct 7, '10|16940|B41418| |Br. lines|CDM -45° 11392|17 21.1|-45 32

1900|7.1

Oct 7, '10|16941|B41418| |Md6|CDM -44° 11274|16 48.4|-44 50

1900|

Oct 7, '10|16942|B41427| |[[[?]]]B5|Approx. Pos. 1900|12 31.5|-45.3|

Oct 7, '10|16943|B41427| |[[[?]]]BA|Approx. Pos. 1900|12 45.0|-42.0|

Sept 28, '09|16944|B40461| |Pec.|CDM -52° 7681|14 52.6|-53 0

(1900)|

Oct. 13, '10|16945|B41703| |Pec.|CDM -44° 8539 (1900)|13 10.7|-44

10 (1900)|7.5

Oct. 13, '10|16945a|B41704| |Br. lines|Announced 1900 pos.|16

33.0|-52 14|

Oct. 13, '10|16946|B24213| |IV Type|DM -15° 4923|18 13.6|-15 39

1900|

Oct. 13, '10|16947|B24213| |Br. lines|DM -21° 4864|18 2.5|-21 16

(1900)|

Oct. 13, '10|16948|B24213| |IV Type|DM -19° 4854|18 2.4|-19 25

1900|

Oct. 13, '10|16948a|B24213| |Br. lines| |18 7.8|-19 6 1900|

Oct. 13, '10|16949|B24213| |[[[Neb?]]]DM -16° 4820|18 15.0|-16 13

(1900)|

Oct. 1900|16950|B24286| |Type IV|DM -5° 4858|18 56.7|-5 54|7.0

Oct. 1900|16951|B24584| |Mc5d|DM -11° 6062|23 15.2|-11 37|9.4

Oct. 20, '10|16952|B41759| |Md?|AGC 27440|19 56.9|-38 13

(1900)|5.0

Probably Oct. 1900|16953|B24746| |Type IV|DM -4° 1708|6 46.0|-4

24|9.0

Probably Oct. 1900|16954|B24746| |Type IV|DM -3° 1685|6 53.8|-3

3|7.7

Aug. 2, 1911|16955|B41063| |Md5|Approx{1875 1900|20 56.9 20

58.4|-33 46 -33 40|

Apr 26, 1911|16956|B41900| |Ma|CDM -146|0 21.1|-34 34|7.7

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Objects of Interest on Southern Spectrum Plates									
Date	No.	Plate	V	H	Object	Design	Ra.	Dec.	Mag.
July 29, '10	16929	B41147			Br. lines	CPD -59° 1591	9 56.7	-59 44	9.6
July 29, '10	16930	B41147			Br. lines	CPD -59° 2450	10 37.4	-59 9	6.8
July 29, '10	16931	B41147			Br. lines	CPD -58° 2546	10 37.8	-58 15	8.8
July 29, '10	16932	B41147			Br. lines	CPD -59° 2548	10 40.1	-59 36	6.8
July 29, '10	16933	B41147			Br. lines	CPD -59° 2620	10 41.2	-59 10	8.4
July 29, '10	16934	B41154			Br. lines	CPD -64° 1629	11 2.3	-64 58	8.3
July 29, '10	16935	B41154			Gas. Neb.				
July 29, '10	16936	B41168			Br. lines	CDM -43° 5103	9 11.8	-43 44	5.6
July 29, '10	16937	B41169			[[[N.A.?]]]	CDM -34° 6528	10 7.5	-34 50	7.1
July 30, '10	16938	B41175			Pec.	DM -13° 3407	11 28.4	-13 47	8.5
Oct 7, '10	16939	B41418			Md?	CDM -47° 11147	16 47.3	-47 37	9.6
Oct 7, '10	16940	B41418			Br. lines	CDM -45° 11392	17 21.1	-45 32	7.1
Oct 7, '10	16941	B41418			Md6	CDM -44° 11274	16 48.4	-44 50	
Oct 7, '10	16942	B41427			[[[?]]]B5	Approx. Pos. 1900	12 31.5	-45.3	
Oct 7, '10	16943	B41427			[[[?]]]BA	Approx. Pos. 1900	12 45.0	-42.0	
Sept 28, '09	16944	B40461			Pec.	CDM -52° 7681	14 52.6	-53 0	
Oct. 13, '10	16945	B41703			Pec.	CDM -44° 8539 (1900)	13 10.7	-44 10	7.5
Oct. 13, '10	16945a	B41704			Br. lines	Announced 1900 pos.	16 33.0	-52 14	
Oct. 13, '10	16946	B24213			IV Type	DM -15° 4923	18 13.6	-15 39	1900
Oct. 13, '10	16947	B24213			Br. lines	DM -21° 4864	18 2.5	-21 16	1900
Oct. 13, '10	16948	B24213			IV Type	DM -19° 4854	18 2.4	-19 25	1900
Oct. 13, '10	16948a	B24213			Br. lines		18 7.8	-19 6	1900
Oct. 13, '10	16949	B24213			[[[Neb?]]]	DM -16° 4820	18 15.0	-16 13	1900
Oct. 1900	16950	B24286			Type IV	DM -5° 4858	18 56.7	-5 54	7.0
Oct. 1900	16951	B24584			Mc5d	DM -11° 6062	23 15.2	-11 37	9.4
Oct. 20, '10	16952	B41759			Md?	AGC 27440	19 56.9	-38 13	1900
Probably Oct. 1900	16953	B24746			Type IV	DM -4° 1708	6 46.0	-4 24	9.0
Probably Oct. 1900	16954	B24746			Type IV	DM -3° 1685	6 53.8	-3 3	7.7
Aug. 2, 1911	16955	B41063			Md5	Approx{1875 1900	20 56.9 20 58.4	-33 46 -33 40	
Apr 26, 1911	16956	B41900			Ma	CDM -146	0 21.1	-34 34	7.7

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Date|No|Plate|V|H|Object|Design|Ra|Dec|Mag

Apr. 26, 1911|16957|B41900| | |Md4|(1900) CDM -33° 16843|0 1.1 23 59.9|-33 22.0 -33 30.4 1895|8.2

Apr. 26, 1911|16958|B41900| | |ML5c|CDM -33° 3|0 0.2|-33 17.7|8.5

Apr. 26, 1911|16959|B41900| | |Ma|CDM -30° 101|0 17.1|-30 32.5|6.8

Aug. 2, 1910|16960|B40916| | |Md?|DM -11° 712

[[~~16959~~]]1675[[~~16959~~]]|(1900)3 36 29.3 3 34 20.7|-11 4.2 -11 13.1 1855|9.1

Oct. 1, 1910|16961|B41397| | |Br. lines|CDM -32° 13623|17 55.2|-32 43 (1900)|8.7

Oct. 1, 1910|16962|B41397| | |Md?|[var?]]?|CDM -30° 15469|18 8.1 18 9.7|-30 54 (1875) -30 54 (1900)|10.0

Oct. 1, 1910|16963|B41397| | |Br. lines|Announced 1900 pos.|17 53.8|-27 33|

Oct. 9 1909|16964|B40296| | |Br. lines|CDM -47° 4504|8 51.6|-47 13 (1900)|

Oct. 9 1909|16965|B40301| | |Diff. [[neb.?]]| | |

Oct. 9 1909|16966|B40301| | |Diff. [[neb.?]]|[[~~16966~~]]DM -21° 4864|18 2.5|-21 16 (1900)|[[~~16966~~]]

Oct. 9 1909|16967|B40301| | |Br. lines|DM -21° 4864|18 2.5|-21 16 (1900)|

Oct. 9 1909|16968|B40301| | |Br. lines|DM -19° 4854|18 2.1|-19 25 (1900)|

Oct. 9 1909|16969|B40302| | |[[~~16969~~]]N[[~~16969~~]]M[[c?]]5d|DM -21° 4445|16 46.5|-21 43|8.5

Oct. 9 1909|16970|B40304| | |Type IV|CPD -57° 5169|11 54.9|-58 3 (1900)|

Oct. 9 1909|16971|B40304| | |Br. lines|CPD -56° 4818|11 45.4|-56 38 (1900)|

Oct. 9 1909|16972|B40304| | |Type IV|CPD -54° 4904|11 55.3|-54 34 (1900)|

Oct. 9 1909|16973|B40304| | |Type IV|CPD -50° 6814|12 9.3|-50 59 (1900)|

Oct. 9 1909|16974|B40307| | |Type IV|CPD -57° 8687|17 34.7|-57 40 (1900)|

Oct. 9 1909|16975|B40315| | |Md5|CDM -24° 10977|13 27.4|-24 45|8.3

Oct. 9 1909|16976|B40320| | |Md8|CDM -27° 9429|13 43.4|-27 52 (1900)|

Oct. 9 1909|16977|B40324| | |Md7|CDM -29° 11116|14 25.1|-29 39 (1900)|

Oct. 9 1909|16978|B40326| | |Gas. neb.|CDM -25° 13223|18 26.4|-25 13 (1900)|

Sept. 28 1909|16979|B40423| | |Type IV[[superscript]]9[[superscript]]|CDM -48° 7401|12 19.2|-48 53 (1900)|8.3

Sept. 28 1909|16980|B40425| | |Mc5d|CDM -48° 11047|16 31.0|-48 3|8.2

Nov. 16 1909|16981|B40591| | |Mc5d|DM -5° 5288|20 22.7|-5 14|9.0

Nov. 16 1909|16982|B40598| | |Type IV|DM -8° 4726|18 44.9|-8 1 (1900)|

Nov. 16 1909|16983|B40598| | |Md3|DM -5 4858|18 59.1|-5 50 (1900)|

Nov. 17 1909|16984|B40614| | |Md8|CDM -30° 11047|13 50.5|-30 27|9.7

Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object	Design	Ra	Dec	Mag
Apr. 26, 1911	16957	B41900			MD4	(1900) CDM	-33° 16843	0 1.1 23 59.9	-33 22.0 -33 30.4 1895
	16958				ML5c	CDM	-33° 3	0 0.2 -33 17.7	8.5
	16959				Ma	CDM	-30° 101	0 17.1 -30 32.5	6.8
Aug. 2, 1910	16960	B40916			Md?	DM	-11° 712		
	16959				[[16959]]	(1900)3 36 29.3 3 34 20.7	-11 4.2 -11 13.1	1855	9.1
Oct. 1, 1910	16961	B41397			Br. lines	CDM	-32° 13623	17 55.2	-32 43 (1900)
Oct. 1, 1910	16962	B41397			Md?	[var?]]?	CDM	-30° 15469	18 8.1 18 9.7 -30 54 (1875) -30 54 (1900)
Oct. 1, 1910	16963	B41397			Br. lines	Announced 1900 pos.		17 53.8	-27 33
Oct. 9 1909	16964	B40296			Br. lines	CDM	-47° 4504	8 51.6	-47 13 (1900)
Oct. 9 1909	16965	B40301			Diff.	[[neb.?]]			
Oct. 9 1909	16966	B40301			Diff.	[[neb.?]]	[[16966]]	DM	-21° 4864
Oct. 9 1909	16967	B40301			Br. lines	DM	-21° 4864	18 2.5	-21 16 (1900)
Oct. 9 1909	16968	B40301			Br. lines	DM	-19° 4854	18 2.1	-19 25 (1900)
Oct. 9 1909	16969	B40302			[[16969]]	N[[16969]]M[[c?]]5d	DM	-21° 4445	16 46.5 -21 43
Oct. 9 1909	16970	B40304			Type IV	CPD	-57° 5169	11 54.9	-58 3 (1900)
Oct. 9 1909	16971	B40304			Br. lines	CPD	-56° 4818	11 45.4	-56 38 (1900)
Oct. 9 1909	16972	B40304			Type IV	CPD	-54° 4904	11 55.3	-54 34 (1900)
Oct. 9 1909	16973	B40304			Type IV	CPD	-50° 6814	12 9.3	-50 59 (1900)
Oct. 9 1909	16974	B40307			Type IV	CPD	-57° 8687	17 34.7	-57 40 (1900)
Oct. 9 1909	16975	B40315			Md5	CDM	-24° 10977	13 27.4	-24 45
Oct. 9 1909	16976	B40320			Md8	CDM	-27° 9429	13 43.4	-27 52 (1900)
Oct. 9 1909	16977	B40324			Md7	CDM	-29° 11116	14 25.1	-29 39 (1900)
Oct. 9 1909	16978	B40326			Gas. neb.	CDM	-25° 13223	18 26.4	-25 13 (1900)
Sept. 28 1909	16979	B40423			Type IV	[[superscript]]9[[superscript]]	CDM	-48° 7401	12 19.2 -48 53 (1900)
Sept. 28 1909	16980	B40425			Mc5d	CDM	-48° 11047	16 31.0	-48 3
Nov. 16 1909	16981	B40591			Mc5d	DM	-5° 5288	20 22.7	-5 14
Nov. 16 1909	16982	B40598			Type IV	DM	-8° 4726	18 44.9	-8 1 (1900)
Nov. 16 1909	16983	B40598			Md3	DM	-5 4858	18 59.1	-5 50 (1900)
Nov. 17 1909	16984	B40614			Md8	CDM	-30° 11047	13 50.5	-30 27

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{Val. Hg 10, H810, Val. confirmed by Mrs. Fleming. Examined plates recorded in Bk. 18, h. 210. "Pcann of find change of more than 0.5 magn, but Mrs F. finds 1.0 magn change on same plates." "L. D.JF May 5, 1911"}

[[2 Column Table]]

Var ~~[[strikethrough]]~~ ? ~~[[stew?]]~~, see note on plate cover. B40916. Not to be announced without more change being found. Type V or Nova? | Known Type V

| Known as "Pec". 9 chart plates exam. by Mrs. F. show slight, if any, evidence of variation

Nora | - New

Type V | Known

Type V | Known

Type V | Known

Var. | New. (1900 pos. 16 49.1 - 21 48)

Na Var? | Known Type ~~[[strikethrough]]~~ IV ~~[[strikethrough]]~~ VI 21 chart plates show no evidence of variability see cover B 37691

Gas. neb. | Known

Na var ? | see note on B38406 20 chart plates show slight change

Var ~~[[strikethrough]]~~ ? ~~[[strikethrough]]~~ | Known Type IV var.

Na var ~~[[strikethrough]]~~ ? ~~[[strikethrough]]~~ | Known Type IV var. V Pavouis

Var. | New (1900 pos. 13 28.8 - 24 52.6)

Var ~~[[strikethrough]]~~ ? ~~[[strikethrough]]~~ | Known W Hydrae

Var. | Known Y Cent.

| Known

| Known as Type IV S Cent.

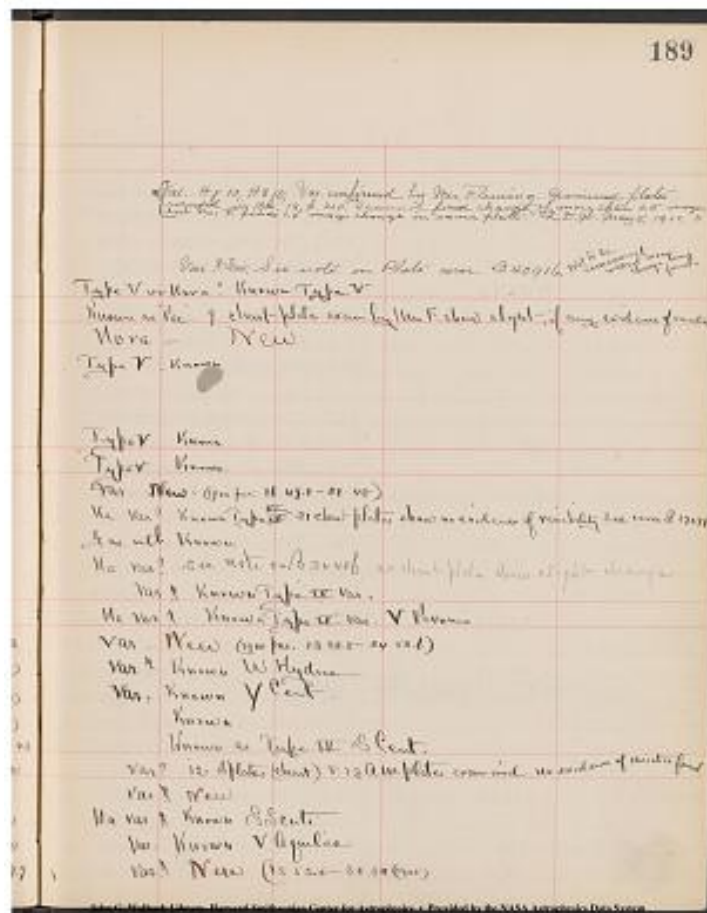
Var? | 12 B plates (chart) & 13A.M. plates examined. No evidence of variation found.

Var ~~[[strikethrough]]~~ ? ~~[[strikethrough]]~~ | New

Na var ~~[[strikethrough]]~~ ? ~~[[strikethrough]]~~ | Known S Scuti

Var. | Known V Aquilae

Var ~~[[strikethrough]]~~ ? ~~[[strikethrough]]~~ | New (13 52.0 - 30 34 (1900)



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Objects of Interest on Southern S Spectrum Plates

Date|No|Plate|V|H|Object|Design|Ra|Dec|Mag

Nov. 17 1909|16985|B40614 cont. | | |Md10|CDM -27° 9429|13 43.4|-27 52 (1900)|

Nov. 24 1909|16986|B40621| | |Br. lines|DM -11° 5511|20 58.7|-11 46 (1900)|neb.

Nov. 24 1909|16987|B40621| | |Md8?|DM -14° 5960|21 7.3|-14 48 (1900)|8.5

Nov. 25 1909|16988|B40628| | |Mc5d|DM -22° 4958|18 57.7|-22 51 (1900)|

Nov. 25 1909|16989|B40703| | |Br. lines|CDM -32° 13623|17 55.2|-32 43 (1900)|8.7

Nov. 26 1909|16990|B40707| | |IV-VI|DM -15° 4923|18 13.6|-15 39 (1900)|9.0

Nov. 26 1909|16991|B40707| | |Br. lines|DM -19° 4854|18 2.1|-19 25 (1900)|9.6

Nov. 26 1909|16992|B40707| | |Br. lines|DM -21° 4864|18 2.5|-21 16|7.8

Nov. 26 1909|16993|B40711| | |Br. lines|DM -21° 4864|18 2.5|-21 16|7.8

Nov. 26 1909|16994|B40714| | |Type IV|CDM -24° 12084|15 21.9|-24 50 (1900)|7.6

Nov. 27 1909|16995|B40724| | |Br. lines|CDM -36° 12130|17 55.7|-36 41 (1900)|9.0

Nov. 27 1909|16996|B40724| | |Br. lines|CDM -32° 13623|17 55.2|-32 43 (1900)|8.7

Nov. 27 1909|16997|B40724| | |Br. lines|CDM -28° 14266|18 5.6|-28 12 (1900)|

Nov. 27 1909|16998|B40728| | |Md|CDM -28° 16682|20 21.8|-28 25 (1900)|

Nov. 27 1909|16999|B40750| | |Md10|CDM -28° 16682|20 21.8|-28 25 (1900)|

Aug. 2 1910|17000|B40843| | |Type IV|DM -12° 5755|30 23.7|-12 22|9.2

Aug. 2 1910|17001|B40843| | |Mc5d|DM -5° 5288|20 22.7|-5 14|9.0

Aug. 1 1910|17002|B40864| | |Diff. neb.|DM -16° 4820|18 12.4|-16 14|neb.

Aug. 1 1910|17003|B40864| | |Type IV|DM -1.5° 4923|18 11.0|-15 40|9.0

Aug. 2 1910|17004|B40897| | |Md|CDM -28° 16682|20 21.8|-28 25 (1900)|

~~Aug. 2|17005|B40916 Entered on page~~~~188|B41076|Md?|Type IV|DM -11° 712|CDM -43°~~~~1198|3 34.3|3 46.8|-11 13|-43 50 (1900)|9.1|8.5~~

May 11 1910|17006|B40084| | |Pec.!!!|CDM -44° 8539|13 10.7|-44 10 (1900)|7.5

Aug 15 1910|17007|B41216| | |Br. lines|CDM -49° 4218|9 9.8|-49 42 (1900)|9.9

Aug 15 1910|17008|B41216| | |Md10|CDM|-49° 4613|9 16.9|-49 6 (1900)|

Aug 15 1910|17009|B41218| | |Md?|CDM -49° 8095|13 32.3|-49 19|6.8

Aug 15 1910|17010|B41220| | |Mc5d|DM -17° 3281|10 53.4|-17 33|var.

Aug 15 1910|17011|B41233| | |Md?|CDM -33° 9358|13 42.2|-33 50|4.6

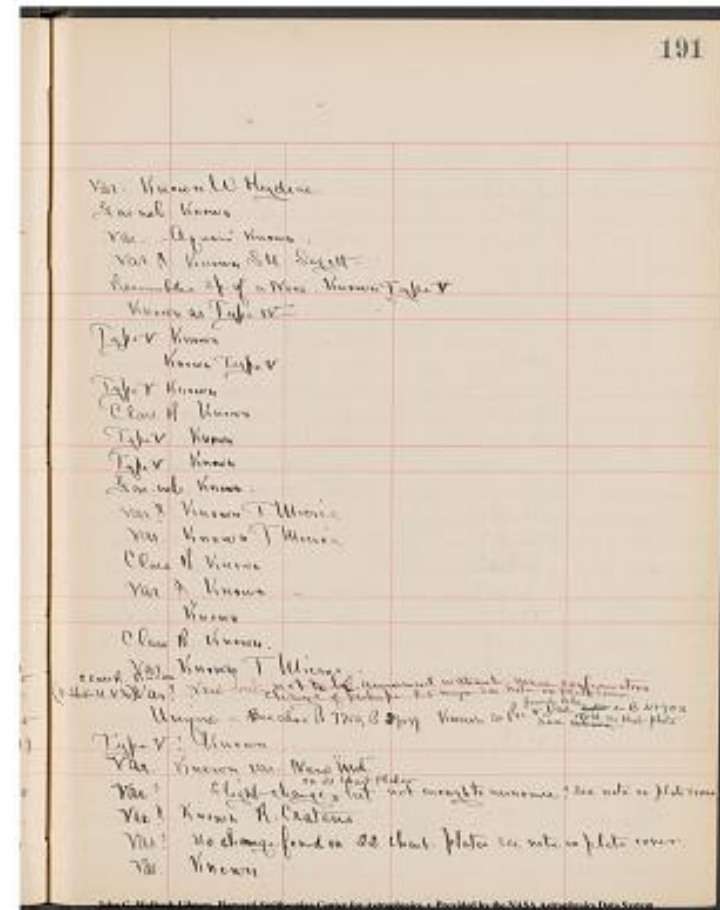
Objects of Interest on Southern S Spectrum Plates

Date	No	Plate	V	H	Object	Design	Ra	Dec	Mag
Nov 17 1909	16985	B40614			neb.	CDM -27° 9429	13 43.4	-27 52	(1900)
Nov 24 1909	16986	B40621			Br. lines	DM -11° 5511	20 58.7	-11 46	(1900)
" "	16987	B40621			Md8?	DM -14° 5960	21 7.3	-14 48	(1900)
Nov 25 1909	16988	B40628			Mc5d	DM -22° 4958	18 57.7	-22 51	(1900)
" "	16989	B40703			Br. lines	CDM -32° 13623	17 55.2	-32 43	(1900)
Nov 26 1909	16990	B40707			IV-VI	DM -15° 4923	18 13.6	-15 39	(1900)
" "	16991	"			Br. lines	DM -19° 4854	18 2.1	-19 25	(1900)
" "	16992	"			Br. lines	DM -21° 4864	18 2.5	-21 16	(1900)
" "	16993	B40711			Br. lines	DM -21° 4864	18 2.5	-21 16	(1900)
" "	16994	B40714			Type IV	CDM -24° 12084	15 21.9	-24 50	(1900)
Nov 27 1909	16995	B40724			Br. lines	CDM -36° 12130	17 55.7	-36 41	(1900)
" "	16996	"			Br. lines	CDM -32° 13623	17 55.2	-32 43	(1900)
" "	16997	B40728			Br. lines	CDM -28° 14266	18 5.6	-28 12	(1900)
" "	16998	B40750			Md	CDM -28° 16682	20 21.8	-28 25	(1900)
" "	16999	B40750			Md10	CDM -28° 16682	20 21.8	-28 25	(1900)
Aug 2 1910	17000	B40843			Type IV	DM -12° 5755	30 23.7	-12 22	(1900)
" "	17001	"			Mc5d	DM -5° 5288	20 22.7	-5 14	(1900)
Aug 1 1910	17002	B40864			Diff. neb.	DM -16° 4820	18 12.4	-16 14	(1900)
" "	17003	B40864			Type IV	DM -1.5° 4923	18 11.0	-15 40	(1900)
Aug 2 1910	17004	B40897			Md	CDM -28° 16682	20 21.8	-28 25	(1900)
Aug 2 1910	17005	B40916			Entered on page 188				
Aug 2 1910	17006	B40084			Pec.!!!	CDM -44° 8539	13 10.7	-44 10	(1900)
Aug 15 1910	17007	B41216			Br. lines	CDM -49° 4218	9 9.8	-49 42	(1900)
" "	17008	B41216			Md10	CDM -49° 4613	9 16.9	-49 6	(1900)
" "	17009	B41218			Md?	CDM -49° 8095	13 32.3	-49 19	(1900)
" "	17010	B41220			Mc5d	DM -17° 3281	10 53.4	-17 33	(1900)
" "	17011	B41223			Md?	CDM -33° 9358	13 42.2	-33 50	(1900)
" "	17012	"			Md?	CDM -33° 9358	13 42.2	-33 50	(1900)

Aug 15 1910|17012|B41233| | |Md5|CDM -30° 11047|13 52.0|-30 34
(1900)|

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Var. Known W Hydrae
 Gas neb Known
 Var. -Aquarii Known
 Var ~~[[/strickethrough]]~~ ? ~~[[/strickethrough]]~~ Known Su Saqitt.
 Resemble Sp. of a Nova. Known Type V
 Known as Type IV
 Type V Known
 Known Type V
 Type V Known
 Class R Known
 Type V Known
 Type V Known
 Gas. neb. Known
 Var ~~[[/strickethrough]]~~ ? ~~[[/strickethrough]]~~ Known T Microsc.
 Var. Known ~~[[/strickethrough]]~~ T Mierus ?
 Class R Known
 Var ~~[[/strickethrough]]~~ ? ~~[[/strickethrough]]~~ Known
 Known
 Class R Known.
 Var Known T Microsc.
~~[[/strickethrough]]~~ (3 36.5 - 11 4 1900) Var ? New not not to be announced
 without more confirmation change of perhaps 0.5 magn. See note on
 plate cover ~~[[/strickethrough]]~~ ^ ~~[[/strickethrough]]~~ ~~[[/strickethrough]]~~ Class R. Known
 Unique - See also B 7750, B 39199 Known as Pec. & found to be Var.
~~[[/strickethrough]]~~ later ~~[[/strickethrough]]~~ on B 41703 See note on that plate
~~[[/strickethrough]]~~ above ~~[[/strickethrough]]~~
 Type V ? Known
 Var. Known var. New "Md"
 Var ? Slight change on 21 chart plates but not enough to announce?
 See note on plate cover
 Var ~~[[/strickethrough]]~~ ? ~~[[/strickethrough]]~~ Known R. Crateris
 Var ? No change found on 22 chart plates see note on plate cover
 Var. Known



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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date|No.|Plate|V|H|Object|Design|RA|Dec|Mag

Aug. 15 1910|17013|B 41239| | | Md10 | DM -14° 2393 | 9 30.7 | -14 15 (1900) |

Aug. 15 1910|17014|B 41245| | | Md? | DM -10° 3353 | 11 43.7 | -10 24 (1855) | 8.4

Aug. 15 1910|17015|B 41250| | | Md8 | CDM -44° 11274 | 16 48.4 | -44 56 (1900) |

Aug. 15 1910|17016|B 41250| | | Br.lines | CDM -41° 10972 | 16 45.3 | -41 41 (1900) | 7.3

Aug. 15 1910|17017|B 41250| | | Br.lines | CDM -41° 11041 | 16 47.3 | -41 40 (1900) | [[8.0?]]

Aug. 15 1910|17018|B 41250| | | Br.lines | CDM -40° 10919 | 16 48.0 | -41 4 (1900) | 6.4

Aug. 15 1910|17019|B 41250| | | Br.lines | CDM -41° 10957 | 16 44.5 | -41 4 (1900) | 5.9

Aug. 15 1910|17020|B 41265| | | Br. lines | CDM -45° 9789 | 15 10.0 | -45 19 (1900) |

Oct. 7 1910|17021|B 41413| | | Br. lines | CDM -34° 11622 | 17 11.8 | -34 18 (1900) | 9.0

Oct. 8 1910|17022|B 41434| | | Type IV | DM -8° 4726 | 18 42.5 | -8 4 | 7.1

Oct. 8 1910|17023|B 41435| | | Pec. | CDM -50° 6814 | 12 9.3 | -50 59 (1900) |

Oct. 8 1910|17024|B 41435| | | ghost|Approx 1900 pos. | 12 31 | -45.6

Oct. 8 1910|17025|B 41453| | | Br. lines | CDM -46° 11816 | 17 38.2 | -46 3 (1900) | 9.9

Oct. 8 1910|17026|B 41476| | | Pec. | CDM -48° 7001 | 12 19.2 | -48 53 (1900) |

Nov. 26 1910|17027|B 41599| | | IV-VI|CPD -65° 3832 | 19 47.0 | -65 38 (1900) | 9.2

Oct. 13 1910|17028|B 41702| | | Md|CDM -43° 9089 | 14 21.6 | -43 13 | 8.2

Oct. 20 1910|17029|B 41707| | | Pec. | CDM -44° 8539 | 13 10.7 | -44 10 (1900) | 7.5

Oct. 20 1910|17030|B 41721| | | Pec. | CDM -44° 8539 | 13 10.7 | -44 10 (1900) | 7.5

Oct. 20 1910|17031|B 41723| | | Type IV | DM -8° 4726 | 18 42.5 | -8 4 | 7.1

Oct. 20 1910|17032|B 41746| | | Bright line | CDM -43° 11673 | 17 16.4 | -43 22 | 10.0

Oct. 20 1910|17033|B 41746| | | Bright lines | CDM -45° 11392 | 17 12.1 | -45 32 (1900) | 7.1

Oct. 20 1910|17034|B 41746| | | Pec. | CDM -41° 11533 | 17 15.3 | -41 39 (1900) | 8.3

Oct. 20 1910|17035|B 41751| | | Br. hyd lines? | CDM -37° 11507 | 17 14.1 | -37 40 | 6.9

Oct. 20 1910|17036|B 41751| | | Br. lines | CDM -36° 11341 | 17 7.0 | -37 0 (1900) |

Oct. 20 1910|17037|B 41751| | | Br. line | CDM -34° 11622 | 17 11.8 | -34 18 (1900) | 9.0

Oct. 20 1910|17038|B 41751| | | Md[[superscript]]b[[superscript]] | CDM -30° 13626 | 16 50.2 | -30 25 (1900) |

Oct. 21 1910|17039|B 41761| | | Md[[superscript]]5[[superscript]] | CDM

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Objects of Interest on Southern Spectrum Plates									
Date	No.	Plate	V	H	Object	Design	RA	Dec	Mag
Aug. 15 1910	17013	B 41239			Md10	DM -14° 2393	9 30.7	-14 15	(1900)
" " "	17014	B 41245			Md?	DM -10° 3353	11 43.7	-10 24	(1855)
" " "	17015	B 41250			Md8	CDM -44° 11274	16 48.4	-44 56	(1900)
" " "	17016	"			Br. lines	CDM -41° 10972	16 45.3	-41 41	(1900)
" " "	17017	"			Br. lines	CDM -41° 11041	16 47.3	-41 40	(1900)
" " "	17018	"			Br. lines	CDM -40° 10919	16 48.0	-41 4	(1900)
" " "	17019	"			Br. lines	CDM -41° 10957	16 44.5	-41 4	(1900)
Oct. 7 1910	17021	B 41413			Br. lines	CDM -34° 11622	17 11.8	-34 18	(1900)
Oct. 8 1910	17022	B 41434			Type IV	DM -8° 4726	18 42.5	-8 4	(1900)
" " "	17023	B 41435			Pec.	CDM -50° 6814	12 9.3	-50 59	(1900)
" " "	17024	"			ghost	Approx 1900 pos.	12 31	-45.6	
" " "	17025	B 41453			Br. lines	CDM -46° 11816	17 38.2	-46 3	(1900)
Oct. 8 1910	17026	B 41476			Pec.	CDM -48° 7001	12 19.2	-48 53	(1900)
Nov. 26 1910	17027	B 41599			IV-VI	CPD -65° 3832	19 47.0	-65 38	(1900)
Oct. 13 1910	17028	B 41702			Md	CDM -43° 9089	14 21.6	-43 13	(1900)
Oct. 20 1910	17029	B 41707			Pec.	CDM -44° 8539	13 10.7	-44 10	(1900)
Oct. 20 1910	17030	B 41721			Pec.	CDM -44° 8539	13 10.7	-44 10	(1900)
Oct. 20 1910	17031	B 41723			Type IV	DM -8° 4726	18 42.5	-8 4	(1900)
Oct. 20 1910	17032	B 41746			Bright line	CDM -43° 11673	17 16.4	-43 22	(1900)
Oct. 20 1910	17033	B 41746			Bright lines	CDM -45° 11392	17 12.1	-45 32	(1900)
Oct. 20 1910	17034	B 41746			Pec.	CDM -41° 11533	17 15.3	-41 39	(1900)
Oct. 20 1910	17035	B 41751			Br. hyd lines?	CDM -37° 11507	17 14.1	-37 40	(1900)
Oct. 20 1910	17036	B 41751			Br. lines	CDM -36° 11341	17 7.0	-37 0	(1900)
Oct. 20 1910	17037	B 41751			Br. line	CDM -34° 11622	17 11.8	-34 18	(1900)
Oct. 20 1910	17038	B 41751			Md	CDM -30° 13626	16 50.2	-30 25	(1900)
Oct. 21 1910	17039	B 41761			Md	CDM -30° 13626	16 50.2	-30 25	(1900)

-42° 14584|19 51.8|-42 7 (1900)|
Oct. 21 1910|17040|B 41761| | |Br. lines|DM -19° 4854|18 2.1|-19 25
(1900)|

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Objects of Interest on Southern Hemisphere

Date	No	Date	No	Object	Design	Alt	Dec	Mag
Oct 19 1901	17041	Aug 14	341820	✓	Bel. Com. C. 11100	11 22	-15	6.5
" "	17042	"	"	✓	Bel. Com. C. 11100	11 22	-15	6.5
" "	17043	"	"	✓	Bel. Com. C. 11100	11 22	-15	6.5
Nov 19 1901	17044	"	"	✓	Bel. Com. C. 11100	11 22	-15	6.5
" "	17045	"	"	✓	Bel. Com. C. 11100	11 22	-15	6.5
" "	17046	"	"	✓	Bel. Com. C. 11100	11 22	-15	6.5
Dec 19 1901	17047	"	"	✓	Bel. Com. C. 11100	11 22	-15	6.5
" "	17048	"	"	✓	Bel. Com. C. 11100	11 22	-15	6.5
" "	17049	"	"	✓	Bel. Com. C. 11100	11 22	-15	6.5
" "	17050	"	"	✓	Bel. Com. C. 11100	11 22	-15	6.5

44|(1900)|
|Aug 11 1909|17050|B 40105| | |H beta br.|C.P.D. -58°1865|10 0.3|-58
21|(1875)|

[illegible]

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Diff. neb Known Gas neb.
 Type VI Dark Bands. C.L.R. Known
 Type V Known
 Br. lines Known
 Type V Known
 Gas neb. Known

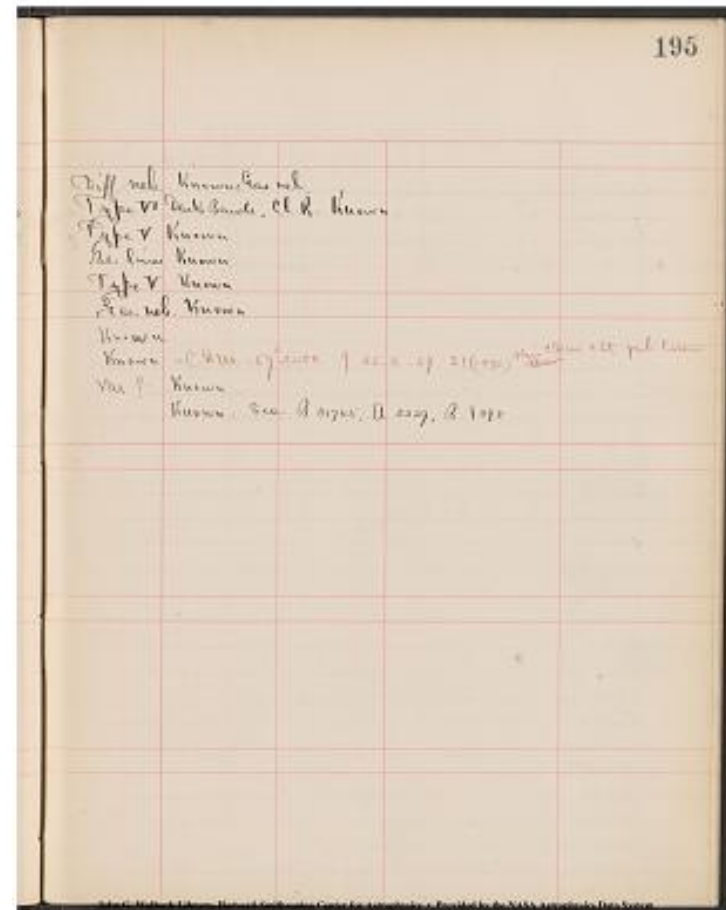
Known [[in red]] C.D.M. -59° 248B 9 35.2 -59 31(1875) This C.D.M.
 cat pub. later ~~[[strike through]]~~ H2an ~~[[strike through]]~~
 Var P Known

Known. See B 31745. A 2229. B 9398

[[separate from main text]]

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[[/separate from main text]]



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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date	No	Plate	Q	H	Object	Design	Ra	Dec	Mag.
	17097								
	17098								
	17099								
	17100								
	17101								
	17102								
	17103								
	17104								
	17105								
	17106								
	17107								
	17108								
	17109								
	17110								
	17111								
	17112								
	17113								
	17114								
	17115								
	17116								
	17117								
	17118								
	17119								
	17120								
	17121								
	17122								
	17123								
	17124								

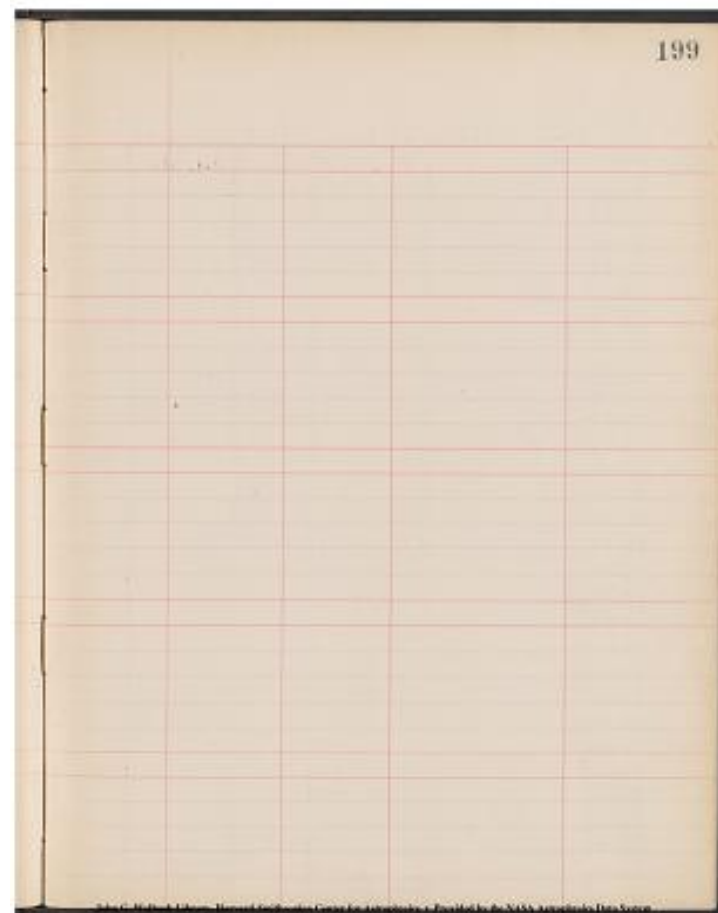
Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	Q	H	Object	Design	Ra	Dec	Mag.
	17097								
	17098								
	17099								
	17100								
	17101								
	17102								
	17103								
	17104								
	17105								
	17106								
	17107								
	17108								
	17109								
	17110								
	17111								
	17112								
	17113								
	17114								
	17115								
	17116								
	17117								
	17118								
	17119								
	17120								
	17121								
	17122								
	17123								
	17124								

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200

Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date | No | Plate | Nu | Eta | Object | Design | Ra | Dec | Mag.

17125
17126
17127
17128
17129
17130
17131
17132
17133
17134
17135
17136
17137
17138
17139
17140
17141
17142
17143
17144
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17147
17148
17149
17150
17151
17152

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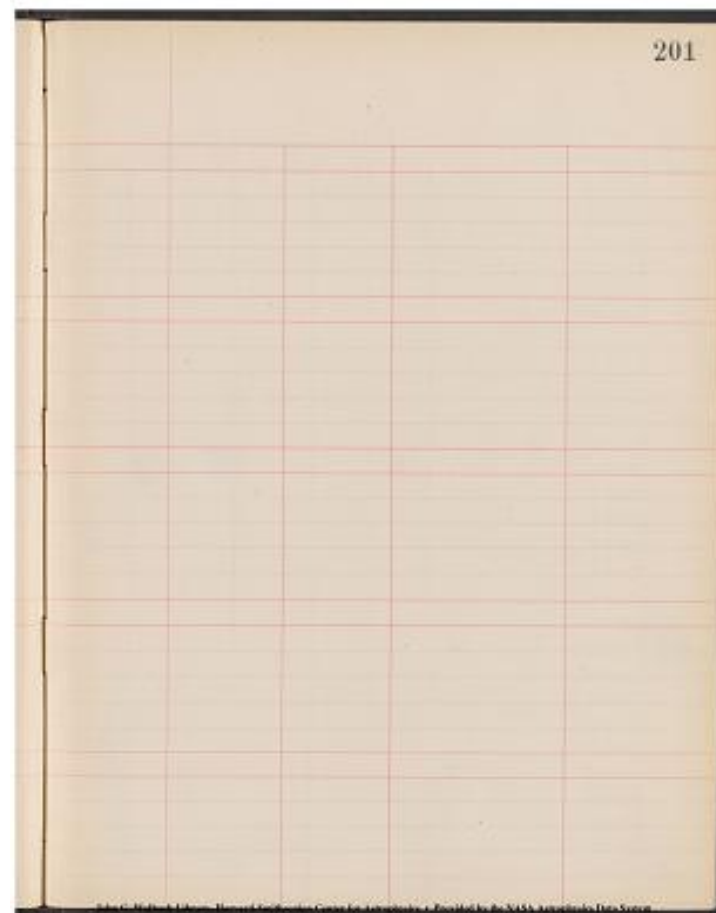
200									
Objects of Interest on Southern Spectrum Plates									
Date	No.	Plate	Q	U	Object	Design	Ra	Dec	Mag.
17125									
17126									
17127									
17128									
17129									
17130									
17131									
17132									
17133									
17134									
17135									
17136									
17137									
17138									
17139									
17140									
17141									
17142									
17143									
17144									
17145									
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17147									
17148									
17149									
17150									
17151									
17152									

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202

Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date	No	Plate	Q	H	Object	Design	Ra	Dec	Mag.
	17153								
	17154								
	17155								
	17156								
	17157								
	17158								
	17159								
	17160								
	17161								
	17162								
	17163								
	17164								
	17165								
	17166								
	17167								
	17168								
	17169								
	17170								
	17171								
	17172								
	17173								
	17174								
	17175								
	17176								
	17177								
	17178								
	17179								
	17180								

202

Objects of Interest on Southern Spectrum Plates

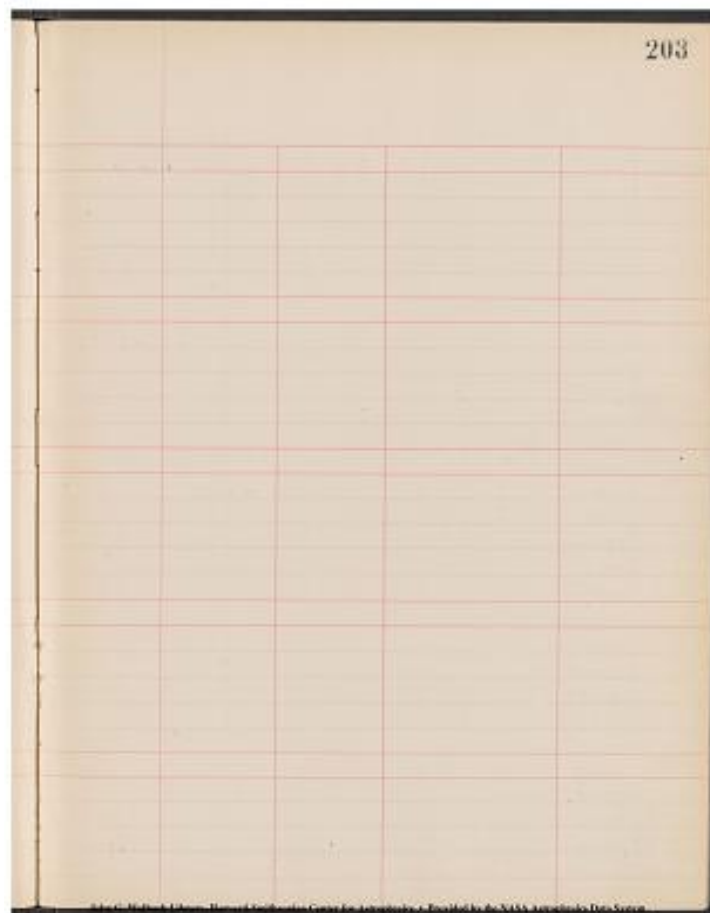
Date	No	Plate	Q	H	Object	Design	Ra	Dec	Mag.
	17153								
	17154								
	17155								
	17156								
	17157								
	17158								
	17159								
	17160								
	17161								
	17162								
	17163								
	17164								
	17165								
	17166								
	17167								
	17168								
	17169								
	17170								
	17171								
	17172								
	17173								
	17174								
	17175								
	17176								
	17177								
	17178								
	17179								
	17180								

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Objects of Interest on Southern Spectrum Plates

Date	No	Plate	Nu	Eta	Object	Design	Ra	Dec	Mag
	17181								
	17182								
	17183								
	17184								
	17185								
	17186								
	17187								
	17188								
	17189								
	17190								
	17191								
	17192								
	17193								
	17194								
	17195								
	17196								
	17197								
	17198								
	17199								
	17200								
	17201								
	17202								
	17203								
	17204								
	17205								
	17206								
	17207								
	17208								

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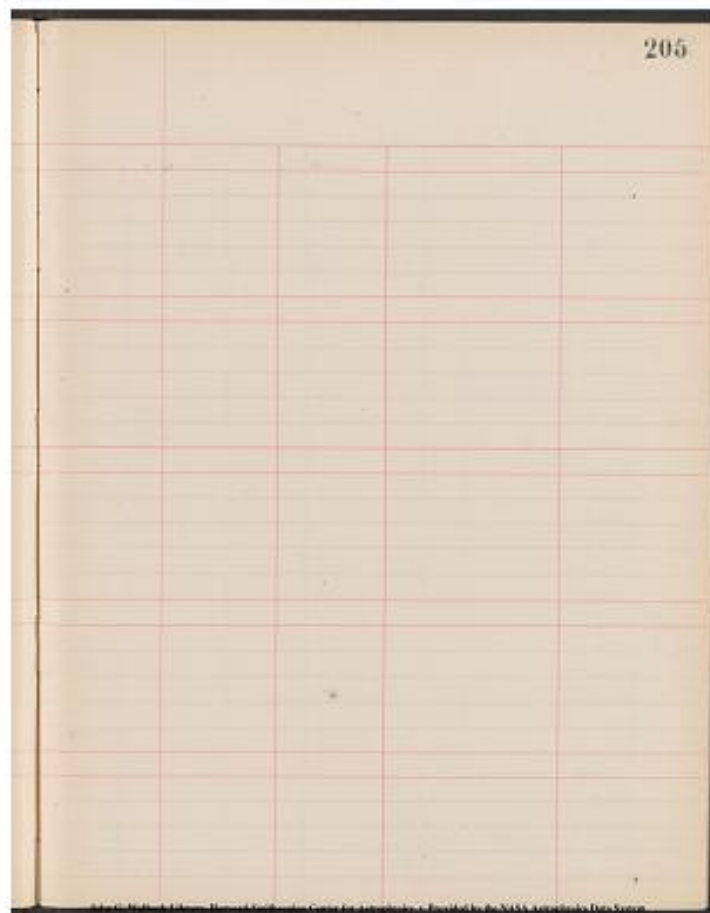
Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	Nu	Eta	Object	Design	Ra	Dec	Mag
17181									
17182									
17183									
17184									
17185									
17186									
17187									
17188									
17189									
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17207									
17208									

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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date	No	Plate	Q	H	Object	Design	Ra	Dec	Mag
	17209								
	17210								
	17211								
	17212								
	17213								
	17214								
	17215								
	17216								
	17217								
	17218								
	17219								
	17220								
	17221								
	17222								
	17223								
	17224								
	17225								
	17226								
	17227								
	17228								
	17229								
	17230								
	17231								
	17232								
	17233								
	17234								
	17235								
	17236								

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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date | No | Date | Q | H | Object | Design | Ra | Dec | Mag.

17237								
17238								
17239								
17240								
17241								
17242								
17243								
17244								
17245								
17246								
17247								
17248								
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17263								
17264								

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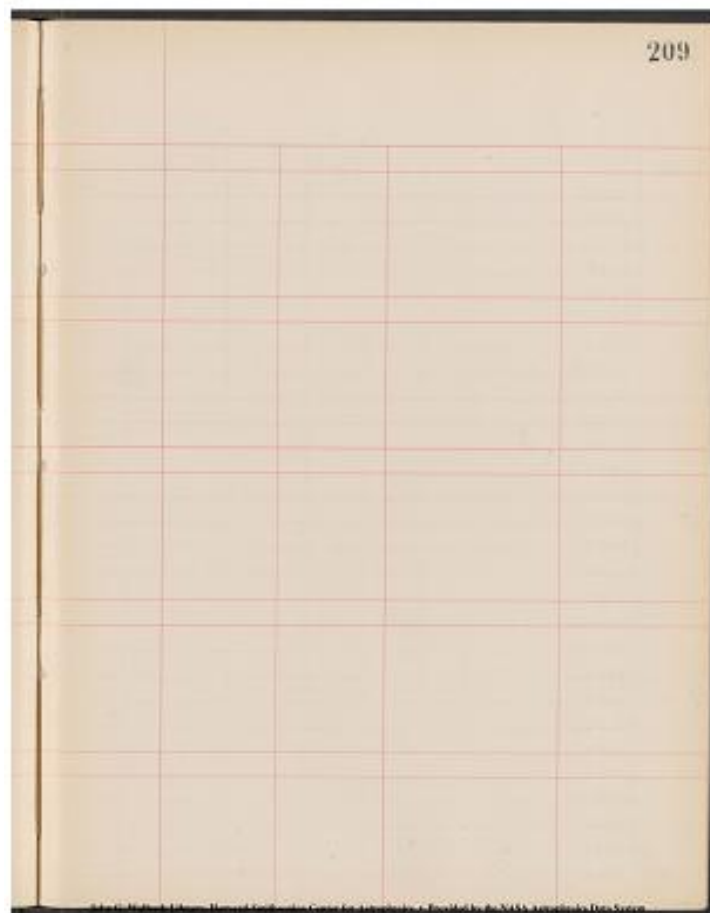
208									
Objects of Interest on Southern Spectrum Plates									
Date	No	Date	Q	H	Object	Design	Ra	Dec	Mag
	17237								
	17238								
	17239								
	17240								
	17241								
	17242								
	17243								
	17244								
	17245								
	17246								
	17247								
	17248								
	17249								
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	17251								
	17252								
	17253								
	17254								
	17255								
	17256								
	17257								
	17258								
	17259								
	17260								
	17261								
	17262								
	17263								
	17264								

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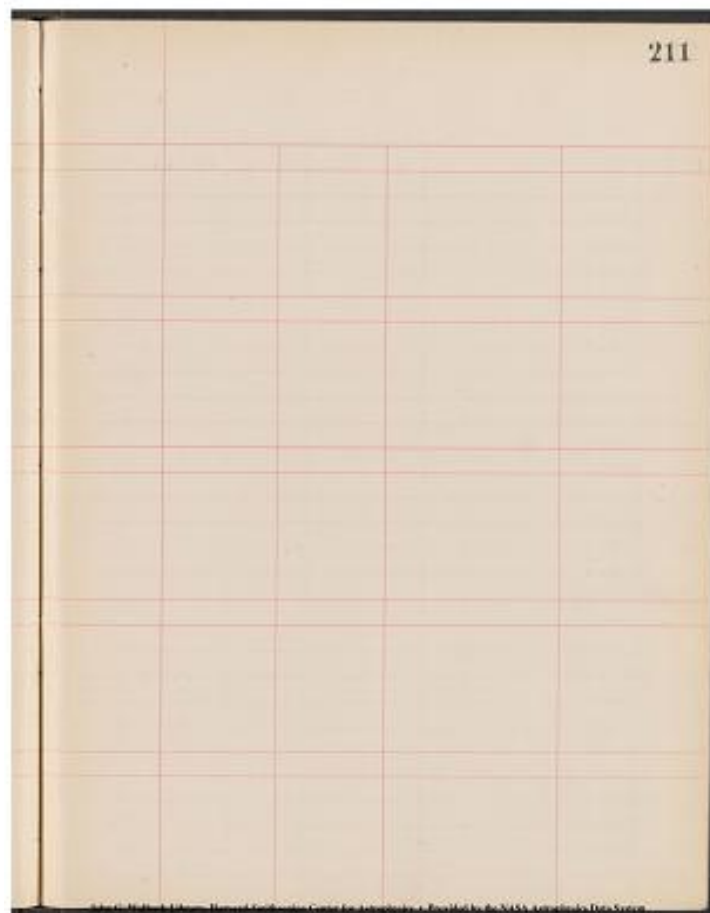


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Objects of Interest on Southern Spectrum Plates

[[10 column table]]

Date | No | Plate | Q | H | Object | Design | Ra | Dec | Mag

17321									
17322									
17323									
17324									
17325									
17326									
17327									
17328									
17329									
17330									
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17338									
17339									
17340									
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Objects of Interest on Southern Spectrum Plates

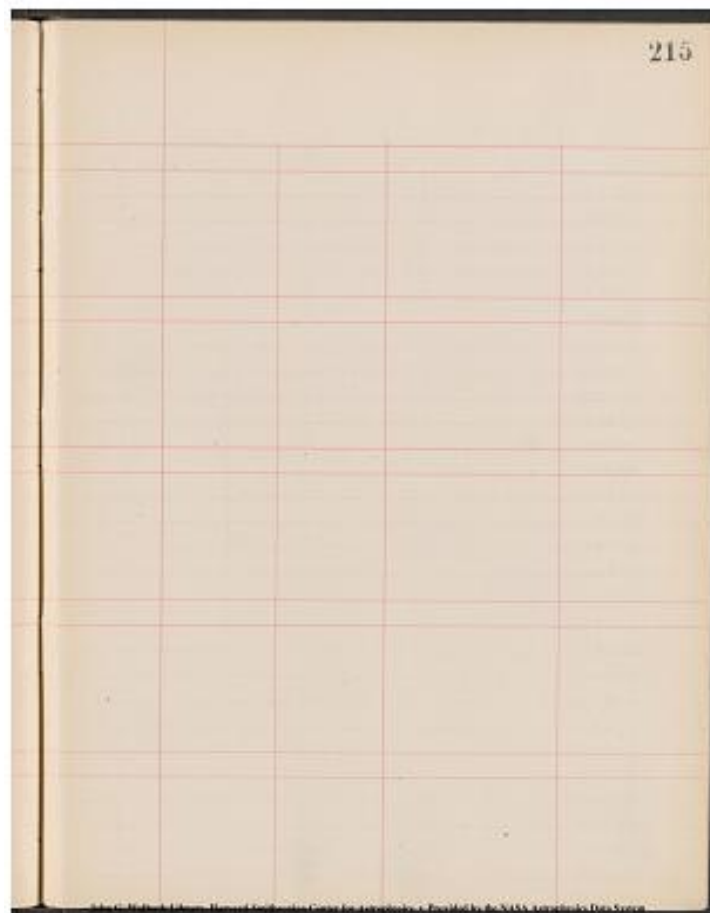
Plate	No	Plate	Q	H	Object, Design	Ra	Dec	Mag
	17321							
	17322							
	17323							
	17324							
	17325							
	17326							
	17327							
	17328							
	17329							
	17330							
	17331							
	17332							
	17333							
	17334							
	17335							
	17336							
	17337							
	17338							
	17339							
	17340							
	17341							
	17342							
	17343							
	17344							
	17345							
	17346							
	17347							
	17348							

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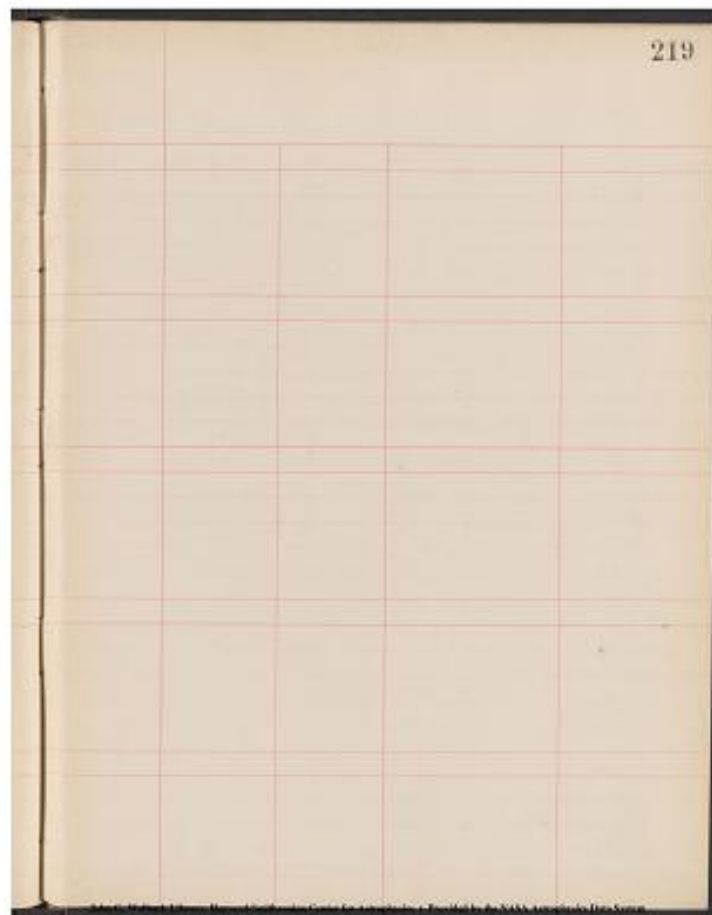
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Date | No | Plate | V | H | Object | Design | Ra | Dec | Mag

17377									
17378									
17379									
17380									
17381									
17382									
17383									
17384									
17385									
17386									
17387									
17388									
17389									
17390									
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17392									
17393									
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17395									
17396									
17397									
17398									
17399									
17400									
17401									
17402									
17403									
17404									

218									
Objects of Interest on Southern Spectrum Plates									
Date	No	Plate	V	H	Object	Design	Ra	Dec	Mag
17377									
17378									
17379									
17380									
17381									
17382									
17383									
17384									
17385									
17386									
17387									
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17394									
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17397									
17398									
17399									
17400									
17401									
17402									
17403									
17404									

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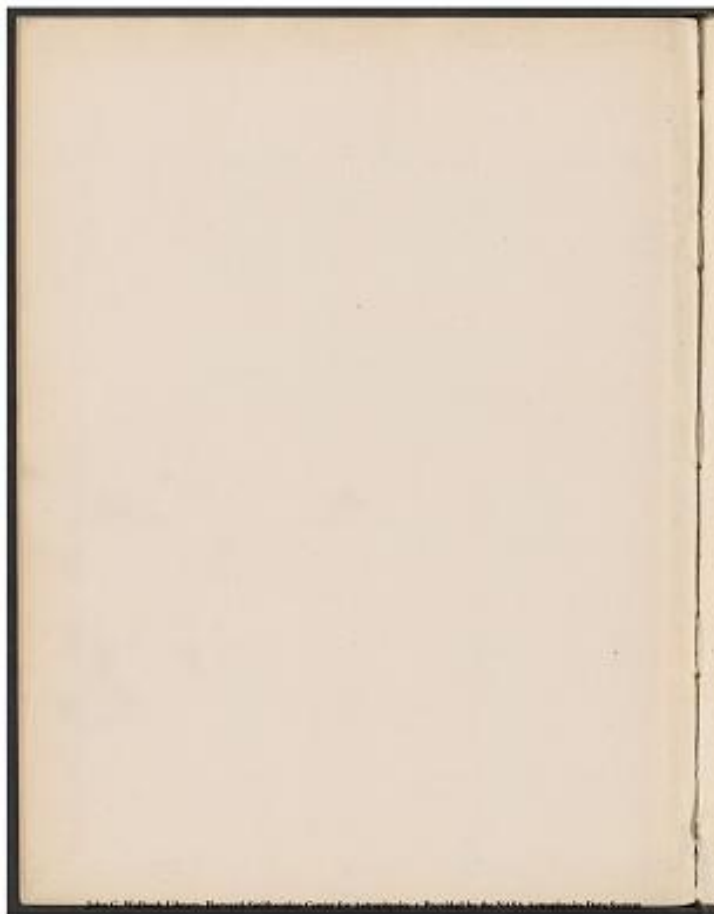
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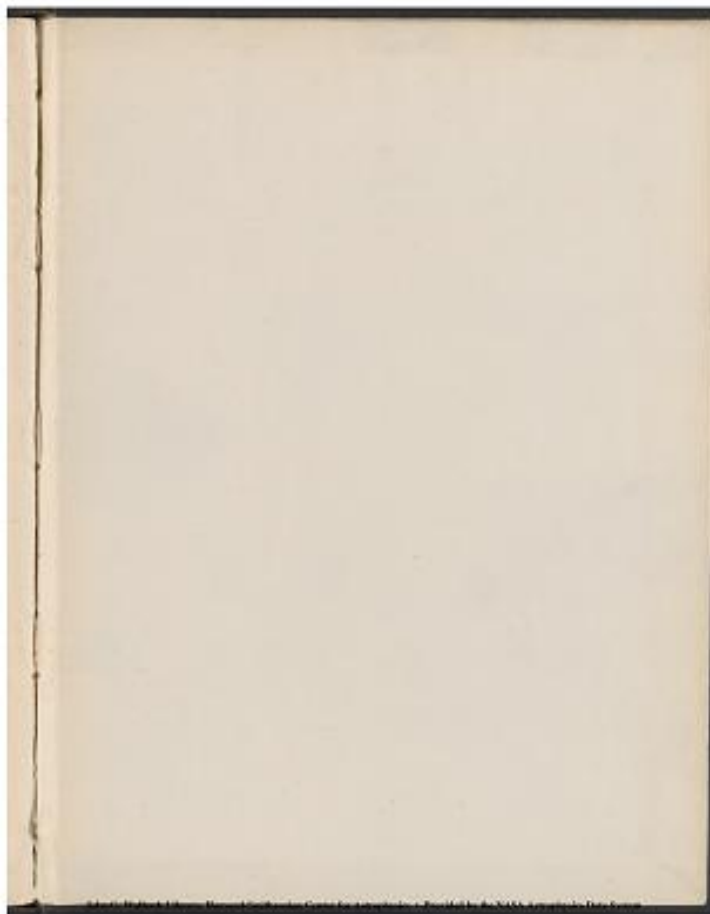
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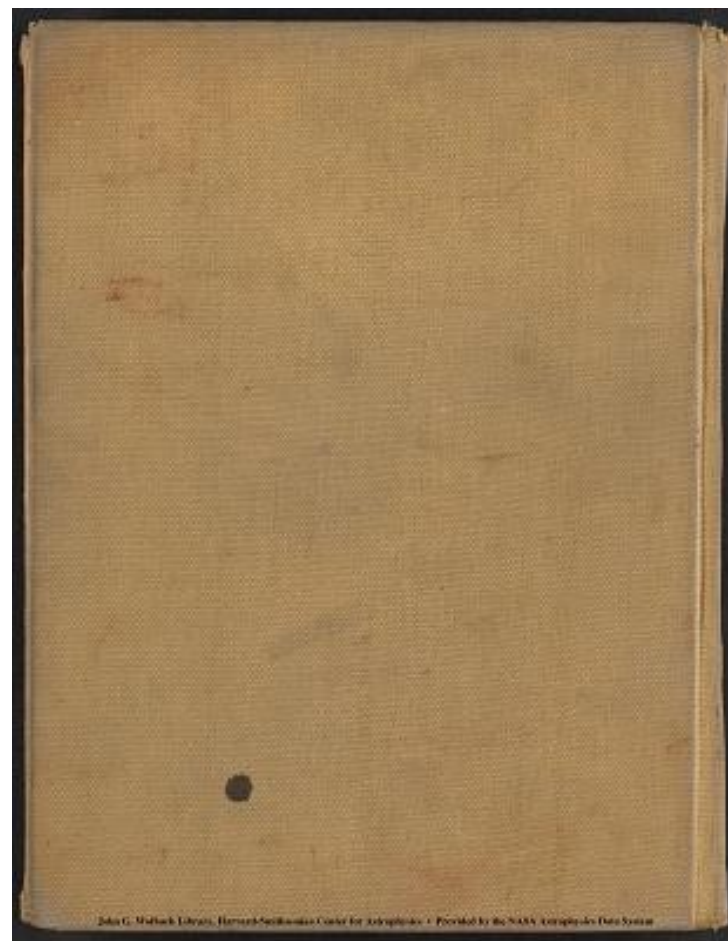
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