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Harvard-Smithsonian Center for Astrophysics

Project PHaEDRA - at Maria Mitchell Observatory - Maria Mitchell Observatory Miscellaneous Variables #

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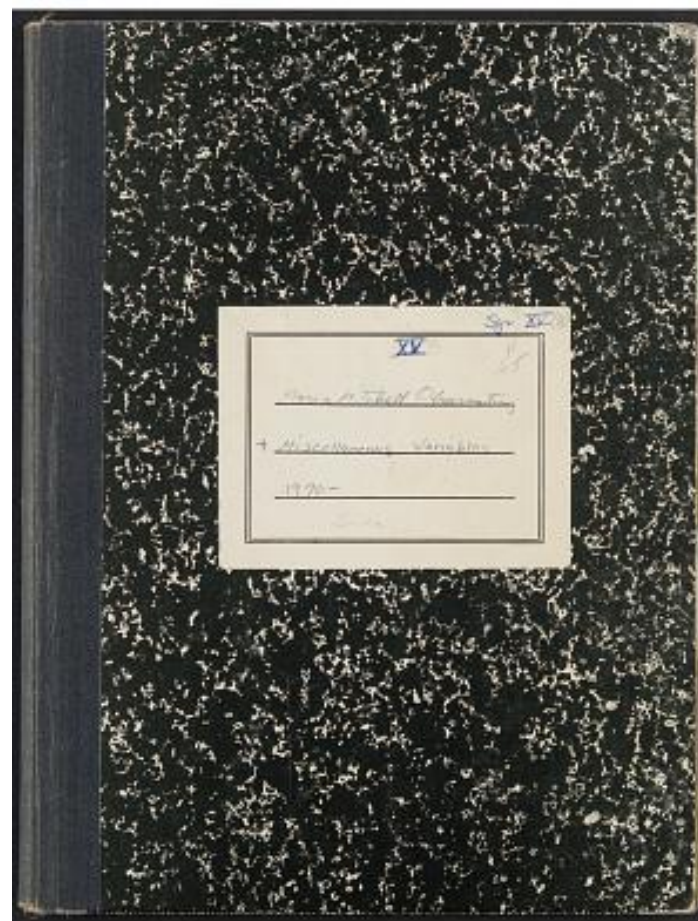
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Sgr XV(B)
XVB F .65
Maria Mitchell Observatory
+ Miscellaneous Variables
1970-
-Linda



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Observatory Miscellaneous Variables #
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[[preprinted]] ROYAL VERNON LINE
COMPOSITION BOOKS
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No. 1148-CM COLLEGE-MARGIN
No. 1148 1/4 QUADRILLE RULED
No. 1148 1/2 UNRULED
No. 1148 3/4 MARGIN RULED
SIZE 10 3/4 x 7 3/4
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SECTION SEWED[[/preprinted]]



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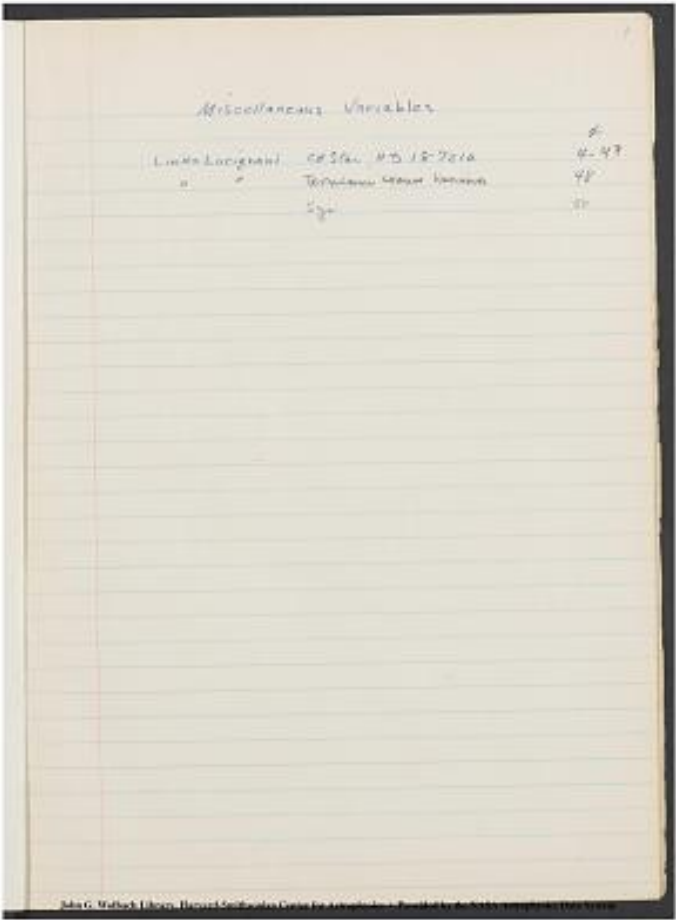
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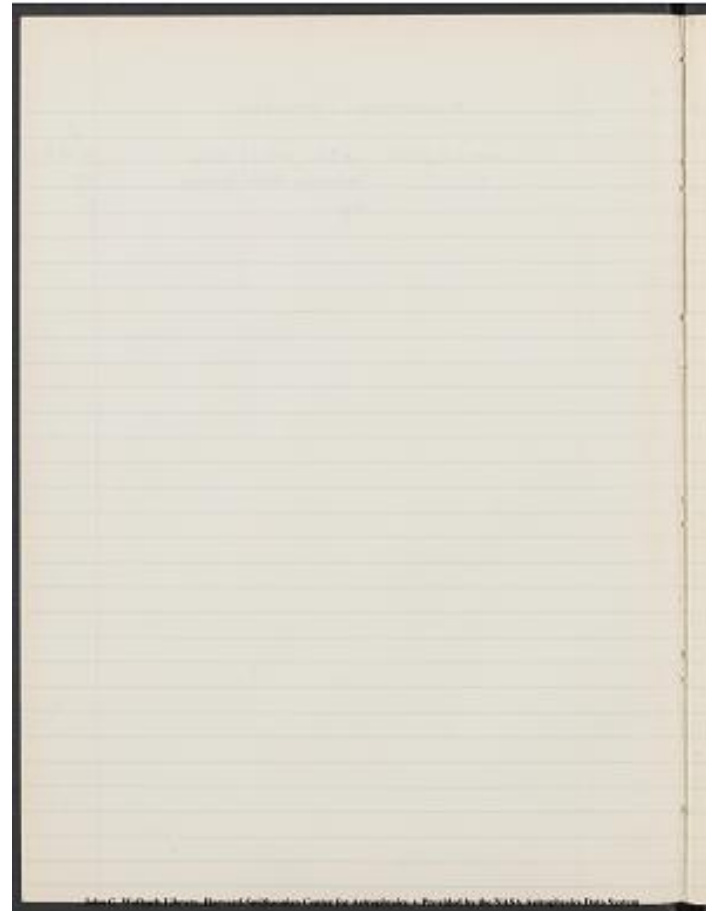
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Miscellaneous Variables

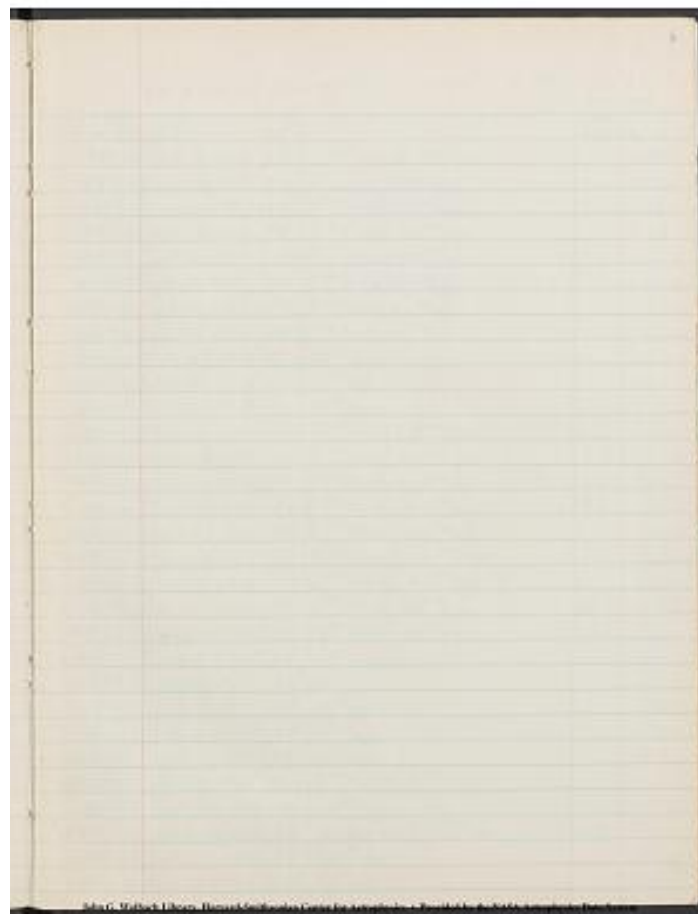
Linda Lucignani	CH Star HD 187216	4-47
Linda Lucignani	Trifid & Lagoon nebulae variables	48
Sgr		50



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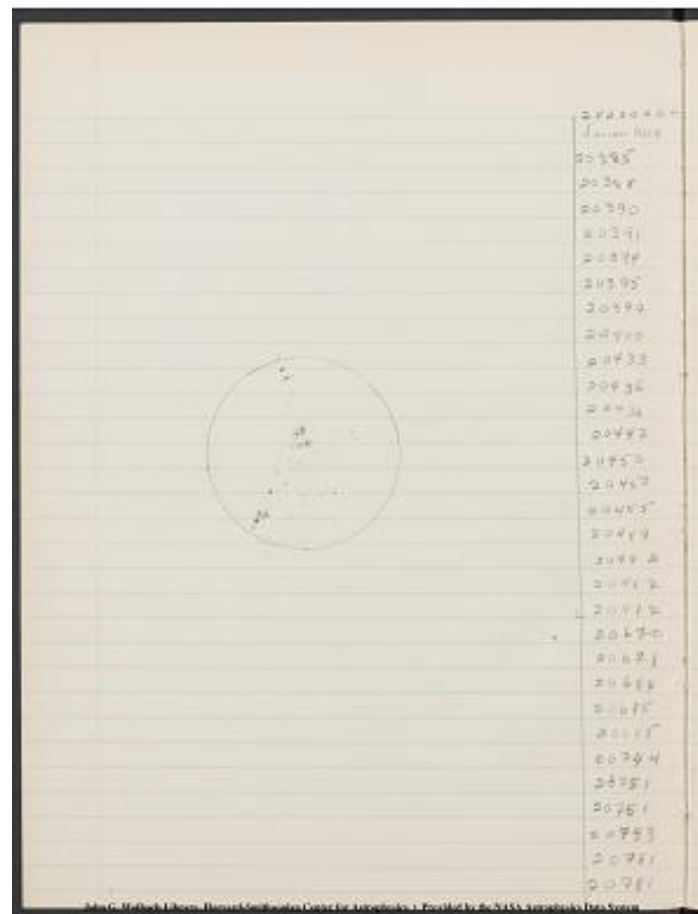
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HD 187216 at 19th44 + 85[?][?]09 CH Star Sp. R2

v=9.57

B-V= 1.69

[Plate] NA [Date] Est [2nd Est] m]

27	Sept. 9, 1914	A7	3-4^m trail, 30^m exp.	10.23]
29	Sept. 12, 1914	A8	3^m trail, 30^m exp.	10.33]
33	Sept. 14, 1914	A8	3^m trail, 30^m exp.	10.33]
35	Sept. 15, 1914	A8	5^m trail, 60^m exp.	10.33]
46	Sept. 18, 1914	A6	5^m trail, 60^m exp.	10.12]
47	Sept. 19, 1914	A6	5^m trail, 60^m exp.	10.12]
59	Sept. 23, 1914	A7	5^m trail, 60^m exp.	10.23]
60	Sept. 24, 1914	A8	5^m trail, 60^m exp.	10.33]
64	Oct. 27, 1914	A8	20^m exp.	10.33]
65	Oct. 30, 1914	A6	10^m exp.	10.12]
66	Oct. 30, 1914	A6	10^m exp.	10.12]
68	Nov. 10, 1914	A9	5^m trail, 60^m exp.	A8] 10.44-10.33]
72	Nov. 13, 1914	A6	5^m trail, 60^m exp.	A7] 10.12-10.23]
73	Nov. 13, 1913	A9	8^m trail, 60^m exp., images double	
A8]	10.44-10.33]			
78	Nov. 18, 1914	A7	6^m trail, 60^m exp.	A7] 10.23]
80	Nov. 23, 1914	A8	5^m trail, 60^m exp.	10.33]
88	Dec. 15, 1914	A5	5^m trail, 60^m exp.	A6] 10.01-10.12]
89	Dec. 15, 1914	A6	6^m trail, 60^m exp.	10.12]
90	Dec. 15, 1914	A8	6^m trail, 60^m exp.	A8-9] 10.33-10.39]
97	June 21, 1915	A9	10^m trail, 60^m exp.	A7] 10.44-10.23]
102	June 29, 1915	A7	10^m exp.	10.23]
104	July 5, 1915	A7	10^m exp.	10.23]
109	July 6, 1915	A7	10^m exp.	10.23]
112	July 6, 1915	A7	10^m exp.	10.23]
126	Sept. 3, 1915	A8	10^m exp.	10.33]
132	Sept. 10, 1915	A6	6^m trail, 10^m exp.	10.12]
135	Sept. 10, 1915	A6	10^m exp.	10.12]
141	Sept. 12, 1915	A5	2 exp.: 1st - few sec., 2nd - 10^m	A7] 10.01-10.23]
156	Oct. 10, 1915	A7	10^m exp.	10.23]
159	Oct. 10, 1915	A7	10^m exp.	10.23]

HD 187216 at 19th44 + 85[?][?]09 CH Star Sp. R2					v=9.57	B-V=1.69
Date	Est	2nd Est	m			
27 Sept. 9, 1914	A7	3-4^m trail, 30^m exp.	10.23]			
29 Sept. 12, 1914	A8	3^m trail, 30^m exp.	10.33]			
33 Sept. 14, 1914	A8	3^m trail, 30^m exp.	10.33]			
35 Sept. 15, 1914	A8	5^m trail, 60^m exp.	10.33]			
46 Sept. 18, 1914	A6	5^m trail, 60^m exp.	10.12]			
47 Sept. 19, 1914	A6	5^m trail, 60^m exp.	10.12]			
59 Sept. 23, 1914	A7	5^m trail, 60^m exp.	10.23]			
60 Sept. 24, 1914	A8	5^m trail, 60^m exp.	10.33]			
64 Oct. 27, 1914	A8	20^m exp.	10.33]			
65 Oct. 30, 1914	A6	10^m exp.	10.12]			
66 Oct. 30, 1914	A6	10^m exp.	10.12]			
68 Nov. 10, 1914	A9	5^m trail, 60^m exp.	A8] 10.44-10.33]			
72 Nov. 13, 1914	A6	5^m trail, 60^m exp.	A7] 10.12-10.23]			
73 Nov. 13, 1913	A9	8^m trail, 60^m exp., images double				
A8]	10.44-10.33]					
78 Nov. 18, 1914	A7	6^m trail, 60^m exp.	A7] 10.23]			
80 Nov. 23, 1914	A8	5^m trail, 60^m exp.	10.33]			
88 Dec. 15, 1914	A5	5^m trail, 60^m exp.	A6] 10.01-10.12]			
89 Dec. 15, 1914	A6	6^m trail, 60^m exp.	10.12]			
90 Dec. 15, 1914	A8	6^m trail, 60^m exp.	A8-9] 10.33-10.39]			
97 June 21, 1915	A9	10^m trail, 60^m exp.	A7] 10.44-10.23]			
102 June 29, 1915	A7	10^m exp.	10.23]			
104 July 5, 1915	A7	10^m exp.	10.23]			
109 July 6, 1915	A7	10^m exp.	10.23]			
112 July 6, 1915	A7	10^m exp.	10.23]			
126 Sept. 3, 1915	A8	10^m exp.	10.33]			
132 Sept. 10, 1915	A6	6^m trail, 10^m exp.	10.12]			
135 Sept. 10, 1915	A6	10^m exp.	10.12]			
141 Sept. 12, 1915	A5	2 exp.: 1st - few sec., 2nd - 10^m	A7] 10.01-10.23]			
156 Oct. 10, 1915	A7	10^m exp.	10.23]			
159 Oct. 10, 1915	A7	10^m exp.	10.23]			

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 Observatory Miscellaneous Variables #
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Plate No	Date	EST	Julian Date	2nd est	m
163	Oct. 11, 1915	A9	10 ^h [m]	exp. 20782	A8 10.23-10.33
166	Oct. 11, 1915	A9	10 ^h [m]	exp. 20782	A8-9 10.4423-10.39
172	Nov. 3, 1915	A8	10 ^h [m]	exp. 20805	10.33
180	Nov. 7, 1915	A9	10 ^h [m]	exp. 20809	A9 10.44
183	Nov. 7, 1915	A9	10 ^h [m]	exp. 20809	A9 10.44
187	Nov. 30, 1915	A8	10 ^h [m]	exp. 20832	10.33
193	Dec. 1, 1915	A9	10 ^h [m]	exp. 20833	A9 10.44
211	June 22, 1916	A8	10 ^h [m]	trail, 1 ^h [h]	exp. 21037
212	June 23, 1916	A6	10 ^h [m]	exp. 21038	A7 10.12-10.23
214	June 23, 1916	A9	10 ^h [m]	exp. 21038	A7-8 10.44-10.28
217	June 29, 1916	A8	10 ^h [m]	exp. 21044	10.33
220	June 29, 1916	A8	10 ^h [m]	exp. 21044	10.33
234	Aug. 17, 1916	A9	10 ^h [m]	exp. 21093	A8 10.44-10.33
236	Aug. 17, 1916	A9	10 ^h [m]	exp. 21093	A9 10.44
238	Aug. 19, 1916	A8	10 ^h [m]	exp. 21095	10.33
243	Aug. 19, 1916	A8	10 ^h [m]	exp. 21095	10.33
244	Aug. 25, 1916	A9	10 ^h [m]	exp. 21101	A9 10.44
374	Dec. 5, 1917	A8	11 ^h [m]	exp. 21568	10.33
520	Jan. 4, 1925	A9	5 ^h [m]	exp. 24155	A7 10.44-10.33
576	Aug. 24-25, 1925	A9	9 ^h [m]	hail, 1 ^h [h]	1 ^h [m] exp. 25159-8
579	Aug. 28, 1925	A6	[24391]		10.12
583	Sept. 30-Oct 1, 1925	A9-B	10 ^h [m]	exp. 24424-5	A8-9 10.49-10.39
584	Sept. 30-Oct 1, 1925	A8	10 ^h [m]	exp. spots on plate	24424-5
674	Oct. 5, 1927	A6	10 ^h [m]	hail, 1 ^h [h]	1 ^h [m] exp. 25159
677	Oct. 15, 1927	A8	10 ^h [m]	hail, 40 ^h [m]	exp. 25169
682	Oct. 30, 1927	A7	5 ^h [m]	hail, 30 ^h [m]	exp. 25184
691	Nov. 29, 1927	A8	8 ^h [m]	hail, 21 ^h [m]	exp. 25212
695	Feb. 26, 1928	A7	5 ^h [m]	25303	10.33

PLATE NO	DATE	EST	2nd est	m
163	Oct. 11, 1915	A9	10 ^h exp.	10.23
166	Oct. 11, 1915	A9	10 ^h exp.	10.23
172	Nov. 3, 1915	A8	10 ^h exp.	10.33
180	Nov. 7, 1915	A9	10 ^h exp.	10.44
183	Nov. 7, 1915	A9	10 ^h exp.	10.44
187	Nov. 30, 1915	A8	10 ^h exp.	10.33
193	Dec. 1, 1915	A9	10 ^h exp.	10.44
211	June 22, 1916	A8	10 ^h trail, 1 ^h exp.	10.33
212	June 23, 1916	A6	10 ^h exp.	10.12-10.23
214	June 23, 1916	A9	10 ^h exp.	10.44-10.28
217	June 29, 1916	A8	10 ^h exp.	10.33
220	June 29, 1916	A8	10 ^h exp.	10.33
234	Aug. 17, 1916	A9	10 ^h exp.	10.44-10.33
236	Aug. 17, 1916	A9	10 ^h exp.	10.44
238	Aug. 19, 1916	A8	10 ^h exp.	10.33
243	Aug. 19, 1916	A8	10 ^h exp.	10.33
244	Aug. 25, 1916	A9	10 ^h exp.	10.44
374	Dec. 5, 1917	A8	11 ^h exp.	10.33
520	Jan. 4, 1925	A9	5 ^h exp.	10.44-10.33
576	Aug. 24-25, 1925	A9	9 ^h hail, 1 ^h exp.	10.33
579	Aug. 28, 1925	A6	[24391]	10.12
583	Sept. 30-Oct 1, 1925	A9-B	10 ^h exp.	10.49-10.39
584	Sept. 30-Oct 1, 1925	A8	10 ^h exp. spots on plate	10.33
674	Oct. 5, 1927	A6	10 ^h hail, 1 ^h exp.	10.12
677	Oct. 15, 1927	A8	10 ^h hail, 40 ^h exp.	10.33
682	Oct. 30, 1927	A7	5 ^h hail, 30 ^h exp.	10.33
691	Nov. 29, 1927	A8	8 ^h hail, 21 ^h exp.	10.33
695	Feb. 26, 1928	A7	5 ^h exp.	10.33

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Plate No	Date	Est	Julian Date [^] [[2400000+]]	2nd Est	m
765	Oct. 14-15, 1928	A9	12 [^] [[m]]	exp. 25534-5	A9 10.44
959	Sept. 10, 1930	A8	5 [^] [[m]]	trail, 15 [^] [[m]]	exp. 26230
961	Sept. 10, 1930	A6	5 [^] [[m]]	trail, 55 [^] [[m]]	exp. 26230
1669	Aug. 3, 1934	A6	15 [^] [[m]]	exp.	27684 10.12
1776	Dec. 2, 1934	A8	60 [^] [[m]]	exp.	27774 10.33
1798	March 8, 1935	A8	2 [^] [[h]]	exp.	27870 10.33
1961	Nov. 3, 1935	A7	5 [^] [[m]]	trail, 10 [^] [[m]]	exp. 28110 10.23
2226	Nov. 6, 1937	A9	10 [^] [[m]]	exp.	28813 A9 10.44
2229	Nov. 6, 1937	A9	10 [^] [[m]]	exp.	28813 A8 10.44-10.33
2334	March 19, 1938	A8	10 [^] [[m]]	exp.	28977 10.33
2336	March 21, 1938	A8	10 [^] [[m]]	exp.	28979 10.33
2338	March 21, 1938	A8	10 [^] [[m]]	exp.	28979 10.33
2345	March 25, 1938	A9	10 [^] [[m]]	exp.	28983 A9 10.44
2348	March 25, 1938	A8	10 [^] [[m]]	exp.	28983 10.33
2350	March 27, 1938	A9	8 [^] [[m]]	exp.	28985 A9 10.44
2353	March 27, 1938	A7	8 [^] [[m]]	exp.	28985 A9 10.23-10.44
2463	Nov. 20, 1938	A7	8 [^] [[m]]	exp.	29223 10.23
2466	Nov. 20, 1938	A7	8 [^] [[m]]	exp.	29223 10.23
2477	Nov. 21, 1938	A9	8 [^] [[m]]	exp.	29224 10.44
2481	Nov. 21, 1938	A9-B	8 [^] [[m]]	exp.	29224 10.49
2513	June 17, 1939	A7	10 [^] [[m]]	exp.	29401 10.23
2531	June 22, 1939	A9	15 [^] [[m]]	exp.	29406 A9 10.44
2552	July 11, 1939	A8	10 [^] [[m]]	exp.	29456 A7 10.33-10.23
2554	July 11, 1939	A7	10 [^] [[m]]	exp.	29456 A7 10.23
2557	July 11, 1939	A5	10 [^] [[m]]	exp.	29456 A7 10.01-10.23
2559	July 11, 1939	A5	10 [^] [[m]]	exp.	29456 A8 10.01-10.33
2563	July 15, 1939	A8	10 [^] [[m]]	exp.	29460 A7 10.33-10.23
2565	July 15, 1939	A8	10 [^] [[m]]	exp.	29460 A7 10.33-10.23

PLATE NO.	DATE	EST	2nd Est	m
765	Oct. 14-15, 1928	A9	12 [^] exp.	25534-5
959	Sept. 10, 1930	A8	5 [^] trail, 15 [^] exp.	26230
961	Sept. 10, 1930	A6	5 [^] trail, 55 [^] exp.	26230
1669	Aug. 3, 1934	A6	15 [^] exp.	27684
1776	Dec. 2, 1934	A8	60 [^] exp.	27774
1798	March 8, 1935	A8	2 [^] exp.	27870
1961	Nov. 3, 1935	A7	5 [^] trail, 10 [^] exp.	28110
2226	Nov. 6, 1937	A9	10 [^] exp.	28813
2229	Nov. 6, 1937	A9	10 [^] exp.	28813
2334	March 19, 1938	A8	10 [^] exp.	28977
2336	March 21, 1938	A8	10 [^] exp.	28979
2338	March 21, 1938	A8	10 [^] exp.	28979
2345	March 25, 1938	A9	10 [^] exp.	28983
2348	March 25, 1938	A9	10 [^] exp.	28983
2350	March 27, 1938	A9	8 [^] exp.	28985
2353	March 27, 1938	A7	8 [^] exp.	28985
2463	Nov. 20, 1938	A7	8 [^] exp.	29223
2466	Nov. 20, 1938	A7	8 [^] exp.	29223
2477	Nov. 21, 1938	A9	8 [^] exp.	29224
2481	Nov. 21, 1938	A9-B	8 [^] exp.	29224
2513	June 17, 1939	A7	10 [^] exp.	29401
2531	June 22, 1939	A9	15 [^] exp.	29406
2552	July 11, 1939	A8	10 [^] exp.	29456
2554	July 11, 1939	A7	10 [^] exp.	29456
2557	July 11, 1939	A5	10 [^] exp.	29456
2559	July 11, 1939	A5	10 [^] exp.	29456
2563	July 15, 1939	A8	10 [^] exp.	29460
2565	July 15, 1939	A8	10 [^] exp.	29460

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PLATE	NA	DATE	EST	2nd Est.	m
2566	July 15, 1939	A6	10 ^m exp.	A7	10.12-10.23
2586	July 15, 1939	A7	10 ^m exp.	A7	10.23
2569	July 15, 1939	A7	30 ^m exp.	A8	10.12-10.23
2571	July 15, 1939	A8	30 ^m exp.	A6	10.33-10.12
2587	July 23, 1939	A9	30 ^m exp.	A8	10.44-10.33
2589	July 23, 1939	A9	12 ^m exp.	A8	10.44-10.33
2605	Aug. 10, 1939	A6	30 ^m exp.		10.12
2607	Aug. 10, 1939	A6	30 ^m exp.		10.12
2608	Aug. 10, 1939	A6	30 ^m exp.		10.12
2610	Aug. 10, 1939	A7	30 ^m exp.		10.23
2614	Aug. 11, 1939	A8	30 ^m exp.	A6	10.33-10.12
2616	Aug. 11, 1939	A7	30 ^m exp., plate fogged by aurora	A7	10.23
2664	Sept. 7, 1939	A8-9	10 ^m exp. slightly out of focus	A8	10.39-10.33
2667	Sept. 7, 1939	A9-B	10 ^m exp., slightly out of focus	A8-9	10.49-10.39
2668	Sept. 7, 1939	A8	30 ^m exp.	A6	10.33-10.12
2670	Sept. 7, 1939	A9	30 ^m exp.	A8	10.44-10.33
2676	Sept. 9, 1939	A9	12 ^m exp.	A9	10.44
2677	Sept. 9, 1939	A9	10 ^m exp.	A9	10.44
2679	Sept. 9, 1939	A9-B	10m exp.		10.49
2680	Sept. 9, 1939	A8	30 ^m exp.		10.33
2683	Sept. 9, 1939	A9	30 ^m exp.	A8	10.44-10.33
2862	August 3, 1940	A6	30 ^m exp.		10.12
2864	Aug. 3, 1940	A6	30 ^m exp.		10.12
2916	Aug. 21, 1940	A6	5 ^m exp.		10.12
2925	Aug. 26, 1940	A7	30 ^m exp.		10.23
2927	Aug. 27, 1940	A6	30 ^m exp.		10.12
2934	Aug 31, 1940	A5	31 ^m exp	A6	10.01-10.12
2938	Sept. 3, 1940	A5	30 ^m exp	A5	10.01

PLATE	NR	DATE	EST		
2566	July 15, 1939	A6	10 ^m exp.	A7	10.12-10.23
2568	July 15, 1939	A7	10 ^m exp.	A7	10.23
2569	July 15, 1939	A7	30 ^m exp.	A8	10.12-10.23
2571	July 15, 1939	A8	30 ^m exp.	A6	10.33-10.12
2587	July 23, 1939	A9	30 ^m exp.	A8	10.44-10.33
2589	July 23, 1939	A9	12 ^m exp.	A8	10.44-10.33
2605	Aug. 10, 1939	A6	30 ^m exp.		10.12
2607	Aug. 10, 1939	A6	30 ^m exp.		10.12
2608	Aug. 10, 1939	A6	30 ^m exp.		10.12
2610	Aug. 10, 1939	A7	30 ^m exp.		10.23
2614	Aug. 11, 1939	A8	30 ^m exp.	A6	10.33-10.12
2616	Aug. 11, 1939	A7	30 ^m exp., plate fogged by aurora	A7	10.23
2664	Sept. 7, 1939	A8-9	10 ^m exp., slightly out of focus	A8	10.39-10.33
2667	Sept. 7, 1939	A9-B	10 ^m exp., slightly out of focus	A8-9	10.49-10.39
2668	Sept. 7, 1939	A8	30 ^m exp.	A6	10.33-10.12
2670	Sept. 7, 1939	A9	30 ^m exp.	A8	10.44-10.33
2676	Sept. 9, 1939	A9	12 ^m exp.	A9	10.44
2677	Sept. 9, 1939	A9	10 ^m exp.	A9	10.44
2679	Sept. 9, 1939	A9-B	10 ^m exp.		10.49
2680	Sept. 9, 1939	A8	30 ^m exp.		10.33
2683	Sept. 9, 1939	A9	30 ^m exp.	A8	10.44-10.33
2862	August 3, 1940	A6	30 ^m exp.		10.12
2864	Aug. 3, 1940	A6	30 ^m exp.		10.12
2916	Aug. 21, 1940	A6	5 ^m exp.		10.12
2925	Aug. 26, 1940	A7	30 ^m exp.		10.23
2927	Aug. 27, 1940	A6	30 ^m exp.		10.12
2934	Aug. 31, 1940	A5	31 ^m exp.	A6	10.01-10.12
2938	Sept. 3, 1940	A5	30 ^m exp.	A5	10.01

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2400000	Julian Date
29876	
29877	
29878	
29878	
29925	
29925	
29927	
29929	
29929	
29931	
29931	
29934	
29934	
30257	
30265	
33916	
40735-6	



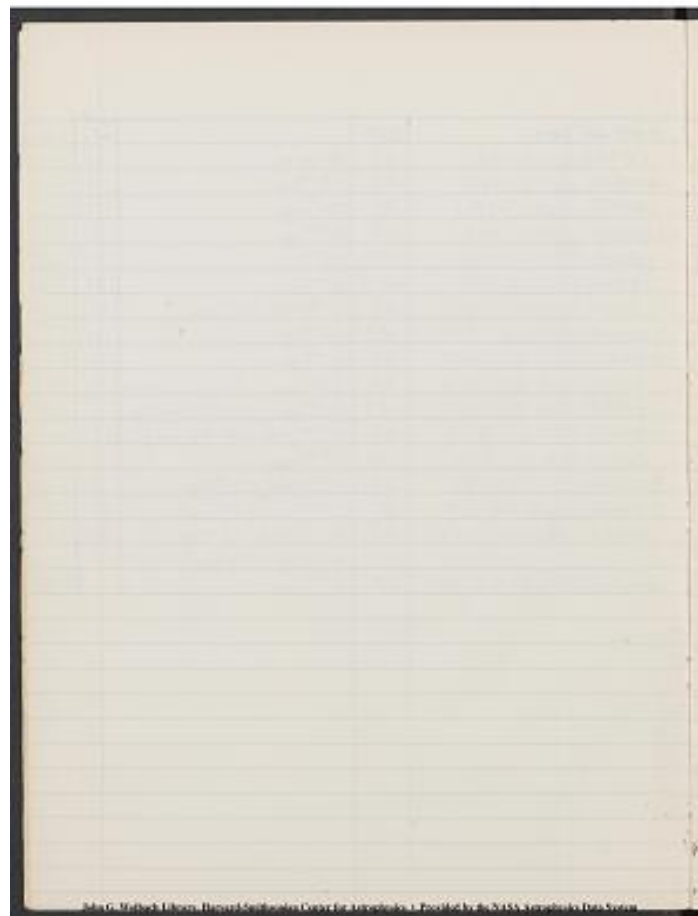
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PLATE NO	DATE	EST	2nd est	m
2939	Sept. 3, 1940	A5 30 ^h exp.	A5	10.01
2943	Sept. 4, 1940	A6 15 ^h exp.		10.12
2950	Sept. 5, 1940	A8 30 ^h exp.	A7	10.33-10.23
2953	Sept. 5, 1940	A7 30 ^h exp.	A8	10.23-10.33
3008	Oct. 22, 1940	A8 30 ^h exp.	A7	10.33-10.23
3011	Oct. 22, 1940	A8-9 30 ^h exp.	A8	10.39-10.33
3018	Oct. 24, 1940	A9 10 ^h trail, 60 ^h exp.	A8	10.44
3019	Oct. 26, 1940	A7 30 ^h exp.	A8	10.23-10.33
3021	Oct. 26, 1940	A9 30 ^h exp.	A8	10.44-10.33
3026	Oct. 28, 1940	A9 30 ^h exp., double images	A9	10.44
3028	Oct. 28, 1940	A9 30 ^h exp., double images		10.44
3033	Oct. 31, 1940	A9 30 ^h exp., double images	A9	10.44
3035	Oct. 31, 1940	A8 13 ^h exp.		10.33
3069	Sept. 19, 1941	A7 10 ^h trail, 60 ^h exp.		10.23
3072	Sept. 27, 1941	A9 10 ^h trail, 1 ^h exp.	A9	10.44
3498	Sept. 26, 1951	A5 10 ^h trail, 60 ^h exp. aurora 5		below Polaris
4873	May 28-25, 1970	A8 6 ^h exp.		10.33

PLATE NO	DATE	EST	2nd est	m
2939	Sept. 3, 1940	A5 30 ^h exp.	A5	10.01
2943	Sept. 4, 1940	A6 15 ^h exp.		10.12
2950	Sept. 5, 1940	A8 30 ^h exp.	A7	10.33-10.23
2953	Sept. 5, 1940	A7 30 ^h exp.	A8	10.23-10.33
3008	Oct. 22, 1940	A8 30 ^h exp.	A7	10.33-10.23
3011	Oct. 22, 1940	A8-9 30 ^h exp.	A8	10.39-10.33
3018	Oct. 24, 1940	A9 10 ^h trail, 60 ^h exp.	A8	10.44
3019	Oct. 26, 1940	A7 30 ^h exp.	A8	10.23-10.33
3021	Oct. 26, 1940	A9 30 ^h exp.	A8	10.44-10.33
3026	Oct. 28, 1940	A9 30 ^h exp., double images	A9	10.44
3028	Oct. 28, 1940	A9 30 ^h exp., double images		10.44
3033	Oct. 31, 1940	A9 30 ^h exp., double images	A9	10.44
3035	Oct. 31, 1940	A8 13 ^h exp.		10.33
3069	Sept. 19, 1941	A7 10 ^h trail, 60 ^h exp.		10.23
3072	Sept. 27, 1941	A9 10 ^h trail, 1 ^h exp.	A9	10.44
3498	Sept. 26, 1951	A5 10 ^h trail, 60 ^h exp. aurora 5	A5	below Polaris
4873	May 28-25, 1970	A8 6 ^h exp.		10.33

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[[no input]]



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REVALUATION OF PLATES TAKEN ON SAME DAY - BUT WITH DIFFERENT RESULTS OBTAINED

[[table]]

PLATE NO	FIRST EST	SEC. EST
72	A6	A7
73	A9	A8
88	A5	A6
89	A6	A7
90	A8	A8-9
163	A7	A8
166	A9	A8
212	A6	A7
214	A9	A7
583	A9-B	A9
584	A8	A8
959	A8	A7
961	A6	A6
2350	A9	A8
2353	A7	A9
2552	A8	A7
2554	A7	A7
2566	A6	A7
2568	A7	A7
2569	A7	A8
2571	A8	A6
2563	A8	A7
2565	A8	A7
2614	A8	A6
2616	A7	A7

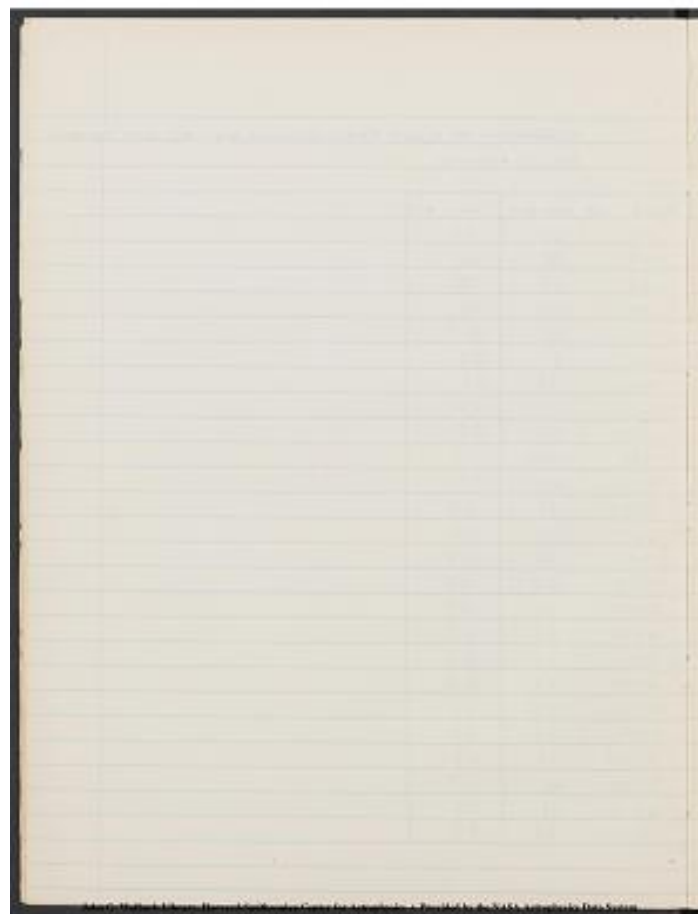
[[/table]]

REVALUATION OF PLATES TAKEN ON SAME DAY - BUT WITH DIFFERENT RESULTS OBTAINED

PLATE NO	FIRST EST	SEC. EST
72	A6	A7
73	A9	A8
88	A5	A6
89	A6	A7
90	A8	A8-9
163	A7	A8
166	A9	A8
212	A6	A7
214	A9	A7
583	A9-B	A9
584	A8	A8
959	A8	A7
961	A6	A6
2350	A9	A8
2353	A7	A9
2552	A8	A7
2554	A7	A7
2566	A6	A7
2568	A7	A7
2569	A7	A8
2571	A8	A6
2563	A8	A7
2565	A8	A7
2614	A8	A6
2616	A7	A7

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 Observatory Miscellaneous Variables #
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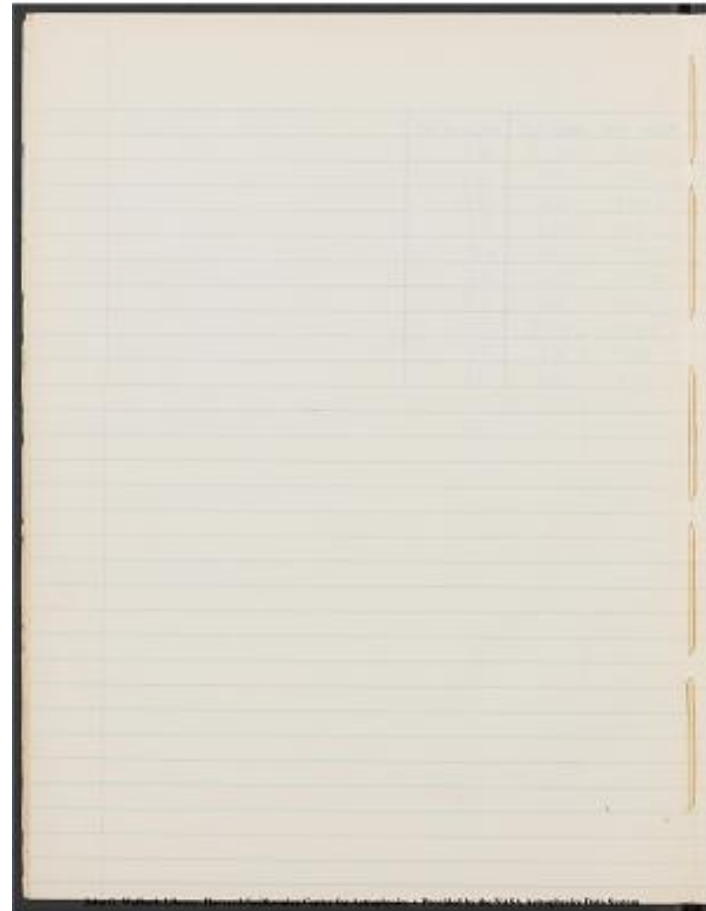


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[[table]]		
PLATE	NA	FIRST EST SECOND EST
2664	A8-9	A8
2667	A9	A9
2668	A8	A6
2670	A9	A8
2650	A8	A7
2653	A7	A8
3008	A8	A7
3011	A8-9	A8
3019	A7	A8
3021	A9	A8
[[/table]]		

PLATE	NA	FIRST EST	SECOND EST
2664	A8-9	A8	
2667	A9	A9	
2668	A8	A6	
2670	A9	A8	
2650	A8	A7	
2653	A7	A8	
3008	A8	A7	
3011	A8-9	A8	
3019	A7	A8	
3021	A9	A8	

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Reevaluate Extremes

Plate	NA	1st est.	2nd est.
68	A9	A8	
88	A5	A6	
97	A9	A7	
141	A5	A7	
166	A9	A9	
180	A9	A9	
183	A9	A9	
193	A9	A9	
214	A9	A8	
234	A9	A8	
236	A9	A9	
244	A9	A9	
520	A9	A7	
583	A9-B	A8	
765	A9	A9	
2226	A9	A9	
2229	A9	A8	
2345	A9	A9	
2350	A9	A9	
2477	A9	A9	
2481	A9-B	A9	
2531	A9	A9	
2557	A5	A7	
2559	A5	A8	
2587	A9	A8	
2589	A9	A8	
2667	A9-B	A8	

RE-EVALUATE, EXTREMES		
PLATE NO.	1ST EST.	2ND EST.
68	A9	A8
88	A5	A6
97	A9	A7
141	A5	A7
166	A9	A9
180	A9	A9
183	A9	A9
193	A9	A9
214	A9	A8
234	A9	A8
236	A9	A9
244	A9	A9
520	A9	A7
583	A9-B	A8
765	A9	A9
2226	A9	A9
2229	A9	A8
2345	A9	A9
2350	A9	A9
2477	A9	A9
2481	A9-B	A9
2531	A9	A9
2557	A5	A7
2559	A5	A8
2587	A9	A8
2589	A9	A8
2667	A9-B	A8

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Plate	NA	1st est.	2nd est.
2670	A9	A8	
2676	A9	A9	
2677	A9	A9	
2683	A9	A8	
2934	A5	A6	
2938	A5	A5	
2939	A5	A5	
3018	A9	A8	
3021	A9	A8	
3026	A9	A9	
3028	A9	A8-9	
3033	A9	A9	
3072	A9	A9	
3498	A5	A5	

PLATE NO.	1st est.	2nd est.
2670	A9	A8
2676	A9	A9
2677	A9	A9
2683	A9	A8
2934	A5	A6
2938	A5	A5
2939	A5	A5
3018	A9	A8
3021	A9	A8
3026	A9	A9
3028	A9	A8-9
3033	A9	A9
3072	A9	A9
3498	A5	A5

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Obtain magnitudes of comparable stars using north polar sequence stars

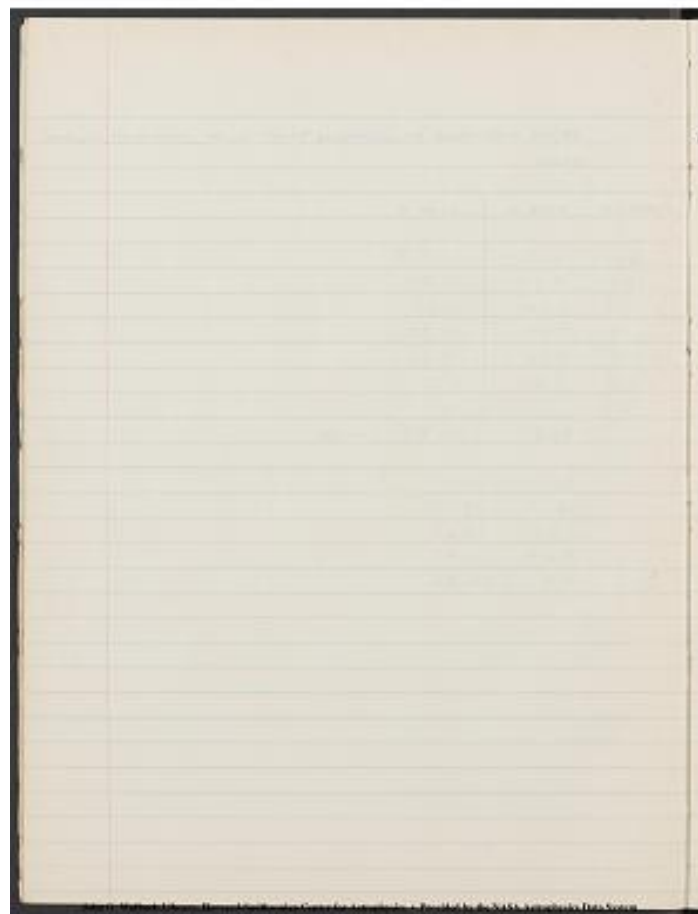
Plate NA	Star A	Star B
64	9.70	10.77
234	9.60	10.77
2587	9.40	10.50
2610	9.40	10.32
2934	9.40	10.60
2939	9.30	10.32
	9.47	10.55 average

A5 = 10.01
A6 = 10.12
A7 = 10.23
A8 = 10.33
A9 = 10.44

OBTAIN MAGNITUDES OF COMPARABLE STARS USING NORTH POLAR SEQUENCE STARS		
PLATE NA	STAR A	STAR B
64	9.70	10.77
234	9.60	10.77
2587	9.40	10.50
2610	9.40	10.32
2934	9.40	10.60
2939	9.30	10.32
	9.47	10.55 average
A5 =	10.01	
A6 =	10.12	
A7 =	10.23	
A8 =	10.33	
A9 =	10.44	

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[[no input]]



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SUPPLEMENTARY PLATES

[[table]]

PLATE NA|DATE|JULIAN DATE|EST|m|

14	July 22, 1914	20336	A8	10.33
16	July 22, 1914	20336	A8	10.33
17	Aug. 1, 1914	20346	A7	10.23
20	Aug. 7, 1914	20352	A8	10.33
24	Aug. 31, 1914	20376	A7	10.23
25	Aug. 31, 1914	20376	A7	10.23
38	Sept. 16, 1914	20392	A7	10.23
67	Oct. 30, 1914	20436	A8	10.33
70	Nov. 12, 1914	20449	A8	10.33
71	Nov. 12, 1914	20449	A9	10.44
74	Nov. 14, 1914	20451	A9	10.44
75	Nov. 17, 1914	20454	A7	10.23
81	Dec. 10, 1914	20477	A7	10.23
84	Dec. 12, 1914	20479	A8	10.33
91	Dec. 16, 1914	20483	A6	10.12
100	June 29, 1915	20678	A7	10.23
178	Nov. 6, 1915	20808	A7	10.23
190	Nov. 30, 1915	20832	A8	10.33
199	Dec. 13, 1915	20835	A8	10.33
202	Dec. 3, 1915	20835	A9	10.44
207	Dec. 4, 1915	20836	A9	10.44
226	Aug. 1, 1916	21077	A9	10.44
279	Oct. 1, 1916	21138	A8	10.33
284	Oct. 1, 1916	21138	A7	10.23
545	Jan. 14, 1925	24165	A9	10.44
673	Oct. 1, 1927	25155	A7	10.23
3060	July 20, 1941	30196	A6	10.12

[[/table]]

SUPPLEMENTARY PLATES				
PLATE	NA	DATE	TIME (GMT)	EST
14	July 22, 1914	20336	A8	10.33
16	July 22, 1914	20336	A8	10.33
17	Aug. 1, 1914	20346	A7	10.23
20	Aug. 7, 1914	20352	A8	10.33
24	Aug. 31, 1914	20376	A7	10.23
25	Aug. 31, 1914	20376	A7	10.23
38	Sept. 16, 1914	20392	A7	10.23
67	Oct. 30, 1914	20436	A8	10.33
70	Nov. 12, 1914	20449	A8	10.33
71	Nov. 12, 1914	20449	A9	10.44
74	Nov. 14, 1914	20451	A9	10.44
75	Nov. 17, 1914	20454	A7	10.23
81	Dec. 10, 1914	20477	A7	10.23
84	Dec. 12, 1914	20479	A8	10.33
91	Dec. 16, 1914	20483	A6	10.12
100	June 29, 1915	20678	A7	10.23
178	Nov. 6, 1915	20808	A7	10.23
190	Nov. 30, 1915	20832	A8	10.33
199	Dec. 13, 1915	20835	A8	10.33
202	Dec. 3, 1915	20835	A9	10.44
207	Dec. 4, 1915	20836	A9	10.44
226	Aug. 1, 1916	21077	A9	10.44
279	Oct. 1, 1916	21138	A8	10.33
284	Oct. 1, 1916	21138	A7	10.23
545	Jan. 14, 1925	24165	A9	10.44
673	Oct. 1, 1927	25155	A7	10.23
3060	July 20, 1941	30196	A6	10.12

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Remeasure - CH STAR

PLATE	JD+DEC	est
NA1	2420091	-
3	2420093	-
4	20093	-
14	20336	A8
16	20336	A7
17	20346	560 602 [560] A6
18	642	-
19	348	-
20	352	A9
21	358.595	-
22	358	A8
23	367	-
24	376	A7
25	376	A7
26	379	-
27	385	A8
29	388.580	A9-B
33	390.626	A7
35	391.560	A8
38	392.673	A8
46	394.650	A8
47	395	A7
59	399.639	A8
60	400.625	A8
64	433.575	A8
65	436.542	A9
66	555	A8
67	698	B

Remeasure - CH STAR

PLATE	JD+DEC	est
NA 1	2420091	-
3	2420093	-
4	20093	-
14	20336	A8
16	20336	A7
17	20346	560 602 [560] A6
18	642	-
19	348	-
20	352	A9
21	358.595	-
22	358	A8
23	367	-
24	376	A7
25	376	A7
26	379	-
27	385	A8
29	388.580	A9-B
33	390.626	A7
35	391.560	A8
38	392.673	A8
46	394.650	A8
47	395	A7
59	399.639	A8
60	400.625	A8
64	433.575	A8
65	436.542	A9
66	555	A8
67	698	B

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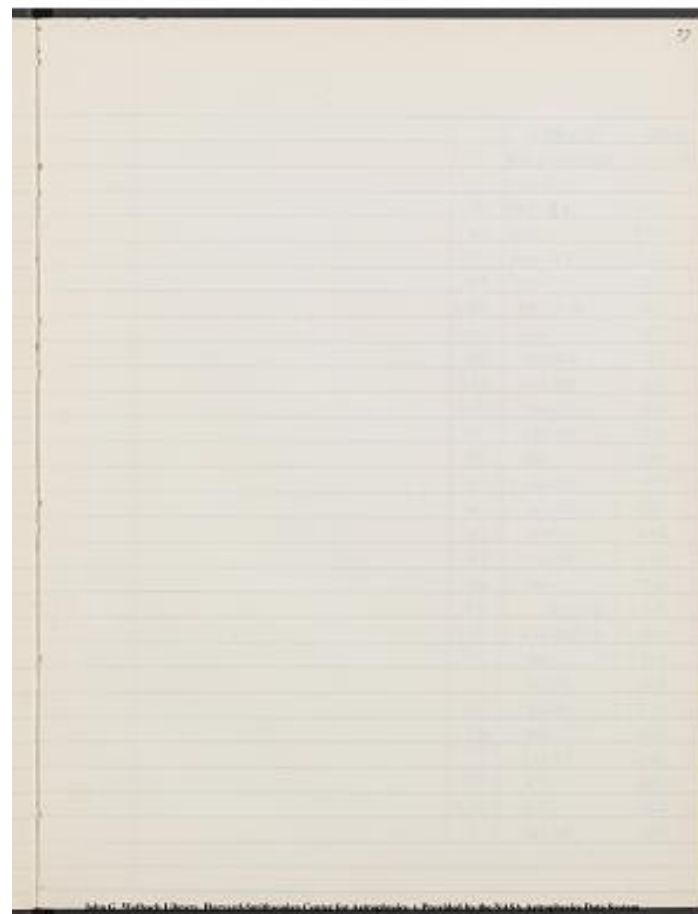


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Plate	JD & Dec	
NA 68	2420447	A9
70	449.649	A9
71	694	A8 [^] [[mult. images]]
72	450.616	A7
73	713	A7 [^] [[double]]
74	451.623	A6
75	454. [[strikethrough]] 253 [[/strikethrough]]	460 A7
76	495	A7
77	615	A8
78	455.607	A8
80	460.758	A8
81	477.680	A6
84	479.638	A7
88	482.492	A6
89	614	A6
90	759	A8
91	483.658	A5
97	670.629	A7
100	611	A8
102	[[strikethrough]] 8 [[/strikethrough]] .665	A7
104	84.690	A7 [^] [[out of focus]]
107	759	A8
109	85.740	A6-7
112	806	A6
123	744.590	-
126	668	A8
127	45.621	-
132	51.735	A7

Plate	JD & DEC	
69	2420447	A9
70	449.649	A9
71	694	A8 [^] [[mult. images]]
72	450.616	A7
73	713	A7 [^] [[double]]
74	451.623	A6
75	454. [[strikethrough]] 253 [[/strikethrough]]	460 A7
76	495	A7
77	615	A8
78	455.607	A8
80	460.758	A8
81	477.680	A6
84	479.638	A7
88	482.492	A6
89	614	A6
90	759	A8
91	483.658	A5
97	670.629	A7
100	611	A8
102	[[strikethrough]] 8 [[/strikethrough]] .665	A7
104	84.690	A7 [^] [[out of focus]]
107	759	A8
109	85.740	A6-7
112	806	A6
123	744.590	-
126	668	A8
127	45.621	-
132	51.735	A7

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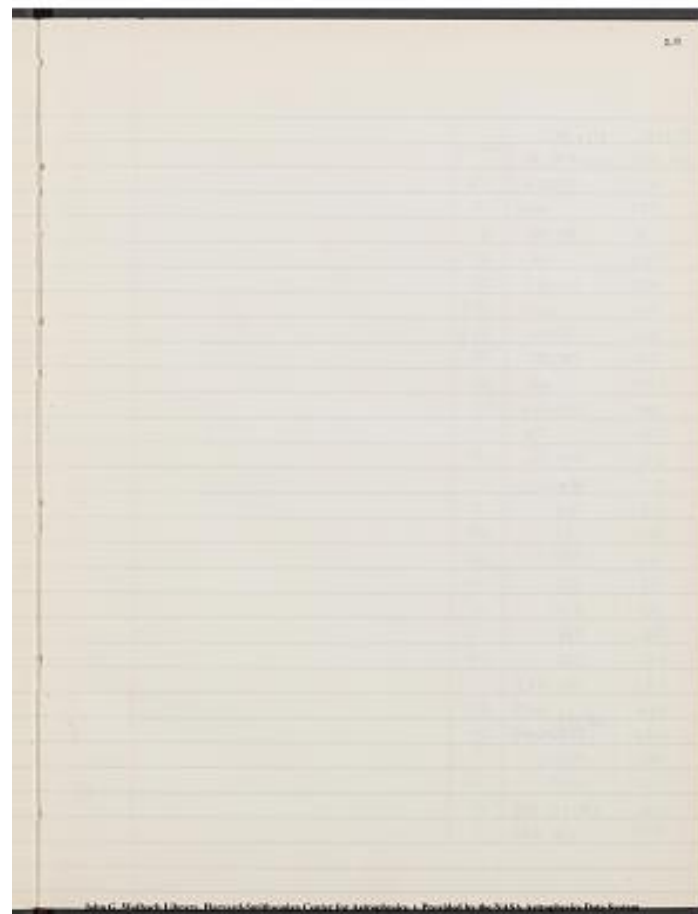


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Observatory Miscellaneous Variables #
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[[table]]
 Plate|JD & Dec| |
 NA 135|2420751.808|A7|
 141|53.681|A7|
 156|81.570|A9|
 159|.645|A8|
 163|82.594|A7 A9|
 166|.635|A8|
 172|805.597|A9-B|
 175|.660|defect|
 178|808.579|A8|
 180|809.594|A9-B|
 183|.660|A9-B|
 187|32.564|A9|
 190|.627|A8|
 193|33.542|A7|
 199|35.641|[A|
 202|.707|[A|
 204|36.617|[A|
 207|.674|A9:|
 211|21037.|A7|
 212|21038.617|A8-9|
 214|.653|A8|
 216|41.640|-|
 217|44.648|A8|
 220|.700|A9|
 225|77.607|-[mult. images]]
 226|.698|A9|
 229|.746|A9-B:|
 230|78.630|-|
 [[/table]]

PLATE	JD + DEC	
135	2420751.808	A7
141	53.681	A7
156	81.570	A9
159	.645	A8
163	82.594	A7 A9
166	.635	A8
172	805.597	A9-B
175	.660	defect
178	808.579	A8
180	809.594	A9-B
183	.660	A9-B
187	32.564	A9
190	.627	A8
193	33.542	A7
199	35.641	[A
202	.707	[A
204	36.617	[A
207	.674	A9:
211	21037.	A7
212	21038.617	A8-9
214	.653	A8
216	41.640	-
217	44.648	A8
220	.700	A9
225	77.607	-^[mult. images]]
226	.698	A9
229	.746	A9-B:
230	78.630	-

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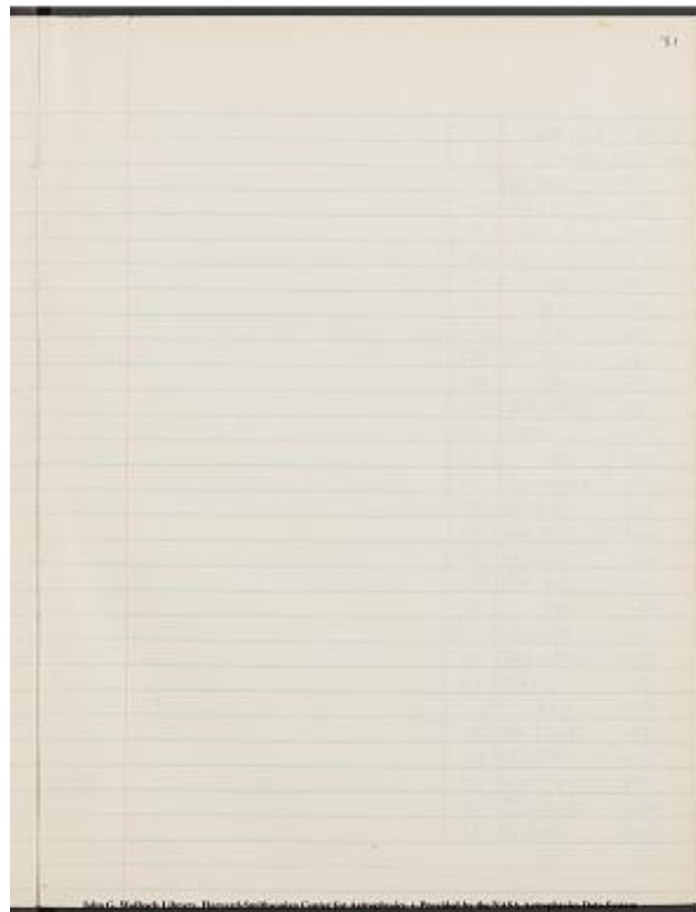


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Plate	JD & Dec	
NA 231	2421978.716	-^[[mult. images]]
234	093.575	A7
236	.602	A8
238	095.596	B
243	.681	A8
244	101.597	A9
248	.663	A8-9
266	108.731	A9-B
279	138.593	A9:^[out of focus]]
284	.656	A9
285	140.692	[A
290	.731	-]
315	214.546	^[534]]A7
317	410.	-]
318	416	-]
319	417	A7:-]
337	497	A6]
338	515	-^[mult. images]]
343	534	-^[mult. images]]
342	519	-^[mult. images]]
344	536	-^[mult. images]]
373	568.515	-]
374	.659	A7]
494	[[878.649]]	[[23398]-]
495	402.	-]
496	407.	-]
506	24115.298	-]
507	116.616	-]

PLATE	JD + DEC	
234	093.575	A7
236	.602	A8
238	095.596	B
243	.681	A8
244	101.597	A9
248	.663	A8-9
266	108.731	A9-B
279	138.593	A9:^[out of focus]]
284	.656	A9
285	140.692	[A
290	.731	-]
315	214.546	^[534]]A7
317	410.	-]
318	416	-]
319	417	A7:-]
337	497	A6]
338	515	-^[mult. images]]
343	534	-^[mult. images]]
342	519	-^[mult. images]]
344	536	-^[mult. images]]
373	568.515	-]
374	.659	A7]
494	[[878.649]]	[[23398]-]
495	402.	-]
496	407.	-]
506	24115.298	-]
507	116.616	-]

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[[table]]
 Plate JD & Dec |
 NA 508|2424116.-|
 517|155.759|-|
 518|.878|-|
 519|.895|-|
 520|.910|A8|
 545|.165|A9|
 571|.379|A6|
 574|.385|A7|
 576|.387|A7|
 579|.391|A8|
 583|.424.552|A7|
 584|.564|A8|
 592|.495.-|
 673|.25155.651|A8|
 674|.159.792|A6|
 677|.169.616|B|
 682|.184.697|A8|
 691|.214.494|B|
 695|.303|A9|
 765|.534.691|A6-7|
 959|.26230.628|A7|
 961|.684|A6|
 1339|.684.-|
 1669|.27653.698|A9|
 1776|.774.677|A7|
 1798|.870.645|A7|
 1961|.28110.691^|[[686]]|A9|
 2226|.844.560|A8|
 [[/table]]

PLATE	JD + DEC	
44	508 2424116.	-
517	155.759	-
518	.878	-
519	.895	-
520	.910	A8
545	.165	A9
571	.379	A6
574	.385	A7
576	.387	A7
579	.391	A8
583	.424.552	A7
584	.564	A8
592	.495	-
673	.25155.651	A8
674	.159.792	A6
677	.169.616	B
682	.184.697	A8
691	.214.494	B
695	.303	A9
765	.534.691	A6-7
959	.26230.628	A7
961	.684	A6
1339	.684	-
1669	.27653.698	A9
1776	.774.677	A7
1798	.870.645	A7
1961	.28110.691^	[[686]] A9
2226	.844.560	A8

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 Observatory Miscellaneous Variables #
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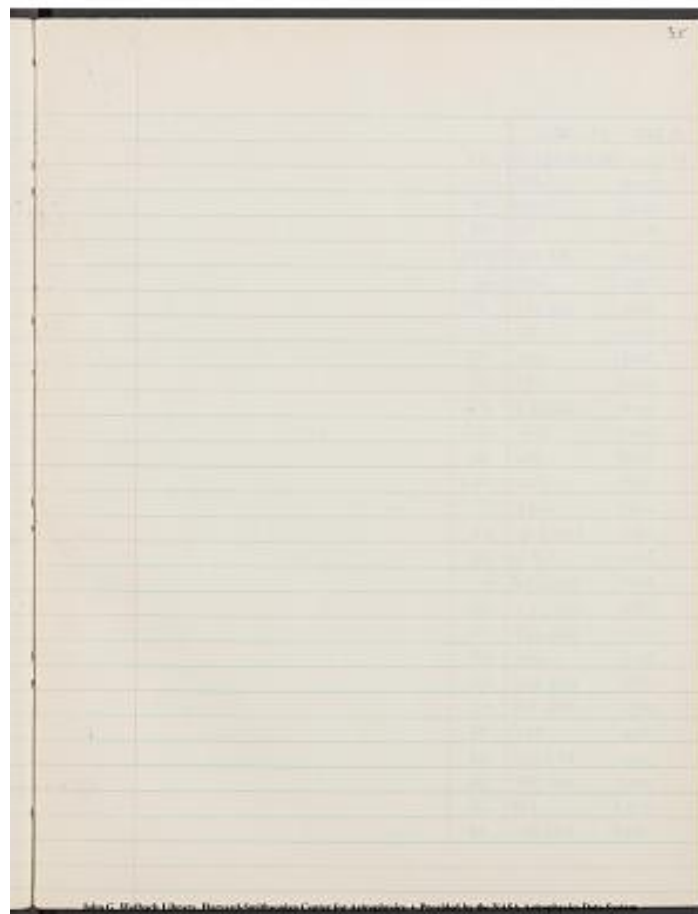


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Observatory Miscellaneous Variables #
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Plate	JD & Dec	
NA2229	2428844.605	A8
2334	977.591	A8
2336	979.546	A9
2338	.573	A8
2345	983.527	A8
2348	.566	A7
2350	985.577	A8
2353	.613	A8
2463	29223.531	A7
2466	.562	A7
2477	224.520	A7-8
2481	.559	A7-8
2513	432.581	A6-7
2522	434.675	-
2523	.681	-
2531	437.655	A7
2552	456.594	A8
2554	.613	A9
2557	.654	A8
2559	.674	A8
2563	460.611	A8
2565	.637	A8
2566	.648	A7
2568	.679	A7-8
2569	.702	A8
2571	.763	A8
2587	468.688	A8
2589	.734	A8

PLATE	JD & Dec	
2334	977.591	A8
2336	979.546	A9
2338	.573	A8
2345	983.527	A8
2348	.566	A7
2350	985.577	A8
2353	.613	A8
2463	29223.531	A7
2466	.562	A7
2477	224.520	A7-8
2481	.559	A7-8
2513	432.581	A6-7
2522	434.675	-
2523	.681	-
2531	437.655	A7
2552	456.594	A8
2554	.613	A9
2557	.654	A8
2559	.674	A8
2563	460.611	A8
2565	.637	A8
2566	.648	A7
2568	.679	A7-8
2569	.702	A8
2571	.763	A8
2587	468.688	A8
2589	.734	A8

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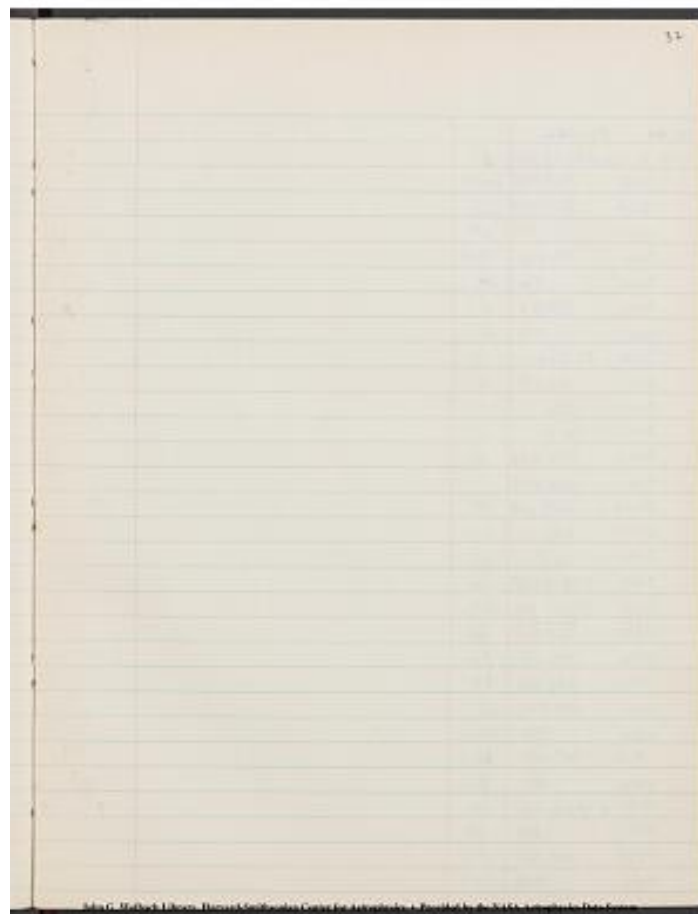
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 Plate JD & Dec |
 NA 2605|2429486.570|A7|
 2607|618|A7|
 2608|644|A8|
 2610|700|A8|
 2614|487.565|A9-B|
 2616|619|B|
 2664|514.523|A9|
 2667|556|A9|
 2668|573|A9|
 2670|623|A8|
 2676|516.527|A7|
 2677|536|A7-8|
 2679|562|A8|
 2680|578|A7-8|
 2683|663|A7|
 2862|845.688|A8|
 2864|742|A8|
 2909|859.629|-|
 2916|863.663|A7|
 2925|868.616|A7|
 2927|665|A7|
 2934|873.714|A6|
 2938|876.638|A7|
 2939|665|A8|
 2943|877.575|A7|
 2950|878.559|A6|
 2953|637|A8|
 3008|925.472|A8|
 [[/table]]

PLATE	JD - DEC	
2607	618	A7
2608	644	A8
2610	700	A8
2614	487.565	A9-B
2616	619	B
2664	514.523	A9
2667	556	A9
2668	573	A9
2670	623	A8
2676	516.527	A7
2677	536	A7-8
2679	562	A8
2680	578	A7-8
2683	663	A7
2862	845.688	A8
2864	742	A8
2909	859.629	-
2916	863.663	A7
2925	868.616	A7
2927	665	A7
2934	873.714	A6
2938	876.638	A7
2939	665	A8
2943	877.575	A7
2950	878.559	A6
2953	637	A8
3008	925.472	A8

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[[no input]]



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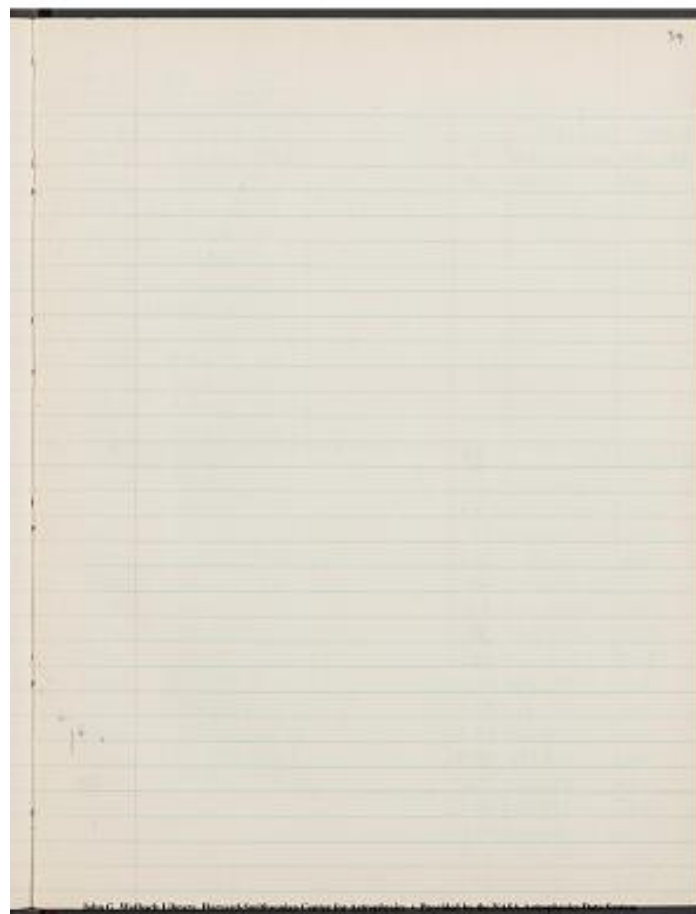
[[table]]
 Plate JD & Dec |
 NA 3011|2429925.541|A7|
 3018|927.658|A8-9|
 3019|929.487|A8|
 3021|.544|A9|
 3026|931.468|A9-B|
 3028|.516|A9:|
 3033|934.482|A8|
 3035|.531|A8|
 3054|30181.649|-|
 3055|185.656|-|
 3057|186.|-|
 3058|187.|-|
 3060|196.574|A9:|
 3061|200.693|-|
 3069|257.649|A9:^[out of focus]]
 3070|265.|-|
 3072|265.|A8|
 3498|33916.637|A6|
 4873|40735.733|A9:|
 4894|766.700|off|
 4899|767.723|A7|
 4906|775.735|A6|
 4912|792.689|A6|
 4921|803.721|A5|
 4924|.788|A4-5|
 4927|805.698|A6-7|
 4930|.781|A7|
 4934|~~775.735~~775.735|A6|
 4937|.823|A7|
 4938|807.557|A7|
 4942|.696|A4-5|
 [[/table]]

PLATE	JD + DEC	
3011	2429925.541	A7
3018	927.658	A8-9
3019	929.487	A8
3021	.544	A9
3026	931.468	A9-B
3028	.516	A9:
3033	934.482	A8
3035	.531	A8
3054	30181.649	-
3055	185.656	-
3057	186.	-
3058	187.	-
3060	196.574	A9:
3061	200.693	-
3069	257.649	A9:^[out of focus]]
3070	265.	-
3072	265.	A8
3498	33916.637	A6
4873	40735.733	A9:
4894	766.700	off
4899	767.723	A7
4906	775.735	A6
4912	792.689	A6
4921	803.721	A5
4924	.788	A4-5
4927	805.698	A6-7
4930	.781	A7
4934	775.735 775.735	A6
4937	.823	A7
4938	807.557	A7
4942	.696	A4-5

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 Observatory Miscellaneous Variables #
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[[no input]]



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Plate	JD & Dec	
NA 4944	2440806.620	-
4948	.769	A7

Plate	(MF,B)	J.D.	V1954 Sgr
MF 8519	23908.862	C6.75	1924
8638	23949.830	E3.2	
8759	24019.625	B8	
8766	24021.574	D4.5	
8770	023.590	G0	1925
9550	352.694	A0	
9565	353.661	B8	
9589	355.669	E7.5	
9597	357.669	F2.33	
9656	371.610	B3.5	
9663	373.620	E5.3	
9672	374.588	F6.70	
9684	376.600	C1.25	
9691	377.602	B3.5	
9740	399.525	F9.33	
9747	401.542	B3.5	
9759	402.554	B8	

PLATE	JD	Dec	
NA 4944	2440806.620	-	
4948	.769	A7	
PLATE (MF, B) J.D. V1954 Sgr			
MF 8519	23908.862	C6.75	1924
8638	23949.830	E3.2	
8759	24019.625	B8	
8766	24021.574	D4.5	
8770	023.590	G0	1925
9550	352.694	A0	
9565	353.661	B8	
9589	355.669	E7.5	
9597	357.669	F2.33	
9656	371.610	B3.5	
9663	373.620	E5.3	
9672	374.588	F6.70	
9684	376.600	C1.25	
9691	377.602	B3.5	
9740	399.525	F9.33	
9747	401.542	B3.5	
9759	402.554	B8	

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[[table]]		
PLATE	J.D.	[V1954 Sgr]
MF 9769	24403.550	D1.8
9779	404.554	D9
9784	405.536	F6.70
9793	406.537	F2.33
11663	25.383.629	D9
11677	25384.626	A0
11730	25389.550	F6.70
11759	25395.556	F6.70
11831	25413.524	F6.70
11871	417.502	C9.5
11900	419.524	G0
11920	421.493	A6.75
11930	423.482	D1.8
12090	451.401	E3.2
12191	474.219	G0
12192	474.251	F6.70
12193	474.282	-
12194	474.314	G0
12195	474.346	F0.07
12241	480.222	E1
12242	480.253	F6.70
12243	480.285	F6.70
12242	480.317	F6.70::
12245	480.348	E7.5
13121	745.642	F0.07
13135	749.620	A6.75
13236	775.553	D1.8
13289	794.474	E3.2
[[/table]]		

PLATE	C. D.	TYPE
MF 9769	24403.550	D1.8
9779	404.554	D9
9784	405.536	F6.70
9793	406.537	F2.33
11663	25.383.629	D9
11677	25384.626	A0
11730	25389.550	F6.70
11759	25395.556	F6.70
11831	25413.524	F6.70
11871	417.502	C9.5
11900	419.524	G0
11920	421.493	A6.75
11930	423.482	D1.8
12090	451.401	E3.2
12191	474.219	G0
12192	474.251	F6.70
12193	474.282	-
12194	474.314	G0
12195	474.346	F0.07
12241	480.222	E1
12242	480.253	F6.70
12243	480.285	F6.70
12242	480.317	F6.70::
12245	480.348	E7.5
13121	745.642	F0.07
13135	749.620	A6.75
13236	775.553	D1.8
13289	794.474	E3.2

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Magnitudes of Comparison Stars (using SA 1)

Plate	Star A	Star B
NA 1776	10.06	11.05
NA 4924	9.95	10.90
NA 243	9.90	11.00
NA 64	9.95	10.95
NA 2950	10.00	10.95
	9.96	10.96 average

A5 = 10.46
A6 = 10.56
A7 = 10.66
A8 = 10.76
A9 = 10.86
B = 10.96

Plate	J.D.	V1954 Sgr
MF 13317	25798.461	A3.5
13349	25806.466	D1.8
13379	25826.335	D1.8
13390	25830.341	A5
13454	25850.313	C1.25
13482	25854.319	A3.5
13496	25855.323	A6.75
13503	25862.288	-
13529	25880.243	B8
13533	25881.242	D9
13562	25887.231	-
14178	26092.635	G0
14192	26093.616	G0

[[image-starplot]]

Magnitudes of Comparison Stars (using SA 1)		
Plate	Star A	Star B
NA 1776	10.06	11.05
NA 4924	9.95	10.90
NA 243	9.90	11.00
NA 64	9.95	10.95
NA 2950	10.00	10.95
	9.96	10.96 average
A5 = 10.46		
A6 = 10.56		
A7 = 10.66		
A8 = 10.76		
A9 = 10.86		
B = 10.96		

Plate	J.D.	V1954 Sgr
MF 13317	25798.461	A3.5
13349	25806.466	D1.8
13379	25826.335	D1.8
13390	25830.341	A5
13454	25850.313	C1.25
13482	25854.319	A3.5
13496	25855.323	A6.75
13503	25862.288	-
13529	25880.243	B8
13533	25881.242	D9
13562	25887.231	-
14178	26092.635	G0
14192	26093.616	G0

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[[table]]

PLATE	J.D.	V1954 Sgr
MF 14206	26095.641	B1
14242	101.621	-
14248	102.635	B8
14253	103.640	C9.5
1		
14352	123.621	F5
14387	130.596	F6.70
14399	131.554	C6.75
14504	157.561	B3.5
14540	160.490	F5
14548	161.548	F6.70
14555	162.566	B8
14594	176.467	B9.5
14723	190.450	D1.8
14751	208.396	D7
14767	211.220	F5
14768	211.251	E7.5
14769	211.283	F6.70
14770	211.315	F6.70
14771	211.347	E3.2
14772	211.379	E7.5
14773	211.411	F6.70
14784	214.360	B5.75
14837	232.310	B5.75
15557	501.596	E5.3 1931
15570	502.558	A6.75
15606	505.576	D7
15660	512.511	F5
15668	516.505	-
^[[1]] MF 14255	26104.544	F0.07

[[/table]]

PLATE	J.D.	V1954 Sgr
MF 14206	26095.641	B1
14242	101.621	-
14248	102.635	B8
14253	103.640	C9.5
1		
14352	123.621	F5
14387	130.596	F6.70
14399	131.554	C6.75
14504	157.561	B3.5
14540	160.490	F5
14548	161.548	F6.70
14555	162.566	B8
14594	176.467	B9.5
14723	190.450	D1.8
14751	208.396	D7
14767	211.220	F5
14768	211.251	E7.5
14769	211.283	F6.70
14770	211.315	F6.70
14771	211.347	E3.2
14772	211.379	E7.5
14773	211.411	F6.70
14784	214.360	B5.75
14837	232.310	B5.75
15557	501.596	E5.3 1931
15570	502.558	A6.75
15606	505.576	D7
15660	512.511	F5
15668	516.505	-
MF 14255	26104.544	F0.07

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[[table]]			
PLATE(MF) J.D. V 954 Sgr [[margin]] 1932 [[margin]]			
16770	26838.524	E3.2	
16837	857.623	E7.5	
16940	872.571	F6.70	
16975	886.296	A6.75	
17010	892.534	A8.7	
17202	923.441	A3.5	
17376	950.346	C6.75	
17422	956.361	D1.8	[[margin]] 1933 [[margin]]
17876	27160.568	D7	
17891	162.638	F6.70	
17127	221.633	C1.25	
18145	223.607	F5	
18153	225.225	A6.75	
18173	237.368	E3.2	
18177	239.337	A6.75	
18179	239.402	B8	
18183	239.548	A6.75	
18185	239.616	B8	
18190	240.335	D1.8	
18192	240.400	B8	
18200	242.488	F9.33	
18209	243.335	F2.33	
18212	243.433	F6.70	
18215	243.535	F5	
18234	247.571	F2.33	
18276	252.572	C6.75	
18283	253.303	E7.5	
18286	253.401	D7	
[[/table]]			

[[table]]			
PLATE(MF) J.D. V 954 Sgr [[margin]] 1932 [[margin]]			
16770	26838.524	E3.2	
16837	857.623	E7.5	
16940	872.571	F6.70	
16975	886.296	A6.75	
17010	892.534	A8.7	
17202	923.441	A3.5	
17376	950.346	C6.75	
17422	956.361	D1.8	[[margin]] 1933 [[margin]]
17876	27160.568	D7	
17891	162.638	F6.70	
17127	221.633	C1.25	
18145	223.607	F5	
18153	225.225	A6.75	
18173	237.368	E3.2	
18177	239.337	A6.75	
18179	239.402	B8	
18183	239.548	A6.75	
18185	239.616	B8	
18190	240.335	D1.8	
18192	240.400	B8	
18200	242.488	F9.33	
18209	243.335	F2.33	
18212	243.433	F6.70	
18215	243.535	F5	
18234	247.571	F2.33	
18276	252.572	C6.75	
18283	253.303	E7.5	
18286	253.401	D7	
[[/table]]			

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[[table]]		
PLATE	J.D.	[V1954Sgr]
MF18289	27253.498	[E5.3]
18292	27253.597	[E7.5]
18297	254.304	[E7.5]
18299	254.368	[F5]
18301	254.433	[E7.5]
18303	254.498	[F0.07]
18310	255.532	[F6.70]
18348	270.514	[B8]
18355	271.306	[C1.25]
18359	271.463	[B8]
18362	272.257	[F2.33]
18364	272.323	[F3.2]
18366	272.390	[F0.07]
18368	272.456	[F6.70]
18378	277.486	[F0.07]
18395	278.543	[F5]
18411	284.496	[B8]
18644	303.359	[D4.5]
18653	305.217	[F9.33]
18666	306.218	[A0][[margin]]1934[[/margin]]
19378	600.617	[F5]
19435	603.585	[B5.75]
19448	606.552	[F6.70]
19555	631.549	[F5]
19582	634.504	-[[margin]]1935[[/margin]]
20570	964.555	[F9.33]
20624	979.386	[B5.75]
20639	980.383	[A6.75]
[[/table]]		

PLATE	J.D.	Variable #
18289	27253.498	E5.3
18292	27253.597	E7.5
18297	254.304	E7.5
18299	254.368	F5
18301	254.433	E7.5
18303	254.498	F0.07
18310	255.532	F6.70
18348	270.514	B8
18355	271.306	C1.25
18359	271.463	B8
18362	272.257	F2.33
18364	272.323	F3.2
18366	272.390	F0.07
18368	272.456	F6.70
18378	277.486	F0.07
18395	278.543	F5
18411	284.496	B8
18644	303.359	D4.5
18653	305.217	F9.33
18666	306.218	A0
19378	600.617	F5
19435	603.585	B5.75
19448	606.552	F6.70
19555	631.549	F5
19582	634.504	-
20570	964.555	F9.33
20624	979.386	B5.75
20639	980.383	A6.75

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[[table]]
 PLATE|J.D.|V1954 sgr|
 MF 20654|27981.380|B8|
 20682|27984.372|[GO|
 30405|30516.403|D1.8|
 38578|33123.282|B8|
 39617|33836.333|F6.70|
 39618|33836.366|[GO|
 39619|.398|F6.70|
 39625|858.230|B8|
 39626|858.262|B8|
 39627|858.294|D1.8|
 39628|858.326|B3.5|
 39629|858.360|A6.75|
 39630|858.392|C6.75|
 39631|858.424|-|
 39632|858.456|D1.8|
 39633|858.488|D1.8|
 39634|858.520|B9.5|
 B 59649|26903.546|[GO^[[1935]]|
 59869|27961.442|B8|
 60699|28276.546|B8^[[1936]]|
 61025|345.534|B8|
 61122|372.211|C9.5|
 61174|390.373|C6.75|
 61368|430.292|D1.8|
 61479|464.237|D1.8|
 62010|638.297|[GO^[[1937]]|
 62295|745.440|E3.2|
 62459|777.314|B8|
 [[/table]]

PLATE	J.D.	TYPE	
MF 20654	27981.380	B8	
20682	27984.372	[GO	
30405	30516.403	D1.8	
38578	33123.282	B8	
39617	33836.333	F6.70	
39618	33836.366	[GO	
39619	.398	F6.70	
39625	858.230	B8	
39626	858.262	B8	
39627	858.294	D1.8	
39628	858.326	B3.5	
39629	858.360	A6.75	
39630	858.392	C6.75	
39631	858.424	-	
39632	858.456	D1.8	
39633	858.488	D1.8	
39634	858.520	B9.5	
B 59649	26903.546	[GO^[[1935]]	
59869	27961.442	B8	
60699	28276.546	B8^[[1936]]	
61025	345.534	B8	
61122	372.211	C9.5	
61174	390.373	C6.75	
61368	430.292	D1.8	
61479	464.237	D1.8	
62010	638.297	[GO^[[1937]]	
62295	745.440	E3.2	
62459	777.314	B8	

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[[table]]	PLATE	J.D	v1954	sgr	1938
	B 62969	28994.585	D1.8		
	63545	29128.376	D7		
	63736	165.294	F5		1939
	64213	376.599	IB8		
	64794	520.355	D1.8		1940
	65245	731.518	F0.07		
	65546	811.514	F5		
	65708	843.440	F5		
	65956	906.261	F6.70		1941
	66350	30087.552	IB8		
	66483	116.469	F5		
	66747	168.536	B8		
	67026	231.382	E3.2		1942
	67356	436.596	E5.3		
	67462	493.444	F5		
	67754	551.282	IB8		1943
	68415	848.477	IB8		
	68593	883.	D7		1944
	69347	31227.641	F5		
	69456	262.342	B8		
	69659	596.248	G0		1945
	70422	592.638	G0		
	70579	613.852	IB8		
	70785	638.315	IB8		
	70975	674.213	E3.2		1946
	71709	969.406	F6.7		
	71849	32002.313	IB8		
	71863	003.315	IB8		
[[/table]]					

PLATE	W.D.	ADP Mm	W.D.	ADP Mm
852405	29449.545	20.5	29449.545	20.5
852406	29128.176	20	29128.176	20
852407	165.277	F5	165.277	F5
852408	176.609	J88	176.609	J88
852409	540.555	D6.2	540.555	D6.2
852410	221.672	F5.12	221.672	F5.12
852411	211.514	F5	211.514	F5
852412	243.440	F5	243.440	F5
852413	306.461	F6.70	306.461	F6.70
852414	30877.552	10.8	30877.552	10.8
852415	176.567	F5	176.567	F5
852416	168.636	88	168.636	88
852417	221.142	F5.2	221.142	F5.2
852418	428.554	F5.1	428.554	F5.1
852419	553.927	F5	553.927	F5
852420	162.462	181	162.462	181
852421	145.372	181	145.372	181
852422	222	20	222	20
852423	11227.671	F5	11227.671	F5
852424	222.312	88	222.312	88
852425	214.272	88	214.272	88
852426	572.633	10	572.633	10
852427	213.582	181	213.582	181
852428	639.315	181	639.315	181
852429	224.203	F5.2	224.203	F5.2
852430	762.906	F6.1	762.906	F6.1
852431	13202.103	181	13202.103	181
852432	203.315	181	203.315	181

Smithsonian Institution Transcription Center, Harvard-Smithsonian Center for Astrophysics

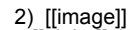
Linda L. Lucignani Summer '70
 Trifid & Lagoon Nebulae Area-
 Blink Microscope NA 3930 - NA 3933

Insufficient identification; No confirmation plates noted!

$[\alpha] 17^{\circ} 54' 54''$

$[\delta] -21^{\circ} 57' 30''$

1) 

2) 

$[\alpha] 18^{\circ} 06' 06''$ good variable

$[\delta] -22^{\circ} 52' 30''$ can't identify

If this is "star" I think is meant, it could be def. as shape is different from others.

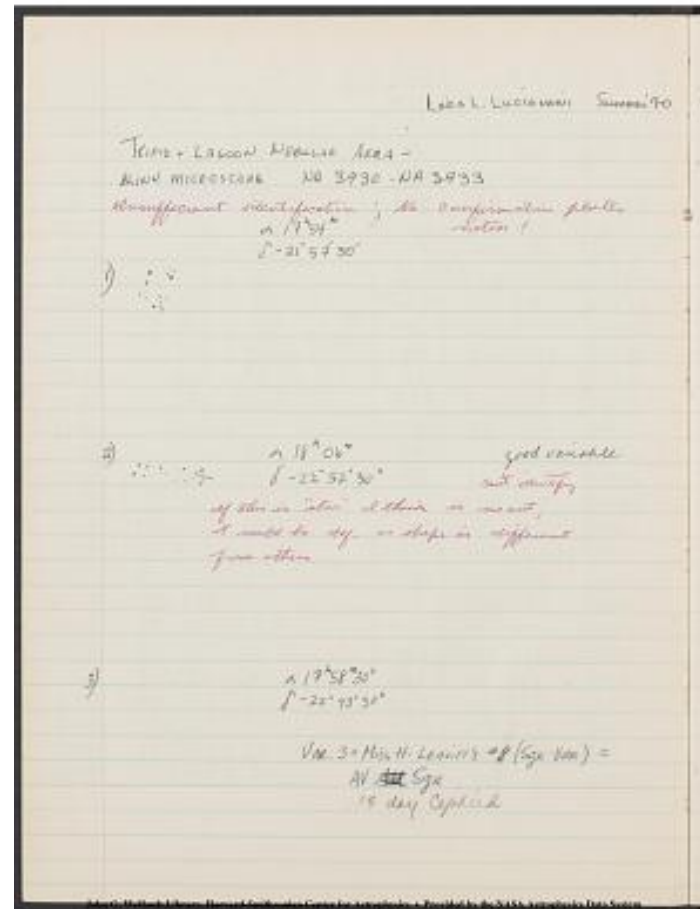
3) $[\alpha] 17^{\circ} 58' 30''$

$[\delta] -22^{\circ} 43' 30''$

Var. 3 = Miss H. Leavitt's #8 (Sgr Var.) = AV

~~AU~~ Sgr

15 day Cepheid



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[[table]]		
PLATE	J.D. V1954 Sqr	
B 72070	32053.379 JB8	
72084	32054. - D1.8	
72183	063.349 F5	
72495	275.596 ?FE? ^[[1947]]	
72500	276.611 E3.2	
72549	293.519 JB8	
72924	374.283 JB8	
72979	385.283 D1.8	
73026	403.214 E3.2	
73194	473.233 B8	
73369	620.608 JB8 ^[[1947]]	
73515	674.472 F9.33	
73622	32702.406 C6.75	
[[/table]]		

PLATE	R.D.	TYPE
B 72070	32053.379	JB8
72084	32054. -	D1.8
72183	063.349	F5
72495	275.596	?FE?
72500	276.611	E3.2
72549	293.519	JB8
72924	374.283	JB8
72979	385.283	D1.8
73026	403.214	E3.2
73194	473.233	B8
73369	620.608	JB8
73515	674.472	F9.33
73622	32702.406	C6.75

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[[image]]

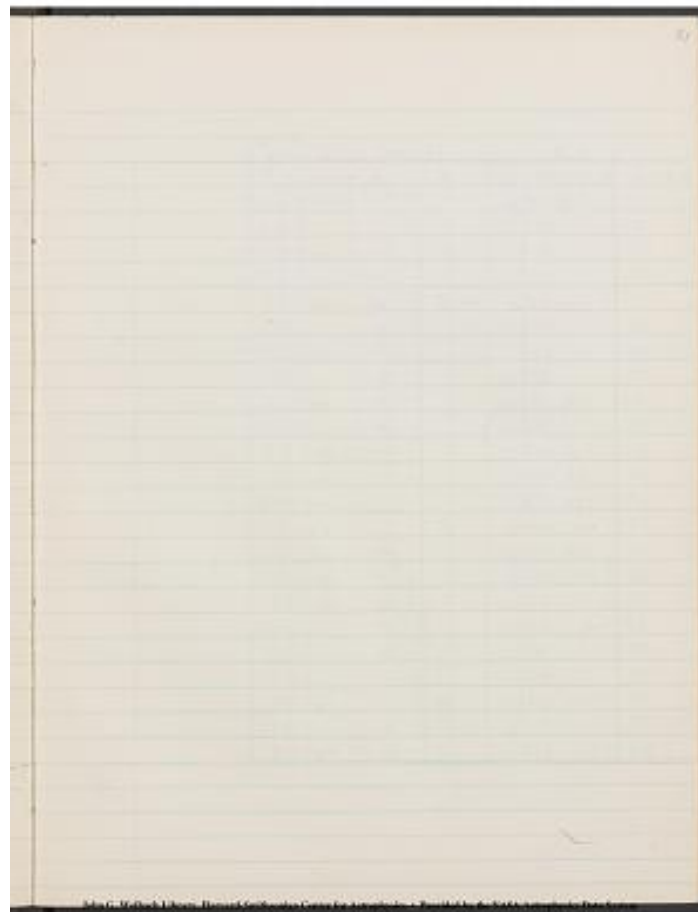
[[table]]

.J.D.[566|B83|V1687=169|566c|Brighter of A,B|V1577 26200+286m
 phi|V1954 Sgr|
 MA 502|24056.545| | | | |m 144|C0|1924|
 618|760.606|b:| | | | |M:|[]-10|[]]|B3|1926|
 3639|35695.621|?| | | | |A|M |[]]
 +57|F5|[[]]F4.99|[[]]1956|
 59|36037.614|b5:| |ft|-A|[[]]M!:[]]m+ 113^[[]]
 A8|1957|
 60|038.647|b3:| |ftA|[[]]M[[]]m+ 114|B5| |
 61|039.589|-| | | | |[[]]M[[]]m 115|C6.75| |
 62|627|b5:| | | | |D.18| |
 63|706|-| | | | |E3.2| |
 64|041.590|-| | | | |F.7.5| |
 66|045.636|b3| |ft|ft?|A|m 121|C5| |
 67|683|b5|M?:| | | | |A|m 121|[]]symbol-arrow to next column to right]]|D4.5|

 ^[[1 |[]]symbol-arrow]]]]69|046.654|-| | | | |m 122|F5| |
 70|699|b3::| | | | |D1.8| |
 ^[[2 |[]]symbol-arrow]]]]71|[[]]048.541[[]]
 36046.737|-| | | | |F.233| |
 ^[[2 |[]]symbol-arrow]]]]73|.640|b3^[[b2]]|M?|med? ft|- -A^[[A]]|m^[[m]]
 124|F5| |
 74|053.647|-| | | | |m129|E3.2| |
 75|.697|-| | | | |m|F5| |
 84|065.582|-| | | | |m141|B3| |
 97|073.623|102|M??|M:-|A|[m149|F5| |
 3701|074.620|103|m|M:-|A|m|150|B3.5| |
 06|101.507|-| | | | |[[]]ft|[[]]]-A|m177|B.65| |
 07|.542|10:m:ft|-A|m|D1.8| |
 08|.580|10:M?|?|-| | | |m|B8| |
 09|102.541|102|M??|m:-|A:m187|F5| |
 [[hard line indicating end of main table, subsequent rows are below the
 main table]]
 ^[[1]]3668|36045.734| | | | | |C.125| |
 ^[[2]]3672|36048.591| | | | | |F5| |
 [[/table]]

[illegible]

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[[table]]

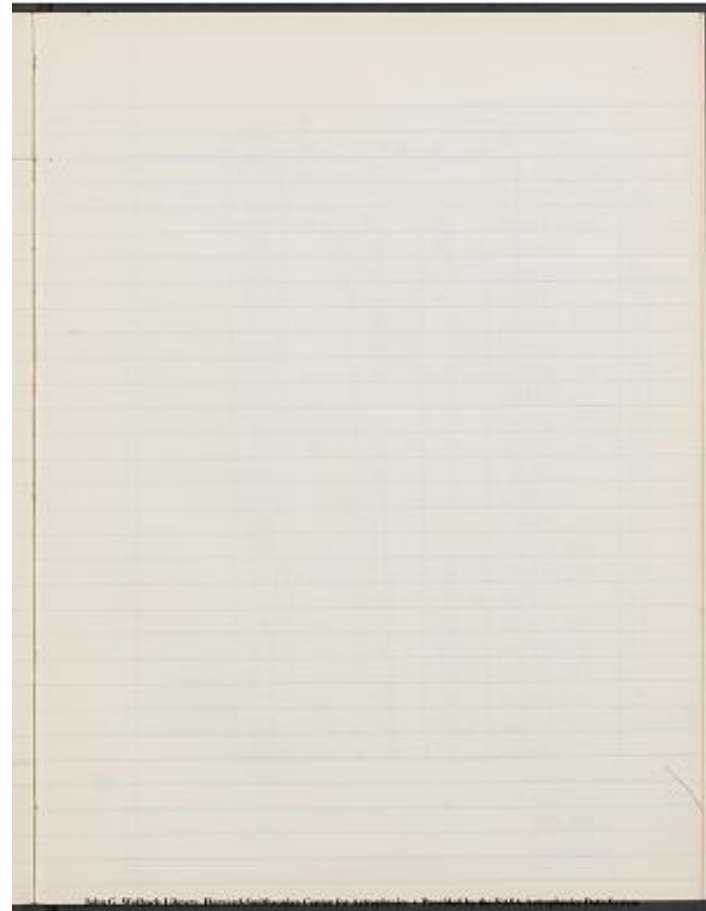
J.D.		169 566^[c] 1577 6 V1954 sgr
NA3710 36102.567 b2	ft - A: m 178 D1.8	
11 104.499 b2	ft - m 180 F5	
12.527	ft - m F5	
13.561	ft - m 180 F5	
14.589	ft - F5	
19 106.525 b2 m? ft - A? m 182 A8		
20.55b a8 m ft - A m A5.5		
21 107.500	ft - m 183 B2.35	
22.535 b2	ft - A: m B5	
23 108.52b a8 m?	ft - A m 184 D1.8	
24.552 b2	ft - A: m E3.2	
26 110.50b	ft - m 186 F0	
27 123.497	ft - m 199 D7	
28 124.513	ft - m 200 A7.5	
29 127.503 b	ft - m 203 F5	
30 132.499 b5	ft - A: m 208 C5	
35 345.926 b	ft - ? m 135 F0.07 ^[[1952]]	
37 347.710 a3	ft - B: m 137 A8.5	
38.744 b	ft - A: m B7.75	
39.799 b5	ft - A: m B13.5	
40.813	ft - m B1	
41 348.718 a5	ft - ? m 138 B8	
42.761 b	ft - A: m B9.5	
50 401.659 b5	? - A: m 191 B4	

[[/table]]

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	S. D.	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000																																																														
37	18	36122	387	12	18	-	11	-	08	11.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			</

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[[table]]				
J.D.^[[[:lower?]]B83 169 566C V1577 28cd^[[cf]] V1954 sgr				
NA3751 36401.691 c: -- all ft m 191 C.125				
52 .772 - -- - B2				
56 402.603 b3 ft - A m 192 -				
57 .649 b3 m? ft - A m A5				
58 .692 b5: - A m A7				
59 .732 b2 ft - A m 193 B2				
63 403.656 b3 ft - A m 193 C5				
64 .723 b: ft - A: - D1.8				
67 404.608 b2 ft - A: m 194 E3.2				
69 406.679 c1 ft - ? m 196 F6.70				
71 421.617: ft - - m 211 A6				
74 425.568 c: ft - A: m 215 G1				
75 .603 b: ft - A m F8.5				
77 .658 b3 m? ft - A m F5				
78 .704 - ft - - G0				
81 427.667 b5: ft - - m 217 A8				
85 435.574 b3 m? - ? m 225 D7				
86 .617 a9:m: ? - A m D7				
88 436.601 a3 -- - m 226 F5				
92 450.547 a8 m - A m 240 F3				
94 456.577 b1: -- - A m 246 F7				
96 462.525 b3 m - A? m 252 E9				
3810^[[1-4 arrow to next column]]720.730 a8 m: ft - A m				
224 F2 ^[[1959]]				
11 .769 b: ft - A m E7				
^[[1]]3798 36483.542 B8:				
^[[2]]3800 36484.527 E2				
^[[3]]3804 36488.508 B[[<u>1959</u>]]9[[<u>1959</u>]]				
^[[4]]3809 36716.717 D0:				
[[/table]]				

Stn	Lat	Long	Alt	Temp	Wind	Clouds	Pressure	Humidity	Visibility	Remarks
37.51	36 40.0	121 01.0	10	-	-	-	30.01	70	10	37.51
38	36 40.0	121 01.0	10	-	-	-	30.01	70	10	38
39	36 40.0	121 01.0	10	-	-	-	30.01	70	10	39
40	36 40.0	121 01.0	10	-	-	-	30.01	70	10	40
41	36 40.0	121 01.0	10	-	-	-	30.01	70	10	41
42	36 40.0	121 01.0	10	-	-	-	30.01	70	10	42
43	36 40.0	121 01.0	10	-	-	-	30.01	70	10	43
44	36 40.0	121 01.0	10	-	-	-	30.01	70	10	44
45	36 40.0	121 01.0	10	-	-	-	30.01	70	10	45
46	36 40.0	121 01.0	10	-	-	-	30.01	70	10	46
47	36 40.0	121 01.0	10	-	-	-	30.01	70	10	47
48	36 40.0	121 01.0	10	-	-	-	30.01	70	10	48
49	36 40.0	121 01.0	10	-	-	-	30.01	70	10	49
50	36 40.0	121 01.0	10	-	-	-	30.01	70	10	50
51	36 40.0	121 01.0	10	-	-	-	30.01	70	10	51
52	36 40.0	121 01.0	10	-	-	-	30.01	70	10	52
53	36 40.0	121 01.0	10	-	-	-	30.01	70	10	53
54	36 40.0	121 01.0	10	-	-	-	30.01	70	10	54
55	36 40.0	121 01.0	10	-	-	-	30.01	70	10	55
56	36 40.0	121 01.0	10	-	-	-	30.01	70	10	56
57	36 40.0	121 01.0	10	-	-	-	30.01	70	10	57
58	36 40.0	121 01.0	10	-	-	-	30.01	70	10	58
59	36 40.0	121 01.0	10	-	-	-	30.01	70	10	59
60	36 40.0	121 01.0	10	-	-	-	30.01	70	10	60
61	36 40.0	121 01.0	10	-	-	-	30.01	70	10	61
62	36 40.0	121 01.0	10	-	-	-	30.01	70	10	62
63	36 40.0	121 01.0	10	-	-	-	30.01	70	10	63
64	36 40.0	121 01.0	10	-	-	-	30.01	70	10	64
65	36 40.0	121 01.0	10	-	-	-	30.01	70	10	65
66	36 40.0	121 01.0	10	-	-	-	30.01	70	10	66
67	36 40.0	121 01.0	10	-	-	-	30.01	70	10	67
68	36 40.0	121 01.0	10	-	-	-	30.01	70	10	68
69	36 40.0	121 01.0	10	-	-	-	30.01	70	10	69
70	36 40.0	121 01.0	10	-	-	-	30.01	70	10	70
71	36 40.0	121 01.0	10	-	-	-	30.01	70	10	71
72	36 40.0	121 01.0	10	-	-	-	30.01	70	10	72
73	36 40.0	121 01.0	10	-	-	-	30.01	70	10	73
74	36 40.0	121 01.0	10	-	-	-	30.01	70	10	74
75	36 40.0	121 01.0	10	-	-	-	30.01	70	10	75
76	36 40.0	121 01.0	10	-	-	-	30.01	70	10	76
77	36 40.0	121 01.0	10	-	-	-	30.01	70	10	77
78	36 40.0	121 01.0	10	-	-	-	30.01	70	10	78
79	36 40.0	121 01.0	10	-	-	-	30.01	70	10	79
80	36 40.0	121 01.0	10	-	-	-	30.01	70	10	80
81	36 40.0	121 01.0	10	-	-	-	30.01	70	10	81
82	36 40.0	121 01.0	10	-	-	-	30.01	70	10	82
83	36 40.0	121 01.0	10	-	-	-	30.01	70	10	83
84	36 40.0	121 01.0	10	-	-	-	30.01	70	10	84
85	36 40.0	121 01.0	10	-	-	-	30.01	70	10	85
86	36 40.0	121 01.0	10	-	-	-	30.01	70	10	86
87	36 40.0	121 01.0	10	-	-	-	30.01	70	10	87
88	36 40.0	121 01.0	10	-	-	-	30.01	70	10	88
89	36 40.0	121 01.0	10	-	-	-	30.01	70	10	89
90	36 40.0	121 01.0	10	-	-	-	30.01	70	10	90
91	36 40.0	121 01.0	10	-	-	-	30.01	70	10	91
92	36 40.0	121 01.0	10	-	-	-	30.01	70	10	92
93	36 40.0	121 01.0	10	-	-	-	30.01	70	10	93
94	36 40.0	121 01.0	10	-	-	-	30.01	70	10	94
95	36 40.0	121 01.0	10	-	-	-	30.01	70	10	95
96	36 40.0	121 01.0	10	-	-	-	30.01	70	10	96
97	36 40.0	121 01.0	10	-	-	-	30.01	70	10	97
98	36 40.0	121 01.0	10	-	-	-	30.01	70	10	98
99	36 40.0	121 01.0	10	-	-	-	30.01	70	10	99
100	36 40.0	121 01.0	10	-	-	-	30.01	70	10	100

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[[table]]

J.D. 566 B83 566c 1577 V1954 Sgr
 NA 3812 36720.806 a8: |ft|-? m 229 F2|
 13 728.683 a8: |ft|-? m 232 G0|
 15 750.638 q8 |ft|-A m 254 D3|
 16 711 b: |ft|-A m E5|
 17 757 a8: |ft|-A | D4:|
 ^[[1 [[symbol-arrow]]] 19 752.732 b: |ft|-A m 256 F4|
 ^[[2 [[symbol-arrow]]] 21 753.652 |ft|-A m 257 E0:|
 22 761 b: |ft|-A m D7|
 23 754.660 b: |ft|-? m 258 A8|
 24 754 a8: |ft|-A m A8|
 25 776 |ft|- m A8|
 26 757.651 |ft|-A m 261 E0|
 27 698 a8: |ft|-A m E2|
 28 730 a8 m? |ft|-A m E3|
 29 758.726 b: |ft|-A m 262 F5|
 30 778 |ft|-? m G0|
 32 775.660 |ft|- m 279 C2|
 34 784.618 a8 m? |ft|-A med 2 E2|
 35 667 1.1 M?? |ft|-A m: D3|
 36 785.583 b2 |ft|-A var 3 A9|
 37 621 b5 |ft|-A var B2|
 38 676 b5 m?? |ft|-A var B3|
 ^[[* [[symbol-arrow to far right column of same row]] 45 803.569 b5 |ft|-
 A var med 21 C3|
 46 804.558 b5 m?? |ft|-A var 22 B3|
 [/table]]
 V1954 sgr *3939/36788.642/D5::
 ^[[1]] NA3818 36752.690 F8:
 ^[[2]] 3820 36753.620 E9::

The image shows a handwritten astronomical data table. The table is organized into columns, with some columns containing numerical values and others containing text or symbols. There are handwritten annotations in blue and red ink, including arrows and underlines, which appear to be corrections or additional information. The paper is slightly aged and has some creases.

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[[table]]
 | J.D. | 169[[image-star plot]]566c|1577 phi|V1954 Sgr|
 |[[symbol-checkmark]]HA 3847|36807.581|b:ft| |A m-med 25|F7
 |[[symbol-checkmark]]|
 52|819.559|b2|ft| |m 3|F0|
 53|832.513|b5|ft| |A mcd 50|F2|
 54|.544|b|-| |A med|F0|
 55|833.534|b5|ft| |A med 51|F2|
 ^[[1 1-2[[symbol-arrow pointing right]]]]58|835.531|b5:|def?| |A med+
 53|A9|
 ^[[2 3[[symbol-arrow pointing right]]]]60|836.502|b5:|?| |m med 54|D3|
 61|.536|b|med:| |A med+|C0|
 ^[[4[[symbol-arrow pointing right]]]]63|837.502|b5:|-| |? med+ 55|E2|
 64|.535|65|mft| |A M|F2|
 65|.564|65|mbr| |ft:A M|D2|
 67|838.496|-| |M 56|D8|
 68|.529|b2|M| |ft?|A M|F0|
 69|.556|b5:|?| |A M|F2|
 71|840.515|b:|?| |A med+ 58|B3|
 78|37102.709|98:|ft| |A med: 34|D4|[[margin]] 1960|[[/margin]]
 79|.751|b:|-| |A med:|D7|
 80|105.625|b:| | |A med- 037|F2|[[symbol-checkmark]]|
 81|717|b:|ft|B~A|-|A B=def? med-|E2|
 82|.758|b5|-| |A med-|F3|
 83|106.661|-| | |m 038|-|
 84|.717|b2| |B~A|-|A m|B2|
 * 85|.770|-| | |A m|A9|
 ^[[5 [[symbol-arrow pointing right]]]] 87|107.763|b8:| | |? m 039|B9|
 [[/table]]

[[table]]
 | | V1954 Sgr|
 ^[[1]] 3856|36833.564|G0|
 ^[[2]] 3857|36834.550|-|
 ^[[^[[1]]3]] 3859|36835.570|B7:|
 ^[[^[[2]]4]] 3862|36836.570|D2|
 ^[[5]] 3866|37106.812|B3:|
 [[/table]]

J.D.	Coordinates	Spectral Type	Notes
169	566c	1577 phi	V1954 Sgr
3847	36807.581	b:ft	A m-med 25 F7
52	819.559	b2 ft	m 3 F0
53	832.513	b5 ft	A mcd 50 F2
54	.544	b -	A med F0
55	833.534	b5 ft	A med 51 F2
58	835.531	b5: def?	A med+ 53 A9
60	836.502	b5: ?	m med 54 D3
61	.536	b med:	A med+ C0
63	837.502	b5: -	? med+ 55 E2
64	.535	65 mft	A M F2
65	.564	65 mbr	ft:A M D2
67	838.496	-	M 56 D8
68	.529	b2 M	ft? A M F0
69	.556	b5: ?	A M F2
71	840.515	b: ?	A med+ 58 B3
78	37102.709	98: ft	A med: 34 D4 1960
79	.751	b: -	A med: D7
80	105.625	b:	A med- 037 F2
81	717	b: ft	B~A - A B=def? med- E2
82	.758	b5 -	A med- F3
83	106.661	-	m 038 -
84	.717	b2	B~A - A m B2
85	.770	-	A m A9
87	107.763	b8:	? m 039 B9

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[[table]]
 | J.D[B83|169|566C|1577|V1954 Sgr|
 NA 3888|37107.807|b:|ft|-| m 39|B8|
 89|111.627|b3:|ft|-|A m 43|F2|
 91|.696|b3| |A m|F0|
 92|.750|b2|ft|-|A m|F2|
 93|112.662|b5|ft| |A m 44|B2|
 94|.698|b2:|ft| |A m|B6|
 95|113.662|b2|ft| |A m 45|B8|
 96|.698|b3|ft| |A? m|B9|
 97|.753|b3|ft| |A m|B4|
 98|114.639|b5|ft| |A m 46|C0|
 99|.674|b|ft| |A m|C0:|
 ^[[2-2 [[symbol-arrow]]]] 3902|131.593|-|ft| |- med? 63|B8:|
 03|.627|b:|ft| |A M|B0:|
 04|.668|a5:|ft| |A M|A9:|
 05|133.595|-|ft| |-? M 65|D5|
 06|.631|c:|ft| |A M|-|
 07|134.645|b7|ft|ft?|A M! 66|E2|
 ^[[3 [[symbol-arrow]]]] 09|136.594|c:|ft|-|? M! 70|F4|
 10|.629|b:|ft|ft|A M|F2|
 11|.674|a8|ft|-|A M|E5:|
 12|.718|b5|ft|-|A M|F3|
 ^[[4 [[symbol-arrow]]]] 14|137.587|b:|ft|-|A M! 71|A9|
 15|.638|b3:|ft|-|A: M|B3|
 ^[[5 [[symbol-arrow]]]] 17|140.653|b8|-|A M! 72|E6|
 [[/table]]

[[table]]
 | | V1954 Sgr[[/u]]
 ^[[1]]3900|37118.717|B7|
 ^[[2]]3901|37118.760|C0:|
 ^[[3]]3908|37134.675|F0:|
 ^[[4]]3913|37136.755|D9:|
 ^[[5]]3916|37137.707|-|
 [[/table]]

J.D.	m	Spectral Type
37107.807	39	B8
111.627	43	F2
.696		F0
.750		F2
112.662	44	B2
.698		B6
113.662	45	B8
.698		B9
.753		B4
114.639	46	C0
.674		C0:
131.593		B8:
.627		B0:
.668		A9:
133.595		D5
.631		M-
134.645		E2
136.594		F4
.629		F2
.674		E5:
.718		F3
137.587		A9
.638		B3
140.653		E6
37118.717		B7
37118.760		C0:
37134.675		F0:
37136.755		D9:
37137.707		-

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[[table]]
 | | 169|566C|1577|V1954 Sgr|
 NA 3918|37140.699|b:|ft|-|A M 72|E7|
 19|141.637|b3| |A M 73|F2|
 20|142.596|b3| |A M! 74|F4|
 21|.653|b5|ft|A|F5|
 [[margin]] 1 [[/margin]]
 23|146.678|b7| |A 78|E1|
 24|167.599|-| |A M: 99|F0::|
 27|171.581|-| |off mcd 103|E5|
 28|.621|-| |off mcd|E8::|
 29|172.553|-| |off mcd 104|F0:|
 30|.587|-| |off ncd|F1|
 31|.624|-| |off m+|F0|
 33|173.592|-| |off m+ 105|E8|
 38|187.546|-| |off m+ 119|B2|
 [[margin]] 2 [[/margin]]
 40|191.537|-| |off m 123|F8|
 41|.580|b3: ?|-|A m|F7|
 42|192.526|-| |off m 124|E2|
 [[margin]] 3 [[/margin]]
 44|193.517|-| |off m 125|A8|
 45|199.510|-| |off m 131|A9|
 46|.544|-| |off m-B3|
 49|215.499|a8:|-|A m 147|F2| [[margin]] 1961 [[/margin]]
 51|437.738|-| |off M [[symbol - checkmark]] 83|E8|
 53|485.701|b3|-|A [[strikethrough]] m+[[strikethrough]] m 131|D5:|
 54|491.661|c:|ft:|-| m 137|D3|
 55|.702|b::|-|A m|D0|
 [[table]]

[[table]]
 | | V1954 Sgr|
 ^[[1]] 3922|37146.637|F3|
 ^[[2]] 3939|37187.588|B5|
 ^[[3]] 3943|37192.557|E0|
 [[/table]]

Mag	RA	Dec	Sp	Var	Notes
14.3918	37140.699	147.1	B	72	E7
19	141.637	147.1	B3	73	F2
20	142.596	147.1	B3	74	F4
21	.653	147.1	B5		F5
23	146.678	147.1	B7	78	E1
24	167.599			99	F0::
27	171.581			103	E5
28	.621				E8::
29	172.553			104	F0:
30	.587				F1
31	.624				F0
33	173.592			105	E8
38	187.546			119	B2
40	191.537				F8
41	.580				F7
42	192.526				E2
44	193.517				A8
45	199.510				A9
46	.544				B3
49	215.499			147	F2
51	437.738			83	E8
53	485.701				D5:
54	491.661				D3
55	.702				D0

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[[9 columned table]]
JD.	169	566^[[c]]	1577	286^[[D]]	V1954 Sgr
 NA 3956|3741.755|b2:|A| |M|D7|C2|
 59|513.639|b1|A|[[symbol - arrow pointing down to m in line
 98]]|159|D5|
 61|520.593|q8:|A| |166|B2|
 71|526.639|b3|zt|A| |172|B3|
 74|527.568|b8|A| |173|B4:|
 76|527.653|A| |B0:|
 79|529.568|A| |175|E0:|
 81|645|b|zt|A| |D8|
 85|543.538|A| |189|F5:|
 87|550.517|b3|M|zt?|A| |196|F3|
 88|541|b3|med?|A| |F2|
 91|570.537|b7|M|A| |216|A9|
 94|574.489|b5:M|A| |220|F3|
 95|510|b|M|A| |F3|
 96|578.478|b7|med|A| |224|D5|
 97|579.482|b:M|A| |225|E0:|
 98|508|b8:M|A|M| |E7|
 4000|582.532|b5:|A| |B3:|
 04|795.771|b2|med|A| |b|ff ^[[[-1962]]|
 08|818.719|b5|zt|A| |czt|m|178|B8|
 09|758|b5|zt|A|[[strikethrough]] def? [[/strikethrough]] czt | [[symbol -
 vertical line]] | |B9:|
 10|792|b2|zt|A|? def: | [[symbol - vertical line]] | |B9|
 12|819.689|b:|zt|A|zt | [[symbol - vertical line]] |179|E1|
 13|726|b5|zt|A|=?^[[[aq?]]?] |m| |E3|

The image shows a handwritten table on a piece of paper, likely a transcription of astronomical data. The table has several columns, some of which contain numerical values and others with text or symbols. The handwriting is in dark ink on a slightly aged, off-white paper. The table is oriented horizontally and occupies most of the page. There are some marginal notes and corrections visible, such as a circled '179' and some crossed-out entries. The overall appearance is that of a field notebook or a data log from an astronomical observation session.

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[[table]]
 J.D. 566|B83|169|566 ^[[c]]|1577 286^[[d]]|V 1954 Sgr|
 NA 4014|37819.760|b:| |ft|-|A m 179|D5|
 16|824.671|-| |ft|-|? m 184|B3|
 17|.706|a7| |ft|-|A m|C2|
 18|.740|b| |ft|-|A m|B9|
 [[strikethrough]]?[[/strikethrough]] 19|.787|b8| |ft|-|? m|B7|
 21|825.716|a8| |ft|-|A m 185|E5|
 22|.754|b| |ft|-|? A m|D0|
 23|.795|b5| |ft|-|A m|D3|
 24|826.762|b:| |ft|-|A m 186|F4|
 25|.787|b8| |ft|-|A m|E5|
 27|841.694|a8| |ft|-|A m 201|B9|
 28|.717|b| |ft|-|A m|B8|
 29|843.679|b| |ft|-|A m 203|B9|
 30|.719|b2| |ft|-|A m|B9|
 31|.767|b:| |ft|-|A m|C0|
 33|844.632|b:| |ft|-|? m 204|D5|
 34|.674|b2| |ft|-|A m|E0|
 35|.724|b3| |ft|-|? m|D9|
 36|.780|a8| |ft|-|A m|D4|
 37|845.660|b| |ft|-|A m 205|F1|
 38|.711|b3| |ft|-|A: m|F0:|
 39|846.645|b5| |ft|-|A m 206|F3|
 40|.680|b3|M|ft|mfT?|A -|off|
 41|.726|b| |ft|? br?|A m|F3|
 [[/table]]

J.D.	RA	Dec	Other
16	824.671	-	184 B3
17	.706	a7	A m C2
18	.740	b	A m B9
19	.787	b8	? m B7
21	825.716	a8	A m 185 E5
22	.754	b	? A m D0
23	.795	b5	A m D3
24	826.762	b:	A m 186 F4
25	.787	b8	A m E5
27	841.694	a8	A m 201 B9
28	.717	b	A m B8
29	843.679	b	A m 203 B9
30	.719	b2	A m B9
31	.767	b:	A m C0
33	844.632	b:	? m 204 D5
34	.674	b2	A m E0
35	.724	b3	? m D9
36	.780	a8	A m D4
37	845.660	b	A m 205 F1
38	.711	b3	A: m F0:
39	846.645	b5	A m 206 F3
40	.680	b3	M ft mfT? A - off
41	.726	b	ft ? br? A m F3

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[[preprinted]]68[[/preprinted]]

[[table]]
| I.D | | 383 | 169 | 566C 566 -B -A -C | 1577 | V1954 Sgr |
NA 40 42 | 37846.773 | b3 | | ft | - | A m 206 | F5 |
43 | 847.609 | b | | ft | - | =? m 207 | D3: |
44 | .647 | b | | ft | - | A m | D4 |
45 | .685 | b5 | | ft | ft: | A m | E3 |
46 | .732 | b: | | ft | - | A? m | B9: |
47 | .770 | a8 | | ft | - | A m | D2 |
50 | 848.720 | b | m: | ft | - | A m 208 | A9 |
51 | .759 | b: | | ft | - | ? m | B2 |
52 | .793 | - | | - | - | A m | B4 |
53 | 851.615 | a8 | | ft | - | A m 211 | D9 |
54 | .653 | 6 | | ft | - | A m | E6 |
55 | .687 | b5 | | ft | ?ft? | A m | F2 |
56 | .724 | b | | ft | - | A m | F2: |
57 | 853.697 | b3: | | ft | - | A m 213 | E3: |
58 | .740 | b3 | | ft | - | A m | D4 |
59 | 856.703 | b ? | ft | ? | A m 216 | E0 |
60 | .742 | a8: | | ft | -ft?? | A m | C2 |
61 | 870.599 | b | | ft | br?? | A m 230 | F2 |
62 | .634 | b2 | | ft | - | A m | F1: |
64 | .706 | b2 | m? | ft | br?? | A m | F4 |
+65 | 873.589 | b | m: | ft | - | A m 233 | B4 |
66 | .605 | b2 | | ft | - ? | A m | B5 |
67 | .621 | b | | ft | ~~ft??~~ | A m | B1 |
68 | .661 | b3 | | ft | - | A m | B3 |
69 | .684 | b8 | | ft | ? | A m | B3 |
[[/table]]

Handwritten astronomical data table from Project PHaEDRA at Maria Mitchell Observatory. The table lists various stars with their IDs, magnitudes, and spectral types. It includes handwritten notes and corrections in blue and red ink.

ID	Magnitude	Star Name	Notes	Spectral Type
40	42	37846.773	b3	F5
43	847.609	b	ft - =? m 207	D3:
44	.647	b	ft - A m	D4
45	.685	b5	ft ft: A m	E3
46	.732	b:	ft - A? m	B9:
47	.770	a8	ft - A m	D2
50	848.720	b	m: ft - A m 208	A9
51	.759	b:	ft - ? m	B2
52	.793	-	- - A m	B4
53	851.615	a8	ft - A m 211	D9
54	.653	6	ft - A m	E6
55	.687	b5	ft ?ft? A m	F2
56	.724	b	ft - A m	F2:
57	853.697	b3:	ft - A m 213	E3:
58	.740	b3	ft - A m	D4
59	856.703	b ?	ft ? A m 216	E0
60	.742	a8:	ft -ft?? A m	C2
61	870.599	b	ft br?? A m 230	F2
62	.634	b2	ft - A m	F1:
64	.706	b2	m? ft br?? A m	F4
+65	873.589	b	m: ft - A m 233	B4
66	.605	b2	ft - ? A m	B5
67	.621	b	ft ft?? A m	B1
68	.661	b3	ft - A m	B3
69	.684	b8	ft ? A m	B3

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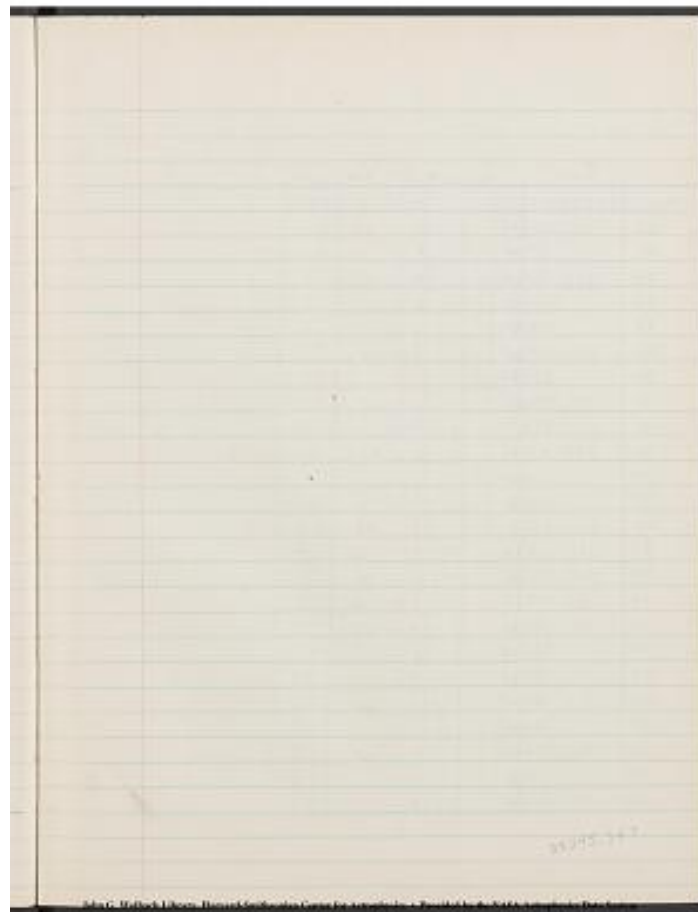


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2040	2050	2060	2070	2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000
2040	2050	2060	2070	2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000

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[[table]]

I.D.	383	566c	V1577 286	V 1954 sgr
HA 4117	38235.690	-	-	-m: 23 F3::
22	252.583	b2	-	A M 40 D9
23	.617	b5	-	A M E0:
24	253.560	b2	-	~ M 41 E8
25	.605	b2	-	A M F5
26	.640	b5	-	A M- E8
27	256.594	65	-	A M 44 A7
28	.635	b3	M:	A M A9
31	257.596	b5	-	AM 45 C9
A32	.634	-	?	? M- C3:
33	258.569	b5	?	A M 46 E1:
34	.616	b2	-	A M D9
35	.648	b5	-	A M D5
36	260.657	b	-	A M 48 F6
37	266.618	b3	-	A M 54 E4
44	287.579	b5	-	A - 75 B4
				1964
49	532.778	b5	-	? m 34 F3
51	551.667	b3	-	? m+ 50 F0
52	.720	a8	-	A med+ E5
53	.759	b5	-	A med+ E3
56	552.726	a8	-	A med+ F2
57	.773	b5	-	A med+ A4
58	563.702	b3:	-	A med+ 65 F8
59	.748	b	-	A med+ F2
60	.791	a8	-	A med F3

[[/table]]

I.D.	383	566c	V1577 286	V 1954 sgr
HA 4117	38235.690	-	-	-m: 23 F3::
22	252.583	b2	-	A M 40 D9
23	.617	b5	-	A M E0:
24	253.560	b2	-	~ M 41 E8
25	.605	b2	-	A M F5
26	.640	b5	-	A M- E8
27	256.594	65	-	A M 44 A7
28	.635	b3	M:	A M A9
31	257.596	b5	-	AM 45 C9
A32	.634	-	?	? M- C3:
33	258.569	b5	?	A M 46 E1:
34	.616	b2	-	A M D9
35	.648	b5	-	A M D5
36	260.657	b	-	A M 48 F6
37	266.618	b3	-	A M 54 E4
44	287.579	b5	-	A - 75 B4
				1964
49	532.778	b5	-	? m 34 F3
51	551.667	b3	-	? m+ 50 F0
52	.720	a8	-	A med+ E5
53	.759	b5	-	A med+ E3
56	552.726	a8	-	A med+ F2
57	.773	b5	-	A med+ A4
58	563.702	b3:	-	A med+ 65 F8
59	.748	b	-	A med+ F2
60	.791	a8	-	A med F3

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[[table]]

J.D.	B83	566 [^] [[c]]	1577 286	V 1954 sgr
NA 4162	38564.722	b5:	-	A: med 66 B3
63	.801	-	-	A: med B5
64	583.699	b	-	A M 85 A9
65	.738	b3:	-	~? def B0::
77	608.675	b	-	~? M- 110 A9
79	611.626	b	-	A M- 113 F2
80	.666	b1	-	A med E7
81	.711	b2:	-	A M- F5:
83	612.569	b2	-	? A M- 114 F2
84	.597	a8:c	-	? A med F2
85	.639	a8, +*ft	-	A med F6
86	.670	b+ft	-	A med E8
87	.702	b	-	~? M- -
89	614.602	b+ft	-	[[br]] - A M- 116
B0				
90	.647	b2+ft	-	br: A med A9
91	.687	b+ft	-	A med B3:
93	615.594	-	-	A med 117 B9
94	.613	b5+ft	-	b2? A med- C1
95	.674	b	-	br: A med- B9
97	617.573	b3	-	A med- 119 E3
98	.610	b5+ft	-	M br? A med- D8
99	.640	b5	-	A med- E2
4207	622.648	b5 + ?	-	? A med- 124 C0:
15	635.565	b3+?	-	br? A med 137 D7
20	886.778	b5:	M?	- A M! 162 B0 [^] [[1965]]

[[/table]]

[[image]]

	72	823 556	1577 286	V 1954
NA 4162	38564.722	b5:	-	A: med 66 B3
63	.801	-	-	A: med B5
64	583.699	b	-	A M 85 A9
65	.738	b3:	-	~? def B0::
77	608.675	b	-	~? M- 110 A9
79	611.626	b	-	A M- 113 F2
80	.666	b1	-	A med E7
81	.711	b2:	-	A M- F5:
83	612.569	b2	-	? A M- 114 F2
84	.597	a8:c	-	? A med F2
85	.639	a8, +*ft	-	A med F6
86	.670	b+ft	-	A med E8
87	.702	b	-	~? M- -
89	614.602	b+ft	-	[[br]] - A M- 116
B0				
90	.647	b2+ft	-	br: A med A9
91	.687	b+ft	-	A med B3:
93	615.594	-	-	A med 117 B9
94	.613	b5+ft	-	b2? A med- C1
95	.674	b	-	br: A med- B9
97	617.573	b3	-	A med- 119 E3
98	.610	b5+ft	-	M br? A med- D8
99	.640	b5	-	A med- E2
4207	622.648	b5 + ?	-	? A med- 124 C0:
15	635.565	b3+?	-	br? A med 137 D7
20	886.778	b5:	M?	- A M! 162 B0 [^] [[1965]]

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[[table]]
 | J.D. | 566^[[c]] | 1577 286 | V1954 Sgr |
 NA 4225 | 38887.781 | b: | - | ? M! 113 | B9 |
 26 | 797 | b | - | A M! | B8 |
 27 | 824 | b: | - | ? M! | B8: |
 32 | 909.775 | b1 | - | A M 125 | F3 |
 35 | 916.703 | b: | - | A M 132 | B7 |
 36 | 735 | b: | - | A- M | D2: |
 37 | 777 | b2 | M: | - | A M | B8 |
 39 | 937.669 | b: | ? | A med 153 | C1: |
 40 | 776 | a8: | br? | A+ med | C2 |
 47 | 939.659 | a8 | M: | - | A m 155 | F4 |
 48 | 726 | b: | ? | A m+ | F5 |
 49 | 762 | b5: +ft | - | A m+ | F2 |
 53 | 943.656 | b: +ft | br: | A m+ 159 | C0: |
 54 | 700 | b5: | - | A m | B9 |
 55 | 734 | b +ft? | - | A m | B8 |
 56 | 766 | b: | ? | ? m | C2 |
 57 | 944.673 | b +c | - | ? m 160 | E4 |
 58 | 708 | b +ft | m: | - | A m | E5 |
 61 | 946.671 | - | - | ? m 162 | F5 |
 63 | 948.694 | - | - | ? m 164 | B8 |
 64 | 735 | b +c | ? | A m | B5 |
 67 | 962.617 | b: | ? | ? m 178 | C3 |
 68 | 682 | b: | - | A m | D9 |
 71 | 963.646 | - | - | ? m 179 | E4 |
 72 | 697 | b | - | A m | E2 |
 [[/table]]

J.D.	Magnitude	Spectral Type	Notes
NA 4225	38887.781	b:	- ? M! 113 B9
26	797	b	- A M! B8
27	824	b:	- ? M! B8:
32	909.775	b1	- A M 125 F3
35	916.703	b:	- A M 132 B7
36	735	b:	- A- M D2:
37	777	b2 M:	- A M B8
39	937.669	b:	? A med 153 C1:
40	776	a8:	br? A+ med C2
47	939.659	a8 M:	- A m 155 F4
48	726	b:	? A m+ F5
49	762	b5: +ft	- A m+ F2
53	943.656	b: +ft	br: A m+ 159 C0:
54	700	b5:	- A m B9
55	734	b +ft?	- A m B8
56	766	b:	? ? m C2
57	944.673	b +c	- ? m 160 E4
58	708	b +ft m:	- A m E5
61	946.671	-	- ? m 162 F5
63	948.694	-	- ? m 164 B8
64	735	b +c	? A m B5
67	962.617	b:	? ? m 178 C3
68	682	b:	- A m D9
71	963.646	-	- ? m 179 E4
72	697	b	- A m E2

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[[table]]
 | | | 566^[[c]]| 1577 986|V 1954 Sgr|
 NA 4274|38973.604|-|-|A m 179|B4:|
 4275|38973.670|b+c|-|A m|B9|
 4276|38973.705|b:-|A m|B9::|
 4283|38976.666|b:-|C? m 192|F3|
 4305|38993.651|b:-|? m 209|C0::|
 4314|38997.584|b5:-|A:-|B0|
 4335|39021.549|-|-|-|missing|
 4344|39030.530|-|-|-|
 4345|39031.506|b3:|A m 247|E4|
 4346|39031.534|-|-|-|off|D8|
 4380|39268.778|b3:|A m 198|D5:|
 4381|39268.817|b5:-|A m|D3|
 *4384|39269.738|b:-|A m 199|B0|
 4385|39269.783|b7:-|A: m|B3|
 4389|39299.687|b3 + ft. vis?|A+ m 229|D9|
 4390|39299.771|b5:-|A m|D4|
 4393|39315.700|-|-|-|
 4394|39318.682|b3+?|vis??|- m 248|B4|
 4395|39318.715|b5 +b5?|A m|B8|
 4400|39321.738|-|-|-|
 4404|39323.693|-|-|-|
 4405|39323.759|b:-|? m 253|F8|
 4410|39324.704|-|-|-|B9::|
 4411|39324.729|-|-|-|C0::|
 4413|39327.650|-|-|A -|E0::|
 [[/table]]

	566^[[c]]	1577	986	V 1954	Sgr
NA 4274	38973.604	-	-	A m 179	B4:
4275	38973.670	b+c	-	A m	B9
4276	38973.705	b:-	-	A m	B9::
4283	38976.666	b:-	-	C? m 192	F3
4305	38993.651	b:-	-	? m 209	C0::
4314	38997.584	b5:-	-	A:-	B0
4335	39021.549	-	-	-	missing
4344	39030.530	-	-	-	
4345	39031.506	b3:	-	A m 247	E4
4346	39031.534	-	-	-	off D8
4380	39268.778	b3:	-	A m 198	D5:
4381	39268.817	b5:-	-	A m	D3
*4384	39269.738	b:-	-	A m 199	B0
4385	39269.783	b7:-	-	A: m	B3
4389	39299.687	b3 + ft. vis?	-	A+ m 229	D9
4390	39299.771	b5:-	-	A m	D4
4393	39315.700	-	-	-	
4394	39318.682	b3+?	-	vis?? - m 248	B4
4395	39318.715	b5 +b5?	-	A m	B8
4400	39321.738	-	-	-	
4404	39323.693	-	-	-	
4405	39323.759	b:-	-	? m 253	F8
4410	39324.704	-	-	-	B9::
4411	39324.729	-	-	-	C0::
4413	39327.650	-	-	A -	E0::

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[[table]]
 | | | | 566^[[c]] | 1577 186 | V 1954 Sgr |
 NA 4414|39327.697|b|M [[symbol - checkmark]]|br?|A m 257|D9|
 4415|39327.740|a9+ft| |br?|A|E4|
 4519|39328.623|[[underlined]]b5+b7|[[underlined]] |
 [[underlined]]|br|[[underlined]]|CA m 258|F2:|
 4520|39328.647|def|m:|br:|- m|E8|
 30|330.724 {709|(?+b5)| |- - 260|-|
 32|344.605|b+?| |br?|A m 274|B7|
 39|351.697|b3:| |- - -|-|
 44|355.631|def| |br|A m 285|B9|
 51|358.585|b+ft| |?|A m 2|C3|
 56|359.623|-| |- - -|F3|
 59|375.542|c+ft?| |?|A: m 19|B7|
 62|376.534|b| |ft?|A 20|D9|
 63|.580|b5:| |?|? m|C3|
 67|380.522|-| |- - -|B7|
 68|.530|-| |- - m 24|B4|
 69|.540|-| |- -|B3|
 70|.563|b+ft| |ft?|A|B7|
 74|382.541|b+ft| |ft?|A 26|D8|
 87|647.772|b3:| |-|A 5|B9|
 92|670.695|-| |- - 28|B9:|
 94|677.673|-| |- - 35|B0|
 95|.695|-| |?|A?|B3|
 96|.753|-| |-|A m|B4:|
 4500|678.638|-| |- - off 36|D1|
 01|.664|-| |- - -|D4:|
 [[/table]]

Time	RA	Dec	Mag	Filter	Notes
19	327.623	62.9	15.5	B	
20	327.623	62.9	15.5	B	
21	327.623	62.9	15.5	B	
22	327.623	62.9	15.5	B	
23	327.623	62.9	15.5	B	
24	327.623	62.9	15.5	B	
25	327.623	62.9	15.5	B	
26	327.623	62.9	15.5	B	
27	327.623	62.9	15.5	B	
28	327.623	62.9	15.5	B	
29	327.623	62.9	15.5	B	
30	327.623	62.9	15.5	B	
31	327.623	62.9	15.5	B	
32	327.623	62.9	15.5	B	
33	327.623	62.9	15.5	B	
34	327.623	62.9	15.5	B	
35	327.623	62.9	15.5	B	
36	327.623	62.9	15.5	B	
37	327.623	62.9	15.5	B	
38	327.623	62.9	15.5	B	
39	327.623	62.9	15.5	B	
40	327.623	62.9	15.5	B	
41	327.623	62.9	15.5	B	
42	327.623	62.9	15.5	B	
43	327.623	62.9	15.5	B	
44	327.623	62.9	15.5	B	
45	327.623	62.9	15.5	B	
46	327.623	62.9	15.5	B	
47	327.623	62.9	15.5	B	
48	327.623	62.9	15.5	B	
49	327.623	62.9	15.5	B	
50	327.623	62.9	15.5	B	

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[[table]]
 J.D | | 566^[[c]] | 1577 286 | V1954 Sgr |
 NA 4502 | 39678.691 | | missing | m 36 | Removed |
 03 | .754 | - | | - | A m+ | D4: |
 13 | 698.618 | - | | - | m+ 56 | D8: |
 26 | 732.558 | | | - | missing - 90 | - |
 28 | 735.621 | b: | | - | ? m? 93 | E2: |
 Perseus ~~[[strickethrough]]~~ | 29 | .716 | | | - | - | ~~[[/strickethrough]]~~ |
 32 | 739.552 | b: | | - | - med+ 97 | A9 |
 33 | .580 | b: | | - | A: m- 97 | B0 |
 36 | 740.582 | b: | | - | A: m- 98 | C2 |
 38 | 741.547 | b: | | - | A m- 99 | E5 |
 39 | .584 | b: | | - | A m 99 | D5: |
 42 | 742.550 | b3 + ft: | M: | - | A: m 100 |
 43 | .582 | - | | - | ~? M | F3: |
 54 | 760.541 | b: | | - | - M 118 | F2:* |
 60 | 761.515 | 761.541 | a9 | | - | A: m 119 | F5 |
 74 | 765.516 | - | | - | - m 123 | CO:~* |
 78 | 766.488 | - | | - | - m 124 | D0: |
 79 | .515 | c+ | | - | A m | D5 |
 85 | 767.513 | ? | | - | A m 125 | F8 |
 87 | 768.511 | - | | - | - M 126 | F:~* |
 91 | 998.788 | b2 + ft | | ft | A m 70 | B2 |
 97 | 40002.779 | b: | | - | A: m+ 74 | F5 |
 98 | .816 | - | | - | - m+ | - |
 4602 | 003.668 | b2 | | - | A med- 75 | E9 |
 04 | 004.710 | - | | - | A med- | C0: |
 [[/table]]
 * light plate
 ~~/ 18 min. exp.

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13	.733	b2	-	A med	D8
14	.774	b:	-	A med+	D6
18	029.769	-	-	101	-
20	039.727	-	-	med+	111 F4::
21	.742	-	-	-	+
25	058.641	b2	m??	A M 130	F5:
26	.668	b8, c	?	A M	F3:
27	.732	b5+ft	-	A M	F4:
28	.752	b3+ft?	-	-	G0::
33	059.614		-	131	missing
34	.631	b3	-	A: M 131	off
37	064.588	-	-	-	-
38	.609	b2:	m?	A+ M 136	F5
39	.635	b5+c?	br	A, c M+	F5
40	.653	-	br	A, c: M	F5
41	.670	-	br?	A M	F5
42	.684	b2	?	A M	F5
43	067.656	b2 + ft	br	A M 139	B8
44	.680	b2: b3	br	A, C: M	C0
45	.695	b2	br	A, C: M	C0
48	068.617	b	-	A M 140	D7
49	.638	b:	-	A M	C3
50	.666	b5+ft	-	A M	D4
51	.684	b5+b7	br:	A, C, M+	D3

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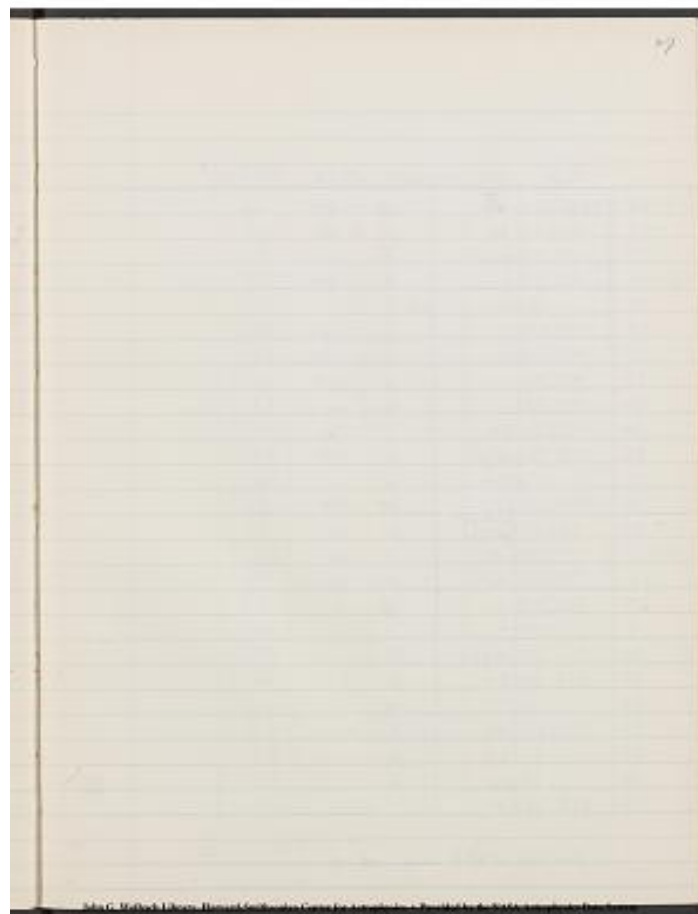
[[no input]]



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[[table]]
 | J.D|lower upper|D83|566^[[c]]|1578 286|V1954 Sgr|
 NA 4652|40068.699|b:| |?|A? M+ 140|F2:|
 53|.716|b3:| |b~?| A.C M+|D2:|
 57|084.554|b:| |br|A,C M
 [[strikethrough]]156[[/strikethrough]]|156|D2:^[[[delta]]|
 58|.583|[[underlined]]b5:b5:|[[/underlined]]| |Max|C,A M|D3|
 59|.606|b3,b5| |A M|C2|
 61|087.583|b3,b8|m|v is ?|A M 159|E2|
 62|.621|b:c|m:|v is ?|A+ M|D9|
 67|090.643|ab?| |A? M 162|D4:|
 69|092.608|b5,b8:|A M- 164|B8|
 77|.113.584|b5:,b5:| |A? med 185|F7|
 79|.114.519|b5,b8|M:|mft|A med 186|F5|
 87|.118.560|b:b5:| |? ft m 190|E3|
 91|.119.519|b5 b8| |A m 191|F2|
 93|.120.517|b5 b5:M:|A m 192|F6|
 4734|382.758|b5: c:| |ft|A M 168|B2|
 35|.783|b3,b5| |A M|B5|
 38|.409.710|b3,b5| |A m+ 195|E2|
 42|.411.708|b3 b5|m?:|A m+ 197|E5|
 43|.412.690|b3 b5| |A m+ 198|B3|
 44|.734|b3 fl| |A m+|B2|
 48|.417.655|b,c|M??|?|A m 203|F2|
 49|.709|a8, c:| |br?|A m|F7|
 53|.418.630|b:,b5:| |A m 204|B4|
 54|.706|b: b:|m?:|A m|B8|
 64|.446.678|-| |- m 232|-|
 [[/table]]
 ^[[delta]] Very irregular darkness

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[[table]]
 J.D. | 566 | | 566^[[c]] | 1577 286 | V1954 Sgr |
 NA 4768 | 40447.648 | off | | - | off - 233 | off |
 93 | 474.533 | b2 | | - | A! m 260 | - |
 94 | 474.570 | b5, b8 | | - | A m | D3 |
 4802 | 476.519 | b5 | | - | A m 202 | F0 |
 03 | .554 | a8 | | ft? | A m | D2 |
 08 | 479.522 | - | | - | A m 263 | FO:: |
 10 | 479.542 | b2 | | - | A m 265 | F2:: |
 20 | 493.500 | - | | - | A: m 279 | B2:- |
 22 | 495.522 | b: | | - | A: m 281 | F1: |
 74 | 735.760 | b2 | | - | A m 235 | - |
 85 | 737.732 | b2+ft | | - | A? m 237 | E8: |
 86 | .776 | b2+ft | | - | A m | F2 |
 91 | 746.782 | b5 | | - | A? m 246 | B3* |
 *98 | 767.678 | d=bright x ft b5, b5 | | - | A: m 267 | F1 |
 4905 | 775.688 | - | | - | ? m 275 | E5 |
 45 | 136.751 | b2 | | - | A m 64 | C5: |
 16 | 799.623 | b+- | | - | A: m 13 | F3 |
 18 | 803.598 | - | | - | off m 19 | C9 |
 19 | .640 | - | | - | off m | - |
 20 | .696 | b3+ft | | - | ? m | C9 |
 25 | 805.600 | b3 | | - | A m 19 | D7 |
 26 | .641 | - | | - | off m | E6 |
 31 | 806.582 | b3: | | - | A m 20 | E6 |
 32 | .617 | b2 | | - | A: m | F2 |
 33 | .650 | b3 | | - | A m | F3 |
 45 | 808.654 | - | | - | - m 22 | B7 |
 [[/table]]
 From here watch comp star of
 * Badly cracked but usable
 [[delta]] Overexposed

JD	Mag	Filter	Notes	Mag	Filter	Notes
474.533	14.0447648	b2		474.533	b2	
474.570	14.570	b5, b8		474.570	b5, b8	
476.519	14.519	b5		476.519	b5	
.554	14.554	a8	ft?	.554	a8	
479.522	14.522			479.522		
479.542	14.542	b2		479.542	b2	
493.500	14.500			493.500		
495.522	14.522	b:		495.522	b:	
735.760	14.760	b2		735.760	b2	
737.732	14.732	b2+ft		737.732	b2+ft	
.776	14.776	b2+ft		.776	b2+ft	
746.782	14.782	b5		746.782	b5	
767.678	14.678	d=bright x ft b5, b5		767.678	d=bright x ft b5, b5	
775.688	14.688			775.688		
136.751	13.751	b2		136.751	b2	
799.623	14.623	b+-		799.623	b+-	
803.598	14.598			803.598		
.640	14.640			.640		
.696	14.696	b3+ft		.696	b3+ft	
805.600	14.600	b3		805.600	b3	
.641	14.641			.641		
806.582	14.582	b3:		806.582	b3:	
.617	14.617	b2		.617	b2	
.650	14.650	b3		.650	b3	
808.654	14.654			808.654		

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[[table]]

J.D.	566	566 ^h [c]	1577	V1954 Sgr
NA 4968	40831.565	-	-	off m 45 F2
69	.603	-	-	m -
76	849.529	b3:	-	A: m 100 F3
5001	41095.744	-	-	off m 23 F0:
02	.722	b3 M:	ft?	A m 23 E8
05	104.738	-	-	off m 32 B4
06	.777	b5 m?	ft	A m B8
15	120.718	b3	-	m 48 F0::
20	121.770	-	-	A? m 49 F0::
21	122.763	b3	-	A m 50 C9:
31	130.734	b: b=ft	-	A m 58 C9
32	.763	a8	-	A m B9:
36	131.802	b5	-	A m 59 C9::
39	135.733	b2	ft?	A m 63 B7
40	.760	b5	-	A m B3
45	136.751	b2	-	A m 64 C5:
48	148.670	-	-	off m 76 B6
57	176.634	-	-	off m+ 104 *E5:
59	177.600	b2 br?	m?	A, c m+ 105 F5:
60	0.631	-	-	-
62	180.612	-	-	off m+ 108 C9
63	.651	b+	-	A m: C9::
67	181.598	b:*	?	A m+ 109 D3
68	.642	-	-	m -
76	188.559	-	-	med 116 E9

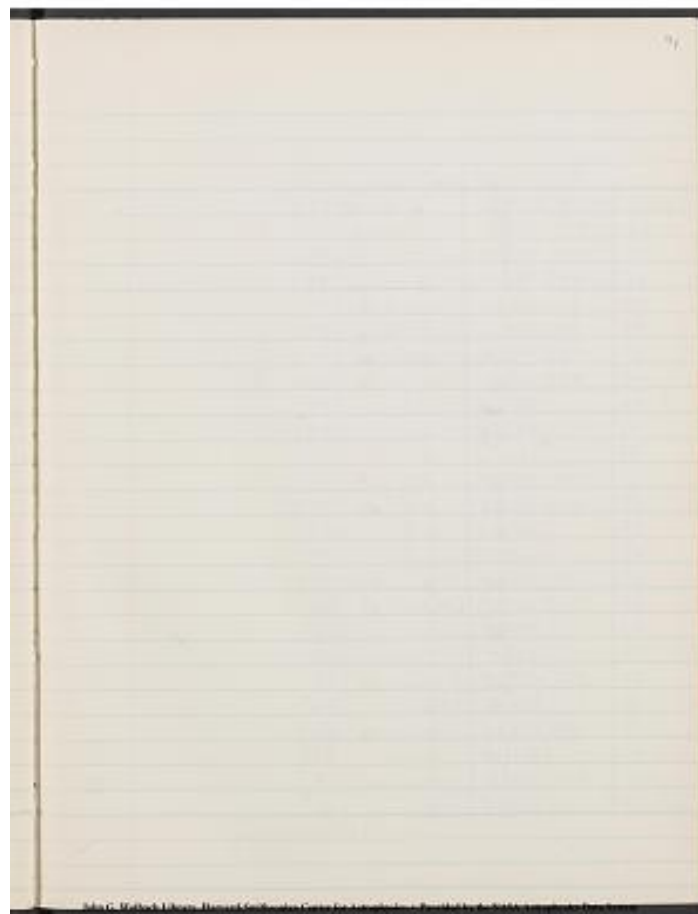
[[/table]]

* dark plate

The image shows a handwritten table on a piece of paper, likely a notebook page. The table is organized into columns with headers: J.D., mag, and others. The data is handwritten in ink, with some corrections and annotations. The table is titled 'V1954 Sgr' at the top right. The data rows correspond to the entries in the transcription provided on the left.

J.D.	mag	Other	Notes
4968	40831.565	-	off m 45 F2
69	.603	-	m -
76	849.529	b3:	A: m 100 F3
5001	41095.744	-	off m 23 F0:
02	.722	b3 M:	ft? A m 23 E8
05	104.738	-	off m 32 B4
06	.777	b5 m?	ft A m B8
15	120.718	b3	- m 48 F0::
20	121.770	-	- A? m 49 F0::
21	122.763	b3	- A m 50 C9:
31	130.734	b: b=ft	- A m 58 C9
32	.763	a8	- A m B9:
36	131.802	b5	- A m 59 C9::
39	135.733	b2	ft? A m 63 B7
40	.760	b5	- A m B3
45	136.751	b2	- A m 64 C5:
48	148.670	-	- off m 76 B6
57	176.634	-	- off m+ 104 *E5:
59	177.600	b2 br?	m? A, c m+ 105 F5:
60	0.631	-	-
62	180.612	-	- off m+ 108 C9
63	.651	b+	- A m: C9::
67	181.598	b:*	? A m+ 109 D3
68	.642	-	- m -
76	188.559	-	- med 116 E9

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[[/table]]
*Sct-Sgr Overlay

John G. McQuinn, Johns Hopkins University Center for Astrophysics. Provided by the NASA Astrophysics Data System

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[[no input]]



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[[preprinted]]90[[/preprinted]]

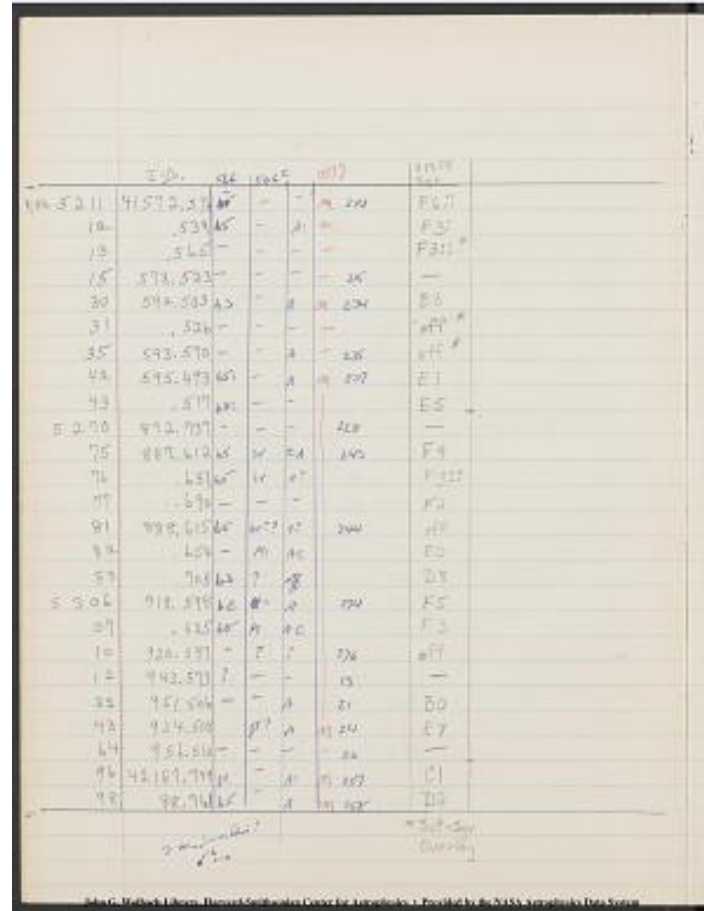
[[table]]

J.D. 566 566^h[c] 1577 V1954 Sgr
NA 5211 41572.516 ~~65~~ ~~65~~ -|-|-m 214 F6::
5212 539 65 -|-|-m F3:
5213 565 -|-|-|- F3::*
5215 573.523 -|-|- 215 -|-
5230 592.503 b3 -|-|-m 234 B8
5231 526 -|-|-|- off*
5235 593.570 -|-|- 235 off*
5242 595.493 b5 -|-|-m 237 E1
5243 517 b8 -|-|-m E5
5270 872.737 -|-|-m 228 -|-
5275 887.612 b5 br CA m 243 F4
5276 651 b5 br A? m F3::
5277 690 -|-|-m F2
5271 888.665 b5 br?? c? m 244 off
5282 654 -|-|-m AC m E0
5283 708 b3 ? off m D8
5306 918.598 b2 ~~M~~ ~~M~~ -|-|-m 274 F5
5307 625 b8 M ac m F3
5310 920.597 -|-|-m 276 off
5312 943.573 ? -|-|-m 13 -|-
5332 951.506 -|-|-m 21 B0
5343 954.508 -|-|-m 24 E7
5364 956.510 -|-|-|- 26 -|-
5396 42187.749 ft -|-|-m 257 C1
5398 88.761 b5 -|-|-m 258 D2

[[/table]]

[[image-star plot]]

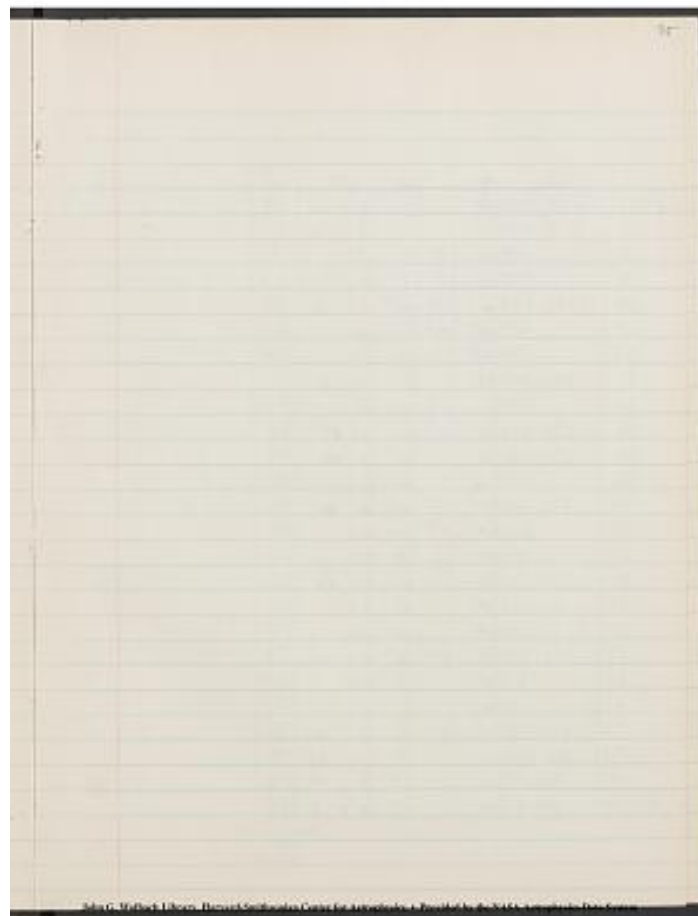
*Sct-Sgr overlay



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[[no input]]



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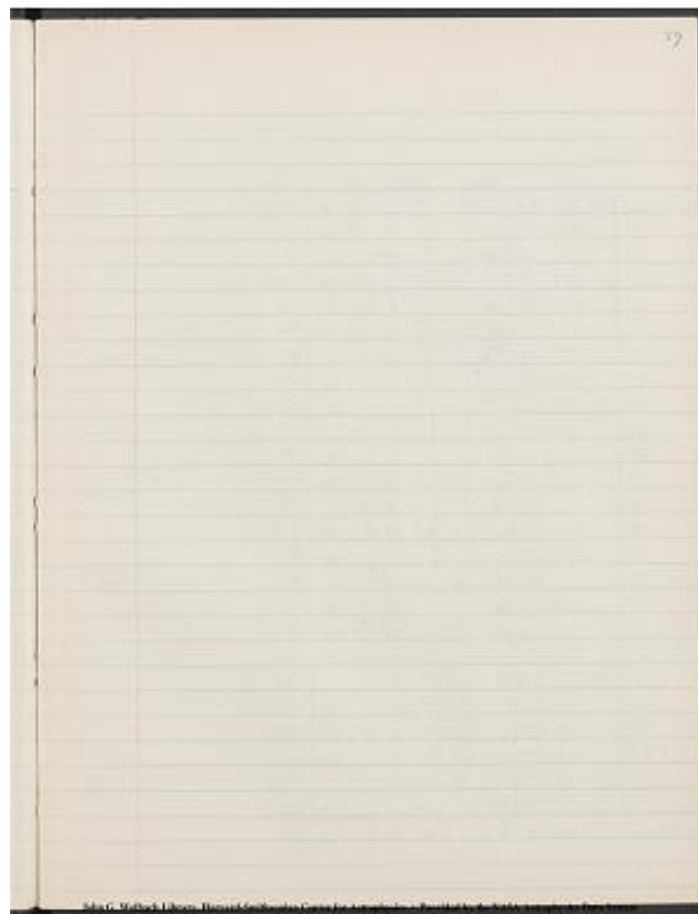
[[table]]
 | J.D|566| |566^[[c]]|1577|V1954 Sgr|
 MS5400|42196.765|b:| |A: m 266|F9|
 11|249.620|-| |A m 33|-|
 12|.678|b1|M |[[symbol-checkmark]]|?|A^[[+]] m|D7|
 13|.708|b2|?|?|A m|D2|
 24|251.638|b|m?|med|A m 35|F5|
 25|.674|b5|m?|br?|A,c m|F4|
 26|.714|a9| |br|A m|def*|
 31|252.641|b2| |?|A m 36|F3|
 32|.689|b|?m?|br:|A m|F3:|
 39|270.612|b5|m?|br:|A,c m 54|F2|
 44|271.624|b5:| |br|A m 55|E9|
 45|.651|b5|?|br|A,c? m|F0:|
 48|272.604|b8|m?|md?|A m 56|B4|
 49|.628|b8|m??|br:|A m|B8|
 50|.654|b8| |br|AC? m|B8|
 54|275.604|b3| |br:|A m |[[strikethrough]] 4
 |[[strikethrough]]5^[[5]]9|E5:|
 55|.632|b5| |br|A,c: m|E4|
 56|.658|b8| |br|AC m|E5:|
 59|276.592|b8|m??|br?|A m 60|F3|
 60|.617|b5| |?|A,c? m|F3:|
 61|.643|b3:| |A m|F7|
 72|280.638|-| ? |A 64|D0:|
 78|281.654|-| |A 65|-|
 92|306.517|b3|?|-|A m 90|F2|
 5500|307.519|b3| |A m 91|F8|
 [[/table]]
 *comparison star effected

	3.5	6.6	7.5	8.7	10.0	11.0
42196.765	42196.765	42196.765	42196.765	42196.765	42196.765	42196.765
11	249.620	249.620	249.620	249.620	249.620	249.620
12	.678	.678	.678	.678	.678	.678
13	.708	.708	.708	.708	.708	.708
24	251.638	251.638	251.638	251.638	251.638	251.638
25	.674	.674	.674	.674	.674	.674
26	.714	.714	.714	.714	.714	.714
31	252.641	252.641	252.641	252.641	252.641	252.641
32	.689	.689	.689	.689	.689	.689
39	270.612	270.612	270.612	270.612	270.612	270.612
44	271.624	271.624	271.624	271.624	271.624	271.624
45	.651	.651	.651	.651	.651	.651
48	272.604	272.604	272.604	272.604	272.604	272.604
49	.628	.628	.628	.628	.628	.628
50	.654	.654	.654	.654	.654	.654
54	275.604	275.604	275.604	275.604	275.604	275.604
55	.632	.632	.632	.632	.632	.632
56	.658	.658	.658	.658	.658	.658
59	276.592	276.592	276.592	276.592	276.592	276.592
60	.617	.617	.617	.617	.617	.617
61	.643	.643	.643	.643	.643	.643
72	280.638	280.638	280.638	280.638	280.638	280.638
78	281.654	281.654	281.654	281.654	281.654	281.654
92	306.517	306.517	306.517	306.517	306.517	306.517
5500	307.519	307.519	307.519	307.519	307.519	307.519

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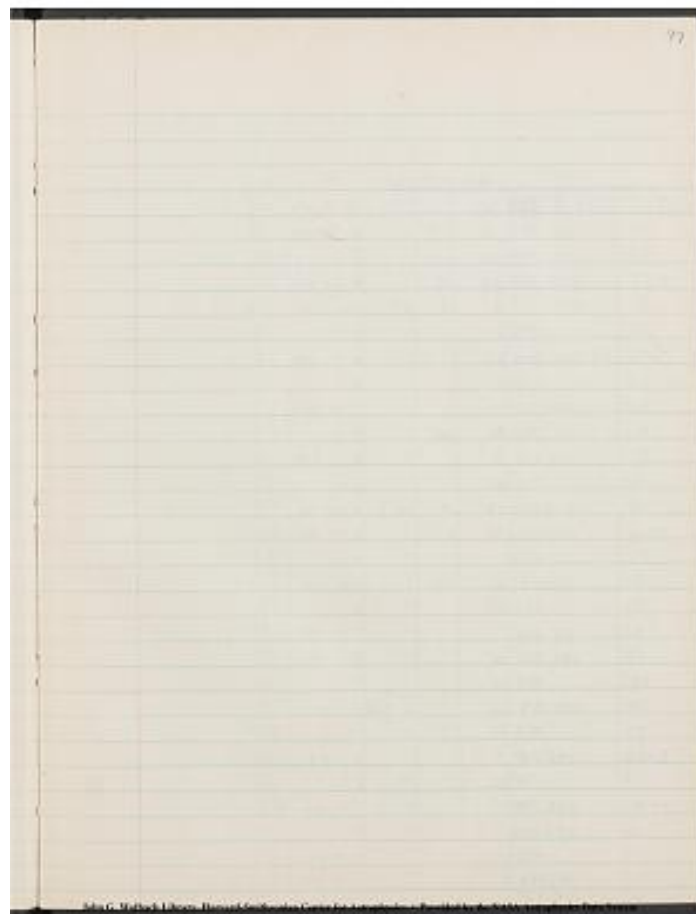
[[preprinted]]566[[/preprinted]]
[[table]]
| | 566| 566^[[c]]|1577|V1954 Sgr|
NA 5523|42325.517|-| |- m 169|F4::|
31|327.486|-| |- m+: 111|off|
32|507|b5| |-|A: m+:D6|
37|329.479|-| |- m+ 113|off|
51|542.769|[[strikethrough]]b5[[/strikethrough]]| |- m
40|FO::|[[margin]]1974[[/margin]]|
65|574.772|b5| |-|A m 74|B8|
73|595.685|^[[A]]b| ?|A: m 93|D5|
75|596.720|-| |- m 94|-|
83|623.636|-| |- m 121|off|
85|624.709|-| |- -|-|
89|634.605|-| |- med - 132|-|
56|13|653.541|b3:| |bn:|A(c) M- 151|F3|
14|581|b2| |-|A med+|F3|
39|661.550|b8|M |bn:|A M 159|B7|
45|665.515|-| |- M 163|F7:|
46|543|b5|M:|bn:|A M|F0|
83|684.496|b2| |-|A M+ 182|F4|
5722|933.731|b3|M?|-|A med- 145|A9|
26|934.719|-| |- m+ 146|B2|
27|746|b5|M?|[[symbol-check mark]]|-|A m+|B4|
44|965.751|-| |- m: 177|B6|
49|978.689|-|M|-|A M: 190|D0:|
69|992.624|c:|M:|bn:|A M+ 204|E7|
70|992.654|-|c|M:|bn|A(c): M+|F3|
^[[1]]|[[symbol-arrow to right]]| 84|43011.596|b5| ?|-|A M 223|F0|
^[[1]]|5775|008.605|b8| |bn|A: M 220|B6|
[[/table]]

The image shows a handwritten table with several columns. The first column contains numbers like 31, 32, 37, 51, 40, 65, 73, 75, 83, 85, 89, 56, 14, 39, 45, 46, 83, 5722, 26, 27, 44, 49, 69, 70, and then a series of numbers from 1 to 20. The second column contains numbers like 327.486, 507, 329.479, 542.769, 574.772, 595.685, 596.720, 623.636, 624.709, 634.605, 653.541, 581, 661.550, 665.515, 543, 684.496, 933.731, 934.719, 746, 965.751, 978.689, 992.624, 992.654, 43011.596, 5775, 008.605, and then a series of numbers from 1 to 20. The third column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The fourth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The fifth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The sixth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The seventh column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The eighth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The ninth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The tenth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The eleventh column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The twelfth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The thirteenth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The fourteenth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The fifteenth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The sixteenth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The seventeenth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The eighteenth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The nineteenth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200. The twentieth column contains numbers like 111, 113, 121, 132, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200.

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```

[[table]]
| | 566|B83|566^[[c]]|1577|v1954 Sgr|
NA 5785|43011.626|b2| -| A m+ 223|off|
5789|43015.594|b2|M::?|-| A m 227|C2::|
5790|43015.626|c:| -|? m|B8::|
5805|43044.532|b2|M|-|A m+ 254|D3|
5825|43047.519|b|M|ft?|A(bi)^[[m]]| 259|D7:|
5826|43047.549|b| -|A m M|D8:|
5872|43308.702|b2| -|A M 234|E8|
5873|43308.730|c:| -|A:M|F5|
5880|43314.713|-| -|- m+ 240|F2|
5881|43314.753|b2|def?|-|A M|F3|
5883|43318.721|b| -|A M 244|D2|
5884|43318.769|b5:| -|A M|B1|
5895|43339.682|b2|M|bn??|A mcd 265||F7|
5901|43340.632|b3|m?|-|A m+ 266|E3|
5902|43340.699|-| -|A m|E8|
5930|43375.599|b5|m?|A(b) 15|E3|
5931|43375.632|b5| ?|A(b)|F0:|
5962|43417.487|-| -| (b) 57|off|
5987|43689.715|b5| -|A (b) 43|D3|
5988|43689.750|b5| -|- (b)|off|
5992|43690.719|b5:| |double br. image palte|A(b) 44|D8|
5993|43690.752|b3| -|-| (b)|E0|
6002|43695.678|-| -|A (b) 49|off|
6003|43695.715|b3:| -|-|A (b)|off|
6010|43696.744|-| -|- m 50|E3:|
6016|43697.653|-| -|- -|-|
6017|43697.693|-| -|- m 51|F5|
6027|43703.744|c:| ?|? m 57|[[underlined]]F3[[/underlined]]|
6030|43719.578| | | | |
[[/table]]

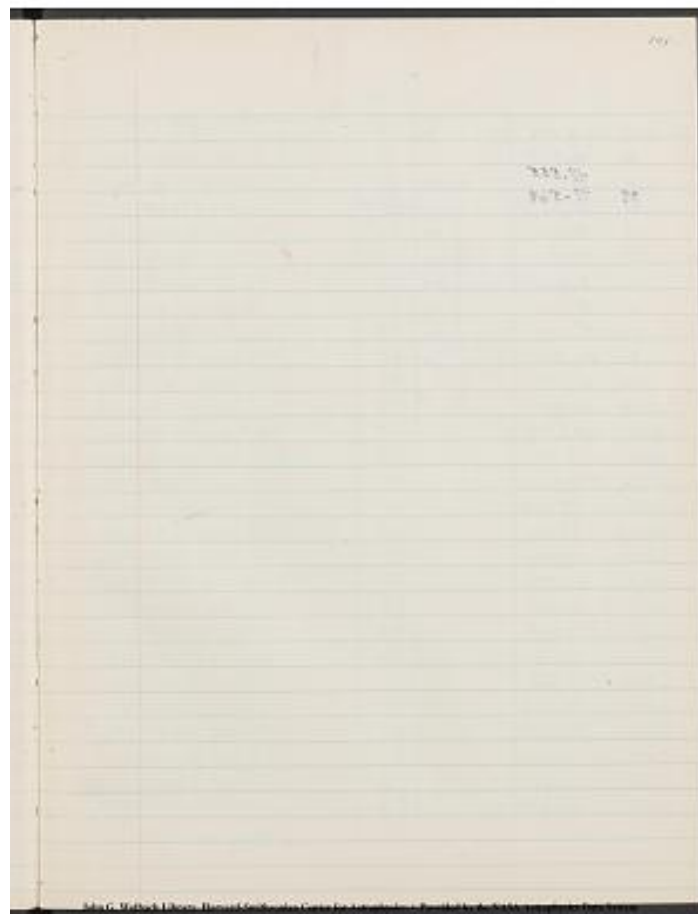
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Star Name	RA	Dec	Mag	Class	Notes
566	15 57 35	43 01 11.626	6.2	-	A m+ 223
5785	15 57 35	43 01 11.626	6.2	-	A m+ 223
5789	15 57 35	43 01 15.594	6.2	-	A m 227
5790	15 57 35	43 01 15.626	6.2	-	A m 227
5805	15 57 35	43 04 44.532	6.2	-	A m+ 254
5825	15 57 35	43 04 47.519	6.2	-	A m+ 254
5826	15 57 35	43 04 47.549	6.2	-	A m+ 254
5872	15 57 35	43 30 8.702	6.2	-	A m+ 254
5873	15 57 35	43 30 8.730	6.2	-	A m+ 254
5880	15 57 35	43 31 4.713	6.2	-	A m+ 254
5881	15 57 35	43 31 4.753	6.2	-	A m+ 254
5883	15 57 35	43 31 8.721	6.2	-	A m+ 254
5884	15 57 35	43 31 8.769	6.2	-	A m+ 254
5895	15 57 35	43 33 9.682	6.2	-	A m+ 254
5901	15 57 35	43 34 0.632	6.2	-	A m+ 254
5902	15 57 35	43 34 0.699	6.2	-	A m+ 254
5930	15 57 35	43 37 5.599	6.2	-	A m+ 254
5931	15 57 35	43 37 5.632	6.2	-	A m+ 254
5962	15 57 35	43 41 7.487	6.2	-	A m+ 254
5987	15 57 35	43 68 9.715	6.2	-	A m+ 254
5988	15 57 35	43 68 9.750	6.2	-	A m+ 254
5992	15 57 35	43 69 0.719	6.2	-	A m+ 254
5993	15 57 35	43 69 0.752	6.2	-	A m+ 254
6002	15 57 35	43 69 5.678	6.2	-	A m+ 254
6003	15 57 35	43 69 5.715	6.2	-	A m+ 254
6010	15 57 35	43 69 6.744	6.2	-	A m+ 254
6016	15 57 35	43 69 7.653	6.2	-	A m+ 254
6017	15 57 35	43 69 7.693	6.2	-	A m+ 254
6027	15 57 35	43 70 3.744	6.2	-	A m+ 254
6030	15 57 35	43 71 9.578	6.2	-	A m+ 254

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566	1577	V1954	Sqr
NA 6031	43719.593	- m 73	off
36	43.598	-	off
38	47.555	m 100	off
39	47.568	m	off
40	47.581	m 101	off
52	54.532	m 108	F3
53	54.557	m 108	F4
68	71.515	m 125	E7
70	75.541	m 129	B8
83	78.529	m 132	F4
92	81.500	m 135	B7
93	81.530	m	B9
6104	84.501	m 136	F8
6140	43995.772		F5
6145	6.817		A3
6156	44025.731		FO:
6174	45.674		B9
6176	45.761		B9
6180	50.651		F3
6182	50.730		F5
6184	50.782		F4
6188	51.689		B8
6189	51.716		D3
6196	74.658		-
6200	99.625		F2:
6202	102.579		B3
6208	3.561		D7
6210	.618		C7
6219	10.639		D3

NA	6031	43719.593	1577	1954	Sqr
36	43.598	-	off		
38	47.555	m 100	off		
39	47.568	m	off		
40	47.581	m 101	off		
52	54.532	m 108	F3		
53	54.557	m 108	F4		
68	71.515	m 125	E7		
70	75.541	m 129	B8		
83	78.529	m 132	F4		
92	81.500	m 135	B7		
93	81.530	m	B9		
6104	84.501	m 136	F8		
6140	43995.772		F5		
6145	6.817		A3		
6156	44025.731		FO:		
6174	45.674		B9		
6176	45.761		B9		
6180	50.651		F3		
6182	50.730		F5		
6184	50.782		F4		
6188	51.689		B8		
6189	51.716		D3		
6196	74.658		-		
6200	99.625		F2:		
6202	102.579		B3		
6208	3.561		D7		
6210	.618		C7		
6219	10.639		D3		

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[[table]]		
	JD	V1954 Sgr
NA 6239	44127.534	off
6244	44129.531	EO::
6253	44133.559	B8
6261	44134.535	D4
6269	44135.539	D3::
6270	44135.572	E4
6279	44136.556	F3
6282	44137.538	off
6303	44155.500	F2: [[margin]] 1980[[/margin]]
6346	44369.826	E4
6350	44370.766	-
6351	44370.815	E5::
6355	44382.733	-
6357	44382.802	-
6358	44383.814	-
6362	44396.695	F5
6366	44399.680	-
6367	44399.761	B9
6373	44402.690	F4::
6375	44402.767	F5
6376	44402.795	off
6381	44403.759	D3
6387	44407.695	F2
*6388	44407.728	E9
6393	44408.752	F2
6394	44408.780	FO::
[[/table]]		

*Sct-Sgr Overlay
(Con't. on pg. III)

	JD	V1954 Sgr
NA 6239	44127.534	off
6244	44129.531	EO::
6253	44133.559	B8
6261	44134.535	D4
6269	44135.539	D3::
6270	44135.572	E4
6279	44136.556	F3
6282	44137.538	off
6303	44155.500	F2: [[margin]] 1980[[/margin]]
6346	44369.826	E4
6350	44370.766	-
6351	44370.815	E5::
6355	44382.733	-
6357	44382.802	-
6358	44383.814	-
6362	44396.695	F5
6366	44399.680	-
6367	44399.761	B9
6373	44402.690	F4::
6375	44402.767	F5
6376	44402.795	off
6381	44403.759	D3
6387	44407.695	F2
*6388	44407.728	E9
6393	44408.752	F2
6394	44408.780	FO::

*Sct-Sgr Overlay
(Con't. on pg. III)

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Selected plates, either good or with star vis.
St. 557

NA421	a5	22611
1462	a3	27006
2511	k5	29427
2515	a2	432
2581	c8	463
2831	a5	29825
2976	c5	900
2977	d	900
3458	c1	33751
3461	b5	33751
3464	b5	772
3467	a8	772
3474	d	861
3520	a9	34213
3547	a9	564
3549	a7	566
3550	a8	566
3573	d	631
3647	k8	35754
5235	d	41593
5743	a0	42965
5780	d	43010
5782	c0+	010
5821	d	046
5948	a9	42978

104

selected plates, either good or with star vis.

557

NA	721	a5	22611
	1462	a3	27006
	2511	k5	29427
	2515	a2	432
	2581	c8	463
	2831	a5	29825
	2976	c5	900
	2977	d	900
	3458	c1	33751
	3461	b5	33751
	3464	b5	772
	3467	a8	772
	3474	d	861
	3520	a9	34213
	3547	a9	564
	3549	a7	566
	3550	a8	566
	3573	d	631
	3647	k8	35754
	5235	d	41593
	5743	a0	42965
	5780	d	43010
	5782	c0+	010
	5821	d	046
	5948	a9	42978

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[[table]]
 1366[d]26889|
 1368[d]891|
 1656[d]27637|
 1688[d]657|
 1692[d]658|
 1708[b]667|
 1718[b]679|
 1722[a]680|
 1733[d]682|
 1740[c]692|
 1862[d]28012|
 2438[b]29133|
 2439[b]29133|
 40[d]29133|
 43[a]29135|
 44[-]|
 47[d]29136|
 58[-]|
 59[c]29144|
 2550[c+]-29451|
 1810[d]27977|
 1825[.]980|
 1858[cd]28011|
 1869[c]014|
 2010[d]28345|
 2021[d]360|
 2024[b]365|
 2071[[d]431|
 2096[c3]674|
 [[/table]]

1366	Ld	26889
1368	Ld	891
1656	Ld	27637
1688	Ld	657
1692	Ld	658
1708	Ld	667
1718	Ld	679
1722	Ld	680
1733	Ld	682
1740	Ld	692
1862	Ld	28012
2438	Ld	29133
2439	Ld	29133
40	Ld	29133
43	Ld	29135
44	Ld	-
47	Ld	29136
58	Ld	-
59	Ld	29144
2550	Ld	29451
1810	Ld	27977
1825	Ld	980
1858	Ld	28011
1869	Ld	014
2010	Ld	28345
2021	Ld	360
2024	Ld	365
2071	Ld	431
2096	Ld	674
1366	Ld	26889
1368	Ld	891
1656	Ld	27637
1688	Ld	657
1692	Ld	658
1708	Ld	667
1718	Ld	679
1722	Ld	680
1733	Ld	682
1740	Ld	692
1862	Ld	28012
2438	Ld	29133
2439	Ld	29133
40	Ld	29133
43	Ld	29135
44	Ld	-
47	Ld	29136
58	Ld	-
59	Ld	29144
2550	Ld	29451
1810	Ld	27977
1825	Ld	980
1858	Ld	28011
1869	Ld	014
2010	Ld	28345
2021	Ld	360
2024	Ld	365
2071	Ld	431
2096	Ld	674

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[[table]]
 2108[d]28700|
 2119[d]717|
 2409[c]29087|
 10[b]29087|
 17-|-|
 24[b]29113|
 25[a]29113|
 26-|-|
 32[b]29130|
 33[d]29130|
 2556[a]29456|
 58c+-|29456|
 97[c]481|
 99[d]481|
 2612-|-|
 17[c]29487|
 18[b]29487|
 20[d]488|
 21[d?]488|
 31[c]491|
 32[c]491|
 36[c]492|
 39[b]493|
 62[b]512|
 88[d]518|
 93[b]521|
 98[d]522|
 [[/table]]

2408 Ea	28900
2409 Ea	287
2409 Ea	29087
10 Ea	-
17 -	-
24 Ea	29113
25 Ea	-
26 -	-
32 Ea	29130
33 Ea	-
2556 Ea	-
58 Ea	29456
97 Ea	-
99 Ea	-
2612 -	-
17 Ea	29487
18 Ea	-
20 Ea	488
21 Ea	-
31 Ea	-
32 Ea	-
36 Ea	-
39 Ea	-
62 Ea	-
88 Ea	-
93 Ea	-
98 Ea	-

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[[table]]
 2881|C5:|29851|
 2968|e|896|
 5141|c|41508|
 5213|e|572|
 5827|e|43047|
 5721|k8|42933|
 25|k3|54|
 35|a3|56|
 37|a3|62|
 38|a2|62|
 39|k8|62|
 40|a|62|
 41|a2|62|
 45|a?|65|
 52|a|82|
 57|a5|85|
 58|a9|85|
 59|b3|85|
 61|b|86|
 63|b?|86|
 71|b93|92|
 72|a|92|
 78|c|43009|
 79|-|9|
 81|d|10|
 83|c|10|
 57 86|-|11|
 [[/table]]

2881	C5:	29851
2968	e	896
5141	c	41508
5213	e	572
5827	e	43047
5721	k8	42933
25	k3	54
35	a3	56
37	a3	62
38	a2	62
39	k8	62
40	a	62
41	a2	62
45	a?	65
52	a	82
57	a5	85
58	a9	85
59	b3	85
61	b	86
63	b?	86
71	b93	92
72	a	92
78	c	43009
79	-	9
81	d	10
83	c	10
57 86	-	11

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[[table]]
 5787|-43011|
 91|[c]15|
 99|[c]41|
 5806|[d]44|
 14|[d]45|
 15|[d]45|
 3570|[c]34630|
 3382|[d]33434|
 5762|a8|42986|
 6015|b6|43697|
 5821|[d]43046|
 [[/table]]

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5787	-	43011
91	Fe	15
99	Fe	41
5806	Ed	44
14	Ed	45
15	Ed	45
3570	Ed	34630
3382	Ed	33434
5762	a8	42986
6015	b6	43697
5821	Ed	43046

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Approx mag - Plates not good for purpose

SA134	NA6015	5827	5213	421	5235
12.4	4.8	5.3	5.3	5.5	5.3
13.3 [^] [0.9]	6.5 [^] [1.7]	7.5 [^] [2.2]	6.3 [^] [1.0]	6.2 [^] [0.7]	6.2 [^] [0.9]
K	5.5	5.5	5.5	5.5	5.8
a	6.0	6.0	6.5	5.9	6.2
		poor			AV
K	12.8	12.5	12.6	12.4	12.9
a	13.0	12.7	13.5	12.9	13.1 [^] [0.5]

mag at max ~ K7 [symbol-approx. equal sign] 13.0

Approx mag - Plates not good for purpose

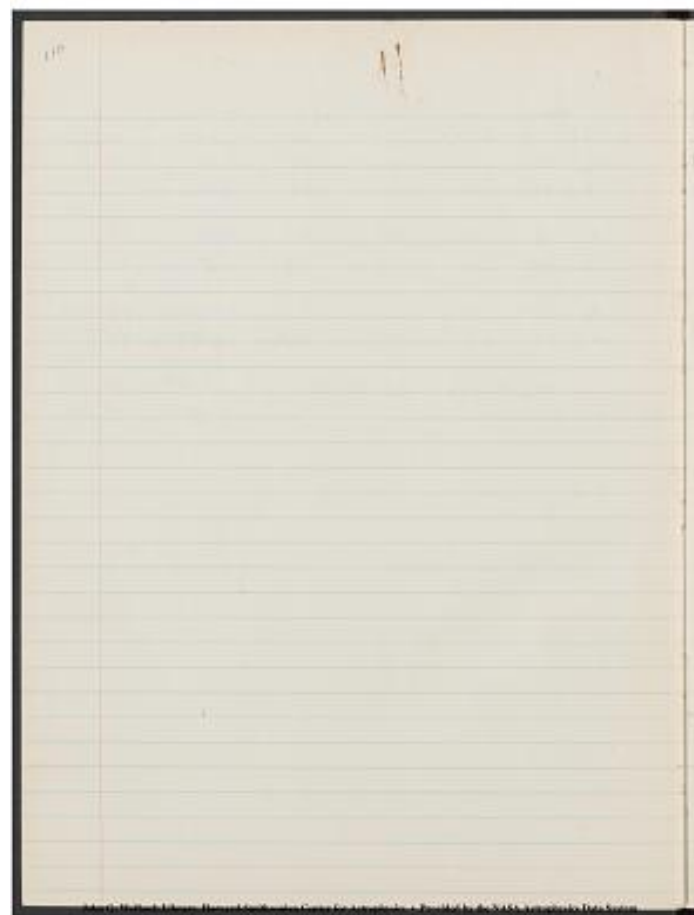
SA134	NA6015	5827	5213	421	5235
12.4	4.8	5.3	5.3	5.5	5.3
13.3 [^] [0.9]	6.5 [^] [1.7]	7.5 [^] [2.2]	6.3 [^] [1.0]	6.2 [^] [0.7]	6.2 [^] [0.9]
K	5.5	5.5	5.5	5.5	5.8
a	6.0	6.0	6.5	5.9	6.2
		poor			AV
K	12.8	12.5	12.6	12.4	12.9
a	13.0	12.7	13.5	12.9	13.1 [^] [0.5]

mag at max ~ K7 ~ 13.0

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6402	44427.672	F8:
6404	44428.644	C3:
6405	678	B7
6408	780	off
6427	39.580	F4:
6429	606	F3
6432	693	F2
6436	52.555	E9
6440	59.682	B4
6444	61.601	B9
6457	67.577	B8
6458	69.543	off
6459	567	EO:
6460	594	F3
6462	645	off
6467	86.515	C2
6523	93.572	E5
6541	510.503	B3:
6542	539	B2:
6543	512.501	-
6565	524.490	B8
6569	525.506	F5::
6603	732.834	B3
6608	733.756	C2

Plate	JD	Filter
6400	44425.688	D6
6402	44427.672	F8:
6404	44428.644	C3:
6405	678	B7
6408	780	off
6427	39.580	F4:
6429	606	F3
6432	693	F2
6436	52.555	E9
6440	59.682	B4
6444	61.601	B9
6457	67.577	B8
6458	69.543	off
6459	567	EO:
6460	594	F3
6462	645	off
6467	86.515	C2
6523	93.572	E5
6541	510.503	B3:
6542	539	B2:
6543	512.501	-
6565	524.490	B8
6569	525.506	F5::
6603	732.834	B3
6608	733.756	C2

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[[table]]
 PlateJD|V1954 Sgr|
 NA 6610|44733.816|D4|
 6619|57.789|B9|
 6620|.816|B9:|
 6625|63.755|B8|
 6635|82.727|CO|
 6649|85.731|F3|
 6650|.759|F7|
 6655|93.707|BO::|
 6664|96.749|E8|
 6669|809.622|E7|
 6677|11.636|D3:|
 6678|.678|C8|
 6679|13.618|B7|
 6682|.712|B8|
 6687|16.629|F4|
 6689|.695|F5|
 6695|17.606|F8|
 6697|.660|D4|
 6706|18.621|A8|
 6708|.683|B6|
 6715|19.639|B9:|
 6723|37.589|B4|
 6726|38.597|C5|
 6727|.627|D8|
 6729|40.589|off|
 [[/table]]

MJD	JD	Mag
6610	44733.816	D4
6619	57.789	B9
6620	.816	B9:
6625	63.755	B8
6635	82.727	CO
6649	85.731	F3
6650	.759	F7
6655	93.707	BO::
6664	96.749	E8
6669	809.622	E7
6677	11.636	D3:
6678	.678	C8
6679	13.618	B7
6682	.712	B8
6687	16.629	F4
6689	.695	F5
6695	17.606	F8
6697	.660	D4
6706	18.621	A8
6708	.683	B6
6715	19.639	B9:
6723	37.589	B4
6726	38.597	C5
6727	.627	D8
6729	40.589	off

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43995.772}
 }79-80
 44512.501}

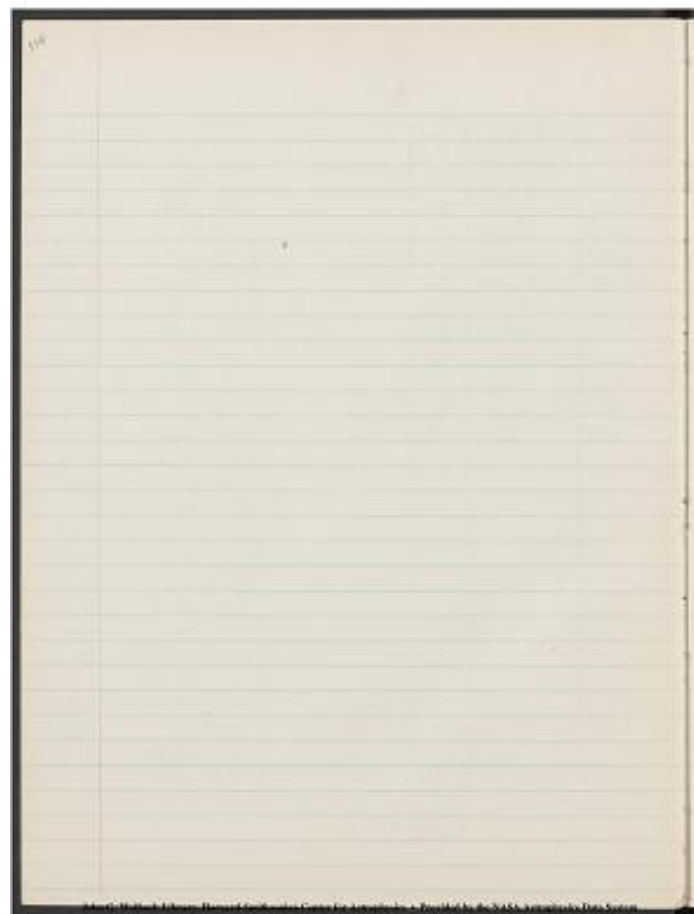
[[table]]
Plate	JD	V1954 Sgr
NA 6738	44845.539	E2
6739	.565	D5
6740	.584	D5
6755	69.553	B9
6761	73.576	—
6787	77.524	F0
—	1982	
6829	45078.820	B3
6844	84.838	B1
6864	45107.771	F3
6865	.806	off
6879	45144.688	F2
6881	.741	F4
 [[/table]]

Plate	ID	Filter
6738	44845.539	E2
6739	.565	D5
6740	.584	D5
6755	69.553	B9
6761	73.576	—
6787	77.524	F0
6829	45078.820	B3
6844	84.838	B1
6864	45107.771	F3
6865	.806	off
6879	45144.688	F2
6881	.741	F4

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V1954Sgr

Fly-sparking Test for magnitudes:

Stars in the comparison sequence were compared to stars in M23, an open cluster of which photometric magnitudes were known. The magnitudes and finder chart for these stars was obtained from Publications of the U.S. Naval Observatory, Second Series, Vol. XVII - Part VII, p.428. Estimates were taken from 4 plates.

[[table]]				
NA 6907^[[103a0]] NA 6908^[[11a0]] NA 6912 NA				
6913^[[m=0.365]] Magnitudes				
2 0 0 0 0 0 8.95				
3 0 0 0 0 0 9.78				
9 0.7 ~0.2 0 0 10.09				
11 1.3 b1 0 0 10.41				
13 2.8 1.0 0 ~0.4 0 10.60				
15 3.8 1.4 0 ~0.2 0 ~0.2 10.81				
17 4.1 1.9 n1 ~0.5 b1 ~0.0 10.91				
22 5.0 2.4 1.2 b1 ~0.3 11.21				
23 5.3 b1 2.1 0.9 11.29				
25 6.0 5.1 3.0 [[symbol - checkmark]] 1.5 11.57				
26 6.2 5.4 2.5 1.8 11.61				
27 6.2 5.2 3.4 3.0 11.59				
28 6.4 5.8 4.0 2.4 11.78				
29 7.8 7.1 5.4 4.2 4.2 12.52				
31 8.5 8.2 6.0 5.7 12.80				
32 9.0 8.9 7.2 7.0 13.27				
33 9.8 9.7 8.2 7.8 13.50				
35 ~9.1 8.9 [[underlined]]14.54 [[underlined]] mean mag.				
A 5.9 6.5 1.3 0.0				
B 6.7 6.8 3.4 2.9				
C 7.8 7.2 4.8 4.9				
D 8.2 7.3 5.3 5.3				
E 8.5 7.6 5.8 5.5				
F 9.0 8.1 6.2 6.3				
G 9.5 8.8 6.7 7.3				
[[/table]]				

V1954Sgr

Fly-sparking Test for magnitudes:

Stars in the comparison sequence were compared to stars in M23, an open cluster of which photometric magnitudes were known. The magnitudes and finder chart for these stars was obtained from Publications of the U.S. Naval Observatory, Second Series, Vol. XVII - Part VII, p.428. Estimates were taken from 4 plates.

Star	NA 6907	NA 6908	NA 6912	NA 6913	Remarks
2	3.0	3.0	3.0	3.0	8.95
3	3.0	3.0	3.0	3.0	9.78
9	0.7	~0.2	3.0	3.0	10.09
11	1.3	b1	3.0	3.0	10.41
13	2.8	1.0	3.0 ~ 0.4	3.0	10.60
15	3.8	1.4	3.0 ~ 0.2	3.0	10.81
17	4.1	1.9	b1 ~ 0.5	b1 ~ 0.0	10.91
22	5.0	2.4	1.2	b1 ~ 0.3	11.21
23	5.3	b1	2.1	0.9	11.29
25	6.0	5.1	3.0	[[symbol - checkmark]] 1.5	11.57
26	6.2	5.4	2.5	1.8	11.61
27	6.2	5.2	3.4	3.0	11.59
28	6.4	5.8	4.0	2.4	11.78
29	7.8	7.1	5.4	4.2	12.52
31	8.5	8.2	6.0	5.7	12.80
32	9.0	8.9	7.2	7.0	13.27
33	9.8	9.7	8.2	7.8	13.50
35	~9.1	8.9	[[underlined]] 14.54	[[underlined]] mean mag.	
A	5.9	6.5	1.3	0.0	
B	6.7	6.8	3.4	2.9	
C	7.8	7.2	4.8	4.9	
D	8.2	7.3	5.3	5.3	
E	8.5	7.6	5.8	5.5	
F	9.0	8.1	6.2	6.3	
G	9.5	8.8	6.7	7.3	

Magnitudes from the comparison sequence are given in parentheses.

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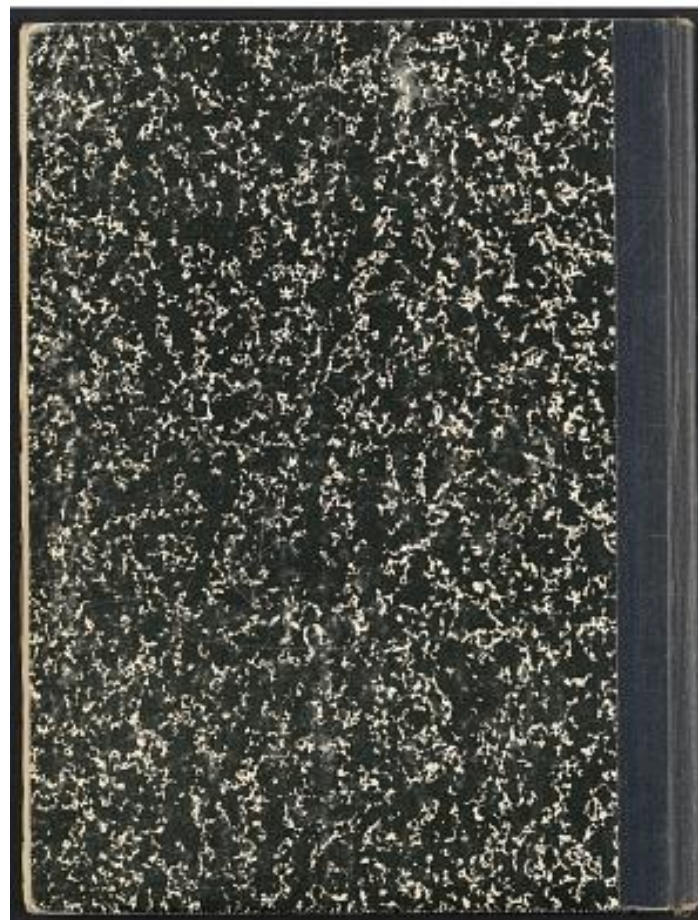
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