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Project PHaEDRA - Annie Jump Cannon 54

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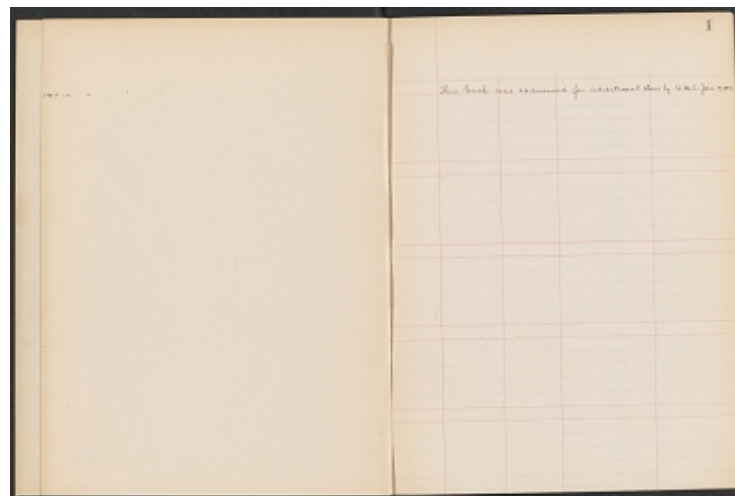
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This book was examined for additional stars by A. M. C. Jan. 4, 1917



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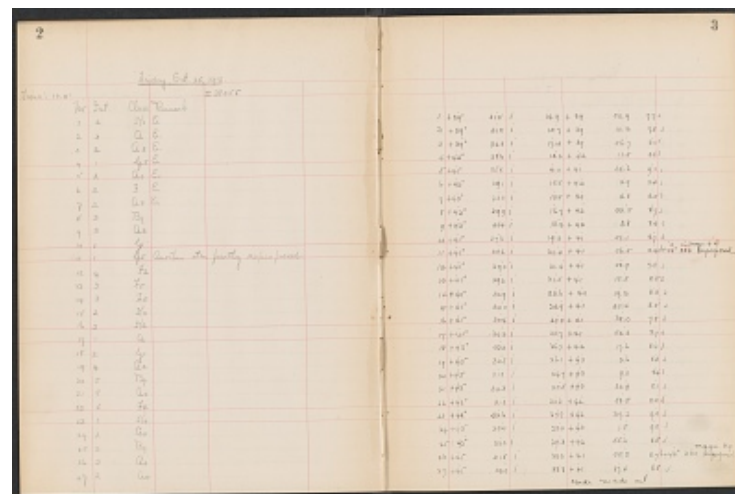
2
Friday, Oct. 25, 1912
138055
Time: 10:01

[[4 column table]]

No.	Int.	Class	Remark
1	2	K0	E.
2	3	A	E.
3	2	A3	E.
4	1	G5	E.
5	2	A0	E.
6	2	F	E.
7	2	A3	E.
8	3	B9	
9	3	A3	
10	1	G	
11	1	G5	? star partly super posed
12	4	F2	
13	3	F5	
14	3	F5	
15	2	K0	
16	3	K2	
17	1	A	
18	2	G	
19	4	A2	
20	5	B9	
21	5	A0	
22	5	F2	
23	1	K0	
24	2	A0	
25	3	B9	
26	3	A0	
27	2	A0	

3
[[5 column table]]

1	+39° 315	1 14.9	+39 50.9	7.7
2	+39° 318	1 15.7	+39 10.2	7.8
3	+39° 328	1 17.4	+39 56.7	8.0
4	+42° 286	1 13.0	+42 11.5	8.8
5	+41° 258	1 14.0	+41 34.6	9.0
6	+42° 291	1 15.5	+42 2.9	8.4
7	+43° 283	1 15.5	+43 4.8	8.5
8	+42° 299	1 16.7	+42 32.5	8.7
9	+42° 304	1 18.2	+42 3.8	8.4
10	+41° 276	1 19.3	+41 51.1	8.7
11	+41° 286	1 20.4	+41 56.5	8.4 +42° 309 Magn. 9. Superposed
12	+41° 290	1 21.4	+41 52.9	7.8
13	+41° 292	1 21.5	+41 15.5	8.5
14	+41° 309	1 23.6	+40 19.2	8.3
15	+41° 300	1 24.9	+41 35.4	8.5
16	+41° 304	1 25.8	+41 38.0	7.8
17	+41° 303	1 25.7	+41 50.3	8.7
18	+42° 323	1 26.7	+42 17.6	8.4
19	+43° 325	1 26.1	+43 2.6	8.4
20	+43° 318	1 24.7	+43 9.0	8.4
21	+43° 323	1 25.5	+43 20.4	8.1
22	+42° 313	1 22.6	+42 52.5	8.0



23	+42°	326	1	27.7	+42	37.2	9.0
24	+43°	332	1	28.2	+43	1.5	9.0
25	+42°	333	1	29.3	+42	55.6	8.5
26	+41°	315	1	28.3	+41	55.0	8.7 +42° 330 Magn. 8.9 Superposed
27	+41°	330	1	33.8	+41	27.4	8.5

cards made out

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4

Friday, Oct. 25, 1912.

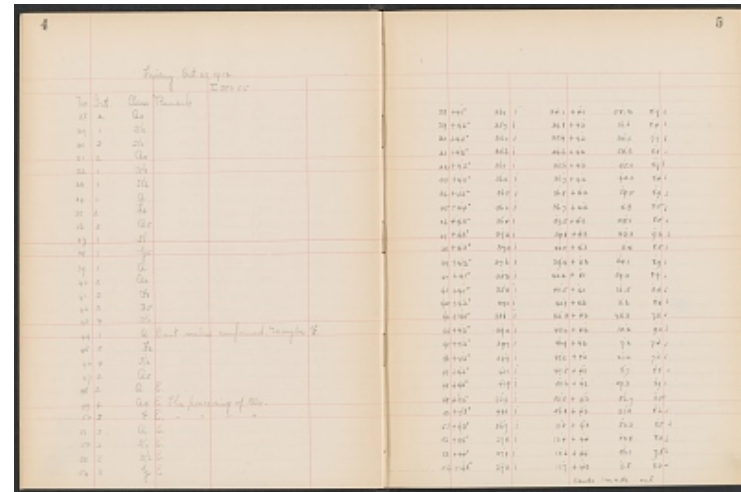
I38055

No. | Int. | Class | Remark |

28	2	A0	
29	1	K0	
30	3	K0	
31	2	A0	
32	1	K0	
33	1	K2	
34	1	A	
35	2	F2	
36	3	A5	
37	1	K	
38	1	G5	
39	1	A	
40	2	A0	
41	2	F0	
42	2	F5	
43	4	K0	
44	1	A	Omit miles [[?]] confirmed. Maybe F.
45	5	F2	
46	4	K2	
47	2	A5	
48	2	A	E.
49	4	A2	E. The preceding of two.
50	3	F	E. The preceding of two.
51	3	A	E.
52	3	K0	E.
53	3	K2	E.
54	2	G	E.

5

28	+41°	331	1	34.1	+41	58.2	8.7
29	+42°	357	1	34.8	+42	16.6	8.4
30	+42°	360	1	35.4	+42	30.4	7.7
31	+42°	356	1	34.6	+42	58.6	8.8
32	+42°	361	1	35.6	+42	55.0	8.7
33	+42°	364	1	36.7	+42	43.0	8.4
34	+42°	365	1	36.8	+42	59.5	8.9
35	+44°	360	1	36.7	+44	4.9	8.5
36	+43°	364	1	37.5	+43	55.1	8.5
37	+43°	372	1	39.8	+43	42.3	9.0
38	+43°	373	1	40.5	+43	0.4	8.5
39	+42°	376	1	39.4	+42	34.1	8.9
40	+41°	352	1	40.2	+41	59.0	8.9
41	+41°	353	1	40.5	+41	16.5	8.4
42	+42°	390	1	42.7	+42	3.2	8.4
43	+42°	388	1	42.3	+42	48.3	7.8
44	+42°	394	1	45.0	+42	13.2	9.0
45	+42°	397	1	46.9	+42	7.2	7.4
46	+42°	399	1	47.2	+42	21.2	7.5
47	+42°	401	1	47.5	+42	8.7	8.8
48	+42°	419	1	50.6	+42	59.3	8.9
49	+42°	424	1	52.5	+42	56.7	8.5
50	+43°	420	1	56.3	+43	31.8	8.6
51	+43°	267	1	10.8	+43	50.3	8.5
52	+44°	278	1	10.4	+44	53.4	8.0



53		+44°		279		1		10.6		+44		56.1		7.5	
54		+43°		273		1		11.7		+43		11.5		8.0	

cards made out

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Friday, Oct. 25, 1912.

138055

[[4 columned table]]

[No. | Int. | Class | Remark]

----|----|----|----
 55|1|K|E.|
 56|2|A|2|
 57|2|~~A~~|~~5~~|
 58|1|A|
 59|2|A|2|
 60|2|F|5|
 61|3|K|2|
 62|2|A|3|
 63|1|G|5|
 64|2|F|8|
 65|4|A|0|
 66|4|B|9|
 67|3|F|0|
 68|1|K|
 69|2|A|2|
 70|1|A|
 71|2|A|
 72|1|F|
 73|4|A|0|
 74|2|G|0|
 75|2|G|Another star partly superposed? yes|
 76|1|K|
 77|2|G|Another star partly superposed? yes|
 78|1|A|
 79|2|K|0|
 80|1|K|
 81|4|B|9|
 [[/4 columned table]]

7

[[9 columned table]]

55|+43°|281|115.4|+43|48.5|8.5|
 56|+43°|28|~~7~~|~~7~~|16.8|+43|~~28~~|
 18.1|~~25.3~~|8.9|~~43°~~ 286 magu 8.9
 superposed|~~28~~|
 57|+43°|294|1|17.9|+43|35.4|8.6|
 58|+44°|306|1|18.7|+44|19.9|9.0|
 59|+43°|300|1|19.4|+43|46.0|8.6|
 60|+44°|311|1|20.0|+44|22.4|8.5|
 61|+44°|312|1|20.1|+44|51.9|8.3|
 62|+45°|359|1|21.2|+45|1.7|8.7|
 63|+44°|315|1|20.8|+44|6.2|8.8|
 64|+43°|305|1|20.4|+43|31.8|8.8|
 65|+45°|365|1|23.2|+45|39.4|8.3|
 66|+45°|376|1|25.3|+45|13.9|8.5|
 67|+44°|326|1|26.0|+44|50.5|8.5|
 68|+45°|380|1|25.9|+45|19.0|8.5|
 69|+45°|383|1|26.6|+45|4.8|8.8|
 70|+45°|388|1|27.5|+45|11.4|8.9|
 71|+45°|387|1|27.4|+45|36.6|9.0|
 72|+45°|394|1|28.7|+45|12.9|8.9|
 73|+45°|396|1|29.3|+45|15.7|8.3|

74|+45°|398|1|29.7|+45|40.9|8.2||
75|+44°|328|1|26.7|+44|13.2|8.5||+44° 329 magu 8.4 superposed
76|+43°|336|1|29.3|+43|46.7|8.8||
original ident. correct
a.f.c.|77|+44°|33.|[~~strikethrough~~]|8|[~~strikethrough~~]|9|[~~strikethrough~~]|1|29.7|+44|[~~strikethrough~~]|8.6|[~~strikethrough~~]|10.2|[~~strikethrough~~]|9.2|[~~strikethrough~~]|8.8|[~~strikethrough~~]|+44°
|[~~strikethrough~~]|33|[~~strikethrough~~]|9|[~~strikethrough~~]|8 magu
|[~~strikethrough~~]|8.8|[~~strikethrough~~]|9.2 superposed|[~~strikethrough~~]|
78|+44°|342|1|30.1|+44|25.5|9.2||
79|+44°|347|1|32.1|+44|16.4|8.5||
80|+45°|352|1|33.1|+44|50.7|9.0||
81|+45°|416|1|32.7|+45|40.2|8.3||
[9 columned table]
cards made out

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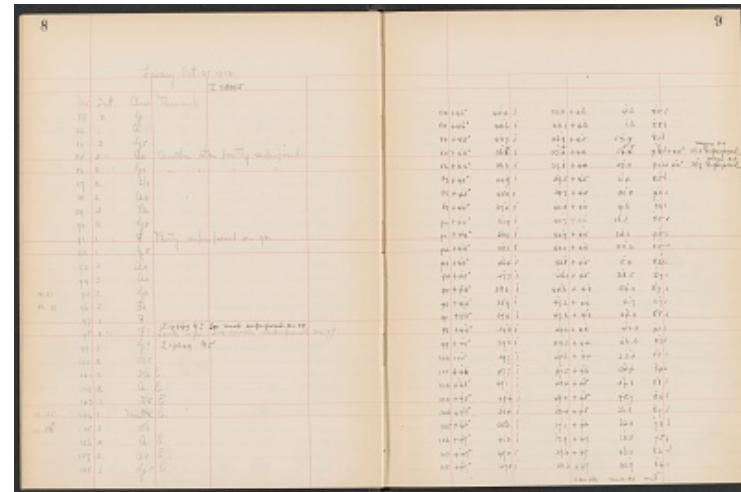
Friday, Oct. 25, 1912.

I38055

No. | Int. | Class | Remark

82 | 2 | G |
 83 | 1 | A |
 84 | 3 | G5 |
 85 | 3 | A0 | Another star partly superposed. |
 86 | 2 | G0 | " " | " " |
 87 | 2 | K0 |
 88 | 2 | A3 |
 89 | 3 | F2 |
 90 | 2 | G5 |
 91 | 1 | F | Partly superposed on 92. |
 92 | 1 | G5 |
 93 | 3 | A0 |
 94 | 3 | A0 |
 10.21 95 | 2 | G0 |
 10.31 96 | 2 | F2 |
 97 | 1 | F |
 98 | 1 | F? | ^[[19649 G? Too much superposed on 99.]] Look up. Too much superposed on 99. |
 99 | 1 | G? | 119649 G5 |
 100 | 2 | K5 |
 101 | 2 | K2 | E. |
 102 | 2 | A | E. |
 103 | 1 | K5 | E. |
 10.35 104 | 1 | Ma | ~~[[strikethrough]] K5~~ | E. |
 10.52 ~~[[strikethrough]] .0~~ | ~~[[strikethrough]] 105~~ | 3 | K0 | |
 106 | 2 | A | E. |
 107 | 2 | A5 | E. |
 108 | 2 | G5 | E. |

82 | +46° 424 | 1 32.8 | +46 4.6 8.5 |
 83 | +46° 426 | 1 33.1 | +46 1.6 8.8 |
 84 | +45° 437 | 1 36.9 | +45 57.9 8.1 |
 85 | +44° 364 | ~~[[strikethrough]] 2~~ | ~~[[strikethrough]] 1~~ 37.2 |
~~[[strikethrough]] .1~~ | ~~[[strikethrough]] +44 55.8~~ | 51.0 |
~~[[strikethrough]] 9.0~~ | ~~[[strikethrough]] .3~~ | ~~[[strikethrough]]~~ |
~~[[strikethrough]] +44° 363~~ | ~~[[strikethrough]] ^[[magn. 9.0]] superposed~~ |
 86 | +44° 366 | 1 37.8 | +44 57.8 9.1 |
~~[[strikethrough]] +44° 367~~ | ~~[[strikethrough]] ^[[magn. 8.8]] superposed~~ |
 87 | +45° 449 | 1 39.5 | +45 11.4 8.5 |
 88 | +45° 450 | 1 39.7 | +45 30.8 9.0 |
 89 | +44° 374 | 1 40.3 | +44 19.6 8.6 |
 90 | +44° 379 | 1 42.7 | +44 16.1 8.5 |
 91 | +44° 380 | 1 42.9 | +44 24.1 9.5 |
 92 | +44° 381 | 1 43.0 | +44 33.2 8.5 |
 93 | +45° 464 | 1 42.8 | +45 5.4 8.2 |
 94 | +45° 477 | 1 46.1 | +45 28.5 8.7 |
 95 | +43° 386 | 1 44.6 | +43 54.0 8.7 |
 96 | +44° 389 | 1 47.2 | +44 4.7 8.7 |
 97 | +43° 394 | 1 47.2 | +43 24.0 8.8 |
 98 | +44° 394 | 1 49.2 | +44 43.8 9.1 |
 99 | +44° 393 | 1 49.1 | +44 46.6 8.3 |
 100 | +44° 397 | 1 49.6 | +44 23.4 8.0 |
 101 | +46° 477 | 1 47.5 | +46 34.4 8.4 |



102	+45° 491	1 48.4	+45 36.8 8.8	[[symbol-check]]
103	+45° 494	1 49.0	+45 45.7 8.6	[[symbol-check]]
104	+45° 504	1 50.4	+45 26.3 8.7	[[symbol-check]]
105	+46° 352	1 17.1	+46 22.0 7.3	[[symbol-check]]
106	+47° 410	1 17.9	+47 13.5 7.5	[[symbol-check]]
107	+47° 470	1 29.6	+47 22.0 8.2	[[symbol-check]]
108	+47° 475	1 30.6	+47 30.9 8.4	[[symbol-check]]

cards made out

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10

Friday, Oct. 25, 1912.

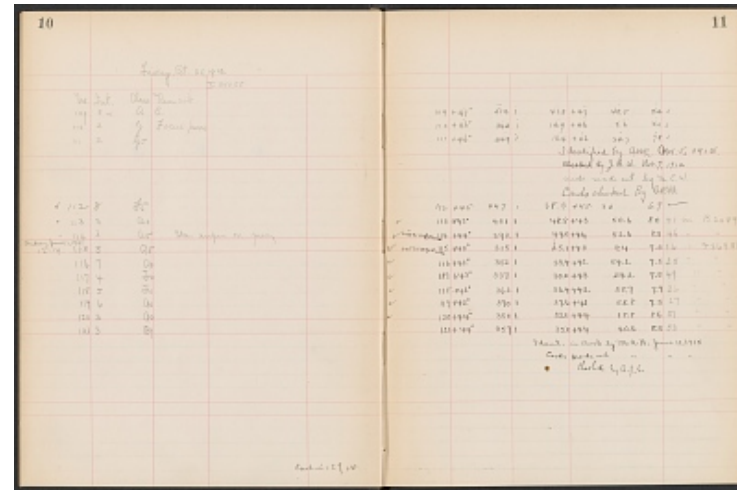
No.	Int.	Class	Remarks
109	3	A	E.
110	2	G	Focus poor.
111	2	G5	

112	8	F5	
113	3	A0	
114	3	A5	Stan [?]. on prec.
[Friday, June 11, 1915 12:14]^115 5 A5			
116	7	A0	
117	4	F0	
118	5	F0	
119	6	A0	
120	3	A0	
121	3	B9	

[?] 129, 110-

11

109 | +47° 512 | 1 41.3 | +47 48.5 8.4 | [[symbol-check]]
 110 | +46° 342 | 1 14.9 | +46 8.2 8.0 | [[symbol-check]]
 111 | +46° 349 | 1 16.4 | +46 24.7 7.8 | [[symbol-check]]
 Identified by AMC [[strikethrough]]Oct[[strikethrough]]Nov. 5, 1912.
 checked by J.B.W. Nov[?]. 7, 1912
 cards made out by M.C.W.
 Cards checked by GRB.
 112 | +45 447 | 1 38.9 | +45 30 6.9 | [[symbol-check]]
 [[symbol-check]] 113 | +43° 401 | 1 48.8 | +43 50.6 8.0 | 41 on B2089
 [[symbol-check]]^[[+44391 [?], on [?].]]144 | +44° 392 | 1 49.0 | +44 52.6
 8.3 | 46 " "
 [[symbol-check]]^[[40°317 [?]sup. at north[?].]]115 | +40° 315 | 1 25.1 |
 +40 8.4 7.0 | 16 " [?]36956
 [[symbol-check]] 116 | +42° 352 | 1 33.4 | +42 54.2 7.5 | 25 " "
 [[symbol-check]] 117 | +43° 337 | 1 30.0 | +43 24.2 7.5 | 49 " "
 [[symbol-check]] 118 | +42° 362 | 1 36.4 | +42 58.7 7.7 | 26 " "
 [[symbol-check]] 119 | +42° 370 | 1 37.6 | +42 58.8 7.5 | 27 " "
 [[symbol-check]] 120 | +44° 350 | 1 33.0 | +44 18.8 8.6 | 51 " "
 121 | +44° 357 | 1 35.0 | +44 40.6 8.5 | 53 " "
 Ident. in Book by M.A.H. June 11, 1915
 Cards made out " " "
 Checked by A.J.C.



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12

Friday Oct. 25, 1912.

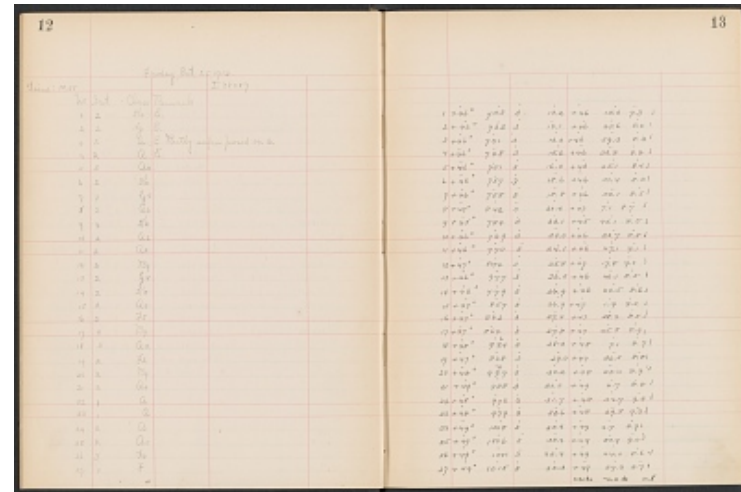
Time: 10.55 | | I38087

No. | Int. | Class | Remark

1 | 2 | K0 | E
 2 | 2 | G | E
 3 | 2 | A | E Partly superposed on 2.
 4 | 2 | A | E
 5 | 5 | A0
 6 | 2 | K0
 7 | 1 | G5
 8 | 2 | A3
 9 | 4 | K2
 10 | 2 | A2
 11 | 2 | A2
 12 | 3 | B9
 13 | 2 | G5
 14 | 2 | K5
 15 | 2 | A0
 16 | 2 | F5
 17 | 4 | B9
 18 | 3 | A2
 19 | 2 | F2
 20 | 2 | B9
 21 | 2 | A0
 22 | 1 | A
 23 | 1 | A
 24 | 2 | A
 25 | 2 | A5
 26 | 3 | F0
 27 | 1 | F

13

1 | +46° 733 | 3 10.2 | +46 15.0 7.3 [[symbol-check]]
 2 | +46° 732 | 3 10.1 | +46 45.6 8.0 [[symbol-check]]
 3 | +46° 731 | 3 10.0 | +46 59.3 8.3 [[symbol-check]]
 4 | +46° 748 | 3 15.6 | +46 30.8 8.8 [[symbol-check]]
 5 | +46° 751 | 3 16.4 | +46 45.1 8.4 [[symbol-check]]
 6 | +46° 757 | 3 8.6 | +46 51.4 8.3 [[symbol-check]]
 7 | +46° 758 | 3 18.8 | +46 52.1 8.5 [[symbol-check]]
 8 | +47° 842 | 3 20.4 | +47 7.1 8.7 [[symbol-check]]
 9 | +45° 784 | 3 23.1 | +45 45.1 8.5 [[symbol-check]]
 10 | +46° 769 | 3 24.0 | +46 20.7 8.8 [[symbol-check]]
 11 | +46° 770 | 3 24.1 | +46 47.1 9.1 [[symbol-check]]
 12 | +47° 854 | 3 25.8 | +47 17.8 9.0 [[symbol-check]]
 13 | +46° 777 | 3 26.5 | +46 46.1 8.5 [[symbol-check]]
 14 | +46° 779 | 3 26.9 | +46 44.5 8.6 [[symbol-check]]
 15 | +47° 859 | 3 26.9 | +47 1.9 9.2 [[symbol-check]]
 16 | +47° 862 | 3 27.4 | +47 38.4 8.5 [[symbol-check]]
 17 | +47° 864 | 3 27.8 | +47 45.8 8.9 [[symbol-check]]
 18 | +48° 964 | 3 28.3 | +48 7.1 8.7 [[symbol-check]]
 19 | +47° 868 | 3 29.0 | +47 36.5 8.8 [[symbol-check]]
 20 | +48° 969 | 3 30.2 | +48 25.0 8.9 [[symbol-check]]
 21 | +49° 988 | 3 30.0 | +49 6.7 8.8 [[symbol-check]]
 22 | +48° 976 | 3 31.7 | +48 34.7 9.3 [[symbol-check]]
 23 | +48° 979 | 3 32.6 | +48 29.8 9.3 [[symbol-check]]
 24 | +49° 1008 | 3 33.4 | +49 4.7 8.9 [[symbol-check]]
 25 | +49° 1006 | 3 33.4 | +49 30.9 9.0 [[symbol-check]]



26 | +49° 1001 | 3 32.4 | +49 44.0 8.6 [[symbol-check]]
27 | +49° 1015 | 3 35.3 | +49 57.3 8.7 [[symbol-check]]
cards made out

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14

Friday, Oct. 25, 1912.

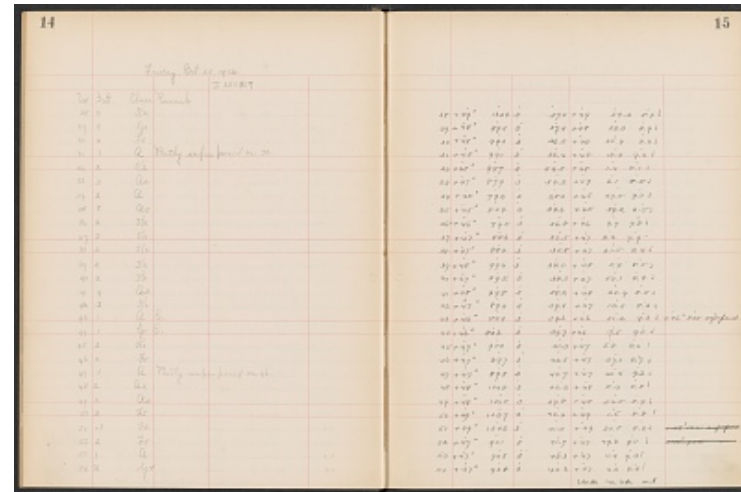
1380~~0~~87

No. | Irt. | Class | Remarks |

28 | 3 | K2
 29 | 2 | y0
 30 | 3 | F5
 31 | 1 | A | Partly super posed on 30. |
 32 | 2 | K2
 33 | 3 | A0
 34 | 2 | A
 35 | 8 | A5
 36 | 2 | K2
 37 | 3 | K0
 38 | 2 | K0
 39 | 2 | K0
 40 | 2 | K0
 41 | 4 | A0
 42 | 3 | K0
 43 | 1 | A | E. |
 44 | 1 | Y | E. |
 45 | 2 | K0
 46 | 2 | F5
 47 | 1 | A | Partly super posed on 46. |
 48 | 2 | A2
 49 | 2 | A0
 50 | 2 | F5
 51 | 3 | F2
 52 | 2 | F5
 53 | 1 | A
 54 | 2 | Y5

15

28 | +49° 1024 | 3 37.0 | +49 54.3 8.4[[symbol-check]] |
 29 | +48° 993 | 3 37.4 | +48 52.3 8.9[[symbol-check]] |
 30 | +48° 990 | 3 36.3 | +48 20.4 8.3[[symbol-check]] |
 31 | +48° 991 | 3 36.4 | +48 18.3 9.4[[symbol-check]] |
 32 | +48° 987 | 3 34.8 | +48 1.4 8.1[[symbol-check]] |
 33 | +47° 879 | 3 34.2 | +47 6.1 8.5[[symbol-check]] |
 34 | +45° 793 | 3 28.0 | +45 47.5 9.0[[symbol-check]] |
 35 | +45° 804 | 3 34.6 | +45 39.2 6.5[[symbol-check]] |
 36 | +46° 795 | 3 36.8 | +46 9.7 7.8[[symbol-check]] |
 37 | +47° 886 | 3 36.5 | +47 8.4 7.9[[symbol-check]] |
 38 | +47° 884 | 3 35.8 | +47 31.5 8.4[[symbol-check]] |
 39 | +48° 996 | 3 38.0 | +48 5.8 8.5[[symbol-check]] |
 40 | +47° 892 | 3 38.5 | +47 50.1 8.4[[symbol-check]] |
 41 | +48° 998 | 3 38.2 | +48 20.9 8.5[[symbol-check]] |
 42 | +47° 894 | 3 39.4 | +47 13.3 8.3[[symbol-check]] |
 43 | +46° 804 | 3 39.6 | +46 31.2 9.3[[symbol-check]] | +46° 805
 superposed |
 44 | +46° 806 | 3 39.7 | +46 17.5 9.0[[symbol-check]] |
 45 | +47° 900 | 3 41.3 | +47 5.8 8.0[[symbol-check]] |
 46 | +47° 897 | 3 40.5 | +47 37.0 8.7[[symbol-check]] |
 47 | +47° 898 | 3 40.7 | +47 40.4 9.2[[symbol-check]] |
 48 | +48° 1008 | 3 40.3 | +48 8.3 8.8[[symbol-check]] |
 49 | +48° 1005 | 3 39.8 | +48 34.5 8.9[[symbol-check]] |
 50 | +49° 1037 | 3 40.4 | +49 1.5 8.8[[symbol-check]] |
 51 | +49° 1042 | 3 41.0 | +49 20.5 8.4[[symbol-check]] |



~~+~~49° 1041 superposed~~+~~ |
52 | +47° 901 | 3 41.7 | +47 49.6 9.0~~+~~ |
~~+~~47° 903 superposed~~+~~ |
53 | +47° 905 | 3 42.3 | +47 11.4 9.3~~+~~ |
54 | +47° 908 | 3 43.6 | +47 4.0 8.4~~+~~ |

cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

16

Friday, Oct. 25, 1912.

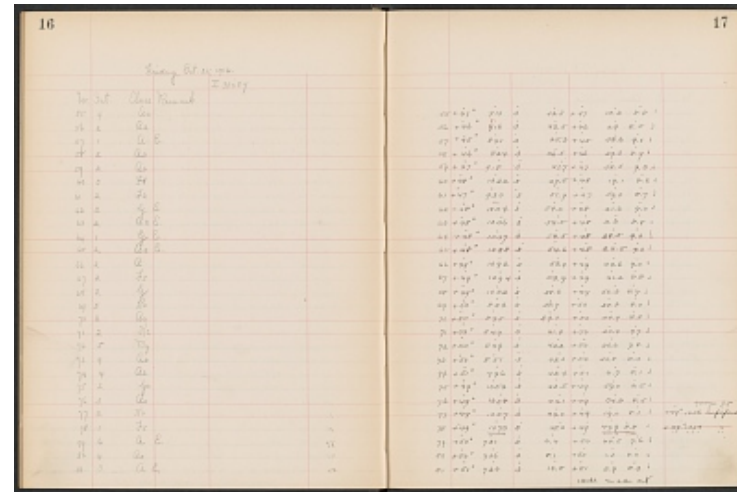
I 38087

No. | Int. | Class | Remark

55 | 4 | A0 |
 56 | 2 | A2 |
 57 | 1 | A | E.
 58 | 2 | A0 |
 59 | 2 | A0 |
 60 | 3 | F8 |
 61 | 2 | F2 |
 62 | 2 | G | E.
 63 | 2 | A2 | E.
 64 | 1 | G | E.
 65 | 2 | A3 | E.
 66 | 2 | A |
 67 | 2 | F5 |
 68 | 2 | G |
 69 | 3 | K0 |
 70 | 2 | A0 |
 71 | 2 | K2 |
 72 | 5 | B9 |
 73 | 4 | A0 |
 74 | 4 | A2 |
 75 | 2 | G0 |
 76 | 3 | A0 |
 77 | 2 | K0 |
 78 | 1 | F5 |
 79 | 6 | A | E.
 80 | 4 | A0 |
 81 | 3 | A | E.

17

55 | +47° 910 | 3 44.3 | +47 13.2 8.8 [[symbol-check]]
 56 | +46° ~~910~~ | 3 43.5 | +46 0.9 8.5
 57 | +45° 841 | 3 45.3 | +45 52.6 9.1 [[symbol-check]]
 58 | +46° 824 | 3 46.5 | +46 29.3 8.9 [[symbol-check]]
 59 | +47° 918 | 3 47.7 | +47 52.5 9.3 [[symbol-check]]
 60 | +48° 1022 | 3 47.5 | +48 19.1 8.6 [[symbol-check]]
 61 | +47° 930 | 3 51.9 | +47 59.0 8.7 [[symbol-check]]
 62 | +48° 1034 | 3 54.0 | +48 21.6 8.0 [[symbol-check]]
 63 | +48° 1036 | 3 54.5 | +48 3.3 8.8 [[symbol-check]]
 64 | +48° 1037 | 3 54.5 | +48 28.5 9.0 [[symbol-check]]
 65 | +48° 1038 | 3 54.6 | +48 24.5 9.0 [[symbol-check]]
 66 | +49° 1092 | 3 53.4 | +49 24.6 9.0 [[symbol-check]]
 67 | +49° 1094 | 3 53.9 | +49 41.2 8.8 [[symbol-check]]
 68 | +49° 1032 | 3 38.6 | +49 56.3 8.7 [[symbol-check]]
 69 | +50° 834 | 3 38.7 | +50 28.8 8.0 [[symbol-check]]
 70 | +50° 835 | 3 39.0 | +50 44.9 8.8 [[symbol-check]]
 71 | +50° 847 | 3 41.4 | +50 20.4 7.7 [[symbol-check]]
 72 | +50° 849 | 3 42.2 | +50 36.6 7.4 [[symbol-check]]
 73 | +50° 851 | 3 43.0 | +50 30.8 8.3 [[symbol-check]]
 74 | +51° 796 | 3 43.4 | +51 6.7 8.1 [[symbol-check]]
 75 | +49° 1054 | 3 43.5 | +49 59.0 8.5 [[symbol-check]]
 76 | +49° 1058 | 3 44.1 | +49 54.8 8.5 [[symbol-check]]
 77 | +49° 1057 | 3 44.0 | +49 19.0 8.1 [[symbol-check]] | +49° 1056
 magn. 9.5 +49° 1056 superposed



78 | +49° 1073^[[~~1074~~]] | 3 48.0 | +49
 47.9^[[~~47.4~~]] 9.0[[~~9.0~~]] 8.8 [[symbol-check]] |
 [[~~1074~~]]+49° 1074 "[[~~1074~~]]"
 79 | +50° 731 | 3 6.4 | +50 40.5 7.6
 80 | +50° 736 | 3 8.1 | +50 1.2 8.0
 81 | +51° 720 | 3 10.8 | +51 2.9 8.3
 cards made out

Project PHaEDRA - Annie Jump Cannon 54
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18

Friday, Oct. 25, 1912.

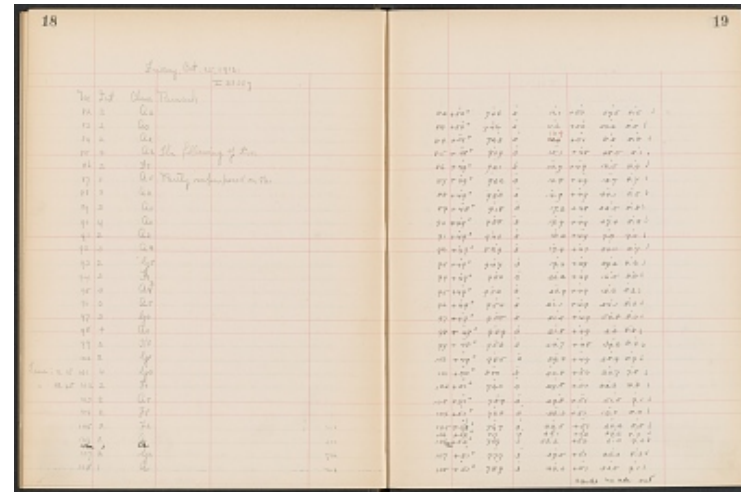
I38087

No. | Int. | Class | Remark |

82 | 2 | A2 |
 83 | 2 | A0 |
 84 | 2 | A2 |
 85 | 4 | A2 | The following of two. |
 86 | 2 | F5 |
 87 | 1 | A5 | Partly super based on 86. |
 88 | 3 | A2 |
 89 | 3 | A0 |
 90 | 4 | A0 |
 91 | 2 | A2 |
 92 | 3 | A3 |
 93 | 2 | G5 |
 94 | 3 | F0 |
 95 | 3 | A ~~[[5]]~~ ~~[[3]]~~ |
 96 | 3 | A5 |
 97 | 2 | G0 |
 98 | 4 | A0 |
 99 | 2 | K5 |
 100 | 2 | G |
 Time: 11.15 101 | 6 | G0 |
 " 12.45 102 | 2 | F0 |
 103 | 2 | A5 |
 104 | 2 | F5 |
 105 | 2 | F2 |
 106 | 2 | A |
 106a | 1 | A |
 107 | 2 | G0 |
 108 | 1 | A |

19

82 | +50° 744 | 3 | 11.1 | +50 57.5 8.5[[symbol-check]] |
 83 | +50° 746 | 3 | 11.6 | +50 34.2 8.8[[symbol-check]] |
 84 | +51° 723 | 3 | ~~[[12.0]]~~ ~~[[11.9]]~~ | +51 8.3 8.8[[symbol-check]] |
 85 | +48° 909 | 3 | 15.1 | +48 48.5 8.1[[symbol-check]] |
 86 | +49° 921 | 3 | 14.7 | +49 16.5 8.9[[symbol-check]] |
 87 | +49° 922 | 3 | 14.8 | +49 13.7 8.7[[symbol-check]] |
 88 | +49° 923 | 3 | 14.9 | +49 34.1 8.5[[symbol-check]] |
 89 | +48° 918 | 3 | 17.2 | +48 32.5 8.8[[symbol-check]] |
 90 | +49° 938 | 3 | 17.9 | +49 27.4 8.3[[symbol-check]] |
 91 | +49° 940 | 3 | 18.2 | +49 7.3 9.0[[symbol-check]] |
 92 | +47° 829 | 3 | 17.4 | +47 20.0 8.7[[symbol-check]] |
 93 | +49° 947 | 3 | 19.4 | +49 39.2 8.6[[symbol-check]] |
 94 | +49° 950 | 3 | 20.2 | +49 16.5 8.8[[symbol-check]] |
 95 | +49° 953 | 3 | 20.9 | +49 12.3 8.2[[symbol-check]] |
 96 | +49° 954 | 3 | 21.1 | +49 24.1 8.0[[symbol-check]] |
 97 | +49° 955 | 3 | 21.3 | +49 54.8 8.0[[symbol-check]] |
 98 | +49° 959 | 3 | 21.8 | +49 2.2 8.8[[symbol-check]] |
 99 | +48° 953 | 3 | 24.7 | +48 39.2 8.4[[symbol-check]] |
 100 | +49° 985 | 3 | 29.4 | +49 28.9 8.9[[symbol-check]] |
 101 | +50° 800 | 3 | 30.8 | +50 20.7 7.8[[symbol-check]] |
 102 | +51° 760 | 3 | 29.8 | +51 33.3 8.8[[symbol-check]] |
 103 | +51° 759 | 3 | 29.8 | +51 51.5 9.1[[symbol-check]] |
 104 | +51° 764 | 3 | 32.3 | +51 12.0 8.3[[symbol-check]] |



105 | +5~~2~~1° 767 | 3 33.5 | +51 20.2
 8.8~~8~~ |
 106 | +52° 711 | 3 35.1 | +52 29.2 9.0~~0~~ |
 106a | +52° 709 | 3 33.2 | +52 0.3 9.0~~0~~ |
 107 | +51° 777 | 3 37.5 | +51 35.3 8.3~~3~~ |
 108 | +51° 789 | 3 40.0 | +51 30.5 9.1~~1~~ |
 cards made out

Project PHaEDRA - Annie Jump Cannon 54
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20

Friday, Oct. 25, 1912.

I38087

No. | Int. | Class | Remark |

109 | 3 | A2 | |
 110 | 2 | G5 | |
 111 | 3 | F8 | |
 112 | 4 | G0 | |
 113 | 1 | A | |
 114 | 2 | A0 | |
 115 | 4 | B8 | E. |
 116 | 4 | G0 | E. |
 117 | 3 | F8 | E. |
 118 | 3 | F0 | E. |
 119 | 1 | K2 | |
 120 | 1 | G5 | |
 121 | 1 | A | |
 122 | 4 | F5 | |
 123 | 1 | K2 | |
 124 | 3 | A0 | |
 125 | 2 | F | Line K appears fainter than normal. |
 126 | 4 | B8 | |
 127 | 2 | G0 | |
 128 | 2 | A | E. |

Time: 12.51 129 | 2 | F5 | E. |

cont. in BR. 130. P. 196

21

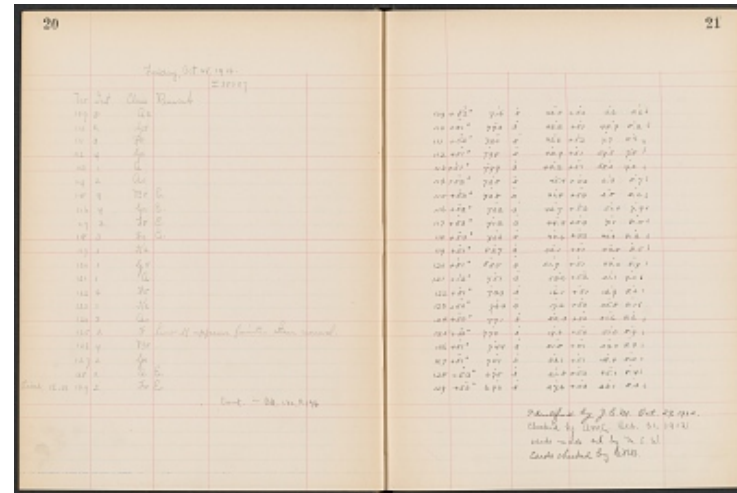
109	+52° 716	3 40.5	+52 3.6 8.6	[[symbol-check]]
110	+51° 793	3 42.2	+51 48.9 8.2	[[symbol-check]]
111	+52° 720	3 42.6	+52 7.7 8.4	[[symbol-check]]
112	+51° 798	3 43.9	+51 59.5 7.8	[[symbol-check]]
113	+51° 799	3 44.2	+51 58.0 9.0	[[symbol-check]]
114	+52° 728	3 45.4	+52 6.3 8.7	[[symbol-check]]
115	+53° 708	3 41.8	+53 2.8 8.0	[[symbol-check]]
116	+52° 722	3 42.7	+52 51.0 7.9	[[symbol-check]]
117	+53° 712	3 44.3	+53 7.1 8.5	[[symbol-check]]
118	+53° 706	3 40.6	+53 40.0 8.2	[[symbol-check]]
119	+51° 827	3 50.1	+51 44.8 8.5	[[symbol-check]]
120	+51° 835	3 51.7	+51 44.0 8.9	[[symbol-check]]
121	+52° 751	3 53.2	+52 21.1 9.0	[[symbol-check]]
122	+51° 733	3 16.1	+51 12.9 8.0	[[symbol-check]]
123	+50° 764	3 17.6	+50 25.8 8.1	[[symbol-check]]
124	+50° 771	3 20.3	+50 31.6 8.6	[[symbol-check]]
125	+50° 770	3 19.6	+50 51.0 8.9	[[symbol-check]]
126	+51° 744	3 21.8	+51 34.0 8.4	[[symbol-check]]
127	+51° 751	3 23.1	+51 48.4 8.3	[[symbol-check]]
128	+53° 675	3 21.8	+53 45.1 8.4	[[symbol-check]]
129	+53° 690	3 27.6	+53 23.1 8.3	[[symbol-check]]

Identified by J.C.M. Oct. 29, 1912.

Checked by A.M.C. Oct. 31, 1912

cards made out by M.C.W.

cards checked by GRB.



Project PHaEDRA - Annie Jump Cannon 54
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22

Monday, Oct. 28, 1912.

Time: 10.26 I38084

[[4 column chart]]

No.	Int.	Class	Remark
1	3	K2	E.
2	2	A2	
3	3	A0	
4	3	A0	
5	3	A	Partly superposed on 6.
6	3	A	" " "5.
7	3	K0	
8	3	F	Partly superposed on 7.
9	9	A0	
10	2	A2	
11	2	A	E.
12	1	A	
13	2	A2	
14	5	A0	
15	2	A0	
16	4	K2	
17	7	B9	
18	5	F2	
19	2	K0	
20	6	B9	E.
21	3	A5	
22	3	A2	
23	3	K0	
24	3	A0	
25	1	K	
26	6	B9	
27	7	B9	

23

[[5 column chart]]

1	+18° 873	5 23.2	+18 7.6 7.4
2	+19° 1009	5 32.2	+19 2.6 8.8
3	+18° 911	5 32.6	+18 33.7 8.5
4	+19° 1019	5 33.0	+19 8.4 8.4
5	+19° 1023	5 33.2	+19 17.2 8.0
6	+19° 1024	5 33.2	+19 21.5 8.5
7	+18° 920	5 34.0	+18 55.1 7.5
8	+18° 918	5 33.9	+18 36.3 8.3
9	+18° 923	5 34.4	+18 55.0 7.1
10	+18° 925	5 34.6	+18 26.3 8.7
11	+18° 931	5 35.0	+18 4.4 8.8
12	+18° 934	5 35.3	+18 33.9 9.0
13	+18° 939	5 35.9	+18 27.3 8.5
14	+18° 938	5 35.8	+18 47.1 7.8
15	+18° 946	5 36.4	+18 40.2 8.9
16	+18° 950	5 36.7	+18 38.1 7.5
17	+18° 957	5 37.3	+18 43.8 8.2
18	+18° 959	5 37.6	+18 48.4 8.3

19	+18° 966	5 38.9	+18 40.4 8.3
20	+17° 1029	5 42.1	+17 59.0 7.8
21	+19° 1089	5 41.6	+19 7.6 8.1
22	+20° 1128	5 41.9	+20 23.7 8.8
23	+20° 1131	5 42.1	+20 37.4 8.3
24	+20° 1132	5 42.2	+20 7.2 8.5
25	+20° 1138	5 43.0	+20 24.3 9.1
26	+20° 1144	5 43.8	+20 38.8 8.3
27	+20° 1149	5 44.3	+20 44.0 7.7

cards made out

Project PHaEDRA - Annie Jump Cannon 54
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24

Monday, Oct. 28, 1912
138084

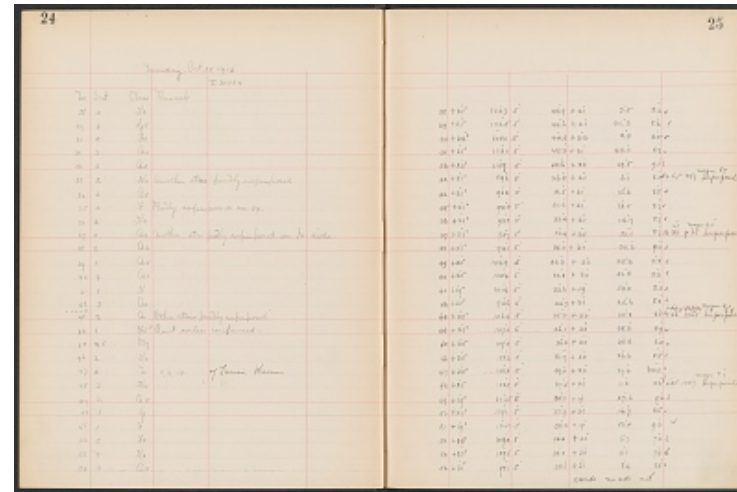
[[4 Columned Table]]

No.	Int.	Class	Remark
28	3	K2	
29	4	G5	
30	3	F8	
31	3	A0	
32	2	A3	
33	2	K0	Another star partly superposed
34	2	A5	
35	2	F	Partly superposed on 24
36	2	K0	
37	3	A0	Another star partly superposed on pr. side
38	2	A2	
39	2	A5	
40	4	A0	
41	1	K	
42	3	A0	
43	2	A	Other stars partly superposed
44	1	F5?	Quit unless confirmed.
45	[[[strikethrough]]4[[/strikethrough]] 5 B9 		
46	2	K0	
47	2	U	0, 6, 10 of Farm Known
48	3	K0	
49	2	A5	
50	1	G	
51	1	F	
52	5	F2	
53	4	K0	
54	3	A3	

25

[[5 Columned Table]]

28	+ 21° 1027	5 44.9	+ 21 7.5	8.2
29	+ 21° 1025	5 44.6	+ 21 30.3	8.2
30	+ 22° 1080	5 44.6	+ 22 2.3	8.5
31	+ 21° 1030	5 45.3	+ 21 48.0	8.7
32	+ 20° 1159	5 45.6	+ 20 49.5	9.1
33	+ 21° 896	5 26.8	+ 21 6.1	8.5+21° 897 ^[[magn. 8.9]]
Superposed				
34	+ 21° 922	5 31.5	+ 21 15.2	8.8
35	+ 21° 923	5 31.6	+ 21 12.5	8.7
36	+ 21° 928	5 32.4	+ 21 14.7	8.7
37	+ 21° 937	5 33.4	+ 21 30.0	8.7+
[[[strikethrough]]37[[/strikethrough]] 21 ^[[magn. 9.0]] 35 Superposed 				
38	+ 21° 941	5 34.0	+ 21 30.2	9.0
39	+ 20° 1049	5 33.3	+ 20 25.2	8.8
40	+ 20° 1054	5 33.8	+ 20 31.8	8.3
41	+ 19° 1014	5 32.6	+ 19 58.8	8.3
42	+ 21° 946	5 34.7	+ 21 20.6	8.3
43	+ 20° 1064	5 35.0	+ 20 25.8	8.8+ [[[strikethrough]]20
1063 [[[strikethrough]] 20° 1065 ^[[magn. 9.1 8.8]] Superposed 				
44	+ 20° 1070	5 36.1	+ 20 38.0	8.9



45	+ 20° 1073	5 36.2	+ 20 28.6	8.2
46	+ 20° 1082	5 36.9	+ 20 26.6	8.5
47	+ 20° 1083	5 37.0	+ 20 37.4	bar.
48	+ 20° 1085	5 37.4	+ 20 11.2	8.2+20° 1087 ^[[magn. 8.7]]

Superposed |

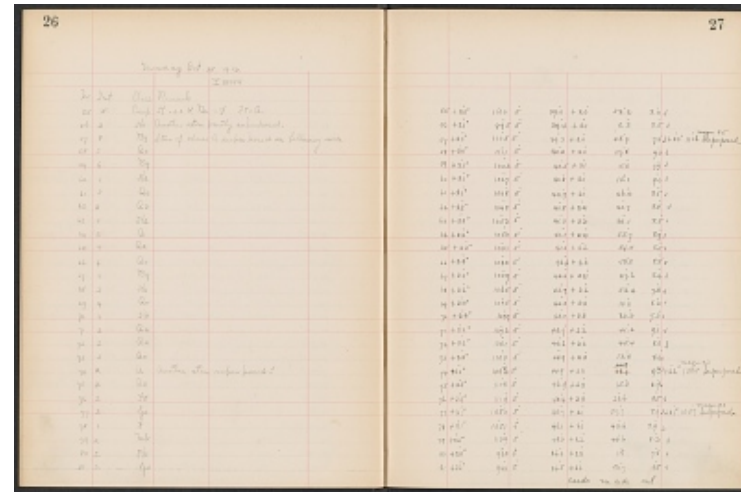
49	+ 19° 1045	5 35.0	+ 19 27.6	9.2
50	+ 20° 1091	5 37.9	+ 20 14.7	8.5
51	+ 19° 1067	5 38.0	+ 19 52.4	9.0
52	+ 20° 1093	5 38.2	+ 20 6.7	7.3
53	+ 20° 1095	5 38.3	+ 20 13.1	7.4
54	+ 21° 981	5 38.1	+ 21 8.4	8.8

[[/5 columned table]]
cards made out

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26
 Monday Oct. 28, 1912.
 138084
 [[4 columned table]]
 No|Int|Class|Remark|
 55|5|Cow|K=0.2 H. Br.=F Ft=a.|
 56|2|Ko|Another star partly superposed.|
 57|8|B9|Star of class A superposed on following side|
 58|2|A0|
 59|6|B9|
 60|1|K2|
 61|3|A0|
 62|2|A2|
 63|1|K2|
 64|2|A|
 65|4|A2|
 66|4|A0|
 67|4|B9|
 68|3|K0|
 69|4|A0|
 70|4|K5|
 71|2|A2|
 72|2|A2|
 73|3|A0|
 74|2|A|Another star superposed?|
 75|2|A2|
 76|2|F8|
 77|2|Y0|
 78|1|F|
 79|2|MG|
 80|2|K2|
 81|2|Y5|
 [[4 columned table]]

27
 [[9 columned table]]
 55|+20°|1100|5|39.0|+20|53.2|8.0|
 56|+21°|995|5|39.4|+21|0.3|8.5|
 57|+20°|1105|5|39.7|+20|48.9|7.3|+20° 1106 magu 8.5 Superposed
 58|+20°|1111|5|40.2|+20|57.8|9.0|
 59|+21°|1003|5|40.5|+21|5.0|7.9|
 60|+21°|1007|5|40.8|+21|15.1|9.0|
 61|+21°|1008|5|40.9|+21|46.4|8.5|
 62|+22°|1048|5|40.8|+22|40.7|8.8|
 63|+22°|1052|5|41.3|+22|30.1|8.5|
 64|+22°|1050|5|41.1|+22|55.7|8.9|
 65|+22°|1051|5|41.2|+22|54.8|8.5|
 66|+23°|1083|5|42.4|+23|52.8|8.8|
 67|+22°|1059|5|42.2|+22|27.6|8.4|
 68|+22°|1065|5|42.9|+22|52.4|7.8|
 69|+23°|1085|5|42.8|+23|11.0|8.2|
 70|+23°|1087|5|43.0|+23|20.2|7.3|
 71|+22°|1072|5|43.7|+22|41.2|9.1|
 72|+22°|1081|5|44.6|+22|45.4|8.8|
 73|+23°|1100|5|44.9|+23|13.0|8.6|
 74|+22°|108|~~[[striketrough]]~~5|~~[[striketrough]]~~4|5|44.9|+22|~~[[striketrough~~
~~h]]~~22.7, 23.9|~~[[striketrough]]~~9.0|+22° 1085 magu 9.0 Superposed
 75|+23°|1108|5|46.9|+23|15.0|8.7|
 76|+23°|1119|5|48.4|+23|23.6|8.5|
 77|+21°|1056|5|48.7|+21|57.7|8.9|+21° 1057 magu 9.3 Superposed
 78|+21°|1051|5|48.1|+21|42.6|8.9|



79	+22°	1109	5	48.3	+22	48.6	8.2	
80	+23°	938	5	24.3	+23	1.8	7.8	
81	+22°	942	5	24.5	+22	50.7	8.5	
[[/9 columned table]]
Cards made out

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28

Monday, Oct. 28, 1912.

138084

[No.] [Int.] [Class] [Remark]

[---] [---] [---] [---]

82|2|G|---

83|1|A|---

84|3|F?|Another star superposed.]

85|2|A|---

86|1|G5|---

87|2|F8|---

88|3|F5|---

89|2|A0|---

90|2|K0|---

91|5|K2|---

92|3|A0|---

93|4|A|Partly superposed on 94.]

94|4|B9|---

95|8|B3|---

96|2|A0|---

97|2|B8|---

98|1|A|---

99|2|Cont.|H bright? Probably class B.]

100|1|A2|---

101|2|K0|---

102|4|F2|---

103|3|A2|---

104|2|F|---

105|3|G0|---

106|2|A2|---

107|3|K0|---

108|4|K0|---

29

|82|+23° 942|5 24.7|+23 13.7|8.7|

|83|+23° 951|5 26.5|+23 24.6|8.8|

|84|+23° 973|5 28.8|+23 2.9|8.8|+23° Magn. 8.8 974 Superposed

|85|+24° 895|5 29.2|+24 13.2|8.8|

|86|+23° 978|5 29.7|+23 37.0|9.1|

|87|+23° 981|5 30.4|+23 12.1|8.5|

|88|+22° 989|5 33.0|+22 48.2|8.0|

|89|+22° 991|5 33.1|+22 36.4|8.7|

|90|+22° 993|5 33.2|+22 28.3|8.2|

|91|+22° 996|5 33.3|+22 35.0|6.8|

|92|+22° 1000|5 33.5|+22 17.7|8.7|

|93|+22° 1003|5 34.2|+22 23.4|8.6|

|94|+22° 1004|5 34.3|+22 35.7|8.3|

|95|+23° 1015|5 34.5|+23 7.9|6.3|

|96|+22° 1007|5 34.6|+22 8.3|8.7|

|97|+21° 949|5 35.2|+21 52.9|8.9|

|98|+21° 953|5 35.7|+21 17.9|9.0|

|99|+21° 958|5 36.2|+21 23.4|9.1|

|100|+21° 972|5 37.1|+21 23.4|9.0|

|101|+21° 975|5 37.2|+21 40.1|8.3|

|102|+21° 978|5 37.3|+21 14.9|8.0|

|103|+21° 979|5 37.4|+21 12.9|8.5|

|104|+21° 983|5 38.3|+21 36.3|8.7|

|105|+21° 984|5 38.4|+21 48.6|8.3|

28		29	
Transit of Mars		Transit of Mars	
No.	Class	No.	Class
82	G	94	B9
83	A	95	B3
84	F?	96	A0
85	A	97	B8
86	G5	98	A
87	F8	99	Cont.
88	F5	100	A2
89	A0	101	K0
90	K0	102	F2
91	K2	103	A2
92	A0	104	F
93	A	105	G0
94	B9	106	A2
95	B3	107	K0
96	A0	108	K0
97	B8		
98	A		
99	Cont.		
100	A2		
101	K0		
102	F2		
103	A2		
104	F		
105	G0		
106	A2		
107	K0		
108	K0		

106	+22° 1026	5 37.4	+22 8.6	8.8
107	+22° 1031	5 38.5	+22 28.1	8.2
108	+22° 1032	5 38.7	+22 51.8	8.0
cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

30

Monday, Oct 28, 1912

I38084

No. | Jut. | Class | Remark |

109 | 2 | K0 | |

110 | 2 | G5 | |

111 | 2 | A2 | |

112 | 5 | A0 | |

113 | 5 | A3 | |

114 | 1 | A3 | |

115 | 5 | K2 | Another star partly superposed.

116 | 4 | A0 | |

117 | 10 | K0 | |

118 | 3 | K0 | The following of two.

119 | 3 | B9 | |

120 | 1 | K | |

121 | 1 | A | |

122 | 1 | A5 | |

123 | 1 | G | |

124 | 1 | A | |

125 | 3 | G5 | |

126 | 5 | B8 | |

127 | | Omit. [?]

128 | 3 | A | |

129 | 2 | A | |

130 | 4 | A2 | Trace of G band seen [?]. Maybe camp [?].

131 | 2 | K0 | |

132 | 3 | A | Epsilon |

133 | 2 | G | Epsilon |

134 | 1 | K | |

135 | 2 | F5 | |

31

109 +22° 1025 5 37.4 +22 42.6 8.3 |

110 +22° 1017 5 36.2 +22 50.3 8.4 |

111 +23° 1030 5 36.5 +23 19.4 8.8 |

112 +23° 1036 5 37.1 +23 40.9 7.8 |

113 +24° 950 5 37.1 +24 9.7 8.0 |

114 +24° 956 5 38.3 +24 35.5 8.8 |

115 +24° 96 [[strikeout]] 5 [[strikeout]] 3 5 39. [[strikeout]] 1 [[strikeout]]

0 +24 3 [[strikeout]] 5 [[strikeout]] 7.8 [[strikeout]] 8 [[strikeout]]

7.0 +24° 965 magu 8.0 Superposed

116 +24° 968 5 39.7 +24 29.4 8.5 +24° 969 magu 9.1 Superposed

117 +24° 970 5 40.1 +24 30.9 5.3 |

118 +24° 973 5 40.5 +24 10.6 8.0 |

119 +23° 1060 5 39.8 +23 43.7 8.4 |

120 +23° 1043 5 38.6 +23 49.6 8.3 |

121 +24° 961 5 38.9 +24 1.1 9.0 |

122 +24° 980 5 41.7 +24 5.3 8.8 |

123 +25° 1005 5 42.1 +25 10.6 8.9 |

124 +25° 1014 5 43.7 +25 15.1 8.8 |

125 +25° 1020 5 44.6 +25 2.2 7.3 |

126 +24° 1007 5 44.7 +24 15.0 7.8 |

127 +25° 1019 5 44.5 +25 42.3 8.5 |

128 +25° 1021 5 44.7 +25 33.2 8.2 |

129 +25° 1024 5 45.1 +25 30.4 8.6 |

130 +25° 1034 5 47.3 +25 18.0 7.9 |

131 +25° 1053 5 49.2 +25 32.9 8.3 |

30	31
<p>Transit, Oct 28, 1912</p> <p>Star</p> <p>109 +22° 1025 5 37.4 +22 42.6 8.3</p> <p>110 +22° 1017 5 36.2 +22 50.3 8.4</p> <p>111 +23° 1030 5 36.5 +23 19.4 8.8</p> <p>112 +23° 1036 5 37.1 +23 40.9 7.8</p> <p>113 +24° 950 5 37.1 +24 9.7 8.0</p> <p>114 +24° 956 5 38.3 +24 35.5 8.8</p> <p>115 +24° 96 [[strikeout]] 5 [[strikeout]] 3 5 39. [[strikeout]] 1 [[strikeout]]</p> <p>0 +24 3 [[strikeout]] 5 [[strikeout]] 7.8 [[strikeout]] 8 [[strikeout]]</p> <p>7.0 +24° 965 magu 8.0 Superposed</p> <p>116 +24° 968 5 39.7 +24 29.4 8.5 +24° 969 magu 9.1 Superposed</p> <p>117 +24° 970 5 40.1 +24 30.9 5.3</p> <p>118 +24° 973 5 40.5 +24 10.6 8.0</p> <p>119 +23° 1060 5 39.8 +23 43.7 8.4</p> <p>120 +23° 1043 5 38.6 +23 49.6 8.3</p> <p>121 +24° 961 5 38.9 +24 1.1 9.0</p> <p>122 +24° 980 5 41.7 +24 5.3 8.8</p> <p>123 +25° 1005 5 42.1 +25 10.6 8.9</p> <p>124 +25° 1014 5 43.7 +25 15.1 8.8</p> <p>125 +25° 1020 5 44.6 +25 2.2 7.3</p> <p>126 +24° 1007 5 44.7 +24 15.0 7.8</p> <p>127 +25° 1019 5 44.5 +25 42.3 8.5</p> <p>128 +25° 1021 5 44.7 +25 33.2 8.2</p> <p>129 +25° 1024 5 45.1 +25 30.4 8.6</p> <p>130 +25° 1034 5 47.3 +25 18.0 7.9</p> <p>131 +25° 1053 5 49.2 +25 32.9 8.3</p>	<p>109 +22° 1025 5 37.4 +22 42.6 8.3</p> <p>110 +22° 1017 5 36.2 +22 50.3 8.4</p> <p>111 +23° 1030 5 36.5 +23 19.4 8.8</p> <p>112 +23° 1036 5 37.1 +23 40.9 7.8</p> <p>113 +24° 950 5 37.1 +24 9.7 8.0</p> <p>114 +24° 956 5 38.3 +24 35.5 8.8</p> <p>115 +24° 96 [[strikeout]] 5 [[strikeout]] 3 5 39. [[strikeout]] 1 [[strikeout]]</p> <p>0 +24 3 [[strikeout]] 5 [[strikeout]] 7.8 [[strikeout]] 8 [[strikeout]]</p> <p>7.0 +24° 965 magu 8.0 Superposed</p> <p>116 +24° 968 5 39.7 +24 29.4 8.5 +24° 969 magu 9.1 Superposed</p> <p>117 +24° 970 5 40.1 +24 30.9 5.3</p> <p>118 +24° 973 5 40.5 +24 10.6 8.0</p> <p>119 +23° 1060 5 39.8 +23 43.7 8.4</p> <p>120 +23° 1043 5 38.6 +23 49.6 8.3</p> <p>121 +24° 961 5 38.9 +24 1.1 9.0</p> <p>122 +24° 980 5 41.7 +24 5.3 8.8</p> <p>123 +25° 1005 5 42.1 +25 10.6 8.9</p> <p>124 +25° 1014 5 43.7 +25 15.1 8.8</p> <p>125 +25° 1020 5 44.6 +25 2.2 7.3</p> <p>126 +24° 1007 5 44.7 +24 15.0 7.8</p> <p>127 +25° 1019 5 44.5 +25 42.3 8.5</p> <p>128 +25° 1021 5 44.7 +25 33.2 8.2</p> <p>129 +25° 1024 5 45.1 +25 30.4 8.6</p> <p>130 +25° 1034 5 47.3 +25 18.0 7.9</p> <p>131 +25° 1053 5 49.2 +25 32.9 8.3</p>

132|+26°|864|5|27.0|+26|10.2|8.4|
133|+25°|878|5|27.5|+25|29.7|8.5|
134|+24°|882|5|27.6|+24|16.0|8.2| ~~Magm 9.5 T24 degree~~
883 superposed
135|+24°|~~934~~ ~~873|5|~~ ~~34.8~~
27.1|+24|~~59.8~~ ~~38.8|8.~~ ~~6~~ ~~3|~~
cards made out

Project PHaEDRA - Annie Jump Cannon 54
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Extracted Dec-02-2022 11:30:18

32

Monday, Oct. 28, 1912.
138084

[[4 column table]]

No. | Int. | Class | Remark |

136 | 4 | F8 | |

137 | 5 | A0 | |

138 | 1 | A | |

139 | 2 | K0 | |

140 | 3 | G5 | |

141 | 3 | A2 | |

142 | 4 | K0 | Another star superposed? |

143 | 3 | A0 | |

144 | 2 | F5 | |

145 | 1 | G5 | |

146 | 3 | A5 | |

147 | 2 | A | |

148 | 3 | K0 | |

149 | 2 | F | Another star superposed? Yes |

149a | 2 | A | |

150 | 2 | K0 | |

151 | 4 | A | Another star superposed. |

152 | 4 | A0 | |

153 | 3 | A0 | |

154 | 2 | A2 | The following of two. |

155 | 6 | B | H bright. Lines indistinct. |

32		33	
<p>Monday, Oct. 28, 1912.</p> <p>138084</p>		<p>138084</p>	
No.	Int.	Class	Remark
136	4	F8	
137	5	A0	
138	1	A	
139	2	K0	
140	3	G5	
141	3	A2	
142	4	K0	Another star superposed?
143	3	A0	
144	2	F5	
145	1	G5	
146	3	A5	
147	2	A	
148	3	K0	
149	2	F	Another star superposed? Yes
149a	2	A	
150	2	K0	
151	4	A	Another star superposed.
152	4	A0	
153	3	A0	
154	2	A2	The following of two.
155	6	B	H bright. Lines indistinct.

156 | 3 | A | E. |

157 | 1 | K | E. |

158 | 2 | F | Another star partly superposed |

159 | 2 | G5 | E. |

160 | 1 | K | E. |

[[left margin]]

Time: 11.08

[[/left margin]]161 | 3 | A | E. |

[[strikethrough]] 162 [[/strikethrough]] | | |

[[right margin]]

Cont. 132, 126

[[/right margin]]

33

[[8 column table]]

[[small dot above every value in columns 2-5]]

136 | +24° | 918 | 5 | 32.2 | +24 | 15.7 | 8.2 |

137 | +24° | 920 | 5 | 33.1 | +24 | 14.2 | 7.8 |

138 | +23° | 1014 | 5 | 34.3 | +23 | 39.5 | 8.7 |

139 | +24° | 931 | 5 | 34.6 | +24 | 0.8 | 7.9 |

140 | +24° | 940 | 5 | 35.7 | +24 | 50.6 | 7.9 |

141 | +24° | 942 | 5 | 36.3 | +24 | 37.0 | 8.0 |

142 | +25° | 961 | 5 | 36.6 | +25 | 3.0 | 8.0 | +25° ^[[magn. 9.2]] 959
superposed

143 | +25° | 953 | 5 | 35.9 | +25 | 41.9 | 8.1 |

144 | +25° | 958 | 5 | 36.6 | +25 | 40.3 | 8.5 |

145 | +25° | 967 | 5 | 37.3 | +25 | 38.0 | 8.4 |

146 | +25° | 975 | 5 | 38.1 | +25 | 47.6 | 8.5 |

147 | +26° | 963 | 5 | 39.7 | +26 | 0.5 | 9.0 |

148 | +25° | 991 | 5 | 40.1 | +25 | 35.3 | 7.6 |

149 | +24° | ~~5~~ | ~~911~~ | ~~907~~
~~| 5 | 31.4 | .3 | +24~~
~~| +25 | 5.3 | 0.1~~
~~| 8.9 | 8.5 |~~
~~| +25° 905 ^[[magn. 9.4 8.9]] superposed +24° 911~~
~~|~~

149a | +25 | 907 | 5 | 31.3 | +25 | 3.01 | ~~[[?]]~~ | 8.5 |

150 | +25° | 910 | 5 | 31.8 | +25 | 10.9 | 8.5 |

151 | +25° | 918 | 5 | 32.7 | +25 | 25.9 | 8.4 |

152 | +25° | 934 | 5 | 34.1 | +25 | 17.6 | 8.2 |

153 | +25° | 940 | 5 | 34.6 | +25 | 13.1 | 8.0 |

154 | +24° | 934 | 5 | 34.8 | +24 | 59.8 | 8.6 |

155 | +25° | 941 | 5 | 34.7 | +25 | 22.2 | 6.8 |

156 | +26° | 906 | 5 | 33.0 | +26 | 12.2 | 8.6 |

157 | +26° | 908 | 5 | 33.4 | +26 | 22.1 | 8.3 |

158 | +26° | 920 | 5 | 34.5 | +26 | 13.8 | 8.5 | +26° 922 ^[[magn. 8.3]]
superposed

159 | +25° | 852 | 5 | 24.0 | +25 | 47.7 | 8.0 |

160 | +26° | 834 | 5 | 22.9 | +26 | 34.2 | 7.7 |

161 | +26° | 992 | 5 | 45.0 | +26 | 23.1 | 8.3 |

Identified by A.M.C. Nov. 4, 1912
Checked by J.C.M. Nov. 14, 1912
Cards made out by M.C.W.
Cards checked by G.R.B.

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

34

Friday November 1, 1912
Time: 10.18 B 17401 short disp.

[[4 column table]]

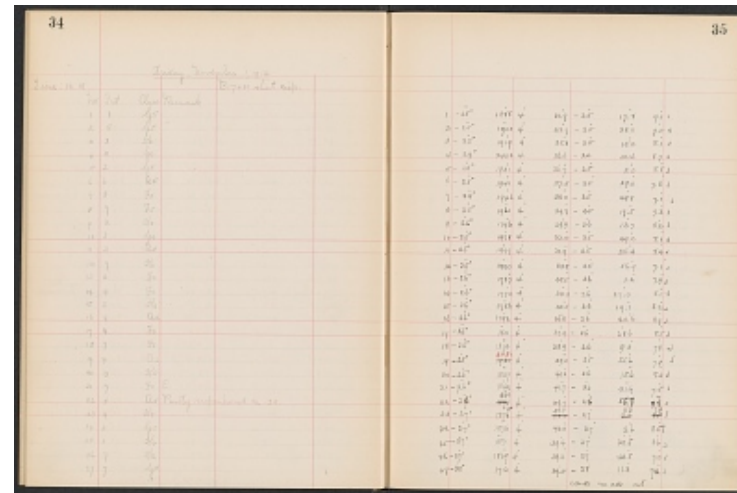
No. | Int. | Class | Remark

1	1	G5	
2	5	G5	
3	3	K0	
4	2	G0	
5	2	G5	
6	6	A5	
7	8	F5	
8	7	F5	
9	2	K0	
10	3	G0	
11	3	A5	
12	7	K0	
13	6	F0	
14	4	F0	
15	2	K0	
16	4	A2	
17	4	F0	
18	7	F2	
19	4	A3	
20	3	K5	
21	7	F0	E
22	5	A5	Partly superposed on 23
23	4	K0	
24	2	G5	
25	1	K0	
26	7	K2	
27	7	G5	

35

[[5 column table]]

1	-25° 1888	4 21.9	-25 17.8	9.1
2	-25° 1903	4 23.7	-25 28.0	7.5
3	-25° 1919	4 25.8	-25 15.0	8.1
4	-24° 2403	4 26.6	-24 50.4	8.7
5	-25° 1931	4 26.7	-25 2.0	8.8
6	-25° 1941	4 27.5	-25 29.0	7.6
7	-25° 1946	4 28.0	-25 49.9	7.1
8	-25° 1961	4 29.7	-25 17.5	7.3
9	-26° 1746	4 29.9	-26 13.7	8.2
10	-25° 1978	4 32.0	-25 49.0	8.1
11	-25° 1977	4 31.9	-25 25.4	8.4
12	-25° 1990	4 33.8	-25 56.9	7.1
13	-26° 1787	4 35.5	-26 1.2	7.9
14	-26° 1770	4 33.3	-26 27.0	8.5
15	-26° 1786	4 35.5	-26 19.1	8.2
16	-26° 1792	4 36.8	-26 40.6	8.7
17	-26° 1801	4 37.9	-26 28.6	8.4
18	-26° 1812	4 38.9	-26 9.3	7.8
19	-25° 1931	4 39.5	-25 55.6	7.9



20 | -26° 1827 | 4 40.2 | -26 15.6 | 8.0
 21 | -26° 1842 | 4 41.7 | -26 31.6 | 7.5
 22 | -26° ~~1875~~ 1820 | 4 39.7 | -26 55.7 |
 8.7
 23 | -27° 187 ~~6~~ 5 | 4 ~~40.0~~
 40.0 ~~39.7~~ | -27 ~~2.6~~ 0.3 |
~~8.5~~ 7.9
 24 | -27° 1876 | 4 40.0 | -27 2.6 | 8.5
 25 | -27° 1871 | 4 39.4 | -27 28.5 | 8.6
 26 | -27° 1869 | 4 39.2 | -27 48.5 | 7.0
 27 | -28° 1712 | 4 39.5 | -28 11.3 | 7.2
 cards made out

Project PHaEDRA - Annie Jump Cannon 54
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 Extracted Dec-02-2022 11:30:18

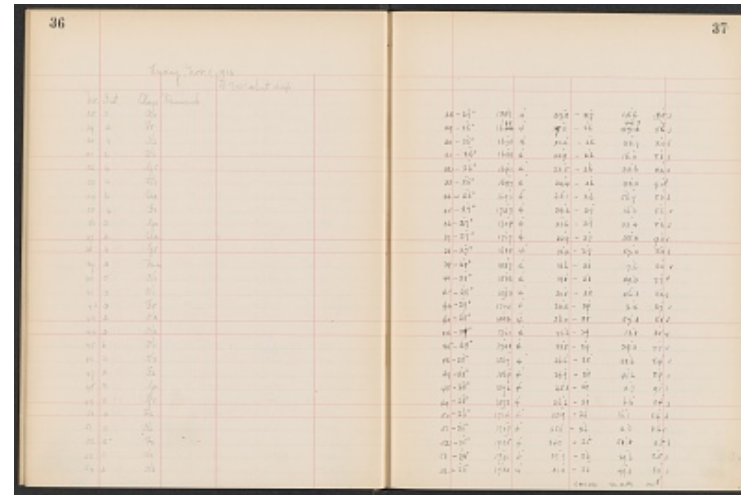
36
Friday, Nov. 1, 1918
B17401 short disk

[[4 columned table]]			
No.	Int.	Class	Remark
28	3	K0	
29	2	F8	
30	4	K2	
31	2	K0	
32	4	G5	
33	6	K0	
34	6	A2	
35	4	F0	
36	2	G0	
37	2	A2	
38	4	G5	
39	3	Mu	
40	5	K0	
41	3	K0	
42	3	F5	
43	2	K2	
44	3	K2	
45	6	K0	
46	3	K2	
47	2	F2	
48	2	G0	
49	3	G5	
50	6	F2	
51	3	K0	
52	2	F0	
53	2	K0	
54	2	K0	

37

[[5 column table]]

28	-27°	1857	4 37.8	-27 15.6 8.5	[[checkmark]]
29	-26°	1638	67	4 19.8	-26 47.3
8.6			7		[[checkmark]]
30	-26°	1676	4 21.2	-26 33.7 8.0	[[checkmark]]
31	-26°	1688	4 22.9	-26 16.0 8.3	[[checkmark]]
32	-26°	1691	4 23.5	-26 33.6 8.2	[[checkmark]]
33	-26°	1697	4 24.4	-26 33.0 7.0	[[checkmark]]
34	-26°	1690	4 23.1	-26 56.7 8.0	[[checkmark]]
35	-27°	1727	4 24.2	-27 16.6 8.6	[[checkmark]]
36	-27°	1709	4 21.6	-27 32.4 8.6	[[checkmark]]
37	-27°	1717	4 22.9	-27 38.3 9.0	[[checkmark]]
38	-27°	1685	4 18.4	-27 57.0 8.0	[[checkmark]]
39	-28°	1527	4 18.6	-28 7.6 8.0	[[checkmark]]
40	-28°	1536	4 19.8	-28 29.3 7.7	[[checkmark]]
41	-28°	1543	4 20.5	-28 46.3 8.2	[[checkmark]]
42	-29°	1714	4 20.8	-29 2.4 8.7	[[checkmark]]
43	-28°	1552	4 22.0	-28 57.3 8.8	[[checkmark]]
44	-29°	1721	4 21.6	-29 13.8 8.5	[[checkmark]]
45	-29°	1728	4 22.5	-29 29.3 7.7	[[checkmark]]
46	-28°	1567	4 24.6	-28 38.6 8.4	[[checkmark]]
47	-28°	1569	4 24.9	-28 41.6 8.9	[[checkmark]]



48	-28° 1572	4 25.3	-28 0.7 9.1	[[checkmark]]
49	-28° 1578	4 26.2	-28 6.6 8.4	[[checkmark]]
50	-26° 1714	4 25.9	-26 16.1 8.4	[[checkmark]]
51	-26° 1709	4 25.8	-26 2.0 8.6	[[checkmark]]
52	-25° 1905	4 24.0	-25 52.8 8.5	[[checkmark]]
53	-26° 1731	4 27.9	-26 29.6 8.5	[[checkmark]]
54	-26° 1753	4 31.3	-26 49.3 8.2	[[checkmark]]

cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

38

Friday, Nov. 1, 1912
B17401 short disp.

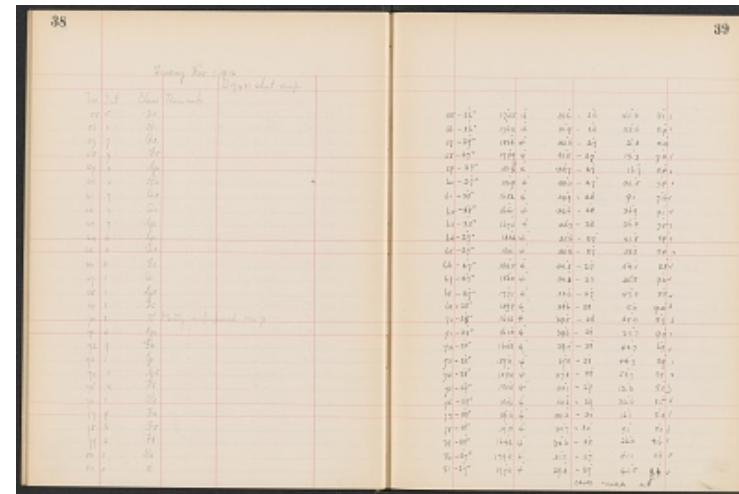
[[4 columns]]

No.	Int.	Class	Remark
55	5	F5	
56	1	K	
57	7	A2	
58	9	F5	
59	4	G0	
60	4	K2	
61	7	A3	
62	4	A0	
63	7	G0	
64	2	G0	
65	4	A2	
66	2	F5	
67	1	A	
68	1	G5	
69	1	F5	
70	1	K	Partly superposed on 71
71	4	G0	
72	9	F2	
73	1	G	
74	1	G5	
75	4	F8	
76	1	K5	
77	4	F0	
78	6	F5	
79	2	F8	
80	1	K0	
81	1	K	

39

[[5 Columns]]

55	-26° 1755	4 31.6	26 41.3 8.1
56	-26° 1762	4 31.9	26 32.6 8.9
57	-27° 1806	4 32.6	27 2.3 8.0
58	-27° 1799	4 31.5	27 17.7 7.3
59	-27° 1817	[[/strikethrough]] 7	[[/strikethrough]] 6 4 33.7 27 16.7 8.4
60	-27° 1809	4 33.0	27 30.5 7.9
61	-28° 1652	4 33.9	28 9.1 7.6
62	-28° 1661	4 34.6	28 26.9 9.1
63	-28° 1674	4 35.7	28 26.3 7.5
64	-27° 1832	4 35.6	27 41.8 8.9
65	-27° 1831	4 35.2	27 58.8 8.4
66	-27° 1825	4 34.8	27 54.1 8.8
67	-27° 1823	4 34.8	27 35.8 9.3
68	-27° 1771	4 28.6	27 47.8 8.8
69	-28° 1599	4 28.6	28 5.0 9.2
70	-28° 1612	4 29.5	28 25.0 8.7
71	-28° 1613	4 29.6	28 27.7 9.0

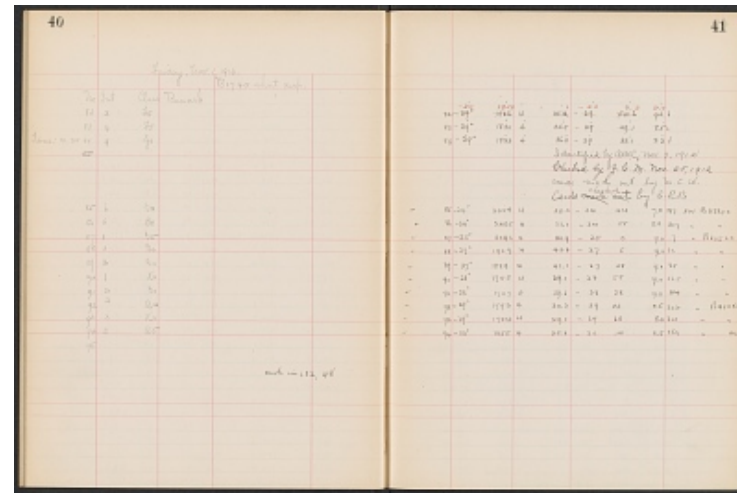


72	-28° 1608	4 29.0	28 42.7 6.9
73	-28° 1593	4 27.8	28 44.7 8.9
74	-28° 1594	4 27.8	28 53.7 8.8
75	-29° 1805	4 32.1	29 12.2 8.0
76	-29° 1806	4 32.2	29 32.6 8.5
77	-30° 1916	4 32.3	30 12.1 8.3
78	-30° 1918	4 32.7	30 9.1 8.0
79	-28° 1642	4 32.6	28 26.3 8.6
80	-27° 1794	4 31.0	27 51.1 8.8
81	-27° 1776	4 29.3	27 41.5 9.2

cards made art

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

40
 Friday, Nov. 1, 1912
 | | | B17401 short dis[[k?]].
 No|Int.|Class|Remark|
 82|3|F5| |
 83|4|F5| |
 Time: 10.35 84|4|F5| |
 [[Large gap of several lines]]
 85|6|Go| |
 86|6|B8| |
 87|1|G5| |
 88|1|Go| |
 89|2|Go| |
 90|1|Ko| |
 91|2|Go| |
 92|3|A2| |
 93|3|Ko| |
 94|3|A5| |
 95| | | |
 [[skipped line]]
 | | | | cmh. in 132,48
 41
 82|-29°|1939|4|35.1|-30|3.3|8.7|
 83|-29°|1830|4|35.5|-29|49.1|8.5|
 84|-29°|1833|4|36.0|-29|38.1|8.3|
 | | | | Identified by AMC Nov. 7, 1912
 | | | | Checked by J.C.M. Nov. 25, 1912
 | | | | cards made out by W.C.W.
 | | | | Cards checked by G.R.B.
 85|-24°|2354|4|22.3|-24|44|7.8|197|ow B23810
 86|-24°|2465|4|33.1|-24|55|8.3|207| " "
 87|-25°|2043|4|40.9|-25|0|9.0|7| "B20533
 88|-27°|1907|4|43.2|-27|5|9.1|13| " "
 89|-27°|1888|4|41.1|-27|38|9.1|85| " "
 90|-28°|1705|4|39.1|-28|55|9.0|125| " "
 91|-28°|1707|4|39.2|-28|28|9.0|124| " "
 92|-29°|1793|4|30.3|-29|54|8.5|202| "B41080
 93|-29°|1784|4|29.1|-29|28|8.0|200| " "
 94|-30°|1855|4|25.2|-30|14|8.5|158| " "



Project PHaEDRA - Annie Jump Cannon 54
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42

Friday, Nov. 1, 1912

B 41089 about dusk

Time: 10.40

No. | Int. | Class | Remark

1 | 4 | Md | Hybright=10 Hfbright=10.

2 | 2 | K0 |

3 | 5 | G | E.

4 | 2 | K5 |

5 | 9 | A |

6 | 3 | G5 |

7 | 2 | K0 |

8 | 7 | Ma |

9 | 2 | K5 |

10 | 3 | G5 |

11 | 2 | K2 |

12 | 3 | K0 |

13 | 2 | G5 |

14 | 4 | F5 |

15 | 8 | A2 |

16 | 6 | A0 |

17 | 1 | F5 |

18 | 1 | K |

19 | 4 | F0 |

20 | 1 | K |

21 | 3 | F? | From Hy to violet end superposed on 22.

22 | 8 | K2 |

23 | 6 | F0 |

24 | 4 | A0 |

25 | 7 | A2 |

26 | 4 | K0 |

27 | 5 | F2 |

43

[[5 column table]]

1|-24° 1960|3 49.9|-24 24.0|8.6|

2|-23° 1641|3 50.6|-23 55.0|8.4|

3|-23° 1642|3 50.8|-23 47.8|7.9|

4|-24° 1996|3 52.9|-24 18.2|8.6|

5|-24° 2001|3 53.2|-24 9.5|7.9|

6|-24° 2049|3 57.0|-24 47.6|8.9|

7|-24° 2054|3 57.5|-24 20.2|8.6|

8|-24° 2062|3 58.2|-24 48.6|7.3|

9|-25° 1702|3 58.4|-25 12.9|8.4|

10|-24° 2076|3 59.6|-24 45.6|8.5|

11|-2~~[[strikethrough]]~~4~~[[/strikethrough]]~~5° ~~[[strikethrough]]~~2090

1~~[[/strikethrough]]~~1728|4 ~~[[strikethrough]]~~0.5~~[[/strikethrough]]~~1.1|-

2~~[[strikethrough]]~~4~~[[/strikethrough]]~~5 ~~[[strikethrough]]~~6.1~~[[/strikethrough]]~~

1.0~~[[strikethrough]]~~9.0~~[[/strikethrough]]~~8.5|

12|-2~~[[strikethrough]]~~4~~[[/strikethrough]]~~5°

~~[[strikethrough]]~~2102~~[[/strikethrough]]~~1735|4 2.2|-

2~~[[strikethrough]]~~4~~[[/strikethrough]]~~5

4.~~[[strikethrough]]~~8~~[[/strikethrough]]~~3~~[[strikethrough]]~~8.9~~[[/strikethrough]]~~

8.4|

13|-24° 2112|4 2.7|-24 49.8|8.9|

14|-24° 2102|4 2.1|-24 4.8|8.9|

15|-24° 2109|4 2.5|-24 8.1|8.6|

16|-23° 1758|4 2.4|-23 25.4|8.7|

17|-23° 1771|4 3.8|-23 56.6|9.2|

42		43	
<p>Friday, Nov. 1, 1912</p> <p>B 41089 about dusk</p> <p>Time: 10.40</p> <p>No. Int. Class Remark</p>		<p>Friday, Nov. 1, 1912</p> <p>B 41089 about dusk</p> <p>Time: 10.40</p> <p>No. Int. Class Remark</p>	
1	4	Md	Hybright=10 Hfbright=10.
2	2	K0	
3	5	G	E.
4	2	K5	
5	9	A	
6	3	G5	
7	2	K0	
8	7	Ma	
9	2	K5	
10	3	G5	
11	2	K2	
12	3	K0	
13	2	G5	
14	4	F5	
15	8	A2	
16	6	A0	
17	1	F5	
18	1	K	
19	4	F0	
20	1	K	
21	3	F?	From Hy to violet end superposed on 22.
22	8	K2	
23	6	F0	
24	4	A0	
25	7	A2	
26	4	K0	
27	5	F2	

18	-24°	2120	4 3.9	-24	18.7	9.0
19	-23°	1788	4 5.6	-23	42.2	8.8
20	-24°	2145	4 7.0	-24	13.8	9.0
21	-24°	2152	4 7.4	-24	12.7	8.7
22	-24°	2153	4 7.5	-24	8.1	6.8
23	-23°	1810	4 7.7	-23	26.6	6.6
24	-22°	777	4 7.6	-22	52.3	8.8
25	-23°	1836	4 10.4	-23	33.0	6.7
26	-23°	1841	4 11.2	-23	50.9	8.0
27	-24°	2195	4 10.7	-24	19.5	8.1

cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
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54|3 Y[[~~strikethrough~~]]0[[~~strikethrough~~]]5

54|-22° 795|4 10.7|-22 40.6 8.5|

Smithsonian Institution Transcription Center, Harvard-Smithsonian Center for Astrophysics

Cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

46
 Friday, Nov. 1, 1912.
 B41089 short disp.
 No. | Int. | Class | Remark |
 [[4 column table]]
 55 | 4 | A | |
 56 | 2 | F2 | |
 57 | 3 | G5 | |
 58 | 10 | A3 | |
 59 | 1 | K0 | |
 60 | 1 | G | |
 61 | 1 | K0 | |
 62 | 2 | G0 | |
 63 | 2 | G | |
 64 | 8 | F | |
 65 | 8 | K0 | |
 66 | 3 | K0 | |
 67 | 4 | G5 | |
 68 | 3 | K0 | |
 69 | 2 | A5 | |
 70 | 5 | F2 | |
 71 | 1 | K0 | |
 72 | 1 | G5 | |
 73 | 2 | A3 | |
 74 | 10 | A3 | |
 75 | 2 | G5 | |
 76 | 6 | G0 | |
 77 | 1 | K5 | |
 78 | 6 | G5 | |
 79 | 3 | K0 | |
 80 | 3 | A5 | |
 81 | 4 | F5 | |
 [[4 column table]]

47
 [[9 column table]]
 55 | -22° | 800 | 4 | 11.6 | -22 | 52.7 | 8.9 | |
 56 | -22° | 801 | 4 | 11.7 | -22 | 43.6 | 8.9 | |
 57 | -23° | 1854 | 4 | 13.0 | -23 | 4.1 | 8.6 | |
 58 | -23° | 1856 | 4 | 13.3 | -23 | 16.0 | 6.2 | |
 59 | -23° | 1844 | 4 | 11.6 | -23 | 11.6 | 9.2 | |
 60 | -23° | 1840 | 4 | 11.2 | -23 | 15.6 | 9.2 | |
 61 | -24° | 2218 | 2 | 12.4 | -24 | 5.8 | 8.6 | |
 62 | -24° | 2174 | 4 | 9.0 | -24 | 1.1 | 9.1 | |
 63 | ~~[[strikethrough]]~~ -25° | 1969 | 4 | 6.5 | -25 | 2.6 | 9.0 | ~~[[strikethrough]]~~ -
 24° | 2142 | 4 | 6.4 | -24 | 58.6 | 8.7 | |
 64 | -22° | 727 | 3 | 54.9 | -22 | 40.9 | 7.0 | |
 65 | -22° | 736 | 3 | 56.5 | -22 | 59.6 | 7.0 | |
 66 | -23° | 1729 | 3 | 59.4 | -23 | 3.3 | 8.3 | |
 67 | -23° | 1739 | 4 | 0.8 | -23 | 37.5 | 8.4 | |
 68 | -23° | 1741 | 4 | 0.9 | -23 | 49.1 | 8.3 | |
 69 | -24° | 2090 | 4 | 0.5 | -24 | 6.1 | 9.0 | |
 70 | -22° | 744 | 3 | 58.9 | -22 | 30.8 | 8.3 | |
 71 | -22° | 747 | 3 | 59.8 | -22 | 31.6 | 8.8 | |
 72 | -22° | 749 | 4 | 0.0 | -22 | 55.5 | 9.0 | |
 73 | -22° | 756 | 4 | 0.8 | -22 | 47.2 | 9.0 | |
 74 | -22° | 754 | 4 | 0.7 | -22 | 22.5 | 6.3 | |
 75 | -22° | 750 | 4 | 0.0 | -22 | 14.7 | 9.0 | |
 76 | -22° | 753 | 4 | 0.4 | -22 | 3.9 | 8.5 | |
 77 | -21° | 785 | 4 | 0.2 | -21 | 59.3 | 9.1 | |
 78 | -21° | 791 | 4 | 2.0 | -21 | 31.3 | 8.2 | |

46	Friday, Nov. 1, 1912.										47
	No. Int. Class Remark										
55	4	A									
56	2	F2									
57	3	G5									
58	10	A3									
59	1	K0									
60	1	G									
61	1	K0									
62	2	G0									
63	2	G									
64	8	F									
65	8	K0									
66	3	K0									
67	4	G5									
68	3	K0									
69	2	A5									
70	5	F2									
71	1	K0									
72	1	G5									
73	2	A3									
74	10	A3									
75	2	G5									
76	6	G0									
77	1	K5									
78	6	G5									
79	3	K0									
80	3	A5									
81	4	F5									

79|-21°|792|4|2.5|-21|54.7|8.7||
80|-22°|760|4|2.1|-22|16.9|9.0||
81|-22°|763|4|2.6|-22|13.5|8.7||
Cards made out

Project PHaEDRA - Annie Jump Cannon 54
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48

Friday, Nov. 1, 1912.
B41089 short disp.

[[4 column table]]
No. | Int. | Class | Remark

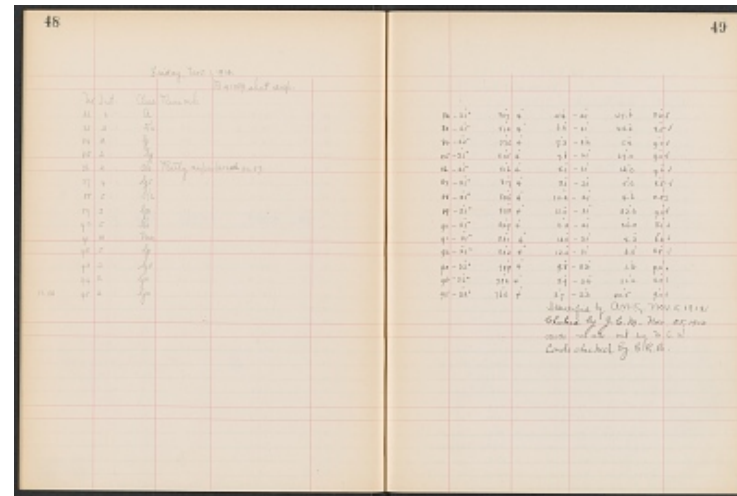
82	6	A	
83	3	K0	
84	2	G	
85	2	G	
86	2	K0	Partly superposed on 87.
87	4	G5	
88	5	K2	
89	3	G0	
90	5	K0	
91	10	Ma	
92	5	G	
93	2	G5	
94	2	G0	
[[left margin]] 11.00 [[/left margin]] 95 2 G0			

49

[[5 column table]]

82	-21° 807	4 5.4	-21 47.6	8.2	[[checkmark]]
83	-21° 812	4 6.6	-21 44.4	8.5	[[checkmark]]
84	-22° 776	4 7.3	-22 5.4	9.0	[[checkmark]]
85	-21° 815	4 7.8	-21 27.0	9.0	[[checkmark]]
86	-21° 816	4 8.1	-21 12.0	9.0	[[checkmark]]
87	-21° 817	4 8.1	-21 5.6	8.5	[[checkmark]]
88	-21° 826	4 10.2	-21 4.6	8.5	[[checkmark]]
89	-21° 828	4 11.0	-21 22.6	9.0	[[checkmark]]
90	-21° 829	4 11.3	-21 36.8	8.1	[[checkmark]]
91	-21° 831	4 12.0	-21 4.2	6.2	[[checkmark]]
92	-21° 832	4 12.2	-21 6.8	8.8	[[checkmark]]
93	-22° 789	4 9.8	-22 1.2	9.0	[[checkmark]]
94	-22° 782	4 8.9	-22 21.2	8.8	[[checkmark]]
95	-22° 766	4 3.7	-22 40.5	9.0	[[checkmark]]

Identified by A.M.C. Nov. 5, 1912
Checked by J.C.M. Nov. 25, 1912
Cards made out by M.C.W.
Cards checked by G.R.B.



Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

50

Friday, ~~Oct. 1~~ Nov. 1, 1912.
Time: 11.04 | B20526 short disp.

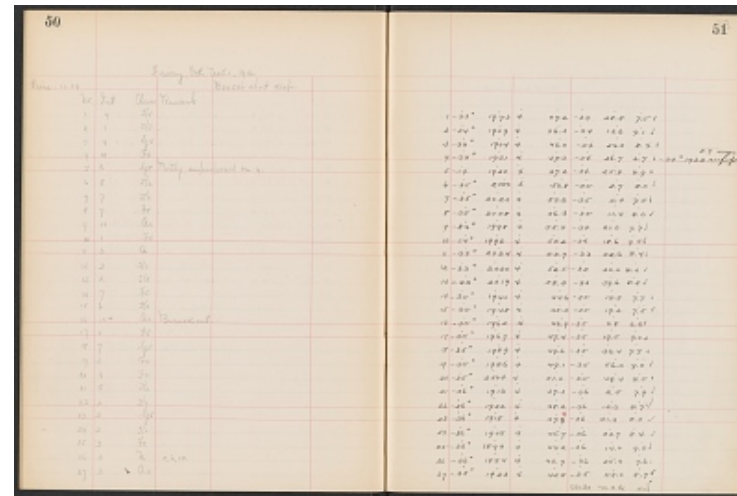
[[4 columned table]]
No. | Int. | Class | Remark

1	4	K5	
2	1	K5	
3	4	G5	
4	10	F5	
5	2	G5	Partly superposed on 4.
6	5	K0	
7	7	K0	
8	7	F5	
9	10	A0	
10	1	F5	
11	3	A	
12	3	K0	
13	2	K2	
14	7	F5	
15	6	K0	
16	10+	A0	Burned out
17	1	F5	
18	7	G5	
19	2	F0	
20	4	F0	
21	5	K0	
22	2	K0	
23	3	G5	
24	3	K0	
25	3	F2	
26	3	N	0.6, 10.
27	3	A2	

51

[[5 column table]]

1	-33° 1973	4 47.2	-33 28.8	7.5	[[checkmark]]
2	-34° 1909	4 46.3	-34 13.6	9.1	[[checkmark]]
3	-34° 1904	4 46.0	-34 24.0	8.4	[[checkmark]]
4	-34° 1921	4 47.3	-34 26.7	6.7	[[checkmark]] -34° 1922 ^[[8.7 magn.]] superposed
5	-34° 1920	4 47.2	-34 25.8	8.9	[[checkmark]]
6	-35° 2000	4 50.8	-35 2.7	8.0	[[checkmark]]
7	-35° 2023	4 53.2	-35 5.4	7.5	[[checkmark]]
8	-35° 2058	4 56.3	-35 11.4	8.0	[[checkmark]]
9	-34° 1998	4 55.4	-34 21.0	7.7	[[checkmark]]
10	-34° 1996	4 55.2	-34 18.6	9.5	[[checkmark]]
11	-33° 2034	4 53.7	-33 52.6	8.4	[[checkmark]]
12	-33° 2020	4 52.5	-33 30.0	8.0	[[checkmark]]
13	-33° 2019	4 52.3	-33 39.6	8.3	[[checkmark]]
14	-35° 1940	4 44.6	-35 18.8	7.7	[[checkmark]]



15	-35° 1948	4 45.3	-35 19.2	7.5	[[checkmark]]
16	-35° 1962	4 46.9	-35 6.8	6.2	[[checkmark]]
17	-35° 1967	4 47.4	-35 19.5	9.0	[[checkmark]]
18	-35° 1989	4 49.6	-35 36.4	7.7	[[checkmark]]
19	-35° 1986	4 49.1	-35 56.0	9.0	[[checkmark]]
20	-35° 2004	4 51.0	-35 49.4	8.5	[[checkmark]]
21	-36 1916	4 47.3	-36 2.5	7.9	[[checkmark]]
22	-36° 1922	4 48.2	-36 12.0	8.7	[[checkmark]]
23	-36° 1918	4 47. [[strikethrough]]	9 [[/strikethrough]] ^{[[8]]}	-36 31.4	
8.3	[[checkmark]]				
24	-36° 1908	4 45.7	-36 33.7	8.4	[[checkmark]]
25	-36° 1894	4 44.2	-36 14.0	9.0	[[checkmark]]
26	-36° 1884	4 42.9	-36 25.4	7.6	[[checkmark]]
27	-35° 1923	4 42.8	-35 55.0	8.7	[[checkmark]]

Cards made out

Project PHaEDRA - Annie Jump Cannon 54
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52
Friday, Nov. 1, 1912
B 20526 short disp.

[[4 column table]]
No.|Int.|Class|Remark
28|5|K0|
29|4|K0|
30|6|K5|
31|5|F5|
32|4|K0|
33|2|K0| The n.p. of [[two?]].
34|1|K0|
35|10|F5|
36|9|A3|
37|3|A3|
38|1|K1|
39|5|F5|
40|8|A0|
41|3|F0|
42|3|F0|
43|1|Ma|
44|3|F8|
45|2|K0|
46|1|K0|
Time 11.11 47|3|K5|
48|
49|

52		53	
Sunday, Nov. 1, 1912			
28	5	29	4
30	6	31	5
31	5	32	4
32	4	33	2
33	2	34	1
34	1	35	10
35	10	36	9
36	9	37	3
37	3	38	1
38	1	39	5
39	5	40	8
40	8	41	3
41	3	42	3
42	3	43	1
43	1	44	3
44	3	45	2
45	2	46	1
46	1	47	3
47	3	48	
48		49	

53
[[5 column table]]
28|-36° 1879|4 41.9|-36 2.0| 7.5
29|-36° 1862|4 39.9|-36 41.1| 8.3
30|-37° 1894|4 42.2|-37 40.7| 7.3
31|-37° 1903|4 44.2|-37 39.5| 8.3
32|-37° 1912|4 46.0|-37 18.0| 8.3
33|-36° 1899|4 44.3|-36 55.4| 8.5
34|-36° 1912|4 46.0|~~9~~|-36 57.0| 8.7
35|-38° 1762|4 46.2|-38 46.6| 7.3
36|-36° 1774|4 47.4|-38 48.6| 7.5
37|-39° 1660|4 46.5|-39 3.9| 9.2
38|-39° 1659|4 46.4|-39 13.8| 9.0
39|-39° 1656|4 45.9|-39 24.3| 8.0
40|-39° 1658|4 46.3|-39 42.9| 8.3
41|-40° 1615|4 46.9|-40 1.4| 8.7
42|-40° 1618|4 47.4|-40 37.4| 9.1
43|-40° 1611|4 46.6|-36 25.4| 8.4
44|-38° 1744|4 43.4|-38 16.4| 8.9
45|-35° 2041|4 54.8|-35 51.4| 8.7
46|-35° 2052|4 55.9|-35 55.9| 8.7
47|-35° 2024|4 53.3|-35 23.4| 8.5
Identified by J.C.M. Nov. 25, 1912.
Checked by AMC Nov. 26, 1912
cards made and by M.C.W.,
Cards checked by B.R.B.

Project PHaEDRA - Annie Jump Cannon 54
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Saturday, Nov. 2, 1912
Time 9.22 B12259 short disk ([?]) Bh52, 86)

[[4 column table]]
No.|Int.|Class|Remark
96|2|K0|
97|2|K5|E.
98|2|G|E.
99|1|F|
100|1|F2|
101|1|K|
102|2|K2|
103|1|G|
104|3|A5|
105|2|F8|
106|2|G|
107|1|G|
108|2|K5|
109|4|A2|
110|2|K5|
111|2|F0|
112|1|G5|
113|2|F0|
114|1|K0|
115|2|K0|
116|1|K0|
117|1|K5|

Time: 9.26 118|1|K0|
[[~~119~~]]
cont on page 212

54		55	
<p>Time 9.22</p> <p>[[4 column table]]</p> <p>No. Int. Class Remark</p> <p>96 2 K0</p> <p>97 2 K5 E.</p> <p>98 2 G E.</p> <p>99 1 F</p> <p>100 1 F2</p> <p>101 1 K</p> <p>102 2 K2</p> <p>103 1 G</p> <p>104 3 A5</p> <p>105 2 F8</p> <p>106 2 G</p> <p>107 1 G</p> <p>108 2 K5</p> <p>109 4 A2</p> <p>110 2 K5</p> <p>111 2 F0</p> <p>112 1 G5</p> <p>113 2 F0</p> <p>114 1 K0</p> <p>115 2 K0</p> <p>116 1 K0</p> <p>117 1 K5</p>		<p>Time 9.26</p> <p>[[4 column table]]</p> <p>No. Int. Class Remark</p> <p>118 1 K0</p> <p>119 1 K0</p> <p>120 1 K0</p> <p>121 1 K0</p> <p>122 1 K0</p> <p>123 1 K0</p> <p>124 1 K0</p> <p>125 1 K0</p> <p>126 1 K0</p> <p>127 1 K0</p> <p>128 1 K0</p> <p>129 1 K0</p> <p>130 1 K0</p> <p>131 1 K0</p> <p>132 1 K0</p> <p>133 1 K0</p> <p>134 1 K0</p> <p>135 1 K0</p> <p>136 1 K0</p> <p>137 1 K0</p> <p>138 1 K0</p> <p>139 1 K0</p> <p>140 1 K0</p> <p>141 1 K0</p> <p>142 1 K0</p> <p>143 1 K0</p> <p>144 1 K0</p> <p>145 1 K0</p> <p>146 1 K0</p> <p>147 1 K0</p> <p>148 1 K0</p> <p>149 1 K0</p> <p>150 1 K0</p> <p>151 1 K0</p> <p>152 1 K0</p> <p>153 1 K0</p> <p>154 1 K0</p> <p>155 1 K0</p> <p>156 1 K0</p> <p>157 1 K0</p> <p>158 1 K0</p> <p>159 1 K0</p> <p>160 1 K0</p> <p>161 1 K0</p> <p>162 1 K0</p> <p>163 1 K0</p> <p>164 1 K0</p> <p>165 1 K0</p> <p>166 1 K0</p> <p>167 1 K0</p> <p>168 1 K0</p> <p>169 1 K0</p> <p>170 1 K0</p> <p>171 1 K0</p> <p>172 1 K0</p> <p>173 1 K0</p> <p>174 1 K0</p> <p>175 1 K0</p> <p>176 1 K0</p> <p>177 1 K0</p> <p>178 1 K0</p> <p>179 1 K0</p> <p>180 1 K0</p> <p>181 1 K0</p> <p>182 1 K0</p> <p>183 1 K0</p> <p>184 1 K0</p> <p>185 1 K0</p> <p>186 1 K0</p> <p>187 1 K0</p> <p>188 1 K0</p> <p>189 1 K0</p> <p>190 1 K0</p> <p>191 1 K0</p> <p>192 1 K0</p> <p>193 1 K0</p> <p>194 1 K0</p> <p>195 1 K0</p> <p>196 1 K0</p> <p>197 1 K0</p> <p>198 1 K0</p> <p>199 1 K0</p> <p>200 1 K0</p>	

55

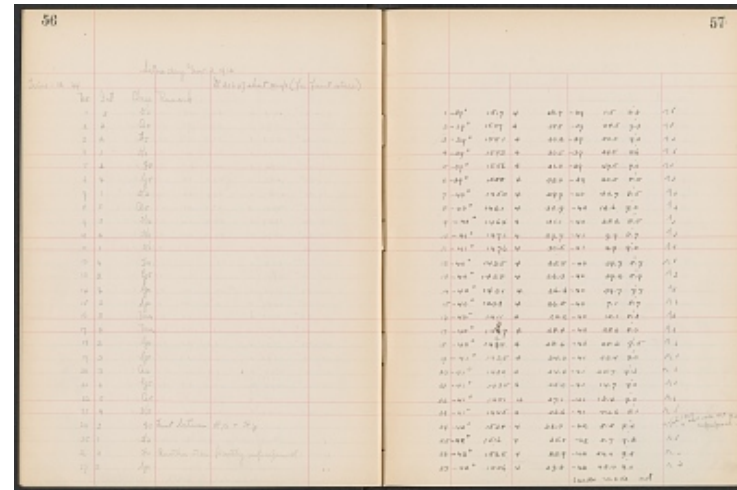
[[5 column table]]
96|-35° 1511|3 55.7|-35 12.5| 9.0
97|-36° 1554|3 55.4|-36 0.1| 8.6
98|-36° 1550|3 55.2|-36 23.5| 8.5
99|-35° 1516|3 56.4|-35 4.1| 9.2
100|-35° 1492|3 53.4|-35 3.5| 8.9
101|-34° 1472|3 53.2|-34 53.0| 8.5
102|-33° 1476|3 53.9|-33 49.8| 8.4
103|-33° 1484|3 54.5|-33 47.3| 9.0
104|-32° 1569|3 56.2|-32 56.7| 8.5
105|-32° 1570|3 56.3|-32 25.3| 8.7
106|-32° 1543|3 53.1|-32 23.7| 8.8
107|-31° 1622|3 53.7|-31 57.1| 8.5
108|-31° 16[[~~16~~]]2[[~~16~~]]37|3 55.4|-31 48.2| 8.0
109|-32° 1591|3 59.7|-32 49.2| 8.7
110|-33° 1547|4 0.6|-33 8.5| 8.1
111|-32° 1608|[[~~16~~]]3[[~~16~~]]4 1.9|-32 48.1| 9.0
112|-33° 1557|4 2.1|-33 43.0| 8.7
113|-33° 1570|4 3.5|-33 35.8| 9.0
114|-33° 1574|4 4.2|-33 43.5| 8.7
115|-34° 1564|4 7.2|-34 5.4| 8.7
116|-33° [[~~1495~~]]
1549|[[~~1495~~]]3[[~~1495~~]] 4
[[~~1549~~]]56.0|[[~~1549~~]]0.6|-33
[[~~1549~~]]24.6|[[~~1549~~]]55.7|

8.~~9~~
117|-33° 1495~~2~~ 3 56.0|-33 24.6| 8.9
118|-34° 1484|3 56.0|-34 7.9| 8.7

Identified by J.C.M. Nov. 4, 1912
Checked by A.M.C. Nov. 26, 1912
cards made and by M.C.W.
Cards checked by B.R.B

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

56
 Saturday Nov. 2. 1912
 Time: 10.44 B20647 short disp (for faint stars.)
 [[4 column table]]
 No. | Int. | Class | Remark
 1 | 3 | K0 |
 2 | 2 | A0 |
 3 | 2 | F5 |
 4 | 1 | K0 |
 5 | 2 | F8 |
 6 | 4 | G5 |
 7 | 1 | K2 |
 8 | 5 | A5 |
 9 | 3 | K2 |
 10 | 2 | K0 |
 11 | 1 | K0 |
 12 | 4 | F0 |
 13 | 2 | G5 |
 14 | 6 | G0 |
 15 | 3 | G0 |
 16 | 3 | Ma |
 17 | 4 | Ma |
 18 | 2 | G0 |
 19 | 3 | G5 |
 20 | 3 | A2 |
 21 | 4 | G5 |
 22 | 5 | A5 |
 23 | 4 | K2 |
 24 | 2 | F5 | Faint between H beta + H gamma.
 25 | 1 | K2 |
 26 | 3 | F0 | Another star partly superposed
 27 | 2 | G0 |



57
 [[5 column table]]
 1 | -39° | 1517 | 4 26.7 | -39 1.5 | 8.3 | ^
 2 | -39° | 1537 | 4 28.8 | -39 34.5 | 9.3 | ^
 3 | -39° | 1551 | 4 30.2 | -39 30.0 | 9.0 | ^
 4 | -39° | 1553 | 4 30.5 | -39 34.5 | 8.6 | ^
 5 | -39° | 1556 | 4 31.0 | -39 47.5 | 9.0 | ^
 6 | -39° | 1558 | 4 32.0 | -39 40.5 | 8.5 | ^
 7 | -40° | 1453 | 4 29.9 | -40 30.7 | 8.5 | ^
 8 | -40° | 1461 | 4 30.9 | -40 16.6 | 9.0 | ^
 9 | -40° | 1464 | 4 31.1 | -40 28.2 | 8.5 | ^
 10 | -41° | 1471 | 4 29.7 | -41 9.9 | 8.7 | ^
 11 | -41° | 1476 | 4 30.5 | -41 4.9 | 9.0 | ^
 12 | -40° | 1425 | 4 25.8 | -40 39.7 | 8.7 | ^
 13 | -40° | 1428 | 4 26.3 | -40 29.2 | 8.9 | ^
 14 | -40° | 1431 | 4 26.4 | -40 39.7 | 7.7 | ^
 15 | -40° | 1433 | 4 26.8 | -40 7.1 | 8.7 | ^
 16 | -40° | 1411 | 4 24.2 | -40 12.1 | 8.3 | ^
 17 | -40° | 14 | ~~14~~ 47 | 4 28.4 | -40 28.2 | 8.0 | ^
 18 | -40° | 14 | ~~14~~ 48 | 4 28.6 | -40 28.2 | 9.5 | ^
 19 | -41° | 1425 | 4 24.0 | -41 32.4 | 9.0 | ^
 20 | -41° | 1430 | 4 24.4 | -41 25.7 | 9.1 | ^
 21 | -41° | 1435 | 4 25.0 | -41 14.7 | 9.0 | ^
 22 | -41° | 1451 | 4 27.1 | -41 13.4 | 9.0 | ^
 23 | -41° | 1445 | 4 26.6 | -41 44.6 | 8.1 | ^

24|-42° 1528|4 26.0|-42 8.3| 9.4|^ -42° 1529 W 26.0 -W2 10.9 9.3
superposed.
25|-42° 1516|4 25.0|-42 2.7| 9.2|^
26|-42° 1525|4 25.9|-42 24.4| 9.3|^
27|-42° 1536|4 27.3|-42 43.4| 9.0|^
cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

58
 Saturday, Nov. 2, 1912.
 B20647 short disp
 [[4 column table]]
 No.|Int.|Class|Remark|
 28|2|G0| |
 29|1|F0| |
 30|4|K5|Perhaps Ma.|
 31|3|G0| |
 32|4|G5| |
 33|2|F0| |
 34|2|A2| |
 35|1|G0| |
 36|1|K| |
 37|2|K0| |
 38|1|G5| |
 39|1|F5| |
 40|1|F0| |
 41|2|G0| |
 42|1|A5| |
 43|5|G5| |
 44|3|F8| |
 45|2|F5| |
 46|2|F5| |
 47|3|F8| |
 48|4|A3| |
 49|3|A2| |
 50|7|F0|Another star superposed.|
 51|6|F5| |
 52|3|K0| |
 53|5|A3| |
 54|2|F5| |
 [[/4 column table]]

59
 [[9 column table]]
 28|-42° 1545.4|28.5|-42|46.3|9.1|^|
 29|-43° 1454.4|26.5|-43|6.1|9.1|^|
 30|-43° 1466.4|28.7|-43|42.0|8.0|^|
 31|-44° 1625.4|31.4|-44|15.2|9.3|^|
 32|-44° 1605.4|28.4|-44|13.3|8.8|^|
 33|-43° 1482.4|31.0|-43|52.0|9.4|^|
 34|-43° 1481.4|30.9|-43|18.3|9.7|^|
 35|-43° 1474.4|30.2|-43|4.0|9.4|^|
 36|-42° 1560.4|30.9|-42|36.4|9.4|^|
 37|-42° 1564.4|31.6|-42|15.2|9.2|^|
 38|-41° 1481.4|31.2|-41|59.4|9.0|^|
 39|-41° 1496.4|32.8|-41|30.7|9.2|^|
 40|-
 4[[/strikethrough]]0[[/strikethrough]]1° 148[[/strikethrough]]3[[/strikethrough]]
 5|4|[[/strikethrough]]33.3[[/strikethrough]]31.7|-
 4[[/strikethrough]]0[[/strikethrough]]1[[/strikethrough]]47.1[[/strikethrough]]
 8.4|9.1[[/strikethrough]]1[[/strikethrough]]3|^|
 41|-
 40°|[[/strikethrough]]1615[[/strikethrough]]1488|4[[/strikethrough]]46.9[[/strikethrough]]33.7|-
 40|[[/strikethrough]]1.4,55.1[[/strikethrough]]47.1|9.1[[/strikethrough]]1[[/strikethrough]]3|^|
 42|-
 40°|[[/strikethrough]]1618[[/strikethrough]]1490|4[[/strikethrough]]47.4[[/strikethrough]]33.7|-40|[[/strikethrough]]37.4[[/strikethrough]]55.3|9.6|^|

58	59
<p>Letting the sun</p> <p>28 2 G0</p> <p>29 1 F0</p> <p>30 4 K5 Perhaps Ma.</p> <p>31 3 G0</p> <p>32 4 G5</p> <p>33 2 F0</p> <p>34 2 A2</p> <p>35 1 G0</p> <p>36 1 K</p> <p>37 2 K0</p> <p>38 1 G5</p> <p>39 1 F5</p> <p>40 1 F0</p> <p>41 2 G0</p> <p>42 1 A5</p> <p>43 5 G5</p> <p>44 3 F8</p> <p>45 2 F5</p> <p>46 2 F5</p> <p>47 3 F8</p> <p>48 4 A3</p> <p>49 3 A2</p> <p>50 7 F0 Another star superposed.</p> <p>51 6 F5</p> <p>52 3 K0</p> <p>53 5 A3</p> <p>54 2 F5</p>	<p>28 2 G0</p> <p>29 1 F0</p> <p>30 4 K5</p> <p>31 3 G0</p> <p>32 4 G5</p> <p>33 2 F0</p> <p>34 2 A2</p> <p>35 1 G0</p> <p>36 1 K</p> <p>37 2 K0</p> <p>38 1 G5</p> <p>39 1 F5</p> <p>40 1 F0</p> <p>41 2 G0</p> <p>42 1 A5</p> <p>43 5 G5</p> <p>44 3 F8</p> <p>45 2 F5</p> <p>46 2 F5</p> <p>47 3 F8</p> <p>48 4 A3</p> <p>49 3 A2</p> <p>50 7 F0</p> <p>51 6 F5</p> <p>52 3 K0</p> <p>53 5 A3</p> <p>54 2 F5</p>

43|-
 40°|~~1611~~|~~1498~~|4|~~47.6~~|~~34.5~~-
 40|~~25.4~~|~~50.5~~|8.|~~7~~|
 44|-40°|1501|4|34.6|-40|50.4|9.4|^|
 45|-40°|1503|4|34.7|-40|48.1|9.5|^|
 46|-40°|1502|4|34.6|-40|37.6|9.4|^|
 47|-40°|1499|4|34.3|-40|27.6|8.7|^|
 48|-40°|1504|4|34.9|-40|11.6|9.0|^|
 49|-40°|1518|4|36.5|-40|39.6|8.9|^|
 50|-40°|1521|4|36.6|-40|6.0|8.3|-40° 1520 9.0 superposed. magn.^|
 51|-39°|1590|4|36.8|-39|49.5|7.5|^|
 52|-39°|1601|4|38.4|-39|5.4|8.0|^|
 53|-38°|1703|4|37.9|-38|47.2|8.4|^|
 54|-38°|1731|4|42.7|-38|42.0|9.7|^|
 [9 column table]
 Cards made out

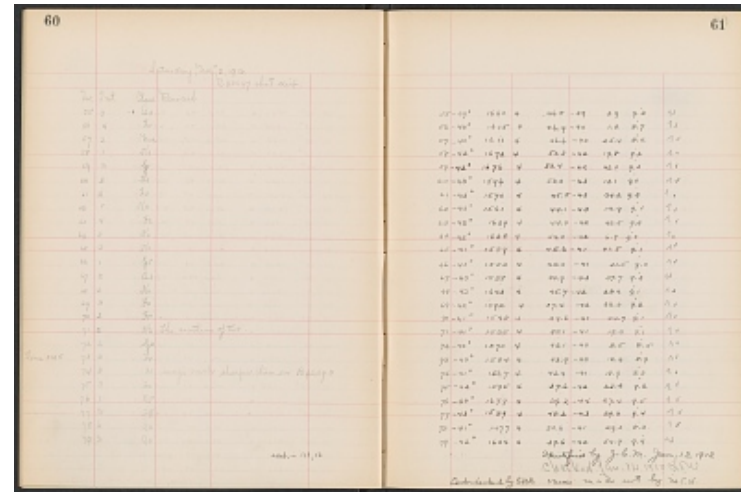
Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

60
 Saturday, Nov. 2, 1912.
 B20647 short disk
 No. | Int. Class | Remark
 55 | 3 A3
 56 | 4 F5
 57 | 2 Ma
 58 | 1 K0
 59 | 2 G
 60 | 3 K0
 61 | 2 F5
 62 | 1 K0
 63 | 4 F2
 64 | 3 K0
 65 | 2 K0
 66 | 1 G5
 67 | 2 A3
 68 | 2 K0
 69 | 3 F0
 70 | 2 F5
 71 | 2 K2 The southern of two.
 72 | 2 G0
 Time: 11.05 73 | 2 F5
 74 | 3 F5 Image much sharper than one B42090
 75 | 3 F0
 76 | 1 K5
 77 | 2 F8
 78 | 6 A3
 79 | 2 A0

cont. in 131,12

61

55	-39°	1660	4	46.5	-39	3.9	9.2	^
56	-40°	1615	4	46.9	-40	1.4	8.7	^
57	-40°	1611	4	46.6	-40	25.4	8.4	^
58	-42°	1672	4	50.3	-42	19.8	9.2	^
59	-42°	1676	4	50.4	-42	42.0	9.3	^
60	-43°	1596	4	50.0	-43	13.1	9.0	^
61	-43°	1570	4	45.5	-43	34.2	9.3	^
62	-43°	1561	4	44.1	-43	14.9	9.1	^
63	-42°	1629	4	44.0	-42	40.5	9.3	^
64	-42°	1628	4	44.0	-42	6.7	9.0	^
65	-41°	1589	4	45.6	-41	41.5	9.1	^
66	-41°	1583	4	45.0	-41	41.5	9.0	^
67	-43°	1538	4	40.9	-43	37.7	9.3	^
68	-42°	1643	4	45.7	-42	28.4	9.1	^
69	-42°	1592	4	37.4	-42	36.0	9.2	^
70	-41°	1548	4	39.6	-41	44.7	9.1	^
71	-41°	1535	4	88.1	-41	17.3	9.1	^
72	-40°	1570	4	42.1	-40	8.5	8.5	^
73	-40°	1584	4	43.9	-40	12.4	8.9	^
74	-41°	1567	4	42.4	-41	18.9	8.3	^
75	-42°	1595	4	37.6	-42	22.3	9.2	^
76	-44°	1677	4	39.2	-44	27.4	9.5	^
77	-43°	1589	4	48.2	-43	29.6	9.4	^
78	-41°	1477	4	30.6	-41	29.0	8.3	^



79|-42°|1604|4 39.6|-42 54.7 9.4|^| |

Identified by J.C.M. Jan. 13, 1913.

Checked Jan. 14, 1913 LDW

Cards checked by B.R.B. cards made out by M.C.W.

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

62

Friday Nov. 8, 1912.
Time: 10.48 | 138108 (for faint stars)

[[4 column table]]

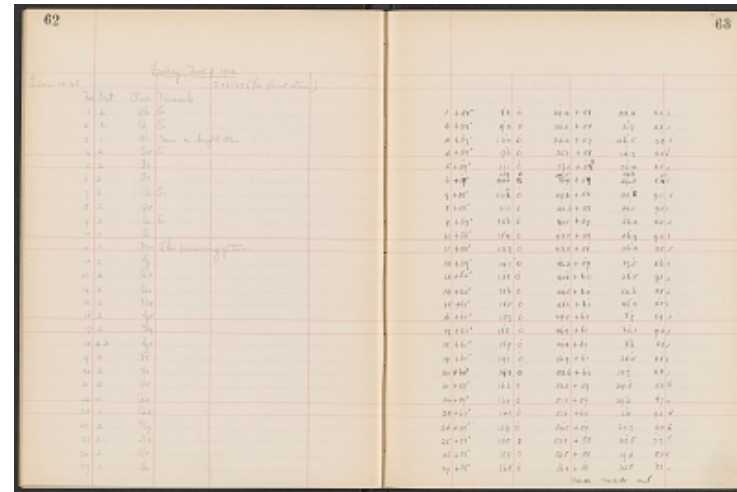
No. | Int. | Class | Remark

1	2	K0	epsilon
2	2	A	epsilon
3	1	K0	Near a bright star.
4	2	A5	epsilon
5	2	F0	
6	2	F2	
7	2	A	epsilon
8	2	F5	
9	3	A	epsilon
10	1	A	
11	1	Ma	The preceding of two.
12	2	G	
13	2	A2	
14	2	A0	
15	3	B8	
16	2	G5	
17	3	B9	
18	2	G5	
19	3	F8	
20	3	F5	
21	3	F5	
22	3	A0	
23	1	A2	
24	2	B9	
25	2	K2	
26	2	K0	
27	1	A	

63

[[5 column table]]

1	+58° 83	0 29.4	+58 22.4	8.0	[[checkmark]]
2	+58° 93	0 32.8	+58 3.7	8.8	[[checkmark]]
3	+57° 130	0 34.2	+57 46.5	7.9	[[checkmark]]
4	+58° 96	0 35.1	+58 14.7	8.5	[[checkmark]]
5	+59° 111	0 36.5	+5 [[strikethrough]] 8	[[strikethrough]] 9	30.4
6	+59°	[[strikethrough]] 201	0 5.9	[[strikethrough]] 119	0 39.5
7	+59	[[strikethrough]] 59.0	[[strikethrough]] 31.8	8	[[strikethrough]] 5
8	+58° 10	[[strikethrough]] 2	[[strikethrough]] 4	0 39.2	+58 30.8
9					
10	+58° 110	0 40.3	+58 49.1	9.0	[[checkmark]]
11	+57° 156	0 41.5	+57 58.2	8.5	[[checkmark]]
12	+58° 124	0 43.5	+58 46.9	9.0	[[checkmark]]
13	+58° 127	0 43.8	+58 56.2	8.8	[[checkmark]]



12		+59° 141		0 46.2		+59 17.5		8.6	[[checkmark]]
13		+60° 128		0 45.8		+60 26.5		9.1	[[checkmark]]
14		+60° 126		0 44.5		+60 50.6		8.8	[[checkmark]]
15		+61° 185		0 48.6		+61 46.2		8.5	[[checkmark]]
16		+61° 187		0 49.5		+61 8.7		8.9	[[checkmark]]
17		+61° 188		0 49.9		+61 20.1		9.3	[[checkmark]]
18		+61° 189		0 50.4		+61 8.6		8.3	[[checkmark]]
19		+61° 191		0 50.9		+61 28.5		8.8	[[checkmark]]
20		+60° 143		0 52.6		+60 15.7		8.8	[[checkmark]]
21		+59° 166		0 52.3		+59 34.5		8.0	[[checkmark]]
22		+59° 163		0 51.8		+59 39.6		8.7	[[checkmark]]
23		+60° 141		0 51.6		+60 1.4		9.3	[[checkmark]]
24		+59° 169		0 54.0		+59 20.7		9.0	[[checkmark]]
25		+58° 155		0 53.8		+58 30.5		7.7	[[checkmark]]
26		+58° 158		0 54.5		+58 19.4		8.0	[[checkmark]]
27		+58° 165		0 56.3		+58 32.5		8.8	[[checkmark]]

Cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

Friday, Nov.8, 1912.

138108
[[4 column table]]
|No.|Int.|Class|Remark|

```

28|2|B9|
29|4|A0|
30|2|G0|
31|2|G5|
32|2|G0|
33|2|B0|
34|3|B9|
35|1|K|
36|2|Ma|
37|4|B9|
38|1|A|
39|3|K0|
40|4|G0|
41|3|B9|
42|2|G5|
43|3|A2|E.|
44|2|A|E.|
45|3|B9|
46|4|F0|
47|2|F0|
48|3|K0|
49|3|A|
50|2|K0|
51|2|B?|Get short disp. H gamma, H delta narrow. Otherwise almost
cont.
52|2|A0|
53|3|A3|
54|2|F2|

```

65

```
[[6 column table]]
28+59° 180|0 57.2|+59 31.7| 9.0| |
29+60° 162|0 56.9|+60 0.2| 8.3| |
30+60° 146|0 53.7|+60 48.4| 8.5| |
31+60° 153|0 54.2|+60 59.7| 8.3| |
32+61° 198|0 54.6|+61 9.9| 9.0| |
33+61° 200|0 55.1|+61 2.7| 8.5| |
34+61° 202|0 55.3|+61 38.3| 8.6| |
35+61° 201|0 55.2|+61 57.3| 9.0| |
36+61° 211|0 58.8|+61 52.4| 8.3| |
37+61° 212|0 58.8|+61 33.4| 8.8| |
38+61° 213|0 59.2|+61 29.0| 9.1| |
39+61° 217|[[crossed out]]0|[[crossed out]]1 1.0|+61 56.5| 8.3| |
40+60° 170|[[crossed out]]0|[[crossed out]]1 0.4|+60 46.2| 7.8| |
41+61° 218|1 1.1|+61 2.4| 8.3| |
42+59° 188|0 59.3|+59 21.7| 8.0| |
43+58° 181|1 1.5|+58 11.4| 8.2| |
44+57° 224|1 5.3|+57 31.4| 8.2| |
45+58° 203|1 6.6|+58 31.5| 7.9| |
46+58° 201|1 5.9|+58 59.0| 8.0| |
```

64		65	
Spring Creek, Ga.			
2,200 ft.			
100	2.5	100	2.5
101	2.5	101	2.5
102	2.5	102	2.5
103	2.5	103	2.5
104	2.5	104	2.5
105	2.5	105	2.5
106	2.5	106	2.5
107	2.5	107	2.5
108	2.5	108	2.5
109	2.5	109	2.5
110	2.5	110	2.5
111	2.5	111	2.5
112	2.5	112	2.5
113	2.5	113	2.5
114	2.5	114	2.5
115	2.5	115	2.5
116	2.5	116	2.5
117	2.5	117	2.5
118	2.5	118	2.5
119	2.5	119	2.5
120	2.5	120	2.5
121	2.5	121	2.5
122	2.5	122	2.5
123	2.5	123	2.5
124	2.5	124	2.5
125	2.5	125	2.5
126	2.5	126	2.5
127	2.5	127	2.5
128	2.5	128	2.5
129	2.5	129	2.5
130	2.5	130	2.5
131	2.5	131	2.5
132	2.5	132	2.5
133	2.5	133	2.5
134	2.5	134	2.5
135	2.5	135	2.5
136	2.5	136	2.5
137	2.5	137	2.5
138	2.5	138	2.5
139	2.5	139	2.5
140	2.5	140	2.5
141	2.5	141	2.5
142	2.5	142	2.5
143	2.5	143	2.5
144	2.5	144	2.5
145	2.5	145	2.5
146	2.5	146	2.5
147	2.5	147	2.5
148	2.5	148	2.5
149	2.5	149	2.5
150	2.5	150	2.5
151	2.5	151	2.5
152	2.5	152	2.5
153	2.5	153	2.5
154	2.5	154	2.5
155	2.5	155	2.5
156	2.5	156	2.5
157	2.5	157	2.5
158	2.5	158	2.5
159	2.5	159	2.5
160	2.5	160	2.5
161	2.5	161	2.5
162	2.5	162	2.5
163	2.5	163	2.5
164	2.5	164	2.5
165	2.5	165	2.5
166	2.5	166	2.5
167	2.5	167	2.5
168	2.5	168	2.5
169	2.5	169	2.5
170	2.5	170	2.5
171	2.5	171	2.5
172	2.5	172	2.5
173	2.5	173	2.5
174	2.5	174	2.5
175	2.5	175	2.5
176	2.5	176	2.5
177	2.5	177	2.5
178	2.5	178	2.5
179	2.5	179	2.5
180	2.5	180	2.5
181	2.5	181	2.5
182	2.5	182	2.5
183	2.5	183	2.5
184	2.5	184	2.5
185	2.5	185	2.5
186	2.5	186	2.5
187	2.5	187	2.5
188	2.5	188	2.5
189	2.5	189	2.5
190	2.5	190	2.5
191	2.5	191	2.5
192	2.5	192	2.5
193	2.5	193	2.5
194	2.5	194	2.5
195	2.5	195	2.5
196	2.5	196	2.5
197	2.5	197	2.5
198	2.5	198	2.5
199	2.5	199	2.5
200	2.5	200	2.5

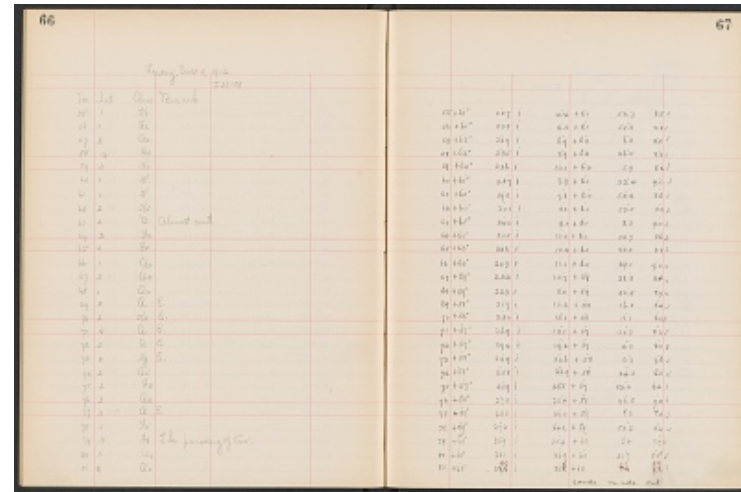
47	+59°	211	1 5.6	+59 14.4	8.7	
48	+59°	220	1 6.4	+59 45.0	8.0	
49	+60°	194	1 6.0	+60 5.6	8.6	
50	+59°	199	1 2.6	+59 44.0	7.9	
51	+61°	223	1 3.4	+61 7.4	8.5	
52	+61°	224	1 3.4	+61 0.2	8.9	
53	+62°	221	1 3.8	+62 13.7	8.8	
54	+62°	222	1 3.9	+62 15.7	9.0	

cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

66
 Friday, Nov. 8, 1912.
 I 38108
 [[4 column table]]
 No. | Int. | Class | Remark
 55 | 1 | K0 |
 56 | 1 | F2 |
 57 | 2 | A0 |
 58 | 4 | A0 |
 59 | 3 | K0 |
 60 | 1 | K |
 61 | 1 | K |
 62 | 2 | K5 |
 63 | 2 | B | Almost out [[?]]
 64 | 3 | F0 |
 65 | 2 | F5 |
 66 | 1 | A0 |
 67 | 3 | A3 |
 69 | 2 | A | E.
 70 | 2 | K0 | E.
 71 | 4 | A | E.
 72 | 3 | A | E.
 73 | 2 | Y | E.
 74 | 2 | A5 |
 75 | 2 | F2 |
 76 | 3 | A2 |
 77 | 3 | A | E.
 78 | 3 | F0 |
 79 | 3 | F8 | The preceding of two. [[?]]
 80 | 2 | A0 |
 81 | 2 | A0 |

67
 [[5 column table]]
 55 | +61° 227 | 14.4 | +61 53.7 | 8.5
 56 | +61° 228 | 14.8 | +61 51.8 | 8.8
 57 | +62° 229 | 16.9 | +62 1.3 | 8.8
 58 | +62° 235 | 18.9 | +62 46.5 | 8.2
 59 | +62° 236 | 110.1 | +62 5.9 | 8.2
 60 | +61° 237 | 17.9 | +61 32.4 | 9.0
 61 | +60° 198 | 17.8 | +60 53.4 | 8.6
 62 | +60° 201 | 18.8 | +60 57.5 | 8.0
 63 | +61° 240 | 19.1 | +61 8.3 | 9.0
 64 | +60° 205 | 110.0 | +60 55.7 | 8.6
 65 | +60° 206 | 110.4 | +60 48.8 | 8.8
 66 | +60° 207 | 111.1 | +60 29.1 | 9.0
 67 | +59° 232 | 110.7 | +59 28.3 | 8.4
 68 | +59° 223 | 18.0 | +59 30.5 | 8.9
 69 | +58° 217 | 110.2 | +58 16.8 | 8.4
 70 | +58° 230 | 115.1 | +58 11.1 | 8.0
 71 | +57° 269 | 113.1 | +57 31.7 | 8.2
 72 | +57° 294 | 119.2 | +57 4.0 | 8.0
 73 | +58° 249 | 120.6 | +58 0.7 | 7.6
 74 | +58° 258 | 122.9 | +58 24.2 | 8.0
 75 | +57° 319 | 123.5 | +57 52.0 | 8.4
 76 | +58° 270 | 128.4 | +58 33.5 | 7.3
 77 | +59° 290 | 128.0 | +59 8.3 | 8.0
 78 | +59° 276 | 124.2 | +59 53.0 | 8.2
 79 | +60° 269 | 125.4 | +60 2.4 | 8.7
 80 | +60° 281 | 126.9 | +60 31.7 | 8.5
 81 | +60° 280 | 126.8 | +60 1.1 | 8.9



cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

Friday, Nov. 8, 1912.
I 38108

[[4 column table]]
No. | Int. | Class | Remark

82	1	K	
83	2	K2	
84	2	A0	epsilon
85	2	K2	
86	3	A2	
87	3	K2	
88	1	F8	
89	2	A2	
90	2	A0	
91	2	K0	
92	1	F8	
93	2	B9	
94	1	K0	
95	3	A0	
96	2	F5	
97	3	B9	
98	2	F2	
99	2	B?	Almost cont.
100	2	F8	
101	2	A0	
102	3	A0	
103	3	A	Partly superposed on 104.
104	2	F5	
105	1	A0	
106	2	G0	
107	1	K0	
108	1	K0	

69

[[5 column table]]

82	+59° 287	1 27.6	+59 57.4	8.5
83	+60° 292	1 28.9	+60 5.0	7.7
84	+60° 305	1 31.9	+60 21.1	9.0
85	+59° 285	1 26.5	+59 28.4	8.4
86	+60° 297	1 29.4	+60 53.3	8.8
87	+61° 303	1 28.1	+61 6.2	8.0
88	+61° 301	1 27.1	+61 4.6	8.2
89	+61° 300	1 27.0	+61 14.9	8.7
90	+61° 286	1 23.0	+61 8.1	8.7
91	+60° 256	1 22.2	+60 37.4	7.7
92	+60° 257	1 22.3	+60 46.3	7.9
93	+60° 240	1 18.5	+60 34.0	9.0
94	+61° 267	1 17.3	+61 6.1	9.1
95	+60° 234	1 15.8	+60 57.0	8.8
96	+61° 263	1 16.7	+61 20.9	9.0

68		69	
Sunday, Dec. 5, 1910		Monday, Dec. 6, 1910	
Sea	Wind	Sea	Wind
00.0	00.0	00.0	00.0
00.1	00.1	00.1	00.1
00.2	00.2	00.2	00.2
00.3	00.3	00.3	00.3
00.4	00.4	00.4	00.4
00.5	00.5	00.5	00.5
01.0	01.0	01.0	01.0
01.1	01.1	01.1	01.1
01.2	01.2	01.2	01.2
01.3	01.3	01.3	01.3
01.4	01.4	01.4	01.4
01.5	01.5	01.5	01.5
02.0	02.0	02.0	02.0
02.1	02.1	02.1	02.1
02.2	02.2	02.2	02.2
02.3	02.3	02.3	02.3
02.4	02.4	02.4	02.4
02.5	02.5	02.5	02.5
03.0	03.0	03.0	03.0
03.1	03.1	03.1	03.1
03.2	03.2	03.2	03.2
03.3	03.3	03.3	03.3
03.4	03.4	03.4	03.4
03.5	03.5	03.5	03.5
04.0	04.0	04.0	04.0
04.1	04.1	04.1	04.1
04.2	04.2	04.2	04.2
04.3	04.3	04.3	04.3
04.4	04.4	04.4	04.4
04.5	04.5	04.5	04.5
05.0	05.0	05.0	05.0
05.1	05.1	05.1	05.1
05.2	05.2	05.2	05.2
05.3	05.3	05.3	05.3
05.4	05.4	05.4	05.4
05.5	05.5	05.5	05.5
06.0	06.0	06.0	06.0
06.1	06.1	06.1	06.1
06.2	06.2	06.2	06.2
06.3	06.3	06.3	06.3
06.4	06.4	06.4	06.4
06.5	06.5	06.5	06.5
07.0	07.0	07.0	07.0
07.1	07.1	07.1	07.1
07.2	07.2	07.2	07.2
07.3	07.3	07.3	07.3
07.4	07.4	07.4	07.4
07.5	07.5	07.5	07.5
08.0	08.0	08.0	08.0
08.1	08.1	08.1	08.1
08.2	08.2	08.2	08.2
08.3	08.3	08.3	08.3
08.4	08.4	08.4	08.4
08.5	08.5	08.5	08.5
09.0	09.0	09.0	09.0
09.1	09.1	09.1	09.1
09.2	09.2	09.2	09.2
09.3	09.3	09.3	09.3
09.4	09.4	09.4	09.4
09.5	09.5	09.5	09.5
10.0	10.0	10.0	10.0
10.1	10.1	10.1	10.1
10.2	10.2	10.2	10.2
10.3	10.3	10.3	10.3
10.4	10.4	10.4	10.4
10.5	10.5	10.5	10.5
11.0	11.0	11.0	11.0
11.1	11.1	11.1	11.1
11.2	11.2	11.2	11.2
11.3	11.3	11.3	11.3
11.4	11.4	11.4	11.4
11.5	11.5	11.5	11.5
12.0	12.0	12.0	12.0
12.1	12.1	12.1	12.1
12.2	12.2	12.2	12.2
12.3	12.3	12.3	12.3
12.4	12.4	12.4	12.4
12.5	12.5	12.5	12.5
13.0	13.0	13.0	13.0
13.1	13.1	13.1	13.1
13.2	13.2	13.2	13.2
13.3	13.3	13.3	13.3
13.4	13.4	13.4	13.4
13.5	13.5	13.5	13.5
14.0	14.0	14.0	14.0
14.1	14.1	14.1	14.1
14.2	14.2	14.2	14.2
14.3	14.3	14.3	14.3
14.4	14.4	14.4	14.4
14.5	14.5	14.5	14.5
15.0	15.0	15.0	15.0
15.1	15.1	15.1	15.1
15.2	15.2	15.2	15.2

97 | +62° 256 | 1 18.1 | +62 0.1 | 8.4
 98 | +61° 266 | 1 17.1 | +61 58.0 | 8.3
 99 | +62° 254 | 1 18.2 | +62 31.0 | 8.0
 100 | +62° 248 | 1 15.9 | +62 50.4 | 8.9
 10~~[[strikethrough]]~~ 2 ~~[[/strikethrough]]~~^{[[1]]} | +62° 243 | 1 13.4 | +62 20.6
 | 8.5
 10~~[[strikethrough]]~~ 3 ~~[[/strikethrough]]~~^{[[2]]} | +60° 221 | 1 13.9 | +60 57.7
 | 8.5
 10~~[[strikethrough]]~~ 4 ~~[[/strikethrough]]~~^{[[3]]} | +60° 213 | 1 12.3 | +60 30.1
 | 8.3
 10~~[[strikethrough]]~~ 5 ~~[[/strikethrough]]~~^{[[4]]} | +60° 214 | 1 12.5 | +60 45.1
 | 8.3
 10~~[[strikethrough]]~~ 6 ~~[[/strikethrough]]~~^{[[5]]} | +59° 228 | 1 9.8 | +59 46.3 |
 9.0
 10~~[[strikethrough]]~~ 7 ~~[[/strikethrough]]~~^{[[6]]} | +61° 250 | 1 11.2 | +61 5.8 |
 9.0
 10~~[[strikethrough]]~~ 8 ~~[[/strikethrough]]~~^{[[7]]} | +61° 247 | 1 10.6 | +61 34.9
 | 9.0
 108 | +62° 241 | 1 12.6 | +62 2.0 | 8.5

Cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
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Friday, Nov. 8, 1912.
138108

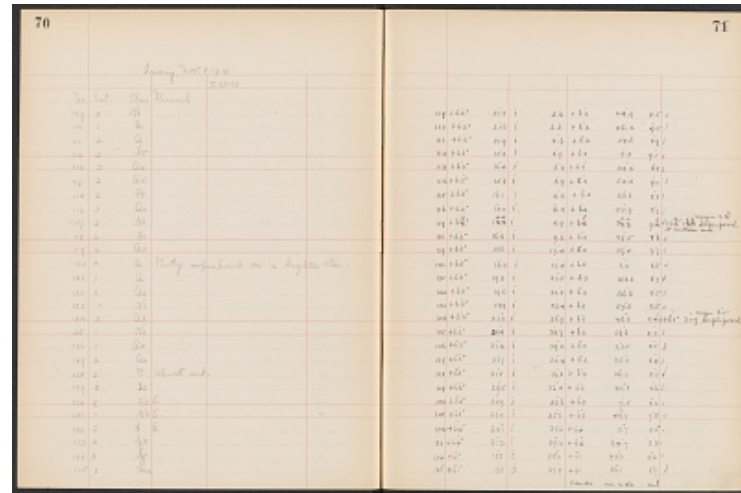
[[4 column table]]
No. | Int. | Class | Remark

109	3	K2	
110	1	A	
111	2	A	
112	3	F5	
113	3	A0	
114	2	A5	
115	2	F8	
116	3	A0	
117	2	K0	
118	2	F0	
119	4	A3	
120	2	A	Partly superposed on a brighter star.
121	1	A	
122	2	A0	
123	1	K0	
124	2	A2	
125	1	K0	
126	1	A3	
127	2	A0	
128	2	B	Almost cont.
129	2	F2	
130	2	K2	epsilon
131	1	K5	epsilon
132	2	F	epsilon
133	2	G5	
134	2	G	
135	1	Ma	

71

[[5 column table]]

109	+62° 218	1 2.4	+62 34.9	8.5	[[checkmark]]
110	+62° 216	1 2.3	+62 46.2	9.5	[[checkmark]]
111	+62° 219	1 2.6	+62 58.6	8.9	[[checkmark]]
112	+63° 153	1 2.9	+63 5.8	9.1	[[checkmark]]
113	+63° 164	1 6.3	+63 33.4	8.8	[[checkmark]]
114	+63° 158	1 3.9	+63 53.4	9.0	[[checkmark]]
115	+63° 161	1 4.8	+63 51.8	8.8	[[checkmark]]
116	+64° 130	1 4.2	+64 50.9	8.7	[[checkmark]]
117	+6[[strikethrough]]	4 [[/strikethrough]]^[[5°]]	1[[strikethrough]]	33	
	[[/strikethrough]]^[[4]]	1 4.9	+6[[strikethrough]]	4 57.7	
	[[/strikethrough]]^[[5 0.6]]	9. [[/strikethrough]]	0 [[/strikethrough]]^[[2]]		
	[[checkmark]]	+6[[strikethrough]]	5 [[/strikethrough]]^[[4°]]		
	1[[strikethrough]]	44 [[/strikethrough]]^[[3]]	^[[magn. 9. [[/strikethrough]]	2	
	[[/strikethrough]]^[[0]]	Superposed	[[at southern end.]]		
118	+63° 168	1 9.2	+63 27.5	8.6	[[checkmark]]



119	+63° 186	1 17.4	+63 57.4	7.7	[[checkmark]]
120	+65° 163	1 17.4	+65 1.0	8.5	[[checkmark]]
121	+63° 192	1 20.5	+63 43.8	8.7	
122	+63° 196	1 21.8	+63 36.6	8.5	
123	+63° 199	1 23.4	+63 57.8	8.5	
124	+63° 210	1 26.7	+63 46.6	8.4	+63° 209 magn. 8.5 superposed
125	+62° 284	1 28.7	+62 58.6	8.3	
126	+63° 214	1 29.2	+63 21.5	8.5	
127	+63° 217	1 30.4	+63 25.0	8.4	
128	+63° 218	1 30.8	+63 26.0	8.0	
129	+62° 295	1 32.4	+62 40.8	8.6	
130	+63° 229	1 33.6	+63 7.5	8.2	
131	+63° 232	1 35.2	+63 49.9	7.8	
132	+64° 231	1 35.6	+64 0.7	8.5	
133	+64° 212	1 29.6	+64 24.7	8.3	
134	+61° 113	0 25.0	+61 43.6	8.6	
135	+61° 128	0 27.9	+61 53.1	8.7	

Cards made out

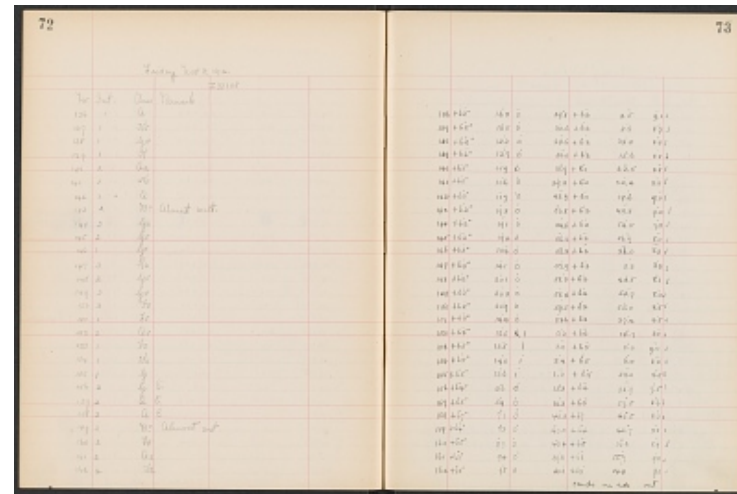
Project PHaEDRA - Annie Jump Cannon 54
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Friday, Nov. 8, 1912
138108

[[4 column table]]			
No.	Int.	Class	Remark
136	1	A	
137	1	K5	
138	1	G5	
139	1	K	
140	2	A2	
141	1	K5	
142	1	A	
143	2	B?	almost cont.
144	3	G0	
145	2	G5	
146	1	G5	
147	3	K2	
148	2	G5	
149	3	G5	
150	3	F8	
151	1	F5	
152	2	A5	
153	1	F2	
154	1	K0	
155	1	G	
156	2	G	E.
157	2	A	E.
158	3	A	E.
159	2	B?	almost cont.
160	2	F8	
161	2	a2	
162	2	J2	

73

[[8 column table]]									
136	+62°	123	0	29.8	+62	3.5	9.1		
137	+62°	125	0	30.6	+62	2.8	8.7		
138	+62°	122	0	29.6	+62	31.8	8.8		
139	+62°	127	0	31.0	+62	15.6	8.8		
140	+61°	159	0	35.9	+61	22.5	8.8		
141	+60°	106	0	39.3	+60	32.4	8.8		
142	+60°	117	0	42.9	+60	19.6	9.0		
143	+62°	178	0	50.8	+62	49.8	9.0		
144	+62°	191	0	54.6	+62	54.5	7.8		
145	+62°	194	0	56.2	+62	56.9	8.0		
146	+63°	134	0	56.3	+63	26.0	8.3		
147	+63°	141	0	57.9	+63	0.3	8.3		
148	+62°	201	0	58.3	+62	43.5	8.1		
149	+62°	203	0	58.4	+62	54.7	8.0		
150	+62°	209	0	59.5	+62	55.0	8.5		
151	+63°	142	0	58.6	+63	37.4	8.5		
152	+64°	125	0	58.7	1	0.2	+64	14.7	8.8
153	+65°	135	1	1.0	+65	0.0	9.0		
154	+65°	140	1	2.4	+65	6.0	8.2		
155	+65°	136	1	1.0	+65	58.0	8.5		
156	+64°	36	0	1.0	+65	58.0	8.5		



157	+65°	54	0	18.4	+65	57.5	8.6
158	+67°	71	0	40.3	+67	40.5	8.0
159	+64°	83	0	40.3	+64	46.7	8.8
160	+65°	97	0	40.4	+65	16.2	8.9
161	+63°	94	0	39.8	+63	55.7	9.0
162	+63°	95	0	40.0	63	54.0	9.0
					cards made out		

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Friday, Nov. 8, 1912.

| | I38108

No. | Int. Class | Remark

163 | 2 | B? | Almost [??]

164 | 1 | A

165 | 1 | F5

166 | 1 | A5?

167 | 2 | A2

168 | 2 | A3

169 | 1 | K0

170 | 1 | K0

171 | 1 | A

172 | 2 | A0 | Another star partly superposed.

173 | 2 | A0

174 | 1 | G

175 | 2 | F0

176 | 1 | G5 | E.

Time 11.36

177 | 1 | K | E.

178 |

179 |

Feb. 15, 1916[^] 178 | 2 | A0

179 | 1 | F8

180 | 1 | G5

181 | 4 | B2

182 | 6 | A0

183 | 5 | A0

75

[5 column table]

163|+63° 97 |0 41.2|+63 50.4 |8.3|

164|+64° 89 |0 44.9|+64 5.6 |9.4|

165|+65° 108|0 46.4|+65 15.2 |9.0|

166|+64° 100|0 47.4|+64 56.7 |9.1|

167|+65° 112|0 47.5|+65 25.1 |8.8|

168|+64° 115|0 53.6|+64 19.7 |8.8|

169|+64° 122|0 57.6|+64 47.7 |8.9|

170|+65° 134|1 0.9|+65 21.5 |9.0|

171|+63° 130|0 54.6|+63 31.0 |9.2|

172|+62° 214|1 1.0|+62 48.0 |9.0|

173|+62° 225|1 4.7|+62 49.1 |9.3|

174|+63° 162|1 5.4|+63 18.2 |9.3|

175|+66° 114|1 16.8|+66 18.7 |8.0|

176|+67° 118|1 13.6|+67 21.1 |8.7|

177|+6[[?]]° 94|0 58.5|+66 42.7 |8.4|

Identified by A.M.C. Nov. 8, 1912

Checked by J.B.W. Nov. 22, 1912

Cards made out by M.C.W.

Cards checked by G.R.B.

178|+59° 156|0 49.2|+59 19 |9.2|75 on I 38060

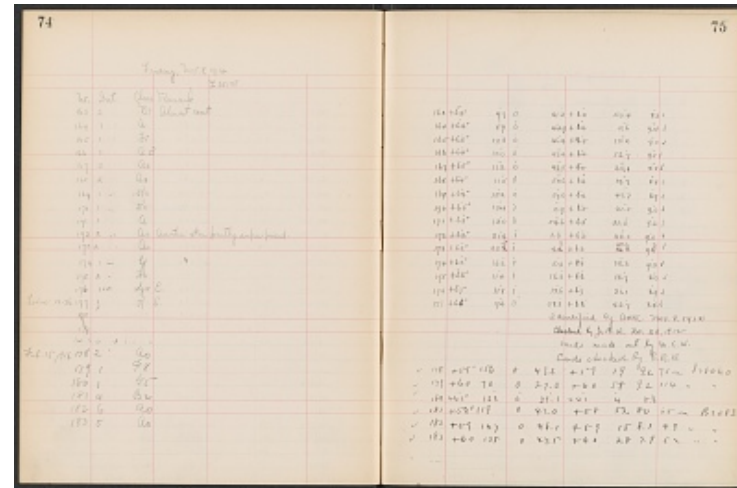
179|+60 70|0 27.0| +60 58 |9.2|114 on I 38060

180|+61° 125|0 27.1|+61 4 |8.3|

181|+58° 119|0 42.0|+58 52 |8.0|65 on B 3083

182|+59 147|0 48.1|+59 15 8.1|49 on B 3083

183|+60 135|0 47.5|+60 28 7.9|52 on B 3083



Project PHaEDRA - Annie Jump Cannon 54
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Extracted Dec-02-2022 11:30:18

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Saturday, Nov. 9, 1912.
Time: 10.23 | 138103

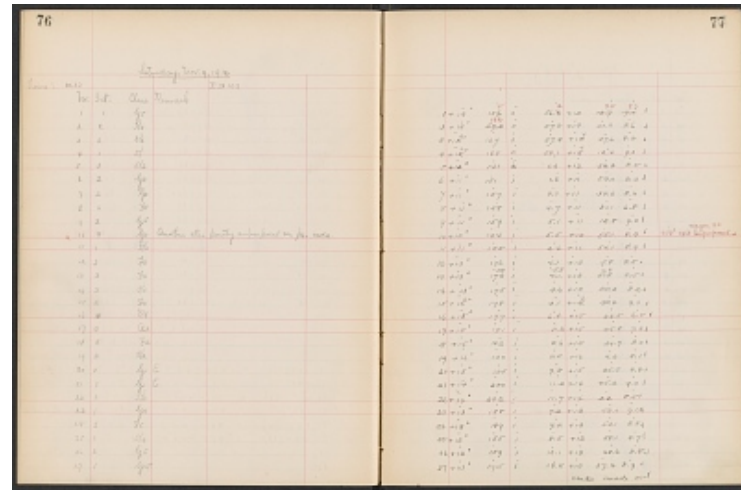
[4 column table]
No. | Int. | Class | Remark

1	1	G5	
2	2	K0	
3	2	K0	
4	1	K	
5	3	K2	
6	2	G0	
7	2	G0	
8	6	F5	
9	2	G5	
10	4	G0	Another star partly superposed on pr. side.
11	1	K0	
12	3	F2	
13	3	F0	
14	3	K0	
15	2	F0	
16	10	B8	
17	3	A2	
18	2	F2	
19	2	K2	
20	1	G	epsilon
21	1	G	epsilon
22	1	K0	
23	1	G0	
24	2	F5	
25	1	K0	
26	2	G5	
27	1	G5	

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[5 column table]

1		+13° 15'	6	5		0 56.	5
4	5	2		+13	12.7	9.0	
	5	9.5	8.7	5	168	58.1	
2		+13°	578	162		0 57.8	+13 20.0
	8.6	5	4	167		0 57.8	
3		+1	5	4	37.6	8.8	5
4		+1	5	4	168	0 58.1	
	12.4	9.0	5	4	12.4	9.0	5
5		+12° 141	0	1	1.6	+12 34.4	
	8.5	151	1	1.6	54.0	8.3	5
6		+11° 157	1 4.0	+11 34.6	8.6	5	
7		+11° 158	1 4.7	+11 31.1	6.8	5	
8		+11° 159	1 5.1	+11 12.8	9.0	5	



10 | +10° 144 | 1 5.5 | +10 55.1 | 8.3 ☒ +10° 143 ^[[magn.
 9.0]] Superposed.
 11 | +11° 155 | 1 2.4 | +11 54.1 | 8.9 ☒
 12 | +13° 176 | 1 4.1 | +13 5.8 | 8.5 ☒
 13 | +13° 1~~[[strikethrough]]~~ 76 ~~[[/strikethrough]]~~^[[83]] | 1 ~~[[strikethrough]]~~
 4.1 ~~[[/strikethrough]]~~^[[5.8]] | +13 ~~[[strikethrough]]~~ 5.8
~~[[/strikethrough]]~~^[[4.6]] | 8.5 ☒
 14 | +13° 175 | 1 3.6 | +13 55.3 | 8.2 ☒
 15 | +1~~[[strikethrough]]~~ 5 ~~[[/strikethrough]]~~^[[4°]] 178 | 1 3.1 |
 +1~~[[strikethrough]]~~ 5 ~~[[/strikethrough]]~~^[[4]] 38.4 | 9.0 ☒
 16 | +15° 177 | 1 6.4 | +15 22.5 | 6.5 ☒
 17 | +15° 181 | 1 8.2 | +15 25.8 | 7.8 ☒
 18 | +15° 182 | 1 8.6 | +15 24.7 | 8.0 ☒
 19 | +16° 130 | 1 8.5 | +16 4.2 | 8.1 ☒
 20 | +15° 185 | 1 9.8 | +15 35.5 | 8.8 ☒
 21 | +14° 200 | 1 11.2 | +14 45.2 | 9.0 ☒
 22 | +14° 202 | 1 11.7 | +14 2.2 | 8.5 ☒
 23 | +13° 188 | 1 7.2 | +13 53.0 | 9.0 ☒
 24 | +13° 189 | 1 7.4 | +13 54.1 | 8.8 ☒
 25 | +12° 155 | 1 8.5 | +12 58.1 | 8.7 ☒
 26 | +12° 159 | 1 10.1 | +12 48.6 | 8.5 ☒
 27 | +13° 195 | 1 10.5 | +13 37.4 | 8.9 ☒

Cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

78

Saturday, Nov. 9, 1912.

I38103

[4 column chart]]

No. | Int. | Class | Remark |

28	1	G0	
29	1	G5	
30	2	G0	E.
31	1	G	E.
32	2	G5	E.
33	2	G5	E.
34	2	G0	E.
35	2	A	E. The northern of two.
36	3	F2	
37	1	K	
38	2	K0	
39	1	G	
40	2	G5	
41	2	F2	
42	3	F2	E.
43	1	F5	E.
44	1	G	E.
45	1	K	E.
46	2	G	E.
47	2	A2	

Time: 10.34 48 | 1 | K2 | |
[[/strikethrough]] 49 [[/strikethrough]] | | |

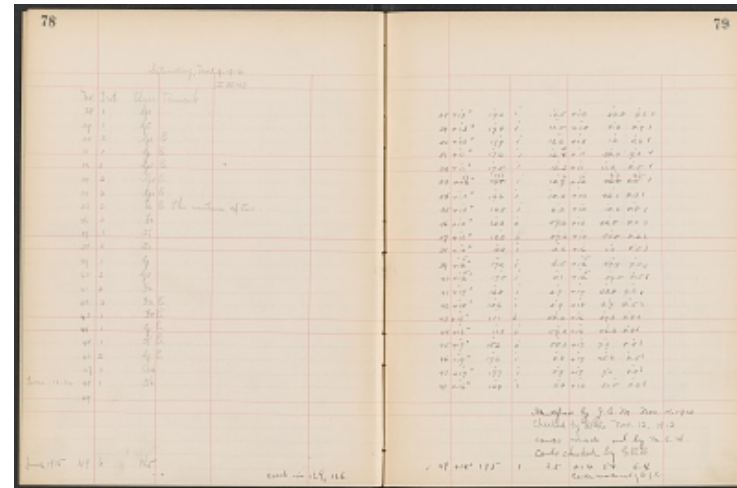
| June 16, 1915 49 | 6 | K5 | |

cont. in 129,116.

79

[5 column table]]

28	+13° 196	1	10.5	+13 23.8	9.0	
29	+13° 198	1	11.5	+13 8.3	8.7	
30	+13° 199	1	12.6	+13 1.6	8.6	
31	+11° 176	1	16. [[/strikethrough]] 4	[[/strikethrough]] 3	+11 38.0	
32	+11° 175	1	16.2	+11 11.3	8.5	
33	+ [[/strikethrough]] 10	[[/strikethrough]] 11°	[[/strikethrough]] 168			
[[/strikethrough]] 171	1	13. [[/strikethrough]] 7	[[/strikethrough]] 6	+		
[[/strikethrough]] 10	[[/strikethrough]] 11	[[/strikethrough]] 46.6				
[[/strikethrough]] 9.3	[[/strikethrough]] 6.5	[[/strikethrough]] 8.5				
34	+10° 166	1	13.2	+10 42.1	8.3	
35	+10° 148	1	6.2	+10 13.4	8.8	
36	+10° 123	0	57.6	+10 32.8	8.0	
37	+10° 122	0	57.6	+10 54.8	8.2	
38	+16° 123	1	3.4	+16 1.0	8.5	
39	+1 [[/strikethrough]] 6	[[/strikethrough]] 5°	172	1	3.5	+1
[[/strikethrough]] 6	[[/strikethrough]] 5	47.6	9.0			



40		+1		6		5° 175		1 5.1		+1
				6		59.5		8.5		
41		+17° 163		1 2.7		+17 23.8		9.0		
42		+18° 156		1 2.9		+18 3.7		8.5		
43		+16° 111		0 58.4		+16 57.3		8.8		
44		+16° 113		0 59.2		+16 56.2		8.8		
45		+17° 152		0 58.0		+17 7.9		8.8		
46		+17° 176		1 8.8		+17 45.6		8.5		
47		+17° 177		1 8.9		+17 7.0		8.8		
48		+16° 129		1 8.4		+16 51.5		8.3		

Identified by J.C.M. Nov. 11, 1912
 Checked by A.M.C. Nov. 12, 1912
 cards made out by M.C.W.
 Cards checked by B.R.B.

| 49 | +14° 175 | 1 2.5 | +14 54 | 6.4 |

cards made out by A.J.C.

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

80

Saturday Nov. 9, 1913
Time: 10.55 | | 138104

No. | Int. | Class | Remark

1 | 2 | K0 |
2 | 3 | F8 |
3 | 3 | A0 |
4 | 3 | F5 | E.
5 | 2 | G0 | E.
6 | 2 | K0 | E.
7 | 2 | K0 | E.
8 | 2 | G5 |
9 | 1 | F5 |
10 | 2 | G0 |
11 | 3 | A0 | E.
12 | 4 | F0 | E.
13 | 2 | A3 |
14 | 2 | A2 |
15 | 3 | A0 |
16 | 1 | [[?]] |
17 | 3 | A5 | E.
18 | 4 | A2 |
19 | 1 | G |
20 | 2 | Y5 |
21 | 1 | [[?]] |
22 | 2 | A2 |

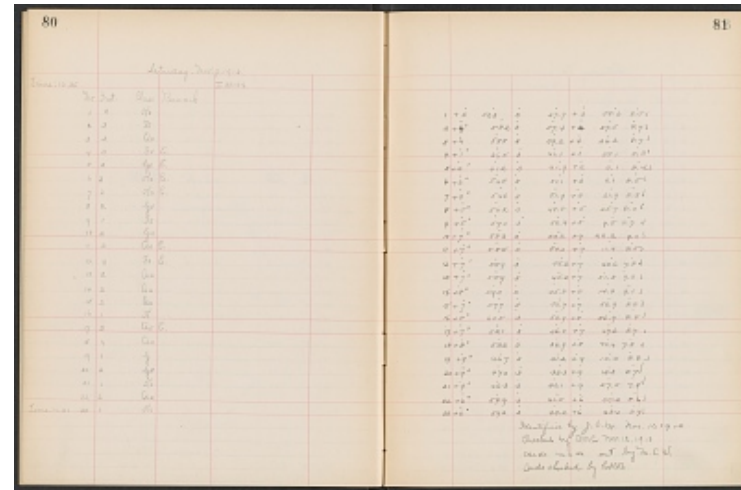
[[Time: 10.41]]^ 23 | 1 | [[?]] |

81

[[5 columned table]]

1	+3° 523	3 37.7	+3 58.6	8.5	[[symbol-check]]
2	+4° 582	3 37.4	+4 37.5	8.7	[[symbol-check]]
3	+4° 588	3 39.2	+4 26.2	8.7	[[symbol-check]]
4	+1° 665	3 41.1	+1 58.1	8.3	[[symbol-check]]
5	+2° 612	3 41.9	+2 3.1	8.4	[[symbol-check]]
6	+3° 545	3 51.1	+3 6.1	8.5	[[symbol-check]]
7	+3° 546	3 51.9	+3 21.9	8.3	[[symbol-check]]
8	+5° 562	3 48.8	+5 25.7	8.0	[[symbol-check]]
9	+5° 570	3 50.4	+5 9.5	8.7	[[symbol-check]]
10	+7° 583	3 53.2	+7 26.2	9.0	[[symbol-check]]
11	+7° 585	3 54.0	+7 11.4	8.5	[[symbol-check]]
12	+7° 589	3 55.2	+7 43.6	7.8	[[symbol-check]]
13	+7° 559	3 45.2	+7 51.3	9.0	[[symbol-check]]
14	+8° 593	3 45.8	+8 14.4	9.1	[[symbol-check]]
15	+7° 577	3 50.7	+7 56.9	8.8	[[symbol-check]]
16	+8° 605	3 50.9	+8 36.9	8.8	[[symbol-check]]
17	+7° 521	3 26.0	+7 47.6	8.7	[[symbol-check]]
18	+8° 532	3 26.9	+8 40.1	7.8	[[symbol-check]]
19	+9° 467	3 31.2	+9 10.3	8.8	[[symbol-check]]
20	+9° 470	3 32.3	+9 12.3	8.7	[[symbol-check]]
21	+9° 463	3 30.1	+9 27.5	7.8	[[symbol-check]]
22	+6° 589	3 41.5	+6 55.2	8.6	[[symbol-check]]
23	+6° 592	3 43.2	+6 43.4	8.7	[[symbol-check]]

Identified by J.C.M. Nov. 11, 1912
Checked by AMC Nov. 12, 1912



cards made out by M.C.W.
Cards checked by G.R.B.

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

82

Saturday, Nov. 9, 1912

Time: 11.14 138111

[[4 columned table]]

No. | Int | Class | Remark |

1 | 2 | B9 | E |

2 | 3 | A0 | E |

3 | 2 | B9 | |

4 | 2 | Ma | |

5 | 3 | G0 | |

6 | 2 | A0 | |

7 | 2 | G5 | |

8 | 5 | A0 | |

9 | 2 | A2 | |

10 | 4 | F8 | |

11 | 2 | G5 | |

12 | 7 | B0 | H beta br. = 3 dark lines very faint |

13 | 1 | K0 | |

14 | 3 | A3 | |

15 | 4 | G5 | |

16 | 3 | G5 | |

17 | 2 | A0 | |

18 | 1 | G | E |

19 | 2 | A5 | E |

20 | 2 | F5 | E |

21 | 1 | F2 | |

22 | 1 | K0 | |

23 | 3 | G? | Too much superposed on 24. get short disp. |

24 | 5 | B9 | |

25 | 2 | A0 | |

26 | 2 | K0 | |

27 | 3 | G0 | Partly superposed on 28. |

83

[[5 columned table]]

1 | +27° 562 | 3 37.6 | +27 18.4 | 9.0 |

2 | +28° 582 | 3 38.1 | +28 13.0 | 8.5 |

3 | +28° 586 | 3 39.1 | +28 8.0 | 8.9 |

4 | +2~~7~~ | 8 | 7~~5~~ | 8 |

5 | 67 3 | 39.4 | +2~~7~~ | 8 |

11.5 | 8.5 |

5 | +27 569 | 3 40.1 | +27 37.0 | 8.8 |

6 | +28° 592 | 3 40.2 | +28 0.9 | 8.8 |

7 | +28° 593 | 3 40.5 | +28 11.9 | 8.7 |

8 | +29° 632 | 3 41.2 | +29 11.3 | 7.8 |

9 | +29° 633 | 3 41.6 | +29 17.8 | 8.5 |

10 | +29° 635 | 3 42.0 | +29 13.7 | 81.1 |

11 | +29° 636 | 3 43.2 | +29 9.9 | 8.2 |

12 | +30° 591 | 3 46.3 | +30 37.7 | var |

13 | +27° 585 | 3 43.6 | +27 41.0 | 8.6 |

14 | +27° 587 | 3 44.5 | +27 34.9 | 8.5 |

15 | +27° 589 | 3 44.8 | +27 42.1 | 7.8 |

16 | +27° 597 | 3 46.1 | +27 46.3 | 8.0 |

17 | +27° 600 | 3 46.9 | +27 44.2 | 8.5 |

18 | +26° 642 | 3 47.0 | +26 11.2 | 9.1 |

19 | +26° 645 | 3 47.7 | +26 19.0 | 8.9 |

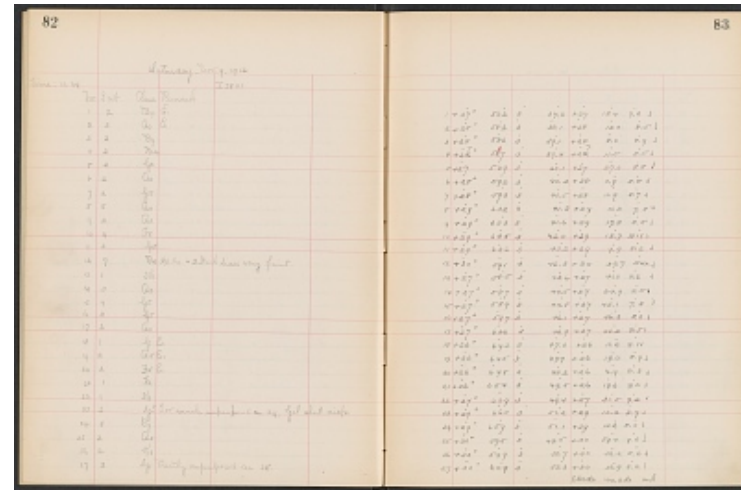
20 | +26° 648 | 3 48.2 | +26 4.9 | 8.3 |

21 | +26° 654 | 3 49.5 | +26 19.6 | 9.0 |

22 | +27° 609 | 3 49.4 | +27 31.5 | 9.2 |

23 | +29° 660 | 3 51.2 | +29 10.2 | 8.7 |

24 | +29° 659 | 3 51.1 | +29 18.2 | 8.0 |



25		+30° 595		3 49.5		+30 59.4		9.0	
26		+30° 599		3 50.7		+30 56.2		8.6	
27		+30° 609		3 53.3		+30 56.9		8.2	
cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
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```

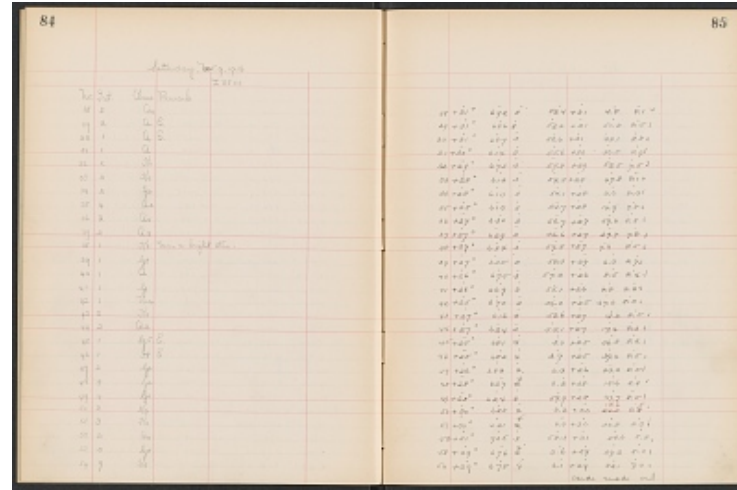
84
Saturday, Nov. 9, 1912
138111
[[4 columned table}}
No.|Int|Class|Remark|
28|3|A0| |
29|2|A|E| |
30|1|A|E| |
31|1|A| | |
32|2|K0| | |
33|3|K0| | |
34|2|G0| | |
35|4|A2| | |
36|2|A0| | |
37|3|A3| | |
38|1|K0| | |
39|1|Y5|Near a bright star.|
40|1|A| | |
41|1|Y| | |
42|1|Ma| | |
43|2|K0| | |
44|3|A2| | |
45|1|Y5|E| |
46|1|F8|E| |
47|2|Y0| | |
48|4|Y0| | |
49|4|Y0| | |
50|2|K0| | |
49|4|Y0| | |
50|2|K0| | |
51|3|K0| | |
52|2|A0| | |
53|3|Y5| | |
54|7|K0| | |

```

85

[9 columned table]]

28	+31°	692	3	53.4	+31	4.8	8.1		
29	+31°	686	3	52.2	+31	5.1	3.8	5	
30	+31°	687	3	52.6	+31	4.8	1.8	8	
31	+30°	614	3	55.5	+30	3.0	5.8	9	
32	+29°	672	3	57.8	+29	5.2	5.7	5	
33	+28°	614	3	54.8	+28	4.7	8.8	1	
34	+28°	610	3	54.1	+28	3.0	8.3		
35	+28°	613	3	54.7	+28	14.9	7.8		
36	+27°	630	3	56.7	+27	5.9	6.8	8	
37	+27°	629	3	56.6	+27	2.9	7.7	8	
38	+27°	634	3	57.8	+27	7.6	8.5		
39	+27°	635	3	58.3	+27	6.3	8.7		
40	+26°	675	3	57.2	+26	8.5	8.4		
41	+26°	669	3	55.1	+26	4.8	8.8		
42	+25°	670	3	56.0	+25	4.7	6.8	3	
43	+27°	616	3	52.6	+27	12.2	8.5		
44	+27°	624	3	55.1	+27	17.4	8.3		
45	+25°	681	4	3.0	+25	3.6	3.8	4	
46	+25°	682	4	3.7	+25	3.9	4.8	5	
47	+26°	684	4	0.3	+26	4.3	3.8	5	
48	+28°	627	[[3]]	[[4]]	+28	15.6	8.8		
49	+28°	624	3	59.9	+28	4.7	7.8	5	
50	+30°	623	4	0.2	+30	[[24.0]]	15.4	8. [[8]]	[[5]]



51	+30°	621	~~3~~4	0.0	+30	30.8	8.3	
52	+31°	705	3	58.3	+31	24.6	8.8	
53	+29°	676	~~3~~4	2.6	+29	27.2	8.0	
54	+29°	678	4	6.1	+29	32.1	7.0	
cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

86

Saturday, Nov. 9, 1912.

13811

No. | Int. Class | Rewards | --- | --- |

55 | 6 Yo | --- | --- | --- |

56 | 2 Ao | --- | --- | --- |

57 | 4 E2 | --- | --- | --- |

58 | 6 Y5 | --- | --- | --- |

59 | 2 Y5 | --- | --- | --- |

60 | 2 Y5 | --- | --- | --- |

61 | 3 A | E. | --- | --- |

62 | 3 Y5 | --- | --- | --- |

63 | 3 B9 | --- | --- | --- |

64 | 1 E | --- | --- | --- |

Time: 11.30 65 | 2 Yo | --- | --- | --- |

66 [strike through]

66 | 4 B8 | --- | --- | --- |

67 | 2 A5 | --- | --- | --- |

68 | 3 Y5 | --- | --- | --- |

[[new page]]

87

55 | +29° 682 | 4 7.0 | +29 40.0 7.8 [checkmark]

56 | +30° 636 | [3 crossed out] 4 5.9 | +30 28.4 8.7 [checkmark]

57 | +27° 649 | 4 5.6 | +27 35.0 8.1 [checkmark]

58 | +25° 685 | 4 5.7 | +25 53.2 7.6 [checkmark]

59 | +26° 689 | 4 2.8 | +26 33.0 8.9 [checkmark]

60 | +26° 687 | 4 2.4 | +26 7.5 8.6 [checkmark]

61 | +24° 540 | 3 35.4 | +24 5.8 8.0 [checkmark]

62 | +29° 597 | 3 34.1 | +29 44.2 8.5 [checkmark]

63 | +31° 658 | 3 41.4 | +31 6.2 8.3 [checkmark]

64 | +33° 731 | 3 43.7 | +33 3.1 8.5 [checkmark]

65 | +32° 688 | 3 47.2 | +32 45.3 8.3 [checkmark]

Identified by F.G.M. Nov. 11, 1912

Checked by A.M.S. Nov. 12, 1912

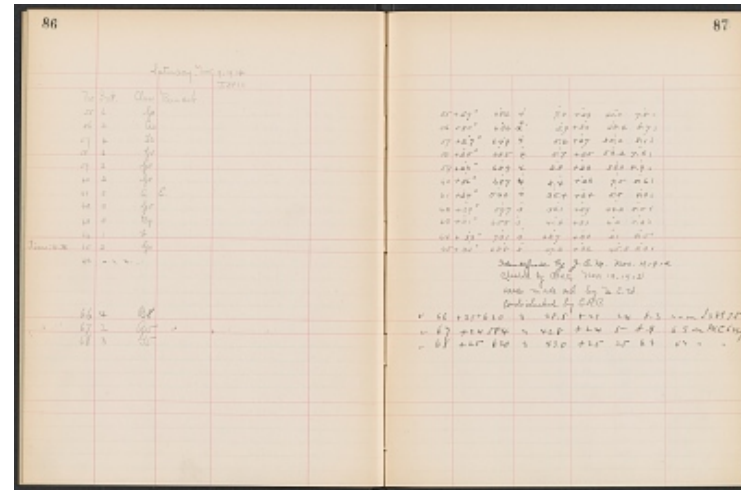
cards made out by W.C.W.

cards checked by S.R.B.

[checkmark] 66 | +29° 620 | 3 38.5 | +29 24 8.3 | 24M [??] 38975

[checkmark] 67 | +24 584 | 3 42.8 | +24 5 8.9 | 69Me6447

[checkmark] 68 | +25 630 | 3 43.0 | +25 25 8.3 | 53 " "



Project PHaEDRA - Annie Jump Cannon 54
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Extracted Dec-02-2022 11:30:18

$$\begin{aligned} & 22 \text{ } ^{+35} \text{ } \cancel{12} \text{ } \cancel{18} \text{ } ^{[23]} \text{ } | 5 \\ & \cancel{34.5} \text{ } ^{[35.4]} \text{ } + 35 \text{ } \cancel{28.4} \text{ } ^{[5.7]} \text{ } | 8 \text{ } \cancel{5} \text{ } ^{[4]} \text{ } | \end{aligned}$$

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

90

Wednesday, Nov. 13, 1912
138124

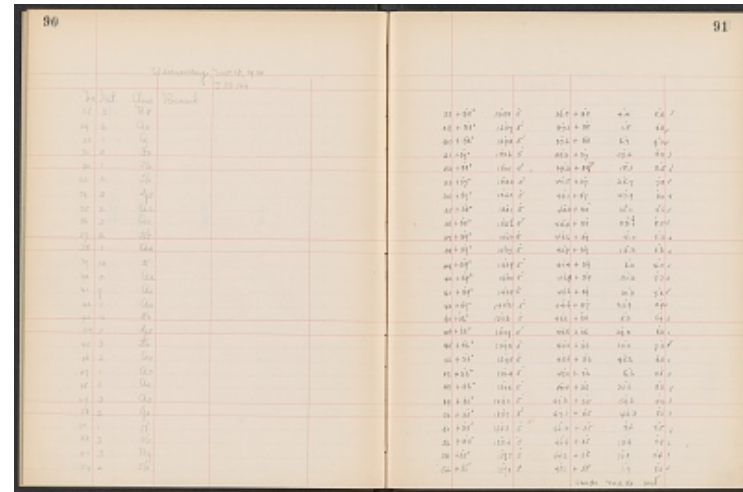
[[4 column table]]
No. | Int. | Class | Remark

28	2	B8	
29	2	A0	
30	1	A	
31	3	F0	
32	1	K2	
33	2	K0	
34	3	G5	
35	2	A2	
36	3	A0	
37	2	K5	
38	1	A0	
39	10	K	
40	3	A2	
41	7	A0	
42	1	A0	
43	4	K0	
44	1	G5	
45	3	K0	
46	2	A0	
47	1	A3	
48	3	A0	
49	3	A3	
50	2	G0	
51	1	K	
52	3	K0	
53	3	B9	
54	2	K0	

91

[[5 column table]]

28	+38° 1283	5 36.3	+38 4.4	8.8	[[checkmark]]
29	+38° 1287	5 37.1	+38 1.5	8.8	[[checkmark]]
30	+38° 1292	5 37.6	+38 6.7	9.0	[[checkmark]]
31	+37° 1326	5 38.2	+37 57.4	8.3	[[checkmark]]
32	+38° 1301	5 39.2	+3 [[strikethrough]] 7 [[strikethrough]] 18.1	8.5	[[checkmark]]
33	+37° 1333	5 40.5	+37 25.7	7.8	[[checkmark]]
34	+37° 1340	5 42.1	+37 47.9	8.0	[[checkmark]]
35	+38° 1321	5 43.3	+38 15.0	8.6	[[checkmark]]
36	+38° 1326 ^{[[5]]}	5 44.4	+38 33.1 ^{[[6]]}	8.5	[[checkmark]]
37	+39° 1440	5 43.6	+39 4.0	8.2	[[checkmark]]
38	+39° 1437	5 42.9	+39 12.2	8.6	[[checkmark]]
39	+39° 1429	5 41.4	+39 6.0	4.0	[[checkmark]]
40	+39° 1430	5 41.9	+39 31.2	7.7	[[checkmark]]
41	+39° 1435	5 42.6	+39 31.9	7.3	[[checkmark]]
42	+37° 1352	5 44.6	+37 22.9	8.9	[[checkmark]]
43	+36° 1282	5 43.8	+36 5.3	6.9	[[checkmark]]



44		+36°	1289		5	44.6		+36	29.3		8.3	[[checkmark]]
45		+36°	1292		5	45.1		+36	13.0		7.3	[[checkmark]]
46		+36°	1295		5	45.6		+36	45.6		8.8	[[checkmark]]
47		+36°	1304		5	47.0		+36	6.6		8.5	[[checkmark]]
48		+36°	1308		5	47.4		+36	21.6		8.3	[[checkmark]]
49		+35°	1290		5	47.6		+35	59.6		8.2	[[checkmark]]
50		+35°	1287		5	47.1		+35	42.3		8.6	[[checkmark]]
51		+35°	1283		5	46.3		+35	8.4		8.5	[[checkmark]]
52		+35°	1284		5	46.4		+35	12.4		7.9	[[checkmark]]
53		+35°	1270		5	44.2		+35	16.8		8.4	[[checkmark]]
54		+35°	1273		5	45.1		+35	1.9		8.0	[[checkmark]]

Cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

92

Wednesday, Nov. 13, 1912.
138124

[[4 column table]]

No. | Int. | Class | Remark |

55 | 3 | B9 | |

56 | 2 | K0 | |

57 | 5 | A0 | E. |

58 | 3 | F0 | E. |

59 | 2 | A0 | E. |

60 | 2 | A0 | E. |

61 | 3 | G5 | |

62 | 2 | F5 | |

63 | 3 | F8 | |

64 | 2 | A2 | |

65 | 3 | F8 | |

66 | 2 | G5 | |

67 | 3 | G0 | |

68 | 2 | A0 | |

69 | 1 | A0 | |

70 | 3 | K0 | |

71 | 2 | A0 | |

72 | 1 | A2 | |

73 | 7 | B9 | |

74 | 4 | A0 | |

75 | 7 | B9 | |

92				93			
Observations, Nov. 13, 1912.							
No.	Int.	Class	Remark	No.	Int.	Class	Remark
55	3	B9		68	2	A0	
56	2	K0		69	1	A0	
57	5	A0	E.	70	3	K0	
58	3	F0	E.	71	2	A0	
59	2	A0	E.	72	1	A2	
60	2	A0	E.	73	7	B9	
61	3	G5		74	4	A0	
62	2	F5		75	7	B9	
63	3	F8					
64	2	A2					
65	3	F8					
66	2	G5					
67	3	G0					
68	2	A0					
69	1	A0					
70	3	K0					
71	2	A0					
72	1	A2					
73	7	B9					
74	4	A0					
75	7	B9					

76 | 8 | B9 | |

77 | 7 | B9 | |

78 | 3 | B8 | |

78a | 3 | A0 | |

79 | 5 | B9 | |

80 | 2 | K0 | |

81 | 5 | Rec. ~~B8~~ | Peculiar - more faint lines than normal. Maybe A. |

93

[[8 column table]]

55 | +37° | 1375 | 5 | 49.0 | +37 | 2.7 | 8.4 |

56 | +36° | 1322 | 5 | 49.8 | +36 | 48.8 | 7.9 |

57 | +36° | 1332 | 5 | 51.8 | +36 | 30.5 | 7.8 |

58 | +35° | 1308 | 5 | 51.4 | +35 | 14.5 | 8.3 |

59 | +35° | 1311 | 5 | 51.8 | +35 | 11.8 | 8.7 |

60 | +34° | 1218 | 5 | 47.8 | +34 | 7.7 | 9.0 |

61 | +35° | 1292 | 5 | 47.7 | +35 | 44.7 | 7.9 |

62 | +36° | 1264 | 5 | 39.6 | +36 | 7.9 | 8.0 |

63 | +35° | 1248 | 5 | 39.7 | +35 | 55.5 | 8.2 |

64 | +34° | 1188 | 5 | 40.7 | +34 | 53.7 | 8.9 |

65 | +37° | 1249 | 5 | 26.9 | +37 | 3.0 | 8.2 |

66 | +36° ~~5~~ | 1202 | 5 | 27.2 | +36 ~~5~~ | 57.2 | 8.1 |

67 | +36° ~~5~~ | 1204 | 5 | 27.7 | +36 ~~5~~ | 59.7 | 7.7 |

68 | +37° | 1253 | 5 | 27.3 | +37 | 17.0 | 9.2 |
 69 | +37° | 1248 | 5 | 26.8 | +37 | 17.5 | 9.2 |
 70 | +38° | 1226 | 5 | 27.0 | +38 | 13.8 | 8.0 |
 71 | +37° | 1252 | 5 | 27.3 | +37 | 57.6 | 9.0 |
 72 | +37° | 1255 | 5 | 27.8 | +37 | 49.3 | 9.0 |
 73 | +37° | 1262 | 5 | 28.4 | +37 | 38.9 | 7.7 |
 74 | +37° | 1270 | 5 | 29.1 | +37 | 39.0 | 8.2 |
 75 | +37° | 1271 | 5 | 29.1 | +37 | 53.3 | 7.6 |
 76 | +37° | 1275 | 5 | 29.7 | +37 | 54.4 | 7.0 |
 77 | +37° | 1277 | 5 | 30.0 | +37 | 52.6 | 7.2 |
 78 | +38° | 1239 | 5 | 29.3 | +38 | 27.4 | 8.3 |
 78a | +37° | 1282 | 5 | 30.9 | +37 | 15.1 | 7.8 |
 79 | +38° | 1241 | 5 | 29.5 | +38 | 24.8 | 8.0 |
 80 | +38° | 1248 | 5 | 31.0 | +38 | 25.9 | 7.7 |
 81 | +38° | 1250 | 5 | 31.6 | +38 | 6.2 | 8.0 |

cards made out

Project PHaEDRA - Annie Jump Cannon 54
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94

Wednesday, Nov. 13, 1912.

I38124

[[4 column chart]]

No.	Int.	Class	Remark
82	6	A0	
83	6	K0	
84	3	A0	Another star superposed at north.
85	3	F8	
86	4	K0	
87	3	G5	
88	3	A0	
89	2	G5	
90	3	A2	
91	1	G5	
92	3	A0	
93	2	A0	
94	1	G5	
95	4	G0	
96	2	K2	
97	2	A0	
98	1	K0	
99	2	K5	E.

Time: 11.36 100 | 4 | K5 | E. |

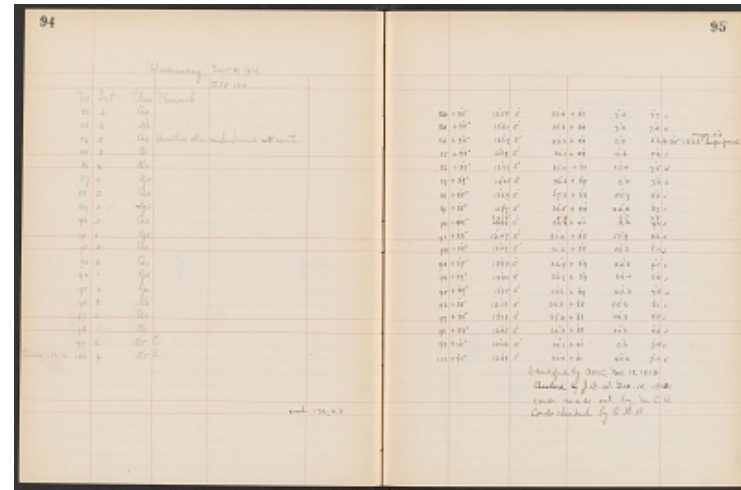
cont. 132,110

95

[[5 column chart]]

82	+38° 1258	5 32.4	+38 7.4 7.7	
83	+38° 1261	5 32.8	+38 7.3 7.4	
84	+38° 1267	5 33.6	+38 0.3 8.6	+38° 1266 magn. 8.3
superposed				
85	+38° 1269	5 34.1	+38 10.6 8.2	
86	+38° 1277	5 35.0	+38 25.4 7.5	
87	+39° 1405	5 36.2	+39 0.5 7.6	
88	+38° 1289	5 37.3	+38 55.7 8.4	
89	+38° 1297	5 38.5	+38 24.4 8.7	
90	+40°	[[/crossed out]]1051	[[/crossed out]]1418	5 3[[/crossed out]]7.9[[/crossed out]]8.8 +40
[[/crossed out]]7.9[[/crossed out]]8.8 +40				
[[/crossed out]]9.0[[/crossed out]]7.9				
91	+38° 1247	5 31.0	+38 57.9 8.4	
92	+38° 1249	5 31.4	+38 49.2 8.0	
93	+39° 1399	5 34.9	+39 22.8 9.1	
94	+39° 1330	5 22.7	+39 27.4 8.2	
95	+39° 1335	5 23.2	+39 24.3 7.8	
96	+38° 1218	5 26.3	+38 55.6 8.1	
97	+38° 1228	5 27.2	+38 54.3 8.5	
98	+38° 1235	5 28.3	+38 30.6 8.4	
99	+41° 1222	5 24.1	+41 0.6 7.5	
100	+41° 1238	5 28.4	+41 45.2 7.0	

Identified by AMC Nov. 18, 1912



Checked by J.B.W. Dec.10,1912
cards made out by M.C.W.
Cards checked by B.R.B.

Project PHaEDRA - Annie Jump Cannon 54
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Wednesday, Nov. 13, 1912
Time: 11.56 138125

[[4 column table]]

No.	Int.	Class	Remark
1	3	A0	E.
2	4	A5	E.
3	1	G5	
4	4	A	E.
5	2	A	E.
6	2	K	E.
7	1	G5	E.
8	2	G5	E.
9	1	G5	E.
10	12	K0	133439 shows this is the northern of 2 stars in nearly same R.A.
11	1	G5	
12	2	G0	
13	2	F8	
14	2	K0	
15	1	G	
16	1	G	
17	2	G5	
18	1	A	
19	1	G5	
20	2	F5	
21	1	A5	
22	2	A2	
23	2	A0	
24	3	B9	
25	2	F2	
26	1	A3	
27	1	Ma	

97

[[5 column table]]

1|+46° 889|4 19.4|+46 7.2|7.8|^
 2|+45° 941|4 20.0|+45 49.6|7.5|^
 3|+46° 895|4 22.6|+46 22.5|8.8|^
 4|+48° 1096|4 16.6|+48 26.8|7.5|^
 5|+49° 1184|4 17.0|+49 6.8|8.4|^
 6|+48° 1097|4 17.6|+48 53.1|8.0|^
 7|+48° 1100|4 18.5|+48 43.5|8.4|^
 8|+47° 993|4 16.9|+47 58.2|8.0|^
 9|+47° 994|4 17.5|+47 46.5|8.5|^
~~11|+49° 1206|4 23.9|+49 17.9|8.6|^~~
~~+49° 1205 magn. 9.0 superposed~~
~~11|+47° 1015 4 26.3 +47 27.0 8.8~~ +49°
 1202|4 23.4|+49 36.6|9.0|^
 12|+50° 1019|4 24.8|+50 18.1|8.9|^
 13|+49° 1210|4 26.7|+49 32.7|8.6|^
 14|+50° 1028|4 29.1|+50 49.2|8.0|^
 15|+47° 1008|4 24.2|+47 42.2|8.7|^
 16|+47° 1015|4 26.3|+47 27.0|8.8|^
 17|+46° ~~984~~ ~~903~~|4 ~~33.5~~ ~~43.7~~ ~~8.5~~^
 37.0 ~~33.5~~ ~~43.7~~ ~~8.5~~^
 41.3 ~~7.3~~ ~~8.5~~^

18	+46°	906	4 34.3	+46 7.1	9.1	^
19	+47°	1023	4 31.8	+47 50.9	8.3	^
20	+47°	1035	4 34.9	+47 25.8	8.8	^
21	+47°	1037	4 35.6	+47 27.7	9.1	^
22	+47°	1039	4 36.1	+47 30.1	9.1	^
23	+47°	1048	4 37.7	+47 58.4	9.0	^
24	+48°	1150	4 37.7	+48 16.0	8.4	^
25	+47°	1052	4 39.3	+47 36.4	8.7	^
26	+47°	1050	4 38.9	+47 15.8	9.1	^
27	+45°	984	4 37.0	+45 43.7	7.3	^

cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
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Wednesday, Nov. 13, 1912.

138125

[4 column table]

[No.][Int][Class][Remark]

28|2|K2||

29|2|A0||

30|1|A||

31|1|F5||

32|9|K0||

33|1|A||

34|1|G5||

35|2|MA||

36|2|A0||

37|2|A0||

38|3|B9||

39|5|A|another star superposed, Probably same class|

40|4|G0||

41|1|A0||

42|1|A0||

43|4|G0||

44|2|K0||

45|2|G5||

46|3|K0||

47|4|A0|Lines sharp. 4077 & 4128 -31 seen.

48|3|B9||

49|6|A0||

50|2|~~A2~~ G|maybe comp.

~~[H gamma H delta faint. Line K faint.]~~

51|2|A2||

52|3|B8||

53|~~A2~~ 2|G0||

54|6|B8|Another star superposed. Probably class A.|

99

[5 column table]

28+46°|922 4|39.1+46|15.7|8.7 ^|

29+46°|929 4|40.9+46|41.5|9.1 ^|

30+47°|1056 4|41.1+47|8.6|9.0 ^|

31+47°|1059 4|41.5+47|1.6|9.0 ^|

32+48°|1162 4|40.3+48|28.8|5.8 ^|

33+48°|1151 4|38.2+48|42.5|8.5 ^|

34+49°|1246 4|37.8+49|16.5|8.4 ^|

35+50°|1070 4|39.5+50|8.9|8.0 ^|

36+49°|1260 4|41.0+49|54.4|8.7 ^|

37+50°|1075 4|41.0+50|33.5|8.8 ^|

38+50°|1076 4|41.3+50|32.1|8.4 ^|

[left indent] ? [left indent]

39+51°|983 4|41.1+51|7.6|8.3 ~~^~~ +51°

985 magn. 8.9 Superposed| [right indent] probably right, but there is an

error in D.M. Which I cannot understand so am not able to check

identification. LWW. [right indent]

40+51°|987 4|41.5+51|16.8|8.0 ^|

41+50°|1087 4|44.2+50|17.2|8.9 ^|

42+49°|1264 4|42.5+49|24.3|8.8 ^|

43+49°|1265 4|43.2+49|18.8|7.5 ^|

44+48°|1175 4|43.9+48|48.5|8.6 ^|

45+48°|1173 4|43.3+48|20.9|8.8 ^|

46+47°|1064 4|43.0+47|42.5|8.3 ^|

47+47°|1074 4|45.5+47|12.1|8.5 ^|

48+47°|1076 4|45.9+47|6.0|8.5 ^|

49+47°	1077 4	46.3+47	38.7	7.7^
50+46°	939 4	45.9+46	14.6	8.9^
51+47°	1078 4	46.9+47	46.8	8.5^
52+48°	1188 4	47.6+48	6.9	8.5^
53+48°	1190 4	49.8+48	34.5	8.5^
[[left indent]] ~~?~~ [[/left indent]]				
54+48°	1196 4	50.6+47	36.3	8.3^ 448° 1197 magn. 9.2 superposed
 cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

100	Wednesday 13, 1912				
	138125				
No.	Int.	Class	Remark		
55	4	K0			
56	5	B9			
57	1	A			
58	3	F5	Another star superposed at north		
59	7	B9			
60	5	F5			
61	3	A3			
62	3	A0	Partly superposed on 63.		
63	7	B9			
64	3	A2			
65	2	A2			
66	1	A			
67	2	K0			
68	2	A0			
69	3	A	E.		
70	1	A			
71	1	A			
72	3	K0			
73	3	K0			
74	4	B9			
75	3	A3			
76	3	A5			
77	5	A0			
78	9	F0			
79	2	G5			
80	1	K0			
81	5	K0			

100

101

Transcription of 138125

21.10.57

Star 2nd Observed

55 4 K0

56 5 B9

57 1 A

58 3 F5 Another star superposed at north

59 7 B9

60 5 F5

61 3 A3

62 3 A0

63 7 B9 Partly superposed on 62

64 3 A2

65 2 A2

66 1 A

67 2 K0

68 2 A0

69 3 A

70 1 A

71 1 A

72 3 K0

73 3 K0

74 4 B9

75 3 A3

76 3 A5

77 5 A0

78 9 F0

79 2 G5

80 1 K0

81 5 K0

82 4 K0	83 2 A	84 1 A	85 1 A	86 1 A	87 1 A	88 1 A	89 1 A	90 1 A	91 1 A	92 1 A	93 1 A	94 1 A	95 1 A	96 1 A	97 1 A	98 1 A	99 1 A	100 1 A	101 1 A	102 1 A	103 1 A	104 1 A	105 1 A	106 1 A	107 1 A	108 1 A	109 1 A	110 1 A	111 1 A	112 1 A	113 1 A	114 1 A	115 1 A	116 1 A	117 1 A	118 1 A	119 1 A	120 1 A	121 1 A	122 1 A	123 1 A	124 1 A	125 1 A	126 1 A	127 1 A	128 1 A	129 1 A	130 1 A	131 1 A	132 1 A	133 1 A	134 1 A	135 1 A	136 1 A	137 1 A	138 1 A	139 1 A	140 1 A	141 1 A	142 1 A	143 1 A	144 1 A	145 1 A	146 1 A	147 1 A	148 1 A	149 1 A	150 1 A	151 1 A	152 1 A	153 1 A	154 1 A	155 1 A	156 1 A	157 1 A	158 1 A	159 1 A	160 1 A	161 1 A	162 1 A	163 1 A	164 1 A	165 1 A	166 1 A	167 1 A	168 1 A	169 1 A	170 1 A	171 1 A	172 1 A	173 1 A	174 1 A	175 1 A	176 1 A	177 1 A	178 1 A	179 1 A	180 1 A	181 1 A	182 1 A	183 1 A	184 1 A	185 1 A	186 1 A	187 1 A	188 1 A	189 1 A	190 1 A	191 1 A	192 1 A	193 1 A	194 1 A	195 1 A	196 1 A	197 1 A	198 1 A	199 1 A	200 1 A	201 1 A	202 1 A	203 1 A	204 1 A	205 1 A	206 1 A	207 1 A	208 1 A	209 1 A	210 1 A	211 1 A	212 1 A	213 1 A	214 1 A	215 1 A	216 1 A	217 1 A	218 1 A	219 1 A	220 1 A	221 1 A	222 1 A	223 1 A	224 1 A	225 1 A	226 1 A	227 1 A	228 1 A	229 1 A	230 1 A	231 1 A	232 1 A	233 1 A	234 1 A	235 1 A	236 1 A	237 1 A	238 1 A	239 1 A	240 1 A	241 1 A	242 1 A	243 1 A	244 1 A	245 1 A	246 1 A	247 1 A	248 1 A	249 1 A	250 1 A	251 1 A	252 1 A	253 1 A	254 1 A	255 1 A	256 1 A	257 1 A	258 1 A	259 1 A	260 1 A	261 1 A	262 1 A	263 1 A	264 1 A	265 1 A	266 1 A	267 1 A	268 1 A	269 1 A	270 1 A	271 1 A	272 1 A	273 1 A	274 1 A	275 1 A	276 1 A	277 1 A	278 1 A	279 1 A	280 1 A	281 1 A	282 1 A	283 1 A	284 1 A	285 1 A	286 1 A	287 1 A	288 1 A	289 1 A	290 1 A	291 1 A	292 1 A	293 1 A	294 1 A	295 1 A	296 1 A	297 1 A	298 1 A	299 1 A	300 1 A	301 1 A	302 1 A	303 1 A	304 1 A	305 1 A	306 1 A	307 1 A	308 1 A	309 1 A	310 1 A	311 1 A	312 1 A	313 1 A	314 1 A	315 1 A	316 1 A	317 1 A	318 1 A	319 1 A	320 1 A	321 1 A	322 1 A	323 1 A	324 1 A	325 1 A	326 1 A	327 1 A	328 1 A	329 1 A	330 1 A	331 1 A	332 1 A	333 1 A	334 1 A	335 1 A	336 1 A	337 1 A	338 1 A	339 1 A	340 1 A	341 1 A	342 1 A	343 1 A	344 1 A	345 1 A	346 1 A	347 1 A	348 1 A	349 1 A	350 1 A	351 1 A	352 1 A	353 1 A	354 1 A	355 1 A	356 1 A	357 1 A	358 1 A	359 1 A	360 1 A	361 1 A	362 1 A	363 1 A	364 1 A	365 1 A	366 1 A	367 1 A	368 1 A	369 1 A	370 1 A	371 1 A	372 1 A	373 1 A	374 1 A	375 1 A	376 1 A	377 1 A	378 1 A	379 1 A	380 1 A	381 1 A	382 1 A	383 1 A	384 1 A	385 1 A	386 1 A	387 1 A	388 1 A	389 1 A	390 1 A	391 1 A	392 1 A	393 1 A	394 1 A	395 1 A	396 1 A	397 1 A	398 1 A	399 1 A	400 1 A	401 1 A	402 1 A	403 1 A	404 1 A	405 1 A	406 1 A	407 1 A	408 1 A	409 1 A	410 1 A	411 1 A	412 1 A	413 1 A	414 1 A	415 1 A	416 1 A	417 1 A	418 1 A	419 1 A	420 1 A	421 1 A	422 1 A	423 1 A	424 1 A	425 1 A	426 1 A	427 1 A	428 1 A	429 1 A	430 1 A	431 1 A	432 1 A	433 1 A	434 1 A	435 1 A	436 1 A	437 1 A	438 1 A	439 1 A	440 1 A	441 1 A	442 1 A	443 1 A	444 1 A	445 1 A	446 1 A	447 1 A	448 1 A	449 1 A	450 1 A	451 1 A	452 1 A	453 1 A	454 1 A	455 1 A	456 1 A	457 1 A	458 1 A	459 1 A	460 1 A	461 1 A	462 1 A	463 1 A	464 1 A	465 1 A	466 1 A	467 1 A	468 1 A	469 1 A	470 1 A	471 1 A	472 1 A	473 1 A	474 1 A	475 1 A	476 1 A	477 1 A	478 1 A	479 1 A	480 1 A	481 1 A	482 1 A	483 1 A	484 1 A	485 1 A	486 1 A	487 1 A	488 1 A	489 1 A	490 1 A	491 1 A	492 1 A	493 1 A	494 1 A	495 1 A	496 1 A	497 1 A	498 1 A	499 1 A	500 1 A	501 1 A	502 1 A	503 1 A	504 1 A	505 1 A	506 1 A	507 1 A	508 1 A	509 1 A	510 1 A	511 1 A	512 1 A	513 1 A	514 1 A	515 1 A	516 1 A	517 1 A	518 1 A	519 1 A	520 1 A	521 1 A	522 1 A	523 1 A	524 1 A	525 1 A	526 1 A	527 1 A	528 1 A	529 1 A	530 1 A	531 1 A	532 1 A	533 1 A	534 1 A	535 1 A	536 1 A	537 1 A	538 1 A	539 1 A	540 1 A	541 1 A	542 1 A	543 1 A	544 1 A	545 1 A	546 1 A	547 1 A	548 1 A	549 1 A	550 1 A	551 1 A	552 1 A	553 1 A	554 1 A	555 1 A	556 1 A	557 1 A	558 1 A	559 1 A	560 1 A	561 1 A	562 1 A	563 1 A	564 1 A	565 1 A	566 1 A	567 1 A	568 1 A	569 1 A	570 1 A	571 1 A	572 1 A	573 1 A	574 1 A	575 1 A	576 1 A	577 1 A	578 1 A	579 1 A	580 1 A	581 1 A	582 1 A	583 1 A	584 1 A	585 1 A	586 1 A	587 1 A	588 1 A	589 1 A	590 1 A	591 1 A	592 1 A	593 1 A	594 1 A	595 1 A	596 1 A	597 1 A	598 1 A	599 1 A	600 1 A	601 1 A	602 1 A	603 1 A	604 1 A	605 1 A	606 1 A	607 1 A	608 1 A	609 1 A	610 1 A	611 1 A	612 1 A	613 1 A	614 1 A	615 1 A	616 1 A	617 1 A	618 1 A	619 1 A	620 1 A	621 1 A	622 1 A	623 1 A	624 1 A	625 1 A	626 1 A	627 1 A	628 1 A	629 1 A	630 1 A	631 1 A	632 1 A	633 1 A	634 1 A	635 1 A	636 1 A	637 1 A	638 1 A	639 1 A	640 1 A	641 1 A	642 1 A	643 1 A	644 1 A	645 1 A	646 1 A	647 1 A	648 1 A	649 1 A	650 1 A	651 1 A	652 1 A	653 1 A	654 1 A	655 1 A	656 1 A	657 1 A	658 1 A	659 1 A	660 1 A	661 1 A	662 1 A	663 1 A	664 1 A	665 1 A	666 1 A	667 1 A	668 1 A	669 1 A	670 1 A	671 1 A	672 1 A	673 1 A	674 1 A	675 1 A	676 1 A	677 1 A	678 1 A	679 1 A	680 1 A	681 1 A	682 1 A	683 1 A	684 1 A	685 1 A	686 1 A	687 1 A	688 1 A	689 1 A	690 1 A	691 1 A	692 1 A	693 1 A	694 1 A	695 1 A	696 1 A	697 1 A	698 1 A	699 1 A	700 1 A	701 1 A	702 1 A	703 1 A	704 1 A	705 1 A	706 1 A	707 1 A	708 1 A	709 1 A	710 1 A	711 1 A	712 1 A	713 1 A	714 1 A	715 1 A	716 1 A	717 1 A	718 1 A	719 1 A	720 1 A	721 1 A	722 1 A	723 1 A	724 1 A	725 1 A	726 1 A	727 1 A	728 1 A	729 1 A	730 1 A	731 1 A	732 1 A	733 1 A	734 1 A	735 1 A	736 1 A	737 1 A	738 1 A	739 1 A	740 1 A	741 1 A	742 1 A	743 1 A	744 1 A	745 1 A	746 1 A	747 1 A	748 1 A	749 1 A	750 1 A	751 1 A	752 1 A	753 1 A	754 1 A	755 1 A	756 1 A	757 1 A	758 1 A	759 1 A	760 1 A	761 1 A	762 1 A	763 1 A	764 1 A	765 1 A	766 1 A	767 1 A	768 1 A	769 1 A	770 1 A	771 1 A	772 1 A	773 1 A	774 1 A	775 1 A	776 1 A	777 1 A	778 1 A	779 1 A	780 1 A	781 1 A	782 1 A	783 1 A	784 1 A	785 1 A	786 1 A	787 1 A	788 1 A	789 1 A	790 1 A	791 1 A	792 1 A	793 1 A	794 1 A	795 1 A	796 1 A	797 1 A	798 1 A	799 1 A	800 1 A	801 1 A	802 1 A	803 1 A	804 1 A	805 1 A	806 1 A	807 1 A	808 1 A	809 1 A	810 1 A	811 1 A	812 1 A	813 1 A	814 1 A	815 1 A	816 1 A	817 1 A	818 1 A	819 1 A	820 1 A	821 1 A	822 1 A	823 1 A	824 1 A	825 1 A	826 1 A	827 1 A	828 1 A	829 1 A	830 1 A	831 1 A	832 1 A	833 1 A	834 1 A	835 1 A	836 1 A	837 1 A	838 1 A	839 1 A	840 1 A	841 1 A	842 1 A	843 1 A	844 1 A	845 1 A	846 1 A	847 1 A	848 1 A	849 1 A	850 1 A	851 1 A	852 1 A	853 1 A	854 1 A	855 1 A	856 1 A	857 1 A	858 1 A	859 1 A	860 1 A	861 1 A	862 1 A	863 1 A	864 1 A	865 1 A	866 1 A	867 1 A	868 1 A	869 1 A	870 1 A	871 1 A	872 1 A	873 1 A	874 1 A	875 1 A	876 1 A	877 1 A	878 1 A	879 1 A	880 1 A	881 1 A	882 1 A	883 1 A	884 1 A	885 1 A	886 1 A	887 1 A	888 1 A	889 1 A	890 1 A	891 1 A	892 1 A	893 1 A	894 1 A	895 1 A	896 1 A	897 1 A	898 1 A	899 1 A	900 1 A	901 1 A	902 1 A	903 1 A	904 1 A	905 1 A	906 1 A	907 1 A	908 1 A	909 1 A	910 1 A	911 1 A	912 1 A	913 1 A	914 1 A	915 1 A	916 1 A	917 1 A	918 1 A	919 1 A	920 1 A	921 1 A	922 1 A	923 1 A	924 1 A	925 1 A	926 1 A	927 1 A	928 1 A	929 1 A	930 1 A	931 1 A	932 1 A	933 1 A	934 1 A	935 1 A	936 1 A	937 1 A	938 1 A	939 1 A	940 1 A	941 1 A	942 1 A	943 1 A	944 1 A	945 1 A	946 1 A	947 1 A	948 1 A	949 1 A	950 1 A	951 1 A	952 1 A	953 1 A	954 1 A	955 1 A	956 1 A	957 1 A	958 1 A	959 1 A	960 1 A	961 1 A	962 1 A	963 1 A	964 1 A	965 1 A	966 1 A	967 1 A	968 1 A	969 1 A	970 1 A	971 1 A	972 1 A	973 1 A	974 1 A	975 1 A	976 1 A	977 1 A	978 1 A	979 1 A	980 1 A	981 1 A	982 1 A	983 1 A	984 1 A	985 1 A	986 1 A	987 1 A	988 1 A	989 1 A	990 1 A	991 1 A	992 1 A	993 1 A	994 1 A	995 1 A	996 1 A	997 1 A	998 1 A	999 1 A	1000 1 A	1001 1 A	1002 1 A	1003 1 A	1004 1 A	1005 1 A	1006 1 A	1007 1 A	1008 1 A	1009 1 A	1010 1 A	1011 1 A	1012 1 A	1013 1 A	1014 1 A	1015 1 A	1016 1 A	1017 1 A	1018 1 A	1019 1 A	1020 1 A	1021 1 A	1022 1 A	1023 1 A	1024 1 A	1025 1 A	1026 1 A	1027 1 A	1028 1 A	1029 1 A	1030 1 A	1031 1 A	1032 1 A	1033 1 A	1034 1 A	1035 1 A	1036 1 A	1037 1 A	1038 1 A	1039 1 A	1040 1 A	1041 1 A	1042 1 A	1043 1 A	1044 1 A	1045 1 A	1046 1 A	1047 1 A	1048 1 A	1049 1 A	1050 1 A	1051 1 A	1052 1 A	1053 1 A	1054 1 A	1055 1 A	1056 1 A	1057 1 A	1058 1 A	1059 1 A	1060 1 A	1061 1 A	1062 1 A	1063 1 A	1064 1 A	1065 1 A	1066 1 A	1067 1 A	1068 1 A	1069 1 A	1070 1 A	1071 1 A	1072 1 A	1073 1 A	1074 1 A	1075 1 A	1076 1 A	1077 1 A	1078 1 A	1079 1 A	1080 1 A	1081 1 A	1082 1 A	1083 1 A	1084 1 A	1085 1 A	1086 1 A	1087 1 A	1088 1 A	1089 1 A	1090 1 A	1091 1 A	1092 1 A	1093 1 A	1094 1 A
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101

[[5 column table]]

55	+49° 1287	4 51.6	+49 18.6	8.0	^	
56	+49° 1292	4 53.0	+49 18.3	7.9	^	
57	+49° 1293	4 53.5	+49 19.5	8.9	^	+ 49° 1294

Superposed~~49° 1294~~^{magu.}

8.0~~49° 1294~~

58	+49° 1295	4 53.6	+49 41.5	8.5	^	+49° 1294 magu. 8.0
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superposed.

59	+49° 1300	4 54.8	+49 51.0	7.5	^	
60	+49° 1301	4 55.1	+49 46.3	7.8	^	
61	+49° 1305	4 55.7	+49 43.7	8.2	^	
62	+49° 1306	4 56.2	+49 51.6	8.5	^	
63	+50° 1122	4 56.2	+50 5.3	7.5	^	
64	+50° 1121	4 55.8	+49 21.0	9.1	^	
65	+50° 1125	4 56.8	+50 26.2	9.0	^	
66	+50° 1124	4 57.2	+50 34.7	9.3	^	
67	+51° 1020	4 54.4	+51 1.7	8.5	^	
68	+50° 1123	4 56.6	+50 56.3	9.2	^	
69	+52° 930	4 59.5	+52 34.0	8.6	^	
70	+51° 1037	5 0.3	+51 52.0	9.0	^	
71	+51° 1039	5 0.8	+51 26.4	9.2	^	
72	+49° 1315	4 59.5	+49 12.6	8.3	^	
73	+49° 1318	5 0.4	+49 20.9	8.3	^	
74	+49° 1322	5 1.8	+49 49.5	8.8	^	

75	+49°	1325	5 2.2	+49 28.9	9.0	^
76	+48°	1222	4 57.2	+48 23.6	8.5	^
77	+48°	1227	4 58.5	+48 11.9	8.3	^
78	+48°	1226	4 58.0	+48 55.5	7.0	^
79	+47°	1081	4 48.8	+47 45.2	9.2	^
80	+47°	1082	4 49.3	+47 10.7	9.0	^
81	+47°	1089	4 53.2	+41 27.1	7.3	^

cards made out |

Project PHaEDRA - Annie Jump Cannon 54
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 Extracted Dec-02-2022 11:30:18

102

Wednesday Nov. 13, 1912

138125

No. | Int. | Class | Remark

82 | 3 | A0

83 | 3 | A2

84 | 6 | A0

85 | 3 | B9

86 | 3 | A2

87 | 3 | A0

88 | 2 | K0

89 | 2 | A2

90 | 2 | K0

91 | 3 | A0

92 | 1 | K0

93 | 1 | G5

94 | 2 | K0

95 | 2 | K0

96 | 2 | K2

97 | 3 | A0

98 | 9 | F2

99 | 2 | G

100 | 2 | F5

101 | 2 | A

102 | 4 | A0

103 | 3 | F

104 | 3 | K0

105 | 4 | K0

106 | 3 | F0 IE

107 | 2 | G

108 | 2 | A0

103

82 | +48° | 1205 | 4 52.2 | +48 19.6 | 8.5^

83 | +48° | 1213 | 4 54.9 | +48 21.0 | 9.1^

84 | +48° | 1214 | 4 55.1 | +48 27.3 | 7.9^

85 | +48° | 1216 | 4 55.4 | +48 22.6 | 8.5^

86 | +47° | 1095 | 4 56.0 | +47 47.3 | 9.0^

87 | +47° | 1098 | 4 56.9 | +47 36.5 | 9.0^

88 | +47° | 1103 | 4 59.5 | +47 40.0 | 8.9^

89 | +47° | 1104 | [[/crossed out]] 4 [[/crossed out]] 5 0.4 | +47 39.0 | 9.2^

90 | +48° | 1235 | 5 2.0 | +48 7.8 | 8.4^

91 | +47° | 1113 | 5 3.8 | +47 59.7 | 9.1^

92 | +48° | 1241 | 5 4.2 | +48 11.3 | 8.5^

93 | +49° | 1330 | 5 4.3 | +49 0.8 | 8.8^

94 | +49° | 1334 | 5 6.3 | +49 10.7 | 8.5^

95 | +48° | 1245 | 5 6.5 | +48 46.5 | 8.0^

96 | +49° | 1268 | 4 45.0 | +49 29.4 | 8.5^

97 | +49° | 1270 | 4 45.6 | +49 32.2 | 8.8^

98 | +49° | 1271 | 4 46.0 | +49 40.6 | 7.0^

99 | +50° | 1103 | 4 50.2 | +50 2.1 | 8.5^

100 | +50° | 1107 | 4 51.0 | +50 2.1 | 8.5^

101 | +50° | 1108 | 4 51.2 | +50 15.6 | 9.0^

102 | +50° | 1110 | 4 51.6 | +50 23.3 | 8.2^

103 | +51° | 1009 | 4 51.0 | +51 28.1 | 8.6^

104 | +51° | 1005 | 4 47.7 | +51 41.8 | 8.0^

105 | +52° | 905 | 4 47.9 | +52 14.3 | 8.0^

106 | +52° | 861 | 4 27.2 | +52 27.3 | 8.5^

107 | +51° | 973 | 4 35.6 | +51 44.9 | 8.1^

102	103
<p>Wednesday Nov. 13, 1912</p> <p>138125</p> <p>No. Int. Class Remark</p> <p>82 3 A0</p> <p>83 3 A2</p> <p>84 6 A0</p> <p>85 3 B9</p> <p>86 3 A2</p> <p>87 3 A0</p> <p>88 2 K0</p> <p>89 2 A2</p> <p>90 2 K0</p> <p>91 3 A0</p> <p>92 1 K0</p> <p>93 1 G5</p> <p>94 2 K0</p> <p>95 2 K0</p> <p>96 2 K2</p> <p>97 3 A0</p> <p>98 9 F2</p> <p>99 2 G</p> <p>100 2 F5</p> <p>101 2 A</p> <p>102 4 A0</p> <p>103 3 F</p> <p>104 3 K0</p> <p>105 4 K0</p> <p>106 3 F0 IE</p> <p>107 2 G</p> <p>108 2 A0</p>	<p>82 +48° 1205 4 52.2 +48 19.6 8.5^</p> <p>83 +48° 1213 4 54.9 +48 21.0 9.1^</p> <p>84 +48° 1214 4 55.1 +48 27.3 7.9^</p> <p>85 +48° 1216 4 55.4 +48 22.6 8.5^</p> <p>86 +47° 1095 4 56.0 +47 47.3 9.0^</p> <p>87 +47° 1098 4 56.9 +47 36.5 9.0^</p> <p>88 +47° 1103 4 59.5 +47 40.0 8.9^</p> <p>89 +47° 1104 [[/crossed out]] 4 [[/crossed out]] 5 0.4 +47 39.0 9.2^</p> <p>90 +48° 1235 5 2.0 +48 7.8 8.4^</p> <p>91 +47° 1113 5 3.8 +47 59.7 9.1^</p> <p>92 +48° 1241 5 4.2 +48 11.3 8.5^</p> <p>93 +49° 1330 5 4.3 +49 0.8 8.8^</p> <p>94 +49° 1334 5 6.3 +49 10.7 8.5^</p> <p>95 +48° 1245 5 6.5 +48 46.5 8.0^</p> <p>96 +49° 1268 4 45.0 +49 29.4 8.5^</p> <p>97 +49° 1270 4 45.6 +49 32.2 8.8^</p> <p>98 +49° 1271 4 46.0 +49 40.6 7.0^</p> <p>99 +50° 1103 4 50.2 +50 2.1 8.5^</p> <p>100 +50° 1107 4 51.0 +50 2.1 8.5^</p> <p>101 +50° 1108 4 51.2 +50 15.6 9.0^</p> <p>102 +50° 1110 4 51.6 +50 23.3 8.2^</p> <p>103 +51° 1009 4 51.0 +51 28.1 8.6^</p> <p>104 +51° 1005 4 47.7 +51 41.8 8.0^</p> <p>105 +52° 905 4 47.9 +52 14.3 8.0^</p> <p>106 +52° 861 4 27.2 +52 27.3 8.5^</p> <p>107 +51° 973 4 35.6 +51 44.9 8.1^</p>

108|+51° 976|4 36.0|+51 22.1 |8.8^|
cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

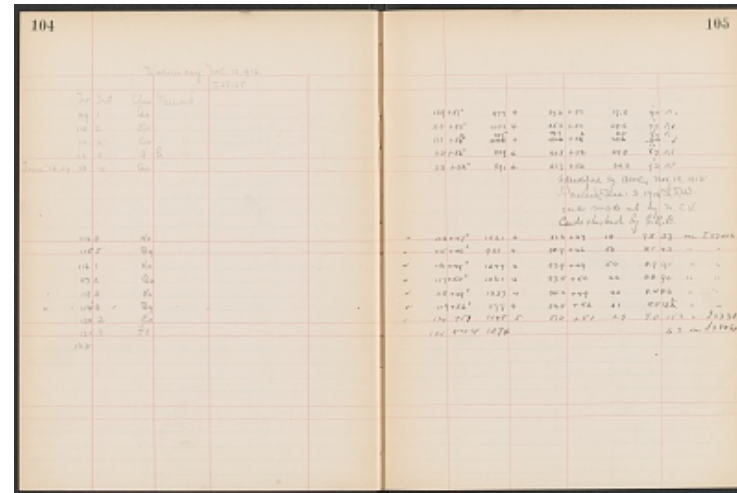
104
Wednesday Nov. 13, 1912
I 38125

[[4 column table]]
No. | Int. | Class | Remark
109 | 1 | A0
110 | 2 | K2
111 | 2 | K0
112 | 3 | FJE
Time: 12.24 113 | 10 | A0

114 | 3 | K0
115 | 5 | B9
116 | 1 | K0
117 | 2 | A0
118 | 3 | K0
119 | 3 | B9
120 | 2 | K0
121 | 3 | F0
122 |

105

[[5 column table]]
109 | +51° 977 | 4 37.2 | +51 17.8 | 9.0^
110 | +50° 1051 | 4 35.3 | +50 49.4 | 7.7^
111 | +51 | 0 | 2° | 1108 |
out | 885 | 4 | 51.2 | 39.7 | +5 |
out | 0 | 2 | 15.6 | 8.5 |
out | 9.0 | 8.7^
112 | +52° 889 | 4 40.8 | +52 29.9 | 8.7^
113 | +52° 891 | 4 41.7 | +52 34.3 | 7.2^
Identified by AMC Nov. 19, 1912
Checked Dec. 3, 1912 L.D.W.
cards made out by M.C.W.
Cards checked by B.R.B.
114 | +47° 1021 | 4 31.6 | +47 18 | 7.8 37 on I 37406
115 | +46° 921 | 4 38.7 | +46 56 | 8.1 43 on I 37406
116 | +49° 1247 | 4 37.9 | +49 50 | 8.7 91 on I 37406
117 | +50° 1061 | 4 37.5 | +50 22 | 8.8 90 on I 37406
118 | +49° 1237 | 4 35.2 | +49 40 | 8.4 86 on I 37406
119 | +52° 877 | 4 34.5 | +52 31 | 8.5 13 | 3 | 2 on 37406
120 | +51 1048 | 5 5.0 | +51 29 | 9.0 153 on I 37366
121 | +44 1074 | 69 on I 38088



Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

106
 Friday, Nov. 15 1912
 Time: 10.43 B15165 short disp.

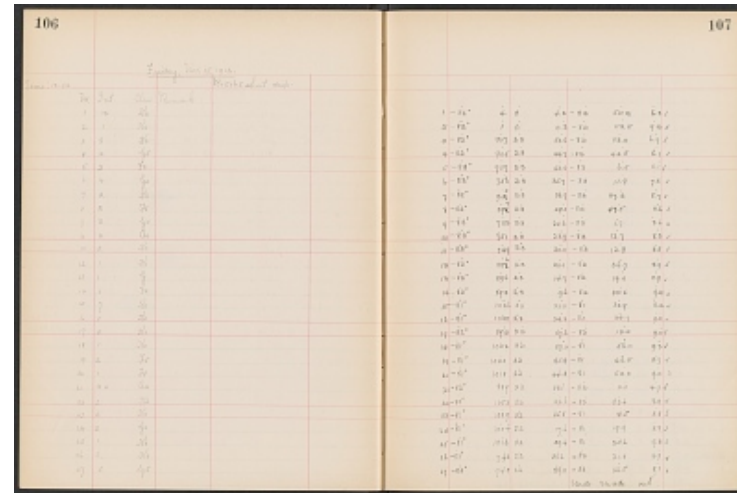
[[4 column table]]

No.	Int.	Class	Remark
1	10	K0	
2	1	K0	
3	8	K0	
4	10	G5	
5	3	F2	
6	4	G0	
7	2	K2	
8	2	F8	
9	2	G5	
10	4	A0	
11	2	K0	
12	1	K0	
13	1	G	
14	1	F5	
15	7	K0	
16	1	K0	
17	1	K0	
18	1	K0	
19	2	F5	
20	1	F8	
21	10+	A2	
22	2	K2	
23	2	K0	
24	2	G0	
25	1	K0	
26	3	K0	
27	5	G5	

107

[[9 column table]]

1	-82°	4	0	4.3	-82	55.2	6.3	
2	-82°	1	0	0.3	-82	53.5	9.2	
3	-82°	907	23	50.6	-82	52.0	6.7	
4	-82°	905	23	44.7	-82	42.8	6.1	
5	-83°	757	23	40.0	-83	6.5	8.1	
6	-83°	756	23	35.7	-83	11.9	7.8	
7	-82°	90	[[strikethrough]]	1	[[strikethrough]]	0	23	36.7
8	-82°	89	[[strikethrough]]	8	[[strikethrough]]	7	23	29.0
9	-83°	752	23	25.6	-83	1.7	8.6	
10	-83°	751	23	23.9	-83	12.7	8.3	
11	-83°	749	23	20.0	-83	12.9	8.8	
12	-82°	89	[[strikethrough]]	7	[[strikethrough]]	6	23	20.1
13	-82°	894	23	14.7	-82	19.0	8.9	
14	-82°	893	23	9.6	-82	35.4	9.2	
15	-81°	1036	23	23.0	-81	30.9	8.2	
16	-81°	1038	23	24.3	-81	24.7	9.0	
17	-82°	892	22	57.6	-82	13.2	9.0	
18	-81°	1022	22	57.0	-81	56.0	9.3	
19	-81°	1020	22	45.4	-81	46.5	8.7	
20	-81°	1018	22	44.3	-81	53.0	9.0	
21	-82°	889	22	33.1	-82	2.0	4.7	
22	-80°	1053	22	32.6	-80	53.6	8.8	
23	-81°	1009	22	25.8	-81	4.5	8.8	
24	-81°	1004	22	17.6	-81	19.9	8.8	
25	-81°	1012	22	29.4	-81	35.2	9.3	



|26|-83°|742|22|38.2|-83|21.8|8.7||
|27|-83°|743|22|49.8|-83|22.5|8.1||
cards made out

Project PHaEDRA - Annie Jump Cannon 54
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108
Friday, Nov. 15, 1912.

[[5 column table]]

No.	Int.	Class	Remark		
			B15165 Short Dist		
28	1	G5			
29	2	K0			
30	3	K0			
31	2	K5			
33	1	K5			
34	1	K0			
35	2	F5			
36	1	G5			
37	1	K0			
38	2	K0			
39	1	K0			
40	2	G0			
41	3	G0			
42	1	K0			
43	3	A2			
44	1	K5			
10.50	45	1	G0		
46	5	A0			
47	7	A0			
48	4	A0			
49	5	A2			
[[/strickethrough]]49[[/strickethrough]]^[[50]] 5 F5					
5[[/strickethrough]]0[[/strickethrough]]^[[1]] 4 A0 CANT BB 138,130					

[[end page]]
[[start page]]

109

[[5 column table]]

28	-84°	655	23 14.6	-84 14.1 8.8	
29	-83°	755	23 34.2	-83 49.5 8.9	
30	-83°	760	23 49.6	-83 40.7 8.5	
31	-84°	661	23 54.8	-84 131. 8.7	
32	-84°	1	0 0.0	-84 47.6 9.0	
33	-85°	560	23 50.4	-85 1.6 9.2	
34	-84°	3	0 3.4	-84 7.6 8.7	
35	-83°	5	0 18.5	-83 22.5 8.7	
36	-83°	3	0 13.3	-83 37.0 9.2	
37	-83°	8	1 30.1	-81 51.0 8.9	
38	-81°	28	1 30.1	-81 51.0 8.9	
39	-81°	26	1 25.5	-81 31.1 9.2	

108	109
<p>Friday, Nov. 15, 1912.</p> <p>[[5 column table]]</p> <p>28 1 G5</p> <p>29 2 K0</p> <p>30 3 K0</p> <p>31 2 K5</p> <p>33 1 K5</p> <p>34 1 K0</p> <p>35 2 F5</p> <p>36 1 G5</p> <p>37 1 K0</p> <p>38 2 K0</p> <p>39 1 K0</p> <p>40 2 G0</p> <p>41 3 G0</p> <p>42 1 K0</p> <p>43 3 A2</p> <p>44 1 K5</p> <p>10.50 45 1 G0</p> <p>46 5 A0</p> <p>47 7 A0</p> <p>48 4 A0</p> <p>49 5 A2</p> <p>[[/strickethrough]]49[[/strickethrough]]^[[50]] 5 F5 </p> <p>5[[/strickethrough]]0[[/strickethrough]]^[[1]] 4 A0 CANT BB 138,130 </p>	<p>[[5 column table]]</p> <p>28 -84° 655 23 14.6 -84 14.1 8.8</p> <p>29 -83° 755 23 34.2 -83 49.5 8.9</p> <p>30 -83° 760 23 49.6 -83 40.7 8.5</p> <p>31 -84° 661 23 54.8 -84 131. 8.7</p> <p>32 -84° 1 0 0.0 -84 47.6 9.0</p> <p>33 -85° 560 23 50.4 -85 1.6 9.2</p> <p>34 -84° 3 0 3.4 -84 7.6 8.7</p> <p>35 -83° 5 0 18.5 -83 22.5 8.7</p> <p>36 -83° 3 0 13.3 -83 37.0 9.2</p> <p>37 -83° 8 1 30.1 -81 51.0 8.9</p> <p>38 -81° 28 1 30.1 -81 51.0 8.9</p> <p>39 -81° 26 1 25.5 -81 31.1 9.2</p>

40	-81°	25	1	20.5	-81	40.2	9.0		
41	-83°	24	1	11.4	-83	12.4	8.5		
42	-82°	18	1	7.7	-82	44.4	9.0		
43	-83°	22	1	7.7	-83	34.2			
8.	8	8	2						
44	-83°	16	0	53.4	-83	20.8	8.9		
45	-83°	12	0	46.0	-83	11.1	9.2		

Identified by AMC Nov. 19, 1912
 Checked by J.B.W. Nov. 26, 1912
 cards made out by M.C.W.
 Cards checked by B.R.B.

46	-81	22	1	17.1	-81	53	8.6		100 on B38135
47	-83	10	0	36.8	-83	43	7.8		72 on B15173
48	-84	6	0	17.5	-84	26	8.3		69 on B15173
49	-81	1029	23	8.0	-81	6	7.6		39 on B38135
50	-81	1027	23	6.2	-81	12	8.1		37 on B38135
51	-79	1244	23	50.9	-79	58	7.7		150 on B38135

Project PHaEDRA - Annie Jump Cannon 54
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110
 Friday, Nov. 15, 1912
 Time: 11.00 B11989 short disp.
 No. | Int. | Class | Remark |
 1 | 5 | G5
 2 | 8 | G0
 3 | 3 | K0
 4 | 4 | G5
 11.11 5 | 1 | K0

111
 1 | -82° 28' 1 39.9 | -82 55 7.8 |
 2 | -83° 27' 1 41.3 | -83 37 6.3 |
 3 | -83° 28' 1 42.4 | -83 52 8.2 |
 4 | -83° 30' 1 47.7 | -83 59 7.7 |
 5 | -84° 14' 0 46.6 | -84 54 8.8 |
 Ident. on cards by AMC Dec. 31, 1914
 Ident. in book by JCM Dec. 31, 1914
 Identification compare by B.R.B. Dec. 31, 1914

110		111	
Friday, Nov. 15, 1912			
Time: 11.00 B11989 short disp.			
No. Int. Class Remark			
1 5 G5			
2 8 G0			
3 3 K0			
4 4 G5			
11.11 5 1 K0			

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

112

Friday, Nov. 15, 1912
Time: 11.15 B15145 short disp.

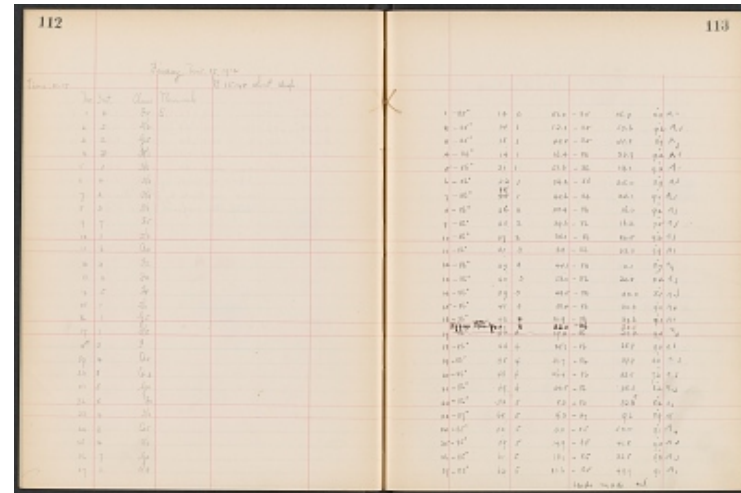
[[4 column table]]

No.	Int.	Class	Remark
1	4	Zeta	[subscript]5
2	3	Kappa	[subscript]0
3	2	Gamma	[subscript]5
4	3	Kappa	[subscript]0
5	1	Kappa	[subscript]0
6	4	Kappa	[subscript]0
7	2	Kappa	[subscript]0
8	2	Kappa	[subscript]0
9	7	Zeta	[subscript]5
10	1	Kappa	[subscript]0
11	6	Alpha	[subscript]0
12	3	Zeta	[subscript]2
13	4	Zeta	[subscript]2
14	5	Zeta	[subscript]8
15	1	Kappa	[subscript]0
16	1	Gamma	[subscript]5
17	1	Kappa	[subscript]5
18	2	Zeta	
19	4	Alpha	[subscript]5
20	8	Alpha	[subscript]3
21	5	Gamma	[subscript]0
22	5	Zeta	[subscript]0
23	4	Kappa	[subscript]0
24	2	Alpha	[subscript]5
25	4	Kappa	[subscript]0
26	7	Gamma	[subscript]0
27	2	Kappa	[subscript]0

113

[[5 column table]]

1	-85°	12	0	51.0	-85	36.9	8.8	^
2	-85°	14	1	12.1	-85	57.6	9.2	^
3	-85°	18	1	45.8	-85	41.8	8.9	^
4	-86°	14	1	16.4	-86	20.7	9.2	^
5	-86°	21	1	51.3	-86	19.1	9.3	^
6	-86°	22	1	54.2	-86	25.0	8.9	^
7	-86°	[[crossed-out]]28[[crossed-out]]18						
8	-86°	26	2	28.4	-86	16.0	9.2	^
9	-86°	28	2	39.6	-86	16.2	7.5	^
10	-86°	27	2	38.1	-86	20.5	9.2	^
11	-86°	31	3	3.8	-86	22.0	7.9	^
12	-86°	37	3	44.1	-86	0.1	8.7	^
13	-86°	40	3	53.0	-86	20.8	8.4	^
14	-86°	39	3	49.5	-86	33.0	8.1	^
15	-86°	41	3	58.4	-86	30.3	9.0	^
16	-86°	42	4	10.9	-86	33.6	9.1	^



17|~~[[crossed-out]]~~-86° 43|4 19.3|-86 27.9 9.4|~~[[crossed-out]]~~Approx
~~[[crossed-out]]~~1900|~~[[crossed-out]]~~1875 pos.|4 28.0|-86 28.0 |^|
 18|-86° 44|4 29.7|-86 28.9 9.0|^|
 19|-86° 45|4 31.7|-86 39.9 8.8|^|
 20|-86° 48|4 36.4|-86 32.5 7.6|^|
 21|-86° 49|4 44.5|-86 28.0 8.2|^|
 22|-86° 53|5 8.3|-86 32.|~~[[crossed-out]]~~8|~~[[crossed-out]]~~9 8.2|^|
 23|-87° 68|5 4.3|-87 9.6 8.9|^|
 24|-85° 53|5 3.3|-85 53.0 9.1|^|
 25|-85° 59|5 14.9|-85 41.8 9.0|^|
 26|-85° 61|5 18.1|-85 32.5 8.3|^|
 27|-85° 32|5 21.6|-85 49.7 9.1|^|

cards made out

Project PHaEDRA - Annie Jump Cannon 54
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114

Friday, Nov. 15, 1912
B15145 short disp.

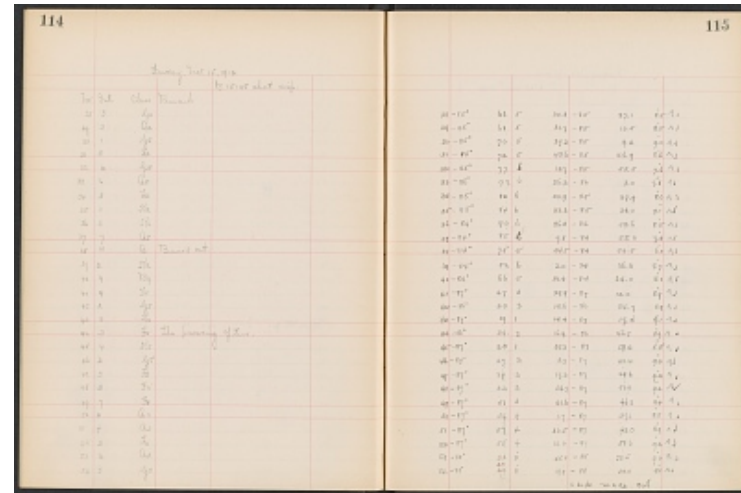
[[4 column table]]

No.	Int.	Class	Remark
28	3	Gamma	[[subscript]]0[[subscript]]
29	3	Alpha	[[subscript]]2[[subscript]]
30	1	Gamma	[[subscript]]5[[subscript]]
31	5	Zeta	[[subscript]]2[[subscript]]
32	10	Gamma	[[subscript]]5[[subscript]]
33	6	Alpha	[[subscript]]5[[subscript]]
34	3	Zeta	[[subscript]]2[[subscript]]
35	1	Kappa	[[subscript]]2[[subscript]]
36	3	Kappa	[[subscript]]0[[subscript]]
37	7	Alpha	[[subscript]]5[[subscript]]
38	10	Alpha	Burned out
39	2	Kappa	[[subscript]]2[[subscript]]
40	4	Beta	[[subscript]]9[[subscript]]
41	4	Zeta	[[subscript]]5[[subscript]]
42	2	Gamma	[[subscript]]5[[subscript]]
43	3	Kappa	[[subscript]]0[[subscript]]
44	3	Zeta	[[subscript]]5[[subscript]] The preceding of two.
45	4	Kappa	[[subscript]]5[[subscript]]
46	2	Gamma	[[subscript]]5[[subscript]]
47	3	Zeta	[[subscript]]8[[subscript]]
48	3	Zeta	[[subscript]]0[[subscript]]
49	7	Zeta	[[subscript]]8[[subscript]]
50	4	Alpha	[[subscript]]0[[subscript]]
51	4	Alpha	[[subscript]]2[[subscript]]
52	3	Zeta	[[subscript]]0[[subscript]]
53	4	Alpha	[[subscript]]2[[subscript]]
54	5	Gamma	[[subscript]]5[[subscript]]

115

[[5 column table]]

28	-85°	66	5	30.3	-85	37.1	8.5	^
29	-85°	68	5	31.7	-85	10.5	8.5	^
30	-85°	70	5	37.2	-85	9.4	9.0	^
31	-85°	72	5	42.6	-85	46.9	8.6	^
32	-85°	77	6	12.7	-85	55.5	7.6	^
33	-86°	77	6	26.2	-86	3.0	7.8	^
34	-85°	82	6	30.9	-85	37.9	8.0	^
35	-85°	84	6	33.2	-85	28.0	9.1	^
36	-84°	90	6	36.3	-84	59.6	8.5	^
37	-84°	85	6	7.8	-84	55.0	7.8	^
38	-84°	75	5	54.5	-84	50.5	6.0	^
39	-84°	82	6	2.0	-84	36.3	8.7	^
40	-84°	66	5	31.4	-84	24.0	8.1	^
41	-87°	47	3	29.9	-87	10.0	8.9	^
42	-86°	33	3	18.6	-86	54.7	8.9	^
43	-87°	19	1	14.4	-87	17.4	9.1	^



44-86°	24	2	16.4	-86	46.7	8.9	^
45-87°	23	1	35.2	-87	59.4	8.8	^
46-87°	27	2	3.7	-87	48.4	9.2	^
47-87°	29	2	17.2	-87	49.6	9.0	^
48-87°	32	2	54.7	-87	51.8	9.2	^
49-87°	51	3	41.6	-87	46.2	8.4	^
50-87°	54	4	1.7	-87	37.1	8.8	^
51-87°	5	4					
					20.5	-87	42.0 8.9 ^
52-87°	55	4	12.0	-87	58.6	9.2	^
53-88°	32	3	45.0	-88	22.5	9.0	^
54-88°	27	3			19.9	-88	40.0 8.8 ^

cards made out

Project PHaEDRA - Annie Jump Cannon 54
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116

Friday, Nov. 15, 1912.

B1[[crossed-out]]4[[\crossed-out]]5145 short disp.

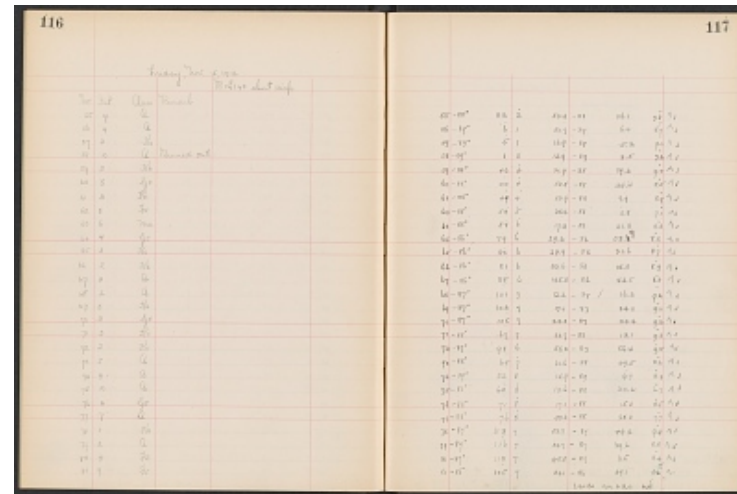
[[4 column table]]

No.	Int.	Class	Remark
55	9	A	
56	4	A	
57	2	K0	
58	10	A	Burned out
59	3	K0	
60	5	G5	
61	3	F0	
62	8	F5	
63	6	Ma	
64	4	G5	
65	3	K0	
66	2	K0	
67	2	A	
68	2	A	
69	3	K0	
70	3	G5	
71	3	K0	
72	2	K0	
73	5	A	
74	4	A	
75	10	A	
76	4	G5	
77	7	A	
78	1	K0	
79	2	A	
80	4	F2	
81	9	F5	

117

[[5 column table]]

55	-88°	22	2	50.4	-88	56.1	7.8	^
56	-89°	6	1	50.7	-89	6.4	8.9	^
57	-89°	5	1	16.9	-89	5.2	9.0	^
58	-89°	1	0	12.9	-89	3.5	7.2	^
59	-88°	46	4	31.9	-88	57.2	9.0	^
60	-88°	50	4	52.8	-88	34.4	8.5	^
61	-88°	49	4	50.9	-88	7.9	8.9	^
62	-88°	53	5	28.4	-88	0.8	7.1	^
63	-88°	58	6	17.2	-88	21.3	8.3	^
64	-86°	79	6	29.2	-86	52.0	8.8	^
65	-86°	80	6	29.9	-86	21.6	8.7	^
66	-86°	81	6	32.6	-86	14.8	8.9	^
67	-86°	85	6	45.8	-86	42.5	8.8	^
68	-87°	10	1	12.2	-87	16.3	9.2	^
69	-87°	10	3	17.1	-87	24.0	9.0	^
70	-87°	10	5	23.3	-87	33.4	9.2	^



71	-88°	67	7	33.7	-88	13.1	9.3	^
72	-87°	98	6	55.3	-87	56.4	9.5	^
73	-88°	65	7	21.6	-88	49.5	8.2	^
74	-89°	22	8	14.9	-89	9.7	8.3	^
75	-88°	68	8	10.6	-88	30.2	6.7	^
76	-88°	71	8	17.1	-88	15.4	8.5	^
77	-88°	76	8	58.3	-88	28.0	7.7	^
78	-87°	119	7	53.7	-87	44.2	9.4	^
79	-87°	116	7	50.7	-87	39.6	8.8	^
80	-87°	113	7	45.5	-87	3.5	8.4	^
81	-86°	105	7	30.1	-86	49.1	8.6	^

cards made out

Project PHaEDRA - Annie Jump Cannon 54
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118

Friday, Nov. 15, 1912.
B15145 short disp.

[[4 column table]]

No. | Int. | Class | Remark |

82 | 2 | F0 | |

83 | 3 | A2 | |

84 | 4 | F5 | |

85 | 7 | A2 | |

86 | 5 | A2 | |

87 | 5 | A2 | |

88 | 8 | F5 | |

89 | 5 | K0 | |

90 | 9 | B9 | |

91 | 3 | K2 | |

92 | 3 | K5 | |

93 | 2 | F | |

94 | 10 | A0 | |

95 | 8 | F5 | |

96 | 2 | K2 | |

97 | 5 | G5 | |

98 | 3 | A0 | |

99 | 1 | K5 | |

100 | 3 | K0 | |

101 | 4 | F2 | |
[[left margin]] 11.42

118				119			
Early Nov. 1912							
No.	Int.	Class	Remark	No.	Int.	Class	Remark
82	2	F0		90	9	B9	
83	3	A2		91	3	K2	
84	4	F5		92	3	K5	
85	7	A2		93	2	F	
86	5	A2		94	10	A0	
87	5	A2		95	8	F5	
88	8	F5		96	2	K2	
89	5	K0		97	5	G5	
90	9	B9		98	3	A0	
91	3	K2		99	1	K5	
92	3	K5		100	3	K0	
93	2	F		101	4	F2	
94	10	A0					
95	8	F5					
96	2	K2					
97	5	G5					
98	3	A0					
99	1	K5					
100	3	K0					
101	4	F2					

102 | 10 | B0 | |

103 | 7 | K0 | |

104 | 4 | G0 | |

105 | 3 | F8 | |

119

[[8 column table]]

82 | -86° | 106 | 7 | 31.4 | -86 | 43.2 | 8.8 ^ |

83 | -85° | 108 | 7 | 32.1 | -85 | 45.0 | 8.9 ^ |

84 | -85° | 118 | 7 | 45.9 | -85 | 59.2 | 8.7 ^ |

85 | -85° | 137 | 8 | 8.0 | -85 | 34.9 | 8.0 ^ |

86 | -85° | 129 | 8 | 0.1 | -85 | 7.1 | 8.3 ^ |

87 | -84° | 128 | 7 | 30.6 | -84 | 47.5 | 8.3 ^ |

88 | -83° | 142 | 7 | 5.2 | -83 | 49.6 | 7.9 ^ |

89 | -83° | 151 ~~[[strikethrough]]~~ 155 ~~[[\strikethrough]]~~ | 7 ~~[[strikethrough]]~~
7 ~~[[\strikethrough]]~~ | 17.3 ~~[[strikethrough]]~~ 20.0 ~~[[\strikethrough]]~~ | -83
~~[[strikethrough]]~~ -83 ~~[[\strikethrough]]~~ | 33.1 ~~[[strikethrough]]~~ 41.6
~~[[\strikethrough]]~~ | 8.4 ~~[[strikethrough]]~~ 9.0 ~~[[\strikethrough]]~~ |

90 | -84° | 132 | 7 | 31.6 | -84 | 13.5 | 7.2 ^ |

91 | -86° | 123 | 8 | 9.4 | -86 | 26.6 | 9.1 ^ |

92 | -86° | 132 | 8 | 22.5 | -86 | 14.2 | 9.1 ^ |

93 | -86° | 137 | 8 | 42.4 | -86 | 22.4 | 8.9 ^ |

94 | -86° | 138 | 8 | 44.5 | -86 | 8.0 | 6.8 ^ |

95 | -87° | 138 | 9 | 2.7 | -87 | 16.6 | 7.3 ^ |

96 | -87° | 147 | 9 | 25.5 | -87 | 44.9 | 9.0 ^ |

97 | -87° | 151 | 9 | 42.5 | -87 | 44.1 | 7.6 ^ |

98 | -86° | 152 | 9 | 5.7 | -86 | 44.8 | 8.7 ^ |

99 | -86° | 146 | 8 | 57.6 | -86 | 22.2 | 9.5 ^ |

100 | -86° | 155 | 9 | 16.7 | -86 | 3.6 | 8.7 ^ |

101 | -85° | 169 | 8 | 47.6 | -85 | 56.6 | 8.3 ^ |

Identified by A.M.C. Nov. 20, 1912
Checked Nov. 25, 1912 L.W.W.
Cards made out by M.C.W.
Cards checked by S.R.B.

102 | -84° | 48 | 4 | 34.4 ~~43.4~~ | -84 |
46.4 | 6.7 |

103 | -85 | 33 | 2 | 51.4 | -85 | 33 | 8.1 | 173 on B20538

104 | -85 | 37 | 3 | 25.1 | -85 | 44 | 8.7 | 176 on B20538

105 | -85 | 42 | 3 | 59.1 | -85 | 2 | 8.7 | 183 on B20538

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

22|-88 40|4 3.0| 88 59.7|9.9
23|-89 10|3 17.8|-89 24.0|9.9
24|-89 56|22 13.2|-89 23.0|9.7
25|-89 51|20 47.5|-89 20.7|9.7
25a|-89 52|20 51.1|-89 21.9|9.7
26|-89 53|21 3.8|-89 25.5|6.5
27|-89 50|20 10.0|-89 26.6|9.2
Cards Made Out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

122

Friday, Nov. 15, 1912.

[[four column table]]

---|---|B22980 short disp.|---

No.|Int. Class|Remark|---|---

28|4 K5|---|---

29|7 A0|---|---

30|7 G0|---|---

31|6 A2|---|---

32|7 G5|---|---

33|2 A0|---|---

34|1 K|---|---

35|3 K5|---|---

36|3 K5|---|---

37|10 K0|---|---

38|3 A5|---|---

39|5 K2|---|---

40|4 F2|---|---

41|4 K0|---|---

42|6 K0|---|---

43|6 K0|---|---

44|2 K5|---|---

45|4 G5|---|---

46|2 A3|---|---

47|2 A0|---|---

48|3 K0|---|---

49|2 K5|---|---

50|7 K2|---|---

51|7 A0|---|---

52|6 A0|---|---

53|1 G5|---|---

54|3 K5|---|---

123

[[8 Column Table]]

28 | -88° | 175 | 19 | 26.6 | -88 | 51.5 | 9.4 |

29 | -88° | 170 | 19 | 9.1 | -88 | 26.8 | 8.7 |

30 | -88° | 169 | 18 | 55.1 | -88 | 6.0 | 8.5 |

31 | -87° | 293 | 19 | 17.9 | -87 | 59.7 | 8.7 |

32 | -87° | 295 | 19 | 22.0 | -87 | 48.4 | 8.4 |

33 | -87° | 296 | 19 | 38.1 | -87 | 54.5 | 9.2 |

34 | -87° | 299 | 20 | 14.6 | -87 | 51.9 | 9.6 |

35 | -87° | 291 | 19 | 3.4 | -87 | 6.2 | 9.4 |

122				123			
Friday, Nov. 15, 1912.							
No.	Int.	Class	Remark	No.	Int.	Class	Remark
28	4	K5		40	4	K5	
29	7	A0		41	4	K5	
30	7	G0		42	6	K0	
31	6	A2		43	6	K0	
32	7	G5		44	2	K5	
33	2	A0		45	4	G5	
34	1	K		46	2	A3	
35	3	K5		47	2	A0	
36	3	K5		48	3	K0	
37	10	K0		49	2	K5	
38	3	A5		50	7	K2	
39	5	K2		51	7	A0	
40	4	F2		52	6	A0	
41	4	K0		53	1	G5	
42	6	K0		54	3	K5	
43	6	K0					
44	2	K5					
45	4	G5					
46	2	A3					
47	2	A0					
48	3	K0					
49	2	K5					
50	7	K2					
51	7	A0					
52	6	A0					
53	1	G5					
54	3	K5					

36 | -87° | 282 | 18 | 7.5 | -87 | 18.3 | 9.4 |
 37 | -87° | 274 | 17 | 41.2 | -87 | 39.4 | 7.2 |
 38 | -88° | 160 | 17 | 39.0 | -88 | 21.3 | 9.4 |
 39 | -88° | 158 | 17 | 16.6 | -88 | 57.2 | 9.2 |
 40 | -88° | 153 | 16 | 45.8 | -88 | 35.9 | 9.2 |
 41 | -88° | 150 | 16 | 33.1 | -88 | 42.7 | 9.3 |
 42 | -88° | 147 | 16 | 14.8 | -88 | 48.5 | 8.6 |
 43 | -88° | 142 | 15 | 40.0 | -88 | 57.9 | 8.8 |
 44 | -88° | 133 | 14 | 52.8 | -88 | 53.8 | 9.5 |
 45 | -88° | 141 | 15 | 38.9 | -88 | 37.5 | 9.2 |
 46 | -88° | 139 | 15 | 25.5 | -88 | 35.2 | 9.4 |
 47 | -88° | 137 | 15 | 5.7 | -88 | 27.8 | 9.3 |
 48 | -88° | 135 | 15 ~~15~~ ~~14~~ | 1.4
~~15~~ ~~-88~~ | 11.7 | 9.5 |
 49 | -88° | 131 | 14 | 46.0 | -88 | 5.3 | 9.7 |
 50 | -88° | 130 | 14 | 22.3 ~~4.3~~ | -88 | 9.5
 | 8.8 |
 51 | -87° | 241 | 15 | 7.7 | -87 | 36.6 | 8.5 |
 52 | -87° | 247 | 15 | 27.4 | -87 | 24.2 | 8.7 |
 53 | -87° | 243 | 15 | 12.7 | -87 | 30.1 | 9.4 |
 54 | -87° | 246 | 15 | 21.7 | -87 | 10.9 | 9.9 |

Cards Made Out

Project PHaEDRA - Annie Jump Cannon 54
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124
Friday Nov. 15, 1912
B22980 Short Disp.

[[4 Column Table]]

No. | Int. | Class | Remarks |

55	5	F2	
56	7	F2	
57	2	K0	
58	2	Mb	
59	4	G5	
60	10	G5	
61	1	K0	
62	2	K2	
63	3	K5	
64	5	K5	
65	7	K2	
66	2	F0	

[[left margin]]

12.00

[[left margin]]

67 | 4 | Ma | Mb with H~~delta~~ ~~gamma~~
bright=10. H delta=12.

[[left margin]]

12.07

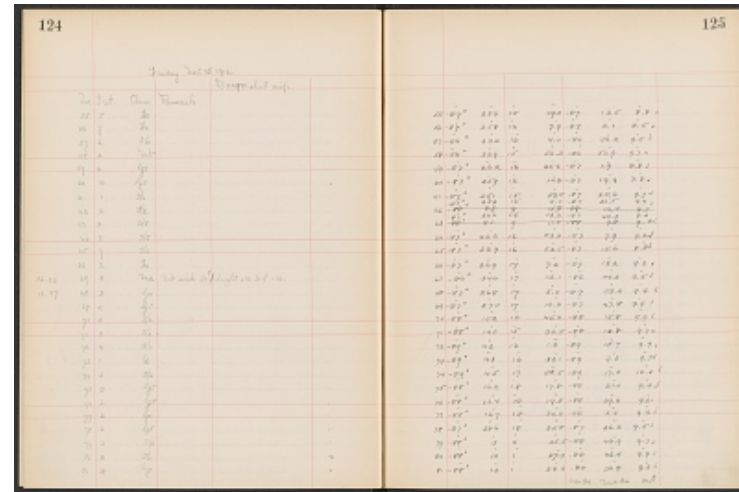
[[left margin]]

68	3	G5	
69	2	G5	
70	3	K2	
71	2	K0	
72	4	K0	
73	1	A	
74	2	K0	
75	3	G5	
76	2	G5	
77	2	G0	
78	2	G5	
79	3	K2	
80	3	K0	
81	4	G5	

125

[[8 column table]]

55	-87° 250	15 49.0	-87 13.5	8.8	
56	-87° 258	16 7.9	-87 3.1	8.5	
57	-86° 332	16 4.0	-86 56.2	9.5	
58	-86° 329	15 56.3	-86 50.9	9.7	
59	-87° 262	16 20.4	-87 1.9	8.8	
60	-87° 259	16 10.8	-87 19.9	7.8	
61	-87° 251	15 53.5	-87 25.6	9.7	
62	-87° 88°		253 83		
	16	9	0.7		
	15.8	-87	-88		



~~36.5~~ ~~14.4~~ ~~9.9~~
~~9.7~~ ~~81~~
63 | -87° ~~260~~ ~~81~~
~~16~~ ~~9~~ ~~12.2~~
~~11.0~~ ~~-87~~ ~~-88~~
~~40.3~~ ~~9.8~~ ~~9.4~~
~~9.4~~
64 | -87° 266 | 16 53.4 | -87 7.9 | 9.2 |
65 | -87° 267 | 16 53.5 | -87 15.6 | 8.8 |
66 | -87° 269 | 17 7.2 | -87 13.2 | 9.3 |
67 | -86° 346 | 17 13.1 | -86 44.3 | 9.5 |
68 | -87° 268 | 17 5.0 | -87 53.2 | 9.4 |
69 | -87° 270 | 17 10.6 | -87 47.8 | 9.4 |
70 | -88° 152 | 16 45.6 | -88 15.8 | 9.9 |
71 | -88° 140 | 15 34.5 | -88 12.8 | 9.7 |
72 | -89° 42 | 16 1.3 | -89 15.7 | 9.9 |
73 | -89° 43 | 16 32.1 | -89 9.3 | 9.7 |
74 | -89° 45 | 17 38.5 | -89 17.0 | 10.3 |
75 | -88° 162 | 18 17.8 | -88 31.0 | 9.4 |
76 | -88° 164 | 18 19.8 | -88 39.6 | 9.6 |
77 | -88° 167 | 18 30.0 | -88 3.4 | 9.4 |
78 | -87° 286 | 18 35.8 | -87 36.2 | 9.5 |
79 | -88° 3 | 0 25.5 | -88 48.9 | 9.7 |
80 | -88° 10 | 1 27.3 | -88 46.4 | 9.9 |
81 | -88° 13 | 1 38.6 | -88 30.8 | 9.3 |

cards made out

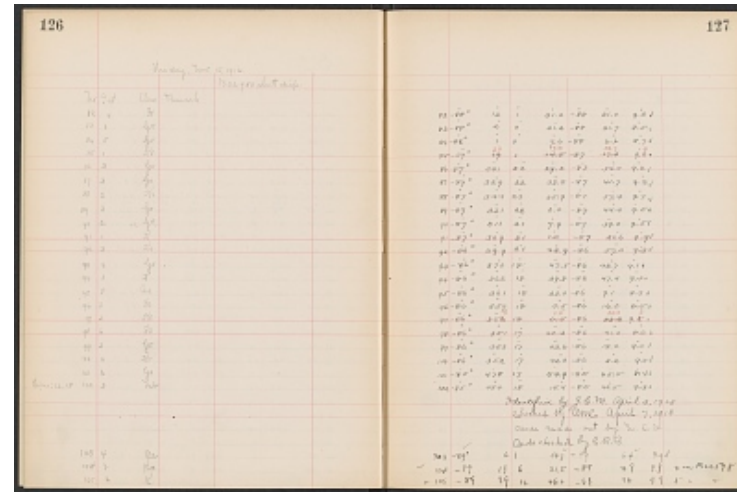
Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

126
 Friday, Nov. 15, 1912.
 [[4 column table]]
 No|Int|Class|Remark

82 4 F8
 83 6 G5
 84 5 G5
 85 1 K5
 86 3 G5
 87 3 G0
 88 2 K2
 89 3 G5
 90 2 G5
 91 1 K
 92 3 K0
 93 4 G5
 94 1 K
 95 8 A2
 96 8 F2
 97 2 K5
 98 6 F2
 99 3 G5
 100 4 K5
 101 6 G0
 Time: 12.15 | 102 | 3 | Mb |
 103 4 A2
 104 2 R0
 105 2 R

127
 [[5 column table]]
 82 -88° 12 | 1 31.0 | -88 21.0 | 9.3 | [[check mark]]
 83 -88° 2 | 0 21.2 | -88 21.7 | 8.5 | [[check mark]]
 84 -88° 1 | 0 7.6 | -88 6.6 | 8.7 | [[check mark]]
 85 -87° 20 | 1 17.3 | -87 52.7 | 9.9 | [[check mark]]
 86 -87° 34 | 23 29.3 | -87 34.0 | 9.2 | [[check mark]]
 87 -87° 329 | 22 32.0 | -87 41.7 | 9.3 | [[check mark]]
 88 -87° 344 | 23 35.9 | -87 57.4 | 9.7 | [[check mark]]
 89 -87° 321 | 22 0.0 | -87 44.4 | 9.5 | [[check mark]]
 90 -87° 311 | 21 7.9 | -87 39.0 | 9.5 | [[check mark]]
 91 -87° 309 | 21 1.0 | -87 21.6 | 9.9 | [[check mark]]
 92 -86° 399 | 21 42.9 | -86 57.0 | 9.3 | [[check mark]]
 93 -86° 370 | 18 47.5 | -86 42.7 | 9.1 | [[check mark]]
 94 -86° 366 | 18 39.8 | -86 47.4 | 9.4 | [[check mark]]
 95 -86° 361 | 18 22.0 | -86 9.1 | 8.3 | [[check mark]]
 96 -86° 357 | 18 0.5 | -86 16.0 | 8.5 | [[check mark]]
 97 -86° 358 | 18 1.5 | -86 35.0 | 9.3 | [[check mark]]
 98 -86° 351 | 17 40.3 | -86 41.0 | 8.6 | [[check mark]]
 99 -86° 353 | 17 43.6 | -86 18.4 | 9.0 | [[check mark]]
 100 -86° 352 | 17 42.0 | -86 2.2 | 9.0 | [[check mark]]
 101 -85° 478 | 17 54.9 | -85 45.5 | 8.4 | [[check mark]]
 102 -85° 484 | 18 15.4 | -85 40.5 | 9.3 | [[check mark]]
 Identified by J.C.M. April 3, 1913
 Checked by AMC. April 7, 1913
 Card made out by M.C.W.
 Cards checked by G.R.B.

103 -89° 6 | 1 50.7 | -89 6.4 | 8.9
 104 -89° 19 | 6 21.5 | -89 49 | 9.9 4 on B 22578
 105 -89° 39 | 12 48.2 | -89 34 | 9.9 5 on B 22578



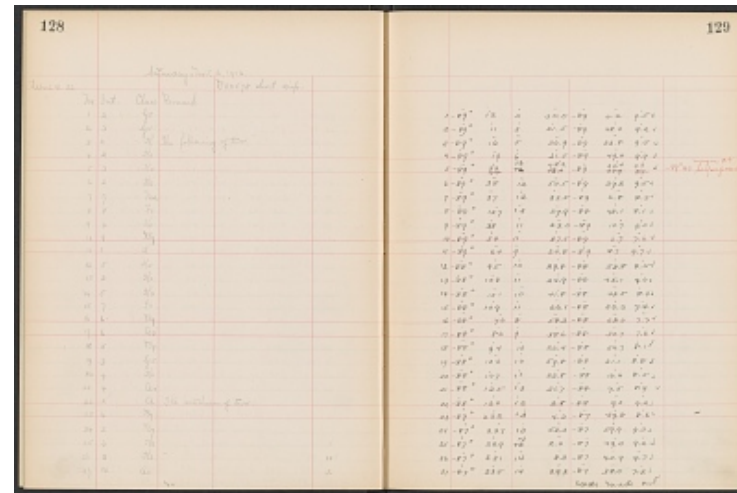
Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

128
 Saturday, Nov. 16, 1912.
 Time. 10.22 B22578 short disp.

[[4 columned table]]
 No|Int.|Class|Remark|
 1|2|G5| |
 2|3|G5| |
 3|2|K|The following of two.|
 4|2|K0| |
 5|3|K0| |
 6|2|K0| |
 7|7|Ma| |
 8|8|F0| |
 9|4|K0| |
 10|9|B9| |
 11|1|K| |
 12|5|K5| |
 13|3|K2| |
 14|5|K0| |
 15|7|F0| |
 16|6|B9| |
 17|6|A3| |
 18|5|B9| |
 19|3|G5| |
 20|4|K0| |
 21|4|A0| |
 22|2|A|The southern of two.|
 23|3|B9| |
 24|3|B9| |
 25|3|K2| |
 26|2|K2| |
 27|10|A0| |

129

[[5 columned table]]
 1|-89° 12|3 35.5|-89 6.2|9.5|
 2|-89° 11|3 21.5|-89 48.4|9.2|
 3|-89° 16|5 36.9|-89 32.8|9.5|
 4|-89° 19|6 21.5|-89 49.4|9.9|
 5|-89° 39|~~40~~|13
~~12~~|~~48.2~~|-89 34.4
~~33.9~~|9.9
~~9.9~~|-89° 40 magn. 9.9 Superposed
 6|-89° 38|12 50.5|-89 37.5|9.5|
 7|-89° 37|12 33.5|-89 6.8|8.3|
 8|-88° 127|13 57.9|-88 48.1|8.1|
 9|-89° 33|11 23.0|-89 10.7|9.0|
 10|-89° 34|11 27.5|-89 6.7|7.6|
 11|-89° 24|9 24.8|-89 8.7|9.7|
 12|-88° 95|10 29.8|-88 52.8|8.5|
 13|-88° 108|11 24.9|-88 45.1|9.0|
 14|-88° 101|10 41.8|-88 43.5|8.4|
 15|-88° 109|11 26.1|-88 33.3|7.4|
 16|-88° 76|8 58.3|-88 28.0|7.7|
 17|-88° 86|9 38.6|-88 30.7|7.6|
 18|-88° 94|10 26.4|-88 24.7|8.1|
 19|-88° 104|10 59.8|-88 21.1|8.8|
 20|-88° 107|11 22.8|-88 16.6|8.5|



21	-88° 125	13 21.7	-88 7.5	8.9
22	-88° 120	13 2.8	-88 9.0	9.2
23	-87° 222	13 4.2	-87 49.8	8.6
24	-87° 227	13 52.3	-87 59.9	9.0
25	-87° 229	~~13~~14 2.0	-87 49.3	9.2
26	-87° 231	14 8.3	-87 40.9	9.7
27	-87° 235	14 29.2	-87 38.0	7.2
 cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

130
 Saturday, Nov. 16, 1912.
 B22578 Short Dist
 [[4 column table]]
 No. | Int. | Class | Remark |

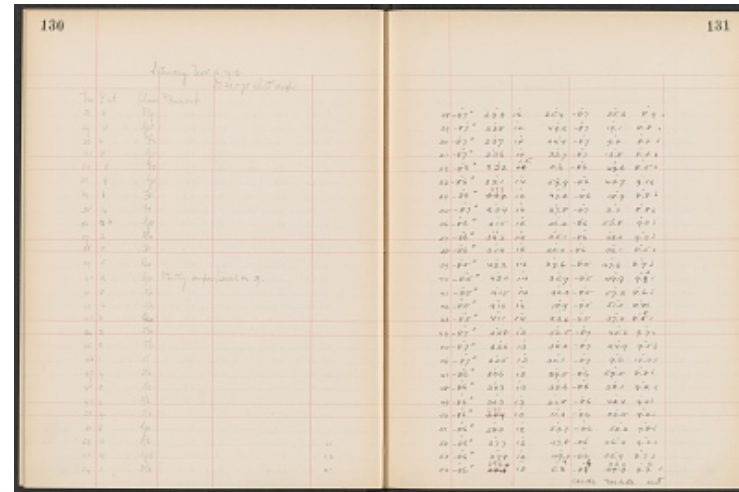
28	3	B9	
29	5	G5	
30	6	F0	
31	8	G5	
32	8	F5	
33	4	G5	
34	6	F8	
35	4	G0	
36	[[STRIKETHROUGH]]B[[STRIKETHROUGH]]3 G0		
37	2	K0	
38	5	F8	
39	5	A0	
40	2	G0	PARTLY SUPERIMPOSED ON 39
41	8	K0	
42	6	K2	
43	6	A0	
44	2	K2	
45	2	K0	
46	1	K	
47	4	K0	
48	5	K2	
49	4	K2	
50	4	K0	
51	8	G0	
52	3	K2	
53	4	G5	
54	1	K2	

[[4 column table]]

131

[[5 column table]]

28	-87°	233	14 25.4	-87 35.2 8.9
29	-87°	238	14 49.2	-87 19.1 8.8
30	-87°	237	14 44.4	-87 9.4 8.4
31	-87°	236	14 33.7	-87 12.8 8.4
32	-86°	322	[[STRIKETHROUGH]]14	[[STRIKETHROUGH]] 15 0.6
49	6 8.5			
33	-86°	321	14 59.9	-86 44.7 9.1
34	-86°	[[STRIKETHROUGH]]237	[[STRIKETHROUGH]]317	14 47.2
18	9 8.8			
35	-87°	234	14 27.8	-87 3.0 8.8
36	-86°	315	14 26.2	-86 53.8 9.3
37	-86°	[[STRIKETHROUGH]]303	[[STRIKETHROUGH]]313	14 25.1
43	0 9.3			
38	-86°	314	14 25.4	-86 39.1 8.5
39	-85°	422	14 37.6	-85 47.6 8.7
40	-85°	420	14 35.7	-85 49.9 9.0
41	-85°	415	14 30.3	-85 57.2 8.6
42	-85°	410	14 18.9	-85 51.0 8.8
43	-85°	411	14 23.6	-85 37.4 8.8
44	-87°	228	13 56.5	-87 45.6 9.7
45	-87°	226	13 32.2	-87 24.9 9.5
46	-87°	225	13 30.1	-87 9.6 10.0
47	-86°	306	13 29.5	-86 59.5 8.8
48	-86°	307	13 32.6	-86 38.1 9.2
49	-86°	303	13 21.8	-86 42.4 9.4



50|-86° ~~289~~299|13 11.4|-86 52.5 9.2||
51|-86° 283|12 53.7|-86 53.2 7.8||
52|-86° 277|12 47.8|-86 46.0 9.2||
53|-86° 278|12 49.0|-86 32.9 8.7||
54|-86° ~~283~~294|13
5.~~6~~9|-
8~~5~~6
~~29.9~~33.0
9~~7~~.6||

cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

132

Saturday, Nov. 16, 1912

B22578 short [[diplo.??]]

[[4 column table]]

No.|Int.|Class|Remark

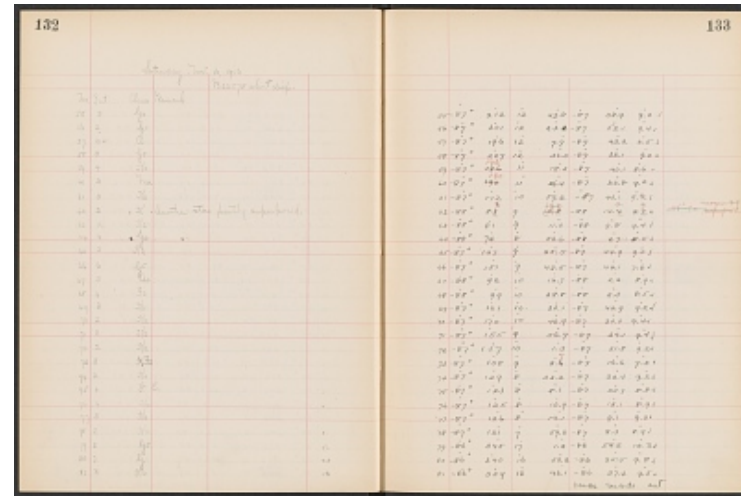
55	3	G0	
56	2	G0	
57	10+	JA	
58	3	G5	
59	4	K0	
60	3	MA	
61	3	K0	
62	2	K	Another star partly superposed.
63	2	K2	
64	4	G0	
65	3	K2	
66	6	G5	
67	3	A0	
68	4	F0	
69	2	K0	
70	2	K2	
71	2	K2	
72	2	K2	
73	8	[[/strickethrough]] K [[/strickethrough]] F2	
74	2	K0	
75	4	F	E.
76	4	K0	
77	3	K0	
78	2	K0	
79	2	G5	
80	2	G	
81	3	K0	

[[/4 column table]]

133

[[5 column table]]

55	-87° 212	12 42.8	-87 38.9 9.0	[[symbol-check]]
56	-87° 201	12 23.2	-87 52.1 9.4	[[symbol-check]]
57	-87° 196	12 7.7	-87 43.2 6.5	[[symbol-check]]
58	-87° 207	12 31.3	-87 26.1 9.0	[[symbol-check]]
59	-87°	[[/strickethrough]] 186	[[/strickethrough]] 176 11 18.3	-87 40.1 8.6
60	-87°	[[/strickethrough]] 190	[[/strickethrough]] 180 11 26.4	-87 33.8 9.0
61	-87° 172	10 59.2	-87 40.1 9.2	[[symbol-check]]
62	-88° 83	9 15.8	-88 14.4 9.7	[[symbol-check]]
63	-88° 81	9 11.0	-88 9.8 9.4	[[symbol-check]]
64	-88° 74	8 56.6	-88 2.7 8.5	[[symbol-check]]
65	-87° 147	9 25.5	-87 44.9 9.0	[[symbol-check]]
66	-87° 151	9 42.5	-87 44.1 7.6	[[symbol-check]]
67	-88° 92	10 16.7	-88 2.4 8.9	[[symbol-check]]
68	-88° 99	10 38.8	-88 2.3 8.5	[[symbol-check]]
69	-87° 161	10 20.1	-87 44.9 9.2	[[symbol-check]]
70	-87° 170	10 46.9	-87 30.0 9.4	[[symbol-check]]
71	-87° 155	9 56.7	-87 24.1 9.4	[[symbol-check]]
72	-87° 157	10 1.3	-87 21.8 9.2	[[symbol-check]]
73	-87° 138	9 2.1	[[/strickethrough]] 6	-87 16.6 7.3



[[symbol-check]]
 74|-87° 129|8 32.2|-87 32.4 9.2 [[symbol-check]]
 75|-87° 123|8 8.1|-87 20.7 8.8 [[symbol-check]]
 76|-87° 125|8 10.9|-87 13.1 8.9 [[symbol-check]]
 77|-87° 126|8 14.|-87 9.1 9.0 [[symbol-check]]
 78|-87° 121|7 59.6|-87 8.3 8.9 [[symbol-check]]
 79|-86° 345|17 1.2|-86 54.2 10.2 [[symbol-check]]
 80|-86° 340|16 50.2|-86 35.5 9.8 [[symbol-check]]
 81|-86° 339|16 46.1|-86 37.4 9.5 [[symbol-check]]
 cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

134
 Saturday, Nov. 16, 1912
 B22578 short [[?]]
 [[4 Columned Table]]
 No. | Int. | Class | Remark
 82 | 8 | F2 |
 83 | 2 | K0 |
 84 | 7 | A2 |
 85 | 10+ | A0 |
 86 | 9 | A5 |
 87 | 7 | F5 |
 88 | 5 | G0 |
 89 | 4 | K0 |
 90 | 2 | F5 |
 91 | 3 | F5 |
 92 | 3 | K0 | Another star [[?]]
 93 | 6 | F8 |
 94 | 3 | G0 |
 95 | 3 | G5 |
 96 | 4 | G0 |
 97 | 5 | G5 |
 98 | 3 | A0 |
 99 | 5 | F0 |
 Time: 10.44 100 | 4 | G5 |

135
 [[5 Columned Table]]
 82 | -86° 338 | 16 44.0 | -86 44.3 | 8.2
 83 | -86° 335 | 16 31.4 | -86 36.9 | 9.8
 84 | -85° 453 | 16 25.0 | -85 59.0 | 8.2
 85 | -86° 333 | 16 14.8 | -86 7.2 | 5.9
 86 | -86° 361 | 18 22.0 | -86 9.1 | 8.3
 87 | -86° 357 | 18 0.5 | -86 16.0 | 8.5
 88 | -85° 478 | ~~18 54.9~~ | -85 45.5 | 8.4
 89 | -86° 352 | 17 42.0 | -86 2.2 | 9.0
 90 | -86° 355 | 17 52.0 | -86 14.6 | 9.3
 91 | -86° 353 | 17 43.6 | -86 18.4 | 9.0
 92 | -86° 358 | 18 11.5 | -86 35.0 | 9.3
 93 | -86° 351 | 17 40.3 | -86 41.0 | 8.6
 94 | -86° 349 | 17 20.0 | -86 34.9 | 9.3
 95 | -86° 348 | 17 16.2 | -86 35.2 | 9.3
 96 | -86° 347 | 17 13.7 | -86 2.5 | 9.1
 97 | -85° 463 | 17 11.4 | -85 45.0 | 9.0
 98 | -85° 459 | 16 56.9 | -85 54.6 | 9.3
 99 | -86° 343 | 16 55.8 | -86 0.6 | 9.0
 100 | -86° 344 | 16 57.6 | -86° 11.1 | 9.1
 Identified by J.C.M. April 3, 1913.
 Checked by A.M.C. April 3, 1913
 cards made out by U.C.W.
 cards checked by S.R.B.

134				135			
Examination of 11/16/12							
No.	Int.	Class	Remark	No.	Int.	Class	Remark
82	8	F2		82	8	F2	
83	2	K0		83	2	K0	
84	7	A2		84	7	A2	
85	10+	A0		85	10+	A0	
86	9	A5		86	9	A5	
87	7	F5		87	7	F5	
88	5	G0		88	5	G0	
89	4	K0		89	4	K0	
90	2	F5		90	2	F5	
91	3	F5		91	3	F5	
92	3	K0	Another star [[?]]	92	3	K0	
93	6	F8		93	6	F8	
94	3	G0		94	3	G0	
95	3	G5		95	3	G5	
96	4	G0		96	4	G0	
97	5	G5		97	5	G5	
98	3	A0		98	3	A0	
99	5	F0		99	5	F0	
Time: 10.44 100 4 G5							

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Monday, Nov. 18, 1912

Time: 11. ~~42~~ 50 B20581 short disp.

[4 columned table]

No. | Int. | Class | Remark

1 | 7 | A0 ||

2 | 5 | K0 ||

3 | 2 | F8 ||

4 | 4 | K0 ||

5 | 9 | B9 ||

6 | 5 | A0 ||

7 | 6 | A2 ||

8 | 3 | G5 ||

9 | 6 | F8 ||

10 | 4 | A2 ||

11 | 2 | A2 ||

12 | 2 | A0 ||

13 | 6 | B9 | E.

13a | 1 | K | E

14 | 1 | A | E.

15 | 1 | A | E.

16 | 2 | G5 | E.

17 | 2 | G0 ||

18 | 5 | F0 ||

19 | 2 | A0 ||

20 | 3 | A | Partly superposed on 21.

21 | 4 | K0 ||

22 | 3 | F5 ||

23 | 2 | A ||

24 | 7 | K2 ||

25 | 6 | A5 ||

26 | 2 | A | Focus poor.

27 | 8 | F2 ||

137

[5 columned table]

1 | -10° 1321 | 5 49.7 | -10 39.7 | 8.0 | ^

2 | -10° 1325 | 5 50. | ~~2~~ | -10 52.6 | 7.8 | ^

3 | -10° 1327 | 5 50.7 | -10 50.4 | 9.0 | ^

4 | -10° 1331 | 5 51.5 | -10 53.6 | 8.5 | ^

5 | -10° 1332 | 5 51.7 | -10 51.8 | 8.0 | ^

6 | -11° 1345 | 5 51.8 | -11 3.6 | 8.5 | ^

7 | -11° 1346 | 5 52.0 | -11 16.3 | 9.0 | ^

8 | -11° 1342 | 5 57.5 | -11 26.1 | 9.2 | ^

9 | -11° 1326 | 5 49.1 | -11 41.0 | 8.5 | ^

10 | -11° 1328 | 5 49.4 | -11 41.9 | 9.0 | ^

11 | -11° 1323 | 5 48.2 | -11 20.8 | 8.9 | ^

12 | -11° 1325 | 5 48.8 | -11 15.5 | 9.3 | ^

13 | -11° 1320 | 5 47.9 | -11 51.1 | 8.5 | ^

13a | -10° 1318 | 5 48.9 | -10 53.2 | 9.0 | ^

14 | -11° 1327 | 5 49.1 | -11 57.1 | 9.3 | ^

15 | -11° 1329 | 5 49.4 | -11 58.4 | 9.4 | ^

16 | -11° 1333 | 5 50.1 | -11 47.2 | 9.0 | ^

17 | -11° 1336 | 5 50.5 | -11 50.8 | 9.1 | ^

18 | -12° 1325 | 5 51.5 | -12 11.7 | 8.5 | ^

19 | -12° 1321 | 5 51.1 | -12 36.2 | 9.3 | ^

20 | -12° 1323 | 5 51.3 | -12 45.1 | 9.2 | ^

21 | -12° 1324 | 5 51.3 | -12 49.6 | 9.0 | ^

22 | -12° 1319 | 5 50.8 | -12 58.9 | 9.0 | ^

23 | -13° 1309 | 5 50.4 | -13 17.4 | 9.5 | ^

24 | -12° 1332 | 5 52.7 | -12 50.7 | 8.4 | ^

136		137	
<p>Time: 11. 42 50 B20581 short disp.</p> <p>No. Int. Class Remark</p>		<p>Time: 11. 42 50 B20581 short disp.</p> <p>No. Int. Class Remark</p>	
1	7	A0	
2	5	K0	
3	2	F8	
4	4	K0	
5	9	B9	
6	5	A0	
7	6	A2	
8	3	G5	
9	6	F8	
10	4	A2	
11	2	A2	
12	2	A0	
13	6	B9	E.
13a	1	K	E
14	1	A	E.
15	1	A	E.
16	2	G5	E.
17	2	G0	
18	5	F0	
19	2	A0	
20	3	A	Partly superposed on 21.
21	4	K0	
22	3	F5	
23	2	A	
24	7	K2	
25	6	A5	
26	2	A	Focus poor.
27	8	F2	

25	-12° 1333	5 52.7	-12 43.1	9.1	^
26	-12° 1336	5 53.4	-12 40.5	9.0	^
27	-12° 1340	5 53.8	-12 10.2	8.5	^
cards made out

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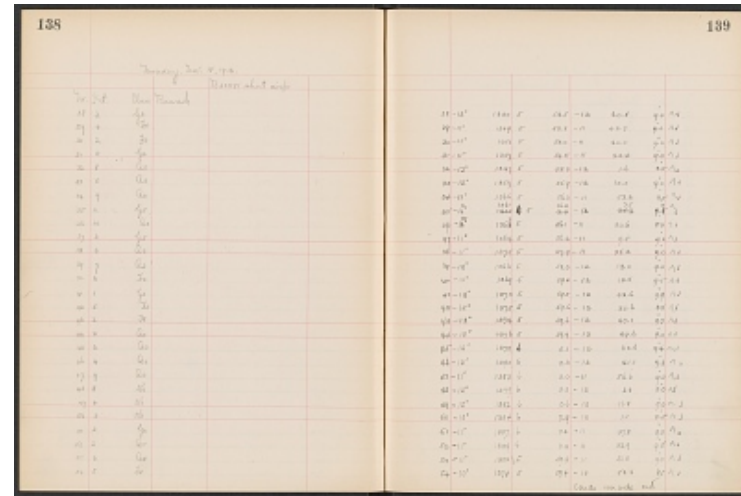
138
Monday, Nov. 18, 1912
B20581 short disp.

[[4 column table]]
No. | Int. | Class | Remark

28 | 2 | G0
29 | 4 | F5
30 | 2 | F8
31 | 5 | G0
32 | 8 | A5
33 | 5 | A2
34 | 9 | A0
35 | 2 | G5
36 | 10 | A0
37 | 2 | G5
38 | 6 | A2
39 | 7 | A3
40 | 2 | F0
41 | 1 | G0
42 | 5 | F5
43 | 2 | F8
44 | 4 | A0
45 | 2 | A3
46 | 4 | A0
47 | 9 | A0
48 | 8 | K0
49 | 4 | K0
50 | 3 | K5
51 | 2 | G0
52 | 2 | A5
53 | 6 | A5
54 | 5 | F5

139
[[5 column table]]

28 | -12° 1330 | 5 | 52.5 | -12 | 20.8 | 9.0 ^
29 | -11° 1349 | 5 | 52.8 | -11 | 42.7 | 9.0 ^
30 | -11° 1351 | 5 | 53.0 | -11 | 40.0 | 9.0 ^
31 | -11° 1357 | 5 | 54.5 | -11 | 42.4 | 9.0 ^
32 | -12° 1347 | 5 | 55.0 | -12 | 1.6 | 8.5 ^
33 | -12° 1359 | 5 | 55.9 | -12 | 10.0 | 9.0 ^
34 | -11° 1366 | 5 | 56.3 | -11 | 53.2 | 8.5 ^
35 | ~~[[[strikethrough]]-11° 1400[[/strikethrough]]-12° 1361]~~
~~[[[strikethrough]]6 3.0[[/strikethrough]]5 56.4]-12~~
~~[[[strikethrough]]25.7[[/strikethrough]]7.5 |~~
~~9. [[[strikethrough]]5[[/strikethrough]]0 ^~~
36 | -11° 136[[strikethrough]]3[[/strikethrough]]3 | 5 | 56.1 | -11 | 20.6 |
8.0 ^
37 | -11° 1364 | 5 | 56.2 | -11 | 9.5 | 9.0 ^
38 | -11° 1375 | 5 | 57.9 | -11 | 28.2 | 9.0 ^
39 | -12° 1366 | 5 | 58.3 | -12 | 19.0 | 9.0 ^
40 | -12° 1369 | 5 | 59.2 | -12 | 13.8 | 9.5 ^
41 | -12° 1373 | 5 | 59.5 | -12 | 32.6 | 9.8 ^
42 | -12° 1375 | 5 | 59.6 | -12 | 30.6 | 8.8 ^
43 | -12° 1374 | 5 | 59.6 | -12 | 47.1 | 9.7 ^
44 | -12° 1376 | 5 | 59.9 | -12 | 49.6 | 9.0 ^



45	-12°	1378	6	0.1	-12	33.6	9.4	^
46	-12°	1380	6	0.3	-12	41.1	9.3	^
47	-11°	1383	6	0.0	-11	56.6	9.0	^
48	-12°	1379	6	0.2	-12	2.8	8.0	^
49	-12°	1382	6	0.6	-12	11.8	9.0	^
50	-12°	1384	6	0.9	-12	1.1	8.5	^
51	-11°	1387	6	0.2	-11	37.8	9.0	^
52	-11°	1388	6	0.3	-11	32.9	9.5	^
53	-11°	1382	5	59.4	-11	31.3	9.0	^
54	-10°	1374	5	59.4	-10	52.3	8.5	^

cards made out

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140
Monday Nov. 18, 1912.
B20581 short [[?]]
No. | Int. | Class | Remark
55 | 3 | G0 |
56 | 3 | A2 |
57 | 3 | G0 |
58 | 4 | G5 |
59 | 5 | K0 |
60 | 1 | G0 |
61 | 1 | A2 |
62 | 3 | F0 | Another star superposed at [[?]]
63 | 2 | A0 |
64 | 2 | F8 |
65 | 2 | F8 |
66 | 2 | G5 |
67 | 1 | A5 |
68 | 1 | G0 |
69 | 4 | A.E. |
70 | 6 | A.E. |
71 | 5 | F.E. |
72 | 7 | G0 |
73 | 3 | F0 |
74 | 4 | F0 |
75 | 3 | A2 |
76 | 8 | A0 |
77 | 2 | F8 |
78 | 1 | K1 |
79 | 6 | K0 |
80 | 10+ | F |
81 | 2 | A0 |

141
[[5 Columned Table]]
55 | -10° | 1366 | 5 58.3 | -10 59.1 | 9.2 | ^
56 | -10° | 1367 | 5 58.6 | -10 38.1 | 9.2 | ^
57 | -10° | 1364 | 5 58.1 | -10 34.1 | 9.0 | ^
58 | -10° | 1365 | 5 58.2 | -10 17.1 | 9.0 | ^
59 | -10° | 1361 | 5 57.7 | -10 2.8 | 8.5 | ^
60 | -11° | 1372 | 5 57.4 | -11 9.4 | 9.2 | ^
61 | -11° | 1371 | 5 57.3 | -11 3.2 | 9.6 | ^
62 | -11° | 1367 | 5 56.8 | -11 6.7 | 9.2 | ^ -11° 1368 superposed magu. 9.4
63 | -10° | 1358 | 5 56.5 | -10 41.2 | 9.2 | ^
64 | -10° | 1355 | 5 55.8 | -10 25.6 | 9.0 | ^
65 | -10° | 1352 | 5 55.4 | -10 44.0 | 9.0 | ^
66 | -11° | 1359 | 5 54.8 | -11 2.5 | 8.8 | ^
67 | -11° | 1358 | 5 54.6 | -11 1.6 | 9.5 | ^
68 | -10° | 1345 | 5 54.5 | -10 41.2 | 9.0 | ^
69 | -10° | 1347 | 5 54.5 | -10 8.3 | 9.0 | ^
70 | -10° | 1344 | 5 54.2 | -10 3.7 | 8.5 | ^
71 | -10° | 1343 | 5 53.9 | -10 11.3 | 8.8 | ^
72 | -9° | 1321 | 5 58.3 | -9 16.5 | 8.2 | ^
73 | -9° | 1326 | 5 59.1 | -9 21.0 | 9.0 | ^
74 | -8° | 1317 | 5 59.3 | -8 52.5 | 9.0 | ^
75 | -8° | 1322 | 5 59.8 | -8 41.3 | 9.4 | ^
76 | -8° | 1324 | 6 0.8 | -8 38.2 | 8.5 | ^
77 | -9° | 1328 | 5 59.3 | -9 35.9 | 9.2 | ^
78 | -9° | 1327 | 5 59.3 | -9 48.0 | 9.2 | ^
79 | -9° | 1333 | 6 0.1 | -9 43.2 | 8.4 | ^
80 | -10° | 1368 | 5 58.6 | -10 13.9 | 6.2 | ^
81 | -10° | 1372 | 5 59.1 | -10 11.6 | 9.0 | ^

140		141	
Transit of 1912		Transit of 1912	
Star	Class	Star	Class
55	G0	55	G0
56	A2	56	A2
57	G0	57	G0
58	G5	58	G5
59	K0	59	K0
60	G0	60	G0
61	A2	61	A2
62	F0	62	F0
63	A0	63	A0
64	F8	64	F8
65	F8	65	F8
66	G5	66	G5
67	A5	67	A5
68	G0	68	G0
69	A.E.	69	A.E.
70	A.E.	70	A.E.
71	F.E.	71	F.E.
72	G0	72	G0
73	F0	73	F0
74	F0	74	F0
75	A2	75	A2
76	A0	76	A0
77	F8	77	F8
78	K1	78	K1
79	K0	79	K0
80	F	80	F
81	A0	81	A0

cards made out

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Monday, Nov. 18, 1912.
B20581 short disp.

No. | Int. | Class | Remark

82 | 6 | B9 |
83 | 4 | A0 |
84 | 1 | G0 |
85 | 1 | G0 |
86 | 1 | A |
87 | 7 | A0 |
88 | 5 | A3 |
89 | 4 | A3 |
90 | 3 | G5 |
91 | 8 | A2 |
92 | 4 | F0 | Another star superposed at north.
93 | 6 | G5 |
94 | 3 | A2 |
95 | 3 | G5 |
96 | 1 | ~~[[[strikethrough]]A[[/strikethrough]]F[[/strikethrough]]Partly[[/strikethrough]]~~
97 | 6 | F0 |
98 | 5 | A0 |
99 | 5 | ~~[[[strikethrough]]G[[/strikethrough]]F5]~~
100 | 2 | A |
101 | 7 | A0 |
102 | 7 | F0? | Another star superposed on pu side?
103 | 1 | K0 |
104 | 3 | B9 |
105 | 6 | B9 |
106 | 2 | A0 |
107 | 6 | K0 |
108 | 3 | F0 |

143

[[9 column table]]

82 | -10° | 1377 | 6 | 0.0 | -10 | 15.2 | 9.0 | ^ [[checkmark]]
83 | -11° | 1389 | 6 | 0.4 | -11 | 3.0 | 9.2 | ^ [[checkmark]]
84 | -10° | 1382 | 6 | 0.9 | -10 | 38.8 | 9.3 | ^ [[checkmark]]
85 | -10° | 1379 | 6 | 0.3 | -10 | 35.7 | 9.5 | ^ [[checkmark]]
86 | -10° | 1376 | 5 | 59.9 | -10 | 28.1 | 9.5 | ^ [[checkmark]]
87 | -10° | 1386 | 6 | 1.3 | -10 | 33.0 | 7.8 | ^ [[checkmark]]
88 | -10° | 1389 | 6 | 1.4 | -10 | 25.8 | 8.5 | ^ [[checkmark]]
89 | -10° | 1393 | 6 | 2.3 | -10 | 30.7 | 9.0 | ^ [[checkmark]]
90 | -10° | 1394 | 6 | 2.4 | -10 | 9.7 | 8.5 | ^ [[checkmark]]
91 | -9° | 1343 | 6 | 2.1 | -9 | 37.7 | 8.0 | ^ [[checkmark]]
92 | -9° | 1338 | 6 | 1.0 | -9 | 26.3 | 8.2 | ^ [[checkmark]] magn. 9.0 -9° 1337
Superposed
93 | -9° | 1345 | 6 | 2.4 | -9 | 7.0 | 8.5 | ^ [[checkmark]]
94 | -9° | 1346 | 6 | 2.4 | -9 | 31.2 | 9.0 | ^ [[checkmark]]
95 | -9° | 1347 | 6 | 2.9 | -9 | 25.4 | 8.5 | ^ [[checkmark]]
96 | -9° | 1348 | 6 | 3.0 | -9 | 24.1 | 9.4 | ^ [[checkmark]]
97 | -9° | 1349 | 6 | 3.5 | -9 | 19.7 | 8.5 | ^ [[checkmark]]
98 | -8° | 1338 | 6 | 3.5 | -8 | 57.4 | 8.8 | ^ [[checkmark]]

142										143									
Transiting, but 2 stars																			
Lat.	Long.	Class	Remark	B20581 short disp.															
82	6	B9								82	-10°	1377	6	0.0	-10	15.2	9.0	^	[[checkmark]]
83	4	A0								83	-11°	1389	6	0.4	-11	3.0	9.2	^	[[checkmark]]
84	1	G0								84	-10°	1382	6	0.9	-10	38.8	9.3	^	[[checkmark]]
85	1	G0								85	-10°	1379	6	0.3	-10	35.7	9.5	^	[[checkmark]]
86	1	A								86	-10°	1376	5	59.9	-10	28.1	9.5	^	[[checkmark]]
87	7	A0								87	-10°	1386	6	1.3	-10	33.0	7.8	^	[[checkmark]]
88	5	A3								88	-10°	1389	6	1.4	-10	25.8	8.5	^	[[checkmark]]
89	4	A3								89	-10°	1393	6	2.3	-10	30.7	9.0	^	[[checkmark]]
90	3	G5								90	-10°	1394	6	2.4	-10	9.7	8.5	^	[[checkmark]]
91	8	A2								91	-9°	1343	6	2.1	-9	37.7	8.0	^	[[checkmark]]
92	4	F0	Another star superposed at north.							92	-9°	1338	6	1.0	-9	26.3	8.2	^	[[checkmark]] magn. 9.0 -9° 1337
93	6	G5								93	-9°	1345	6	2.4	-9	7.0	8.5	^	[[checkmark]]
94	3	A2								94	-9°	1346	6	2.4	-9	31.2	9.0	^	[[checkmark]]
95	3	G5								95	-9°	1347	6	2.9	-9	25.4	8.5	^	[[checkmark]]
96	1	A0								96	-9°	1348	6	3.0	-9	24.1	9.4	^	[[checkmark]]
97	6	F0								97	-9°	1349	6	3.5	-9	19.7	8.5	^	[[checkmark]]
98	5	A0								98	-8°	1338	6	3.5	-8	57.4	8.8	^	[[checkmark]]

99|-9°|1353|6|3.9|-9|13.2|9.0|^ [[checkmark]]
 100|-9°|1356|6|4.1|-9|11.0|9.5|^ [[checkmark]]
 101|-9°|1359|6|4.4|-9|36.5|8.0|^ [[checkmark]]
 102|-9°|1352|6|3.9|-9|49.6|8.6|^ [[checkmark]] magn. 9.0 -9° 1351
 Superposed
 103|-10°|1401|6|3.0|-10|10.6|9.0|^ [[checkmark]]
 104|-10°|1402|6|3.5|-10|24.9|9.0|^ [[checkmark]]
 105|-10°|1407|6|4.2|-10|44.9|8.5|^ [[checkmark]]
 106|-10°|1410|6|4.7|-10|35.1|9.4|^ [[checkmark]]
 107|-10°|1411|6|4.8|-10|13.0|7.3|^ [[checkmark]]
 108|-10°|1413|6|5.2|-10|50.3|9.0|^ [[checkmark]]

cards made out

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[[4 columned table]]

No. | Int. | Class | Remark

109	2	A0	
110	5	K0	
111	2	A0	
112	4	K2	
113	3	F8	
114	7	F2	
115	6	A5	
116	3	A2	
117	6	B9	Another star superposed?
118	5	F0	
119	2	F5	
120	3	G0	
121	7	A3	
122	10	A2	
123	3	A3	
124	2	A2	Partly superposed on 123.
125	2	K0	
126	4	F5	
127	7	B9	
128	2	A0	
129	2	A2	
130	2	A0	
131	4	A0	
132	4	F2	
133	4	K0	
134	7	K0	
135	4	K2	

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[[5 Columned Table]]

109	-10°	1414	6 5.5	-10 28.9	9.2	^
110	-10°	1416	6 5.6	-10 27.5	7.8	^
111	-10°	1417	6 5.7	-10 18.7	9.7	^
112	-10°	1419	6 6.0	-10 15.7	7.5	^
113	-10°	1424	6 6.5	-10 17.6	9.0	^
114	-10°	1423	6 6.5	-10 36.4	7.8	^
115	-10°	1426	6 6.8	-10 46.7	8.7	^
116	-10°	1428	6 7.0	-10 46.5	9.1	^
117	-11°	1420	6 7.2	-11 8.7	8.7	^
118	-11°	1425	6 8.1	-11 6.3	8.5	^
119	-11°	1424	6 8.1	-11 14.4	9.3	^
120	-11°	1426	6 8.2	-11 45.5	8.8	^
121	-11°	1427	6 8.5	-11 52.3	8.7	^
122	-11°	1429	6 8.6	-11 51.3	6.8	^
123	-11°	1428	6 8.6	-11 35.6	8.8	^
124	-11°	1430	6 8.7	-11 37.6	9.2	^
125	-11°	1432	6 9.0	-11 32.4	9.2	^
126	-11°	1434	6 9.7	-11 6.0	8.8	^
127	-10°	1443	6 9.7	-10 47.5	8.4	^
128	-10°	1441	6 8.7	-10 48.6	9.3	^
129	-10°	1440	6 8.5	-10 37.0	9.4	^
130	-10°	1442	6 8.8	-10 59.8	9.6	^
131	-10°	1444	6 9.1	-10 12.9	9.0	^

144				145			
Transiting Nov. 18, 1912							
Star	Time	Class	Remark	Star	Time	Class	Remark
109	2	A0		109	2	A0	
110	5	K0		110	5	K0	
111	2	A0		111	2	A0	
112	4	K2		112	4	K2	
113	3	F8		113	3	F8	
114	7	F2		114	7	F2	
115	6	A5		115	6	A5	
116	3	A2		116	3	A2	
117	6	B9	Another star superposed?	117	6	B9	Another star superposed?
118	5	F0		118	5	F0	
119	2	F5		119	2	F5	
120	3	G0		120	3	G0	
121	7	A3		121	7	A3	
122	10	A2		122	10	A2	
123	3	A3		123	3	A3	
124	2	A2	Partly superposed on 123.	124	2	A2	Partly superposed on 123.
125	2	K0		125	2	K0	
126	4	F5		126	4	F5	
127	7	B9		127	7	B9	
128	2	A0		128	2	A0	
129	2	A2		129	2	A2	
130	2	A0		130	2	A0	
131	4	A0		131	4	A0	
132	4	F2		132	4	F2	
133	4	K0		133	4	K0	
134	7	K0		134	7	K0	
135	4	K2		135	4	K2	

132|-10° 1445|6 9.2|-10 7.2|8.9|^
133|-9° 1385|6 8.6|-9 48.3|8.3|^
134|-9° 1395|6 9.5|-8 53.6|8.2|^
135|-10° 1448|6 10.0|-10 1.2|8.4|^
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Monday, Nov. 18, 1912.
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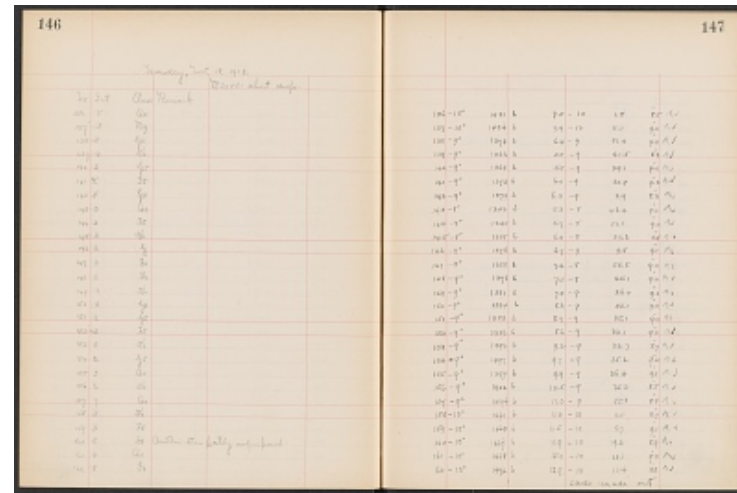
[[4 column table]]

No.	Int.	Class	Remark
136	5	A0	
137	3	B9	
138	3	G0	
139	4	K0	
140	2	G5	
141	2	F5	
142	5	G5	
143	3	A0	
144	3	F5	
145	3	K0	
146	2	G	
147	3	F0	
148	2	F0	
149	1	K0	
150	2	G0	
151	2	G5	
152	3	F5	
153	5	K0	
154	2	G5	
155	3	A0	
156	6	K0	
157	7	A0	
158	3	K0	
159	3	F8	
160	5	F8	Another star partly superposed.
161	4	A2	
162	5	F0	

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[[5 column table]]

136	-10°	1431	6 7.5	-10 1.8	8.5 ^
137	-10°	1434	6 7.9	-10 11.1	9.0 ^
138	-9°	1374	6 6.4	-9 51.4	9.0 ^
139	-9°	1366	6 5.5	-9 41.5	8.3 ^
140	-9°	1368	6 5.5	-9 29.1	9.0 ^
141	-9°	1372	6 6.0	-9 30.9	9.3 ^
142	-9°	1373	6 6.3	-9 2.9	8.3 ^
143	-8°	1342	6 5.3	-8 46.4	9.0 ^
144	-8°	1345	6 5.7	-8 51.1	9.0 ^
145	-8°	1355	6 6.8	-8 37.6	8.8 ^
146	-9°	1376	6 6.7	-9 9.8	9.1 ^
147	-8°	1358	6 7.4	-8 58.5	9.0 ^
148	-9°	1378	6 7.1	-9 45.1	9.0 ^
149	-9°	1381	6 7.8	-9 26.0	9.0 ^
150	-9°	1384	6 8.6	-9 22.1	9.0 ^
151	-9°	1388	6 8.7	-9 25.1	9.0 ^
152	-9°	1386	6 8.6	-9 32.1	9.0 ^



153	-9° 1390	6 9.2	-9 32.7	8.7 ^
154	-9° 1397	6 9.7	-9 35.2	9.2 ^
155	-9° 1399	6 9.9	-9 36.4	9.1 ^
156	-9° 1402	6 10.5	-9 35.2	8.5 ^
157	-9° 1404	6 11.0	-9 55.8	8.8 ^
158	-10° 1461	6 11.3	-10 11.1	8.7 ^
159	-10° 1463	6 11.5	-10 8.7	9.1 ^
160	-10° 1467	6 11.9	-10 19.2	8.9 ^
161	-10° 1468	6 12.0	-10 13.1	9.0 ^
162	-10° 1472	6 12.7	-10 11.4	8.8 ^

Cards made out

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Monday Nov. 18. 1912.
B20581 short disp.
[[4 column table]]
No. | Int. | Class | Remark
163 | 4 | B8
164 | 7 | A2
165 | 2 | A | Nearly all superposed on 164.
166 | 5 | A0
167 | 9 | A2
168 | 4 | K0
169 | 3 | G5
170 | 5 | A5
171 | 4 | A0
172 | 9 | A2
173 | 7 | G5
174 | 2 | G | Nearly all superposed on 175.
175 | 2 | K2 | Other stars superposed.
176 | 3 | A2
177 | 6 | F0
178 | 10 | F2
179 | 2 | K5
180 | 4 | F2
181 | 4 | A0
182 | 3 | A2
183 | 2 | G0 | Partly superposed on 182.
184 | 3 | F5
185 | 5 | B9
186 | 3 | K5
187 | 6 | A2
188 | 8 | K5
189 | 5 | K0

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[[6 column table]]
163-10° 147^h5^m13.2^s-10
~~40.0~~34.6~~9.2~~8.5^h13.6^m22.0^s10
164-10° 148^h3^m13.6^s-10 22.0^s8.7^h13.6^m23.1^s10
165-10° 148^h4^m13.6^s-10 23.1^s9.2^h13.6^m24.6^s10
166-10° 148^h5^m13.8^s-10 1.8^s8.6^h13.8^m25.4^s10
167-9° 142^h3^m13.8^s-9 50.4^s7.2^h13.8^m26.2^s9
168-10° 149^h3^m14.9^s-10 3.5^s8.5^h14.9^m27.6^s10
169-10° 149^h1^m14.5^s-10 27.6^s8.5^h14.5^m29.1^s10
170-11° 146^h1^m14.8^s-11 0.6^s8.7^h14.8^m30.7^s11
171-11° 144^h9^m12.8^s-11 0.3^s8.9^h12.8^m32.3^s11
172-10° 148^h1^m13.5^s-10 49.2^s7.3^h13.5^m34.0^s10
173-10° 147^h9^m13.4^s-10 40.0^s8.0^h13.4^m35.7^s10
174-10° 148^h8^m14.1^s-10 29.1^s9.0^h14.1^m37.4^s10
175-10° 148^h9^m14.2^s-10 31.5^s9.0^h14.2^m39.1^s10
176-11° 143^h7^m10.2^s-11 22.3^s9.2^h10.2^m40.8^s11
177-11° 143^h8^m10.6^s-11 19.9^s8.5^h10.6^m42.5^s11
178-11° 143^h6^m10.0^s-11 59.7^s7.0^h10.0^m44.2^s11
179-12° 142^h8^m10.3^s-12 11.9^s8.8^h10.3^m45.9^s12
180-12° 143^h7^m11.7^s-12 3.0^s9.0^h11.7^m47.6^s12
181-11° 144^h4^m12.0^s-11 32.3^s9.0^h12.0^m49.3^s11
182-11° 144^h6^m12.4^s-11 51.7^s9.1^h12.4^m51.0^s11
183-11° 144^h7^m12.4^s-11 48.4^s9.3^h12.4^m52.7^s11
184-11° 145^h1^m13.0^s-11 55.5^s9.1^h13.0^m54.4^s11

148						149					
Transit of B. 20581											
No.	Int.	Class	Remark	No.	Int.	Class	Remark	No.	Int.	Class	Remark
163	4	B8		164	7	A2		165	2	A	Nearly all superposed on 164.
166	5	A0		167	9	A2		168	4	K0	
169	3	G5		170	5	A5		171	4	A0	
172	9	A2		173	7	G5		174	2	G	Nearly all superposed on 175.
175	2	K2	Other stars superposed.	176	3	A2		177	6	F0	
178	10	F2		179	2	K5		180	4	F2	
181	4	A0		182	3	A2		183	2	G0	Partly superposed on 182.
184	3	F5		185	5	B9		186	3	K5	
187	6	A2		188	8	K5		189	5	K0	

185|-12° 144~~6~~5|6 13.4|-12
~~0.4~~1.4|9.3[^]|-
 12^{degrees}1WW6|613.W-12 0.4 9.3|superposed.
 186|-11° 1458|6 14.3|-11 37.1|8.8[^]||
 187|-11° 1457|6 14.2|-11 47.0|8.9[^]||
 188|-11° 1459|6 14.3|-11 45.3|6.8[^]||
 189|-12° 1452|6 14.7|-12 4.4|8.4[^]||
 Cards made out

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Monday, Nov. 18, 1912.
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[[4 column table]]

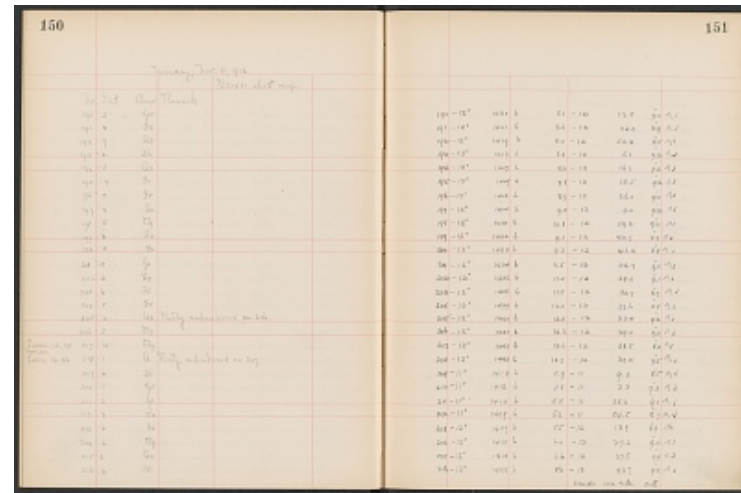
No.	Int	Class	Remark
190	3	G5	
191	4	F2	
192	7	A3	
193	2	K0	
194	3	A3	
195	4	F0	
196	5	F8	
197	4	A0	
198	5	B9	
199	4	F2	
200	5	F0	
201	3	G0	
202	3	F5	
203	6	F5	
204	5	F5	
205	4	A2	Partly superposed on 206.
206	5	B9	
207	10	B9	
208	1	A	Partly superposed on 207
209	4	K0	
210	1	G5	
211	2	G5	
212	4	K0	
213	6	F0	
214	6	B9	
215	2	A0	
216	4	K0	

[[left margin]]
Time: 12.38
Nov. 20
Time 10.46
[[/left margin]]

151

[[5 column table]]

190	-12° 1420	6 8.1	-12 17.8	9.0 ^	[[checkmark]]
191	-12° 1421	6 8.6	-12 32.0	8.9 ^	[[checkmark]]
192	-12° 1419	6 8.0	-12 50.4	8.5 ^	[[checkmark]]
193	-13° 1406	6 8.3	-13 5.1	9.2 ^	[[checkmark]]
194	-13° 1407	6 8.6	-13 16.7	9.4 ^	[[checkmark]]
195	-13° 1409	6 8.8	-13 18.5	9.2 ^	[[checkmark]]
196	-13° 1408	6 8.7	-13 26.1	9.0 ^	[[checkmark]]
197	-13° 1414	6 9.5	-13 3.0	9.2 ^	[[checkmark]]
198	-12° 1431	6 10.8	-12 59.2	9.0 ^	[[checkmark]]
199	-12° 1422	6 9.1	-12 40.7	8.8 ^	[[checkmark]]
200	-12° 1423	6 9.2	-12 41.4	8.8 ^	[[checkmark]]
201	-12° 1434	6 11.5	-12 54.7	9.0 ^	[[checkmark]]



202	-12° 1436	6 11.5	-12 28.0	9.1 ^ [[checkmark]]
203	-12° 1438	6 11.8	-12 30.7	8.7 ^ [[checkmark]]
204	-12° 1439	6 12.0	-12 37.6	8.8 ^ [[checkmark]]
205	-12° 1440	6 12.2	-12 23.4	9.2 ^ [[checkmark]]
206	-12° 1441	6 12.3	-12 29.0	9.0 ^ [[checkmark]]
207	-12° 1442	6 12.6	-12 28.5	8.0 ^ [[checkmark]]
208	-12° 1443	6 12.7	-12 30.5	9.5 ^ [[checkmark]]
209	-11° 1413	6 5.9	-11 9.3	8.5 ^ [[checkmark]]
210	-11° 1412	6 5.8	-11 3.3	9.3 ^ [[checkmark]]
211	-11° 1410	6 5.5	-11 28.6	9.1 ^ [[checkmark]]
212	-11° 1409	6 5.2	-11 54.5	8.7 ^ [[checkmark]]
213	-12° 1407	6 5.5	-12 13.9	8.8 ^ [[checkmark]]
214	-12° 1410	6 6.0	-12 27.2	9.0 ^ [[checkmark]]
215	-12° 1413	6 6.6	-12 37.5	9.4 ^ [[checkmark]]
216	-12° 1408	6 5.6	-12 43.7	9.0 ^ [[checkmark]]

Cards made out

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Wednesday, Nov. 20, 1912.

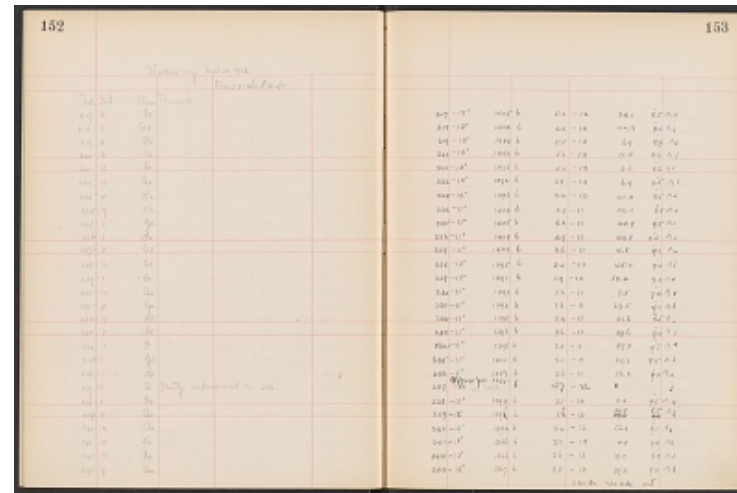
[[3 Columned Table]]
No. | Int. | Class | Remark |

217	8	F2	
218	5	A3	
219	3	K0	
220	2	K2	
221	5	F0	
222	3	A0	
223	5	K0	
224	7	K0	
225	1	G5	
226	1	F2	
227	3	A5	
228	2	F5	
229	1	F0	
230	10	A2	
231	5	G0	
232	4	K5	
233	5	F5	
234	1	F	
235	1	G5	
236	1	K5	
237	1	A	Party superposed on 236.
238	1	F0	
239	5	A0	
240	4	A0	
241	3	K0	
242	10	F0	
243	4	A0	

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[[5 Columned Table]]

217	-12°	1405	6 5.0	-12 34.1	8.5 ^
218	-12°	1402	6 4.4	-12 42.9	9.0 ^
219	-13°	1384	6 5.5	-13 6.9	8.9 ^
220	-13°	1380	6 5.1	-13 11.5	8.7 ^
221	-13°	1378	6 5.0	-13 2.6	8.6 ^
222	-13°	1372	6 3.8	-13 6.9	9.5 ^
223	-12°	1396	6 3.2	-12 31.3	8.5 ^
224	-11°	1404	6 3.7	-11 50.1	8.5 ^
225	-11°	1405	6 4.3	-11 44.9	9.5 ^
226	-11°	1408	6 4.9	-11 49.8	9.4 ^
227	-11°	1403	6 3.6	-11 4.8	9.1 ^
228	-10°	1395	6 2.4	-10 45.0	9.0 ^
229	-10°	1391	6 1.9	-10 58.4	9.0 ^
230	-11°	1393	6 1.6	-11 7.5	7.2 ^
231	-11°	1392	6 1.6	-11 27.5	9.0 ^
232	-11°	1395	6 2.4	-11 31.6	8.5 ^
233	-11°	1396	6 2.6	-11 39.6	9.0 ^
234	-11°	1398	6 2.8	-11 37.3	9.7 ^
235	-11°	1400	6 3.0	-11 25.7	9.5 ^
236	-11°	1397	6 2.6	-11 56.2	9.0 ^
237	Not in cat. Approx. pos. 1855				6 2.7 -12 0



238| -12° 1393| 6 2.5 |-12 8.2 9.5 ^
 239| -12° 139~~[[strikethrough]]~~ 6 ~~[[strikethrough]]~~ 1| 6 2.~~[[strikethrough]]~~ 6
~~[[strikethrough]]~~ 2 |-12 ~~[[strikethrough]]~~ 39.6 ~~[[strikethrough]]~~
 36.9~~[[strikethrough]]~~ 9.0 ~~[[strikethrough]]~~ 8.5 ^
 240| -12° 1392| 6 2.4 |-12 56.8|9.1 ^
 241| -13° 1365| 6 2.2 |-13 4.4|9.0 ^
 242| -13° 1366| 6 2.6 |-13 12.0|8.0 ^
 243| -13° 1367| 6 2.8 |-13 37.3|9.0 ^

cards made out

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Wednesday, Nov. 20, 1912
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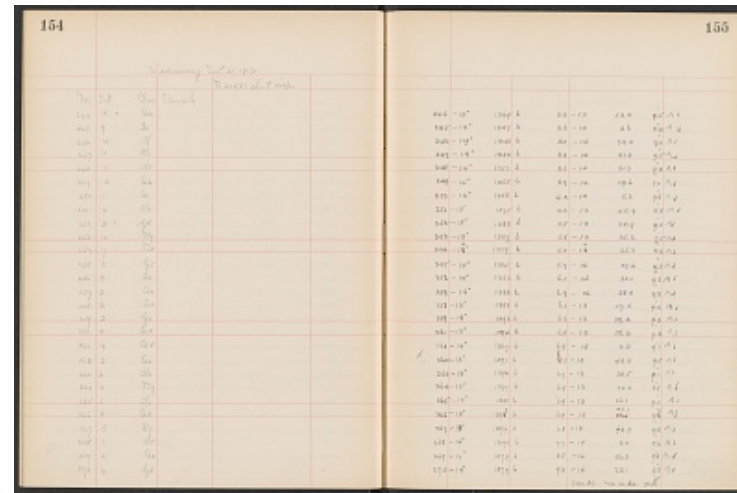
[[4 column table]]

No.	Int.	Class	Remark
244	3	A2	
245	9	F0	
246	10	K	
247	1	K0	
248	1	K5	
249	2	A2	
250	1	A	
251	4	K0	
252	3	G5	
253	10	B9	
254	7	B3	
255	2	G5	
256	3	F0	
257	3	A2	
258	3	A2	
259	3	G0	
260	4	A3	
261	4	A5	
262	3	A0	
263	3	K0	
264	6	B9	
265	2	K0	
266	2	A2	
267	5	B9	
268	1	K5	
269	2	A0	
270	4	G5	

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[[5 column table]]

244	-13°	1369 6	3.2 -13	53.4	9.5 ^
245	-14°	1347 6	2.6 -14	2.6	8.2 ^
246	-14°	1348 6	3.0 -14	33.5	7.0 ^
247	-14°	1350 6	3.3 -14	31.3	9.5 ^
248	-14°	1353 6	3.6 -14	31.7	9.3 ^
249	-14°	1355 6	3.9 -14	19.6	10 ^
250	-14°	1358 6	4.3 -14	5.2	9.8 ^
251	-14°	1375 6	4.4 -13	45.9	8.8 ^
252	-14°	1383 6	5.5 -13	34.9	9.0 ^
253	-13°	1387 6	5.8 -13	35.6	7.5 ^
254	-1 [[strikethrough]]	3 [[/strikethrough]] 3 [[/strikethrough]] 4°	1359 6	5.3 -	
255	-14°	1361 6	5.7 -14	37.4	9.3 ^
256	-14°	1363 6	6.1 -14	32.1	9.3 ^
257	-14°	1366 6	6.9 -14	28.4	9.3 ^
258	-13°	1388 6	6.1 -13	57.8	9.4 ^
259	-13°	1393 6	6.7 -13	59.2	9.3 ^



260 -13° | 1394 6 | 6.8 -13 | 58.2 | 9.3 ^
 261 -14° | 1367 6 | 6.9 -14 | 0.2 | 9.1 ^
 262 -13° | 1391 6 | ~~5~~ | 6.5 -13 | 43.0 |
 9.5 ^
 263 -13° | 1392 6 | 6.7 -13 | 38.5 | 9.1 ^
 264 -13° | 1397 6 | 6.9 -13 | 38.5 | 9.1 ^
 265 -13° | 1398 6 | 6.9 -13 | 26.1 | 9.0 ^
 266 -13° | 139 ~~8~~ | ~~9.6~~ | 6.9 -13 |
~~26.1~~ | ~~40.1~~ | 9. ~~5~~
~~^~~
 267 -13° | 1396.6 | 6.8 -13 | 43.9 | 9.0 ^
 268 -14° | 1370.6 | 7.7 -14 | 8.0 | 9.6 ^
 269 -14° | 1373.6 | 8.5 -14 | 36.0 | 9.8 ^
 270 -14° | 1379.6 | 9.3 -14 | 23.1 | 9.0 ^
 cards made out

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156

Wednesday, Nov. 20, 1912.

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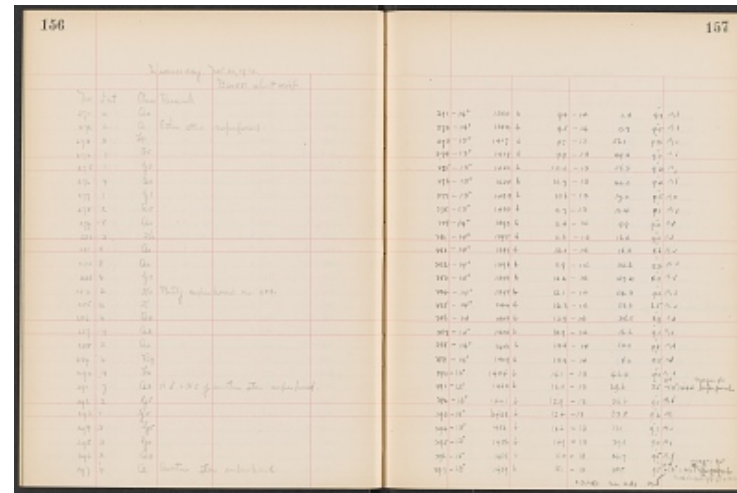
[[4 column table]]

No.	Int.	Class	Remark
271	2	A0	
272	2	A	Other stars superposed.
273	3	F8	
274	4	F5	
275	1	G5	
276	4	A0	
277	1	G5	
278	2	A5	
279	5	A0	
280	3	K0	
281	8	A0	
282	8	A0	
283	6	G5	
284	2	K0	Partly superposed on 283.
285	10	K	
286	4	A2	
287	4	A2	
288	2	A0	
289	6	B9	
290	4	F0	
291	7	A2	H delta + H epsilon of another star superposed.
292	2	G5	
293	1	G5	
294	3	G5	
295	3	G0	
296	2	A3	
297	4	A	Another star superposed.

157

[[6 column table]]

271	-14° 1380	6 9.4	-14 1.4	9.7	^
272	-14° 1382	6 9.5	-14 0.7	9.5	^
273	-13° 1417	6 9.7	-13 56.1	9.2	^
274	-13° 1419	6 9.9	-13 49.3	9.0	^
275	-13° 1420	6 10.0	-13 56.2	9.2	^
276	-13° 1424	6 10.7	-13 40.0	9.4	^
277	-13° 1423	6 10.6	-13 17.0	9.5	^
278	-13° 1433	6 11.7	-13 11.4	9.1	^
279	-14° 1393	6 11.4	-14 9.9	9.0	^
280	-14° 1395	6 11.6	-14 16.4	9.0	^
281	-14° 1397	6 12.0	-14 18.3	8.6	^
282	-14° 1396	6 11.9	-14 32.6	8.2	^
283	-14° 1399	6 12.2	-14 47.2	8.3	^
284	-14° 1398	6 12.1	-14 52.3	9.0	^
285	-14° 1400	6 12.3	-14 58.3	6.5	^
286	-14 1403	6 12.9	-14 36.5	8.9	^
287	-14° 1402	6 12.9	-14 16.6	9.1	^



288	-14° 1406	6 13.4	-14 12.0	9.8	^
289	-14° 1409	6 13.9	-14 8.0	8.5	^
290	-13° 1454	6 14.1	-13 46.4	9.0	^
291	-13° 1443	6 13.0	-13 29.6	8.5	^ -13° 1444 magn. 9.0
superposed					
292	-13° 1441	6 12.9	-13 36.6	9.1	^
293	-13° 1438	6 12.4	-13 33.8	9.2	^
294	-13° 1452	6 13.6	-13 11.1	9.1	^
295	-13° 1456	6 14.7	-13 37.0	9.0	^
296	-13° 1458	6 15.0	-13 46.7	9.5	^
297	-13° 1459	6 15.1	-13 35.5	9.5	^ -13° 1460 Double magn. 9.5

superposed see chart pl. B27027

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Wednesday Nov. 20, 1912
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[[4 column table]]
[No.][Int][Class][Remark]
298 4 A5 |
299 5 K0 |
300 5 F8 |
301 1 P |
302 2 A2 |
303 3 G0 |
304 2 F |
305 3 F0 |
306 4 A0 |
307 6 G0 |
308 3 A0 |
309 4 A2 |
310 2 G5 |
311 2 K2 |
312 5 K2 |
313 4 Ma |
314 2 G0 |
315 5 G5 |
316 4 K0 |
317 3 A3 |
318 5 A0 |
319 3 K0 |
320 3 A2 |
321 2 Ma |
322 3 F8 |
323 4 K0 |
324 4 A0 |

159

[[9 column table-columns untitled]]
298|-13°|1462|6|15.3|-13|30.1|9.0|^---[[check symbol]]
299|-13°|1464|6|15.3|1448|1450|14.4|12|40.0|9.5|[[check symbol]]
300|-12°|1457|6|15.8|-12|53.2|8.5|^[[check symbol]]
301|-12°|1453|6|15.0|-12|55.1|9.6|^[[check symbol]]
302|-12°|1451|6|14.7|-12|37.2|9.8|^[[check symbol]]
303|-
12°|1448|1450|14.4|12|40.0|9.5|
304|-12°|1449|6|14.5|-12|15.4|9.5|^[[check symbol]]
305|-12°|1462|6|16.4|-12|54.3|9.1|^[[check symbol]]
306|-12°|1463|6|16.9|-12|40.5|9.0|^[[check symbol]]
307|-12°|1464|6|17.0|-12|30.2|8.5|^[[check symbol]]
308|-12°|1465|6|17.1|-12|39.5|9.5|^[[check symbol]]
309|-13°|1477|6|17.3|-13|8.1|9.0|^[[check symbol]]
310|-13°|1475|6|16.7|-13|33.8|9.1|^[[check symbol]]
311|-13°|1472|6|16.3|-13|53.7|9.2|^[[check symbol]]
312|-14°|1424|6|16.8|-14|4.9|8.5|^[[check symbol]]
313|-13°|1457|6|14.7|-13|58.5|8.2|^[[check symbol]]
314|-14°|1410|6|14.4|-14|1.2|9.3|^[[check symbol]]
315|-14°|1412|6|14.6|-14|14.5|8.2|^[[check symbol]]

158	159
298 4 A5	298 4 A5
299 5 K0	299 5 K0
300 5 F8	300 5 F8
301 1 P	301 1 P
302 2 A2	302 2 A2
303 3 G0	303 3 G0
304 2 F	304 2 F
305 3 F0	305 3 F0
306 4 A0	306 4 A0
307 6 G0	307 6 G0
308 3 A0	308 3 A0
309 4 A2	309 4 A2
310 2 G5	310 2 G5
311 2 K2	311 2 K2
312 5 K2	312 5 K2
313 4 Ma	313 4 Ma
314 2 G0	314 2 G0
315 5 G5	315 5 G5
316 4 K0	316 4 K0
317 3 A3	317 3 A3
318 5 A0	318 5 A0
319 3 K0	319 3 K0
320 3 A2	320 3 A2
321 2 Ma	321 2 Ma
322 3 F8	322 3 F8
323 4 K0	323 4 K0
324 4 A0	324 4 A0

316	-14°	1415	6	15.1	-14	20.3	8.7	^	[[check symbol]]
317	-14°	1414	6	15.0	-14	37.6	9.1	^	[[check symbol]]
318	-14°	1418	6	15.5	-14	31.6	8.8	^	[[check symbol]]
319	-15°	1346	6	13.3	-15	0.7	8.9	^	[[check symbol]]
320	-15°	1347	6	13.3	-15	29.8	9.3	^	[[check symbol]]
321	-15°	1342	6	12.4	-15	20.7	9.0	^	[[check symbol]]
322	-15°	1338	6	12.0	-15	19.4	9.1	^	[[check symbol]]
323	-15°	1335	6	11.1	-15	24.3	8.6	^	[[check symbol]]
324	-15°	1334	6	11.1	-15	32.3	9.4	^	[[check symbol]]

cards made out

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~~Nov.~~ ~~Wednesday, Nov. 20, 1912.~~

B20581 short disp.

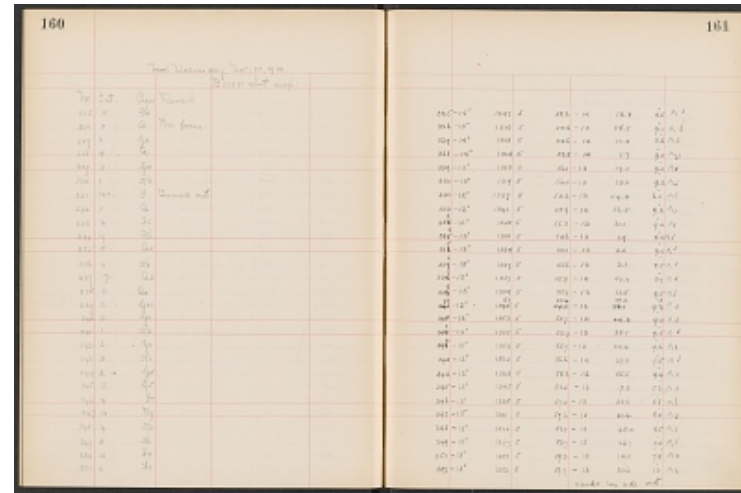
[4 column table]

No.	Int.	Class	Remark
325	5	K0	
326	5	A	Poor focus.
327	6	G0	
328	4	A	
329	3	G0	
330	1	K2	
331	10+	F	Burned out.
332	1	A	
333	4	F5	
334	7	K0	
335	5	A0	
336	6	K0	
337	7	A3	
338	3	A0	
339	2	G0	
340	2	G0	
341	1	K2	
342	2	G0	
343	3	K0	
344	2	G5	
345	3	G5	
346	4	F5	
347	10	B9	
348	4	K2	
349	3	K0	
350	10	F0	
351	1	F0	

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[6 column table]

325	-14°	1297	5 52.2	-14 12.8	8.5	^
326	-13°	1316	5 53.4	-13 58.5	9.0	^
327	-14°	1302	5 53.6	-14 11.3	8.6	^
328	-14°	1304	5 53.8	-14 1.7	9.0	^
329	-13°	1318	5 54.1	-13 17.0	9.0	^
330	-13°	1319	5 54.2	-13 13.0	9.2	^
331	-12°	1337	5 53.6	-12 54.3	6.0	^
332	-12°	1341	5 53.9	-12 31.1	9.0	^
333	[[/strickethrough]] 4 [[/strickethrough]] -12° 1348 5 55.3 -12 31.1 					
9.0	^					
334	[[/strickethrough]] 5 [[/strickethrough]] -13° 1321 5 54.6 -13 1.9 					
8.2	^					
335	[[/strickethrough]] 6 [[/strickethrough]] -13° 1324 5 55.1 -13 3.4 					
9.0	^					
336	[[/strickethrough]] 7 [[/strickethrough]] -13° 1327 5 55.6 -13 2.1 					
8.5	^					
337	[[/strickethrough]] 8 [[/strickethrough]] -12° 1357 5 55.9 -12 57.7 					



9.7 | ^
 | 338 ~~9~~ | -13° 1329 | 5 55.7 | -13 11.5 |
 9.5 | ^
 | 339 ~~40~~ | -12° 1351 ~~45~~
~~5~~ | 54.5 ~~55.4~~ | -12
~~38.1~~ | 39.4 | 9.7 ~~3~~
~~340~~ | -12° 1353 | 5 55.7 | -12 44.2 | 9.0 | ^
 341 | ~~2~~ | -12° 1355 | 5 55.7 | -12 22.1 |
 9.5 | ^
 | 342 ~~3~~ | -12° 1354 | 5 55.7 | -12 33.4 |
 9.6 | ^
 | 343 | -12° 1362 | 5 56.6 | -12 39.8 | 9.5 | ^
 | 344 | -12° 1368 | 5 58.6 | -12 55.5 | 9.4 | ^
 | 345 | -13° 1345 | 5 58.4 | -13 9.3 | 9.3 | ^
 | 346 | -13° 1338 | 5 57.2 | -13 30.6 | 8.8 | ^
 | 347 | -13° 1341 | 5 57.6 | -13 41.4 | 8.0 | ^
 | 348 | -13° 1344 | 5 58.4 | -13 45.0 | 8.5 | ^
 | 349 | -13° 1347 | 5 58.7 | -13 24.7 | 9.0 | ^
 | 350 | -13° 1350 | 5 59.3 | -13 14.0 | 7.8 | ^
 | 351 | -13° 1352 | 5 59.7 | -13 20.6 | 10 | ^

cards made out

Project PHaEDRA - Annie Jump Cannon 54
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Wednesday, Nov. 20, 1912.

B20581 short disp.

[[4 column table]]

No. | Int | Class | Remark |

352 | 5 | A0 |

353 | 3 | F8 |

354 | 1 | F5 |

355 | 4 | B9 |

356 | 3 | A0 |

357 | 4 | A2 |

358 | 3 | A0 |

359 | 2 | G0 |

360 | 2 | G0 |

361 | 2 | F5 |

362 | 6 | K0 |

363 | 2 | A0 |

364 | 2 | K0 |

365 | 3 | K0 |

366 | 10+ | G | Burned out. |

367 | 2 | F2 |

368 | 4 | K0 |

369 | 3 | A0 |

370 | 10+ | F5 |

371 | 9 | A3 |

372 | 5 | K2 |

373 | 2 | F0 |

374 | 4 | K0 |

375 | 2 | G? | Too much superposed on 376 |

376 | 2 | F5 | Partly superposed on 375 |

377 | 3 | K0 |

378 | 2 | K5 |

[[/4 column table]]

163

[[6 column table]]

352 | -13° | 1354 | 6 0.0 | -13 24.6 | 8.8 | ^ |

353 | -13° | 1357 | 6 0.4 | -13 12.4 | 9.0 | ^ |

354 | -13° | 1359 | 6 0. | ~~5~~ | ~~6~~ | 13 |

~~59.8~~ | ~~20.4~~ | ~~10~~ | ~~9.3~~ | ^ |

355 | -13° | 1360 | 6 0.7 | -13 22.2 | 9.2 | ^ |

356 | -13° | 1361 | 6 1.0 | -13 11.5 | 9.2 | ^ |

357 | -13° | 1353 | 6 0.0 | -13 44.1 | 9.0 | ^ |

358 | -13° | 1355 | 6 0.3 | -13 40.5 | 9.3 | ^ |

359 | -1 | ~~3~~ | ~~4~~ |

13 | ~~58~~ | ~~33~~ | 6 |

0. | ~~5~~ | ~~6~~ |

1 | ~~3~~ | ~~4~~ |

~~59.8~~ | ~~0.0~~ | 9.8 | -13° 1358 superposed |

360 | -14° | 1336 | 6 0.8 | -14 0.1 | 9.4 | ^ |

361 | -14° | 1337 | 6 0.9 | -14 5.3 | 9.6 | ^ |

362 | -14° | 1341 | 6 1.3 | -14 14.3 | 8.5 | ^ |

363 | -13° | 1363 | 6 1.7 | -13 52.1 | 9.5 | ^ |

364 | -14° | 1334 | 6 0.7 | -14 28.2 | 9.5 | ^ |

365 | -14° | 1310 | 5 55.3 | -14 6.2 | 9.1 | ^ |

366 | -14° | 1315 | 5 56.0 | -14 30.0 | 7.0 | ^ |

367 | -13° | 1331 | 5 56.1 | -13 41.4 | 9.3 | ^ |

368 | -13° | 1339 | 5 57.3 | -13 56.9 | 8.9 | ^ |

369 | -13° | 1342 | 5 57.6 | -13 55.6 | 9.2 | ^ |

370 | -14° | 1322 | 5 59.6 | -14 4.8 | 7.8 | ^ |

162				163			
Wednesday, Nov. 20, 1912.							
B20581 short disp.							
No.	Int.	Class	Remark	No.	Int.	Class	Remark
352	5	A0		352	-13°	1354	6 0.0 -13 24.6 8.8 ^
353	3	F8		353	-13°	1357	6 0.4 -13 12.4 9.0 ^
354	1	F5		354	-13°	1359	6 0. 5 6 13
355	4	B9		59.8 20.4 10 9.3 ^			
356	3	A0		355	-13°	1360	6 0.7 -13 22.2 9.2 ^
357	4	A2		356	-13°	1361	6 1.0 -13 11.5 9.2 ^
358	3	A0		357	-13°	1353	6 0.0 -13 44.1 9.0 ^
359	2	G0		358	-13°	1355	6 0.3 -13 40.5 9.3 ^
360	2	G0		359	-1	3	4
361	2	F5		13	58	33	6
362	6	K0		0.	5	6	
363	2	A0		1	3	4	
364	2	K0		59.8 0.0 9.8 -13° 1358 superposed			
365	3	K0		360	-14°	1336	6 0.8 -14 0.1 9.4 ^
366	10+	G	Burned out.	361	-14°	1337	6 0.9 -14 5.3 9.6 ^
367	2	F2		362	-14°	1341	6 1.3 -14 14.3 8.5 ^
368	4	K0		363	-13°	1363	6 1.7 -13 52.1 9.5 ^
369	3	A0		364	-14°	1334	6 0.7 -14 28.2 9.5 ^
370	10+	F5		365	-14°	1310	5 55.3 -14 6.2 9.1 ^
371	9	A3		366	-14°	1315	5 56.0 -14 30.0 7.0 ^
372	5	K2		367	-13°	1331	5 56.1 -13 41.4 9.3 ^
373	2	F0		368	-13°	1339	5 57.3 -13 56.9 8.9 ^
374	4	K0		369	-13°	1342	5 57.6 -13 55.6 9.2 ^
375	2	G?	Too much superposed on 376	370	-14°	1322	5 59.6 -14 4.8 7.8 ^
376	2	F5	Partly superposed on 375				
377	3	K0					
378	2	K5					

371	-14°	1334	5 58.0	-14 1.6	8.2	^
372	-14°	1326	5 58.3	-14 6.7	8.5	^
373	-14°	1325	5 58.3	-14 21.9	9.5	^
374	-14°	1328	5 58.6	-14 17.9	8.7	^
375	-13°	1349	5 59.1	-13 57.6	9.5	^
376	-14°	1330	5 59.1	-14 0.0	9.4	^
377	-15°	1269	6 0.1	-15 7.4	8.9	^
378	-15°	1272	6 0.9	-15 14.8	9.2	^

[[/6 column table]]
Cards made out

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Wednesday, Nov. 20, 1912.

B20581 short dist.

[[4 column table]]

No. | Int. | Class | Remark |

379	4	F5	
380	5	A0	
381	3	A5	Focus poor.
382	4	F8	
383	4	A0	
384	3	A	Partly superposed on 383.
385	10+	A	
386	3	A0	
387	2	A2	
388	2	K0	
389	5	A5	
390	3	K2	
391	2	K2	
392	7	A0	
393	1	K2	
394	9	K0	
395	8	F0	
396	3	A0	
397	6	B9	
398	5	F5	
399	6	A0	
400	4	G5	
401	2	K0	
402	5	K0	
403	2	K0	
404	2	F8	
405	2	A0	

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[[5 column table]]

379	-15°	1274	6	1.3	-15	11.1	9.9	^
380	-15°	1277	6	1.7	-15	24.7	9.0	^
381	-14°	1344	6	2.2	-14	57.1	9.8	^
382	-14°	1346	6	2.5	-14	48.4	9.0	^
383	-15°	1285	6	2.9	-15	5.3	9.2	^
384	-15°	1283	6	2.9	-15	0.0	9.4	^
superposed								
385	-15°	1292	6	3.7	-15	2.0	7.3	^
386	-15°	1293	6	3.9	-15	8.4	9.7	^
387	-14°	1354	6	3.9	-14	48.4	9.8	^
388	-15°	1305	6	5.2	-15	12.1	9.5	^
389	-15°	1308	6	6.5	-15	11.2	9.0	^
390	-15°	1313	6	6.8	-15	6.5	9.2	^
391	-14°	1398	6	7.2	-14	54.2	9.3	^
392	-15°	1311	6	6.6	-15	27.4	8.8	^
393	-15°	1312	6	6.6	-15	22.9	9.1	^
394	-15°	1314	6	6.9	-15	21.0	7.5	^
395	-15°	1315	6	7.1	-15	24.9	8.7	^
396	-15°	1318	6	8.5	-15	45.2	9.2	^
397	-15°	1320	6	8.9	-15	45.5	8.8	^
398	-15°	1321	6	9.0	-15	33.3	9.1	^
399	-15°	1322	6	9.3	-15	19.2	9.1	^
400	-15°	1325	6	9.5	-15	20.9	9.1	^
401	-15°	1327	6	9.9	-15	14.4	9.2	^

164	165
<p>Wednesday, Nov. 20, 1912.</p> <p>B20581 short dist.</p> <p>[[4 column table]]</p> <p>No. Int. Class Remark </p> <p>379 4 F5</p> <p>380 5 A0</p> <p>381 3 A5 Focus poor.</p> <p>382 4 F8</p> <p>383 4 A0</p> <p>384 3 A Partly superposed on 383.</p> <p>385 10+ A</p> <p>386 3 A0</p> <p>387 2 A2</p> <p>388 2 K0</p> <p>389 5 A5</p> <p>390 3 K2</p> <p>391 2 K2</p> <p>392 7 A0</p> <p>393 1 K2</p> <p>394 9 K0</p> <p>395 8 F0</p> <p>396 3 A0</p> <p>397 6 B9</p> <p>398 5 F5</p> <p>399 6 A0</p> <p>400 4 G5</p> <p>401 2 K0</p> <p>402 5 K0</p> <p>403 2 K0</p> <p>404 2 F8</p> <p>405 2 A0</p>	<p>[[5 column table]]</p> <p>379 -15° 1274 6 1.3 -15 11.1 9.9 ^</p> <p>380 -15° 1277 6 1.7 -15 24.7 9.0 ^</p> <p>381 -14° 1344 6 2.2 -14 57.1 9.8 ^</p> <p>382 -14° 1346 6 2.5 -14 48.4 9.0 ^</p> <p>383 -15° 1285 6 2.9 -15 5.3 9.2 ^</p> <p>384 -15° 1283 6 2.9 -15 0.0 9.4 ^</p> <p>superposed</p> <p>385 -15° 1292 6 3.7 -15 2.0 7.3 ^</p> <p>386 -15° 1293 6 3.9 -15 8.4 9.7 ^</p> <p>387 -14° 1354 6 3.9 -14 48.4 9.8 ^</p> <p>388 -15° 1305 6 5.2 -15 12.1 9.5 ^</p> <p>389 -15° 1308 6 6.5 -15 11.2 9.0 ^</p> <p>390 -15° 1313 6 6.8 -15 6.5 9.2 ^</p> <p>391 -14° 1398 6 7.2 -14 54.2 9.3 ^</p> <p>392 -15° 1311 6 6.6 -15 27.4 8.8 ^</p> <p>393 -15° 1312 6 6.6 -15 22.9 9.1 ^</p> <p>394 -15° 1314 6 6.9 -15 21.0 7.5 ^</p> <p>395 -15° 1315 6 7.1 -15 24.9 8.7 ^</p> <p>396 -15° 1318 6 8.5 -15 45.2 9.2 ^</p> <p>397 -15° 1320 6 8.9 -15 45.5 8.8 ^</p> <p>398 -15° 1321 6 9.0 -15 33.3 9.1 ^</p> <p>399 -15° 1322 6 9.3 -15 19.2 9.1 ^</p> <p>400 -15° 1325 6 9.5 -15 20.9 9.1 ^</p> <p>401 -15° 1327 6 9.9 -15 14.4 9.2 ^</p>

402|-15° 1328|6 10.3|-15 4.8| 8.5|^
403|-14° 1387|6 10.7|-14 27.0| 9.2|^
404|-14° ~~1390~~|6 11.1|-14 35.0|
9.5|~~1391~~|6 11.2|-14 39.4| 9.3|
405|-14° 1388|6 10.7|-14 57.1| 9.6|^
cards made out

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166
 Wednesday, Nov. 20, 1912
 B20581 short disp.
 No. | Int. | Class | Remark |
 406 | 2 | F0
 407 | 2 | F2
 408 | 3 | A0
 409 | 1 | G0
 410 | 1 | K0
 Time: 11.30 411 | 2 | F8
 412 |
 Cont. 133, 34

167
 406 | -14° 1384 | 6 9.8 | -14 17.4 | 9.8 | ^ |
 407 | -14° 1386 | 6 10.2 | -14 18.6 | 9.5 | ^ |
 408 | -14° 1375 | 6 8.8 | -14 59.9 | 9.5 | ^ |
 409 | -14° 1376 | 6 8.9 | -14 54.0 | 9.7 | ^ |
 410 | -14° 1378 | 6 9.1 | -14 59.1 | 9.5 | ^ |
 411 | -14° 1385 | 6 9.9 | -14 59.4 | 9.7 | ^ |
 Identified by AMC. Nov. 22+23, 1912
 Checked Dec. 13, 1912. LDW
 Cards made out by M.C.W.
 Cards checked by B.R.B.

166		167	
Wednesday, Nov. 20, 1912		Thursday, Nov. 21, 1912	
No.	Int.	No.	Int.
406	2	406	2
407	2	407	2
408	3	408	3
409	1	409	1
410	1	410	1
411	2	411	2
412		412	
Total 11.30 411 2 F8		Total 11.30 411 2 F8	
Cont. 133, 34		Cont. 133, 34	

Project PHaEDRA - Annie Jump Cannon 54
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168
 Monday, Dec.9,1912
 Time: 10.49 B20527 short disp.
 No.|Int.|Class|Remark|
 12|K5
 24|K0
 32|F5
 48|A0
 51|F2
 62|A5
 76|K5
 88|G5
 94|F5
 107|F2
 112|F0
 122|F2
 135|A0
 143|A3
 153|A2
 164|A3
 172|A3
 186|F0
 197|A0
 209|A0
 216|F0
 221|K0
 235|K0
 247|K0
 257|F0
 262|A5
 273|F5

169
 1|-35° 26|[/crossed out]68|[/crossed out]71|[/crossed out]6|[/crossed out]5 59. |[/crossed out]4|[/crossed out]5|-35 |[/crossed out]25.8|[/crossed out]6.6 |[/crossed out]9.7|[/crossed out]8.6||
 2|-35° 2678|6 0.6|-35 47.0 9.1||
 3|-36° 2630|6 0.3|-36 9.7 9.0||
 4|-36° 2660|6 3.1|-36 17.5 7.5||
 5|-36° 2658|6 2.8|-36 31.6 9.1||
 6|-36° 2656|6 2.6|-36 43.5 9.5||
 7|-37° 2605|6 3.0|-37 1.0 7.7||
 8|-37° 2607|6 3.0|-37 11.0 7.6||
 9|-36° 2677|6 4.7|-36 46.4 8.5||
 10|-36° 2674|6 4.4|-36 6.0 8.0||
 11|-35° 2728|6 5.6|-35 43.9 9.3||
 12|-35° 2730|6 5.6|-35 49.0 9.5||
 13|-35° 2733|6 6.0|-35 44.2 8.9||
 14|-35° 2742|6 7.0|-35 32.3 9.6||
 15|-35° 2736|6 6.2|-35 9.0 9.3||
 16|-35° 2715|6 5.1|-35 6.5 8.7||
 17|-35° 271|[/crossed out]5|[/crossed out]4|6 5.0|-35 17.5 9.7||
 18|-34° 2688|6 5.0|-34 55.5 8.7||
 19|-34° 2678|6 4.2|-34 59.5 8.7||
 20|-35° 2707|6 3.1|-35 12.5 8.0||
 21|-34° 2649|6 1.9|-34 43.4 8.3||
 22|-34° 2651|6 2.0|-34 58.0 9.6||
 23|-34° 2663|6 3.2|-34 28.0 8.3||
 24|-34° 2665|6 3.2|-34 37.9 7.5||
 25|-34° 2680|6 4.3|-34 23.6 8.3||
 26|-34° 2684|6 4.6|-34 18.7 9.5||

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Summary of results

Time in sec

Remarks

Summary of results

Date	Time	Class	Remarks
1	10.49	K5	
2		K0	
3		F5	
4		A0	
5		F2	
6		A5	
7		K5	
8		G5	
9		F5	
10		F2	
11		F0	
12		F2	
13		A0	
14		A3	
15		A2	
16		A3	
17		A3	
18		F0	
19		A0	
20		A0	
21		F0	
22		K0	
23		K0	
24		K0	
25		F0	
26		A5	
27		F5	

Date	Time	Class	Remarks
1	10.49	K5	
2		K0	
3		F5	
4		A0	
5		F2	
6		A5	
7		K5	
8		G5	
9		F5	
10		F2	
11		F0	
12		F2	
13		A0	
14		A3	
15		A2	
16		A3	
17		A3	
18		F0	
19		A0	
20		A0	
21		F0	
22		K0	
23		K0	
24		K0	
25		F0	
26		A5	
27		F5	

Summary of results

27|-36° 2687|6 4.8|-34 4.0 8.9||
cards made out

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Monday, Dec. 9, 1912
B 20527 short disp.

[[4 column table]]

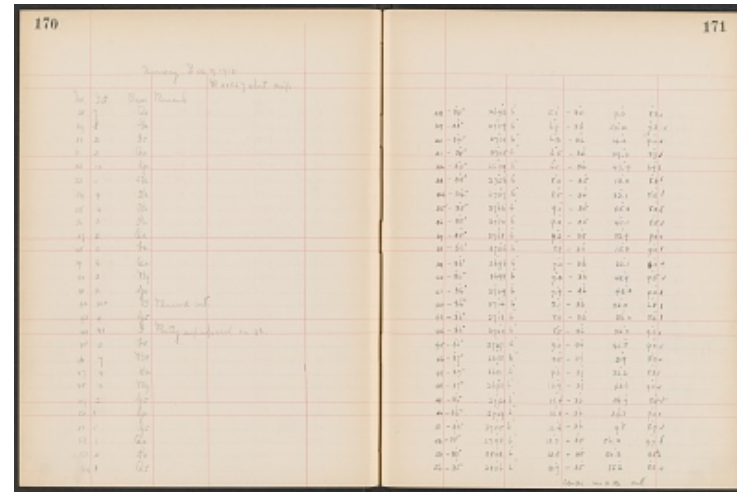
[No.][Int.][Class][Remark]

28|7|A0|
29|8|K2|
30|3|F5|
31|3|A0|
32|10|G0|
33|1|K2|
34|4|K2|
35|4|K0|
36|3|K0|
37|2|A2|
38|2|F2|
39|6|A0|
40|3|B9|
41|2|G0|
42|10+|B|Burned out.
43|4|G5|
44|~~[[[strikethrough]]] 4~~ ~~[[[strikethrough]]] 1|F|Partly superposed on 43.]~~
45|3|F5|
46|7|B8|
47|4|K2|
48|4|B9|
49|2|G5|
50|1|G0|
51|1|G5|
52|1|A0|
53|3|K0|
54|8|A5|

171

[[5-column chart]]

28|-34° 2692|6 5.1|-34 9.0|8.3
29|-33° 2779|6 6.7|-33 50.2|7.3
30|-34° 2701|6 6.2|-34 14.0|9.0
31|-34° 2705|6 6.5|-34 27.0|8.7
32|-34° 2699|6 6.1|-34 47.9|6.9
33|-35° 2756|6 8.0|-35 13.0|8.3
34|-34° 2727|6 8.5|-34 32.1|8.0
35|-35° 2766|6 9.1|-35 45.3|8.3
36|-35° 2770|6 9.3|-35 41.1|8.5
37|-35° 2768|6 9.2|-35 52.9|9.3
38|-36° 2726|6 8.9|-36 15.3|9.0
39|-36° 2696|6 7.0|-36 22.1|8.0
40|-36° 2699|6 7.3|-36 48.9|9.5
41|-36° 2709|6 7.9|-36 43.3|9.0
42|-36° 2714|6 8.1|-36 32.0|6.8
43|-36° 2718|6 8.4|-36 36.0|8.4
44|-36° 2720|6 8.5|-36 32.0|9.0
45|-36° 2727|6 9.0|-36 41.8|9.0
46|-37° 2668|6 8.5|-37 2.9|8.0
47|-37° 2681|6 9.6|-37 32.2|8.3
48|-37° 2690|6 10.9|-37 43.6|9.0
49|-36° 2743|6 10.4|-36 54.9|8.5
50|-36° 2749|6 10.8|-36 34.3|9.0
51|-36° 2755|6 11.4|-36 9.8|8.7



52|-35° 2798|6 12.0|-35 56.2|9.7
53|-35° 2802|6 12.5|-35 50.2|8.5
54|-35° 2806|6 12.7|-35 55.2|8.0
Cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

172

Monday, Dec.9,1912,
B20527 short disp.
[[4 column table]]
No.|Int.|Class|Remark

55|2|A0|
56|8|K0|
57|3|A2|
58|1|F8|
59|4|F2|
60|7|F5|
61|4|F5|
62|4|K5|
63|7|A5|
64|5|F5|
65|1|K5|
66|3|A0|
67|1|K0|
68|5|K2|
69|3|K0|
70|1|K0|
71|7|A|
72|6|A5|
73|5|K0|
74|7|K0|
75|3|F2|
76|3|A0|
77|3|G0|
78|4|K0|
79|3|K0|
80|5|F5|
81|2|G0|

173

[[6 column table]]

55|-36° 2780|6 12.8|-36 1.8 |9.0||
56|-35° 2799|6 12.0|-35 23.3 |7.7||
57|-35° 2786|6 10.9|-35 24.5 |9.0||
58|-35° 2780|6 10.2|-35 25.3 |9.3||
59|-35° 2775|6 9.8|-35 15.0 |8.7||
60|-34° 2754|6 10.9|-34 54.9 |8.3||
61|-34° 2759|6 11.4|-34 20.2 |8.5||
62|-34° 2763|6 11.7|-34 0.7 |7.7||
63|-33° 2862|6 12.9|-33 39.2 |8.3||
64|-33° 2872|6 13.6|-33 15.3 |8.3||
65|-34° 2770|6 12.6|-34 41.6 |8.9||
66|-34° 2784|6 14.0|-34 32.0 |9.3||
67|-35° 2828|6 14.5|-35 33.2 |9.3||
68|-35° 2825|6 14.4|-35 50.8 |7.5||
69|-35° 2839|6 15.4|-35 30.2 |8.5||
70|-35° 2846|6 16.2|-35 13.5 |9.1||
71|-35° 2847|6 16.3|-35 36.1 |8.5||
72|-35° 285|[[crossed out]]5|[[/crossed out]]4|6 16.7|-35 4|[[crossed out]]2|[[/crossed out]]5 |9|[[/crossed out]]3|[[/crossed out]]0| Chart plate B31160 shows the preceding star to be North-not South- as given in the cat. -35° 2855 superposed.|
73|-34° 2819|6 17.4|-34 42.5 |7.7||
74|-34° 2822|6 17.6|-34 59.5 |7.2||
75|-35° 2863|6 17.8|-35 17.9 |8.7||

172

January 2nd 1913.

Recepted with

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76|-35° 2861|6 17.7|-35 49.7 |9.7||
77|-35° 2870|6 18.7|-35 38.6 |8.9||
78|-35° 2883|6 19.9|-35 12.5 |8.3||
79|-35° 2877|6 19.4|-35 45.0 |8.5||
80|-36° 2870|6 19.5|-36 0.2 |8.7||
81|-36° 2858|6 18.9|-36 3.7 |9.4||
cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

Tuesday, Dec. 9, 1912
B20527 short disp.

[4 COLUMN TABLE]

No.	Int.	Class	Remark
82	2	K0	
83	2	A5	
84	2	G5	
85	1	F8	
86	8	A0	
87	2	K2	
88	7	F2	
89	3	A5	
90	7	G5	
91	8	F0	
92	3	K0	
93	1	K	
94	2	A5	
95	4	F2	
96	1	F5	
97	1	K5	
98	1	K2	
99	1	K0	
100	1	A3	
101	2	K5	
102	8	A0	
103	4	F8	
104	2	F8	
105	1	K0	
106	4	F0	
107	3	F5	
108	2	K2	

82	-36°	2840	6	17.4	-36	8.7	9.0
83	-36°	2832	6	17.0	-36	36.6	9.6
84	-36°	2825	6	16.4	-36	38.1	9.5
85	-36°	2827	6	16.5	-36	38.1	9.5
86	-36°	2817	6	15.9	-36	17.6	7.7
87	-36°	2809	6	15.1	-36	25.2	9.0
88	-36°	2804	6	14.8	-36	28.5	8.0
89	-36°	2800	6	14.5	-36	15.9	8.5
90	-37°	2758	6	16.6	-37	25.5	7.9
91	-37°	2751	6	15.1	-37	24.5	8.0
92	-37°	2733	6	15.1	-37	24.5	8.5
93	-37°	2739	6	15.5	-37	0.2	8.7
94	-37°	2715	6	13.0	-37	27.8	9.0
95	-37°	2711	6	13.2	-37	49.4	9.0
96	-36°	2717	6	12.4	-36	45.7	9.4
97	-36°	2767	6	12.2	-36	38.9	8.7
98	-37°	2579	6	0.6	-37	59.4	9.3
99	-37°	2596	6	1.8	-37	57.4	9.6
-37° 2595 magn. 9.7 Superposed							
100	-37°	2598	6	3.6	-37	42.4	9.5
101	-37°	2613	6	3.6	-37	55.9	9.0
102	-38°	2448	6	4.7	-38	3.4	7.7
103	-37°	2642	6	6.0	-37	49.9	8.9
104	-37°	2623	6	4.6	-37	22.3	9.3
105	-37°	2664	6	8.4	-37	54.9	8.7

174		175	
Spring Disp. 1912		Spring Disp. 1912	
No.	Class	No.	Class
82	K0	82	K0
83	A5	83	A5
84	G5	84	G5
85	F8	85	F8
86	A0	86	A0
87	K2	87	K2
88	F2	88	F2
89	A5	89	A5
90	G5	90	G5
91	F0	91	F0
92	K0	92	K0
93	K	93	K
94	A5	94	A5
95	F2	95	F2
96	F5	96	F5
97	K5	97	K5
98	K2	98	K2
99	K0	99	K0
100	A3	100	A3
101	K5	101	K5
102	A0	102	A0
103	F8	103	F8
104	F8	104	F8
105	K0	105	K0
106	F0	106	F0
107	F5	107	F5
108	K2	108	K2

106 -38° 2403 6 0.6 -38 42.9 8.5
107 -38° 2408 6 0.9 -38 40.9 8.9
108 -38° 2418 6 2.0 -38 54.2 8.8

cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

Page 176

Tuesday, Dec. 9, 1912.

B20527 short disp.

[[4 column table]]

No. | Int. | Class | Remark |

109	1	K2	
110	6	F2	
111	4	F0	
112	1	F8	
113	4	F2	
114	4	A2	
115	2	K5	
116	2	F0	
117	1	A5	
118	3	K2	
119	3	A0	
120	5	A5	
121	5	F2	
122	1	K0	
123	1	G	
124	3	K2	
125	2	K2	
126	1	F0	
127	7	A0	
128	10+	A2	
129	6	K0	
130	9	G5	
130a	1	G5	nearly all superposed on 130
131	3	K5	
132	2	A5	
133	6	K0	
134	1	A3	
135	3	K0	

Page 177

[[6 column table]]

109	-38° 2424	6 2.7	-38 35.5	8.5	[[checkmark]]
110	-38° 2433	6 3.7	-38 37.4	8.3	[[checkmark]]
111	-38° 2435	6 3.9	-38 57.5	8.9	[[checkmark]]
112	-39° 2384	0	0	0	6
	2.7	3.0	39 7.6		
	13.6	13.6	9.5	0	[[checkmark]]
113	-39° 2389	90	6 3.0	-39	
	13.6	27.8	9.0	5	[[checkmark]]
114	-39° 2412	6 5.8	-39 32.4	9.3	[[checkmark]]
115	-39° 2417	6 6.0	-39 11.1	9.2	[[checkmark]]
116	-39° 2420	6 6.3	-39 36.4	9.3	[[checkmark]]
117	-39° 2456	6 9.3	-39 33.9	9.4	[[checkmark]]
118	-38° 2511	6 9.7	-38 45.3	8.5	[[checkmark]]
119	-38° 2520	6 10.8	-38 39.9	9.5	[[checkmark]]
120	-38° 2534	6 11.9	-38 32.0	8.3	[[checkmark]]
121	-38° 2553	6 13.3	-38 32.2	8.3	[[checkmark]]

176

177

122|-39° 2470|6 10.4|-39 14.6|9.3|[[checkmark]]
 123|-39° 2467|6 10.2|-39 25.8|9.7|[[checkmark]]
 124|-39° 2480|6 11.4|-39 17.0|8.7|[[checkmark]]
 125|-39° 2482|6 11.4|-39 49.9|9.0|[[checkmark]]
 126|-40° 2340|6 11.0|-40 4.0|9.7|[[checkmark]]
 127|-39° 2493|6 12.7|-39 35.9|8.3|[[checkmark]]
 128|-39° 2491|6 12.5|-39 13.0|6.4|[[checkmark]]
 129|-38° 2569|6 14.4|-38 50.6|7.3|[[checkmark]]
 130|-39° 2524|~~5~~|~~6 15.7|-39~~
 25.9|~~24.9~~|~~7.5~~|~~8.5~~|~~rough~~]]|[[checkmark]]
 130a|-39° 2525|6 15.7|-39 24.9|8.5|[[checkmark]]
 131|-39° 2531|6 16.1|-39 10.2|8.1|[[checkmark]]
 132|-39° 2538|6 17.0|-39 1.3|9.0|[[checkmark]]
 133|-39° 2554|6 18.1|-39 10.2|7.7|[[checkmark]]
 134|-38° 2586|6 16.3|-38 25.3|9.3|[[checkmark]]
 135|-38° 2587|6 16.4|-38 6.1|8.3|[[checkmark]]

[[right margin, alongside 130 & 130a? Everything crossed out]] I think it
 is the br. one that is classified. ~~Ask Miss Cannon before~~
 writing card. ~~Have just asked her. It is the br. one. Try to~~
 get plate with narrow images. Jan 7, 1913. [[/right margin]]

cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

157	-33°	2930	6	18.0	-33	48.4	8.3
158	-33°	2935	6	18.3	-33	33.0	7.7
159	-33°	2944	6	19.1	-33	14.7	8.0
160	-37°	2818	6	21.6	-37	13.3	8.5
161	-37°	2831	6	22.5	-37	9.0	8.3
162	-37°	2838	6	22.9	-37	1.7	8.3

cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

180
Monday, Dec. 9, 1912.
B20527 short disk.
[[4 column table]]
No.|Int.|Class|Remark|
163|3|A2| |
164|2|Y|Appears like 2 stars of class Y.|
165|3|K5| |
166|2|Ma| |
167|1|F0| |
168|1|K0| |
169|2|Y5| |
170|2|A0|The following of two.|
171|6|K2| |
172|2|F0| |
173|2|A0| |
174|5|K5| |
175|3|K0| |
176|1|K0| |
177|1|A0| |
178|5|A2| |
179|3|A0| |
180|4|Y5| |
181|3|K5| |
182|2|A0| |
183|2|Y5| |
184|6|F0| |
185|1|K| |
186|10+|F| |
187|3|Ma| |
188|3|A2| |
189|6|A0| |
[[/4 column table]]

181
[[9 column table]]
163|-37° 2835|6|22.9|-37|28.4|9.5|
164|-37° 2821|6|21.9|-37|47.1|9.3|
165|-38° 2631|6|20.4|-38|12.2|8.1|
166|-38° 2628|6|20.2|-38|0.8|8.7|
167|-37° 2807|6|20.2|-37|31.9|9.4|
168|-37° 2805|6|20.1|-37|28.5|9.2|
169|-37° 2799|6|19.6|-37|55.9|8.9|
170|-38° 2619|6|19.4|-38|12.7|9.4|
171|-39° 2577|6|20.0|-39|38.3|7.9|
172|-39° 2563|6|18.7|-39|46.3|9.1|
173|-39° 2584|6|21.0|-39|23.4|9.4|
174|-38° 2647|6|21.7|-38|52.5|7.5|
175|-38° 2651|6|22.4|-38|49.0|8.3|
176|-
38° 26[[/strikethrough]]36[[/strikethrough]]40|6|2[[/strikethrough]]0.3[[/strikethrough]]1.1|
38[[/strikethrough]]58.6[[/strikethrough]]44.0|8. [[/strikethrough]]7[[/strikethrough]]5|
177|-38° 2636|6|20.8|-38|58.6|8.7|
178|-39° 2593|6|22.1|-39|24.7|8.7|
179|-39° 2[[/strikethrough]]6[[/strikethrough]]598|6|22.5|-39|12.3|9.6|
180|-39° 2596|6|22.3|-39|36.8|8.5|
181|-39° 2606|6|23.2|-39|34.2|8.2|
182|-38° 2670|6|24.2|-38|48.4|9.0|
183|-38° 2675|6|24.5|-38|29.2|8.7|

180		181	
Sunday, Dec. 9, 1912.			
B20527 short disk.			
No.	Int.	Class	Remark
163	3	A2	
164	2	Y	Appears like 2 stars of class Y.
165	3	K5	
166	2	Ma	
167	1	F0	
168	1	K0	
169	2	Y5	
170	2	A0	The following of two.
171	6	K2	
172	2	F0	
173	2	A0	
174	5	K5	
175	3	K0	
176	1	K0	
177	1	A0	
178	5	A2	
179	3	A0	
180	4	Y5	
181	3	K5	
182	2	A0	
183	2	Y5	
184	6	F0	
185	1	K	
186	10+	F	
187	3	Ma	
188	3	A2	
189	6	A0	

184	-38°	2677	6	24.6	-38	14.2	8.1	
185	-38°	2655	6	22.8	-38	20.2	9.1	
186	-37°	2837	6	22.9	-37	49.4	6.5	
187	-37°	2854	6	24.6	-37	15.4	8.3	
188	-37°	2857	6	25.2	-37	41.2	9.6	
189	-37°	2864	6	25.6	-37	55.2	8.5	

[[/9 column table]]
Cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

182

Monday, Dec. 9, 1912

[[four column chart]]

|---|---|B20527 short disp.|---

No.|Int. Class|Remark|---|---

190|4 K|E.|---|---

191|8 Ma|E.|---|---

192|5 A0|---|---|---

Time:11.30 193|6 A0|---|---|---

[[next page]]

183

190|-36° 2950|6 26.5|-36 59.3 8.6|[check mark]

191|-36° 2962|6 27.3|-36 51.3 6.9|[check mark]

192|-36° 2939|6 25.3|-36 6.1 8.5|[check mark]

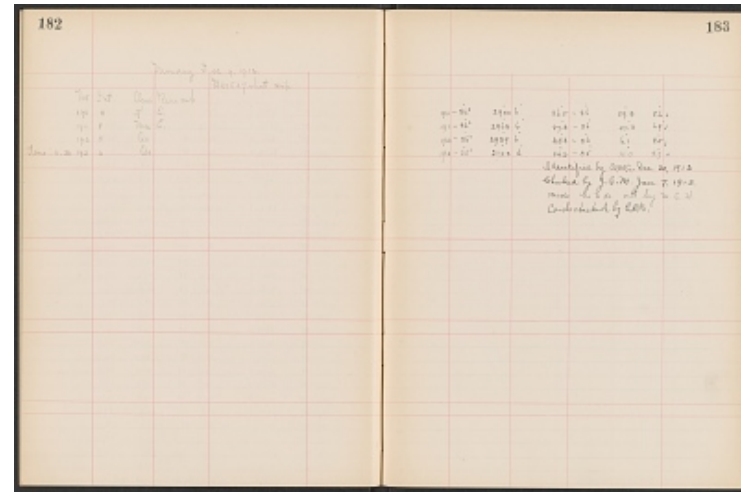
193|-35° 2923|6 24.2|-35 11.0 8.7|[check mark]

Identified by A.M.C. Dec. 20, 1912

Checked by J.C.M. Jan. 7, 1913

cards made out by M.C.W.

Cards checked by B.R.B.

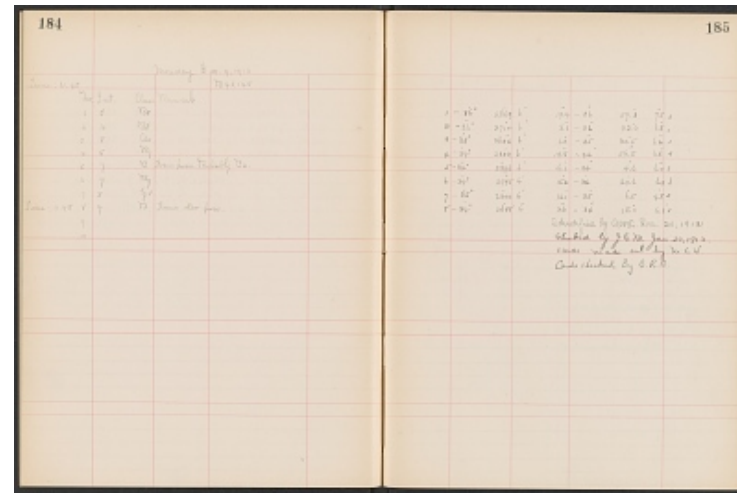


Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

184
Monday Dec. 9. 1912
Time: 11.45 B42145

No.	Int	Class	Remark
1	5	B8	
2	4	B8	
3	8	A0	
4	5	B9	
5	7	B	Focus poor. Probably B2.
6	7	B9	
7	8	y5	
Time:	11:48.8	7	B Focus too poor.
9			
10			

185
1|-36° 2869|6 19.4|-36 57.3 7.5||
2|-36° 2714|6 8.1|-36 32.0 6.8||
3|-35° 2684|6 1.0|-35 30.5 6.2||
4|-34° 2833|6 18.8|-34 56.5 6.8||
5|-34° 2806|6 16.1|-34 4.6 6.0||
6|-34° 2795|6 15.2|-34 20.6 6.3||
7|-35° 2800|6 12.1|-35 6.5 4.8||
8|-34° 2655|6 2.6|-34 18.0 6.1||
Identified by AMC. Dec. 20, 1912
Checked by J.C.M. Jan. 20, 1913
cards made out by M.C.W.
Cards checked by B.R.B.



Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

186
 Monday, Dec.9,1912
 Time: 12.20 B14690 short disp(cont fr. B53,86)
 No.|Int.|Class|Remark|
 134|2|G0
 135|2|F5
 136|4|A5
 137|6|F2
 138|2|K0
 139|3|K2
 140|4|K0
 141|1|K5
 142|5|G5|E.
 143|7|A|E.
 144|2|F0
 145|2|F2
 146|3|K5
 Time: 12.25 147|3|F|E.
 148|

187
 134|-29° 2459|5 40.5|-29 57.7 8.8|^|
 135|-30° 2627|5 43.3|-30 57.7 8.5|^|
 136|-31° 2759|5 44.6|-31 8.1 8.0|^|
 137|-31° 2757|5 44.4|-31 44.2 7.3|^|
 138|-32° 2572|5 44.4|-32 4.0 8.5|^|
 139|-31° 2785|5 46.9|-31 48.2 7.5|^|
 140|-32° 2599|5 46.6|-32 20.3 8.0|^|
 141|-32° 2609|5 47.6|-32 14.2 8.5|^|
 142|-32° 2614|5 48.2|-32 21.7 7.8|^|
 143|-32° 2620|5 48.6|-32 50.0 8.0|^|
 144|-3|[/crossed out]|2|[/crossed out]|3° 2537|5 42.4|-33 48.4 9.0|^|
 145|-33° 2544|5 43.3|-33 28.2 9.0|^|
 146|-30° 2685|5 48.3|-30 35. 7.9|^|
 147|-30° 2697|5 49.0|-30 42.4 8.6|^|
 Identified by AMC Dec.21,1912
 Checked Dec.28,1912 LDW
 cards made out by M.C.W.
 Cards checked by BRB.

186					187				
Transcribing Log 9.19.12					Transcribing Log 9.19.12				
Time	Lat	Long	Alt	Remarks	Time	Lat	Long	Alt	Remarks
12.20	29° 24'	59' 40"	5.4		12.20	29° 24'	59' 40"	5.4	
12.21	30° 26'	27' 43"	5.4		12.21	30° 26'	27' 43"	5.4	
12.22	31° 27'	59' 44"	5.4		12.22	31° 27'	59' 44"	5.4	
12.23	31° 27'	57' 44"	5.4		12.23	31° 27'	57' 44"	5.4	
12.24	32° 25'	72' 44"	5.4		12.24	32° 25'	72' 44"	5.4	
12.25	31° 27'	85' 46"	5.4		12.25	31° 27'	85' 46"	5.4	
12.26	32° 25'	99' 46"	5.4		12.26	32° 25'	99' 46"	5.4	
12.27	31° 27'	112' 48"	5.4		12.27	31° 27'	112' 48"	5.4	
12.28	32° 25'	125' 50"	5.4		12.28	32° 25'	125' 50"	5.4	
12.29	31° 27'	138' 52"	5.4		12.29	31° 27'	138' 52"	5.4	
12.30	32° 25'	151' 54"	5.4		12.30	32° 25'	151' 54"	5.4	
12.31	31° 27'	164' 56"	5.4		12.31	31° 27'	164' 56"	5.4	
12.32	32° 25'	177' 58"	5.4		12.32	32° 25'	177' 58"	5.4	
12.33	31° 27'	190' 60"	5.4		12.33	31° 27'	190' 60"	5.4	
12.34	32° 25'	203' 62"	5.4		12.34	32° 25'	203' 62"	5.4	
12.35	31° 27'	216' 64"	5.4		12.35	31° 27'	216' 64"	5.4	
12.36	32° 25'	229' 66"	5.4		12.36	32° 25'	229' 66"	5.4	
12.37	31° 27'	242' 68"	5.4		12.37	31° 27'	242' 68"	5.4	
12.38	32° 25'	255' 70"	5.4		12.38	32° 25'	255' 70"	5.4	
12.39	31° 27'	268' 72"	5.4		12.39	31° 27'	268' 72"	5.4	
12.40	32° 25'	281' 74"	5.4		12.40	32° 25'	281' 74"	5.4	
12.41	31° 27'	294' 76"	5.4		12.41	31° 27'	294' 76"	5.4	
12.42	32° 25'	307' 78"	5.4		12.42	32° 25'	307' 78"	5.4	
12.43	31° 27'	320' 80"	5.4		12.43	31° 27'	320' 80"	5.4	
12.44	32° 25'	333' 82"	5.4		12.44	32° 25'	333' 82"	5.4	
12.45	31° 27'	346' 84"	5.4		12.45	31° 27'	346' 84"	5.4	
12.46	32° 25'	359' 86"	5.4		12.46	32° 25'	359' 86"	5.4	
12.47	31° 27'	372' 88"	5.4		12.47	31° 27'	372' 88"	5.4	
12.48	32° 25'	385' 90"	5.4		12.48	32° 25'	385' 90"	5.4	
12.49	31° 27'	398' 92"	5.4		12.49	31° 27'	398' 92"	5.4	
12.50	32° 25'	411' 94"	5.4		12.50	32° 25'	411' 94"	5.4	
12.51	31° 27'	424' 96"	5.4		12.51	31° 27'	424' 96"	5.4	
12.52	32° 25'	437' 98"	5.4		12.52	32° 25'	437' 98"	5.4	
12.53	31° 27'	450' 100"	5.4		12.53	31° 27'	450' 100"	5.4	
12.54	32° 25'	463' 102"	5.4		12.54	32° 25'	463' 102"	5.4	
12.55	31° 27'	476' 104"	5.4		12.55	31° 27'	476' 104"	5.4	
12.56	32° 25'	489' 106"	5.4		12.56	32° 25'	489' 106"	5.4	
12.57	31° 27'	502' 108"	5.4		12.57	31° 27'	502' 108"	5.4	
12.58	32° 25'	515' 110"	5.4		12.58	32° 25'	515' 110"	5.4	
12.59	31° 27'	528' 112"	5.4		12.59	31° 27'	528' 112"	5.4	
12.60	32° 25'	541' 114"	5.4		12.60	32° 25'	541' 114"	5.4	
12.61	31° 27'	554' 116"	5.4		12.61	31° 27'	554' 116"	5.4	
12.62	32° 25'	567' 118"	5.4		12.62	32° 25'	567' 118"	5.4	
12.63	31° 27'	580' 120"	5.4		12.63	31° 27'	580' 120"	5.4	
12.64	32° 25'	593' 122"	5.4		12.64	32° 25'	593' 122"	5.4	
12.65	31° 27'	606' 124"	5.4		12.65	31° 27'	606' 124"	5.4	
12.66	32° 25'	619' 126"	5.4		12.66	32° 25'	619' 126"	5.4	
12.67	31° 27'	632' 128"	5.4		12.67	31° 27'	632' 128"	5.4	
12.68	32° 25'	645' 130"	5.4		12.68	32° 25'	645' 130"	5.4	
12.69	31° 27'	658' 132"	5.4		12.69	31° 27'	658' 132"	5.4	
12.70	32° 25'	671' 134"	5.4		12.70	32° 25'	671' 134"	5.4	
12.71	31° 27'	684' 136"	5.4		12.71	31° 27'	684' 136"	5.4	
12.72	32° 25'	697' 138"	5.4		12.72	32° 25'	697' 138"	5.4	
12.73	31° 27'	710' 140"	5.4		12.73	31° 27'	710' 140"	5.4	
12.74	32° 25'	723' 142"	5.4		12.74	32° 25'	723' 142"	5.4	
12.75	31° 27'	736' 144"	5.4		12.75	31° 27'	736' 144"	5.4	
12.76	32° 25'	749' 146"	5.4		12.76	32° 25'	749' 146"	5.4	
12.77	31° 27'	762' 148"	5.4		12.77	31° 27'	762' 148"	5.4	
12.78	32° 25'	775' 150"	5.4		12.78	32° 25'	775' 150"	5.4	
12.79	31° 27'	788' 152"	5.4		12.79	31° 27'	788' 152"	5.4	
12.80	32° 25'	801' 154"	5.4		12.80	32° 25'	801' 154"	5.4	
12.81	31° 27'	814' 156"	5.4		12.81	31° 27'	814' 156"	5.4	
12.82	32° 25'	827' 158"	5.4		12.82	32° 25'	827' 158"	5.4	
12.83	31° 27'	840' 160"	5.4		12.83	31° 27'	840' 160"	5.4	
12.84	32° 25'	853' 162"	5.4		12.84	32° 25'	853' 162"	5.4	
12.85	31° 27'	866' 164"	5.4		12.85	31° 27'	866' 164"	5.4	
12.86	32° 25'	879' 166"	5.4		12.86	32° 25'	879' 166"	5.4	
12.87	31° 27'	892' 168"	5.4		12.87	31° 27'	892' 168"	5.4	
12.88	32° 25'	905' 170"	5.4		12.88	32° 25'	905' 170"	5.4	
12.89	31° 27'	918' 172"	5.4		12.89	31° 27'	918' 172"	5.4	
12.90	32° 25'	931' 174"	5.4		12.90	32° 25'	931' 174"	5.4	
12.91	31° 27'	944' 176"	5.4		12.91	31° 27'	944' 176"	5.4	
12.92	32° 25'	957' 178"	5.4		12.92	32° 25'	957' 178"	5.4	
12.93	31° 27'	970' 180"	5.4		12.93	31° 27'	970' 180"	5.4	
12.94	32° 25'	983' 182"	5.4		12.94	32° 25'	983' 182"	5.4	
12.95	31° 27'	996' 184"	5.4		12.95	31° 27'	996' 184"	5.4	
12.96	32° 25'	1009' 186"	5.4		12.96	32° 25'	1009' 186"	5.4	
12.97	31° 27'	1022' 188"	5.4		12.97	31° 27'	1022' 188"	5.4	
12.98	32° 25'	1035' 190"	5.4		12.98	32° 25'	1035' 190"	5.4	
12.99	31° 27'	1048' 192"	5.4		12.99	31° 27'	1048' 192"	5.4	
13.00	32° 25'	1061' 194"	5.4		13.00	32° 25'	1061' 194"	5.4	

Project PHaEDRA - Annie Jump Cannon 54
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Monday, Dec.9,1912

[[four column chart]]

time:12.22 B10682 short disp.]

No. | Int Class | Remark

1| 6 | A | E.
2| 7 | F | E.
3| 2 | G0 | ---
4| 2 | K0 | ---
5| 5 | K0 | ---
6| 3 | K2 | ---
7| 2 | A0 | ---
8| 5 | G5 | ---
9| 7 | A | ---
10| 2 | K0 | ---
11| 3 | F5 | ---
12| 2 | K0 | ---
13| 2 | K2 | ---
14| 4 | A3 | ---
15| 3 | G5 | ---
16| 3 | A2 | ---
17| 7 | K0 | ---
18| 3 | A0 | ---
19| 1 | K0 | ---
20| 2 | F2 | ---
21| 4 | A2 | ---
22| 2 | G5 | ---
23| 1 | G5 | ---
24| 7 | B9 | ---
25| 2 | G5 | ---
26| 2 | A | ---
27| 5 | B9 | ---

189

[[5 column table]]

1	-31° 2844	5 51.3	-31 33.2	6.8
2	-31° 2848	5 51.7	-31 24.0	5.6
3	-31° 2859	5 52.4	-31 16.4	8.5
4	-31° 2841	5 51.1	-31 53.7	7.9
5	-31° 2854	5 52.2	-31 59.2	6.7
6	-31° 2871	5 53.3	-31 56.1	7.1
7	-31° 2879	5 53.9	-31 53.6	8.3
8	-32° 2696	5 54.6	-32 13.5	7.3
9	-33° 2637	5 52.0	-33 27.0	7.7
10	-33° 2623	5 50.4	-33 40.7	8.3
11	-33° 2624	5 50.6	-33 57.3	8.5
12	-33° 2613	5 49.8	-33 53.9	8.2
13	-35° 2596	5 51.5	-35 7.3	8.3
14	-34° 2560	5 53.4	-34 28.7	7.3
15	-34° 2571	5 54.5	-34 23.0	8.5
16	-33° 2660	5 54.6	-33 49.6	8.0
17	-33° 2681	5 56.7	-33 54.9	5.9
18	-34° 2604	5 57.4	-34 30.7	8.3
19	-33° 2685	5 57.0	-33 44.1	8.6
20	-33° 269	[[strikethrough]] 5	[[/strikethrough]] 4 5 58.0 -33 39.1	9.0
21	-33° 2699	5 58.3	-33 18.5	8.5
22	-33° 2704	5 58.9	-33 4.0	8.4

188	189
<p>Transit of Dec. 9, 1912</p> <p>Time of day 12.22</p> <p>Short disp.]</p> <p>No. Int Class Remark</p> <p>1 6 A E. 2 7 F E. 3 2 G0 --- 4 2 K0 --- 5 5 K0 --- 6 3 K2 --- 7 2 A0 --- 8 5 G5 --- 9 7 A --- 10 2 K0 --- 11 3 F5 --- 12 2 K0 --- 13 2 K2 --- 14 4 A3 --- 15 3 G5 --- 16 3 A2 --- 17 7 K0 --- 18 3 A0 --- 19 1 K0 --- 20 2 F2 --- 21 4 A2 --- 22 2 G5 --- 23 1 G5 --- 24 7 B9 --- 25 2 G5 --- 26 2 A --- 27 5 B9 ---</p>	<p>Transit of Dec. 9, 1912</p> <p>Time of day 12.22</p> <p>Short disp.]</p> <p>No. Int Class Remark</p> <p>1 6 A E. 2 7 F E. 3 2 G0 --- 4 2 K0 --- 5 5 K0 --- 6 3 K2 --- 7 2 A0 --- 8 5 G5 --- 9 7 A --- 10 2 K0 --- 11 3 F5 --- 12 2 K0 --- 13 2 K2 --- 14 4 A3 --- 15 3 G5 --- 16 3 A2 --- 17 7 K0 --- 18 3 A0 --- 19 1 K0 --- 20 2 F2 --- 21 4 A2 --- 22 2 G5 --- 23 1 G5 --- 24 7 B9 --- 25 2 G5 --- 26 2 A --- 27 5 B9 ---</p>

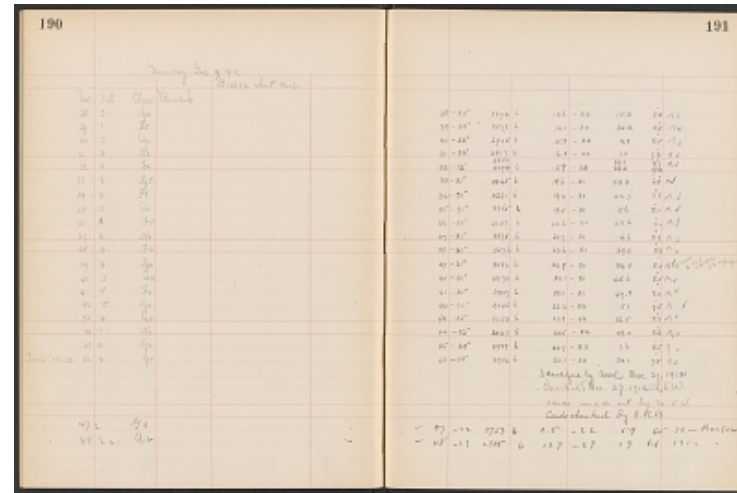
23 | -33° 2703 | 5 58.9 | -33 37.1 | 8.5
24 | -33° 2724 | 6 0.9 | -33 29.4 | 7.5
25 | -33° 2747 | 6 3.5 | -33 34.2 | 9.3
26 | -33° 2816 | 6 9.5 | -33 9.4 | 8.5
27 | -32° ~~2900~~ | 6 11.8 | -32 23.7 | 8.0 ~~[[/strikethrough]]~~
2886 | 6 10.9 | -32 29.8 | 8.0
cards made out

Project PHaEDRA - Annie Jump Cannon 54
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190
 Wednesday, Dec. 19, 1912.
 B10682 short disk.
 [[4 column table]]
 No.|Int.|Class|Remark|

28|3|Y0|
 29|1|F5|
 30|3|A0|
 31|3|K0|
 32|2|F2|
 33|6|Y5|
 34|3|F8|
 35|2|A0|
 36|2|F5|
 37|2|K0|
 38|3|F2|
 39|3|Y0|
 40|3|A2|
 41|5|F0|
 42|5|Y0|
 43|4|A3|
 44|1|K0|
 45|2|Y0|
 Time: 12.30 46|4|Y5| |
 47|2|Y0| |
 48|3|A2| |
 [[/4 column table]]

191
 [[9 column table]]
 28|-33°|2872|6|13.6|-33|15.3|8.3|^|
 29|-33°|2873|6|14.1|-33|32.2|8.5|^|
 30|-33°|2905|6|15.3|-33|4.8|8.5|^|
 31|-33°|2917|6|16.8|-33|1.0|7.3|^|
 32|-32°|~~3192~~|2950|6|15.9|-
 32|~~28.8~~|33.1|~~9.2~~|~~8.7~~|^|
 33|-31°|3245|6|18.6|-31|43.3|6.8|^|
 34|-31°|3261|6|19.4|-31|42.7|8.3|^|
 35|-31°|3265|6|19.5|-31|5.6|8.1|^|
 36|-30°|3138|6|20.6|-30|48.6|8.0|^|
 37|-31°|3278|6|20.7|-31|4.6|8.3|^|
 38|-31°|3276|6|20.6|-31|29.5|8.3|^|
 39|-31°|3286|6|20.9|-31|24.5|8.0|^| -31° 3284 -31 27.2 9.3 superposed|
 40|-31°|3270|6|20.1|-31|45.6|8.5|^|
 41|-31°|3307|6|22.1|-31|47.8|8.0|^|
 42|-32°|3046|6|22.4|-32|5.1|7.5|^|
 43|-32°|3053|6|22.8|-32|32.5|8.3|^|
 44|-32°|3047|6|22.5|-32|49.0|8.6|^|
 45|-33°|2989|6|22.7|-33|1.6|8.5|^|
 46|-33°|2982|6|22.1|-33|20.1|7.5|^|
 Identified by A.M.C. Dec. 21, 1912
 Checked, Dec. 21, 1912. L.D.W.
 Cards made out by M.C.W.
 Cards checked by G.R.B.
 47|-32|2753|6|0.5|-32|59|85|79 mBxEop|
 48|-29|2985|6|13.7|-29|19|8.6|1319|
 [[/9 column table]]



Project PHaEDRA - Annie Jump Cannon 54
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192
 Wednesday January 1, 1913
 (Continued from page 48) B41089 short
 No. | Int. | Class | Remark
 96 | 2 | G5
 97 | 4 | K0
 98 | 5 | K0
 99 | 5 | G5
 100 | 6 | K0
 101 | 3 | G5
 102 | 2 | ML
 103 | 10 | A0
 103a | 7 | F2 | The N.P.
 104 | 1 | G5
 105 | 1 | K5
 106 | 1 | K5
 107 | 2 | K2
 108 | 2 | K5
 109 | 4 | F5
 110 | 2 | K5
 111 | 1 | G5
 112 | 8 | F0
 113 | 2 | A0
 114 | 2 | A3
 115 | 2 | K2
 116 | 2 | K5 E,
 117 | 3 | K0
 118 | 2 | G5
 119 | 1 | G5
 120 | 2 | G | E
 121 | 2 | G5 | E
 122 | 3 | F5

193
 96 | -20° 784 | 4 0.4 | -20 52.2 9.0^
 97 | -20° 790 | 4 2.1 | -20 52.6 8.4^
 98 | -21° 797 | 4 2.8 | -21 5.5 8.5^
 99 | -20° 791 | 4 2.3 | -20 27.1 8.2^
 100 | -20° 792 | 4 2.7 | -20 39.5 8.4^
 101 | -20° 793 | 4 2.9 | -20 48.3 8.8^
 102 | -20° 798 | 4 4.7 | -20 25.7 8.7^
 103 | -20° 801 | 4 5.2 | -20 44.2 6.1^ ~~[[/crossed out]]~~ +20° 800 4 5.2 +20 42.8
 magn. 8.6 ~~[[/crossed out]]~~
 103 | -20° 800 | 4 5.2 | -20 42.8 8.6
 104 | -21° 805 | 4 5.1 | -21 33.5 9.1^
 105 | -21° 809 | 4 5.5 | -21 7.7 9.1^
 106 | -20° 802 | 4 5.7 | -20 51.6 9.1^
 107 | -20° 804 | 4 6.2 | -20 42.5 9.1^
 108 | -20° 805 | 4 6.4 | -20 17.7 9.0^
 109 | -20° 807 | 4 6.6 | -20 13.4 8.7^
 110 | -20° 812 | 4 8.8 | -20 21.2 8.6^
 111 | -19° 864 | 4 10.2 | -19 58.4 8.9^
 112 | -19° 870 | 4 11.0 | -19 53.1 7.8^
 113 | -20° 819 | 4 11.4 | -20 14.3 8.8^
 114 | -20° 821 | 4 11.7 | -20 56.7 9.1^
 115 | -20° 824 | 4 12.3 | -20 40.9 8.9^
 116 | -19° 875 | 4 11.9 | -19 35.6 8.3^
 117 | -21° 760 | ~~[[/crossed out]]~~ 4 ~~[[/crossed out]]~~ 3 54.6 | -21 54.5 8.3^
 118 | -22° 733 | 3 55.8 | -22 3.4 8.8^
 119 | -22° 735 | 3 56.4 | -22 23.4 8.8^
 120 | -25° 1671 | 3 34.7 | -25 41.1 8.8^

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193

Wednesday, January 1, 1913

(Continued from page 48) B41089 short

No.	Int.	Class	Remark																	
96	2	G5								96	-20°	784	4	0.4	-20 52.2	9.0^				
97	4	K0								97	-20°	790	4	2.1	-20 52.6	8.4^				
98	5	K0								98	-21°	797	4	2.8	-21 5.5	8.5^				
99	5	G5								99	-20°	791	4	2.3	-20 27.1	8.2^				
100	6	K0								100	-20°	792	4	2.7	-20 39.5	8.4^				
101	3	G5								101	-20°	793	4	2.9	-20 48.3	8.8^				
102	2	ML								102	-20°	798	4	4.7	-20 25.7	8.7^				
103	10	A0								103	-20°	801	4	5.2	-20 44.2	6.1^	[[/crossed out]]	+20° 800	4 5.2 +20 42.8	
103a	7	F2	The N.P.																	
104	1	G5								104	-21°	805	4	5.1	-21 33.5	9.1^				
105	1	K5								105	-21°	809	4	5.5	-21 7.7	9.1^				
106	1	K5								106	-20°	802	4	5.7	-20 51.6	9.1^				
107	2	K2								107	-20°	804	4	6.2	-20 42.5	9.1^				
108	2	K5								108	-20°	805	4	6.4	-20 17.7	9.0^				
109	4	F5								109	-20°	807	4	6.6	-20 13.4	8.7^				
110	2	K5								110	-20°	812	4	8.8	-20 21.2	8.6^				
111	1	G5								111	-19°	864	4	10.2	-19 58.4	8.9^				
112	8	F0								112	-19°	870	4	11.0	-19 53.1	7.8^				
113	2	A0								113	-20°	819	4	11.4	-20 14.3	8.8^				
114	2	A3								114	-20°	821	4	11.7	-20 56.7	9.1^				
115	2	K2								115	-20°	824	4	12.3	-20 40.9	8.9^				
116	2	K5 E,								116	-19°	875	4	11.9	-19 35.6	8.3^				
117	3	K0								117	-21°	760	[[/crossed out]]	4 [[/crossed out]]	3 54.6	-21 54.5	8.3^			
118	2	G5								118	-22°	733	3	55.8	-22 3.4	8.8^				
119	1	G5								119	-22°	735	3	56.4	-22 23.4	8.8^				
120	3	F5								120	-25°	1671	3	34.7	-25 41.1	8.8^				

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193

Wednesday, January 1, 1913

(Continued from page 48) B41089 short

No.	Int.	Class	Remark																	
96	2	G5								96	-20°	784	4	0.4	-20 52.2	9.0^				
97	4	K0								97	-20°	790	4	2.1	-20 52.6	8.4^				
98	5	K0								98	-21°	797	4	2.8	-21 5.5	8.5^				
99	5	G5								99	-20°	791	4	2.3	-20 27.1	8.2^				
100	6	K0								100	-20°	792	4	2.7	-20 39.5	8.4^				
101	3	G5								101	-20°	793	4	2.9	-20 48.3	8.8^				
102	2	ML								102	-20°	798	4	4.7	-20 25.7	8.7^				
103	10	A0								103	-20°	801	4	5.2	-20 44.2	6.1^	[[/crossed out]]	+20° 800	4 5.2 +20 42.8	
103a	7	F2	The N.P.																	
104	1	G5								104	-21°	805	4	5.1	-21 33.5	9.1^				
105	1	K5								105	-21°	809	4	5.5	-21 7.7	9.1^				
106	1	K5								106	-20°	802	4	5.7	-20 51.6	9.1^				
107	2	K2								107	-20°	804	4	6.2	-20 42.5	9.1^				
108	2	K5								108	-20°	805	4	6.4	-20 17.7	9.0^				
109	4	F5								109	-20°	807	4	6.6	-20 13.4	8.7^				
110	2	K5								110	-20°	812	4	8.8	-20 21.2	8.6^				
111	1	G5								111	-19°	864	4	10.2	-19 58.4	8.9^				
112	8	F0								112	-19°	870	4	11.0	-19 53.1	7.8^				
113	2	A0								113	-20°	819	4	11.4	-20 14.3	8.8^				
114	2	A3								114	-20°	821	4	11.7	-20 56.7	9.1^				
115	2	K2								115	-20°	824	4	12.3	-20 40.9	8.9^				
116	2	K5 E,								116	-19°	875	4	11.9	-19 35.6	8.3^				
117	3	K0								117	-21°	760	[[/crossed out]]	4 [[/crossed out]]	3 54.6	-21 54.5	8.3^			
118	2	G5								118	-22°	733	3	55.8	-22 3.4	8.8^				
119	1	G5								119	-22°	735	3	56.4	-22 23.4	8.8^				
120	3	F5								120	-25°	1671	3	34.7	-25 41.1	8.8^				

192

193

Wednesday, January 1, 1913

(Continued from page 48) B41089 short

No.	Int.	Class	Remark																	
96	2	G5								96	-20°	784	4	0.4	-20 52.2	9.0^				
97	4	K0								97	-20°	790	4	2.1	-20 52.6	8.4^				
98	5	K0								98	-21°	797	4	2.8	-21 5.5	8.5^				
99	5	G5								99	-20°	791	4	2.3	-20 27.1	8.2^				
100	6	K0								100	-20°	792	4	2.7	-20 39.5	8.4^				
101	3	G5								101	-20°	793	4	2.9	-20 48.3	8.8^				
102	2	ML								102	-20°	798	4	4.7	-20 25.7	8.7^				
103	10	A0								103	-20°	801	4	5.2	-20 44.2	6.1^	[[/crossed out]]	+20° 800	4 5.2 +20 42.8	
103a	7	F2	The N.P.																	
104	1	G5								104	-21°	805	4	5.1	-21 33.5	9.1^				
105	1	K5								105	-21°	809	4	5.5	-21 7.7	9.1^				
106	1	K5								106	-20°	802	4	5.7	-20 51.6	9.1^				
107	2	K2								107	-20°	804	4	6.2	-20 42.5	9.1^				
108	2	K5								108	-20°	805	4	6.4	-20 17.7	9.0^				
109	4	F5								109	-20°	807	4	6.6	-20 13.4	8.7^				
110	2	K5								110	-20°	812	4	8.8	-20 21.2	8.6^				
111	1	G5								111	-19°	864	4	10.2	-19 58.4	8.9^				
112	8	F0								112	-19°	870	4	11.0	-19 53.1	7.8^				
113	2	A0								113	-20°	819	4	11.4	-20 14.3	8.8^				
114	2	A3								114	-20°	821	4	11.7	-20 56.7	9.1^				
115	2	K2								115	-20°	824	4	12.3	-20 40.9	8.9^				
116	2	K5 E,								116	-19°	875	4	11.9	-19 35.6	8.3^				
117	3	K0								117	-21°	760	[[/crossed out]]	4 [[/crossed out]]	3 54.6	-21 54.5	8.3^			
118	2	G5								118	-22°	733	3	55.8	-22 3.4	8.8^				
119	1	G5								119	-22°	735	3	56.4	-22 23.4	8.8^				
120	3	F5								120	-25°	1671	3	34.7	-25 41.1	8.8^				

192

193

Wednesday, January 1, 1913

(Continued from page 48) B41089 short

No.	Int.	Class	Remark																
96	2	G5								96	-20°	784	4	0.4	-20 52.2	9.0^			
97	4	K0								97	-20°	790	4	2.1	-20 52.6	8.4^			
98	5	K0								98	-21°	797	4	2.8	-21 5.5	8.5^			
99	5	G5								99	-20°	791	4	2.3	-20 27.1	8.2^			
100	6	K0								100	-20°	792	4	2.7	-20 39.5	8.4^			
101	3	G5								101	-20°	793	4	2.9	-20 48.3	8.8^			
102	2	ML								102	-20°	798	4	4.7	-20 25.7	8.7^			
103	10	A0								103	-20°	801	4	5.2	-20 44.2	6.1^	[[/crossed out]]	+20° 800	4 5.2 +20 42.8
103a	7	F2	The N.P.																
104	1	G5								104	-21°	805	4	5.1	-21 33.5	9.1^			
105	1	K5								105	-21°	809	4	5.5	-21 7.7	9.1^			
106	1	K5								106	-20°	802	4	5.7	-20 51.6	9.1^			
107	2	K2								107	-20°	804	4	6.2	-20 42.5	9.1^			
108	2	K5								108	-20°	805	4	6.4	-20 17.7	9.0^			
109	4	F5								109	-20°	807	4	6.6	-20 13.4	8.7^			
110	2	K5								110	-20°	812	4	8.8	-20 21.2	8.6^			

121|-25° 1679|3 55.8|-25 31.7 8.4^|
122|-26° 1510|3 54.3|-26 15.4 8.7^|
cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

194

Wednesday, January 1, 1913

B41089 short

[[4 columned table]]

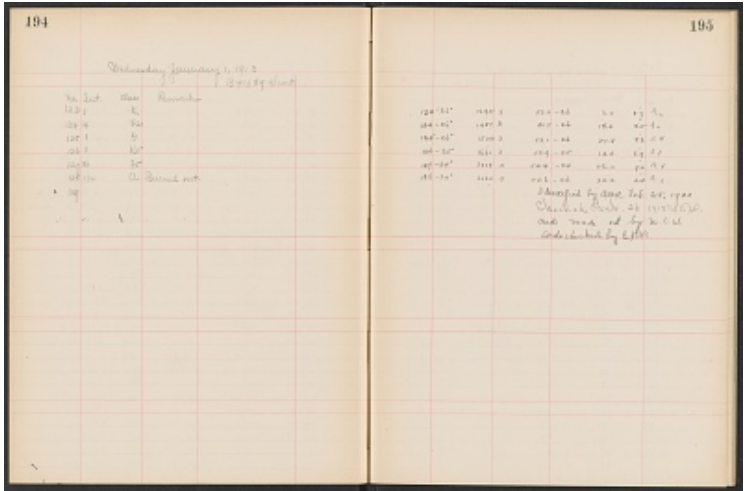
No.	Int.	Class	Remark
123	1	K	
124	4	F ₂	
125	1	G	
126	1	K ₅	
127	2	F ₅	
128	10+	A	Burned out.
129			

195

[[9 columned table]]

123	-26°	1495	3	52.3	-26	6.0	8.7	^
124	-26°	1480	3	50.5	-26	18.4	8.5	^
125	-26°	1502	3	53.1	-26	27.8	8.6	^
126	-25°	1661	3	52.9	-25	13.4	8.9	^
127	-24°	2018	3	54.4	-24	56.0	9.0	^
128	-24°	2022	3	54.6	-24	22.2	4.4	^

Identified by A.M.C. Feb. 25, 1913
Checked Feb. 26 1913 L.D.W.
cards made out by M.C.W.
Cards checked by G.R.B.



Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

196

Thursday, Jan. 2 1913.

Time: 11.51 B18522 short disp.

[4 columned table]

No. | Int. | Class | Remark |

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

14 K₀ |
 23 A₀ Nearly all superposed on 3. |
 34 A₀ Partly superposed on 2. |
 43 K₂ |
 56 A₃ |
 610+ F₂ |
 78 A₀ |
 82 A₀ |
 93 K₂ |
 102 A₀ |
 111 G₅ |
 123 F₂ |
 131 F₅ |
 146 F₀ |
 154 K₀ |
 167 G₀ |
 174 G₀ |
 181 A₅ |
 193 K₂ |
 201 F₅ |
 212 F₈ |
 223 K₀ |
 235 F₈ |
 242 G₀ |
 251 K₁ |
 264 K₂ |
 275 K₂ |

196				197			
Summary Jan. 2, 1913.							
No.	Int.	Class	Remark	No.	Int.	Class	Remark
1	10	A ₀		1	10	A ₀	
2	10	A ₀		2	10	A ₀	
3	10	A ₀		3	10	A ₀	
4	10	A ₀		4	10	A ₀	
5	10	A ₀		5	10	A ₀	
6	10	A ₀		6	10	A ₀	
7	10	A ₀		7	10	A ₀	
8	10	A ₀		8	10	A ₀	
9	10	A ₀		9	10	A ₀	
10	10	A ₀		10	10	A ₀	
11	10	A ₀		11	10	A ₀	
12	10	A ₀		12	10	A ₀	
13	10	A ₀		13	10	A ₀	
14	10	A ₀		14	10	A ₀	
15	10	A ₀		15	10	A ₀	
16	10	A ₀		16	10	A ₀	
17	10	A ₀		17	10	A ₀	
18	10	A ₀		18	10	A ₀	
19	10	A ₀		19	10	A ₀	
20	10	A ₀		20	10	A ₀	
21	10	A ₀		21	10	A ₀	
22	10	A ₀		22	10	A ₀	
23	10	A ₀		23	10	A ₀	
24	10	A ₀		24	10	A ₀	
25	10	A ₀		25	10	A ₀	
26	10	A ₀		26	10	A ₀	
27	10	A ₀		27	10	A ₀	

197

[9 columned table]

1-19° 1147 5 14.6 -19 50.3 8.0 |
 2-19° 1156 5 16.3 -19 59.4 8.8 |
 3-20° 1070 5 16.3 -20 0.9 7.6 |
 4-20° 1077 5 17.7 -20 51.9 7.8 |
 5-20° 1085 5 20.2 -20 50.6 7.5 |
 6-19° 117^[[2]] 3 5 19.7 -19 49.1^[[48.1]] 6.0^[[8.5]] |
 7-19° 1166 5 18.7 -19 30.1 7.5 |
 8-19° 1164 5 18.2 -19 21.2 8.9 |
 9-18° 1085 5 18.7 -18 51.5 8.3 |
 10-18° 1089 5 19.7 -18 47.0 9.1 |
 11-19° 1170 5 19.1 -19 25.0 8.9 |
 12-19° 1176 5 20.0 -19 38.3 8.8 |
 13-19° 1179 5 20.4 -19 31.7 9.4 |
 14-19° 1182 5 20.9 -19 13.8 8.1 |
 15-19° 1190 5 22.7 -19 15.8 8.2 |
 16-18° 1095 5 21.6 -18 7.7 7.5 |
 17-17° 1147 5 22.6 -17 33.0 8.0 |

18	-17°	1135	5	20.7	-17	45.4	9.1	
19	-17°	1148	5	22.7	-17	26.4	8.1	
20	-17°	1152	5	23.3	-17	22.7	8.8	
21	-16°	1154	5	23.4	-16	47.3	8.9	
22	-15°	1072	5	25.6	-15	40.5	8.2	
23	-17°	1162	5	25.6	-17	52.5	8.0	
24	-18°	1102	5	23.8	-18	40.3	8.5	
25	-18°	1103	5	24.0	-18	42.8	8.7	
26	-18°	1106	5	24.4	-18	43.2	8.5	
27	-18°	1112	5	25.4	-18	49.6	8.4	

Cards made out

Project PHaEDRA - Annie Jump Cannon 54
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:30:18

198

Thursday, Jan. 2, 1913.

B 18522 short disp.

No. | Int. | Class | Remark

28 | 4 | G2 |

29 | 2 | A5 |

30 | 3 | K2 |

31 | 1 | A3 |

32 | 4 | K0 |

33 | 6 | A2 |

34 | 6 | F0 |

35 | 3 | K0 |

36 | 5 | A3 |

37 | 3 | F5 |

38 | 3 | K2 |

39 | 2 | K5 |

40 | 1 | K5 |

41 | 3 | A? | From Hg to violet and [[?]] superposed on 42.

42 | 5 | A0 |

43 | 4 | G | E. [[Epsilon]]

44 | 5 | A0 | E. [[Epsilon]]

45 | 3 | K0 | E. [[Epsilon]]

46 | 4 | K5 | E. [[Epsilon]]

47 | 6 | G | E. [[Epsilon]]

48 | 2 | K0 |

49 | 5 | A |

Time: 12.04 | 50 | 10+ | [[strikethrough]] A | [[strikethrough]] B9 |

12.08 | 51 | 3 | F0 |

52 | 2 | A0 |

53 | 10+ | B9 |

54 | 4 | G0 |

199

28 | -19° | 1198 | 5 | 24.5-19 | 32.0 | 8.8 |

29 | -19° | 1199 | 5 | 2 | [[strikethrough]] 4.5 | [[strikethrough]] 5.2

19 | [[strikethrough]] 32.0 | [[strikethrough]] 24.2 | [[strikethrough]] 8.8 | [[strikethrough]] 9.0 |

30 | -19° | 1203 | 5 | 26.3-19 | 12.9 | 8.4 |

31 | -19° | 1208 | 5 | 26.9-19 | 27.2 | 9.2 |

32 | -19° | 1209 | 5 | 27.1-19 | 33.9 | 8.5 |

33 | -19° | 1210 | 5 | 27.5-19 | 32.4 | 8.7 |

34 | -18° | 1122 | 5 | 27.4-18 | 46.8 | 8.0 |

35 | -17° | 1170 | 5 | 27.3-17 | 53.2 | 8.2 |

36 | -17° | 1174 | 5 | 28.2-17 | 39.1 | 8.4 |

37 | -18° | 1134 | 5 | 29.8-18 | 47.3 | 8.5 |

38 | -19° | 1225 | 5 | 30.8-19 | 0.2 | 8.0 |

39 | -20° | 1126 | 5 | 29.5-20 | 2.4 | 8.2 |

40 | -19° | 1223 | 5 | 30.6-19 | 44.3 | 8.3 |

41 | -19° | 1224 | 5 | 30.7-19 | 56.7 | 8.5 |

42 | -20° | 1132 | 5 | 30.7-20 | 1.0 | 8.7 |

43 | -20° | 1139 | 5 | 32.1-20 | 15.5 | 8.5 |

44 | -20° | 1141 | 5 | 32.5-20 | 11.8 | 8.3 |

45 | -20° | 1138 | 5 | 32.0-20 | 42.8 | 8.2 |

46 | -21° | 1205 | 5 | 28.8-21 | 9.9 | 7.5 |

47 | -19° | 1234 | 5 | 34.0-19 | 18.2 | 8.0 |

48 | -18° | 1158 | 5 | 34.9-18 | 32.2 | 8.7 |

49 | -18° | 1166 | 5 | 36.5-18 | 25.8 | 8.3 | -17 ^ [[116 magn. 9.2 superposed]]

50 | -17° | 1199 | 5 | 32.9-17 | 56.0 | 6.7 |

51 | -17° | 1198 | 5 | 32.7-17 | 55.1 | 8.3 |

52 | -17° | 1200 | 5 | 32.9-17 | 54.8 | 8.3 |

53|-18°|1172|5|37.0-18|37.6|6.0|
54|-18°|1174|5|37.7-18|21.3|7.2|
cards made out

Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

200.

Thursday, Jan. 2, 1913
B18522 short disk.

No.	Int.	Class	Remark
55	6	B9	
56	3	G0	
57	5	F2	
58	2	K0	
59	4	F0	
60	1	F0	
61	1	G0	
62	3	F0	
63	1	A	
Time: 12.12			
64	4	A2	
65	2	A3	
66	5	A0	
67	3	A0	
68	5	K5	
69			

201.

55	-18°	1187	5	40.8	-18	13.7	8.2
56	-17°	1231	5	38.4	-17	19.1	9.0
57	-17°	1081	5	12.3	-17	43.3	8.0
58	-17°	1078	5	11.7	-17	31.8	8.3
59	-15°	1063	5	24.3	-15	55.2	8.5
60	-14°	1141	5	21.4	-14	53.8	9.0
61	-14°	1136	5	20.7	-14	49.1	8.8
62	-15°	986	5	8.6	-15	23.4	8.5
63	-15°	984	5	8.5	-15	15.8	9.0

Identified by A.M.C. Jan. 6, 1913

Checked by J.C.M. Jan. 7, 1913

cards made out by M.C.W.

Cards checked by G.R.B.

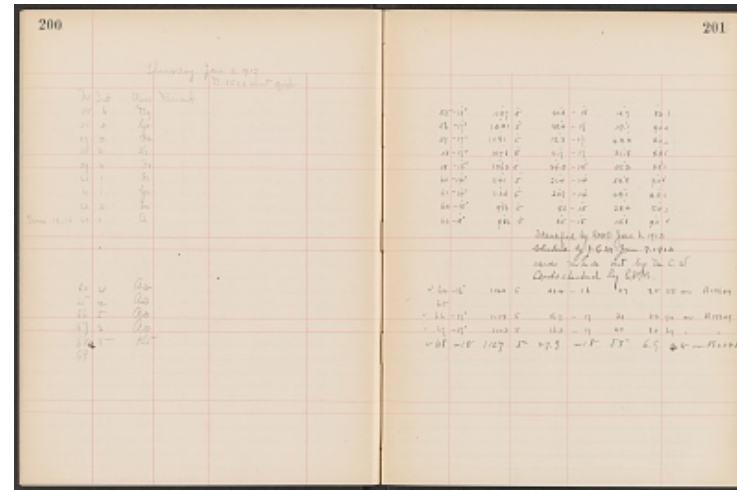
64 -16° 1145 5 20.4 -16 37 8.5 55 on B18649

65

66 -17° 1108 5 16.7 -17 21 8.3 70 on B18649

67 -17° 1103 5 16.2 -17 25 8.5 69 "

68 -18° 1127 5 27.9 -18 55 6.9 68 ON B20485



Project PHaEDRA - Annie Jump Cannon 54
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:30:18

202

Thursday, Jan. 2 1913

[[four column chart]]

Time: 12.25|---|B12391 start dist.|---

No.|Int. Class|Remarks|---|---

12 Y5|---|---|
 24 E2|---|---|
 31 K5|---|---|
 43 E0|---|---|
 52 A3|---|---|
 62 K0|---|---|
 73 A5|---|---|
 81 Y5|---|---|
 91 K0|---|---|
 103 A2|---|---|
 113 G0|---|---|
 123 A0|---|---|
 132 A0|---|---|
 141 K0|---|---|
 151 A|---|---|
 161 K5|---|---|
 174 E8|---|---|
 185 A0|---|---|
 193 A2|---|---|
 201 Y5|---|---|
 211 K0|---|---|
 221 A|---|---|
 231 K0|---|---|
 242 A0|---|---|
 252 K5|---|---|
 261 A|---|---|
 272 A3|---|---|

[[new page]]

203

[[four column chart]]

1|-0° 835|4 56.7|-0 51.5 8.3|^[check mark]
 2|-0° 846|4 59.7|-0 5.6 8.6|^[check mark]
 3|-0° 849|5 0.0|-0 59.3 8.7|^[check mark]
 4|-1° 810|5 0.7|-1 4.2 8.7|^[check mark]
 5|-0° 854|5 0.7|-0 47.9 9.0|^[check mark]
 6|-1° 799|4 58.6|-1 60.8 9.0|^[check mark]
 7|-2° 1142|5 0.9|-2 38.7 9.0|^[check mark]
 8|-2° 1143|5 1.0|-2 50.7 9.3|^[check mark]
 9|-2° 1149|5 1.7|-2 41.8 8.5|^[check mark]
 10|-2° 1154|5 2.2|-2 33.2 9.0|^[check mark]
 11|-2° 818|5 2.8|-2 2.4 8.5|^[check mark]
 12|-1° 817|5 2.1|-1 40.7 9.0|^[check mark]
 13|-1° 815|5 1.6|-1 53.3 9.4|^[check mark]
 14|-1° 811|5 1.2|-1 43.4 8.7|^[check mark]
 15|-2° 1151|5 1.7|-2 16.3 9.0|^[check mark]
 16|-1° 814|5 1.6|-1 26.2 8.5|^[check mark]
 17|+0° 971|5 3.2|+0 36.6 8.9|^[check mark]
 18|+0° 995|5 7.9|+0 51.5 9.1|^[check mark]
 19|-1° 839|5 8.5|+0 27.2 8.9|^[check mark]
 20|-0° 900|5 8.7|-0 56.1 9.0|^[check mark]
 21|-0° 905|5 9.1|-0 25.4 9.1|^[check mark]
 22|-0° 908|5 9.8|-0 27.3 9.5|^[check mark]
 23|-0° 909|5 10.0|-0 30.0 9.0|^[check mark]
 24|-1° 853|5 11.2|-1 17.4 9.2|^[check mark]
 25|-1° 822|5 3.2|-1 26.5 9.4|^[check mark]

202	203
<p>Time: 12.25</p> <p>Thursday, Jan. 2 1913</p> <p>No. Int. Class Remarks</p> <p>12 Y5</p> <p>24 E2</p> <p>31 K5</p> <p>43 E0</p> <p>52 A3</p> <p>62 K0</p> <p>73 A5</p> <p>81 Y5</p> <p>91 K0</p> <p>103 A2</p> <p>113 G0</p> <p>123 A0</p> <p>132 A0</p> <p>141 K0</p> <p>151 A</p> <p>161 K5</p> <p>174 E8</p> <p>185 A0</p> <p>193 A2</p> <p>201 Y5</p> <p>211 K0</p> <p>221 A</p> <p>231 K0</p> <p>242 A0</p> <p>252 K5</p> <p>261 A</p> <p>272 A3</p>	<p>1 -0° 835 4 56.7 -0 51.5 8.3 ^[check mark]</p> <p>2 -0° 846 4 59.7 -0 5.6 8.6 ^[check mark]</p> <p>3 -0° 849 5 0.0 -0 59.3 8.7 ^[check mark]</p> <p>4 -1° 810 5 0.7 -1 4.2 8.7 ^[check mark]</p> <p>5 -0° 854 5 0.7 -0 47.9 9.0 ^[check mark]</p> <p>6 -1° 799 4 58.6 -1 60.8 9.0 ^[check mark]</p> <p>7 -2° 1142 5 0.9 -2 38.7 9.0 ^[check mark]</p> <p>8 -2° 1143 5 1.0 -2 50.7 9.3 ^[check mark]</p> <p>9 -2° 1149 5 1.7 -2 41.8 8.5 ^[check mark]</p> <p>10 -2° 1154 5 2.2 -2 33.2 9.0 ^[check mark]</p> <p>11 -2° 818 5 2.8 -2 2.4 8.5 ^[check mark]</p> <p>12 -1° 817 5 2.1 -1 40.7 9.0 ^[check mark]</p> <p>13 -1° 815 5 1.6 -1 53.3 9.4 ^[check mark]</p> <p>14 -1° 811 5 1.2 -1 43.4 8.7 ^[check mark]</p> <p>15 -2° 1151 5 1.7 -2 16.3 9.0 ^[check mark]</p> <p>16 -1° 814 5 1.6 -1 26.2 8.5 ^[check mark]</p> <p>17 +0° 971 5 3.2 +0 36.6 8.9 ^[check mark]</p> <p>18 +0° 995 5 7.9 +0 51.5 9.1 ^[check mark]</p> <p>19 -1° 839 5 8.5 +0 27.2 8.9 ^[check mark]</p> <p>20 -0° 900 5 8.7 -0 56.1 9.0 ^[check mark]</p> <p>21 -0° 905 5 9.1 -0 25.4 9.1 ^[check mark]</p> <p>22 -0° 908 5 9.8 -0 27.3 9.5 ^[check mark]</p> <p>23 -0° 909 5 10.0 -0 30.0 9.0 ^[check mark]</p> <p>24 -1° 853 5 11.2 -1 17.4 9.2 ^[check mark]</p> <p>25 -1° 822 5 3.2 -1 26.5 9.4 ^[check mark]</p>

26|-1° 824|5 4.2|-1 21.2 9.4|^ [check mark]
27|-1° 827|5 5.0|-1 58.6 9.1|^ [check mark]
|---|---|cards made out|---

Project PHaEDRA - Annie Jump Cannon 54
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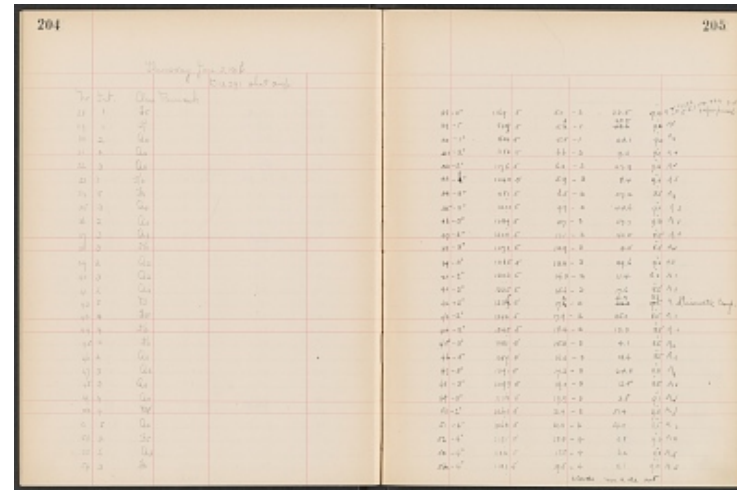
204.

Thursday, Jan. 2, 1913
B12391 short disk.

No.	Int.	Class	Remark
28	1	F5	
29	1	K	
30	2	A0	
31	2	A0	
32	3	A0	
33	1	K0	
34	5	F0	
35	3	A0	
36	2	A0	
37	3	A0	
38	3	K0	
39	2	A2	
40	3	A2	
41	2	A0	
42	5	B	
43	4	F5	
44	4	K0	
45	2	K0	
46	2	A0	
47	3	A2	
48	3	A0	
49	2	A0	
50	2	B8	
51	5	A0	
52	2	F5	
53	2	A3	
54	3	F0	

205.

28	-2	1169	5	5.0	-2	22.5	9.2	^0110 -2 0 -5.1 -2 23.4 9.5 superposed
								[?]
29	-1	829	5	5.3	-1	44.5	9.2	^
30	-1	830	5	5.5	-1	44.1	9.2	^
31	-2	1182	5	6.6	-2	9.4	9.0	^
32	-2	1176	5	6.2	-2	47.9	9.2	^
33	-3	1040	5	5.9	-3	8.4	9.0	^
34	-2	1181	5	6.5	-2	57.2	8.5	^
35	-2	1200	5	9.9	-2	44.6	9.0	^
36	-3	1039	5	5.7	-3	57.7	9.2	^
37	-2	1208	5	11.1	-2	41.5	8.5	^
38	-3	1070	5	13.9	-3	0.5	8.5	^
39	-3	1065	5	13.2	-3	39.6	9.0	^
40	-2	1222	5	14.3	-2	11.4	8.0	^
41	-2	1225	5	15.6	-2	17.6	8.5	^
42	-2	1235	5	17.2	-2	31.9	3.7	^Prismatic comp.
43	-2	1242	5	17.9	-2	35.0	8.5	^
44	-2	1245	5	18.4	-2	10.0	8.5	^
45	-3	1081	5	15.8	-3	4.1	8.5	^
46	-3	1087	5	16.6	-3	13.4	8.5	^
47	-3	1091	5	17.2	-3	24.8	8.8	^
48	-3	1097	5	19.0	-3	12.5	8.5	^
49	-3	1103	5	19.9	-3	3.5	9.1	^



50 |-2 |1260|5 |21.4|-2|51.4|9.0|^
51 |-2 |1263|5 |21.8|-2|54.0|8.5|^
52 |-4 |1121|5 |18.3|-4|0.8 |9.0|^
53 |-4 |1122|5 |18.5|-4|6.2 |9.0|^
54 |-4 |1131|5 |19.5|-4|11.1|9.0|^
cards made out

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206

Thursday Jan. 2, 191 ~~2~~~~3~~.
B12 391 short disp.

[[4 column table]]

No. | Int. | Class | Remark |

55 | 3 | A0 |

56 | 2 | K5 |

57 | 3 | A0 |

58 | 2 | F2 |

59 | 4 | B9 |

60 | 3 | A0 |

61 | 3 | A0 |

62 | 2 | Y0 |

63 | 6 | B9 |

64 | 3 | B9 |

65 | 5 | B8 |

66 | 6 | A0 |

67 | 2 | K0 |

68 | 3 | B9 |

69 | 5 | B9 |

70 | 3 | B9 |

71 | 5 | B8 |

72 | 2 | B9 |

73 | 3 | B9 |

74 | 4 | A0 |

75 | 6 | B8 |

76 | 3 | B9 |

77 | 4 | B9 |

78 | 4 | A0 |

79 | 3 | A0 |

80 | 5 | F0 |

81 | 4 | B9 |

[[4 column table]]

207

[[9 column table]]

55 | -4° | 1130 | 5 | 19.5 | -4 | 19.5 | 9.3 | ^° -W1129 5 19.5 -4182 magu. 9.3
superposed |

56 | -4° | 1132 | 5 | 19.8 | -4 | 25.8 | 8.6 | ^ |

57 | -4° | 1142 | 5 | 21.4 | -4 | 19.5 | 9.2 | ^ |

58 | -3° | 1112 | 5 | 21.5 | -3 | 59.8 | 8.9 | ^ |

59 | -2° | 1262 | 5 | 21.7 | -2 | 17.4 | 8.9 | ^ |

60 | -2° | 1266 | 5 | 22.0 | -2 | 7.0 | 8.5 | ^ |

61 | -2° | 1268 | 5 | 22.6 | -2 | 21.8 | 9.0 | ^ |

62 | -2° | 1271 | 5 | 23.0 | -2 | 25.0 | 9.0 | ^ |

63 | -2° | 1274 | 5 | 23.6 | -2 | 28.1 | 8.8 | ^ |

64 | -2° | 1275 | 5 | 23.7 | -2 | 48.6 | 9.0 | ^ |

65 | -2° | 1278 | 5 | 24.0 | -2 | 5.3 | 8.5 | ^ |

66 | -2° | 1279 | 5 | 24.0 | -2 | 12.4 | 8.5 | ^ |

67 | -1° | 929 | 5 | 24.4 | -1 | 58.9 | 8.8 | ^ |

68 | -2° | 1285 | 5 | 25.4 | -2 | 8.4 | 9.0 | ^ |

69 | -2° | 1286 | 5 | 25.6 | -2 | 17.7 | 9.0 | ^ |

70 | -1° | 931 | 5 | 24.7 | -1 | 34.2 | 9.3 | ^ |

71 | -1° | 933 | 5 | 24.9 | -1 | 42.4 | 8.8 | ^ |

72 | -1° | 928 | 5 | 24.3 | -1 | 14.0 | 9.0 | ^ |

73 | -1° | 936 | 5 | 25.4 | -1 | 8.0 | 9.2 | ^ |

74 | -0° | 989 | 5 | 26.0 | -0 | 53.2 | 8.9 | ^ |

75 | -1° | 938 | 5 | 25.7 | -1 | 21.0 | 8.6 | ^ |

76 | -1° | 942 | 5 | 26.1 | -1 | 10.0 | 9.1 | ^ |

77 | -1° | 948 | 5 | 26.7 | -1 | 50.5 | 8.8 | ^ |

78 | -1° | 952 | 5 | 27.3 | -1 | 50.7 | 9.1 | ^ |

206		207	
Thursday, Jan. 2, 1912			
B12 391 short disp.			
No.	Int.	Class	Remark
55	3	A0	
56	2	K5	
57	3	A0	
58	2	F2	
59	4	B9	
60	3	A0	
61	3	A0	
62	2	Y0	
63	6	B9	
64	3	B9	
65	5	B8	
66	6	A0	
67	2	K0	
68	3	B9	
69	5	B9	
70	3	B9	
71	5	B8	
72	2	B9	
73	3	B9	
74	4	A0	
75	6	B8	
76	3	B9	
77	4	B9	
78	4	A0	
79	3	A0	
80	5	F0	
81	4	B9	

	-1°	956	5	27.9	-1	59.9	9.3	^	same star
79	-2°	1303	5	27.9	-2	0.7	9.0	^	same star
80	-1°	961	5	28.2	-1	56.5	8.9	^	
81	-1°	968	5	28.7	-1	51.1	8.8	^	

[[/9 column table]]
Cards made out

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208
Thursday Jan 2, 1913
B12 391 short disp.

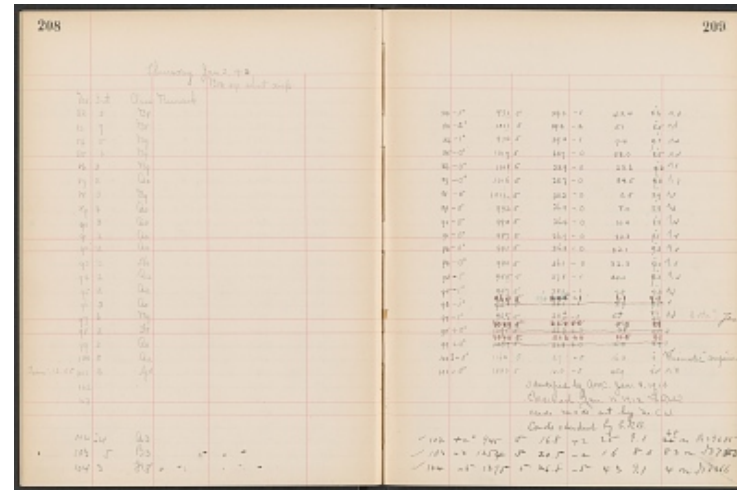
[[four column chart]]
No. | Int. Class | Remark |---|---|

82|5 B8|---|---|
83|7 B8|---|---|
84|5 B9|---|---|
85|6 B9|---|---|
86|3 B9|---|---|
87|2 A0|---|---|
88|3 B9|---|---|
89|4 A0|---|---|
90|3 A0|---|---|
91|2 A0|---|---|
92|2 A0|---|---|
93|2 A0|---|---|
94|2 A2|---|---|
95|2 A2|---|---|
96|3 A0|---|---|
97|6 B9|---|---|
98|2 F8|---|---|
99|3 A0|---|---|
100|5 A2|---|---|
time: 12.55 101|2 G5|---|---|
102|---|---|---|
103|---|---|---|

102|4 A3|---|---|
103|5 B3|---|---|
104|3 F5|---|---|

[[new page]]
209

82|-1° 971|5 29.0|-1 43.4 8.6|^[check mark]
83|-2° 1311|5 29.2|-2 5.1 8.5|^[check mark]
84|-1° 974|5 29.3|-1 7.4 9.0|^[check mark]
85|-0° 1017|5 28.7|-0 53.0 8.5|^[check mark]
86|-0° 1018|5 28.9|-0 23.6 9.2|^[check mark]
87|-0° 1016|5 28.7|-0 24.5 9.3|^[check mark]
88|-0° 1011|5 28.2|-0 0.5 8.9|^[check mark]
89|-0° 992|5 26.3|-0 8.0 8.8|^[check mark]
90|-0° 993|5 26.4|-0 10.4 8.8|^[check mark]
91|-0° 997|5 26.7|-0 22.3 9.1|^[check mark]
92|-0° 991|5 26.2|-0 22.1 9.3|^[check mark]
93|-0° 990|5 26.1|-0 32.3 9.0|^[check mark]
94|-1° 955|5 27.8|-1 30.0 9.3|^[check mark]
95|-1° 957|5 28.0|-1 7.9 9.3|^[check mark]
96|-1° 964|5 28.5|-1 1.1 9.3|^[check mark]
97|-1° 96.56|5 28.45|-1 5.12 8.7 9.0|^[check mark] Both° Jes.
98|+0° 1089|5 21.8|+0 5.3 8.9|^[check mark]
99|+0° 1088|5 21.6|+0 11.5 9.1|^[check mark]
100|-5° 1162|5 0.7|-5 16.3 3|^[check mark] Prematic Companion
101|-5° 1220|5 12.3|-5 35.9 8.5|^[check mark]
Identified by A.M.C. gaw 8, 1913
Checked Jan. 11 1913. J.W.W.
cards made out by M.C.W.



Cards checked by S.R.B.

[check mark] 102|+2° 945|5 16.8|+2 25 9.1|68M B39685|
[check mark] 103|-2 1254|5 20.5|-2 16 8.0|68M J37550|
[check mark] 104|-5 1295|5 26.8|-5 43 9.1|4M J20366|

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April 28, 1916
B12391

[[5 column table]]

102	3	A0	.or
103	3	A2	
104	3	A5	
105	4	A0	
106	4	A	Star sup. at south; prob. same class. Lines able.
107	2	G5	
108	1	K5	
109	4	A0	
110	1	K0	
111	1	G0	
112	4	B9	
113	4	A0	
114	4	F5	
115	4	A0	
116	1	K0	
117	2	F8	
118	2	K5	

211

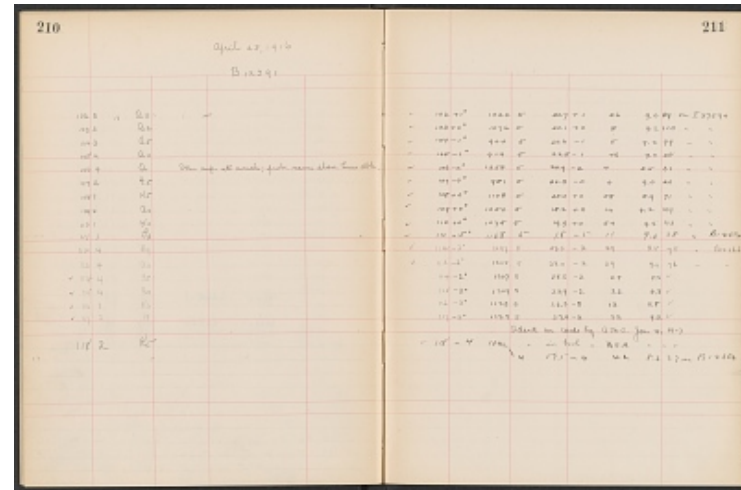
[[10 column table]]

102	+1°	1022	5	20.7	+1	26	9.0	89 on I37594
103	+0°	1076	5	20.1	+0	8	9.2	110 on I37594
104	-1°	904	5	20.6	-1	5	9.2	99 on I37594
105	-1°	914	5	22.5	-1	46	9.0	28 on I37594
106	-2°	1258	5	20.9	-2	4	8.5	31 on I37594
107	-0°	981	5	24.3	-0	0	9.0	20 on I37594
108	+0°	1108	5	25.0	+0	58	8.9	71 on I37594
109	+0°	1054	5	18.2	+0	14	9.2	109 on I37594
110	+0°	1075	5	19.9	+0	54	9.4	103 on I37594
111	-5°	1168	5	1.8	-5	11	9.0	38 on B14614
112	-2°	1297	5	27.0	-2	29	8.5	75 on B10366
113	-2°	1305	5	28.0	-2	29	9.0	76 on B10366
114	-2°	1307	5	28.5	-2	28	8.5	
115	-2°	1309	5	28.9	-2	22	8.8	
116	-3°	1135	5	26.3	-3	13	8.8	
117	-3°	1139	5	27.0	-3	33	9.2	

Ident. on cards by A.M.C. Jan. 4, 1907

Ident. in book by N.A.H. Jan. 4, 1907

| 118 | -4 | 1042 | 4 | 59.5 | -4 | 42 | 8.3 | 37 on B14664 |



212

Wednesday May 3, 1916
Cont from page 54 | B12259

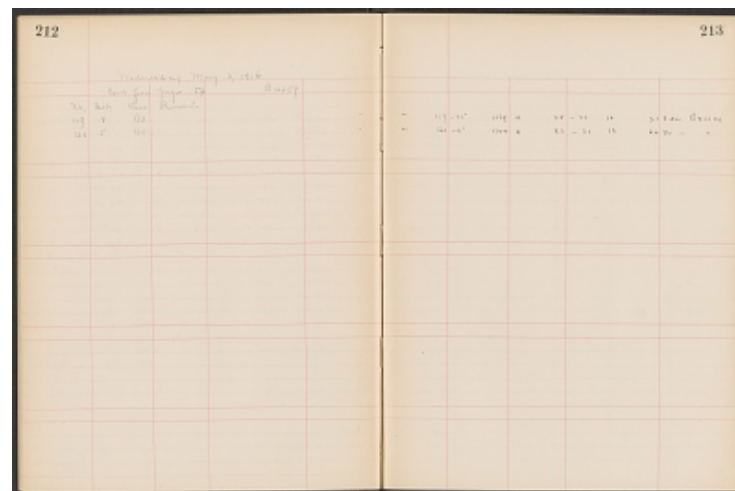
No. | Int. | Class | Remark

119 | 8 | A3 |

120 | 5 | A5 |

213

| | 119 | -33° 1569 | 4 3.5 | -33 12 7.1 | 1 on B41080 |
| | 120 | -31° 1744 | 4 8.3 | -31 36 8.0 | 90 on B41080 |



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Harvard-Smithsonian Center for Astrophysics

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