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## **Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62**

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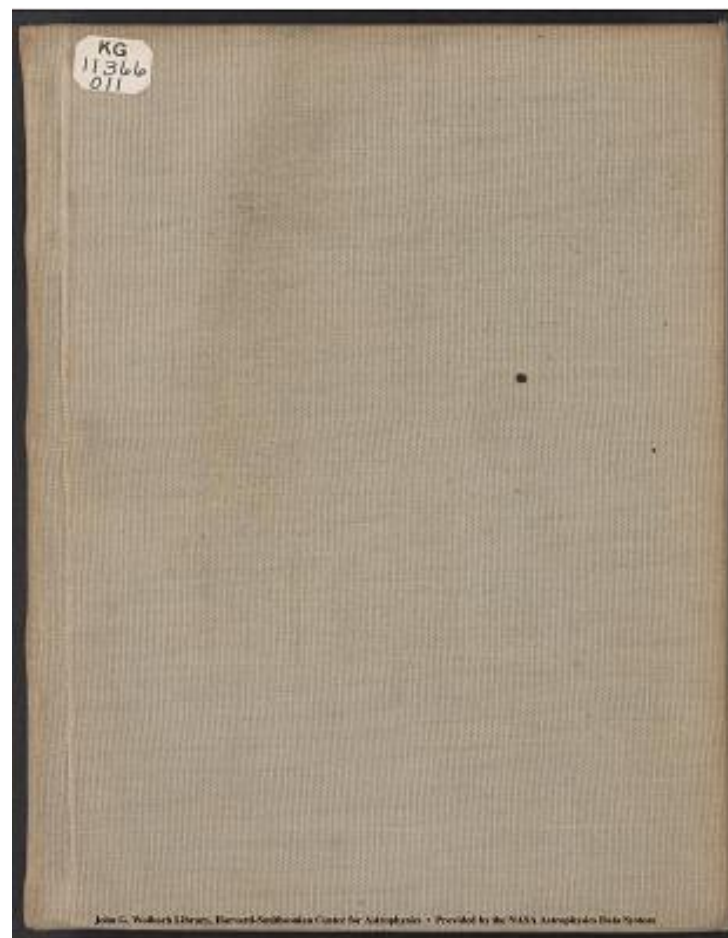
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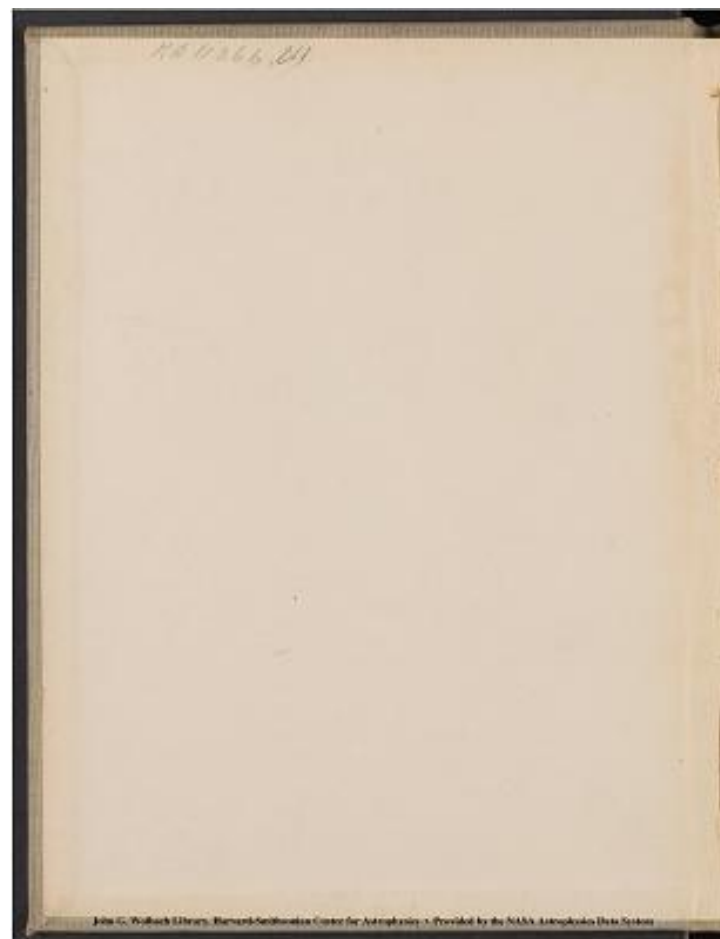
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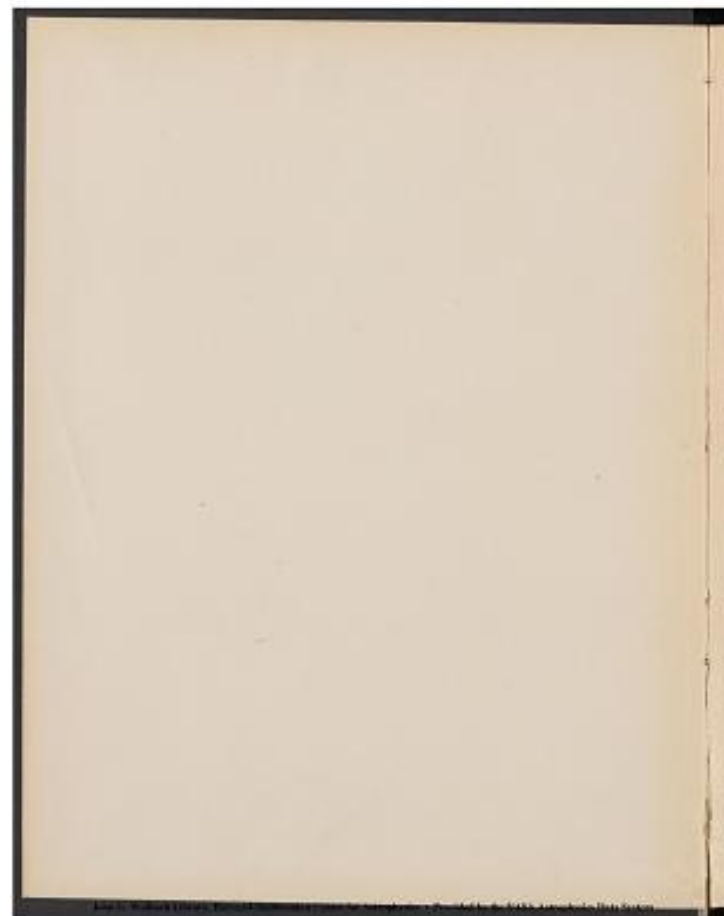
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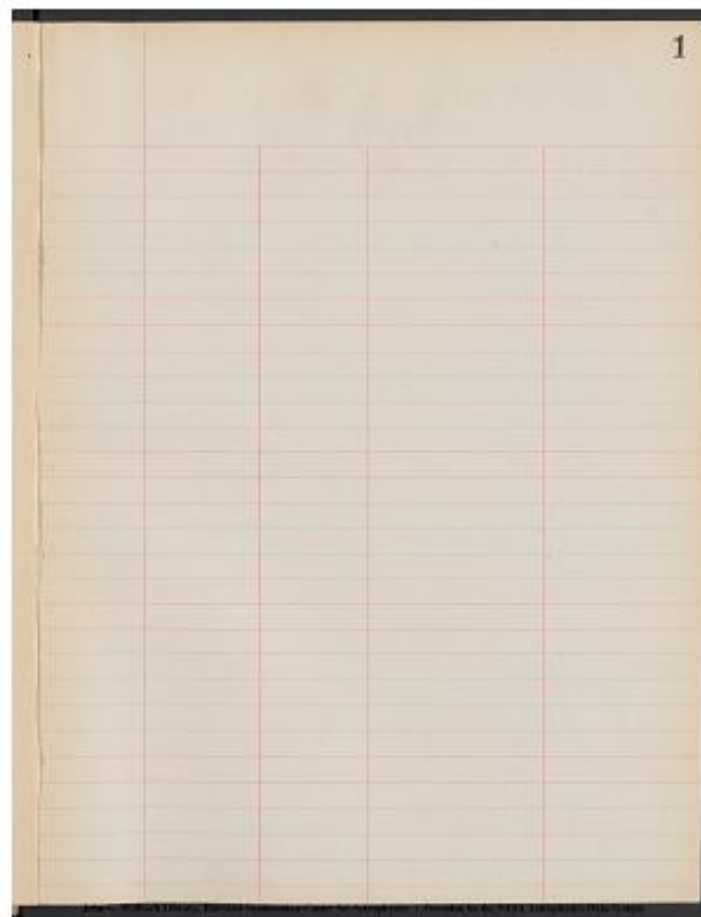
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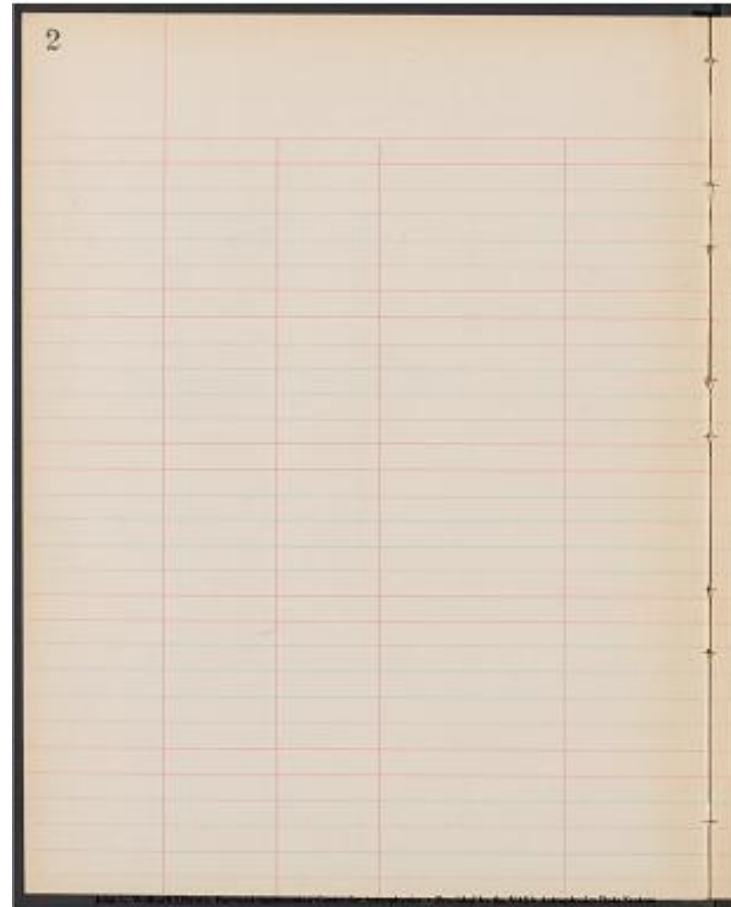


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6

Polar Sequence.

AA

Sc V Blue Aug 30, 1919

1:05 MC 15982 Ex 30s? PC

[[10 Columned Table]]

| Sc1 | Sc2 | Diff. Ptg ~~[[?]]~~ Ptv ~~[[?]]~~ | Cu. |  
Magn<sup>4</sup> ~~[[1]]~~ | Sc2 | Diff | Cu | Magn |

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

1 | Off pe | | | | Off pe | | | |

3 | 3.0 | 3.1 | 2. ~~[[52]]~~ ~~[[52]]~~ 71~~[[Phe]]~~ ~~[[Phe]]~~ 2.85 | 5.95 | 8.1 | -2.29 | -2.32 |  
5.78 |4 | Off pe. | | . | . | . | off | ~~[[2]]~~ ~~[[2]]~~ | . | . |5 | 3.5 | 3.6 | 2.83 ~~[[3]]~~ ~~[[3]]~~ 9 | 2.79 | 6.39 | 9.0 |  
-2.51 | -2.51 | 6.49 |6 | 4.5<sup>4</sup> ~~[[Sc2]]~~ | 2. ~~[[48]]~~ ~~[[48]]~~ 61 | 2.60 | 7.10 |  
9.7 | -2.59 | -2.60 | 7.10 |7 | 4.7 | 2. ~~[[76]]~~ ~~[[76]]~~ 61 | 2.53 | 7.23 | | |w.u 8 | ~~[[7]]~~ ~~[[7]]~~ 6.5 | |1. ~~[[53]]~~ ~~[[53]]~~ 73 | 1.84 | 8.34 | | | |w.u 9 | ~~[[8]]~~ ~~[[8]]~~ 7.0 | |1. ~~[[74]]~~ ~~[[74]]~~ 83 | 1.78 | 8.78 | | | |10 | 7.3 | 1. ~~[[58]]~~ ~~[[58]]~~ 72 | 1.74 | 9.04 | | |11 | 7.7 | 1. ~~[[66]]~~ ~~[[66]]~~ 88 | 1.70 | 9.40 | | |12 | 8.3 | 1. ~~[[28]]~~ ~~[[28]]~~ 56 | 1.62 | 9.92 | | |13 | 8.7 | 1. ~~[[38]]~~ ~~[[38]]~~ 60 | 1.57 | 10.27 | | |14 | 9.0 | 1. ~~[[24]]~~ ~~[[24]]~~ 65 | 1.52 | 10.52 | | |15 | 9.8? | | ~~[[0.84?]]~~ ~~[[0.84?]]~~ 1.28 | 1.40 | 11.20? |

16 | n.s | . | . | . | . | | |

17 | n.s ~~[[symbol - arrow]]~~ | . | . | . | . | | |

2r | 5.3 | 2.57 | 2.28 | 7.58 | | | |

3r | 6.5 | 2.25 | 1.84 | 8.34 | | | |

4r | 7.1 | 2.00 | 1.76 | 8.86 | | | |

5r | 8.1 | 1.81 | 1.65 | 9.75 | | | |

6r | 8.5 | 1.80 | 1.60 | 10.10 | | | |

7r | 8.9 | 1.80 | 1.54 | 10.44 | | | |

8r | 9.3 | 1.90 | 1.47 | 10.77 | | | |

9r | 9.7 | 2.00 | 1.42 | 11.12 | | | |

4s | 8.5 | 1. ~~[[7]]~~ ~~[[7]]~~ 62 | 1.60 | 10.10 | | |

5s | 9.5? | 1.31 | 1.45 | 10.95 | | | |

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6

Polar Sequence

Blue Aug 30, 1919

	Sc1	Sc2	Diff. Ptg	Ptv	Cu.	Magn
1	Off pe				Off pe	
3	3.0	3.1	2.52	71		
4	Off pe.					
5	3.5	3.6	2.83	9	2.79	6.39   9.0
6	4.5 <sup>4</sup>					
7	4.7					
w.u 8						
1.						
w.u 9						
1.						
10	7.3					
11	7.7					
12	8.3					
13	8.7					
14	9.0					
15	9.8?					
16	n.s					
17	n.s					
2r	5.3	2.57	2.28	7.58		
3r	6.5	2.25	1.84	8.34		
4r	7.1	2.00	1.76	8.86		
5r	8.1	1.81	1.65	9.75		
6r	8.5	1.80	1.60	10.10		
7r	8.9	1.80	1.54	10.44		
8r	9.3	1.90	1.47	10.77		
9r	9.7	2.00	1.42	11.12		
4s	8.5	1.				
5s	9.5?	1.31	1.45	10.95		

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Polar Seq

ScV Aug 30, 1919

MC15892(cont) Diff

[[14 Columned Table]]

	sc1	Sc2	Curve	Magn	g	h									Cu <sup>^</sup> [[gr. fr Prism]]
Magn															

87°	12	7.2	1.76	8.96	1	Off									
15		6.3	1.90	8.20	3	+p	+p								
88°	2	7.1	1.77	8.87	5	8.1 <sup>^</sup> [[R 8.20]]	8.3 <sup>^</sup> [[R]]	<del>[[strikethrough]]</del>							
1.71	<del>[[strikethrough]]</del>					<sup>^</sup> [[[-2.00 R]]	-1.72	6.48	<sup>^</sup> [[[(2) R]]	1.64					
9.84 <sup>^</sup> [[R]]															
80		7.3	1.74	9.04	6	9.5 <sup>^</sup> [[R 9.60]]	9.7 <sup>^</sup> [[R]]	-							
2.1 <del>[[strikethrough]]</del>	49	<del>[[strikethrough]]</del>				19 epsilon	-2.48	7.12 <sup>^</sup> [[R]]	1.53						
11.13 <sup>^</sup> [[R]]															
86		6.7	1.80	8.50	7	n.s	n.s								
90		7.7	1.70	9.40											
105		7.1	1.77	8.87											
115		7.5	1.73	9.23											

[[/Columned Table]]

[[underlined]] Remark. [[/underlined]] Stars +88° 2 and +88° 80 are too faint for diffraction images and prism. Comp. to be seen on this plate.  
Reject measures

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Handwritten astronomical data table on a piece of paper with a grid. The table has 14 columns and several rows of data. The data includes angles, magnitudes, and other numerical values. There are some handwritten notes and corrections in the table.

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8

Polar Sequence

Sc V Sept 3, 1919

1:20 MC 15983 Ex 1^m PC

[[8 column table]]

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

| | Sc 1 | Sc 2 | | Cu. | Magn. | Cu. | (5) Magn.

1	Off						
3	2.1	2.0	2.1	3.71	3.75	5.85	7.2 -1.39 1.29 5.91
4	off			7 +			
5	27	2.6	2.7	3.79	3.75	6.45	7.7 -1.21 -1.40 6.30
6	3.4	3.3	3.4	3.71	3.72	7.12	8.9 -1.79 -1.71 7.19
7	3.6	3.5	3.6	3.71	3.70	7.30	9.0 -1.69 -1.75 7.25
8	4.6	4.5	4.6	4.7	3.58	3.53	8.23 9.9 -107? . .
9	5.5	3.33	3.32	8.82			
10	5.8	3.22	3.22	9.02			Prises to gr. <del>4</del>
3	Cu magn	0.03	5.83				
11	6.5	3.05	3.08	9.58			-0.10 6.40
12	6.9	2.96	3.00	9.90			-0.21 6.69
13	7.3	3.00	2.92	10.22			-0.31 6.99
14	7.7	2.95	2.83	10.53			-0.44 7.26
15	8.3	2.78	2.72	11.02			-0.63 7.67
16	8.7	2.70	2.63	11.33			-0.78 7.92
17	9.0	2.36	2.56	11.56			-0.90 8.80
18	9.7	2.36	2.44	12.14			" "
2r	3.7	3.97	3.66	7.56			" "
3r	5.3	3.45	<del>3.45</del>	<del>2.57</del>	<del>3.38</del>	<del>8.68</del>	" "
4r	5.7	3.40	3.27	8.97			" "
5r	6.7	3.21	3.03	9.73			-0.16 6.54
6r	7.1	3.20	2.96	10.06			-0.26 6.84
7r	7.7	3.00	2.73	10.53			-0.44 7.26
8r	8.2	3.00	2.73	10.93			-0.60 7.60
9r	9.0	2.70	2.73	11.56			-0.90 8.10
10r	7						

12

8

Polar Sequence

Sc V Sept 3, 1919

1:20 MC 15983 Ex 1^m PC

[[8 column table]]

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

| | Sc 1 | Sc 2 | | Cu. | Magn. | Cu. | (5) Magn.

1 Off

3 2.1 2.0 2.1 3.71 3.75 5.85 7.2 -1.39 1.29 5.91

4 off

5 27 2.6 2.7 3.79 3.75 6.45 7.7 -1.21 -1.40 6.30

6 3.4 3.3 3.4 3.71 3.72 7.12 8.9 -1.79 -1.71 7.19

7 3.6 3.5 3.6 3.71 3.70 7.30 9.0 -1.69 -1.75 7.25

8 4.6 4.5 4.6 4.7 3.58 3.53 8.23 9.9 -107? . .

9 5.5 3.33 3.32 8.82

10 5.8 3.22 3.22 9.02 Prises to gr. ~~4~~

3 Cu magn 0.03 5.83

11 6.5 3.05 3.08 9.58 -0.10 6.40

12 6.9 2.96 3.00 9.90 -0.21 6.69

13 7.3 3.00 2.92 10.22 -0.31 6.99

14 7.7 2.95 2.83 10.53 -0.44 7.26

15 8.3 2.78 2.72 11.02 -0.63 7.67

16 8.7 2.70 2.63 11.33 -0.78 7.92

17 9.0 2.36 2.56 11.56 -0.90 8.80

18 9.7 2.36 2.44 12.14 " "

2r 3.7 3.97 3.66 7.56 " "

3r 5.3 3.45 ~~3.45~~ ~~2.57~~ ~~3.38~~ ~~8.68~~ " "

4r 5.7 3.40 3.27 8.97 " "

5r 6.7 3.21 3.03 9.73 -0.16 6.54

6r 7.1 3.20 2.96 10.06 -0.26 6.84

7r 7.7 3.00 2.73 10.53 -0.44 7.26

8r 8.2 3.00 2.73 10.93 -0.60 7.60

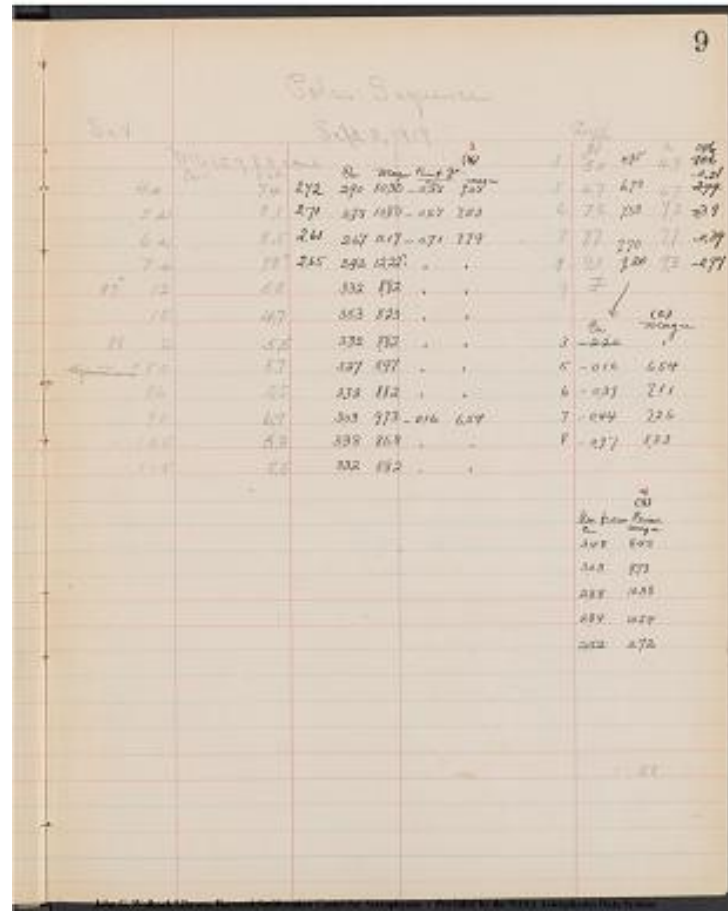
9r 9.0 2.70 2.73 11.56 -0.90 8.10

10r 7

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|1:55



10  
Polar Sequence  
ScV Sept 3, 1919 Diff

3:00 MC 15984 Ex 3<sup>m</sup> PC

[[13 column table]]  
+ | Sc1 | Sc2 | Diff. | Cu. | Magn.<sup>^</sup>[[1]] | | Diff. | Cu | Magn.<sup>^</sup>[[5]] | g |  
h | Diff. |  
|---|---|---|---|---|---|---|---|---|---|---|---|---|  
3 | 1.2<sup>^</sup>[[~~1.25~~01]] 1.3 | |  
4. [[~~6~~]]6<sup>^</sup>[[51]] |  
[[~~Co2~~]]Co2 |  
[[~~8.9~~]]8.9 | 6.3 | -0.49 | -0.34 | 5.96 | tp | tp | . |  
| 4 | Off pl. | . | . | . | . | . | . | . | . | . | . | . |  
| 5 | 1.5<sup>^</sup>[[~~1.55~~]]1.55 |  
[[~~1~~]]1 | [[~~0~~]]0 | 1.6 | |  
4. [[~~994~~]]994 | [[~~8~~]]8 | 4.89 | 4.92 | 6.49 | 6.8 | -0.31 | -0.38 | 6.42 | 5.5<sup>^</sup>[[5.60]]  
[[~~1~~]]1 | 5.7 | 0.89 |  
| 6 | 2.1<sup>^</sup>[[~~2.15~~]]2.15 |  
[[~~1~~]]1 | [[~~0~~]]0 | 2.2 | |  
[[~~5.01~~]]5.01 | [[~~4.9~~]]4.9 | 6 | 1 | 4.84 | [[~~6.99~~]]6.99 | 7.04 | 7.7 | -0.59 | -0.62 |  
7.08 | 6.5<sup>^</sup>[[6.5000]] | 6.5 | 0.61 |  
| 7 | 2.3<sup>^</sup>[[~~2.35~~]]2.35 |  
[[~~1~~]]1 | [[~~0~~]]0 | 2.4 | |  
[[~~5.06~~]]5.06 | [[~~4.91~~]]4.91 | 4.82 | 7.7 | -0.39 | -0.62 | 7.08 |  
6.5<sup>^</sup>[[6.60]] | [[~~1~~]]1 | 6.7 | 0.71 |  
| 8 | 3.5<sup>^</sup>[[~~3.55~~]]3.55 |  
[[~~1~~]]1 | [[~~0~~]]0 | 3.6 | |  
4. [[~~78~~]]78 | 4.63 |  
8. [[~~18~~]]18 | 23 | 9.3? | -1.07? | -1.08 |  
[[~~6~~]]6 | 7.7<sup>^</sup>[[7.75]]  
[[~~1~~]]1 | 7.8 | 0.48 |  
| 9 | 4.1 4.2 4.25 01 | 4.3 | 4.58 | 4.50 | 8.75 | n.s | . | . | 8.7 8.80 |  
[[~~1~~]]1 | 8.9 | 0.03 |  
| 10 | 4.5 | 4.52 | 4.43 | 8.93 | | | 9.0 9.00 00 | 9.0 | 0.02 |  
[[/Columned Table]]

[[15 Columned Table]]  
| Cu<sup>^</sup>[[~~Prism for Gr.~~]] |  
[[~~4~~]]4 | Magn | + | Sc1 | Sc2 | Diff. | Cu. |  
Magn.<sup>^</sup>[[1]] | | Diff. | Cu | Magn.<sup>^</sup>[[5]] | g | h | Diff. |  
|---|---|---|---|---|---|---|---|---|---|---|---|---|  
| +0.8[[~~3~~]]3 | 7 |  
[[~~4~~]]4 | 6.17 | 11 | 5.3 | 4.25 | 4.24 | 9.54 | |  
| | F | |  
[[/Columned Table]]

[[15 Columned Table]]  
| Cu<sup>^</sup>[[~~Prism for Gr.~~]] |  
[[~~4~~]]4 | Magn | + | Sc1 | Sc2 | Diff. | Cu. |  
Magn.<sup>^</sup>[[1]] | | Diff. | Cu | Magn.<sup>^</sup>[[5]] | Cu. | Magn.<sup>^</sup>[[2]] | Diff. |  
|---|---|---|---|---|---|---|---|---|---|---|---|---|  
| +0. [[~~2~~]]2 | 60 |  
[[~~4~~]]4 | 6.60 | 12 | 5.8 | 4.06 | 4.12 | 9.92 | |  
| | +0.8[[~~8~~]]8 | 3 | 6.43 | |





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[illegible]

8.99 | 7.3<sup>[[7.3000]]</sup> | 7.3 | 1.80 |  
| 4.94 | 13.44 | 5r | 3.9<sup>[[4.0]]</sup> | 4.0000 | 4.0 | 5.91 | 5.80 | 9.80 | 7 | . | . | . |  
8.5<sup>[[8.5000]]</sup> | 8.5 | 1.41 |  
| 4.88 | 13.83 | 6r | | 4.5 | 5.80 | 5.79 | 10.29 | | | | 9.0<sup>[[8.9501]]</sup> |  
8.9 | 1.35 |  
| | | 7r | | 4.9 | 5.80 | 5.74 | 10.64 | | | | 9.7? | ~~7~~  
~~[[/strikethrough]]~~ | 1.00? |

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## Polar Sequences

ScV Sept 5, 191911:00 MC 15986 ~~D~~ PC Diff  
[Note] Exp. 30<sup>superscript</sup> mm<sup>superscript</sup> [Note]

[[11 Columned Table]]

| Sc1 | Sc2 | Diff. | Sc2 | Diff. | Cu | Magn<sup>^</sup>[(5)] | g | h | Diff. |

3	B	.	4.1	1.71	.	B	B	.
5	B	.	4.3	2.19	.	B	B	.
6	B	.	4.9	2.21	2.18	7.08	B	B
7	B	.	5.1	2.21	2.15	7.25	B	B

[/Columned Table]

[[13 Columned Table]]

| Sc1 | Sc2 | Diff. | Cu | Magn<sup>^</sup>[(1)] | Sc2 | Diff. | Cu | Magn<sup>^</sup>[(5)] | g | h | Diff. |

8	1.2	1.3	[[ <del>7.03</del> ]]	6.93	6.84	8.14			
6.2	2.03	1.92	8.12	5.1 <sup>^</sup> [[5.10 0 0]]	5.1	3.13			
9	2.1	2.2	6. [[ <del>7.03</del> ]]	7 [[ <del>7.03</del> ]]	6.92	9.12	7.2		
1.63	1.68	8.88	6.1 <sup>^</sup> [[6.05 1 0]]	6.0	2.78				
10	2.1	2.2	6. [[ <del>7.03</del> ]]	9 [[ <del>7.03</del> ]]	8.2	9.12			
7.5	1.52	1.62	9.12	6.3 <sup>^</sup> [[6.40 <u>1</u> ]]	1	6.5			
2.62									
11	2.5	2.6	[[ <del>7.05</del> ]]	6.95	6.91	9.51			
8.0	1.55	1.54	9.54	7.0 <sup>^</sup> [[7.00 0 0]]	7.0	2.55			
12	2.7	2.8	7. [[ <del>7.03</del> ]]	1 [[ <del>7.03</del> ]]	06	6.90	9.70		
8.3	1.56	1.50	9.80	7.3 <sup>^</sup> [[7.30 0 0]]	7.3	2.56			
13	3.2	3.3	7. [[ <del>7.03</del> ]]	1 [[ <del>7.03</del> ]]	00	6.85	10.15		
8.7	1.60	1.44	10.14	7.8 <sup>^</sup> [[7.85 0 1]]	7.9	2.45			
14	3.7 <sup>^</sup> [[3.8 3.85 0 1]]	3.9	6.80	6.79	10.64	9.3	1.35	1.38	
10.68	8.1 <sup>^</sup> [[8.15 <u>1</u> ]]	1	8.2	2.50					
15	4.3	6.78	6.72	11.02	9.7	1.38	1.34	11.04	8.5 <sup>^</sup> [[8.50 0 0]]
8.5	2.58								
16	4.7	6.70	6.64	11.34	F	.	.	8.9 <sup>^</sup> [[9.00 <u>1</u> ]]	1 1
9.1	2.40								

[/Columned Table]

[[15 Columned table]]

| Cu<sup>^</sup>[[Prism fr Gr]] [[~~4~~]]  
[[~~3~~]] | Magn | Sc1 | Sc2 | Diff. | Cu | Magn<sup>^</sup>[(1)] | Sc2  
Diff. | Cu<sup>^</sup>[[Gr fr Prism]] [[~~3~~]] [[~~4~~]] | Magn |  
g | h | Diff. |

3.05	8.05	17	5.0	6.63	6.59	11.59			[[symbol - arrow]]
6.57	11.67	9.1 <sup>^</sup> [[9.20 <u>1</u> ]]	1	9.3	2.43				
2.91	8.51	18	5.6	6.46	6.49	12.09		6.41	12.46
9.7 <sup>^</sup> [[9.70 00]]	9.7	2.36							
2.78	8.78	19	5.9 <sup>^</sup> [[6.00 <u>1</u> ]]	1	6.1	6.42			
6.41	12.41		6.34	12.74					

[/Columned Table]

[[13 Columned Table]]

| Cu<sup>^</sup>[[Prism fr Gr]] [[~~4~~]]  
[[~~3~~]] | Magn | Sc1 | Sc2 | Diff. | Cu | Magn<sup>^</sup>[(1)] |  
Cu<sup>^</sup>[[Gr fr Prism]] [[~~3~~]] [[~~4~~]] | Magn | Cu |  
Magn<sup>^</sup>[(2)] |



15

Polar Sequences

ScV | Sept 5, 1919

MC15986 cont) | (1) | PC (5) | Diff (~~3~~ ~~4~~)

[7 Columned Table]

+	r	Sc	Sc2	<del>5.7</del>	<del>Diff</del>	Cu	Magn
g	Cu	Magn	g	cu	magn	h	Gn for cu
6.69	Prim	magn	11.19	Diff			
2	r	1.2	1.3	6	<del>57</del>	6.84	8.14   5.9
1.97	2.02	7.92	4.5	2.88	8.63	4.50	00 4.5 6.46 3.37 12.21
3	r	2.1	2.2	6	<del>55</del>	6.91	9.11   6.8
1.95	1.76	8.56	5.8	2.79	8.94	5.75	01 5.7 6.39 3.00 12.54
4	r	2.3	2.4	6	<del>70</del>	6.90	9.30   7.0
2.10	1.72	8.72	6.1	2.60	9.80	6.15	10 6.2 6.21 2.95 13.41
5	r	3.1	3.2	6	<del>71</del>	6.86	10.06
8.3	1.61	1.50	9.80	7.3	2.52	10.37	7.20 11 7.1 6.09 2.71 13.94
6	r	3.5	3.6	6	<del>70</del>	6.82	10.42
8.9	1.40	1.42	10.32	7.8	2.47	10.77	7.85 01 7.9 6.00 2.45 14.30
7	r	3.8	3.7	3.85	01 3.9	6.85	6.79 10.64   9.5 1.20   1.35 10.85
8.3	2.42	11.32	8.30	00 8.3	5.92	2.40	14.82
( <del>4</del> <del>3</del> ) 8 r   4.4   6.80   6.70 11.10   7							
8.9 2.37 11.87 8.90 00 8.9 5.85 2.30 15.35							
Price to Yr Cu magn 3.05 8.5 9 r   5.0   6.70   6.59 11.59							
9. [?] 9.50 00 9.5 1 2.20							
2.80	8.90	10 r	6.1	6.25	6.40	12.50	
2.69	9.39	11 r	6.7	6.27	6.30	13.00	
2.59	9.89	12 r	7.3	6.18	6.20	13.50	
(2) cu magn 2.55							
10.05							
. . 4 s   3.2 3.3   6.82   6.85 10.15   8.7 1.42   1.44 10.14 7.5 Grt							
Cu. 6.15 Prins ( <del>3</del> <del>4</del> ) magn 13.65   Cu							
6.47 ( <del>3</del> <del>4</del> ) Magn 12.17 7.50 00 7.5							
2.48 2.62 10.78							

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16  
Polar Sequences  
ScV Sept 6, 1919  
12:00 [MC15987](1)PC(5) Diff Diff.  
| SC 1 SC 2 | Diff Cu Magn | Diff. | Cu Magn | g | h  
3 | B | . | 3.0 2.81 | 3.08 6.08 | B B  
On edge 4 | B | . | 3.1 2.89 | 3.07 6.17 | B  
? Prim 4 5 | B | . | 3.3 3.19 | 3.05 6.35 | B B  
Cu Magn  
7.69 11.84 ^[[4.1510]] 6 | B | . | 4.2 2.91 | 2.99 7.19 | B B  
750 12.45 7 | B | . | 4.3 3.01 | 2.98 7.28 | B B ~~[[strikethrough]]~~ (g)  
~~[[/strikethrough]]~~  
7.48 12.58 8 | B | . | 5.3 2.93 | 2.88 8.18 | 4.1 4.2 4.08  
7.24 13.14 9 | 1.3 ^[[1.4]] | 7.43 | 7.63 9.03 | 5.9 2.93 | 2.82 8.72 | 5.0  
^[[4.9501]] 4.9 3.88  
6.89 ^[[7.04]] 13.84 ^[[13.54]] 10 | 1.3 ^[[1.4]] | 7.62 | 7.63 9.03 | 6.2 2.82  
| 2.77 8.97 | 5.1 ^[[5.1000]] 5.1 ~~[[strikethrough]]~~ 4 ~~[[/strikethrough]]~~ 392  
6.78 14.08 11 | 1.8 ^[[1.9]] | 7.65 | 7.70 9.60 | 6.9 2.65 | 2.64 9.54 | 5.9  
^[[5.9000]] 5.9 ~~[[?]]~~ 3.65  
6.69 14.39 12 | 2.0 ^[[2.1]] | 7.76 | 7.74 9.84 | 7.3 ^[[7.5 7.4011]] 2.46 |  
2.54 9.94 | 6.5 ^[[6.5000]] 6.5 3.36  
6.60 14.65 13 | 2.5 ^[[2.6]] | 7.70 | 7.77 10.37 | 7.8 2.50 | 2.48 10.28 | 7.0  
^[[6.9501]] 6.9 3.35  
6.53 14.93 14 | 2.8 ^[[2.9]] | 7.75 | 7.79 10.69 | 8.3 2.35 | 2.40 10.70 | 7.3  
^[[7.3000]] 7.3 3.35  
6.40 15.40 15 | 3.3 ^[[3.4]] | 7.68 | 7.80 | 11.20 | 8.7 2.38 | 2.36 11.06 |  
7.7 ^[[7.7000]] 7.7 3.38  
6.32 15.72 16 | 3.5 ^[[3.6]] | 7.80 | 7.76 11.36 | 9.0 2.40 | 2.32 11.32 | 8.0  
^[[8.0501]] 8.1 3.35  
17 | 3.7 ^[[3.8 3.8000]] 3.8 | 7.83 | 7.74 11.54 | S ~~[[?]]~~ | . | 8.3 ^[[  
8.4011]] 8.5 3.23

16

Polar Sequences

Time	SC 1	SC 2	Diff	Cu Magn	Diff.	Cu Magn	g	h
3	B	.	3.0	2.81	3.08	6.08	B	B
On edge 4	B	.	3.1	2.89	3.07	6.17	B	
? Prim 4 5	B	.	3.3	3.19	3.05	6.35	B	B
Cu Magn								
7.69	11.84	^[[4.1510]]	6	B	.	4.2	2.91	2.99 7.19   B B
750	12.45	7	B	.	4.3	3.01	2.98 7.28	B B <del>[[strikethrough]]</del> (g)
<del>[[/strikethrough]]</del>								
7.48	12.58	8	B	.	5.3	2.93	2.88 8.18	4.1 4.2 4.08
7.24	13.14	9	1.3	^[[1.4]]	7.43	7.63	9.03	5.9 2.93   2.82 8.72   5.0
^[[4.9501]]	4.9	3.88						
6.89	^[[7.04]]	13.84	^[[13.54]]	10	1.3	^[[1.4]]	7.62	7.63 9.03   6.2 2.82
2.77	8.97	5.1	^[[5.1000]]	5.1	<del>[[strikethrough]]</del>	4	<del>[[/strikethrough]]</del>	392
6.78	14.08	11	1.8	^[[1.9]]	7.65	7.70	9.60	6.9 2.65   2.64 9.54   5.9
^[[5.9000]]	5.9	<del>[[?]]</del>	3.65					
6.69	14.39	12	2.0	^[[2.1]]	7.76	7.74	9.84	7.3 ^[[7.5 7.4011]] 2.46
2.54	9.94	6.5	^[[6.5000]]	6.5	3.36			
6.60	14.65	13	2.5	^[[2.6]]	7.70	7.77	10.37	7.8 2.50   2.48 10.28   7.0
^[[6.9501]]	6.9	3.35						
6.53	14.93	14	2.8	^[[2.9]]	7.75	7.79	10.69	8.3 2.35   2.40 10.70   7.3
^[[7.3000]]	7.3	3.35						
6.40	15.40	15	3.3	^[[3.4]]	7.68	7.80	11.20	8.7 2.38   2.36 11.06
7.7	^[[7.7000]]	7.7	3.38					
6.32	15.72	16	3.5	^[[3.6]]	7.80	7.76	11.36	9.0 2.40   2.32 11.32   8.0
^[[8.0501]]	8.1	3.35						
17	3.7	^[[3.8 3.8000]]	3.8	7.83	7.74	11.54	S <del>[[?]]</del>	.   8.3 ^[[
8.4011]]	8.5	3.23						

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7.69 | 11.79 | 2r [?] | B | |

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18  
Polar Sequence  
Sc V Sept. 12, 1919  
11 -50 MC 16051 Yellow Exp. 20<sup>8</sup>  
[[3 column table]]

	Sc 1	Sc 2
1	Off pl.	
3	5.5	
4	Off pl.	
5	6.9	
6	7.8	
7	8.1	
8	9.3	
9	F	
2r	6.5	
3r	8.3	
4r	8.7?	
5r	n.s	

18

*John S. ...*

*Sept. 12, 1919*

*11 -50 MC 16051 Yellow Exp. 20<sup>8</sup>*

1	Off pl.	
3	5.5	
4	Off pl.	
5	6.9	
6	7.8	
7	8.1	
8	9.3	
9	F	
2r	6.5	
3r	8.3	
4r	8.7?	
5r	n.s	

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19

Polar Sequence

Sc V Sept. 12, 1919

MC 16052 Yellow Exp. 1<sup>^</sup>[m]

[3 column table]

	Sc 1	Sc 2
1	Off Pl.	
3	3.5	
4	Off pl.	
5	5.0	
6	5.7	
7	6.1	
8	7.5	
9	8.7	
10	8.9	
11	Sup?	
12	n.s	
2r	4.3	
3r	6.5 <sup>^</sup> [6.7]	
4r	7.7	
5r	8.3	
6r	9.0?	
7r	9.5?	
87° 12'	7.7	
15	8.3	
88° 2'	8.0	
80	?	
86	9.0	
90	9.1	
105	8.3	
115	8.7	

19

Polar Sequence

Sept 12, 1919

Yellow Exp 1

MC 16052

Sc V

Exp 1

1 3.5

3 3.5

4 4.3

5 5.0

6 5.7

7 6.1

8 7.5

9 8.7

10 8.9

11 Sup?

12 n.s

2r 4.3

3r 6.5<sup>^</sup>[6.7]

4r 7.7

5r 8.3

6r 9.0?

7r 9.5?

87° 12' 7.7

15 8.3

88° 2' 8.0

80 ?

86 9.0

90 9.1

105 8.3

115 8.7

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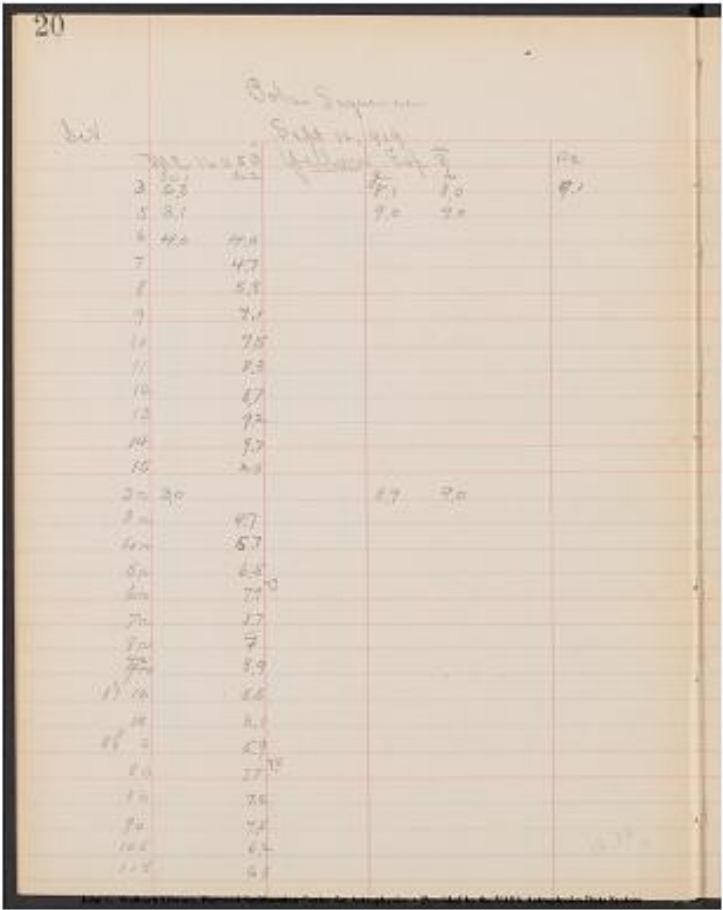
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Polar Sequence  
ScV Sept 12, 1919  
MC16053 Yellow Exp  
3<sup>m</sup>

[7 Columned Table]						
	Sc1	Sc2	g	h	PC	
3	2.3		8.1	8.0	9.1	
5	3.1		9.0	9.0	9.1	
6	4.0	4.0				
7	4.7					
8	5.8					
9	7.1					
10	7.5					
11	8.3					
12	8.7					
13	9.2					
14	9.7					
15	n.s					
2r	3.0		8.9	9.0		
3r	4.7					
4r	<del>6</del> 5.7					
5r	6.5					
6r	7.9 <sup>^</sup> <del>7.7</del>					
7r	8.7					
8r	F					
<del>9r</del> 4s   8.9						
87° 12	5.5					
15	6.1					
88° 2	5.9					
80	7.7 <sup>^</sup> <del>7.5</del>					
86	7.5					
90	7.5					
105	6.2					
115	6.5					
[/Columned Table]						
[Note] 12.30 [/Note]						

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21  
Polar Sequence  
ScV Sept 13, 1919

[[5 column table]]

1:	10	MC 16054	Ex 10	Yellow	PC
3	On edge of film			g h	
5	2.0	7.5	7.3	8.8	8.7
6	2.6	w.s	8.7	8.7	9.7
7	3.0		8.7	8.7	9.8
8	3.7	3.9		9.8	9.8
9	4.8				
10	5.1				
11	6.2				
12	6.5				
13	7.3	7.5			
14	7.7				
15	8.5				
16	8.9				
17	9.2				
18	9.9				
2r	2.0		7.1	7.1	8.5
3r	3.0		8.5	8.3	9.7
4r	3.5		9.8	9.8	7
5r	4.7	Sc1	Sc2	PC	Diff g h
6r	5.4	5.5	8712	33	9.1 9.3
7r	6.8	15	4.0	9.9	9.9
8r	7.7	882	3.6	3.7	9.7 9.7
9r	8.3	8.8	80	5.7	5.5
10r	ns	86	4.7		
4s	6.5	90	50		
5s	7.1	105	3.9		
6s	8.0	115	5.5		
7s	7		1:35		

21

Polar Sequence  
Sept 13, 1919

Time	Obs. No.	Ex. No.	Filter	PC
1:10	10	MC 16054	Yellow	PC
1:15	3	On edge of film		
1:20	5	2.0	7.5	7.3
1:25	6	2.6	w.s	8.7
1:30	7	3.0		8.7
1:35	8	3.7	3.9	9.8
1:40	9	4.8		
1:45	10	5.1		
1:50	11	6.2		
1:55	12	6.5		
2:00	13	7.3	7.5	
2:05	14	7.7		
2:10	15	8.5		
2:15	16	8.9		
2:20	17	9.2		
2:25	18	9.9		
2:30	2r	2.0	7.1	7.1
2:35	3r	3.0	8.5	8.3
2:40	4r	3.5	9.8	9.8
2:45	5r	4.7	Sc1	Sc2
2:50	6r	5.4	5.5	8712
2:55	7r	6.8	15	4.0
3:00	8r	7.7	882	3.6
3:05	9r	8.3	8.8	80
3:10	10r	ns	86	4.7
3:15	4s	6.5	90	50
3:20	5s	7.1	105	3.9
3:25	6s	8.0	115	5.5
3:30	7s	7		1:35

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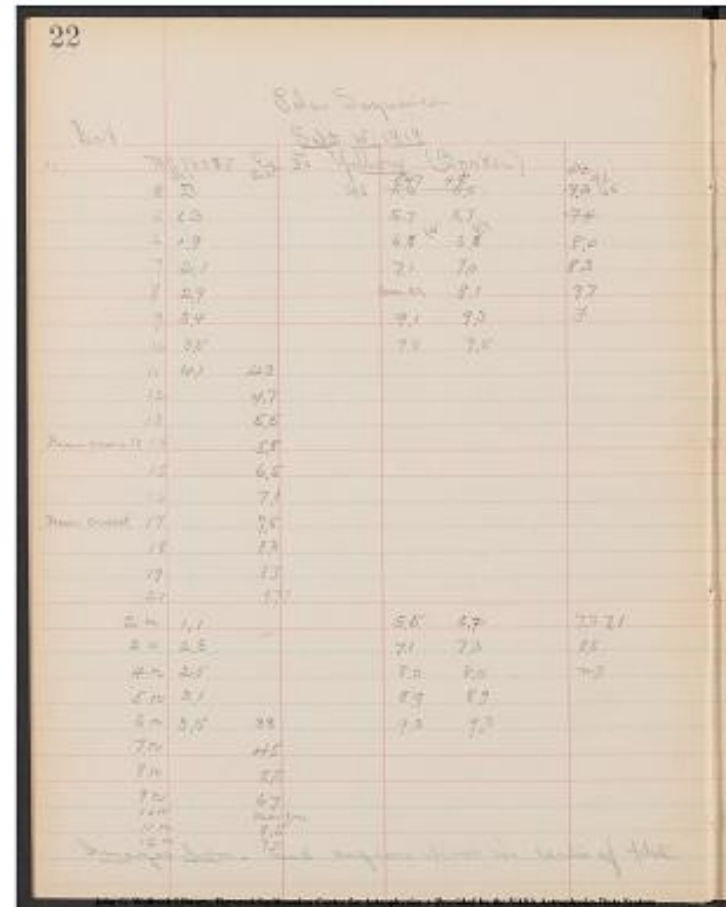
Polar Sequence

ScV Sept 15, 1919

MC 16055 Ex 30<sup>h</sup>[m] Yellow (Broken)

	Sc1	Sc2	g	h	PC
3	B	w.s	<del>5.6</del>	4.7	
	<del>5.5</del>	4.8			
	<del>7.3</del>	<del>7.1</del>			
5	1.3	5.7	5.7	<del>7.5</del>	
6	1.9	6.8 <sup>h</sup> <del>6.5</del>	6.6 <sup>h</sup> <del>6.7</del>	8.0	
7	2.1	7.1	7.0	8.3	
8	2.9	near cr.	8.1	9.7	
9	3.4	9.1	9.3	F	
10	3.5	9.5	9.5		
11	4.1	4.3			
12	4.7				
13	5.5				
	near crack 14	5.8			
15	6.5				
16	7.1				
	near crack 17	7.5			
18	8.3				
19	8.7				
21	9.7?				
2r	1.1	5.5	5.7	7.3	
2r	2.3	7.1	7.3	8.5	
4r	2.5	8.0	8.0	n.s	
5r	3.1	8.9	8.9		
6r	3.5	38	9.3	9.3	
7r	4.5				
8r	5.5				
9r	6.7				
10r	near cr.				
11r	8.5				
12r	9.0				

Images poor and region poor in center of plate.



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23  
Polar Sequence  
ScV Sept 15, 1919  
MC 16055 cont  
| Sc1 | Sc2 | g | h | PC |  
4s | 4.8 | 4.5 | | | 8.9 |  
5s | 5.1 | | | | |  
6s | 6.2 | | | | |  
7s | 8.1 | | | | |  
87° 12 | 2.4 | | 7.5 | 7.5 | 8.9 |  
15 | 2.8 | | 8.1 | 8.1 | 9.5 |  
88° 2 | 2.5 | | 8.0 | 7.9 | 9.0 |  
80 | 3.5 | ~~3.5~~ | | | |  
86 | 3.5 | ~~3.5~~ | | | |  
90 | 3.5 | ~~3.5~~ | | | |  
105 | 2.5 | | 8.1 | 8.1 | |  
115 | 3.5 | | | | |

11:45

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23

Polar Sequence  
Sept 15, 1919

MC 16055 cont

Sc1	Sc2	g	h	PC
4s	4.8	4.5		8.9
5s	5.1			
6s	6.2			
7s	8.1			
87° 12	2.4		7.5	7.5   8.9
15	2.8		8.1	8.1   9.5
88° 2	2.5		8.0	7.9   9.0
80	3.5	<del>3.5</del>		
86	3.5	<del>3.5</del>		
90	3.5	<del>3.5</del>		
105	2.5		8.1	8.1
115	3.5			

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24  
Polar Sequence  
ScV Sept 15, 1919  
MC 16056 Yellow Exp 60^[[m]]

[[6 column table]]

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

	Sc1	Sc2	g	h	PC
1	B	B	B	3.9	
3	Off pl.				<del>4.5</del>
4	B	B	B ws		<del>4.5</del> 5.3
5	B	4.0	4.1	6.0	
6	1.0	5.1	5.1	6.9	
7	1.3	5.7	5.7p	7.3	
8	2.0	6.8	6.9	8.3	
9	2.6	7.9	7.9	9.0	
10	2.9	8.1	8.1	9.3	
11	3.2	9.0	9.0	9.9?	
12	3.5	9.3	9.5		
13	4.0	4.1	9.7	9.8	
14		4.4			
15		5.1			
16		5.9			
17		6.2			
18		7.0			
19		7.6			
20		8.0			
23		9.0			
25		9.7			
2r	B	4.0	4.0	5.9	
3r	1.3	5.8	5.9	7.3	
4r	2.1	6.9	7.0	8. <del>9</del>	5 8.7
5r	25	7.5	7.5	Sufr?	
6r	3.0	8.3	8.8		
7r	3.5				

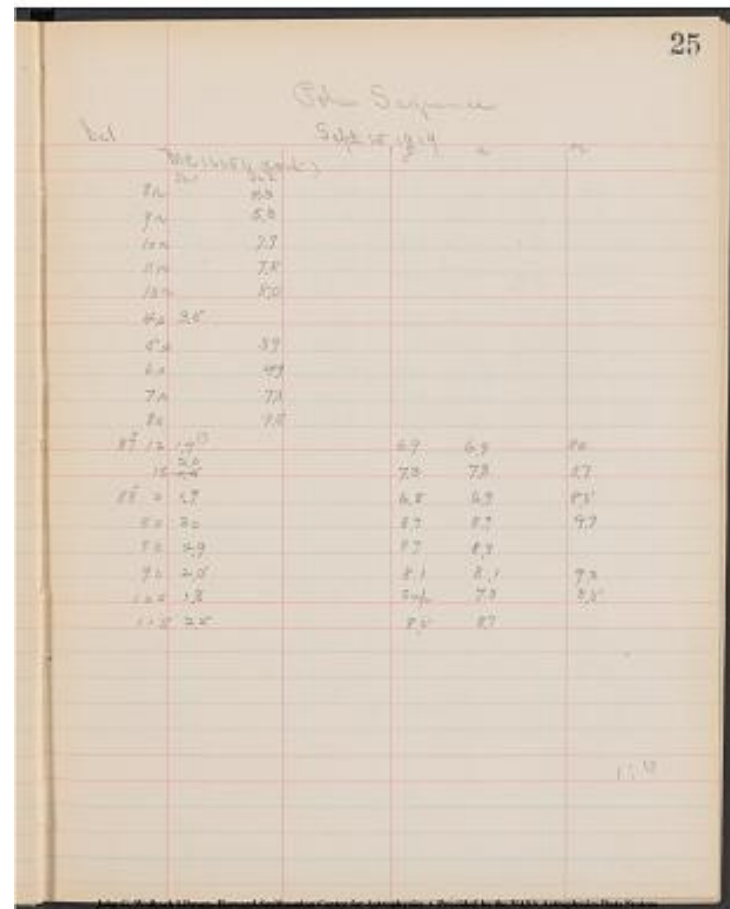
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25  
Polar Sequence  
Sc1 Sept 15, 1919  
MC 16056 (cont)  
| Sc1 | Sc2 | g | h | PC |  
8r | 4.3 | | | |  
9r | 5.3 | | | |  
10r | 7.7 | | | |  
11r | 7.5 | | | |  
12r | 8.0 | | | |  
4s | 3.5 | | | |  
5s | 3.9 | | | |  
6s | 4.9 | | | |  
7s | 7.3 | | | |  
8s | 9.5 | | | |  
87° 12 | 1.9^[[1.7]] | | 6.9 | 6.9 | 80 |  
15 | ~~1.5~~ | 2.0 | | 7.3 | 7.3 | 8.7 |  
88° 2 | 1.9 | | 6.8 | 6.9 | 8.5 |  
80 | 30 | | 8.7 | 8.9 | 9.7 |  
86 | 2.9 | | 8.7 | 8.7 | |  
90 | 2.5 | | 8.1 | 8.1 | 9.3 |  
105 | 1.8 | | Sup | 7.3 | 8.5 |  
115 | 2.5 | | 8.5 | 8.7 | |

1:10

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#62  
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26  
 12:00 Measures of Standard Seq 33  
 ScV Sept 17, 1919  
 MC 2040 g' 2 exposures  
 Ex 1  
 Seq 33  

	Sc1	Sc2	PC
a	1.3	4.3	4.7
b	1.2 <sup>^</sup> [1.30]	1.30	5.6
c	1.7 <sup>^</sup> [1.8]	1.80	6.0
d	2.1 <sup>^</sup> [2.2]	2.20	6.4
e	2.5 <sup>^</sup> [2.60 11]	2.7	2.60   7.1
f	3.3 <sup>^</sup> [3.4]	3. <del>3</del> <del>38501</del>	40   7.7
g	3.7 <sup>^</sup> [3.8]	3.9   3.85	8.1
h	4.2	8.5	
k	5.0	9.2	
k'	5.5	9.8	
l	5.5	7	
l'	5.9		
m	6.4		
n	6.8		
o	7.1		
h	7.5		
q	7.9		
r	8.7		

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26

Measures of Standard Seq 33

Seq 33

	Sc1	Sc2	PC
a	1.3	4.3	4.7
b	1.2 <sup>^</sup> [1.30]	1.30	5.6
c	1.7 <sup>^</sup> [1.8]	1.80	6.0
d	2.1 <sup>^</sup> [2.2]	2.20	6.4
e	2.5 <sup>^</sup> [2.60 11]	2.7	2.60   7.1
f	3.3 <sup>^</sup> [3.4]	3. <del>3</del> <del>38501</del>	40   7.7
g	3.7 <sup>^</sup> [3.8]	3.9   3.85	8.1
h	4.2	8.5	
k	5.0	9.2	
k'	5.5	9.8	
l	5.5	7	
l'	5.9		
m	6.4		
n	6.8		
o	7.1		
h	7.5		
q	7.9		
r	8.7		

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27  
Polar Seq Plot 8  
ScV Sept 17, 1919  
MC 2040 (cont)  
Polar Seq

	Sc1	Sc2	Diff	PC	Diff
5	B		4.0	2.49	
6	B		4.6	2.51	
8	B		6.1	2.13	
9	<del>B</del>				
10	<del>2.9</del>	<del>3.0</del>			
11	<del>3.4</del>	<del>3.5</del>			
12	3.8	6.06	tp		
13	4.2	6.10	8.7	1.60	
14	4.7	5.95	9.1	1.55	
15	5.1	5.98	9.5	9.60	9.7   1.48
16	5.5	5.90	9.8	1.60	
17	5.8	5.83			
18	6.3	5.76			
19	6.7	5.72			
20	7.0	5.73			
23	7.7	5.64			
25	8.3	5.57			
26	8.8	5.53			
27	9.5	5.19			
28	F				

27

Polar Seq Plot 8  
Sept 17, 1919

Plot	Sc1	Sc2	Diff	PC	Diff
5	B		4.0	2.49	
6	B		4.6	2.51	
8	B		6.1	2.13	
9	<del>B</del>				
10	<del>2.9</del>	<del>3.0</del>			
11	<del>3.4</del>	<del>3.5</del>			
12	3.8	6.06	tp		
13	4.2	6.10	8.7	1.60	
14	4.7	5.95	9.1	1.55	
15	5.1	5.98	9.5	9.60	9.7   1.48
16	5.5	5.90	9.8	1.60	
17	5.8	5.83			
18	6.3	5.76			
19	6.7	5.72			
20	7.0	5.73			
23	7.7	5.64			
25	8.3	5.57			
26	8.8	5.53			
27	9.5	5.19			
28	F				

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Standard Seq 33

ScV Sept 17, 1919 \*[[Copied Bk 53; 46,47]]

[[14 column table]]

MC2040	(cont)	Pc	Primary
--------	--------	----	---------

|| Sc1 | Sc2 | Copied pg 26 | Mean | PC | Copied pg 26 | Mean |  
 Curve | Magn | Curve | Magn |  
 Ex 2 | a | B | B | B | B | 4.9 | 4.70 | 4.80  
 ^[[1]][[underlined]]1[[/underlined]] | 2.38 | 7.18 | . | . |  
 Seq. 33 | b | 1.3^[[1.4]] | 1.40 | 1.30 |  
 1.30^[[[[underlined]]0[[/underlined]]5]] | [[underlined]]05[[/underlined]] | 5.9  
 | 5.60 | 5.75 ^[[1]]^[[2]][[underlined]]2[[/underlined]] | 2.20 | 7.95 | . | . |  
 | c | 1.9^[[2.0]] | 2.00 | 1.80 | 1.90^[[1[[underlined]]1[[/underlined]]]] |  
 6.1 | 6.00 | 6.05^[[1 0]] | 2.12 | 8.17 | . | . |  
 | d | 2.3 ^[[2.4]] | 2.40 | 2.20 | 2.30^[[1[[underlined]]1[[/underlined]]]] |  
 6.7 | 6.40 | 6.55^[[1[[underlined]]2[[/underlined]]]] | 1.99 | 8.54 | . | . |  
 | e | 2.9^[[3.0]] | 3.00 | 2.60 | 2.80^[[2[[underlined]]2[[/underlined]]]] | 7.3  
 | 7.10 | 7.20^[[1[[underlined]]1[[/underlined]]]] | 1.83 | 9.03 | 6.04 | 8.84 |  
 | f | 3.5^[[3.6]] | 3.60 | 3.40 | 3.50^[[1[[underlined]]1[[/underlined]]]] | 8.1  
 | 7.70 | 7.90^[[2[[underlined]]2[[/underlined]]]] | 1.73 | 9.63 | 6.05 | 9.55 |  
 | g | 3.7^[[3.6]] | 3.5^[[1[[underlined]]1[[/underlined]]]] | 3.60 | 3.85 |  
 3.72^[[[[underlined]]12[[/underlined]] 13]] | 8.3 | 8.10 |  
 8.20^[[1[[underlined]]1[[/underlined]]]] | 1.67 | 9.87 | 6.04 | 9.76 |  
 | h | 4.0^[[4.1]] | [[4.15]] | 4.2 | 4.15 | 4.20 |  
 4.18^[[[[underlined]]03[[/underlined]] 02]] | 8.7 | 8.50 |  
 8.60^[[1[[underlined]]1[[/underlined]]]] | 1.61 | 10.21 | 6.01 | 10.19 |  
 | k | 5.3 | 5.00 | 5.15^[[1[[underlined]]2[[/underlined]]]] | 9.5 | 9.20 |  
 9.35^[[1[[underlined]]2[[/underlined]]]] | 1.53 |  
 | k' | 5.7 | 5.50 | 5.60^[[1[[underlined]]1[[/underlined]]]] | 9.8? | 9.80 |  
 9.80^[[[[circled]]00[[/circled]]^[[2]]00]] | 1.51 |  
 [[underlined]]11.31[[/underlined]] | 5.86 | 11.46 |  
 | l | 5.7 | 5.50 | 5.60^[[1[[underlined]]1[[/underlined]]]] | [[?]] | [[?]] | [[?]] |  
 5.86 | 11.46 |  
 | l' | 6.0 | 5.90 | 5.95 | [[underlined]] 05 [[/underlined]] | [[underlined]] 05  
 [[/underlined]] | 5.82 | 11.77 |  
 | m | 6.5 | 6.40 | 6.45 | ^05 | [[underlined]] ^05 [[/underlined]] | 5.76 |  
 12.21 |  
 | n | 6.9 | 6.80 | 6.85 | ^05 | [[underlined]] ^05 [[/underlined]] | 5.71 |  
 12.56 |  
 | o | 7.3 | 7.10 | 7.20 | ^1 | [[underlined]] ^1 [[/underlined]] | 5.66 | 12.86  
 | p | 7.7 | 7.50 | 7.60 | ^1 | [[underlined]] ^1 [[/underlined]] | 5.62 | 13.22  
 | q | 8.0 | 7.90 | 7.95 | ^05 | [[underlined]] ^05 [[/underlined]] | 5.58 |  
 13.53 |  
 | r | 8.9 | 8.70 | 8.80 | ^1 | [[underlined]] ^1 [[/underlined]] | 5.48 | 14.28

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 #62  
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20 Sequences Near North Pole

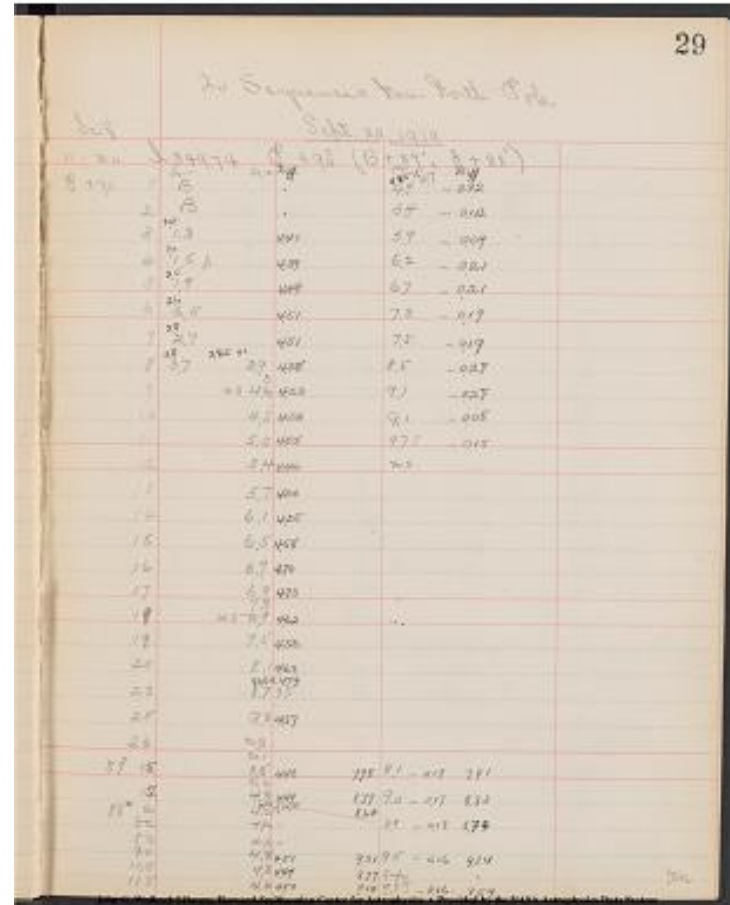
ScV Sept 22, 1919

11:30 134974 RHO+90° (B+89°, A+88°)

[6 column table]

Sc1	Sc2	Diff	PC	Diff

RHO+90 1	B								
2	B		5.4	-0.12					
3	1.3	[1.4]		4.41	5.9	-0.09			
4	1.5	[1.6]	[symbol]	4.39	6.2	-0.21			
5	1.9	[2.0]		4.49	6.7	-0.21			
6	2.5	[2.6]		4.51	7.3	-0.19			
7	2.7	[2.8]		4.51	7.5	-0.19			
8	3.7	[3.8]	3.8501	3.9	4.38	8.5	-0.27		
9	w.s	<del>4</del>	<del>6</del>	<del>3</del>	4.53	9.1	-0.27		
10	4.5	4.52	9.1	-0.08					
11	5.0	4.55	9.7?	-0.15					
12	5.4	4.46	n.s						
13	5.7	4.60							
14	6.1	4.55							
15	6.5	4.58							
16	6.7	4.70							
17	6.9	4.73							
19	w.s	<del>6.9</del>	<del>7.8</del>	4.62					
18	7.5	4.56							
20	8.1	4.63							
23	8.7	[8.6011]	8.5	[4.74]					
25	9.3	4.57							
26	n.s								
87° 15	3.5	[Sc 1]	4.48	7.98	8.1	-0.19	7.91		
12	4.3	[Sc 2]	4.49	8.79	9.0	-0.17	8.83		
88° 2	4.24	[4.15]	414.49	8.64					
80	[?]		8.9	-0.18	8.74				
86	[?]								
90	4.8	4.51	9.31	95	-0.16	9.34			
105	4.3	4.49	8.79	[?]					
115	4.6	4.50	910	9.7?	-0.16	9.54			



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30  
Sequences Near N. Pole  
DeV Sept 22, 1919  
[[?]] 34974 cont ^[[Pt89]]^[[Copied Bh 53:132]]  
Seq N.t 90° ^[[Sc1]] ^[[Sc2]]  
28mm A  
[[/strickethrough]]5.2[[/strickethrough]] [[/strickethrough]]54[[/strickethrough]]5.  
54.60|10.10|4.5^6[[/strickethrough]]2[[/strickethrough]] [[/strickethrough]]9.99  
[[/strickethrough]] [[/strickethrough]]10.06[[/strickethrough]]10.10|  
15 B |6.2|4.60|10.80|4.59|10.77|  
18 C |6.5|4.61|11.11|4.59|11.09|  
21 D |7.1|4.63|11.73|4.62|11.72|  
E |7.5|4.66|12.16|4.63|12.13|  
F |7.7|4.67|12.37|4.66|12.36|  
G |8.1|4.69|12.79|4.66|12.76|  
H |87|4.77|13.44|4.66|13.36|  
K |90|4.77|13.77|4.67|13.67|  
L |n.s|.|. |  
539 |4.0|4.60|8.60|4.48|8.48|  
568 |4.9|4.60|9.50|4.51|9.41|  
654 |4.3|4.60|8.90|4.49|8.79|  
657 |4.3|4.60|8.90|4.49|8.79|  
568=71 |4.7|4.63|9.33|4.50|9.20|  
654=73 |4.2|4.60|8.80|4.49|8.69|  
Seq N ^[[44^[[?]]]] + 90 | ^[[Copied Bb53:128]]  
a | 5.19 5.1 | 4.6 [[/strickethrough]] 0 [[/strickethrough]] 1 | 9.71 | 4.52 | 9.71  
|  
b | 5.57 5.5 | 4.64 | 10.14 | 4.5 [[/strickethrough]] 3 [[/strickethrough]] 7 |  
10.10 |  
^[[all images [?] [?]]]  
c | 5.77 5.7 | 4.64 | 10.34 | 4.5 [[/strickethrough]] 4 [[/strickethrough]] 4  
[[/strickethrough]] | 10.31 |  
d | t/n | . | . |  
e | t/n | . | . |  
f | 6.72 | 6.7? | 4.6[[?]] | 11.35? | 4.6 [[/strickethrough]] 0 [[/strickethrough]] 3  
| 11.32 |  
g | 7.0 | 7.0? | 4.64 | 11.64? | 4.61 | 11.61 ^[[?]]  
h | t/n | . | . |  
k | t/n | . | . |  
657 | 4.57 | 4.5 | 4.59 | 9.09 | 4.50 ^[[/strickethrough]] 4.50  
[[/strickethrough]] | 9.09  
4.05 | 4.0 | 4.55 | 8.55 | 4.49 | 8.54 |

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31  
Sequences near N. Pole  
Dev Sept 22, 1919  
I34974 cont.  
[[8 columned table]]  
P + 89°|Sc1|Sc2|Diff|PC|  
1|1.3|---|.5|0.0-0.52|  
2|1.0 ^[[1.1]]|---|~~3.3~~|4.18|5.5-0.22|  
3|1.5 ^[[1.6]]|---|4.21|6.0-0.19|  
4|1.5 ^[[1.6]]|h|---|4.39|6.2-0.21|  
5|1.9 ^[[2.0]]|---|4.49|6.9-0.41|  
6|2.3 ^[[2.4]]|---|4.71|7.3-0.19|  
7|t/n|---|.7|5.0-0.19|  
8|3.7 ^[[3.8]]^[[3.80 00]]|3.8|4.43|8.5-0.27|  
9|8up|---|.9|0.0-0.17|  
10|4.3|4.72|9.1-0.08|  
11|4.9|4.65|9.5-0.05|  
12|5.3|4.56|  
13|5.7|4.60|  
14|6.1|4.55|  
15|6.5|4.58|  
16|6.7|4.70|  
17|70|4.63|  
18|75|4.56|  
19|7.7|4.72|  
20|80|4.73|  
23|8~~[[3.8]]~~9~~[[3.80 00]]~~5|4.84|---|  
25|93|4.57|  
87° 12|4.2|4.60 8.80|9.0 - 0.15 8.85|  
15|3.4|4.57 7.97|8.3 - 0.24 8.06|  
88 2|4.3|4.60 8.90|9.0 - 0.15 8.85|  
80|t/n|. .|  
86|t/n|. .|  
105|4.3|4.60 | 8.90 |  
115|4.5|4.60 | 9.10 |  
90|4.7|4.60 | 9.30 |

31

Sequences near N. Pole  
Sept 22, 1919

P + 89°	Sc1	Sc2	Diff	PC
1	1.3			
2	1.0	1.1		
3	1.5	1.6		
4	1.5	1.6	h	
5	1.9	2.0		
6	2.3	2.4		
7	t/n			
8	3.7	3.8	3.80 00	
9	8up			
10	4.3	4.72		
11	4.9	4.65		
12	5.3	4.56		
13	5.7	4.60		
14	6.1	4.55		
15	6.5	4.58		
16	6.7	4.70		
17	70	4.63		
18	75	4.56		
19	7.7	4.72		
20	80	4.73		
23	8			
25	93	4.57		
87°	12	4.2	4.60 8.80	
15	3.4	4.57 7.97	8.3 - 0.24 8.06	
88	2	4.3	4.60 8.90	
80	t/n			
86	t/n			
105	4.3	4.60	8.90	
115	4.5	4.60	9.10	
90	4.7	4.60	9.30	

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## Sequences Near N. Pole

ScV Sept 22, 1919  
L 34974

Seq B +89°  
Mean Dist o

[[11 Columned Table]]

| | | Sc2 | P+90° Cu. | Magn<sup>^</sup>[[Copied BK 53;84]] | P-34 | Mean | Cu |  
[[/strickethrough]] Magn [[/strickethrough]] | Corr Dist<sup>^</sup>[[Curve o P+89]] |  
Magn. |

-----  
a | 5.8 | [[/strickethrough]] 4.55 | 10.35 | 5.7 | 5.75<sup>^</sup>[[0]] 1  
[[/underlined]] | 4.55 | 10.30 [[/strickethrough]] | 4.57 | 10.37 |  
b | 5.9 | [[/strickethrough]] 4.56 | 10.46 | 6.0 | 5.95<sup>^</sup>[[[underlined]] 1  
[[/underlined]] 0]] | 4.55 | 10.50 [[/strickethrough]] | 4.57 | 10.47 |  
c | 6.5<sup>^</sup>[[6.60 [[underlined]] 1 [[/underlined]] 1]] | [[/strickethrough]]  
6.7<sup>^</sup>[[4.58]] | 11.18 | 6.5<sup>^</sup>[[0 [[underlined]] 1 [[/underlined]] 1]] | 4.58 | 11.13  
[[/strickethrough]] | 4.58 | 11.18 |  
d | 6.7 | [[/strickethrough]] 4.59 | 11.29 | 6.7 | 6.7<sup>^</sup>[[00]] | 4.59 | 11.29  
[[/strickethrough]] | 4.59 | 11.29 |  
e | 7.1 | [[/strickethrough]] 4.62 | 11.72 [[/strickethrough]] | 7.1 |  
7.10<sup>^</sup>[[00]] | 4.63 | 11.72 [[/strickethrough]] | 4.60 | 11.70 |  
f | 7.3 | [[/strickethrough]] 4.63 | 11.93 | 7.3 | 7.3<sup>^</sup>[[00]] | 4.63 | 11.93  
[[/strickethrough]] | 4.61 | 11.91 |  
g | 7.7 | [[/strickethrough]] 4.64 | 12.34 [[/strickethrough]] | 7.6 |  
7.65<sup>^</sup>[[10]] | 4.63 | 12.28 [[/strickethrough]] | 4.63 | 12.33 |  
h | 8.3 | [[/strickethrough]] 4.65 | 12.95 | . | 8.30<sup>^</sup>[[0.0]] | 4.64 | 12.94  
[[/strickethrough]] | 4.81 | 13.11 |  
k | 8.5 | [[/strickethrough]] 4.65 | 13.15 | 8.7 | 8.60<sup>^</sup>[[[underlined]] 1  
[[/underlined]] 0]] | 4.65 | 13.20 [[/strickethrough]] | 4.88 | 13.38 |  
l | 8.9 | [[/strickethrough]] 4.66 | 13.56 [[/strickethrough]] | 9.0 |  
8.95<sup>^</sup>[[[underlined]] 1 [[/underlined]] 0]] | 4.66 [[/strickethrough]] | 13.61  
[[/strickethrough]] | 5.00 | 13.90 |  
m | 9.3 | [[/strickethrough]] 4.66 | 13.96 [[/strickethrough]] | 9.5 |  
9.40<sup>^</sup>[[[underlined]] 1 [[/underlined]] 1]] | 4.65 | 14.05 [[/strickethrough]] |  
5.18 | 14.48 |  
n | F | [[/strickethrough]] . | . | . | . | [[/strickethrough]] | | |  
63 | 4.9 | [[/strickethrough]] 4.50 | 9.40 | 5.0 | 4.95<sup>^</sup>[[[underlined]] 1  
[[/underlined]] 0]] | 4.51 | 9.46 [[/strickethrough]] | 4.56 | 9.46 |  
82 | 5.4 | [[/strickethrough]] 4.52 | 9.92 | 5.3 | 5.35<sup>^</sup>[[0 [[underlined]] 1  
[[/underlined]]]] | 4.53 | 9.88 [[/strickethrough]] | 4.57 | 9.97 |  
7 = 144 | 5.5 | [[/strickethrough]] 4.53 | 9.93 | 5.5 | 5.50<sup>^</sup>[[00]] | 4.53 |  
10.03 [[/strickethrough]] | 4.57 | 10.07 |  
[[/strickethrough]] 7 | | | | | [[/strickethrough]] | | |  
[[/strickethrough]] {1156 | 6.0 | | | | | [[/strickethrough]] | | |  
<sup>^</sup>[[Main +88° 2]] [[/strickethrough]] {1178 | 5.2 | | | | |  
[[/strickethrough]] | | | | | | |  
[[/strickethrough]] {1211 | 7.1 | | | | | [[/strickethrough]] | | |  
1277 | 5.5 | [[/strickethrough]] 4.53 | 10.03 | 5.5 | 5.50<sup>^</sup>[[00]] | 4.53 |  
10.03 [[/strickethrough]] | 4.57 | 10.07 |  
88° 2 | 4.2 | [[/strickethrough]] 4.49 | 8.69 | 4.3 | 4.25<sup>^</sup>[[01]] | 4.49 | 8.74  
5 [[/strickethrough]] 4.51 | 8.71 |  
8 = 100 | 5.9 | [[/strickethrough]] 4.56 | 10.46 | 5.7 | 5.80<sup>^</sup>[[1  
[[underlined]] 1 [[/underlined]]]] | 4.55 | 10.35 | 5.9 [[/strickethrough]] 4.57

32

Sequences Near N. Pole

ScV Sept 22, 1919

L 34974

Seq B +89°

Mean Dist o

Star	Mag	Dist	Mag	Dist	Mag	Dist
1	5.8	4.55	10.35	5.7	5.75	0
2	5.9	4.56	10.46	6.0	5.95	1
3	6.5	4.58	11.18	6.7	6.5	0
4	6.7	4.59	11.29	6.7	6.7	00
5	7.1	4.62	11.72	7.1	7.1	00
6	7.3	4.63	11.93	7.3	7.3	00
7	7.65	4.64	12.34	7.6	7.65	10
8	8.3	4.65	12.95	8.3	8.3	00
9	8.5	4.65	13.15	8.7	8.60	0
10	8.9	4.66	13.56	9.0	8.95	0
11	9.3	4.66	13.96	9.5	9.40	1
12	9.40	4.65	14.05	9.5	9.40	1
13	5.18	14.48				
14	4.9	4.50	9.40	5.0	4.95	0
15	4.51	9.46	4.56	9.46		
16	5.4	4.52	9.92	5.3	5.35	0
17	4.53	9.88	4.57	9.97		
18	5.5	4.53	9.93	5.5	5.50	00
19	10.03	4.57	10.07			
20	7					
21	6.0					
22	5.2					
23	1211	7.1				
24	5.5	4.53	10.03	5.5	5.50	00
25	10.03	4.57	10.07			
26	88° 2	4.2	4.49	8.69	4.3	4.25
27	5	4.51	8.71			
28	8 = 100	5.9	4.56	10.46	5.7	5.80
29	4.55	10.35	5.9	4.57		

| 10.47 |  
 | 11 = 1229 | | 5.0 | ~~4.51~~ | 9.51 | 4.9 | 4.95<sup>[[0</sup>  
~~[[underlined]] 1~~ ~~[[/underlined]]~~ | 4.51 | 9.46 ~~[[/strikethrough]]~~ | 4.55 | 9.55  
  
~~[[strikethrough]] 18~~ | | | | | | | ~~[[/strikethrough]]~~ | | | |  
~~[[strikethrough]] 11~~ | | | | | | | ~~[[/strikethrough]]~~ | | | |  
 {1156 | | 3.9 | ~~4.49~~ | 8.39 | 4.1 | 4.00<sup>[[[underlined]] 1</sup>  
~~[[/underlined]] 1]]~~ | 4.49 | 8.49 ~~[[/strikethrough]]~~ | | | |  
<sup>^[[[[?]] Seq BrV]] {1178 | | 4.9 | ~~4.50~~ | 9.40 | 5.0 |</sup>  
 4.95<sup>[[[underlined]] 1</sup> ~~[[/underlined]] 0]]~~ | 4.51 | 9.46 ~~[[/strikethrough]]~~ | | |  
  
 {1211 | | 5.3 | ~~4.52~~ | 9.82 | 5.5 | 5.40<sup>[[[underlined]] 1</sup>  
~~[[/underlined]] 1]]~~ | 4.53 | 9.93 ~~[[/strikethrough]]~~ | | | |  
~~[[/Columned Table]]~~

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33

Sequences Near N. Pole

ScV Sept 22, 1919

L34974

P + 88°	Sc1	Sc2	Diff	PC
1 B	.	4.8	0.32	
2 B	.	5.3	0.02	
3 1.3 <sup>^</sup> [[1.4]]		4.41		5.9 _ 0.09
4 tp	.	6.2	0.21	
5 1.9 <sup>^</sup> [[2.0]]		4.49		7.0 <sup>^</sup> [[6.90 11]] 6.8 _ 0.41
6 2.5 <sup>^</sup> [[2.6]]		4.51		7.2 _ 0.09
7 2.7 <sup>^</sup> [[2.8]]		4.51		7.5 _ 0.19
8 3.8 3.8000	3.8	4.43		8.5 _ 0.27
9	4.3	4.53		9.1 _ 0.27
10	4.3	4.72		9.3 _ 0.28
11	4.8	4.75		
12	5.3	4.56		
13	5.7	4.60		
14	6.0	4.65		
15	6.4	4.68		
16	6.7	4.70		
17	7.0	4.63		
18	7.6	4.46		
19	7.8	4.62		
20	8.1	4.63		
23	8.7	4.64		
25	9.3	4.57		
87° 12	4.2	4.57	8.77	
15	3.5	4.54	8.04	
88° 2	4.2	4.57	8.77	
80	tp	.	.	
86	tp	.	.	
105	4.3	4.56	8.86	
115	4.3	4.56	8.86	
90	tp	.	.	

[[guess?]]

Handwritten manuscript page showing astronomical data for "Sequences Near N. Pole". The page is numbered 33 in the top right corner. The title "Sequences Near N. Pole" is written in cursive at the top. Below the title, the date "Sept 22, 1919" and the identifier "L34974" are written. The data is organized into columns labeled "P + 88°", "Sc1", "Sc2", "Diff", and "PC". The entries are numbered 1 through 25, followed by specific coordinates like 87° 12, 15, 88° 2, 80, 86, 105, 115, and 90. The data is transcribed from a handwritten manuscript, showing various numerical values and some handwritten notes.

P + 88°	Sc1	Sc2	Diff	PC
1 B	.	4.8	0.32	
2 B	.	5.3	0.02	
3 1.3 <sup>^</sup> [[1.4]]		4.41		5.9 _ 0.09
4 tp	.	6.2	0.21	
5 1.9 <sup>^</sup> [[2.0]]		4.49		7.0 <sup>^</sup> [[6.90 11]] 6.8 _ 0.41
6 2.5 <sup>^</sup> [[2.6]]		4.51		7.2 _ 0.09
7 2.7 <sup>^</sup> [[2.8]]		4.51		7.5 _ 0.19
8 3.8 3.8000	3.8	4.43		8.5 _ 0.27
9	4.3	4.53		9.1 _ 0.27
10	4.3	4.72		9.3 _ 0.28
11	4.8	4.75		
12	5.3	4.56		
13	5.7	4.60		
14	6.0	4.65		
15	6.4	4.68		
16	6.7	4.70		
17	7.0	4.63		
18	7.6	4.46		
19	7.8	4.62		
20	8.1	4.63		
23	8.7	4.64		
25	9.3	4.57		
87° 12	4.2	4.57	8.77	
15	3.5	4.54	8.04	
88° 2	4.2	4.57	8.77	
80	tp	.	.	
86	tp	.	.	
105	4.3	4.56	8.86	
115	4.3	4.56	8.86	
90	tp	.	.	

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Sequences Near N Pole

ScV Sept 22 1919

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Seq B° + 88°

| Sc1 | Sc2 | Cu. | Magn<sup>h</sup>[[P+89]] | From page 32<sup>h</sup>[[P+90°]] | Mean |  
 Reading +89° p. 32 | -89°<sup>h</sup>[[88°]] |  
 a | 5.7 | 4.60 | 10.30 | 10.35 | 10.32 | [[underline]]02[[/underline]] | 03  
 5.8 | -1 |  
 b | 6.0 | 4.60 | 10.60 | 10.46 | 10.53 | 07 | [[underline]]07[[/underline]]  
 5.9 | +1 |  
 c | 6.5 | 4.60 | 11.10 | 11.18 | 11.14 | [[underline]]04[[/underline]] | 04  
 6.60 | -1 |  
 d | 6.7 | 4.61 | 11.31 | 11.29 | 11.30 | 01 | [[underline]]01[[/underline]]  
 6.7 | 0 |  
 e | 7.1 | 4.63 | 11.73 | 11.72 | 11.72 | 01 | 00 | 7.1 | 0 |  
 f | 7.3 | 4.64 | 11.94 | 11.93 | 11.94 | 00 | [[underline]]01[[/underline]] |  
 7.3 | 0 |  
 g | 7.6 | 4.66 | 12.26 | 12.34 | 12.30 | [[underline]]04[[/underline]] | 04  
 7.7 | -1 |  
 h | Too close to . . . | 12.95 | 12.95 | . | a | 8.3 | . |  
 k | 8.7 | 4.76 | 13.46 | 13.15 | 13.30 | 16 | [[underline]]15[[/underline]]  
 8.5 | +2 |  
 l | 9.0 | 4.76 | 13.76 | 13.56 | 13.66 | 10 | [[underline]]10[[/underline]] |  
 8.9 | +1 |  
 m | 9.5 | 4.80 | 14.30 | 13.96 | 14.13 | 17 | [[underline]]17[[/underline]]  
 9.3 | +2 |  
 63 | 5.0 | 4.60 | 9.60 | 9.40 | 9.50 | 10 | [[underline]]10[[/underline]] |  
 [[strikethrough]]F[[/strikethrough]]4.9 | +1 |  
 82 | 5.3 | 4.60 | 9.90 | 9.92 | 9.91 | [[underline]]01[[/underline]] | 01 |  
 [[strikethrough]]4.9[[/strikethrough]]5.4 | -1 |  
 7 = 144 | 5.5 | 4.60 | 10.10 | 9.93 | 10.02 | 08 |  
 [[underline]]09[[/underline]] | 5.5 | 0 |  
 [[strikethrough]]7[[/strikethrough]] | | | | | | | | 7-4 |  
 [[strikethrough]]1156[[/strikethrough]] | | | | | | | |  
 [[strikethrough]]5.9[[/strikethrough]] | | | | | | | | +02<sup>h</sup>[[13]] |  
 Mean +88°2 [[strikethrough]]1178[[/strikethrough]] | | | | | | | |  
 [[strikethrough]]5.3[[/strikethrough]] | | | | | | | | 6.5+8.5 | 6<sup>h</sup>[[2-2]]  
 |  
 [[strikethrough]]1211[[/strikethrough]] | | | | | | | |  
 [[strikethrough]]7.1[[/strikethrough]] | | | | | | | | 00 |  
 1277 | 5.5 | 4.60 | 10.10 | 10.03 | 10.06 | 04 |  
 [[underline]]03[[/underline]] | | | | | | | |  
 88° 2 | 4.3 | 4.60 | 8.90 | 8.69 | 8.80 | 10 | [[underline]]11[[/underline]]  
 |  
 8 = 100 | 5.7 | 4.60 | 10.30 | 10.46 | 10.38 |  
 [[underline]]08[[/underline]] | 08 | | | | | | | |  
 11 = 1229 | 4.9 | 4.60 | 9.50 | 9.51 | 9.50 | 00 | 01 | | |  
 [[strikethrough]]18[[/strikethrough]] | | | | | | | |  
 [[strikethrough]]11[[/strikethrough]] | | | | | | | |  
 {1156 | 4.1 | 4.60 | 8.70 | 8.39 | 8.54 | 16 | [[underline]]15[[/underline]]  
 |  
 Between Seq B+V {1178 | 5.0 | 4.60 | 9.60 | 9.40 | 9.50 | 10 |  
 [[underline]]10[[/underline]] | | | | | | | |  
 {1211 | 5.5 | 4.60 | 10.10 | 9.82 | 9.96 | 14 |  
 [[underline]]14[[/underline]] | | | | | | | |

34

Sequences Near N Pole

ScV Sept 22 1919

L 34974 Copied Bb 53.84

Seq B° + 88°

Seq	Sc1	Sc2	Cu.	Magn <sup>h</sup>	From page 32 <sup>h</sup>	Mean	Reading	89°	88°
a	5.7	4.60	10.30	10.35	10.32	[[underline]]02[[/underline]]	03		
b	6.0	4.60	10.60	10.46	10.53	07	[[underline]]07[[/underline]]		
c	6.5	4.60	11.10	11.18	11.14	[[underline]]04[[/underline]]	04		
d	6.7	4.61	11.31	11.29	11.30	01	[[underline]]01[[/underline]]		
e	7.1	4.63	11.73	11.72	11.72	01	00	7.1	0
f	7.3	4.64	11.94	11.93	11.94	00	[[underline]]01[[/underline]]		
g	7.6	4.66	12.26	12.34	12.30	[[underline]]04[[/underline]]	04		
h	Too close to . . .								
k	8.7	4.76	13.46	13.15	13.30	16	[[underline]]15[[/underline]]		
l	9.0	4.76	13.76	13.56	13.66	10	[[underline]]10[[/underline]]		
m	9.5	4.80	14.30	13.96	14.13	17	[[underline]]17[[/underline]]		
63	5.0	4.60	9.60	9.40	9.50	10	[[underline]]10[[/underline]]		
82	5.3	4.60	9.90	9.92	9.91	[[underline]]01[[/underline]]	01		
7 = 144	5.5	4.60	10.10	9.93	10.02	08			
[[underline]]09[[/underline]]	5.5	0							
[[strikethrough]]7[[/strikethrough]]							7-4		
[[strikethrough]]1156[[/strikethrough]]									
[[strikethrough]]5.9[[/strikethrough]]							+02 <sup>h</sup> [[13]]		
Mean +88°2	[[strikethrough]]1178[[/strikethrough]]								
[[strikethrough]]5.3[[/strikethrough]]							6.5+8.5	6 <sup>h</sup> [[2-2]]	
[[strikethrough]]1211[[/strikethrough]]									
[[strikethrough]]7.1[[/strikethrough]]								00	
1277	5.5	4.60	10.10	10.03	10.06	04			
[[underline]]03[[/underline]]									
88° 2	4.3	4.60	8.90	8.69	8.80	10	[[underline]]11[[/underline]]		
8 = 100	5.7	4.60	10.30	10.46	10.38				
[[underline]]08[[/underline]]						08			
11 = 1229	4.9	4.60	9.50	9.51	9.50	00	01		
[[strikethrough]]18[[/strikethrough]]									
[[strikethrough]]11[[/strikethrough]]									
{1156	4.1	4.60	8.70	8.39	8.54	16	[[underline]]15[[/underline]]		
Between Seq B+V	{1178	5.0	4.60	9.60	9.40	9.50	10		
[[underline]]10[[/underline]]									
{1211	5.5	4.60	10.10	9.82	9.96	14			
[[underline]]14[[/underline]]									

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35  
 Sequences Near N. Pole  
 ScV Sept 22, 1919  
 L 34974 Copied Bk 53;80  
 Seq A + 88  

	Sc1	Sc2	Cu <sup>[[P+90]]</sup>	Magn
a	5.9	4.55	10.45	
b	6.3	4.56	10.86	
c	6.5	4.58	11.08	
d	6.8 <sup>[[6.75]]</sup>	6.7	4.59	11. <del>[[4]]</del> 34
e	6.8	4.60	11.40	
f	7.2	4.62	11.82	
g	7.5 <sup>[[7.60]]</sup>	7.7	4.63	12.23
h	7.9	4.64	12.54	
k	8.3	4.65	12.95	
l	8.7	4.65	13.35	
m	9.3 <sup>[[9.40]]</sup>	9.5	4.65	14.08
n	ns	.	.	.
1266	4.8	4.50	9.30	

Seq A + 87°  
 Omitted by mistake  

a	
b	
c	
d	
e	
f	
g	
h	3:00
k	
l	
m	
1266	

35

Sequences Near N. Pole

Sept 22, 1919

L 34974

Seq A + 88

	Sc1	Sc2	Cu	Magn
a	5.9	4.55	10.45	
b	6.3	4.56	10.86	
c	6.5	4.58	11.08	
d	6.8 <sup>[[6.75]]</sup>	6.7	4.59	11. <del>[[4]]</del> 34
e	6.8	4.60	11.40	
f	7.2	4.62	11.82	
g	7.5 <sup>[[7.60]]</sup>	7.7	4.63	12.23
h	7.9	4.64	12.54	
k	8.3	4.65	12.95	
l	8.7	4.65	13.35	
m	9.3 <sup>[[9.40]]</sup>	9.5	4.65	14.08
n	ns	.	.	.
1266	4.8	4.50	9.30	

Seq A + 87°

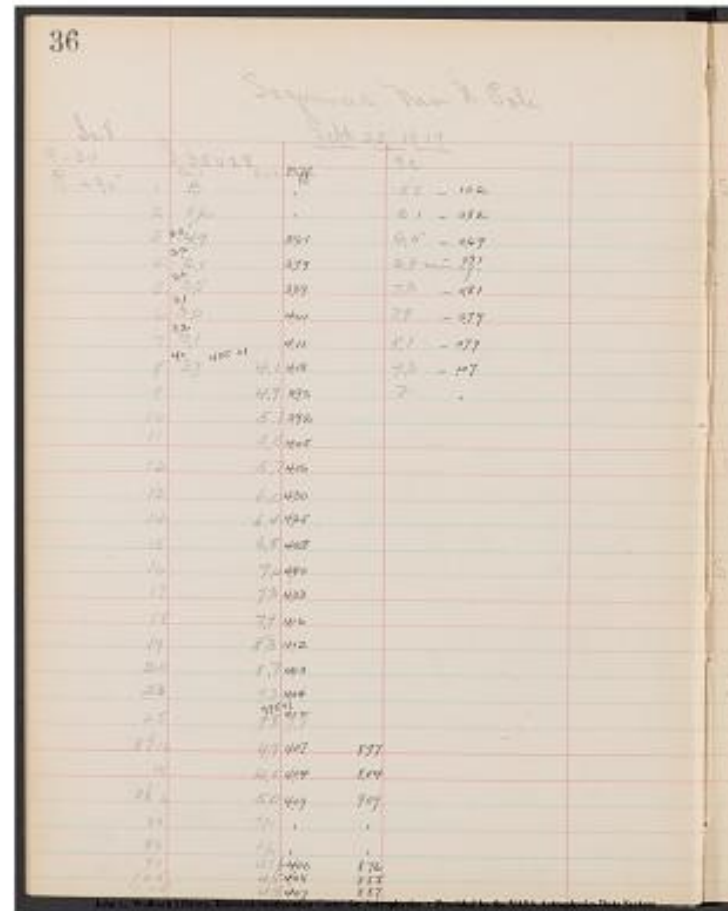
a	
b	
c	
d	
e	
f	
g	
h	3:00
k	
l	
m	
1266	

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36  
Sequences Near N Pole  
ScV Sept 25, 1919  
9-30 L 35028  
P + 90°

	Sc1	Sc2	Diff	PC
1	B	.	5.5 - 1.02	
2	tp	.	6.1 - 0.82	
3	<del>4</del>	<del>1.9</del>	<del>2.0</del>	3.81   6.5 - 0.69
4	2.1	2.2	3.79	6.9 near dif. - 0.91
5	2.5	2.6	3.89	7.3 - 0.81
6	3.0	3.1	4.01	7.9 - 0.79
7	3.1	3.2	4.11	8.1 - 0.79
8	4.0	3.9	4.0801	4.1   4.18   9.3 - 1.07
9	4.9	3.93	F.	
10	5.1	3.92		
11	5.5	4.05		
12	5.7	4.16		
13	6.0	4.30		
14	6.4	4.25		
15	6.8	4.28		
16	7.0	4.40		
17	7.3	4.33		
18	7.9	4.16		
19	8.3	4.12		
20	8.7	4.03		
23	9.3	4.04		
25	9.8	9.75 01	9.7   4.12	
87°12	4.9	4.07	8.97	
15	4.0	4.04	8.04	
88°2	5.0	4.09	9.09	
80	tp	.		
86	tp	.		
90	4.7	4.06	8.76	
105	4.5	4.08	8.55	
115	4.8	4.07	8.87	



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37

Sequences Near N Pole

ScV Sept 25, 1919

L 35028

Seq N +90°

Images very poor shape + hazy

Sc1 | Sc2 | Cu.<sup>^</sup>[[Pt 89°]] | Magn |

a	5.7	4.46	10.16
b	6.3	4.55	10.85
c	6.7	4.56	11.26
d	7.2	4.55	11.75
e	7.7	4.51	12.21
f	8.1	4.49	12.59
g	8.5	4.45	12.95
h	8.9	4.42	13.32
k	9.3	4.39	13.69
539	4.3	4.23	8.53
568	5.2	4.38	9.58
654	4.5	4.26	8.76
657	4.3	4.23	8.53

Seq M+90°

Cu.<sup>^</sup>[[P+88°]] | Magn |

a	5.1		
b	5.6		
c			
d			
e			
f			
g			
h			

Images too poor elongated + hazy {e | | | | }

539	4.1 p	4.29	8.39
657	4.3 p	4.35	8.65

over

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37

Sequences Near N Pole

ScV Sept 25, 1919

L 35028

Seq N +90°

Images very poor shape + hazy

Sc1 | Sc2 | Cu.<sup>^</sup>[[Pt 89°]] | Magn |

a	5.7	4.46	10.16
b	6.3	4.55	10.85
c	6.7	4.56	11.26
d	7.2	4.55	11.75
e	7.7	4.51	12.21
f	8.1	4.49	12.59
g	8.5	4.45	12.95
h	8.9	4.42	13.32
k	9.3	4.39	13.69
539	4.3	4.23	8.53
568	5.2	4.38	9.58
654	4.5	4.26	8.76
657	4.3	4.23	8.53

Seq M+90°

Cu.<sup>^</sup>[[P+88°]] | Magn |

a	5.1		
b	5.6		
c			
d			
e			
f			
g			
h			

Images too poor elongated + hazy {e | | | | }

539	4.1 p	4.29	8.39
657	4.3 p	4.35	8.65

over

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38  
Sequences Near N Pole  
Sc V Sept 25, 1919  
I35028 (cont)  
P+89°  
[[5 column table]]

	Sc 1	Sc 2	Diff	PC
1	tp		5.5-1.02	
2	tp		6.1-0.82	
3	1.9 <sup>h</sup> [2.0]	3.81	6.7-0.89	
4	2.1 <sup>h</sup> [2.2]	3.79	7.0-1.01	
5	2.5 <sup>h</sup> [2.6]	3.89	7.5-1.01	
6	2.9 <sup>h</sup> [3.0]	4.11	Sup. on br. object	
7	tp		8.0-0.69	8 4.0 4.23 8.9-0.67
9	4.7 4.13 9.7?-0.87			
10	4.9 <sup>h</sup> [[4.80 1]]	4.7 <sup>h</sup> [[4.22]]		
11	5.1 4.45			
12	5.5 4.36			
13	5.8 4.50			
14	6.1 4.55			
15	6.5 4.58			
16	6.7 4.70			
17	7.0 4.63			
18	7.7 4.36			
19	8.0 4.42			
20	8.3 4.43			
23	8.9 4.44			
25	9.5 4.37			
26	9.9 4.43			
87° 12'	4.9 4.33 9.23			
15'	4.1 4.20 8.30			
88° 2'	4.9 4.33 9.23			
80'	tp			
80'	tp			
90'	tp			
105'	4.3 4.24 8.54			
115'	4.7 4.30 9.00			

Faint-Polar Images  
poorly defined -hazy-  
115' |4.7|4.30|9.00|

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Sequences Near N Pole

Sept 25, 1919

I35028 (cont)

P+89°

[[5 column table]]

	Sc 1	Sc 2	Diff	PC
1	tp		5.5-1.02	
2	tp		6.1-0.82	
3	1.9 <sup>h</sup> [2.0]	3.81	6.7-0.89	
4	2.1 <sup>h</sup> [2.2]	3.79	7.0-1.01	
5	2.5 <sup>h</sup> [2.6]	3.89	7.5-1.01	
6	2.9 <sup>h</sup> [3.0]	4.11	Sup. on br. object	
7	tp		8.0-0.69	8 4.0 4.23 8.9-0.67
9	4.7 4.13 9.7?-0.87			
10	4.9 <sup>h</sup> [[4.80 1]]	4.7 <sup>h</sup> [[4.22]]		
11	5.1 4.45			
12	5.5 4.36			
13	5.8 4.50			
14	6.1 4.55			
15	6.5 4.58			
16	6.7 4.70			
17	7.0 4.63			
18	7.7 4.36			
19	8.0 4.42			
20	8.3 4.43			
23	8.9 4.44			
25	9.5 4.37			
26	9.9 4.43			
87° 12'	4.9 4.33 9.23			
15'	4.1 4.20 8.30			
88° 2'	4.9 4.33 9.23			
80'	tp			
80'	tp			
90'	tp			
105'	4.3 4.24 8.54			
115'	4.7 4.30 9.00			

Faint-Polar Images  
poorly defined -hazy-  
115' |4.7|4.30|9.00|

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39  
Sequences Near N Pole  
Copied BK 53:84  
Sc V Sept 25, 1919  
35028 (cont)

[[7 column table]]

Seq B+89° SC 1 SC 2 P+90° Cu | Magn | See page 41 | Mean

a	5.9 4.20 10.10 10.40 10.25	<u>15</u>	<u>15</u>
b	6.3 4.24 10.54 10.74 10.64	<u>10</u>	<u>10</u>
c	6.8 4.28 11.08 11.27 11.18	<u>10</u>	<u>09</u>
d	6.9 4.29 11.19 11.17 11.18	<u>01</u>	<u>01</u>
e	7.3 4.28 11.58 11.84 11.71	<u>13</u>	<u>13</u>
f	7.5 4.25 11.75 12.03 11.89	<u>14</u>	<u>14</u>
g	8.0 4.18 12.18 12.40 12.29	<u>11</u>	<u>11</u>
h	8.9 4.08 12.98 13.14 13.06	<u>08</u>	<u>08</u>
k	9.0 4.07 13.07 13.41 13.24	<u>17</u>	<u>17</u>
l	9.5 4.02 13.52 13.86 13.69	<u>17</u>	<u>17</u>
m	9.8 3.98 13.78 14.11 13.94	<u>16</u>	<u>17</u>
63	5.1 4.09 9.19 9.35 9.27	<u>08</u>	<u>08</u>
82	5.4 4.12 9.52 9.92 9.72	<u>20</u>	<u>20</u>
144	5.5 4.14 9.64 9.70 9.67	<u>03</u>	<u>03</u>
1156	4.5 4.05 8.55 8.53 8.54	<u>01</u>	<u>01</u>
1178	5.5 4.14 9.64 9.70 9.67	<u>03</u>	<u>03</u>
1211	5.5 4.14 9.64 9.93 9.78	<u>14</u>	<u>15</u>
1277	5.5 4.14 9.64 9.93 9.78	<u>14</u>	<u>15</u>
88°2	4.7 4.06 8.76 8.53 8.64	<u>12</u>	<u>11</u>
8	5.8 4.18 9.98 10.16 10.07	<u>09</u>	<u>09</u>
11	5.1 4.09 9.19 9.34 9.26	<u>07</u>	<u>08</u>

^[[guer]]

39

Sequences Near N Pole

2000-2014

Magn. See page 41

but

Seq B+89°

Seq	B+89°	SC 1	SC 2	P+90°	Cu	Magn	See page 41	Mean
a	5.9	4.20	10.10	10.40	10.25	15	15	
b	6.3	4.24	10.54	10.74	10.64	10	10	
c	6.8	4.28	11.08	11.27	11.18	10	09	
d	6.9	4.29	11.19	11.17	11.18	01	01	
e	7.3	4.28	11.58	11.84	11.71	13	13	
f	7.5	4.25	11.75	12.03	11.89	14	14	
g	8.0	4.18	12.18	12.40	12.29	11	11	
h	8.9	4.08	12.98	13.14	13.06	08	08	
k	9.0	4.07	13.07	13.41	13.24	17	17	
l	9.5	4.02	13.52	13.86	13.69	17	17	
m	9.8	3.98	13.78	14.11	13.94	16	17	
63	5.1	4.09	9.19	9.35	9.27	08	08	
82	5.4	4.12	9.52	9.92	9.72	20	20	
144	5.5	4.14	9.64	9.70	9.67	03	03	
1156	4.5	4.05	8.55	8.53	8.54	01	01	
1178	5.5	4.14	9.64	9.70	9.67	03	03	
1211	5.5	4.14	9.64	9.93	9.78	14	15	
1277	5.5	4.14	9.64	9.93	9.78	14	15	
88°2	4.7	4.06	8.76	8.53	8.64	12	11	
8	5.8	4.18	9.98	10.16	10.07	09	09	
11	5.1	4.09	9.19	9.34	9.26	07	08	

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40  
Sequences Near N Pole  
Sc v Sept 25, 1919  
I 35028(cont)

P+88°  
[[4 column table]]  
---|---|---|---|  
| Sc 1 | Sc 2 | Pc |  
1|tn|.15.3-0.82|  
2|tn|.16.0-0.72|  
3|1.9 1.8|3.91|6.7-0.89|  
4|tn|.16.8-0.81|  
5|2.6 2.5|3.89|7.3-0.81|  
6|tn|.17.7-0.59|  
7|tn|.17.9-0.59|  
8|3.9 3.8 3.9 00 3.9|4.33|8.9-0.67|  
9|4.5|4.33|9.8-0.97|  
10|4.5|4.52| |  
11| | | | |  
12| | | | |  
Images |13| | | |  
too poor |14| | | |  
elongated |15| | | |  
+ hazy |16| | | |  
17| | | | |  
18| | | | |  
87 |12|4.8| | |  
15|4.0|4.26 8.26| |  
88 |2|4.5|4.42 8.92| |  
80|tn|' | | |  
86|tn|' | | |  
90|tn|' | | |  
105|tn|' | | |  
115|4.4|4.39 8.79| |

40

Sequences Near N Pole  
Sept 25, 1919

Sc 1	Sc 2	Pc
1 tn .15.3-0.82		
2 tn .16.0-0.72		
3 1.9 1.8 3.91 6.7-0.89		
4 tn .16.8-0.81		
5 2.6 2.5 3.89 7.3-0.81		
6 tn .17.7-0.59		
7 tn .17.9-0.59		
8 3.9 3.8 3.9 00 3.9 4.33 8.9-0.67		
9 4.5 4.33 9.8-0.97		
10 4.5 4.52		
11		
12		
Images  13		
too poor  14		
elongated  15		
+ hazy  16		
17		
18		
87  12 4.8		
15 4.0 4.26 8.26		
88  2 4.5 4.42 8.92		
80 tn '		
86 tn '		
90 tn '		
105 tn '		
115 4.4 4.39 8.79		

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#62  
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41

Sequences Near N Pole

Sc v Sept 25, 1919

I 35028(count)

Seq B + 88°

[[7 column table]]

	Sc1	Sc2	P+89	B+89° p. 39   88°-89°
a	5.9	4.50	10.40	5.9   0
b	6.2	4.54	10.74	6.3   -1
c	6.7	4.57	11.27	6.8   -1
d	6.6	4.57	11.17	6.9   -3
e	7.3	4.54	11.84	7.3   0
f	7.5	4.53	12.03	7.5   0
g	7.9	4.50	12.40	8.0   -1
h	8.7	4.44	13.14	8.9   -2
k	9.0	4.41	13.41	9.0   0
l	9.5	4.36	13.86	9.5   0
m	9.8	4.31	14.11	9.8   0
63	5.1 <sup>^</sup> [5.00]	4.9 <sup>^</sup> [4.35]	9.35	5.1   0
82	5.5	4.43	9.93	5.1   +1
144	5.3	4.40	9.70	5.5   -2
1156	4.3	4.23	8.53	4.5   -2
1178	5.3	4.40	8.53	4.5   -2
1211	5.5	4.43	9.93	5.5   0
1277	5.5	4.43	9.93	5.5   0
88° 2	4.3	4.23	8.53	4.7   -4
8	5.7	4.46	10.16	5.8   -1
11	5.0	4.34	9.34	5.1   -1

(to g)

B is fainter on Exp. 88° than on Exp. 89° by .14

41

Sequences Near N Pole

Sept 25, 1919

Seq B + 88°

	Sc1	Sc2	P+89	B+89° p. 39   88°-89°
a	5.9	4.50	10.40	5.9   0
b	6.2	4.54	10.74	6.3   -1
c	6.7	4.57	11.27	6.8   -1
d	6.6	4.57	11.17	6.9   -3
e	7.3	4.54	11.84	7.3   0
f	7.5	4.53	12.03	7.5   0
g	7.9	4.50	12.40	8.0   -1
h	8.7	4.44	13.14	8.9   -2
k	9.0	4.41	13.41	9.0   0
l	9.5	4.36	13.86	9.5   0
m	9.8	4.31	14.11	9.8   0
63	5.1 <sup>^</sup> [5.00]	4.9 <sup>^</sup> [4.35]	9.35	5.1   0
82	5.5	4.43	9.93	5.1   +1
144	5.3	4.40	9.70	5.5   -2
1156	4.3	4.23	8.53	4.5   -2
1178	5.3	4.40	8.53	4.5   -2
1211	5.5	4.43	9.93	5.5   0
1277	5.5	4.43	9.93	5.5   0
88° 2	4.3	4.23	8.53	4.7   -4
8	5.7	4.46	10.16	5.8   -1
11	5.0	4.34	9.34	5.1   -1

1-80  
21  
-10  
-2  
-14  
6.565  
6.57  
-14

B is fainter on Exp. 88° than on Exp. 89° by .14

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Sequences Near N Pole  
ScV Sept 25, 1919  
L 35028 cont

[[Left Margin]] Ft st; supr. [[/Left Margin]]

[[7 column table]]

Seq A +88° | Sc 1 | Sc 2 | P+90° | Cu | Copied  
Bk 53:80 | See below | Mean

a	6.0	4.21	10.21	10.40	10.30	<u>09</u>
b	6.3	4.24	10.54	10.64	10.59	<u>05</u>
c	6.5	4.26	10.76	10.76	<u>@</u>	<u>.</u>
d	6.7	4.28	10.98	11.07	11.02	<u>04</u>
e	7.0	4.29	11.29	11.37	11.33	<u>04</u>
f	7.1	4.29	11.39	11.56	11.48	<u>09</u>
g	7.7	4.23	11.93	12.12	12.02	<u>09</u>
h	8.1	4.17	12.27	12.27	a	<u>.</u>
k	8.5	4.12	12.62	12.78	12.70	<u>08</u>
l	8.7	4.10	12.80	12.86	12.83	<u>03</u>
m	9.5	4.00	13.50	13.55	13.52	<u>02</u>
1266	5.0	4.08	9.08	9.00	9.04	<u>04</u>

[[/7 Column Table]]

[[5 column table]]

Seq A +87° | Sc1 | Sc2 | P+ 89° | Cu | Copied  
Bk 53:80 Magn |

a	5.9	4.50	10.40
b	6.1	4.54	10.64
c	.	.	.
d	6.5	4.57	11.07
e	6.8	4.57	11.37
f	7.0	4.56	11.56
g	7.7 <sup>^</sup>	<u>7.60</u>	<u>1</u>
h	+/-	.	.
k	8.3	4.48	12.78
l	8.3 <sup>^</sup>	<u>8.40</u>	<u>1</u>
m	9.3	4.25	13.55
1266	4.7	4.30	9.00

[[/5 Column Table]]

[[right margin]] 12:50 [[/right margin]]

[[Note]] Images +87° very poor

42

Sequences Near N Pole

Seq A +88° | Sc 1 | Sc 2 | P+90° | Cu | Copied  
Bk 53:80 | See below | Mean

a	6.0	4.21	10.21	10.40	10.30	<u>09</u>
b	6.3	4.24	10.54	10.64	10.59	<u>05</u>
c	6.5	4.26	10.76	10.76	<u>@</u>	<u>.</u>
d	6.7	4.28	10.98	11.07	11.02	<u>04</u>
e	7.0	4.29	11.29	11.37	11.33	<u>04</u>
f	7.1	4.29	11.39	11.56	11.48	<u>09</u>
g	7.7	4.23	11.93	12.12	12.02	<u>09</u>
h	8.1	4.17	12.27	12.27	a	<u>.</u>
k	8.5	4.12	12.62	12.78	12.70	<u>08</u>
l	8.7	4.10	12.80	12.86	12.83	<u>03</u>
m	9.5	4.00	13.50	13.55	13.52	<u>02</u>
1266	5.0	4.08	9.08	9.00	9.04	<u>04</u>

[[/7 Column Table]]

[[5 column table]]

Seq A +87° | Sc1 | Sc2 | P+ 89° | Cu | Copied  
Bk 53:80 Magn |

a	5.9	4.50	10.40
b	6.1	4.54	10.64
c	.	.	.
d	6.5	4.57	11.07
e	6.8	4.57	11.37
f	7.0	4.56	11.56
g	7.7 <sup>^</sup>	<u>7.60</u>	<u>1</u>
h	+/-	.	.
k	8.3	4.48	12.78
l	8.3 <sup>^</sup>	<u>8.40</u>	<u>1</u>
m	9.3	4.25	13.55
1266	4.7	4.30	9.00

[[/5 Column Table]]

[[right margin]] 12:50 [[/right margin]]

[[Note]] Images +87° very poor

elongated and hazy -[[/Note]]

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#62  
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43  
 9-25 Sequences Near N Pole  
 Sc V Sept 26, 1919  
 P+90°  
 I 35043  
 [[5 column table]]  
 |sc 1|sc 2|Diff|PC  
 1|tp| |.5.9 5.7-1.32|  
 5.80  
 2|tp| |.tp-|  
 3|tp| |.6.7-0.89|  
 4|2.4^2.5| |3.49| 7.0 | - |1.01|  
 5|2.5^2.6| |3.89| 7.5 | - |1.01|  
 6|3.1^3.2| |3.91| 8.0 | - |0.89|  
 7|3.0^3.1| |3.20| 3.2^3.3^11| |4.11| 8.2 | - |0.89|  
 8|3.8^3.9| 3.90 00|3.9|4.33|9.1 | - |0.97|  
 9| |4.5|4.33|9.8| - |0.97|  
 10| |4.8|4.22| |  
 11| |5.3|4.25| |  
 12| |5.7|4.16| |  
 13| |6.0|4.30| |  
 14| |6.4|4.25| |  
 15| |6.7|4.38| |  
 16| |7.1|4.30| |  
 17| |7.5|4.13| |  
 18| |8.0|4.06| |  
 19| |8.3|4.12| |  
 20| |8.5|4.23| |  
 23| |9.1|4.24| |  
 87° 12| |4.3| 4.30 | 8.60 |  
 15^36| 3.5^3.65 01| |3.7| 4.22 | 7.92 |  
 88° 2| |4.5| 4.30 | 8.60 |  
 80| |4.3| 4.30 | 8.60 |  
 86| |4.1| 4.30 | 8.40 |  
 90| |5.3| 4.28 | 9.58 |  
 105| |4.8| 4.30 | 9.10 |  
 115| |5.1| 4.29 | 9.39 |

43

9-25 Sequences Near N Pole  
 Sc V Sept 26, 1919

sc 1	sc 2	Diff	PC
1	tp	.5.9 5.7-1.32	5.80
2	tp	.tp-	
3	tp	.6.7-0.89	
4	2.4^2.5	3.49 7.0 - 1.01	
5	2.5^2.6	3.89 7.5 - 1.01	
6	3.1^3.2	3.91 8.0 - 0.89	
7	3.0^3.1	3.20 3.2^3.3^11 4.11 8.2 - 0.89	
8	3.8^3.9	3.90 00 3.9 4.33 9.1 - 0.97	
9		4.5 4.33 9.8 - 0.97	
10		4.8 4.22	
11		5.3 4.25	
12		5.7 4.16	
13		6.0 4.30	
14		6.4 4.25	
15		6.7 4.38	
16		7.1 4.30	
17		7.5 4.13	
18		8.0 4.06	
19		8.3 4.12	
20		8.5 4.23	
23		9.1 4.24	
87° 12		4.3 4.30 8.60	
15^36		3.5^3.65 01 3.7 4.22 7.92	
88° 2		4.5 4.30 8.60	
80		4.3 4.30 8.60	
86		4.1 4.30 8.40	
90		5.3 4.28 9.58	
105		4.8 4.30 9.10	
115		5.1 4.29 9.39	

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Sequences near N Pole

ScV Sept 26, 1919 ^[[Cupid Bb 53', 104]] [[?]]

I35043 (cont)

[[7-column table]]

Seq G+90°|Sc1 Sc2|[[underline]]P+89°|[[underline]] Cu|Copied [[Bls?]]

53; 104 Magn|[[underline]]From page 46|[[underline]]|Mean|

[[sidebar]]Images poor elongated|[[/sidebar]]

-----|

a| 5.3|4.29|9.59|9.86|9.72 |[[underline]]13|[[underline]] 14|

b| 6.0|4.34|10.34|10.45|10.40 |[[underline]]06|[[underline]] 05|

c| 6.601|[[underline]]1|[[/underline]] 6.7|4.35 6.5|10.95|10.94|10.94 01

00|

d| 6.7|4.35|11.05|11.03|11.04 01 |[[underline]]01|[[/underline]]

e| 6.9|4.34|11.24|11.22|11.23 01 |[[underline]]01|[[/underline]]

f| 7.3|4.34|11.64|11.73|11.68 |[[underline]]04|[[/underline]] 05|

g| 7.7|4.32|12.02| | |

h| 8.3|4.29|12.59| | |

k| 8.8|4.24|13.04| | |

l| 9.3|4.17|13.47| | |

m| Ins| | | |

260=13| 5.7|4.32|10.02|10.26|10.14 |[[underline]]12|[[/underline]] 12|

323| 5.2|4.29|9.49|9.67|9.58

|[[underline]]09|[[/underline]] 09|

326| 6.1|4.35|10.45|10.74|10.60 |[[underline]]15|[[underline]] 14|

|[[/table]]

[[5-column table]]

Seq. F+90°| | | |

[[sidebar]]Images very poor - badly elongated - [[?]]|[[/sidebar]]

a| ?|[[underline]]P+88°|[[underline]] Cu|Copied [[Bls?]] 53; 100 Magn|

b| 5.7|4.75|10.45|

c| 6.0|4.74|10.74|

d| 6.3|4.73|11.03|

e| 6.7|4.70|11.40|

f| 6.9|4.66|11.56|

g| 7.5| | |

h| 7.7| | |

k| Leo close to [[?]]| | |

l| | | |

m| 8.7| | |

n| 8.9| | |

o| 9.3|[[D?]]| | |

326| 6.1|4.74|1|~~1~~|~~1~~|0.84|

346| 4.8|4.78|9.58|

398| 4.0|4.84|8.84|

|[[/table]]

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45  
Sequences Near N Pole  
Sept 26, 1919  
L 35043 (cont)

[[7 Columned Table]]

P + 89°	Sc1	Sc2	Diff	PC
1	1.9 <sup>A</sup> [2.0]		2.48	5.9 - 1.42
2	tp		6.3 - 1.02	
3	tp		6.9 - 1.09	
4	2.5 <sup>A</sup> [2.6]		3.39	7.1 - 1.11
5	2.5 <sup>A</sup> [2.6]		3.89	7.5 - 1.01
6	3.0 <sup>A</sup> [3.1]		4.01	7.9 - 0.79
7	tp		8.1 - 0.79	
8	tp		9.0 - 0.77	
9	tp		9.8 - 0.97	
10	4.7	4.32		
11	5.3	4.25		
12	5.5	4.36		
13	6.0	4.30		
14	6.3	4.35		
15	6.7	4.38		
16	7.1	4.30		
17	7.4	4.23		
18	8.0	4.06		
19	8.2	4.22		
20	8.5	4.25		
23	9.0	4.34		
25	9.8	4.07		
87° 12'	4.1	4.17	8.27	
15	3.4	4.06	7.46	
88° 2'	4.3	4.20	8.50	
80	4.5	4.22	8.72	
86	4.1	4.17	8.27	
90	5.3	4.30	9.60	
105	4.9	4.25	9.15	
115	5.1	4.28	9.38	

[[/Columned Table]]

[[Note]] over [[/Note]]

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45

Sequences Near N Pole  
Sept 26, 1919

Sc1 Sc2 Diff PC

1	1.9 <sup>A</sup>		2.48	5.9 - 1.42
2	tp		6.3 - 1.02	
3	tp		6.9 - 1.09	
4	2.5 <sup>A</sup>		3.39	7.1 - 1.11
5	2.5 <sup>A</sup>		3.89	7.5 - 1.01
6	3.0 <sup>A</sup>		4.01	7.9 - 0.79
7	tp		8.1 - 0.79	
8	tp		9.0 - 0.77	
9	tp		9.8 - 0.97	
10	4.7	4.32		
11	5.3	4.25		
12	5.5	4.36		
13	6.0	4.30		
14	6.3	4.35		
15	6.7	4.38		
16	7.1	4.30		
17	7.4	4.23		
18	8.0	4.06		
19	8.2	4.22		
20	8.5	4.25		
23	9.0	4.34		
25	9.8	4.07		
87° 12'	4.1	4.17	8.27	
15	3.4	4.06	7.46	
88° 2'	4.3	4.20	8.50	
80	4.5	4.22	8.72	
86	4.1	4.17	8.27	
90	5.3	4.30	9.60	
105	4.9	4.25	9.15	
115	5.1	4.28	9.38	

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## Sequences Near N Pole

ScV Sept 26, 1919  
L 35043 (cont)

Seq. G + 89°

Images very poor - elongated - not comp with scale

[[5 Columned Table]]

Sc1 | Sc2 | Cu<sup>+</sup> | P+88° |  
Magn<sup>+</sup> | Seen 44 | Copied BK 53;104 |

a	5.1	4.76	9.86
b	5.7	4.75	10.45
c	6.2	4.74	10.94
d	6.3	4.73	11.03
e	6.5	4.72	11.22
f	7.1	4.63	11.73
g	7.5		
h	8.0		
k	defective		
tn			
260	5.5	4.76	10.26
323	4.9	4.77	9.67
326	6.0	4.74	10.74

Seq J +89°

[[7 Columned Table]]

Sc1 | Sc2 | Cu<sup>+</sup> | P+90° | Sup  
46<sup>+</sup> | Copied BK 53;152 |

a	5.5	4.27	9.77
[[ <del>no star marked?</del> ]] b			
	5.9	4.26	10.16
c	6.6 <sup>+</sup>	4.45	10.70
[[ <del>no star marked?</del> ]] d			
	6.7	4.24	10.74
e	6.7	4.24	10.94
f	7.0	4.23	11.23
g	7.3	4.22	11.52
894	5.4	4.21	11.71
949	5.1	4.20	12.00
88°	105	5.0	8.3
		4.18	12.48
4.27 <sup>+</sup>	[Cu]	9.67 <sup>+</sup>	[Magn]
	m	8.7	4.16
		12.86	
4.29	9.39	n	9.1
		4.14	13.24
4.29	9.29	o	9.5
		4.12	13.62

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## Sequences Near N Pole

ScV Sept 26, 1919

L 35043 (Cont)

[[Left Margin]] Images too poor to meas. reject? [[/Left Margin]]

[[7 Columned Table]]

	Sc1	Sc2	Diff	PC
P+88°	1	1.5	1.4	5.9 -1.42
2	tp			6.3 -1.02
3	tp			tp .
4	2.5	2.4		3.49   7.3^[[7.20 7.1]] -1.21
5	tp			7.5 -1.01
6	tp			8.0 -0.89
7	tp			8.1 -0.79
8	tp			8.9 -0.67
9	tp			9.5 -0.67
10	4.1	4.92		
11	4.8	4.75		
12	5.2	4.66		
13	5.5	4.80		
14	5.9	4.75		
15	6.3	4.78		
16	6.7	4.70		
17	7.0	4.63		
18	sup			
19	sup?			
20	tp			
23	tp			
25	tp			
87°	12	tp		
15	tp			
88°	2	tp		
80	4.3	4.81	9.11	
86	4.5	4.79	9.29	
90	5.0	4.76	9.76	
105	4.5	4.79	9.29	
115	4.7	4.78	9.48	

[[/Columned Table]]

[[Right Margin]] Over [[/Right Margin]]

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Sequences Near N Pole  
 ScV Sept 26, 1919

	Sc1	Sc2	Diff	PC
P+88°	1	1.5	1.4	5.9 -1.42
2	tp			6.3 -1.02
3	tp			tp .
4	2.5	2.4		3.49   7.3^[[7.20 7.1]] -1.21
5	tp			7.5 -1.01
6	tp			8.0 -0.89
7	tp			8.1 -0.79
8	tp			8.9 -0.67
9	tp			9.5 -0.67
10	4.1	4.92		
11	4.8	4.75		
12	5.2	4.66		
13	5.5	4.80		
14	5.9	4.75		
15	6.3	4.78		
16	6.7	4.70		
17	7.0	4.63		
18	sup			
19	sup?			
20	tp			
23	tp			
25	tp			
87°	12	tp		
15	tp			
88°	2	tp		
80	4.3	4.81	9.11	
86	4.5	4.79	9.29	
90	5.0	4.76	9.76	
105	4.5	4.79	9.29	
115	4.7	4.78	9.48	

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 #62

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48

Sequences Near N Pole

Sc V Sept 26, 1919

[[note]]Copy Bbk53: 152 [[/note]]

1 35043 (cont)

[[left margin]] Seq +88° [[/left margin]]

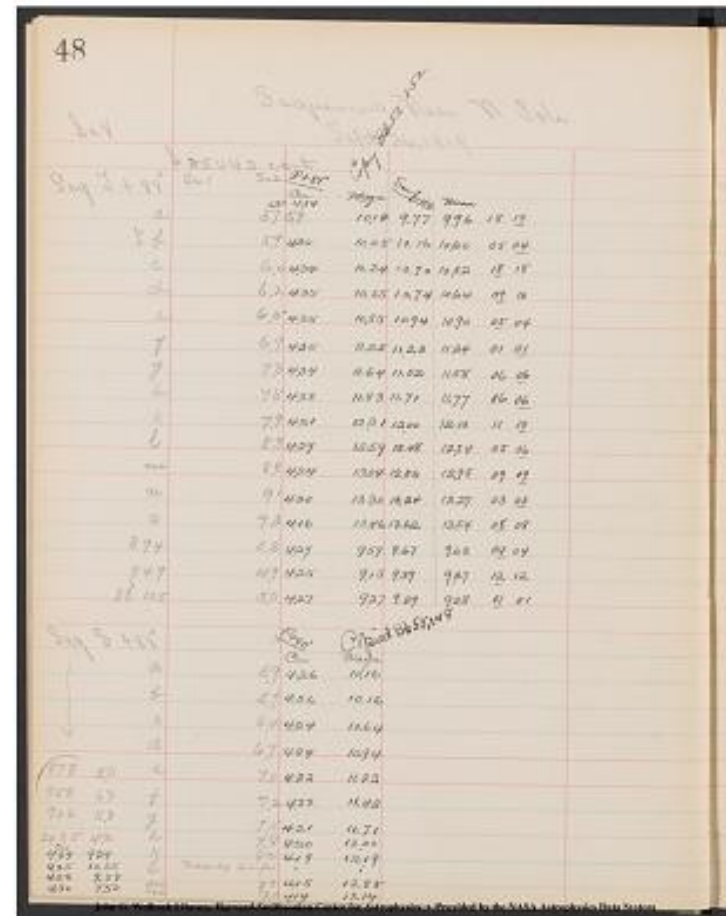
[[7 column table]]

	Sc 1	Sc 2	P +89° Cu.	Magn.	See p. 46	Mean
a	5.7	5.80	5.9	4.34	10.14	9.77   9.96   18
b	5.9	4.35	10.14	9.77	9.96	18
c	6.0	4.34	10.34	10.70	10.52	18
d	6.2	4.35	10.55	10.74	10.64	09
e	6.5	4.35	10.85	10.94	10.90	05
f	6.9	4.35	11.25	11.23	11.24	01
g	7.3	4.34	11.64	11.52	11.58	06
h	7.5	4.33	11.83	11.71	11.77	06
k	7.9	4.31	12.21	12.00	12.10	11
l	8.3	4.29	12.59	12.48	12.54	05
m	8.8	4.24	13.04	12.86	12.95	09
n	9.1	4.20	13.30	13.24	13.27	03
o	9.3	4.16	13.46	13.62	13.54	08
894	5.3	4.29	9.59	9.67	9.63	04
949	4.9	4.25	9.15	9.39	9.27	12
88° 105	5.0	4.27	9.27	9.29	9.28	01

Seq S (delta?) Copied Bk 53; 148

[[5 column table]]

	Sc 1	Sc 2	P+90° Cu.	Magn.
a	5.9	4.26	10.16	
b	5.9	4.26	10.16	
c	6.4	4.24	10.64	
d	6.7	4.24	10.94	
e	7.0	4.22	11.22	
f	7.2	4.22	11.42	
g	7.5	4.21	11.71	
h	7.8	4.20	12.00	
k	8.0	4.19	12.19	
l	early sup.			
m	8.7	4.15	12.85	
n	9.0	4.14	13.14	
878	5.0	4.29	9.20	
958	6.3	4.25	10.55	
966	5.3	4.28	9.58	
2035	4.2	4.30	8.50	



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Sequences Near N Pole

Sc V Sept 26, 1919

Copied Bk 53. 148

L 35043 count

[[5 Columned Table]]

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

| Seq S +87 | Sc1 Sc2 | P+89 Cu magne | Seep 48 | Mean |

a | 5.5 | 4.31 9.81 | 10.16 | 9.98 17 18 |

b | 5.7 | 4.32 10.02 | 10.16 | 10.09 07 07 |

c | 6.5 | 4.36 10.86 | 10.64 | 10.75 11 11 |

d | 6.7 | 4.35 11.05 | 10.94 | 11.00 05 06 |

e | 7.1 | 4.34 11.44 | 11.22 | 11.33 11 11 |

f | 7.3 | 4.34 11.64 | 11.42 | 11.53 11 11 |

g | Suh | . | 11.71 | 11.71 . a |

h | 8.0 | 4.30 12.30 | 12.00 | 12.15 15 15 |

k | 8.1 | 4.29 12.39 | 12.19 | 12.29 10 10 |

l | 8.3 | 4.29 12.59 | . | 12.59 | a . |

m | 8.5 | 4.27 h 12.77 | 12.85 | 12.81 04 04 |

n | 8.9 8.95 10 | qp 4.22

13.17 | 13.14 | 13.16 01 02 |

| ~~[[strike through]]~~ o ~~[[strike through]]~~ | ~~[[strike through]]~~ 9 ~~[[strike through]]~~  
through]] | | |

878 | 4.9 | 4.26 9.16 | 9.29 | 9.22 06 07 |

958 | 63 | 4.35 10.65 | 10.55 | 10.60 05 05 |

966 | 5.1 | 4.28 9.38 | 9.58 | 9.48 10 10 |

2035 | 4.0 | 4.15 8.15 | 8.50 | 8.32 17 18 |

| | | 1:00 |

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49

Sequences Near N Pole

Sc V Sept 26, 1919

Copied Bk 53. 148

L 35043 count

[[5 Columned Table]]

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

Seq	S +87	Sc1	Sc2	P+89	Cu	magne	Seep	48	Mean
a	5.5	4.31	9.81	10.16	9.98	17	18		
b	5.7	4.32	10.02	10.16	10.09	07	07		
c	6.5	4.36	10.86	10.64	10.75	11	11		
d	6.7	4.35	11.05	10.94	11.00	05	06		
e	7.1	4.34	11.44	11.22	11.33	11	11		
f	7.3	4.34	11.64	11.42	11.53	11	11		
g	Suh	.	11.71	11.71	.	a			
h	8.0	4.30	12.30	12.00	12.15	15	15		
k	8.1	4.29	12.39	12.19	12.29	10	10		
l	8.3	4.29	12.59	.	12.59	a	.		
m	8.5	4.27	h 12.77	12.85	12.81	04	04		
n	8.9	8.95	10	qp 4.22					
	13.17	13.14	13.16	01	02				
	<del>[[strike through]]</del>	<del>[[strike through]]</del>	<del>[[strike through]]</del>	<del>[[strike through]]</del>	<del>[[strike through]]</del>	<del>[[strike through]]</del>	<del>[[strike through]]</del>	<del>[[strike through]]</del>	<del>[[strike through]]</del>
	878	4.9	4.26	9.16	9.29	9.22	06	07	
	958	63	4.35	10.65	10.55	10.60	05	05	
	966	5.1	4.28	9.38	9.58	9.48	10	10	
	2035	4.0	4.15	8.15	8.50	8.32	17	18	
									1:00

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50  
 11:30  
 Sequences Near N Pole  
 Scv Sept 27, 1919  
 P+90° L35044 Pc  
 [[4 Columned Table]]  
 ---|---|---|---

	Sc1	Sc2	Diff	
1	+ h	.	5.5 - 1.02	
2	Tou neu edge	.	6.3 - 1.02	
3	J.P	.	7.0 - 1.19	
4	2.2	2.1 2.4 2.3 2.30 11	3.69	7.2 - 1.21
5	3.0	2.9 3.50 11	3.49	.
6	3.6	3.5 3.4 3.3	3.61	7.0 - 0.79
7	3.6	3.5 3.71	8.1 - 0.79	
8	4.4	4.3 4.45 01	4.5	3.78   9.1 - 0.87
9	4.9	3.93	9.1 - 0.87	
10	5.1	3.92		
11	5.5	405		
12	5.8	4.06		
13	6.2	4.10		
14	6.5	4.15		
15	7.1	3.98		
16	7.5	3.90		
17	7.7	7.60,, 7.5	4.03	
18	8.1	3.96		
19	8.3	4.12		
20	8.5	4.23		
23	9.1	4.24		
25	9.8	4.07		
87 + 12	4.5	3.82	8.32	
15	3.9	3.71	7.61	
88 2	5.0	3.92	8.92	
80	4.5	3.82	8.32	
86	4.3	3.79	8.09	
90	5.3	3.99	9.29	
105	5.1	3.94	9.04	
115	5.3	3.99	9.29	

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51

Sequences Near N. Pole

Sc V Sept. 27, 1919 Copied Bk. 53; 104

Seq G +90° I 35044

[[5 column table]]

Sc 1 | Sc 2 | P+89° Cu. | Magn.

a	5.8	4.04	9.84
b	6.2	4.00	10.20
c	6.9	3.95	10.85
d	7.0	3.94	10.94
e	7.3	3.93	11.23
f	7.5	3.90	11.40
g	8.0	3.89	11.89
h	8.3	3.88	12.18
k	8.7	3.84	12.54
l	9.2	3.83	13.03
m	9.7	3.81	<u>13.51</u>
260	6.0	4.02	10.02
323	defective		
326	6.3	4.00	10.30

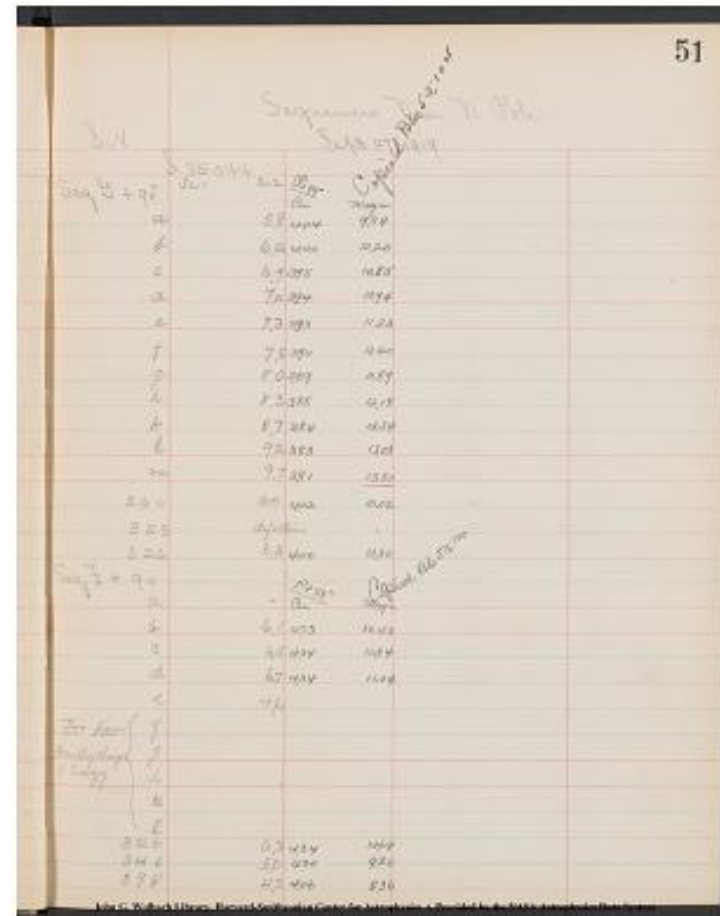
Seq F +90 Copied Bk 53: 100

[[5 column table]]

Sc 1 | Sc 2 | P+88° Cu. | Magn.

a			
b	6.1	4.33	10.43
c	6.5	4.34	10.84
d	6.7	4.34	11.04
e	tp		
f			
g			
h			
k			
l			
326	6.3	4.34	10.64
346	5.0	4.20	9.20
398	4.3	4.06	8.36

[[margin]] Too poor badly elong. & hazy [[/margin]]



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52

Sequences Near N Pole

ScV Sept 27, 1919

P + 89° L 35044

	Sc1	Sc2	PC
1	1.3 <sup>^</sup> [[1.4]]		3.18   5.7 _ 1.22
2	tp		6.2 _ 0.92
3	tp		6.7 _ 0.89
4	2.5 <sup>^</sup> [[2.6]]		3.39   6.9 _ 0.91
5	3.0 <sup>^</sup> [[3.1]]		<del>2.9</del> 3.39   7.5 _ 1.01

6	3.4 <sup>^</sup> [[3.5]]		3.61   8.0 _ 0.89
7	tp		8.3 _ 0.99
8	<sup>^</sup> [[4.0]] 3.9 <sup>^</sup> [[4.0000]]		4.0   4.23   8.9 _ 0.67
9	4.6   4.23	F.	
10	4.9   4.12		
11	5.5   4.05		
12	5.9   3.96		
13	6.3   4.00		
14	6.7   3.95		
15	7.0   4.08		
16	7.4   4.00		
17	7.7   3.93		
18	8.3   3.76		
19	8.6   3.82		
20	8.9   3.83		
23	9.5   <del>4</del> 3.84		

87° 12' | tp | . | . |

15 | th | . | . |

88° 2' | 4.9 | 4.15 | 9.05 |

80 | 4.7 | 4.18 | 8.88 |

86 | 4.5 | 4.20 | 8.70 |

90 | 5.7 | 4.05 | 9.75 |

105 | 5.3 | 4.10 | 9.40 |

115 | 5.5 | 4.07 | 9.57 |

52

Sequences Near N Pole

Sept 27, 1919

89° 12' L 35044

	Sc1	Sc2	PC
1	1.3 <sup>^</sup> [[1.4]]		3.18   5.7 _ 1.22
2	tp		6.2 _ 0.92
3	tp		6.7 _ 0.89
4	2.5 <sup>^</sup> [[2.6]]		3.39   6.9 _ 0.91
5	3.0 <sup>^</sup> [[3.1]]		<del>2.9</del> 3.39   7.5 _ 1.01
6	3.4 <sup>^</sup> [[3.5]]		3.61   8.0 _ 0.89
7	tp		8.3 _ 0.99
8	<sup>^</sup> [[4.0]] 3.9 <sup>^</sup> [[4.0000]]		4.0   4.23   8.9 _ 0.67
9	4.6   4.23	F.	
10	4.9   4.12		
11	5.5   4.05		
12	5.9   3.96		
13	6.3   4.00		
14	6.7   3.95		
15	7.0   4.08		
16	7.4   4.00		
17	7.7   3.93		
18	8.3   3.76		
19	8.6   3.82		
20	8.9   3.83		
23	9.5   <del>4</del> 3.84		

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53

Sequences Near N. Pole

Sc V Sept 27, 1919

I 35044

Seq G +89° Copied Bk 53: 104

[[5 column table]]

	Sc 1	Sc 2	P+88° Cu	Magn.
a	5.7	4.3	10.00	
b	6.3	4.33	10.63	
c	6.7	4.34	11.04	
d	6.9	4.34	11.24	
e	7.3			
f	7.5			

a	5.7	4.3	10.00
b	6.3	4.33	10.63
c	6.7	4.34	11.04
d	6.9	4.34	11.24
e	7.3		
f	7.5		

[[margin]] Too poor elongated hazy [[/margin]]

g			
h			
k			
l			

m			
260	6.1	4.33	10.43
323	5.3	4.24	9.54
326	tp		

Seq T +89° Copied Bk 53; 152

[[5 column table]]

	Sc 1	Sc 2	P+90° Cu	Magn.
a	5.9	5.8	5.7	4.07   9.87
b	6.0	4.09	10.09	
c	Sup			
d	6.2	4.10	10.30	
e	6.7	4.08	10.78	
f	7.1	4.04	11.14	
g	7.5	4.03	11.53	
h	7.7	4.02	11.72	
k	8.0	4.06	12.06	
l	8.3	4.11	12.41	

a | 5.9 | 5.8 | 5.7 | 4.07 | 9.87

b | 6.0 | 4.09 | 10.09 |

c | Sup | | |

d | 6.2 | 4.10 | 10.30 |

e | 6.7 | 4.08 | 10.78 |

f | 7.1 | 4.04 | 11.14 |

g | 7.5 | 4.03 | 11.53 |

h | 7.7 | 4.02 | 11.72 |

k | 8.0 | 4.06 | 12.06 |

l | 8.3 | 4.11 | 12.41 |

[[margin]] very close to br. st. [[/margin]]

m | 8.9 | 4.18 | 13.08 |

n | 9.1 | 4.19 | 13.29 |

o | 9.5 | 4.20 | 13.70 |

894 | 5.5 | 4.02 | 9.52 |

949 | 5.3 | 3.99 | 9.29 |

88° 105 | 5.2 | 3.97 | 9.17 |

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Sequences Near N Pole  
Sc V Sept 27, 1919  
P +88° l 35044

[4 column table]			
Sc 1	Sc 2	PC	
<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>
1	1.3 <sup>^</sup> [1.4]	3.18	5.9 <sup>^</sup> [5.80]
5.7 - 1.32			
<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>
2	2.5 <sup>^</sup> [2.6]	3.39	7.1 - 1.11
3	tp	6.9 - 1.09	
4	2.5 <sup>^</sup> [2.6]	3.39	7.1 - 1.11
5	tp	7.1 - 1.21	
6	tp	8.1 - 0.99	
7	tp	8.3 - 0.99	
8	tp	n.s	
9	tp		
10	tp		
11	5.1	4.45	
12	5.6	4.26	
13	6.0 <sup>^</sup> [6.10]	6.2	4.20
14	6.7 <sup>^</sup> [6.60]	6.5	4.48
15	[[note for rows 15-23]] Too poor elongated hazy not comp with		
Sc	[[note]]		
16			
17			
18			
19			
20			
23			
87° 12	tp		
15	tp		
88° 2	4.3	4.07	8.37
80	4.7	4.15	8.85
85	4.9	4.18	9.08
90	5.7	4.30	10.00
105	5.5	4.28	9.78
115	5.5	4.28	9.78

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Sequence Near N. Pole

Sc V Sept. 27, 1919

L 35044

Seq J +86° P+89° Copied Bk 53; 152

[[5 column table]]

	Sc1	Sc2	Cu	Magn
a	ws <del>5.8</del>			57   4.05   9.75
b	6.0	4.02	10.02	
c	6.5	3.99	10.49	
d	6.5	3.99	10.49	
e	6.8	3.96	10.76	
f	7.2	3.94	11.14	
g	7.7	3.90	11.60	
h	7.9	3.89	11.79	
k	8.1	3.89	11.99	
l	8.5	3.86	12.36	
m	Sup	.	.	
<del>o</del>	<del>9.1</del>	<del>9.20</del>	<del>11</del>	9.3   3.83   13.03
o	F	.	.	
894	5.6	4.06	9.66	
949	5.5	4.07	9.57	
88° 105	5.3	4.10	9.40	

Seq. S +88° P+90° Copied Bk 53; 148

[[5 column table]]

	Sc1	Sc2	Cu	Magn
a	6.1	4.10	10.20	
b	6.3	4.10	10.40	
c	7.1	4.04	11.14	
d	7.3	4.04	11.34	
e	7.6	4.03	11.63	
f	7.8	4.04	11.84	
g	7.9	4.05	11.95	
h	8.3	4.11	12.41	
k	8.3	4.11	12.41	
l	8.7	4.16	12.86	
m	8.9	4.18	13.08	
n	tp	.	.	
878	5.5	4.02	9.52	
958	6.7	4.08	10.78	
966	5.9	4.09	9.99	
2035	5.0	4.12	9.12	

55

Sequence Near N. Pole

Sc V Sept. 27, 1919

L 35044

Seq J +86° P+89° Copied Bk 53; 152

[[5 column table]]

Sc1 | Sc2 | Cu | Magn |

a | ws ~~5.8~~ | | | 57 | 4.05 | 9.75 |

b | 6.0 | 4.02 | 10.02 |

c | 6.5 | 3.99 | 10.49 |

d | 6.5 | 3.99 | 10.49 |

e | 6.8 | 3.96 | 10.76 |

f | 7.2 | 3.94 | 11.14 |

g | 7.7 | 3.90 | 11.60 |

h | 7.9 | 3.89 | 11.79 |

k | 8.1 | 3.89 | 11.99 |

l | 8.5 | 3.86 | 12.36 |

m | Sup | . | . |

~~o~~ | ~~9.1~~ | ~~9.20~~ | ~~11~~ | 9.3 | 3.83 | 13.03

o | F | . | . |

894 | 5.6 | 4.06 | 9.66 |

949 | 5.5 | 4.07 | 9.57 |

88° 105 | 5.3 | 4.10 | 9.40 |

Seq. S +88° P+90° Copied Bk 53; 148

[[5 column table]]

Sc1 | Sc2 | Cu | Magn |

a | 6.1 | 4.10 | 10.20 |

b | 6.3 | 4.10 | 10.40 |

c | 7.1 | 4.04 | 11.14 |

d | 7.3 | 4.04 | 11.34 |

e | 7.6 | 4.03 | 11.63 |

f | 7.8 | 4.04 | 11.84 |

g | 7.9 | 4.05 | 11.95 |

h | 8.3 | 4.11 | 12.41 |

k | 8.3 | 4.11 | 12.41 |

l | 8.7 | 4.16 | 12.86 |

m | 8.9 | 4.18 | 13.08 |

n | tp | . | . |

878 | 5.5 | 4.02 | 9.52 |

958 | 6.7 | 4.08 | 10.78 |

966 | 5.9 | 4.09 | 9.99 |

2035 | 5.0 | 4.12 | 9.12 |

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#62

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Sequence Near N Pole

ScV Sept 27, 1919

L35044

[[ 3 column table]]

Seq S+87 | Sc1 Sc2 | Copy Bb S3:148|

a | 6.1 | 4.01 10.11 |

b | 6.3 | 4.00 10.30 |

c | 7.1 | 3.94 11.04 |

d | 7.5 | 3.90 11.40 |

e | 7.5 | 3.90 11.40 |

f | 7.9 | 3.90 11.80 |

g | 8.0 | 3.89 11.89 |

h | 8.3 | 3.87 12.17 |

k | 8.5 | 3.86 12.36 |

l | 8.7 | 3.85 12.55 |

m | 9.0 | 3.84 12.84 |

n | 9.5 ^ (9.6LI) | 9.7 ^ (3.82) 13.42 |

878 | 5.5 | 4.08 9.58 |

958 | 6.7 | 3.96 10.66 |

966 | 5.7 | 4.04 9.74 |

2035 | 4.9 | 4.15 9.05 |

56

Sequence Near N Pole

ScV Sept 27, 1919

L35044

Seq S+87 | Sc1 Sc2 | Copy Bb S3:148|

a	6.1	4.01 10.11
b	6.3	4.00 10.30
c	7.1	3.94 11.04
d	7.5	3.90 11.40
e	7.5	3.90 11.40
f	7.9	3.90 11.80
g	8.0	3.89 11.89
h	8.3	3.87 12.17
k	8.5	3.86 12.36
l	8.7	3.85 12.55
m	9.0	3.84 12.84
n	9.5 ^ (9.6LI)	9.7 ^ (3.82) 13.42
878	5.5	4.08 9.58
958	6.7	3.96 10.66
966	5.7	4.04 9.74
2035	4.9	4.15 9.05

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## 10-5 Sequences Near N Pole

ScV [[Sept 29, 1919]]

I 35230

RHO+90°	Sc1	Sc2	Diff	RHOc
1   th	5.5	1.02		
2   th	6.3	1.02		
3   th	7.0	1.19		
4   th	7.1	1.11		
5   2.1 <sup>^</sup> [[2.2]]	4.29	7.5	1.01	
6   2.6 <sup>^</sup> [[2.7]]	4.41	7.9	.079	
7   2.9 <sup>^</sup> [[3.0]]	4.31	8.1	.079	
8   3.9 <sup>^</sup> [[3.9]]	4.0 <sup>^</sup> [[400 00]]	4.23   8.9	.067	
9	4.7   4.13	9.5	.067	
10	4.9   4.12	9.8	.078	
11	5.4	4.15		
12	5.9	3.96		
13	6.3	4.00		
14	6.7	3.95		
15	7.2	3.88		
16	7.5	3.90		
17	7.7	3.93		
18	8.2	3.86		
19	8.5	3.92		
20	8.8	3.93		
23	9.5	3.84		
+87°   12	5.0   4.12	9.12		
15	4.1   4.20	8.30   8.7		
88° 2   4.5	4.16   8.66			
80	th   .			
86	th   .			
90	th   .			
105	4.9   h4.12	902		
115	5.1   h4.10	9.10		

10-5  
ScV  
Sept 29, 1919

1	2.1	4.29	7.5	1.01
2	2.6	4.41	7.9	.079
3	2.9	4.31	8.1	.079
4	3.9	4.0	4.23	8.9 .067
5	4.7	4.13	9.5	.067
6	4.9	4.12	9.8	.078
7	5.4	4.15		
8	5.9	3.96		
9	6.3	4.00		
10	6.7	3.95		
11	7.2	3.88		
12	7.5	3.90		
13	7.7	3.93		
14	8.2	3.86		
15	8.5	3.92		
16	8.8	3.93		
17	9.5	3.84		
18	5.0	4.12	9.12	
19	4.1	4.20	8.30   8.7	
20	4.5	4.16	8.66	
21	th	.		
22	th	.		
23	th	.		
24	4.9	h4.12	902	
25	5.1	h4.10	9.10	

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Sequences Near N Pole

ScV Sept 29, 1919

Copied Bk 53;132

Seq Nu[?]+90° RHO+89°  
[[6 column table]]

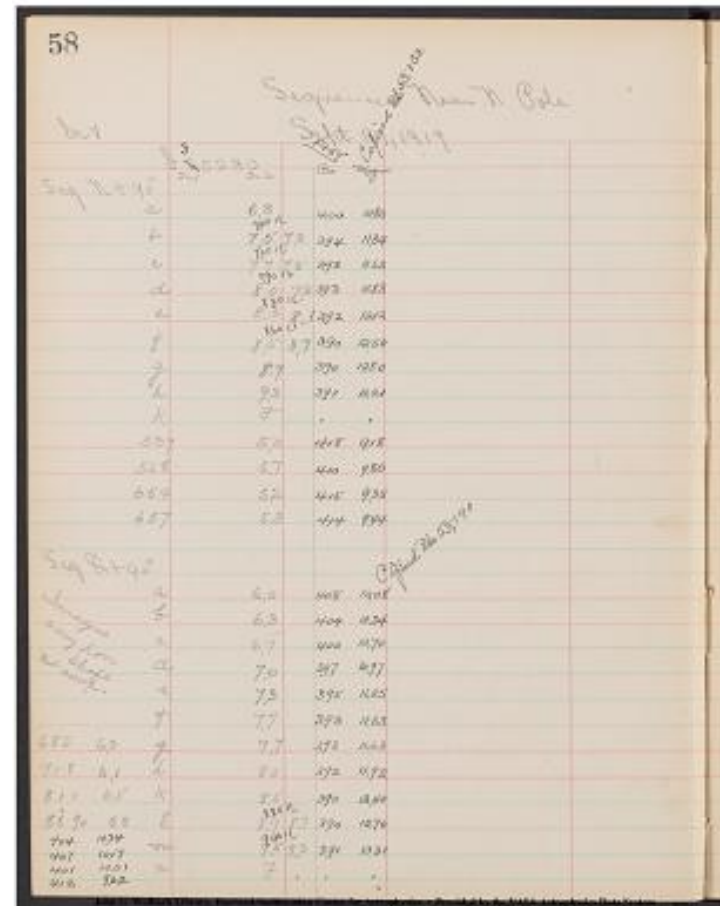
| Sc 1 | Sc 2 | Cw | Magn.

a	6.8	4.00	10.80
b	7.5 <sup>^</sup>	7.40 1	7.3   3.94   11.34
c	7.7 <sup>^</sup>	7.60 1	7.5   3.93   11.53
d	8.0 <sup>^</sup>	7.90 1	8.1   3.93   11.83
e	8.3 <sup>^</sup>	8.20 1	8.1   3.92   12.12
f	8.5 <sup>^</sup>	8.60 1	8.7   3.90   12.50
g	8.9	3.90	12.80
h	9.3	3.91	13.21
k	F	.	.
539	5.0	4.18	9.18
568	5.7	4.10	9.80
654	5.2	4.15	9.35
657	5.3	4.14	9.44

Seq Epsilon[Xi?]+90° Copied Bk. 53; 140

Images very poor  
shape not comp.

a	6.0	4.08	10.08
b	6.3	4.04	10.34
c	6.7	4.00	10.70
d	7.0	3.97	10.97
e	7.3	3.95	11.25
f	7.7	3.93	11.63
g	7.7	3.93	11.63
h	8.0	3.92	11.92
k	8.5	3.90	12.40
l	4.04	10.34	
m	8.9 <sup>^</sup>	8.80 1	8.7   3.90   12.70
n	9.5 <sup>^</sup>	10.17	9.3   3.91   13.31
o	4.01	10.51	
p	4.12	9.62	



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 Sequences Near N Pole  
 Sept 29, 1919  
 Sc V 135230  
 P +89°  
 [[5 column table]]

	Sc 1	Sc 2	Diff	PC
1	tp		5.5	1.02
2	tp		6.2	0.92
3	tp		6.9	1.09
4	tp		7.1	1.11
5	2.2^2.3		4.19	7.5 1.01
6	2.7^2.8		4.31	8.0 0.89
7	tp		8.1	0.79
8	3.9^4.0	4.00 0 0	4.0	4.23   9.0 0.77
9	4.6	4.32	?	
10	4.9	4.12		
11	5.3	4.25		
12	5.7	4.16		
13	Sup.			
14	6.8	3.85		
15	7.1	3.98		
16	7.5	3.90		
17	7.7	3.93		
18	8.1	3.96		
19	8.3	4.12		
20	8.7	4.03		
23	9.5	3.84		
87° 12		4.9	4.19	9.09
15		4.1	4.22	8.32
88° 2		4.7	4.20	8.90
80	tp			
86	tp			
90	4.9	4.19		9.09
105	5.0p	4.18		9.18
115	tp			

(over)

59

Sequences Near N Pole  
 Sept 29, 1919

Sc V 135230  
 P +89°

	Sc 1	Sc 2	Diff	PC
1	tp		5.5	1.02
2	tp		6.2	0.92
3	tp		6.9	1.09
4	tp		7.1	1.11
5	2.2^2.3		4.19	7.5 1.01
6	2.7^2.8		4.31	8.0 0.89
7	tp		8.1	0.79
8	3.9^4.0	4.00 0 0	4.0	4.23   9.0 0.77
9	4.6	4.32	?	
10	4.9	4.12		
11	5.3	4.25		
12	5.7	4.16		
13	Sup.			
14	6.8	3.85		
15	7.1	3.98		
16	7.5	3.90		
17	7.7	3.93		
18	8.1	3.96		
19	8.3	4.12		
20	8.7	4.03		
23	9.5	3.84		
87° 12		4.9	4.19	9.09
15		4.1	4.22	8.32
88° 2		4.7	4.20	8.90
80	tp			
86	tp			
90	4.9	4.19		9.09
105	5.0p	4.18		9.18
115	tp			

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Sequence Near N Pole

ScV Sept 29, 1919 Copied Bk 53; 92

Seq D +89

I ~~2~~ 35230

[[6 column table]]

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

| Sc 1 | Sc 2 | P+90° Cu | Magn. | see below |

Mean

a | 5.8 | 4.04 | 9.84 | 9.56 | 9.70 14 14 |b | 6.3 6.5 6.40 1 1 | 10.39 | 10.30 | 10.34 05 04 |

[[/underline]]

c | 7.2 | 3.93 | 11.13 | 10.94 | 11.04 09 10 |

d | 7.3 | 3.92 | 11.22 | 11.22 | 11.22 00 00 |

e | 7.7 | 3.90 | 11.60 | 11.42 | 11.51 05 05 |f | 7.9 | 3.90 | 11.80 | 11.70 | 11.75 05 05 |

g | 8.3 | 3.90 | 12.20 | 12.20 | 12.20 00 00 |

h | 8.9 | 3.91 | 12.81 | 12.60 | 12.70 11 10 |k | 9.3 | 3.93 | 13.23 | 13.02 | 13.12 11 10 |l | 9.8 | 3.95 | 13.75 | 13.65 | 13.70 05

[[/underline]] 05 [[/underline]]

112 | 5.1 | 4.10 | 9.20 | 9.12 | 9.16 04 04 |132 | 4.8 | 4.13 | 8.93 | 8.66 | 8.80 13 14 |

146 | 6.7 | 3.97 | 10.67 | 10.67 | 10.67 00 00 |

185 | 5.9 | 4.03 | 9.93 | 9.56 | 9.74 19 18 |161 | 5.2 | 5.10 | 9.30 | 9.02 | 9.16 14 14 |

Seq D +88° Copied Bk 53; 92

[[5 column table]]

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

| Sc 1 | Sc 2 | P +90° Cu | Magn. |

a | 5.5 | 4.06 | 9.56 |

b | 6.3 | 4.00 | 10.30 |

c | 7.0 | 3.94 | 10.94 |

d | 7.3 | 3.92 | 11.22 |

e | 7.5 | 3.92 | 11.42 |

f | 7.8 | 3.90 | 11.70 |

g | 8.3 | 3.90 | 12.20 |

h | 8.7 | 3.90 | 12.60 |

k | 9.1 | 3.92 | 13.02 |

l | 9.7 | 3.95 | 13.65 |

60

Sequence Near N Pole

ScV Sept 29, 1919

Seq D +89

	Sc 1	Sc 2	P+90° Cu	Magn.	
a	5.8	4.04	9.84	9.56	9.70 14 <u>14</u>
b	6.3 6.5 6.40 1 1		10.39	10.30	10.34 05 <u>04</u>
c	7.2	3.93	11.13	10.94	11.04 09 <u>10</u>
d	7.3	3.92	11.22	11.22	11.22 00 00
e	7.7	3.90	11.60	11.42	11.51 05 <u>05</u>
f	7.9	3.90	11.80	11.70	11.75 05 <u>05</u>
g	8.3	3.90	12.20	12.20	12.20 00 00
h	8.9	3.91	12.81	12.60	12.70 11 <u>10</u>
k	9.3	3.93	13.23	13.02	13.12 11 <u>10</u>
l	9.8	3.95	<u>13.75</u>	13.65	13.70 05
					<u>05</u>
112	5.1	4.10	9.20	9.12	9.16 04 <u>04</u>
132	4.8	4.13	8.93	8.66	8.80 13 <u>14</u>
146	6.7	3.97	10.67	10.67	10.67 00 00
185	5.9	4.03	9.93	9.56	9.74 19 <u>18</u>
161	5.2	5.10	9.30	9.02	9.16 14 <u>14</u>

Seq D +88° Copied Bk 53; 92

	Sc 1	Sc 2	P +90° Cu	Magn.
a	5.5	4.06	9.56	
b	6.3	4.00	10.30	
c	7.0	3.94	10.94	
d	7.3	3.92	11.22	
e	7.5	3.92	11.42	
f	7.8	3.90	11.70	
g	8.3	3.90	12.20	
h	8.7	3.90	12.60	
k	9.1	3.92	13.02	
l	9.7	3.95	<u>13.65</u>	

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Sc V Sequences Near N Pole  
Sept 29, 1919

I35230 Copied Bk 53:92  
Seq D +88°

[[5 column table]]

---|---|---|---|---|  
| Sc 1 | Sc 2 | P+90° Cu | Magn

112	4.9	4.22	9.12
132	4.5	4.16	8.66
146	6.7	3.97	10.67
185	5.5	4.06	9.56
161	4.9	4.12	9.02

Seq C+88° Copied Bk 53:88

[[7 columns]]

---|---|---|---|---|---|---|  
| Sc 1 | Sc 2 | P+90° Cu | Magn. | p. 62 | Mean |

a	5.9	4.03	9.93	9.80	9.86	07	<u>06</u>
b	6.3	4.00	10.30	10.34	10.32	02	<u>02</u>
c	6.5	3.98	10.48	10.52	10.50	02	<u>02</u>
d	6.8	3.96	10.76	10.70	10.73	03	<u>03</u>
e	7.3	3.92	11.22	11.25	11.24	<u>02</u>	<u>01</u>
f	7.5	3.92	11.42	11.44	11.43	<u>01</u>	<u>01</u>
g	7.8	3.90	11.70	11.64	11.67	<u>03</u>	<u>03</u>
h	8.0	3.90	11.90	11.83	11.86	<u>04</u>	<u>03</u>
k	8.7	3.90	12.60	12.40	12.50	<u>10</u>	<u>10</u>
e	[[??]]	9.0	3.92	12.92	12.90	12.91	<u>01</u>
m	9.3	3.93	13.23	13.11	13.17	<u>06</u>	<u>06</u>
n	9.7	3.95	<u>13.65</u>	<u>13.65</u>	<u>13.65</u>	<u>a</u>	
87° 12'	4.7	4.13	8.83	9.09	8.96	<u>13</u>	<u>13</u>
15	3.8	4.23	8.03	8.13	8.08	<u>05</u>	<u>05</u>
112	4.7	4.13	8.83	9.09	8.96	<u>13</u>	<u>13</u>

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62  
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Sequences Near N Pole  
ScV Sept 29, 1919  
L35230

[[5 columned table]]  
Seq E+88°||Sc1||Sc2||Pt90°||Copied Bk53;96|  
|| || ||Cu ||Magn|  
a||5.7||4.04||9.74|  
b||6.1||4.01||10.11|  
c||5.9||4.03||9.93|  
d||6.9||3.95||10.85|  
e||Scr||.||.||  
f||7.5||3.91||11.41|  
g||7.9||3.90||11.80|  
h||8.1||3.90||12.00|  
k||8.5||3.91||12.41|  
	8.801		3.91		
	87		89		12.71
	9.601		3.94		
238||4.3||4.18||8.48|

Seq C+87°|| || ||P+89||Sec p.61|Copied Bk 53;88  
|| || ||Cu||Magn|  
a||5.7||4.04||~~10.11~~||9.80|  
b||6.3||4.04||10.34|  
c||6.5||4.02||10.52|  
d||6.7||4.00||10.70|  
e||7.3||3.95||11.25|  
f||7.5||3.94||11.44|  
g||7.7||3.94||11.64|  
h||7.9||3.93||11.83|  
k||8.5||3.90||12.40|  
||9.0||3.90||12.90|  
m||9.2||3.91||13.11|  
n||ns||.||.||  
From ||?||87° 12||4.9||4.19||909|  
||87° 15||3.9||4.23||813|  
||87° 112||4.9||4.19||9.09|

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Provided by the NASA astrophysics Data System

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Seq E+88°

	Sc1	Sc2	Pt90°
a	5.7	4.04	9.74
b	6.1	4.01	10.11
c	5.9	4.03	9.93
d	6.9	3.95	10.85
e	Scr	.	.
f	7.5	3.91	11.41
g	7.9	3.90	11.80
h	8.1	3.90	12.00
k	8.5	3.91	12.41
	8.801	<u>3.91</u>	
	87	89	12.71
	9.601	<u>3.94</u>	
238	4.3	4.18	8.48

Seq C+87°

	Sc1	Sc2	Pt90°
a	5.7	4.04	<del>10.11</del> 9.80
b	6.3	4.04	10.34
c	6.5	4.02	10.52
d	6.7	4.00	10.70
e	7.3	3.95	11.25
f	7.5	3.94	11.44
g	7.7	3.94	11.64
h	7.9	3.93	11.83
k	8.5	3.90	12.40
	9.0	3.90	12.90
m	9.2	3.91	13.11
n	ns	.	.
From	87° 12	4.9	4.19 909
	87° 15	3.9	4.23 813
	87° 112	4.9	4.19 9.09

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250	4.5	4.2	0.5
n	[[?]]	.	.

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64  
 10 - ScV  
 Sequences Near N Pole  
 Sept 30, 1919  
 1 35231 | |  
 p + 90 [[symbol - degrees]] 1 | ^[[Sc1 | Sc2]] tp | Diff | ^[[PC]] 5.7 long -  
 1.22  
 2 | tp | 6.2 long - 0.92  
 3 | tp | 6.7 - 0.89  
 4 | tp | 6.9 long - 0.91  
 5 | ^[[2.4]] 2.3 | 4.09 | 7.5 - 1.01  
 6 | ^[[2.9]] 2.8 | 4.21 | 7.9 - 0.79  
 7 | ^[[3.0]] 2.9 | 4.31 | 8.1 - 0.79  
 8 | ^[[3.9]] 3.8 | ^[[3.9000]] 3.9 | 4.33 | 9.0 - 0.79  
 9 | 4.5 | 4.33 | F  
 10 | 4.8 | 4.22 |  
 11 | 5.4 | 4.15 |  
 12 | 5.8 | 4.06 |  
 13 | 6.1 | 4.20 |  
 14 | 6.5 | 4.15 |  
 15 | 7.0 | 4.08 |  
 16 | 7.3 | 4.10 |  
 17 | 7.5 | 4.13 |  
 18 | 8.1 | 3.96 |  
 19 | 8.3 | ~~4.42~~ | 4.12 | |  
 20 | 8.7 | 4.03 |  
 near fr. S1.- 23 | 9.3 | 4.04 | |  
 25 | 9.8 | 4.07 | |  
 87 [[symbol - degrees]] 12 | 4.9 | 4.25 | |  
 15 | 4.1 | 4.30 | |  
 88 [[symbol - degrees]] 2 | 4.7 | 4.28 | |  
 Images prov 80 | 4.9 [[symbol - Rho]] | 4.25 |  
 86 | 47 [[symbol - Rho]] | 4.28 | |  
 90 | 5.7 | 4.17 | |  
 105 | 4.9 | 4.25 | |  
 115 | 5.1 | 4.22 | |

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Sequences Near N Pole

Sept 30, 1919

1	35231		
2	tp	6.2 long - 0.92	
3	tp	6.7 - 0.89	
4	tp	6.9 long - 0.91	
5	^[[2.4]]	2.3   4.09   7.5 - 1.01	
6	^[[2.9]]	2.8   4.21   7.9 - 0.79	
7	^[[3.0]]	2.9   4.31   8.1 - 0.79	
8	^[[3.9]]	3.8   ^[[3.9000]] 3.9   4.33   9.0 - 0.79	
9	4.5	4.33	F
10	4.8	4.22	
11	5.4	4.15	
12	5.8	4.06	
13	6.1	4.20	
14	6.5	4.15	
15	7.0	4.08	
16	7.3	4.10	
17	7.5	4.13	
18	8.1	3.96	
19	8.3	<del>4.42</del>	4.12
20	8.7	4.03	
near fr. S1.-	23	9.3   4.04	
25	9.8	4.07	
87	[[symbol - degrees]]	12   4.9   4.25	
15	4.1	4.30	
88	[[symbol - degrees]]	2   4.7   4.28	
Images prov	80	4.9 [[symbol - Rho]]	4.25
86	47	[[symbol - Rho]]	4.28
90	5.7	4.17	
105	4.9	4.25	
115	5.1	4.22	

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates  
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Sequences Near Gamma Pule  
 Sev Sept 30, 1919  
 J35231|SeqV+90°|Sc1 Sc2|P+89°/Cu  
 |Magu ^[[Cupid  
 BK53;160]]|a|5.5|4.09|9.59|b|5.9|4.08|9.98|c|6.5|4.10|10.60|d|6.7|4.10|10.80|e|7.0|4.10|11.10|f|7.3|4.10|11.40|g|7.7|4.10|11.80|h|8.0|4.08|12.08|k|8.4|4.05|12.45||l|8.9|4.03|12.93|m|9.395^[[9.401|1404]]|13.44|n|F|.|.1|1005|6.3|4.10|10.40|10.10|4.9|4.10|9.0|~~0~~|~~1156~~|4.8|4.12|8.92|1178|5.5^[[560]]|5.7^[[4.09]]|9.69|88^[[0]]|115|5.1|4.10|9.20

65

Sequences Near  $\pi$  Side

Sept 2, 1944

Seq	Magu	Seq	Magu
a	5.5	b	5.9
c	6.5	d	6.7
e	7.0	f	7.3
g	7.7	h	8.0
i	8.4	j	8.9
k	9.395	l	9.401
m	13.44	n	13.44
o	13.44	p	13.44
q	13.44	r	13.44
s	13.44	t	13.44
u	13.44	v	13.44
w	13.44	x	13.44
y	13.44	z	13.44
aa	13.44	ab	13.44
ac	13.44	ad	13.44
ae	13.44	af	13.44
ag	13.44	ah	13.44
ai	13.44	aj	13.44
ak	13.44	al	13.44
am	13.44	an	13.44
ao	13.44	ap	13.44
aq	13.44	ar	13.44
as	13.44	at	13.44
au	13.44	av	13.44
aw	13.44	ax	13.44
ay	13.44	az	13.44
ba	13.44	bb	13.44
bc	13.44	bd	13.44
be	13.44	bf	13.44
bg	13.44	bh	13.44
bi	13.44	bj	13.44
bk	13.44	bl	13.44
bm	13.44	bn	13.44
bo	13.44	bp	13.44
bp	13.44	bq	13.44
br	13.44	bs	13.44
bt	13.44	bu	13.44
bu	13.44	bv	13.44
bv	13.44	bw	13.44
bw	13.44	bx	13.44
bx	13.44	by	13.44
by	13.44	bz	13.44
bz	13.44	ca	13.44
ca	13.44	cb	13.44
cb	13.44	cc	13.44
cc	13.44	cd	13.44
cd	13.44	ce	13.44
ce	13.44	cf	13.44
cf	13.44	cg	13.44
cg	13.44	ch	13.44
ch	13.44	ci	13.44
ci	13.44	cj	13.44
cj	13.44	ck	13.44
ck	13.44	cl	13.44
cl	13.44	cm	13.44
cm	13.44	cn	13.44
cn	13.44	co	13.44
co	13.44	cp	13.44
cp	13.44	cq	13.44
cq	13.44	cr	13.44
cr	13.44	cs	13.44
cs	13.44	ct	13.44
ct	13.44	cu	13.44
cu	13.44	cv	13.44
cv	13.44	cw	13.44
cw	13.44	cx	13.44
cx	13.44	cy	13.44
cy	13.44	cz	13.44
cz	13.44	da	13.44
da	13.44	db	13.44
db	13.44	dc	13.44
dc	13.44	dd	13.44
dd	13.44	de	13.44
de	13.44	df	13.44
df	13.44	dg	13.44
dg	13.44	dh	13.44
dh	13.44	di	13.44
di	13.44	dj	13.44
dj	13.44	dk	13.44
dk	13.44	dl	13.44
dl	13.44	dm	13.44
dm	13.44	dn	13.44
dn	13.44	do	13.44
do	13.44	dp	13.44
dp	13.44	dq	13.44
dq	13.44	dr	13.44
dr	13.44	ds	13.44
ds	13.44	dt	13.44
dt	13.44	du	13.44
du	13.44	dv	13.44
dv	13.44	dw	13.44
dw	13.44	dx	13.44
dx	13.44	dy	13.44
dy	13.44	dz	13.44
dz	13.44	ea	13.44
ea	13.44	eb	13.44
eb	13.44	ec	13.44
ec	13.44	ed	13.44
ed	13.44	ee	13.44
ee	13.44	ef	13.44
ef	13.44	eg	13.44
eg	13.44	eh	13.44
eh	13.44	ei	13.44
ei	13.44	ej	13.44
ej	13.44	ek	13.44
ek	13.44	el	13.44
el	13.44	em	13.44
em	13.44	en	13.44
en	13.44	eo	13.44
eo	13.44	ep	13.44
ep	13.44	eq	13.44
eq	13.44	er	13.44
er	13.44	es	13.44
es	13.44	et	13.44
et	13.44	eu	13.44
eu	13.44	ev	13.44
ev	13.44	ew	13.44
ew	13.44	ex	13.44
ex	13.44	ey	13.44
ey	13.44	ez	13.44
ez	13.44	fa	13.44
fa	13.44	fb	13.44
fb	13.44	fc	13.44
fc	13.44	fd	13.44
fd	13.44	fe	13.44
fe	13.44	ff	13.44
ff	13.44	fg	13.44
fg	13.44	fh	13.44
fh	13.44	fi	13.44
fi	13.44	fj	13.44
fj	13.44	fk	13.44
fk	13.44	fl	13.44
fl	13.44	fm	13.44
fm	13.44	fn	13.44
fn	13.44	fo	13.44
fo	13.44	fp	13.44
fp	13.44	fq	13.44
fq	13.44	fr	13.44
fr	13.44	fs	13.44
fs	13.44	ft	13.44
ft	13.44	fu	13.44
fu	13.44	fv	13.44
fv	13.44	fw	13.44
fw	13.44	fx	13.44
fx	13.44	fy	13.44
fy	13.44	fz	13.44
fz	13.44	ga	13.44
ga	13.44	gb	13.44
gb	13.44	gc	13.44
gc	13.44	gd	13.44
gd	13.44	ge	13.44
ge	13.44	gf	13.44
gf	13.44	gg	13.44
gg	13.44	gh	13.44
gh	13.44	gi	13.44
gi	13.44	gj	13.44
gj	13.44	gk	13.44
gk	13.44	gl	13.44
gl	13.44	gm	13.44
gm	13.44	gn	13.44
gn	13.44	go	13.44
go	13.44	gp	13.44
gp	13.44	gq	13.44
gq	13.44	gr	13.44
gr	13.44	gs	13.44
gs	13.44	gt	13.44
gt	13.44	gu	13.44
gu	13.44	gv	13.44
gv	13.44	gw	13.44
gw	13.44	gx	13.44
gx	13.44	gy	13.44
gy	13.44	gz	13.44
gz	13.44	ha	13.44
ha	13.44	hb	13.44
hb	13.44	hc	13.44
hc	13.44	hd	13.44
hd	13.44	he	13.44
he	13.44	hf	13.44
hf	13.44	hg	13.44
hg	13.44	hh	13.44
hh	13.44	hi	13.44
hi	13.44	hj	13.44
hj	13.44	hk	13.44
hk	13.44	hl	13.44
hl	13.44	hm	13.44
hm	13.44	hn	13.44
hn	13.44	ho	13.44
ho	13.44	hp	13.44
hp	13.44	hq	13.44
hq	13.44	hr	13.44
hr	13.44	hs	13.44
hs	13.44	ht	13.44
ht	13.44	hu	13.44
hu	13.44	hv	13.44
hv	13.44	hw	13.44
hw	13.44	hx	13.44
hx	13.44	hy	13.44
hy	13.44	hz	13.44
hz	13.44	ia	13.44
ia	13.44	ib	13.44
ib	13.44	ic	13.44
ic	13.44	id	13.44
id	13.44	ie	13.44
ie	13.44	if	13.44
if	13.44	ig	13.44
ig	13.44	ih	13.44
ih	13.44	ii	13.44
ii	13.44	ij	13.44
ij	13.44	ik	13.44
ik	13.44	il	13.44
il	13.44	im	13.44
im	13.44	in	13.44
in	13.44	io	13.44
io	13.44	ip	13.44
ip	13.44	iq	13.44
iq	13.44	ir	13.44
ir	13.44	is	13.44
is	13.44	it	13.44
it	13.44	iu	13.44
iu	13.44	iv	13.44
iv	13.44	iw	13.44
iw	13.44	ix	13.44
ix	13.44	iy	13.44
iy	13.44	iz	13.44
iz	13.44	ja	13.44
ja	13.44	jb	13.44
jb	13.44	jc	13.44
jc	13.44	jd	13.44
jd	13.44	je	13.44
je	13.44	jf	13.44
jf	13.44	jj	13.44
jj	13.44	jk	13.44
jk	13.44	jl	13.44
jl	13.44	jm	13.44
jm	13.44	jn	13.44
jn	13.44	jo	13.44
jo	13.44	jp	13.44
jp	13.44	jq	13.44
jq	13.44	jr	13.44
jr	13.44	js	13.44
js	13.44	jt	13.44
jt	13.44	ju	13.44
ju	13.44	jv	13.44
jv	13.44	jw	13.44
jw	13.44	jx	13.44
jx	13.44	gy	13.44
gy	13.44	gz	13.44
gz	13.44	ka	13.44
ka	13.44	kb	13.44
kb	13.44	kc	13.44
kc	13.44	kd	13.44
kd	13.44	ke	13.44
ke	13.44	kf	13.44
kf	13.44	kg	13.44
kg	13.44	kh	13.44
kh	13.44	ki	13.44
ki	13.44	kj	13.44
kj	13.44	kk	13.44
kk	13.44	kl	13.44
kl	13.44	km	13.44
km	13.44	kn	13.44
kn	13.44	ko	13.44
ko	13.44	kp	13.44
kp	13.44	kq	13.44
kq	13.44	kr	13.44
kr	13.44	ks	13.44
ks	13.44	kt	13.44
kt	13.44	ku	13.44
ku	13.44	kv	13.44
kv	13.44	kw	13.44
kw	13.44	kx	13.44
kx	13.44	ky	13.44
ky	13.44	kz	13.44
kz	13.44	la	13.44
la	13.44	lb	13.44
lb	13.44	lc	13.44
lc	13.44	ld	13.44
ld	13.44	le	13.44
le	13.44	lf	13.44
lf	13.44	lg	13.44
lg	13.44	lh	13.44
lh	13.44	li	13.44
li	13.44	lj	13.44
lj	13.44	lk	13.44
lk	13.44	ll	13.44
ll	13.44	lm	13.44
lm	13.44	ln	13.44
ln	13.44	lo	13.44
lo	13.44	lp	13.44
lp	13.44	lq	13.44
lq	13.44	lr	13.44
lr	13.44	ls	13.44
ls	13.44	lt	13.44
lt	13.44	lu	13.44
lu	13.44	lv	13.44
lv	13.44	lw	13.44
lw	13.44	lx	13.44
lx	13.44	ly	13.44
ly	13.44	lz	13.44
lz	13.44	ma	13.44
ma	13.44	mb	13.44
mb	13.44	mc	13.44
mc	13.44	md	13.44
md	13.44	me	13.44
me	13.44	mf	13.44
mf	13.44	mg	13.44
mg	13.44	mh	13.44
mh	13.44	mi	13.44
mi	13.44	mj	13.44
mj	13.44	mk	13.44
mk	13.44	ml	13.44
ml	13.44	mm	13.44
mm	13.44	mn	13.44
mn	13.44	mo	13.44
mo	13.44	mp	13.44
mp	13.44	mq	13.44
mq	13.44	mr	13.44
mr	13.44</		



66  
 Sequences Near N Pole  
 ScV Sept 30, 1919  
 I 35231  
 $P + 89$  [[symbol - degrees]] 1 |  $^{\wedge}[[\text{Sc } 1]]$  tp  $^{\wedge}[[\text{Sc } 2]]$  | Diff |  $^{\wedge}[[\text{PC}]]$  5.5 - 1.02  
 on edge 2 | tp | | tp .  
 3 | tp | | 6.7 - 0.89  
 4 | tp | | 6.9 long -0.91  
 5 | tp | | 7.3 - 0.81  
 6 |  $^{\wedge}[[2.8]]$  2.7 | 4.31 | 7.9 - 0.79  
 7 |  $^{\wedge}[[3.1]]$  3.0 | 4.21 | 8.0 - 0.69  
 8 |  $^{\wedge}[[4.0]]$  3.9  $^{\wedge}[[40.000]]$  40[[symbol - Zeta]] | 4.23 | 9.0 - 0.77  
 9 | 4.7 | 4.13 | su[[symbol - Zeta]] ,  
 10 | 5.0 | 4.02  
 11 | 5.5 | 4.05  
 12 | 5.8 | 4.03  
 13 | 6.2 | 4.10  
 14 | 6.5 | 4.15  
 15 | 7.0 | 4.08  
 16 | 7.3 | 4.10  
 17 | 7.5 | 4.13  
 18 | 8.0 | 4.06  
 19 | Too close to another st.  
 20 | 8.7 | 4.03  
 23 | 9.3 | 4.04  
 25 | 9.8 | 4.07  
 87 [[symbol - degrees]] 12 | [[symbol - Tau Rho]]  
 15 | [[symbol - Tau Rho]]  
 Images Prov 88 [[symbol - degrees]] 2 | 4.9  
 80 | 4.9  
 86 | 4.9  
 90 | 5.7  
 105 | 4.7  
 115 | 4.9

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Sequences Near N Pole

ScV Sept 30, 1919

I 35231

$P + 89$  [[symbol - degrees]] 1 |  $^{\wedge}[[\text{Sc } 1]]$  tp  $^{\wedge}[[\text{Sc } 2]]$  | Diff |  $^{\wedge}[[\text{PC}]]$  5.5 - 1.02

on edge 2 | tp | | tp .

3	tp			6.7 - 0.89
4	tp			6.9 long -0.91
5	tp			7.3 - 0.81
6	$^{\wedge}[[2.8]]$	2.7	4.31	7.9 - 0.79
7	$^{\wedge}[[3.1]]$	3.0	4.21	8.0 - 0.69
8	$^{\wedge}[[4.0]]$	3.9	$^{\wedge}[[40.000]]$	40[[symbol - Zeta]]   4.23   9.0 - 0.77
9	4.7	4.13	su[[symbol - Zeta]] ,	
10	5.0	4.02		
11	5.5	4.05		
12	5.8	4.03		
13	6.2	4.10		
14	6.5	4.15		
15	7.0	4.08		
16	7.3	4.10		
17	7.5	4.13		
18	8.0	4.06		
19	Too close to another st.			
20	8.7	4.03		
23	9.3	4.04		
25	9.8	4.07		
87	[[symbol - degrees]] 12   [[symbol - Tau Rho]]			
15	[[symbol - Tau Rho]]			
Images Prov 88 [[symbol - degrees]] 2   4.9				
80	4.9			
86	4.9			
90	5.7			
105	4.7			
115	4.9			

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Sequences Near N Pole
ScV Sept 30, 1919
35231 P+90 Copied Bb53;120
[[5-column table]]
[SeqK+89]Sc1 Sc2[Cu Magn]See Below[Mean]
a|5.7|4.17 9.87|9.78|9.82 05 04|
b|6.0|4.14 10.14|10.10|10.12 02 02|
c|6.4|4.12 10.52|10.40|10.46 06 06|
d|6.8 6.9 6.7|4.10 10.90|1080|10.85 05 05|
e|6.9|4.09 10.99|11.00|11.00 01 00|
f|7.1|4.08 11.18|11.30|11.24 06 06|
g|7.5|4.06 11.56|11.60|11.58 02 02|
h|7.9|4.04 11.94|11.89|11.92 02 03|
k|8.1|4.04 12.14|11.94|12.04 10 10|
l|8.3 8.4 8.5|4.04 12.44|12.35|12.40 04 05|
m|8.7|4.04 12.74|12.54|12.64|10 10|
n|9.0|4.04 13.04|13.04|13.04 00 00|
o|9.5|4.05 13.55|13.55|13.55 00 00|
tn|7|' ' ' ' ' '
445|5.8|4.16 9.96|9.88|9.92 04 04|
[SeqK+88] [Cu Magn] Copied Bb53;120|
a|507|4.08 9.78| | |
b|6.0|4.10 10.10| | |
c|6.7|4.10 10.40| | |
d|6.7|4.10 10.80| | |
e|6.9|4.10 11.00| | |
f|7.2|4.10 11.30| | |
g|7.5|4.10 11.60| | |
h|7.8|4.09 11.89| | |
k|7.8 7.9|4.09 11.94| | |
l|8.3|4.05 12.35| | |
m|8.5|4.04 12.54| | |
n|9.0|4.04 13.04| | |
o|9.5|4.05 13.55| | |
445|5.8|4.08 9.88| | |

```

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Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates  
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ScV Sequencer Near N. Pole  
 I35231 | P + 90° | Copied Bla 53;108  
 Seq H + 88°

[[8 column table]]

	Sc 1	Sc 2	Cu	Magn.			
a	5.8	4.16	9.96	9.78	9.87	09	<u>09</u>
b	6.3	4.12	10.42	10.30	10.36	06	<u>06</u>
c	6.7	4.10	10.80	10.80	10.80	00	00
d	w.s	<del>6.7</del>	<del>7.170011</del>				
e	7.3	4.07	11.37	11.60	11.48	11	<u>11</u>
f	7.5	4.06	11.56	11.60	11.58	02	<u>02</u>
g	7.7	4.05	11.75	11.80	11.78	03	<u>03</u>
h	7.9	4.05	11.95	12.08	12.02	07	<u>07</u>
k	8.3	4.04	12.34	12.35	12.34	00	01
l	8.5	4.04	12.54	12.73	12.64	10	<u>10</u>
m	9.00	8.9	11.9.1	4.04	13.04	13.03	13.04   00   01
n	J?	.	Copied Bb53,124	.	.	.	.
398	5.1	4.22	9.32	9.20	9.26	06	<u>06</u>
Seq S+880							
a	5.5	4.19	9.69	9.78	9.74	05	<u>05</u>
b	5.7	4.16	9.86	10.00	9.93	07	<u>07</u>
c	6.0	4.14	10.14	10.40	10.27	13	<u>13</u>
d	6.3	4.12	10.42	10.60	10.51	09	<u>09</u>
e	6.5	4.11	10.61	10.80	10.70	09	<u>09</u>
f	6.8	4.10	10.90	11.00	10.95	05	<u>05</u>
g	7.2	4.08	11.28	11.20	11.24	04	<u>04</u>
h	7.5	4.06	11.56	11.80	11.68	12	<u>12</u>
k	7.9	4.05	11.95	12.17	12.06	11	<u>11</u>
l	8.3	4.04	12.34	12.35	12.34	00	01
m	8.7	4.04	12.74	12.74	12.74	00	00
n	9.0	<u>960L1</u>	4.04	13.04	13.13	13.08	<u>04</u>   <u>05</u>
o	9.5	9.7	4.06	13.66	13.54	13.60	<u>06</u>   <u>06</u>
539	4.9	4.24	9.14	9.10	9.12	02	<u>02</u>

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Seq V Sequences Near N Pole  
 Sept 30, 1919 Copied Bk 53; 108  
 I35231

[5 column table]

Seq H + 87° | Sc 1 | Sc 2 | P+90° Cu | Magn|

a	5.7	4.08	9.78	
b	6.2	4.10	10.30	
c	6.7	4.10	10.80	
d	6.9	7.00	11.7.1	4.10   11.10
Close to [[br.??] St. e   7.5?   4.10   11.60?				
f	7.5	4.10	11.60	
g	7.7	4.10	11.80	
h	8.0	4.08	12.08	
k	8.3	4.05	12.35	
l	8.7	4.03	12.73	
m	9.0	4.03	13.03	
n	7	4.03	13.03	Copied Bk 53:124
398	5.1	4.10	9.20	

Seq L +87°

a	5.7	4.08	9.78	
b	5.9	4.10	10.00	
c	6.3	4.10	10.40	
d	6.5	4.10	10.60	
e	6.7	4.10	10.80	
f	6.9	4.10	11.00	
g	7.1	4.10	11.20	
h	7.7	4.10	11.80	
k	8.1	4.07	12.17	
l	8.3	4.05	12.35	
m	8.7	4.04	12.74	
n	9.1	4.03	13.13	
c	9.5	4.04	13.54	
539	5.0	4.10	9.10	

12:55

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 #62  
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70  
 Sc V Sequences Near N Pole  
Oct 1, 1919  
 10 -5 | 35232  
 [4-column table]  
 P + 90° 1 | Sc1 Sc2 th | Diff | PC 5.5-102 |  
 2|tn| 6.3-1.02|  
 3|tn| 6.9-1.09|  
 4|tn| 6.95 6.9-0.96|  
 5|2.5 2.4|3.99|7.5-1.01|  
 6|3.0 2.9|4.11|8.1-0.99|  
 7|3.1 3.0|4.21|8.3-0.99|  
 8|4.1 4.0 4.10 00 4.1|4.13|Sun?|  
 9|4.9|393| |  
 10|5.0|402| |  
 11|5.5|405| |  
 12|5.7|4.16| |  
 13|6.2|4.10| |  
 14|6.5|4.15| |  
 15|7.1|3.98| |  
 16|7.3|4.10| |  
 17|7.5|4.13| |  
 18|8.0|4.06| |  
 19|8.3|4.12| |  
 20|8.5|4.23| |  
 23|9.1|4.24| |  
 25|9.7|4.17| |  
 87|12|4.8|405 8.85|  
 15|4.1|4.06 8.16|  
 88|2|5.0|4.05 905|  
 80|tn| ' |  
 86|tn| ' |  
 90|5.3|4.06 9.36|  
 105|4.9|405 895|  
 115|49|4.05 8.95|

70

Sequences Near N Pole

Oct 1, 1919

Sc1	Sc2	th	Diff	PC
10	-5			35232
2	tn		6.3-1.02	
3	tn		6.9-1.09	
4	tn		6.95 6.9-0.96	
5	2.5 2.4	3.99	7.5-1.01	
6	3.0 2.9	4.11	8.1-0.99	
7	3.1 3.0	4.21	8.3-0.99	
8	4.1 4.0 4.10 00 4.1	4.13	Sun?	
9	4.9	393		
10	5.0	402		
11	5.5	405		
12	5.7	4.16		
13	6.2	4.10		
14	6.5	4.15		
15	7.1	3.98		
16	7.3	4.10		
17	7.5	4.13		
18	8.0	4.06		
19	8.3	4.12		
20	8.5	4.23		
23	9.1	4.24		
25	9.7	4.17		
87	12	4.8	405 8.85	
15	4.1	4.06 8.16		
88	2	5.0	4.05 905	
80	tn	'		
86	tn	'		
90	5.3	4.06 9.36		
105	4.9	405 895		
115	49	4.05 8.95		

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Sequences [Near?] N Pole

ScV Oct 1 1919

L35232

[[8-column table]]

Seq

[[?]]+89°|Sc1|Sc2|~~Cu~~||P+90°|

/underline]] Cu|Magn. Copied

B[[p?]]53;140|[[p?]]75||Mean||a| 5.9| 4.06|9.96|9.92|9.94 02 ||02|||b| 6.1|4.07|10.17|10.20|10.18 ||01|| 02||c| 6.5|4.08|10.58|10.50|10.54 | 04 ||04|||d| 6.80 6.7||1|| 6.9|4.10|10.90|10.70|10.80 10||10|||e| 6.95 6.9||1|| 7.0|4.09|11.04|11.10|11.07||03|| 03||f| 7.3|4.10|11.40|11.31|11.36||05|||g| 7.5|4.10|11.60|11.52|11.56 04 ||04|||h| 7.8|4.10|11.90|11.84|11.87 03 ||03|||k| 8.0|4.10|12.10|12.18|12.14 ||04|| 04|near def. |l| 8.3|4.12|12.42|12.62|12.52 ||10|| 10||m| 8.60 8.5||1|| 8.7|4.14|12.74|13.09|12.92||18|| 17||n| ||90|| 4.18|13.18|13.34|13.26||08|| 08|685| 61| 4.07|10.17|10.01|10.09 08 ||08||718| 5.70 5.5||2|| 5.9|4.06|9.76|9.92|9.84||08|| 08|811| 6.3|~~6.1~~|4.08|10.38|10.34 04||04||88°90| 5.5| 4.06|9.56|9.53|9.54 02 ||01|||o| 9.3| 4.20|13.50|13.86|13.68 ||18|| 18|

|p| 7| 1| 1| 1|

Over

[[/table]]

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## Sequences Near N Pole

ScV Oct 1, 1919

I35232

[[8-column table]]

Seq. [[O?]]+88° [[~~Sc1~~]]~~Sc1~~[[~~Sc2~~]][[P+90°]]Cu[[Copied Bp 53; 136Magn.]]P 76[[Mean]]a| 5.8| 4.06|9.86|10.01|9.94 [[06]]07b| 6.2| 4.08|10.28|10.30|10.29 [[01]]01c| 6.60 1[[1]] 6.7|6.5|4.09|10.69|10.50|10.60 09[[10]]d| 6.5| 4.09|10.59|10.50|10.54 05 [[04]]e| 6.7| 4.09|10.79|10.90|10.84 [[05]]06f| 6.9| 4.09|10.99|11.10|11.04 [[05]]06g| 7.2| 4.10|11.30|11.10|11.20 10 [[10]]h| 7.5| 4.10|11.60|11.52|11.56 04 [[04]]k| 760 [[1]] 7.5|7.7|4.10|11.70|11.52|11.61 09[[09]]l| 7.9| 4.11|12.01|11.84|11.92 09 [[08]]

m| 7.8| 4.10|11.90|11.90 a "

n| 8.2| 4.12|12.32|12.18|12.25 07 [[07]]o| 8.5| 4.14|12.64|12.62|12.63 01 [[01]]p| 8.9| 4.17|13.07|13.20|13.14 [[07]]06684| 4.8| 4.05|8.85|8.89|8.87 [[02]]02718| 6.1| 4.07|10.17|9.92|10.04 13 [[12]]88° 80| 4.9| 4.05|8.95|8.98|8.96 [[01]]0286| 4.5| 4.04|8.54|8.64|8.59 [[05]]05

q| 7| 13.86|13.86 " a|

[[/table]]

11-20

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62

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73

Sequences New N Pole

ScV October 2, 1919

11- | I35232

P+89° Copied Bk53;92

[[p?]]77 P+88°

Seq D +90°

[table, 7 columns]

Sc1|Sc2|Cu|Magn|Mean|Cu|Magn|

|6.00 11 | | | |

a|6.1 5.9|4.01|10.01 9.59|9.80 21,

21|4.10|10.10

b|6.5|4.00|10.50 10.42|10.46 0.4 04|4.12|10.62

c|7.3|4.01|11.31 "11.31 a" |4.13|11.43

d|7.5|4.02|11.52 11.03|11.28 24 25|4.13|11.63

e|7.7|4.04|11.74 11.74|11.74 00 00|4.15|11.85

f|7.9|4.05|11.95 11.84|11.90 05 06|4.16|12.06

g|8.0|4.07|12.07 12.08|12.06 01 01|4.17|12.17

h|8.3|4.09|12.39 12.49|12.44 05

05|4. ~~9~~ ~~19~~ |12.49

k|8.5|4.12|12.62 12.92|12.77 15 |15|4.20|12.70

l|8.9|4.18|13.08 13.25|13.16 08 |09|4.24|13.14

m|9.3|4.30|13.60 13.82|13.71 11 |11|4.30|13.60

n|9.7|4.44| 14.14 "14.14 a

"14. ~~30~~ ~~40~~ 14 . ~~0~~

2 ~~10~~

|112|5.2|4.04|9.24 "9.24 a" |4.07|9.27

|132|5.0|4.06|9.06 "9.06 a" |4.03|9.03

|146|6.9|4.00|10.90 10.62|10.76 14

14|4.12|11.02

|185|5.9|4.02|9.92 9.59|9.76 16 17|4.10|10.00

|161|5. ~~3~~ |4.05|9.35 9.04|9.20 15 16|4.08|9.38

[table]

over

73

Sequences New N Pole

ScV October 2, 1919

11- | I35232

P+89° Copied Bk53;92

[[p?]]77 P+88°

Seq D +90°

Sc1	Sc2	Cu	Magn	Mean	Cu	Magn
6.00	11					
a	6.1	5.9	4.01	10.01	9.59	9.80 21,
						<u>21</u>  4.10 10.10
b	6.5	4.00	10.50	10.42	10.46	0.4 <u>04</u>  4.12 10.62
c	7.3	4.01	11.31	"11.31 a"	4.13	11.43
d	7.5	4.02	11.52	11.03	11.28	24 <u>25</u>  4.13 11.63
e	7.7	4.04	11.74	11.74	11.74	00 00 4.15 11.85
f	7.9	4.05	11.95	11.84	11.90	05 <u>06</u>  4.16 12.06
g	8.0	4.07	12.07	12.08	12.06	01 <u>01</u>  4.17 12.17
h	8.3	4.09	12.39	12.49	12.44	<u>05</u>
	05	4	<del>9</del>	<del>19</del>	12.49	
k	8.5	4.12	12.62	12.92	12.77	<u>15</u>  15 4.20 12.70
l	8.9	4.18	13.08	13.25	13.16	<u>08</u>  09 4.24 13.14
m	9.3	4.30	13.60	13.82	13.71	<u>11</u>  11 4.30 13.60
n	9.7	4.44	<u>14.14</u>	"14.14 a		
	"14	<del>30</del>	<del>40</del>	<u>14</u>	<del>0</del>	
	2	<del>10</del>				
	112	5.2	4.04	9.24	"9.24 a"	4.07 9.27
	132	5.0	4.06	9.06	"9.06 a"	4.03 9.03
	146	6.9	4.00	10.90	10.62	10.76 14
	<u>14</u>					4.12 11.02
	185	5.9	4.02	9.92	9.59	9.76 16 <u>17</u>  4.10 10.00
	161	5. <del>3</del>	4.05	9.35	9.04	9.20 15 <u>16</u>  4.08 9.38

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## Sequences Near N Pole

Sc v Oct 2, 1919

I 35232

P + 89°

[[4 column table]]

	Sc 1	Sc 2	PC
1	tp	5.4	0.92
2	tp	6.2	0.92
3	tp	6.7	0.89
4	tp	6.9	0.91

[[5 column table]]

5	2.6	2.5	3.89	7.5	1.01
6	3.1	3.0	4.01	7.8	0.69
7	3.2	3.1	4.11	7.9	0.59
8	4.0	3.9	4.000	4.0	4.23
9	4.7	4.13	9.5	0.67	
10	5.0	4.02	9.7	0.68	

[[4 column table]]

11	5.5	4.05		
12	5.9	3.96		
13	6.3	4.00		
14	6.6	4.05		
15	7.1	3.98		
16	7.3	4.10		
17	7.7	3.93		
18	8.3	3.76		

19 [[??]]

20 ---8.5|4.23|

23 ---9.1|4.24|

25 ---9.5|4.37|

26 ---9.8|4.53|

87° |12|---4.5|4.14|8.64|

|15|---3.8|4.15|9.95|

88° |2|---5.0|4.06|9.06|

|80|---4.7|4.11|8.81|

|86|---4.5|4.14|8.64|

|90|---5.5|4.04|9.54|

|105|---4.9|4.08|8.98|

|115|---5.3|4.04|9.34|

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Sequences Near N Pole

Sc v Oct 2, 1919

I 35232

P + 89°

[[4 column table]]

	Sc 1	Sc 2	PC
1	tp	5.4	0.92
2	tp	6.2	0.92
3	tp	6.7	0.89
4	tp	6.9	0.91

[[5 column table]]

5	2.6	2.5	3.89	7.5	1.01
6	3.1	3.0	4.01	7.8	0.69
7	3.2	3.1	4.11	7.9	0.59
8	4.0	3.9	4.000	4.0	4.23
9	4.7	4.13	9.5	0.67	
10	5.0	4.02	9.7	0.68	

[[4 column table]]

11	5.5	4.05		
12	5.9	3.96		
13	6.3	4.00		
14	6.6	4.05		
15	7.1	3.98		
16	7.3	4.10		
17	7.7	3.93		
18	8.3	3.76		

19 [[??]]

20 ---8.5|4.23|

23 ---9.1|4.24|

25 ---9.5|4.37|

26 ---9.8|4.53|

87° |12|---4.5|4.14|8.64|

|15|---3.8|4.15|9.95|

88° |2|---5.0|4.06|9.06|

|80|---4.7|4.11|8.81|

|86|---4.5|4.14|8.64|

|90|---5.5|4.04|9.54|

|105|---4.9|4.08|8.98|

|115|---5.3|4.04|9.34|

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75  
 Sequences Near N Pole  
 Sc V Oct 2, 1919  
 |I35232|  
 Seq Q + 88° |Sc1 Sc2|P+89° Sec p[?]71 Copied Bk 53',140  
 |Cu|Magn  
 a|5.9|4.02|9.92  
 b|6.2|4.00|10.20  
 c|6.5|4.00|10.50  
 d|6.7|4.00|10.70  
 e|7.1|4.00|11.10  
 f|7.3|4.01|11.31  
 g|7.5|4.02|11.52  
 h|7.8|4.04|11.84  
 k|8.1|4.08|12.18  
 l|8.5|4.12|12.62  
 m|8.9|4.19|13.09  
 n|9.1|4.24|13.34  
 o|9.5|4.36|13.86  
 685|6.0|4.01|11.31  
 718|5.9|4.02|9.92  
 811|6.3|4.00|10.30  
 88° 90|5.5|4.03|9.53

75

Sequences Near N Pole

Oct 2, 1919

Seq Q + 88° |Sc1 Sc2|P+89° Sec p[?]71 Copied Bk 53',140

|Cu|Magn

a	5.9	4.02	9.92
b	6.2	4.00	10.20
c	6.5	4.00	10.50
d	6.7	4.00	10.70
e	7.1	4.00	11.10
f	7.3	4.01	11.31
g	7.5	4.02	11.52
h	7.8	4.04	11.84
k	8.1	4.08	12.18
l	8.5	4.12	12.62
m	8.9	4.19	13.09
n	9.1	4.24	13.34
o	9.5	4.36	13.86
685	6.0	4.01	11.31
718	5.9	4.02	9.92
811	6.3	4.00	10.30
88° 90	5.5	4.03	9.53

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76 |  
 | Sequences Neon N Pule  
 | Sev | Oct 2, 1919  
 | | 35232 | P+89\* | Copied Bk 53;136  
 | | | | | Seup 72  
 Seq 0 + 87\* | 501 502 | Ca Magu. |  
 a | 6.0 | 4.01 | 10.01 |  
 b | 6.3 | 4.00 | 10.30 |  
 c | 6.5 | 4.00 | 10.50 |  
 d | 6.5 | 4.00 | 10.50 |  
 e | 6.9 | 4.00 | 10.90 |  
 f | 7.1 | 4.00 | 11.10 |  
 g | 7.1 | 4.00 | 11.10 |  
 h | 7.5 | 4.02 | 11.52 |  
 k | 7.5 | 4.02 | 11.52 |  
 l | 7.8 | 4.04 | 11.84 |  
 m | sup | . | . |  
 n | 8.1 | 4.08 | 12.18 |  
 o | 8.5 | 4.12 | 12.62 |  
 p | 9.0 | 4.20 | 13.20 |  
 684 | 4.8 | 4.09 | 8.89 |  
 718 | 5.9 | 4.02 | 9.92 |  
 88\* 80 | 4.9 | 4.08 | 8.98 |  
 86 | 4.5 | 4.14 | 8.64 |  
 q | 9.5 | 4.36 | 13.86 |  
 9.7

12-15

76

Sequences Neon N Pule

Sev | Oct 2, 1919

| | 35232 | P+89\* | Copied Bk 53;136

| | | | | Seup 72

Seq 0 + 87\* | 501 502 | Ca Magu. |

a	6.0	4.01	10.01
b	6.3	4.00	10.30
c	6.5	4.00	10.50
d	6.5	4.00	10.50
e	6.9	4.00	10.90
f	7.1	4.00	11.10
g	7.1	4.00	11.10
h	7.5	4.02	11.52
k	7.5	4.02	11.52
l	7.8	4.04	11.84
m	sup	.	.
n	8.1	4.08	12.18
o	8.5	4.12	12.62
p	9.0	4.20	13.20
684	4.8	4.09	8.89
718	5.9	4.02	9.92
88* 80	4.9	4.08	8.98
86	4.5	4.14	8.64
q	9.5	4.36	13.86
	9.7		

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12-30 Sequences Near N Pole  
 Sc V Oct 2, 1919  
 I35232 copied Bk 53;96

Seq E + 90°

[[5 Column Table]]

	Sc 1	Sc 2	P+88°	Magn.
a	5.7	4.10	9.80	
b	6.1	4.11	10.21	
c	5.9	4.10	10.00	
d	6.9	4.13	11.03	
e	7.3	4.14	11.44	
f	7.5	4.14	11.64	
g	7.9	4.15	12.05	
close to br. st h				8.1   4.17   12.27?
k	8.3	4.19	12.49	
l	8.9	4.24	13.14	
m	9.3	4.30	13.60	
n	9.7	4.34	<u>14.04</u>	<u>14.04</u>
238	4.5			
Seq D + 89° Copied B k 53'92				
a	5.5	4.09	9.59	
b	6.3	4.12	10.42	
c	nearly sup.			
d	6.9	4.13	11.03	
Images poor e				7.7 7.8^7.60 1 1   4.14   11.74
f	7.7	4.14	11.84	
g	7.9	4.15	12.05	
h	8.3	4.19	12.49	
k	8.7	4.22	12.92	
l	9.0	4.25	13.25	
m	9.5	4.32	13.82	
112	4.7			
132	4.5			
146	6.5	4.12	10.62	
185	5.5	4.09	9.59	
161	5.0	4.04	9.04	

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12-30 Sequences Near N Pole  
 Oct 2, 1919

Seq E + 90°

	Sc 1	Sc 2	P+88°	Magn.
a	5.7	4.10	9.80	
b	6.1	4.11	10.21	
c	5.9	4.10	10.00	
d	6.9	4.13	11.03	
e	7.3	4.14	11.44	
f	7.5	4.14	11.64	
g	7.9	4.15	12.05	
close to br. st h				8.1   4.17   12.27?
k	8.3	4.19	12.49	
l	8.9	4.24	13.14	
m	9.3	4.30	13.60	
n	9.7	4.34	<u>14.04</u>	<u>14.04</u>
238	4.5			
Seq D + 89° Copied B k 53'92				
a	5.5	4.09	9.59	
b	6.3	4.12	10.42	
c	nearly sup.			
d	6.9	4.13	11.03	
Images poor e				7.7 7.8^7.60 1 1   4.14   11.74
f	7.7	4.14	11.84	
g	7.9	4.15	12.05	
h	8.3	4.19	12.49	
k	8.7	4.22	12.92	
l	9.0	4.25	13.25	
m	9.5	4.32	13.82	
112	4.7			
132	4.5			
146	6.5	4.12	10.62	
185	5.5	4.09	9.59	
161	5.0	4.04	9.04	

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 #62  
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Sequences Near N Pole  
ScV Oct. 2, 1919  
I35232

[[7 Column Table]]

	Sc1	Sc2	Pe
P + 88° 11	B	5.5	1.02
2 +/~	6.1	0.82	
3 +/~	6.8	0.99	
4 ^[[2.4]]	2.3 +/~	3.59	7.0 _ 1.01
5 +/~	7.4	0.91	
6 ^[[3.1]]	3.0	4.01	7.9 _ 0.79
7 ^[[3.2]]	3.1	4.11	7.9 _ 0.59
8 +/~	8.8	0.57	
9 +/~	9.5	0.67	
10	4.9	4.12	
11	5.5	4.05	
12	5.8	4.06	
13	6.2	4.10	
14	6.5	4.15	
15	6.9	4.18	
16	7.2	4.20	
17	7.5	4.13	
18	8.0	4.06	
19	8.3	4.12	
20	8.5	4.23	
23	9.0	4.34	
25			

^[[9.60[[underline]]11[[/underline]]]]95^[[4.27]]9.7 | |

87° 12	+/-		
15	+/-		
88° 2	+/-		
80	4.9	4.04	8.94
86	4.4		
90	5.5	4.09	9.59
105	5.0	4.05	9.05
115	5.2	4.06	9.26

[[right margin]]1\_35[[/right margin]]

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Sequences Near N Pole  
ScV Oct. 2, 1919

P + 88° 11	B	5.5	1.02
2 +/~	6.1	0.82	
3 +/~	6.8	0.99	
4 ^[[2.4]]	2.3 +/~	3.59	7.0 _ 1.01
5 +/~	7.4	0.91	
6 ^[[3.1]]	3.0	4.01	7.9 _ 0.79
7 ^[[3.2]]	3.1	4.11	7.9 _ 0.59
8 +/~	8.8	0.57	
9 +/~	9.5	0.67	
10	4.9	4.12	
11	5.5	4.05	
12	5.8	4.06	
13	6.2	4.10	
14	6.5	4.15	
15	6.9	4.18	
16	7.2	4.20	
17	7.5	4.13	
18	8.0	4.06	
19	8.3	4.12	
20	8.5	4.23	
23	9.0	4.34	
25			

^[[9.60[[underline]]11[[/underline]]]]95^[[4.27]]9.7 | |

87° 12	+/-		
15	+/-		
88° 2	+/-		
80	4.9	4.04	8.94
86	4.4		
90	5.5	4.09	9.59
105	5.0	4.05	9.05
115	5.2	4.06	9.26

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#62

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## Sequences Near N Pole

ScV Oct 3, 1919

11:30 I35319 RHOC

[[7 column table]]

| RHO+90° | Sc1 | Sc2 |---| Diff |---| th. clouq[?]

1	th					
2	th			6.2	0.92	
3	th			6.5	0.69	
4	th			6.8	0.81	
5	1.9 <sup>^</sup>	[2.0]		4.49	7.4	0.91
6	2.5 <sup>^</sup>	[2.6]		4.51	7.9	0.79
7	2.7 <sup>^</sup>	[2.8]		4.51	8.1	0.79
8	3.5 <sup>^</sup>	[3.6]	<del>3.7</del>	<del>3.6801</del>	37	4.58
9	0	0.77				
9	4.1 <sup>^</sup>	[4.2 4.20 00]		4.2	4.63	9.9? 1.07
10		4.4	4.62			
11	5.4 <sup>^</sup>	[5.10]	<u>1</u>	<u>1</u>	5.2	4.45
12	5.4 <sup>^</sup>	[5.50]	<u>1</u>	<u>1</u>	5.6	4.30
13	5.9 <sup>^</sup>	[6.00]	<u>1</u>	<u>1</u>	6.1	4.30
14	6.3	4.35				
15	6.8 <sup>^</sup>	[6.90]	<u>1</u>	<u>1</u>	7.0	4.18
16	7.3	4.10				
17	7.5	4.13				
18	8.1	3.96				
19	8.3	4.12				
20	8.5 <sup>^</sup>	[8.60]	<u>1</u>	<u>1</u>	8.7	4.13
23	9.3	4.04				
25	9.8	4.07				
87° 12	th					
15	th					
88° 2	th		4.60 <sup>^</sup>	[Cw.]	860 <sup>^</sup>	[Magu]
80	th					
86	th					
90	5.5	4.44	9.44			
105	4.1	4.60	8.70			
115	4.3	4.60	8.90			

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Sequences Near N Pole  
Oct 3, 1919

1	th					
2	th			6.2	0.92	
3	th			6.5	0.69	
4	th			6.8	0.81	
5	1.9 <sup>^</sup>	[2.0]		4.49	7.4	0.91
6	2.5 <sup>^</sup>	[2.6]		4.51	7.9	0.79
7	2.7 <sup>^</sup>	[2.8]		4.51	8.1	0.79
8	3.5 <sup>^</sup>	[3.6]	<del>3.7</del>	<del>3.6801</del>	37	4.58
9	0	0.77				
9	4.1 <sup>^</sup>	[4.2 4.20 00]		4.2	4.63	9.9? 1.07
10		4.4	4.62			
11	5.4 <sup>^</sup>	[5.10]	<u>1</u>	<u>1</u>	5.2	4.45
12	5.4 <sup>^</sup>	[5.50]	<u>1</u>	<u>1</u>	5.6	4.30
13	5.9 <sup>^</sup>	[6.00]	<u>1</u>	<u>1</u>	6.1	4.30
14	6.3	4.35				
15	6.8 <sup>^</sup>	[6.90]	<u>1</u>	<u>1</u>	7.0	4.18
16	7.3	4.10				
17	7.5	4.13				
18	8.1	3.96				
19	8.3	4.12				
20	8.5 <sup>^</sup>	[8.60]	<u>1</u>	<u>1</u>	8.7	4.13
23	9.3	4.04				
25	9.8	4.07				
87° 12	th					
15	th					
88° 2	th		4.60 <sup>^</sup>	[Cw.]	860 <sup>^</sup>	[Magu]
80	th					
86	th					
90	5.5	4.44	9.44			
105	4.1	4.60	8.70			
115	4.3	4.60	8.90			

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## Sequences Near N Pole

ScV Oct 3, 1919

J35319 Pt90° Copied Bb53,'160

[[9 columned table]]

Seq V + 88°|Sc1|Sc2|Cu|Magn|h87|Mean| | |

a	5.3	4.47	9.77	9.80	9.78	01	02
b	6.0	4.34	10.34	10.36	10.35	11	02
c	6.3	4.30	10.60	10.85	10.72	12	13
d	7.0	4.16	11.16	11.38	11.27	11	11
e	7.1	4.15	11.25	11.55	11.40	15	15
f	8.0	4.08	12.08	11.95	12.02	06	07
g	8.3	4.06	12.36	12.20	12.28	08	08
h	8.5	4.06	12.56	12.38	12.47	09	09
k	8.7	4.05	12.75	12.58	12.66	19	19
l	9.0	4.05	13.05	12.84	12.94	11	11
m	9.2	4.05	13.25	13.04	13.14	05	05
n	9.5	4.06	13.66	13.74	13.70	04	04
o	9.7	4.06	13.76	13.76	13.76	13	13
1005	6.2	4.30	10.50	10.46	10.48	02	02
1016	4.4	4.40	11.11	11.11	11.11	11	11
4.5	4.59	8.99	8.58	8.78	8.78	21	20
1156	4.3	4.59	8.89	8.66	8.78	11	12
1178	5.55	2.22	5.55	5.55	5.55	11	11
5.7	4.43	9.98	9.80	9.89	9.89	09	09
188°	115	4.4	4.59	8.99	8.75	8.87	12

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Sequences Near N Pole

Sev Oct 3, 1919

12:20|[[?]] 35319

Seq K+90° | P+89° ^[[copied Bla 53;120]]|P+88°  
| | Cw Magw|Cw Magw h85|Mean  
a|5.7|4.28 9.98|4.35 9.63 10.05| 989 09 26 16  
b|6.1|4.21 10.31|4.36 10.46 10.46|10.41 10 05 05  
c|63|4.17 10.47|4.36 10.66 10.66|10.60 13 06 06  
d|Nearly Duya[[?]]|. . . 10.85|10.85 . . a|  
e|6.7|4.10 10.80|4.34 10.44 11.13|10.79 01 38 34  
f|7.1|4.06 11.16|4.29 11.72 11.38|11.31 15 08 07  
g|7.5|4.02 11.52|4.22 11.72 11.54|11.59 07 13 05  
h|8.0|4.01 12.01|4.11 12.11 11.88| 1200 01 11 12  
k|8.1|4.00 12.50|4.05 12.55 12.38|12.48 02 07 10  
l|8.5|4.00 12.50|4.05 12.55 12.38|12.48 02 07 10  
m|89|h3.99 12.89|404 12.94 12.56|12.80 09 14 24  
n|9.3|h3.98 13.28|4.04 13.34 13.04|13.22 06 12 18  
445|6.0|4.23 10.23|4.36 10.36 10.36|10.32 09 04 04

82

Sequences Near N Pole

Seq	K+90°	P+89°	Mean	h85	Magw	Magw	Magw	Magw	Magw
a	5.7	4.28 9.98	4.35 9.63 10.05	989	09	26	16		
b	6.1	4.21 10.31	4.36 10.46 10.46	10.41	10	05	05		
c	63	4.17 10.47	4.36 10.66 10.66	10.60	13	06	06		
d	Nearly Duya	[[?]]	. . . 10.85	10.85	. . .	a			
e	6.7	4.10 10.80	4.34 10.44 11.13	10.79	01	38	34		
f	7.1	4.06 11.16	4.29 11.72 11.38	11.31	15	08	07		
g	7.5	4.02 11.52	4.22 11.72 11.54	11.59	07	13	05		
h	8.0	4.01 12.01	4.11 12.11 11.88	1200	01	11	12		
k	8.1	4.00 12.50	4.05 12.55 12.38	12.48	02	07	10		
l	8.5	4.00 12.50	4.05 12.55 12.38	12.48	02	07	10		
m	89	h3.99 12.89	404 12.94 12.56	12.80	09	14	24		
n	9.3	h3.98 13.28	4.04 13.34 13.04	13.22	06	12	18		
445	6.0	4.23 10.23	4.36 10.36 10.36	10.32	09	04	04		

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## Sequences Near N Pole

Sev Oct 3, 1919

| |[[?]] 34319| |pe

P+89^Se 1 Se 2

1|th| |th along

2|th| |6.3 \_ 1.02

3|th| |6.7 \_ 0.89

4|th| |7.0 \_ 1.01

5|1.9^[[2.0]]|4.49|7.5 \_ 1.01

6|2.5[[/strikethrough]]q[[/strikethrough]]^[[2.6]]|4.51|7.9 \_ 0.79

7|2.8[[/strikethrough]]q[[/strikethrough]]^[[2.9]]|4.44|8.0 \_ 0.69

8|3.5[[/strikethrough]]q[[/strikethrough]]^[[3.6]]|4.63|8.9 \_ 0.67

9|4.0[[/strikethrough]]q[[/strikethrough]]^[[4.1 4.10 00]]|4.1|4.73|9.5 \_ 0.67

10|4.3^[[4.40 1 1]]|4.5^[[4.62]]|9.7 \_ 0.68

11|5.3|4.25

12|5.7|398

13|6.1|4.20

14|6.5|4.15

15|7.0|4.08

16|7.5|3.90

17|77|3.93

18|8.1|3.96

19|8.3|4.12

20|8.7|4.03

23|9.3^[[9.40 11]]|9.5^[[3.94]]

25|suh

890|[[?]] 12|4.7|h 4.50 9.20

15|3.9|h 4.62 8.52

88 2|40|4.62 8.62

80|th| . .

86|th| . .

90|5.3|4.36 9.66

105|40|4.62 8.62

115|4.3|4.48 8.78

83

Sequences Near N Pole  
Oct 3, 1919

Seq	Wavelength	Intensity	Notes
1	4.51	7.9	0.79
2	4.44	8.0	0.69
3	4.63	8.9	0.67
4	4.1	4.73	9.5
5	4.5	9.7	0.68
6	5.3	4.25	
7	5.7	398	
8	6.1	4.20	
9	6.5	4.15	
10	7.0	4.08	
11	7.5	3.90	
12	77	3.93	
13	8.1	3.96	
14	8.3	4.12	
15	8.7	4.03	
16	9.3	9.5	3.94
17	suh		
18	4.7	4.50	9.20
19	3.9	4.62	8.52
20	40	4.62	8.62
21	th		
22	th		
23	5.3	4.36	9.66
24	40	4.62	8.62
25	4.3	4.48	8.78

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Sequence Near N Pole

Sev Oct 3, 1919

Seq J +88 I 35319 P+89°^[[Copied BK 53;152]]

[[5 Column Table]]

	Sc 1	Sc 2	Cu.	Magn
a)	5.5	4.32	9.82	
b)	5.9	4.25	10.15	
c)	6.2	4.20	10.40	
d)	6.3	4.17	10.47	
e)	6.7	4.10	10.80	
f)	7.3	4.04	11.34	
g)	7.7	4.02	11.72	
h)	7.7	4.02	11.72	
k)	8.0	4.00	12.00	
l)	8.3	4.00	12.30	
m)	8.8	4.00	12.80	
n)	9.3	3.98	13.28	
894	4.9	4.44	9.34	
949	4.7p	4.50	9.20	
88°105	4.5	4.54	9.04	

1-25

	Sc 1	Sc 2	Cu.	Magn
a)	5.5	4.32	9.82	
b)	5.9	4.25	10.15	
c)	6.2	4.20	10.40	
d)	6.3	4.17	10.47	
e)	6.7	4.10	10.80	
f)	7.3	4.04	11.34	
g)	7.7	4.02	11.72	
h)	7.7	4.02	11.72	
k)	8.0	4.00	12.00	
l)	8.3	4.00	12.30	
m)	8.8	4.00	12.80	
n)	9.3	3.98	13.28	
894	4.9	4.44	9.34	
949	4.7p	4.50	9.20	
88°105	4.5	4.54	9.04	

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10:30 Sequences Near N Pole

Sev Oct.6,1919

Se|I35319|P+88°^[[Copied Bb53;124]]

Seq d+go|Sc1 Sc2|Cw|Magw

a|5.5|4.31|9.81

b|5.9^|6.0011|6.1|4.36|10.36

c|6.3^|6.2011|6.1|4.36|10.56

d|6.5|4.35|10.85

e|6.5|4.35|10.85

f|6.9|4.32|11.22

g|7.3|4.24|11.54

h|7.7|4.18|11.88

k|8.1|4.10|12.20

l|8.3|4.08|12.38

m|8.7|4.04|12.74

n|93^|94.011|95?|H?^|4.04|13.44?

539|5.2^|5.1501|5.1|4.23|9.38

Seq K+89° a|5.7|4.35|10.05^[[Copied Bb53;120]]

b|6.1|4.36|10.46

c|6.3|4.36|10.66

d|6.5|4.35|10.85

e|6.8|4.33|11.13

defective? f|7.1|4.28|11.38

g|7.3|4.24|11.54

h|7.7|4.18|11.88

k|7.9|4.14|12.04

l|8.3|4.08|12.38

m|8.5|4.06|12.56

n|9.0|4.04|13.04

o|7|1.1|

4.45|6.0|4.36|10.36

85

Sev Oct.6,1919

Seq d+go|Sc1 Sc2|Cw|Magw

a	5.5	4.31	9.81
b	5.9	6.0011	6.1 4.36 10.36
c	6.3	6.2011	6.1 4.36 10.56
d	6.5	4.35	10.85
e	6.5	4.35	10.85
f	6.9	4.32	11.22
g	7.3	4.24	11.54
h	7.7	4.18	11.88
k	8.1	4.10	12.20
l	8.3	4.08	12.38
m	8.7	4.04	12.74
n	93	94.011	95? H?^ 4.04 13.44?
539	5.2	5.1501	5.1 4.23 9.38

Seq K+89° a|5.7|4.35|10.05^[[Copied Bb53;120]]

b	6.1	4.36	10.46
c	6.3	4.36	10.66
d	6.5	4.35	10.85
e	6.8	4.33	11.13
f	7.1	4.28	11.38
g	7.3	4.24	11.54
h	7.7	4.18	11.88
k	7.9	4.14	12.04
l	8.3	4.08	12.38
m	8.5	4.06	12.56
n	9.0	4.04	13.04
o	7	1.1	
4.45	6.0	4.36	10.36

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Sequences Near N Pole  
ScV Oct 6, 1919  
L 35319

[[7 Columned Table]]

P + 88°	Sc1	Sc2	PC
1	B	?	
2	tn	6.1	0.82
3	1.3 <sup>h</sup> [[14]]	4.41	6.7_0.89
4	1.5 <sup>h</sup> [[1.6]]	4.39	7.0_1.01
5	1.9 <sup>h</sup> [[2.0]]	4.49	7.5_1.01
6	tn	7.9	0.79
7	tn	8.0	0.69
8	4.0	n4.23	9.0_0.77
9	4.7	n4.13	9.7_0.87
10	4.9	4.12	9.8_0.78
11	5.3	4.25	
12	5.5	4.36	
13	5.9	4.40	
14	6.3	4.35	
15	6.7	4.38	
16	7.1	4.30	
17	7.4	4.23	
18	8.0	4.06	
19	8.3	4.12	
20	8.7	4.03	
23	9.3	4.04	
25	9.8	4.07	
87°	12	tn	.
15	tn	.	.
88°	2	4.3	4.20   8.50
80	tn	.	.
86	tn	.	.
90	5.5	4.30	9.80
105	4.4	4.17	8.57
115	4.7	4.14	8.84

[[/Columned Table]]

[[Note]] over [[/Note]]

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Sequences Near N Pole

Oct 6, 1919

1	B	?	
2	tn	6.1	0.82
3	1.3 <sup>h</sup> [[14]]	4.41	6.7_0.89
4	1.5 <sup>h</sup> [[1.6]]	4.39	7.0_1.01
5	1.9 <sup>h</sup> [[2.0]]	4.49	7.5_1.01
6	tn	7.9	0.79
7	tn	8.0	0.69
8	4.0	n4.23	9.0_0.77
9	4.7	n4.13	9.7_0.87
10	4.9	4.12	9.8_0.78
11	5.3	4.25	
12	5.5	4.36	
13	5.9	4.40	
14	6.3	4.35	
15	6.7	4.38	
16	7.1	4.30	
17	7.4	4.23	
18	8.0	4.06	
19	8.3	4.12	
20	8.7	4.03	
23	9.3	4.04	
25	9.8	4.07	
87°	12	tn	.
15	tn	.	.
88°	2	4.3	4.20   8.50
80	tn	.	.
86	tn	.	.
90	5.5	4.30	9.80
105	4.4	4.17	8.57
115	4.7	4.14	8.84

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Sequences Near N Pole

ScV Oct 6, 1919

L35319 Copied Bk 53;160

Seq V +87°

Sc1 | Sc2 | Cu<sup>1</sup> | P+88° |  
 Magn<sup>1</sup> | sup 80 | P+89° | Magn |

a | 5.5 | 4.30 | 9.80 | 4.32 | 9.82 |

b | 6.0 | 4.36 | 10.36 | 4.23 | 10.23 |

c | 6.5 | 4.35 | 10.85 | 4.13 | 10.63 |

d | 7.1 | 4.28 | 11.38 | 4.05 | 11.15 |

e | 7.3 | 4.25 | 11.55 | 4.03 | 11.33 |

f | 7.8 | 4.15 | 11.95 | 4.01 | 11.81 |

g | 8.1 | 4.10 | 12.20 | 4.00 | 12.01 |

h | 8.3 | 4.08 | 12.38 | 4.00 | 12.30 |

k | 8.3 | 4.08 | 12.38 | 4.00 | 12.30 |

l | 8.8 | 4.04 | 12.84 | 4.00 | 12.80 |

m | 9.1 | 4.04 | 13.14 | 3.99 | 13.09 |

n | 9.7 | 4.04 | 13.74 | 3.97 |13.67 |

o | F | . | . | . | . |

1005 | 6.1 | 4.36 | 10.46 | 4.22 | 10.32 |

1016 | 4.4 | 4.18 | 8.58 | 4.60 | 9.00 |

1156 | 4.5 | 4.16 | 8.66 | 4.53 | 9.03 |

1178 | 5.5 | 4.30 | 9.80 | 4.32 | 9.82 |

88°115 | 4.5<sup>1</sup> | 4.60 11 | 4.7 | 4.15 | 8.75 | 4.52 |~~1~~ | ~~9.12~~ |

87

Sequences Near N Pole

ScV Oct 6, 1919

L35319 Copied Bk 53;160

Seq V +87°

Sc1	Sc2	Cu <sup>1</sup>	<u>P+88°</u>	<u>sup 80</u>	<u>P+89°</u>	Magn
a	5.5	4.30	9.80	4.32	9.82	
b	6.0	4.36	10.36	4.23	10.23	
c	6.5	4.35	10.85	4.13	10.63	
d	7.1	4.28	11.38	4.05	11.15	
e	7.3	4.25	11.55	4.03	11.33	
f	7.8	4.15	11.95	4.01	11.81	
g	8.1	4.10	12.20	4.00	12.01	
h	8.3	4.08	12.38	4.00	12.30	
k	8.3	4.08	12.38	4.00	12.30	
l	8.8	4.04	12.84	4.00	12.80	
m	9.1	4.04	13.14	3.99	13.09	
n	9.7	4.04	<u>13.74</u>	3.97		
			<u>13.67</u>			
o	F	.	.	.	.	
1005	6.1	4.36	10.46	4.22	10.32	
1016	4.4	4.18	8.58	4.60	9.00	
1156	4.5	4.16	8.66	4.53	9.03	
1178	5.5	4.30	9.80	4.32	9.82	
88°115	4.5 <sup>1</sup>	<u>4.60 11</u>	4.7	4.15	8.75	4.52
			<del>1</del>	<del>9.12</del>		

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88  
Sequences Near N Pole  
ScV Oct 6, 1919

I35319 Copied Bk 53;164

Seq W +86°

	Sc1	Sc2	Cur. <sup>^</sup> <u>P+88°</u>	Magn <sup>^</sup> <sub>81</sub>
a	5.5	4.30	9.80	
b	6.0	4.36	10.36	
c	6.1	4.36	10.46	
d	7.0	4.30	11.30	
e	7.3	4.25	11.55	
f	7.7	4.18	11.88	
g	8.0	4.11	12.11	
h	8.2	4.09	12.29	
k	8.5	4.05	12.55	
l	8.9	4.04	12.94	
m	9.1	4.04	13.14	
n	9.5	4.04	13.54	
o	7	.	.	
1147	5.3	4.27	9.57	
2056	5.5	4.30	9.80	

12\_

88

Sequences Near N Pole

Seq W +86°

Seq	W	P	M
1	5.5	4.30	9.80
2	6.0	4.36	10.36
3	6.1	4.36	10.46
4	7.0	4.30	11.30
5	7.3	4.25	11.55
6	7.7	4.18	11.88
7	8.0	4.11	12.11
8	8.2	4.09	12.29
9	8.5	4.05	12.55
10	8.9	4.04	12.94
11	9.1	4.04	13.14
12	9.5	4.04	13.54
13	7	.	.
14	5.3	4.27	9.57
15	5.5	4.30	9.80

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## Sequences Nea N Pole

Sev Oct 7, 1919

11-20|135366

P+90°|Sc1|Sc2|Diff|Pc \_1.02

1|th| |5.5 h along

2|th| |6.2 \_0.92

3|th| |6.7 \_0.89

4|th| |[[7 or 3?]]\_0 \_1.01

5|2.0^|[2.1]]|4.39|7.5 \_1.01

6|2.4^|[2.5]]|4.61|7.9 \_0.79

7|2.5^|[2.6]]|4.71|8.1 \_0.79

8|4.0^|[3.95 61]]|3.9^|[4.28]]|8.9 \_0.67

9|4.5|4.33|9.5 \_0.67

10|47|4.32|9.8 \_0.78

11|5.1|4.45

12|5.5|4.36

13|6.0|4.30

14|6.4|4.25

15|6.9|4.18

16|7.3|4.10

17|7.7|3.93

18|8.3|3.76

19|8.5|3.92

20|8.8|3.93

23|9.5|3.84

25|F|

87° 12|5.0|h4.36 9.36|

15|4.2^|[4.18]]|h^|[4.14.28]] 8.43

88° 2|4.5|4.31 8.81

80|4.9|4.35 9.25

86|4.5|4.31 8.81

90|5.5|4.34 9.84

105|4.9|4.35 9.25

115|5.1|4.35 9.45

Sequences Nea N Pole  
Sev Oct 7, 1919

Plate	P+90	Sc1	Sc2	Diff	Pc
11	5.5	4.39	7.5	-1.01	
12	5.5	4.36			
13	6.0	4.30			
14	6.4	4.25			
15	6.9	4.18			
16	7.3	4.10			
17	7.7	3.93			
18	8.3	3.76			
19	8.5	3.92			
20	8.8	3.93			
23	9.5	3.84			
25	F				
87° 12	5.0	h4.36	9.36		
15	4.2	h^	4.14.28	8.43	
88° 2	4.5	4.31	8.81		
80	4.9	4.35	9.25		
86	4.5	4.31	8.81		
90	5.5	4.34	9.84		
105	4.9	4.35	9.25		
115	5.1	4.35	9.45		

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90  
 Sequences Nea N Pole  
 Sev Oct 7, 1919  
 I35366  
 SeqB+89[degrees symbol] P+90 CopiedBK53;84  
 Cu Magu K93 Mean  
 a 6.0 4.28 10.28 10.48 10.38 10 10  
 b 6.9 4.14 11.01 10.98 11.01 03 03  
 c 7.3 4.06 11.36 11.23 11.30 06 07  
 d 7.5 4.02 11.52 11.47 11.50 02 03  
 e 8.0 3.93 11.93 11.94 11.94 01 00  
 f 8.2 3.91 12.11 12.02 12.06 05 04  
 g 8.5 3.90 12.40 12.25 12.32 08 07  
 h 9.3 3.84 13.14 12.66 12.90 24 24  
 k 9.5 3.83 13.33 12.83 13.08 25 25  
 l T . . 13.38 13.88 a .  
 63 5.1 4.25 9.35 9.32 9.34 01 02  
 82 5.9 4.30 10.20 9.96 10.08 12 12  
 144 6.0 4.28 10.28 10.22 10.25 03 03  
 1156 4.2 4.28 8.48 8.98 8.73 25 25  
 1178 5.4 4.35 9.75 9.87 9.81 06 06  
 1211 6.0 4.28 10.28 10.22 10.25 03 03  
 1277 6.0 4.28 10.28 9.96 10.12 16 16  
 88[[degrees symbol]]2 4.1 4.27 8.37 8.7 8.54 17 16  
 8 6.3 4.25 10.55 10.64 10.60 05 04  
 11 5.5 4.34 9.84 9.80 9.82 02 02

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 . Provided by the NASA Astrophysics Data System

SeqB+89	P+90	Cu	Magu	K93	Mean
a	6.0	4.28	10.28	10.48	10.38
b	6.9	4.14	11.01	10.98	11.01
c	7.3	4.06	11.36	11.23	11.30
d	7.5	4.02	11.52	11.47	11.50
e	8.0	3.93	11.93	11.94	11.94
f	8.2	3.91	12.11	12.02	12.06
g	8.5	3.90	12.40	12.25	12.32
h	9.3	3.84	13.14	12.66	12.90
k	9.5	3.83	13.33	12.83	13.08
l	T	.	.	13.38	13.88
63	5.1	4.25	9.35	9.32	9.34
82	5.9	4.30	10.20	9.96	10.08
144	6.0	4.28	10.28	10.22	10.25
1156	4.2	4.28	8.48	8.98	8.73
1178	5.4	4.35	9.75	9.87	9.81
1211	6.0	4.28	10.28	10.22	10.25
1277	6.0	4.28	10.28	9.96	10.12
88	[[degrees symbol]]2	4.1	4.27	8.37	8.7
8	6.3	4.25	10.55	10.64	10.60
11	5.5	4.34	9.84	9.80	9.82

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 #62  
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Sequences Near N Pole  
 Sev [[?]] | Oct 7, 1919

I 35366 | P+90° | Copied BR 53;80  
 Seq A +88° ||cu magna

[a] 6.7|4.18 10.88  
 [b] 7.1|4.10 11.20  
 [c] 7.3|4.05 11.35  
 [d] 7.5|4.02 11.52  
 [e] 7.8|3.95 11.75  
 [f] 8.0|3.93 11.93  
 [g] 8.5|3.89 12.39  
 [h] 8.9|3.88 12.78  
 [k] 9.3|3.84 13.14  
 [l] 9.5|3.83 13.33  
 [m] 9.8|3.82 [underline] 13.62 [/underline]  
 [1266] 5.0|4.38 9.35

91

Sequences Near N Pole  
 Oct 7, 1919

Seq	Br	Magn
a	6.7	10.88
b	7.1	11.20
c	7.3	11.35
d	7.5	11.52
e	7.8	11.75
f	8.0	11.93
g	8.5	12.39
h	8.9	12.78
k	9.3	13.14
l	9.5	13.33
m	9.8	13.62
1266	5.0	9.35

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[[5 column chart]]

10-20 | Sequences Near N Pole

SeV | Oct 8, 1919 |

P+ 89 | 135366 |

| Sc1 | Sc2 | IPC |

1 | +n | | 5.7 along -1.22 |

2 | +n | | 6.3 - 1.02 |

3 | +n | | 6.9 - 1.09 |

4 | +n | | 7.0 - 1.01 |

5 | 2.0 1.9 | 4.49 | 7.5 - 1.01 |

6 | 2.5 2.4 | 4.61 | 7.9 - 0.79 |

7 | 2.6 2.5n | 4.71 | 8.1 - 0.79 |

8 | 3.6 3.5 | 4.63 | 9.0 - 0.77 |

9 | 4.1 4.0 4.1000 4.1 | 4.73 | 7 . |

10 | 4.3 | 4.72 | | |

11 | 4.9 | 4.65 | | |

12 | 5.5 | 4.36 | | |

13 | 6.0 | 4.30 | | |

14 | 6.3 | 4.35 | | |

15 | 6.7 | 4.38 | | |

16 | 7.1 | 4.30 | | |

17 | 7.5 | 4.13 | | |

18 | 8.1 | 3.96 | | |

19 | 8.5 | 3.92 | | |

20 | 8.9 | 3.83 | | |

23 | 9.5 | 3.84 | | |

25 | 7 | . | | |

87 12 | 4.1 | 4.70 | 8.80 | | |

15 | 3.3 | 4.69 | 7.99 | | |

88 2 | 4.0 | 4.70 | 8.70 | | |

80 | +n | . | | |

86 | +n | . | | |

90 | 5.5 | 4.46 | 9.96 | | |

105 | 4.7 | 4.61 | 9.31 | | |

115 | 4.9 | 4.58 | 9.48 | | |

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. Provided by the NASA Astrophysics Data System

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10-20 | Sequences Near N Pole

SeV | Oct 8, 1919 |

P+ 89 | 135366 |

	Sc1	Sc2	IPC
1	+n		5.7 along -1.22
2	+n		6.3 - 1.02
3	+n		6.9 - 1.09
4	+n		7.0 - 1.01
5	2.0 1.9	4.49	7.5 - 1.01
6	2.5 2.4	4.61	7.9 - 0.79
7	2.6 2.5n	4.71	8.1 - 0.79
8	3.6 3.5	4.63	9.0 - 0.77
9	4.1 4.0 4.1000 4.1	4.73	7 .
10	4.3	4.72	
11	4.9	4.65	
12	5.5	4.36	
13	6.0	4.30	
14	6.3	4.35	
15	6.7	4.38	
16	7.1	4.30	
17	7.5	4.13	
18	8.1	3.96	
19	8.5	3.92	
20	8.9	3.83	
23	9.5	3.84	
25	7	.	
87 12	4.1	4.70	8.80
15	3.3	4.69	7.99
88 2	4.0	4.70	8.70
80	+n	.	
86	+n	.	
90	5.5	4.46	9.96
105	4.7	4.61	9.31
115	4.9	4.58	9.48

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[[4 column table]]

Sequences Near N Pole

SeV Oct 8, 1919 Copied Bls 53, 132

I35366

Seq N +90 | 501 502 | P+89 Cu Magu | n95 | mean

a | 6.2 | 4.35 10.55 | 10.45 10.50 05 05 [underlined]

b | 6.9 | 4.25 11.15 | 11.25 11.20 05 [underlined] 06

c | 7.3 | 4.17 11.47 | 11.52 11.50 03 [underlined] 02

near br st. d | 7.8 | 4.05 11.85 | 11.90 11.88 03 [underlined] 02

e | 8.1 | 4.00 12.10 | 12.19 12.14 04 [underlined] 05

f | 8.5 | 3.90 12.41 | 12.65 12.53 12 [underlined] 12

g | 8.8 | 3.86 12.66 | 13.02 12.84 18 [underlined] 18

h | 9.3 | 3.78 13.08 | 13.59 13.34 26 [underlined] 25

k | 9.3 9040 | 9.5 3.78 13.18 | 13.77 13.48 30 [underlined] 29

l | 7 | . | . | .

539 | 4.3 | 4.69 8.99 | 9.20 9.10 11 [underlined] 10

568 | 5.3 | 4.50 9.80 | 9.78 9.79 01 01 |

654 | 4.5 | 4.66 9.16 | 9.31 9.24 08 [underlined] 07

657 | 5.1 | 4.54 9.64 | 9.62 9.63 01 01 |

Seq B +88

a | 6.1 | 4.38 10.48 | | |

b | 6.7 | 4.28 10.98 | | |

c | 7.0 | 4.23 11.23 | | |

d | 7.3 | 4.17 11.47 | | |

e | 7.9 | 4.04 11.94 | | |

f | 8.0 | 4.02 12.02 | | |

g | 8.3 | 3.95 12.25 | | |

h | 8.80 8.7 | 3.86 8.9 | 12.66 | |

k | 9.0 | 3.83 12.83 | | |

l | 9.60 9.5 | 3.78 9.7 | 13.38 | |

63 | 4.7 | 4.62 9.32 | | |

82 | 5.5 | 4.46 9.96 | | |

144 | 5.8 | 4.42 10.22 | | |

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by the NASA Astrophysics Data System

93

Sequences Near N Pole

Seq N +90

Seq	Mag	Mag	Mag	Mag	Mag
a	6.2	4.35	10.55	10.45	10.50
b	6.9	4.25	11.15	11.25	11.20
c	7.3	4.17	11.47	11.52	11.50
d	7.8	4.05	11.85	11.90	11.88
e	8.1	4.00	12.10	12.19	12.14
f	8.5	3.90	12.41	12.65	12.53
g	8.8	3.86	12.66	13.02	12.84
h	9.3	3.78	13.08	13.59	13.34
k	9.3	9040	9.5	3.78	13.18
l	7	.	.	.	.
539	4.3	4.69	8.99	9.20	9.10
568	5.3	4.50	9.80	9.78	9.79
654	4.5	4.66	9.16	9.31	9.24
657	5.1	4.54	9.64	9.62	9.63

Seq B +88

Seq	Mag	Mag	Mag	Mag	Mag
a	6.1	4.38	10.48		
b	6.7	4.28	10.98		
c	7.0	4.23	11.23		
d	7.3	4.17	11.47		
e	7.9	4.04	11.94		
f	8.0	4.02	12.02		
g	8.3	3.95	12.25		
h	8.80	8.7	3.86	8.9	12.66
k	9.0	3.83	12.83		
l	9.60	9.5	3.78	9.7	13.38
63	4.7	4.62	9.32		
82	5.5	4.46	9.96		
144	5.8	4.42	10.22		

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#62

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94

Sequences Near N. Pole

Sc V 135366 Oct. 8, 1919 Copied Bk. 53; 84

Seq B +88°

[[5 column table]]

	Sc 1	Sc 2	P+89 Cu	Magn.
1156	4.3	4.68	8.98	
1178	5.4	4.47	9.87	
1211	5.8	4.42	10.22	
1277	5.5	4.46	9.96	
88° 2	4.0	4.70	8.70	
8	8.3	4.34	10.64	
11	5.3	4.50	9.80	

Seq M +90° Copied Bk. 53; 28

[[5 column table]]

	Sc 1	Sc 2	P +88° Cu	Magn.
a	5.5	4.44	9.94	
b	6.1	4.35	10.45	
c	6.5	4.30	10.80	
d	6.9	4.26	11.16	
e	sup. l.			
f	7.5	4.21	11.71	
g	7.9	4.19	12.09	
h	8.1	4.18	12.28	
k	8.3	4.16	12.46	
l	8.5	4.15	12.65	
m	9.0	4.12	13.12	
n	9.5	4.09	13.59	
o	F			
539	4.5	4.70	9.20	
657	5.0	4.55	9.55	

[[margin]] Images elongated [[/margin]]

94

Sequences Near N. Pole

Seq B +88°

	Sc 1	Sc 2	P+89 Cu	Magn.
1156	4.3	4.68	8.98	
1178	5.4	4.47	9.87	
1211	5.8	4.42	10.22	
1277	5.5	4.46	9.96	
88° 2	4.0	4.70	8.70	
8	8.3	4.34	10.64	
11	5.3	4.50	9.80	

Seq M +90°

	Sc 1	Sc 2	P +88° Cu	Magn.
a	5.5	4.44	9.94	
b	6.1	4.35	10.45	
c	6.5	4.30	10.80	
d	6.9	4.26	11.16	
e	sup. l.			
f	7.5	4.21	11.71	
g	7.9	4.19	12.09	
h	8.1	4.18	12.28	
k	8.3	4.16	12.46	
l	8.5	4.15	12.65	
m	9.0	4.12	13.12	
n	9.5	4.09	13.59	
o	F			
539	4.5	4.70	9.20	
657	5.0	4.55	9.55	

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95  
 Sequences Near N. Pole  
 Sc V Oct. 8, 1919  
 Seq N +89° I 35366 Copied Bk. 53; 132

[[5 column table]]

Sc 1 | Sc 2 | P +88° Cu | p. 93 Magn.

[[margin]] Images elongated]]

a	6.1	p	4.35	10.45
b	7.0		4.26	11.26
c	7.3		4.22	11.52
d	7.7		4.20	11.90
e	8.0		4.19	12.19
f	8.5		4.15	12.65
g	8.9		4.12	13.02
h	9.5		4.09	1 <del>2</del> <del>3.59</del>
k	9.7		4.07	<u>13.77</u>
l	9.8			
539	4.5	p	4.70	9.20
568	5.3		4.48	9.78
654	4.7		4.61	9.31
657	5.1		4.52	9.62

95

Sequences Near N. Pole  
 Oct. 8, 1919

Sc 1 | Sc 2 | P +88° Cu | p. 93 Magn.

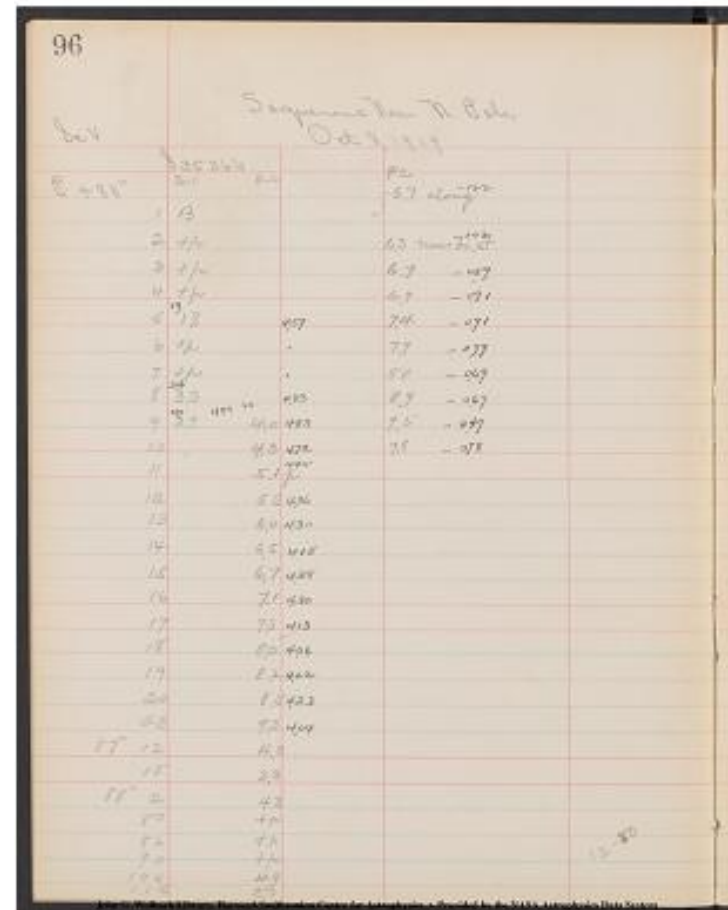
Images elongated

a	6.1	p	4.35	10.45
b	7.0		4.26	11.26
c	7.3		4.22	11.52
d	7.7		4.20	11.90
e	8.0		4.19	12.19
f	8.5		4.15	12.65
g	8.9		4.12	13.02
h	9.5		4.09	1 <del>2</del> <del>3.59</del>
k	9.7		4.07	<u>13.77</u>
l	9.8			
539	4.5	p	4.70	9.20
568	5.3		4.48	9.78
654	4.7		4.61	9.31
657	5.1		4.52	9.62

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96  
 [[5 columned page]]  
 Sequence Near N Pole  
 SeV | Oct 8, 1919  
 P +88 | 135366 | PC | 5.7 along -12.2 |  
 1 | B | | | |  
 2 | +/n | | | 6.3 near br. st 1.02 |  
 3 | +/n | | | 6.7 -0.89 |  
 4 | +/n | | | 6.9 -0.91 |  
 5 | 1.9 1.8 | 4.59 | 7.4 -0.91 |  
 6 | +/n | | | 7.9 -0.79 |  
 7 | +/n | | | 8.0 -0.69 |  
 8 | 3.4 3.3 | 4.83 | 8.9 -0.67 |  
 9 | 4.0 3.9 400 00 4.0 | 4.83 | 9.5 -0.47 |  
 10 | | 4.3 | 4.72 | 9.8 -0.78 |  
 11 | | 5.1 | 4.45 | |  
 12 | | 5.5 | 4.36 | |  
 13 | | 6.0 | 4.30 | |  
 14 | | 6.5 | 4.15 | |  
 15 | | 6.7 | 4.38 | |  
 16 | | 7.1 | 4.30 | |  
 17 | | 7.5 | 4.13 | |  
 18 | | 8.0 | 4.06 | |  
 19 | | 8.2 | 4.22 | |  
 20 | | 8.5 | 4.23 | |  
 23 | | 9.3 | 4.04 | |  
 87 12 | | 4.0 | | |  
 15 | | 3.3 | | |  
 88 2 | | 4.3 | | |  
 80 | | +n | | |  
 86 | | +n | | 12-50 |  
 90 | | +n | | |  
 105 | | 4.9 | | |  
 115 | | 5.0 | | |

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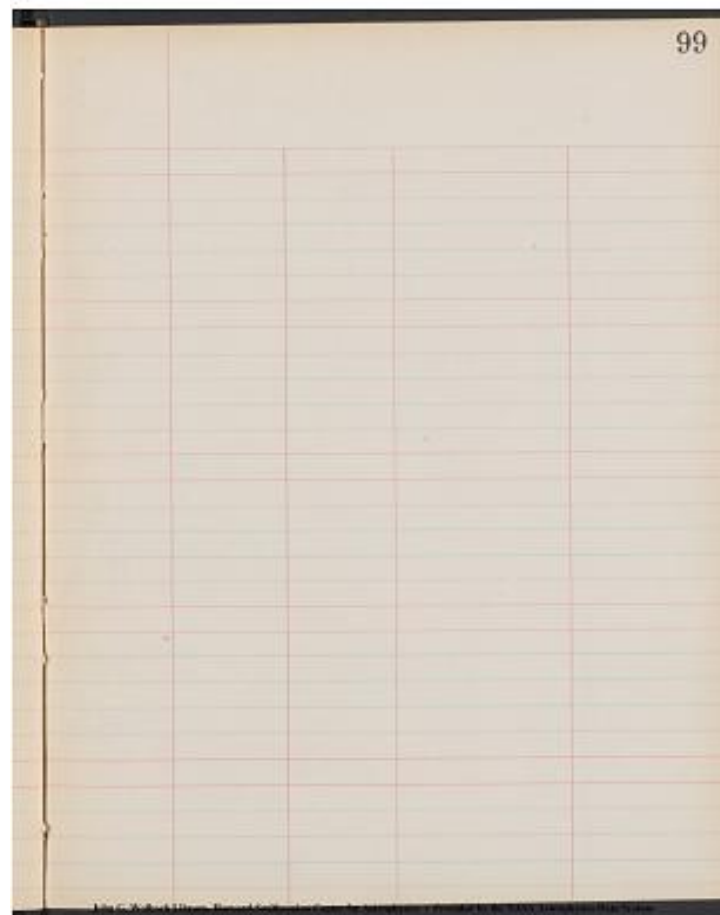
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100

Nova (J.C.M.) 20<sup>h</sup> 3<sup>m</sup> +17° 24' (1900) Sagittae  
Sept. 9, 1919 Tr? ~~Sept. 9, 1919~~  
 Estimates of brightness

I 23643 ns? ~~Tr?~~ 13.9  
 I 25732 ns? ~~Tr?~~ 13.2  
 I 25719 ns <14.1  
 I 25879 ns <14. ~~4~~ 1  
 I 21300 Does not cover reg.  
 I 23584 n.s. <13.7  
 I 20837 n.s. <13.2  
 I 17910 n.s? <14.1  
 I 15675 Does not cover reg.  
 I 16258 n.s. <14.1  
 I 16133 n.s. <14.1  
 I 18655 n.s. <13.2  
 I 7054 n.s. <13.7  
 I 7184 n.s. <13.2

AI 11938 7.1  
 AC 14609 8.9  
 AI 11933 <10.2  
 AC 14582 7.2  
 AI 11953 8.3  
 AC 14595 8.2  
 AI 11994 9.7?  
 AC 14618 9.0  
 AI 12024 <10.2?  
 AI 12053 < ~~10.9?~~ 9.7  
 AI 12040 9.9  
 MC 5709 13.6  
 AI 11809  
 AI 11899

100	
23643	ns? <del>Tr?</del> 13.9
25732	ns? <del>Tr?</del> 13.2
25719	ns <14.1
25879	ns <14. <del>4</del> 1
21300	Does not cover reg.
23584	n.s. <13.7
20837	n.s. <13.2
17910	n.s? <14.1
15675	Does not cover reg.
16258	n.s. <14.1
16133	n.s. <14.1
18655	n.s. <13.2
7054	n.s. <13.7
7184	n.s. <13.2
AI 11938	7.1
AC 14609	8.9
AI 11933	<10.2
AC 14582	7.2
AI 11953	8.3
AC 14595	8.2
AI 11994	9.7?
AC 14618	9.0
AI 12024	<10.2?
AI 12053	< <del>10.9?</del> 9.7
AI 12040	9.9
MC 5709	13.6
AI 11809	
AI 11899	

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Nova. J.D.M.  
Sept 10, 1919

[[Four Columned Table]]

ac	13438	< 11.2
ac	14210	< 11.8
ac	14281	< 11.2
ac	14240	< 11.2
ac	14267	
ac	13442	< 10.9
ac	14322	< 9.7
ac	14394	< 11.2
ac	14422	< 11.2
ac	14471	< 10.2
ac	14492	< 12.5
ac	14528	< 11.8
ac	14086	+ 12
ac	14216	< 11.8
ac	14222	< 11.2
ac	14012	< 10.9
ac	14018	< 11.8
mc	16228	14.4
mc	16227	14.8
mc	5810	13.7
mc	6338	13.7
mc	6411	14.1
mc	11340	< <del>14.2</del> <del>14.8</del>
mc	1333	< 14.4
mc	11339	< 13.7

Light- very poor!

101

Thru. 10/21

Sept 10, 1919

✓	13438	< 11.2
✓	14210	< 11.8
✓	14281	< 11.2
✓	14240	< 11.2
✓	14267	< 11.2
✓	13442	< 10.9
✓	14322	< 9.7
✓	14394	< 11.2
✓	14422	< 11.2
✓	14471	< 10.2
✓	14492	< 12.5
✓	14528	< 11.8
✓	14086	+ 12
✓	14216	< 11.8
✓	14222	< 11.2
✓	14012	< 10.9
✓	14018	< 11.8
✓	16228	14.4
✓	16227	14.8
✓	5810	13.7
✓	6338	13.7
✓	6411	14.1
✓	11340	< <del>14.2</del> <del>14.8</del>
✓	1333	< 14.4
✓	11339	< 13.7

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[[stamp]] YELLOW [[/stamp]]

Sequence Near N Pole

10-00 Oct 14, 1919

Sc V MC 16062 Pole (Superposed on D 17771)

Take Mean with MC 16069, p. 130

[[6 column table]]

	Sc 1	Sc 2	g	h	PC
1	Off pl.				
2	Off pl.				
3	1.0	6.9	6.7	7.7	
4	Off pl.		<del>7.7</del>	<del>8</del>	
5	2.0	7.5	7.7	8.3	
6	2.5	2.7	8.5	8.7	
7	3.0	9.1	Scr.		
8	4.1	4.2			
9	5.1	5.3	5.20	1	1
10	5.7				
11	6.9	6.7	6.80	1	1
12	7.1				
13	7.8				
14	8.1				
15	8.8				
16	9.3				
17	9.7				
18	F				
2r	2.0	7.5	7.5	8.1	
3r	3.1	9.0	9.0	n.s.	
4r	4.3				
5r	5.1				
6r	6.0				
7r	6.8				
8r	7.9				
9r	8.8				
10r	n.s.				

102

YELLOW

Sequence Near N Pole

Oct 14, 1919

Take Mean with MC 16069, p. 130

Sc V MC 16062 Pole (Superposed on D 17771)

[[6 column table]]

	Sc 1	Sc 2	g	h	PC
1	Off pl.				
2	Off pl.				
3	1.0	6.9	6.7	7.7	
4	Off pl.		<del>7.7</del>	<del>8</del>	
5	2.0	7.5	7.7	8.3	
6	2.5	2.7	8.5	8.7	
7	3.0	9.1	Scr.		
8	4.1	4.2			
9	5.1	5.3	5.20	1	1
10	5.7				
11	6.9	6.7	6.80	1	1
12	7.1				
13	7.8				
14	8.1				
15	8.8				
16	9.3				
17	9.7				
18	F				
2r	2.0	7.5	7.5	8.1	
3r	3.1	9.0	9.0	n.s.	
4r	4.3				
5r	5.1				
6r	6.0				
7r	6.8				
8r	7.9				
9r	8.8				
10r	n.s.				

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[[stamp]] YELLOW [[/stamp]]

Sequence Near N Pole

Sc V Oct 14, 1919

MC 16062 cont.

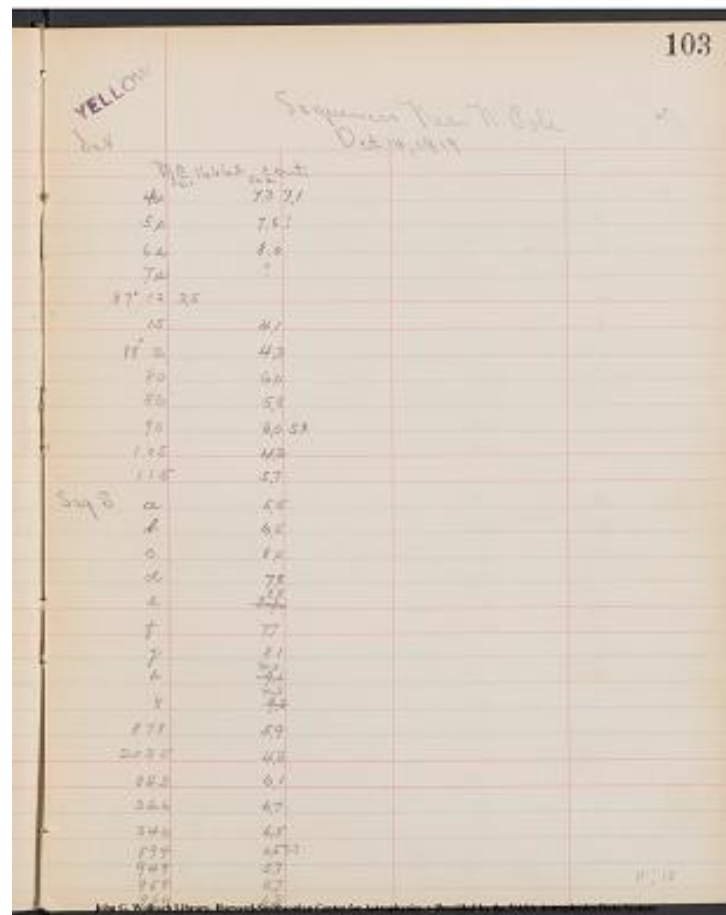
[[3 column table]]

	Sc 1	Sc 2
4s	7.3 7.1	
5s	7.5?	
6s	8.0	
7s	?	
87° 12	3.5	
15	4.1	
88° 2	4.3	
80	6.0	
86	5.5	
90	6.0 5.8	
105	4.3	
115	5.7	

Seq delta

a	5.5
b	6.5
c	8.0
d	7.8
e	<del>Sup.</del> 8.8
f	7.7
g	8.1
h	<del>9.1</del> n.s.
k	<del>9.3</del> n.s.
878	5.9
2035	4.3
323	6.1
326	6.7
346	6.5
894	6.5 6.3
949	5.7
958	6.7
966	6.3

11:10



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104

[[stamp]] YELLOW [[/stamp]]

Sequence Near N Pole

Sc V Oct 17, 1919

10-05 MC 16062

Seq A

[[3 column table]]

	Sc 1	Sc 2
--	------	------

a	8.3
b	8.9
c	9.3 9.5
d	9.8
e	9.8
f	n.s.
1266	6.6
2056	6.5

Seq delta

[[margin]] in corner of pl. [[/margin]]

a	5.1
b	6.1
c	9.0
d	9.3?
e	9.3?

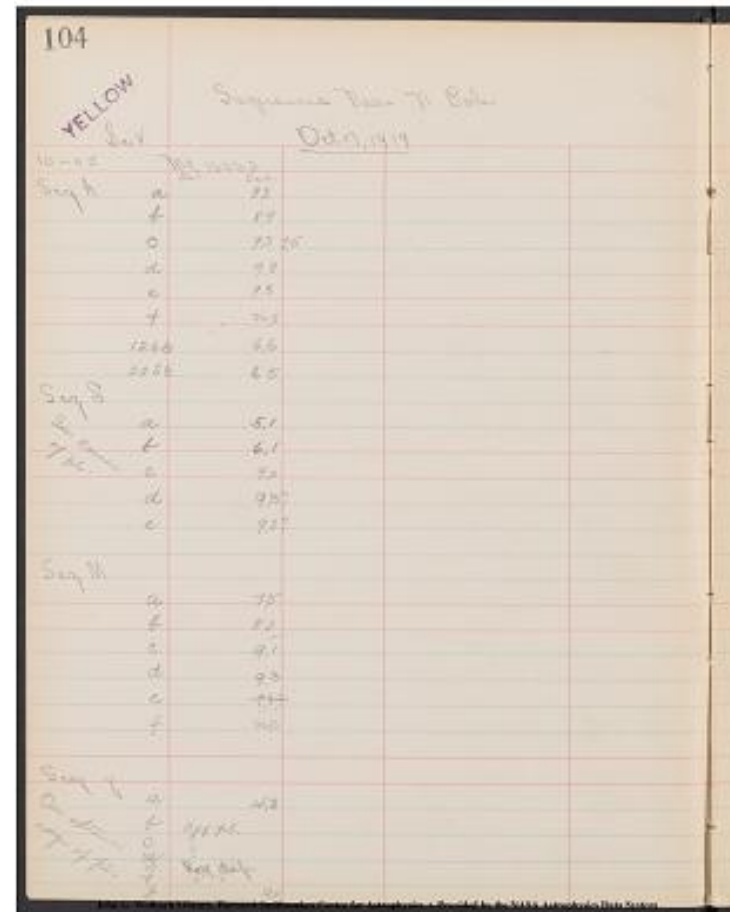
Seq M

a	7.5
b	8.0
c	9.1
d	9.3
e	9.8?
f	n.s.

Seq gamma

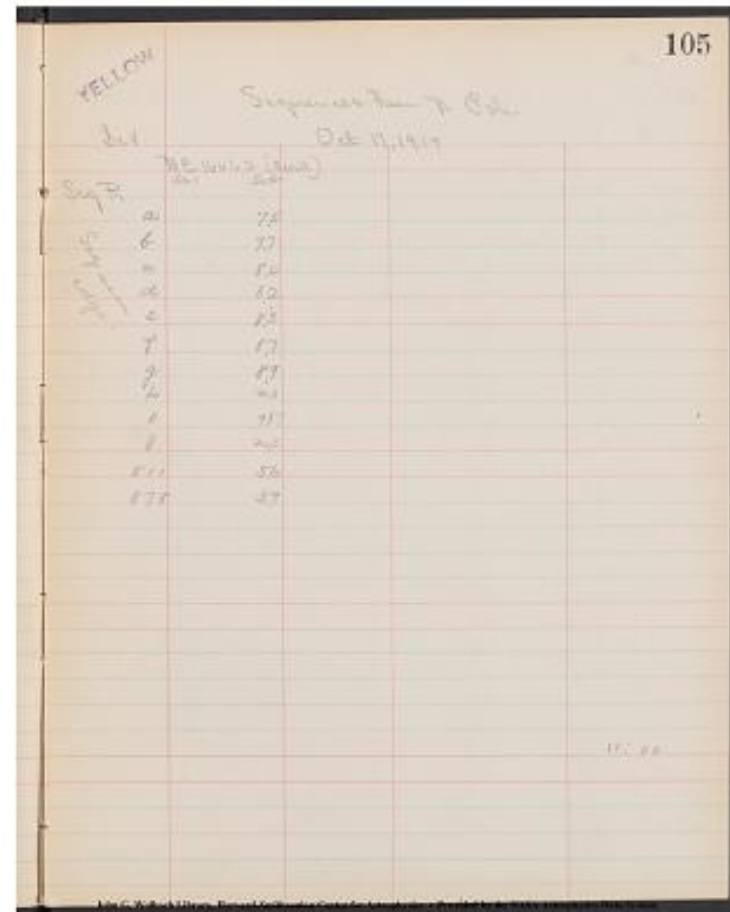
[[margin]] On extreme edge of pl. [[/margin]]

a	4.3
b	off pl.
c	?
<del>d</del>	<del>?  </del>
e	Reg. def.
f	Reg. def.
g	9.0



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#62  
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105  
 Sequences Near N Pole  
 Sev Oct 17, 1919  
 Mc 16062 (cont)  
 [[3 column chart]]  
 Seq R | Sc 1 | Sc 2 |  
 a | 7.5 |  
 b | 7.7 |  
 c | 8.0 |  
 d | 8.2 |  
 e | 8.3 |  
 f | 8.7 |  
 g | 8.9 |  
 h | n.s |  
 k | 9.8? |  
 l | n.s |  
 811 | 5.6 |  
 878 | 5.9 |



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 #62  
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106  
[[stamp]] YELLOW [[/stamp]]

Sequence Near N Pole Plot for Distance

Scv Oct 17, 1919  
12 MC16063 Pole

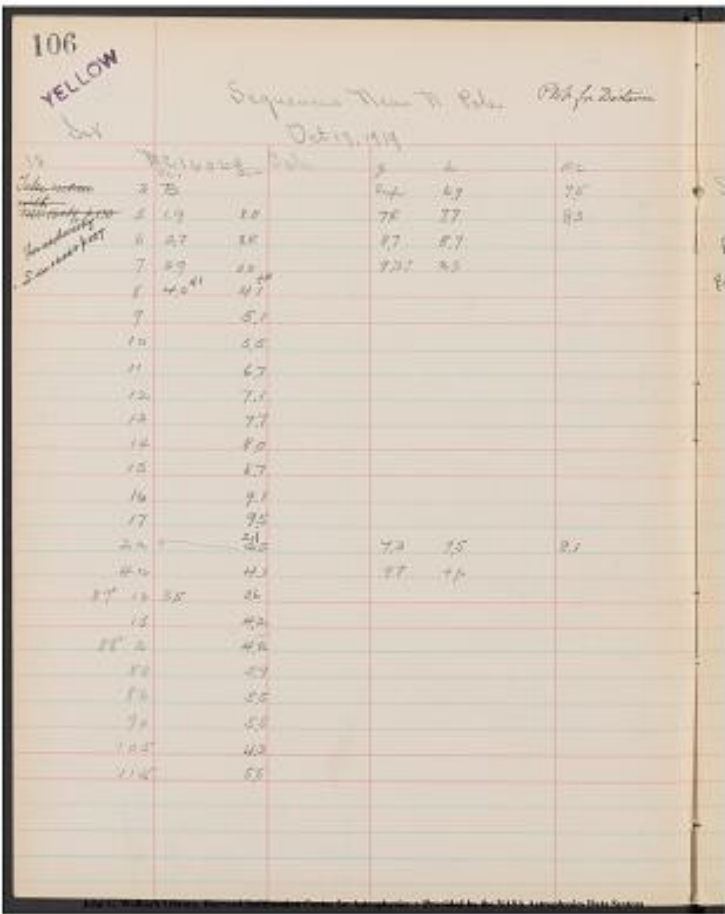
[[Left Margin]] ~~Take mean with MC16069, p. 130~~  
For reducing Sov 16063 p. 107 ~~[[/Left Margin]]~~

[[8 Columned Table]]

	Sc1	Sc2	g	h	pc
3	B		Sup	6.9	7.5
5	1.9	2.0		7.5	7.7   8.3
6	2.7	2.8		8.7	8.7
7	2.9	3.0		9.3?	n.s.
8	4.0 <sup>^</sup> [[4.1]]			4.1 <sup>^</sup> [[4.10]]	
9	5.1				
10	5.5				
11	6.7				
12	7.1				
13	7.7				
14	8.0				
15	8.7				
16	9.1				
17	9.5				
2r			[[symbol - arrow]]	2.0 <sup>^</sup> [[2.1]]	7.3   7.5   8.1
4r	4.1	9.7	tp		
87°	12	3.5	3.6		
15	4.2				
88°	2	4.2			
80	5.9				
86	5.5				
90	5.5				
105	4.3				
115	5.5				

[[/Columned Table]]

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107

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole Plot for Dist.

Dev Oct 17, 1919

Me16063 (cout)

[[margin, strikethrough]]Pictures with Pou MC16063 B.106[[/margin, /strikethrough]]

Seq S

[[3 column table]]

| Sc1 | Sc2 |

| --- | --- |

a | 5.5 |

b | 6.3 |

c | 8.0 |

d | 7.5 |

e | 8.5 |

f | 7.5 |

g | 7.9 |

h | n.s |

k | 9.5? |

l | 9.0 8.9 |

878 | 5.5 |

2035 | 4.1 |

323 | 6.2 |

326 | 6.5 |

346 | 6.5 |

894 | 5.9 6.1 |

949 | 5.5 |

958 | 6.7 |

966 | 6.1 |

12.50

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108

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole Plot for Dist.

Dev October 18, 1919

11:45 MC 16063

[[3 column table]]

Seq A

	Sc 1	Sc 2
a	8.1	
b	8.7	
c	9.1	
d	9.7	
e	9.9	
f	n.s.	

Seq S

a	5.3
b	6.1
c	9.0
d	9.5
e	9.7
f	n.s.

1266 6.5  
2056 6.3

Seq M

a	7.7
b	8.1
c	<del>Scr.</del> 9.3
d	9.7?
e	n.s.

108  
YELLOW

Sequences Near N Pole Plot for Dist.  
Oct 18, 1919

Seq A	a	8.1
	b	8.7
	c	9.1
	d	9.7
	e	9.9
	f	n.s.
Seq S	a	5.3
	b	6.1
	c	9.0
	d	9.5
	e	9.7
	f	n.s.
	1266	6.5
	2056	6.3
Seq M	a	7.7
	b	8.1
	c	<del>Scr.</del> 9.3
	d	9.7?
	e	n.s.

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109

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole Plot for Dist

DeV Oct 18, 1919

MC16063

Seq gamma

[[3 column table]]

| Sc 1 | Sc 2

---|---|---

a| 4.2|

b| ~~n.s~~7.5| |

[[margin]]Seq. on edge of plate[[/margin]]

b'| 7.1|

c| n.s ~~8.5?~~6.9|

d|no star| ?|

e| ~~7.5~~Scr|

f| 7|

g| 8.5|8.7|

h| 9.1| |

Seq R

a| 7.5|

b| 7.8|

c| 8.0|

d| 8.1|

e| 8.3|

f| 8.5|

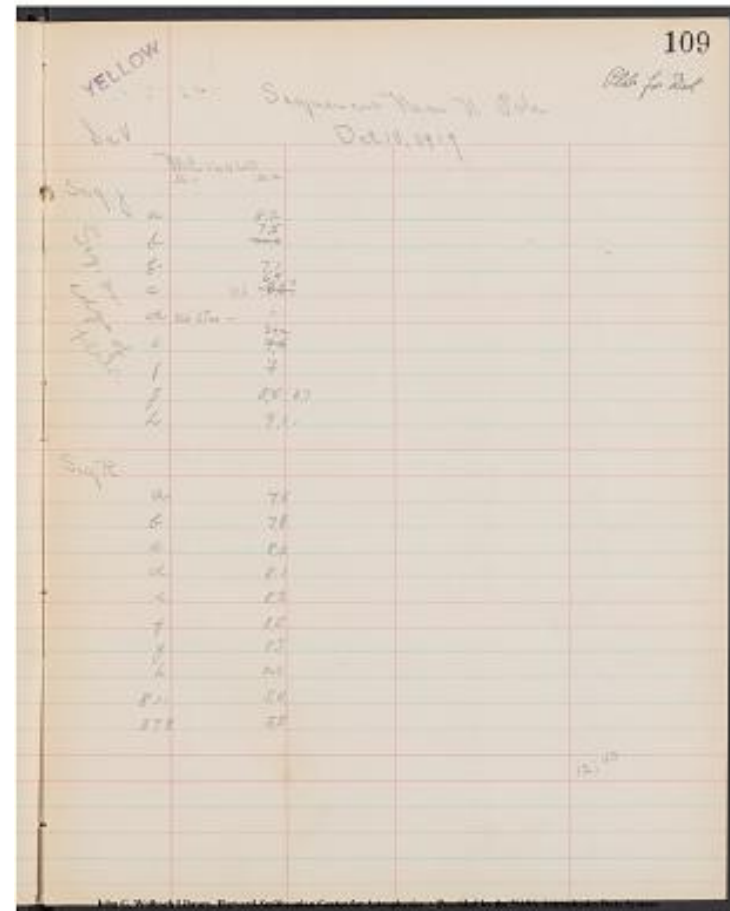
g| 8.7|

h| n.s|

811| 5.5|

878| 5.5|

12:40



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111

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole Plot for Dist.

Sc V Oct 18, 1919  
MC 16064 (cont)

[[3 column table]]

Seq	S	Sc 1	Sc 2
a		5.3	
b		6.2	
c		7.8	
d		7.5	
e		8.3	
f		7.2	
g		7.8	
h		8.9?	
k		9.3?	
l		9.1	
878		5.4	
2035		3.9	
323		6.0	
326		6.5	
346		6.7	
894		5.8	
949		5.5	
958		5.7	
966		6.0	

Light poor 2:50

111

YELLOW

Sequences Near N Pole Plot for Dist.

Oct 18, 1919

Mc 16064 (cont)

a	5.3
b	6.2
c	7.8
d	7.5
e	8.3
f	7.2
g	7.8
h	8.9?
k	9.3?
l	9.1
878	5.4
2035	3.9
323	6.0
326	6.5
346	6.7
894	5.8
949	5.5
958	5.7
966	6.0

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112

[[stamp]]YELLOW

Plh[[?]] for Dict.

Sequences Near N Pole

ScV [[underlined]]Oct 20, 1919[[/underlined]]

10\_ | MC 16064(cout)

Seq A | Sc 1 | Sc 2 | |

a | 7.5 | 7.7 |

b | 8.0 |

c | 8.3 |

d | 8.7 |

e | 9.0 |

f | 9.8? |

Seq S

a | 4.9 |

b | 5.8 |

c | 8.7 |

d | 9.0 |

e | 9.5 |

f | 9.7? |

1266 | 6.3 |

2056 | 6.4 |

Seq M

a | 7.5 |

b | 7.9 |

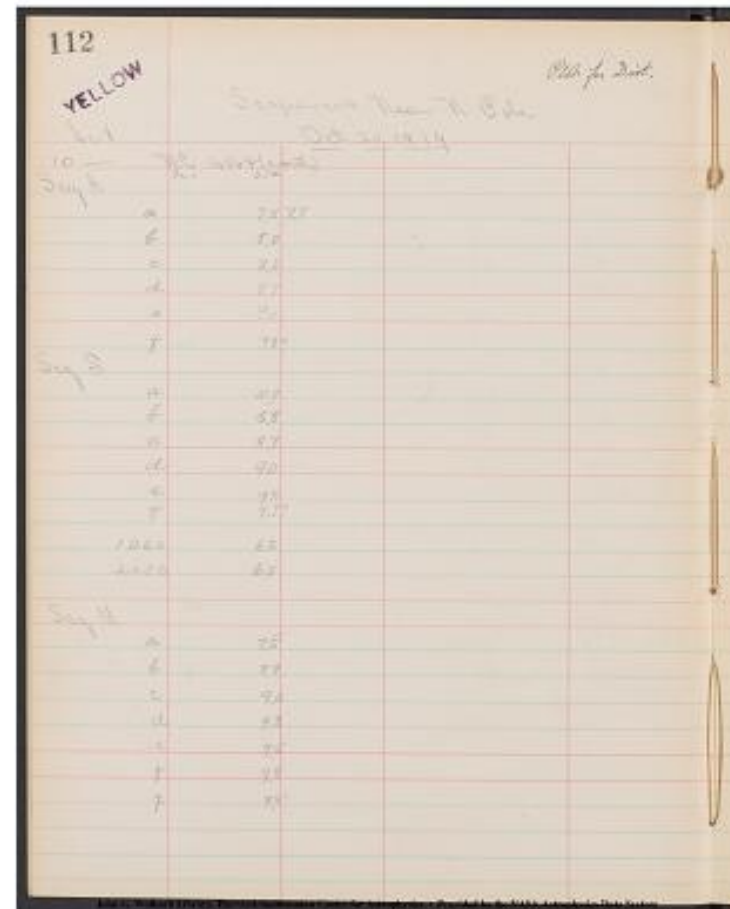
c | 9.0 |

d | 9.3 |

e | 9.5 |

f | 9.8 |

g | 9.8? |



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[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole Plot for Dist

Sc V Oct 20, 1919

MC 16064 (cont.)

Seq gamma

[[3 column table]]

|---|---|---|  
| Sc 1 | Sc 2

a | 4.1

b | on edge |

c | 6.3

M star d | | ~~?~~

e | | ~~7.2~~ n.s.

f | 9.5

g | 7.8

b' | 6.9

h | 8.9

k | n.s.

Seq R

a | 7.1

b | 7.5

c | 7.7

d | 7.9

e | 8.9~~8.9~~

f | 8.1

g | 8.1

h | 9.0

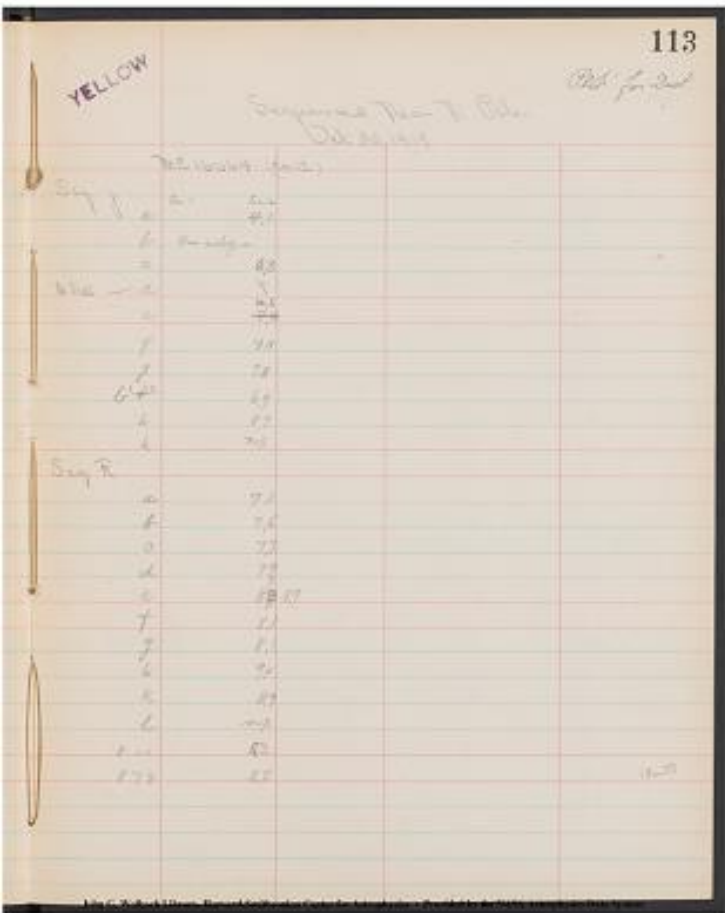
k | 8.9

l | n.s.

811 | 5.3

878 | 5.5

10:50



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114

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole Plot for Dist.

Sc V Oct 20, 1919

11: 30 MC 16065 Pole

[[6 column table]]

	Sc 1	Sc 2	g	h	pc
1	B		4.1	4.3	5.7
3	B		tp	tp	7.3
4	1.2		6.1	6.3	7.5
5	2.0		7.3	tp	8.0
6	2.5		8.5	tp	8.9?
7	2.8		[[strikethrough]] 7 [[/strikethrough]] 9.3?   tp   9.0?		
8	3.9	4.1			
9	5.3				
10	5.5				
11	6.5				
12	6.9				
13	7.9	7.7			
14	8.1				
15	8.9				
16	9.1				
17	9.3				
18	9.8?				
2r	2.0		7.1	7.0	8.1
4r	4.1				
87°12	tp				
15	tp				
88°2	4.1				
80	5.8				
86	5.5				
90	5.5				
105	4.2				
115	5.7				

114  
YELLOW

Sequences Near N Pole Plot for Dist.

Oct 20, 1919

	Sc 1	Sc 2	g	h	pc
1	B		4.1	4.3	5.7
3	B		tp	tp	7.3
4	1.2		6.1	6.3	7.5
5	2.0		7.3	tp	8.0
6	2.5		8.5	tp	8.9?
7	2.8		[[strikethrough]] 7 [[/strikethrough]] 9.3?   tp   9.0?		
8	3.9	4.1			
9	5.3				
10	5.5				
11	6.5				
12	6.9				
13	7.9	7.7			
14	8.1				
15	8.9				
16	9.1				
17	9.3				
18	9.8?				
2r	2.0		7.1	7.0	8.1
4r	4.1				
87°12	tp				
15	tp				
88°2	4.1				
80	5.8				
86	5.5				
90	5.5				
105	4.2				
115	5.7				

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[[stamp]]YELLOW[[/stamp]]

115

[[Plot?]] for Dist.

Sequences Near N Pole

ScV Oct 20, 1919

MC 16065 cont

Seq S

	Sc1	Sc2
--	-----	-----

a	5.1
---	-----

b	6.0
---	-----

c	7.8
---	-----

d	7.3
---	-----

e	8.3
---	-----

f	7.3
---	-----

g	7.7
---	-----

h	F
---	---

k	F
---	---

l	9.0
---	-----

878	5.3
-----	-----

2035	3.8
------	-----

323	6.3
-----	-----

326	off pl
-----	--------

346	"
-----	---

894	5.9
-----	-----

949	5.5
-----	-----

958	6.3
-----	-----

966	5.9
-----	-----

Seq A

a	8.0
---	-----

b	8.5
---	-----

c	8.7
---	-----

d	9.1 9.3
---	---------

e	9.5
---	-----

f	F
---	---

over

	Sc1	Sc2
a	5.1	
b	6.0	
c	7.8	
d	7.3	
e	8.3	
f	7.3	
g	7.7	
h	F	
k	F	
l	9.0	
878	5.3	
2035	3.8	
323	6.3	
326	off pl	
346	"	
894	5.9	
949	5.5	
958	6.3	
966	5.9	

	Sc1	Sc2
a	8.0	
b	8.5	
c	8.7	
d	9.1 9.3	
e	9.5	
f	F	

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62

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116

Path for Dist.

Sequences Near N Pole

Sc V      Oct 20, 1919

~~1.30~~ | Me 16065

Seq delta

[[3 column table]]

	Sc 1	Sc 2
a	4.9	
b	5.7	
c	8.5	
d	8.9	
e	9.2	
f	9.8?	

1266	6.1	
2056	6.5	12.35

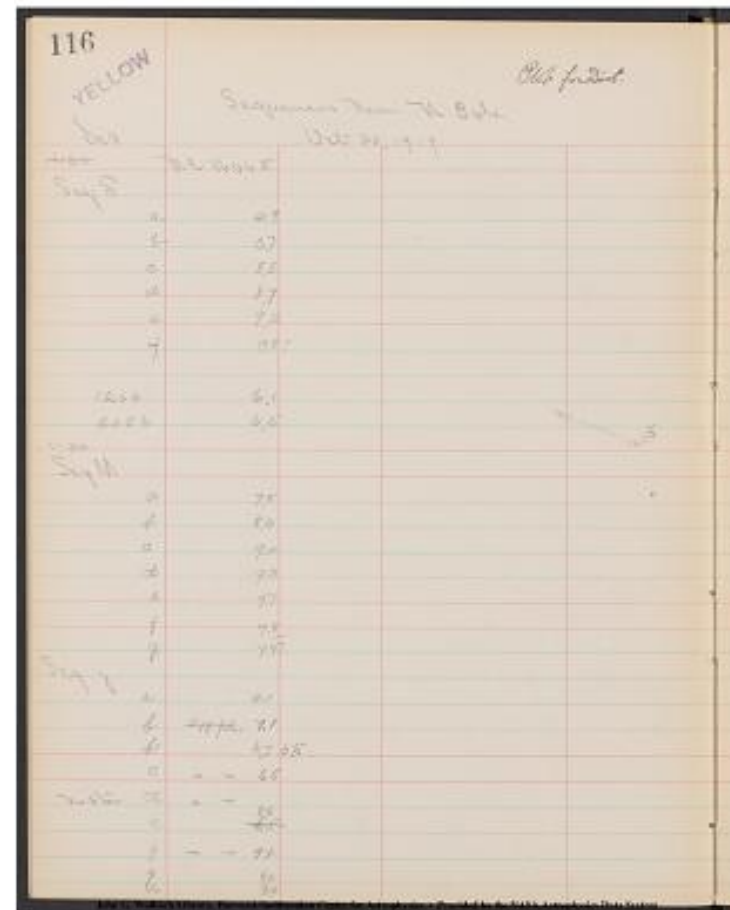
1:30

Seq M

a	7.5
b	8.0
c	9.0
d	9.3
e	9.7
f	9.8
g	9.9?

Seq gamma

a	4.1
b	<del>off pl.</del>   7.1
b'	6.7 6.5
c	6.5
No. Star d	
e	<del>6.5</del>   8.5
f	9.0
g	8.0
h	9.0



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#62  
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117

[[stamp]] YELLOW [[/YELLOW]]

Sequences Near N Pole Plot for Dist.

Sc V Oct 20, 1919

MC 16065

Seq R

[[3 column table]]

	Sc 1	Sc 2
a	7.1	
b	7.5	
c	7.8	
d	7.9	
e	8.9 9.0	
f	8.3	
g	8.5	
h	9.5 9.5?	
k	8.9	
l	9.8	
811	5.4	
878	5.5	

Seq R	Distance	M
a	7.1	
b	7.5	
c	7.8	
d	7.9	
e	8.9 9.0	
f	8.3	
g	8.5	
h	9.5 9.5?	
k	8.9	
l	9.8	
811	5.4	
878	5.5	

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62

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Extracted Sep-28-2022 04:30:05

118

Plh[[?]] for Dict.

Sequences near N Pole

[[stamp]] YELLOW

Sev October 21, 1919

10-30 Me16066|Pole|

se1 se2 | |g|h|pe  
1|B| |B B|5.5  
3|on edge-| | - -|  
4|1.4| |6.1|6.3|7.3  
5|1.9| |7.7|7.9|8.2  
6|on edge of files[[?]]| | - -|  
7|th| | - -|  
8|off hl|  
9| " |  
10|5.9|  
11|6.7|  
12|7.1|  
13|7.7|  
14|8.1|  
15|9.0|  
16|9.5|  
17|9.8|  
2r|2.1|7.1|7.1|7.1|8.3|  
4r|4.3|  
87° 12|off hl|  
15| " |  
88° 2|3.9|  
80|6.0|  
86|5.7|  
90|5.5|  
105|4.5|  
115|5.9|

118  
YELLOW

Sequences near N Pole  
Oct 21 1919

10-30	Me16066	Pole			
1	B	B	5.5		
3	on edge-				
4	1.4	6.1	6.3	7.3	
5	1.9	7.7	7.9	8.2	
6	on edge of files[[?]]				
7	th				
8	off hl				
9	"				
10	5.9				
11	6.7				
12	7.1				
13	7.7				
14	8.1				
15	9.0				
16	9.5				
17	9.8				
2r	2.1	7.1	7.1	7.1	8.3
4r	4.3				
87° 12	off hl				
15	"				
88° 2	3.9				
80	6.0				
86	5.7				
90	5.5				
105	4.5				
115	5.9				

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119  
 [[stamp]]YELLOW[[/stamp]]  
 Plot for Dist.  
 Sequences Near N Pole  
 ScV Oct 21, 1919  
 MC 16066 (cont)  
 Seq S  

	Sc1	Sc2
a	5.5	
b	6.5	
c	7.8	
d	sup	
e	8.5	
f	7.5	
g	7.7	
h	n.s	
k	n.s	
l	9.0	
878	5.5	
2035	4.0	
323	off pl	
326	off pl	
346	off pl	
894	6.1	
949	5.5	
958	6.3	
966	6.0	

 Seq A  

a	8.3
b	8.7
c	9.0
d	9.5
e	9.7
f	n.s

over

119

YELLOW

Sequences Near N Pole

Oct 21, 1919

Plot for Dist.

Seq	Sc1	Sc2
a	5.5	
b	6.5	
c	7.8	
d	sup	
e	8.5	
f	7.5	
g	7.7	
h	n.s	
k	n.s	
l	9.0	
878	5.5	
2035	4.0	
323	off pl	
326	off pl	
346	off pl	
894	6.1	
949	5.5	
958	6.3	
966	6.0	

Seq A

a	8.3
b	8.7
c	9.0
d	9.5
e	9.7
f	n.s

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates  
 #62  
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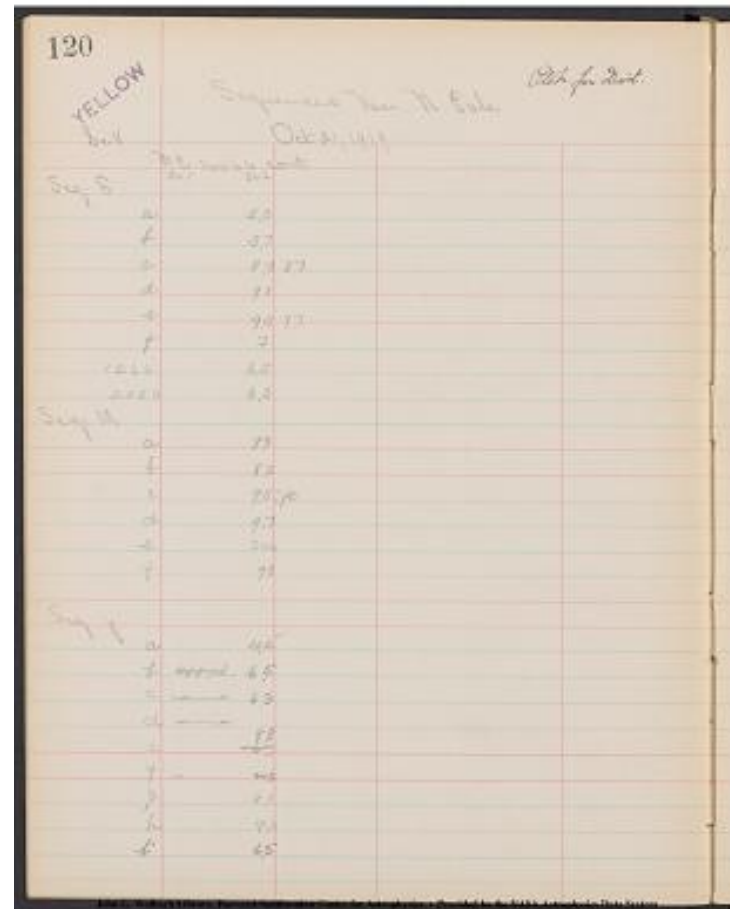
120  
 Plot for Dist.  
 Sequences Near N Pole  
 Sc V Oct 21, 1919  
 MC 16066 (cont)  
 Seq S  
 Sc 1 | Sc 2 |  
 a | 5.0  
 b | 5.7  
 c | 8.9 | 8.7  
 d | 9.1  
 e | 9.5 | 9.7  
 f | 7  
 1266 | 6.5  
 2056 | 6.3

Seq M

a | 7.8  
 b | 8.3  
 c | 9.5 | ? ft  
 d | 9.7  
 e | Scr  
 f | 9.8

Seq gamma

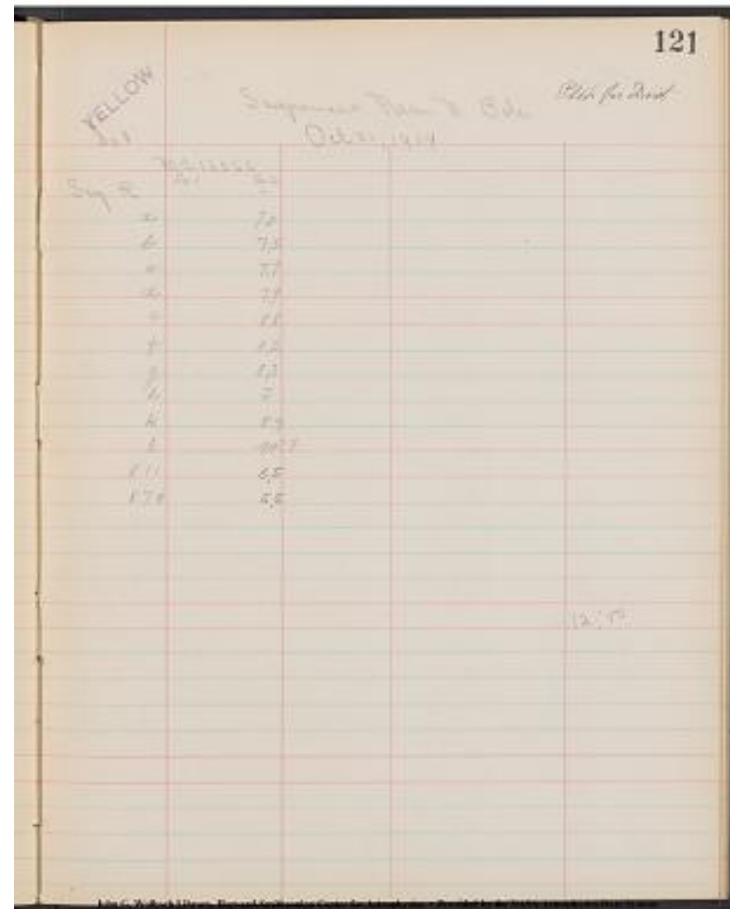
a | 4.2  
 b | ~~off pl.~~ | 6.5  
 c | ~~off pl.~~ | 6.3  
 d | ~~off pl.~~ |  
 e | ~~6.7~~ | 8.8  
 f | n.s.  
 g | 8.1  
 h | 9.0  
 i' | 6.5



Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62  
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121  
 [[stamp]]YELLOW[[/stamp]]  
 Plot for Dist.  
 Sequences Near N Pole  
 Sc V Oct 21, 1919  
 MC 16066 (cont)  
 Seq R  
 [[3 column table]]  
 |---|---|---|  
 | Sc 1 | Sc 2 |  
 a | 7.0  
 b | 7.5  
 c | 7.7  
 d | 7.9  
 e | 8.8  
 f | 8.2  
 g | 8.3  
 h | 7  
 k | 8.9  
 l | | ~~9.9~~ ? | 7  
 8 11 | 5.5  
 8 78 | 5.5

12:50



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 #62  
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122

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole Plot for Dist.

Sc V

[[u]] Oct 2~~2~~ 1, 1919  
[[/u]]

12-15 MC 16067 Pole

[[5 columns]]

|Sc1 Sc2| |g h|Pc|

1|B | |B B|5.5|

3|Edge of film| | |

4|1.5 | | |7.5|

5|Off pl.| | |

6| | | |

7|tp | | |9.0|

8|Off pl| | |

9| | | |

10|Scr. | | |

11| 6.9| | |

12| 7.1| | |

13| 7.8| | |

14| 8.1| | |

Near Scr. 15| 9.0| | |

16| 9.3| | |

17| 9.5| | |

2r|20 | |7.1 7.1|8.1|

4r| 41| | |

87° 12|Off pl| | |

15| | | |

88° 2|<sup>^</sup>[[tp]]~~off pl~~ | | |

80| 6.0| | |

86| 5.8| | |

90| 5.5| | |

105| 4.3| | |

115| 5.7| | |

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Provided by the NASA Astrophysics Data System

122

YELLOW

Sequences Near N Pole

Oct 2, 1919

Sc1	Sc2	g	h	Pc
1	B	B	B	5.5
3	Edge of film			
4	1.5			7.5
5	Off pl.			
6				
7	tp			9.0
8	Off pl.			
9				
10	Scr.			
11	6.9			
12	7.1			
13	7.8			
14	8.1			
15	9.0			
16	9.3			
17	9.5			
2r	20	7.1	7.1	8.1
4r	41			
87° 12	Off pl.			
15				
88° 2	<sup>^</sup> [[tp]] <del>off pl</del>			
80	6.0			
86	5.8			
90	5.5			
105	4.3			
115	5.7			

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62  
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123  
 [[stamp]]YELLOW[[/stamp]]  
 Plot for Dist.  
 Sequences Near N Pole  
 Sc V Oct 21, 1919  
 MC 16067 (cont)  
 Seq S  
 [[3 column table]]  
 |---|---|---|  
 | Sc 1 | Sc 2 |  
 a | 5.4  
 b | 6.5  
 c | 7.7  
 d | 7.8 7.3  
 e | 8.7  
 f | 7.5  
 g | 7.7  
 h | 8.8  
 k | F  
 l | 9.0  
 878 | 5.5  
 2035 | 4.1  
 323 | off pl. |  
 326 | off pl. |  
 346 | off pl. |  
 894 | 6.1  
 949 | 5.5  
 958 | 6.3  
 966 | 6.1

1:05

123

YELLOW

Seq V

Sequences Near N Pole

Oct 21, 1919

Seq S

Sc 1	Sc 2
a	5.4
b	6.5
c	7.7
d	7.8 7.3
e	8.7
f	7.5
g	7.7
h	8.8
k	F
l	9.0
878	5.5
2035	4.1
323	off pl.
326	off pl.
346	off pl.
894	6.1
949	5.5
958	6.3
966	6.1

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125

[[stamp]]YELLOW[[/stamp]]

Plot for Dist.

Sequences Near N Pole

Sc V Oct 22, 1919

11:45 MC 16067

Seq gamma

[[3 column table]]

---|---|---

| Sc 1 | Sc 2 |

a | 4.0

b | ~~[[strikethrough]] n.s. [[/strikethrough]] 7.0~~

b' | 6.5 | 6.7

~~[[strikethrough]] not marked [[/strikethrough]]~~

c | 6.5

d |

e | 6.7

~~[[strikethrough]] f [[/strikethrough]] | | 7~~

g | 8.1

h | 9.2

k | scr.

Seq. R

a | 7.1

b | 7.7

c | 7.8

d | 8.0

e | 9.0

f | 8.5

g | 8.5

h | n.s.

k | 8.8

l | 9.8

811 | 5.5

878 | 5.8

12:40

125

YELLOW

Sequences Near N Pole

Oct 22, 1919

Plot for Dist.

Seq	Dist	Seq	Dist
a	4.0	a	7.1
b	<del>[[strikethrough]] n.s. [[/strikethrough]] 7.0</del>	b	7.7
b'	6.5   6.7	c	7.8
<del>[[strikethrough]] not marked [[/strikethrough]]</del>		d	8.0
c	6.5	e	9.0
d		f	8.5
e	6.7	g	8.5
<del>[[strikethrough]] f [[/strikethrough]]     7</del>		h	n.s.
g	8.1	k	8.8
h	9.2	l	9.8
k	scr.	811	5.5
		878	5.8

Seq. R

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126  
 [[stamp]]YELLOW[[/stamp]]  
 Plot for Dist.  
 Sequences Near N Pole  
 Sc V Oct 23, 1919  
 9:30 MC 16068 Pole

[[6 column table]]

	Sc 1	Sc 2	g	h	Pc
1	B	B	B	5.7	
3	Off pl.				
4	B	6.5	6.5	7.5	
5	Off pl.				
6	Off pl.				
7	3.0 p				
8	Off pl.				
9	Off pl.				
10	Off pl.				
11	6.9				
12	7.2				
13	7.7				
14	Off pl.				
15	Off pl.				
16	On edge of film				
17	9.5 9.7				
2r	1.5	7.1	elong.	7.9	
4r	4.0				
87° 12	Off pl.				
15	Off pl.				
88° 2	Off pl.				
80	5.9				
86	5.5				
90	5.7				
105	4.2				
115	5.9				

126  
 YELLOW  
 Sequences Near N Pole  
 Plot for Dist.  
 Oct 23, 1919

1	B	6.5	6.5	7.5
2	Off pl.			
3	Off pl.			
4	Off pl.			
5	Off pl.			
6	Off pl.			
7	3.0 p			
8	Off pl.			
9	Off pl.			
10	Off pl.			
11	6.9			
12	7.2			
13	7.7			
14	Off pl.			
15	Off pl.			
16	On edge of film			
17	9.5 9.7			
2r	1.5	7.1	elong.	7.9
4r	4.0			
87° 12	Off pl.			
15	Off pl.			
88° 2	Off pl.			
80	5.9			
86	5.5			
90	5.7			
105	4.2			
115	5.9			

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127  
 Plot for Dist.  
 Sequences Near N Pole  
 Sc V Oct 23, 1919  
 11:45 MC 16068 (cont.)  
 Seq S

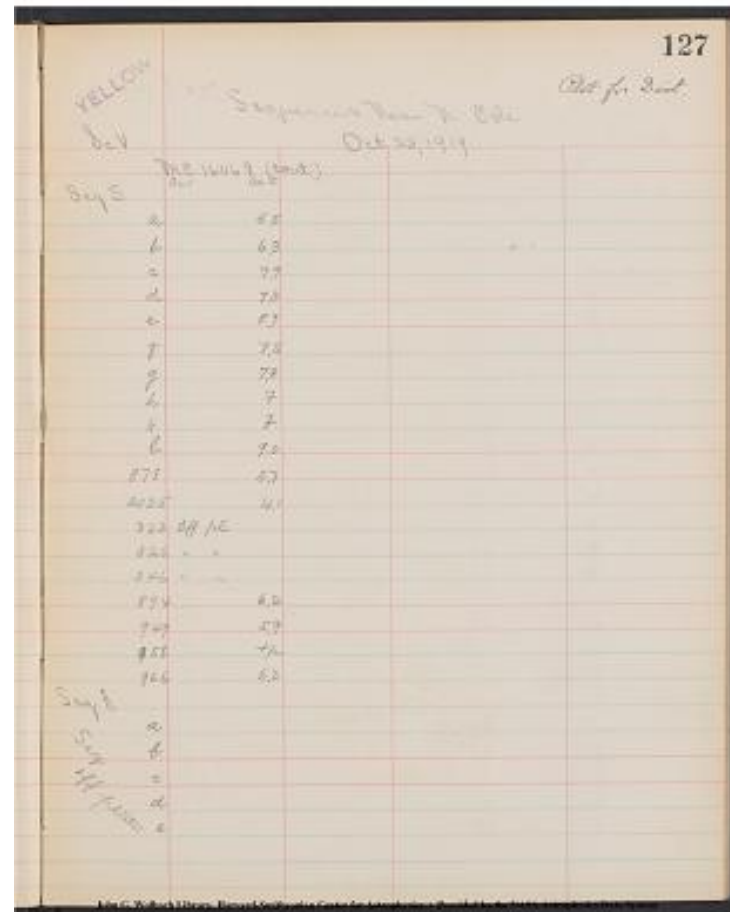
[[3 column table]]

Sc 1 | Sc 2 |

a	5.5
b	6.3
c	7.9
d	7.3
e	8.9
f	7.5
g	7.8
h	7
k	7
l	9.0
878	5.7
2035	4.1
323	off pl.
326	off pl.
346	off pl.
894	6.2
949	5.9
958	+p
966	6.3

Seq A  
 Seq off plate

a	
b	
c	
d	
e	



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128

[[stamp]] YELLOW [[/stamp]]

Sequence Near N Pole Plot for Dist

Sc V Oct 23, 1919

MC16068 (cont)

Seq. Delta

[[3-column table]]

Sc 1	Sc 2	

|a|Off pl| |

|b|off pl| |

[[margin]]On edge of film [[/sidmarginbar]]

|c| | |

|d| | |

|e| | |

|1266|Off pl| |

|2056|On edge of film| |

Seq. M

|a| 7.7|

|b| 8.1|

|c| 9.3|

|d| 9.3 9.5|

|e| 9.7|

|f| 9.8|

[[/strikethrough]] g [[/strikethrough]] | |

|Seq. gamma

|a| 4.2|

|b|[[/strikethrough]] ? [[/strikethrough]]|6.7 6.5|

|c|[[phi?]][[/strikethrough]] ? [[/strikethrough]]|6.5 6.3|

[[margin]]

[[/strikethrough]]No star marked d. Iden. uncertain

[[/margin]]

|d|[[/strikethrough]] ? [[/strikethrough]]|[[/strikethrough]] ? [[/strikethrough]]

|e| [[/strikethrough]]6.7[[/strikethrough]]8.7?| |

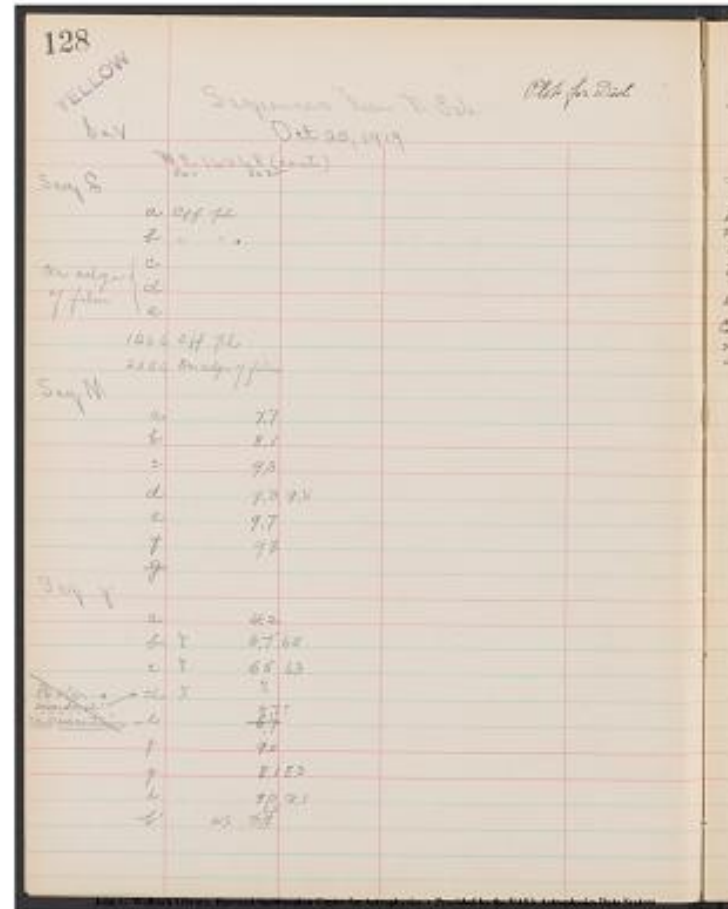
|f| 9.0|

|g| 8.1 8.3|

|h| 9.0 9.1|

|b^1| |n.s [[/strikethrough]]6.9[[/strikethrough]]6.5|

[[/table]]



Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates  
#62

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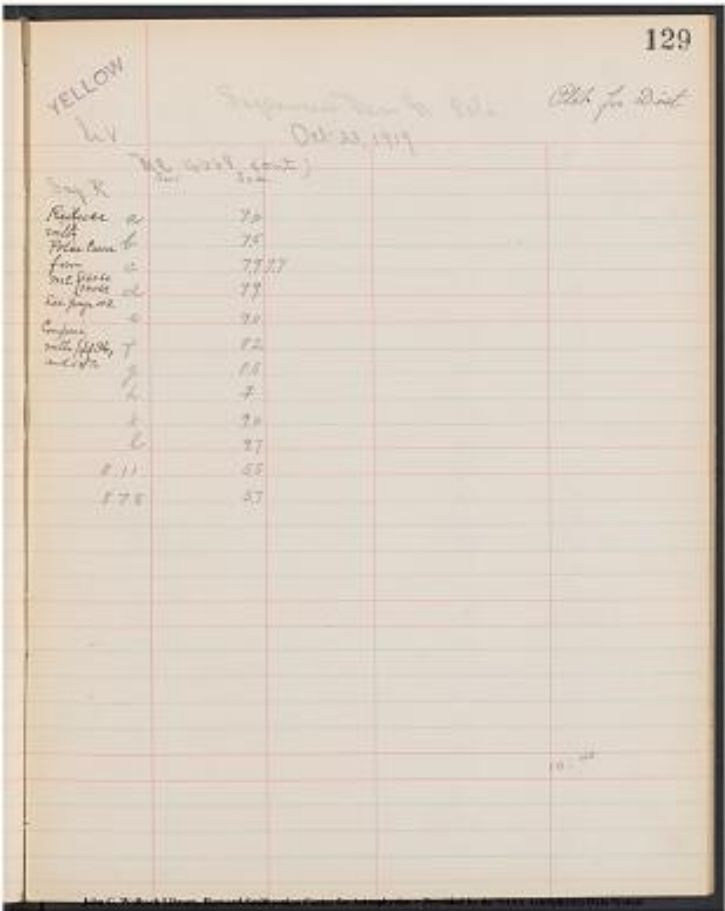
129  
[[stamp]]YELLOW[[/stamp]]  
Plot for Dist.  
Sequences Near N Pole  
Sc V Oct 23, 1919  
11:45 MC 16068 (cont.)  
Seq R

Reduce with polar curve from MC 16062, 16068. See page 102. Compare with pp. 136 and 142

[[3 column table]]

	Sc 1	Sc 2
a	7.0	
b	7.5	
c	7.9	7.7
d	7.9	
e	9.0	
f	8.2	
g	8.5	
h	7	
k	9.0	
l	9.7	
8 11	5.5	
878	5.7	

10:40

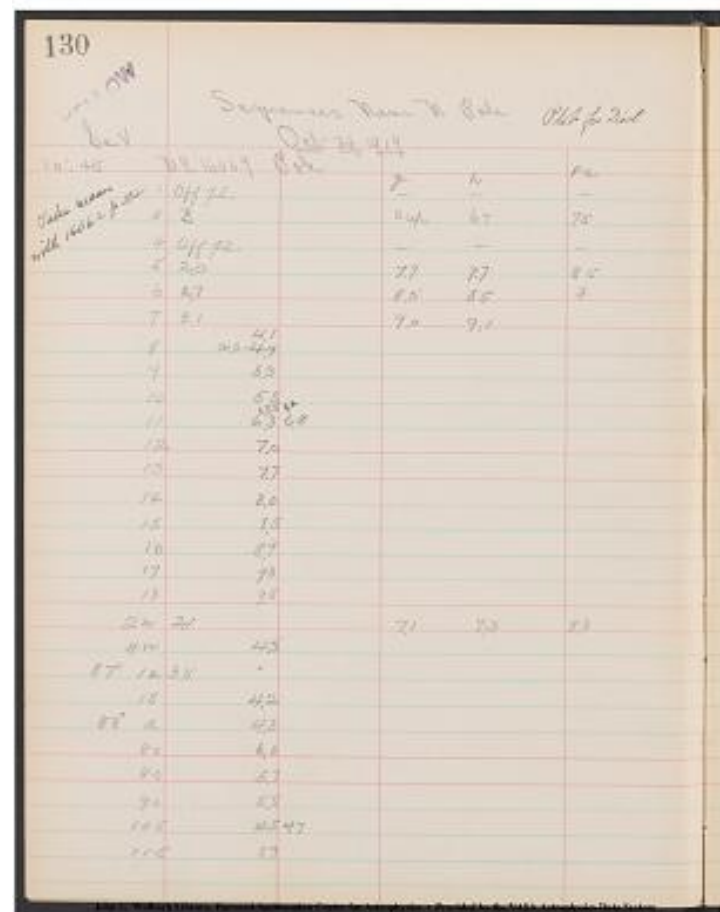


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[[8-column table]]

[[c column table]]  
[[sidebar]]Take nieser with 16062 p.102[[/sidebar]]

[illegible]

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates  
#62  
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Extracted Sep-28-2022 04:30:05

[[stamp]]YELLOW[[/stamp]]

Sequences Near N Pole Plot for Dist.

ScV Oct 24, 1919  
MC16069

[[4-column table]]

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

Seq delta|Sc1|Sc2| |

a| 5.4| |

b| 6.5| |

c| 7.9| |

[[margin]]|[[underline]]on edge[[/underline]]|[[margin]] d| 7.5| |

e| 8.5| |

f| 7.5| |

g| 7.8| |

h| 8.8| |

k| 7| |

|| 9.0| |

878| 5.9| |

2035| 4.2| |

323| 6.1| |

326| 6.5| |

346| 6.3| |

894| 6.0| |

949| 5.7| |

958| 6.5| |

966| 6.2| |

|Seq Alpha| | |

a| 8.3| 8.1| |

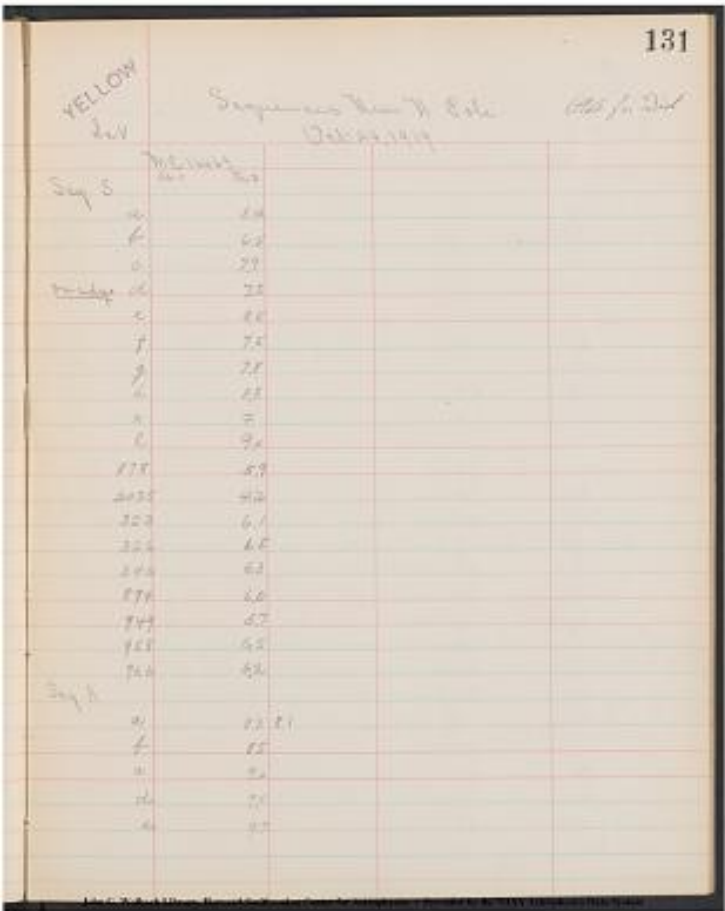
b| 8.5| |

c| 9.0| |

d| 9.5| |

e| 9.7| |

[[/table]]



Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62  
Transcribed and Reviewed by Digital Volunteers  
Extracted Sep-28-2022 04:30:05

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole Plot for Dist.

ScV Oct 24, 1919

MC16069

[[4-column table]]

Seq. delta|Sc1|Sc2|

[[margin]]Seq. on edge - mostly off plate. [[/margin]]

a|4.5|

b|Off pl||

c|""||

d|""||

e|On edge of film||

f| ||

g| ||

1266|6.1|

2056|6.5|

Seq. Mu| ||

a|7.5|

b|7.8|

c|9.0|

d|9.3|

e|9.7|

f|n.s|

[[strikethrough]]g|[[/strikethrough]]| ||

Seq gamma| ||

[[margin]]Seq. on edge of plate. [[/margin]]

a|4.0|

b|7.5|7.7|

b^1|7.3|7.1|

e|9.0|

f|9.5?|

g|8.1|

h|7|

[[/table]]

132

YELLOW

Sequences Near N Pole Plot for Dist.

Oct 24, 1919

Seq. delta|Sc1|Sc2|

Seq. on edge - mostly off plate.

a|4.5|

b|Off pl||

c|""||

d|""||

e|On edge of film||

f| ||

g| ||

1266|6.1|

2056|6.5|

Seq. Mu| ||

a|7.5|

b|7.8|

c|9.0|

d|9.3|

e|9.7|

f|n.s|

[[strikethrough]]g|[[/strikethrough]]| ||

Seq gamma| ||

[[margin]]Seq. on edge of plate. [[/margin]]

a|4.0|

b|7.5|7.7|

b^1|7.3|7.1|

e|9.0|

f|9.5?|

g|8.1|

h|7|

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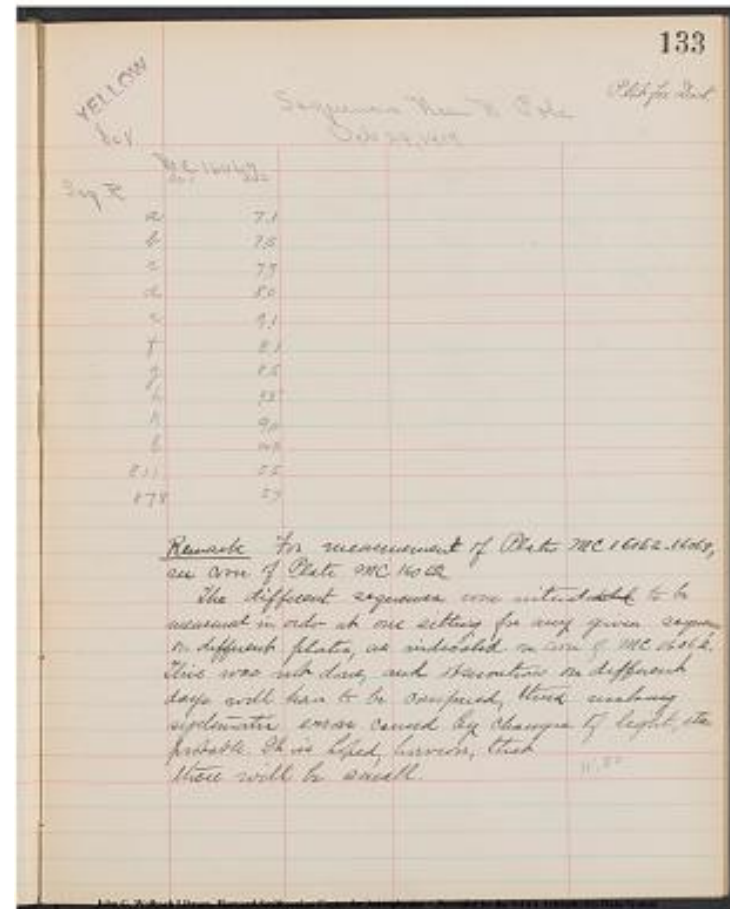
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133  
 Sequences Near N Pole Plot for Distr.  
 Sc V Oct 24, 1919  
 MC16069  
 Seq R  
 [[3 Columned Table]]

	Sc1	Sc2
a	7.1	
b	7.5	
c	7.9	
d	8.0	
e	9.1	
f	8.1	
g	8.5	
h	9.8?	
k	9.0	
l	ns	
811	5.5	
878	5.7	

[[Remark]] For measurement of Plates  
 MC16062-16069, see cover of Plate MC 16062.  
 The different sequences were intended to be measured in order at one  
 sitting for any given sequence on different plates, as indicated on cover  
 of MC 16062. This was not done, and observations on different days will  
 have to be compared, thus making systematic errors caused by  
 changes in light, etc. probable. It is hoped, however, that these will be  
 small.  
 11:50



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 #62  
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134

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole

Sc V Oct 24, 1919

[[5 columns]]

12\_10|MC16062|Pole|g h|Pc|

On edge 3|^[Sc1]]B Sc2 |Diff.|6.9^[6.90]] 6.9|7.5|

5|^[2.1]]2.0 |4.24|7.5^[7.60]] 7.7|8.5|

[[left margin]]Plot for Reduction of [[symbol-?]] on 16064 [[symbol-gamma]] on 16068 [[strikethrough]]R " 16068[[/strikethrough]] S "

1606[[strikethrough]]9[[/strikethrough]]6[[/left margin]]

6|^[2.8]]2.7 |4.12|7.5^[7.60]] 7.7|8.5|

7|^[3.1]]3.0 |4.30| | |

8| 4.1|3.89| | |

9| 5.3|3.38| | |

10| 5.5|3.35| | |

11| 6.7|2.66| | |

12| 6.9|2.63| | |

13| 7.5|2.58| | |

14| 8.0|2.24| | |

15| 8.9|1.76| | |

16| 9.3|1.67| | |

17| 9.5|1.60| | |

2r|^[2.1]]2.0 | |7.3 7.3|8.3|

4r|^[4.1]]4.0 | | | |

87[[degrees]] 12|^[3.6]]3.5 | | | |

15| 4.1| | | |

88[[degrees]] 2| 4.3| | | |

80| 5.9| | | |

86| 5.7| | | |

90| 6.0| | | |

105| 4.5| | | |

115| 5.7| | | |

Sc V	Oct 24, 1919				
12_10	MC16062	Pole	g h	Pc	
On edge 3	^[Sc1]]	B Sc2	Diff.	6.9^[6.90]]	6.9 7.5
5 ^[2.1]]	2.0	4.24	7.5^[7.60]]	7.7 8.5	
6 ^[2.8]]	2.7	4.12	7.5^[7.60]]	7.7 8.5	
7 ^[3.1]]	3.0	4.30			
8	4.1 3.89				
9	5.3 3.38				
10	5.5 3.35				
11	6.7 2.66				
12	6.9 2.63				
13	7.5 2.58				
14	8.0 2.24				
15	8.9 1.76				
16	9.3 1.67				
17	9.5 1.60				
2r ^[2.1]]	2.0		7.3 7.3	8.3	
4r ^[4.1]]	4.0				
87[[degrees]]	12 ^[3.6]]	3.5			
15	4.1				
88[[degrees]]	2	4.3			
80	5.9				
86	5.7				
90	6.0				
105	4.5				
115	5.7				

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[[stamp]] YELLOW [[/stamp]]

## Sequences Near N Pole

Sc V Oct 24, 1919 [[Copied 53:206]]

[[3 columns]]

Seq. J|Sc1|Sc2|Cu Magn|

[[left margin]]Reduce with MC 16062[[/left margin]]

a| 6.2|2.97 9.17|

66 = b| 4.5|3.72 8.22|

51 = c| 7.3|2.50 9.80|

47 = d| 7.7|2.32 10.02|

e| 7.1|2.60 9.70|

f| ^[[7.80]]7.7|^[2.27]]7.9 10.07|

g| 8.9|1.82 10.72|

48 = h| 8.5|1.98 10.48|

k| F|. .|

l| F|. .|

m| 9.0|1.77 10.77|

[[left margin]]Reduce with MC 16062[[/left margin]] MC 16068

Seq j

a| 4.1| |

b| 6.5| |

b1| 6.5| |

c| 6.3| |

[[/strikethrough]]d[[/strikethrough]]| | |

e| 8.5| |

f| 8.9| |

g| 8.3| |

h| 8.9| |

[[right margin]]over[[/right margin]]

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135

YELLOW

Sequences Near N Pole

Oct 24, 1919

Sc V

Seq. J|Sc1|Sc2|Cu Magn|

Reduce with MC 16062

a| 6.2|2.97 9.17|

66 = b| 4.5|3.72 8.22|

51 = c| 7.3|2.50 9.80|

47 = d| 7.7|2.32 10.02|

e| 7.1|2.60 9.70|

f| ^[[7.80]]7.7|^[2.27]]7.9 10.07|

g| 8.9|1.82 10.72|

48 = h| 8.5|1.98 10.48|

k| F|. .|

l| F|. .|

m| 9.0|1.77 10.77|

Reduce with MC 16062

MC 16068

Seq j

a| 4.1| |

b| 6.5| |

b1| 6.5| |

c| 6.3| |

[[/strikethrough]]d[[/strikethrough]]| | |

e| 8.5| |

f| 8.9| |

g| 8.3| |

h| 8.9| |

[[right margin]]over[[/right margin]]

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136

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole

Sc V Oct 24, 1919

[[2 columns]]

[[strikethrough]]Reduce with MC 16062[[/strikethrough]] MC 16068  
(cont.)

Seq. R|Sc1 Sc2|

[[left margin]][[strikethrough]]Compare with pp129,  
142[[/strikethrough]][[/left margin]]

a| 7.1|

b| 7.3|

c| 7.7|

d| 7.9|

e| 9.2|

f| 8.3|

g| 8.5|

Not Star- h| ?|

k| 9.0|

l| 98?|

[[3 columns]]

MC1606^[[6]]6

Seq. S| |Cu. Magn.|[[right margin]]Copied 53:204[[/right margin]]  
[[left margin]]Reduce with MC16062[[/left margin]]

a| 5.5|3.30 8.80|

b| 6.5|2.84 9.34|

c| 7.9|2.23 10.13|

d| Suf. |. |

e| 8.5|1.98 10.48|

f| 7.5|2.41 9.91|

g| 7.5|2.41 9.91|

h| N.S. |

k| N.S. |

l| 8.9|1.82 10.72|

[[right margin]]1-30[[/right margin]]

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136

YELLOW

Sequences Near N Pole

Sc V Oct 24, 1919

[[2 columns]]

[[strikethrough]]Reduce with MC 16062[[/strikethrough]] MC 16068  
(cont.)

Seq. R|Sc1 Sc2|

[[left margin]][[strikethrough]]Compare with pp129,  
142[[/strikethrough]][[/left margin]]

a| 7.1|

b| 7.3|

c| 7.7|

d| 7.9|

e| 9.2|

f| 8.3|

g| 8.5|

Not Star- h| ?|

k| 9.0|

l| 98?|

[[3 columns]]

MC1606^[[6]]6

Seq. S| |Cu. Magn.|[[right margin]]Copied 53:204[[/right margin]]  
[[left margin]]Reduce with MC16062[[/left margin]]

a| 5.5|3.30 8.80|

b| 6.5|2.84 9.34|

c| 7.9|2.23 10.13|

d| Suf. |. |

e| 8.5|1.98 10.48|

f| 7.5|2.41 9.91|

g| 7.5|2.41 9.91|

h| N.S. |

k| N.S. |

l| 8.9|1.82 10.72|

[[right margin]]1-30[[/right margin]]

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#62  
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[[stamp]] YELLOW [[/stamp]]

## Sequences Near N Pole

Sc V Oct 27, 1919

10- MC16064 Pole

[[5 columns]]

[[left margins]]~~Plot for Reduction of P<sup>g</sup> 16062 0 on 16068~~[[/left margin]]1<sup>h</sup>~~Sc1~~B <sup>h</sup>~~Sc2~~ | <sup>h</sup>~~g~~B<sup>h</sup>B<sup>h</sup>PC 5.5

3B | 6.3 6.3 7.1

4<sup>h</sup>1.4 1.3 | 6.3 6.3 7.55<sup>h</sup>2.0 1.9 | 7.1 7.3 8.06<sup>h</sup>2.6 2.5 | 7.1 7.3 8.07<sup>h</sup>3.1 3.0 | | |

8 | 4.0 | | |

9 | 5.1 | | |

10 | 5.5 | | |

11 | 6.3 | | |

12 | 6.7 | | |

13 | 7.7 | | |

14 | 7.9 | | |

15 | 8.5 8.7 | | |

16 | 8.9 | | |

17 | 9.3 9.5 | | |

2r<sup>h</sup>2.0 1.9 | 7.0 7.1 8.14r<sup>h</sup>4.0 | | | |87<sup>h</sup>degrees 12<sup>h</sup>3.7 3.6 | | |

15 | 4.1 | | |

88<sup>h</sup>degrees 2 | 4.0 | | |

80 | 5.7 | | |

86 | 5.3 | | |

90 | 5.3 | | |

105 | 4.1 | | |

115 | 5.5 | | |

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137

YELLOW

Sequences Near N Pole

Oct 27, 1919

MC16064 Pole

Plot for Reduction of P<sup>g</sup> 16062 0 on 16068

1<sup>h</sup>Sc1 B <sup>h</sup>Sc2 | <sup>h</sup>g B

<sup>h</sup>B<sup>h</sup>PC 5.5

3B | 6.3 6.3 7.1

4<sup>h</sup>1.4 1.3 | 6.3 6.3 7.5

5<sup>h</sup>2.0 1.9 | 7.1 7.3 8.0

6<sup>h</sup>2.6 2.5 | 7.1 7.3 8.0

7<sup>h</sup>3.1 3.0 | | |

8 | 4.0 | | |

9 | 5.1 | | |

10 | 5.5 | | |

11 | 6.3 | | |

12 | 6.7 | | |

13 | 7.7 | | |

14 | 7.9 | | |

15 | 8.5 8.7 | | |

16 | 8.9 | | |

17 | 9.3 9.5 | | |

2r<sup>h</sup>2.0 1.9 | 7.0 7.1 8.1

4r<sup>h</sup>4.0 | | | |

87<sup>h</sup>degrees 12<sup>h</sup>3.7 3.6 | | |

15 | 4.1 | | |

88<sup>h</sup>degrees 2 | 4.0 | | |

80 | 5.7 | | |

86 | 5.3 | | |

90 | 5.3 | | |

105 | 4.1 | | |

115 | 5.5 | | |

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138

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole

Sc V Oct 27, 1919

MC16062

Seq G

[[margin]] ~~Reduce with MC 16064~~ [[/margin]]

[[3 columns]]

	Sc1	Sc2
a	7.3	
53= b		80
59= c		8.3
d	7.5	
e	7.2	
f	8.5	
g	9.7	
h	9.8?	
k	n.s	

~~S~~

Seq O P

MC 16068

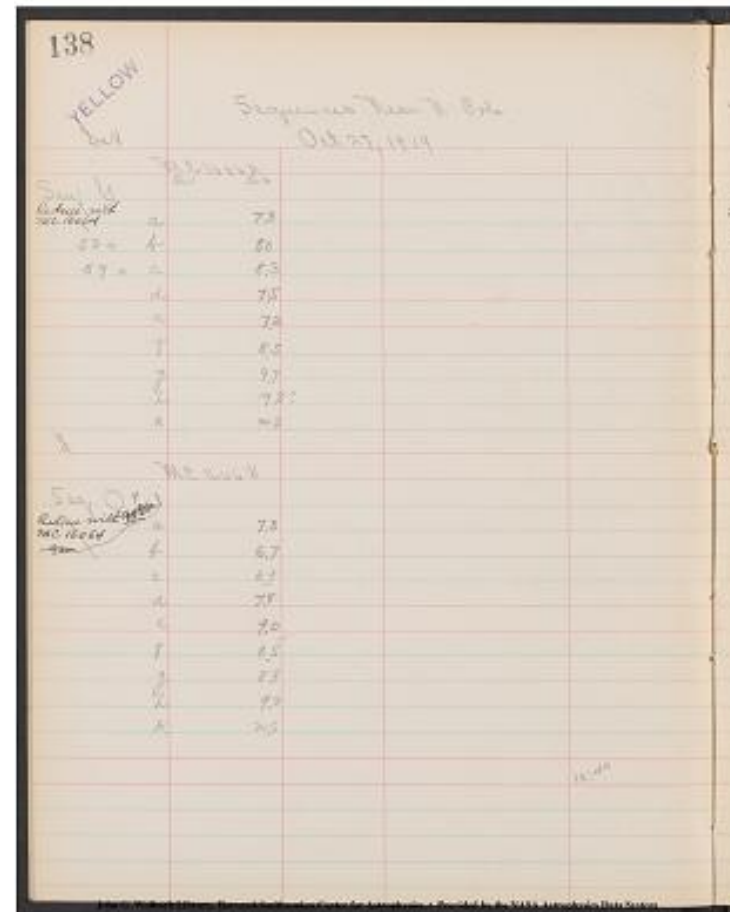
[[left margin]] ~~Reduce with MC 16064~~ [[/left margin]]

[[3 columns]]

a	7.3
b	6.7
c	6.9
d	7.8
e	9.0
f	8.5
g	8.8
h	9.0
k	n.s

10:40

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#62  
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[[stamp]] YELLOW [[/stamp]]

## Sequences Near N Pole

Sc V Oct 27, 1919

[[5 columns]]

11 20|MC 16066|Pole| | |

[[left margin]]For Reducing~~[[/del]]G on 16064 F on 16062 N on 16068~~[[/del]] Reject~~[[/del]]~~~~[[/left margin]]~~

|Sc1 Sc2| |g h|Pc|

1|B | |B B|5.5|

3|On edge| | | |

4|1.3 | |6.1 6.3|7.2|

5|^[[1.9]]1.8 | |7.8 7.9|8.1|

6|On edge| | | |

7|tp| | | |

8|OH pl| | | |

9|" | | | |

10| 5.8| | | |

11| 6.8| | | |

12| 7.1| | | |

13| 7.5| | | |

14| 7.9| | | |

15| 8.9| | | |

16| 9.3| | | |

17| 9.7| | | |

2r|^[[2.1]]2.0 | |7.1 7.2|8.1|

4r| 3.9^[[4.1]]| | | |

87~~[[degrees]]~~ 12|OH pl| | | |

x 15|" | | | |

88~~[[degrees]]~~ 2| 3.9| | | |

80| 6.0| | | |

86| 5.7| | | |

90| 5.5| | | |

105| 4.3| | | |

115| 5.7| | | |

139

YELLOW

Sequences Near N Pole

Oct 27, 1919

Sc1	Sc2	g	h	Pc
1	B		B	5.5
3	On edge			
4	1.3		6.1 6.3	7.2
5	1.9	1.8		7.8 7.9 8.1
6	On edge			
7	tp			
8	OH pl			
9	"			
10	5.8			
11	6.8			
12	7.1			
13	7.5			
14	7.9			
15	8.9			
16	9.3			
17	9.7			
2r	2.1	2.0		7.1 7.2 8.1
4r	3.9	4.1		
87	degrees	12	OH pl	
x 15	"			
88	degrees	2	3.9	
80	6.0			
86	5.7			
90	5.5			
105	4.3			
115	5.7			

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140

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole

Sc V Oct 27, 1919

[[3 columns]]

MC 16064

Seg. G

[[left margin]]~~Reduce with~~

~~16066~~~~[[/del]]~~

[[3 column table]]

	Sc 1	Sc 2
--	------	------

a	7.2
---	-----

53 = b	7.8
--------	-----

59 = c	8.3
--------	-----

d	7.5
---	-----

e	6.5
---	-----

f	8.2
---	-----

g	9.5
---	-----

h	9.7?
---	------

Seg. F MC 16062

[[left margin]]~~Reduce with 16066~~~~[[/del]]~~[[left margin]]

a	7.3
---	-----

b	7.8
---	-----

c	8.5
---	-----

d	7.9
---	-----

e	near def ?
---	------------

f	8.1
---	-----

g	6.7
---	-----

h	8.5
---	-----

k	9.7?
---	------

MC 16068

Seg. N

[[left margin]]~~Reduce with 16066~~~~[[/del]]~~[[left margin]]

a	7.5
---	-----

b	8.0
---	-----

c	8.5
---	-----

d	9.7
---	-----

e	9.8?
---	------

f	9.7
---	-----

g	9.5
---	-----

h	?
---	---

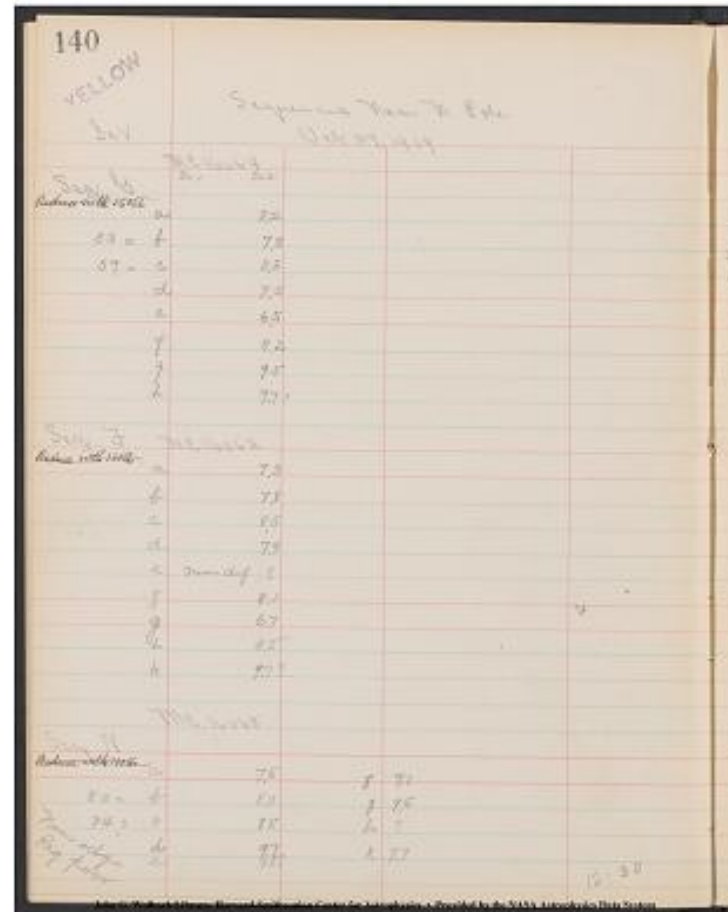
k	9.7
---	-----

[[right margin]] 12:30 [[/right margin]]

[[margin]] Near edge, Reg. poor [[/margin]]

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141

[[Stamp]] YELLOW [[Stamp]]

Sequences Near N Pole

Sc V Oct 28, 1919

[[5 Columned Table]]

-----

| 12 - 15 | MC 16063 Sc1 Sc2 | Pale | g h | pc |

| On edge 3 | B | | tp tp | 7.5 |

| On edge 4 | | | - - |

[[margin]] For Reducing ~~[[strikethrough]]~~ G on 16062 R on 16068

~~[[strikethrough]]~~

5 | 2.0^2.1 | | 7.3 7.5 . | 8.3 |

6 | 2.5^2.6 | | 8.7 +h | |

7 | 3.0^3.1 | | 9.5 n.s | |

8 | 4.0 | | | |

9 | 5.1 | | | |

10 | 5.5 | | | |

11 | 6.5 | | | |

12 | 7.1 | | | |

13 | 7.5 | | | |

14 | 7.9 | | | |

15 | 8.5 | | | |

16 | 9.1 | | | |

17 | 9.5 9.7 | | |

2 r | 2.0 1.9 | | 7.2 7.3 | 8.0 |

4 r | 4.2 | | | |

87° 12 | 3.8 3.7 | | |

15 | 4.3 | | | |

88° 2 | 4.3 | | |

80 | 6.0 | | | |

86 | 5.7 | | | |

90 | 5.5 | | | |

105 | 4.3 | | | |

115 | 5.7 | | | |

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The image shows a handwritten astronomical data table on a piece of paper labeled "YELLOW" and "141". The table contains numerical data organized in columns, with some handwritten notes and a date "Oct 28, 1919". The data appears to be related to sequences near the North Pole, as indicated by the text "Sequences Near N Pole" and "Sequences Near N Pole" written on the page. The table is organized into columns, with some data points written in a specific format, such as "2.0^2.1", "7.3 7.5 .", "8.3", "2.5^2.6", "8.7 +h", "3.0^3.1", "9.5 n.s", "4.0", "5.1", "5.5", "6.5", "7.1", "7.5", "7.9", "8.5", "9.1", "9.5 9.7", "2.0 1.9", "7.2 7.3", "8.0", "4.2", "3.8 3.7", "4.3", "4.3", "6.0", "5.7", "5.5", "4.3", "5.7".

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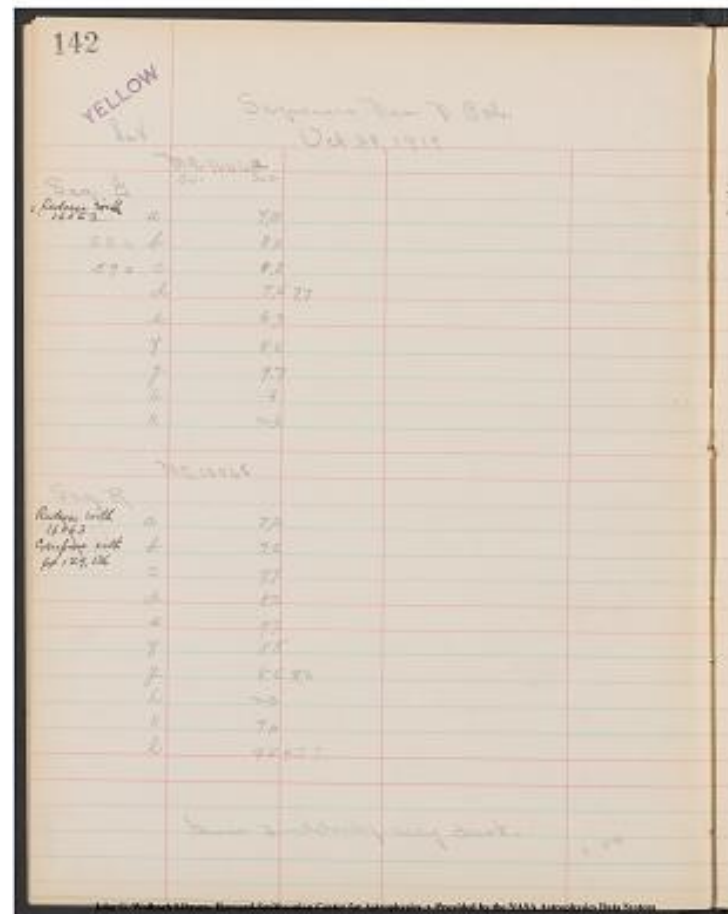
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142  
 [[stamp]]YELLOW[[/stamp]]  
 Sequence Near N Pole  
 ScV Oct 28, 1919  
 MC 16062  
 [[4-column table]]  
 Seq G  
 [[margin]]~~Reduce with 16063~~[[/margin]]  
 ---|---|---|  
 | Sc 1 | Sc 2 |  
 a | 7.5 |  
 53= b | 8.0  
 59= c | 8.5  
 d | 7.5 | 7.7  
 e | 6.9  
 f | 8.5  
 g | 9.7  
 h | 7  
 k | n.s

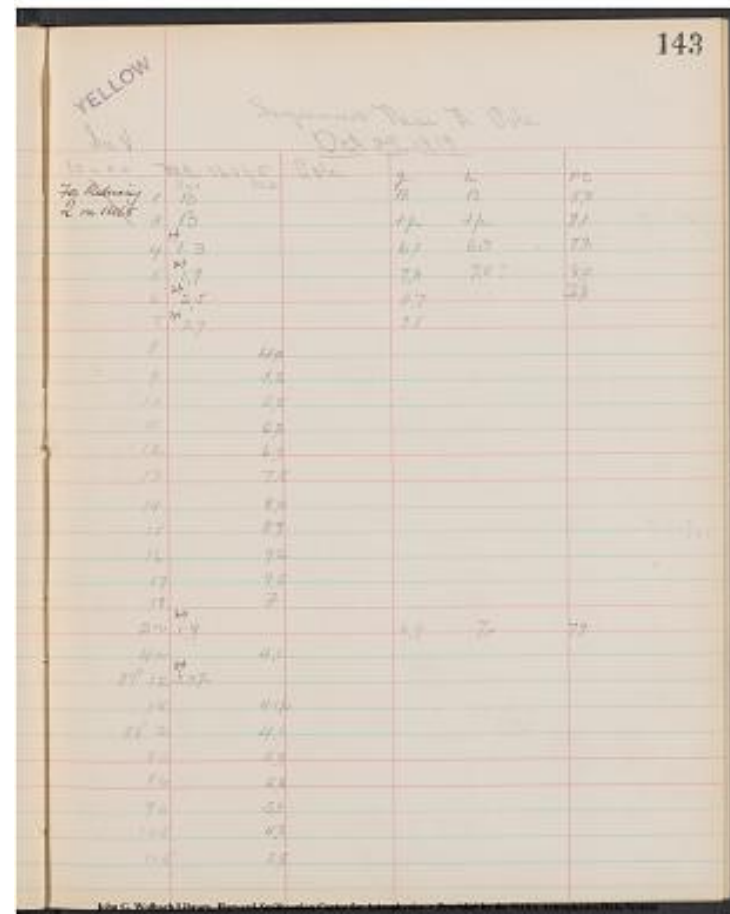
MC 16068  
 Seq. R  
 [[margin]]~~Reduce with 16063~~  
 Compose with pp 129, 136~~[[/margin]]~~  
 a | 7.2  
 b | 7.5  
 c | 7.7  
 d | 8.0  
 e | 9.3  
 f | 8.3  
 g | 8.5 8.3  
 h | n.s  
 k | 9.0  
 ll | 9.5 9.7?

Grew suddenly very dark.  
 1.00



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 #62  
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143  
 [[stamp]]YELLOW[[/stamp]]  
 Sequence Near N Pole  
 ScV [[underline]]Oct 29, 1919[[/underline]]  
 10:00 MC 16065 Pole  
 [[7-column table]]  
 | Sc1|Sc2| |g|h|PC|  
 [[margin]]~~For Reducing 2 on~~  
~~16068~~[[/margin]]  
 1|B| |B|B|5.8|  
 3|B| | +p|+p|7.1|  
 4|1.4|1.3| |6.1|6.3|7.3|  
 5|2.0|1.9| |7.3|7.5?|8.0|  
 6|2.6|2.5| |8.7| ~~8.8~~[[/del]]w.s|  
 7|3.0|2.9| |9.5| |  
 8|4.0| | | |  
 9|5.2| | | |  
 10|5.5| | | |  
 11|6.3| | | |  
 12|6.7| | | |  
 13|7.5| | | |  
 14|8.0| | | |  
 15|8.9| | | |  
 16|9.2| | | |  
 17|9.5| | | |  
 18|7| | | |  
 2r|2.0|1.9| |6.9|7.0|7.9|  
 4r|4.1| | | |  
 87° 12|3.4|3.3p| | | |  
 15|4.1p| | | |  
 88° 2|4.1| | | |  
 80|5.9| | | |  
 86|5.5| | | |  
 90|5.3| | | |  
 105|4.3| | | |  
 115|5.5| | | |  
 [[/table]]



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 #62  
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144 Sequences near N Pole

Yellow

Sc V            October 29, 1919

MC 16068  
se1|se2|  
Seq 2

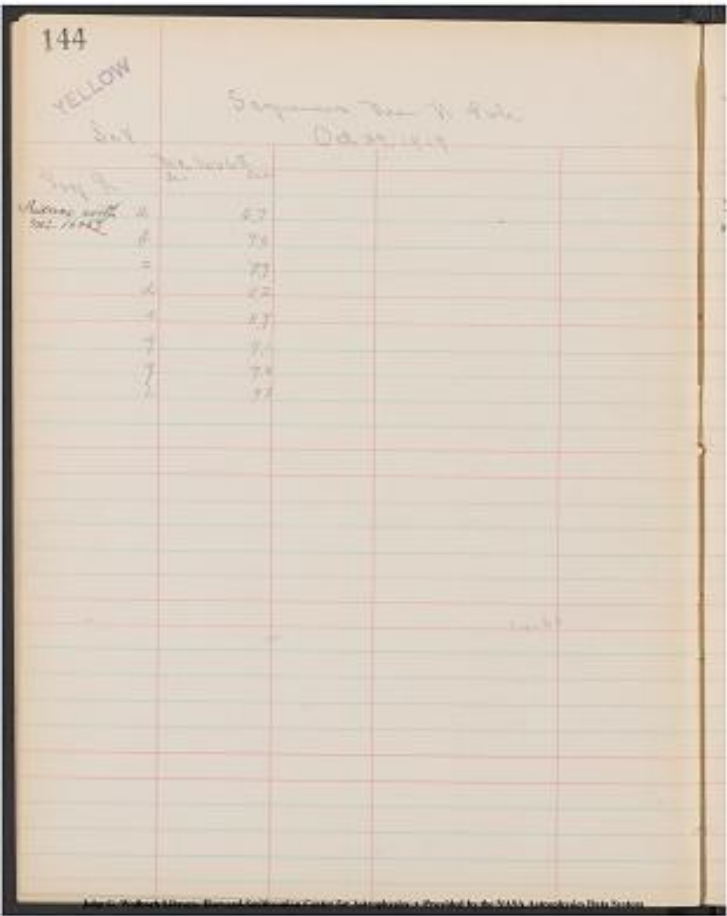
~~[[left-margin]]~~ ~~[[Strikethrough]]~~ ~~[[Reduces with MC 16065]]~~  
~~[[/Strikethrough]]~~ ~~[[/margin]]~~

[[3 column table]]  
|---|---|---|  
| Sc 1 | Sc 2

- a| 6.7|
- b| 7.5|
- c| 7.9|
- d| 8.2|
- e| 8.9|
- f| 9.1|
- g| 9.5|
- h| 9.8|

10-30

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145  
 [[stamp]]YELLOW[[/stamp]]  
 Dist Sequences Near N Pole Plot for Dist.  
 Scv [[underline]]Nov 7, 1919[[/underline]]  
 [[5 columns]]  
 9-30 MC16070 Pole +90[[degrees]]  
 |Sc1 Sc2| |g h|Pc|  
 [[left margin]]~~Take mean with MC 16077, p.~~  
 156~~[[/left margin]]~~  
 3|B | |6.3 6.5|7.5|  
 +50<sup>^</sup>[[?]] 5<sup>^</sup>[[2.1]]2.0 2.1| |7.3 7.5|8.5|  
 54| 6<sup>^</sup>[[2.7]]2.6 2.7| |8.0 8.0|F|  
 -80| 7<sup>^</sup>[[3.4]]3.0 3.1| |8.7 8.9| |  
 +48| 8| 3.9| |9.7 9.8| |  
 +54| 9| 5.3| | | |  
 20| 10| 5.5| | | |  
 -32| 11| 6.2| | | |  
 -25| 12| 6.7| | | |  
 -19| 13| 7.5| | | |  
 13| 14| 7.9| | | |  
 20| 15| 8.7| | | |  
 5| 16| 9.0| | | |  
 -10| 17| 9.3| | | |  
 -8| 18| 9.8?| | | |  
 22r 2r<sup>^</sup>[[2.1]]2.0 2.1| |7.1 7.3|8.1|  
 33r 4r| 4.0| | | |  
 87[[degrees]] 12<sup>^</sup>[[3.6]]3.5 3.6| | |  
 15| 3.9| | | |  
 88[[degrees]] 2| 3.7| | | |  
 80| 5.9| | | |  
 86| 5.5| | | |  
 90| 5.5| | | |  
 -37r 105| 4.3| | | |  
 37r 115| 5.7| | | |  
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YELLOW

145

Dist Sequences Near N Pole Plot for Dist.  
 Scv Nov 7, 1919  
 9-30 MC16070 Pole +90°

Scv	Sc1	Sc2	g	h	Pc
3 B	6.3	6.5	7.5		
+50 <sup>^</sup> [[?]]	5 <sup>^</sup> [[2.1]]	2.0	2.1	7.3	7.5
54  6 <sup>^</sup> [[2.7]]	2.6	2.7	8.0	8.0	F
-80  7 <sup>^</sup> [[3.4]]	3.0	3.1	8.7	8.9	
+48  8	3.9	9.7	9.8		
+54  9	5.3				
20  10	5.5				
-32  11	6.2				
-25  12	6.7				
-19  13	7.5				
13  14	7.9				
20  15	8.7				
5  16	9.0				
-10  17	9.3				
-8  18	9.8?				
22r 2r <sup>^</sup> [[2.1]]	2.0	2.1	7.1	7.3	8.1
33r 4r	4.0				
87[[degrees]]	12 <sup>^</sup> [[3.6]]	3.5	3.6		
15	3.9				
88[[degrees]]	2	3.7			
80	5.9				
86	5.5				
90	5.5				
-37r 105	4.3				
37r 115	5.7				

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146  
YELLOW

[[Two Columned Table]]

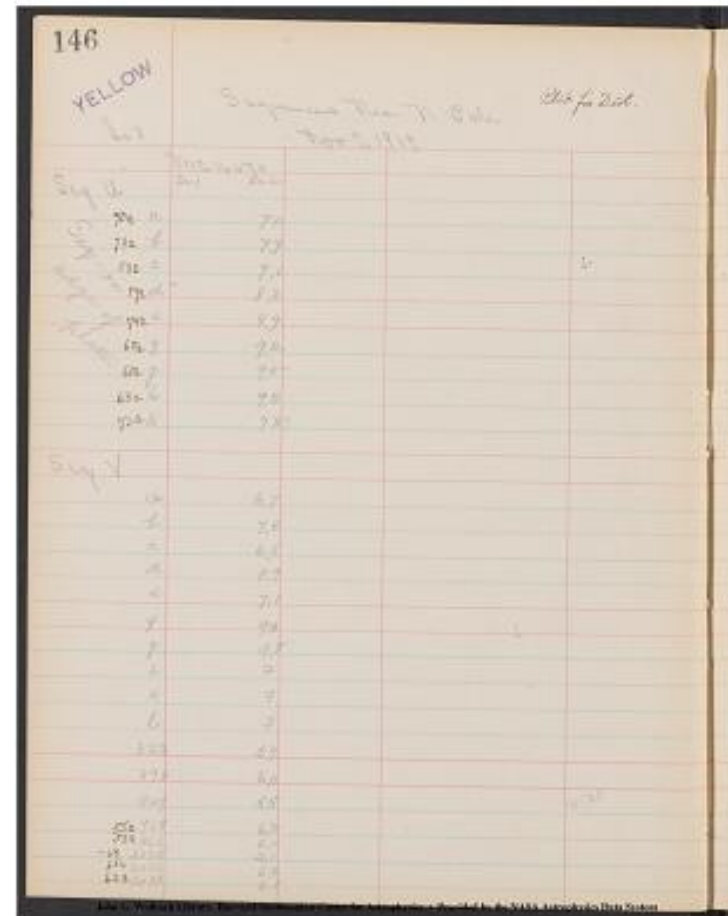
Seq	U	5c1	5c2
70r	a	7.0	
73r	b	7.9	
53r	c	7.1	
59r	d	8.3	
74r	e	8.4	
68r	f	9.2	
61r	g	9.8?	
63r	h	9.5	
72r	k	9.8?	
Seq	V		
a		6.7	
b		7.8	
c		6.5	
d		8.9	
e		7.1	
f		9.8	
g		9.7	
h		7	
k		7	
i		7	
323		5.9	
894		6.0	
949		5.5	
55r	958	6.3	
53r	966	6.0	
-68	2035	4.1	
55r	2056	6.2	
62r	2057	6.1	

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[[ Upper Right Margin ]] Plan for Dist. [[/Upper Right Margin]]

[[ Left Margin ]] Seq - on edge of plate. [[/Left Margin]]

[[Lower Right Margin]] 10:25 [[/Lower Right Margin ]]

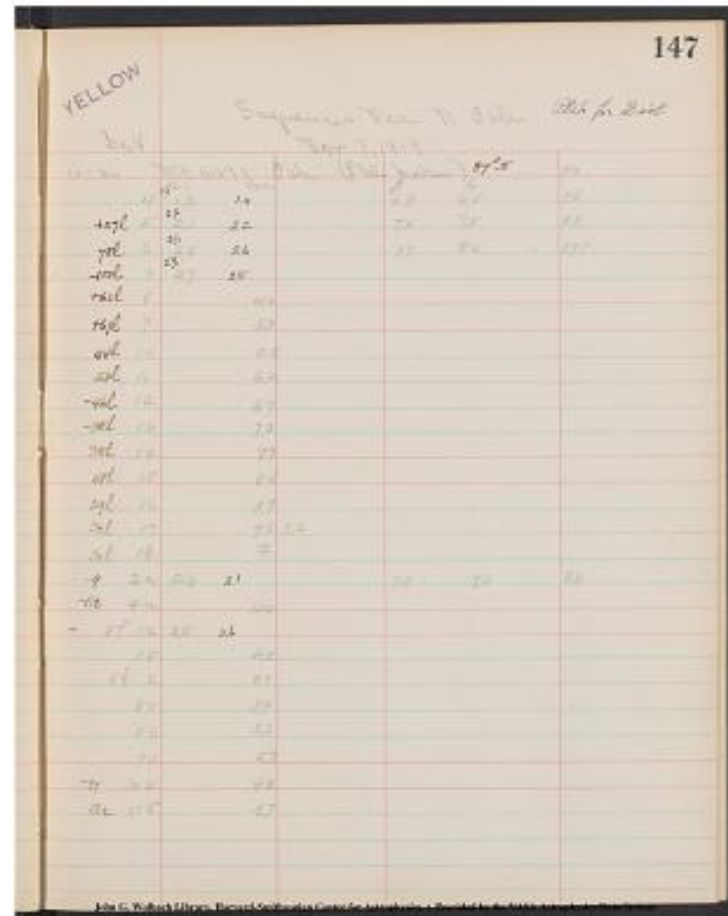


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#62  
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147  
 [[stamp]] YELLOW [[/stamp]]  
 Sequences Near N Pole Plot for Dist.  
 ScV Nov 7, 1919  
 10:30 MC16071 Pole (Plate broken) 89°.5  
 [[5 columned table]]

	Sc1	Sc2	g	h	pc
4	1.3 <sup>^</sup> [[1.4]]	1.4	6.3	6.5	7.5
+57	5	2.1 <sup>^</sup> [[2.2]]	2.2	7.5	7.5   8.3
78	6	2.5 <sup>^</sup> [[2.6]]	2.6	7.9	80   8.99
-100	7	2.7 <sup>^</sup> [[2.8]]	2.8		
+62	8	4.0			
+69	9	5.3			
44	10	5.5			
53	11	6.2			
-46	12	6.7			
-38	13	7.3			
48	15	8.5			
29	16	8.9			
30	17	9.5	9.3		
30	18	7			
-9	2 r	20	2.1	73	7.3   8.3
-11 r	4 r	40			
-	87°	12	3.5	3.6	
-	15	4.0			
-	88°	2	3.9		
-	80	5.8			
-	86	5.3			
-	90	5.7			
-37	105	4.3			
13 r	115	5.7			

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148

YELLOW Plot for Dist.  
Sequences Near N Pole

Scv Nov 7, 1919

Me16071 cont.

Seq U

[[2 column table]]

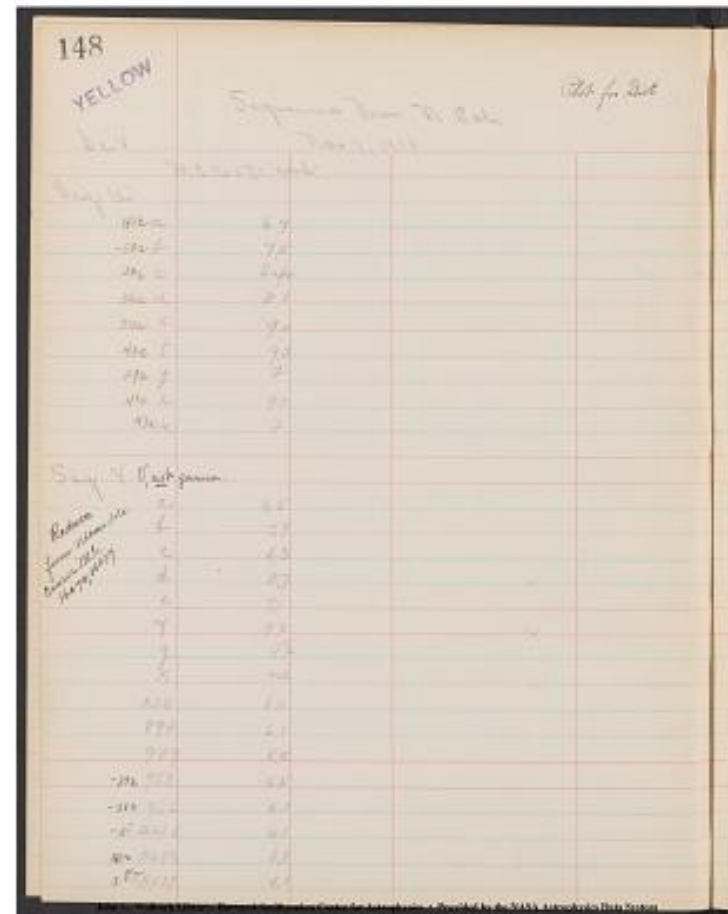
45r a	6.9
-50r b	7.5
30r c	supn
36r d	8.1
50r e	9.0
43r f	9.3
39r g	7
41r h	9.3
47r k	7

Seq V V, not gamma.

~~Reduce from North Pole curve me 16670, 16077~~

a	6.5
b	7.9
c	6.3
d	8.7
e	7.1
f	9.8
g	9.2
k	ns
323	6.0
894	6.1
949	5.5
-33r 958	6.5
-31r 966	6.1
-45 2035	4.1
40r 2056	6.3
38r 2057	6.1

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#62  
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149  
 [[stamp]]YELLOW[[/stamp]]  
 Plot for Dist.  
 Sequences Near N Pole  
 Sc V Nov 7, 1919  
 MC 16072 Pole 89.0°

[[5 column table]]

Sc 1	Sc 2	g	h	pe
-81r 1	B	B	B	5.7
-69r 4	1.3	1.4	6.3	6.3   7.7
+67l 5	1.9	2.0	7.3	7.5   8.3
88l 6	2.5	2.6	8.1	8.1   9.1
-105l 7	2.9	3.0		
+73l 8	3.9			
+82l 9	5.2			
+55l 10	5.4			
+61l 11	6.1			
52l 12	6.7			
46l 13	7.3			
48l 14	7.8			
58l 15	8.5			
40l 16	9.0			
38l 17	9.3			
39l 18	9.8			
12l 2 12	19	20	7.2	9.3   8.3
+2 4 12	3.9			
87° 12	3.7	3.8	3.8	
15	4.0			
88° 2	4.0			
80	6.0			
86	5.3			
90	5.5			
-22 105	4.2			
+512 115	5.5			

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YELLOW

149

Plot for Dist.

Sequences Near N Pole

Sc V Nov 7, 1919

MC 16072 Pole 89.0°

Sc 1	Sc 2	g	h	pe
-81r 1	B	B	B	5.7
-69r 4	1.3	1.4	6.3	6.3   7.7
+67l 5	1.9	2.0	7.3	7.5   8.3
88l 6	2.5	2.6	8.1	8.1   9.1
-105l 7	2.9	3.0		
+73l 8	3.9			
+82l 9	5.2			
+55l 10	5.4			
+61l 11	6.1			
52l 12	6.7			
46l 13	7.3			
48l 14	7.8			
58l 15	8.5			
40l 16	9.0			
38l 17	9.3			
39l 18	9.8			
12l 2 12	19	20	7.2	9.3   8.3
+2 4 12	3.9			
87° 12	3.7	3.8	3.8	
15	4.0			
88° 2	4.0			
80	6.0			
86	5.3			
90	5.5			
-22 105	4.2			
+512 115	5.5			

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 #62  
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150  
 [[stamp]] YELLOW [[stamp]]  
 Plot for Dist. Sequences Near N Pole.  
 ScV Nov. 7, 1919  
 [[2 columns]]  
 MC 1607 ~~3~~2 (Cont.)  
 Seq U 30r a| Sc1 Sc26.9|  
 38r b| 7.7|  
 20r c| 6.9|  
 25r d| 8.2|  
 39r e| 8.7|  
 33r f| 9.1|  
 6r g| n.5|  
 29r h| 9.3|  
 37r k| 9.8?|  
 Seq. V  
 [[right margin]]~~Reduce from mean cum (Plate) MC~~  
 16070, 16077~~[[right margin]]~~  
 a| 6.5|  
 b| 7.7|  
 c| 6.3|  
 d| 8.8|  
 e| 6.9|  
 f| Sufi(almost)|  
 g| 9.1|  
 h| 9.7?|  
 323| 5.9|  
 894| 5.9|  
 949| 5.3|  
 -22r 958| 6.3|  
 -19r 966| 6.0|  
 -40 2035| 4.0|  
 25r 2056| 6.2|  
 29r 2057| 6.1|

Seq. U	Seq. V	Other
38r b	7.7	
20r c	6.9	
25r d	8.2	
39r e	8.7	
33r f	9.1	
6r g	n.5	
29r h	9.3	
37r k	9.8?	
Seq. V		
a	6.5	
b	7.7	
c	6.3	
d	8.8	
e	6.9	
f	Sufi(almost)	
g	9.1	
h	9.7?	
323	5.9	
894	5.9	
949	5.3	
-22r 958	6.3	
-19r 966	6.0	
-40 2035	4.0	
25r 2056	6.2	
29r 2057	6.1	

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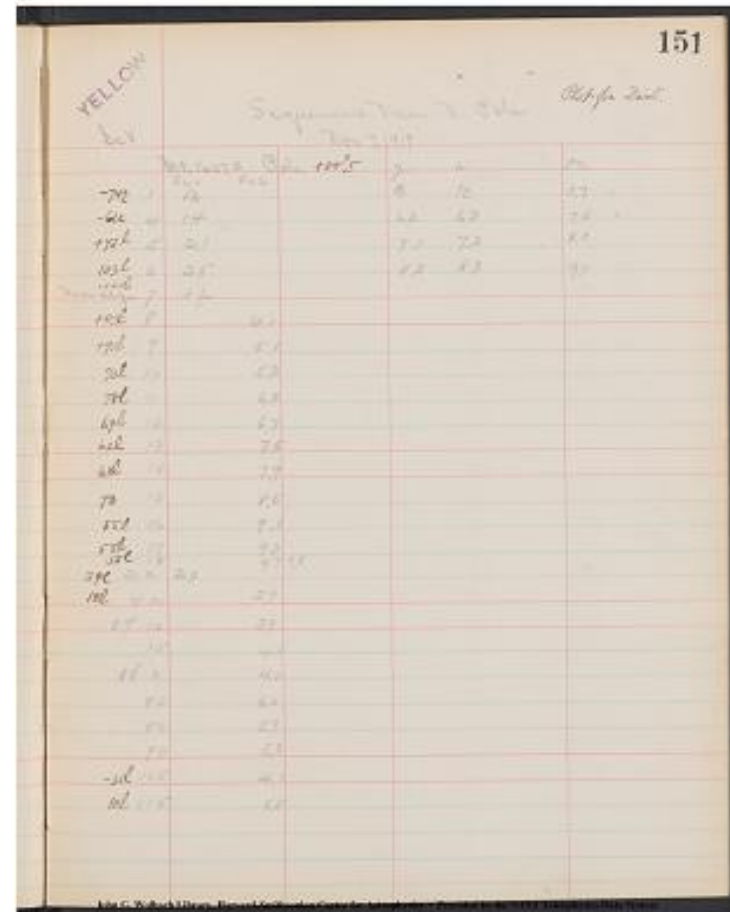
151  
 [[stamp]] YELLOW [[/stamp]]  
 Sequences Near N Pole Plot for Dist.  
 Nov 7, 1919  
 Sc V  
 MC 16073 Pole +88.5°

[[6 column table]]  

	Sc 1	Sc 2	g	h	pc
--	------	------	---	---	----

-74r 1	B		B	B	5.7
-61r 4	1.4		6.3	6.3	7.5
+72l 5	2.1		7.1	7.3	8.1
103l 6	2.5		8.3	8.3	9.1
-121l near edge 7	tp				
+83l 8	4.1				
+91l 9	5.1				
70l 10	5.3				
78l 11	6.3				
69l 12	6.7				
62l 13	7.5				
63l 14	7.9				
73l 15	8.5				
55l 16	9.1				
55l 17	9.3				
56l 18	9.7 9.8				
29l 2r	2.0				
18l 4r	3.9				
87° 12	3.9				
15	4.1				
88° 2	4.0				
80	6.0				
86	5.7				
90	5.3				
-36l 105	4.1				
13l 115	5.5				

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152

[[stamp]]yellow[[/stamp]]

Plot for Dist. Sequences Near N Pole

ScV Nov. 7, 1919

[[2columns]]

MC16073

Seq U|Sc1 Sc2|

20r a| 6.8|

-29r b| 7.7|

5r c| 6.9|

-11r d| 8.3|

-25r e| 8.7|

18r f| Suf.|

-19r g| 9.8|

-18r h| 9.1|

21r k| F|

Seq V

[[right margin]]~~\*Reduce from vie a curve (Pole)~~

MC16070, 16077~~[[/strikethrough]]~~[[/right margin]]

a| 6.3|

b| 7.7|

c| 6.3|

d| 8.9|

e| 7.0|

f| 9.8?|

g| 9.0|

h| 9.2|

323|Off fil.|

894| 6.0|

949| 5.5|

958| 6.3|

966| 6.1|

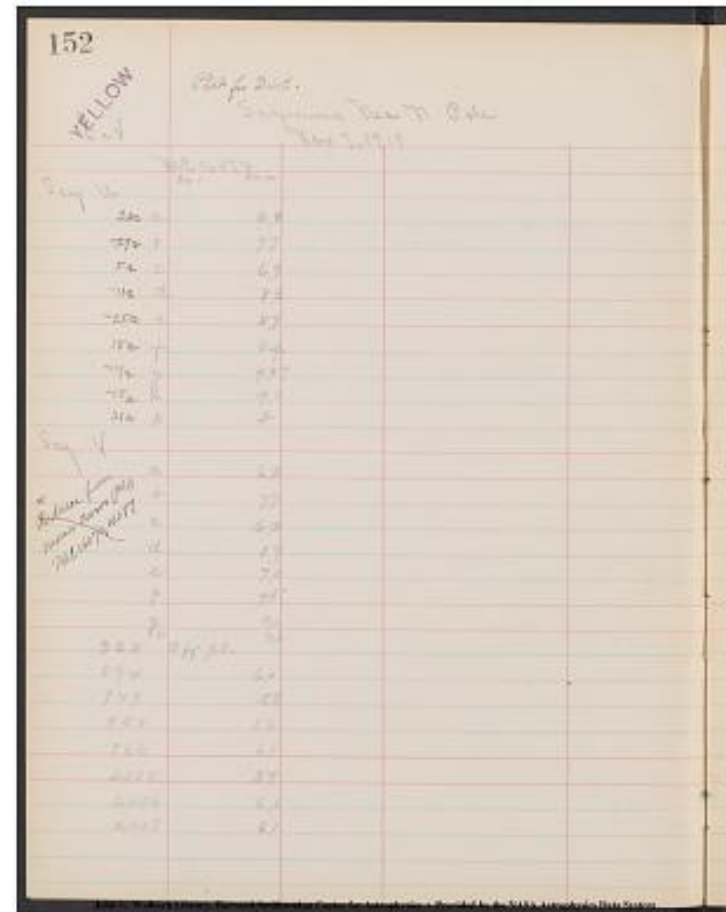
2035| 3.9|

2056| 6.1|

2057| 6.1|

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#62

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153

[[STAMP]]YELLOW

Sequences Near N Pole [[right margin]]Plot for Dist. [[/right margin]]

ScV Nov. 7, 1919

MC16074 Pole 88°.0

[[6 columned table]]

	Sc1	Sc2	g	h	PC
-61 1	B	B	5.5		
-53 4	1.3	6.1	6.1	7.3	
+88 5	1.9	elong	elong	8.0	
. 6	Off pl				
. 7	Off pl				
+100 8		4.0	3.9		
+107 9		4.9			
89 10		5.2			
97 11		6.3			
87 12		6.5			
81 12		6.5			
82 13		7.5			
92 15		8.3			
73 16		9.0	8.8		
73 17		9.5			
48 2	2.0				
36 4	r	3.9			
87° 12	+p				
15	+p				
88° 2		3.9			
80		5.7			
90		5.3			
51	105	5.0			
31	115	5.5			

[[/6 columned table]]

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Data System [[.]] Provided by the NASA Astrophysics Data System

153

YELLOW

Sequences Near N Pole Plot for Dist.

ScV Nov. 7, 1919

MC16074 Pole 88°.0

	Sc1	Sc2	g	h	PC
-61 1	B	B	5.5		
-53 4	1.3	6.1	6.1	7.3	
+88 5	1.9	elong	elong	8.0	
. 6	Off pl				
. 7	Off pl				
+100 8		4.0	3.9		
+107 9		4.9			
89 10		5.2			
97 11		6.3			
87 12		6.5			
81 12		6.5			
82 13		7.5			
92 15		8.3			
73 16		9.0	8.8		
73 17		9.5			
48 2	2.0				
36 4	r	3.9			
87° 12	+p				
15	+p				
88° 2		3.9			
80		5.7			
90		5.3			
51	105	5.0			
31	115	5.5			

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154

Plot for dist.

[[stamp]] YELLOW [[/stamp]]

Sequences Near N. Pole  
Sc V Nov. 7, 1919

MC 16074

Seq U

[[3 column table]]

Sc 1 | Sc 2 88°

0 a | 6.5

-22 b | 7.5

[[margin]] Reduce from Mean Curve (P. No.) MC 16070, 16077

[[/margin]]

15 l c | 6.2

11 l d | 7.9

-15 e | 8.2

-4 f | 8.9

-20 g | F

-16 h | 9.1?

-8 k | n.s.

323 Off pl. |

894 | 5.8

949 | 5.3

-25 l 958 | 6.1

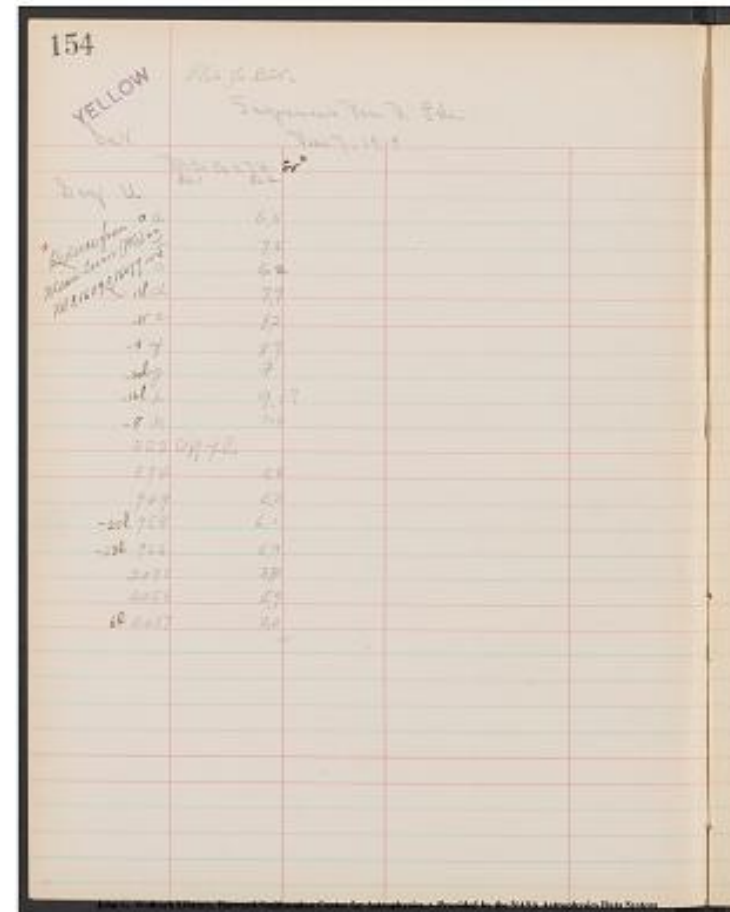
-23 l 966 | 5.9

2035 | 3.8

2056 | 5.9

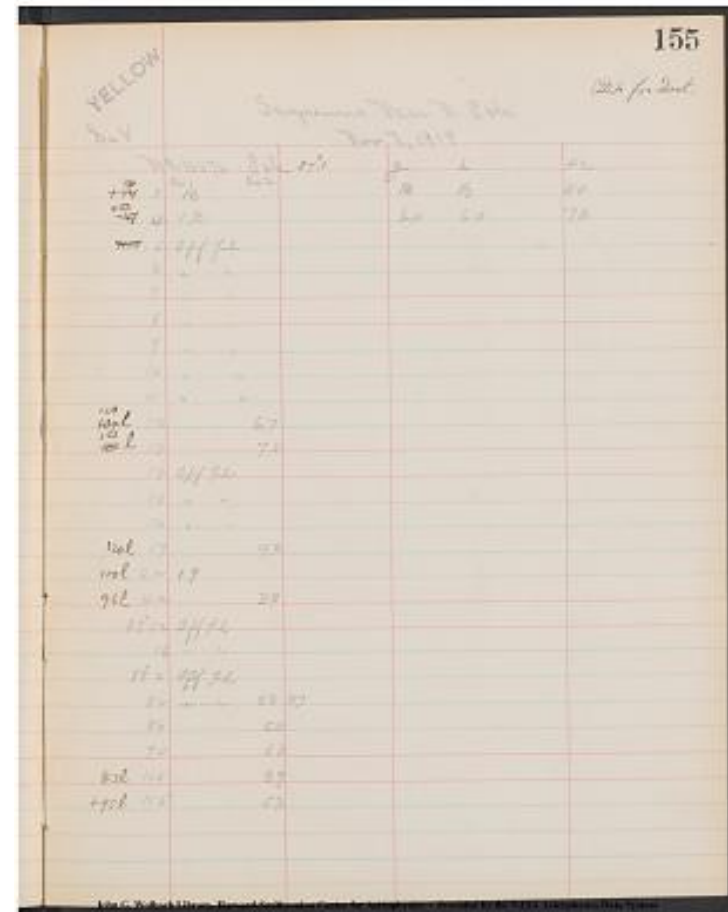
6 l 2057 | 6.0

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#62  
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155  
 [[stamp]] YELLOW [[/stamp]]  
 Plot for Dist.  
 Sequences near N. Pole  
 Sc V Nov. 7, 1919  
 [[4 columns]]  
 MC 16076 87.0[[degrees]]  
 |Sc1 Sc2|g h|PC|  
 +[[/strikethrough]]54[[/strikethrough]]+28 1|B |B B|5.4|  
 [[/strikethrough]]-47[[/strikethrough]]+33 4|1.3 |6.0 6.0|7.3|  
 [[/strikethrough]]+108[[/strikethrough]] 5|Off fil| | |  
 6" " | | |  
 7" " | | |  
 8" " | | |  
 9" " | | |  
 10" " | | |  
 11" " | | |  
 [[/strikethrough]]107[[/strikethrough]]120| 12| 6.7| | |  
 [[/strikethrough]]102[[/strikethrough]]121| 13| 7.5| | |  
 14|Off fil| | |  
 15" " | | |  
 16" " | | |  
 120| 17| 9.3| | |  
 100| 2r| 1.9 | | |  
 96| 4r| 3.8| | |  
 87[[degrees]] 12|Off fil| | |  
 15" " | | |  
 88[[degrees]] 2|Off fil| | |  
 80" " | 5.8| 5.7| | |  
 86| 5.0| | | |  
 90| 5.3| | | |  
 3| 105| 3.9| | |  
 +95| 115| 5.3| | |  
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 #62  
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156

[[stamp]]Yellow[[/stamp]]

Plot for Dist.

Sc V Sequences Near N. Pole

Nov 7, 1919

MC 16076 87°

Seq. N

[[2 column table]]

+84	a	6.3
+64	b	7.3
+86	c	6.3
+82	d	8.0
+71	e	8.7
+82	f	9.0
+72	g	9.3?
+74	h	9.1
+78	k	<del>[strikethrough]7</del>
323	Off fil	
894		5.7
949		5.3
+74	958	5.9
+78	966	5.7
2035		3.9
2056		5.7
+85	2057	5.9

156

YELLOW

Sc V

Sequences Near N. Pole

Nov 7, 1919

+84	a	6.3
+64	b	7.3
+86	c	6.3
+82	d	8.0
+71	e	8.7
+82	f	9.0
+72	g	9.3?
+74	h	9.1
+78	k	<del>[strikethrough]7</del>
323	Off fil	
894		5.7
949		5.3
+74	958	5.9
+78	966	5.7
2035		3.9
2056		5.7
+85	2057	5.9

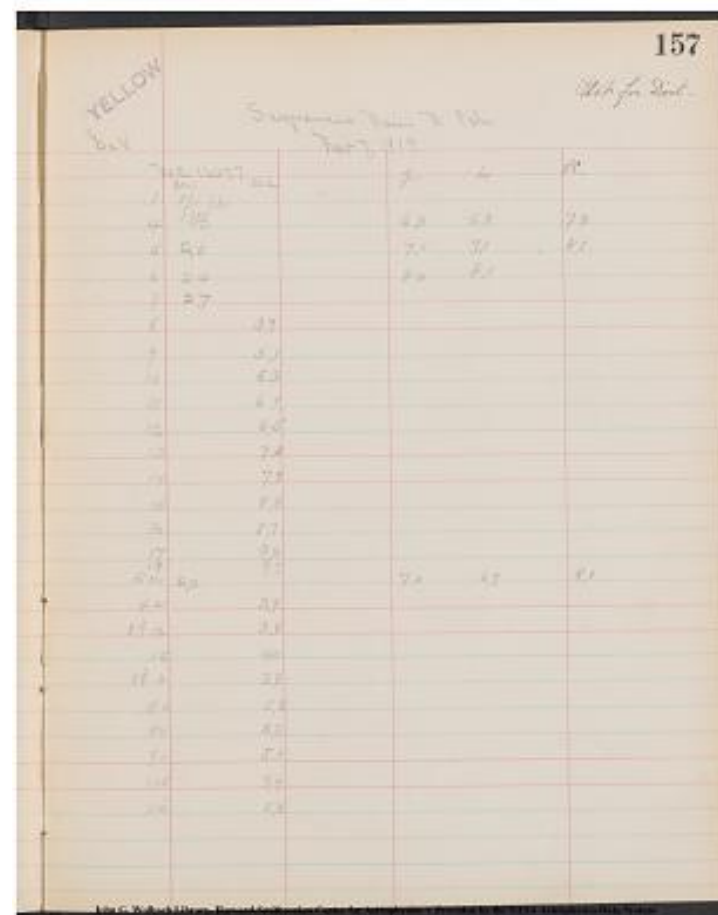
Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62

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157  
YELLOW | Plot for Dint.  
Sequences Neon N Pole \_Sev\_ Nov 7,  
1919

MC 16077	g	h	P.C.
1 Off pe se1 se2			
4 11B	6.3	6.3	7.3
5 2.0	7.1	7.1	8.1
6 2.4	8.0	8.1	
7 2.7			
8	3.9		
9	5.1		
10	5.3		
11	6.1		
12	6.5		
13	7.3		
14	7.9		
15	8.3		
16	8.7		
17	9.2		
18	9.7		
2r 2.0	7.0	6.9	8.1
4r	3.9		
87* 12	3.8		
15	4.0		
88* 2	3.8		
80	5.5		
86	5.3		
90	5.1		
105	3.9		
115	5.3		



Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates  
#62  
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158

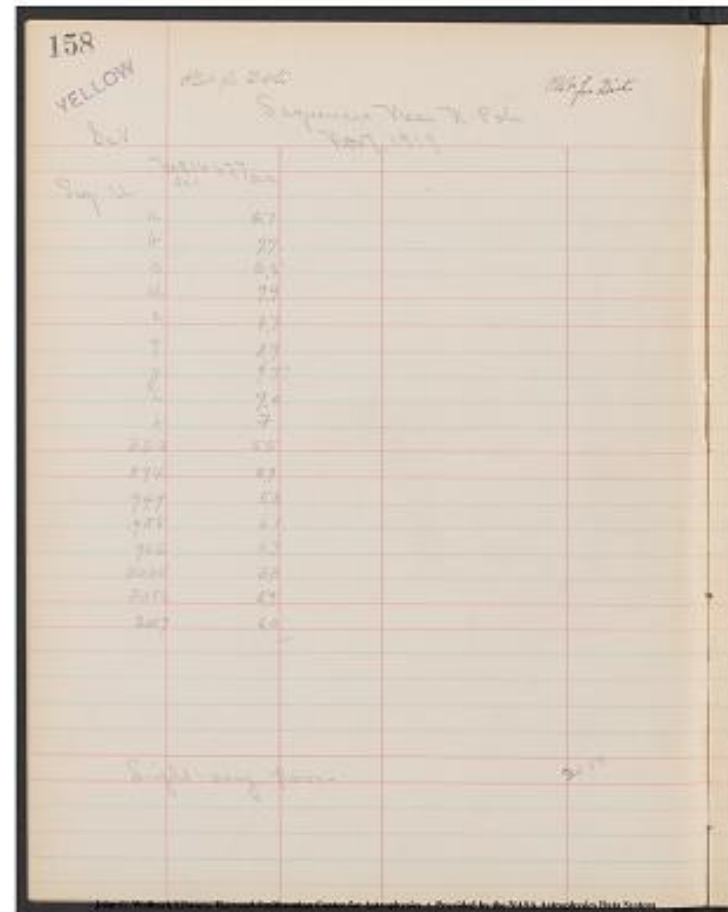
YELLOW Plot for Dist. Plot for Dist.  
Sequence Near N Pole  
Nov 7, 1919

MC 16077

Seq U  
[[3 column table]]

	Sc1	Sc2
a	6.7	
b	7.7	
c	6.5	
d	7.9	
e	8.7	
f	8.9	
g	9.7?	
h	9.0	
k	F	
323	5.5	
894	5.9	
949	5.3	
958	6.1	
966	5.7	
2035	3.8	
2056	5.9	
2057	6.0	

Light-very poor 2:00



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#62  
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159

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole

[[underlined]] Nov 10, 1919 [[/underlined]]

12- MC16070 MC16070

[[3 columned table]]

SeqM | Sc 1 | Sc2 |

a	7.1
b	7.5
c	8.5
d	8.7
e	9.0
f	9.3
g	9.5?
h	9.7?
k	n.s

Seq R

a	7.0
b	7.5
c	7.8
d	8.0
e	8.9
f	8.3
g	8.5
h	9.7?
k	9.0
l	9.5 9.7

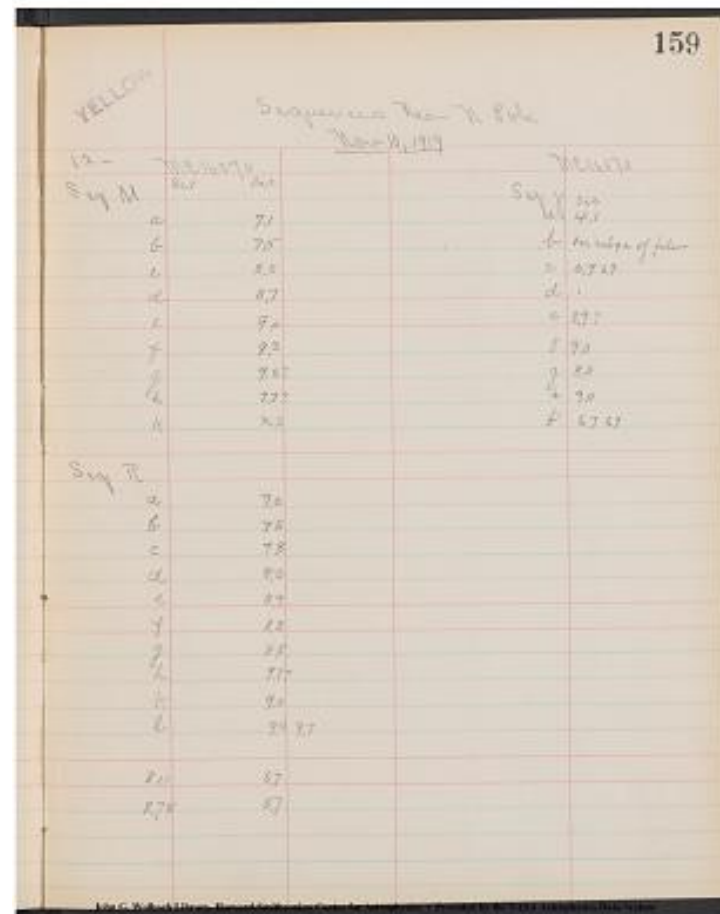
811	5.7
8.78	5.7

Seg gamma

a	4.1
b	On edge of film
c	6.9 6.7
d	.
e	8.9?
f	9.0
g	8.3
h	9.0
b	6.7 6.9

[[/3 columned table]]

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

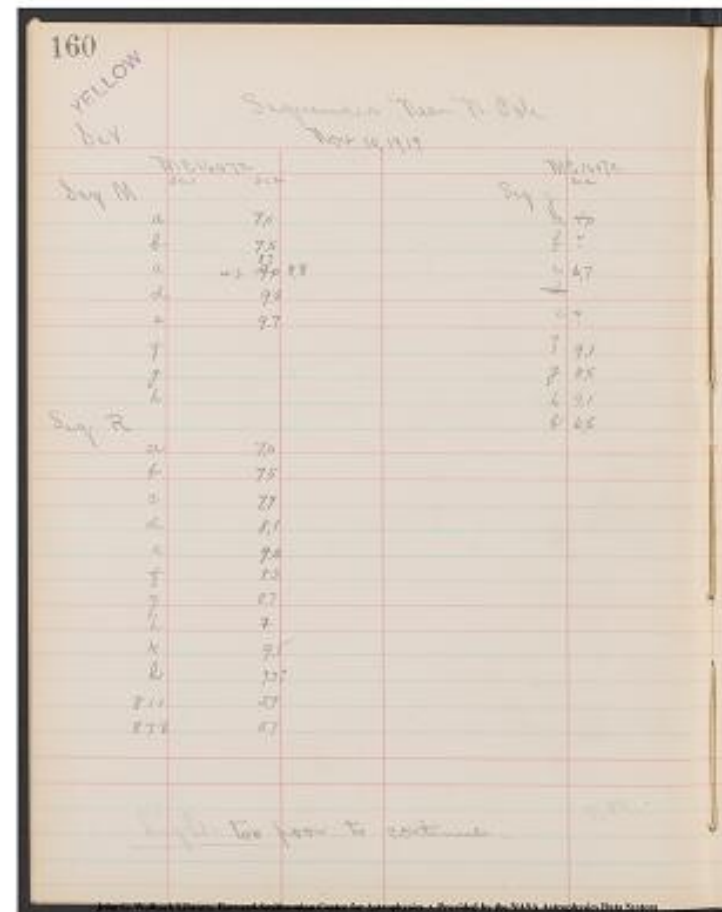


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 #62  
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160  
 [[stamp in blue]] YELLOW [[/stamp in blue]]  
 ScV Sequences Near N Pole  
 Nov 10, 1919

[[3 columned table]]  
 ---|---|---|  
 MC16072  
 Seq M|Sc1|Sc2|  
 a| 7.0|  
 b| 7.5|  
 c| w.s. 8.7 ~~9.0~~ ~~8.8~~  
 d| 9.5|  
 e| 9.7|  
 f| |  
 g| |  
 h| |  
 Seq R  
 a| 7.0|  
 b| 7.5|  
 c| 7.9|  
 d| 8.1|  
 e| 9.0|  
 f| 8.3|  
 g| 8.7|  
 h| F|  
 k| 9.1|  
 l| 9.7?  
 811| 5.9|  
 878| 5.7|  
 [[/3 columned table]]

MC16072  
 [[2 columned table]]  
Seq j	sc2
 a| 4.0|  
 b| ?|  
 c| 6.7|  
~~d|~~  
 e| ?|  
 f| 9.1|  
 g| 8.5|  
 h| 9.1|  
 b| 6.5|  
 [[/2 columned table]]  
 Light - too poor to continue  
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 #62  
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161  
 [[stamp in blue]] YELLOW [[/stamp in blue]]  
 Sc V Sequences Near N Pole  
 Nov 12 ~~0~~, 1919  
 11:10 MC 16070  
 Seq M  
 [[3 columned table]]  

	Sc 1	Sc 2
a	7.0	
b	7.5	
c	8.5	
d	8.9	
uncertain e		
f	n.s	
g	n.s	
h	9.8?	
811	5.7	
8.78	5.5	

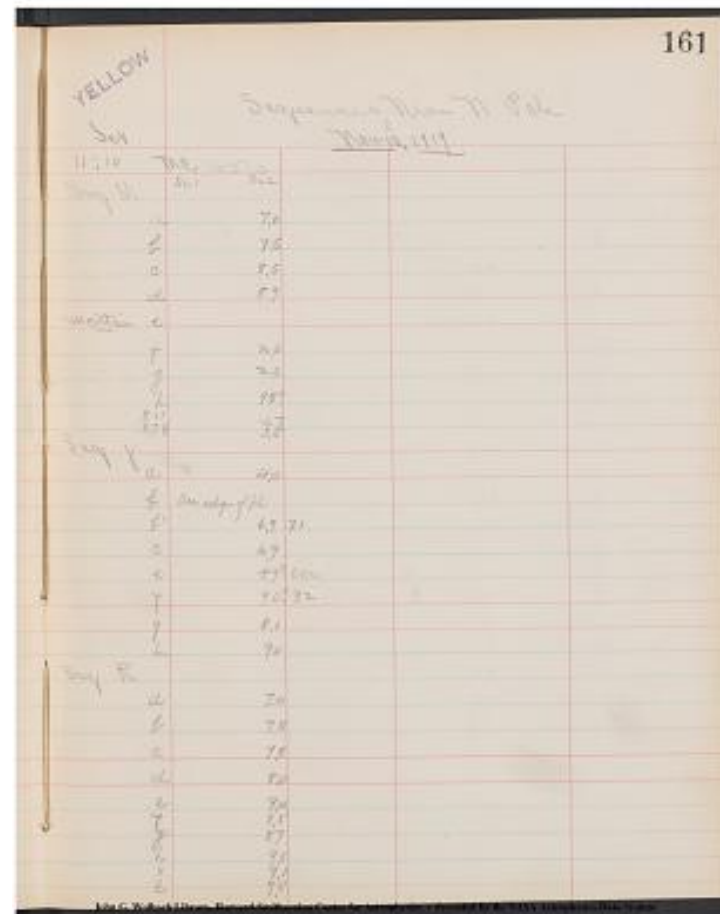
 Seq gamma  

a	4.0
b	on edge of pl
b1	6.9 7.1
c	6.9
e	8.9 <del>scr.</del>
f	9.0? 9.2
g	8.1
h	9.0

 Seq R  

a	7.0
b	7.5
c	7.8
d	8.0
e	9.0
f	8.5
g	8.7
h	9.5
k	9.1
l	9.5

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 #62  
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162  
 [[stamp]]Yellow[[/stamp]]  
 ScV Sequences Near N Pole Nov 12, 1919  
 Mc 16071 [[Plate badly broken]]  
 [[2 columns]]  
 Seq M|Sc1 Sc2|  
 a| 7.3|  
 b| 7.7|  
 c| 8.7|  
~~d~~~~[[/del]]e~~ defective|  
 d| 9.5|  
 f| ns|  
 g| ns|  
 Seq j  
 a| 4.0|  
 b| On edge|  
 b1| 6.7|  
 c| 6.5|  
 e| Too near edge|  
 f| " "|  
 g| 8.5|  
 h| 9.5|  
 Seq R  
 a| 7.1|  
 b| 7.7|  
 c| 7.9|  
 d| 8.1|  
 e| 9.0|  
 f| 8.5|  
 g| 8.7|  
 h| n.s~~[[/del]]~~ 9.8?|  
 k| 8.9|  
 l| n.s|  
 811| 5.7|  
 875| 5.5|

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 Provided by the NASA Astrophysics Data System

162  
 YELLOW  
 Sequences Near N Pole Nov 12, 1919  
 Seq M  
 a 7.3  
 b 7.7  
 c 8.7  
~~d~~~~[[/del]]e~~ defective  
 d 9.5  
 f ns  
 g ns  
 Seq j  
 a 4.0  
 b On edge  
 b1 6.7  
 c 6.5  
 e Too near edge  
 f " "  
 g 8.5  
 h 9.5  
 Seq R  
 a 7.1  
 b 7.7  
 c 7.9  
 d 8.1  
 e 9.0  
 f 8.5  
 g 8.7  
 h n.s~~[[/del]]~~ 9.8?  
 k 8.9  
 l n.s  
 811 5.7  
 875 5.5

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 #62  
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163  
 Yellow  
 Sequences Near N Pole  
 Nov 12, 1919  
 MC 16072  
 Seq M

[[3 column table]]

	Sc 1	Sc 2
--	------	------

a	7.1
b	7.7
c	8.7
d	<del>7</del> <del>9.5?</del>
e	9.7

Seq gamma

[[margin]] Seq. near edge of pl. Reg. poor [[/margin]]

a	4.0
b	on edge of pl
b'	6.7
c	6.7
<del>[[strikethrough]] d</del> <del>[[strikethrough]] e</del>	8.1
f	8.9
g	8.5
h	8.9

Seq R

a	7.0
b	7.5
c	7.9
d	8.0
e	9.0
f	8.3
g	8.5
h	n.s.
k	9.0
l	F
811	5.5
878	5.5

163

YELLOW

Sequences Near N Pole  
 Nov 12, 1919

Seq M			
a	7.1		
b	7.7		
c	8.7		
d	<del>7</del> <del>9.5?</del>		
e	9.7		
Seq gamma			
a	4.0		
b	on edge of pl		
b'	6.7		
c	6.7		
<del>[[strikethrough]] d</del> <del>[[strikethrough]] e</del>	8.1		
f	8.9		
g	8.5		
h	8.9		
Seq R			
a	7.0		
b	7.5		
c	7.9		
d	8.0		
e	9.0		
f	8.3		
g	8.5		
h	n.s.		
k	9.0		
l	F		
811	5.5		
878	5.5		

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165

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole  
Scv Nov 12, 1919

MC 16074

[[3 Columned Table]]

Seq M

	Sc 1	Sc 2
a	On edge of film	
b	On edge of film	
c	Off pl	
d	n.s	
e	Off pl	

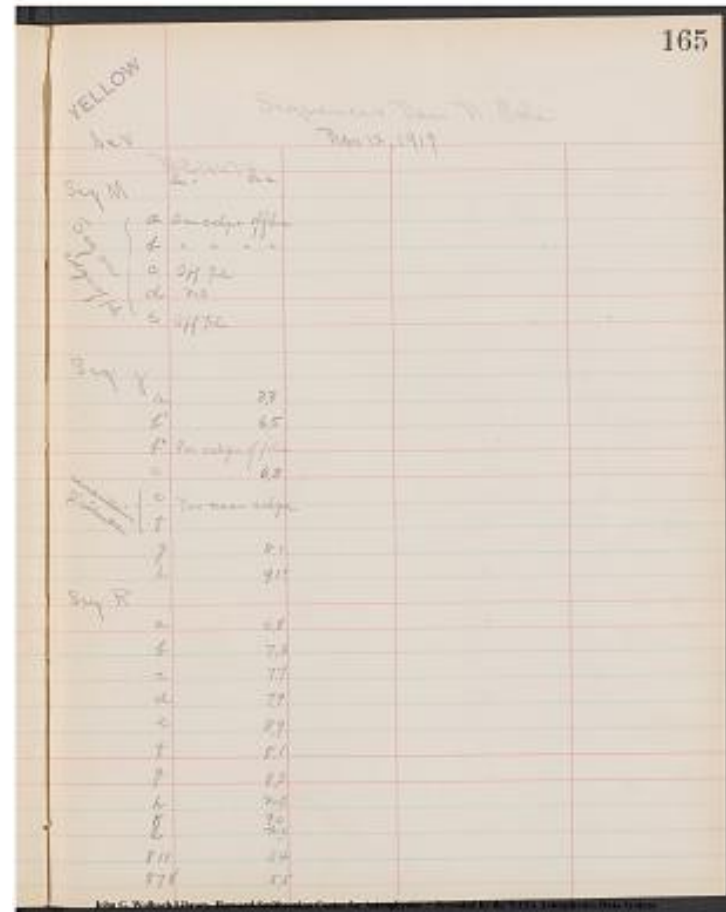
Seq gamma

[[3 Columned Table]]

a	3.8
b	6.5
b	On edge of film
c	6.3
	uncertain of identification
e	Too near edge
f	Too near edge
g	8.1
h	9.1?

Seq R

a	6.8
b	7.3
c	7.7
d	7.9
e	8.9
f	8.1
g	8.3
h	n.s
k	9.0
l	n.s
811	5.4
878	5.5



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#62  
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[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole  
Sc V Nov 12, 1919

MC 16076

Seq M

[[3 Columned Table]]

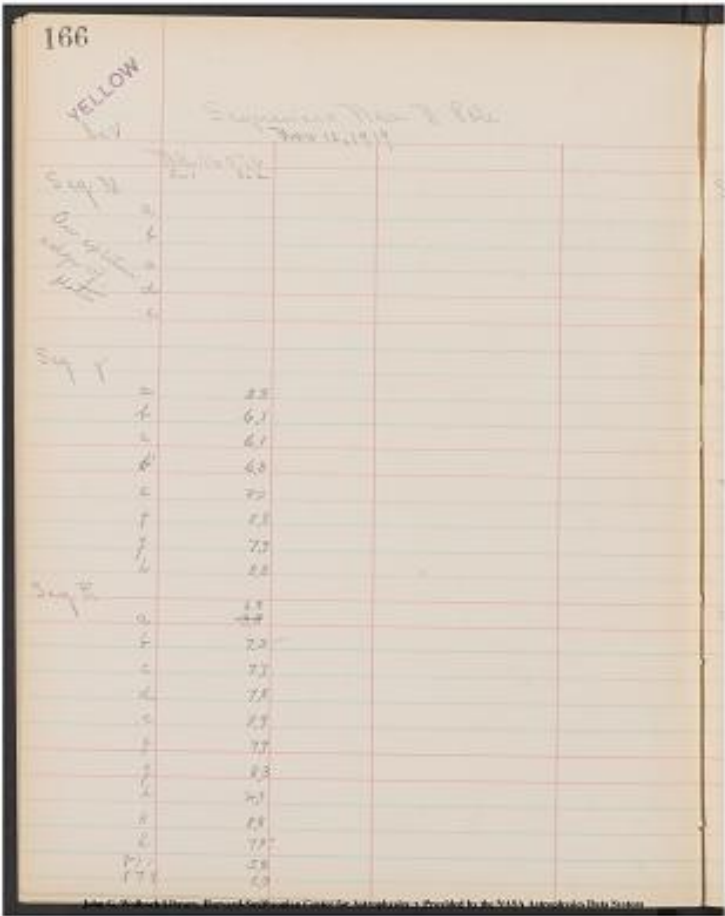
	Sc 1	Sc 2
[[margin]]	On extreme edge of plate [[/margin]]	
a		
b		
c		
d		
e		

Seq gamma

a	3.8
b	6.1
c	6.1
b^ <sup>1</sup>	6.3
e	8.0
f	8.8
g	7.9
h	8.8

Seq R

a	6.8	<del>3.8</del>
b	7.3	
c	7.7	
d	7.8	
e	8.9	
f	7.9	
g	8.3	
h	n.s	
k	8.8	
l	9.5?	
811	5.3	
878	5.3	



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[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole  
ScV Nov 12, 1919

MC16077

[[3 Columned Table]]

|Seq M|Sc1|Sc2|

a	7.0
b	7.5
c	8.5
d	8.9
e	9.1
f	9.3
g	9.5
h	9.7

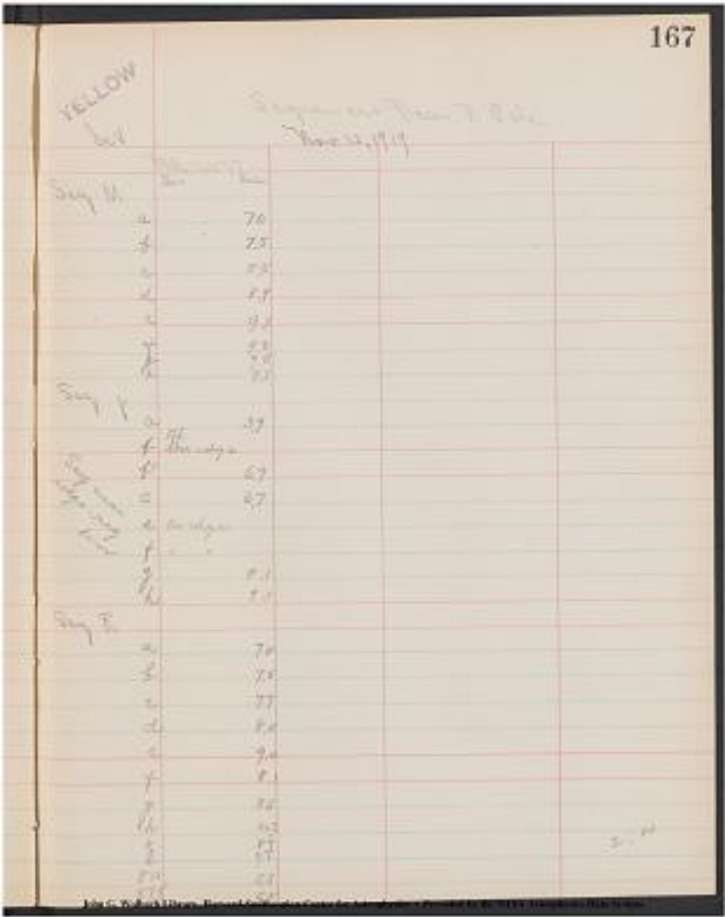
Seq gamma^[[Seq near edge - reg [[?]]]]

a	3.9
b	off the edge
c	6.7
d	6.7
e	On edge
f	On edge
g	8.1
h	9.1

Seq R

a	7.0
b	7.5
c	7.7
d	8.0
e	9.0
f	8.1
g	8.5
h	n.s
k	8.9
l	9.5
811	5.5
878	55

[[right margin]] 2:00 [[/right margin]]



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#62  
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Extracted Sep-28-2022 04:30:05

168  
 Yellow  
 Sequences Near N Pole  
 Nov 13, 1919  
 9:40 MC 16070  
 Seq e

a	5,7	5.5
b	8,1	
c	6,8	
d	7,5	
e	9,7	
f	9,5?	
g	8,2	
h	9,0	
k	n,s	

Seq W

a	6,5
b	5,9
c	6,7
d	8,0
e	7,9
f	9,7?
g	n,s
h	n,s
12.66	6,1
2056	6,5

168	
YELLOW	
Sequences Near N Pole	
Nov 13, 1919	
9:40 MC 16070	
Seq e	
a	5,7 5.5
b	8,1
c	6,8
d	7,5
e	9,7
f	9,5?
g	8,2
h	9,0
k	n,s
Seq W	
a	6,5
b	5,9
c	6,7
d	8,0
e	7,9
f	9,7?
g	n,s
h	n,s
12.66	6,1
2056	6,5

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62  
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YELLOW 169

Sequences Near N Pole  
Nov 13, 1919  
Me 16071

Seq C  
a 5,9  
b 8,3  
c 6,7  
d 7,7  
e 9,7  
f n,s  
g 8,8  
h 9,0  
k n,s

Seq W  
a w.s [strike-through]^[6,7]6,2[/strike-through]  
b w.s [strike-through]^[6,1]5,8[/strike-through]  
c 6,9  
d w.s [strike-through]^[8,3]8,7[/strike-through]8.5  
e 7,9  
f 97  
g n,s  
1266 6.3 6.5  
2056 6.3

YELLOW		169	
Sequences Near N Pole		Nov 13, 1919	
Seq C		Me 16071	
a	5,9		
b	8,3		
c	6,7		
d	7,7		
e	9,7		
f	n,s		
g	8,8		
h	9,0		
k	n,s		
Seq W		Me 16071	
a	w.s [strike-through]^[6,7]6,2[/strike-through]		
b	w.s [strike-through]^[6,1]5,8[/strike-through]		
c	6,9		
d	w.s [strike-through]^[8,3]8,7[/strike-through]8.5		
e	7,9		
f	97		
g	n,s		
1266	6.3 6.5		
2056	6.3		

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#62  
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170

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole  
Sev Nov 13, 1919

MC 16072

[[3 column table]]

Seq C | Sc1 | Sc2

a	5.7
b	8.3
c	6.9
d	7.5
e	9.5
f	9.7
g	8.1
h	8.9
k	n,s

Seq W | |

a	6.7
b	6.1
c	6.7
d	8.2
e	7.9
f	9.7?
g	ns
h	ns
1266	6.6
2056	6.3

170  
YELLOW

Sequences Near N Pole  
Nov 13, 1919

Seq C	Sc1	Sc2
a	5.7	
b	8.3	
c	6.9	
d	7.5	
e	9.5	
f	9.7	
g	8.1	
h	8.9	
k	n,s	

Seq W

a	6.7
b	6.1
c	6.7
d	8.2
e	7.9
f	9.7?
g	ns
h	ns
1266	6.6
2056	6.3

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#62  
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YELLOW

Sequences Near N Pole  
Nov 13, 1919

MC16073

[[2 Columned Table]]

Seq C|Sc1 Sc2

- a|5.9
- b|off film \_
- c|7.0
- d|7.5
- e|9.7
- f|7
- g|8.2
- h|9.1
- k|n,s

Seq W

- a|6.7
- b|6.0
- c|6.7
- d|8.1
- e|7.8
- f|9.7
- g|n,s

- 1266|6.2
- 2056|6.3

171

YELLOW

Sequences Near N Pole  
Nov 13, 1919

Seq	Mag	Sc1	Sc2
a	5.9		
b	off film		
c	7.0		
d	7.5		
e	9.7		
f	7		
g	8.2		
h	9.1		
k	n,s		
Seq W			
a	6.7		
b	6.0		
c	6.7		
d	8.1		
e	7.8		
f	9.7		
g	n,s		
1266	6.2		
2056	6.3		

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[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole

Scv|Nov 13, 1919

MC16074

[[2 Columned Table]]

|Seq C|Sc1 Sc2|

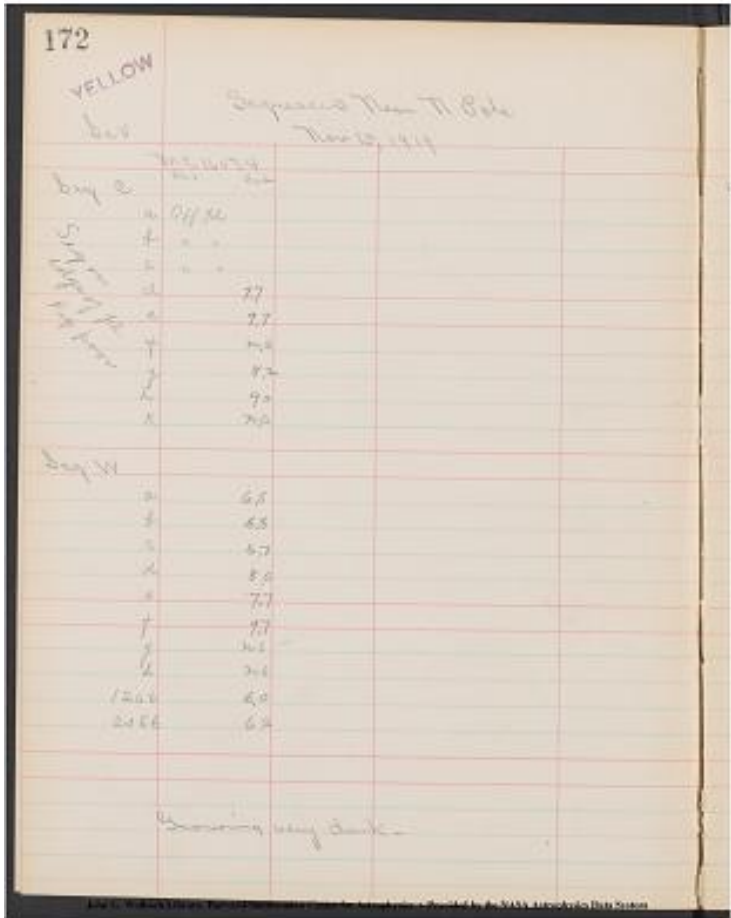
---|---|  
a|Off pl|  
b| " " |  
c| " " |  
d|7.7|  
e|9.7|  
f|n,s|  
g|8.2|  
h|90|  
k|n,s|

|Seq W| |

a|6.5|  
b|5.8|  
c|6.7|  
d|8.0|  
e|7.7|  
f|9.7|  
g|ns|  
h|ns|  
1266|6.0|  
2056|6.2|

Growing very dark \_

[[left margin]] Seq on edge of pl. Reg poor [[/left margin]]



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[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole  
Scv|Nov 13, 1919

MC16076

[[2 Columned Table]]

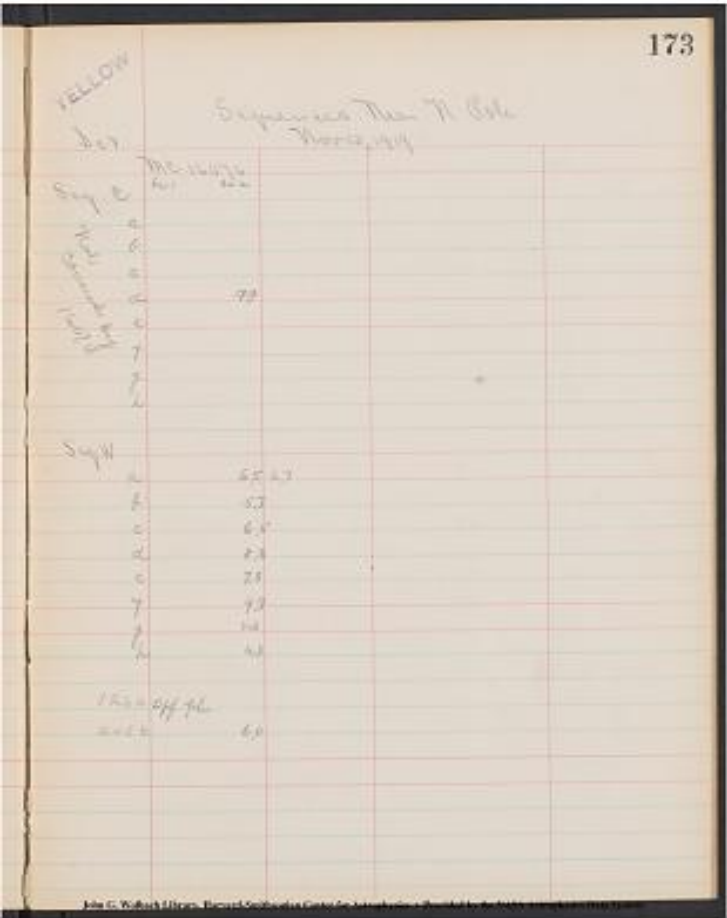
Seq C Sc1 Sc2
a
b
c
d 7.7
e
f
g
h

[[3 Columned Table]]

Seq W
a 6.5 6.7
b 5.7
c 6.5
d 8.3
e 7.8
f 9.7
g ns
h n,s

1266 off pl.
2056  6.0

[left margin] Not covered by 16076 [/left margin]



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YELLOW  
Sequences Near N Pole  
Sc V | Nov 13, 1919  
MC 16077  
Seq C | Sc1 | Sc2

a | 5.5 |  
b | 8.0 |  
c | 6.7 |  
d | 7.3 |  
e | 9.0 |  
f | 9.7 |  
g | |  
h | |

Seq W  
a | 6.5 |  
b | 5.7 |  
c | 6.7 |  
d | 7.9 |  
e | Sub ? |  
f | 9.3 |  
g | On edge |

1266 | 5.7 |  
2056 | 5.7 |

12:20

Sight - very poor \_ driving the last 3 platio?

174

YELLOW

Sequences Near N Pole  
Nov 13, 1919

Seq E	a	5.5
	b	8.0
	c	6.7
	d	7.3
	e	9.0
	f	9.7
	g	
	h	
Seq W	a	6.5
	b	5.7
	c	6.7
	d	7.9
	e	Sub ?
	f	9.3
	g	On edge
	1266	5.7
	2056	5.7

12:20

Sight - very poor \_ driving the last 3 platio?

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates  
#62  
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[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole  
Scv|Nov 14, 1919

[[6 Columned Table]]

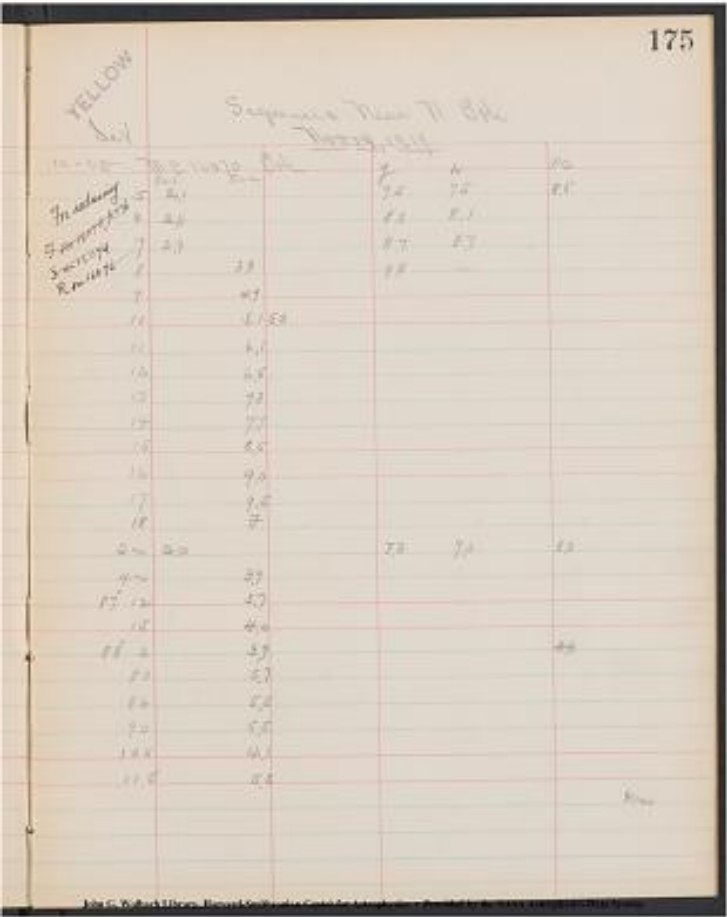
|10-05|MC16070|Pole|g|h|PC|  
|---|---|---|---|---|

[[7 Columned Table]]

	Sc1	Sc2				
5	2.1		7.5	7.5	8.5	
6	2.6		8.0	8.1		
7	2.9		8.7	8.7		
8	3.8	9.8				
9	4.9					
10	5.1	5.3				
11	6.1					
12	6.5					
13	7.3					
14	7.7					
15	8.5					
16	9.0					
17	9.5					
18	F					
2r	2.0		7.3	7.3	8.3	
4r	3.9					
87	[[symbol - degrees]] 12   3.7					
15	4.0					
88	[[symbol - degrees]] 2   3.9       <del>8.3</del>					
80	5.7					
86	5.5					
90	5.5					
105	4.1					
115	5.5					

[[left margin]] For reducing ~~F~~ on 16071, p. 176  
S on 16074  
R on 16076 ~~[[/strikethrough]]~~ [[/left margin]]

[[right margin]] over [[/right margin]]



Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62  
Transcribed and Reviewed by Digital Volunteers  
Extracted Sep-28-2022 04:30:05

[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole  
[[left margin]] Scv [[/left margin]] Nov 14, 1919

[[2 Columned Table]]  
| MC 16070|

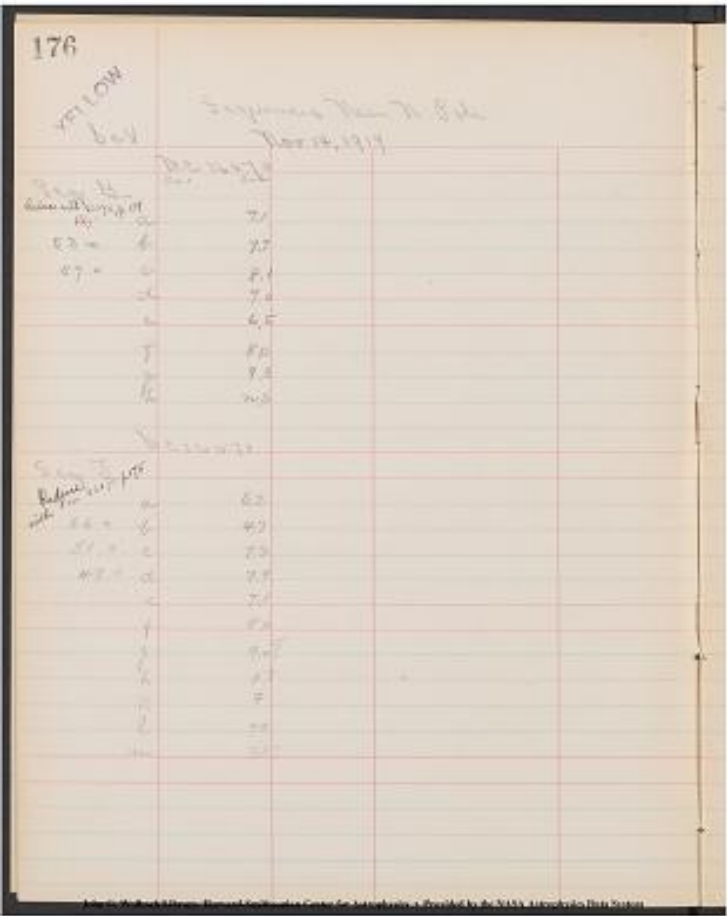
[[3 Columned Table]]

Seq G	Sc1	Sc2
53 = b	7.7	
59 = c	8.1	
d	7.0	
e	6.5	
f	8.0	
g	9.3	
h	n.s	

MC16071

[[3 Columned Table]]

Seq J		
66 = b	4.7	
51 = c	7.3	
47 = d	7.9	
e	7.1	
f	8.0	
g	9.0?	
h	8.7	
k	F	
l	9.8	
m	9.3?	



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[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole

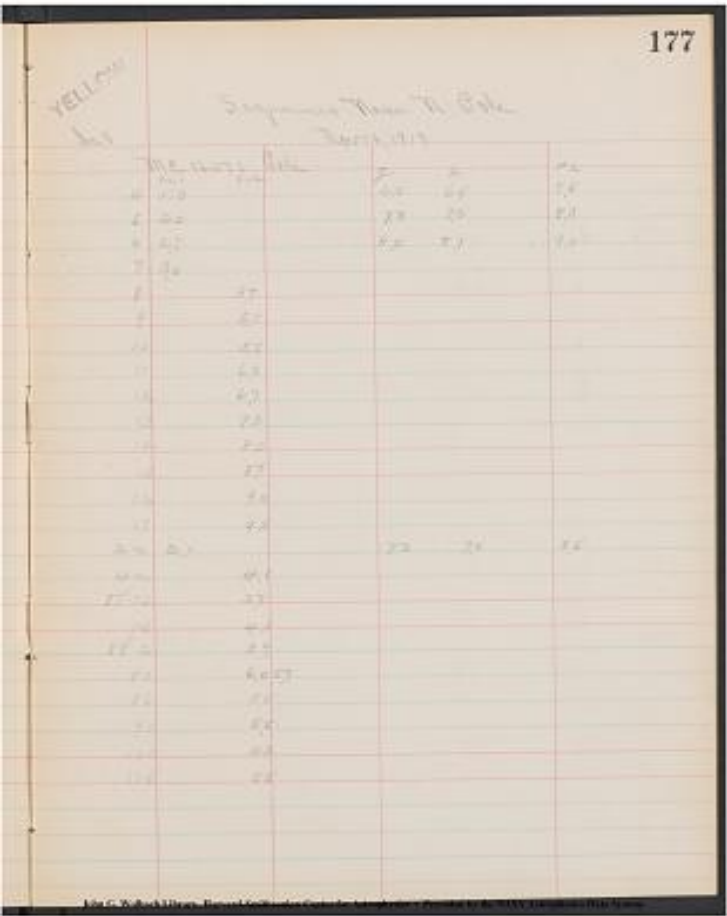
Scv Nov 14, 1919

[[6 Columned Table]]

| |MC16071|Pole| | | |

[[7 Columned Table]]

	Sc1	Sc2	lg	h	pc	
4	1.3		6.5	6.5	7.5	
5	2.0		7.3	7.5	8.3	
6	2.7		8.0	8.1	9.0	
7	3.0					
8	3.9					
9	5.1					
10	5.5					
11	6.3					
12	6.7					
13	7.3					
14	8.0					
15	8.7					
16	9.0					
17	9.5					
2r	2.1		7.3	7.5	8.5	
4r	4.1					
87	[[symbol - degrees]] 12  3.7					
15	4.1					
88	[[symbol - degrees]] 2  3.9					
80	6.0	5.9				
86	5.5					
90	5.5					
105	4.3					
115	5.5					



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Sequences Near N Pole  
Scv Nov 14, 1919

MC16074

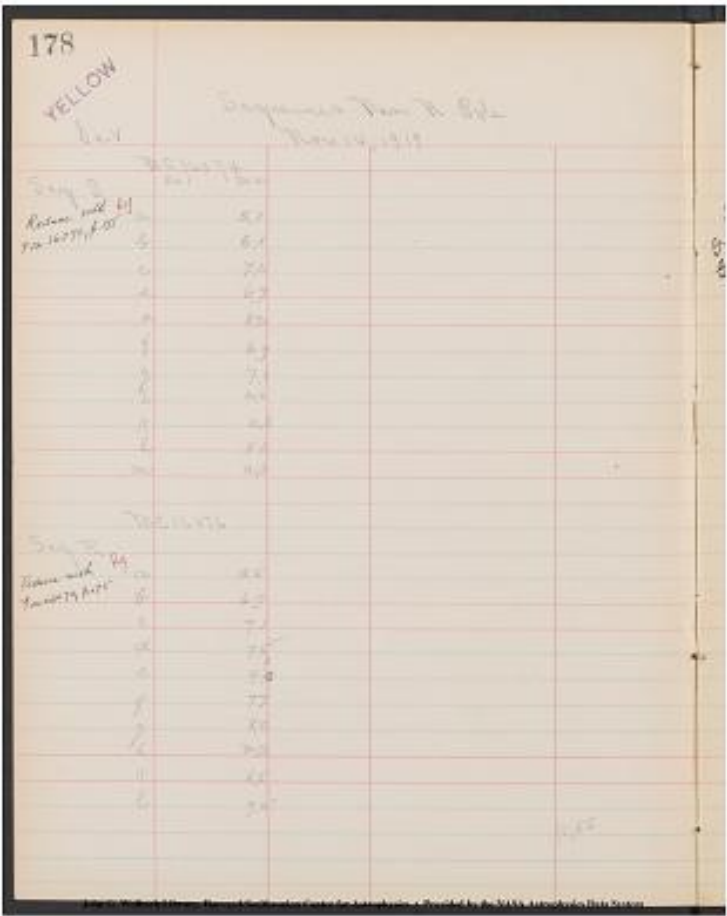
[[3 Columned Table]]

Seq	S	Sc1	Sc2
---	---	---	---
^[[Reduce with P on 16070, p. 175]]^[[?]] a  5.1			
b	6.1		
c	7.5		
d	6.9		
e	8.0		
f	6.9		
g	7.1		
h	n.s		
k	n.s		
l	8.5		
m	n.s		

MC16076

Seq R			
^[[Reduce with P on 16070, p. 75]]^[[Ry]] a 6.5			
b	6.7		
c	7.1		
d	7.5		
e	<del>9.0</del>		
f	7.7		
g	8.0		
h	n.s		
k	8.5		
l	9.5 ?		

[[right margin]] 11:55 [[/right margin]]



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[[stamp]] YELLOW [[/stamp]]

Sequences Near N Pole  
ScV Nov 14, 1919

MC16071

[[3 Columned Table]]

|Seq G^[[Reduce with P on 16073 ~~2~~]], p.  
181 ~~179~~]|Sc1|Sc2|

---	---	---
a	73	
53 = b	7.8	
59 = c	8.1	
d	7.1	
e	6.7	
f	8.1	
g	9.5?	
h	n.s	

MC16070

Seq K^[[Reduce with P on 16072, p. 179]]^[[Ry]]

a	6.4
b	6.7
c	7.3
d	7.7
e	8.0
f	7.0
g	8.2
h	8.9
k	n.s

[[right margin]] 2:10 [[/right margin]]

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#62  
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181  
 [[stamp]]YELLOW[[/stamp]] Sequences Near N. Pole  
 ScV [[underline]]Nov. 15, 1919[[/underline]]  
 1:00 MC16073 Pole  
 [[4 columns]]  
 [Sc1 Sc2]g h[PC]  
 [[right margin]]For reducing~~G~~ on 16072, p.182 K on  
 16071, p.182 F on 16070, p.183 L on 16076,  
 p.183~~[[/right margin]]~~[[/right margin]]  
 4<sup>h</sup>[1.3]1.2 | 6.1 6.3 | 7.5 |  
 5<sup>h</sup>[2.2]2.1 | 7.0 7.1 | 8.1 |  
 6<sup>h</sup>[2.8]2.7 | 8.3 8.5 | 9.0 |  
 7<sup>h</sup>[3.1]3.0 | | |  
 8 | 4.1 | | |  
 9 | 5.0 | | |  
 10 | 5.3 | | |  
 11 | 6.3 | | |  
 12 | 6.8 | | |  
 13 | 7.3 | | |  
 14 | 7.9 | | |  
 15 | 8.7 | | |  
 16 | 9.0 | | |  
 17 | 9.3 | | |  
 18 | 2.3 9.9 | | |  
 2r | 2.2 | 7.0 7.1 | 8.1 |  
 4r | 3.9 | | |  
 87<sup>h</sup>[[degrees]] 12 | 3.9 | | |  
 15 | 4.2 | | |  
 88<sup>h</sup>[[degrees]] 2 | 4.1 | | |  
 80 | 6.0 | | |  
 86 | 5.7 | | |  
 90 | 5.5 | | |  
 105 | 4.1 | | |  
 115 | 5.5 | | |

181

YELLOW

Sequences Near N. Pole

Nov. 15, 1919

1:00 MC16073 Pole

For reducing  
 G on 16072, p.182 K on  
 16071, p.182 F on 16070, p.183 L on 16076,  
 p.183

Sc1	Sc2	g	h	PC
4 <sup>h</sup>	[1.3]	1.2	6.1	6.3   7.5
5 <sup>h</sup>	[2.2]	2.1	7.0	7.1   8.1
6 <sup>h</sup>	[2.8]	2.7	8.3	8.5   9.0
7 <sup>h</sup>	[3.1]	3.0		
8	4.1			
9	5.0			
10	5.3			
11	6.3			
12	6.8			
13	7.3			
14	7.9			
15	8.7			
16	9.0			
17	9.3			
18	2.3	9.9		
2r	2.2	7.0	7.1	8.1
4r	3.9			
87 <sup>h</sup>	[[degrees]]	12	3.9	
15	4.2			
88 <sup>h</sup>	[[degrees]]	2	4.1	
80	6.0			
86	5.7			
90	5.5			
105	4.1			
115	5.5			

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182  
 YELLOW  
 Dev  
 Sequences Near N Pole  
 Nov 15, 1919  
 MC16072

Seq G Rej. | Sc1 Sc2  
 Reduce and  
 Pon 1607 4 ~~3~~ p. 18H  
 a | 7.1  
 58= b | 7.7  
 59= c | 8.1  
 d | 7.1  
 e | 6.9  
 f | 8.0  
 g | 9.3  
 h | ~~[[?]]~~

MC 16071  
 Deq K  
 Rej.  
 Near ~~On~~ edge of broken plate \_ reg  
 hour.  
 a | 6.9  
 b | 7.2  
 c | 7.5  
 d | 7.9  
 e | 8.3  
 f | 7.5  
 g | 8.9  
 h | def\_  
 k | n.s

Reduce with P on 16073, p. 181

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 - Provided by the NASA Astrophysics Data System

Sequences Near N Pole		Plate	a	b	c	d	e	f	g	h	k
Pon 1607 4	3	18H	7.1	7.7	8.1	7.1	6.9	8.0	9.3	<del>[[?]]</del>	
Pon 16073											
MC 16071											
Deq K											
			6.9	7.2	7.5	7.9	8.3	7.5	8.9	def_	n.s

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 #62  
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183

[[stamp]]YELLOW[[/stamp]] Sequences Near N Pole

ScV Nov. 15, 1919

[[2 columns]]

MC16070

Seq F|Sc1 Sc2|

[[right margin]]^[[sij]]Reduce with P on 16073 p. 181[[/right margin]]

a| 7.1|

b| 7.5|

c| 7.9|

d| 7.5|

[[right margin]]Images near edge. ??{e f g}[[/right margin]]

e| 8.7q|

f| 7.7|

g| F|

h| 8.7|

k| ns|

MC16076|

Seq. L| |

[[right margin]]^[[sij]]Reduce with P on 16073, p.181[[/right margin]]

a| 6.3|

b| 7.1|

c| 7.5|

d| 8.0|

e| 8.5|

f| 9.1|

g| ns|

h| ns|

k| ns|

| | 2:10

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Provided by the NASA Astrophysics Data System

Seq	Sc1	Sc2	Reduce with P on 16073 p. 181
a	7.1		
b	7.5		
c	7.9		
d	7.5		
e	8.7q		
f	7.7		
g	F		
h	8.7		
k	ns		

Seq	Sc1	Sc2	Reduce with P on 16073, p.181
a	6.3		
b	7.1		
c	7.5		
d	8.0		
e	8.5		
f	9.1		
g	ns		
h	ns		
k	ns		

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184  
 [[stamp]]YELLOW[[/stamp]] Sequences Near N Pole  
 ScV [[underline]]Nov 17, 1919[[/underline]]  
 10-15 MC16074 Pole  
 [[4 columns]]  
 [Sc1 Sc2]g h[PC]  
 [[right margin]] For reducing. Rejects near edge{K on 16072, p.185 F on  
 16071, p.185 G on 16072, p.182[[/right margin]]  
 1|B |B B|5.3|  
 4|^[[1.5]]1.4 |6.0 6.1|7.2|  
 5|^[[2.0]]1.9 |7.1 7.0|8.0|  
 6|Off fill| | |  
 7| | | | |  
 8| 3.9| | | |  
 9| tp| | | |  
 10| 5.1| | | |  
 11| 6.2| | | |  
 12| 6.5| | | |  
 13| 7.3| | | |  
 14| 7.7| | | |  
 15| 8.2| | | |  
 16| 9.0| | | |  
 17| 9.5| | | |  
 2r|^[[2.1]]2.0 |7.0 7.1|8.1|  
 4r| 3.9| | | |  
 87|[degrees]] 12|tp | | |  
 15|tp | | | |  
 88|[degrees]] 2| 3.9| | |  
 80| 5.9| | | |  
 86| 5.5| | | |  
 90| 5.3| | | |  
 105| 4.0| | | |  
 115| 5.3| | | |

184

YELLOW

Sequences Near N Pole

Sc1	Sc2	g	h	PC
1	B	B	5.3	
4	1.5	1.4	6.0 6.1	7.2
5	2.0	1.9	7.1 7.0	8.0
6	Off fill			
7				
8	3.9			
9	tp			
10	5.1			
11	6.2			
12	6.5			
13	7.3			
14	7.7			
15	8.2			
16	9.0			
17	9.5			
2r	2.1	2.0	7.0 7.1	8.1
4r	3.9			
87	degrees	12	tp	
15	tp			
88	degrees	2	3.9	
80	5.9			
86	5.5			
90	5.3			
105	4.0			
115	5.3			

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 #62  
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[[stamp]]YELLOW[[/stamp]] Sequences Near N Pole

ScV Nov 17, 1919

[[4 columns]]

MC16072 MC16070

Seq K^[[Sc1]]Reject^[[Sc2]]Seq H|Sc1 Sc2|

[[right margin]]Reduce with P on 16074 p.184 On edge of filate[[/right margin]]

a| 6.7|[[Reg hoov Seq on edge of films ident. uncertain.{a-h}}a| 6.5|

b| 7.1|b| |

c| 7.5|c| |

d| 7.9|d| ws^[[7.7]]~~9.0~~?

e|On edge film|e|On edge film|

f| " " |f| ws|

g| " " |g| 9.7?

h|defective|h| ws|

k|ws| |

Seq F|MC16071 Rej|

[[2 columns]]

[[right margin]]Reduce with P on 16074 p184 Near edge of plate

[[underline]]Rig poor[[/underline]]

a| 7.1|

b| 7.7|

c| 7.8|

d| 7.7|

e| tp|

f| 7.8q|

g| ws|

h| 8.9|

11-

185

YELLOW

Sequences Near N Pole

ScV Nov 17, 1919

MC16072 MC16070

Seq K^[[Sc1]]Reject^[[Sc2]]Seq H|Sc1 Sc2|

[[right margin]]Reduce with P on 16074 p.184 On edge of filate[[/right margin]]

a| 6.7|[[Reg hoov Seq on edge of films ident. uncertain.{a-h}}a| 6.5|

b| 7.1|b| |

c| 7.5|c| |

d| 7.9|d| ws^[[7.7]]~~9.0~~?

e|On edge film|e|On edge film|

f| " " |f| ws|

g| " " |g| 9.7?

h|defective|h| ws|

k|ws| |

Seq F|MC16071 Rej|

[[2 columns]]

[[right margin]]Reduce with P on 16074 p184 Near edge of plate

[[underline]]Rig poor[[/underline]]

a| 7.1|

b| 7.7|

c| 7.8|

d| 7.7|

e| tp|

f| 7.8q|

g| ws|

h| 8.9|

11-

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186

Blue ~~Plot 16~~ ~~Sequences Near N Pole~~ ~~Sc V Nov 17, 1919~~

12:05|35230| pc

[[4-columned]]

P + 90|Sc1 Sc2|Diff|Diff

1| +h| 5.5-1.02

2| +h| 6.1-0.82

3| +h| 7.0-1.19

4| +h| 7.2-1.21

5|2.1 2.0|4.39|7.5-1.01

6|2.8 2.7|4.31|7.9-0.79

7|3.1 3.0|4.21|8.0-0.69

8|4.0 4.00 00 4.0|4.23|9.0-0.77

9|4.7|4.13|9.7-0.87

10|4.9|4.12|9.8-0.78

11|5.5|4.05|

12|5.9|3.96|

13|6.5|3.80|

14|6.7|3.95|

15|7.3|3.78|

16|7.5|3.90|

17|7.8|3.83|

18|8.3|3.76|

19|8.5|3.92|

20|8.7|4.03|

23|9.3|4.04|

25|9.8|4.07|

186

Sequences Near N Pole

Nov 17, 1919

P + 90	Sc1	Sc2	Diff	Diff
1	5.5	1.02		
2	6.1	0.82		
3	7.0	1.19		
4	7.2	1.21		
5	2.1	2.0	4.39	7.5-1.01
6	2.8	2.7	4.31	7.9-0.79
7	3.1	3.0	4.21	8.0-0.69
8	4.0	4.00	00 4.0	4.23 9.0-0.77
9	4.7	4.13		9.7-0.87
10	4.9	4.12		9.8-0.78
11	5.5	4.05		
12	5.9	3.96		
13	6.5	3.80		
14	6.7	3.95		
15	7.3	3.78		
16	7.5	3.90		
17	7.8	3.83		
18	8.3	3.76		
19	8.5	3.92		
20	8.7	4.03		
23	9.3	4.04		
25	9.8	4.07		

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187  
 Blue ~~Sequences Near N Pole~~ YELLOW  
 Sc V Nov 17, 1919  
 l35230 | pc  
 [[4-columned]]  
 Seq X + 87 | Sc1 Sc2 | Cw Mogu Copied 53:168 | Sc2  
 Reduced with P+90° a | 3.8 3.7 3.85 01 3.9 | 4.22 8.07 | 8.7-0.76 7.94  
 b | 4.8 | 4.11 8.91 | 9.7-0.87 8.83  
 c | 5.0 | 4.08 9.08 |  
 d | 5.2 | 4.04 9.24 |  
 e | w.s 7.5 | 3.80 11.30 |  
 f | w.s 5.7 | 3.98 9.68 |  
 g | 5.5 | 4.00 9.50 |  
 h | 6.7 | 3.84 10.54 |  
 k | 7.0 | 3.81 10.81 |  
 l | 7.3 | 3.80 11.10 |  
 m | 8.1 | 3.84 11.94 |  
 n | 8.20 8.3 | 11 8.1 3.85 12.05 |  
 o | 8.3 | 3.86 12.16 |  
 p | 8.7 | 3.92 12.62 |  
 q | 8.9 | 3.95 12.85 |  
 r | 9.0 | 3.96 12.96 |  
 s | 9.3 | 4.02 13.32 |  
 w | 9.5 | 4.05 13.55 |  
 w | n.s. | . |

Images for not ...

187

*Sequences Near N Pole*

Seq	Sc1	Sc2	Cw	Mogu	Copied
a	3.8	3.7	3.85	01	3.9
b	4.8	4.11	8.91	9.7-0.87	8.83
c	5.0	4.08	9.08		
d	5.2	4.04	9.24		
e	w.s 7.5	3.80	11.30		
f	w.s 5.7	3.98	9.68		
g	5.5	4.00	9.50		
h	6.7	3.84	10.54		
k	7.0	3.81	10.81		
l	7.3	3.80	11.10		
m	8.1	3.84	11.94		
n	8.20 8.3	11 8.1	3.85 12.05		
o	8.3	3.86	12.16		
p	8.7	3.92	12.62		
q	8.9	3.95	12.85		
r	9.0	3.96	12.96		
s	9.3	4.02	13.32		
w	9.5	4.05	13.55		
w	n.s.	.			

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188  
 Blue~~YELLOW~~ Plot 16  
 Sequences Near N Pole  
 ScV Nov 17, 1919 Copied 53:168  
 [3 columns]  
 J35230  
 Seq & +86° Sc1 Sc2 Cu Magn  
 c=a| 4.0|4.19 8.19|  
 [[right margin]]Reduce with P+89° b| 4.7^[4.80  
 [[underline]]1[[underline]]1]]4.9^[4.19] 8.99|  
 c| ?| |  
 d| 5.1|4.15 9.25|  
 e| 7.3|3.94 11.24|  
 [[right margin]]Region poor-images blurry[[/right margin]]  
 f| 5.9|4.07 9.97|  
 g| 5.5|4.12 9.62|  
 h| 6.5|4.00 10.50|  
 k| 7.1|3.95 11.05|  
 l| 7.3|3.94 11.24|  
 m| 7.8|3.93 11.73|  
 n| 8.1|3.94 12.04|  
 o| 8.1|3.94 12.04|  
 p| 8.5|3.95 12.45|  
 q| 8.9|3.98 12.88|  
 r|nearly sup|. |  
 s| 9.3|4.02 13.32|  
 u| ns|. |  
 w| ns|. |

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 Provided by the NASA Astrophysics Data System

Seq	Sc1	Sc2	Cu	Magn
a	4.0	4.19	8.19	
b	4.7	4.80	8.99	
c	?			
d	5.1	4.15	9.25	
e	7.3	3.94	11.24	
f	5.9	4.07	9.97	
g	5.5	4.12	9.62	
h	6.5	4.00	10.50	
k	7.1	3.95	11.05	
l	7.3	3.94	11.24	
m	7.8	3.93	11.73	
n	8.1	3.94	12.04	
o	8.1	3.94	12.04	
p	8.5	3.95	12.45	
q	8.9	3.98	12.88	
r	nearly sup.			
s	9.3	4.02	13.32	
u	ns.			
w	ns.			

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 #62  
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Blue ~~[[strikethrough]]~~ ~~[[stamp]]~~ YELLOW ~~[[strikethrough]]~~

Sequences Near N Pole

Sc V Nov 17, 1919

135230|Diff|pc

[[4 columned table]]

P + 89°|Sc1 Sc2| Sc2

1|+h| 5.3-0.82

2|+h| 6.3-1.02

3|+h| 7.0-1.19

4|+h| 6.9-0.91

5|2.2 2.1|4.29|7.7-1.21

6|2.9 2.8|4.21|8.1-0.99

7|+h| 8.1-0.79

8|4.0 3.9 4.05 4.1|4.18|9.0-0.77

9|4.5|4.33|

10|4.9|4.12|

11|5.3|4.25|

12|5.7|4.16|

13|nearly supr|. |

14|6.7|3.95|

15|7.1|3.98|

16|7.3|4.10|

17|7.7|3.93|

18|8.2|3.86|

19|8.5|3.92|

20|8.7|4.03|

23|9.3|4.04|

25|9.8|4.07|

1:30

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Provided by NASA Astrophysics Data System

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Sequences Near N Pole

Sc V Nov 17, 1919

135230|Diff|pc

[[4 columned table]]

P + 89°|Sc1 Sc2| Sc2

1	+h	5.3-0.82
2	+h	6.3-1.02
3	+h	7.0-1.19
4	+h	6.9-0.91
5	2.2 2.1	4.29 7.7-1.21
6	2.9 2.8	4.21 8.1-0.99
7	+h	8.1-0.79
8	4.0 3.9 4.05 4.1	4.18 9.0-0.77
9	4.5	4.33
10	4.9	4.12
11	5.3	4.25
12	5.7	4.16
13	nearly supr .	
14	6.7	3.95
15	7.1	3.98
16	7.3	4.10
17	7.7	3.93
18	8.2	3.86
19	8.5	3.92
20	8.7	4.03
23	9.3	4.04
25	9.8	4.07

1:30

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62

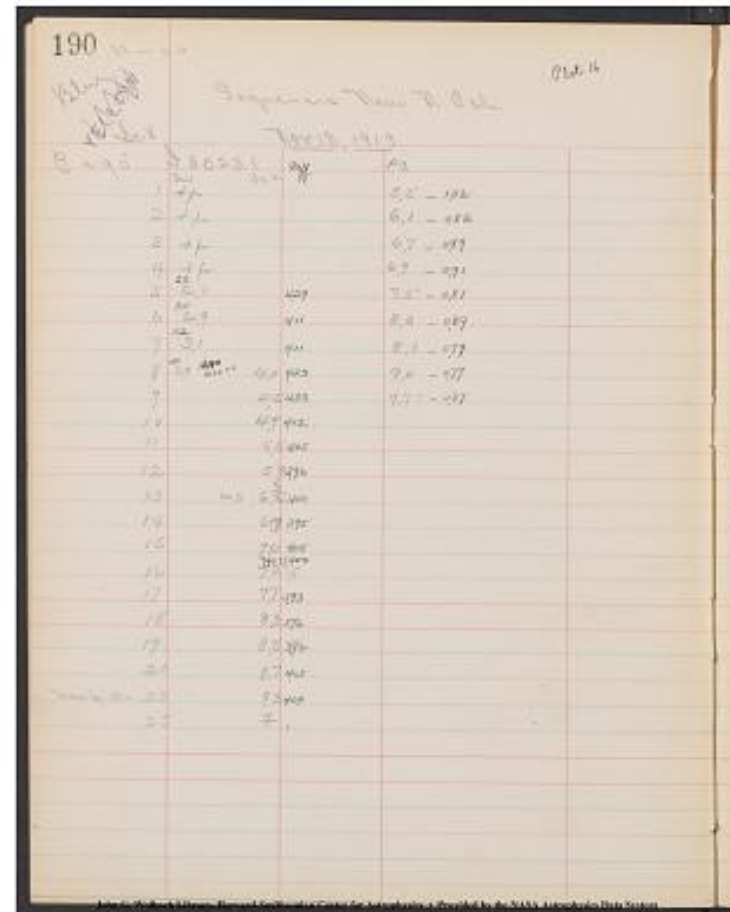
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190 11-00  
 Plate 16  
 blue ~~[[strikethrough]]~~ ~~[[stamp]]~~ YELLOW  
 Sequences Near N Pole  
 Sc V Nov 18, 1919  
 P+90°135231|Diff|PC  
 [[5 column table]]

	sc 1	Sc 2	Diff	PC
1 tp		5.5-1.02		
2 tp		6.1-0.82		
3 tp		6.7-0.89		
4 tp		6.9-0.91		
5 2.2 2.1		4.29 7.5-0.81		
6 3.0 2.9		4.11 8.0-0.79		
7 3.2 3.1		4.11 8.1-0.79		
8 4.0 3.9		<del>4.90</del>  4.0 4.23 9.0-0.77		
9	4.5 4.33 9.7?-087			
10	4.9 4.12			
11	5.5 4.05			
12	5.9 3.96			
13	w.s 6. <del>[[strikethrough]]</del> 5 <del>[[strikethrough]]</del> 3 4.00			
14	6.7 3.95			
15	7.0 4.08			
16	7.3^[[7.4 0 1]] 7.5^[[4.00			
17	7.7 3.93			
18	8.3 3.76			
19	8.5 3.92			
20	8.7 4.03			
near br. st 23	9.3 4.04			
25	F			

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 #62  
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191  
 Blue  
~~Sequences Near N Pole~~  
 Sc V Nov 18, 1919  
 I135231 Copied Bk 53:~~85~~172  
 [5 columned table]  
 Seq Beta +87° | Sc 1 | Sc 2 | curve | magn  
 ---|---|---|---|

Beta Not B | 4.3<sup>^</sup>[4.20  
 1[4.17]8.37]  
 b | 4.5|4.14|8.64|  
 c | 5.1<sup>^</sup>[5.20 1[5.3]4.07|9.27|  
 [Region poor |  
 d | 5.8|4.04|9.84|  
 e | 6.4|4.01|10.41|  
 f | 6.7|3.99|10.69|  
 g | 6.9|3.98|10.88|  
 h | nearby sup. |  
 k | 7.8?|3.95|11.75?|  
 k | 8.0|3.95|11.95|  
 l | 8.7|3.98|12.68|  
 m | 8.9|3.99|12.89|  
 n | F |

Seq Beta +86° Copied Bk 53:~~85~~172  
 a | 4.0|4.13|8.13|  
 b | 4.5|4.12|8.62|  
 c | 5.1|4.11|9.21|  
 d | 5.7|4.11|9.81|  
 e | 6.2|4.12|10.32|  
 f | 6.5|4.13|10.63|  
 g | 6.5|4.13|10.63|  
 h | 6.9|4.14|11.04|  
 k | 7.7|4.14|11.84|  
 k | 7.5|4.14|11.64|  
 l | 8.5|4.11|12.61|  
 m | 8.7|4.09|12.79|  
 n | 9.0|4.07|13.07|

[5 columned table]  
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 Data System [dot] Provided by the NASA Astrophysics Data System

191

Blue  
 Nov 18, 1919  
 Sc V  
 I135231 Copied Bk 53:~~85~~172

Seq	Beta	Sc 1	Sc 2	curve	magn
a	4.0	4.13	8.13		
b	4.5	4.12	8.62		
c	5.1	4.11	9.21		
d	5.7	4.11	9.81		
e	6.2	4.12	10.32		
f	6.5	4.13	10.63		
g	6.5	4.13	10.63		
h	6.9	4.14	11.04		
k	7.7	4.14	11.84		
k	7.5	4.14	11.64		
l	8.5	4.11	12.61		
m	8.7	4.09	12.79		
n	9.0	4.07	13.07		

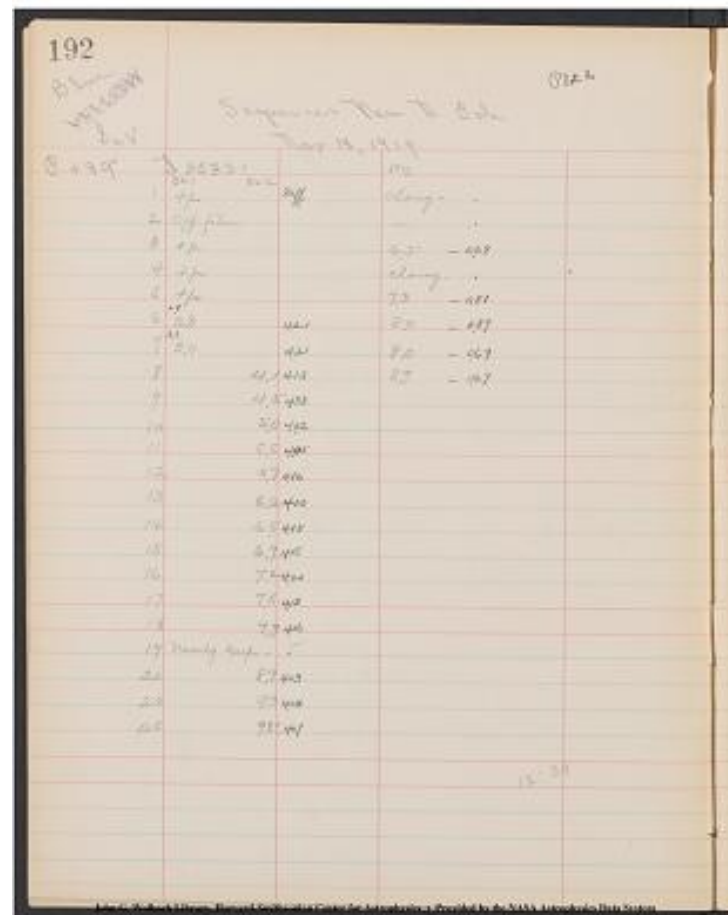
Seq Beta +86° Copied Bk 53:~~85~~172

Seq	Beta	Sc 1	Sc 2	curve	magn
a	4.0	4.13	8.13		
b	4.5	4.12	8.62		
c	5.1	4.11	9.21		
d	5.7	4.11	9.81		
e	6.2	4.12	10.32		
f	6.5	4.13	10.63		
g	6.5	4.13	10.63		
h	6.9	4.14	11.04		
k	7.7	4.14	11.84		
k	7.5	4.14	11.64		
l	8.5	4.11	12.61		
m	8.7	4.09	12.79		
n	9.0	4.07	13.07		

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates  
 #62  
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192  
Blue ~~[[strikethrough]]~~ ~~[[stamp]]~~ YELLOW  
Sequences Near N Pole Plot 16  
Sc V Nov 18, 1919  
p+89° -l35231 pc  
[[6 columned table]]  
| sc1|sc2|Diff| Pc | |  
|---|---|---|---|  
1|+p| | |elong-| . |  
2|off film| | | |  
3|+p| | |6.5|-0.69|  
4|+p| | |elong|. |  
5|+p| | |7.3|-0.81|  
6|2.9 2.8| |4.21|8.0|-0.89|  
7|3.1 3.0| |4.21|8.0|-0.69|  
8|4.1|4.13|8.9|-0.67|  
9|4.5|4.33| | |  
10|5.0|4.02| | |  
11|5.5|4.05| | |  
12|5.7|4.16| | |  
13|6.2|4.10| | |  
14|6.5|4.15| | |  
15|6.9|4.18| | |  
16|7.2|4.20| | |  
17|7.5|4.13| | |  
18|7.9|4.16| | |  
19|nearly suprl.| | |  
20|8.7|4.03| | |  
23|9.3|4.04| | |  
25|9.8?|4.01| | |  
[[/6 columned table]]  
[[right margin]]12:30[[/right margin]]

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					193
					Plot 17.
					Sequences Neon N Pole
					Nov 19, 1919
9i + 0	L 35232	Pole	IPC		
P + 90	se1	se2	5.4	0.92	
1 th		Diff	6.7	0.89	
3 th			7.0	1.01	
4 th			7.5	1.01	
5 2.6 2.5		3.89	8.0	0.89	
6 3.0 2.9		4.11	8.2	0.99	
7 3.2 3.1		4.11	9.5	0.97	
8 4.1 4.0 4.10 00 4.1 4.13					
9		4.9 3.93			
10		5.1 3.92			
11		5.5 4.05			
12		5.8 4.[-5]-06			
13		6.3 4.00			
14		6.7 3.95			
15		7.0 4.08			
16		7.3 4.10			
17		7.5 4.13			
18		8.0 4.06			
19		8.2 4.22			
20		8.5 4.23			
23		9.2 4.14			
25		9.8 4.07			

					193
					Plot 17
					Sequences Neon N Pole
					Nov 19, 1919
9i + 0	L 35232	Pole	IPC		
P + 90	se1	se2	5.4	0.92	
1 th		Diff	6.7	0.89	
3 th			7.0	1.01	
4 th			7.5	1.01	
5 2.6 2.5		3.89	8.0	0.89	
6 3.0 2.9		4.11	8.2	0.99	
7 3.2 3.1		4.11	9.5	0.97	
8 4.1 4.0 4.10 00 4.1 4.13					
9		4.9 3.93			
10		5.1 3.92			
11		5.5 4.05			
12		5.8 4.[-5]-06			
13		6.3 4.00			
14		6.7 3.95			
15		7.0 4.08			
16		7.3 4.10			
17		7.5 4.13			
18		8.0 4.06			
19		8.2 4.22			
20		8.5 4.23			
23		9.2 4.14			
25		9.8 4.07			

Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62  
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194 |

Sequences Neon N Pole

Sev | Nov 19, 1919

L 35232 |

Seq R+88\* | se1 | se2 | Cu | Magu | Copied\_53:144

a	5.5 4.00	9.50
b	5.9 4.01	9.91
c	6.3 4.02	10.32
d	6.7 4.08	10.75
e	7.1 4.08	11.18
f	7.3 4.10	11.40
g	7.5 4.12	11.62
h	7.9 4.15	12.05
k	8.2 4.15	12.35
l	8.7 4.15	12.85
m	8.9 4.15	13.05
n	9.3 4.13	13.43
811	6.5 5.03	10.53

Seq R+87\* | | | Copied 53:144

a	5.7 4.04	9.74
b	5.9 4.04	9.94
c	6.4 4.02	10.42
Images d	6.7 4.02	10.72
poor e	7.1 4.04	11.14
f	7.3 4.05	11.35
g	7.7 4.08	11.78
h	7.9 4.10	12.00
k	8.1 4.12	12.22
l	8.5 4.20	12.70
nearly m	8.8 4.26	13.06
sup? n	9.1 4.31	13.41
811	6.5 4.02	10.52

194

Sequences Neon N Pole

Sev | Nov 19, 1919

L 35232 |

Seq R+88\* | se1 | se2 | Cu | Magu | Copied\_53:144

a	5.5 4.00	9.50
b	5.9 4.01	9.91
c	6.3 4.02	10.32
d	6.7 4.08	10.75
e	7.1 4.08	11.18
f	7.3 4.10	11.40
g	7.5 4.12	11.62
h	7.9 4.15	12.05
k	8.2 4.15	12.35
l	8.7 4.15	12.85
m	8.9 4.15	13.05
n	9.3 4.13	13.43
811	6.5 5.03	10.53

Seq R+87\* | | | Copied 53:144

a	5.7 4.04	9.74
b	5.9 4.04	9.94
c	6.4 4.02	10.42
Images d	6.7 4.02	10.72
poor e	7.1 4.04	11.14
f	7.3 4.05	11.35
g	7.7 4.08	11.78
h	7.9 4.10	12.00
k	8.1 4.12	12.22
l	8.5 4.20	12.70
nearly m	8.8 4.26	13.06
sup? n	9.1 4.31	13.41
811	6.5 4.02	10.52

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			195
	Sequences Neon N Pole		
Sev	L 3523	Clopied	Nov 19, 1919
Seq Y{(gamma)}	se1	se2 Cu	Magu
+87*	a	4.1 4.04	8.14
	b	5.4 4.01	9.41
	c	6.1 4.01	10.11
	e	6.5 4.04	10.54
		700 4.07	11.07
Images	f	7.1 6.9	
slightly	g	7.1 4.08	11.18
elong.	h	7.3 4.10	11.40
	k	7.5 4.12	11.62
	l	7.7	
	w.s 8.1{crossed}	4.14	11.84
	m	7.9 4.15	12.05
	n	8.0 4.16	12.16
	o	8.2 4.16	12.36
	p	8.7 4.15	12.85
	q	9.0 4.15	13.15
	b'	5.9 4.01	9.91

			195
	Sequences Neon N Pole		
Sev	L 3523	Clopied	Nov 19, 1919
Seq Y{(gamma)}	se1	se2 Cu	Magu
+87*	a	4.1 4.04	8.14
	b	5.4 4.01	9.41
	c	6.1 4.01	10.11
	e	6.5 4.04	10.54
		700 4.07	11.07
Images	f	7.1 6.9	
slightly	g	7.1 4.08	11.18
elong.	h	7.3 4.10	11.40
	k	7.5 4.12	11.62
	l	7.7	
	w.s 8.1{crossed}	4.14	11.84
	m	7.9 4.15	12.05
	n	8.0 4.16	12.16
	o	8.2 4.16	12.36
	p	8.7 4.15	12.85
	q	9.0 4.15	13.15
	b'	5.9 4.01	9.91

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196				
		Sequences Neon N Pole		
Sev		Nov 19, 1919		
	L 35232	Copied 53:176		
Seq Y+ 86*	se1	se2	Cu	Magu
a	4.3	4.12	8.42	
b	5.7	4.04	9.74	
b	6.1	4.03	10.13	
c	6.4	4.02	10.42	
e	6.8	4.02	10.82	
f	7.2	4.04	11.24	
g	7.5	4.06	11.56	
h	7.5	4.06	11.56	
k	7.7	4.08	11.78	
l	8.1	4.12	12.22	
m	7.9	4.09	11.99	
n	8.1	4.12	12.22	
o	8.1 sup{crossed}	4.12	12.22	
p	8.9	4.28	13.18	
q	9.1	4.32	13.42	
n				

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## Scv | Sequences Near N Pole

Nov 19, 1919

L 35232

P + 89 degree | S01 | So2 | Diff | PC

1	+	[[?]]			5.3 - 0.82
2	+	[[?]]			6.1 - 0.82
3	+	[[?]]			6.8 - 0.99
4	+	[[?]]			6.9 - 0.91
5	+	[[?]]			7.5 - 1.01
6	3.1	3.0	4.01		7.9 - 0.79
7	3.1	3.0	4.21		8.0 - 0.69
8	40	3.9	40501	4.1	4.18   9.0 - 0.77
9		4.6	4.23		9.7 - 0.87
10		5.0	4.02		
11		5.5	4.05		
12		5.8	4.06		
13		6.3	4.00		
14		6.7	3.95		
15		6.95	6.9	4.13	7.0
16		7.3	4.10		
17		7.5	4.13		
18		8.1	3.96		
19	Nearly suf	[[?]]			
20		8.5	4.23		
23		9.0	4.34		
25		9.5	4.37		
26		9.8?	4.53		11:45

197

Sequences Near N Pole

Nov 19, 1919

L 35232

P + 89 degree | S01 | So2 | Diff | PC

1	+	[[?]]			5.3 - 0.82
2	+	[[?]]			6.1 - 0.82
3	+	[[?]]			6.8 - 0.99
4	+	[[?]]			6.9 - 0.91
5	+	[[?]]			7.5 - 1.01
6	3.1	3.0	4.01		7.9 - 0.79
7	3.1	3.0	4.21		8.0 - 0.69
8	40	3.9	40501	4.1	4.18   9.0 - 0.77
9		4.6	4.23		9.7 - 0.87
10		5.0	4.02		
11		5.5	4.05		
12		5.8	4.06		
13		6.3	4.00		
14		6.7	3.95		
15		6.95	6.9	4.13	7.0
16		7.3	4.10		
17		7.5	4.13		
18		8.1	3.96		
19	Nearly suf	[[?]]			
20		8.5	4.23		
23		9.0	4.34		
25		9.5	4.37		
26		9.8?	4.53		11:45

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198					
9-50		Sequences Neon N Pole	Plot 17		
Sev		L 35319	Pole	PC	
P + 90*		se1	se2		-0.82
1 th			Cu	Magu	5.3 elong
2 th					6.3 - 1.02
3 th					6.7 - 0.~9 89
4 th					7.0 - 1.01
5 2.1 2.0		4.39			7.5 - 1.01
6 2.6 2.5		4.41			8.0 - 0.89
7 2.8 2.7		4.51			8.2 - 0.89
8		3.5 4.73			9.0 - 0.77
9		4.1 4.73			9.8 - 0.97
10		4.5 4.52			
11		5.3 4.25			
12		5.7 4.16			
13		6.1 4.20			
14		6.5 4.15			
15		7.9 4.18			
16		7.5 3.90			
17		7.7 3.93			
18		8.3 3.76			
19		8.5 3.92			
20		8.8 3.93			
23		9.5 3.84			
25		9.9 3.97			

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			199
			Sequences Neon N Pole
Sev			Nov 21, 1919
	L 35319	P90*	
Seq U + 88*	se1	se2	Cu
a	5.8 4.23	10.03	
b	6.5 4.12	10.62	
c	6.3 4.15	10.45	
d	6.7 4.08	10.78	
e	7.2 4.00	11.20	
f	7.5 3.94	11.44	
g	7.9 3.89	11.79	
h	8.4 3.8{-7-}	12{-9-7-}	27
k	8.5 3.84	12.34	
	8.90 3.85		
l	9.0 8.8	12.75	
m	9.2 3.87	13.07	
n	9.7 3.90	13.60	
958	6.3 4.15	10.45	
966	5.1 4.38	9.48	
97.7	3.8 4.70	8.50	
10{-4-}6	4.3 4.61	8.91	
2057	5.1 4.38	9.48	

			199
			Sequences Neon N Pole
			Nov 21, 1919
	L 35319	P90*	
Seq U + 88*	se1	se2	Cu
a	5.8 4.23	10.03	
b	6.5 4.12	10.62	
c	6.3 4.15	10.45	
d	6.7 4.08	10.78	
e	7.2 4.00	11.20	
f	7.5 3.94	11.44	
g	7.9 3.89	11.79	
h	8.4 3.8{-7-}	12{-9-7-}	27
k	8.5 3.84	12.34	
	8.90 3.85		
l	9.0 8.8	12.75	
m	9.2 3.87	13.07	
n	9.7 3.90	13.60	
958	6.3 4.15	10.45	
966	5.1 4.38	9.48	
97.7	3.8 4.70	8.50	
10{-4-}6	4.3 4.61	8.91	
2057	5.1 4.38	9.48	

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200 |

Sequences Neon N Pole

Sev | Nov 21, 1919

| L 35219 | |

Seq U + 87\* | se1 | se2 | Cu | 156

a | 5.7 | 4.24 | 9.94

b | 6.60 6.7 | 6.5 | 4.10 | 10.70

c | 6.60 6.5 | 6.7 | 4.10 | 10.70

d | 6.7 {-Ser-} | 4.08 | 10.78

e | 7.3 | 3.98 | 11.28

f | 7.60 7.7 | 3.93 | 11.53

g | 8.0 | 3.87 | 11.87

h | 8.50 8.3 | 8.7 | 3.85 | 12.35

k | 8.5 | 3.84 | 12.34

l | 8.9 | 3.85 | 12.75

m | 9.3 | 3.87 | 13.17

n | 9.7 | 3.90 | 13.60

| Copied

Seq S + 87\* | | | Cu

a | 3.3q | | \*3.9 | 4.19 | 8.09

b | Reject 5.5q | 5.1 {-37-} | 4.38 | 9.48

c | measures 6.5q | 7.1 | 4.01 | 11.11

d | superposed 7.3q | 7.5 | 3.98 | 11.28

e | on wrong +p | 7.7 | 3.94 | 11.44

f | region 7.7 | 7.9 | 3.92 | 11.62

g | 8.5 | 8.4 | 3.88 | 11.78

| 3.84

h | 8.7 | 8.40 8.5 | 8.3 | 12.24

| 3.86

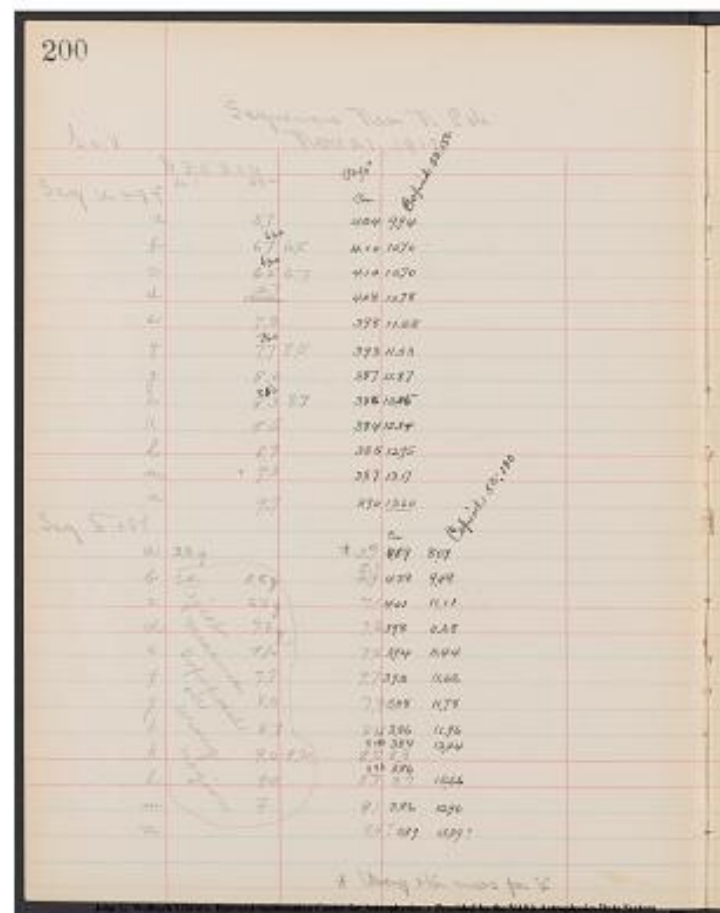
k | 9.0 | 8.80 8.7 | 8.9 | 12.66

l | 9.5 | 9.1 | 3.86 | 12.96

m | 7 | 9.5 | 3.89

n | | 13.39?

\*Wrong plot meas for "a"



Project PHaEDRA - Evelyn F. Leland - M Determinations - North Pole Plates #62  
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				201
				Sequences Neon N Pole
Sev				Nov_21,_1919
	L 35319			
				P89* Copied_53:_
Seq U + 86*	se1	se2	Cu 186	
a	5.9 {-q-}	4.21 10.11		
b	6.5 {-q-}	4.10 10.60		
c	6.5	4.10 10.60		
d	6.7	4.08 10.78		
e	7.3	4.04 11.34		
f	7.5	4.03 11.53		
g	8.0	4.02 12.02		
h	8.40 8.5 8.3	4.01 12.41		
k	8.50 8.3 8.7	4.01 12.51		
l	9.1 {-Sup-}	4.02 13.12		
m	9.40 9.5 9.3	4.03 13.43		
n	9.8	4.04 13.84		
Seq S + 86*	se2	Copied		
	53:180			
a	{-th-} 4.0	4.56 8.56		
b	{-th-} 5.2	4.33 9.53		
c	{-th-} 7.1	4.05 11.15		
d	{-th-} 7.3	4.04 11.34		
e	{-th-} 7.5	4.04 11.54		
f	{-7.9-} 7.8	4.03 11.83		
g	8.0	4.03 12.03		
h	8.2	4.02 12.22		
k	8.5	4.02 12.52		
l	9.0	4.02 13.02		
m	9.3	4.03 13.33		
n	9.7	,   ,		

				201
				Sequences Neon N Pole
				Nov_21,_1919
	L 35319			
				P89* Copied_53:_
Seq U + 86*	se1	se2	Cu 186	
a	5.9 {-q-}	4.21 10.11		
b	6.5 {-q-}	4.10 10.60		
c	6.5	4.10 10.60		
d	6.7	4.08 10.78		
e	7.3	4.04 11.34		
f	7.5	4.03 11.53		
g	8.0	4.02 12.02		
h	8.40 8.5 8.3	4.01 12.41		
k	8.50 8.3 8.7	4.01 12.51		
l	9.1 {-Sup-}	4.02 13.12		
m	9.40 9.5 9.3	4.03 13.43		
n	9.8	4.04 13.84		
Seq S + 86*	se2	Copied		
	53:180			
a	{-th-} 4.0	4.56 8.56		
b	{-th-} 5.2	4.33 9.53		
c	{-th-} 7.1	4.05 11.15		
d	{-th-} 7.3	4.04 11.34		
e	{-th-} 7.5	4.04 11.54		
f	{-7.9-} 7.8	4.03 11.83		
g	8.0	4.03 12.03		
h	8.2	4.02 12.22		
k	8.5	4.02 12.52		
l	9.0	4.02 13.02		
m	9.3	4.03 13.33		
n	9.7	,   ,		

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202  
Sequence Near N Pole  
Sc V Nov 21, 1919  
I 35319  
[[4 columns]]  
P +89[[degrees]] Sc1 Sc2 | PC 5.3 \_ 0.82|  
1|tp | |6.1 \_ 0.82|  
2|tp | | |  
3|tp | |6.7 \_ 0.89|  
4|tp | |6.9 \_ 0.91|  
5|~~tp~~ ^~~[[2.0]]~~1.9~~[[/del]]~~ |4.49|7.5 \_ 1.01|  
6|~~tp~~ ^~~[[2.8]]~~2.7~~[[/del]]~~ |4.31|7.9 \_ 0.79|  
7|~~tp~~ ^~~[[3.0]]~~2.9~~[[/del]]~~ |4.31|8.1 \_ 0.79|  
8|~~tp~~ ^~~[[3.5]]~~3.4 3.65 12~~[[/del]]~~ |3.8|4.58|9.0 \_  
0.77|  
9|~~tp~~ ~~[[/del]]~~ 4.2|4.63|9.7 \_ 0.87|  
10| 4.5|4.52| |  
11| 5.3|4.25| |  
12| 5.7|4.16| |  
13| 6.2|4.10| |  
14| 6.5|4.15| |  
15| 6.9|4.18| |  
16| 7.4|4.00| |  
17|~~no~~ ~~[[/del]]~~ 7.5|4.13| |  
18| 8.1|3.96| |  
19| 8.3|4.12| |  
20| 8.7|4.03| |  
23| 9.3|4.04| |  
25| -| | |  
[[right margin]]12\_ [[/right margin]]

202

Sequence Near N Pole

Sc1	Sc2	PC	Sc1	Sc2	PC
1	6.1	0.82			
2					
3	6.7	0.89			
4	6.9	0.91			
5	4.49	7.5	1.01		
6	4.31	7.9	0.79		
7	4.31	8.1	0.79		
8	3.8	4.58	9.0		
9	4.2	4.63	9.7		
10	4.5	4.52			
11	5.3	4.25			
12	5.7	4.16			
13	6.2	4.10			
14	6.5	4.15			
15	6.9	4.18			
16	7.4	4.00			
17	7.5	4.13			
18	8.1	3.96			
19	8.3	4.12			
20	8.7	4.03			
23	9.3	4.04			
25	-	-			

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YELLOW		203	
10:10	Sev	Sequences Near N Pole	
		Dec 5, 1919	
		MC 16078	Pole
	se1	se2	
5	2.4	2.3	
6	3.0	2.9	
7	3.3	3.2	
8	4.1	4.0 4.10 4.1	
9		5.2	
10		5.5	
		6.20	
11		6.3	
12		7.1	
13		7.7	
14		8.0	
15		8.5	
16		9.0	
17		9.3	
18		9.9	

YELLOW		203	
		Sequences Near N Pole	
		Dec 5, 1919	
		MC 16078	Pole
	se1	se2	
5	2.4	2.3	
6	3.0	2.9	
7	3.3	3.2	
8	4.1	4.0 4.10 4.1	
9		5.2	
10		5.5	
		6.20	
11		6.3	
12		7.1	
13		7.7	
14		8.0	
15		8.5	
16		9.0	
17		9.3	
18		9.9	

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 #62  
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YELLOW				205
Sequences Near N Pole				
Sev	Dec 5, 1919			
	MC 16082	cout		
Seq V	se1	se2		
a	5.5			
b	7.0			
c	5.60			
d	5.7	5.5		
e	8.0			
f	6.1			
g	9.0			
h	sup			
	9.8			
Seq W				
a	5.5			
b	5.1			
c	5.60			
d	5.9			
Close to another st.	d	Too near er.		
	e	7.0		
f	9.0			
g	9.8?			
h	9.7			
k	n.s			

YELLOW				205
Sequences Near N Pole				
Sev	Dec 5, 1919			
	MC 16082	cout		
Seq V	se1	se2		
a	5.5			
b	7.0			
c	5.60			
d	5.7	5.5		
e	8.0			
f	6.1			
g	9.0			
h	sup			
	9.8			
Seq W				
a	5.5			
b	5.1			
c	5.60			
d	5.9			
Close to another st.	d	Too near er.		
	e	7.0		
f	9.0			
g	9.8?			
h	9.7			
k	n.s			

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207

YELLOW

Sequences Near N Pole

Sev MC 16083 Dec 5, 1919

Seq S

	se1	se2	
a	3.9		
b	4.8		
c	8.3		
{T?}	d	8.8	
uncertain	e	9.8?	
f	9.1		
g	9.1		
h	9.3		

MC 16084 | Plate broken |

Seq\_U

a	6.35	
b	6.2	6.5
c	7.5	
d	6.5	
e	8.0	
f	8.5	
g	8.9	
h	9.8	
i	9.0	
k	n.s	

207

YELLOW

Sequences Near N Pole

Sev MC 16083 Dec 5, 1919

Seq S

	se1	se2	
a	3.9		
b	4.8		
c	8.3		
{T?}	d	8.8	
uncertain	e	9.8?	
f	9.1		
g	9.1		
h	9.3		

MC 16084 | Plate broken |

Seq\_U

a	6.35	
b	6.2	6.5
c	7.5	
d	6.5	
e	8.0	
f	8.5	
g	8.9	
h	9.8	
i	9.0	
k	n.s	

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208			
YELLOW			
	Sequences Near N Pole		
Sev	Dec 5, 1919		
	MC 16085	Pole	
	se1	se2	
	2.2		
5	2.1		
	2.8		
6	2.7		
	3.1		
7	3.0		
8		3.9	
9		5.1	
10		5.4	
11		6.1	
12		6.9	
13		7.5	
14		7.8	
15		8.3	
16		8.9	
17		9.3	
18		9.8	

208			
YELLOW			
	Sequences Near N Pole		
	Dec 5, 1919		
	MC 16085	Pole	
	se1	se2	
	2.2		
5	2.1		
	2.8		
6	2.7		
	3.1		
7	3.0		
8		3.9	
9		5.1	
10		5.4	
11		6.1	
12		6.9	
13		7.5	
14		7.8	
15		8.3	
16		8.9	
17		9.3	
18		9.8	

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 #62  
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[[stamp in blue]] YELLOW [[/stamp in blue]]

Sequences Near N Pole

ScV Dec 17, 1919

10 - MC 16078  
[[3 columned table]]  
Sc 1	Sc2

Seq K

a	6.3
b	6.8
c	7.3
d	7.9
e	8.1
f	7.0
g	8.5
h	8.9
k	ns

Seq H  
[[margin]] on edge of plate. on edge of film " [[margin]]

a	6.5
b	7.7
c	8.7?
d	+p
e	9.0
f	
g	

[[margin]] defective date uncertain

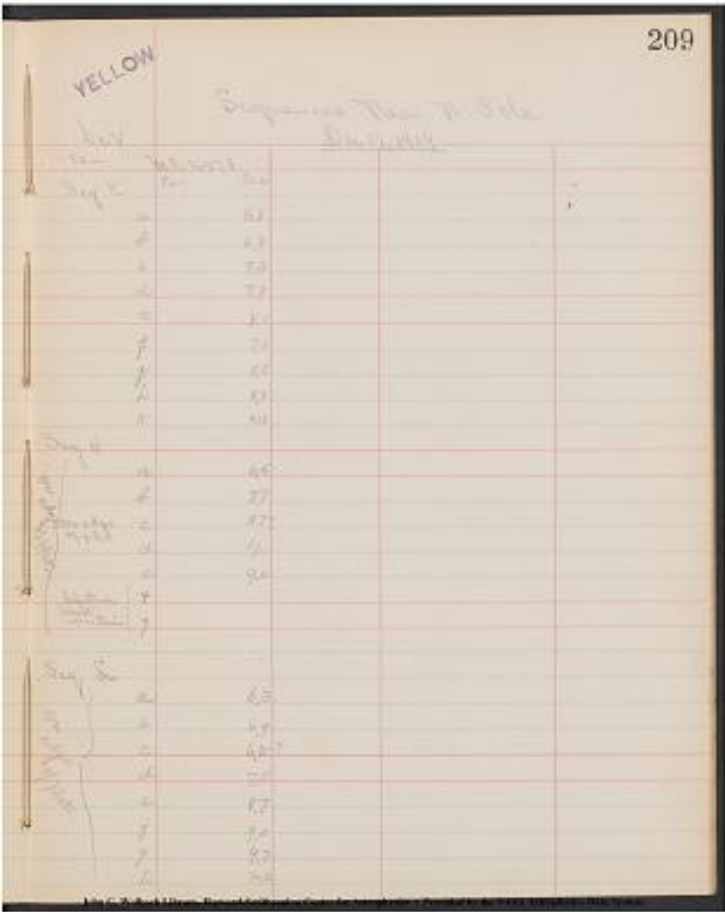
[[margin]]

f	
g	

Seq Zeta  
[[margin]] on edge of plate [[margin]]

a	6.3
b	6.9
c	6.5?
d	7.5
e	8.7
f	9.0
g	9.7
h	ns

[[/3 columned Table]]  
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210  
YELLOW

Sequences Near N Pole  
Dec 17, 1919

DcV

MC 16081 | Pole

5 | Sc1 ~~1.9S~~ 2.0 2.0 1.9

6 | 2.6 2.5

7 | Off pl.

8 | 3.6 3.5

9 | 4.3 4.2 4.30 4.3

10 | 4.7

11 | 5.7

12 | 6.2

13 | 6.9

14 | 7.40 7.5 | 7.3

15 | 8.0

16 | 8.7

17 | 9.1

18 | 9.7 | ? scr.

Seq K

a

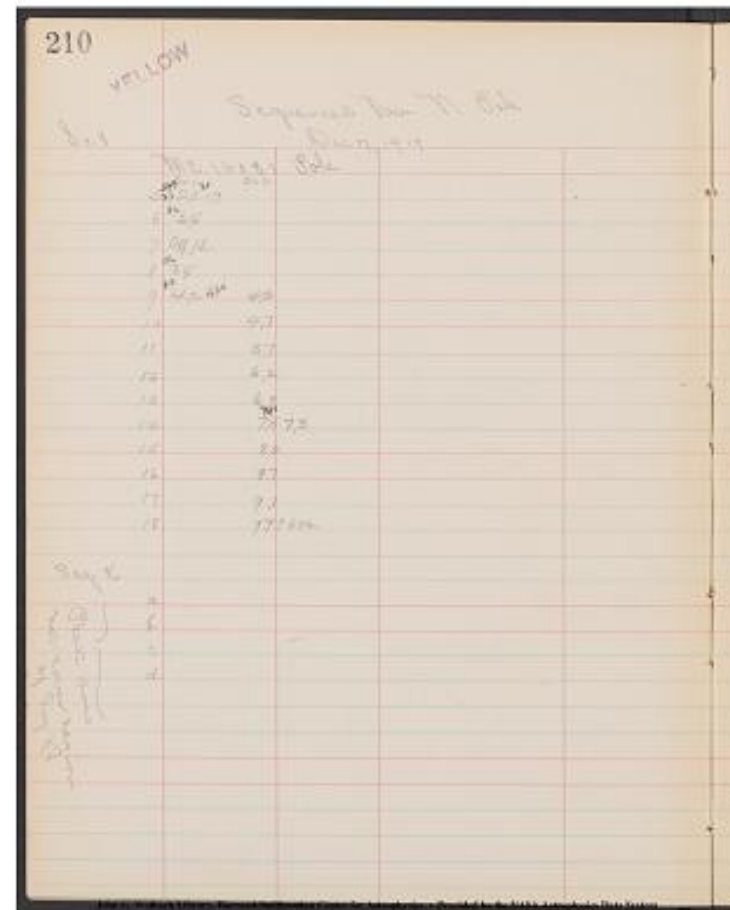
b

c

d

Plate does not cover region of Seq K

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211  
Yellow

Sequences Near N Pole.

SeV Dec 17, 1919

MC 16082 | Pole

Se1 Se2

5 | 1.9 1.8 |

6 | Off pl. |

7 | " " |

8 | [[cursive]3.5] 3.4 |

9 | [[cursive]4.2] 4.1 [[cursive] 425] 4.3 |

10 | 4.5 |

11 | 5.7 |

12 | 6.3 |

13 | 7.0 |

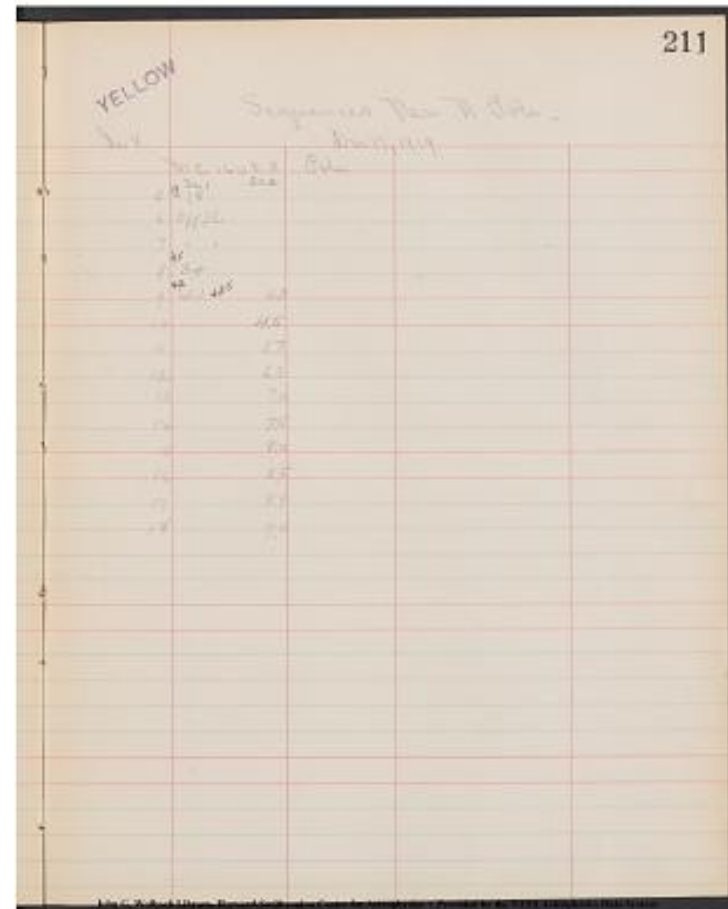
14 | 7.5 |

15 | 8.0 |

16 | 8.5 |

17 | 8.9 |

18 | 9.5 |



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#62  
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212  
 [[stamp]] YELLOW  
 Sequences Near N Pole  
 Dec 17, 1919

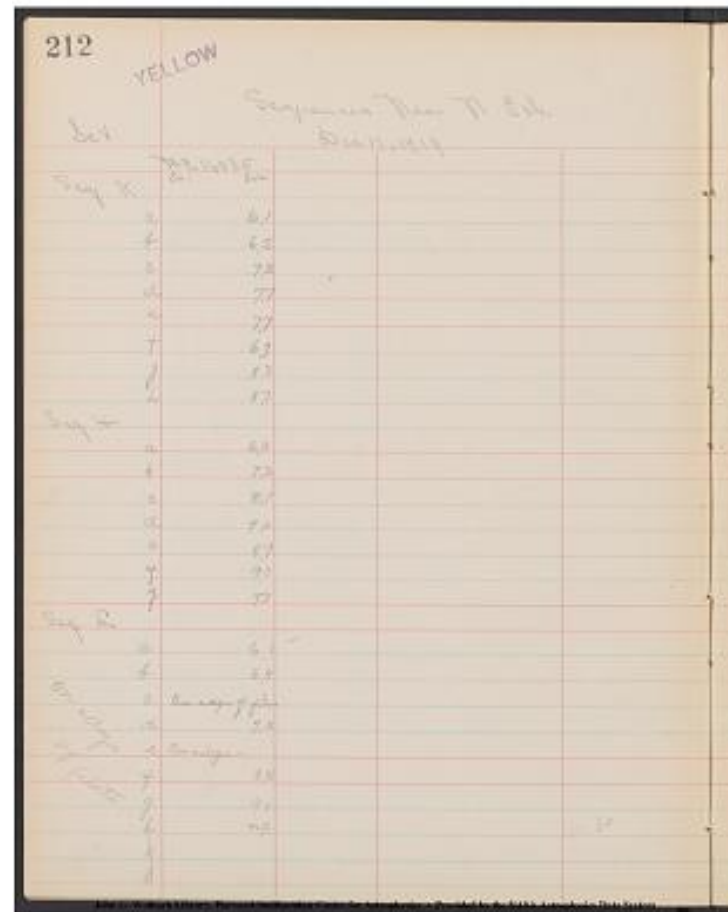
[[2-columned]]  
 MC 16085  
 Seq K | Se1 | Se2  
 a| 6.1 |  
 b| 6.5 |  
 c| 7.3 |  
 d| 7.7 |  
 e| 7.9 |  
 f| 6.9 |  
 g| 8.3 |  
 h| 8.7 |

Seq H  
 a|6.3|  
 b|7.3|  
 c|8.1|  
 d|9.0|  
 e|8.7|  
 f|9.3|  
 g|9.7|

Seq L

[[ ]] on edge of [?]

a|6.1|  
 b|6.9|  
 c|On edge of film|  
 d|7.5|  
 e|On edge .|  
 f|8.5|  
 g|9.0|  
 [[strike through]]h| n.s  
 [[strike through]]k|  
 [[strike through]]l|

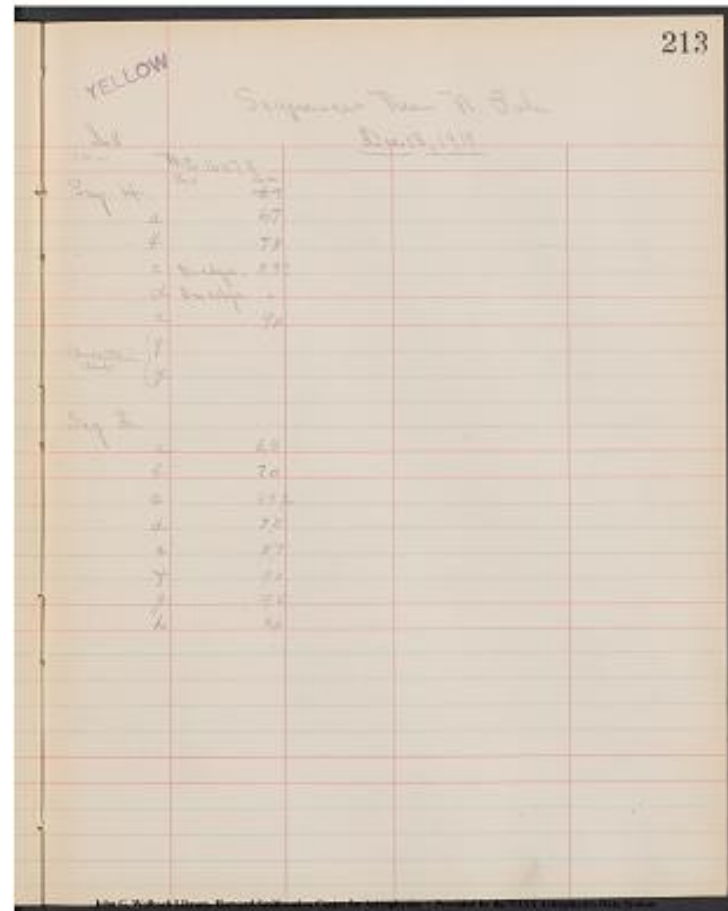


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 #62  
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213  
 [[stamp]] YELLOW [[/stamp]]  
 Sequences Near N. Pole  
 Sc V Dec 18, 1919

[[2-columned]]  
 MC 16078  
 Seq H | Sc1 Sc2 ~~6.7~~  
 a| 6.7|  
 b| 7.8|  
 c| on edge 8.9|?  
 d| on edge . |  
 e| 9.0 |  
 [[Uncertain ideal]] f|  
 g|

Seq L  
 a|6.3|  
 b|7.0|  
 c|6.7|  
 d|7.5|  
 e|8.7|  
 f|9.0|  
 g|9.5|  
 h|n.s|



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214

Sequences Near N Pole  
Dec 18, 1919

DcV

MC 16083 Pole  
[[3 columned table]]  
| Sc1 | Sc2 |

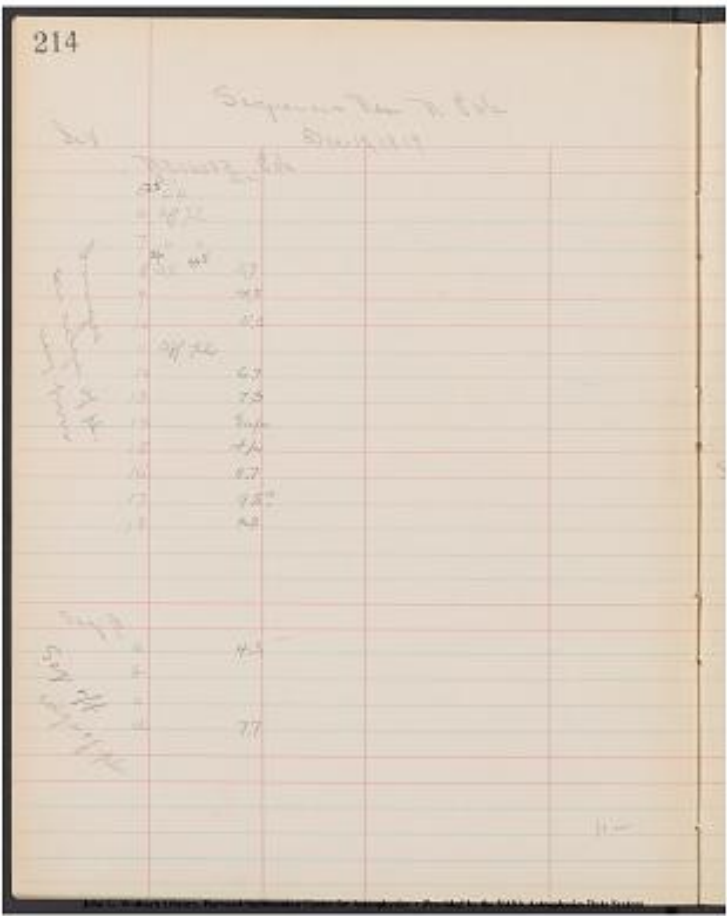
5	2.3	2.2	
6	Off pl		
7	Off pl		
8	3.6	3.5	3.65   3.7
9	4.5		
10	5.0		
11	Off pl		
12	6.7		
13	7.3		
14	Sup		
15	+p		
16	8.7		
17	9.5?		
18	n.s		

[[left margin]]Images on edge of pl. very poor[[/left margin]]

Seq B  
a	4.3
b	
c	
d	7.7
[[/3 columned table]]

[[left m argin]]Seq off edge of pl. [[/left margin]]

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Data System [[.dot]] Provided by the NASA Astrophysics Data System



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#62  
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215  
 2:40 Sequences near N Pole  
 Sc V May 5, 1920 Ser. 982. cont for B63:217  
 MC 16626  
 [5 columned table]  
 Seq B|Sc 1|Sc 2|Cu|mag|  
 |---|---|---|---|  
 f| 5.5|6.46|11.96|  
 g| 6.1|6.34|12.44|  
 h| 6.9|6.17|13.07|  
 [[left margin]] Copied 53:193 [[/left margin]]  
 k| 7.5|6.04|13.54|  
 l| 7.9|5.96|13.86|  
 m| 8.3|5.88|14.18|  
 m'| 8.5|5.84|14.34|  
 n| 9.1|5.72|14.82|  
 1178|3.2 3.1| 6.66|9.76|  
 1229|3.0 2.9| 6.65|9.55|  
 Seq N| | | | |  
 e| 6.1|6.34|12.44|  
 f| 6.5|6.24|12.74|  
 g| 6.8|6.20|13.00|  
 [[left margin]] Copied 53:203 [[/left margin]]  
 h| 7.5|6.04|13.54|  
 k| 7.9|5.96|13.86|  
 l| 8.15 8.2|5.90 8.1|14.05|  
 l'| 8.5|5.84|14.34|  
 m| 8.8|5.78|14.58|  
 n| 9.0|5.73|14.73|  
 o| 9.8|5.65|15.45|  
 568|2.9 2.8| 6.65|9.58|

215

2:40 Sequences near N Pole  
 Sc V May 5, 1920 Ser. 982. cont for B63:217  
 MC 16626

Seq B

	Sc	Mag
f	5.5	11.96
g	6.1	12.44
h	6.9	13.07
k	7.5	13.54
l	7.9	13.86
m	8.3	14.18
m'	8.5	14.34
n	9.1	14.82
1178	3.2 3.1	6.66 9.76
1229	3.0 2.9	6.65 9.55

Seq N

	Sc	Mag
e	6.1	12.44
f	6.5	12.74
g	6.8	13.00
h	7.5	13.54
k	7.9	13.86
l	8.15 8.2	5.90 8.1 14.05
l'	8.5	14.34
m	8.8	14.58
n	9.0	14.73
o	9.8	15.45
568	2.9 2.8	6.65 9.58

Copied 53:193

Copied 53:203

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217  
 2:40 Sequences near N Pole  
 Sc V May 5, 1920  
 MC 16632  
 [5 columned table]  
 Seq B|Sc 1|Sc 2|Cu|mo|gu|  
 |---|---|---|---|---|  
 f| 5.5|6.31|11.81|  
 g| 6.0|6.22|12.22|  
 h| 6.9|6.05|12.95|  
 [left margin] Copied 53:193 [left margin]  
 k| 7.4|5.94|13.34|  
 l| 7.9|5.87|13.77|  
 m| 8.3|5.81|14.11|  
 m'| 8.7|5.76|14.46|  
 n| 9.3|5.74|15.04|  
 1178|3.1 3.0| 6.50|9.60|  
 1229|3.0 2.9| 6.54|9.54|  
 Seq N| | | | |  
 e| 6.2|6.18|12.38|  
 f| 6.5|6.13|12.63|  
 g| 7.0|6.03|13.03|  
 [left margin] Copied 53:203 [left margin]  
 h| 7.5|5.93|13.43|  
 k| 7.9|5.87|13.77|  
 l| 8.1|5.84|13.94|  
 l'| 8.3|5.81|14.11|  
 m| 8.7|5.76|14.46|  
 n| 9.0|5.74|14.74|  
 o| 9.5|5.74|15.24|  
 568|3.0 2.9| 6.54|9.54|

217

Sequences Near N Pole  
 May 5, 1920

Seq B	Sc 1	Sc 2	Cu	mo	gu
f	5.5	6.31	11.81		
g	6.0	6.22	12.22		
h	6.9	6.05	12.95		
k	7.4	5.94	13.34		
l	7.9	5.87	13.77		
m	8.3	5.81	14.11		
m'	8.7	5.76	14.46		
n	9.3	5.74	15.04		
1178	3.1	3.0	6.50	9.60	
1229	3.0	2.9	6.54	9.54	
Seq N					
e	6.2	6.18	12.38		
f	6.5	6.13	12.63		
g	7.0	6.03	13.03		
h	7.5	5.93	13.43		
k	7.9	5.87	13.77		
l	8.1	5.84	13.94		
l'	8.3	5.81	14.11		
m	8.7	5.76	14.46		
n	9.0	5.74	14.74		
o	9.5	5.74	15.24		
568	3.0	2.9	6.54	9.54	

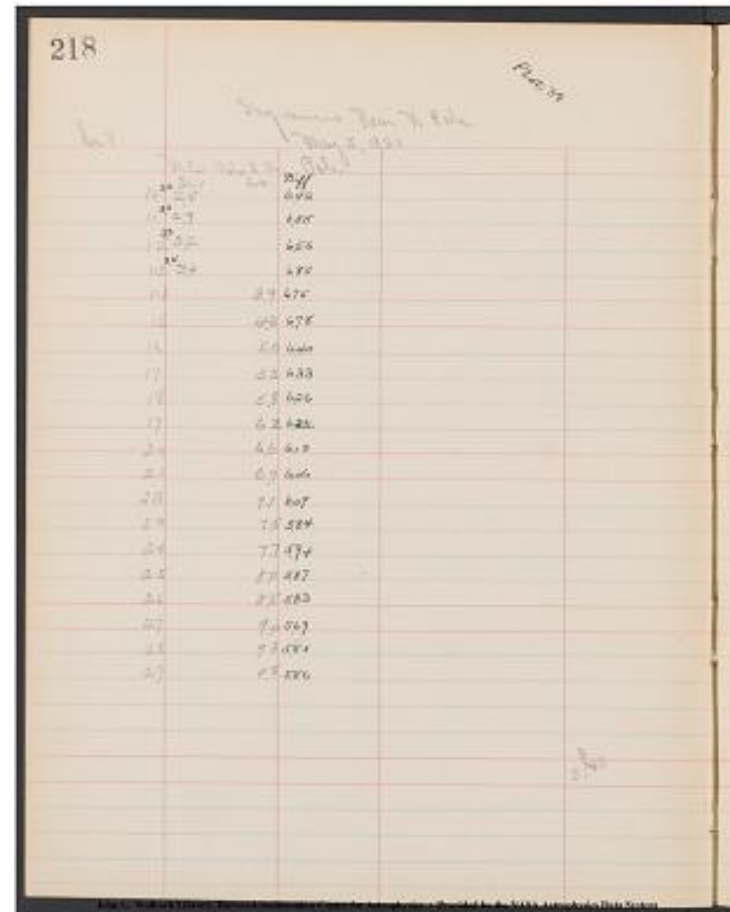
Copied 53:193  
 Copied 53:203

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Plot 38  
Sequences Near N Pole  
dev May 5, 1920  
MC 16632 Pole

	SC1	SC2	Diff
10	2.6	2.5	6.42
11	3.0	2.9	6.55
12	3.3	3.2	6.56
13	3.5	3.4	6.80
14		3.9	6.75
15		4.3	6.78
16		5.0	6.40
17		5.3	6.33
18		5.8	6.26
19		6.2	6.22
20		6.6	6.13
21		6.9	6.06
22		7.1	6.09
23		7.5	5.84
24		7.7	5.94
25		8.0	5.87
26		8.5	5.83
27		9.0	5.69
28		9.3	5.81
29		9.8	5.86



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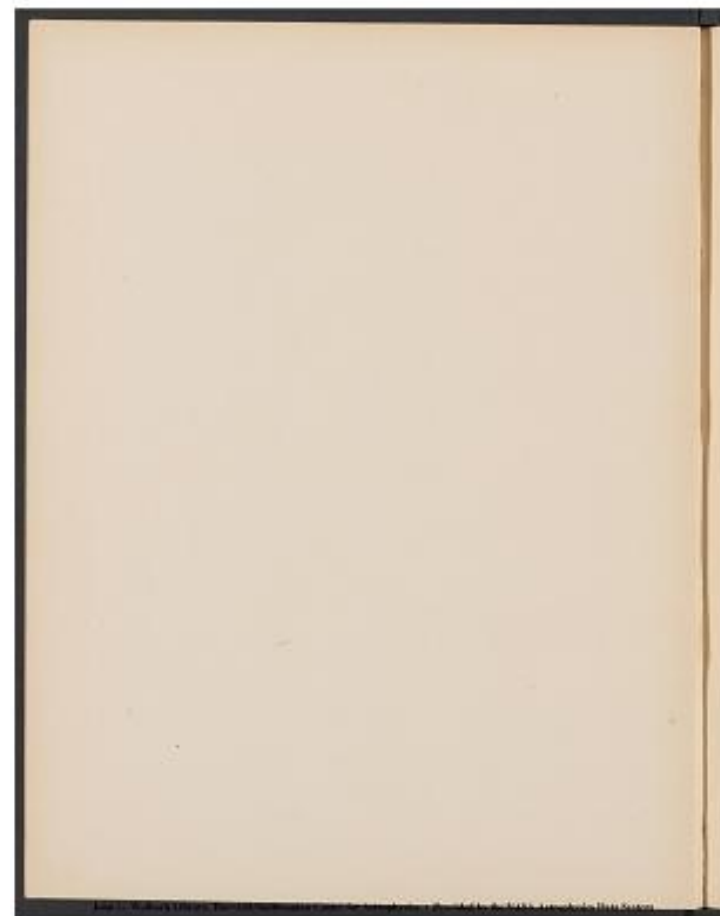

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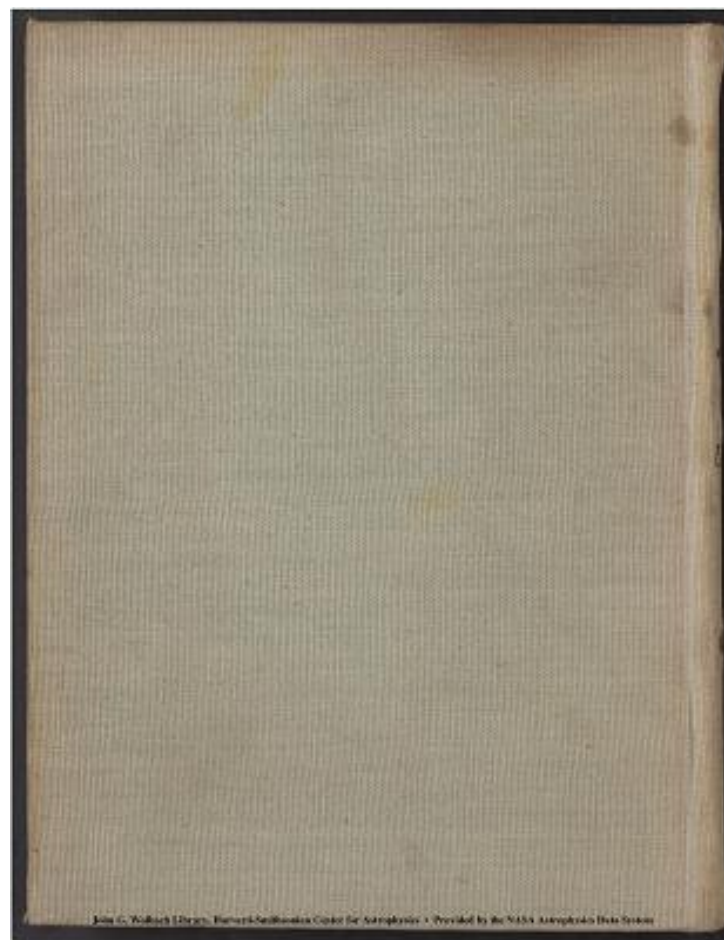
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