



Smithsonian Institution

Harvard-Smithsonian Center for Astrophysics

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3

Extracted on Dec-02-2022 11:19:31

The Smithsonian Institution thanks all digital volunteers that transcribed and reviewed this material. Your work enriches Smithsonian collections, making them available to anyone with an interest in using them.

The Smithsonian Institution (the "Smithsonian") provides the content on this website (transcription.si.edu), other Smithsonian websites, and third-party sites on which it maintains a presence ("SI Websites") in support of its mission for the "increase and diffusion of knowledge." The Smithsonian invites visitors to use its online content for personal, educational and other non-commercial purposes. By using this website, you accept and agree to abide by the [following terms](#).

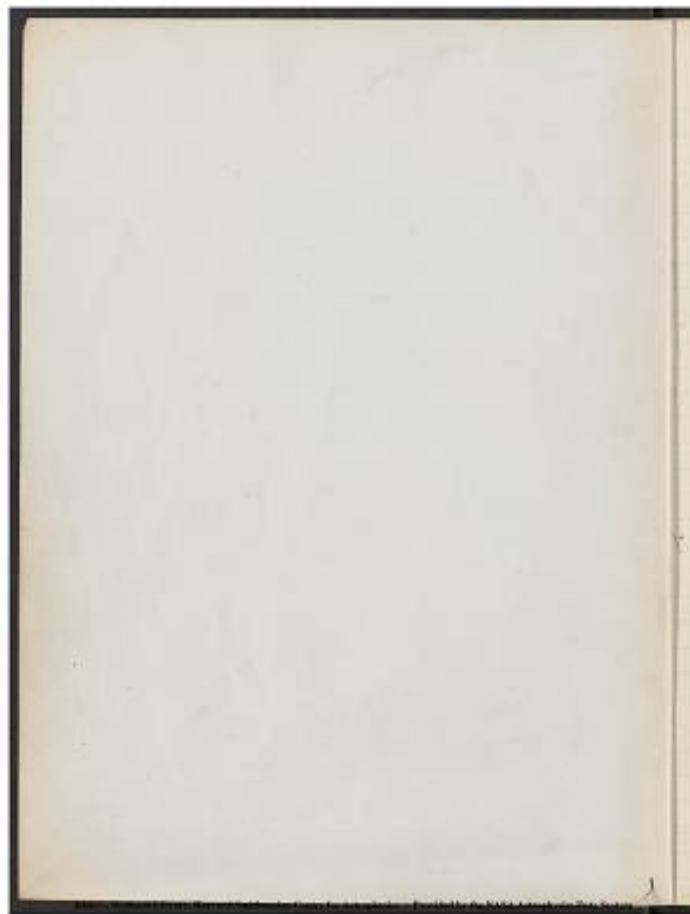
- If sharing the material in personal and educational contexts, please cite the Harvard-Smithsonian Center for Astrophysics as source of the content and the project title as provided at the top of the document. Include the accession number or collection name; when possible, link to the Harvard-Smithsonian Center for Astrophysics website.
- If you wish to use this material in a for-profit publication, exhibition, or online project, please contact Harvard-Smithsonian Center for Astrophysics or transcribe@si.edu

For more information on this project and related material, contact the Harvard-Smithsonian Center for Astrophysics. [See this project](#) and other collections in the Smithsonian Transcription Center.



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

[[Blank Page]]



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

1

Index

Letter|Plate|Page

E. 196|4 [[check]]

E. 284|12 [[check]]

E. 186|20 [[check]]

E. 173|26 [[check]]

E. 161|32 [[check]]

E. 258|34 [[check]]

E. 217|40 [[check]]

E. 275|44 [[check]]

E. 341|48 [[check]]

E. 165|50 [[check]]

E. 185|56 [[check]]

E. 166|58

E. 353|60 [[check]]

E. 167|62 [[check]]

E. 446|66 [[check]]

E. 458|70 [[check]]

E. 441|74 [[check]]

E. 495|80

E. 435|82

E. 508|88

E. 500|90

E. 509|92

E. 546|94

E. 536|96

E. 550|100

E. 555|100

E. 560|102

E. 587|106

E. 601|108

E. 617|110

E. 628|112

E. 682|116

E. 742|118

E. 693|120

E. 770|122 Not an E. plate.

E. 800|124

E. 696|126

E. 803|130

E. 720|134

E. 753|136

E. 774|142

E. 795|146

E. 787|150

E. 928|156

E. 834|168

E. 738|176

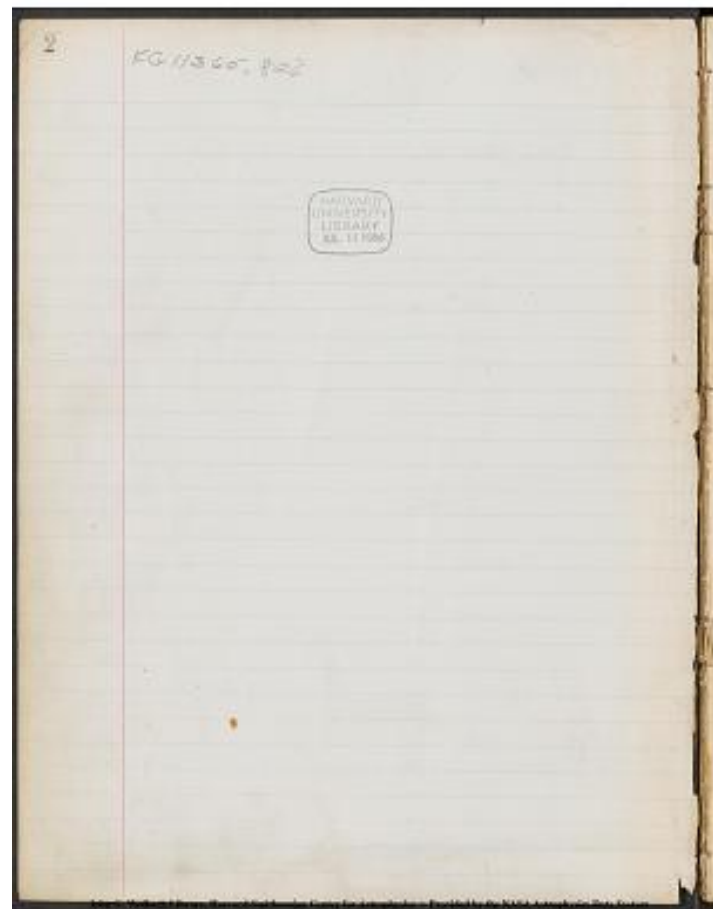
E. 770|188

Letter	Plate	Page	Letter	Plate	Page
E.	196	4	E.	401	100
"	284	12	"	417	100
"	186	20	"	435	102
"	173	26	"	452	106
"	161	32	"	470	108
"	258	34	"	490	110
"	217	40	"	500	112
"	275	44	"	509	116
"	341	48	"	546	118
"	165	50	"	536	120
"	185	56	"	550	122
"	166	58	"	555	124
"	353	60	"	560	126
"	167	62	"	587	130
"	446	66	"	601	134
"	458	70	"	617	136
"	441	74	"	628	142
"	495	80	"	682	146
"	435	82	"	742	150
"	508	88	"	693	156
"	500	90	"	770	168
"	509	92	"	800	176
"	546	94	"	696	188
"	536	96	"	803	
"	550	100	"	720	
"	555	100	"	753	
"	560	102	"	774	
"	587	106	"	795	
"	601	108	"	787	
"	617	110	"	928	
"	628	112	"	834	
"	682	116	"	738	
"	742	118	"	770	
"	693	120	"		
"	770	122	"		
"	800	124	"		
"	696	126	"		
"	803	130	"		
"	720	134	"		
"	753	136	"		
"	774	142	"		
"	795	146	"		
"	787	150	"		
"	928	156	"		
"	834	168	"		
"	738	176	"		
"	770	188	"		

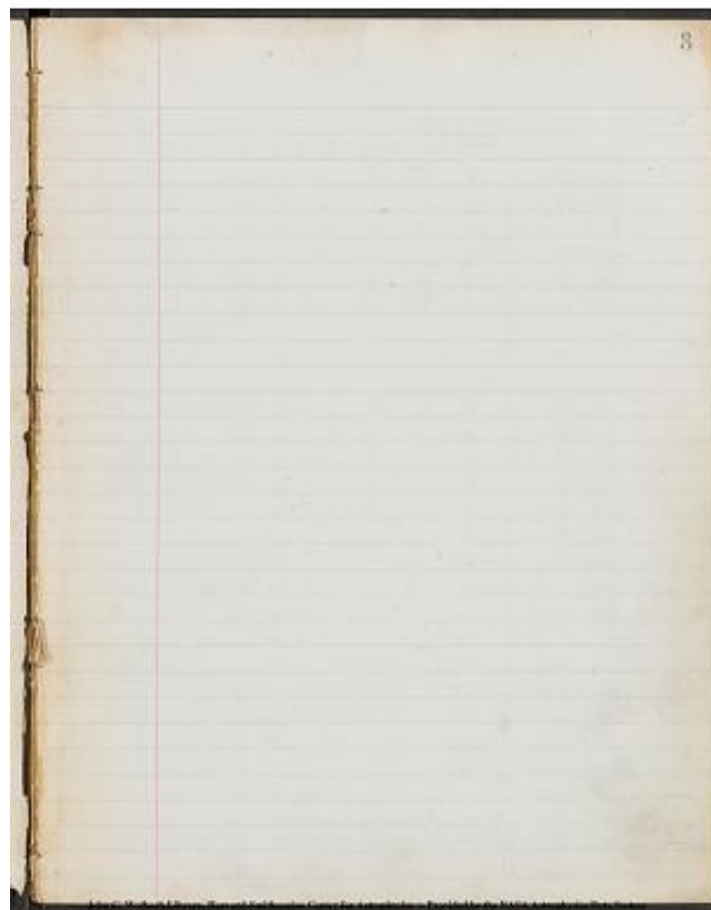
Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

2
KG11365.826

[[stamp]]
HARVARD
UNIVERSITY
LIBRARY
JUL 17 1956
[[/STAMP]]



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

~~?~~K=2H | 3 | F. | 9.3 | 45.2 |
 | 18.8 | 7.9 | I~~?~~ |
~~2~~3 | N | 1 | - | 9.4 | 15.8 |
18.1	8.1	I	~~3~~4	N	1	-	9.0	16.2
17.9	11.2	I	~~5~~6	N	2	-	9.0	22.4
18.3	17.4	I^d	~~4~~5	N	1	-	9.2	
34.8								
17.4	22.8							
~~?~~~~?~~~~?~~III								
~~3~~1	N	1	-	8.7	45.6			
17.1	19.3	~~?~~III	2	N	1	F.	8.6	
38.6								
17.0	18.4	I	4	N	1	-	8.5	36.8
17.0	19.7	~~?~~III						
~~3~~2								
~~N~~K=H	1	-	8.5	39.4				
16.5	21.3	I	~~5~~6	N	3	-	8.2	42.6
16.6	7.8							
~~?~~~~?~~~~?~~III								
~~2~~1	N	1	-	8.3	15.6			
16.2	7.7	I~~?~~	1	N	1	-	8.1	15.4

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 1.3

[[7 columned tables]]

[No.]R.A.]DEC.]MAG.]H.P. Mag.]]Br.]Corr. Br.]

23 58 +63.3|2|107|2359.0|+63 22|5.4|-.6.8|2x]] .|9 7.7

5.8|~~6.0 5.5~~

23 52 +72.9|1135|2354.3|+72 48|6.5|.6.8|2x]] 1.|3 8.8

6.9|~~7.1 6.2~~

23 41 +84.1|1861|2341.7|+64 4|6.5|.6.9 .|9 7.8 5.9|~~6.1 5.6~~

22 32 +72.9|1049|2232.2|+72 54|5.5|-.6.7 1.|3 8.0 6.1|~~6.3 5.4~~

23 9 +73.5|1023|239.5|+73 27|6.2|4112 5.6 23 +4|~~6.2 5.2~~

6|~~6.2 5.2~~

23 48 +73.6|1861|~~1063~~|2341.7

|~~2347.9~~|+64|~~7.3~~

36|6.5|~~7.0~~|-.7.3 1.|4 8.7 6.8|~~7.0 6.0~~

2350+54.8|3076|2349.9|+54 55|6.0|42325.5 21 +2|~~5.9 5.7~~

2351.9+54.9|3082|2351.7|+54 57|5.0|42375.0 16 3|~~6.3 5.8~~

x3|6.0 .|6 6.6 4.7|~~4.9 4.7~~

2325+64.9|1819|2325.7|+64 56|6.2|.7.1 .|9 8.0 6.1|~~6.3 5.8~~

2332+74.5|1032|2333.1|+74 28|6.5|.6.5 1.|4 7.9 6.0|~~6.2 5.2~~

2323+74.5|1022|2323.3|+74 26|7.0|.6.9 1.|4 8.3 6.4|~~6.6 5.6~~

2312+74.5|1016|2312.3|+74 31|6.6|.6.6 1.|4 8.0 6.1|~~6.3 5.3~~

2259+74.6|~~1002~~|23 3+74.6|1002|~~1006~~|236.8

|~~233.3~~|+74 48|~~74~~

36|7.3|~~4.6~~|-.6.5-6.7|1.4 7.9-8.1|6.2|~~6.4 6.0~~

|~~6.2 5.4 5.2~~

22 44 +65.4|1814|2244.5|+65 26|38|-.5.7-6.2|1.0 6.7-

7.2|5.3|~~5.5 4.8~~|~~5.0 4.9 4.4~~

23 55+65.3|1987|2355.2|+65 17|6.3|.6.8|0.9 7.7 5.8|~~6.0 6.0~~

|~~5.5~~

23 55+65.6|1985|2354.6|+65 38|6.9|.7.4|1.0 8.4 6.9|~~7.1 7.7~~

|~~6.1~~

23 40+85.9|1943|2339.4|+65 59|~~9~~|6.3|41996.0 14 -

5|~~3~~|~~5~~|6.4|1.0 7.4

5.5|~~5.7 5~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3

Transcribed and Reviewed by Digital Volunteers

Extracted Dec-02-2022 11:19:31

E.

Plate 196. May 21, 1886.

v | H | Type (No Remark) | No Lines | K | Focus | Other Lines | v | H
163 | 8.1 | II | 5(crossed out)^2 | K=H(crossed out)^K=1.2H | 2 | - | 8.0 |
16.2
16.4 | 8.7 | I | 4 | N | 1 | - | 8.2 | 17.4
16.5 | 16.2 | I | ?(crossed out) | 4 | N | 1 | - | 8.2 | 32.4
Recorded one P.H. (entire following line crossed out) 16.5 | 24.2 | I |
5(crossed out)^6 | N | 3 | - | 8.2 | 42.4
15.9 | 11.1 | I | 7(crossed out)^8 | N | 4 | - | 8.0 | 22.2
check mark, check mark 15.8 | 13.3 | I | 4 | N | 1 | - | 7.9 | 26.6
15.4 | 16.6 | III(crossed out)^II | 3(crossed out)^2 | K=H | 3 | - | 7.7 | 33.2
15.5 | 22.7 | I | 3(crossed out)^4 | N(crossed out)^K=H | 1 | - | 7.8 | 45.4 |
15.0 | 9.2 | I | 5(crossed out)^6 | N | 2 | - | 7.5 | 18.4
? | 14.5 | 13.4 | III^bc 3 | 13(crossed out)^2 | K=H(crossed out)^K=1.2H |
5 | seen.^Bright | 7.2 | 26.8 |
14.5 | 14.6 | I^b. 4 | 8 | N | 4 | - | 7.2 | 29.2
14.3 | 12.1 | ?(crossed out)^IIa 5 | 4(crossed out)^2 | K=H | 2 | -^seen. |
7.2 | 24.2
14.0 | 10.2 | III | 3(crossed out)^2 | K=H | 2 | - | 7.0 | 20.4
14.0 | 14.2 | I | 5(crossed out)^6 | N | 2 | - | 7.0 | 28.4
13.8 | 14.4 | I | 5 | N | 2 | - | 6.9 | 28.8
13.4 | 8.1 | I | 4(crossed out)^5 | N | 1 | - | 6.7 | 16.2
13.6 | 9.7 | ?(crossed out)^II | 3(crossed out)^2 | N(crossed out)^K=H | 1
| - | 6.8 | 19.4
13.3 | 15.8 | I | 3(crossed out)^4 | N | 1 | - | 6.6 | 31.6
13.9 | 21.4 | I | ?(crossed out) | 2(crossed out)^3 | N | 1 | - | 7.0 | 42.8
13.8 | 22.0 | ?(crossed out)^III | 3(crossed out)^1 | N | 2 | - | 6.9 | 44.0
13.0 | 19.8 | I | 5(crossed out)^6 | N? | 3 | - | 6.5 | 39.6
12.7 | 20.6 | I | 6(crossed out)^7 | N | 5 | - | 6.4 | 41.2
12.3 | 19.0 | I | 4 | N | 2 | - | 6.2 | 38.0
12.3 | 21.1 | I | 5(crossed out)^6 | N | 2 | - | 6.2 | 42.2
12.3 | 6.1 | I | 3 | N | 1 | - | 6.2 | 12.2
12.0 | 11.9 | I | 4(crossed out)^5 | N | 1 | - | 6.0 | 23.8
12.0 | 20.4 | I(crossed out)^IIa | 6 | 4(crossed out)^2 | N(crossed
out)^K=H | 2 | - seen | 6.0 | 40.8
12.0 | 21.5 | II? | 2 | N(crossed out)^K=H | 1 | - | 6.0 | 43.0
11.6 | 21.5 | I(crossed out)^II(crossed out) | 3 | N | 1 | - | 5.8 | 43.0

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 13

[[15 column table]]
 | | | No. | R.A. | Dec. | | Mag. | | | Br. | | | |
 |-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
 23 | 47 | +56.7 | 3111 | 23 | 47.2 | +56 | 41 | 5.0 | - | 6.3 | [[crossout]].7 |
 7.0 | [[strikethrough]]5.1[[/strikethrough]]5.3[[/crossout]] | 5.0 |
 0 | 10 | +75.5 | 7 | 0 | 10.2 | +75 | 28 | 7.4 | . | 7.0 | [[crossout]]1.5 | 8.5 |
 [[strikethrough]]6.6[[/strikethrough]]6.8[[/crossout]] | 5.7 |
 23 | 18 | +56.7 | 2999 | 23 | 17.6 | +56 | 44 | 7.0 | . | 7.2 | [[crossout]].7 |
 7.9 | [[strikethrough]]6.0[[/strikethrough]]6.2[[/crossout]] | 5.9 |
 [[strikethrough]]22 | 30 | +75.5 | 836 | 22 | 29.7 | +75 | 27 | 5.7 | 3996
 5.7 23 +4 +6 | 6.5 | [[crossout]]1.5 | 8.0 |
 [[strikethrough]]6.1[[/strikethrough]]6.3[[/crossout]] | [[/strikethrough]]
 23 | 41 | +67.0 | 1562 | 23 | 41.0 | +67 | 0 | 5.5 | 4204 5.1 17
 [[strikethrough]]-2[[/strikethrough]][[strikethrough]]0[[/strikethrough]]-2 |
 5.8 | [[crossout]]1.0 | 6.8 |
 [[strikethrough]]4.9[[/strikethrough]]5.1[[/crossout]] | 4.5 |
 23 | 30 | +67.1 | 1542 | 23 | 30.0 | +67 | 3 | 7.2 | . | 7.3 | [[crossout]]1.0 |
 8.3 | [[strikethrough]]6.4[[/strikethrough]]6.6[[/crossout]] | 6.0 |
 23 | 26 | +57.1 | 2758 | 23 | 26.0 | +57 | 6 | 8.0 | . | 7.5 7.3 |
 [[crossout]].7 | 8.2 | [[strikethrough]]6.3[[/strikethrough]]6.5[[/crossout]] |
 6.2 |
 23 | 13 | +67.3 | 1514 | 23 | 12.7 | +67 | 19 | 5.2 | - | 6.1 | [[crossout]]1.0
 7.1 | [[strikethrough]]5.2[[/strikethrough]]5.4[[/crossout]] | 4.8 |
 22 | 16 | +75.8 | 820 | 22 | 16.6 | +75 | 46 | 6.8 | - | 6.7 | [[crossout]]1.5 |
 8.2 | [[strikethrough]]6.3[[/strikethrough]]6.5[[/crossout]] | 5.4 |
 0 | 8 | +76.2 | 5 | 0 | 8.1 | +76 | 9 | 6.5 | 3562 19 +2 0 | 6.5 |
 [[crossout]]1.6 | 8.1 | [[strikethrough]]6.2[[/strikethrough]]6.4[[/crossout]] |
 5.2 |
 23 | 33 | +76.8 | 928 | 23 | 33.4 | +76 | 50 | 3.5 | - | 5.4-6.0 |
 [[crossout]]1.6 | 7.0-7.6 | [[strikethrough]]5.7[[/strikethrough]]5.9
 [[strikethrough]]5.1[[/strikethrough]]5.3[[/crossout]] | 4.1 4.7 |
 23 | 23 | +57.7 | 2748 | 23 | 23.4 | +57 | 46 | 5.7 | 4153 4.8 18
 [[strikethrough]]-1[[/strikethrough]][[strikethrough]]+1[[/strikethrough]]-1 |
 5.9 | [[crossout]].7 | 6.6 |
 [[strikethrough]]4.7[[/strikethrough]]4.9[[/crossout]] | 4.6 |
 23 | 45 | +76.8 | 934 | 23 | 45.0 | +76 | 48 | 6.9 | - | 6.7 | [[crossout]]1.6 |
 7.3 | [[strikethrough]]5.4[[/strikethrough]]5.6[[/crossout]] | 5.4 |
 23 | 40 | +57.8 | 2804 | 23 | 40.0 | +57 | 50 | 5.3 | - | 6.5-7.0 |
 [[crossout]].7 | 7.2 | 7.7 [[strikethrough]]5.8[[/strikethrough]]6.0
 [[strikethrough]]5.3[[/strikethrough]]5.5[[/crossout]] | 5.2 5.7 |
 23 | 26 | +77.0 | 909 | 23 | 26.2 | +77 | 0 | 6.8 | . | 7.0 | [[crossout]]1.6 |
 8.6 | [[strikethrough]]6.7[[/strikethrough]]6.9[[/crossout]] | 5.7 |
 23 | 25 | +77.1 | 908 | 23 | 25.2 | +77 | 5 | 7.0 | . | 7.3 | [[crossout]]1.6 |
 8.9 | [[strikethrough]]7.0[[/strikethrough]]7.2[[/crossout]] | 6.0 |
 23 | 57 | +68.1 | 1426 | 23 | 57.8 | +68 | 4 | 7.0 | . | 6.8 | [[crossout]]1.1 |
 7.9 | [[strikethrough]]6.0[[/strikethrough]]6.2[[/crossout]] | 5.5 |
 23 | 42 | +58.2 | 2653 | 23 | 42.1 | +58 | 10 | 6.8 | - | 6.8 | [[crossout]].7 |
 7.5 | [[strikethrough]]5.6[[/strikethrough]]5.8[[/crossout]] | 5.5 |
 23 | 12 | +77.4 | 896 | 23 | 11.9 | +77 | 22 | 7.3 | . | 7.3 | [[crossout]]1.7 |
 9.0 | [[strikethrough]]7.1[[/strikethrough]]7.3[[/crossout]] | 6.0 |
 23 | 23 | +76.7 | [[strikethrough]]1468[[/strikethrough]]859 |
 [[strikethrough]]22[[/strikethrough]]22 |
 [[strikethrough]]44.1[[/strikethrough]]23.4 |
 [[strikethrough]]+67[[/strikethrough]]+76 |
 [[strikethrough]]49[[/strikethrough]]42 |
 [[strikethrough]]6.5[[/strikethrough]]7.3 | . | 7.3 | [[crossout]]1.6 | 8.9 |

The image shows a handwritten astronomical data table on aged paper. The table is organized into columns with headers: 'No.', 'R.A.', 'Dec.', 'Mag.', and 'Br.'. The data is handwritten in ink, and several entries are crossed out with red ink. The paper is yellowed and shows some staining, particularly along the right edge. The table appears to be a transcription of astronomical observations, with various numerical values and some text annotations.

7.2~~[[/crossout]]~~ | 6.0 |
 | 23 | 44 | +67.8 | 1468 | 22 | 44.1 | +67 | 49 | 6.5 | - | 6.8-7.2 |
~~[[crossout]]~~1.1 | 7.9 | 8.3
~~[[strikethrough]]~~6.4~~[[/strikethrough]]~~6.6[^]~~[[strikethrough]]~~6.0~~[[/strikethrough]]~~
~~h]]~~6.2~~[[/crossout]]~~ | 5.5 5.9 |
 | 23 | 3.5 | +58.5 | 2552 | 23 | 3.6 | +58 | 34 | 6.1 | . | 6.5 | ~~[[crossout]]~~.7 |
 7.2 | ~~[[strikethrough]]~~5.3~~[[/strikethrough]]~~5.5~~[[/crossout]]~~ | 5.2 |
 | 23 | 0 | +58.6 | 2545 | 23 | 0.5 | +58 | 38 | 5.3 | 4086 5.0 14
~~[[strikethrough]]~~-5~~[[/strikethrough]]~~ ~~[[strikethrough]]~~-3~~[[/strikethrough]]~~5 |
 5.7 | ~~[[crossout]]~~.7 | 6.4 |
~~[[strikethrough]]~~4.5~~[[/strikethrough]]~~4.7~~[[/crossout]]~~ | 4.4 |
 | 22 | 41 | +77.7 | 871 | 22 | 41.5 | +77 | 44 | 7.2 | . | 7.0 | ~~[[crossout]]~~1.7 |
 8.7 | ~~[[strikethrough]]~~6.8~~[[/strikethrough]]~~7.0~~[[/crossout]]~~ | 5.7 |
~~[[strikethrough]]~~0 | 40 | +77.2 | 27 | 0 | 40.5 | +77 | 10 | 6.7 |
~~[[/strikethrough]]~~ | . | | | | |
 | 22 | 22 | +77.5 | 860 | 22 | 22.4 | +77 | 30 | 6.8 | . | 6.6 | ~~[[crossout]]~~1.7 |
 8.3 | ~~[[strikethrough]]~~6.4~~[[/strikethrough]]~~6.6~~[[/crossout]]~~ | 5.3 |
 | 0 | 40 | +77.2 | 27 | 0 | 40.5 | +77 | 10 | 6.7 | . | 7.0 | ~~[[crossout]]~~16 | 8.6 |
 6.9~~[[/crossout]]~~ | 5.7 |
 | 23 | 38 | +68.9 | 1393 | 23 | 38.2 | +68 | 56 | 6.8 | . | 7.0 | ~~[[crossout]]~~1.1
 8.1 | ~~[[strikethrough]]~~6.2~~[[/strikethrough]]~~6.4~~[[/crossout]]~~ | 5.7 |
 | 23 | 1.~~[[strikethrough]]~~8~~[[/strikethrough]]~~0 | +58.9 | 2546 | 23 | 1.1 | +58 |
 5.8 | 6.5 | - | 6.7 | ~~[[crossout]]~~.7 | 7.4 |
~~[[strikethrough]]~~5.5~~[[/strikethrough]]~~5.7~~[[/crossout]]~~ | 5.4 |
 | 22 | 56.9 | +58.8 | ~~[[strikethrough]]~~2629~~[[/strikethrough]]~~2533 |
~~[[strikethrough]]~~22~~[[/strikethrough]]~~22 |
~~[[strikethrough]]~~56.4~~[[/strikethrough]]~~56.7 |
~~[[strikethrough]]~~+59~~[[/strikethrough]]~~+58 |
~~[[strikethrough]]~~4~~[[/strikethrough]]~~51 |
~~[[strikethrough]]~~7.0~~[[/strikethrough]]~~7.5 | - | 7.4 | ~~[[crossout]]~~.7 | 8.1 |
~~[[strikethrough]]~~6.2~~[[/strikethrough]]~~6.4~~[[/crossout]]~~ | 6.1 |
 | 22 | 56.4 | +59.1 | 2629 | 22 | 56.4 | +59 | 4 | 7.0 | - | 7.4 | ~~[[crossout]]~~.7 |
 8.1 | ~~[[strikethrough]]~~6.2~~[[/strikethrough]]~~6.4~~[[/crossout]]~~ | 6.4 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 13

[[left margin]] | No. | R.A. | Dec. | MAG. | Br.

22 53 +59.0 | 2615 | 22| 53.2[[symbol]]+59[[symbol]]| 2 6.5 | 7.3
 [[crossout]] . 7 8.0 6.3 [[strikethrough]]6.1[[/strikethrough]] [[/crossout]] ,
 6.0 [[symbol-tick]]

23 42 +59.2 | 2777 | 23| 41.8 +59| 10 6.5 .| 6.5 [[crossout]] .7 7.2 5.5
 [[strikethrough]]5.3[[/strikethrough]] [[/crossout]] . 5.2 [[symbol-tick]]

23 26.5 +59.3 | 2745 | 23| 26.9 +59| 14 7.0 .| 7.6 [[crossout]] .7 8.3 6.6
 [[strikethrough]]6.4[[/strikethrough]] [[/crossout]] . 6.3 [[symbol-dot
 and tick]]

23 16 +59.3 | 2710 | 23| 16.1 +59| 20 6.0 | 7.2-7.6 [[crossout]] .7 7.9
 8.3} 6.2 [[strikethrough]]6.0[[/strikethrough]] 6.6
 [[strikethrough]]6.4[[/strikethrough]] [[/crossout]] 5.9 6.3 } [[symbol-dot
 and tick]]

22 28 +78.1 | 801 | 22 | 28.6[[symbol]] +78[[symbol]]| 4 5.7 | 6.2
 [[crossout]] 1.7 7.9 6.2 [[strikethrough]]6.0[[/strikethrough]] [[/crossout]]
 4.9 . [[symbol-dot and tick]]

22 25 +78.1 | 796 | 22 | 25.6[[symbol]] +78 [[symbol]]|1 6.0| 3986 5.8 23
 +4 [[strikethrough]]+6 [[/strikethrough]]
 [[strikethrough]]+4[[/strikethrough]]6.4[[crossout]]1.7 8.1
 6.4[[strikethrough]]6.2 [[/strikethrough]][[crossout]] 5.1. [[symbol-dot and
 tick]]

22 51 +59.2 | 2607 | 22| 51.0[[symbol]] +59[[symbol]]|11 7.3[[blank]]
 7.3[[crossout]]7.3 .7 8.0 6.3[[strikethrough]] 6.1
 [[/strikethrough]][[/crossout]]6.0[[symbol-dot and tick]]

23 14 +59.5|2701| 23| 14.0 +59| 29| 6.7. 7.3 [[crossout]].7 8.0 6.3
 [[strikethrough]] 6.1 [[/strikethrough]][[/crossout]]6.0[[symbol-dot and tick]]

23 50 +59.3| 2795 |23|50.3 +59 | 13 6.7. 6.7 [[crossout]] .7 7.4 5.7[[
 strikethrough]] 5.5 [[/strikethrough]][[/crossout]]5.4[[symbol-dot and tick]]

23 21 + 69.5|1332| 23| 21.1 + 69|34 6.2 _ 6.0[[crossout]]1.1 7.1
 5.4[[strikethrough]]5.2[[/strikethrough]][[/crossout]]4.7[[symbol-dot and
 tick]]

22 57.5 +59.7| 2631|22|57.4[[symbol]] +59[[symbol]]| 40 6.7 . 6.9
 [[crossout]].7 7.6
 5.9[[strikethrough]]5.7[[/strikethrough]][[/crossout]]5.6[[symbol-dot and
 tick]]

23 22 +79.0| 835|23|22.5 +78[[strikethrough]]7.9[[/strikethrough]]| 60
 [[strikethrough]]0[[/strikethrough]] 7.5 . 7.1 [[crossout]]1.8 8.9
 7.2[[strikethrough]]7.0[[/strikethrough]][[/crossout]]5.8[[symbol-dot and
 tick]]

Mean 13

No.	R.A.	Dec.	MAG.	Br.
22 53	+59.0	2615	22 53.2	+59
23 42	+59.2	2777	23 41.8	+59
23 26.5	+59.3	2745	23 26.9	+59
23 16	+59.3	2710	23 16.1	+59
22 28	+78.1	801	22 28.6	+78
22 25	+78.1	796	22 25.6	+78
22 51	+59.2	2607	22 51.0	+59
23 14	+59.5	2701	23 14.0	+59
23 50	+59.3	2795	23 50.3	+59
23 21	+ 69.5	1332	23 21.1	+ 69
22 57.5	+59.7	2631	22 57.4	+59
23 22	+79.0	835	23 22.5	+78

John G. Williams Library, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA 02138

23 203 +69.9| 1331|23|20.2 +69| 53 6.8 . 6.9~~[[crossout]]~~1.2 8.1
6.4~~[[strikethrough]]~~6.2~~[[/strikethrough]]~~~~[[/crossout]]~~5.6~~[[symbol-dot and tick]]~~

0 1+78.9| 1|0|1.5 +78| 55 6.5_ 6.4~~[[crossout]]~~1.8 8.2
6.5~~[[strikethrough]]~~6.3~~[[/strikethrough]]~~~~[[/crossout]]~~5.1~~[[symbol-dot and tick]]~~

23 13+79.1| 777|23|13.9 +79| 6 7.8 _ 6.9~~[[crossout]]~~1.8 8.7
7.0~~[[strikethrough]]~~6.8~~[[/strikethrough]]~~~~[[/crossout]]~~5.6~~[[symbol-dot and tick]]~~

23 10+70.2| 1311|23|10.1 +70| 6 6.0 _ 6.2~~[[crossout]]~~1.2 7.4
5.7~~[[strikethrough]]~~5.5~~[[/strikethrough]]~~~~[[/crossout]]~~4.9~~[[symbol-dot and tick]]~~

23 20+60.3| 2540|23|19.8 +60| 17 7.0 _ 6.8~~[[crossout]]~~.8 7.6
5.9~~[[strikethrough]]~~5.7~~[[/strikethrough]]~~~~[[/crossout]]~~5.5~~[[symbol-dot and tick]]~~

~~[[strikethrough]]~~22 57+49.6|759|22|56.6 +79|34 7.5
~~[[/strikethrough]]~~2521|23|13.7~~[[strikethrough]]~~4~~[[/strikethrough]]~~
+60| 21 7.0 . 6.9 ~~[[crossout]]~~1.9 8.8
7.1~~[[strikethrough]]~~6.9~~[[/strikethrough]]~~~~[[/crossout]]~~5.6~~[[symbol-dot and tick]]~~

22 29+69.7| 1263|22|29.2~~[[symbol]]~~ +69~~[[symbol]]~~| 37 6.2 _ 6.7~~[[symbol-dash]]~~~~[[crossout]]~~1.1 7.8
6.1~~[[strikethrough]]~~5.9~~[[/strikethrough]]~~~~[[/crossout]]~~5.4~~[[symbol-underline]]~~~~[[symbol-dot and tick]]~~

23 54+60.1| 2656|23|54.0 +60| 2 68 . 7.8~~[[symbol-underline]]~~~~[[crossout]]~~.8 8.6
6.9~~[[strikethrough]]~~6.7~~[[/strikethrough]]~~~~[[/crossout]]~~6.5~~[[symbol-underline]]~~~~[[symbol-dot and tick]]~~

23 46.5+60.1| 2636|23|46.7 +60| 3 7.0 _ 7.6-8.1~~[[crossout]]~~.8 8.4 8.9}
6.7 7.2~~[[strikethrough]]~~6.5 7.0~~[[/strikethrough]]~~~~[[/crossout]]~~6.3
6.8~~[[symbol-tick]]~~

0 17.5+79.3| 10|0|17.9~~[[symbol]]~~ +79~~[[symbol]]~~| 14 7.0 .
6.5~~[[crossout]]~~1.8 8.3
6.6~~[[strikethrough]]~~6.4~~[[/strikethrough]]~~~~[[/crossout]]~~5.2~~[[symbol-dot and tick]]~~

23 56 +79.5| 799|23|55.4 +79| 30 7.5 . 7.5~~[[crossout]]~~1.8 9.3
7.6~~[[strikethrough]]~~7.4~~[[/strikethrough]]~~~~[[/crossout]]~~6.2~~[[symbol-dot and tick]]~~

23 4 +79.8| 769|23|4.6 +79| 47 7.5 _ 6.9~~[[crossout]]~~1.9 8.8 7.1
~~[[strikethrough]]~~6.9~~[[/strikethrough]]~~~~[[/crossout]]~~5.6~~[[symbol-dot and tick]]~~

23 54 +60.5| 2657|23|54.3 +60| 24 6.0 _ 6.6~~[[symbol-underline]]~~~~[[crossout]]~~.8 7.4 5.4
~~[[strikethrough]]~~5.5~~[[/strikethrough]]~~~~[[/crossout]]~~5.3~~[[symbol-~~

·

23 58 +60.6|2667|23|57.6 +60|31 6.0 2669|22|58.8 +60|
17 8.1 4258 6.0 13 -6 -
4-6 6.5·8 7.3
5.65.45.2
 · 266

1 5 +79.2|36|1|3.9 +79|8 6.5 0 59.9+
78.9|34|10
·0+ 7854 5.6 180 56
26+796.4
 ·1.8 8.2
6.56.35.1
 ·

22 58 +80.0| 761|22|58.8 +
7980
6007.2 _ 6.71.7 8.4 6.7
6.55.4

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

May 21, 1886.

Plate 196.

[9 column chart]

V H Type [^][[No. Remark.]] No Lines K Focus Other Lines. V H

[7.8|14.1|1|6|N|2|-|3.9|28.2]

[7.8|17.8|1|3|N|2|-|3.9|35.6]

[7.8|23.8|1|~~[[[strikethrough]]3|~~4|~~[[[strikethrough]]N|~~]]K=H|1|-|3.9|47.6][[~~[[[strikethrough]]|~~3|~~[[[strikethrough]]7.8|8.8|1|[^][[1?]]2|[^][[3]]N|[^][[N]]1|[^][[1]]-|~~]]3.9|17.6]Not formed on plate. [[~~[[[strikethrough]]7.1|7.7|1|4|N|2|-|~~]][3.6|15.4|~~[[[strikethrough]]~~]]

[7.6|12.5|1|5.1|N|2|-|3.8|25.0]

[[~~[[[strikethrough]]|~~3|~~[[[strikethrough]]7.6|13.0|1|[^][[1]]3|[^][[3]]N|[^][[N]]1|[^][[1]]-|~~]]3.8|26.0]Recorded alone [[~~[[[strikethrough]]7.8|14.1|1|5|N|2|-|~~]][3.9|28.2|~~[[[strikethrough]]~~]]

[7.4|13.5|1|3|N|1|-|3.7|27.0]

[7.0|7.2|~~[[[strikethrough]]|~~3|~~[[[strikethrough]]~~]][^][[1]]~~[[[strikethrough]]3|~~]][^][[2]]~~[[[strikethrough]]N|~~]]K=H|1|-|3.5|14.4]

[6.9|5.8|1|4|N|1|-|3.4|11.6]

[6.5|6.6|1|~~[[[strikethrough]]4|~~]][^][[5]]~~[[[strikethrough]]N|~~]][^][[K=H]]2|-|3.2|13.2][5.9|6.0|~~[[[strikethrough]]|~~]][^][[1a]][^][[8]]~~[[[strikethrough]]4|~~]][^][[2]]~~[[[strikethrough]]N|~~]][^][[K=H]]2|~~[[[strikethrough]]-|~~]][[~~[[[strikethrough]]3.0|12.0|~~]]

[7.1|10.2|1|

[[~~[[[strikethrough]]?|~~]]~~[[[strikethrough]]2|~~]][^][[3]]N|2|-|3.6|20.4]III? 6.6, 6.9. [^][[1]]7.3|15.8|III|1|N|2|-|3.6|31.6]

[4.9|9.7|1|3|N|1|-|2.4|19.4]

[4.7|8.1|1|3|N|2|-|2.4|16.2]

[4.3|12.4|1|4|N|2|-|2.2|24.8]

[4.4|19.5|1|~~[[[strikethrough]]?|~~]]3|N|2|-|2.2|39.0][4.1|10.0|1|[^][[d]]4|N|2|-|2.0|20.0]

[3.8|7.1|1|3|N|1|-|1.9|14.2]

[3.5|12.9|1|~~[[[strikethrough]]3|~~]][^][[4]]~~[[[strikethrough]]N|~~]][^][[K=H]]2|-|1.8|25.8][3.5|17.8|1|1|~~[[[strikethrough]]2|~~]][^][[1]]N|3|-|1.8|34.0][3.2|16.6|1|~~[[[strikethrough]]5|~~]][^][[6]]N|3|-|1.6|33.2][[~~[[[strikethrough]]?|~~]]3.6|22.1|1|[^][[d]]~~[[[strikethrough]]4|~~]][^][[5]]~~[[[strikethrough]]N|~~]][^][[K=H]]3|-|1.8|44.2][2.7|6.6|1|4|~~[[[strikethrough]]N|~~]][^][[K=H]]2|-|1.4|13.2]

[2.7|11.1|1|3|N|1|-|1.4|22.2]

[1.8|10.6|1|~~[[[strikethrough]]2|~~]][^][[3]]N|1|-|0.9|21.2][1.6|9.9|1|4|~~[[[strikethrough]]N|~~]][^][[K=H]]2|-|0.8|19.8]

[1.2|14.6|1|?|1|N|1|-|0.6|29.2]

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

10

May 21, 1886.

Plate 196.

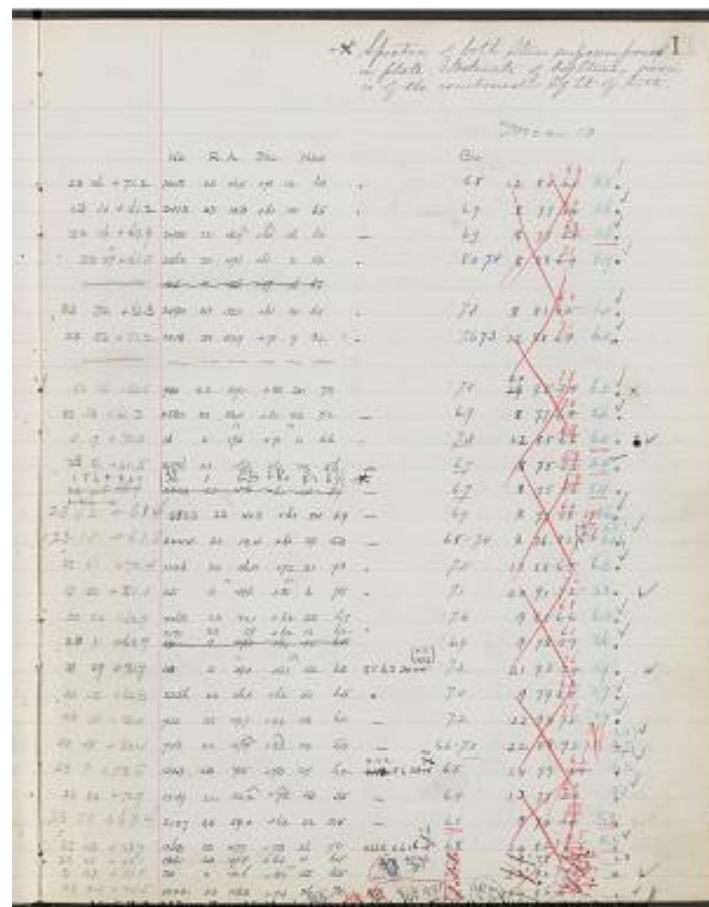
V	H	Type	No.	Remark.	K	Focus	Other Lines	V	H	
7.8	14.1	I	6	N 2 - 3.9 28.2						
7.8	17.8	I	3	N 2 - 3.9 35.6						
7.8	23.8	I	1	[[[strikethrough]] 3 [[[strikethrough]]N]]	K=H	1	-	3.9	47.6	
7.8	23.8	I	1	[[[strikethrough]] 3 [[[strikethrough]]7.8 8.8 1 [^][[1?]]2 [^][[3]]N [^][[N]]1 [^][[1]]-]]				3.9	17.6	
7.8	23.8	I	1	[[[strikethrough]]7.1 7.7 1 4 N 2 -]]						
7.8	23.8	I	1	[[[strikethrough]]3.6 15.4]]						
7.8	23.8	I	1	[[[strikethrough]]7.6 12.5 1 5.1 N 2 - 3.8 25.0]]]						
7.8	23.8	I	1	[[[strikethrough]]7.6 13.0 1 [^][[1]]3 [^][[3]]N [^][[N]]1 [^][[1]]-]]						
7.8	23.8	I	1	[[[strikethrough]]3.8 26.0]]]						
7.8	23.8	I	1	[[[strikethrough]]7.8 14.1 1 5 N 2 -]]						
7.8	23.8	I	1	[[[strikethrough]]3.9 28.2]]						
7.8	23.8	I	1	[[[strikethrough]]7.4 13.5 1 3 N 1 - 3.7 27.0]]]						
7.8	23.8	I	1	[[[strikethrough]]7.0 7.2]]						
7.8	23.8	I	1	[[[strikethrough]]3]]						
7.8	23.8	I	1	[[[strikethrough]]N]]	K=H	1	-	3.5	14.4	
7.8	23.8	I	1	[[[strikethrough]]6.9 5.8 1 4 N 1 - 3.4 11.6]]]						
7.8	23.8	I	1	[[[strikethrough]]6.5 6.6 1]]						
7.8	23.8	I	1	[[[strikethrough]]N]]	[^] [[K=H]]	2	-	3.2	13.2	
7.8	23.8	I	1	[[[strikethrough]]5.9 6.0]]	[^] [[1a]]					
7.8	23.8	I	1	[[[strikethrough]]4]]						
7.8	23.8	I	1	[[[strikethrough]]N]]	[^] [[K=H]]	2		[[[strikethrough]]-]]		
7.8	23.8	I	1	[[[strikethrough]]3.0 12.0]]						
7.8	23.8	I	1	[[[strikethrough]]7.1 10.2 1]]						
7.8	23.8	I	1	[[[strikethrough]]?]]	[[[strikethrough]]2]]					
7.8	23.8	I	1	[[[strikethrough]]3]]	N 2 - 3.6 20.4]					
7.8	23.8	I	1	[[[strikethrough]]7.3 15.8 III 1 N 2 - 3.6 31.6]]]						
7.8	23.8	I	1	[[[strikethrough]]4.9 9.7 1 3 N 1 - 2.4 19.4]]]						
7.8	23.8	I	1	[[[strikethrough]]4.7 8.1 1 3 N 2 - 2.4 16.2]]]						
7.8	23.8	I	1	[[[strikethrough]]4.3 12.4 1 4 N 2 - 2.2 24.8]]]						
7.8	23.8	I	1	[[[strikethrough]]4.4 19.5 1]]	[[[strikethrough]]?]]	3 N 2 - 2.2 39.0]				
7.8	23.8	I	1	[[[strikethrough]]4.1 10.0 1]]	[^] [[d]]4 N 2 - 2.0 20.0]					
7.8	23.8	I	1	[[[strikethrough]]3.8 7.1 1 3 N 1 - 1.9 14.2]]]						
7.8	23.8	I	1	[[[strikethrough]]3.5 12.9 1]]	[[[strikethrough]]3]]					
7.8	23.8	I	1	[[[strikethrough]]N]]	[^] [[K=H]]	2	-	1.8	25.8	
7.8	23.8	I	1	[[[strikethrough]]3.2 16.6 1]]	[[[strikethrough]]5]]	[^] [[6]]N 3 - 1.6 33.2]				
7.8	23.8	I	1	[[[strikethrough]]?]]	[[[strikethrough]]3.6 22.1 1]]					
7.8	23.8	I	1	[[[strikethrough]]4]]						
7.8	23.8	I	1	[[[strikethrough]]N]]	[^] [[K=H]]	3	-	1.8	44.2	
7.8	23.8	I	1	[[[strikethrough]]2.7 6.6 1 4]]	[[[strikethrough]]N]]	[^] [[K=H]]	2	-	1.4	13.2
7.8	23.8	I	1	[[[strikethrough]]2.7 11.1 1 3 N 1 - 1.4 22.2]]]						
7.8	23.8	I	1	[[[strikethrough]]1.8 10.6 1]]	[[[strikethrough]]2]]	[^] [[3]]N 1 - 0.9 21.2]				
7.8	23.8	I	1	[[[strikethrough]]1.6 9.9 1 4]]	[[[strikethrough]]N]]	[^] [[K=H]]	2	-	0.8	19.8
7.8	23.8	I	1	[[[strikethrough]]1.2 14.6 1]]	[[[strikethrough]]?]]	1 N 1 - 0.6 29.2]				

*Spectra of both Stars superimposed on plate. Estimate of brightness given is of the combined light of both.

Mean 13

[8 Columned Table]

No.	R.A.	DEC.	MAG.	Br.
23 26 +71.2	1208	23 26.4	+71 12	6.8
23 10 +61.2	2413	23 10.3	+61 10	6.5
22 46 +60.9	2450	22 45.7	+60 56	6.0
23 47 +61.0	2562	23 47.5	+61 2	6.8
23 32 +61.3	2490	23 32.0	+61 20	6.5
23 33 +71.2	1218	23 32.9	+71 9	8.2
23 36 +80.5	780	23 37.1	+80 30	7.8
23 53 +61.3	2580	23 53.4	+61 22	7.2
0 17 +71.0	16	0 17.5	+71 0	6.6
23 56 +61.5	2586	23 56.8	+61 29	5.6
35	5.6	+80 16	7.3	
1 5.6	+80.1	36	1 6.2	+80 8
23 42 +61.4	2533	23 41.8	+61 24	5.9
23 18 +61.5	2444	23 18.4	+61 29	5.3
23 56 +72.4	1136	23 56.0	+72 21	7.0
23 32 +62.9	2268	23 33.1	+62 55	6.7
23 1 +62.9	2171	23 1.9	+62 51	6.2
20 29 +81.7	13	0 29.0	+81 42	6.5
23 50 +82.4	743	23 49.7	+82 23	6.0
22 49 +82.4	703	22 47.9	+82 23	5.0



5.7. |
 | 23 9 +73.5 | 1023 | 23 9.5 | +73 27 | 6.2 | 4112 5.6 23 ~~[[strikethrough]]~~
 +4 +6 ~~[[/strikethrough]]~~ +4 | 6.5 | ~~[[crossed-out]]~~ 1.4 7.9 ~~[[strikethrough]]~~
 6.0 ~~[[/strikethrough]]~~ 6.2 ~~[[/crossed-out]]~~ 5.2. |
 | 22 32 +72.9 | 1049 | 22 32.2 | +72 54 | 5.5 | ~~[[crossed-out]]~~ 6.4 | ~~[[crossed-out]]~~ 1.3
 7.7 ~~[[strikethrough]]~~ 5.8 ~~[[/strikethrough]]~~ 6.0 ~~[[/crossed-out]]~~ 5.1. |
 | 23 59 +63.4 | 2107 | 23 59.0 | +63 22 | 5.4 | ~~[[crossed-out]]~~ 6.5 | ~~[[crossed-out]]~~ .9
 7.4 ~~[[strikethrough]]~~ 5.5 ~~[[/strikethrough]]~~ 5.7 ~~[[/crossed-out]]~~ 5.2. |
 | 23 48 +73.7 | 1063 | 23 47.9 | +73 36 | 7.0 | 4226 6.6 16
~~[[strikethrough]]~~ -3 -1 ~~[[/strikethrough]]~~ -3 | 6.8 | ~~[[crossed-out]]~~ 1.4 8.2
~~[[strikethrough]]~~ 6.3 ~~[[/strikethrough]]~~ 6.5 ~~[[/crossed-out]]~~ 5.5. |
 | 23 41 +64.1 | 1861 | 23 41.7 | +64 4 | 6.5 | ~~[[crossed-out]]~~ 258 45 -12 |
 7.0 | .9 7.9 6.0 6.1 ~~[[/crossed-out]]~~ . |
 | 0 41 +82.9 | 20 | 0 41.6 | +82 55 | 6.5 | ~~[[crossed-out]]~~ 6.7 | 2.3 9.0
 7.1 7.3 ~~[[/crossed-out]]~~ . |
 | 23 24 +74.5 | 1022 | 23 23.3 | +74 26 | 7.0 | . | ~~[[crossed-out]]~~ 7.0 | 1.4
 8.6 6.7 6.9 ~~[[/crossed-out]]~~ . |
~~[[bottom margin]]~~ ~~[[crossed-out]]~~ 262/14 266/14 292/15 32-15/15 21-
 25/14 ~~[[/crossed-out]]~~ 265/14 24-25/14 ~~[[/bottom margin]]~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

June 22, 1886

|||Plate 284.

V	No.	Type	No	Remark	No	Lines	K	Focus	Other	Lines
---	-----	------	----	--------	----	-------	---	-------	-------	-------

21.9|7.1|~~4~~7~~N~~^[K=H]1|-

22.5|21.8|¹[d.]]|~~3~~4|~~N~~~~/st~~
rikethrough]]¹[K=H?]]|1|-

21.6|13.7|I|4|N|1|-

21.1|6.5|~~3~~~~5~~~~N~~~~^~~~~[K=H]~~1|-

21.2|14.0|11|2|K=H~~?~~|1-

21.2|15.2|I|[[~~6~~]]10|N|5|⁻[[F.]]

20.5|10.9|1^[[b]] 9|[[~~strikethrough~~]]6|[[~~strikethrough~~]]7|N|2|

20.4|12.0|I|[[~~6~~]]8|N|3|-
20.3|12.0|I|A|[[~~5~~]]1|[[~~5~~]]1|[[~~5~~]]1|[[~~5~~]]1|N|4|

20.3|10.0|I⁺[[b]] 10
20.5|22.4|||4|N|3|

20.5|22.4|1|4|N|2|-
20.4|19.5|1|1|~~4~~|~~5~~|N|1|-

20.4|19.5|1|[[~~striketrough~~]]4|[/~~striketrough~~]]5|N|1
20.0|7.4|1|[[~~striketrough~~]]5|[/~~striketrough~~]]6|N|2|

19.8|14.9|I|6|N|2|-

19.7|17.9||[[~~4~~]]5|N|1|-

19.6|19.0|I|~~4~~5|N|1-

$$1[\text{[strikethrough]}5[\text{[/strikethrough]}]^{[9]}.7|20.7|1[\text{[strikethrough]}4[\text{[/strikethrough]}]5|N|1]-$$

20.0|22.3|?|?|09[[~~]]?[[/del]]|N?|5|^-^[[F]]~~

19.5[8.9]I[[~~7~~][~~8~~][~~N~~]/~~str~~
ough]]^[[K=.1H]]4|-

19.5|11.3|11^[[a]]

11[[~~through~~]]3[[~~through~~]]2[[~~through~~]]N[[~~through~~]]^
[[K=H]]1|seen

19.0|23.1|~~0~~3~~N~~
hrough]]K=H|2|⁻¹[F] seen

18.5|7.3|I|~~4~~|6|N|1|-

18.0[8.0][~~1~~][~~1~~]¹11?~~1~~3~~1~~
rough]2~~1~~N~~1~~¹[K=H]11-

18.0|7.5|~~5~~7|N|2|-

17.7|7.9|~~[[[strikethrough]]3~~[[[strikethrough]]5~~[[[strikethrough]]N~~[[[strikethrough]]^~~[[K=H]]1]-~~~~~~~~~~

18.0|9.9|~~4~~|5|N|1-

18.3|18.2|~~3~~6N?|2-

18.8|23.4|~~[[[strikethrough]]4[[/strikethrough]]5[[[strikethrough]]N?[[/striket~~
hrough]]^[[K=H]]|1|-

17.0|12.3|~~5~~~~7~~~~N~~

16.6|9.1||~~7~~|8|N|5|⁻|F.]

12

Plate 20

June 22, 1906

Loc.	Time	Wind	Temp	Humidity	Clouds
101	7.1	2	87	85	1
102	7.1	2	87	85	1
103	7.1	2	87	85	1
104	7.1	2	87	85	1
105	7.1	2	87	85	1
106	7.1	2	87	85	1
107	7.1	2	87	85	1
108	7.1	2	87	85	1
109	7.1	2	87	85	1
110	7.1	2	87	85	1
111	7.1	2	87	85	1
112	7.1	2	87	85	1
113	7.1	2	87	85	1
114	7.1	2	87	85	1
115	7.1	2	87	85	1
116	7.1	2	87	85	1
117	7.1	2	87	85	1
118	7.1	2	87	85	1
119	7.1	2	87	85	1
120	7.1	2	87	85	1
121	7.1	2	87	85	1
122	7.1	2	87	85	1
123	7.1	2	87	85	1
124	7.1	2	87	85	1
125	7.1	2	87	85	1
126	7.1	2	87	85	1
127	7.1	2	87	85	1
128	7.1	2	87	85	1
129	7.1	2	87	85	1
130	7.1	2	87	85	1
131	7.1	2	87	85	1
132	7.1	2	87	85	1
133	7.1	2	87	85	1
134	7.1	2	87	85	1
135	7.1	2	87	85	1
136	7.1	2	87	85	1
137	7.1	2	87	85	1
138	7.1	2	87	85	1
139	7.1	2	87	85	1
140	7.1	2	87	85	1
141	7.1	2	87	85	1
142	7.1	2	87	85	1
143	7.1	2	87	85	1
144	7.1	2	87	85	1
145	7.1	2	87	85	1
146	7.1	2	87	85	1
147	7.1	2	87	85	1
148	7.1	2	87	85	1
149	7.1	2	87	85	1
150	7.1	2	87	85	1
151	7.1	2	87	85	1
152	7.1	2	87	85	1
153	7.1	2	87	85	1
154	7.1	2	87	85	1
155	7.1	2	87	85	1
156	7.1	2	87	85	1
157	7.1	2	87	85	1
158	7.1	2	87	85	1
159	7.1	2	87	85	1
160	7.1	2	87	85	1
161	7.1	2	87	85	1
162	7.1	2	87	85	1
163	7.1	2	87	85	1
164	7.1	2	87	85	1
165	7.1	2	87	85	1
166	7.1	2	87	85	1
167	7.1	2	87	85	1
168	7.1	2	87	85	1
169	7.1	2	87	85	1
170	7.1	2	87	85	1
171	7.1	2	87	85	1
172	7.1	2	87	85	1
173	7.1	2	87	85	1
174	7.1	2	87	85	1
175	7.1	2	87	85	1
176	7.1	2	87	85	1
177	7.1	2	87	85	1
178	7.1	2	87	85	1
179	7.1	2	87	85	1
180	7.1	2	87	85	1
181	7.1	2	87	85	1
182	7.1	2	87	85	1
183	7.1	2	87	85	1
184	7.1	2	87	85	1
185	7.1	2	87	85	1
186	7.1	2	87	85	1
187	7.1	2	87	85	1
188	7.1	2	87	85	1
189	7.1	2	87	85	1
190	7.1	2	87	85	1
191	7.1	2	87	85	1
192	7.1	2	87	85	1
193	7.1	2	87	85	1
194	7.1	2	87	85	1
195	7.1	2	87	85	1
196	7.1	2	87	85	1
197	7.1	2	87	85	1
198	7.1	2	87	85	1
199	7.1	2	87	85	1
200	7.1	2	87	85	1

Project PhAEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 6

[[14 column table]]
 | h | m | o | No. | R.A. | | Dec. | Mag. | | Br | | | |
 |---|---|---|---|---|---|---|---|---|---|---|---|---|---|
 1 | 48 | +58.9 | 341 | 1 | 48.3 | +58. | ~~9~~ | ~~55~~ |
 7.0 | - | 6.4 | ~~7~~ | 7.1 | 5.8 | ~~5~~ | 5.8 |
 0 | 37 | +68. | ~~7~~ | ~~5~~ | 49 | 0 | 37.6 | +68 32 |
 6.4 | - | 6.7 | ~~1.1~~ | 7.8 | 6.5 | ~~1~~ | . |
 1 | 21 | +69.3 | 103 | 1 | 21.9 | +69.17 | 7.0 | . |
~~6.7~~ | ~~6.7~~ |
~~1.1~~ | ~~1.1~~ | 7.8 |
~~6.5~~ | ~~6.5~~ |
 1 | 50 | +59.3 | 376 | 1 | 50.7 | +59. | ~~3~~ | ~~15~~ |
 7.0 | - | 6.7 | ~~7~~ | 7.4 | 6.1 | ~~6.1~~ |
 1 | 20 | +69.6 | ~~158~~ | ~~102~~ | 1 | 20.5 | +69
~~6~~ | ~~34~~ |
~~8.0~~ | ~~6.1~~ | - | 6.5 | ~~1.1~~ | 7.6 |
 6.3 | ~~5.9~~ |
 1 | 16 | +59.5 | 248 | 1 | 16.4 | +59. | ~~5~~ | ~~29~~ |
 3.0 | 219 2.8 22 | ~~8~~ | ~~4.3~~ |
~~7~~ | 5.0 | ~~3.6~~ | ~~3.7~~ |
 3.7 |
 1 | 33 | +59.8 | 307 | 1 | 33.6 | +59. | ~~8~~ | ~~49~~ |
 6.0 | 266 5.5 10 | ~~4~~ | ~~3~~ | 5.8 | ~~7~~ |
 6.5 | ~~5.1~~ | ~~5.2~~ |
 1 | 32 | +69.9 | 114 | 1 | 31.8 | +69 52 | 5.2 | 260 5.1 | ~~24~~
 +10 | ~~6.3~~ |
~~1.2~~ | 7.5 | ~~6.1~~ | ~~6.2~~ |
 5.7 |
 1 | 34.9 | +49.9 | 444 | 1 | 34.6 | +49 58 | 4.1 | 269 4.2 20
~~9~~ | ~~7~~ | ~~5.7~~ |
~~1~~ | 43.9 | +69.8 | 122 | 1 | 43.9 | +69.46 |
 8.0 | ~~1.2~~ | 6.2 |
~~5.1~~ | ~~4.9~~ | 4.4 |
 0 | 48 | +59.6 | 146 | 0 | 48.1 | +59 35 | 6.3 | 145 5.5 8 | ~~5~~
 6 | ~~5.6~~ | ~~7~~ | 6.3 |
~~4.9~~ | ~~5.0~~ |
 0 | 49 | +69.7 | 55 | 0 | 48.7 | +69 43 | 6.8 | . | 6.6 | ~~2.2~~ | 8.8 |
 7.5 | ~~6.0~~ |
 1 | 43 | +50.0 | 379 | 1 | 43.0 | +50 5 | 6.1 | 284 5.4 | ~~1~~
~~1.3~~ | 6.2 | ~~5~~ | 6.7 |
~~5.3~~ | ~~5.4~~ | 5.6 |
 1 | 15 | +70.2 | 102 | 1 | 15.2 | +70 | ~~2~~ | ~~13~~ |
 6.1 | . | 6.3 | ~~1.2~~ | 7.5 | 6.2 | ~~5.7~~ |
 0 | 57 | +70.1 | 78 | 0 | 57.0 | +70 9 | 6.7 | . | ~~5.7~~ |
~~1~~ |
~~1~~ | 5 | +60.2 | 193 | 1 | 5.6 | +60
~~2~~ | ~~10~~ | 7.5 | ~~6.4~~ |
~~1.2~~ | 7.6 | 6.3 | ~~5.8~~ |
 0 | 50 | +70.2 | 65 | 0 | 50.8 | +70 | ~~2~~ | ~~13~~ |
 6.5 | . | 6.4 | ~~1.2~~ | 7.6 | 6.3 | ~~5.8~~ |
 1 | ~~41~~ | +70.4 | 53 | 0 | 40.7 | +70 23 |
 7.3 | ~~1~~ | ~~1~~ | ~~1~~ |
 0 | ~~54~~ | +60.3 | 157 | 0 | 54.7 | +60
~~8~~ | ~~18~~ | 6.5 | ~~6.7~~ |
~~8~~ | 7.5 | 6.2 | ~~6.1~~ |

Mean 6

| | | 144 | 0 | 48.0 | +59 56 | 2.3 | | | ~~[[crossout]]~~ | | ~~[[/crossout]]~~ |
 | 0 | 48 | +59.9 | ~~[[strikethrough]]~~146 | 0 | 48.1 | +59 35 |
 6.3~~[[/strikethrough]]~~ | . | 4.0 | ~~[[crossout]]~~.7 | 4.7 | 3.4~~[[/crossout]]~~ | 3.4 |
 | 1 | 50 | +70.2 | 153 | 1 | 50.1 | +70.~~[[strikethrough]]~~2~~[[/strikethrough]]~~11 |
 4.6 | - | 5.4 | ~~[[crossout]]~~1.2 | 6.6 | 5.3~~[[/crossout]]~~ | 4.8 |
 | 1 | 33 | +60.7 | 312 | 1 | 33.1 | +60.~~[[strikethrough]]~~7~~[[/strikethrough]]~~41 |
 6.3 | - | 6.1 | ~~[[crossout]]~~.8 | 6.9 | 5.6~~[[/crossout]]~~ | 5.5 |
 | 0 | 45 | +60.4 | 124 | 0 | 44.5 | +60 19 | 5.0 | - | 5.6 | ~~[[crossout]]~~.8 | 6.4 |
 5.1~~[[/crossout]]~~ | 5.0 |
 | 1 | 48 | +60.8 | 400 | 1 | 48.4 | +60.~~[[strikethrough]]~~8~~[[/strikethrough]]~~50 |
 7.5 | . | 6.5 | ~~[[crossout]]~~.8 | 7.3 | 6.0~~[[/crossout]]~~ | 5.9 |
 | 1 | 56 | +70.9 | 163 | 1 | 56.7 | +70 ~~[[strikethrough]]~~9~~[[/strikethrough]]~~52 |
 7.2 | - | 6.7-7.1 | ~~[[crossout]]~~1.2 | 7.9 | 8.3~~[[/crossout]]~~ | 6.1 6.5 |
 | 1 | 48 | +60.9 | 398 | 1 | 48.3 | +60 59 | 66 | . | 5.7 | ~~[[crossout]]~~.8 | 6.5 |
 5.2~~[[/crossout]]~~ | 5.1 |
 | 1 | 4~~[[strikethrough]]~~6~~[[/strikethrough]]~~2 |
 +~~[[strikethrough]]~~6~~[[/strikethrough]]~~51.~~[[strikethrough]]~~6~~[[/strikethrough]]~~2
 | 416 | 1 | 41.7 | +51 13 | 6.3 | - | 6.8 | ~~[[crossout]]~~.5 | 7.3 | 6.0~~[[/crossout]]~~
 | 6.2 |
 | 45 | +71.0 | 111 | 1 | 45.3 | +71 0 | 7.4 | | | ~~[[crossout]]~~ | |
~~[[/crossout]]~~ | |
 | 1 | ~~[[strikethrough]]~~38 | +61.1 | 329 | 1 | 38.7 | +61 +7 |
 8.0~~[[/strikethrough]]~~ | | 7.1 | ~~[[crossout]]~~1.2 | 8.3 | 7.0~~[[/crossout]]~~ | 6.5 |
 | 1 | 4 | +60.9 | 186 | 1 | 4.0 | +61 ~~[[strikethrough]]~~9~~[[/strikethrough]]~~56 |
 6.6 | | 6.8 | ~~[[crossout]]~~.8 | 7.6 | 6.3~~[[/crossout]]~~ | 6.2 |
 | 0 | 2~~[[strikethrough]]~~3~~[[/strikethrough]]~~5 |
 +~~[[strikethrough]]~~69.7~~[[/strikethrough]]~~70.1 |
~~[[strikethrough]]~~23~~[[/strikethrough]]~~24 |
~~[[strikethrough]]~~0~~[[/strikethrough]]~~0 |
~~[[strikethrough]]~~23.6~~[[/strikethrough]]~~24.8 |
~~[[strikethrough]]~~69.~~[[strikethrough]]~~7~~[[/strikethrough]]~~44~~[[/strikethrough]]~~+
 70 10 | ~~[[strikethrough]]~~9.2~~[[/strikethrough]]~~6.2 | - | 6.3 | ~~[[crossout]]~~1.2 |
 7.5 | 6.2~~[[/crossout]]~~ | 5.7 |
 | 1 | 28 | +61.6 | 304 | 1 | 28.4 | +61 ~~[[strikethrough]]~~6~~[[/strikethrough]]~~37 |
 6.5 | - | 6.0 | ~~[[crossout]]~~.8 | 6.8 | 5.5~~[[/crossout]]~~ | 5.4 |
 | 1 | 51 | +71.7 | 117 | 1 | 51.2 | +71 ~~[[strikethrough]]~~7~~[[/strikethrough]]~~42 |
 4.0 | 306 4.1 20
~~[[strikethrough]]~~+3~~[[/strikethrough]]~~~~[[strikethrough]]~~+6~~[[/strikethrough]]~~+7 |
 4.8 | ~~[[crossout]]~~1.3 | 6.1 |
~~[[strikethrough]]~~4.4~~[[/strikethrough]]~~4.8~~[[/crossout]]~~ | 4.2 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

14

June 22, 1886.
Plate 284.

[[7 column table]]

V | H | Type | No Lines | K | Focus | Other Lines

[[/check]] | 16.0. | 19.6 | I |
[[/strikethrough]] ^d [[/strikethrough]] No Remark | [[/strikethrough]] 3
[[/strikethrough]] 6 | 7 | [[/strikethrough]] N [[/strikethrough]] K=H |
[[/strikethrough]] K=H [[/strikethrough]] 1 | [[/strikethrough]] 2
[[/strikethrough]] | 7? [[/strikethrough]] F? [[/strikethrough]]

16.0. | 10.3 | I | [[/strikethrough]] 3 [[/strikethrough]] 4 | [[/strikethrough]] N
[[/strikethrough]] K=H | 1 | -

15.7. | 12.9 | III^b | 12 | [[/strikethrough]] 5 [[/strikethrough]] 2 | K=H | 2 |
Seen

[[/check]] | 16.0 | 20.4 | III [[/strikethrough]]
III [[/strikethrough]] | [[/strikethrough]] 3 [[/strikethrough]] 2
[[/strikethrough]] 2 [[/strikethrough]] K=H | [[/strikethrough]] K=H
[[/strikethrough]] 1 | [[/strikethrough]] 2 [[/strikethrough]] | -
[[/strikethrough]] -[[/strikethrough]]

15.1. | 12.7 | I | [[/strikethrough]] 3 [[/strikethrough]] 5 | N | 1 | -

15.0 | 12.7 | I | [[/strikethrough]] 3? [[/strikethrough]] 5? | N | 2 | -

15.1 | 21.8 | I | [[/strikethrough]] 4 [[/strikethrough]] 5 | N | 1 | -

14.2 | 8.8 | I? | [[/strikethrough]] 0 [[/strikethrough]] 9? | N | 5 | -
[[/strikethrough]] 7? [[/strikethrough]]

13.8 | 9.6 | I | [[/strikethrough]] 5 [[/strikethrough]] 6 | [[/strikethrough]] N
[[/strikethrough]] K=.3H | 2 | -

14.0 | 10.4 | II^a 13 | [[/strikethrough]] 3 [[/strikethrough]] 2 | K=H | 2 | F?
Seen

13.7 | 14.8 | I | [[/strikethrough]] 3 [[/strikethrough]] 4 | N | 1 | -

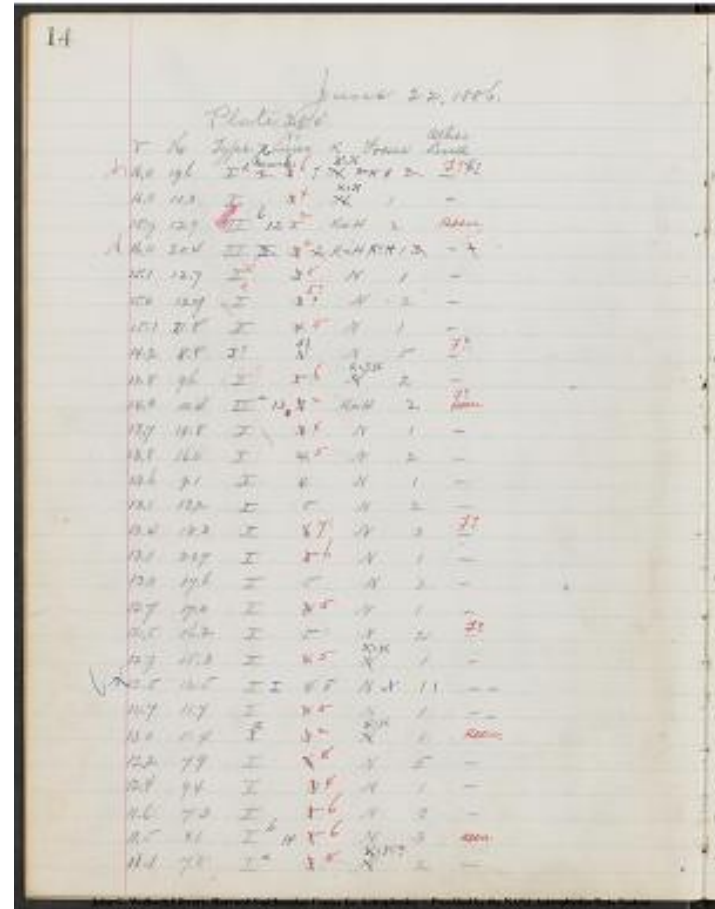
13.8 | 16.0 | I | [[/strikethrough]] 4 [[/strikethrough]] 5 | N | 2 | -

13.6 | 9.1 | I | 4 | N | 1 | -

13.1 | 13.2 | I | 5 | N | 2 | -

13.4 | 18.3 | I | [[/strikethrough]] 6 [[/strikethrough]] 7 | N | 3 | F?

13.1. | 20.7 | I | [[/strikethrough]] 5 [[/strikethrough]] 6 | N | 1 | -



13.0 | 17.6 | I | 5 | N | 2 | -

12.7 | 17.0 | I | ~~4~~ ~~5~~ | N | 1 | -

12.5 | 16.2 | I | ~~5~~ ~~6~~ | N | 2 | F?

12.7 | 15.3 | I | ~~4~~ ~~5~~ | ~~N~~
~~K=H~~ | 1 | -

~~[sqrteroot]~~ | 12.5 | 12.5 | I | ~~4~~ ~~5~~ |
N | ~~1~~ | -

12.7 | 11.4 | I | ~~4~~ ~~5~~ | N | 1 | -

13.0 | 11.4 | ~~I~~ ~~II~~ | ~~3~~
~~2~~ | ~~N~~ | ~~K=H~~ | 1 | Seen

12.2 | 7.9 | I | ~~6~~ ~~8~~ | N | 5 | -

12.4 | 9.4 | I | ~~3~~ ~~4~~ | N | 1 | -

11.6 | 7.3 | I | ~~5~~ ~~6~~ | N | 3 | -

11.5 | 8.1 | I^b | 14 | ~~5~~ ~~6~~ | N | 3 | ~~[[?]]~~

11.1 | 7.0 | I^d | ~~3~~ ~~5~~ | ~~N~~
~~K=H?~~ | 2 | -

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 6

[[9 columned table]]

| No. | R.A. | DEC. | MAG. | | Br. | | |

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

0 5.7 +61.9[[/strikethrough]]208[[/strikethrough]]206[[/strikethrough]]0

57.5[[/strikethrough]]0

57.5[[/strikethrough]]5[[/strikethrough]]3[[/strikethrough]]+61

[[/strikethrough]]9[[/strikethrough]]53[[/strikethrough]]+61

59[[/strikethrough]]8.0[[/strikethrough]]6.5[[/strikethrough]]5.9 6.0

[[/strikethrough]]8 6.7 5.4[[/strikethrough]]5.3.

1 34 52.1|420|1 34.5|+52 9|7.0|6.7[[/strikethrough]]5 7.2

5.9[[/strikethrough]]6.1.

1 2[[/strikethrough]]5[[/strikethrough]]7

[[/strikethrough]]+62.4[[/strikethrough]]+72.2[[/strikethrough]]274[[/strikethrough]]

rough]]86[[/strikethrough]]1 25.6[[/strikethrough]]1

27.0[[/strikethrough]]+62 3[[/strikethrough]]+72

17[[/strikethrough]]6.5[[/strikethrough]]5.2|6.2-6.5[[/strikethrough]]1.3

7.5 7.8[[/strikethrough]]6.5^[[6.2]] 5.9^[[5.6]].

0 [[/strikethrough]]53[[/strikethrough]]39

+[[/strikethrough]]61.8[[/strikethrough]]71.9[[/strikethrough]]196[[/strikethrough]]

ough]]37[[/strikethrough]]0 53.8[[/strikethrough]]0

38.8[[/strikethrough]]61. [[/strikethrough]]8[[/strikethrough]]50[[/strikethrough]]

gh]]+71[[/strikethrough]]7.8[[/strikethrough]]53|6.5-6.8|6.4^[[6.4]].8 .73

6.0|6.2^[[5.9]].

1 26. [[/strikethrough]]9[[/strikethrough]]

+[[/strikethrough]]6[[/strikethrough]]52.6[[/strikethrough]]277[[/strikethrough]]

h]]382[[/strikethrough]]1 26.9[[/strikethrough]]1 26.3[[/strikethrough]]+62

1[[/strikethrough]]+52

36[[/strikethrough]]7.2[[/strikethrough]]6.6|.6.7[[/strikethrough]]5 72

5.9[[/strikethrough]]6.1

1 27 +62.6|277|1|269|+62 39|7.2|6.6|strikethrough|6.0.

0 29 +72.1|35|0 288|+72 6|6.9|6.4|strikethrough|5.5.

1 44 +62.9|320|1 44.1|+62 59|3.3|4.6|strikethrough|4.0.

1 50 +73.1|108|1 50.5|+73 8|6.2|6.0|strikethrough|5.4.

1 34 +63.1|238|1 39.3|+63 8|6.1

5.9|strikethrough|5.3

1 14 +73.3|41|1 14.2|+73 2.2|7.8|6.8|strikethrough|6.2.

1 5 +73.2|6.0|1 5.8|+73 12|8.5|6.4|strikethrough|5.8.

1 38 +53.3|386|1 38.4|+53 17.9|7.2|6.8|strikethrough|6.2.

1 25 +73.6|81|1 2.56|+73 33|6.5|6.1|strikethrough|5.5.

1 2 +63.5|149|1 2.1|+63 26|6.0|188|54|10-3|5.5.

strikethrough|4.9

1 11 +63.8|196|1|11.5|+63.53|6.6|5.7|strikethrough|5.1.

1 10 +73.8|66|1|10.4|+73|49|6.8|6.5|strikethrough|5.4.

1 27.9 +64.6|202|1|27.7|+64.0+6.8|6.766|strikethrough|6.1.

1 30 +53.9|35.4|1|20.1|+53|53|7.5|6.8|strikethrough|6.2.

1 31 +53.8|362|1|250|+58|43|7.8|6.8|strikethrough|6.2.

59.9|53.5|229|0|59.9|53.24|6.8|strikethrough|6.8|

54|73.7|51|0|54.5|73.36|6.8|strikethrough|6.2|

1.11|63.8|176|1|11.5|63.53|6.6|strikethrough|5.7|

15

Mean 6

No.	R.A.	Dec.	MAG.	Br.			
0	5.7	+61.9	208	206	0		
57.5							
57.5							
59							
1	34	52.1	420	1 34.5	+52 9	7.0	6.7
5.9							
1	2						
274							
86							
1							
17							
1.3							
0							
39							
196							
0							
50							
71							
7.8							
53							
6.5							
6.8							
6.4							
8							
.73							
6.0							
6.2							
5.9							
1							
26							
9							
52.6							
277							
382							
1 26.9							
1 26.3							
+62							
1							
+52							
36							
7.2							
6.6							
.6.7							
5 72							
5.9							
6.1							
1 27							
+62.6							
277							
1 269							
+62 39							
7.2							
6.6							
strikethrough							
6.0.							
0 29							
+72.1							
35							
0 288							
+72 6							
6.9							
6.4							
strikethrough							
5.5.							
1 44							
+62.9							
320							
1 44.1							
+62 59							
3.3							
4.6							
strikethrough							
4.0.							
1 50							
+73.1							
108							
1 50.5							
+73 8							
6.2							
6.0							
strikethrough							
5.4.							
1 34							
+63.1							
238							
1 39.3							
+63 8							
6.1							
5.9							
strikethrough							
5.3							
1 14							
+73.3							
41							
1 14.2							
+73 2.2							
7.8							
6.8							
strikethrough							
6.2.							
1 5							
+73.2							
6.0							
1 5.8							
+73 12							
8.5							
6.4							
strikethrough							
5.8.							
1 38							
+53.3							
386							
1 38.4							
+53 17.9							
7.2							
6.8							
strikethrough							
6.2.							
1 25							
+73.6							
81							
1 2.56							
+73 33							
6.5							
6.1							
strikethrough							
5.5.							
1 2							
+63.5							
149							
1 2.1							
+63 26							
6.0							
188							
54							
10-3							
5.5.							
strikethrough							
4.9							
1 11							
+63.8							
196							
1 11.5							
+63.53							
6.6							
5.7							
strikethrough							
5.1.							
1 10							
+73.8							
66							
1 10.4							
+73 49							
6.8							
6.5							
strikethrough							
5.4.							
1 27.9							
+64.6							
202							
1 27.7							
+64.0+6.8							
6.766							
strikethrough							
6.1.							
1 30							
+53.9							
35.4							
1 20.1							
+53 53							
7.5							
6.8							
strikethrough							
6.2.							
1 31							
+53.8							
362							
1 250							
+58 43							
7.8							
6.8							
strikethrough							
6.2.							
59.9							
53.5							
229							
0 59.9							
53.24							
6.8							
strikethrough							
6.8							
54							
73.7							
51							
0 54.5							
73.36							
6.8							
strikethrough							
6.2							
1.11							
63.8							
176							
1 11.5							
63.53							
6.6							
strikethrough							
5.7							

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

June 22, 1886

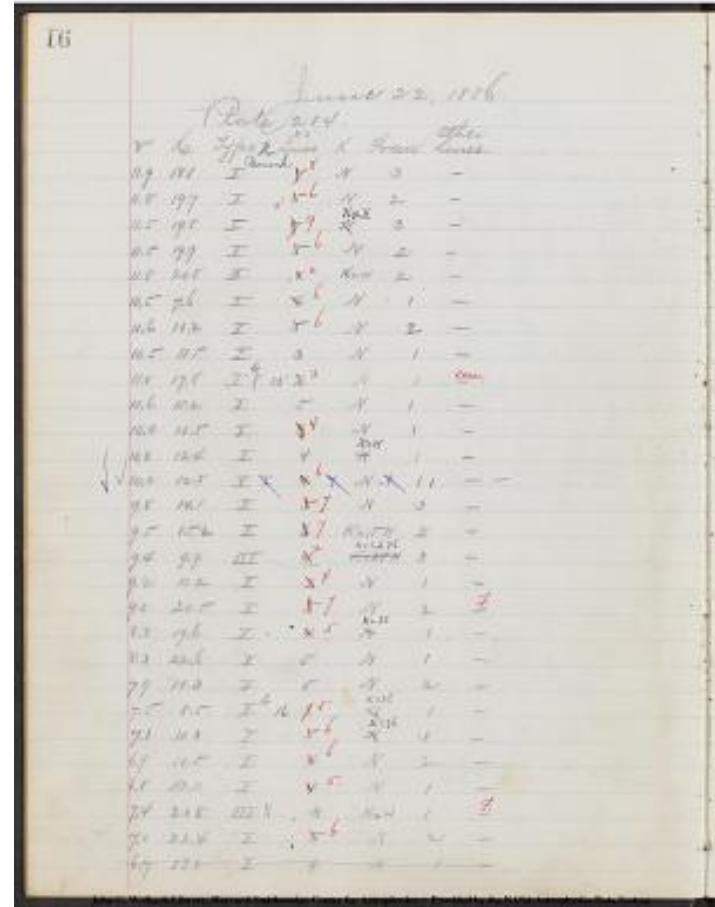
Plate 284

[8 column table]

v|No.|Type|No. Remark|No Lines|K|Focus|Other Lines.|

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

11.9|18.1|||~~7~~|~~8~~|N|3|-|
 11.8|19.7|||~~5~~|~~6~~|N|2|-|
 11.5|19.8|||~~7~~|~~8~~|N|2|-|
 9|~~N~~|~~K=2~~|H|3|-|
 11.5|19.9|||~~5~~|~~6~~|N|2|-|
 11.8|20.8|||~~4~~|~~2~~|K=H|2|-|
 10.5|7.6|||~~4~~|~~6~~|N|1|-|
 10.6|10.2|||~~5~~|~~6~~|N|2|-|
 10.5|11.5|||3|N|1|-|
 11.0|17.8|||~~7~~|~~7~~|~~^~~|~~[b]~~|
 15|~~2~~|~~3~~|N|1|-~~^~~|~~[?]~~|
 10.6|18.2|||5|N|1|-|
 10.0|10.5|||~~3~~|~~4~~|N|1|-|
 10.0|12.4|||4|~~N~~|~~K=H~~|1|-|
 [2 check
 marks]|10.0|12.8|||~~4~~|~~6~~|~~7~~|~~7~~|~~4~~|~~6~~|~~7~~|~~7~~|
 6|~~7~~|~~7~~|~~7~~|~~7~~|~~7~~|~~7~~|~~7~~|
 6|~~7~~|~~7~~|~~7~~|~~7~~|~~7~~|~~7~~|~~7~~|
 1|1|-|
 9.8|14.1|||~~5~~|~~7~~|N|3|-|
 9.5|15.2|||~~6~~|~~7~~|K=5H|2|-|
 9.4|9.9|||~~4~~|~~4~~|
 2|~~K=1.5H~~|~~K=1.2H~~|3|-|
 9.2|11.2|||~~3~~|~~4~~|N|1|-|
 9.0|20.5|||~~5~~|~~7~~|N|2|-~~^~~|~~[?]~~|
 8.3|19.6|||~~4~~|~~4~~|
 5|~~N~~|~~K=H~~|1|-|
 8.3|22.6|||5|N|1|-|
 7.9|10.3|||5|N|2|-|
 7.5|8.5|~~^~~|~~[b]~~|16|~~5~~|~~5~~|
~~[?]~~|~~N~~|~~K=H~~|1|-|
 7.1|10.3|||~~5~~|~~5~~|
 6|~~N~~|~~K=H~~|3|-|
 6.9|10.5|||~~4~~|~~6~~|N|2|-|
 6.8|13.0|||~~4~~|~~5~~|N|1|-|
 7.4|20.8|||~~3~~|~~K=H~~|1|-~~^~~|~~[?]~~|
 7.0|22.4|||~~5~~|~~6~~|N|2|-|
 6.7|13.0|||4|N|1|-~~^~~|~~[?]~~|



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

[9 column table]

[No.]	[R.A.]	[DEC.]	[MAG.]	[Br.]	[Mean B]			
1	21	+64.2	127	1				
2	4.4	+64.1	127	2	13.5	191	5.5	
3	127	71	6	5.3	9	6.2		
4	8	4.9	4.7					
5	38.2	+74.1	29	0				
6	38.2	+74.1	29	0				
7	18	1.4	7.1					
8	1	2	3	23	4.8	-5.4	6	6.0
9	4.7	4.8						
10	36	2	27	0				
11	36.2	+74.1	12	5.1	104	5.6		
12	16	1.4	7.2					
13	5.8	5.2						
14	0	58	54.2	223	0	58.7	12	5.7
15	5.3	-5.4	6	6	6			
16	1	44	54.9	408	1	44.2	53	6.6
17	5.5	5.1	6	6	6			
18	1	48	74.8	91	1	48.8	8	47
19	6.5	6.1	1.5	7.5	6.2	5.4		
20	1	30	55.0	375	1	30.4	3	7.5
21	5.8	-5.9	6	7.1				
22	1	9	54.7	258	1	9.0	54	40
23	5.9	6.1	6	6	6			
24	0	48	74.8	41	0	47.7	74	42
25	6.9	6.1	6	6	6			
26	1	3	55	1	8	4	65	2
27	55.1	391	1	34	4	55	9	7
28	6.1	6.1	6	6	6			
29	1	32	75.1	185	1	28.0	65	3
30	20	8.7	72	1	32	1	65	7
31	8	7.0	6.9	1.5	8.4	7.1	6.3	
32	1	26	65	1	65	5	182	1
33	26.0	65	5	29	7.8	360	1	
34	6.2	6.2	55	18	7.2	6.5	1.0	7.5
35	6.2	6.2	55	18	7.2	6.5	1.0	7.5
36	1	20.5	65.4	175	1	20.8	65	4
37	5	21	233	5.9	5	9	9	5
38	8	5.5	9	6.4	5.1	4.9		
39	1	10	75.5	59	1	10.3	75	28
40	1	51	75.4	86	1	51.8	75	4
41	5	25	5	5	9	6.2		

17

No. R.A. Dec. Mag.

Pos.

Time

1	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
2	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
3	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
4	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
5	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
6	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
7	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
8	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
9	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
10	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
11	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
12	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
13	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
14	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
15	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
16	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
17	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
18	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
19	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
20	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
21	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
22	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
23	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
24	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
25	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
26	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
27	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
28	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
29	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
30	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
31	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
32	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
33	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
34	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
35	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
36	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
37	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
38	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
39	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
40	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
41	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
42	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
43	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
44	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
45	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
46	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
47	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
48	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
49	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
50	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
51	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
52	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
53	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
54	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
55	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
56	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
57	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
58	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
59	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
60	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
61	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
62	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
63	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
64	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
65	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
66	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
67	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
68	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
69	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
70	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
71	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
72	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
73	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
74	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
75	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
76	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
77	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
78	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
79	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
80	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
81	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
82	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
83	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
84	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
85	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
86	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
87	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
88	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
89	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
90	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
91	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
92	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
93	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
94	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
95	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
96	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
97	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
98	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
99	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1
100	21 + 40.3	27	1.20	10.45	1.1	2.1	2.1	2.1

Project PhAEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

June 22, 1886.

Plate 284

[8 column table]

[v.|No.|Type|No. Remark|No Lines|K|Focus|Other Lines.]

v.	No.	Type	No.	Remark	No Lines	K	Focus	Other Lines
6.0	10.8	III	2	N	1	1	1	1
6.0	11.9	II	6	8	3	-	-	-
6.0	12.2	III	2	K=H	1	-	-	-
6.0	13.1	II	5	6	1	-	-	-
6.4	16.5	II	4	6	2	-	-	-
5.9	15.0	III	17	2	K=H	2	1	1
5.9	16.1	II	3	K=H	1	-	-	-
5.6	17.0	II	5	2	K=H	2	1	1
6.0	18.3	II	4	K=H	1	-	-	-
6.0	21.9	II	4	N	1	-	-	-
5.5	20.0	II	6	8	2	-	-	-
4.8	11.1	II	3	5	2	-	-	-
4.5	17.8	II	6	7	3	-	-	-
4.4	9.5	II	4	6	5	-	-	-
4.0	11.6	II	4	5	1	-	-	-
3.7	13.3	III	20	3	1	-	-	-
2	19.3	II	4	K=H	2	-	-	-
3.0	19.3	II	4	6	1	-	-	-
3.4	22.9	III	2	K=H	2	-	-	-
2.7	15.8	II	5	6	2	-	-	-
2.3	7.2	II	3	N	1	-	-	-
2.3	10.4	II	3	N	1	-	-	-
1.7	15.4	I	1	1	2	-	-	-
?	15.4	I	1	1	2	-	-	-

18

June 22, 1886.
Plate 284

v.	No.	Type	No.	Remark	No Lines	K	Focus	Other Lines
6.0	10.8	III	2	N	1	1	1	1
6.0	11.9	II	6	8	3	-	-	-
6.0	12.2	III	2	K=H	1	-	-	-
6.0	13.1	II	5	6	1	-	-	-
6.4	16.5	II	4	6	2	-	-	-
5.9	15.0	III	17	2	K=H	2	1	1
5.9	16.1	II	3	K=H	1	-	-	-
5.6	17.0	II	5	2	K=H	2	1	1
6.0	18.3	II	4	K=H	1	-	-	-
6.0	21.9	II	4	N	1	-	-	-
5.5	20.0	II	6	8	2	-	-	-
4.8	11.1	II	3	5	2	-	-	-
4.5	17.8	II	6	7	3	-	-	-
4.4	9.5	II	4	6	5	-	-	-
4.0	11.6	II	4	5	1	-	-	-
3.7	13.3	III	20	3	1	-	-	-
2	19.3	II	4	K=H	2	-	-	-
3.0	19.3	II	4	6	1	-	-	-
3.4	22.9	III	2	K=H	2	-	-	-
2.7	15.8	II	5	6	2	-	-	-
2.3	7.2	II	3	N	1	-	-	-
2.3	10.4	II	3	N	1	-	-	-
1.7	15.4	I	1	1	2	-	-	-
?	15.4	I	1	1	2	-	-	-

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

left margin | S. | R.a. | Dec. | Mag. | Br | Mean 6.

1 48 +77.2 | ~~No.~~ 73 1 |
~~R.A.~~ 48.5 |
~~DEC.~~ +77 12 |
~~MAG.~~ 6.3 - | 6.5-6.8 | ~~1.6 8.1-~~
~~8.4~~ ^6.8 7.1 ~~5.9 6.2~~ } sm73+77 [symbol-degree]

1 31.9 +64.4 | 149 1 ~~73 1~~ | 31.7 ^ +67 ^
~~3~~ 18 | 6.1 257 55.5 9 ~~5.1~~ -4 | 5.4 |
~~1.0 6.4~~ ~~5.0~~ 5.1 ~~5.1~~ .
 4.8 [symbol-check]

1.28 +57.2 | 349 1 | 28.7 | +57 | 14 | 6.0 | - | 6.7 ~~7.1~~ |
~~7.7 7.4~~ 6.1 | 6.5 | 6.55

1.28 +77.2 | 58 | 1 | 276 | +77 | 14 | 6.5 ~~141 1 26.0~~ +67
 10 | 8.7 | 5.9 ~~1.6~~ | 7.5 | 6.2 | .53

1.8 +67.1 | 108 | 1 | 8.5 | +67x3 | 6.8 . 5.8 ~~1.0 6.8 5.5~~ | 5.2

1 15.8 +64.4 | 123 | 1 | 15.8 | +67 22 | ~~4~~ 5.2 - 5.4-6.0
~~1.0 6.4 7.0 5.1 5.7~~ | .54

1 14 +57.4 | 274 | 1 | 14.2 | +57 | 2.3 | 7.0 - 6.6 ~~7.7 7.3 6.0~~
 .6.0

1 11 +57.5 | 260 | 1 | 11.0 | +57 | 28 | 6.1 - 5.8 ~~7.7 6.5 5.2~~
 .5.2

0 41 +77.2 | 27 | 0 | 40.5 | +77 | 10 | 6.7 . 6.4 | 1.6 ~~8.0 6.7~~
 .5.8

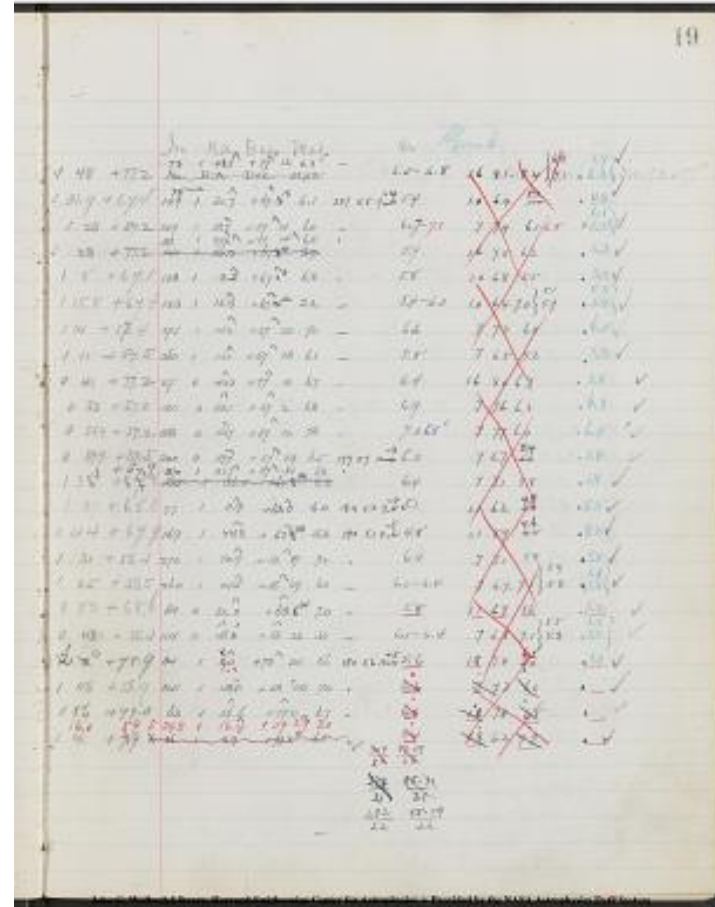
0 53 +57.0 | 180 | 0 | 53.1 | +57 | 2 | 6.8 . 6.9 | ~~7.7 6.6 6.3~~ 6.3
 0 559 +57.2 | 188 | 0 | 55.7 | +57 | 12 | 7.6 . 7.0 6.8 | ~~7.7 7.6 6.4~~
 6.4
 0 559 +57.5 | 200 | 0 | 59.7 | +57 | 29 | 6.5 177 5.7 10 -3 6.0 | ~~7.7 6.7 5.3 5.4~~ | .5.4

1 3 ~~3~~ +57.9 67.9 ~~370~~ | 1 | 32.7 | +57 | 54 | 6.8 |
 6.4 ~~7.7 7.1 5.8~~ | 5.8 |

10.9 +68.0 | 77 | 1 | 0.9 | +68.0 | 6.0 | 184 5.3 9-4 ~~5~~ | 5.1
~~1.1 6.2 4.8 4.9~~

1 44 +67.9 | 169 | 1 | 44.8 | +58 (67. ~~9~~ 5.2) 290 | 5.18 -5
~~6 4.8~~ ~~4.9~~

1 31 +58.4 | 273 | 1 | 30.9 | +58 19 | 7.2 . 6.4 | ~~7.7 7.1 5.8~~
 5.8



1 25 +58.5| 260| 1 | 24.5| +58 29 | 6.0 - | 6.0-6.4

0 52 +68.6| 64| 0 | 52.0| +68 ~~6~~ ~~[[put in]]~~ 34| 7.0| 5.8|
~~[[crossout]]~~ 11.69 5.6 | 5.2

0 482 +58.4| 138| 0 | 48 ~~[[crossout]]~~ 0 (1)|+58 | 23 5.0
- 6.1-6.4| ~~[[crossout]]~~ .7 6.8 7.1 } 5.5 5.8

~~[[crossout]]~~ 2 (1) ~~[[crossout]]~~ 0 (0) +78.9| 34 1| ~~[[crossout]]~~ 0 (1) ^ 0| +78 ^
54 |5.6 180 5.6| 18 ~~[[crossout]]~~ +4 (+5)| 5.6| ~~[[crossout]]~~ 1.8 7.4 6.1 (6.0)|
5.0

1 48 +58.9| 341| 1 | 48.3 +58| 55| 7.0 . | ~~[[crossout]]~~ 6.6 .7 7.3 6.0
.

1 56 +79.0| 63| 1 | 56.6 +790| 6.7| . | ~~[[crossout]]~~ 6.0 1.8 7.8 6.5| .

1 (16.0) +79| (59)| 2 (5)| 36 (248) 1 (1) 39 (16.4| +79 X 8 6.5 (+59 29
3.0) ~~[[crossout]]~~ 4.4 1.8 6.2 4.9| .

~~[[crossout]]~~ 309/23 57-59/23
278/21 55-50/21
282/22 55-59/22

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

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

[8 column table]

[illegible]

21.0	11.1	^[[b]]	21	6	N	2	[[?]]
------	------	--------	----	---	---	---	-------

|21.0|11.9|| ~~4~~ 5|N|1|-|

20.8|6.2|~~[[strikethrough]]~~?~~[[/strikethrough]]~~

$$I_{\text{a}}/22/2[\text{N}] K=1.2H?|2|-$$

|19.9|17.3|| |~~4~~

$$6|[\text{N}]K=H|1|-$$

|19.1|8.2|| |3|N|1|-|

|19.0|8.5|I| |~~6~~ 7|N?|3|-|

18.5|8.8|1| |~~6~~7|N|1|-|

|18.1|7.5|I^[["b"]]|23|4|N|1|-|

$$|18.0|10.2|1|8|N|2|-|$$

|19.3|16.8|~~[[strikethrough]]~~~~[[/strikethrough]]~~

$$|I^a[a]|24|[\text{strikethrough}]^1\bar{1}[\text{strikethrough}]^3|K=H|5|Freeu[?]|$$

|19.0|17.1|| |7|[[~~strikethrough~~]]N[[~~strikethrough~~]] K=H|2|-

19.1|20.6||3~~[[~~strikethrough~~]]~~4|N~~[[~~strikethrough~~]]~~ K=H|1|

|18.3|18.2||4|N|1|

18	16.5	I?	2	N	1
----	------	----	---	---	---

|17.5|8.8||3|~~4~~|N|1|

|17.5|12||4|~~6~~|N|1|

|17.2|11.5|I|4~~[[strikethrough]]~~6|N|2|

$$|17|11.2|1|7|N|2|$$
$$|16.7|11.6||6|N[[\text{strikethrough}]]K=.1H|2|$$

|16.5|10||4|~~5~~|N~~5~~|K=H|1|

|17.4|19.7|I|3|N?|1|

16.5|20.1||6~~[[strikethrough]]~~7|N?~~[[strikethrough]]~~K=.2H|2|

16.4	21.4	1	5	N	1
------	------	---	---	---	---

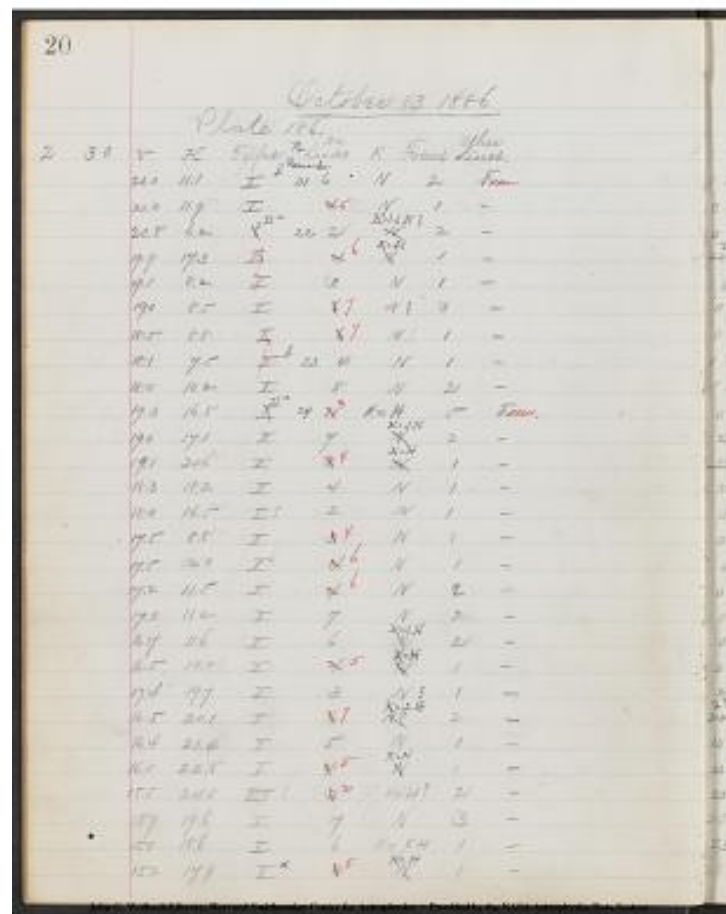
|16|22.8||4|~~5~~|N~~K~~=H|1|

|15.5|24|III?|3[[~~strikethrough~~]]2|K=H?|2|

15.9	19.6	1	7	N	3
------	------	---	---	---	---

|15|18.6|I|6|K=.8H|1|

|15.2|149|I^[[d]]|3[[~~strikethrough~~]]5|N[[~~strikethrough~~]]K=H|1|



Project PhAEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

mark]]
0|3|+58.9|11|0|3.0|+58|51|7.3| | |
|7.0|[[[strikethrough]].7|7.7|[[[strikethrough]]6.1|[[[strikethrough]].[^][[[strikethrough]]6.0|[[[strikethrough]].5.8|[[[symbol - check mark]]
0|54|+73.7|51|0|54.5[^][[[[^]]]]+.73[^][[[[^]]]|36|6.8|. | |
|6.8|[[[strikethrough]]1.4|8.2|[[[strikethrough]]6.6|[[[strikethrough]].[^][[[strikethrough]]6.5|[[[strikethrough]].5.6|[[[symbol - check mark]]
0|22|+63.9|53|0|22.1[^][[[[^]]]]+63[^][[[[^]]]|57|7.0|. | |
|7.1|[[[strikethrough]].9|8.0|[[[strikethrough]]6.4|[[[strikethrough]].[^][[[strikethrough]]6.3|[[[strikethrough]].5.9|[[[symbol - check mark]]
0|22|+59.2|68|0|22.3[^][[[[^]]]]+59[^][[[[^]]]|10|6.0|64|6.0|12|[[[strikethrough]]-
4|[[[strikethrough]].[^][[[strikethrough]]+5|[[[strikethrough]]6.5|[[[strikethrough]]h]].7|7.2|[[[strikethrough]]5.6|[[[strikethrough]].[^][[[strikethrough]]5.5|[[[strikethrough]]5.3|[[[symbol - check mark]]
0|38|+74.0|29|0|38.2[^][[[[^]]]]+74[^][[[[^]]]|4|5.8|114|5.3|25|[[[strikethrough]]]+9|[[[strikethrough]].[^][[[strikethrough]]+8|[[[strikethrough]]6.4|[[[strikethrough]]1.4|7.8|[[[strikethrough]]6.2|[[[strikethrough]].[^][[[strikethrough]]6.1|[[[strikethrough]]5.2|[[[symbol - check mark]]
0|36|+74.2|27|0|36.2[^][[[[^]]]]+74[^][[[[^]]]|12|5.5|. | |
|6.4|[[[strikethrough]]1.4|7.8|[[[strikethrough]]6.2|[[[strikethrough]].[^][[[strikethrough]]6.1|[[[strikethrough]].5.2|[[[symbol - check mark]]
0|28|+59.6|84|0|28.3[^][[[[^]]]]+59[^][[[[^]]]|31|6.0|. | |
|6.5|[[[strikethrough]].7|7.2|[[[strikethrough]]5.6|[[[strikethrough]].[^][[[strikethrough]]5.5|[[[strikethrough]].5.3|[[[symbol - check mark]]
23|50|+59.2|279.5|23|50.3[^][[[[^]]]]+59[^][[[[^]]]|13|6.7|. | |
|6.8|[[[strikethrough]].7|7.5|[[[strikethrough]]5.0|[[[strikethrough]].[^][[[strikethrough]]5.8|[[[strikethrough]].5.6|[[[symbol - check mark]]
[[[strikethrough]]23|[[[strikethrough]][^]23|[[[strikethrough]]49.8|[[[strikethrough]]h]][^]33|[[[strikethrough]]+54.9|[[[strikethrough]][^]+74.5|[[[strikethrough]]3076|[[[strikethrough]][^]1032|[[[strikethrough]]23|[[[strikethrough]][^]23|[[[strikethrough]]49.9|[[[strikethrough]][^]33.1[^][[[[^]]]|[[[strikethrough]]+54|[[[strikethrough]][^]+74[^][[[[^]]]|[[[strikethrough]]55|[[[strikethrough]][^]28|[[[strikethrough]]6.0|[[[strikethrough]][^]6.5|. | |
|6.5|[[[strikethrough]].6|7.1|[[[strikethrough]]5.6|[[[strikethrough]].[^][[[strikethrough]]5.5|[[[strikethrough]].55|.5.3|[[[symbol - check mark]]
23|23|+74.4|1022|23[^][[[[^]]]|23.3[^][[[[^]]]]+74[^][[[[^]]]|26|7.0|. | |
|6.7|[[[strikethrough]]1.4|8.1|[[[strikethrough]]6.5|[[[strikethrough]].[^][[[strikethrough]]6.4|[[[strikethrough]].5.5|[[[symbol - check mark]]
23|12|+74.6|1016|23|12.3[^][[[[^]]]]+74[^][[[[^]]]|31|6.6|. | |
|6.8|[[[strikethrough]]1.4|8.2|[[[strikethrough]]6.6|[[[strikethrough]].[^][[[strikethrough]]6.5|[[[strikethrough]].5.6|[[[symbol - check mark]]
23|3|+74.6|1006|23|3.3[^][[[[^]]]]+74[^][[[[^]]]|36|4.6|. | | |[[[underline]]6.2-
6.4|[[[underline]]|[[[strikethrough]]1.4|[[[underline]]7.6-
7.8|[[[underline]]|[[[strikethrough]]|[[[underline]]6.0|[[[strikethrough]]-
6.2...|[[[underline]][^][[[strikethrough]]|[[[underline]]5.9
6.1|[[[strikethrough]]|[[[underline]]|[[[underline]]5.2|[[[underline]].[^][[[underline]]5.0|[[[underline]]|[[[symbol - right bracket]]|[[[symbol - check mark]]
23|51.9|+54.9|3082|23|51.7[^][[[[^]]]]+54[^][[[[^]]]|57|5.0|4237|5.0|12|[[[strikethrough]]-4|[[[strikethrough]].[^][[[strikethrough]]-
3|[[[strikethrough]]5.6|[[[strikethrough]].6|6.2|[[[strikethrough]]4.6|[[[strikethrough]].[^][[[strikethrough]]4.7|[[[strikethrough]]4.4|[[[symbol - check mark]].
23|54|+60.4|2654|23|54.3[^][[[[^]]]]+60[^][[[[^]]]|24|6.0|. | |
|6.4|[[[strikethrough]].8|7.2|[[[strikethrough]]5.6|[[[strikethrough]].[^][[[strikethrough]]5.5|[[[strikethrough]].5.2|[[[symbol - check mark]].
23|54|+65.3|1987|23|55.2[^][[[[^]]]]+65[^][[[[^]]]|17|6.3|. | |
|6.7|[[[strikethrough]].9|[[[strikethrough]]6|[[[strikethrough]].6[^]7|[[[strikethrough]]6.0|[[[strikethrough]].[^][[[strikethrough]]5.9|[[[strikethrough]]5.5|[[[symbol - check mark]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

22

October 13, 1886.

Plate 186.

V|H|Type|No Remarks|No Lines|K|Focus|Other Lines

15.0|16.0|||3 4|N|1|1| - -

14.5|15.2|||4|N|1| -

16.1|6.3|||~~5~~|~~6~~|N|2| -

15.9|6.1|||3|N|1| -

14.9|5.2|?|~~0~~|~~6~~?|N|4| -

14.2|12.1|||6|N|2| -

14.0|11.9|||4|N|1| -

13.8|13.1|||6|N|2| -

13.5|11.6|||4|N|2| -

13.8|8.1|||b.c.25|~~4~~|~~2~~|K=1.5H|4|Bright Lines.

13.6|6.7|||5|N|1| -

13.3|7.7|||4 5|~~N~~|~~K=H~~|1|1| - -

13.4|14.2|||4|N|1| -

13.5|14.6|||3 4|N|K=H|1|1| - -

13.2|15.5|||~~5~~|~~6~~|N|2| -

13.4|15.9|||4|~~N~~|~~K=H~~|1| -

13.0|16.3|||

|~~5~~|~~6~~|~~N~~|~~K=~~
4H|2| -

III[^]|[2].

6.7.7.0|13.1|14.4|III[^]|[a]|26|~~3~~|~~2~~|K=H|1|seen.

13.0|18.0|||4|N?|2| -

13.6|21.0|I[^]|[b]|27|5|N|2|seen.

12.4|20.7|~~?~~|~~II[^]~~|~~[ba]~~|28|~~4~~|~~?~~|~~K=H~~|2|seen.

12.0|18.2|||

|~~3~~|~~4~~|~~N~~|~~K=~~
H|1| -

11.9|19.5|III|b.c

29|~~8~~|~~2~~|~~K=H~~|
h|K=1.2H.|3|bright lines.

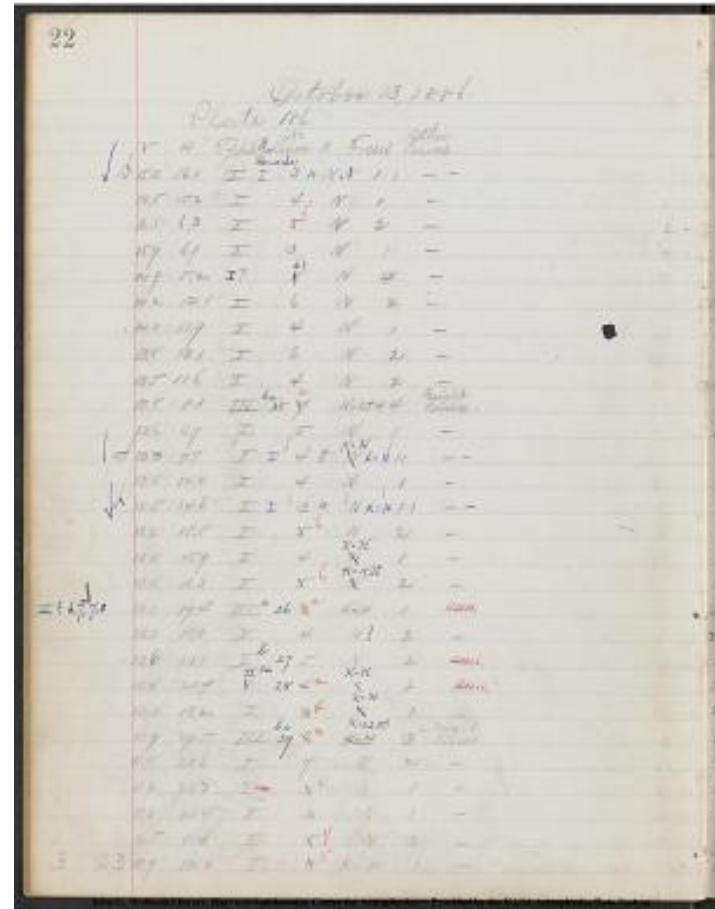
11.8|20.6|||7|N|2| -

11.3|20.3|||~~3~~|~~4~~|N|1| -

11.0|20.4|||3|N|1| -

11.5|11.4|||~~5~~|~~7~~|N|3| -

3 23|10.9|12.0|||~~4~~|~~5~~|K=H|1| -



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

No. N. A. Dec. 1842		No.	
1	4 1853 m. a. m. de 19. 31.	737	18 22 1/2
2	10 1853 7 a. m. 100 m. 100.	68	18 13 1/2
3	20 1853 m. a. m. 100 m. 100.	59	18 11 1/2
4	20 1853 m. a. m. 100 m. 100.	72	18 11 1/2
5	20 1853 m. a. m. 100 m. 100.	58	18 11 1/2
6	20 1853 m. a. m. 100 m. 100.	61	18 11 1/2
7	20 1853 m. a. m. 100 m. 100.	64	18 11 1/2
8	20 1853 m. a. m. 100 m. 100.	65	18 11 1/2
9	20 1853 m. a. m. 100 m. 100.	66	18 11 1/2
10	20 1853 m. a. m. 100 m. 100.	67	18 11 1/2
11	20 1853 m. a. m. 100 m. 100.	68	18 11 1/2
12	20 1853 m. a. m. 100 m. 100.	69	18 11 1/2
13	20 1853 m. a. m. 100 m. 100.	70	18 11 1/2
14	20 1853 m. a. m. 100 m. 100.	71	18 11 1/2
15	20 1853 m. a. m. 100 m. 100.	72	18 11 1/2
16	20 1853 m. a. m. 100 m. 100.	73	18 11 1/2
17	20 1853 m. a. m. 100 m. 100.	74	18 11 1/2
18	20 1853 m. a. m. 100 m. 100.	75	18 11 1/2
19	20 1853 m. a. m. 100 m. 100.	76	18 11 1/2
20	20 1853 m. a. m. 100 m. 100.	77	18 11 1/2
21	20 1853 m. a. m. 100 m. 100.	78	18 11 1/2
22	20 1853 m. a. m. 100 m. 100.	79	18 11 1/2
23	20 1853 m. a. m. 100 m. 100.	80	18 11 1/2
24	20 1853 m. a. m. 100 m. 100.	81	18 11 1/2
25	20 1853 m. a. m. 100 m. 100.	82	18 11 1/2
26	20 1853 m. a. m. 100 m. 100.	83	18 11 1/2
27	20 1853 m. a. m. 100 m. 100.	84	18 11 1/2
28	20 1853 m. a. m. 100 m. 100.	85	18 11 1/2
29	20 1853 m. a. m. 100 m. 100.	86	18 11 1/2
30	20 1853 m. a. m. 100 m. 100.	87	18 11 1/2
31	20 1853 m. a. m. 100 m. 100.	88	18 11 1/2
32	20 1853 m. a. m. 100 m. 100.	89	18 11 1/2
33	20 1853 m. a. m. 100 m. 100.	90	18 11 1/2
34	20 1853 m. a. m. 100 m. 100.	91	18 11 1/2
35	20 1853 m. a. m. 100 m. 100.	92	18 11 1/2
36	20 1853 m. a. m. 100 m. 100.	93	18 11 1/2
37	20 1853 m. a. m. 100 m. 100.	94	18 11 1/2
38	20 1853 m. a. m. 100 m. 100.	95	18 11 1/2
39	20 1853 m. a. m. 100 m. 100.	96	18 11 1/2
40	20 1853 m. a. m. 100 m. 100.	97	18 11 1/2
41	20 1853 m. a. m. 100 m. 100.	98	18 11 1/2
42	20 1853 m. a. m. 100 m. 100.	99	18 11 1/2
43	20 1853 m. a. m. 100 m. 100.	100	18 11 1/2

rough]]5.8[[/strikethrough]].|5.5[[symbol - checkmark]]
0|3|+56.4|11|0|2.9|+56|2|6.7|_ |
|6.5|[[strikethrough]].6|7.1|[[strikethrough]]5.5[[/strikethrough]]...^[[strikethrough]]5.4[[/strikethrough]].|5.3[[symbol - checkmark]]
23|54|+66.4|1679|23|57.2^[[^]]+66^[[^]]|21|6.0|_ | |6.7-
7.0|[[strikethrough]]1.0|[[underline]]7.7-
8.0|[[/underline]]|[[strikethrough]]6.1-
6.4|[[/strikethrough]].....^[[strikethrough]]6.0-6.3[[/strikethrough]]5.8
.^5.5[[symbol - right hand bracket]]|[[symbol - checkmark]]
23|56|+61.4|2586|23|56.8^[[^]]+61^[[^]]29|5.6|_ | |
|6.5|[[strikethrough]].8|7.3|[[strikethrough]]5.7[[/strikethrough]]...^[[strikethrough]]5.6[[/strikethrough]].|5.3[[symbol - checkmark]]
23|39|+66.9|1943|23|39.4^[[^]]+65^[[^]]|58|6.3|4199|6.0|14|[[strikethrough]]-2[[/strikethrough]]...^[[strikethrough]]-
3[[/strikethrough]]|6.4|[[strikethrough]]1.0|7.4|[[strikethrough]]5.8[[/strikethrough]]...^[[strikethrough]]5.7[[/strikethrough]].|5.2[[symbol - checkmark]]
23|47|+56.7|3111|23|47.2^[[^]]+56^[[^]]|41|5.0|_ | |
|6.3|[[strikethrough]].7|7.0|[[strikethrough]]5.4[[/strikethrough]]...^[[strikethrough]]5.3[[/strikethrough]].|5.1[[symbol - checkmark]]
23|45|+76.8|934|23|45.0^[[^]]+76^[[^]]|48|6.9|_ | |
|6.9|[[strikethrough]]1.6|8.5|[[strikethrough]]6.9[[/strikethrough]]...^[[strikethrough]]6.8[[/strikethrough]].|5.7[[symbol - checkmark]]
23|33|+76.8|928|23|33.4^[[^]]+76^[[^]]|50|3.5|_ | |5.5-
5.8|[[strikethrough]]1.6|[[underline]]7.1-
7.4|[[/underline]]|[[strikethrough]]5.5-
5.8|[[/strikethrough]].....^[[strikethrough]]5.4-5.7[[/strikethrough]]4.6
.^4.3[[symbol - right hand bracket]]|[[symbol - checkmark]]
23|41|+67.0|1562|23|41.0^[[^]]+67^[[^]]|0|5.5|4204|5.1|18|[[strikethrough]]+2[[/strikethrough]]...^[[strikethrough]]+1[[/strikethrough]]5.9|[[strikethrough]]1.0|6.9|[[strikethrough]]5.3[[/strikethrough]]...^[[strikethrough]]5.2[[/strikethrough]]|4.7. |[[symbol - checkmark]]
23|26|+77.0|909|23|26.2^[[^]]+77^[[^]]|0|6.8|. | |
|6.7|[[strikethrough]]1.6|8.3|[[strikethrough]]6.7[[/strikethrough]]...^[[strikethrough]]6.6[[/strikethrough]].|5.5. |[[symbol - checkmark]]
23|25|+77.1|908|23|25.2^[[^]]+77^[[^]]|5|7.0|. | |
|7.0|[[strikethrough]]1.6|8.6|[[strikethrough]]7.0[[/strikethrough]]...^[[strikethrough]]6.9[[/strikethrough]]|[[/strikethrough]] |5.8. |[[symbol - checkmark]]
0|25|+62.1|102|0|24.8^[[^]]+62|8^[[^]]|4.5|71|4.2|17|[[strikethrough]]+1[[/strikethrough]]...^[[strikethrough]]+0[[/strikethrough]]5.1|[[strikethrough]]5.9|[[strikethrough]]4.3[[/strikethrough]]...^[[strikethrough]]4.2[[/strikethrough]]|[[/strikethrough]].|3.9|[[symbol - checkmark]]
0|41|+77.2|27|0|40.5^[[^]]+77^[[^]]|10|6.7|_ | |
|6.9|[[strikethrough]]1.6|8.5|[[strikethrough]]6.9[[/strikethrough]]...^[[strikethrough]]6.8[[/strikethrough]]|[[/strikethrough]].|5.7[[symbol - checkmark]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

October 14, 1886

Plate 186

8 45

8 45

[8 columned table]

[V|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines|

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

11.0|6.2|II?|~~[[a]]~~|30|5|~~[[a]]~~|21

K=H|~~[[a]]~~|K=1.5H|3|

10.6|17.5|~~[[a]]~~|~~[[a]]~~|31|4|~~[[a]]~~|2|?~~[[a]]~~|

K=H|1|

10.5|17.9|~~[[a]]~~|~~[[a]]~~|32|4|~~[[a]]~~|21|N|~~[[a]]~~|

K=H|1|

9.2|7|~~[[a]]~~|4|~~[[a]]~~|5|N|1|

9.4|8.1|~~[[a]]~~|4|~~[[a]]~~|5|N|1|

9.2|4.9|~~[[a]]~~|~~[[a]]~~|33|2|N|~~[[a]]~~|K=H|1|

9|8.7|~~[[a]]~~|2|~~[[a]]~~|4|N|~~[[a]]~~|K=H|1|

8.5|9.1|~~[[a]]~~|~~[[a]]~~|34|2|~~[[a]]~~|

h|2|N|~~[[a]]~~|K=H|1|

9.7|17.2|~~[[a]]~~|~~[[a]]~~|4|~~[[a]]~~|5|N|1|

9.2|

16.7|~~[[a]]~~|~~[[a]]~~|~~[[a]]~~|35|~~[[a]]~~|121|~~[[a]]~~|

ethrough|21|K=H|5|F. seen|

9.1|17.4|~~[[a]]~~|

~~[[a]]~~|5|~~[[a]]~~|6|N^~~[[a]]~~|11|~~[[a]]~~|

1|-|

9.5|20.8|~~[[a]]~~|4|N?|1|-|

10.0|22.5|~~[[a]]~~|2|~~[[a]]~~|N|~~[[a]]~~|K=H|1|seen|

8.5|5.5|~~[[a]]~~|~~[[a]]~~|5|~~[[a]]~~|6|N|2|-|

8.3|7.8|~~[[a]]~~|~~[[a]]~~|~~[[a]]~~|~~[[a]]~~|36|~~[[a]]~~|5|~~[[a]]~~|

ethrough|21|~~[[a]]~~|?~~[[a]]~~|K=H|1|seen|

8.0|16.3|~~[[a]]~~|6|K=5H|1|-|

7.5|21.8|~~[[a]]~~|4|N|1|-|

7.1|20.8|~~[[a]]~~|3|N|1|-|

7.5|19.7|~~[[a]]~~|3|N|1|-|

7.1|14.8|~~[[a]]~~|37|5|N|2|seen|

7.4|11.4|~~[[a]]~~|5|N?|2|seen|

7.1|10.7|~~[[a]]~~|

~~[[a]]~~|6|~~[[a]]~~|7|~~[[a]]~~|N|~~[[a]]~~|K=.2

H|2|-|

7.5|9.2|~~[[a]]~~|~~[[a]]~~|4|~~[[a]]~~|5|N|1|-|

7.7|7.4|~~[[a]]~~|5|N|1|-|

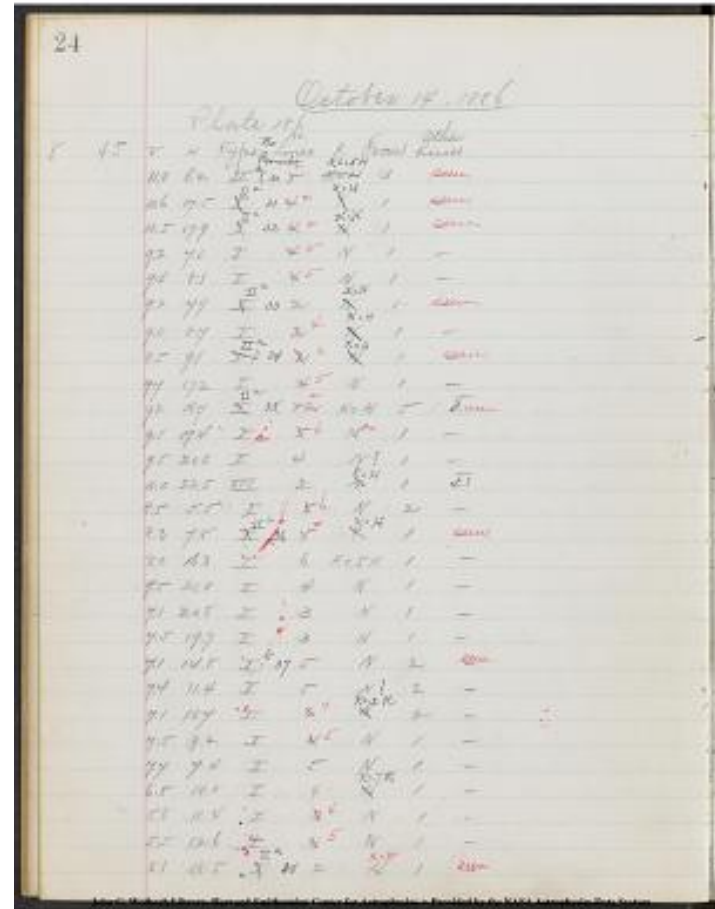
6.5|10.0|~~[[a]]~~|4|~~[[a]]~~|N|~~[[a]]~~|K=.7H|1|-|

5.8|11.4|~~[[a]]~~|3|~~[[a]]~~|4|N|1|-|

5.5|12.6|~~[[a]]~~|4|~~[[a]]~~|5|N|1|-|

5.1|18.5|~~[[a]]~~|~~[[a]]~~|~~[[a]]~~|38|2|~~[[a]]~~|N|~~[[a]]~~|

trikethrough|K=H|1|seen|



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

No.	R.A.	Dec.	Magn.	Ref.
1	0 55 + 57 00	0 55 00	12.5	12.5
2	0 55 + 57 00	0 55 00	12.5	12.5
3	0 55 + 57 00	0 55 00	12.5	12.5
4	0 55 + 57 00	0 55 00	12.5	12.5
5	0 55 + 57 00	0 55 00	12.5	12.5
6	0 55 + 57 00	0 55 00	12.5	12.5
7	0 55 + 57 00	0 55 00	12.5	12.5
8	0 55 + 57 00	0 55 00	12.5	12.5
9	0 55 + 57 00	0 55 00	12.5	12.5
10	0 55 + 57 00	0 55 00	12.5	12.5
11	0 55 + 57 00	0 55 00	12.5	12.5
12	0 55 + 57 00	0 55 00	12.5	12.5
13	0 55 + 57 00	0 55 00	12.5	12.5
14	0 55 + 57 00	0 55 00	12.5	12.5
15	0 55 + 57 00	0 55 00	12.5	12.5
16	0 55 + 57 00	0 55 00	12.5	12.5
17	0 55 + 57 00	0 55 00	12.5	12.5
18	0 55 + 57 00	0 55 00	12.5	12.5
19	0 55 + 57 00	0 55 00	12.5	12.5
20	0 55 + 57 00	0 55 00	12.5	12.5
21	0 55 + 57 00	0 55 00	12.5	12.5
22	0 55 + 57 00	0 55 00	12.5	12.5
23	0 55 + 57 00	0 55 00	12.5	12.5
24	0 55 + 57 00	0 55 00	12.5	12.5
25	0 55 + 57 00	0 55 00	12.5	12.5
26	0 55 + 57 00	0 55 00	12.5	12.5
27	0 55 + 57 00	0 55 00	12.5	12.5
28	0 55 + 57 00	0 55 00	12.5	12.5
29	0 55 + 57 00	0 55 00	12.5	12.5
30	0 55 + 57 00	0 55 00	12.5	12.5
31	0 55 + 57 00	0 55 00	12.5	12.5
32	0 55 + 57 00	0 55 00	12.5	12.5
33	0 55 + 57 00	0 55 00	12.5	12.5
34	0 55 + 57 00	0 55 00	12.5	12.5
35	0 55 + 57 00	0 55 00	12.5	12.5
36	0 55 + 57 00	0 55 00	12.5	12.5
37	0 55 + 57 00	0 55 00	12.5	12.5
38	0 55 + 57 00	0 55 00	12.5	12.5
39	0 55 + 57 00	0 55 00	12.5	12.5
40	0 55 + 57 00	0 55 00	12.5	12.5
41	0 55 + 57 00	0 55 00	12.5	12.5
42	0 55 + 57 00	0 55 00	12.5	12.5
43	0 55 + 57 00	0 55 00	12.5	12.5
44	0 55 + 57 00	0 55 00	12.5	12.5
45	0 55 + 57 00	0 55 00	12.5	12.5
46	0 55 + 57 00	0 55 00	12.5	12.5
47	0 55 + 57 00	0 55 00	12.5	12.5
48	0 55 + 57 00	0 55 00	12.5	12.5
49	0 55 + 57 00	0 55 00	12.5	12.5
50	0 55 + 57 00	0 55 00	12.5	12.5
51	0 55 + 57 00	0 55 00	12.5	12.5
52	0 55 + 57 00	0 55 00	12.5	12.5
53	0 55 + 57 00	0 55 00	12.5	12.5
54	0 55 + 57 00	0 55 00	12.5	12.5
55	0 55 + 57 00	0 55 00	12.5	12.5
56	0 55 + 57 00	0 55 00	12.5	12.5
57	0 55 + 57 00	0 55 00	12.5	12.5
58	0 55 + 57 00	0 55 00	12.5	12.5
59	0 55 + 57 00	0 55 00	12.5	12.5
60	0 55 + 57 00	0 55 00	12.5	12.5
61	0 55 + 57 00	0 55 00	12.5	12.5
62	0 55 + 57 00	0 55 00	12.5	12.5
63	0 55 +			

|6.5|.7|7.2|~~5.6~~~~5.5~~
 23 42 +59.2|2777|23|41.8|+59
 10|6.5|.7|.0|.7|7.7|~~6.1~~~~6.0~~
 |~~5.8~~
 23 13 +79.1|777|23 13.9|+79
 6|7.8|.7|.4|1.7|9.1|~~7.5~~~~7.4~~
 |~~6.2~~
 23 50 +59.2|2795|23 50.3|+59
 13|6.7|.6|.9|.7|7.6|~~6.0~~~~5.9~~
 |~~5.7~~
 0 18 +79.2|10|0 17.9|+79
 14|7.0|.6|.8|1.8|8.6|~~7.0~~~~6.~~
 9|~~5.6~~
 0 22 +59.2|68|0 22.3|+59 10|6.0|
 |6.7|.7|7.4|~~5.8~~~~5.7~~
 |~~5.5~~
 1 0 +78.9|34|1
 |~~0.0~~~~1~~~~0~~+
 78 54|5.6|-
 |6.3|1.8|8.1|~~6.5~~~~6.4~~
 |~~5.1~~
 0 30.5 +59.0|92|0 30.6|+59
 1|6.5|.6|.8|.7|7.5|~~5.9~~~~5.8~~
 |~~5.6~~
 0 52 +68.6|64|0 52.0|+68
 34|7.0|.7|.0|1.1|8.1|~~6.5~~~~6.~~
 4|~~5.8~~
 0 28 +59.5|84|0 28.3|+59 31|6.0|-
 |6.7|.7|7.4|~~5.8~~~~5.7~~
 |~~5.5~~
 0 32 +69.9|32|0 31.6|+69
 5.5|7.0|.7|.2|1.2|8.4|~~6.8~~~~6.~~
 7|~~6.0~~
 0 24 +70.2|24|0 24.8|+70
 10|6.2|.6|.8|1.2|8.0|~~6.4~~~~6.~~
 3|~~5.6~~
 23 54 +60.4|2657|23 54.3|+60 24|6.0|-
 |~~0 54+60.5|157|0 54.7|+60 18|6.5|-~~
 |~~6.9|.8|7.7|6.1~~~~5.7~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 14, 1886

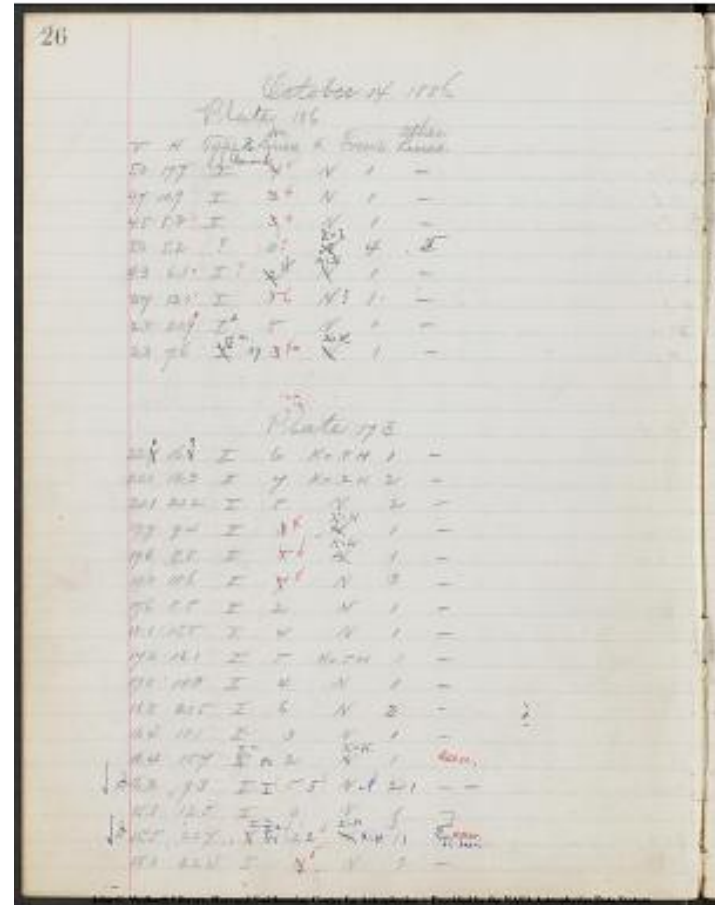
Plate 186

v	H	Type	^[[No. Remark]	No. Lines	K	Focus	Other Lines
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31
32	32	32	32	32	32	32	32
33	33	33	33	33	33	33	33
34	34	34	34	34	34	34	34
35	35	35	35	35	35	35	35
36	36	36	36	36	36	36	36
37	37	37	37	37	37	37	37
38	38	38	38	38	38	38	38
39	39	39	39	39	39	39	39
40	40	40	40	40	40	40	40
41	41	41	41	41	41	41	41
42	42	42	42	42	42	42	42
43	43	43	43	43	43	43	43
44	44	44	44	44	44	44	44
45	45	45	45	45	45	45	45
46	46	46	46	46	46	46	46
47	47	47	47	47	47	47	47
48	48	48	48	48	48	48	48
49	49	49	49	49	49	49	49
50	50	50	50	50	50	50	50
51	51	51	51	51	51	51	51
52	52	52	52	52	52	52	52
53	53	53	53	53	53	53	53
54	54	54	54	54	54	54	54
55	55	55	55	55	55	55	55
56	56	56	56	56	56	56	56
57	57	57	57	57	57	57	57
58	58	58	58	58</			

5.0 17.7 | | [[\s\kern0.08em]]4[[\s\kern0.08em]]^[[\s\kern0.08em]]5 | N | 1 | -
4.7 10.9 | | [[\s\kern0.08em]]3[[\s\kern0.08em]]^[[\s\kern0.08em]]4 | N | 1 | -
4.5 8.3 | | [[\s\kern0.08em]]3[[\s\kern0.08em]]^[[\s\kern0.08em]]4 | N | 1 | -
5.0 5.2 | ? | 0^[[\s\kern0.08em]]? | [[\s\kern0.08em]]N[[\s\kern0.08em]]^[[\s\kern0.08em]]K=? | 4 | -
[[\s\kern0.08em]]F |
4.3 6.1 | I^[[\s\kern0.08em]]? | [[\s\kern0.08em]]2[[\s\kern0.08em]]^[[\s\kern0.08em]]4 |
[[\s\kern0.08em]]N[[\s\kern0.08em]]^[[\s\kern0.08em]]K=H | 1 | -
3.7 13.0 | | [[\s\kern0.08em]]5[[\s\kern0.08em]]^[[\s\kern0.08em]]6 | N^[[\s\kern0.08em]]? | 1 | -
2.0 20.9 | I^[[\s\kern0.08em]]d | 5 | N | 1 | -
2.3 7.6 | [[\s\kern0.08em]]^[[\s\kern0.08em]]ll | 39 |
[[\s\kern0.08em]]3[[\s\kern0.08em]]^[[\s\kern0.08em]]4 |
[[\s\kern0.08em]]N[[\s\kern0.08em]]^[[\s\kern0.08em]]K=H | 1 | -

Plate 173

22.7 $[[\text{skethrough}]]7[[\text{skethrough}]]^{[[0]]} | 16.0$
 $[[\text{skethrough}]]0[[\text{skethrough}]]^{[[7]]} | | 6 | K=.8H | 1 | -$
21.1 $12.3 | | 7 | K=.2H | 2 | -$
20.1 $21.2 | | 5 | N | 2 | -$
19.9 $9.4 | | | [[\text{skethrough}]]3[[\text{skethrough}]]^{[[4]]} |$
 $[[\text{skethrough}]]N[[\text{skethrough}]]^{[[K=H]]} | 1 | -$
19.6 $8.8 | | | [[\text{skethrough}]]5[[\text{skethrough}]]^{[[6]]} |$
 $[[\text{skethrough}]]N[[\text{skethrough}]]^{[[K=H]]} | 1 | -$
19.0 $18.6 | | | [[\text{skethrough}]]7[[\text{skethrough}]]^{[[8]]} | N | 3 | -$
17.6 $8.5 | | | 2 | N | 1 | -$
18.1 $15.8 | | | 4 | N | 1 | -$
17.2 $16.1 | | 5 | K=.5H | 1 | -$
17.0 $18.8 | | 4 | N | 1 | -$
16.8 $21.5 | | 6 | N | 2 | -$
16.4 $18.1 | | 3 | N | 1 | -$
16.4 $15.7 | [[\text{skethrough}]]|[[\text{skethrough}]]^{[[1la]]} 40 | 2 |$
 $[[\text{skethrough}]]N[[\text{skethrough}]]^{[[K=H]]} | 1 | - ^{[[seen]]}$
16.2 $9.3 | ^{[[1]]} | 5 ^{[[5]]} | N ^{[[N]]} | 2 ^{[[1]]} | -$
15.8 $12.5 | | 3 | N | 1 | -$
15.5 $22.7 | [[\text{skethrough}]]|[[\text{skethrough}]]^{[[1la]]} ^{[[1la]]} 41 | 2 ^{[[2]]} |$
 $[[\text{skethrough}]]N[[\text{skethrough}]]^{[[K=H]]} ^{[[K=H]]} | 1 ^{[[1]]} | - ^{[[F]]}$
 $^{[[F?]]} ^{[[seen]]}$
15.0 $22.4 | | | [[\text{skethrough}]]4[[\text{skethrough}]]^{[[5]]} | N | 2 | -$



Project PhAEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

27
Mean 12

[No. | R.A. | DEG. | MAG. | Brc.]

[margin] 23 57 + 60.5 [margin] 2667 | 23 | 57.6 | +60 31 | 6.0 | 4258
6.015 | ~~1~~ ~~1~~ ~~1~~
2~~[[\strikethrough]]^~~ ~~[-1]]~~ | 6.7 | .8 | 7.5 |
~~[[\strikethrough]]5.9~~ ~~[[\strikethrough]]~~ ~~[[\strikethrough]]5.8~~ |
5.5[~~symbol-checkmark~~]

[margin] 1 6 + 80.1 [margin] 36 | 1 | 6.2 | +80 8 | 6.7 | . | 6.8 | 1.9 | 8.7 |
~~[[\strikethrough]]7.1~~ ~~[[\strikethrough]]~~ ~~[[\strikethrough]]7.0~~ |
5.6[~~symbol-checkmark~~]

[margin] 0 50 + 70.2 [margin] 65 | 0 | 50.8 | +70 13 | 6.5 | . | 7.1 | 1.2 |
8.3 | ~~[[\strikethrough]]6.7~~ ~~[[\strikethrough]]~~
~~[[\strikethrough]]6.6~~ ~~[[\strikethrough]]~~ | 5.9[~~symbol-checkmark~~]

[margin] 0 48 + 59.9 [margin] 144 | 0 | 48.0 | +59 56 | 2.3 | _ |
4.8 | .8 | 5.6 | ~~[[\strikethrough]]4.0~~ ~~[[\strikethrough]]~~
~~[[\strikethrough]]3.9~~ ~~[[\strikethrough]]~~ | 3.6 [~~symbol-checkmark~~]

[margin] 0 44 + 60.3 [margin] 124 | 0 | 44.5 | +60 19 | 5.0 | _ |
6.7 | .8 | 7.5 | ~~[[\strikethrough]]5.9~~ ~~[[\strikethrough]]~~
~~[[\strikethrough]]5.8~~ ~~[[\strikethrough]]~~ | 5.5 [~~symbol-checkmark~~]

[margin] 0 16.8 + 61.0 [margin] 69 | 0 | 16.8 | +61 2 | 6.1 | | 6.4 | .8 |
7.2 | ~~[[\strikethrough]]5.6~~ ~~[[\strikethrough]]~~
~~[[\strikethrough]]5.5~~ ~~[[\strikethrough]]~~ | 5.2[~~symbol-checkmark~~]

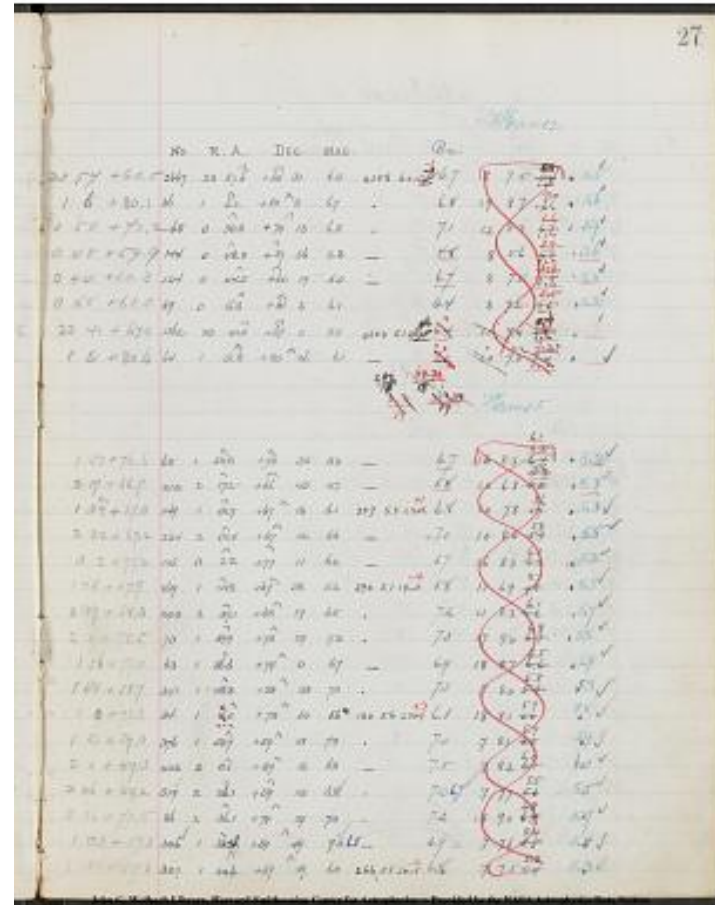
[margin] 23 41 + 67.0 [margin] 1562 | 23 | 41.0 | +67 0 | 55 | 4204
5.123+7 ~~[[\strikethrough]]23+7~~ ~~[[\strikethrough]]^~~ ~~[[\strikethrough]]~~
+6~~[[\strikethrough]]~~ | 6.4 ~~[[\strikethrough]]~~
1.0 ~~[[\strikethrough]]~~ | 7.4 |
~~[[\strikethrough]]5.8~~ ~~[[\strikethrough]]~~ ~~[[\strikethrough]]5.7~~ ~~[[\strikethrough]]~~ |
_ [~~symbol-checkmark~~]

[margin] 1 51 + 80.6 [margin] 64 | 1 | 51.8 | +80 36 | 6.1 | |
7.0 ~~[[\strikethrough]]~~ ~~[[\strikethrough]]~~ | 2.0 ~~[[\strikethrough]]~~ | 9.0 |
~~[[\strikethrough]]7.4~~ ~~[[\strikethrough]]~~ ~~[[\strikethrough]]7.3~~ ~~[[\strikethrough]]~~ |
_ [~~symbol-checkmark~~]

292/18 34-38/18 ~~[[\strikethrough]]315/19~~ ~~[[\strikethrough]]~~
~~[[\strikethrough]]13-39/19~~ ~~[[\strikethrough]]~~

Mean 15

[margin] 1 50 + 76.6 [margin] 63 | 1 | 50.8 | +76 35 | 5.3 | _ | |
6.7 | ~~[[\strikethrough]]1.6~~ ~~[[\strikethrough]]~~ |
~~[[\strikethrough]]8.3~~ ~~[[\strikethrough]]~~ | ~~[[\strikethrough]]6.7~~ ~~[[\strikethrough]]~~
~~[[\strikethrough]]6.2~~ ~~[[\strikethrough]]~~ | 6.1 |



5.2✓

margin 2 17 + 66.7 margin 213 | 2 | 17.2 | +66 45 | 4.7 | _ | |
5.8 | ~~1.0~~ |
~~6.8~~ | ~~5.2~~ |
~~4.7~~ | 4.6 |
4.3✓

margin 1 ~~34~~ ~~32~~ + 67.3 margin 149 | 1 |
31.7 | +67 18 | 6.1 | 257 | 5.5 | 23 ~~1~~ +2 |
6.8 | ~~1.0~~ |
~~7.8~~ | ~~5.7~~ |
~~5.6~~ | 5.3✓

margin 2 32 + 67.2 margin 224 | 2 | 32.4 | +67 12 | 6.6 | _ | | 7.0 |
~~1.0~~ | ~~8.0~~ |
~~5.9~~ | ~~5.8~~ |
5.5✓

margin 3 2 + 77.2 margin 115 | 3 | 2.2 | +77 11 | 6.2 | _ | | 6.7 |
~~1.6~~ | ~~8.3~~ |
~~6.2~~ | ~~6.1~~ |
5.2✓

margin 1 45 + 67.9 margin 169 | 1 | 44.8 | +67 58 | 5.2 | 290 | 5.1 | 18
~~3~~ ~~4~~ | 5.8 |
~~1.1~~ | ~~6.9~~ |
~~4.8~~ | ~~4.7~~ |
4.3✓

margin 2 39 + 68.3 margin 200 | 2 | 39.1 | +68 17 | 6.5 | . | | 7.2 |
~~1.1~~ | ~~8.3~~ |
~~6.2~~ | ~~6.1~~ |
5.7✓

margin 2 0 + 78.5 margin 73 | 1 | 59.9 | +78 29 | 7.3 | . | | 7.3 |
~~1.7~~ | ~~9.0~~ |
~~6.9~~ | ~~6.8~~ |
5.8✓

margin 1 56 + 79.0 margin 63 | 1 | 56.6 | +79 0 | 6.7 | _ | | 6.9 |
~~1.8~~ | ~~8.7~~ |
~~6.6~~ | ~~6.5~~ |
5.4✓

margin 1 48 + 58.9 margin 341 | 1 | 48.3 | +58 55 | 7.0 | . | | 7.3 |
~~7~~ | ~~8.0~~ |
~~5.9~~ | ~~5.8~~ |
5.8✓

margin 1 0 + 78.8 margin 34 | 1 | ~~0.0~~ |
~~1.0~~ ... | +78 54 | 5.6 | 180 | 5.6 | 25
~~3~~ +4 | 6.3 |
~~1.8~~ | ~~8.1~~ |
~~6.0~~ | ~~5.9~~ |
4.8✓

[margin] 1 51 + 59.3[margin] 376 | 1 | 50.7 | +59 15 | 7.0 | . | | | 7.4 |
[[\striketrough]]7[[\striketrough]] | [[\striketrough]]8.1[[\striketrough]] |
[[\striketrough]]6.0[[\striketrough]] [[\striketrough]]5.9[[\striketrough]] |
5.9[symbol-checkmark]

[margin] 2 0 + 59.3[margin] 422 | 2 | 0.1 | +59 18 | 6.8 | _ | | | 7.5 |
[[\striketrough]]7[[\striketrough]] | [[\striketrough]]8.2[[\striketrough]] |
[[\striketrough]]6.1[[\striketrough]] [[\striketrough]]6.0[[\striketrough]] |
6.0[symbol-checkmark]

[margin] 2 26 + 59.2[margin] 519 | 2 | 26.1 | +59 13 | 6.8 | . | | | 7.0 | 6.7
[[\striketrough]]7[[\striketrough]] | [[\striketrough]]7.7[[\striketrough]] |
[[\striketrough]]5.6[[\striketrough]] [[\striketrough]]5.5[[\striketrough]] |
5.5[symbol-checkmark]

[margin] 2 36 + 79.5[margin] 86 | 2 | 36.1 | +79 29 | 7.0 | . | | | 7.2 |
[[\striketrough]]1.8[[\striketrough]] | [[\striketrough]]9.0[[\striketrough]] |
[[\striketrough]]6.9[[\striketrough]] [[\striketrough]]6.8[[\striketrough]] |
5.7[symbol-checkmark]

[margin] 1 33 + 59.8[margin] 306 | 1 | 32.9
[[\striketrough]]2[[\striketrough]] | +59 49 | 7.0 | 6.8 | _ | | | 6.9 |
[[\striketrough]]7[[\striketrough]] | [[\striketrough]]7.6[[\striketrough]] |
[[\striketrough]]5.5[[\striketrough]] [[\striketrough]]5.4[[\striketrough]] |
5.4[symbol-checkmark]

[margin] 1 34 + 59.8[margin] 307 | 1 | 33.6 | +59 49 | 6.0 | 266 | 5.5 | 20 | -
2[[\striketrough]]1[[\striketrough]] | 6.8 |
[[\striketrough]]7[[\striketrough]] | [[\striketrough]]7.5[[\striketrough]] |
[[\striketrough]]5.4[[\striketrough]] [[\striketrough]]5.3[[\striketrough]] |
5.3[symbol-checkmark]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

28
October 14, 1886.

[[8 column table]]

V | H | Type No. | No. Lines | Remarks | K | Focus | Other Lines

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

Remarks

15.0 | 20.6 | I | 6 | N | 3 | —

14.5 | 20.4 | I | 5 | N | 1 | —

14.7 | 18.0 | I | 4 | N | 1 | —

14.5 | 17.5 | I | ~~7~~ | K=.2 H | 4 | —

14.0 | 16.4 | I | ~~7~~ | ~~6~~ | ~~K=.2~~
H | K=.1 H | 2 | —

13.5 | 16.4 | I | 5 | ~~K=.2H~~ | K=.4H | 1 | —

13.7 | 17.8 | I | ~~3~~ | ~~4~~ | ~~N~~
K=H | 1 | —

13.5 | 18.6 | I | ~~4~~ | 5 | N | 1 | —

13.1 | 16.3 | I ? | ~~3~~ | ~~4~~ | ~~N~~
K=H | 1 | —

13.0 | 18.6 | I | 5 | N | 2 | —

12.9 | 18.2 | I | 4 | ~~N~~ | K=.7H | 1 | —

13.3 | 22.4 | I | 3 | N | 1 | —

[[symbol-check]] 14.0 | 23.4 | I | [[symbol-check]] | 4 5 [[symbol-check]] |
N N | [[symbol-check]] 1 1 | — —

13.0 | 11.9 | I | 6 | K=5H | 2 | -

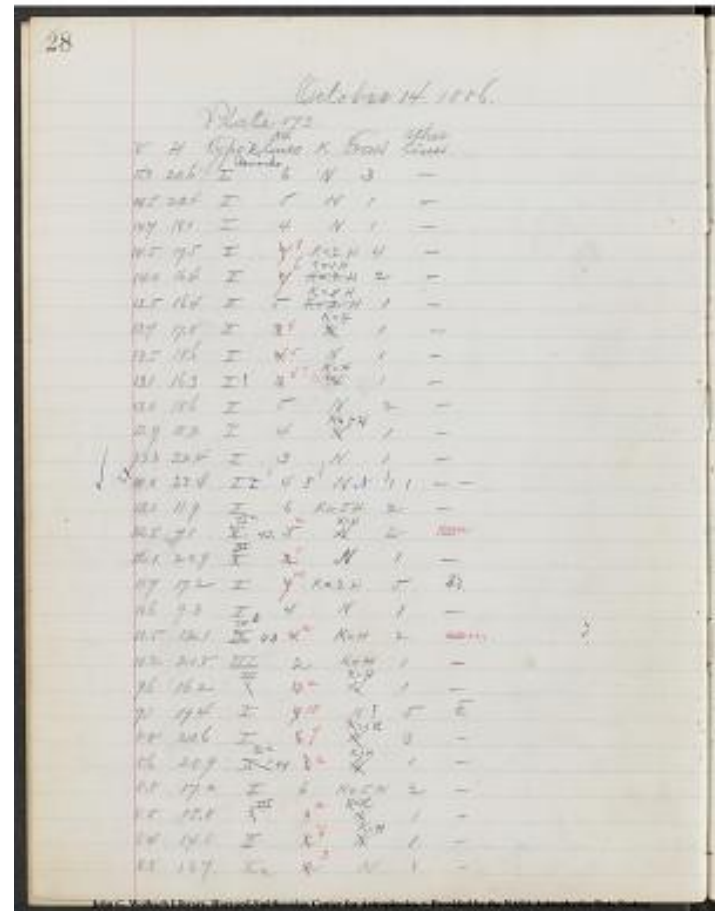
12.5 | 7.1 | ~~II~~ | ~~42~~ | ~~5~~
2 | ~~N~~ | K=H | 2 | Seen

12.1 | 20.9 | ~~III~~ | ~~2~~ | 1 | N
1 | -

11.7 | 17.2 | I | ~~9~~ | 10 | K=.2H | 5 | F?

10.6 | 9.3 | I | 4 | N | 1 | -

10.5 | 12.1 | ~~III~~ | ~~43~~ |
~~4~~ | K=H | 2 | Seen



10.2 | 20.8 | III | 2 | K=H | 1 | -

9.6 | 16.2 | ~~?~~ III | ~~3~~ 2 |
~~N~~ K=H | 1 | -

9.1 | 19.4 | I | ~~9~~ 10 | N? | 5 | F.

8.8 | 20.6 | I | ~~6~~ 7 | ~~N~~
K=.1H | 3 | -

8.6 | 20.9 | ~~I~~ ~~I~~^a 44 | ~~3~~
2 | ~~N~~ K=H | 1 | -

8.8 | 17.2 | I | 6 | K=.5H | 2 | -

8.5 | 15.8 | ~~?~~ III | ~~1~~ 2 |
~~N~~ K=H | 1 | -

8.4 | 14.0 | I | ~~2~~ 4 | ~~N~~
K=H | 1 | -

8.8 | 13.7 | I | ~~2~~ 3 | N | 1 | -

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

29
Mean 15

[[6 column table]]
| No. | R.A. | Dec. | Mag. | Br. |

[[left margin]]
1 32+69.8
[[/left margin]]
[[left margin]]
| 114 | 1 | 31.8^ | +69^52 | 5.2 | 260 | 5.1 | 19 | ~~[[/del]]~~-
2~~[[/del]]~~-3 | 5.8 | ~~[[/del]]~~1.2 | 7.0 | ~~[[/del]]~~4.9~~[[/del]]~~
4.8 ~~[[/del]]~~ 4.3 ~~[[check]]~~

[[left margin]]
1 5+80.1
[[/left margin]]
[[left margin]]
| 36 | 1 | 6.2^ | +80^8 | 6.7 | . | 6.8 ~~[[/del]]~~ 1.9 | 8.7 |
~~[[/del]]~~6.6~~[[/del]]~~ 6.5 ~~[[/del]]~~ 5.3 ~~[[check]]~~

[[left margin]]
1 35+80.2
[[/left margin]]
[[left margin]]
~~[[/del]]~~58 | 1 | 39.7 | +80^11 | 6.8 | ~~[[/del]]~~55 | 1 | 34.1^ |
+80^10 | 7.5 | 6.9 | ~~[[/del]]~~1.9 | 8.8 | ~~[[/del]]~~6.7~~[[/del]]~~ 6.6
~~[[/del]]~~5.4 ~~[[check]]~~
[[right margin]]
DM 55+80^
[[/right margin]]

[[left margin]]
1 50+70.2
[[/left margin]]
[[left margin]]
| 153 | 1 | 50.1^ | +70^11 | 4.6 | - | 5.3 | ~~[[/del]]~~1.2 | 6.5 |
~~[[/del]]~~4.4~~[[/del]]~~ 4.3 ~~[[/del]]~~ 3.8 ~~[[check]]~~

[[left margin]]
1 52+80.6
[[/left margin]]
[[left margin]]
| 64 | 1 | 51.8^ | +80^36 | 6.1 | - | 6.4 | ~~[[/del]]~~2.0 | 8.4 |
~~[[/del]]~~6.3~~[[/del]]~~ 6.2 ~~[[/del]]~~ 4.9 ~~[[check]]~~

[[left margin]]
1 53+80.7
[[/left margin]]
[[left margin]]
| 65 | 1 | 52.6^ | +80^46 | 6.7 | - | 6.9 | ~~[[/del]]~~2.0 | 8.9 |
~~[[/del]]~~6.8~~[[/del]]~~ 6.7 ~~[[/del]]~~ 5.4 ~~[[check]]~~

[[left margin]]
1 35+80.6
[[/left margin]]
[[left margin]]
| 57 | 1 | 34.9^ | +80^39 | 7.5 | - | 7.2 | ~~[[/del]]~~2.0 | 9.2 |
~~[[/del]]~~7.1~~[[/del]]~~ 7.0 ~~[[/del]]~~ 5.7 ~~[[check]]~~

[[left margin]]
1 48+60.8
[[/left margin]]
[[left margin]]
| 400 | 1 | 48.4^ | +60^50 | 7.5 | . | 6.8 | ~~[[/del]]~~.8 | 7.6 |

29

No.	R.A.	Dec.	Mag.	Br.
1	32	69.8		
1	5	80.1		
1	35	80.2		
1	50	70.2		
1	52	80.6		
1	53	80.7		
1	35	80.6		
1	48	60.8		

[[left margin]]
 1 51-71.7
 [[/left margin]]
 | 117 | 1 | 51.2^ | +71^42 | 4.0 | - | 4.9 | ~~1.3~~ | 6.2 |
~~4.1~~ ~~4.0~~ ~~3.4~~ ~~check~~

[[left margin]]
 2 29-61.9
 [[/left margin]]
 | 448 | 2 | 28.8^ | +61^58 | 7.0 | . | 6.8 | ~~.8~~ | 7.6 |
~~5.5~~ ~~5.4~~ ~~5.3~~ ~~check~~

[[left margin]]
 2 24-72.2
 [[/left margin]]
~~1~~ ~~40~~ ~~2~~ ~~1~~
~~1~~ ~~2~~ | 24.4^ | +72^10 | 5.0 | - | 6.4 6.6 } |
~~1.3~~ 7.7 7.9 | ~~5.8~~ ~~5.6~~ ~~5.7~~ ~~check~~
 | 4.9 5.1 } ~~check~~

[[left margin]]
 2 24-72.2
 [[/left margin]]
 | 86 | 1 | 27.0^ | +72^17 | 5.2 | - | 6.5 6.7 } | ~~1.3~~ 7.8 8.0 |
~~5.7~~ 5.9 ~~5.6~~ ~~5.8~~ ~~5.0~~ ~~5.2~~ ~~check~~

[[left margin]]
 1 56-82.8
 [[/left margin]]
 | 51 | 1 | 55.1^ | +82^17 | 5 ~~3~~ ~~2~~ | 7.0 | - | 7.0 7.3 } |
~~2.2~~ 9.2 9.5 | ~~7.1~~ 7.4 ~~7.0~~
 7.3 ~~5.5~~ ~~5.8~~ ~~check~~

[[left margin]]
 1 44-62.9
 [[/left margin]]
 | 320 | 1 | 44.1^ | +62^57 | 3.3 | 4.8 | ~~.9~~ | 5.7 |
~~3.6~~ ~~3.5~~ ~~3.3~~ ~~check~~

[[left margin]]
 0 42-82.9
 [[/left margin]]
 | 20 | 0 | 41.6^ | +82^55 | 6.5 | - | 5.7 | ~~2.3~~ | 8.0 |
~~5.9~~ ~~5.8~~ ~~4.2~~ ~~check~~

[[left margin]]
 1 37-63.1
 [[/left margin]]
 | 238 | 1 | 37.3^ | +63^8 | 6.1 | - | 6.9 | ~~.9~~ | 7.8 |
~~5.7~~ ~~5.6~~ ~~5.4~~ ~~check~~

[[left margin]]
 1 50+73.2
 [[/left margin]]
 | 108 | 1 | 50.5^ | +73^8 | 6.2 | - | 6.2 | ~~1.3~~ | 7.5 |
~~5.4~~ ~~5.3~~ ~~4.7~~ ~~check~~

[[left margin]]
 2 0+73.4
 [[/left margin]]
 | 121 | 2 | 0.1^ | +73^20 | 6.5 | - | 6.9 7.1 } | ~~1.4~~ 8.3 8.5 |
~~6.4 6.2~~ ~~6.3 6.1~~ | 5.4 5.6 } ~~[[check]]~~

[[left margin]]
 2 8+63.3
 [[/left margin]]
 | 316 | 2 | 7.9^ | +63^16 | 7.0 | - | 7.4 | ~~[[strikethru]] .9~~ | 8.3 |
~~[[strikethru]] 6.2~~ ~~[[strikethru]] 6~~ | 5.9 ~~[[check]]~~

[[left margin]]
 2 14+73.1
 [[/left margin]]
 | 139 | 2 | 14.2^ | +73^3 | 6.9 | . | 7.0 | ~~[[strikethru]] 1.3~~ | 8.3 |
~~[[strikethru]] 6.2~~ ~~[[strikethru]] 6.1~~ | 5.5 ~~[[check]]~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 14, 1886.

Plate 173.

[[7 column table]]

| V | H | Type | No Lines | K | Focus | Other Lines |
|----|----|----|----|----|

8.0	10.9		No Remarks	3	N	1	-
7.7	13.8		5	N	2	-	
7.8	17.5		[[~~3~~]]4[[~~5~~]]N	2	-		
7.7	20.7		[[~~5~~]]5[[~~6~~]]N	1	-		
7.3	19.7		6	K=H	1	-	
7.4	18.3		[[~~6~~]]8[[~~8~~]]N[[~~8~~]]K=H	3	-		
7.3	16.9		[[~~3~~]]4[[~~4~~]]N[[~~4~~]]K=H	1	-		
6.8	17.6		5[[~~5~~]]N[[~~5~~]]K=H	2	-		
7.5	8.9		[[~~3~~]]3[[~~3~~]]K=H	2	-		
6.8	[[~~1~~]]9.6		7	N	3	-	
6.5	[[~~1~~]]8.1		6	N	3	-	
6.3	13.1		I^b 45	[[~~4~~]]2	K=H	2	[[?]]
6.5	17.2		[[~~5~~]]6	N	2	-	
5.5	17.4		6[[~~6~~]]N[[~~6~~]]K= 2H	2	-		
5.1	11.8		[[~~3~~]]7[[~~7~~]]N[[~~7~~]]K=H	1	-		
5.0	9.5		[[~~3~~]]4[[~~4~~]]N[[~~4~~]]K=H	1	-		
5.0	15.3		3	N	1	-	
4.5	17.0		[[~~3~~]]2	-			
4.0	18.2		[[~~3~~]]4[[~~4~~]]N[[~~4~~]]K=H	1	-		
[[left margin]]							
	? 5.7, 6.1						
[[left margin]]							
4.1	18.7		I^abc 46	[[~~8~~]]2	K=H	3	Bright Lines
3.6	22.1		[[~~3~~]]4[[~~4~~]]N[[~~4~~]]K=H	1	-		
[[left margin]]							
check							
[[left margin]]							
4.1	14.6		[[~~4~~]]4[[~~4~~]]N[[~~4~~]]N	1	[[1]]-		
3.5	15.2		[[~~3~~]]4[[~~4~~]]N[[~~4~~]]K=H	1	-		
3.8	11.4		[[~~3~~]]3[[~~3~~]]?[[~~3~~]]N[[~~3~~]]K=H	1	-		
2.6	13.3		7	K=H	2	-	
1.7	9.8		5	N	1	-	
1.7	10.5		[[~~3~~]]5	N?	1	-	
1.5	12.5		3	N	3	-	

30

October 14, 1886.

Plate 173.

V	H	Type	No Lines	K	Focus	Other Lines
8.0	10.9					No Remarks
7.7	13.8		5	N	2	
7.8	17.5		[[3]]	4	[[5]]	N 2 -
7.7	20.7		[[5]]	5	[[6]]	N 1 -
7.3	19.7		6	K=H	1	
7.4	18.3		[[6]]	8	[[8]]	N[[8]]K=H 3 -
7.3	16.9		[[3]]	4	[[4]]	N[[4]]K=H 1 -
6.8	17.6		5	[[5]]	N	[[5]]K=H 2 -
7.5	8.9		[[3]]	3	[[3]]	K=H 2 -
6.8			[[1]]	9.6		7 N 3 -
6.5			[[1]]	8.1		6 N 3 -
6.3	13.1		I ^b 45	[[4]]	2	K=H 2 [[?]]
6.5	17.2		[[5]]	6		N 2 -
5.5	17.4		6	[[6]]	N	[[6]]K= 2H 2 -
5.1	11.8		[[3]]	7	[[7]]	N[[7]]K=H 1 -
5.0	9.5		[[3]]	4	[[4]]	N[[4]]K=H 1 -
5.0	15.3		3	N	1	
4.5	17.0		[[3]]	2		
4.0	18.2		[[3]]	4	[[4]]	N[[4]]K=H 1 -
[[left margin]]						
? 5.7, 6.1						
[[left margin]]						
4.1	18.7		I ^a bc 46	[[8]]	2	K=H 3 Bright Lines
3.6	22.1		[[3]]	4	[[4]]	N[[4]]K=H 1 -
[[left margin]]						
check						
[[left margin]]						
4.1	14.6		[[4]]	4	[[4]]	N[[4]]N 1 [[1]]-
3.5	15.2		[[3]]	4	[[4]]	N[[4]]K=H 1 -
3.8	11.4		[[3]]	3	[[3]]	[[3]]?[[3]]N[[3]]K=H 1 -
2.6	13.3		7	K=H	2	
1.7	9.8		5	N	1	
1.7	10.5		[[3]]	5	N?	1 -
1.5	12.5		3	N	3	

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 15

[[11 columned table]]
No.	R.A.	DEC.	MAG.	Br.			
 3 24 +83.1 | 91 | 3 24.8 | +83 5 | 7.3 | | 7.3 | ~~2.3~~ 9.6
~~7.5~~ ~~5.2~~ ~~5.1~~ ~~5.3~~ ~~5.4~~ ~~5.5~~ ~~5.6~~ ~~5.7~~ ~~5.8~~ ~~5.9~~ ~~6.0~~ ~~6.1~~ ~~6.2~~ ~~6.3~~ ~~6.4~~ ~~6.5~~ ~~6.6~~ ~~6.7~~ ~~6.8~~ ~~6.9~~ ~~7.0~~ ~~7.1~~ ~~7.2~~ ~~7.3~~ ~~7.4~~ ~~7.5~~ ~~7.6~~ ~~7.7~~ ~~7.8~~ ~~7.9~~ ~~8.0~~ ~~8.1~~ ~~8.2~~ ~~8.3~~ ~~8.4~~ ~~8.5~~ ~~8.6~~ ~~8.7~~ ~~8.8~~ ~~8.9~~ ~~9.0~~ ~~9.1~~ ~~9.2~~ ~~9.3~~ ~~9.4~~ ~~9.5~~ ~~9.6~~ ~~9.7~~ ~~9.8~~ ~~9.9~~ ~~10.0~~ ~~10.1~~ ~~10.2~~ ~~10.3~~ ~~10.4~~ ~~10.5~~ ~~10.6~~ ~~10.7~~ ~~10.8~~ ~~10.9~~ ~~11.0~~ ~~11.1~~ ~~11.2~~ ~~11.3~~ ~~11.4~~ ~~11.5~~ ~~11.6~~ ~~11.7~~ ~~11.8~~ ~~11.9~~ ~~12.0~~ ~~12.1~~ ~~12.2~~ ~~12.3~~ ~~12.4~~ ~~12.5~~ ~~12.6~~ ~~12.7~~ ~~12.8~~ ~~12.9~~ ~~13.0~~ ~~13.1~~ ~~13.2~~ ~~13.3~~ ~~13.4~~ ~~13.5~~ ~~13.6~~ ~~13.7~~ ~~13.8~~ ~~13.9~~ ~~14.0~~ ~~14.1~~ ~~14.2~~ ~~14.3~~ ~~14.4~~ ~~14.5~~ ~~14.6~~ ~~14.7~~ ~~14.8~~ ~~14.9~~ ~~15.0~~ ~~15.1~~ ~~15.2~~ ~~15.3~~ ~~15.4~~ ~~15.5~~ ~~15.6~~ ~~15.7~~ ~~15.8~~ ~~15.9~~ ~~16.0~~ ~~16.1~~ ~~16.2~~ ~~16.3~~ ~~16.4~~ ~~16.5~~ ~~16.6~~ ~~16.7~~ ~~16.8~~ ~~16.9~~ ~~17.0~~ ~~17.1~~ ~~17.2~~ ~~17.3~~ ~~17.4~~ ~~17.5~~ ~~17.6~~ ~~17.7~~ ~~17.8~~ ~~17.9~~ ~~18.0~~ ~~18.1~~ ~~18.2~~ ~~18.3~~ ~~18.4~~ ~~18.5~~ ~~18.6~~ ~~18.7~~ ~~18.8~~ ~~18.9~~ ~~19.0~~ ~~19.1~~ ~~19.2~~ ~~19.3~~ ~~19.4~~ ~~19.5~~ ~~19.6~~ ~~19.7~~ ~~19.8~~ ~~19.9~~ ~~20.0~~ ~~20.1~~ ~~20.2~~ ~~20.3~~ ~~20.4~~ ~~20.5~~ ~~20.6~~ ~~20.7~~ ~~20.8~~ ~~20.9~~ ~~21.0~~ ~~21.1~~ ~~21.2~~ ~~21.3~~ ~~21.4~~ ~~21.5~~ ~~21.6~~ ~~21.7~~ ~~21.8~~ ~~21.9~~ ~~22.0~~ ~~22.1~~ ~~22.2~~ ~~22.3~~ ~~22.4~~ ~~22.5~~ ~~22.6~~ ~~22.7~~ ~~22.8~~ ~~22.9~~ ~~23.0~~ ~~23.1~~ ~~23.2~~ ~~23.3~~ ~~23.4~~ ~~23.5~~ ~~23.6~~ ~~23.7~~ ~~23.8~~ ~~23.9~~ ~~24.0~~ ~~24.1~~ ~~24.2~~ ~~24.3~~ ~~24.4~~ ~~24.5~~ ~~24.6~~ ~~24.7~~ ~~24.8~~ ~~24.9~~ ~~25.0~~ ~~25.1~~ ~~25.2~~ ~~25.3~~ ~~25.4~~ ~~25.5~~ ~~25.6~~ ~~25.7~~ ~~25.8~~ ~~25.9~~ ~~26.0~~ ~~26.1~~ ~~26.2~~ ~~26.3~~ ~~26.4~~ ~~26.5~~ ~~26.6~~ ~~26.7~~ ~~26.8~~ ~~26.9~~ ~~27.0~~ ~~27.1~~ ~~27.2~~ ~~27.3~~ ~~27.4~~ ~~27.5~~ ~~27.6~~ ~~27.7~~ ~~27.8~~ ~~27.9~~ ~~28.0~~ ~~28.1~~ ~~28.2~~ ~~28.3~~ ~~28.4~~ ~~28.5~~ ~~28.6~~ ~~28.7~~ ~~28.8~~ ~~28.9~~ ~~29.0~~ ~~29.1~~ ~~29.2~~ ~~29.3~~ ~~29.4~~ ~~29.5~~ ~~29.6~~ ~~29.7~~ ~~29.8~~ ~~29.9~~ ~~30.0~~ ~~30.1~~ ~~30.2~~ ~~30.3~~ ~~30.4~~ ~~30.5~~ ~~30.6~~ ~~30.7~~ ~~30.8~~ ~~30.9~~ ~~31.0~~ ~~31.1~~ ~~31.2~~ ~~31.3~~ ~~31.4~~ ~~31.5~~ ~~31.6~~ ~~31.7~~ ~~31.8~~ ~~31.9~~ ~~32.0~~ ~~32.1~~ ~~32.2~~ ~~32.3~~ ~~32.4~~ ~~32.5~~ ~~32.6~~ ~~32.7~~ ~~32.8~~ ~~32.9~~ ~~33.0~~ ~~33.1~~ ~~33.2~~ ~~33.3~~ ~~33.4~~ ~~33.5~~ ~~33.6~~ ~~33.7~~ ~~33.8~~ ~~33.9~~ ~~34.0~~ ~~34.1~~ ~~34.2~~ ~~34.3~~ ~~34.4~~ ~~34.5~~ ~~34.6~~ ~~34.7~~ ~~34.8~~ ~~34.9~~ ~~35.0~~ ~~35.1~~ ~~35.2~~ ~~35.3~~ ~~35.4~~ ~~35.5~~ ~~35.6~~ ~~35.7~~ ~~35.8~~ ~~35.9~~ ~~36.0~~ ~~36.1~~ ~~36.2~~ ~~36.3~~ ~~36.4~~ ~~36.5~~ ~~36.6~~ ~~36.7~~ ~~36.8~~ ~~36.9~~ ~~37.0~~ ~~37.1~~ ~~37.2~~ ~~37.3~~ ~~37.4~~ ~~37.5~~ ~~37.6~~ ~~37.7~~ ~~37.8~~ ~~37.9~~ ~~38.0~~ ~~38.1~~ ~~38.2~~ ~~38.3~~ ~~38.4~~ ~~38.5~~ ~~38.6~~ ~~38.7~~ ~~38.8~~ ~~38.9~~ ~~39.0~~ ~~39.1~~ ~~39.2~~ ~~39.3~~ ~~39.4~~ ~~39.5~~ ~~39.6~~ ~~39.7~~ ~~39.8~~ ~~39.9~~ ~~40.0~~ ~~40.1~~ ~~40.2~~ ~~40.3~~ ~~40.4~~ ~~40.5~~ ~~40.6~~ ~~40.7~~ ~~40.8~~ ~~40.9~~ ~~41.0~~ ~~41.1~~ ~~41.2~~ ~~41.3~~ ~~41.4~~ ~~41.5~~ ~~41.6~~ ~~41.7~~ ~~41.8~~ ~~41.9~~ ~~42.0~~ ~~42.1~~ ~~42.2~~ ~~42.3~~ ~~42.4~~ ~~42.5~~ ~~42.6~~ ~~42.7~~ ~~42.8~~ ~~42.9~~ ~~43.0~~ ~~43.1~~ ~~43.2~~ ~~43.3~~ ~~43.4~~ ~~43.5~~ ~~43.6~~ ~~43.7~~ ~~43.8~~ ~~43.9~~ ~~44.0~~ ~~44.1~~ ~~44.2~~ ~~44.3~~ ~~44.4~~ ~~44.5~~ ~~44.6~~ ~~44.7~~ ~~44.8~~ ~~44.9~~ ~~45.0~~ ~~45.1~~ ~~45.2~~ ~~45.3~~ ~~45.4~~ ~~45.5~~ ~~45.6~~ ~~45.7~~ ~~45.8~~ ~~45.9~~ ~~46.0~~ ~~46.1~~ ~~46.2~~ ~~46.3~~ ~~46.4~~ ~~46.5~~ ~~46.6~~ ~~46.7~~ ~~46.8~~ ~~46.9~~ ~~47.0~~ ~~47.1~~ ~~47.2~~ ~~47.3~~ ~~47.4~~ ~~47.5~~ ~~47.6~~ ~~47.7~~ ~~47.8~~ ~~47.9~~ ~~48.0~~ ~~48.1~~ ~~48.2~~ ~~48.3~~ ~~48.4~~ ~~48.5~~ ~~48.6~~ ~~48.7~~ ~~48.8~~ ~~48.9~~ ~~49.0~~ ~~49.1~~ ~~49.2~~ ~~49.3~~ ~~49.4~~ ~~49.5~~ ~~49.6~~ ~~49.7~~ ~~49.8~~ ~~49.9~~ ~~50.0~~ ~~50.1~~ ~~50.2~~ ~~50.3~~ ~~50.4~~ ~~50.5~~ ~~50.6~~ ~~50.7~~ ~~50.8~~ ~~50.9~~ ~~51.0~~ ~~51.1~~ ~~51.2~~ ~~51.3~~ ~~51.4~~ ~~51.5~~ ~~51.6~~ ~~51.7~~ ~~51.8~~ ~~51.9~~ ~~52.0~~ ~~52.1~~ ~~52.2~~ ~~52.3~~ ~~52.4~~ ~~52.5~~ ~~52.6~~ ~~52.7~~ ~~52.8~~ ~~52.9~~ ~~53.0~~ ~~53.1~~ ~~53.2~~ ~~53.3~~ ~~53.4~~ ~~53.5~~ ~~53.6~~ ~~53.7~~ ~~53.8~~ ~~53.9~~ ~~54.0~~ ~~54.1~~ ~~54.2~~ ~~54.3~~ ~~54.4~~ ~~54.5~~ ~~54.6~~ ~~54.7~~ ~~54.8~~ ~~54.9~~ ~~55.0~~ ~~55.1~~ ~~55.2~~ ~~55.3~~ ~~55.4~~ ~~55.5~~ ~~55.6~~ ~~55.7~~ ~~55.8~~ ~~55.9~~ ~~56.0~~ ~~56.1~~ ~~56.2~~ ~~56.3~~ ~~56.4~~ ~~56.5~~ ~~56.6~~ ~~56.7~~ ~~56.8~~ ~~56.9~~ ~~57.0~~ ~~57.1~~ ~~57.2~~ ~~57.3~~ ~~57.4~~ ~~57.5~~ ~~57.6~~ ~~57.7~~ ~~57.8~~ ~~57.9~~ ~~58.0~~ ~~58.1~~ ~~58.2~~ ~~58.3~~ ~~58.4~~ ~~58.5~~ ~~58.6~~ ~~58.7~~ ~~58.8~~ ~~58.9~~ ~~59.0~~ ~~59.1~~ ~~59.2~~ ~~59.3~~ ~~59.4~~ ~~59.5~~ ~~59.6~~ ~~59.7~~ ~~59.8~~ ~~59.9~~ ~~60.0~~ ~~60.1~~ ~~60.2~~ ~~60.3~~ ~~60.4~~ ~~60.5~~ ~~60.6~~ ~~60.7~~ ~~60.8~~ ~~60.9~~ ~~61.0~~ ~~61.1~~ ~~61.2~~ ~~61.3~~ ~~61.4~~ ~~61.5~~ ~~61.6~~ ~~61.7~~ ~~61.8~~ ~~61.9~~ ~~62.0~~ ~~62.1~~ ~~62.2~~ ~~62.3~~ ~~62.4~~ ~~62.5~~ ~~62.6~~ ~~62.7~~ ~~62.8~~ ~~62.9~~ ~~63.0~~ ~~63.1~~ ~~63.2~~ ~~63.3~~ ~~63.4~~ ~~63.5~~ ~~63.6~~ ~~63.7~~ ~~63.8~~ ~~63.9~~ ~~64.0~~ ~~64.1~~ ~~64.2~~ ~~64.3~~ ~~64.4~~ ~~64.5~~ ~~64.6~~ ~~64.7~~ ~~64.8~~ ~~64.9~~ ~~65.0~~ ~~65.1~~ ~~65.2~~ ~~65.3~~ ~~65.4~~ ~~65.5~~ ~~65.6~~ ~~65.7~~ ~~65.8~~ ~~65.9~~ ~~66.0~~ ~~66.1~~ ~~66.2~~ ~~66.3~~ ~~66.4~~ ~~66.5~~ ~~66.6~~ ~~66.7~~ ~~66.8~~ ~~66.9~~ ~~67.0~~ ~~67.1~~ ~~67.2~~ ~~67.3~~ ~~67.4~~ ~~67.5~~ ~~67.6~~ ~~67.7~~ ~~67.8~~ ~~67.9~~ ~~68.0~~ ~~68.1~~ ~~68.2~~ ~~68.3~~ ~~68.4~~ ~~68.5~~ ~~68.6~~ ~~68.7~~ ~~68.8~~ ~~68.9~~ ~~69.0~~ ~~69.1~~ ~~69.2~~ ~~69.3~~ ~~69.4~~ ~~69.5~~ ~~69.6~~ ~~69.7~~ ~~69.8~~ ~~69.9~~ ~~70.0~~ ~~70.1~~ ~~70.2~~ ~~70.3~~ ~~70.4~~ ~~70.5~~ ~~70.6~~ ~~70.7~~ ~~70.8~~ ~~70.9~~ ~~71.0~~ ~~71.1~~ ~~71.2~~ ~~71.3~~ ~~71.4~~ ~~71.5~~ ~~71.6~~ ~~71.7~~ ~~71.8~~ ~~71.9~~ ~~72.0~~ ~~72.1~~ ~~72.2~~ ~~72.3~~ ~~72.4~~ ~~72.5~~ ~~72.6~~ ~~72.7~~ ~~72.8~~ ~~72.9~~ ~~73.0~~ ~~73.1~~ ~~73.2~~ ~~73.3~~ ~~73.4~~ ~~73.5~~ ~~73.6~~ ~~73.7~~ ~~73.8~~ ~~73.9~~ ~~74.0~~ ~~74.1~~ ~~74.2~~ ~~74.3~~ ~~74.4~~ ~~74.5~~ ~~74.6~~ ~~74.7~~ ~~74.8~~ ~~74.9~~ ~~75.0~~ ~~75.1~~ ~~75.2~~ ~~75.3~~ ~~75.4~~ ~~75.5~~ ~~75.6~~ ~~75.7~~ ~~75.8~~ ~~75.9~~ ~~76.0~~ ~~76.1~~ ~~76.2~~ ~~76.3~~ ~~76.4~~ ~~76.5~~ ~~76.6~~ ~~76.7~~ ~~76.8~~ ~~76.9~~ ~~77.0~~ ~~77.1~~ ~~77.2~~ ~~77.3~~ ~~77.4~~ ~~77.5~~ ~~77.6~~ ~~77.7~~ ~~77.8~~ ~~77.9~~ ~~78.0~~ ~~78.1~~ ~~78.2~~ ~~78.3~~ ~~78.4~~ ~~78.5~~ ~~78.6~~ ~~78.7~~ ~~78.8~~ ~~78.9~~ ~~79.0~~ ~~79.1~~ ~~79.2~~ ~~79.3~~ ~~79.4~~ ~~79.5~~ ~~79.6~~ ~~79.7~~ ~~79.8~~ ~~79.9~~ ~~80.0~~ ~~80.1~~ ~~80.2~~ ~~80.3~~ ~~80.4~~ ~~80.5~~ ~~80.6~~ ~~80.7~~ ~~80.8~~ ~~80.9~~ ~~81.0~~ ~~81.1~~ ~~81.2~~ ~~81.3~~ ~~81.4~~ ~~81.5~~ ~~81.6~~ ~~81.7~~ ~~81.8~~ ~~81.9~~ ~~82.0~~ ~~82.1~~ ~~82.2~~ ~~82.3~~ ~~82.4~~ ~~82.5~~ ~~82.6~~ ~~82.7~~ ~~82.8~~ ~~82.9~~ ~~83.0~~ ~~83.1~~ ~~83.2~~ ~~83.3~~ ~~83.4~~ ~~83.5~~ ~~83.6~~ ~~83.7~~ ~~83.8~~ ~~83.9~~ ~~84.0~~ ~~84.1~~ ~~84.2~~ ~~84.3~~ ~~84.4~~ ~~84.5~~ ~~84.6~~ ~~84.7~~ ~~84.8~~ ~~84.9~~ ~~85.0~~ ~~85.1~~ ~~85.2~~ ~~85.3~~ ~~85.4~~ ~~85.5~~ ~~85.6~~ ~~85.7~~ ~~85.8~~ ~~85.9~~ ~~86.0~~ ~~86.1~~ ~~86.2~~ ~~86.3~~ ~~86.4~~ ~~86.5~~ ~~86.6~~ ~~86.7~~ ~~86.8~~ ~~86.9~~ ~~87.0~~ ~~87.1~~ ~~87.2~~ ~~87.3~~ ~~87.4~~ ~~87.5~~ ~~87.6~~ ~~87.7~~ ~~87.8~~ ~~87.9~~ ~~88.0~~ ~~88.1~~ ~~88.2~~ ~~88.3~~ ~~88.4~~ ~~88.5~~ ~~88.6~~ ~~88.7~~ ~~88.8~~ ~~88.9~~ ~~89.0~~ ~~89.1~~ ~~89.2~~ ~~89.3~~ ~~89.4~~ ~~89.5~~ ~~89.6~~ ~~89.7~~ ~~89.8~~ ~~89.9~~ ~~90.0~~ ~~90.1~~ ~~90.2~~ ~~90.3~~ ~~90.4~~ ~~90.5~~ ~~90.6~~ ~~90.7~~ ~~90.8~~ ~~90.9~~ ~~91.0~~ ~~91.1~~ ~~91.2~~ ~~91.3~~ ~~91.4~~ ~~91.5~~ ~~91.6~~ ~~91.7~~ ~~91.8~~ ~~91.9~~ ~~92.0~~ ~~92.1~~ ~~92.2~~ ~~92.3~~ ~~92.4~~ ~~92.5~~ ~~92.6~~ ~~92.7~~ ~~92.8~~ ~~92.9~~ ~~93.0~~ ~~93.1~~ ~~93.2~~ ~~93.3~~ ~~93.4~~ ~~93.5~~ ~~93.6~~ ~~93.7~~ ~~93.8~~ ~~93.9~~ ~~94.0~~ ~~94.1~~ ~~94.2~~ ~~94.3~~ ~~94.4~~ ~~94.5~~ ~~94.6~~ ~~94.7~~ ~~94.8~~ ~~94.9~~ ~~95.0~~ ~~95.1~~ ~~95.2~~ ~~95.3~~ ~~95.4~~ ~~95.5~~ ~~95.6~~ ~~95.7~~ ~~95.8~~ ~~95.9~~ ~~96.0~~ ~~96.1~~ ~~96.2~~ ~~96.3~~ ~~96.4~~ ~~96.5~~ ~~96.6~~ ~~96.7~~ ~~96.8~~ ~~96.9~~ ~~97.0~~ ~~97.1~~ ~~97.2~~ ~~97.3~~ ~~97.4~~ ~~97.5~~ ~~97.6~~ ~~97.7~~ ~~97.8~~ ~~97.9~~ ~~98.0~~ ~~98.1~~ ~~98.2~~ ~~98.3~~ ~~98.4~~ ~~98.5~~ ~~98.6~~ ~~98.7~~ ~~98.8~~ ~~98.9~~ ~~99.0~~ ~~99.1~~ ~~99.2~~ ~~99.3~~ ~~99.4~~ ~~99.5~~ ~~99.6~~ ~~99.7~~ ~~99.8~~ ~~99.9~~ ~~100.0~~ ~~100.1~~ ~~100.2~~ ~~100.3~~ ~~100.4~~ ~~100.5~~ ~~100.6~~ ~~100.7~~ ~~100.8~~ ~~100.9~~ ~~101.0~~ ~~101.1~~ ~~101.2~~ ~~101.3~~ ~~101.4~~ ~~101.5~~ ~~101.6~~ ~~101.7~~ ~~101.8~~ ~~101.9~~ ~~102.0~~ ~~102.1~~ ~~102.2~~ ~~102.3~~ ~~102.4~~ ~~102.5~~ ~~102.6~~ ~~102.7~~ ~~102.8~~ ~~102.9~~ ~~103.0~~ ~~103.1~~ ~~103.2~~ ~~103.3~~ ~~103.4~~ ~~103.5~~ ~~103.6~~ ~~103.7~~ ~~103.8~~ ~~103.9~~ ~~104.0~~ ~~104.1~~ ~~104.2~~ ~~104.3~~ ~~104.4~~ ~~104.5~~ ~~104.6~~ ~~104.7~~ ~~104.8~~ ~~104.9~~ ~~105.0~~ ~~105.1~~ ~~105.2~~ ~~105.3~~ ~~105.4~~ ~~105.5~~ ~~105.6~~ ~~105.7~~ ~~105.8~~ ~~105.9~~ ~~106.0~~ ~~106.1~~ ~~106.2~~ ~~106.3~~ ~~106.4~~ ~~106.5~~ ~~106.6~~ ~~106.7~~ ~~106.8~~ ~~106.9~~ ~~107.0~~ ~~107.1~~ ~~107.2~~ ~~107.3~~ ~~107.4~~ ~~107.5~~ ~~107.6~~ ~~107.7~~ ~~107.8~~ ~~107.9~~ ~~108.0~~ ~~108.1~~ ~~108.2~~ ~~108.3~~ ~~108.4~~ ~~108.5~~ ~~108.6~~ ~~108.7~~ ~~108.8~~ ~~108.9~~ ~~109.0~~ ~~109.1~~ ~~109.2~~ ~~109.3~~ ~~109.4~~ ~~109.5~~ ~~109.6~~ ~~109.7~~ ~~109.8~~ ~~109.9~~ ~~110.0~~ ~~110.1~~ ~~110.2~~ ~~110.3~~ ~~110.4~~ ~~110.5~~ ~~110.6~~ ~~110.7~~ ~~110.8~~ ~~110.9~~ ~~111.0~~ ~~111.1~~ ~~111.2~~ ~~111.3~~ ~~111.4~~ ~~111.5~~ ~~111.6~~ ~~111.7~~ ~~111.8~~ ~~111.9~~ ~~112.0~~ ~~112.1~~ ~~112.2~~ ~~112.3~~ ~~112.4~~ ~~112.5~~ ~~112.6~~ ~~112.7~~ ~~112.8~~ ~~112.9~~ ~~113.0~~ ~~113.1~~ ~~113.2~~ ~~113.3~~ ~~113.4~~ ~~113.5~~ ~~113.6~~ ~~113.7~~ ~~113.8~~ ~~113.9~~ ~~114.0~~ ~~114.1~~ ~~114.2~~ ~~114.3~~ ~~114.4~~ ~~114.5~~ ~~114.6~~ ~~114.7~~ ~~114.8~~ ~~114.9~~ ~~115.0~~ ~~115.1~~ ~~115.2~~ ~~115.3~~ ~~115.4~~ ~~115.5~~ ~~115.6~~ ~~115.7~~ ~~115.8~~ ~~115.9~~ ~~116.0~~ ~~116.1~~ ~~116.2~~ ~~116.3~~ ~~116.4~~ ~~116.5~~ ~~116.6~~ ~~116.7~~ ~~116.8~~ ~~116.9~~ ~~117.0~~ ~~117.1~~ ~~117.2~~ ~~117.3~~ ~~117.4~~ ~~117.5~~ ~~117.6~~ ~~117.7~~ ~~117.8~~ ~~117.9~~ ~~118.0~~ ~~118.1~~ ~~118.2~~ ~~118.3~~ ~~118.4~~ ~~118.5~~ ~~118.6~~ ~~118.7~~ ~~118.8~~ ~~118.9~~ ~~119.0~~ ~~119.1~~ ~~119.2~~ ~~119.3~~ ~~119.4~~ ~~119.5~~ ~~119.6~~ ~~119.7~~ ~~119.8~~ ~~119.9~~ ~~120.0~~ ~~120.1~~ ~~120.2~~ ~~120.3~~ ~~120.4~~ ~~120.5~~ ~~120.6~~ ~~120.7~~ ~~120.8~~ ~~120.9~~ ~~121.0~~ ~~121.1~~ ~~121.2~~ ~~121.3~~ ~~121.4~~ ~~121.5~~ ~~121.6~~ ~~121.7~~ ~~121.8~~ ~~121.9~~ ~~122.0~~ ~~122.1~~ ~~122.2~~ ~~122.3~~ ~~122.4~~ ~~122.5~~ ~~122.6~~ ~~122.7~~ ~~122.8~~ ~~122.9~~ ~~123.0~~ ~~123.1~~ ~~123.2~~ ~~123.3~~ ~~123.4~~ ~~123.5~~ ~~123.6~~ ~~123.7~~ ~~123.8~~ ~~123.9~~ ~~124.0~~ ~~124.1~~ ~~124.2~~ ~~124.3~~ ~~124.4~~ ~~124.5~~ ~~124.6~~ ~~124~~

right hand bracket]]] [symbol - checkmark]]
 1 53 +64.4 |28.5|1|53.8^[[^]]|+64^[[^]]|24|6.5|. | |
 |6.4|[[[strikethrough]]].9|7.3|[[[strikethrough]]]5.2[[[/strikethrough]]]^5.1[[/strike
 through]]|4.9[[symbol - checkmark]]
 1 48 +74.8 |91|1|48.8^[[^]]|+74^[[^]]|47|6.5|_ | |
 |6.4|[[[strikethrough]]]1.5|7.9|[[[strikethrough]]]5.8[[[/strikethrough]]]^5.7[[/strik
 ethrough]]|4.9[[symbol - checkmark]]
 2 31 +74.8 |117|2|31.4^[[^]]|+74^[[^]]|46|7.2|_ | |
 |6.9|[[[strikethrough]]]1.5|8.4|[[[strikethrough]]]6.3[[[/strikethrough]]]^6.2[[/strik
 ethrough]]|5.4[[symbol - checkmark]]
 2 48 +74.6 |131|2|48.6^[[^]]|+74^[[^]]|34|7.2|_ | |
 |7.2|[[[strikethrough]]]1.4|8.6|[[[strikethrough]]]6.5[[[/strikethrough]]]^6.4[[/strik
 ethrough]]|4.9[[symbol - checkmark]]
 2 1[[[strikethrough]]]7[[[/strikethrough]]]^4 +85.2
 |45|2|14.2^[[^]]|+85^[[^]]|10|8.6|. | | |7.1

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 14, 1886.

Plate 173.

[7 columned table]

[V|H|Type|No. Lines|K|Focus|Other Lines]

[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]

2.5|20.3||4|N|1|-]

2.5|21.5||3|3|[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-][[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]

Plate 161

[[8 columned table]]

| | | |No Remark| | | |

21.5|10.8||5|N|2|-]

21.5|16.9||[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]20.9|12.8|[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-][[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]20.9|21.7||[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]20.5|16.5|[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-][[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]

20.3|13.2||4|4|N|N|1|1|-]

19.3|9.8|[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]

18.5|8.3||3|N|1|-]

18.5|10.7||[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-][[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-][[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-][[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]

17.9|20.9||3|N|1|-]

18.0|21.3||4|N|1|-]

17.2|11.8||8|[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]

16.5|16.2||6|N|2|-]

15.7|13.0||3|N|1|-]

15.1|8.3||[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]

15.0|8.8||4|N|1|-]

III? 5.9, 6.2 14.8|14.1|III|loc.

49|[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]

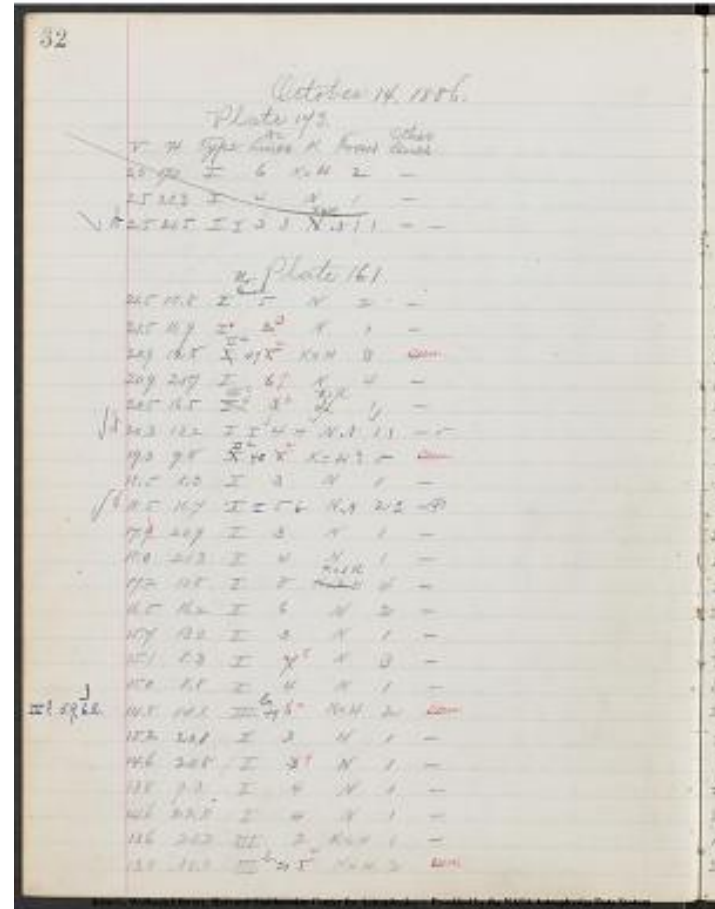
15.2|20.1||3|N|1|-]

14.6|20.8||[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]

13.8|9.3||4|N|1|-]

14.6|22.0||4|N|1|-]

13.6|20.2|III|2|K=H|1|-]

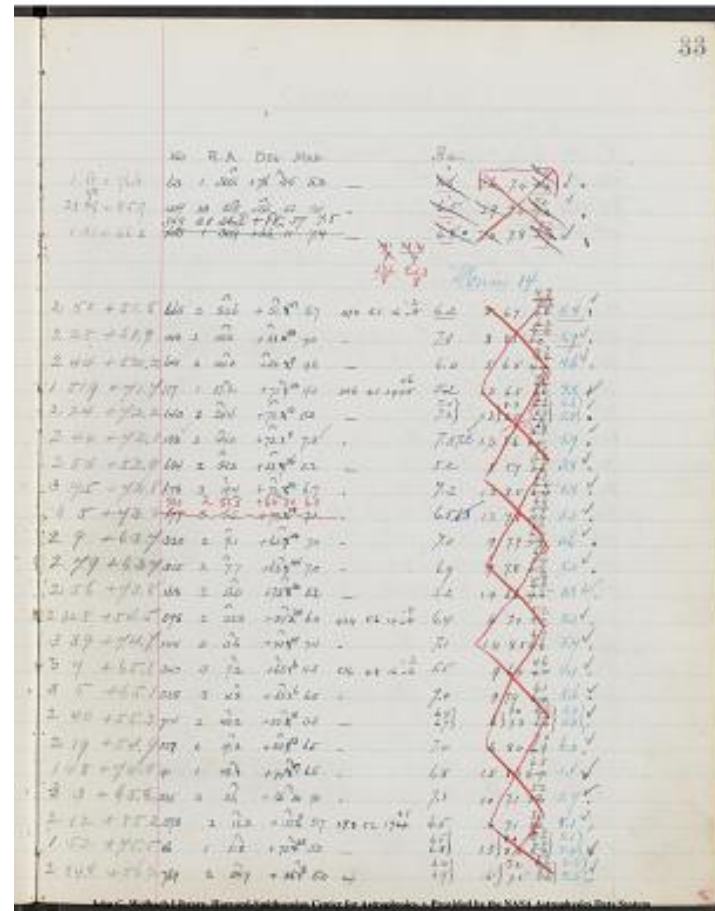
13.0|10.0|III|b.50|[[~~2.0~~][~~17.0~~][~~6~~][~~K=H~~][~~2~~]-]John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics.
Provided by the NASA Astrophysics Data System

[[11 columned table]]
 |No.|R.A.|DEC.|MAG.| |Br.| | | |
 |---|---|---|---|---|---|---|---|
 1 50 +76.6|63|1 50.8|+76 35|5.3|-|
 23 53 +85.9|409|23 52.8|+85 54|80|.|
 1 31 +66.2|399|23 24.2|+85|37|7.5|-|
 [[equation]]
 [[equation]]

Mean 14

[[11 columned table]]
 2 50 +51.8|665|2 50.6|+51 47|5.7|470|5.1|16-2|6.2|4.8
 2 28 +61.9|448|2 28.8|+61 58|7.0|7.3|5.9
 2 44 +52.2|641|2 44.0|+52|9|4.2|6.0|4.6
 1 52.9 +71.4|117|1 51.2|+71 42|4.0|306 4.1 24+6|5.2|3.8
 2 24 +72.2|140|2 24.4|+72.10|5.0| |7.0 7.2|5.6 5.8}
 2 44 +72.1|153|2 44.0|+72.5|7.0| |7.3 7.2|5.9
 2 54 +52.9|654|2 54.3|+52.56|3.2| |5.2|3.8
 3 19.5 +72.8|178|3 19.4|+72.50|6.7| |7.2|5.8
 3 5 +43.2|390|2 55.0|+63 30 6.0|6.5|1.3|5.1
 2 9 +63.4|320|2 9.1|+63.40|7.0| |7.0|5.6
 2 79 +63.4|315|2 7.7|+63.44|7.0| |6.9|5.5
 2 56 +73.8|168|2 56.3|+73.50|5.2| |5.2|3.8
 2 32.8 +54.5|598|2 32.8|+54.30|6.0|424 5.6 14-4|6.4|5.0
 3 39 +74.4|144|3 3.6|+74.41|7.4| |7.1|5.7
 3 7 +65.1|340|3 7.2|+65.5|4.5|516 4.8 16-2|5.5|4.1
 3 5 +65.1|338|3 4.8|+65.6|6.5| |7.0|5.6
 2 40 +55.3|714|2 40.2|+55.18|3.5| |6.4 6.7|5.0 5.3}
 2 19 +54.9|557|2 19.2|+54.53|6.5| |7.4|6.0
 1 48 +74.8|91|1 48.8|+74.47|6.5| |6.8|5.4
 3 3 +65.8|335|3 3.6|+65 50 7.0| |7.1|5.7
 2 12 +55.2|598|2 12.3|55.11|5.7|373 5.2 19+1|6.5|5.1
 1 52 +45.5|86|1 51.8|+75.25|5.0| |6.5 6.8|5.1 5.4}
 2 54.8 +56.2|767|2 54.7|+56.8 5.0| |6.6 6.9|5.2 5.5}

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



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

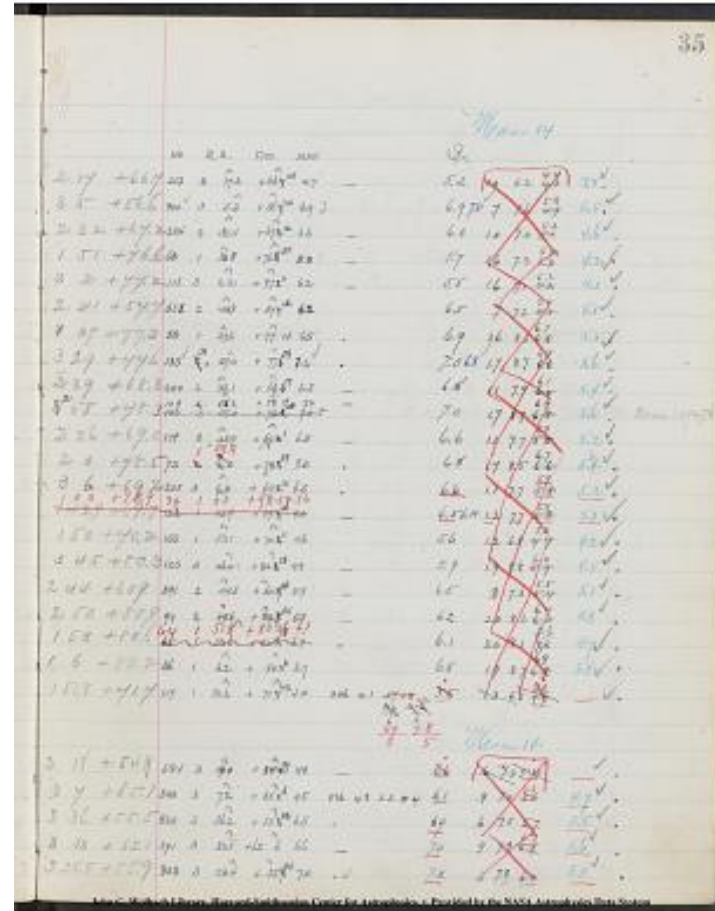
Plate 258
[[7 column table]]
22.5 | 15.1 | | 4 | ~~3~~ | ~~3~~ | K= .1H
~~?~~ | ~~1~~ | - |
22.0 | 17.1 | | ^A[b] | 54 | 6 | ~~5~~ | ~~5~~ | N | 3 |
seen|
21.6 | 10.2 | | 4 | ~~3~~ | ~~3~~ | N | .1 | - |
21.5 | 7.5 | | 5 | ~~3~~ | ~~3~~ | K=H.
~~N~~ | ~~1~~ | - |
21.0 | 12.5 | | 4 | N | 1 | - |

[[left margin]]
[[symbol- check mark]] to the left of row two, eight, fourteen.

[illegible]

Mean 14

[[10 columned table]]
		No.	R.A.	DEC.	MAG.		Br.			
 2 17 | +66.7 | 213 | 2 17.2^h | +66^m | ~~[[strikethrough]]~~ 7
~~[[strikethrough]]~~ ^[[45]] | 4.7 | - | 5.2 | ~~[[strikethrough]]~~ 1.0 6.2 4.3^h | 4.4 |
~~[[strikethrough]]~~ | 3.8 . |
 3 5 | +56.6 | 800 | 3 5.3^h | +56^m | ~~[[strikethrough]]~~ 7
~~[[strikethrough]]~~ ^[[44]] | 8.9^h | | 6.9 7.0 | ~~[[strikethrough]]~~ .7 7.6
 5.7^h | 5.8 | ~~[[strikethrough]]~~ | 5.5 . |
 2 32 | +67.2 | 243 | 2 32.4^h | +67^m | ~~[[strikethrough]]~~ 2
~~[[strikethrough]]~~ ^[[12]] | 6.6 | - | 6.0 | ~~[[strikethrough]]~~ 1.0 7.0 5.1^h | 5.2 |
~~[[strikethrough]]~~ | 4.6 . |
 1 51 | +76.6 | 63 | 1 50.8^h | +76^m | ~~[[strikethrough]]~~ 6
~~[[strikethrough]]~~ ^[[35]] | 5.3 | - | 5.7 | ~~[[strikethrough]]~~ 1.6 7.3 5.4^h | 5.5 |
~~[[strikethrough]]~~ | 4.3 . |
 3 2 | +77.2 | 115 | 3 2.2^h | +77^m | ~~[[strikethrough]]~~ 2
~~[[strikethrough]]~~ ^[[11]] | 6.2 | - | 5.5 | ~~[[strikethrough]]~~ 1.6 7.1 5.2^h | 5.3 |
~~[[strikethrough]]~~ | 4.1 . |
 2 41 | +57.7 | 651 | 2 40.9^h | +57^m | ~~[[strikethrough]]~~ 7
~~[[strikethrough]]~~ ^[[42]] | 6.2 | | 6.5 | ~~[[strikethrough]]~~ .7 7.2 5.3^h | 5.4 |
~~[[strikethrough]]~~ | 5.1 . |
 1 27 | +77.3 | 58 | 1 27.6^h | +77^m | 14 | 6.5 | . | 6.9 |
~~[[strikethrough]]~~ 1.6 8.5 6.6^h | 6.7 |
 3 29 | +77.6 | 133 | ~~[[strikethrough]]~~ ? ~~[[strikethrough]]~~ ^[[3]] 29.0^h | 6.8 |
 +77^m | ~~[[strikethrough]]~~ 6 ~~[[strikethrough]]~~ ^[[39]] | 7.2 | . | 7.0 6.8 |
~~[[strikethrough]]~~ 1.7 8.7 6.6^h | 6.7 | ~~[[strikethrough]]~~ | 5.6 . |
~~[[strikethrough]]~~ | 3.8 . |
 2 39 | +68.3 | 200 | 2 39.1^h | +68^m | ~~[[strikethrough]]~~ 3
~~[[strikethrough]]~~ ^[[17]] | 6.5 | - | 6.8 | ~~[[strikethrough]]~~ 1.1 7.9 6.0^h | 6.1 |
~~[[strikethrough]]~~ | 5.4 . |
~~[[strikethrough]]~~ 3 ~~[[strikethrough]]~~ ^[[2]] 58 | +78.3 | ~~[[strikethrough]]~~ |
 150 ~~[[strikethrough]]~~ ^[[109]] | ~~[[strikethrough]]~~ 3 58.0 ~~[[strikethrough]]~~ |
~~[[strikethrough]]~~ ^[[2 58.3^h]] | ~~[[strikethrough]]~~ +78 2^h | 15 | ~~[[strikethrough]]~~ +78^m |
 19 | ~~[[strikethrough]]~~ 9.0 ~~[[strikethrough]]~~ ^[[7.0]] 2 | - | 7.0 |
~~[[strikethrough]]~~ 1.7 8.7 6.8^h | 6.9 | ~~[[strikethrough]]~~ | 5.6 . | DM 109 +78°
 2 36 | +69.0 | 179 | 2 35.9^h | +69^m | ~~[[strikethrough]]~~ 0
~~[[strikethrough]]~~ ^[[1]] | 6.5 | - | 6.6 | ~~[[strikethrough]]~~ 1.1 7.7 5.8^h | 5.9 |
~~[[strikethrough]]~~ | 5.2 . |
 2 0 | +78.5 | 73 | ~~[[strikethrough]]~~ 2 2.0^h | 0 | ~~[[strikethrough]]~~ ^[[1^h]]
 59.9 | +78^m | ~~[[strikethrough]]~~ 5 ~~[[strikethrough]]~~ ^[[29]] | 7.3 | . | 6.8 |
~~[[strikethrough]]~~ 1.7 8.5 6.6^h | 6.7 | ~~[[strikethrough]]~~ | 5.4 . |
 3 6 | +69.2 | 205 | 3 6.3^h | +69^m | ~~[[strikethrough]]~~ 2
~~[[strikethrough]]~~ ^[[12]] | 6.5 | . | 6.6 | [[strikethrough]] |
~~[[strikethrough]]~~ 1.1 7.7 5.8^h | 5.9 | ~~[[strikethrough]]~~ | 5.2
~~[[strikethrough]]~~ | . |
~~[[strikethrough]]~~ 1 43.9 ~~[[strikethrough]]~~ ^[[10 0]] | ~~[[strikethrough]]~~ |
 +69.7 ~~[[strikethrough]]~~ ^[[+78.9]] | ~~[[strikethrough]]~~ 122 ~~[[strikethrough]]~~ |
~~[[strikethrough]]~~ ^[[34]] | ~~[[strikethrough]]~~ 1 43.9 ~~[[strikethrough]]~~ ^[[1 0.0^h]] |
~~[[strikethrough]]~~ +69^m | 7^h | 46 | ~~[[strikethrough]]~~ ^[[+78 54]] |
~~[[strikethrough]]~~ 8.0 ~~[[strikethrough]]~~ ^[[5.6]] | - | 6.5
6.4 | ~~[[strikethrough]]~~ | 1.2 7.7 5.8^h | 5.9 |
~~[[strikethrough]]~~ | 5.1 | [[strikethrough]] |
 1 50 | +70.2 | 153 | 1 50.1^h | +70^m | ~~[[strikethrough]]~~ 2
~~[[strikethrough]]~~ ^[[11]] | 4.6 | | 5.6 | ~~[[strikethrough]]~~ 1.2 6.8 4.9^h | 5.0 |
~~[[strikethrough]]~~ | 4.2 . |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

October 14, 1886.

Plate 258.

[[8 columned table]]

[V|H|Type|No. Remark|No.Lines|K|Focus|Other Lines|

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

20.0|12.8|| |5|N|1|-|

19.4|9.9|| |5|N|1|-|

19.0|12.0|| |[[~~5~~]|N|1|-|4|[[~~5~~]]|6|[[~~5~~]]N|[[~~5~~]]K=H| 1 |-|

18.5|16.2|| |6|K=.5H|2|-|

17.5|8.9|| |5|N|2|-|

17.5|13.2|| |[[~~5~~]]4|[[~~5~~]]5| N |1|-|

16.4|11.2|| |5|N|2|-|

16.5|14.3|| |[[~~5~~]]4 |[[~~5~~]] 5 |N? |1|-|

16.4|15.2|| |5|N |3|-|

16.2|16.4||

[[~~5~~]]3|[[~~5~~]]4|[[~~5~~]]N|[[~~5~~]]K=

H| 1 |-|

15.3|15.2|| |5|N |2|-|

15.0|6.4 |[[~~5~~]]|[[~~5~~]]|55|2[[~~5~~]]N|[[~~5~~]]K=H|3|-|

14.2|15.4|| |4|K=.8H|4|-|

14.1|16.9|| |5|N |1|-|

13.8|13.0|| |4|[[~~5~~]]N|[[~~5~~]]K=H| 1 |-|13.9|14.0|[[~~5~~]]|[[~~5~~]]|2[[~~5~~]]N|[[~~5~~]]K=H| 1 |-|13.5|15.4|| |[[~~5~~]]4|[[~~5~~]]5| N |2|-|

13.4|8.6|| |5|N|1|-|

12.3|12.0|| |[[~~5~~]]6|[[~~5~~]]7|K=H| 3 |-|11.7|12.1|| |8|[[~~5~~]]K=2H|[[~~5~~]]K=.1H| 3 |-|11.7|10.7|[[~~5~~]]|[[~~5~~]]|?[[~~5~~]]3|[[~~5~~]]2|[[~~5~~]]N|[[~~5~~]]K=

H| 1 |-|

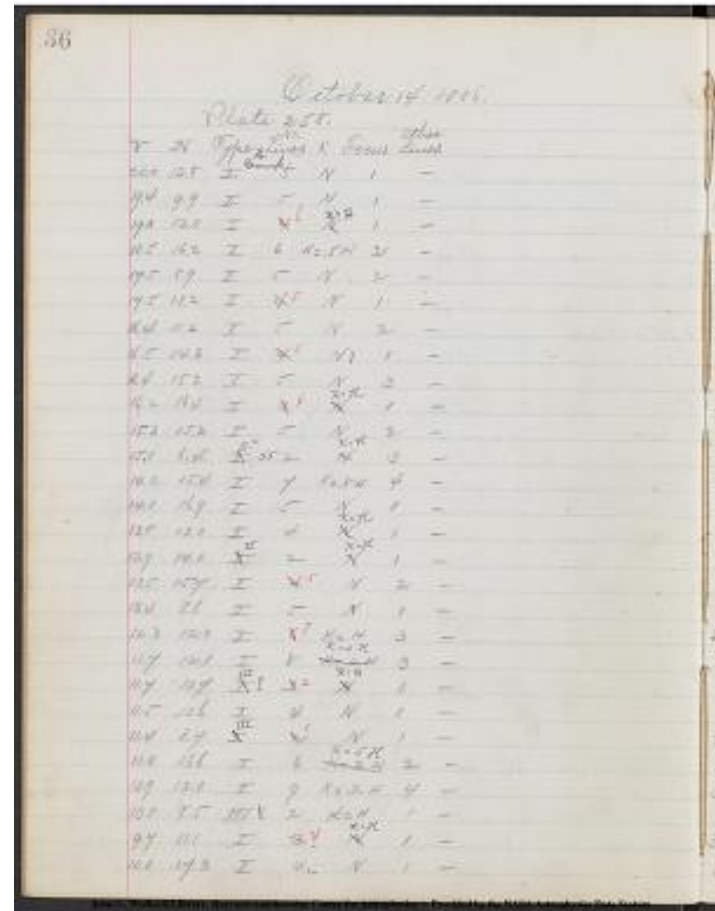
11.5|10.6|| |4|N|1|-|

11.4|8.4|[[~~5~~]]|[[~~5~~]]|[[~~5~~]]2|[[~~5~~]]1| N |1|-|11.0|16.6|| |6|[[~~5~~]]K=.2H|[[~~5~~]]K=.5H| 2 |-|

10.9|12.0|| |9|K=.2H |4|-|

10.1|8.5|| |[[~~5~~]]?|[[~~5~~]]| 2 |K=H |1|-|9.7|11.1|| |[[~~5~~]]3|[[~~5~~]]4|[[~~5~~]]N|[[~~5~~]]K=H| 1 |-|

10.0|17.3|| |4|N|1|-|

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

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

37

Mean 14

[[11 columned table]]
 |---|No.|R.|A.|DEC.|IMAG.|*|Br.| |*|
 |---|---|---|---|---|---|---|---|

3 26.9 +56.5 | 826 | 3 | 27.0 | +56 ~~[[5]]~~ 28 |
 6.5 | . | 6.8 | ~~[[6.7 4 5.6]]~~ | 5.4 | . |

3 38 +56.6 | 846 | 3 | 37.8 | +56 ~~[[7]]~~ 4.0 | 7.0
 | . | 6.7 | ~~[[7.7 4 5.6]]~~ | 5.3 | . |

2 +66.8 | 284 | 3 | 32.3 | +66 45 | 6.2 | _ | 6.4 | ~~[[1.0 7.4 5.6]]~~ | 5.0 | . |
 3.3 ~~[[57.0]]~~ | 0 +57.0 ~~[[737]]~~ | 3 |
 30.3 | +57 0 | 8.5 | x |

2 77.2 | 115 | 3 | 2.2 | +77 11 | 6.2 | _ | 6.5 | ~~[[1.6 8.1 6.3]]~~ | 5.1 | . |
 3 11 + 667 ~~[[267]]~~ | 3 | 11.8 | +66.8^45 | 8.5
~~[[x]]~~ |

5.4 6
 3 42 + 57.5 | 752 | 3 | 42.0 | +57. ~~[[5]]~~ 6.0 |
 631 5.8 14.4 | 6.5 | ~~[[7.7 2 5.2]]~~ | 5.1 | . |

3 29 +77.7 | 133 | 3 | 29.0 | +77 39 | 7.2 | . | 7.2 | ~~[[1.7 8.9 7.1]]~~ | 5.8 | . |

7 68.0 | 286 | 3 | 37.5 | +68 3 | 6.5 | . | 6.5 | 1.1 7.6 5.8 | 5.1 | . |
 3 34 + 58.4 | 646 | 3 | 34.0 | +58.4^23 | 8.4 |

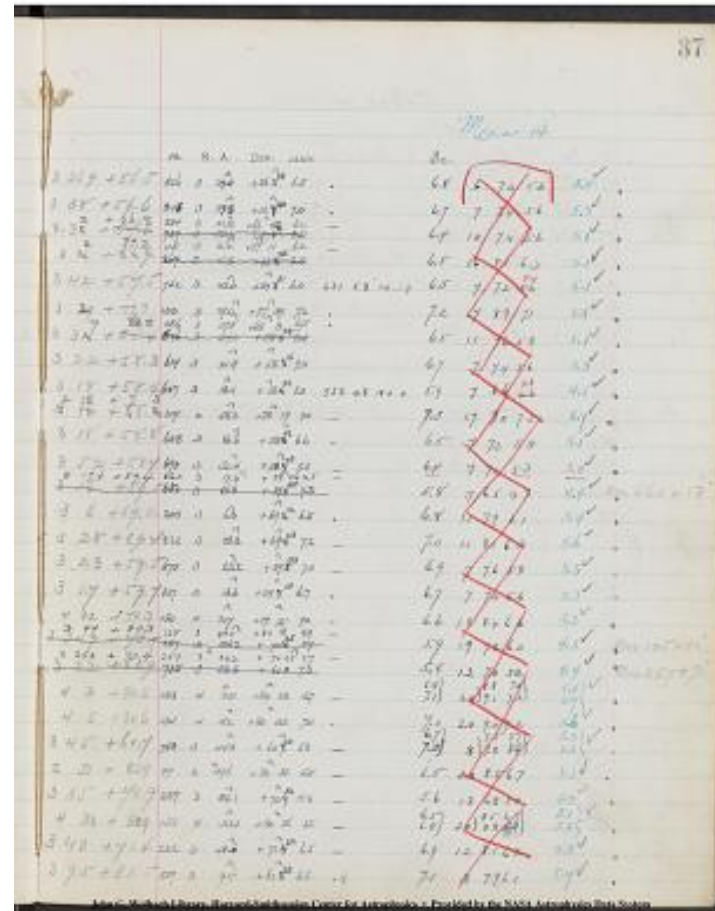
3 22 + 58.3 | 619 | 3 | 21.9 | +58.3 | 7.0 | | 6.7 | . 7 7.4 5.6 | 5.3 | . |

3 18 + 58.4 | 607 | 3 | 18.4 | +58.4 | 5.0 | 553 4.8 18 + 0 | 5.9 | . 7 6.6
 4.6 | 4.5 | . |

2 58 + 7 3
 3 16 + 58.2 | 109 | 2 | 58.3 | +78 19 | 7.0 | _ | 7.3 | 1.7 9.0 7.2 | 5.9 | . |

3 18 + 58.8 | 608 | 3 |

3 52 + 58.7 | 690 | 3 |



3 17.4 +59.4 | 660 | 3 |
3 16 +59.5 | 658 | 3 |

3 6 +69.2 | 205 | 3 |

3 28 +69.4 | 222 | 3 |

3 23 +59.5 | 675 | 3 |

3 1.7 +59.7 | 657 | 3 |

4 22 +79.3 | 150 | 4 |

3 47 +80.3 | 125 | 3 |
3 34.9 +70.5 | 257 | 3 |

3 35.0 +70.4 | 257 | 3 |
3 3.21 +60.9 | 735 | 3 |

4 3 +80.5 | 133 | 4 |

4 5 +80.6 | 134 | 4 |

3 45 +60.7 | 768 | 3 |

2 50 +80.9 | 97 | 2 |

3 35 +70.9 | 259 | 3 |

4 33 +80.9 | 155 | 4 |

3 40 +71.4 | 222 | 3 |

3 9.5 +61.5 | 559 | 3 |

[[end]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

38

October 14, 1886.

Plate 258.

[[8 columned table]]

[V|H|Type|No. Remark|No. Lines|K|Focus|Other Lines|

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

10.5|21.3|||4|N|1|-|

Recorded on p. 36 ~~9.7|11.1|||3|N|1|~~~~[[/strikethrough]]~~

9.0|10.1|||~~3~~~~[[/strikethrough]]~~4|N|1|-|

7.6|9.1|||7|N|3|-|

7.4|10.9|||~~5~~~~[[/strikethrough]]~~6|K=.5H|1|-|

7.4|11.7|~~[[/strikethrough]]~~~~[[/strikethrough]]~~11^[[a]]|56|

~~6~~~~[[/strikethrough]]~~2|K=H|3|seen|

6.9|11.9|~~[[/strikethrough]]~~~~[[/strikethrough]]~~11?|

~~3~~~~[[/strikethrough]]~~2|~~[[/strikethrough]]~~N~~[[/strikethrough]]~~K=

H|1|seen|

7.0|14.6|||4|N|1|-|

6.0|12.2|||6|~~[[/strikethrough]]~~N~~[[/strikethrough]]~~K=.1H|3|-|

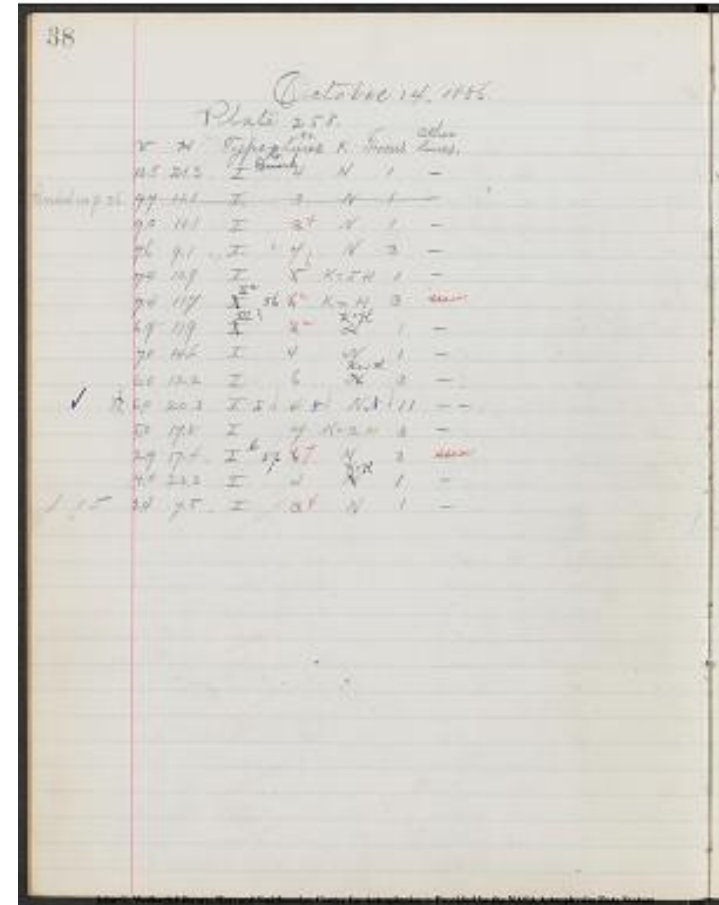
6.0|20.3|||4 5|N N|1 1|-|

5.0|17.8|||7|K=.2H|3|-|

2.9|17.4|||~~57~~~~[[/strikethrough]]~~6|~~[[/strikethrough]]~~7|N|3|seen|

4.0|23.3|||4|~~[[/strikethrough]]~~N~~[[/strikethrough]]~~K=H|1|-|

1 15 2.4|7.8|||~~3~~~~[[/strikethrough]]~~4|N|1|-|

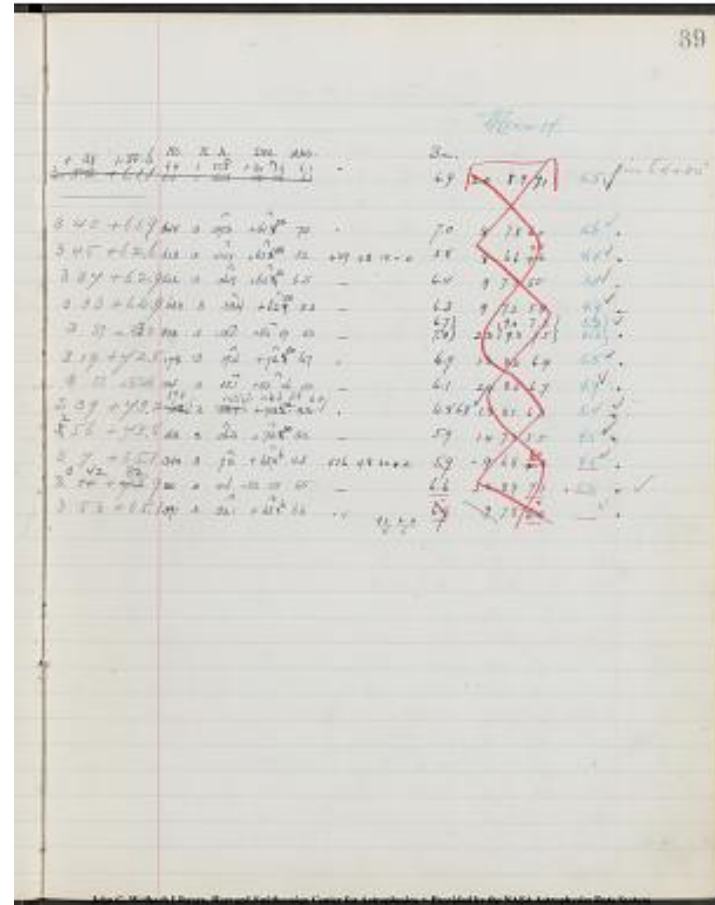


Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

39

Mean 14

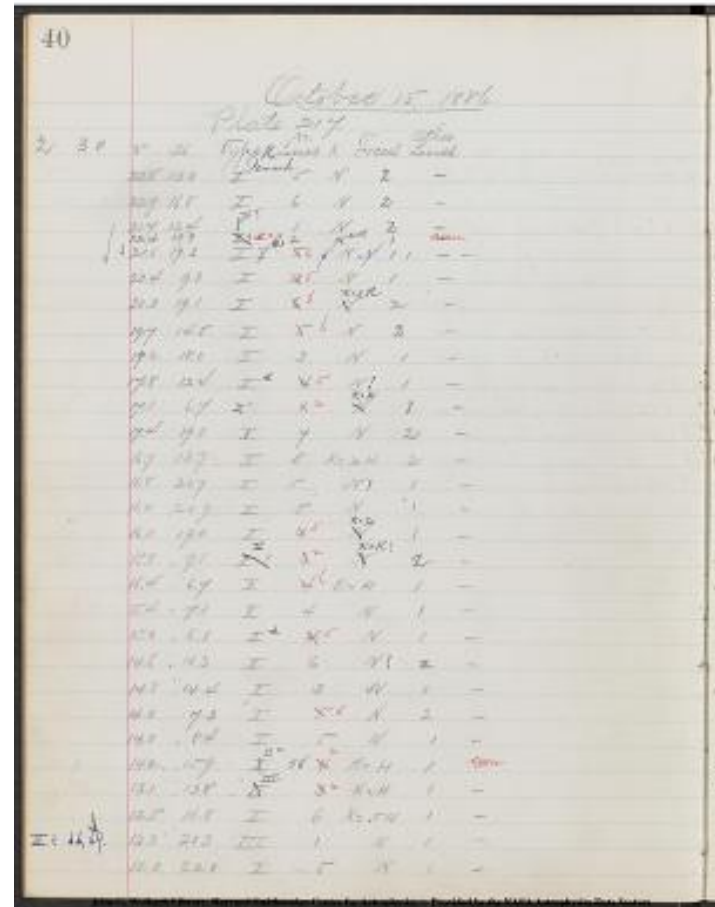
[[11 columned table]]
 | No. | R.A. | DEC. | MAG. | Br. | | | |
 |-----|-----|-----|-----|-----|-----|-----|
 1|51+80.6|64|1|51.8+80|36|6.1|. | | | 6.9 ~~[[crossed-out]]~~
 2.0|8.9|7.1|~~[[crossed-out]]~~ 5.5|~~[[symbol-check]]~~ ~~[[symbol-star]]~~ in 64+80
~~[[crossed-out]]~~ 3|52+61.1|64|1|51.8+180|36|6.1|~~[[crossed-out]]~~
 |-----|-----|-----|-----|-----|-----|-----|
 3|40+61.9|64|3|39.8|+61|~~[[crossed-out]]~~ 9|~~[[crossed-out]]~~ 53|7.0|. | |
 |7.0|~~[[crossed-out]]~~ 8|7.8|6.0|~~[[crossed-out]]~~ 5.6|~~[[symbol-check]]~~.



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 15, 1886
Plate 217.

2 30|v|H|Type No.|Remark|No. Lines|K|Focus|Other Lines
22.8|13.0|||5|N|2|-
22.9|16.8|||6|N|2|-
21.7|12.4|[[[strikethrough]]] ? [[/[strikethrough]]] II?|1|N|2|-
22.4|19.9|[[[strikethrough]]] I? [[/[strikethrough]]] IIa?|2|[[[strikethrough]]] N
[[/[strikethrough]]] K=H|1|seen
21.1|19.3|||[[[strikethrough]]] I [[/[strikethrough]]] 61|[[[strikethrough]]] 5
[[/[strikethrough]]] 6|N [[/[strikethrough]]] N [[/[strikethrough]]] 1|-
20.4|9.3|||[[[strikethrough]]] 3 [[/[strikethrough]]] 5|N|1|-
20.3|19.1|||[[[strikethrough]]] 6 [[/[strikethrough]]] 8|[[[strikethrough]]] N
[[/[strikethrough]]] K=2H|2|-
19.7|14.5|||[[[strikethrough]]] 5 [[/[strikethrough]]] 6|N|2|-
19.2|18.0|||3|N|1|-
17.8|12.4|Id||5|N?|1|-
17.1|6.7|II?|2|[[[strikethrough]]] N [[/[strikethrough]]] K=H|1|-
17.4|19.0|||7|N|2|-
16.7|13.7|||8|K=2H|2|-
16.8|20.7|||5|N?|1|-
16.0|20.9|||5|N|1|-
16.0|19.0|||[[[strikethrough]]] 3 [[/[strikethrough]]] 5|[[[strikethrough]]] N
[[/[strikethrough]]] K=H|1|-
15.8|9.1|[[[strikethrough]]] I? [[/[strikethrough]]] II|[[[strikethrough]]] 3
[[/[strikethrough]]] 2|[[[strikethrough]]] N [[/[strikethrough]]] K=H?|1|-
16.4|6.7|||[[[strikethrough]]] 4 [[/[strikethrough]]] 6|K=H|1|-
15.4|7.1|||4|N|1|-
15.0|6.1|Id||[[[strikethrough]]] 4 [[/[strikethrough]]] 5|N|1|-
14.6|10.3|||6|N?|2|-
14.8|14.4|||3|N|1|-
14.0|7.3|||[[[strikethrough]]] 5 [[/[strikethrough]]] 6|N|2|-
14.0|8.4|||5|N|1|-
14.2|15.9|[[[strikethrough]]] I [[/[strikethrough]]] IIa|58|[[[strikethrough]]] 4
[[/[strikethrough]]] 2|K=H|1|seen
13.1|13.8|[[[strikethrough]]] II [[/[strikethrough]]] III|[[[strikethrough]]] 3
[[/[strikethrough]]] 2|K=H|1|-
12.5|16.8|||6|K=.5H|1|-
II? 6.6, 6.9|12.3|20.3|III||1|N|1|-
12.0|22.0|||5|N|1|-



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 13

[[10 columned table]]
 | No. | R.A. | DEC. | MAG. | | Br. | | Ex. |
 |-----|-----|-----|-----|-----|-----|-----|
 4 7 +49.9|1150|4 7.4[^][[]]]+49[^][[]]
~~[[/del]]9~~[[/del]]56|4.8|719 4.6 [[/del]]20 -~~
~~3[^][[/del]]~~[[/del]]6.1[^][[/del]]~~[[/del]]5 6.6 [[/del]]~~~~
~~4.6[^][[/del]]~~[[/del]]~~.1|~~
 |3 55.9 +49.9|1101|-3 55.8[^][[]]]+49[^][[]] ~~[[/del]]9~~
~~[[/del]]57|4.2|671 4.5 [[/del]]19 -3[^][[/del]]-1|~~
~~[[/del]]5.9[^][[/del]]~~[[/del]]~~.5 6.4~~
~~[[/del]]4.4[^][[/del]]~~[[/del]]~~.1|~~
 |4 9 +50.6|973|4 9.2[^][[]]]+50[^][[]] ~~[[/del]]6~~[[/del]]~~34|~~
~~6.1|~~[[/del]]~~6.5~~[[/del]]~~5 7.0~~
~~[[/del]]5.0~~[[/del]]~~5.2 ~~[[/del]]~~.1|~~
 |3 45.9 +50.3|860|3 45.9[^][[]]]+50[^][[]]
~~[[/del]]3~~[[/del]]~~16|5.7|~~
~~[[/del]]6.9~~[[/del]]~~5 7.4~~
~~[[/del]]5.4~~[[/del]]~~5.6 ~~[[/del]]~~.1|~~
 |3 ~~[[/del]]~~42.9~~[[/del]]~~34
 +~~[[/del]]~~60.8~~[[/del]]~~70.4~~[[/del]]~~762~~[[/del]]~~
~~[[/del]]257~~[[/del]]~~3 42.6~~[[/del]]~~3
 34.2[^][[]]]~~[[/del]]~~+60 7[^][[44]] ~~[[/del]]~~+70
 25[^][[]]]~~[[/del]]~~7.8~~[[/del]]~~5.7|.1
~~[[/del]]6.7~~[[/del]]~~6.7~~[[/del]]~~8 7.7~~
~~[[/del]]5.7~~[[/del]]~~5.4~~[[/del]]~~.3|~~
 |4 35 +70.8|322|4 34.4[^][[]]]+70[^][[]] 40|6.3|.7.0~~[[/del]]~~1.2 8.2
~~6.2~~[[/del]]~~5.7 .3|~~
~~[[/del]]3 47 +51.3~~[[/del]]~~3 35 +70.9~~[[/del]]~~~~
~~814~~[[/del]]~~259~~[[/del]]~~3 47.3~~[[/del]]~~3~~
~~35.1[^][[]]]~~[[/del]]~~51 3[^][[18]]~~[[/del]]~~+70[^][[]] 52|~~
~~[[/del]]8.0~~[[/del]]~~4.3|~~[[/del]]~~6.0~~[[/del]]~~1.2 7.2~~
~~5.2~~[[/del]]~~4.7 .3|~~
 |4 4 +61.5|687|4 4.2[^][[]]]+61[^][[]] ~~[[/del]]5~~[[/del]]~~29|~~
~~5.5|705 5.6 18 ~~[[/del]]~~4[^][[/del]]~~
~~2[^][[/del]]~~[[/del]]~~6.6~~[[/del]]~~8 7.4~~
~~5.4~~[[/del]]~~5.3 .2|~~
 |3 41 +71.4|222|3 41.0[^][[]]]+71 22[^][[]]]6.5|.7.0~~[[/del]]~~1.2 8.2
~~6.2~~[[/del]]~~5.7 .3|~~
 |4 17 +72.2|227|4 16.8[^][[]]]+72[^][[]] 13|6.0| .7.0~~[[/del]]~~1.3 8.3
~~6.3~~[[/del]]~~5.7 .3|~~
 |4 28.5 +52.8|865|4 28.5[^][[]]]+52[^][[]]
~~[[/del]]8~~[[/del]]~~47|5.4|~~[[/del]]~~6.8~~[[/del]]~~~~
~~[[/del]]5.7.3 ~~[[/del]]~~5.3~~[[/del]]~~5.5 ~~[[/del]]~~~~
~~.1|~~
 |3 44 +62.7|628|3 44.7[^][[]]]+62[^][[]] ~~[[/del]]6~~[[/del]]~~~~
~~38|5.2|639 4.8 20 ~~[[/del]]~~2[^][[/del]]~~[[/del]]~~~~
~~1|6.0~~[[/del]]~~8 6.8~~
 4.~~[[/del]]~~6~~[[/del]]~~8~~[[/del]]~~4.7 .2|
 |4 5 +53.2|750|4 5.4[^][[]]]+53[^][[]]
~~[[/del]]2~~[[/del]]~~14|5.0|~~[[/del]]~~6.1~~[[/del]]~~6 6.7~~
~~4.7~~[[/del]]~~4.8 .1|~~
 |3 37 +62.9|612|3 36.9[^][[]]]+62[^][[]] ~~[[/del]]8~~[[/del]]~~~~
~~6.5| 6.5~~[[/del]]~~9 7.4 5.4~~[[/del]]~~5.2 .2|~~
 |3 19 +72.9|178|3 19.4[^][[]]]+72[^][[]] 50|6.7|.6.9~~[[/del]]~~1.3 8.2
~~6.2~~[[/del]]~~5.6 .3|~~
 |3 47 +53.7|718|3 47.5[^][[]]]+53[^][[]] 34|6.8|~~[[/del]]~~7.0~~[[/del]]~~6 7.6~~~~~~

41

~~5.6~~5.7|.1|
 |4 5 +53.2|.750|4 5.4^[] +53^[]
~~2~~14|5.0|--|6.1|~~6.6~~7
~~4.7~~4.8|.1|
 |3 37 +62.9|.612|3 36.9^[] +62.^[]
~~8~~51|6.5| |6.5|~~9~~7.4
~~5.4~~5.2|.2|

|3 19 +72.9|.178|3 19.4^[] +72^[]
 50|6.7|.6.9|~~1.3~~8.2 6.2|~~5.6~~.|3|

|3 47 +53.7|.718|3 47.5^[]
 +53^[].~~6~~36|6.0|--|7.0|~~6~~
 7.6 5.6|~~5.7~~.|1|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Plate 217.

[illegible]

13.3|23.7|1 ^[[No. Remark]] 5|N|2|-

11.7|18.1||3|~~N~~^{[[K=H]]}|1|-

10.7|8.5|~~2~~3|N|1-

10.8|11.2|I|5|K=.8H|1|-

10.9|12.5|~~3~~~~6~~~~N~~~~K~~=~~.3H~~1|-

10.9|14.5|I|[[~~4~~]]5|N|1|-

10.0|7.2|~~[[[strikethrough]]I?[[/strikethrough]]^[[[II?]]]~~6?N|3|

9.7|13.7|I|5|N|1|-

9.0|14.3|I|5|N?|1|-

9.2	14.5	1	5	N	1	-
-----	------	---	---	---	---	---

10.0|19.6||4|~~N~~^{[[K=H]]}|1|-

9.6|21.3|I|5|N|1|-

9.0|20.7|~~3~~~~5~~?~~?~~
ough]]^{[[K=H]]}1|-

9.0|18.7|I|5|N|1|-

9.0|8.4|~~4~~5|N|1|-

8.7|9.0|~~[[strikethrough]]|^{/strikethrough}^[[|a]]~~

59|~~3~~2|N|1|⁻^[[seen.]]

8.7|11.1||5|N|1|-

8.0|11.7|I|~~3~~4|N|1|-

8.4|13.9|II|2|K=H|1|-

8.1|20.1|I|5|N|1|-

6.9|18.1|I|~~3~~4|N|1|-

7.3[21.2][~~5~~6~~N~~]^[K=.5H]1|-

6.5|19.5|~~5~~~~6~~N~~5~~^{K=5H}1|-

6.0|17.2|1?|7|K=H|2|-

6.5 13.7 1[^][[a]]4[[~~strikethrough~~N[/del]][^][[K=H]]1|-

4.7|12.5||5|~~N~~[^][K=.5H]]1|-

$$3.6|9.2|[\text{[strikethrough]}]I[\text{[/strikethrough]}]^{\text{[|la]}}$$

60[[~~4~~]]2[[~~N~~]]^
[[K=H]]1|^[[seen]]

3|45|1.9|15.9||2|N|1|-

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

43

Mean 13

[[10 columned table]]
 | No. | R.A. | DEC. | MAG. | | Br. | | Ex. |
 |-----|-----|-----|-----|-----|-----|-----|
 2 56 +73.9|168|2 56.3|+73 50|5.2|493 4.7 28
~~[[+6^[[+3]]]]~~7[[underlined]]6.1[[underlined]]
~~[[1.4 7.5]]~~
~~[[5.3]]~~^[[5.5]]~~[[5.7]]~~[[underlined]]
 4.8[[underlined]]
 |3 50 +55.7|839|3 49.9|+55 37|7.5|-7.0|~~[[6 7.6]]~~
 5.6~~[[5.7]]~~

Handwritten astronomical observation reduction table. The table has columns for No., R.A., DEC., MAG., and other data. The table contains multiple rows of data, some of which are crossed out with red ink.

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 16, 1886.

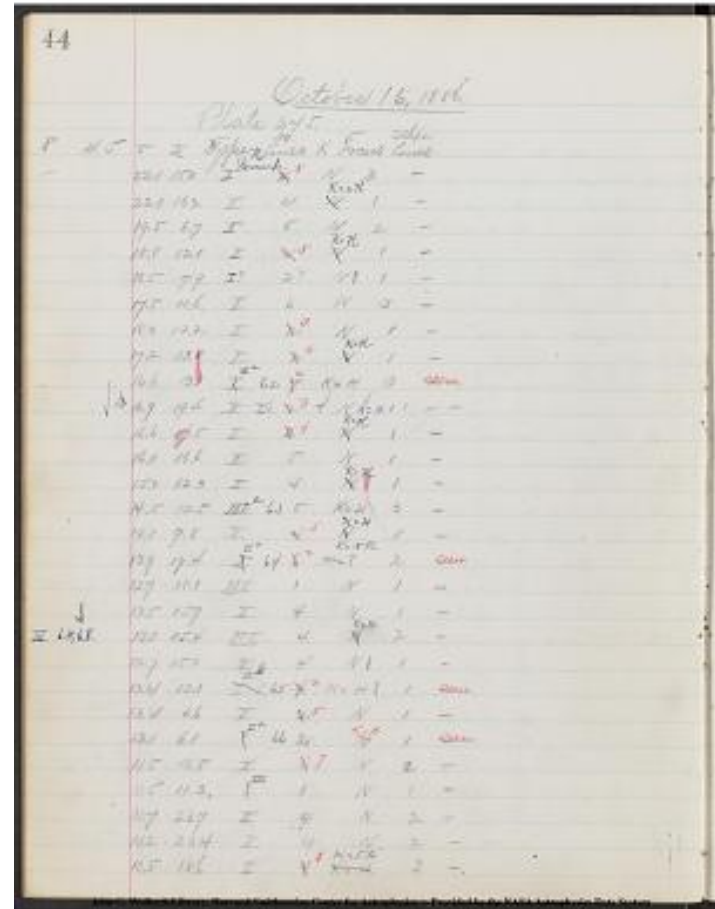
Plate 275.

[[left margin]]
8 45
[[/left margin]]

[[8 columned table]]

V	H	Type	No.	Remark.	No.	Lines	K	Focus	Other Lines.
22.1	15.0	I	1	[[/strickethrough]]4[[/strickethrough]]5 N 3 -					
22.0	16.2	I	4	[[/strickethrough]]N[[/strickethrough]]K=.2H 1 -					
19.5	6.7	I	1	5 N 2 -					
18.8	12.0	I	1	[[/strickethrough]]4[[/strickethrough]]5[[/strickethrough]]N[[/strickethrough]]K=					
18.5	7.9	I	1	2? N? 1 -					
17.5	11.6	I	1	6 N 3 -					
18.0	12.2	I	1	[[/strickethrough]]2[[/strickethrough]]3 N 1 -					
17.2	13.0	I	1	[[/strickethrough]]2[[/strickethrough]]4[[/strickethrough]]N[[/strickethrough]]K=					
16.6	13.1	I	1	[[/strickethrough]]1[[/strickethrough]]1a 62 [[/strickethrough]]7[[/strickethrough]]2 K=H 3 seen					
16.9	19.4	I	1	1 1 [[/strickethrough]]2[[/strickethrough]]3 4 N K=H 1 1 -					
16.6	17.5	I	1	[[/strickethrough]]2[[/strickethrough]]4[[/strickethrough]]N[[/strickethrough]]K=					
16.0	16.6	I	1	5 N 1 -					
15.0	12.3	I	1	4 [[/strickethrough]]N[[/strickethrough]]K=H 1 -					
14.5	12.5	I	1	1c. 63 5 K=H 3 -					
14.1	9.8	I	1	[[/strickethrough]]4[[/strickethrough]]5[[/strickethrough]]N[[/strickethrough]]K=					
13.9	19.4	I	1	[[/strickethrough]]1[[/strickethrough]]1a 64 [[/strickethrough]]6[[/strickethrough]]2 K=H 1 seen					
13.7	18.1	I	1	1 N 1 -					
13.5	15.9	I	1	1 4 N 1 -					
13.4	13.1	I	1	1 1b 65 [[/strickethrough]]4[[/strickethrough]]2 K=H 1 seen					
13.4	6.6	I	1	[[/strickethrough]]2[[/strickethrough]]5 N 1 -					
13.1	6.1	I	1	[[/strickethrough]]1a 66 2 [[/strickethrough]]N[[/strickethrough]]K=H 1 seen					
11.5	10.5	I	1	[[/strickethrough]]6[[/strickethrough]]7 N 2 -					
11.5	11.3	I	1	[[/strickethrough]]1 N 1 -					
11.7	23.7	I	1	4 N 2 -					
11.2	23.4	I	1	4 N 2 -					
10.5	18.6	I	1	[[/strickethrough]]4[[/strickethrough]]5[[/strickethrough]]K=H 1 seen					
10.5	18.6	I	1	K=.5H 2 -					

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



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

45
Mean 12

[[9 columned table]]
| No. | R.A. | DEC. | MAG. | | Br. | | |
|-----|-----|-----|-----|-----|-----|-----|
4 39 +66.1 | 358 | 4 39.6 | +66 4 | 5.0 |
836 4.4 2.1 + 2 |
[[underlined]] 5.5 [[/underlined]] [[/strickethrough]] 1.0 6.5
[[/underlined]] 4.6 [[/underlined]] [[/strickethrough]] [[/underlined]] 4.3 [[/underli
ned]]. |

| 4 36 +56.5 | 973 | 4 36.0 | +56 30 | 5.8 | | |
[[underlined]] 6.6 [[/underlined]] [[/strickethrough]] 6 7.2
[[underlined]] 5.3 [[/underlined]] [[/strickethrough]] [[/underlined]] 5.4 [[/underli
ned]]. |

| 5 11
+57.4 | 879 | [[/strickethrough]] 4 [[/strickethrough]] 5 [[/strickethrough]] 11.0 [[/stri
kethrough]] 11.1 +57 24 | 5.3 | 953 5.3 19 ± 0 |
[[underlined]] 6.5 [[/underlined]] [[/strickethrough]] 7 7.2
[[underlined]] 5.3 [[/underlined]] [[/strickethrough]] [[/underlined]] 5.3 [[/underli
ned]]. |

5 8 +77.8 | 195 5 7.2^ +77^ 50 7.0 | | |
6.9 [[crossed out]] 1.7 8.6 6.7 [[/crossed out]] | 5.7. |

5 7 +57.9 | 874 5 7.0^ +57^ 57 6.5 |
6.6 [[crossed out]] .7 7.3 5.4 [[/crossed out]] | 5.4. |

4 5 +58.8 * {[[above]] 805 4 53.6^ +58^ 49 6.5 [[/above]] [[below]] 804 4
53.6 +58 45 6.0 [[/below]]} | 885 5.1 14.5 |
5.8 [[crossed out]] .7 6.5 4.6 [[/crossed out]] | 4.6. |

5 6 +78.2 | 187 5 6.1^ +78^ 8 7.0 | . |
7.1 [[crossed out]] 1.7 8.8 6.9 [[/crossed out]] | 5.9. |

4 51 +68.8 | 361 4 50.6^ +68^ 46 6.5 | | |
7.2 [[crossed out]] 1.1 8.3 6.4 [[/crossed out]] | 6.0. |
4 58 +79.0 | 169 4 58.8^ +79^ 3 5.2 | | |
5.8 [[crossed out]] 1.8 7.6 5.7 [[/crossed out]] | 4.6. |

4 14 +69.0 | 258 4 14.7^ +69^ 2 7.0 | . |
7.2 [[blueink]] 7.0 [[/blueink]] | [[crossed out]] 1.1 8.3 6.4 [[/crossed out]] |
6.0. |

4 31 +59.2 | 826 4 30.8^ +59^ 14 6.9 | | |
7.0 [[crossed out]] .7 7.7 5.8 [[/crossed out]] | |
5.8 .

4 22 +79.4 | 150 4 21.7^ +79^ 21 7.0 | . |
6.8 [[crossed out]] 1.8 8.6 6.7 [[/crossed out]] | 5.6. |

5 9 +79.7 | 173 5 9.0^ +79^ 43 7.7 | | |
6.9 [[crossed out]] 1.9 8.8 6.9 [[/crossed out]] | 5.7. |

$4.50 + 60.2 \mid 856.4 \cdot 50.6^{+60} \cdot 13.5.0 \mid _ \mid$
 $\left\{ \left[\text{above} \right] 5.8 \left[\text{above} \right] \left[\text{below} \right] 5.9 \left[\text{below} \right] \right\} \left[\text{crossed out} \right]$
 $.8 \left\{ \left[\text{above} \right] 6.6 \cdot 4.7 \left[\text{above} \right] \left[\text{below} \right] 6.7 \cdot 4.8 \left[\text{below} \right] \right\} \mid \left[\text{above} \right] 4.6$
 $\left[\text{above} \right] \left[\text{below} \right] 4.7 \left[\text{below} \right] \mid$
 $5.10 + 70.1 \mid 351.5 \cdot 10.6^{+70} \cdot 6.6.7 \mid _ \mid$
 $7.1 \left[\text{crossed out} \right] \cdot 1.2 \cdot 8.3 \cdot 6.4 \left[\text{crossed out} \right] \mid 5.9 \mid$

$3.47 + 80.3 \mid 125.3 \cdot 46.0^{+80} \cdot 18.4.9 \mid _ \mid$
 $6.0 \left[\text{crossed out} \right] \cdot 1.9 \cdot 7.9 \cdot 6.0 \left[\text{crossed out} \right] \mid 4.8 \mid$

$4.2 + 80.5 \mid 133.4 \cdot 2.0^{+80} \cdot 28.5.7 \mid _ \mid$
 $\left\{ \left[\text{above} \right] 6.7 \left[\text{above} \right] \left[\text{below} \right] 7.0 \left[\text{below} \right] \right\} \left[\text{crossed out} \right] 2.0 \}$
 $\left\{ \left[\text{above} \right] 8.7 \cdot 6.8 \left[\text{above} \right] \left[\text{below} \right] 9.0 \cdot 7.1 \left[\text{below} \right] \right\} \mid \left[\text{above} \right] 5.5$
 $\left[\text{above} \right] \left[\text{below} \right] 5.8 \left[\text{below} \right] \mid$
 $4.34 + 70.7 \mid 322.4 \cdot 34.4^{+70} \cdot 40.6.3 \mid \dots \mid$
 $6.4 \mid \left[\text{crossed out} \right] \cdot 1.2 \cdot 7.6 \cdot 5.7 \left[\text{crossed out} \right] \mid 5.2 \mid$
 $4.33 + 80.9 \mid 155.4 \cdot 33.4^{+80} \cdot 56.5.5 \mid _ \mid$
 $\left\{ \left[\text{above} \right] 6.6 \left[\text{above} \right] \left[\text{below} \right] 6.9 \left[\text{below} \right] \left[\text{crossed out} \right] 2.0 \right\}$
 $\left\{ \left[\text{above} \right] 8.6 \cdot 6.7 \left[\text{above} \right] \left[\text{below} \right] 8.9 \cdot 7.0 \left[\text{below} \right] \right\} \mid \left[\text{above} \right] 5.4$
 $\left[\text{above} \right] \left[\text{below} \right] 5.7 \left[\text{below} \right] \mid$

$441 + 60.2 \mid 739.4 \cdot 40.6^{+61} \cdot 14.6.9 \mid$
 $6.8 \left[\text{crossed out} \right] \cdot .8 \cdot 7.6 \cdot 5.7 \left[\text{crossed out} \right] \mid 5.6 \mid$

$449 + 60.8 \mid 853.4 \cdot 48.6^{+60} \cdot 51.7.0 \mid _ \mid$
 $6.4 \left[\text{crossed out} \right] \cdot .8 \cdot 7.2 \cdot 5.3 \mid 5.2 \mid$

$615 + 79.7 \mid 20 \left[? \right] \cdot 6.15.4^{+79} \cdot 41.6.3 \mid 1209.6.3 \cdot 26.7 \mid$
 $\left[\text{underlined} \right] 7.0 \left[\text{underlined} \right] \left[\text{crossed out} \right] \cdot 1.9 \cdot 8.9 \left[\text{underlined} \right] 7.0$
 $\left[\text{underlined} \right] \left[\text{crossed out} \right] \mid \left[\text{underlined} \right] 5.8 \left[\text{underlined} \right]$
 $\left[\text{checkmark} \right] .$

$622 + 79.7 \mid 212.6 \cdot 21.4^{+79} \cdot 42.5.5 \mid _ \mid$
 $\left[\text{underlined} \right] 6.6 \left[\text{underlined} \right] \left[\text{crossed out} \right] \cdot 1.9 \cdot 8.5 \left[\text{underlined} \right] 6.6$
 $\left[\text{underlined} \right] \left[\text{crossed out} \right] \mid \left[\text{underlined} \right] 5.4 \left[\text{underlined} \right] .$

$5.0 + 61.6 \mid 766.4 \cdot 59.8^{+61} \cdot 40.6.7 \mid \dots \mid$
 $6.3 \left[\text{crossed out} \right] \cdot .8 \cdot 7.1 \cdot 5.2 \left[\text{crossed out} \right] \mid 5.1 \mid$

$5.3 + 71.6 \mid 299.5 \cdot 3.8^{+71} \cdot 33.6.8 \mid _ \mid$
 $\left\{ \left[\text{above} \right] 6.8 \left[\text{above} \right] \left[\text{below} \right] 7.1 \left[\text{below} \right] \right\} \left[\text{crossed out} \right] 1.2 \}$
 $\left\{ \left[\text{above} \right] 8.0 \cdot 6.1 \left[\text{above} \right] \left[\text{below} \right] 8.3 \cdot 6.4 \left[\text{below} \right] \right\} \left[\text{crossed out} \right] \mid$
 $\left[\text{above} \right] 5.6 \left[\text{above} \right] \left[\text{below} \right] 5.9 \left[\text{below} \right] \mid$

$4.4 + 61.5 \mid 687.4 \cdot 4.2^{+61} \cdot 29.5.5 \mid 705.5.6 \cdot 12.7 \mid$
 $\left[\text{underlined} \right] 6.0 \left[\text{underlined} \right] \left[\text{crossed out} \right] \cdot .8 \cdot 6.8 \left[\text{underlined} \right] 4.9$
 $\left[\text{underlined} \right] \mid \left[\text{underlined} \right] 4.8 \left[\text{underlined} \right] \mid$

$2.50 + 80.8 \mid 97.2 \cdot 49.6^{+80} \cdot 54.5.5 \mid 476 \left[\text{strikethrough} \right] 5.8$
 $\left[\text{strikethrough} \right] \left[\text{above} \right] 6.0 \left[\text{above} \right] \left[\text{strikethrough} \right] 2.6$
 $\left[\text{strikethrough} \right] \left[\text{above} \right] 2.4 \left[\text{above} \right] \left[\text{strikethrough} \right] + 7$
 $\left[\text{strikethrough} \right] \left[\text{above} \right] + 5 \left[\text{above} \right] \mid$
 $\left[\text{underlined} \right] 6.4 \left[\text{underlined} \right] \left[\text{crossed out} \right] 2.0 \cdot 8.4 \left[\text{underlined} \right] 6.5$
 $\left[\text{underlined} \right] \left[\text{crossed out} \right] \mid \left[\text{underlined} \right] 5.2 \left[\text{underlined} \right] .$

4 17 +72.2 | 227 4 16.8^ +72^ 13 6.0 | _ |
6.5 1.3 7.8 5.9 | 5.3.|

*Spectra of both stars superimposed on plate. meas. of brightness is
combined light of both.
John G. Wolbach Library Harvard-Smithsonian Center for Astrophysics .
Provided by the NASA Astrophysics Data System

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

October 16, 1886.

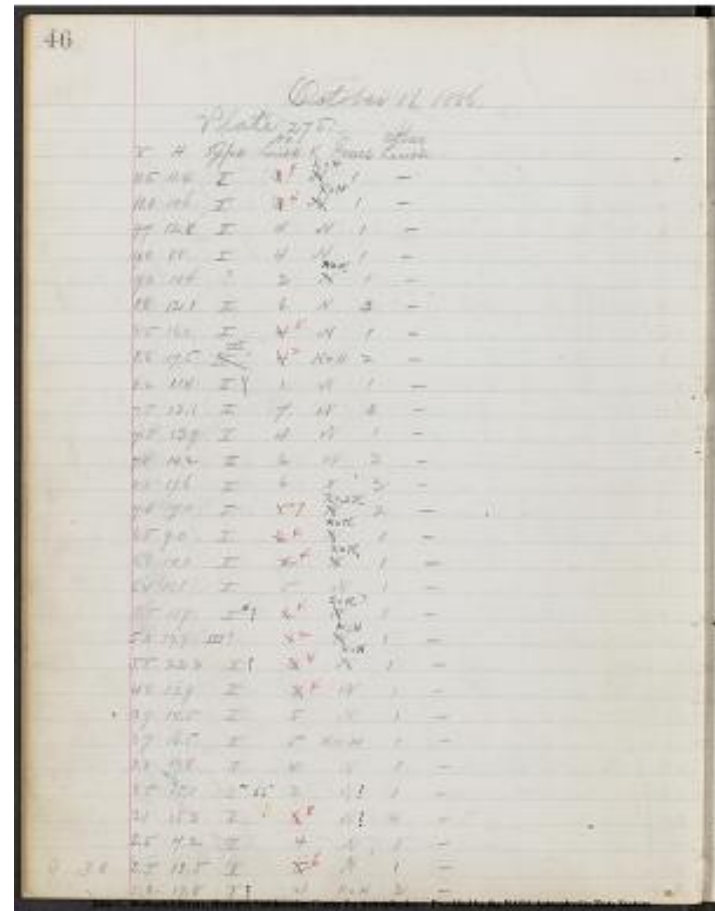
Plate 275:

[[7 columned table]]

[[V|H|Type|No. Lines|K|Focus|Other Lines.]]

10.5	11.4	I	[[3]]	[[4]]		
[[N]]	[[K=H]]	1	-			
10.0	10.6	I	[[3]]	[[4]]		
[[N]]	[[K=H]]	1	-			
9.7	12.8	I	4	N	1	-
9.0	8.8	I	4	N	1	-
9.0	10.4	?	2	[[N]]	[[K=H]]	1 -
8.6	12.1	I	6	N	3	-
8.5	16.0	I	[[4]]	[[5]]	N	1 -
8.8	17.5	[[II]]	[[II]]			
[[4]]	[[2]]	K=H	2	-		
8.2	11.4	[[?]]	[[?]]	1	N	1 -
7.5	13.1	I	7	N	3	-
7.5	13.9	I	4	N	1	-
7.4	14.2	I	6	N	2	-
8.0	17.6	I	6	N	3	-
7.4	19.0	I	[[5]]	[[7]]		
[[N]]	[[K=]]	2H	2	-		
6.5	9.0	I	[[2]]	[[4]]		
[[N]]	[[K=H]]	1	-			
6.0	10.0	I	[[2]]	[[4]]		
[[N]]	[[K=H]]	1	-			
6.4	11.1	I	5	N	1	-
5.5	11.9	I [^] [[d]]	[[?]]	[[2]]	[[4]]	
[[N]]	[[K=H?]]	1	-			
5.3	19.9	III?	[[1]]	[[2]]		
[[N]]	[[K=H]]	1	-			
5.5	22.3	I?	[[3]]	[[4]]		
[[N]]	[[K=H]]	1	-			
4.0	13.9	I	[[3]]	[[4]]	N	1 -
3.9	14.5	I	5	N	1	-
3.7	16.5	I	5	K=H	1	-
3.3	19.8	I	4	N	1	-
3.5	15.1	I [^] [[a]]	66 [^] [[a]]	2	N?	4 -
3.1	15.3	I	[[6]]	[[8]]	N?	4 -
2.5	7.2	I	4	N	1	-
9 30	2.5	13.5	I	[[5]]	[[6]]	N 1 -
2.2	17.8	I?	4	K=H	2	-

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



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 121.

[[10 columned table]]
	NO.	R.A.	DEC.	MAG.		Br.		
 4 56 | +62.3 | 730 | 4 56.3 ^[[^]] | +62 ^[[^]] 17 | 7.0 | -- | 6.7 |
~~[[strikethrough]] .8 7.5 5.6 | 5.5 .~~
 5 0 | +62.5 | 734 | 5 0.1 ^[[^]] | +62 30 ^[[^]] | 6.7 | -- | 6.6 |
~~[[strikethrough]] .8 7.4 5.4 | 5.4 .~~
 4 55 | +72.5 | 258 | 4 55.0 ^[[^]] | +72 ^[[^]] 33 | 7.9 | . | 6.9 |
~~[[strikethrough]] 1.3 8.2 6.3 | 5.7 .~~
 6 13 | +82.2 | 177 | 6 13.8 ^[[^]] | +82 ^[[^]] 13 | 6.7 | . | 6.5 |
~~[[strikethrough]] 2.2 8.7 6.8 | 5.3 .~~
 5 1 | +62.9 | 735 | 5 1.0 ^[[^]] | +62 ^[[^]] 55 | 7.5 | -- | 6.8 |
~~[[strikethrough]] .9 7.7 5.8 | 5.6 .~~
 5 0 | +73.1 | 280 | 5 0.4 ^[[^]] | +73 ^[[^]] 6 | 5.8 | 918 5.7 15 -4 | 5.9 |
~~[[strikethrough]] 1.3 7.2 6.1 | 4.7 .~~
 4 ~~[[strikethrough]]~~ 39 ~~[[strikethrough]]~~ ^[[36]] | +63.4 | ~~[[strikethrough]]~~
 543 ~~[[strikethrough]]~~ ^[[536]] | ~~[[strikethrough]]~~ 4 38.6 ~~[[strikethrough]]~~
 ^[[4 36.6^[[^]]]] | ~~[[strikethrough]]~~ +63 15 ~~[[strikethrough]]~~ ^[[+63 22
 ^[[^]]]] | ~~[[strikethrough]]~~ 5.8 ~~[[strikethrough]]~~ ^[[7.0]] | 831 5.9 18 -1 | 6.8 |
~~[[strikethrough]] .9 7.7 5.8 | 5.6 .~~
 3 58 | +82.9 | 113 | 3 58.5 ^[[^]] | +82 ^[[^]] 59 | 5.0 | -- | ^[[6.5]] 6.8 |
~~[[strikethrough]] 2.3 | ^[[8.8 6.6 ^[[9]]]] 9.1 7.2 | ^[[5.3]] 5.6 .~~
 4 57 | +63.4 | 566 | 4 57.0 ^[[^]] | +63 ^[[^]] 23 | 7.0 | . | 7.0 |
~~[[strikethrough]] .9 7.9 6.0 | 5.8 .~~
 4 54 | +73.7 | 274 | 4 54.2 ^[[^]] | +73 ^[[^]] 45 | 5.5 | 890 5.5 17 -2 | 5.8 |
~~[[strikethrough]] 1.4 7.2 5.3 | 4.6 .~~
 5 1 | +83.7 | 141 | 5 0.6 ^[[^]] | +83 ^[[^]] 43 | 7.1 | . | 7.0 |
~~[[strikethrough]] 2.4 9.4 7.5 | 5.8 .~~
 4 46 | +73.8 | 265 | 4 46.4 ^[[^]] | +73 ^[[^]] 49 | 6.3 | 864 6.p 17 -2 | 6.3 |
~~[[strikethrough]] 1.4 7.7 5.8 | 5.1 .~~
 3 55 | +83.4 | 104 | 3 55.1 ^[[^]] | +83 ^[[^]] 26 | 5.0 | 684 5.4 28 +9 | 5.8 |
~~[[strikethrough]] 2.4 8.2 6.3 | 4.6 .~~
 4 23 | +63.9 | 515 | 4 22.9 ^[[^]] | +63 ^[[^]] 57 | 6.3 | -- | 6.4 |
~~[[strikethrough]] .9 7.3 5.4 | 5.2 .~~
 5 24 | +73.9 | 298 | 5 24.4 ^[[^]] | +73 ^[[^]] 54 | 6.8 | -- | 6.8 |
~~[[strikethrough]] 1.4 8.2 6.3 | 5.6 .~~
 5 18 | +74.3 | 249 | 5 18.2 ^[[^]] | +74 ^[[^]] 12 | 7.0 | -- | 6.9 |
~~[[strikethrough]] 1.4 8.3 6.4 | 5.7 .~~
 5 10 | +74.2 | 242 | 5 9.8 ^[[^]] | +74 ^[[^]] 10 | 7.1 | . | 6.8 |
~~[[strikethrough]] 1.4 8.2 6.3 | 5.6 .~~
 4 55 | +64.7 | 500 | 4 55.7 ^[[^]] | +64 ^[[^]] 43 | 6.9 | -- | 7.1 |
~~[[strikethrough]] .9 8.0 6.1 | 5.9 .~~
 2 58 | +84.5 | 59 | 2 58.8 ^[[^]] | +84 ^[[^]] 23 | 6.0 | -- | ^[[6.8]] 7.0 |
~~[[strikethrough]] 2.5 | ^[[9.3 7.4]] 9.5 7.6 | ^[[5.6]] 5.8 .~~
 4 7 | +64.8 | 433 | 4 7.1 ^[[^]] | +64 ^[[^]] 47 | 6.0 | -- | 6.8 |
~~[[strikethrough]] .9 7.7 5.8 | 5.6 .~~
 4 50 | +75.5 | 208 | 4 50.5 ^[[^]] | +75 ^[[^]] 29 | 7.3 | . | 7.2 |
~~[[strikethrough]] 1.5 8.7 6.8 | 6.0 .~~
 4 55 | +85.5 | 78 | 4 55.1 ^[[^]] | +85 ^[[^]] 32 | 7.0 | . | 6.8 |
~~[[strikethrough]] 2.8 9.6 7.7 | 5.6 .~~
 4 29 | +75.7 | 189 | 4 29.4 ^[[^]] | +75 ^[[^]] 40 | 6.0 | -- | 6.6 |
~~[[strikethrough]] 1.5 8.1 6.2 | 5.4 .~~
 4 ~~[[strikethrough]]~~ 4 ~~[[strikethrough]]~~ ^[[2]] | +75.7 | 173 | 4 2.4 ^[[^]] |
 +75 ^[[^]] 45 | 6.8 | . | 6.8 | ~~[[strikethrough]]~~ 1.5 8.3 6.4 | 5.6 . |
 4 39 | +85.7 | 74 | 4 41.0 ^[[^]] | +85 ^[[^]] 45 | 6.0 | . | 7.0 |
~~[[strikethrough]] 1.8 8.8 6.9 | 5.8 .~~

Mean 121.

NO.	R.A.	DEC.	MAG.	Br.	p
4 56	+62.3	730	4 56.3	17	7.0
5 0	+62.5	734	5 0.1	6.7	6.6
4 55	+72.5	258	4 55.0	33	7.9
6 13	+82.2	177	6 13.8	13	6.7
5 1	+62.9	735	5 1.0	55	7.5
5 0	+73.1	280	5 0.4	6	5.8
4 39	+63.4	566	4 57.0	23	7.0
4 54	+73.7	274	4 54.2	45	5.5
5 1	+83.7	141	5 0.6	43	7.1
4 46	+73.8	265	4 46.4	49	6.3
3 55	+83.4	104	3 55.1	26	5.0
4 23	+63.9	515	4 22.9	57	6.3
5 24	+73.9	298	5 24.4	54	6.8
5 18	+74.3	249	5 18.2	12	7.0
5 10	+74.2	242	5 9.8	10	7.1
4 55	+64.7	500	4 55.7	43	6.9
2 58	+84.5	59	2 58.8	23	6.0
4 7	+64.8	433	4 7.1	47	6.0
4 50	+75.5	208	4 50.5	29	7.3
4 55	+85.5	78	4 55.1	32	7.0
4 29	+75.7	189	4 29.4	40	6.0
4 4	+75.7	173	4 2.4		
4 39	+85.7	74	4 41.0	45	6.0

| 4 39 | +66.1 | 358 | 4 39.6 [^][[[^]]] | +66 [^][[[^]]] 4 | 5.0 | -- | 5.5 |
~~1.0 6.5 4.6 | 4.3 . |~~
~~5 45 ~~[[/del]] [^][[7 42]] | ~~[[/del]] +75.6~~~~
~~[^][[+84.5]] | ~~247 ~~[[/del]]~~~~~~
~~[^][[169]] | ~~5 45.2 ~~[[/del]] [^][[7 41.6 [^][[[^]]]]]~~~~~~
~~~~[[/del]] +75 34 ~~[[/del]] +84 <sup>^</sup>[[<sup>^</sup>]] 28 | ~~[[/del]]~~~~~~  
~~6.2 ~~[[/del]] <sup>^</sup>[[6.0]] | . | ~~[[/del]] 6.8 <sup>^</sup>[[.]]~~~~  
~~~~[[/underlined]] | 1.5 8.3 6.4 <sup>^</sup>[[.]] ~~[[/underlined]] | . |~~~~  
~~4 54 | +76.3 | 190 | 4 54.3 [^][[[^]]] | +76 [^][[[^]]] 17 | 6.7 | . | ~~[[/del]]~~~~
~~6.7 [^][[.]] ~~[[/underlined]] | 1.6 8.3 6.4 [^][[.]]~~~~
~~~~[[/underlined]] | . |~~~~  
~~3 19 | +86.2 | 51 | 3 19.5 <sup>^</sup>[[<sup>^</sup>]] | +86 <sup>^</sup>[[<sup>^</sup>]] 11 | 6.0 | ~~[[equation]]~~~~  
~~~~[[equation]] | ~~[[/del]] 6.5 <sup>^</sup>[[.]] ~~[[/underlined]] | 2.9~~~~~~  
~~9.4 7.5 [^][[.]] ~~[[/underlined]] | . |~~~~~~~~~~~~~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 18, 1886.

2 15 | Plate 341.

| left margin | V | H | Type No. remark | No. Lines | K | Focus | Other Lines. |

| 22.3 | 21.0 | | | ~~3~~ | ~~5~~ |
| ~~N~~ | ~~K=H~~ | 1 | _ |

| 22.0 | 18.3 | | | ~~3~~ | ~~5~~ |
| ~~N~~ | | 1 | _ |

| ~~19.8~~ | 10.0 | | | ~~4~~ | ~~5~~ |
| ~~3~~ | ~~4~~ | ~~N~~ | |
| ~~1~~ | ~~1~~ | _ |

| 19.3 | 23.4 | | | ~~2~~ | ~~4~~ |
| ~~N~~ | ~~K=H?~~ | 1 | _ |

| 18.6 | 16.9 | | | ~~5~~ | ~~6~~ | N | 2 | _ |

| ~~1~~ | ~~4~~ | ~~3~~ | 22.9 | | ~~1~~ | ~~5~~ |
| ~~3~~ | ~~5~~ | ~~4~~ | ~~N~~ | ~~K=4H~~ | ~~N~~ |
| ~~1~~ | ~~1~~ | _ |

| 18.0 | 23.6 | | | ~~4~~ | ~~6~~ | ~~K=4H~~.
| ~~N~~ | | 2 | _ |

| 17.0 | 18.5 | | | 5 | N | 1 | _ |

| 16.5 | 15.2 | | | ~~4~~ | ~~5~~ | N | 1 | _ |

| 16.0 | 15.4 | | | ~~3~~ | ~~4~~ | ~~K=H~~
| ~~N~~ | | 1 | _ |

| 15.5 | 13.5 | | | ~~3~~ | ~~4~~ | N | 1 | _ |

| 15.8 | 18.8 | | | ~~2~~ | ~~3~~ | N | 1 | _ |

| ~~15.6~~ | 10.0 | | | ~~1~~ | ~~5~~ |
| ~~2~~ | ~~1~~ | ~~K=H~~ | ~~N~~ | ~~1~~ | ~~5~~ |
| ~~1~~ | ~~1~~ | _ |

| 14.1 | 121.0 | | | 1 | N | 1 | _ |

| 13.8 | 17.6 | | | 4 | N | 1 | _ |

48

October 18, 1886.

2 15 | Plate 341.

| left margin | V | H | Type No. | remark | No. Lines | K | Focus | Other Lines. |
|-----------------|-----------------|---|----------|--------|--------------|--------------|-------|--------------|
| 22.3 | 21.0 | | | | 3 | 5 | | |
| 22.3 | 21.0 | | | | 3 | 5 | | |
| 22.0 | 18.3 | | | | 3 | 5 | | |
| 22.0 | 18.3 | | | | 3 | 5 | | |
| 19.8 | 10.0 | | | | 4 | 5 | | |
| 19.8 | 10.0 | | | | 4 | 5 | | |
| 19.3 | 23.4 | | | | 2 | 4 | | |
| 19.3 | 23.4 | | | | 2 | 4 | | |
| 18.6 | 16.9 | | | | 5 | 6 | N | 2 |
| 18.6 | 16.9 | | | | 5 | 6 | N | 2 |
| 18.0 | 23.6 | | | | 4 | 6 | K=4H | |
| 18.0 | 23.6 | | | | 4 | 6 | K=4H | |
| 17.0 | 18.5 | | | | 5 | | N | 1 |
| 17.0 | 18.5 | | | | 5 | | N | 1 |
| 16.5 | 15.2 | | | | 4 | 5 | N | 1 |
| 16.5 | 15.2 | | | | 4 | 5 | N | 1 |
| 16.0 | 15.4 | | | | 3 | 4 | K=H | |
| 16.0 | 15.4 | | | | 3 | 4 | K=H | |
| 15.5 | 13.5 | | | | 3 | 4 | N | 1 |
| 15.5 | 13.5 | | | | 3 | 4 | N | 1 |
| 15.8 | 18.8 | | | | 2 | 3 | N | 1 |
| 15.8 | 18.8 | | | | 2 | 3 | N | 1 |
| 15.6 | 10.0 | | | | 1 | 5 | | |
| 15.6 | 10.0 | | | | 1 | 5 | | |
| 14.1 | 121.0 | | | | 1 | | N | 1 |
| 14.1 | 121.0 | | | | 1 | | N | 1 |
| 13.8 | 17.6 | | | | 4 | | N | 1 |
| 13.8 | 17.6 | | | | 4 | | N | 1 |

| | 13.6 | 7.0 | I ^[[d?]] | ~~4~~ | 6 | ^[[K=.8H]]
~~N~~ | 2 | _ |

| | 13.0 | 9.5 | I | ~~4~~ | 5 | K=H | 1 | _ |

| | 13.0 | 20.1 | I | ~~4~~ | 5 | N ^[[?]] | 2 | _ |

| | 13.0 | 21.8 | I | 4 ^[[?]] | N | 1 | _ |

| | 12.4 | 13.2 | I | ~~5~~ | 6 | N | 1 | _ |

| | 12.4 | 17.0 | I | 6 | N | 1 | _ |

| | 12.0 | 20.0 | ^[[IIa]] | ~~I~~ ^[[68]] |
~~3~~ | 2 | N | 1 | _ | ~~[[symbol-scribble]]~~ |

| | 11.7 | 20.3 | I | ~~2~~ | 4 | N | 1 | _
~~[[symbol-check]]~~ |

| | 12.0 | 23.3 | I | 3 | N | 1 | _ |

| | 11.4 | 8.5 | I | ~~3~~ | 4 | ^[[K=H]]
~~N~~ | _ |

| | 11.1 | 8.6 | I ^[[d]] | ~~3~~ | 4 | ^[[K=H]]
~~N~~ | 1 | _ |

| | 11.5 | 9.5 | I | ~~3~~ | 4 | N | 1 | _ |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 10

[[9 columned table]]

| No. | R.A. | DEC. | MAG. | Br. | | |

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

4 34 +70.7|322|4 34.4|+70 40|6.3|

[[6.5]]~~1.2 7.7~~6.2~~[[5.5]]~~5 0 +61.6|766|4 59.8|+61 40|~~6.7~~6.7~~8 7.5~~[[6.0]]~~5.7~~[[~~4 51 +52.9~~]]5 32+52.3|~~845~~989|~~4~~[[~~52.2~~]]31.8~~[[5.5]]~~2~~[[52.23]]~~8.8~~[[7.0]]~~6.86.7~~[[5.73 5.8]]~~5.8

4 17 +72.2|227|4 16.8|+72 13|6.0|

[[6.7]]~~1.3 8.0~~[[6.5]]~~5.7~~

5 3 +53.0|872|5 3.1|+53 2|6.5|921 6.2 13 -2|6.9|6 7.5

6.0~~[[5.9]]~~

5 0 +73.1|280|5 0.4|+73 6|5.8|918 5.7 17 +2|6.1|1.3 7.4

5.9~~[[5.1]]~~4 15 +72.9|224|4 15.0|+72 55|8.4|.7 4 7.3|~~1.3 8.7~~7.2~~[[6.4]]~~

4 46 +53.5|829|4 45.7|+53 30|5.0|

[[5.9]]~~6 6.5~~[[5.0]]~~4.9~~

4 46 +73.8|265|4 46.4|+73 49|6.3|864 6.0 17 +2|6.3|1.4

7.7 6.2~~[[5.3]]~~

5 10 +74.2|242|5 9.8|+74 10|7.1|.6.9|1.4 8.3

6.8~~[[5.9]]~~

5 10 +74.2|242|5 9.8|+74 10|7.1|.6.9|1.4 8.3

6.8~~[[5.9]]~~

5 21 +64.9|534|5 20.6|+64 56|7.7|.7.0|9 7.9

6.4~~[[6.0]]~~

455+64.9|500|4 55.7|+64 43|6.9|.7.1|9 8.0

6.5~~[[6.1]]~~

5 38+65.1|499|5 37.8|+65 6|7.6 V|-7.2 7.2|9 8.1

6.6~~[[6.2]]~~

5 2.8+65.6|485|5 28.0|+65 38|6.0|7.0 7.4|1.0|8.0

8.4|6.5 5.9|6.0 6.4|

4 50+75.5|208|4 50.5|+75 29|7.3|.6.9|1.5 8.4

6.9~~[[5.9]]~~5 42.5+55.6|~~5 10+56.7~~1027[[~~989~~]]5~~[[5.5]]~~42.7|~~11.6~~55 40|~~55~~56~~[[5.0]]~~6.5~~[[5.5]]~~[[6.2]]~~6.8~~5.3~~[[5.2]]~~

5 34+56.0|1058|5 34.3|+56 2|6.1|6.5|6 7.1

5.6~~[[5.5]]~~

42.9+75.7|189|4 29.4|+75 40|6.0|6.4|1.5 7.9

6.4~~[[5.4]]~~

4 39+66.1|358|4 39.6|+66 4|5.0|836 4.4 20+5|5.4|1.0

6.4 4.9~~[[4.4]]~~

5 23+66.6|401|5 22.4|+66 36|7.0|.6.6|1.0 7.6

6.1~~[[5.6]]~~

4 54+76.3|190|4 54.3|+76 17|6.7|.6.0|1.6 7.6

Mean 10

| No. | R.A. | DEC. | MAG. | Br. | | | | |
|----------|-------|------|---------|--------|----------|----------|----------|---------|
| 4 34 | +70.7 | 322 | 4 34.4 | +70 40 | 6.3 | | | |
| | | | 6.5 | | | | | |
| | | | 1.2 7.7 | | | | | |
| 6.2 | | | 5.5 | | | | | |
| 5 0 | +61.6 | 766 | 4 59.8 | +61 40 | 6.7 | | | |
| | | | 8 7.5 | | | | | |
| | | | 6.0 | | | | | |
| | | | 4 51 | +52.9 | 5 32 | | | |
| | | | +52.3 | 845 | 989 | 4 | | |
| | | | 52.2 | | 31.8 | | | |
| | | | 2 | | 52.23 | | | |
| | | | 8.8 | | 7.0 | | | |
| | | | 6.7 | | 5.73 5.8 | | | |
| | | | 5.8 | | | | | |
| 4 17 | +72.2 | 227 | 4 16.8 | +72 13 | 6.0 | | | |
| | | | 6.7 | | 1.3 8.0 | | | |
| | | | 6.5 | | 5.7 | | | |
| 5 3 | +53.0 | 872 | 5 3.1 | +53 2 | 6.5 | 921 | 6.2 13 | -2 6.9 |
| | | | 6.7 5 | | | | | |
| | | | 5.9 | | | | | |
| 5 0 | +73.1 | 280 | 5 0.4 | +73 6 | 5.8 | 918 | 5.7 17 | +2 6.1 |
| | | | 1.3 7.4 | | | | | |
| | | | 5.1 | | | | | |
| 4 15 | +72.9 | 224 | 4 15.0 | +72 55 | 8.4 | .7 4 | 7.3 | 1.3 8.7 |
| | | | 6.4 | | | | | |
| 4 46 | +53.5 | 829 | 4 45.7 | +53 30 | 5.0 | | | |
| | | | 5.9 | | 6 6.5 | | | |
| | | | 5.0 | | 4.9 | | | |
| 4 46 | +73.8 | 265 | 4 46.4 | +73 49 | 6.3 | 864 | 6.0 17 | +2 6.3 |
| | | | 1.4 | | | | | |
| | | | 7.7 6.2 | | 5.3 | | | |
| 5 10 | +74.2 | 242 | 5 9.8 | +74 10 | 7.1 | .6.9 | 1.4 8.3 | |
| | | | 6.8 | | 5.9 | | | |
| 5 10 | +74.2 | 242 | 5 9.8 | +74 10 | 7.1 | .6.9 | 1.4 8.3 | |
| | | | 6.8 | | 5.9 | | | |
| 5 21 | +64.9 | 534 | 5 20.6 | +64 56 | 7.7 | .7.0 | 9 7.9 | |
| | | | 6.0 | | | | | |
| 455+64.9 | | 500 | 4 55.7 | +64 43 | 6.9 | .7.1 | 9 8.0 | |
| | | | 6.1 | | | | | |
| 5 38 | +65.1 | 499 | 5 37.8 | +65 6 | 7.6 V | -7.2 7.2 | 9 8.1 | |
| | | | 6.2 | | | | | |
| 5 2.8 | +65.6 | 485 | 5 28.0 | +65 38 | 6.0 | -7.0 7.4 | 1.0 8.0 | |
| | | | 8.4 | | 6.5 5.9 | | 6.0 6.4 | |
| 4 50 | +75.5 | 208 | 4 50.5 | +75 29 | 7.3 | .6.9 | 1.5 8.4 | |
| | | | 5.9 | | | | | |
| 5 42.5 | +55.6 | | 5 10 | +56.7 | | | 1027 | |
| | | | 989 | | 5 | | 5 | |
| 42.7 | | | 11.6 | | 55 40 | | 55 | |
| | | | 56 | | 5.0 | | 6.5 | |
| | | | 6.2 | | | | 6.8 | |
| | | | 5.3 | | 5.2 | | | |
| 5 34 | +56.0 | 1058 | 5 34.3 | +56 2 | 6.1 | 6.5 | 6 7.1 | |
| | | | 5.5 | | | | | |
| 42.9 | +75.7 | 189 | 4 29.4 | +75 40 | 6.0 | 6.4 | 1.5 7.9 | |
| | | | 5.4 | | | | | |
| 4 39 | +66.1 | 358 | 4 39.6 | +66 4 | 5.0 | 836 | 4.4 20+5 | 5.4 |
| | | | 1.0 | | | | | |
| | | | 4.4 | | | | | |
| 5 23 | +66.6 | 401 | 5 22.4 | +66 36 | 7.0 | .6.6 | 1.0 7.6 | |
| | | | 5.6 | | | | | |
| 4 54 | +76.3 | 190 | 4 54.3 | +76 17 | 6.7 | .6.0 | 1.6 7.6 | |

~~6.1~~.5.0|
 |4 48+66.6~~4 26+76.4~~370
~~174~~4 48.2~~4~~
 26.0~~66 37~~+76 19~~7.0~~
~~6.3~~-
~~6.9~~0 7.9 6.4
~~1.6 8.5 7.0~~~~5.9~~
 |4 26+76.4|174|4 26.0|+76 19|6.3|.6.7|~~0 7.7~~
 6.2~~1.6 8.3 6.8~~.5.7|
 4 3+75.7|173|4 2.4|+75
 45|6.8|. |6.71.5 8.2
 6.7~~5.7~~
~~4 5 +57.5~~⁵
 38+56.8|~~787|4|5.2|+57|29|6.0~~^{1005|5}
 |38.2^{56|52}6.6|_|
 |6.8|~~1.5|8.2~~6.7~~5.7~~
 5 46
 +67.0|419|5|45.8⁶⁷~~66~~~~0~~⁶⁰7.0|_|
 |6.9|~~1.0|7.9~~6.4~~5.9~~
 5 35 +56.8|1059|5|34.6^{56|51}6.6|. |
 |7.0|~~7.7|6.2~~.6.0|symbol - checkmark|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 18, 1886.

Plate 341

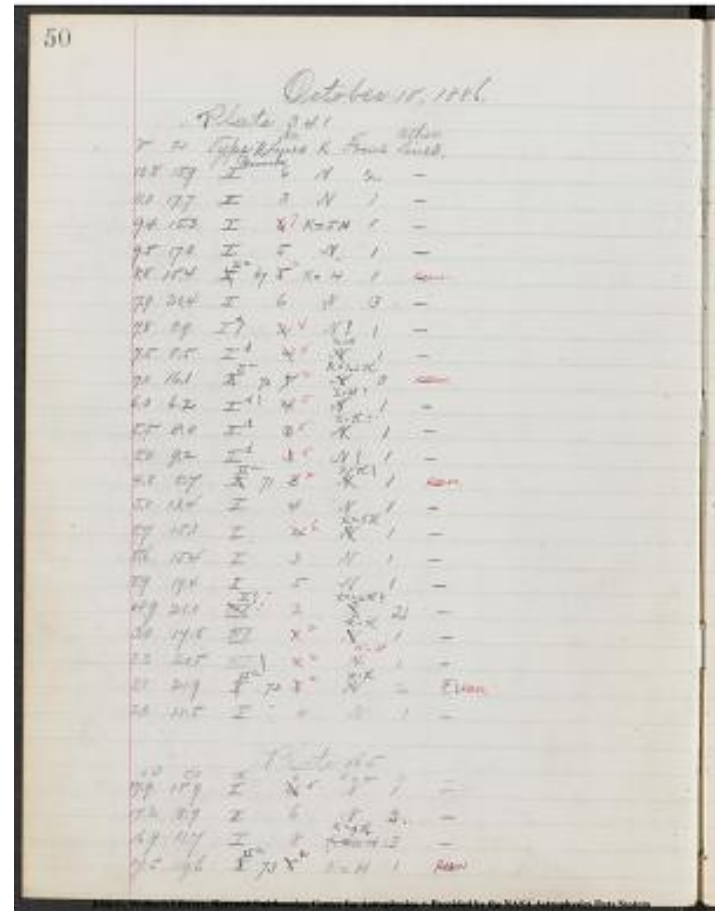
[[8 columned table]]

| V | H | Type | [[No. Remarks]] | No. Lines | K | Focus | Other Lines |
|---------------------|---------------------|---------------------|---|---------------------|---------|--------------------------|-------------|
| 10.8 | 15.9 | I | 6 N 2 | 1 | | | |
| 11.0 | 17.7 | I | 3 N 1 | 1 | | | |
| 9.4 | 15.3 | I | 6 [[/del]] ^{[[7]]} | 1 | K = .5H | 1 | -- |
| 9.5 | 17.0 | I | 5 N 1 | 1 | | | |
| 8.8 | 15.4 | [[/del]] | [[/del]] ^{[[I a]]} | 69 | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[2]]} | K = H | 1 | seen. | |
| 7.9 | 20.4 | I | 6 N 3 | 1 | | | |
| 7.8 | 8.9 | [[/del]] | [[/del]] ^{[[d]]} | [[/del]] | | | |
| 2 | [[/del]] | [[/del]] | [[/del]] ^{[[4]]} | N ? | 1 | -- | |
| 7.5 | 8.5 | [[/del]] | [[/del]] ^{[[5]]} | | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[K = H]]} | 1 | -- | | |
| 7.0 | 16.1 | [[/del]] | [[/del]] ^{[[I a]]} | 70 | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[2]]} | [[/del]] | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[K = 1.2H]]} | 3 | seen. | | |
| 6.0 | 6.2 | [[/del]] | [[/del]] ^{[[5]]} | | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[K = H ?]]} | 1 | -- | | |
| 5.5 | 8.0 | [[/del]] | [[/del]] ^{[[5]]} | | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[K = H ?]]} | 1 | -- | | |
| 5.0 | 9.2 | [[/del]] | [[/del]] ^{[[5]]} | N ? | 1 | -- | |
| 4.8 | 8.7 | [[/del]] | [[/del]] ^{[[I a]]} | 71 | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[2]]} | [[/del]] | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[K = H ?]]} | 1 | seen. | | |
| 5.0 | 13.4 | I | 4 N 1 | 1 | | | |
| 5.7 | 15.1 | I | [[/del]] ^{[[6]]} | | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[K = .5H]]} | 1 | -- | | |
| 5.6 | 15.4 | I | 3 N 1 | 1 | | | |
| 5.9 | 19.4 | I | 5 N 1 | 1 | | | |
| 4.9 | 21.0 | [[/del]] | [[/del]] ^{[[I ?]]} | 2 | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[K = 1.2H ?]]} | 2 | -- | | |
| 3.0 | 17.8 | III | [[/del]] ^{[[2]]} | | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[K = H]]} | 1 | -- | | |
| 3.3 | 20.5 | III | [[/del]] ^{[[2]]} | [[/del]] | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[K = H]]} | 1 | -- | | |
| 3.0 | 21.9 | [[/del]] | [[/del]] ^{[[I a]]} | 72 | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[2]]} | [[/del]] | | | |
| [[/del]] | [[/del]] | [[/del]] | [[/del]] ^{[[K = [[H. ?]]]]} | 2 | -- | ^{[[F ?]]} seen. | |
| 2.0 | 18.5 | I | 4 N 1 | 1 | | | |

Plate 165.

[[8 columned table]]

| | | | | | | | |
|------|------|---------------------|--|--|----|----|--|
| 18.4 | 5.3 | I | 6 K = H | 2 | -- | | |
| 17.9 | 15.9 | I | [[/del]] ^{[[5]]} | N | 1 | -- | |
| 17.2 | 8.9 | I | 6 N | 3 | -- | | |
| 16.9 | 11.7 | I | 8 [[/del]] ^{[[K = .2H]]} | [[/del]] ^{[[K = .1H]]} | 3 | -- | |
| 17.5 | 19.6 | [[/del]] | [[/del]] ^{[[I a]]} | 73 | | | |



~~5~~ ~~^~~^[2] | K = H | 1 | seen |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

51

Mean 10

[[9 columned table]]

|No.|R.A.|DEC.|MAG.| |Br.| | |

| | | | | | | | | |
|--------------|------|-------|-----|---|------|-----|----|-----|
| 5 | 11 | +57.4 | 879 | 5 | 11.0 | +57 | 24 | 5.3 |
| 4 | 59 | +67.3 | 371 | 4 | 59.1 | +67 | 17 | 7.0 |
| 5 | 7 | +77.8 | 195 | 5 | 7.2 | +77 | 50 | 7.0 |
| 5 | 7 | +57.9 | 874 | 5 | 7.0 | +57 | 57 | 6.5 |
| 5 | 6 | +78.2 | 187 | 5 | 6.1 | +78 | 8 | 7.0 |
| 4 | 54 | +58.7 | 805 | 4 | 53.6 | +58 | 49 | 6.5 |
| 4 | 54 | +58.7 | 804 | 4 | 53.6 | +58 | 45 | 6.0 |
| 6 | 11 | +78.3 | 226 | 6 | 10.5 | +78 | 17 | 7.5 |
| 5 | 39.5 | +58.9 | 863 | 5 | 39.6 | +58 | 54 | 6.5 |
| 6 | 11 | +78.3 | 226 | 6 | 10.5 | +78 | 17 | 7.5 |
| 4 | 59 | +79.0 | 169 | 4 | 58.8 | +79 | 3 | 5.2 |

51

Mean 10

| No. | R.A. | Dec. | MAG. | Br. |
|--------------|------|-------|------|-----|
| 5 | 11 | +57.4 | 879 | 5 |
| 4 | 59 | +67.3 | 371 | 4 |
| 5 | 7 | +77.8 | 195 | 5 |
| 5 | 7 | +57.9 | 874 | 5 |
| 5 | 6 | +78.2 | 187 | 5 |
| 4 | 54 | +58.7 | 805 | 4 |
| 4 | 54 | +58.7 | 804 | 4 |
| 6 | 11 | +78.3 | 226 | 6 |
| 5 | 39.5 | +58.9 | 863 | 5 |
| 6 | 11 | +78.3 | 226 | 6 |
| 4 | 59 | +79.0 | 169 | 4 |

* Reduced full-spectrum multiple periods of brightness as compared with light of 10th

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

October 18, 1886.

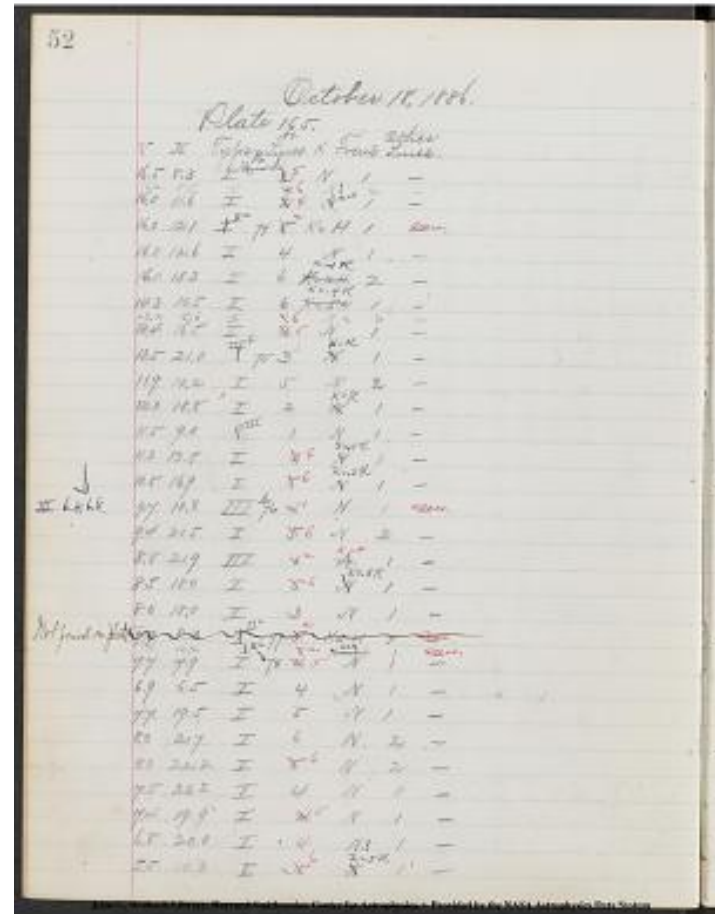
Plate 165.

[8 columned table]

V| H| Type||No. Remark|No. Lines| K| Focus| Other Lines

| V | H | Type | No. | Remark | No. Lines | K | Focus | Other Lines |
|---|---|---|-----|---|-----------|---|-------|-------------|
| 16.5 | 8.3 | I | 1 | [[[strikethrough]]2[[/strikethrough]]5 N 1 -] | | | | |
| 16.2 | 5.5 | I | 1 | [[[strikethrough]]8[[/strikethrough]]6 N? 2 -] | | | | |
| 16.0 | 11.6 | I | 1 | | | | | |
| [[[strikethrough]]2[[/strikethrough]]4 | [[[strikethrough]]N[[/strikethrough]]K= | | | | | | | |
| H 1 -] | | | | | | | | |
| 16.0 | 12.1 | [[[strikethrough]]I[[/strikethrough]]IIa 74 | | | | | | |
| [[[strikethrough]]5[[/strikethrough]]2 | K=H 1 seen.] | | | | | | | |
| 16.0 | 12.6 | I | 4 | N 1 -] | | | | |
| 16.0 | 15.3 | I | 6 | [[[strikethrough]]K=.2H[[/strikethrough]]K=.1H 2 -] | | | | |
| 14.3 | 10.5 | I | 6 | [[[strikethrough]]K=.5H[[/strikethrough]]K=.4H 1 -] | | | | |
| 13.2 | 5.6 | I | 9 | [[[strikethrough]]9[[/strikethrough]]6 N 2 -] | | | | |
| 13.4 | 16.5 | I | 3 | [[[strikethrough]]3[[/strikethrough]]5 N 1 -] | | | | |
| 13.5 | 21.0 | [[[strikethrough]]?[[/strikethrough]]III^[[b]] 75 3 | | | | | | |
| [[[strikethrough]]N[[/strikethrough]]K=H 1 -] | | | | | | | | |
| 11.9 | 10.2 | I | 5 | N 2 -] | | | | |
| 12.0 | 18.8 | I | 2 | [[[strikethrough]]N[[/strikethrough]]K=H 1 -] | | | | |
| 11.5 | 9.0 | [[[strikethrough]]?[[/strikethrough]]III 1 N 1 -] | | | | | | |
| 11.3 | 13.5 | I | 3 | [[[strikethrough]]3[[/strikethrough]]4 | | | | |
| [[[strikethrough]]N[[/strikethrough]]K=.4H 1 -] | | | | | | | | |
| 10.5 | 16.9 | I | 5 | [[[strikethrough]]5[[/strikethrough]]6 | | | | |
| [[[strikethrough]]N[[/strikethrough]]K=.2K 1 -] | | | | | | | | |
| III 6.4, 6.8 | 9.7 10.8 III^[[b]] 76 | [[[strikethrough]]4[[/strikethrough]]1 | | | | | | |
| N 1 seen | | | | | | | | |
| 9.4 | 21.5 | I | 5 | [[[strikethrough]]5[[/strikethrough]]6 N 2 -] | | | | |
| 8.8 | 21.9 | III | 1 | [[[strikethrough]]1[[/strikethrough]]2 | | | | |
| [[[strikethrough]]N[[/strikethrough]]K=H 1 -] | | | | | | | | |
| 8.5 | 18.0 | I | 1 | | | | | |
| [[[strikethrough]]5[[/strikethrough]]6[[[strikethrough]]N[[/strikethrough]]K=. | | | | | | | | |
| 5H 1 -] | | | | | | | | |
| 8.0 | 18.0 | I | 3 | N 1 -] | | | | |
| Not found on plate | 7.9 8.3 | | | | | | | |
| [[[strikethrough]]I[[/strikethrough]]II^[[a]] 77 | [[[strikethrough]]5[[/strikethrough]] | | | | | | | |
| gh 2 K=H 1 seen | | | | | | | | |
| /strikethrough | | | | | | | | |
| 7.8 | 10.2 | [[[strikethrough]]I[[/strikethrough]]II^[[a]] 78 | | | | | | |
| [[[strikethrough]]8[[/strikethrough]]2[[[strikethrough]]K=.8H[[/strikethrough]] | | | | | | | | |
| K=H 1 seen | | | | | | | | |
| 7.7 | 7.9 | I | 4 | [[[strikethrough]]4[[/strikethrough]]5 N 1 -] | | | | |
| 6.9 | 6.5 | I | 4 | N 1 -] | | | | |
| 7.7 | 19.5 | I | 5 | N 1 -] | | | | |
| 8.0 | 21.7 | I | 5 | [[[strikethrough]]5[[/strikethrough]]6 N 2 -] | | | | |
| 7.5 | 23.2 | I | 4 | N 1 -] | | | | |
| 7.4 | 19.9 | I | 4 | [[[strikethrough]]4[[/strikethrough]]5 N 1 -] | | | | |
| 6.8 | 20.0 | I | 4 | N. ? 1 -] | | | | |
| 5.5 | 10.3 | I | 1 | | | | | |
| [[[strikethrough]]5[[/strikethrough]]6[[[strikethrough]]N[[/strikethrough]]K=. | | | | | | | | |
| 5H 1 -] | | | | | | | | |

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



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 14

[[9 columned table]]

| No. | R.A. | DEC. | MAG. | | Br. | | |

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

6 10 +59.4|964|6 9.2|+59 25|7.0|.7.1|~~7.7~~ 7.8 5.5|~~5.7~~^.]

|6 38 +69.0|394|6 38.0|+69 3|5.2 |

|~~6.0~~^.]~~1.1~~ 7.1|~~4.8~~^.]~~4.6~~|~~5.9~~^.]|6 4 +69.6|373|6 3.5|+69 36|6.8| 7.3|~~1.1~~ 8.4 6.1|~~5.9~~^.]|6 21 +79.7| 212|6 21.4| +79 42|5.5|~~6.5~~^.] 1.9 8.4|~~5.1~~^.]

|6 14 +79.7| 208| 6 15.4| +79 41|6.3 1209 6.3 25

+2|6.9|~~1.9~~ 8.8 6.5|~~5.5~~^.]|5 42 +59.8| 920| 5 42.0| +59 50|5.7| 6.1|~~7.6~~ 8.8|~~4.7~~^.]|6 12 +70.6| 401| 6 11.7| +70 38|6.0| 6.6|~~1.2~~ 7.8|~~5.2~~^.]

|7 42 +79.9| 265|7 41.9|+79 52|6.8|1477 5.3 25 +2|

|~~5.9~~^.]~~1.9~~ 7.8|~~5.5~~^.]|~~4.5~~^.]|~~5.25~~ + 81.3| 194| 5 29.6| +81 18|8.0| |~~6.0~~^.]|~~7.4~~^.]~~6.0~~^.]|5 35 +71.2| 324| 5 35.4| +71 15|6.7| 6.8|~~8.8~~ 6.5||~~5.4~~^.] DM 324 + 71°.|4 34 +80.9| 155| 4 33.4| +80 56|5.5| 7.1|~~2.0~~ 9.1|~~5.7~~^.]|6 57 +81.6|242| 6 54.6| +81 30|6.3| 6.2|~~2.1~~ 8.3|~~4.8~~^.]|5 27 +61.8| 806| 5 27.1| +61 52|6.8| 7.4|~~8.8~~ 8.2|~~6.0~~^.]|6 23 +71.8| 359| 6 23.4| +71 52|6.0| 7.1 7.4|~~1.3~~ 8.4|~~6.0~~^.]|6 13 +82.3| 177| 6 13.8| +82 13|6.7| 6.7|~~1.2~~ 8.9|~~5.3~~^.]|5 35 +62.7| 784| 5 35.4| +62 44|6.5| 6.5|~~8.7~~ 7.3|~~5.1~~^.]|7.1 +82.7| 201| 7 0.3| +82 40|5.5| 6.6 7.0|~~2.2~~ 8.8 7.3|~~5.21~~ 5.6||5.0 +73.1| 280| 5 0.4| +73 6|5.8|918 5.7 19 -4|6.3|~~1.3~~|~~4.4~~^.]|3 58 +82.9| 113| 3 58.5| +82 59|5.0| 6.6 6.8|~~2.3~~ 8.9|~~5.2~~ 5.4||5 1 +83.7| 141| 5 0.6| +83 43|7.1| 6.9|~~2.4~~ 9.3|~~5.5~~^.]|5 24 +73.9| 298| 5 24.4 +73 54|6.8| 7.0|~~1.4~~ 8.4|~~5.6~~^.]|~~7.57~~ + 82.8| 235| 7 56.0| +82|~~2.4~~ 8.9 6.6|~~5.5~~^.]|~~5.5~~^.]|6 19 +73.8| 340| 6 19.6| +73 47|6.0| 6.9|~~1.4~~ 8.3|~~6.1~~^.]|7 56 +82.9| 235| 7 56.4| +82 52|6.5| 6.3|~~2.3~~ 8.6

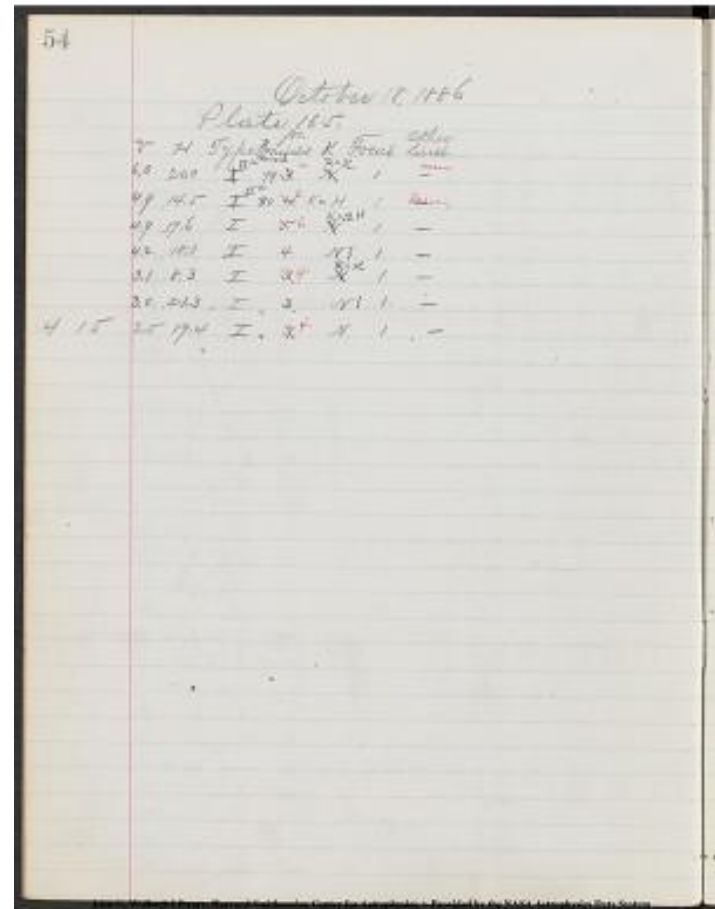
The image shows a handwritten astronomical table on aged paper. The table is titled "Mean 14" and contains several columns of data. The columns are labeled "No.", "R.A.", "DEC.", "MAG.", and "Br.". The table lists various stars, including 6 10, 6 38, 6 4, 6 21, 6 14, 5 42, 6 12, 7 42, 5 25, 5 35, 4 34, 6 57, 5 27, 6 23, 6 13, 5 35, 7.1, 5.0, 7.6, 3 58, 5.1, 5.0, 7.0, 5.2, 5.0, 3.58, 5.1, 5.24, 7.57, 6.19, 6.1, and 7.56. The table is written in a cursive script and includes some red ink markings, such as a large red 'X' over the right side of the table.

6.3~~4.9~~
 8 19 +82.7| 253| 8 19.7| +82 44|7.0|. |
~~6.9~~ ~~2.2 9.1~~
~~6.8~~
~~5.5~~
 5. 23 +64.1| 536| 5 23.2| +64 3|6.7|. | 6.5~~9 7.4~~
 5.1~~5.1~~
 3 55 +83.5|104|3 55.1|+83 26|5.0|684 5.4 29 +6|5.9~~2.4~~
 8.3 6.0|4.5.
 4 54 +73.7|274|4 54.2|+73 45|55|890 5.5 19 -4|6.0~~1.4~~
 7.4 5.1|4.6.
~~4 44 +74.0~~4 46
 +73.9~~229~~265~~4~~
 44.0~~4 46.4~~+74 3~~73~~
 49~~6.1~~6.3|. |~~6.6~~
~~1.4 8.0~~
~~5.7~~5.2~~5.2~~
 5 10 +74.2|242|5 9.8|+74 10|7.1|. | 6.8~~1.4 8.2~~
 5.9~~5.4~~
 5 9 +74.4|241|5 8.8|+74 24|7.1| 7.3~~1.4 8.7~~
 6.4~~5.9~~
 7 42 +84.5|169|7 41.6|+84 28|6.0|_6.5~~2.5 9.0~~
 6.7~~5.1~~

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

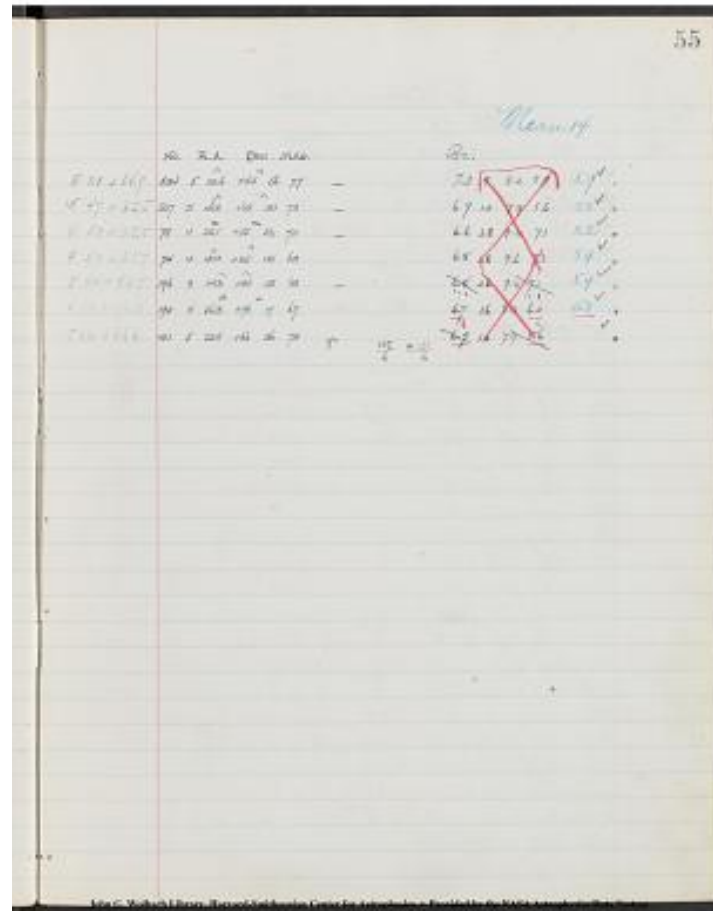
Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

54
 October 18.1886
 Plate 165.
 v | H | Type (No. Remark) | No. Lines | K | Focus | Other Lines
 6.0 | 20.0 | I (cross-out)^11a 79 | 3 (cross-out)^2 | N (cross-out)^K=H | 1 | -
 ^seen.
 4.9 | 14.5 | I (cross-out)^11a 80 | 4 (cross-out) 2 | K=H | 1 | - ^seen.
 4.9 | 17.6 | I | 5 (cross-out)^6 | N (cross-out)^K=.2H | 1 | -
 4.2 | 18.1 | I | 4 | N? | 1 | -
 3.1 | 8.3 | I | 3 (cross-out)^4 | N (cross-out)^K=H | 1 | -
 3.0 | 21.3 | I | 3 | N? | 1 | -
 4 | 15 | 2.5 | 19.4 | I | 3 (cross-out)^4 | N | 1 | -



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

|NO. | R.A. | DEC. | MAG. | | Br. |
 521+64.9 | 534 | 5 | ^20.6 | +64^ | 56 | 7.7 |
 5.9 | [crossout]5.9 [check].
 547+65.5 | 507 | 5 | ^46.8 | +65^ | 30 | 7.0 |
 5.6 | 5.5 [check].
 453+85.5 | 78 | 4 | ^55.1 | +85^ | 32 | 7.0 |
 7.1 | 5.2 [check].
 440+85.7 | 74 | 4 | ^41.0 | +85^ | 45 | 6.0 |
 [crossout]7.3 | 5.4 [check].
 844+84.7 | 196 | 8 | ^44.3 | +84^ | 45 | 6.0 |
 | 9.4 | [strikethrough]7.1 | 5.4 [check].
 454+76.3 | 190 | 4 | ^54.3 | +76^ | 17 | 6.7 |
 [crossout]8.3 | [underline]6.0 | [underline]5.3 [check].
 522+66.6 | 401 | 5 | 22.4 | +66 | 36 | 7.0 |
 [underline/strikethrough]6.9 | [crossout]1.0 | 7.9 |
 | [underline/strikethrough/crossout]5.6 | [check].
 | | | | 137/6 | 10-11/6 |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 19, 1886

Plate 185.

[left margin]

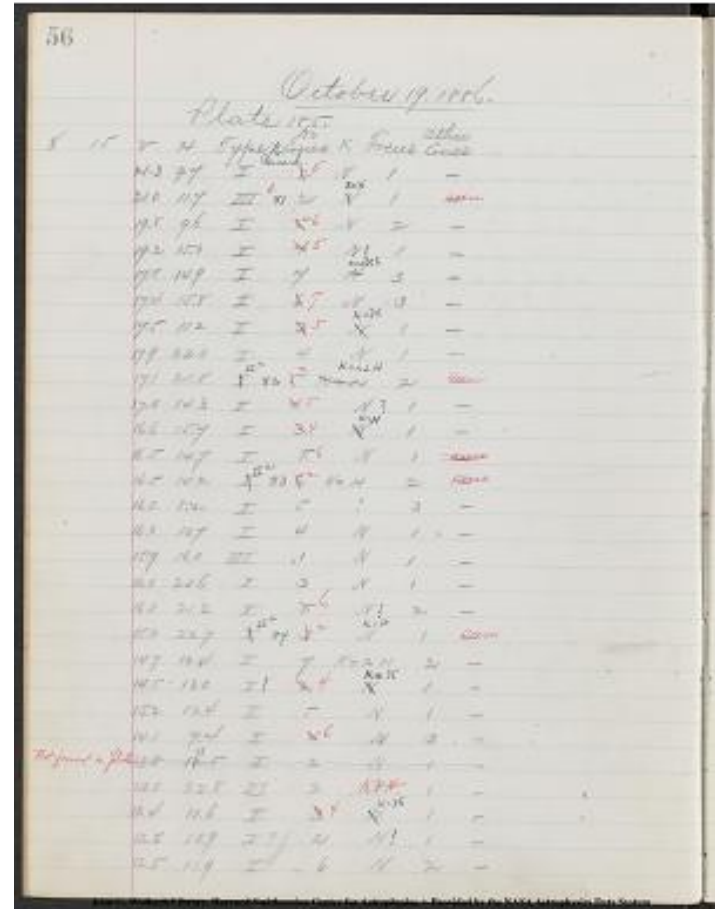
8 15

[left margin]

[8 columned table]

[V][H]Type No. [Remark]No. Lines[K]Focus[Other Lines.]

| Type | No. | Remark | No. Lines | K | Focus | Other Lines. |
|------|------|--------|-----------|---|-------|--------------|
| 21.3 | 9.7 | 1 | 1 | 1 | 1 | 1 |
| 21.0 | 11.7 | 1 | 1 | 1 | 1 | 1 |
| 19.8 | 9.6 | 1 | 1 | 1 | 1 | 1 |
| 19.2 | 15.0 | 1 | 1 | 1 | 1 | 1 |
| 17.8 | 14.9 | 1 | 1 | 1 | 1 | 1 |
| 17.4 | 15.8 | 1 | 1 | 1 | 1 | 1 |
| 17.5 | 11.2 | 1 | 1 | 1 | 1 | 1 |
| 17.1 | 21.8 | 1 | 1 | 1 | 1 | 1 |
| 17.0 | 14.3 | 1 | 1 | 1 | 1 | 1 |
| 16.6 | 15.7 | 1 | 1 | 1 | 1 | 1 |
| 16.5 | 14.7 | 1 | 1 | 1 | 1 | 1 |
| 16.0 | 8.2 | 1 | 1 | 1 | 1 | 1 |
| 16.0 | 10.7 | 1 | 1 | 1 | 1 | 1 |
| 15.9 | 16.0 | 1 | 1 | 1 | 1 | 1 |
| 16.0 | 20.6 | 1 | 1 | 1 | 1 | 1 |
| 16.1 | 21.2 | 1 | 1 | 1 | 1 | 1 |
| 15.0 | 22.7 | 1 | 1 | 1 | 1 | 1 |
| 14.7 | 14.4 | 1 | 1 | 1 | 1 | 1 |
| 14.5 | 13.0 | 1 | 1 | 1 | 1 | 1 |
| 15.2 | 12.4 | 1 | 1 | 1 | 1 | 1 |
| 14.1 | 7.4 | 1 | 1 | 1 | 1 | 1 |
| 13.0 | 22.8 | 1 | 1 | 1 | 1 | 1 |
| 12.4 | 10.6 | 1 | 1 | 1 | 1 | 1 |
| 12.5 | 10.9 | 1 | 1 | 1 | 1 | 1 |
| 12.5 | 11.9 | 1 | 1 | 1 | 1 | 1 |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 15

[[9 columned table]]

| No. | R.A. | DEC. | MAG. | Br. | | | | |
|------|-------|------|----------|--------|-----|------|-----|------|
| 6 25 | +56.9 | 1136 | 6 25.3 | +56 59 | 6.2 | 1237 | 5.8 | 19.5 |
| 6 39 | +77.2 | 266 | 6 38.8 | +77 9 | 4.7 | | | |
| 6 36 | +67.7 | 454 | 6 35.8 | +67 44 | 5.2 | 1270 | 4.9 | 21.3 |
| 6 10 | +68.3 | 226 | 6 10.5 | +78 17 | 7.8 | | | |
| 6 7 | +59.0 | 959 | 6 68 | +59 3 | 5.0 | | | |
| 6 0 | +69.4 | 371 | 6 28 | +69 22 | 4.7 | 1155 | 4.7 | 18.6 |
| 6 51 | +78.9 | 240 | 6 50.7 | +78 59 | 6.7 | | | |
| 5 39 | +58.9 | 863 | 5 39.6 | +58 54 | 6.8 | | | |
| 4 58 | +79.1 | 169 | 4 58.8 | +79 3 | 5.2 | | | |
| 6 9 | +59.6 | 964 | 6 9.2 | +59 25 | 7.0 | | | |
| 6 4 | +69.6 | 373 | 6 3.5 | +69 36 | 6.8 | | | |
| 6 12 | +79.7 | 208 | 6 15.4 | +79 41 | 6.3 | 1209 | 6.3 | 22.2 |
| 6 21 | +69.7 | 212 | 6 21.4 | +79 42 | 5.5 | | | |
| 6 34 | +59.6 | 101 | 5 6 33.4 | +59 34 | 5.0 | | | |
| 6 23 | +59.8 | 996 | 6 23.5 | +59 46 | 7.0 | | | |
| 6 3 | +60.0 | 938 | 6 2.7 | +60 2 | 5.8 | | | |
| 5 9 | +79.7 | 173 | 5 90 | +79 43 | 7.7 | | | |
| 5 42 | +59.8 | 920 | 5 42.0 | +59 50 | 5.7 | | | |
| 5 22 | +70.3 | 362 | 5 22.3 | +70 16 | 7.0 | | | |
| 6 12 | +70.6 | 401 | 6 11.7 | +70 38 | 6.0 | | | |
| 6 20 | +70.6 | 406 | 6 20.4 | +70 36 | 7.2 | | | |
| 6 17 | +60.2 | 971 | 6 17.4 | +60 14 | 7.2 | | | |
| 7 42 | +79.8 | 265 | 7 41.9 | +79 52 | 5.8 | 1477 | 5.3 | 22.2 |
| 4 34 | +80.9 | 155 | 4 33.4 | +80 56 | 5.5 | | | |
| 6 25 | +61.6 | 896 | 6 25.4 | +61 36 | 7.3 | | | |
| 6 24 | +61.6 | 893 | 6 24.5 | +61 36 | 6.1 | | | |
| 6 58 | +81.5 | 242 | 6 57.6 | +81 30 | 6.3 | | | |

57

Mean 15

No. R.A. DEC. MAG. Br.

6 25 +56.9 1136 6 25.3 +56 59 6.2 1237 5.8 19.5

6 39 +77.2 266 6 38.8 +77 9 4.7

6 36 +67.7 454 6 35.8 +67 44 5.2 1270 4.9 21.3

6 10 +68.3 226 6 10.5 +78 17 7.8

6 7 +59.0 959 6 68 +59 3 5.0

6 0 +69.4 371 6 28 +69 22 4.7 1155 4.7 18.6

6 51 +78.9 240 6 50.7 +78 59 6.7

5 39 +58.9 863 5 39.6 +58 54 6.8

4 58 +79.1 169 4 58.8 +79 3 5.2

6 9 +59.6 964 6 9.2 +59 25 7.0

6 4 +69.6 373 6 3.5 +69 36 6.8

6 12 +79.7 208 6 15.4 +79 41 6.3 1209 6.3 22.2

6 21 +69.7 212 6 21.4 +79 42 5.5

6 34 +59.6 101 5 6 33.4 +59 34 5.0

6 23 +59.8 996 6 23.5 +59 46 7.0

6 3 +60.0 938 6 2.7 +60 2 5.8

5 9 +79.7 173 5 90 +79 43 7.7

5 42 +59.8 920 5 42.0 +59 50 5.7

5 22 +70.3 362 5 22.3 +70 16 7.0

6 12 +70.6 401 6 11.7 +70 38 6.0

6 20 +70.6 406 6 20.4 +70 36 7.2

6 17 +60.2 971 6 17.4 +60 14 7.2

7 42 +79.8 265 7 41.9 +79 52 5.8 1477 5.3 22.2

4 34 +80.9 155 4 33.4 +80 56 5.5

6 25 +61.6 896 6 25.4 +61 36 7.3

6 24 +61.6 893 6 24.5 +61 36 6.1

6 58 +81.5 242 6 57.6 +81 30 6.3

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

October 19, 1886

Plate 185.

[[8 columned table]]

[V|H|Type|No. Remark|No. Lines|K|Focus|Other Lines|

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

11.5|10.3|| 4|N|1|-|

11.3 9.2|~~[[/strickethrough]]~~|~~[[/strickethrough]]~~|||2|~~[[/strickethrough]]~~N|~~[[/strickethrough]]~~K=H|1|-|

12.0|12.7|||

|~~[[/strickethrough]]~~1|~~[[/strickethrough]]~~2|~~[[/strickethrough]]~~N|~~[[/strickethrough]]~~K=

H|1|-|

10.9|10.7|| |~~[[/strickethrough]]~~2|~~[[/strickethrough]]~~3|N|1|-|11.5|15.2|| |~~[[/strickethrough]]~~7|~~[[/strickethrough]]~~8|K=.5H|2|-|

|||? 6.4, 6.6, 7.4

10.2|12.3|||^{ab}||85|~~[[/strickethrough]]~~4|~~[[/strickethrough]]~~2|K=H|2|seen|10.3|22.3|| |6|~~[[/strickethrough]]~~N|~~[[/strickethrough]]~~K=H|2|-|

9.0|21.7|| |3|N|1|-|

8.5|9.2|| |5|N|2|-|

8.4|13.7|~~[[/strickethrough]]~~|~~[[/strickethrough]]~~1|^a|~~[[/strickethrough]]~~6|~~[[/stricket~~

hrough]]2|K=H|1|seen|

8.2|19.3|| |5|N|2|-|

7.9|21.3|| |4|~~[[/strickethrough]]~~N|~~[[/strickethrough]]~~K=H 1

8.4|23.2||| |2|K=H|2 -|

7.5|23.0|| |4|N|2|-|

7.8|7.8|la| 4|~~[[/strickethrough]]~~N|~~[[/strickethrough]]~~K=H?|1|-|

7.1|22.1|| |3|N|1|-|

6.0|11.4|| |6|N|1|-|

4.8|18.7|| |5|N|1|-|

4.0|19.0|| |4|N|1|-|

3.8|9.2|| |3|N|1|-|

Plate 166

[[8 columned table]]

13.3|6.9|| |4|N|1|-|

13.4|16.8|~~[[/strickethrough]]~~|~~[[/strickethrough]]~~1|^a|~~[[/strickethrough]]~~87|~~[[/strickethrough]]~~3|~~[[/s~~trickethrough]]2|~~[[/strickethrough]]~~N|~~[[/strickethrough]]~~K=H|1|seen|

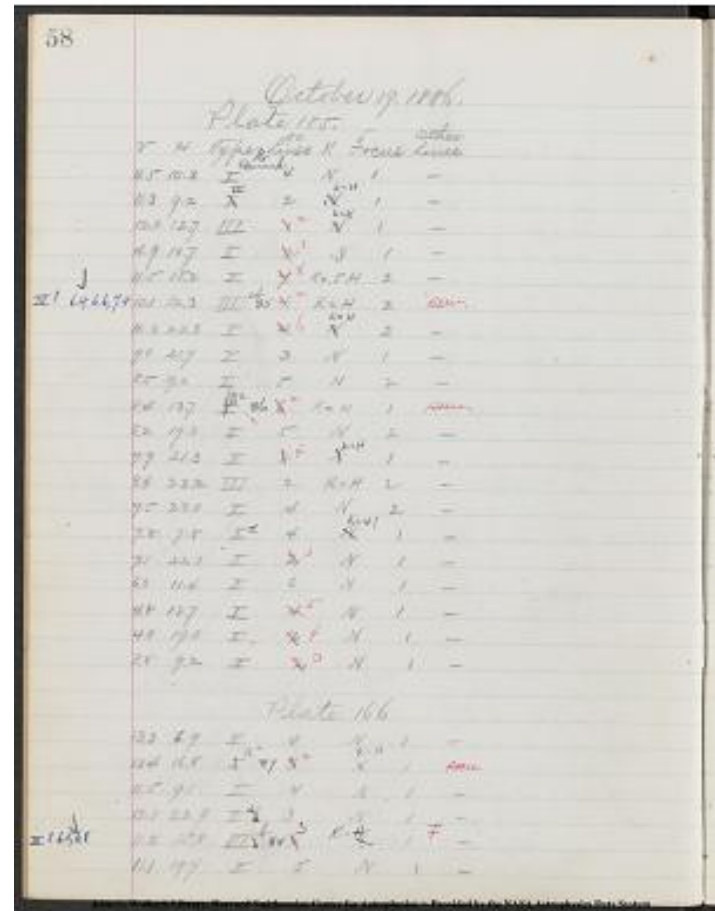
11.5|9.1|| |4|N|1|-|

12.1|22.9|1|^d|~~[[/strickethrough]]~~d|~~[[/strickethrough]]~~ |3|N|1|-|

|||? 6.5,

6.8|11.2|15.8|||^b||88|~~[[/strickethrough]]~~6|~~[[/strickethrough]]~~3|~~[[/strickethrough~~h]]?|~~[[/strickethrough]]~~K=H|1 F|-|

11.1|19.7|| |5|N|1|-|



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 15.

[[9 columned table]]

| NO. | R.A. | DEC. | MAG. | | Br. | | |

6 27 +62.0 | 867 | 6 27.2^h | +62^m 4 | 7.2 | .6.8 | ~~8 7.6~~
 5.2~~[[/strikethrough]]~~ | 5.3 . |

6 46 +71.9 | 378 | 6 46.6^h | +71^m 57 | 7.7 | -- | ^[[7.1]]
 7.3~~[[/strikethrough]]~~ 1.3^h ^[[8.4 6.0]] 8.6 6.2~~[[/strikethrough]]~~ ^[[5.6]] 5.8} . |
 6 23 +71.8 | 359 | 6 23.4^h | +71^m 52 | 6.0 | -- | ^[[6.9]] 7.1}

~~[[/strikethrough]]~~ 1.3^h ^[[8.2 5.8]] 8.4 6.0~~[[/strikethrough]]~~ ^[[5.4]] 5.6} . |
 7 18 +82.0 | 213 | 7 18.8^h | +82^m 0 | 7.5 | . | 7.1 |
~~[[/strikethrough]]~~ 2.1 9.2 4^h 6.8~~[[/strikethrough]]~~ 5.6 . |

6 13 +82.2 | 177 | 6 13.8^h | +82^m 13 | 6.7 | -- | 6.6 |

~~[[/strikethrough]]~~ 2.2 8.8 6.4~~[[/strikethrough]]~~ 5.1 . |

7 0 +82.7 | 201 | 7 0.3^h | +82^m 40 | 5.5 | -- | ^[[6.5]] 6.8} |

~~[[/strikethrough]]~~ 2.2^h ^[[8.7 6.3]] 9.0 6.6~~[[/strikethrough]]~~ ^[[5.0]] 5.3} . |

5 35 +62.7 | 784 | 5 35.4^h | +62^m 44 | 6.5 | -- | 6.5 |

~~[[/strikethrough]]~~ 8 7.3 4.9~~[[/strikethrough]]~~ 5.0 . |

4 24 +83.0 | 121 | 4 24.2^h | 832^m 2 | 8.5 | . | 6.9 |

~~[[/strikethrough]]~~ 2.3 9.2 4.8~~[[/strikethrough]]~~ 5.4 . |

7 56 +82.8 | 235 | 7^h 8 | 56.0^m | +82^m 52 | 6.5 | . | 6.3 |

~~[[/strikethrough]]~~ 2.3 8.6 6.2~~[[/strikethrough]]~~ 4.8 . |

6 20 +73.8 | 340 | 6 19.6^h | +73^m 47 | 6.0 | -- | 6.6 |

~~[[/strikethrough]]~~ 1.4 8.0 3^h 5.6~~[[/strikethrough]]~~ 5.1 . |

5 0 +83.7 | 141 | 5 0.6^h | +83^m 43 | 7.1 | . | 6.7 | ~~[[/strikethrough]]~~ 2.4

9.1 6.7~~[[/strikethrough]]~~ 5.2 . |

5 24 +73.8 | 298 | 5 24.4^h | +73^m 54 | 6.8 | -- | 6.9 |

~~[[/strikethrough]]~~ 1.4 8.3 3^h 5.9~~[[/strikethrough]]~~ 5.4 . |

3 58 +82.9 | 113 | 3 58.5^h | +82^m 59 | 5.0 | -- | 6.4

^[[6.5]] 6.8} 6.8 ~~[[/strikethrough]]~~ 2.3^h ^[[8.8 6.4]]

6.4 ~~[[/strikethrough]]~~ 9.1 6.7 ~~[[/strikethrough]]~~ ^[[5.0]] 5.3}

6.4 . |

3 55 +83.5 | 104 | 3 55.1^h | +83^m 26 | 5.0 | 684 5.4 29 +5 |

5.9 ~~[[/strikethrough]]~~ 2.4 8.3

5.9 ~~[[/strikethrough]]~~ 4.4 . |

8 19 +82.7 | 253 | 8 19.7^h | +82^m 44 | 7.0 | -- | 6.9 |

~~[[/strikethrough]]~~ 2.2 9.1 6.7~~[[/strikethrough]]~~ 5.4 . |

5 10 +74.2 | 242 | 5 9.8^h | +74^m 10 | 7.1 | . | 7.0 |

~~[[/strikethrough]]~~ 1.4 8.4 6.0~~[[/strikethrough]]~~ 5.5 . |

7 42 +84.5 | 169 | ~~[[/strikethrough]]~~ 6~~[[/strikethrough]]~~ ^[[7]] 41.6^m |

+84^m 28 | 6.0 | . | 6.6 | ~~[[/strikethrough]]~~ 2.5 9.1 6.7~~[[/strikethrough]]~~ 5.1

. |

4 53 +85.5 | 78 | 4 55.1^h | +85^m 32 | 7.0 |

~~[[/strikethrough]]~~ ?~~[[/strikethrough]]~~ 6.8 ~~[[/strikethrough]]~~ 2.8 9.6

7.2~~[[/strikethrough]]~~ 5.3 . |

4 40 +85.7 | 74 | 4 41.0^h | +85^m 45 | 6.0 | 863 6.4 33

+9~~[[/strikethrough]]~~ 6.9~~[[/strikethrough]]~~ 2.8 9.7 7.3~~[[/strikethrough]]~~ 5.4 . |

8 44 +84.7 | 196 | 8 44.3^h | +84^m 45 | 6.0 | 1632 6.2 32

+8~~[[/strikethrough]]~~ 6.8~~[[/strikethrough]]~~ 2.6 9.4 7.0~~[[/strikethrough]]~~ 5.3 . |

[[equation]] | | |

Mean 16

7 11 +55.5 | 1192 | 7 11.0^h | +55^m 33 | 5.5 | 1378 5.2 22

~~[[/strikethrough]]~~ ±0~~[[/strikethrough]]~~ ^[[+1]] 6.8

6.7 4.5 2^h 5.2^m 6.8

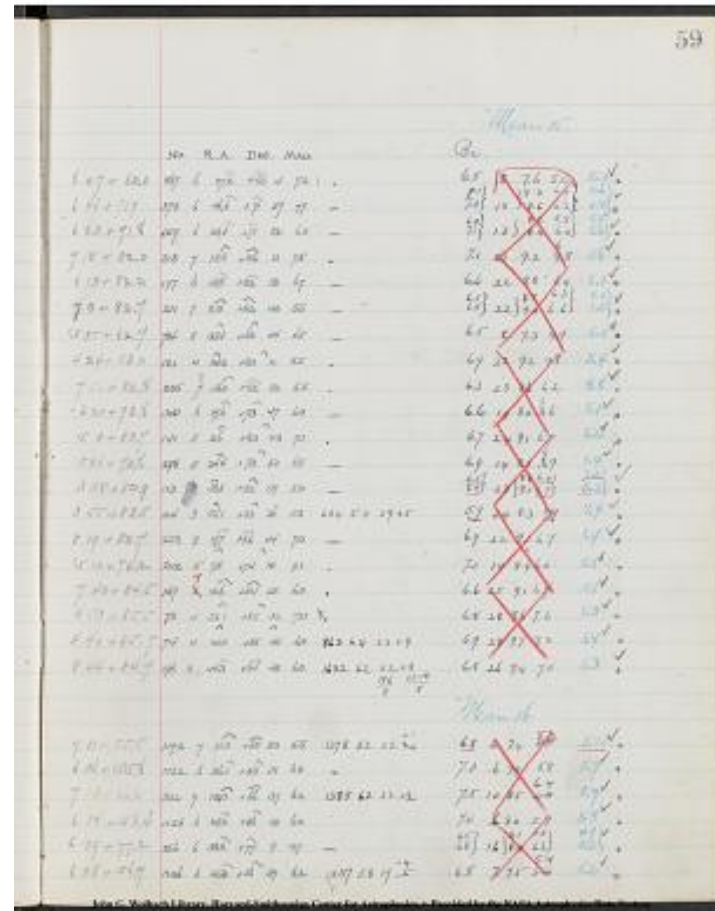
5.3~~[[/strikethrough]]~~ 5.2~~[[/strikethrough]]~~ . |

6 36 +55.8 | 1122 | 6 36.1^h | +55^m 51 | 6.0 | -- | 7.3 | ~~[[/strikethrough]]~~ 6

7.9 5.8~~[[/strikethrough]]~~ 5.7 . |

7 13 +66.6 | 502 | 7 13.0^h | +66^m 37 | 6.2 | 1385 6.2 23

+2~~[[/strikethrough]]~~ 7.5~~[[/strikethrough]]~~ 1.0 8.5 6.3^h 6.4^m ~~[[/strikethrough]]~~ 5.9 . |



| 6 14 +56.4 | 1125 | 6 14.2^[[] | +56^[[] 20 | 6.2 | | 7.4 |
~~[[]]~~.6 8.0 5.9~~[[]]~~ 5.8 . |
 | 6 39 +77.2 | 266 | 6 38.8^[[] | +77^[[] 9 | 4.7 | -- | ^[[6.5]] 6.8} |
~~[[]]~~ 1.6} ^[[8.1 6.0]] 8.4 6.3} ~~[[]]~~^[[4.9]] 5.2} . |
 | 6 25 +56.9 | 1136 | 6 25.3^[[] +56^[[] 59 | 6.2 | 237 5.8 17
~~[[]]~~-5~~[[]]~~ ^[[-4]] | 6.8 | ~~[[]]~~.7 7.5
 5.7^[[5.4]]~~[[]]~~ | 5.2 . |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 19, 1886

Plate 166

[[8 columned table]]

|V|H|Type|No. Remark|No. Lines|K|Focus|Other Lines|

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

10.5 | 7.6 | }

10.5 | 7.8 | } Are there stars? [[Something the matter with the plates]]

10.5 | 8.0 | }

9.9 | 16.5 | | 6(cross-out)^7 | N | 3 | -

8.7 | 9.8 | | 3 | N | 1 | -

8.6 | 13.3 | | 3(cross-out)^4 | N(cross-out)^K=H | 1 | -

8.9 | 18.7 | | 3(cross-out)^4 | N | 1 | -

8.0 | 14.5 | III ?(cross-out) | 5(cross-out)^2 | K=H(cross-out)^K=1.2H | 2 | -

-

7.5 | 14.7 | | 2(cross-out)^3 | N | 1 | -

7.4 | 16.0 | | 8 | N | 3 | -

6.6 | 24.3 | | 7(cross-out)^6 | K=.2H | 3 | -

6.0 | 15.7 | | 3(cross-out)^5 | N(cross-out)^K=H | 1 | -

6.0 | 17.4 | | 6 | N | 2 | -

6.0 | 17.4 | | 6 | N | 3 | -

6.0 | 18.0 | | 4(cross-out)^5 | N | 1 | -

6.3 | 22.2 | | 4(cross-out)^5 | N? | 3 | -

5.0 | 10.4 | | 6(cross-out)^7 | N | 3 | -

4.0 | 20.4 | I^d | 4(cross-out)^5 | N(cross-out)^K=H | 1 | -

2.5 | 14.5 | | 4(cross-out)^5 | N | 1 | -

Plate 353.

22.1 | 14.7 | | 4 | N? | 1 | -

21.0 | 18.5 | III | 1(cross-out)^2 | N(cross-out)^K=H | 1 | -

19.6 | 21.8 | | 5(cross-out)^6 | N(cross-out)^K=H? | 2 | -

19.5 | 12.2 | | 3(cross-out)^5 | N(cross-out)^K=H | 1 | -

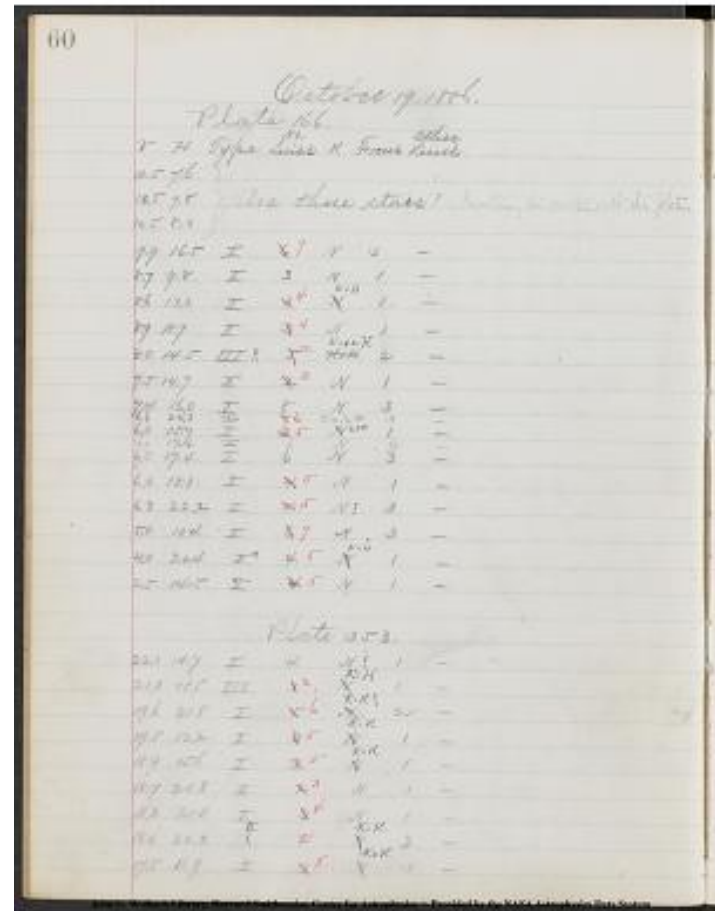
18.9 | 15.6 | | 3(cross-out)^5 | N(cross-out)^K=H | 1 | -

18.7 | 20.8 | | 2(cross-out)^3 | N | 1 | -

18.2 | 21.0 | | 3(cross-out)^4 | N | 1 | -

18.0 | 22.2 | ?(cross-out)^11 | 2 | N(cross-out)^K=H | 2 | -

17.5 | 16.9 | | 3(cross-out)^5 | N(cross-out)^K=H | 1 | -



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

61
Mean 16
[[9 columned table]]
| No. | R.A. | DEC. | MAG. | | Br. | | |
|-----|-----|-----|-----|-----|-----|-----|
6 36 +67.7|454|6 35.8|+67 44|5.2|1270 4.9 21
[[underlined]]1[[/underlined]]^[[±0]]|5.9|[[strikethrough]]1.1 7.0
[[strikethrough]]4.8^[[4.9]]|[[strikethrough]]4.9|[[strikethrough]]4.3+
7 37 +77.9|303|7 37.0|+77 56|7.0|7.2|[[strikethrough]]1.7 8.9
6.8|[[strikethrough]]5.6+
7 4 +78.3|251|7 4.2|+78 19|7.0|7.4|[[strikethrough]]1.7 9.1
7.0|[[strikethrough]]5.8+
6 10 +78.3|226|6 10.5|+78

61

Mean 16

No. R.A. DEC. MAG.

| | | | | | | | | |
|------|-------|-----|--------|--------|-----|------|-----|-----|
| 6 36 | +67.7 | 454 | 6 35.8 | +67 44 | 5.2 | 1270 | 4.9 | 21 |
| 1 | | | | | | | | |
| 4.8 | | | | | | | | |
| 4.9 | | | | | | | | |
| 4.3 | | | | | | | | |
| 7 37 | +77.9 | 303 | 7 37.0 | +77 56 | 7.0 | 7.2 | 1.7 | 8.9 |
| 6.8 | | | | | | | | |
| 5.6 | | | | | | | | |
| 7 4 | +78.3 | 251 | 7 4.2 | +78 19 | 7.0 | 7.4 | 1.7 | 9.1 |
| 7.0 | | | | | | | | |
| 5.8 | | | | | | | | |
| 6 10 | +78.3 | 226 | 6 10.5 | +78 | | | | |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

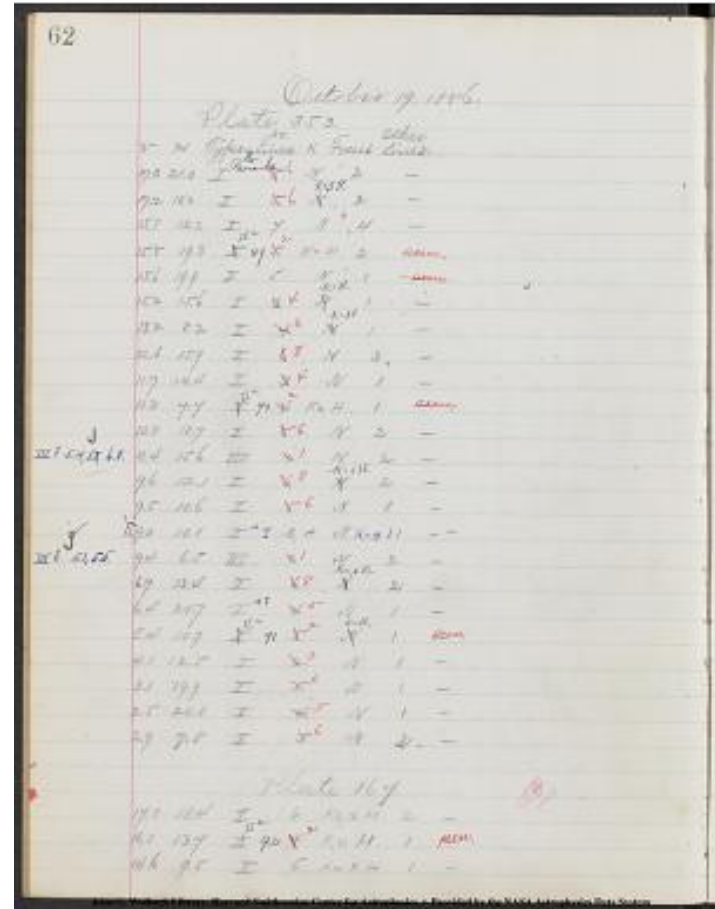
October 19, 1886.

Plate 353.

[[8 columned table]]
 V|H|Type|No. Remark|No. Lines|K|Focus|Other Lines|
 ---|---|---|---|---|---|---|---|
 17.0|21.0|||~~5~~~~6~~N|2|-|
 17.2|10.2|||
~~5~~~~6~~N|2|-|
 15.8|12.2|||7N|4|-|
 15.8|19.3||~~11~~~~89~~2|K=H|2|seen|
 15.6|19.9|||
~~5~~~~6~~N|1|~~seen~~|
 15.2|15.6|||
~~3~~~~4~~N|~~1~~|K=H|1|-|
 13.2|8.2|||
~~4~~~~6~~N|~~1~~|K=H|1|-|
 12.6|15.9||~~6~~~~8~~N|3|-|
 11.7|14.4||~~3~~~~4~~N|1|-|
 11.3|7.7||~~11~~~~90~~4|~~seen~~|
 10.8|18.7||~~5~~~~6~~N|2|-|
 11? 5.4, 5.8, 6.8|10.4|15.6|11||~~10~~~~1~~N|2|-|
 9.6|12.1|||
~~6~~~~8~~N|~~1~~|K=H|2|-|
 9.5|10.6||~~5~~~~6~~N|1|-|
 9.0|10.1||~~3~~4|N K=H|1 1|-|
 11? 5.1, 5.5|9.4|6.5|11||~~10~~~~1~~N|2|-|
 6.7|13.4|||
~~6~~~~8~~N|~~1~~|K=H|2|-|
 6.4|21.7||~~4~~~~5~~N|1|-|
 5.4|10.7||~~11~~~~91~~5|~~seen~~|
 4.1|12.5||~~2~~~~3~~N|1|-|
 3.1|19.9||~~5~~~~6~~N|1|-|
 2.5|20.0||~~4~~~~5~~N|1|-|
 2.9|7.8||~~5~~~~6~~N|2|-|

Plate 167

[[8 columned table]]
 17.0|18.4|||6|K=2H|2|-|
 16.0|13.7||~~11~~~~92~~4|~~seen~~|
 14.6|9.5||5|K=.2H|1|-|



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

63

Mean 8

No. R.A. Dec. Mag. Br.
 6 38 + 69.0 394 6 38.0 + 69 3 5.2 1279 5.1 14 ~~[[strikethrough]]~~-
 8 ~~[[strikethrough]]~~ -6 5.4 ~~[[strikethrough]]~~ 1.1 6.5 4.5 4.5 ~~[[strikethrough]]~~
 4.6

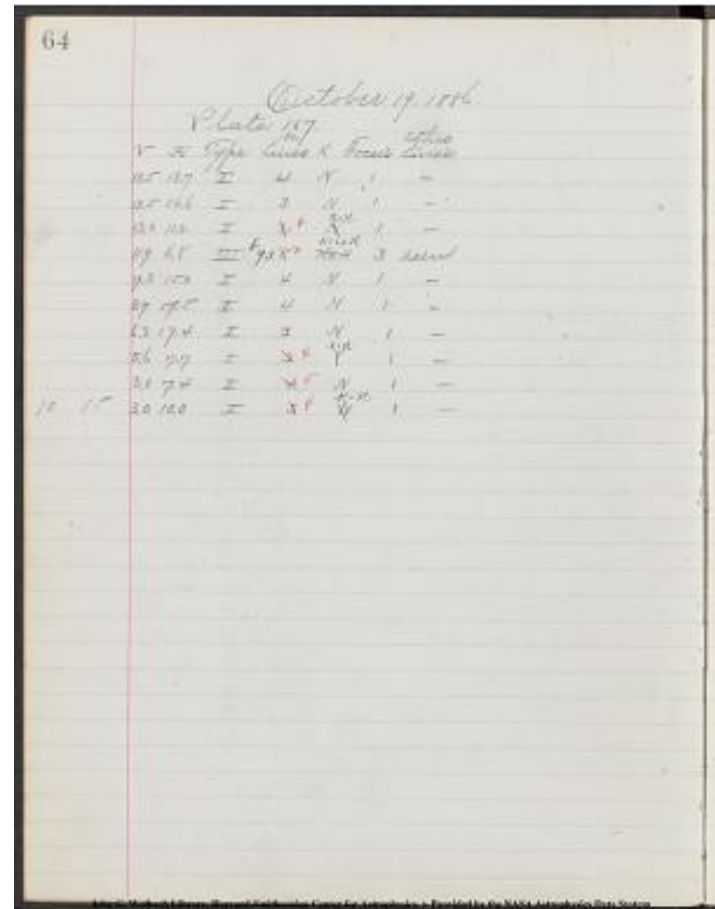
63

Mean 5

| No. | R.A. | Dec. | Mag. | Br. |
|-----|------|------|------|-----|
| 1 | 38.0 | 69.0 | 3.94 | 5.1 |
| 2 | 38.0 | 69.0 | 3.94 | 5.1 |
| 3 | 38.0 | 69.0 | 3.94 | 5.1 |
| 4 | 38.0 | 69.0 | 3.94 | 5.1 |
| 5 | 38.0 | 69.0 | 3.94 | 5.1 |
| 6 | 38.0 | 69.0 | 3.94 | 5.1 |
| 7 | 38.0 | 69.0 | 3.94 | 5.1 |
| 8 | 38.0 | 69.0 | 3.94 | 5.1 |
| 9 | 38.0 | 69.0 | 3.94 | 5.1 |
| 10 | 38.0 | 69.0 | 3.94 | 5.1 |
| 11 | 38.0 | 69.0 | 3.94 | 5.1 |
| 12 | 38.0 | 69.0 | 3.94 | 5.1 |
| 13 | 38.0 | 69.0 | 3.94 | 5.1 |
| 14 | 38.0 | 69.0 | 3.94 | 5.1 |
| 15 | 38.0 | 69.0 | 3.94 | 5.1 |
| 16 | 38.0 | 69.0 | 3.94 | 5.1 |
| 17 | 38.0 | 69.0 | 3.94 | 5.1 |
| 18 | 38.0 | 69.0 | 3.94 | 5.1 |
| 19 | 38.0 | 69.0 | 3.94 | 5.1 |
| 20 | 38.0 | 69.0 | 3.94 | 5.1 |
| 21 | 38.0 | 69.0 | 3.94 | 5.1 |
| 22 | 38.0 | 69.0 | 3.94 | 5.1 |
| 23 | 38.0 | 69.0 | 3.94 | 5.1 |
| 24 | 38.0 | 69.0 | 3.94 | 5.1 |
| 25 | 38.0 | 69.0 | 3.94 | 5.1 |
| 26 | 38.0 | 69.0 | 3.94 | 5.1 |
| 27 | 38.0 | 69.0 | 3.94 | 5.1 |
| 28 | 38.0 | 69.0 | 3.94 | 5.1 |
| 29 | 38.0 | 69.0 | 3.94 | 5.1 |
| 30 | 38.0 | 69.0 | 3.94 | 5.1 |
| 31 | 38.0 | 69.0 | 3.94 | 5.1 |
| 32 | 38.0 | 69.0 | 3.94 | 5.1 |
| 33 | 38.0 | 69.0 | 3.94 | 5.1 |
| 34 | 38.0 | 69.0 | 3.94 | 5.1 |
| 35 | 38.0 | 69.0 | 3.94 | 5.1 |
| 36 | 38.0 | 69.0 | 3.94 | 5.1 |
| 37 | 38.0 | 69.0 | 3.94 | 5.1 |
| 38 | 38.0 | 69.0 | 3.94 | 5.1 |
| 39 | 38.0 | 69.0 | 3.94 | 5.1 |
| 40 | 38.0 | 69.0 | 3.94 | 5.1 |
| 41 | 38.0 | 69.0 | 3.94 | 5.1 |
| 42 | 38.0 | 69.0 | 3.94 | 5.1 |
| 43 | 38.0 | 69.0 | 3.94 | 5.1 |
| 44 | 38.0 | 69.0 | 3.94 | 5.1 |
| 45 | 38.0 | 69.0 | 3.94 | 5.1 |
| 46 | 38.0 | 69.0 | 3.94 | 5.1 |
| 47 | 38.0 | 69.0 | 3.94 | 5.1 |
| 48 | 38.0 | 69.0 | 3.94 | 5.1 |
| 49 | 38.0 | 69.0 | 3.94 | 5.1 |
| 50 | 38.0 | 69.0 | 3.94 | 5.1 |
| 51 | 38.0 | 69.0 | 3.94 | 5.1 |
| 52 | 38.0 | 69.0 | 3.94 | 5.1 |
| 53 | 38.0 | 69.0 | 3.94 | 5.1 |
| 54 | 38.0 | 69.0 | 3.94 | 5.1 |
| 55 | 38.0 | 69.0 | 3.94 | 5.1 |
| 56 | 38.0 | 69.0 | 3.94 | 5.1 |
| 57 | 38.0 | 69.0 | 3.94 | 5.1 |
| 58 | 38.0 | 69.0 | 3.94 | 5.1 |
| 59 | 38.0 | 69.0 | 3.94 | 5.1 |
| 60 | 38.0 | 69.0 | 3.94 | 5.1 |
| 61 | 38.0 | 69.0 | 3.94 | 5.1 |
| 62 | 38.0 | 69.0 | 3.94 | 5.1 |
| 63 | 38.0 | 69.0 | 3.94 | 5.1 |
| 64 | 38.0 | 69.0 | 3.94 | 5.1 |
| 65 | 38.0 | 69.0 | 3.94 | 5.1 |
| 66 | 38.0 | 69.0 | 3.94 | 5.1 |
| 67 | 38.0 | 69.0 | 3.94 | 5.1 |
| 68 | 38.0 | 69.0 | 3.94 | 5.1 |
| 69 | 38.0 | 69.0 | 3.94 | 5.1 |
| 70 | 38.0 | 69.0 | 3.94 | 5.1 |
| 71 | 38.0 | 69.0 | 3.94 | 5.1 |
| 72 | 38.0 | 69.0 | 3.94 | 5.1 |
| 73 | 38.0 | 69.0 | 3.94 | 5.1 |
| 74 | 38.0 | 69.0 | 3.94 | 5.1 |
| 75 | 38.0 | 69.0 | 3.94 | 5.1 |
| 76 | 38.0 | 69.0 | 3.94 | 5.1 |
| 77 | 38.0 | 69.0 | 3.94 | 5.1 |
| 78 | 38.0 | 69.0 | 3.94 | 5.1 |
| 79 | 38.0 | 69.0 | 3.94 | 5.1 |
| 80 | 38.0 | 69.0 | 3.94 | 5.1 |
| 81 | 38.0 | 69.0 | 3.94 | 5.1 |
| 82 | 38.0 | 69.0 | 3.94 | 5.1 |
| 83 | 38.0 | 69.0 | 3.94 | 5.1 |
| 84 | 38.0 | 69.0 | 3.94 | 5.1 |
| 85 | 38.0 | 69.0 | 3.94 | 5.1 |
| 86 | 38.0 | 69.0 | 3.94 | 5.1 |
| 87 | 38.0 | 69.0 | 3.94 | 5.1 |
| 88 | 38.0 | 69.0 | 3.94 | 5.1 |
| 89 | 38.0 | 69.0 | 3.94 | 5.1 |
| 90 | 38.0 | 69.0 | 3.94 | 5.1 |
| 91 | 38.0 | 69.0 | 3.94 | 5.1 |
| 92 | 38.0 | 69.0 | 3.94 | 5.1 |
| 93 | 38.0 | 69.0 | 3.94 | 5.1 |
| 94 | 38.0 | 69.0 | 3.94 | 5.1 |
| 95 | 38.0 | 69.0 | 3.94 | 5.1 |
| 96 | 38.0 | 69.0 | 3.94 | 5.1 |
| 97 | 38.0 | 69.0 | 3.94 | 5.1 |
| 98 | 38.0 | 69.0 | 3.94 | 5.1 |
| 99 | 38.0 | 69.0 | 3.94 | 5.1 |
| 100 | 38.0 | 69.0 | 3.94 | 5.1 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

64
 October 19, 1886
 Plate 167.
 v | H | Type | No. Lines | K | Focus | Other Lines
 13.5 | 13.7 | | 4 | N | 1 | -
 13.0 | 16.6 | | 3 | N | 1 | -
 13.0 | 10.2 | | 2(cross-out)^4 | N(cross-out)^K=H | 1 | -
 11.9 | 6.8 | III^b93 | 8(cross-out)^2 | K=H(cross-out)^K=1.2H | 3 | seen
 9.3 | 15.0 | | 4 | N | 1 | -
 8.7 | 17.5 | | 4 | N | 1 | -
 6.3 | 17.4 | | 3 | N | 1 | -
 5.6 | 7.7 | | 3(cross-out)^4 | P^K=H | 1 | -
 3.0 | 7.4 | | 4(cross-out)^5 | N | 1 | -
 10 | 15 | 3.0 | 10.0 | | 3(cross-out)^4 | N(cross-out)^K=H | 1 | -



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

[[7 column tables]]
 [No.]R.A.[DEC.][MAG.][H.P. Mag.][Bre.]
 7 50 +6.07|1105|7 49.3|+60 42|6.1|1490|6.0|16.6|check
 mark,6.8|~~8|7.6|5.4|~~check mark
~~7 32~~
~~+80.6|~~~~238|~~1084
~~[[7|~~~~32.1|~~37
~~.6|~~~~+80|~~~~+60|~~37~~[[~~37~~]]~~
~~gh|~~40~~[[~~6.5~~]]~~6.7|1455|6.4|28+6|check
 mark,7.2|~~2.0|9.2|7.0|~~check mark
 8 2 +60.8|1119|8 3.6|+60 50|6.8|~~-~~check mark,
 7.1|~~8|7.9|5.7|~~
 8 17 +61.2|1054|8 18.2|+61 11|3.3|~~-~~check mark, 5.7

65

| No. | R.A. | Dec. | Magn. | H.P. Magn. | Bre. |
|-----|----------|-------------|--------|------------|--|
| 7 | 50 +6.07 | 1105 7 49.3 | +60 42 | 6.1 | 1490 6.0 16.6 |
| | | | | | check mark, 6.8 |
| | | | | | 8 7.6 5.4 check mark |
| | | | | | 7 32 |
| | | | | | +80.6 238 1084 |
| | | | | | [[7 32.1 37 |
| | | | | | .6 +80 +60 37 [[37]] |
| | | | | | gh 40 [[6.5]] 6.7 1455 6.4 28+6 check |
| | | | | | mark, 7.2 2.0 9.2 7.0 check mark |
| | | | | | 8 2 +60.8 1119 8 3.6 +60 50 6.8 - check mark, |
| | | | | | 7.1 8 7.9 5.7 |
| | | | | | 8 17 +61.2 1054 8 18.2 +61 11 3.3 - check mark, 5.7 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 20, 1886.

Plate 446.

[[9 columned table]]

| Type No. | Remarks | No. Lines | K | Focus | Other Lines |
|----------|---------|-----------|---|-------|-------------|
| 8 45 | V | H | | | |

22.6|9.5|III|[^][[b]]94|[[~~5~~]]2|K=2.0H|3|seen.
 |21.5|14.7|I|
 |[[~~6~~]]7|[[~~N~~]]K=
 1H|3|-|
 |18.5|19.9|I|
 |[[~~3~~]]4|[[~~N~~]]K=
 H|1|-|
 |17.8|10.1|I|
 |[[~~6~~]]7|[[~~K~~]]K=5H|[[~~5~~]]
 K=3H|2|-|
 |17.4|9.6|I| |[[~~3~~]]4|N|1|-|
 |17.2|11.1|I|
 |[[~~3~~]]4|[[~~N~~]]K=
 H|1|-|
 |16.7|16.1|III| |2|[[~~N~~]]K=H|1|-|
 |16.2|19.5|I| |[[~~4~~]]5|N|1|-|
 16.1|19.8|[[~~?~~]]1|a|95|[[~~1~~]]/
 ethrough]]2|[[~~N~~]]K=H|1|seen|
 |16.2|20.9|I| |[[~~3~~]]5|N|1|-|
 |16.3|23.3|I|
 |[[~~3~~]]4|[[~~N~~]]K=
 H|1|-|
 |15.5|16.8|I| |5|[[~~N~~]]K=N|1|-|
 15.0|16.6|[[~~?~~]]1|a|96|[[~~3~~]]/
 ethrough]]2|[[~~N~~]]K=H|1|seen|
 |15.0|15.8|I| |3|N|1|-|
 |15.2|11.8|I| |[[~~3~~]]4|N|1|-|
 |14.8|11.3|I| |[[~~5~~]]6|N|2|-|
 |15.8|8.2|I| |[[~~4~~]]5|N|1|-|
 III? 5.6, 6.0, 7.0, 15.4|7.9|III|
 3|[[~~?~~]]K=H|2|F.|
 14.0|8.3|III|[[~~?~~]]97|[[~~3~~]]/
 hrough]]2|K=H|1|-|
 |14.0|9.3|I| |6|N|2|-|
 |14.0|14.4|I|
 |[[~~4~~]]5|[[~~N~~]]K=
 H|1|-|
 |14.0|19.2|I| |4|N|1|-|
 |13.7|21.0|I| |5|N|1|-|
 |12.9|20.2|I| |[[~~4~~]]5|N|1|-|
 |13.0|13.7|III|98|[[~~4~~]]2|K=H|2|seen.
 |12.1|13.4|I| |2|N|1|-|
 |11.6|13.2|III|
 |[[~~1~~]]2|[[~~N~~]]K=
 H|1|-|

66

October 20, 1886.

Plate 446

| Type No. | Remarks | No. Lines | K | Focus | Other Lines |
|----------|---------------------|-----------|-----|-------|-------------|
| 8 45 | V | H | | | |
| 22.6 | 9.5 | III | ^ | 94 | 2 |
| 21.5 | 14.7 | I | | | |
| 18.5 | 19.9 | I | | | |
| 17.8 | 10.1 | I | | | |
| 17.4 | 9.6 | I | | | |
| 17.2 | 11.1 | I | | | |
| 16.7 | 16.1 | III | | | |
| 16.2 | 19.5 | I | | | |
| 16.1 | 19.8 | | | | |
| 16.2 | 20.9 | I | | | |
| 16.3 | 23.3 | I | | | |
| 15.5 | 16.8 | I | | | |
| 15.0 | 16.6 | | | | |
| 15.0 | 15.8 | I | | | |
| 15.2 | 11.8 | I | | | |
| 14.8 | 11.3 | I | | | |
| 15.8 | 8.2 | I | | | |
| III? | 5.6, 6.0, 7.0, 15.4 | 7.9 | III | | |
| 14.0 | 8.3 | III | | | |
| 14.0 | 9.3 | I | | | |
| 14.0 | 14.4 | I | | | |
| 14.0 | 19.2 | I | | | |
| 13.7 | 21.0 | I | | | |
| 12.9 | 20.2 | I | | | |
| 13.0 | 13.7 | III | | | |
| 12.1 | 13.4 | I | | | |
| 11.6 | 13.2 | III | | | |

| |11.5|18.0|| |~~4~~5|N|1|-|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 6

| No. | R.A. | Dec. | Mag. | Br. |
|-------------|----------------|-------------|----------|----------------|
| 8 18 + 61.2 | 1054 | 8 18.2 + 61 | 11 3.3 - | 5.1 |
| 5.4 | 5.9 | 6.2 | 4.9 | 5.2 |
| 7 57 + 51.9 | 1391 | 4 54.6 + 51 | 55 5.1 - | 5.7 |
| 6.2 | 4.2 | 5.1 | | |
| 7 33 + 63.2 | 733 | 4 33.3 + 63 | 10 7.0 | 6.5 |
| 6.4 | 5.9 | | | |
| 8 13 + 53.6 | 1246 | 8 12.8 + 53 | 40 6.0 - | 6.0 |
| 6.6 | 5.6 | 5.4 | | |
| 8 30 + 73.8 | 430 | 8 30.1 + 73 | 48 7.0 | 6.8 |
| 8.2 | 7.2 | 6.2 | | |
| 8 18 + 73.9 | 420 | 8 18.6 + 73 | 56 7.3 - | 6.8 |
| 8.2 | 7.2 | 6.2 | | |
| 7 42 + 74.3 | 338 | 7 42.8 + 74 | 18 5.2 - | 6.3 |
| 7.7 | 8.0 | 6.7 | 7.0 | 5.7 |
| 7 33 + 64.4 | 649 | 7 33.5 + 64 | 23 7.1 | 6.5 |
| 7.4 | 6.4 | 5.9 | | |
| 7 39 + 54.5 | 1177 | 7 39.7 + 54 | 29 6.3 - | 6.5 |
| 7.1 | 6.1 | 5.9 | | |
| 7 8 + 74.2 | 322 | 7 7.9 + 74 | 7 7.5 | 6.8 |
| 8.2 | 7.2 | 6.2 | | |
| 7 15 + 64.1 | 633 | 7 15.1 + 64 | 8 7.7 - | 6.8 |
| 7.7 | 6.7 | 6.2 | | |
| 7 49 + 54.8 | 1188 | 7 49.8 + 54 | 50 6.7 - | 6.7 |
| 7.3 | 6.3 | 6.1 | | |
| 7 46 + 65.1 | 606 | 7 46.9 + 65 | 9 7.1 - | 6.5 |
| 7.4 | 6.4 | 5.9 | | |
| 7 53 + 65.1 | 1242 | 7 53.2 + 65 | 9 7.5 | 6.9 |
| 7.5 | 6.5 | 6.3 | | |
| 8 7 + 55.0 | 1265 | 8 19.6 + 54 | 36 7.2 | 6.7 |
| 7.3 | 6.3 | 6.1 | | |

67

Mean 6

| No. | R.A. | Dec. | Mag. | Br. |
|-------------|------|-------------|----------|-----|
| 8 18 + 61.2 | 1054 | 8 18.2 + 61 | 11 3.3 - | 5.1 |
| 5.4 | 5.9 | 6.2 | 4.9 | 5.2 |
| 7 57 + 51.9 | 1391 | 4 54.6 + 51 | 55 5.1 - | 5.7 |
| 6.2 | 4.2 | 5.1 | | |
| 7 33 + 63.2 | 733 | 4 33.3 + 63 | 10 7.0 | 6.5 |
| 6.4 | 5.9 | | | |
| 8 13 + 53.6 | 1246 | 8 12.8 + 53 | 40 6.0 - | 6.0 |
| 6.6 | 5.6 | 5.4 | | |
| 8 30 + 73.8 | 430 | 8 30.1 + 73 | 48 7.0 | 6.8 |
| 8.2 | 7.2 | 6.2 | | |
| 8 18 + 73.9 | 420 | 8 18.6 + 73 | 56 7.3 - | 6.8 |
| 8.2 | 7.2 | 6.2 | | |
| 7 42 + 74.3 | 338 | 7 42.8 + 74 | 18 5.2 - | 6.3 |
| 7.7 | 8.0 | 6.7 | 7.0 | 5.7 |
| 7 33 + 64.4 | 649 | 7 33.5 + 64 | 23 7.1 | 6.5 |
| 7.4 | 6.4 | 5.9 | | |
| 7 39 + 54.5 | 1177 | 7 39.7 + 54 | 29 6.3 - | 6.5 |
| 7.1 | 6.1 | 5.9 | | |
| 7 8 + 74.2 | 322 | 7 7.9 + 74 | 7 7.5 | 6.8 |
| 8.2 | 7.2 | 6.2 | | |
| 7 15 + 64.1 | 633 | 7 15.1 + 64 | 8 7.7 - | 6.8 |
| 7.7 | 6.7 | 6.2 | | |
| 7 49 + 54.8 | 1188 | 7 49.8 + 54 | 50 6.7 - | 6.7 |
| 7.3 | 6.3 | 6.1 | | |
| 7 46 + 65.1 | 606 | 7 46.9 + 65 | 9 7.1 - | 6.5 |
| 7.4 | 6.4 | 5.9 | | |
| 7 53 + 65.1 | 1242 | 7 53.2 + 65 | 9 7.5 | 6.9 |
| 7.5 | 6.5 | 6.3 | | |
| 8 7 + 55.0 | 1265 | 8 19.6 + 54 | 36 7.2 | 6.7 |
| 7.3 | 6.3 | 6.1 | | |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 20, 1886.

Plate 446.

[[9 columned table]]

| V | H | Type No. | Remarks | No. Lines | K | Focus | Other Lines |
|------|------|----------|--------------------|-----------|---|-------|-------------|
| 11.4 | 23.0 | II | [[5]] | 6 | N | 2 | - |
| 10.5 | 6.9 | II | [[5]] | 6 | N | 1 | - |

| | | | | | | | |
|------|---------------|------|--------------------|-----|--------------------|--------------------|--------------------|
| 10.0 | 16.3 | II | [[5]] | 99 | [[3]] | [[5]] | [[3]] |
| III | 5.2, 5.7, 9.6 | 22.6 | III | 100 | 2 | K=H | 2 |
| 9.2 | 16.2 | II | [[5]] | 6 | [[5]] | [[5]] | [[5]] |

| | | | | | | | |
|------|---------------|------|--------------------|-----|--------------------|--------------------|--------------------|
| 10.0 | 16.3 | II | [[5]] | 99 | [[3]] | [[5]] | [[3]] |
| III | 5.2, 5.7, 9.6 | 22.6 | III | 100 | 2 | K=H | 2 |

| | | | | | | | |
|-------------------------------|------|------|--------------------|----|--------------------|--------------------|--------------------|
| 9.2 | 16.2 | II | [[5]] | 6 | [[5]] | [[5]] | [[5]] |
| check mark and unknown symbol | 9.0 | 15.6 | II | 99 | [[3]] | [[5]] | [[3]] |

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|---|
| 9.0 | 11.5 | II | [[5]] | 6 | K=H | 1 | - |
| 9.2 | 7.4 | II | [[5]] | 4 | [[5]] | 5 | N |

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|---|
| 8.7 | 10.8 | II | [[5]] | 2 | [[5]] | 3 | N |
|-----|------|----|--------------------|---|--------------------|---|---|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|---|
| 8.0 | 19.4 | II | [[5]] | 4 | [[5]] | 5 | N |
|-----|------|----|--------------------|---|--------------------|---|---|

| | | | | | | | |
|-----|------|-----|-----|--------------------|---|-----|---|
| 7.6 | 14.0 | III | 101 | [[5]] | 2 | K=H | 1 |
|-----|------|-----|-----|--------------------|---|-----|---|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|---|
| 7.5 | 10.8 | II | [[5]] | 4 | [[5]] | 1 | - |
|-----|------|----|--------------------|---|--------------------|---|---|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|---|
| 7.0 | 21.3 | II | [[5]] | 6 | [[5]] | 7 | N |
|-----|------|----|--------------------|---|--------------------|---|---|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|--------------------|
| 6.5 | 20.3 | II | [[5]] | 4 | [[5]] | N | [[5]] |
|-----|------|----|--------------------|---|--------------------|---|--------------------|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|-----|
| 6.5 | 16.5 | II | [[5]] | 4 | [[5]] | 5 | K=H |
|-----|------|----|--------------------|---|--------------------|---|-----|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|--------------------|
| 6.0 | 15.3 | II | [[5]] | 4 | [[5]] | N | [[5]] |
|-----|------|----|--------------------|---|--------------------|---|--------------------|

| | | | | | | | |
|-----|-----|----|--------------------|---|--------------------|---|---|
| 6.9 | 8.1 | II | [[5]] | 3 | [[5]] | 4 | N |
|-----|-----|----|--------------------|---|--------------------|---|---|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|---|
| 5.7 | 15.4 | II | [[5]] | 7 | [[5]] | 8 | N |
|-----|------|----|--------------------|---|--------------------|---|---|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|--------------------|
| 5.5 | 12.3 | II | [[5]] | 6 | [[5]] | 7 | [[5]] |
|-----|------|----|--------------------|---|--------------------|---|--------------------|

| | | | | | | | |
|-----|-----|----|--------------------|---|--------------------|---|--------------------|
| 4.2 | 5.9 | II | [[5]] | 2 | [[5]] | 4 | [[5]] |
|-----|-----|----|--------------------|---|--------------------|---|--------------------|

| | | | | | | | |
|-----|-----|----|--------------------|---|--------------------|---|---|
| 4.0 | 7.0 | II | [[5]] | 3 | [[5]] | 4 | N |
|-----|-----|----|--------------------|---|--------------------|---|---|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|---|
| 4.0 | 11.0 | II | [[5]] | 3 | [[5]] | 4 | N |
|-----|------|----|--------------------|---|--------------------|---|---|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|-----|
| 3.8 | 12.9 | II | [[5]] | 4 | [[5]] | 5 | K=H |
|-----|------|----|--------------------|---|--------------------|---|-----|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|---|
| 4.0 | 16.4 | II | [[5]] | 5 | [[5]] | 6 | N |
|-----|------|----|--------------------|---|--------------------|---|---|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|--------------------|
| 3.9 | 19.3 | II | [[5]] | 4 | [[5]] | 5 | [[5]] |
|-----|------|----|--------------------|---|--------------------|---|--------------------|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|--------------------|
| 4.0 | 22.9 | II | [[5]] | 3 | [[5]] | 5 | [[5]] |
|-----|------|----|--------------------|---|--------------------|---|--------------------|

| | | | | | | | |
|-----|----------|-----|--------------------|-----|--------------------|--------------------|--------------------|
| III | 4.4, 4.8 | 4.8 | [[5]] | 102 | [[5]] | [[5]] | [[5]] |
|-----|----------|-----|--------------------|-----|--------------------|--------------------|--------------------|

| | | | | | | | |
|--------|-----|-----|-----|-----|--------------------|--------------------|--------------------|
| SYMBOL | 3.0 | 9.4 | III | 102 | [[5]] | [[5]] | [[5]] |
|--------|-----|-----|-----|-----|--------------------|--------------------|--------------------|

| | | | | | | | |
|--------|---|------|-----|--------------------|--------------------|--------------------|--------------------|
| K=1.2H | 4 | seen | 102 | [[5]] | [[5]] | [[5]] | [[5]] |
|--------|---|------|-----|--------------------|--------------------|--------------------|--------------------|

| | | | | | | | |
|-----|------|----|--------------------|---|--------------------|---|---|
| 2.2 | 10.1 | II | [[5]] | 2 | [[5]] | 1 | - |
|-----|------|----|--------------------|---|--------------------|---|---|

68

October 20, 1886.

Plate 446.

Table with 8 columns: V, H, Type No., Remarks, No. Lines, K, Focus, Other Lines. The table contains handwritten entries with various numbers and symbols, including checkmarks and unknown symbols. The entries are organized into rows, with some rows having multiple columns filled with data. The handwriting is in cursive and includes some corrections and annotations.

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

| No. R.A. | Dec. | Mag. | Br. |
|--|------|------|-----|
| 7 13 + 66.6 502 7 13.0^[^[^]] +66^[^[^]] 37 6.2 1385 6.2 8.2 | | | |

[illegible]

October 20, 1886.

Plate 446.

[[8 columned tables]]

v|H|Type|No. Remark|No. Lines|K|Focus|Other Lines|

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

1.9|18.3||3|N|1|-|

4.2|22.3|[[strikethrough]] ? [[/strikethrough]]||a|103|[[strikethrough]] 0

[[/strikethrough]] 2|[[strikethrough]] N [[/strikethrough]] K=H.2|- [[/?]]|

Plate 458

[[7 column table]]

21.0|15.7||5|N|1|-|

19.9|11.5| [[/strikethrough]] I [[/strikethrough]] ||a|104| [[/strikethrough]] 6 2

[[/strikethrough]] 3|[[strikethrough]] N [[/strikethrough]] K=1.2H|2|F [[/?]]

20.0|12.6|Id?|[[strikethrough]]

4|[[strikethrough]] 5|[[strikethrough]] N|[[/strikethrough]] K=H|1|-|

19.0|13.1||Ib.c. 105|1|[[crossout]] 2|N|[[crossout]] K=H|1|[[/?]]

18.6|23.3|[[crossout]] ||a|106|2|N|[[crossout]] K=H|1|[[/?]]|

18.0|13.4||4|[[crossout]] 5|N|[[crossout]] K=5H|1|-|

17.4|12.5||2|[[crossout]] 4|N|[[crossout]] K=H|1|-|

17.3|19.1||3|[[crossout]] 4|N|1|-|

17.4|19.6||4|N|1|-|

16.5|14.6||[[crossout]] ||a|107|3|[[crossout]] 2|N|[[crossout]] K=H|1|[[/?]]

15.7|11.2||4|[[crossout]] 5|N|1|-|

15.5|10.4||6|N|[[crossout]] K=.8H|2|-|

15.7|13.2||2|N|1|-|

15.4|19.8||6|[[crossout]] 8|N|4|F|

15.0|23.6||4|[[crossout]] 6|N|1|F|

14.6|18.2||4|N|[[crossout]] K=.1H|1|-|

14.5|15.2||3|[[crossout]] 4|N|1|-|

14.9|7.6||4|[[crossout]] 5|N|1|-|

14.0|7.9||Ib.c. 108|3|[[crossout]] 2|K=H|2|-|[[/?]]

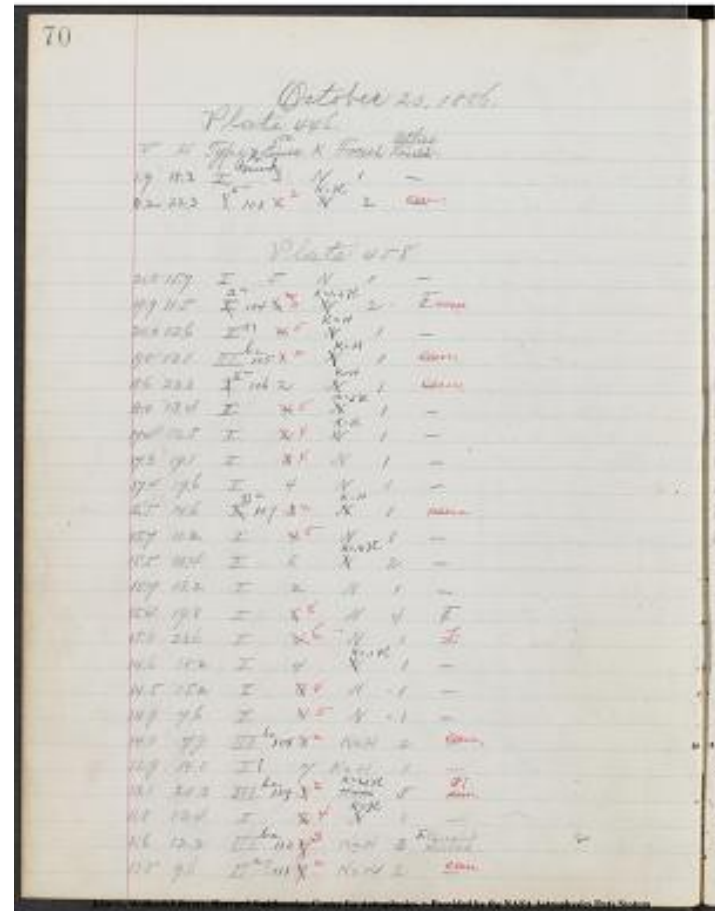
12.9|14.0||?|7|K=H|1|-|

13.1|20.3||Ib.c. 109|3|[[crossout]] 2|K=H|[[crossout]] K=1.2H|5|F?|[[/?]]

11.8|13.4||2|[[crossout]] 4|N|[[crossout]] K=H|1|-|

11.6|12.2||Ib.a. 110|7|[[crossout]] 3|K=H|3|F. Bright lines|

11.5|9.6||I^a? 111|7|[[crossout]] 2|K=H|[[/?]]|2|[[/?]]|



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

71

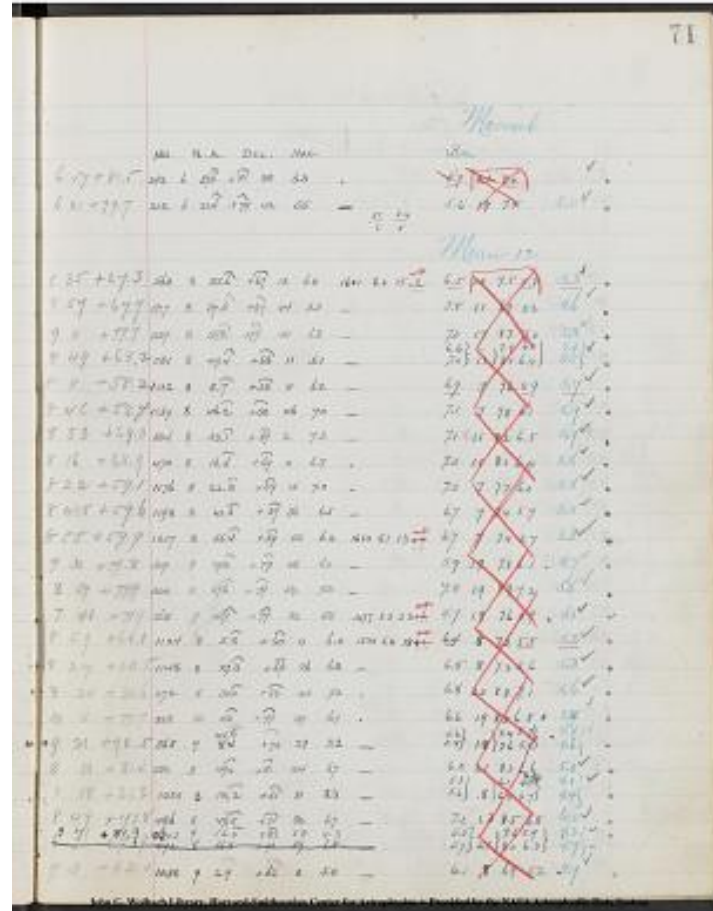
Mean 6

[[9 columned table]]
 | NO. | R.A. | DEC. | MAG. | Br. | | |
 |-----|-----|-----|-----|-----|-----|
 6 57 +81.5|242|6 57.6^|+81^| 30|6.3|.|~~5.9~~|2.1
 8.0|~~5.9~~|
 6 21 +79.7|212|6 21.4^|+79^| 42|5.5|~~5.6~~|1.9
 7.5|~~5.0~~|

[[equation]] [[equation]]

Mean 12

[[9 columned table]]
 8 35 +67.3|560|8 35.6^|+67^| 13|6.0|1601 6.0 15 ~~3~~
 2|~~6.5~~|~~5.3~~|
 8 57 +67.7|577|8 57.6^|+67^| 44|5.3|~~5.8~~|1.1 6.9
 5.2|~~4.6~~|
 9 0 +77.7|359|8 59.8^|+77^| 40|6.8|~~7.0~~|1.7 8.7
 7.0|~~5.8~~|
 8 49 +68.2|551|8 49.4^|+68^| 11|5.1|~~7.0~~|~~6.6~~|1.1
 8.1^|~~7.7~~| 6.4^|~~6.0~~|~~5.3~~|
 8 8 +58.2|1112|8 8.7^|+58^| 11|6.2|
 6.9|~~6.9~~|
 8 46 +58.7|1159|8 46.2^|+58^| 46|7.0|~~7.1~~|7.7 8.8
 6.1|~~5.9~~|
 8 53 +69.0|504|8 53.1^|+69^| 2|7.3|~~7.1~~|1.1 8.2
 6.5|~~5.9~~|
 8 16 +68.9|470|8 16.6^|+69^| 0|6.7|~~7.0~~|1.1 8.1
 6.4|~~5.8~~|
 8 22 +59.1|1176|8 22.3^|+59^| 4|7.0|~~7.0~~|7.7 7.7
 6.0|~~5.8~~|
 8 41.8 +59.6|1198|8 41.6^|+59^| 36|6.5|~~6.7~~|7.7 7.4
 5.7|~~5.5~~|
 8 55 +59.9|1217|8 55.4^|+59^| 55|6.2|1650 6.1 13~~3~~
 4|~~6.7~~|~~6.7~~|~~5.5~~|
 9 30 +79.8|319|9 29.8^|+79^| 48|6.0|~~5.9~~|1.9 7.8
 6.1|~~4.7~~|
 8 57 +79.9|300|8 57.6^|+79^| 52|7.3|~~7.0~~|1.9 8.9
 7.2|~~5.8~~|
 7 41 +79.9|265|7 41.9^|+79^| 52|5.8|1477 5.3 23~~3~~
 5|~~5.7~~|~~5.7~~|~~4.5~~|
 8 5.9 +60.0|1124|8 5.8^|+60^| 0|6.0|1530 5.4 18~~3~~
 0|~~6.4~~|~~6.4~~|~~8.7~~|
 8 24 +60.5|1148|8 27.3^|+60^| 26|6.8|~~6.5~~|8.7 7.3
 5.6|~~5.3~~|
 8 34 +80.6|272|8 34.0^|+80^| 34|7.3|~~6.8~~|2.0 8.8
 7.1|~~5.6~~|
 10 1 +79.7|328|10 0.8^|+79^| 39|6.7|~~6.6~~|1.9 8.5
 6.8|~~5.4~~|
 9 21 +40.5|565|9 9.4^|+70^| 21.6^|+70^|
 29|5.2|~~5.8~~|~~5.6~~|~~1.8~~| 7.6^|~~7.4~~|
 5.9^|~~5.6~~|~~4.6~~|



|8 50 +81.4|282|8 49.2^[[]]+81^[[] 24|6.7|-|6.2|[[/strikethrough]]2.1 8.3
 6.6[[/strikethrough]]5.0•|
 |8 18 +61.2|1054|8 18.2^[[]]+61^[[] 11|3.3|-
 |5.6^[[5.3]]|[[/strikethrough]].8} 6.4^[[6.1]] 4.7^[[
 [[/strikethrough]]4.7[[/strikethrough]]4.4]]|[[/strikethrough]]4.4^[[4.1]]}•|
 |8 49 +71.8|486|8 49.5^[[]]+71^[[] 52|6.7|-|7.2|[[/strikethrough]]1.3 8.5
 6.8[[/strikethrough]]6.0•|
 |[[/strikethrough]]8 56 +71.9[[/strikethrough]]9 17
 +81.9|[[/strikethrough]]492[[/strikethrough]]|[[/strikethrough]]27[[/strikethrou
 gh]]302|[[/strikethrough]]8 56.8[[/strikethrough]]9
 16.0^[[]]|[[/strikethrough]]+71 57[[/strikethrough]]+81^[[]]
 58|[[/strikethrough]]6.5[[/strikethrough]]4.3|-
 |5.9^[[5.5]]|[[/strikethrough]]2.1} 8.0^[[7.6]]
 6.3^[[5.9]]|[[/strikethrough]]4.7^[[4.3]]}•|
 |9 3 +62.0|1058|9 2.9^[[]]+62^[[] 0|5.0|-|6.1|[[/strikethrough]].8 6.9
 5.2[[/strikethrough]]4.9•|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 20, 1886.

Plate 458.

[[8 columned table]]

| v | H | Type | No. Lines | K | Focus | Other Lines |

| 11.2 | 6.7 | | 4 | N | 1 | - |

| [[?]] | 10.9 | 10.1 | | | ~~3~~ | ~~4~~ |
| ~~[[?]]~~ | N | ~~[[?]]~~ | K=H | 1 | - |

| 10.7 | 14.7 | | 7 | K=H | 2 | - |

| 11.0 | 22.1 | | | ~~5~~ | ~~6~~ | N | 2 | - |

| 10.6 | 20.3 | | 3 | N | 1 | - |

| 10.1 | 16.0 | | | ~~5~~ | ~~6~~ | N | 1 | - || 9.7 | 17.4 | | | ~~5~~ | ~~6~~ | N | 2 | - || 9.4 | 8.8 | | ~~[[?]]~~ | ~~[[?]]~~ | 11^a | 112 |
| ~~[[?]]~~ | 4 | ~~[[?]]~~ | 3 | K=H | 1 | seen |

| 9.4 | 12.3 | | 3 | N | 1 | - |

| 9.0 | 15.0 | | 3 | N | 1 | - |

III? 5.8.6.0|9.0|20.9|IIIbc

113|3|?~~[[?]]~~K=H|1|F?~~[[?]]~~seen||8.4|11.8||5|~~[[?]]~~6|K=.5H|2|-||8.2|16.7||4|~~[[?]]~~5|N?|1|-|

|8.0|16.2||4|N|1|-|

|7.8|13.4||4|~~[[?]]~~5|K=H|1|-|

Peculiar spectrum|7.5|10.8|Ibc 114|7|K=.2H|4|seen|

|8.0|9.4|I?|7|~~[[?]]~~8|K=H|4|-||8.1|8.3|I|2|~~[[?]]~~3|N|1|-||7.5|8.7|I|3|~~[[?]]~~4|N|~~[[?]]~~K=H|1|-||7.6|6.1|I^a|6|N?|5|-||6.2|14.5|I|6|~~[[?]]~~7|N|~~[[?]]~~K=H|1|-||6.5|17.5|I|5|~~[[?]]~~6|N|~~[[?]]~~K=.2H|1|-|III?5.9.6.2^a[[?]]6.0|17.6|II^a[[?]]115|[[?]]5|[[?]]2|K
=H|1|seen|

|5.6|17.7|I|[[?]]2|[[?]]3|N|1|-|

|5.1|17.4|I|[[?]]2|[[?]]4|N|1|-|

|5.5|14.1|[[?]]I|[[?]]3|[[?]]N|[[?]]
through|K=H|1|[[?]]F. [[?]]

|5.3|9.5|I|[[?]]3|[[?]]5|N|1|-|

|5.0|11.0|I|7. [[?]]K=H|[[?]]K=.3H|3|[[?]]
F[[?]]?

72

October 20, 1886

Plate 458.

| v | H | Type | No. Lines | K | Focus | Other Lines |
|------|----------------------|------|-----------|------|-----------------|-------------|
| 11.2 | 6.7 | | 4 | N | 1 | - |
| 10.9 | 10.1 | | | | | |
| 10.7 | 14.7 | | 7 | K=H | 2 | - |
| 11.0 | 22.1 | | | | | |
| 10.6 | 20.3 | | 3 | N | 1 | - |
| 10.1 | 16.0 | | | | | |
| 9.7 | 17.4 | | | | | |
| 9.4 | 8.8 | | | | | |
| 9.4 | 12.3 | | 3 | N | 1 | - |
| 9.0 | 15.0 | | 3 | N | 1 | - |
| III? | 5.8.6.0 | | 9.0 | 20.9 | IIIbc | |
| 113 | 3 | | | | | |
| 8.4 | 11.8 | | 5 | | | |
| 8.2 | 16.7 | | 4 | | | |
| 8.0 | 16.2 | | 4 | N | 1 | - |
| 7.8 | 13.4 | | 4 | | | |
| 7.5 | 10.8 | | | | | |
| 8.0 | 9.4 | | 7 | | | |
| 8.1 | 8.3 | | 2 | | | |
| 7.5 | 8.7 | | 3 | | | |
| 7.6 | 6.1 | | | | | |
| 6.2 | 14.5 | | 6 | | | |
| 6.5 | 17.5 | | 5 | | | |
| III? | 5.9.6.2 ^a | | 6.0 | 17.6 | II ^a | |
| 5.6 | 17.7 | | | | | |
| 5.1 | 17.4 | | | | | |
| 5.5 | 14.1 | | | | | |
| 5.3 | 9.5 | | | | | |
| 5.0 | 11.0 | | | | | |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 12

[[left margin]] | No. | R.A. | Dec. | MAG. | Br.
 10 29 +81.2|349|10 28.9^[[^]]+81^[[^]] 11|6.2|_|
 [[underline]]6.5[[/underline]]|[[strikethrough]]2.0|8.7|[[underline]]7.0|[[und
 erline]]|[[strikethrough]].|5.3 [[symbol - checkmark]]
 9 1
 +62.5|[[strikethrough]]1053|[[strikethrough]]^1055^1054|[[strikethrough]]
 9 |[[strikethrough]]^9^9|[[strikethrough]]1.1|[[strikethrough]]^[[^]]|1.2^1.2|
 [[strikethrough]]+62|[[strikethrough]]^[[^]]|62^+62|[[strikethrough]]32|[[stri
 kethrough]]^15^14|[[strikethrough]]8.5|[[strikethrough]]^7.6^7.6 [[symbol
 - right hand bracket]]|_|6.9
 6.8|[[strikethrough]].8|7.7|6.0|[[strikethrough]].|5.7 [[symbol -
 checkmark]]
 8 41 +62.5|1027|8 41.4^[[^]]+62^[[^]] 30|5.7|_|
 |6.3|[[strikethrough]].8|7.1|5.4|[[strikethrough]].|5.1 [[symbol -
 checkmark]]
 6 58 +81.5|242|6 57.6^[[^]]+81^[[^]] 30|6.3|_|
 |5.8|[[strikethrough]].2|1.7|9|6.2|[[strikethrough]].|4.6 [[symbol -
 checkmark]]
 7 18 +82.0|21.3|7 18.8^[[^]]+82^[[^]]0|7.5|_|
 |7.0|[[strikethrough]].2|1.9|1|7.4|[[strikethrough]].|5.8 [[symbol -
 checkmark]]
 .8 19 +82.8|253|8 19.7^[[^]]+82^[[^]] 44|7.0|_|
 |5.9|[[strikethrough]].2|2.8|1|6.4|[[strikethrough]].|4.7 [[symbol -
 checkmark]]
 7 55 +82.9|235|7 56.0^[[^]]+82^[[^]] 52|6.5|_|
 |5.7|[[strikethrough]].2|3.8|0|6.3|[[strikethrough]].|4.5 [[symbol -
 checkmark]]
 9 21 +72.8|462|9 21.2^[[^]]+72^[[^]] 50|6.0|_|
 |6.4|[[strikethrough]].1|3.7|7|6.0|[[strikethrough]].|5.2 [[symbol -
 checkmark]]
 9 19 +83.0|262|9 19.0^[[^]]+83^[[^]] 0|7.5|_|
 |6.6|[[strikethrough]].2|3.8|9|7.2|[[strikethrough]].|5.4 [[symbol -
 checkmark]]
 8 35 +83.3|233|8 35.8^[[^]]+83^[[^]] 17|7.0|_|
 |6.5|[[strikethrough]].2|3.8|5|6.8|[[strikethrough]].|5.3 [[symbol -
 checkmark]]
 7 0 +82.7|201|7 0.3^[[^]]+82^[[^]] 40|5.5|_| 6.4^[[6.0]]| 2.2|
 8.6^[[8.2]]|6.9^[[6.5]]|[[symbol - right hand bracket]].|5.2^[[4.8]]|[[symbol -
 checkmark]]
 9 0 +73.6|452|9 1.2^[[^]]+73^[[^]]|32|6.0|_| 6.2 [[strikethrough]]1.4 7.6
 5.9|[[strikethrough]].|5.0 [[symbol - checkmark]]
 8 26 +73.7|428|8 27.0^[[^]]+73^[[^]] 40|6.5|_| 6.6 [[strikethrough]]1.4
 8.0 6.3|[[strikethrough]].|5.4 [[symbol - checkmark]]
 8 30 +73.8|430|8 30.1^[[^]]+73^[[^]] 48|7.0|_| 7.0 [[strikethrough]]1.4
 8.4 6.7|[[strikethrough]].|5.8 [[symbol - checkmark]]
 8 46.9 +63.9|812|8 46.9^[[^]]+63^[[^]] 54|7.2|_| 6.9 [[strikethrough]]1.9
 7.8 6.1|[[strikethrough]].|5.7 [[symbol - checkmark]]
 8 58 +64.1|723|8 58.9^[[^]]+64^[[^]] 6|5.0|_| 5.7 [[strikethrough]]1.9 6.6
 4.9|[[strikethrough]].|4.5 [[symbol - checkmark]]
 [[strikethrough]]9 19 +73.6|[[strikethrough]]^[[10 13
 +83.3]]|[[strikethrough]]467|9 19.6|+73 39|8.1|[[strikethrough]]^[[297|10
 13.0^[[^]]+83^[[^]] 18|5.2|_|5.5 [[strikethrough]]1.4 6.9
 5.2|[[strikethrough]].|4.3 [[symbol - checkmark]]
 9 26 +73.4|471|9 25.7^[[^]]+73^[[^]] 23|7.0|_| 7.2 [[strikethrough]]1.4
 8.6 6.9|[[strikethrough]].|6.0 [[symbol - checkmark]]
 9 24 +73.7|470|9 24.0^[[^]]+73^[[^]] 44|6.5|_| 6.8 [[strikethrough]]1.4
 8.2 6.5|[[strikethrough]].|5.6 [[symbol - checkmark]]
 9 20 +63.6|845|9 20.1^[[^]]+63^[[^]] 40|3.5|_|
 |[[underline]]5.3|[[underline]]|[[strikethrough]].9 6.2

73

Mean 12

| No. | R.A. | Dec. | MAG. | Br. |
|--------|-------|------|---------|--------|
| 10 29 | +81.2 | 349 | 10 28.9 | 11 6.2 |
| 9 1 | | | | |
| 8 41 | +62.5 | 1027 | 8 41.4 | 30 5.7 |
| 6 58 | +81.5 | 242 | 6 57.6 | 30 6.3 |
| 7 18 | +82.0 | 21.3 | 7 18.8 | 0 7.5 |
| .8 19 | +82.8 | 253 | 8 19.7 | 44 7.0 |
| 7 55 | +82.9 | 235 | 7 56.0 | 52 6.5 |
| 9 21 | +72.8 | 462 | 9 21.2 | 50 6.0 |
| 9 19 | +83.0 | 262 | 9 19.0 | 0 7.5 |
| 8 35 | +83.3 | 233 | 8 35.8 | 17 7.0 |
| 7 0 | +82.7 | 201 | 7 0.3 | 40 5.5 |
| 9 0 | +73.6 | 452 | 9 1.2 | 32 6.0 |
| 8 26 | +73.7 | 428 | 8 27.0 | 40 6.5 |
| 8 30 | +73.8 | 430 | 8 30.1 | 48 7.0 |
| 8 46.9 | +63.9 | 812 | 8 46.9 | 54 7.2 |
| 8 58 | +64.1 | 723 | 8 58.9 | 6 5.0 |
| 9 19 | +73.6 | | | |
| 9 26 | +73.4 | 471 | 9 25.7 | 23 7.0 |
| 9 24 | +73.7 | 470 | 9 24.0 | 44 6.5 |
| 9 20 | +63.6 | 845 | 9 20.1 | 40 3.5 |

~~4.5~~.~~4.1~~
~~8.45 + 84.8|196|8.44.3[^] + 84[^] 45|6.0|~~ ~~6.0~~ ~~2.6~~
~~8.6.6.9~~~~4.8~~ ~~7.42 + 84.5|169|7.41.6[^] + 84[^] 28|6.0|~~ ~~5.8~~ ~~2.5~~
~~8.3.6.6~~~~4.6~~ ~~8.24 + 64.8|698|8.27.5[^] + 64[^] 49|4.7|~~ ~~6.5[^] [6.1]~~
~~9~~ ~~7.4[^] [7.0]~~
~~5.7[^] [5.3]~~~~5.3[^] [4.9]~~ ~~6.8~~ ~~2.6~~
~~7.32 + 84.8|168|7.33.6[^] + 84[^] 47|7.8|.|~~ ~~6.8~~ ~~2.6~~
~~9.4.7.7~~~~5.6~~ ~~8.20 + 75.3|342|8.19.8[^] + 75[^] 13|6.4|.|~~ ~~6.5~~ ~~1.5~~
~~8.0.6.3~~~~5.3~~ ~~8.44 + 65.2|673|8.44.1[^] + 65[^] 9|6.0|~~ ~~6.9[^] [6.5]~~
~~9~~ ~~7.8[^] [7.4]~~
~~6.1[^] [5.7]~~~~5.7[^] [5.3]~~ ~~6.4~~ ~~1.5~~
~~9.21 + 74.9|402|9.21.6[^] + 74[^] 59|7.3|.|~~ ~~6.4~~ ~~1.5~~
~~7.9.6.2~~~~5.2~~ ~~10.7 + 84.9|234|10.7.8[^] + 84[^] 59|5.0|~~ ~~5.3~~ ~~2.6~~
~~7.9.6.2~~~~4.1~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 20, 1886.

Plate 458.

[[8 columned table]]

v|H|Type|No. Remark|No. Lines|K|Focus|Other Lines|

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

4.6|17.8|II ?| 3|K=H|1|-7|

4.5|18.8|II |[[\strikethrough]] 5 |[[\strikethrough]] 6|[[\strikethrough]] N

|[[\strikethrough]] K=.1H|2|-|

4.0|10.8|II |[[\strikethrough]] 4 |[[\strikethrough]] 6|[[\strikethrough]] N

|[[\strikethrough]] K=.2H|1|-|

3.0|19.5|[[\strikethrough]] I |[[\strikethrough]] III| |[[\strikethrough]] 3

|[[\strikethrough]] 2|[[\strikethrough]] N |[[\strikethrough]] K=H|1|-|

Plate 441

21.0|16.7|[[\strikethrough]] I ? |[[\strikethrough]] II a|116|[[\strikethrough]] 4

|[[\strikethrough]] 2|[[\strikethrough]] ? |[[\strikethrough]] K=H|1|-seen.|

20.6|17.0|I?| |[[\strikethrough]] 3 |[[\strikethrough]] 4|[[\strikethrough]] N

|[[\strikethrough]] K=H|1|-|

20.6|19.1|II |[[\strikethrough]] 6 |[[\strikethrough]] 7|[[\strikethrough]] N

|[[\strikethrough]] K=.1H|2|-|

20.6|11.6|[[\strikethrough]] I |[[\strikethrough]] II a|117|[[\strikethrough]] 7

|[[\strikethrough]] 2|[[\strikethrough]] K=H |[[\strikethrough]] K=1.2H|4|-

seen|

20.0|11.1|II |6|N|3|-|

19.8|21.6|II |[[\strikethrough]] 4 |[[\strikethrough]] 5|[[\strikethrough]] N

|[[\strikethrough]] K=H|1|-|

19.1|15.5|II |[[\strikethrough]] 3 |[[\strikethrough]] 4|N|1|-|

19.6|12.7|P II a|118|[[\strikethrough]] 3 |[[\strikethrough]] 2|K=H|1|-seen|

19.5|11.4|III I|119|[[\strikethrough]] 3 |[[\strikethrough]] 2|K=H|1|-seen.|

Recorded alone |[[\strikethrough]] 19.1|15.5|II |3|N|1|-|[[\strikethrough]]

|18.5|12.0|I |[[\strikethrough]] III |[[\strikethrough]]

|[[\strikethrough]] 3 |[[\strikethrough]] 4|N |[[\strikethrough]] K=H

|[[\strikethrough]] 1|-|

18.3|15.5|II |[[\strikethrough]] 6 |[[\strikethrough]] 7|K=.2H|2|-|

18.0|12.7|[[\strikethrough]] I |[[\strikethrough]] II a|120|[[\strikethrough]] 9

|[[\strikethrough]] 3|K=.8H|5|-F|

17.9|12.3|I?| |[[\strikethrough]] 4 |[[\strikethrough]] 6|[[\strikethrough]] N

|[[\strikethrough]] K=H|1|-|

17.0|17.3|II |[[\strikethrough]] 7 |[[\strikethrough]] 9|[[\strikethrough]] N

|[[\strikethrough]] K=.2H|3|-F|

17.1|19.8|II |[[\strikethrough]] 2 |[[\strikethrough]] 3|N|1|-|

17.3|20.3|II |4|N|1|-|

III ? 6.6, 6.8 |18.0|9.2|III| |[[\strikethrough]] 0 |[[\strikethrough]]

2|[[\strikethrough]] N |[[\strikethrough]] K=H|1|-|

17.0|6.5|II |[[\strikethrough]] 2 |[[\strikethrough]] 3|N|1|-|

16.5|9.5|[[\strikethrough]] I |[[\strikethrough]] II a|121|2|[[\strikethrough]] N

|[[\strikethrough]] K=H|1|seen.|

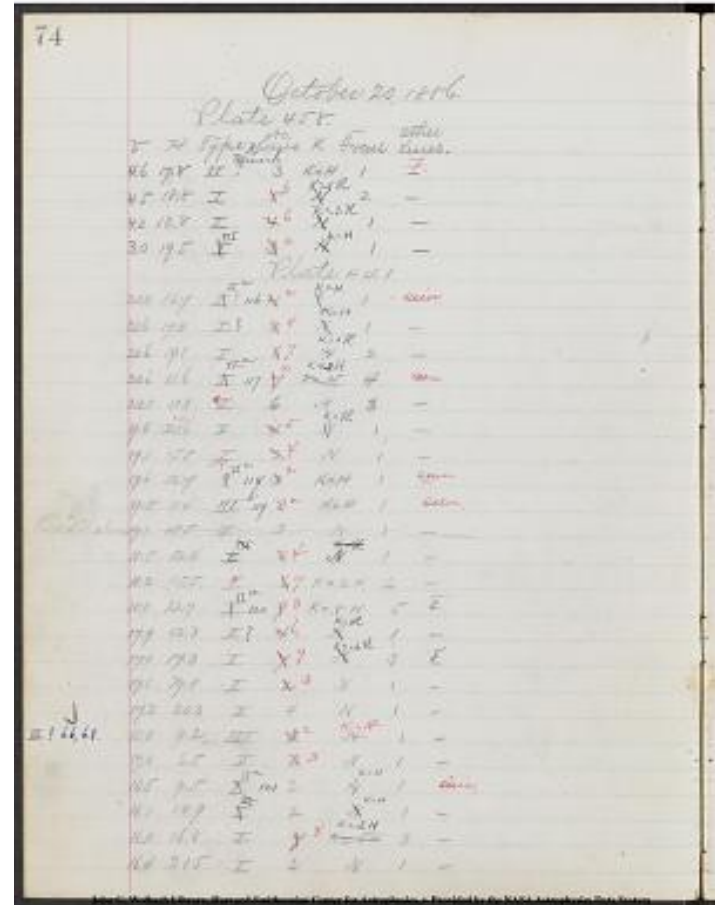
16.1|14.9|[[\strikethrough]] I |[[\strikethrough]] III|

|2|[[\strikethrough]] N |[[\strikethrough]] K=H|1|-|

16.0|16.8|II |[[\strikethrough]] 7 |[[\strikethrough]] 8|[[\strikethrough]]

K=.5H |[[\strikethrough]] K=.2H|3|-|

16.4|20.5|II |2|N|1|-|



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 12

[[9 columned table]]

| No. | R.A. | DEC. | MAG. | | Br

8 26 +65.5 | 643 | 8 | 26.3 [[symbol]] uparrow[[symbol]] | +65[[symbol]]
 uparrow[[symbol]] 31 | 5.8 | - | | 6.7 [[strike-through]] 1.0 7.7 6.0 [[strike-through]]
 [[symbol]] . [[symbol]] 5.5 [[symbol]] tick [[symbol]]

8 21 +65.6 | 638 | 8 | 21.6 [[symbol]] uparrow[[symbol]] | +65[[symbol]]
 uparrow[[symbol]] 38 | 5.8 | - | | 6.4 [[strike-through]] 1.0 7.7 5.7 [[strike-through]]
 [[symbol]] . [[symbol]] 5.2 [[symbol]] tick [[symbol]]

9 12 +75.7 | 377 | 9 | 12.6 | +75[[symbol]] uparrow[[symbol]] 44
 [[symbol]] uparrow[[symbol]] 31 | 6.2 | - | | 6.4 [[strike-through]] 1.5 7.9 6.2
 [[strike-through]] [[symbol]] . [[symbol]] 5.2 [[symbol]] tick [[symbol]]

8 1 +76.2 | 310 | 8 | 1.2 [[symbol]] uparrow[[symbol]] | +76[[symbol]]
 uparrow[[symbol]] 11 | 6.0 | - | | 6.5 [[strike-through]] 16 [[symbol]] {
 [[symbol]] 8.1 6.4 [[symbol]] [[symbol]] [[strike-through]] [[symbol]] .
 [[symbol]] 5.3 [[symbol]] tick [[symbol]]

8 1 +76.2 | 310 | 8 | 1.2 [[symbol]] uparrow[[symbol]] | +76[[symbol]]
 uparrow[[symbol]] 11 | 6.0 | - | | 6.5 [[strike-through]] 16 [[symbol]] {
 [[symbol]] 8.4 6.7 [[symbol]] [[symbol]] [[strike-through]] [[symbol]] .
 [[symbol]] 5.6 [[symbol]] tick [[symbol]]

|| | | | - | 69/4 7-6/4 | Mean 12

9 2 +62.0 | 1058 | 9 | 2.9 [[symbol]] uparrow[[symbol]] | +62[[symbol]]
 uparrow[[symbol]] 0 | 5.0 | - | | 6.6 [[strike-through]] .8 7.4 5.7 [[strike-through]]
 [[symbol]] . [[symbol]] 5.4 [[symbol]] tick [[symbol]]

9 1 +62.2 | 1054[[symbol]] [[symbol]] | 9 | 1.2 [[symbol]]
 uparrow[[symbol]] | +62[[symbol]] uparrow[[symbol]] 14 | 7.6 | - | | 7.1
 [[strike-through]] .8 7.9 6.2 [[strike-through]] [[symbol]] . [[symbol]] 5.9
 [[symbol]] tick [[symbol]]

9 1 +62.2 | 1055[[symbol]] [[symbol]] | 9 | 1.2 [[symbol]]
 uparrow[[symbol]] | +62[[symbol]] uparrow[[symbol]] 15 | 7.6 | - | | 7.1
 [[strike-through]] .8 7.9 6.2 [[strike-through]] [[symbol]] . [[symbol]] 5.9
 [[symbol]] tick [[symbol]]

8 58 +52.2 | 1365[[symbol]] [[symbol]] | 8 | 58.6 [[symbol]]
 uparrow[[symbol]] | +52[[symbol]] uparrow[[symbol]] 12 | 5.0 | - | | 6.0
 [[strike-through]] .5 6.5 4.8 [[strike-through]] [[symbol]] . [[symbol]] 4.8
 [[symbol]] tick [[symbol]]

9 23 +52.3 | 1401 | 9 | 23.1 [[symbol]] uparrow[[symbol]] | +52[[symbol]]
 uparrow[[symbol]] 21 | 3.0 | - | | 5.5 [[strike-through]] .5 6.0 4.3 [[strike-through]]
 [[symbol]] . [[symbol]] 4.3 [[symbol]] tick [[symbol]]

75

| No. | R.A. | DEC. | MAG. | Br |
|------|-------|------|------|------|
| 8 26 | +65.5 | 643 | 8 | 26.3 |
| 8 21 | +65.6 | 638 | 8 | 21.6 |
| 9 12 | +75.7 | 377 | 9 | 12.6 |
| 8 1 | +76.2 | 310 | 8 | 1.2 |
| 9 2 | +62.0 | 1058 | 9 | 2.9 |
| 9 1 | +62.2 | 1054 | 9 | 1.2 |
| 9 1 | +62.2 | 1055 | 9 | 1.2 |
| 8 58 | +52.2 | 1365 | 8 | 58.6 |
| 9 23 | +52.3 | 1401 | 9 | 23.1 |

9 25 +52.7 |1402| 9 | 24.9 \uparrow +52
 \uparrow 42 | 5.0 | 1715 4.6 18 ~~+0 +1 ...~~ | 5.9
~~.5 6.4~~ ~~4.6~~ ~~4.7~~ ... ~~[[symbol]]~~ . ~~[[symbol]]~~
4.7 ~~[[symbol]]~~ tick ~~[[symbol]]~~

8 41 +62.5 |1027| 8 | 41.4 \uparrow +62
 \uparrow 30 | 5.7 | - | 6.8 ~~8 7.6 5.9~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 5.6 ~~[[symbol]]~~ tick ~~[[symbol]]~~

9 10 +53.0 |1330| 9 | 10.3 \uparrow +53
 \uparrow 4 | 7.0 | . | 7.1 ~~6 7.7 6.0~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 5.9 ~~[[symbol]]~~ tick ~~[[symbol]]~~

9 21 +72.9 |462| 9 | 21.2 \uparrow +72
 \uparrow 50 | 6.0 | - | 6.6 ~~1.3 7.8 6.1~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 5.3 ~~[[symbol]]~~ tick ~~[[symbol]]~~

9 29 +72.9 |466| 9 | 29.5 \uparrow +72
 \uparrow 55 | 5.3 | - | 6.5 6.9 ~~[[symbol]]~~ } ~~[[symbol]]~~ ~~[[strike-through]]~~ 1.3 ~~[[symbol]]~~ } ~~[[symbol]]~~ 7.8 6.1 8.2 6.5 ~~[[symbol]]~~ } ~~[[symbol]]~~ ~~[[strike-through]]~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 5.3 5.7 ~~[[symbol]]~~ } ~~[[symbol]]~~ ~~[[symbol]]~~ tick ~~[[symbol]]~~

~~[[strike-through]]~~ |471| 9 | 25.7 | +73 23 | 7.0 | - | |

9 26 +73.4 |471| 9 | 25.7 \uparrow +73
 \uparrow 23 | 7.0 | - | 7.0 ~~1.4 8.4 6.7~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 5.8 ~~[[symbol]]~~ tick ~~[[symbol]]~~

9 1 +73.5 |452| 9 | 1.2 \uparrow +73
 \uparrow 32 | 6.0 | - | 6.3 ~~1.4 7.7 6.1~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 5.1 ~~[[symbol]]~~ tick ~~[[symbol]]~~

9 20 +63.7 |845| 9 | 20.1 \uparrow +63
 \uparrow 40 | 3.5 | - | 5.3 ~~9 6.2 4.5~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 5.1 ~~[[symbol]]~~ tick ~~[[symbol]]~~

9 24 +73.7 |470| 9 | 24.0 \uparrow +73
 \uparrow 44 | 6.5 | - | 6.7 ~~1.4 8.1 6.4~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 5.5 ~~[[symbol]]~~ tick ~~[[symbol]]~~

8 59 +64.1 |723| 8 | 58.9 \uparrow +64
 \uparrow 6 | 5.0 | - | 5.7 ~~9 6.6 4.9~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 4.5 ~~[[symbol]]~~ tick ~~[[symbol]]~~

8 30 +73.8 |430| 8 | 30.1 \uparrow +73
 \uparrow 48 | 7.0 | . | 7.1 ~~1.4 8.3 6.6~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 5.9 ~~[[symbol]]~~ tick ~~[[symbol]]~~

8 26 +73.7 |428| 8 | 27.0 \uparrow +73
 \uparrow 40 | 6.5 | . | 6.9 ~~1.4 8.3 6.6~~ ~~[[symbol]]~~ . ~~[[symbol]]~~ 5.7 ~~[[symbol]]~~ tick ~~[[symbol]]~~

9 45 +73.5 |478| 9 | 45.3 \uparrow +73

uparrow[[symbol]] 33 | 6.3 | - | | 6.8 7.1 [[symbol]][[symbol]] [[strike-through]] 1.4 [[symbol]][[symbol]] 8.2 6.5 8.5 6.8 [[symbol]][[symbol]]
[[strike-through]] [[symbol]] . [[symbol]] 5.6 5.9 [[symbol]][[symbol]]
[[symbol]] tick [[symbol]]

10 6 +73.8 |489| 10 | 5.7 [[symbol]] uparrow[[symbol]] | +73[[symbol]]
uparrow[[symbol]] 48 | 6.5 | - | | 6.9 [[strike-through]] 1.4 8.3 6.6 [[strike-through]]
[[symbol]] . [[symbol]] 5.7 [[symbol]] tick [[symbol]]

9 34 +64.3 |752| 9 | 34.7 [[symbol]] uparrow[[symbol]] | +64[[symbol]]
uparrow[[symbol]] 19 | 6.8 | - | | 7.0 [[strike-through]] .9 7.9 6.2 [[strike-through]]
[[symbol]] . [[symbol]] 5.8 [[symbol]] tick [[symbol]]

9 4 +74.6 |393| 9 | 4.8 [[symbol]] uparrow[[symbol]] | +74[[symbol]]
uparrow[[symbol]] 37 | 6.5 | - | | 6.9 7.3 [[symbol]][[symbol]] [[strike-through]] 1.4 [[symbol]][[symbol]] 8.3 6.6 8.7 7.0 [[symbol]][[symbol]]
[[strike-through]] [[symbol]] . [[symbol]] 5.7 6.1 [[symbol]][[symbol]]
[[symbol]] tick [[symbol]]

9 34 +64.3 |752| 9 | 34.7 [[symbol]] uparrow[[symbol]] | +64[[symbol]]
uparrow[[symbol]] 19 | 6.8 | - | | 7.0 [[strike-through]] .9 7.9 6.2 [[strike-through]]
[[symbol]] . [[symbol]] 5.8 [[symbol]] tick [[symbol]]

8 23 +74.1 |370| 8 | 23.5 [[symbol]] uparrow[[symbol]] | +74[[symbol]]
uparrow[[symbol]] 8 | 6.4 | 1575 6.3 | 20 [[strike-through]] -2 [[strike-through]]
[[strike-through]] +3 [[strike-through]] ... | 6.9 [[strike-through]]
1.4 8.3 [[strike-through]]6.5[[strike-through]] [[strike-through]]6.6[[strike-through]]
[[strike-through]] [[symbol]] . [[symbol]] 5.7 [[symbol]] tick
[[symbol]]

|| | | | | 107/6 5-10/6 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Plate 441

[9 columned table]]
 | V | H | Type | No. | Remarks | No. | Lines | K | Focus | Other Lines. |
 |---|---|---|---|---|---|---|---|---|---|
 | 15.5 | 6.2 | | | | | | | | |
 | 15.0 | 8.8 | | | | | | | | |
 | | | | | | | | | | |
 | 15.5 | 12.7 | | | | | | | | |
 | 15.5 | 20.3 | | | | | | | | |
 | 14.9 | 11.6 | | | | | | | | |
 | | | | | | | | | | |
 | 14.6 | 20.3 | | | | | | | | |
 | | | | | | | | | | |
 | 14.1 | 20.5 | | | | | | | | |
 | 14.2 | 14.6 | | | | | | | | |
 | 14.0 | 13.8 | | | | | | | | |
 | 14.0 | 10.0 | | | | | | | | |
 | | | | | | | | | | |
 | 12.6 | 12.8 | | | | | | | | |
 | | | | | | | | | | |
 | 12.6 | 8.9 | | | | | | | | |
 | 11.4 | 5.7 | | | | | | | | |
 | 10.0 | 15.1 | | | | | | | | |
 | | | | | | | | | | |
 | 10.4 | 17.5 | | | | | | | | |
 | | | | | | | | | | |
 | 10.4 | 21.3 | | | | | | | | |
 | 9.9 | 17.0 | | | | | | | | |
 | 9.0 | 13.0 | | | | | | | | |
 | | | | | | | | | | |
 | 8.9 | 18.5 | | | | | | | | |
 | 7.9 | 17.0 | | | | | | | | |
 | | | | | | | | | | |
 | 7.4 | 17.6 | | | | | | | | |
 | 7.5 | 21.5 | | | | | | | | |
 | 7.5 | 23.5 | | | | | | | | |
 | 5.9 | 7.5 | | | | | | | | |
 | 5.8 | 9.4 | | | | | | | | |
 | 6.0 | 12.1 | | | | | | | | |
 | 5.5 | 16.1 | | | | | | | | |
 | 5.5 | 18.9 | | | | | | | | |

[illegible]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean . 12

[[9 columned table]]
 | No. | R.A. | DEC. | MAG. | | Br. | | |
 |-----|-----|-----|-----| |-----| |-----| |-----|
 9 42 +54.7 | 1331 | 9 42.2[^] | +54[^] | 45 | 5.0 | [[6.4]]
 5.8 | [[6.4]] | ~~[[6.4]]~~ | 6.6
[[4.7]] | [[4.7]] | ~~[[4.7]]~~ | •
[[4.6]] | [[4.6]] | ~~[[4.6]]~~ |
 9 33 +55.0 | 1345 | 9 33.1[^] | +55[^] | 2 | 6.7 | 6.8 | ~~[[6.7]]~~ | 6.7 4
 5.7 | ~~[[5.7]]~~ | • 5.6 |
 9 21 +74.9 | 402 | 9 21.6[^] | +74[^] | 59 | 7.3 | 6.3 |
~~[[1.5]]~~ | 1.5 7.8 6.1 | ~~[[1.5]]~~ | • 5.1 |
 8 53 +54.8 | 1272 | 8 53.4[^] | +54[^] | 51 | 5.8 | 1644 5.6 14
~~[[3]]~~ | ~~[[3]]~~ | 3[^] | ... | ~~[[3]]~~ | 6.4 | ~~[[6.4]]~~ | 6.7 0
 5.3[^] | 5.4 | ... | ~~[[5.3]]~~ | • 5.2 |
 9 30 +75.3 | 389 | 9 30.1[^] | +75[^] | 15 | 6.8 | 6.9 |
~~[[1.5]]~~ | 1.5 8.4 6.7 | ~~[[1.5]]~~ | • 5.7 |
 8 44 +65.1 | 673 | 8 44.1[^] | +65[^] | 9 | 6.0 | 7.0[^] | 6.8 |
~~[[9]]~~ | 9[^] | 7.9[^] | 6.2[^] | 6.0 | ~~[[9]]~~ | • 5.8[^] | 5.6 |
 8 20 +75.2 | 342 | 8 19.8[^] | +75[^] | 13 | 6.4 | 6.5 | ~~[[6.4]]~~ | 1.5
 8.0 6.3 | ~~[[6.3]]~~ | • 5.3 |
 9 6 +75.5 | 370 | 9 6.6[^] | +75[^] | 31 | 7.3 | 7.0 | ~~[[7.3]]~~ | 1.5
 8.5 7.8 | ~~[[7.8]]~~ | • 5.8 |
 9 12 +75.7 | 377 | 9 12.6[^] | +75[^] | 44 | 6.2 | 6.0 |
~~[[1.5]]~~ | 1.5 7.5 5.8 | ~~[[1.5]]~~ | • 4.8 |
 9 33 +65.6 | 731 | 9 33.2[^] | +65[^] | 38 | 6.3 | 6.8 |
~~[[1.0]]~~ | 1.0 7.8 6.1 | ~~[[1.0]]~~ | • 5.6 |
 9 19 +56.4 | 1388 | 9 19.4[^] | +56[^] | 22 | 6.6 | 7.0 |
~~[[6.7]]~~ | 6.7 6.5 5.9 | ~~[[6.7]]~~ | • 5.8 |
 9 39 +66.3 | 637 | 9 39.0[^] | +66[^] | 16 | 6.7 | 6.6 |
~~[[1.0]]~~ | 1.0 7.6 5.9 | ~~[[1.0]]~~ | • 5.4 |
 10 22 +76.5 | 393 | 10 22.6[^] | +76[^] | 28 | 5.0 | 5.0 | [[5.0]]
 6.4[^] | 6.0 | [[6.4]] | ~~[[6.4]]~~ | 1.6 | 8.0[^] | 7.6 | [[7.6]]
 6.3[^] | 5.9 | [[6.3]] | ~~[[6.3]]~~ | 5.2[^] | 4.8 |
[[5.2]] |
 9 0 +77.6 | 359 | 8 59.8[^] | +77[^] | 40 | 6.8 | 6.4 | ~~[[6.8]]~~ | 1.7
 8.1 6.4 | ~~[[6.4]]~~ | • 5.2 |
 8 55 +67.4 | 573 | 8 55.7[^] | +67[^] | 27 | 5.2 | 7.0[^] | 6.5 | ~~[[5.2]]~~
 1.0 | 8.0[^] | 7.5 | 6.3[^] | 5.8 | ~~[[6.3]]~~ | • 5.8[^] | 5.3 |
 8 35 +67.2 | 560 | 8 35.6[^] | +67[^] | 13 | 6.0 | 1601 6.0 14
~~[[3]]~~ | ~~[[3]]~~ | 3[^] | ... | ~~[[3]]~~ | 6.4 | ~~[[6.4]]~~ | 1.0 7.4
 5.7[^] | 5.8 | ~~[[5.7]]~~ | • 5.2 |
 8 57 +67.7 | 577 | 8 57.6[^] | +67[^] | 44 | 5.3 | 5.8 |
~~[[1.1]]~~ | 1.1 6.9 5.2 | ~~[[1.1]]~~ | • 4.6 |
 9 19 +68.2 | 572 | 9 18.8[^] | +68[^] | 9 | 6.8 | 7.0 |
~~[[1.1]]~~ | 1.1 8.1 6.4 | ~~[[1.1]]~~ | • 5.8 |
 8 49 +68.2 | 551 | 8 49.4[^] | +68[^] | 11 | 5.1 | 6.9[^] | 6.4 |
~~[[1.1]]~~ | 1.1 8.0[^] | 7.5 | 6.3[^] | 5.8 | ~~[[6.3]]~~ | • 5.7[^] | 5.2 |
 8 39 +78.7 | 297 | 8 39.4[^] | +78[^] | 42 | 6.9 | 6.8 | ~~[[6.9]]~~ | 1.8
 8.6 6.9 | ~~[[6.9]]~~ | • 5.6 |
 8 31 +78.7 | 293 | 8 31.4[^] | +78[^] | 42 | 6.5 | 7.0 |
~~[[1.8]]~~ | 1.8 8.8 7.1 | ~~[[1.8]]~~ | • 5.8 |
 8 46 +58.8 | 1159 | 8 46.2[^] | +58[^] | 46 | 7.0 | 6.9 |
~~[[7.7]]~~ | 7.7 6.5 5.9 | ~~[[7.7]]~~ | • 5.7 |
 7 36 +77.9 | 303 | 7 37.0[^] | +77[^] | 56 | 7.0 | 7.0 | [[7.0]]
 6.6 | [[6.6]] | ~~[[6.6]]~~ | 1.7 8.3
[[6.6]] | [[6.6]] | ~~[[6.6]]~~ | •

The image shows a handwritten astronomical data table on aged paper. The table is organized into rows, with some rows having a red 'X' drawn through them. The title 'Mean . 12' is written in blue ink at the top right. The table contains numerical data, likely representing astronomical coordinates and magnitudes, with some entries crossed out. The handwriting is in cursive, and the paper shows signs of age and wear.

$\underline{5.4}$ |
 | 9 40 +59.7 | 1268 | 9 40.7[^] | +59[^] 42 | 4.0 | -- | 5.6 |
~~7 6.3 4.6~~ • 4.4 |
 | 10 0 +79.6 | 328 | 10 0.8[^] | +79[^] 39 | 6.7 | . | 6.8 |
~~1.9 8.7 7.0~~ • 5.6 |
 | 9 30 +79.8 | 319 | 9 29.8[^] | +79[^] 48 | 6.0 | - | 6.2 |
~~1.9 8.1 6.4~~ • 5.0 |
 | 8 45 +79.9 | 294 | 8 45.4[^] | +79[^] 55 | 7.0 | . | 6.9 |
~~1.9 8.8 7.1~~ • 5.7 |
 | 8 55 +59.9 | 1217 | 8 55.4[^] | +59[^] 55 | 6.2 | 1650 6.1 15
~~-2[^] [-1]~~ ... | 6:9 | 7 7.6
 5.9[^] [6.0] • 5.7 |

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

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

1.6|13.4|~~?~~~~?~~||b|129|~~2~~~~/~~
kethrough]]1|N|1|seen.]]

Project PhAEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 12.

[[8 columned tables]]

|No.|R.A.|Dec.|Mag.| |Br.|Mean 12.|

8 42+59.6|1198|8 41.6|+59 36|6.5|~~-6.9~~ 7 7.65.9|~~5.7~~9 22+70.4|565|9 21.6|+70 29|5.2|~~-5.9 6.1~~ 1.2}7.1 7.35.4 5.6|~~4.7 4.9~~8 34+80.5|272|8|34.0|+80 34|7.3|~~6.8~~ 2.0 8.87.1|~~5.6~~7 42+79.9|265|7 41.9|+ 79 52|5.8|1477 5.3 22 |~~5.9~~+5|~~5.9~~...|~~5.9~~+6|5.6 |~~1.9 7.5~~|~~5.8~~|~~5.9~~|~~4.4~~8 50+81.4|282|8 49.2|+ 81 24|6.7|~~-~~ |6.5|~~2.1 8.6 6.9~~|6.5 |10 28+81.2|349|10 28.9|+81 11|6.2|~~-~~|6.7|~~2.0 8.7 7.0~~|6.9 |9 16+81.9|302|9 16.0|+81 58|4.3|-103/6 9-8/6|~~6.0 6.4~~|~~2.1~~|~~8.1 8.5 6.4 6.8~~

Handwritten astronomical observations on a page numbered 79. The page contains several tables of data, some of which are crossed out with red ink. The data includes Right Ascension (R.A.), Declination (Dec.), Magnitude (Mag.), and other measurements. The handwriting is in blue ink on aged paper.

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

H|1|-|
|8.0|19.4|~~I~~|~~I~~|a|137|2|~~N~~|
~~K~~=H|1|seen.|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

~~6.1~~~~6.2~~
~~819+82.8~~~~253~~~~8~~ ~~19.7~~~~+82~~ ~~44~~~~7.0~~~~-~~~~6.0~~~~2.2~~ ~~8.2~~
~~6.6~~~~6.7~~
~~926+73.4~~~~471~~~~9~~ ~~25.6~~~~+73~~ ~~23~~~~7.0~~~~.~~~~6.6~~~~1.4~~ ~~8.0~~
~~6.4~~~~6.5~~
~~945+73.5~~~~478~~~~9~~ ~~45.3~~~~+73~~ ~~33~~~~6.3~~~~-~~~~6.5~~ ~~6.9~~~~1.4~~ ~~7.9~~ ~~8.3~~
~~6.7~~~~6.8~~~~6.2~~~~6.4~~
~~1013+83.3~~~~297~~~~9~~~~10~~ ~~13.0~~~~+83~~ ~~18~~~~5.2~~~~-~~
~~5.2~~~~2.3~~ ~~7.5~~~~5.9~~~~6.0~~
~~106+73.8~~~~489~~~~10~~ ~~5.7~~~~+73~~ ~~48~~~~6.5~~~~-~~~~6.5~~~~1.4~~ ~~7.9~~
~~6.3~~~~6.4~~
~~936+63.9~~~~924+73.7~~~~861~~~~470~~~~9~~ ~~36.5~~~~9~~
~~24.0~~~~63~~ ~~55~~~~+73~~
~~44~~~~7.0~~~~6.5~~~~6.5~~~~9~~ ~~7.4~~
~~5.8~~~~5.9~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

October 21, 1886.

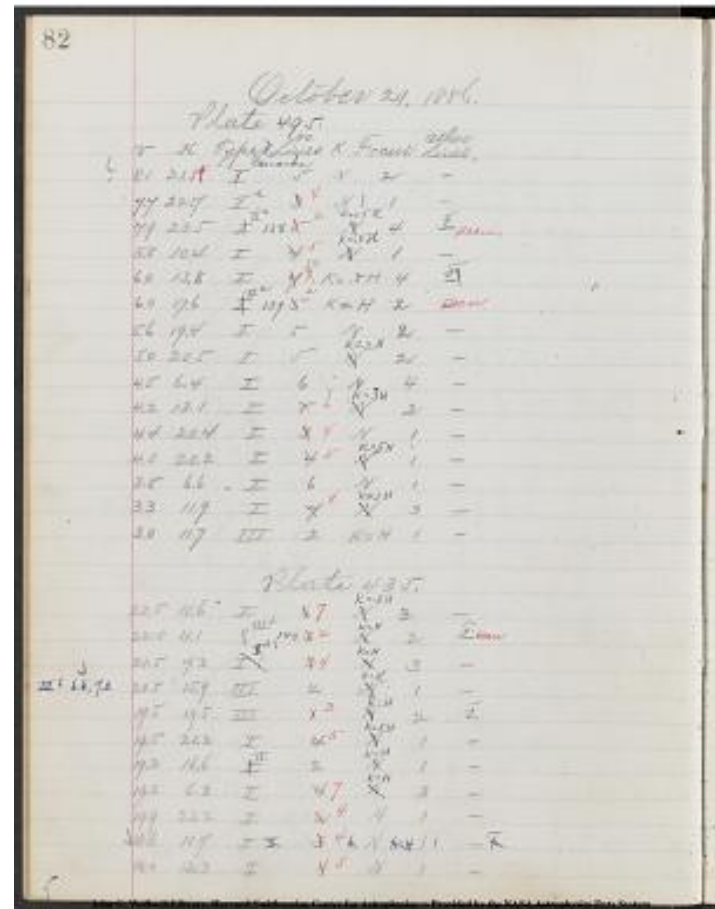
Plate 495.

[[8 columned table]]

| v | H | Type | No. | Remark | No. | Lines | K | Focus | Other | Lines |
|-----|------|------|-----|--------|--------|-------|---|--------|-------|-------|
| 8.1 | 21.5 | I | 5 | N | 2 | - | | | | |
| 7.7 | 11.7 | Id | 4 | N? | 1 | - | | | | |
| 7.9 | 23.5 | II a | 138 | 2 | K=1.5H | 4 | - | F seen | | |
| 5.8 | 10.4 | I | 5 | K=.5H | 1 | - | | | | |
| 6.0 | 13.8 | I | 10 | K=.8H | 4 | - | | F | | |
| 6.0 | 17.6 | II a | 139 | 2 | K=H | 2 | - | seen | | |
| 5.6 | 19.4 | I | 5 | N | 2 | - | | | | |
| 5.0 | 20.5 | I | 5 | K=.2H | 2 | - | | | | |
| 4.5 | 6.4 | I | 6 | N | 4 | - | | | | |
| 4.2 | 13.1 | I | 6 | K=.3H | 2 | - | | | | |
| 4.4 | 20.4 | I | 4 | N | 1 | - | | | | |
| 4.0 | 20.2 | I | 5 | K=.5H | 1 | - | | | | |
| 3.5 | 6.6 | I | 6 | N | 1 | - | | | | |
| 3.3 | 11.9 | I | 8 | K=.1H | 3 | - | | | | |
| 3.0 | 11.7 | III | 2 | K=H | 1 | - | | | | |

Plate 435

| | | | | | | | | | | |
|------|------|-------|-----|-------|-----|---|---|-----------------------------|--|--|
| 22.5 | 10.6 | I | 7 | K=.2H | 3 | - | | | | |
| 22.0 | 11.1 | III b | 140 | 2 | K=H | 2 | - | F seen | | |
| 21.5 | 7.3 | Id? | 4 | K=H | 3 | - | | | | |
| 20.5 | 15.9 | III | 2 | K=H | 1 | - | | - right margin III? 6.6 7.0 | | |
| 19.5 | 19.5 | III | 3 | K=H | 2 | - | | F | | |
| 19.5 | 20.2 | I | 5 | K=.5H | 1 | - | | | | |
| 19.2 | 16.6 | II | 2 | K=H | 1 | - | | | | |
| 19.2 | 6.3 | I | 7 | K=H | 3 | - | | | | |
| 19.9 | 22.2 | I | 4 | N | 1 | - | | | | |
| 18.6 | 12.3 | I | 5 | N | 1 | - | | -[crossout] F [crossout] | | |
| 18.0 | 12.3 | I | 5 | N | 1 | - | | | | |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

[[8 columned table]]
 |No.|R.A.|DEC.|MAG.| |Br.| |
 |---|---|---|---|---|---|
 7 56 +82.9|235|7 56.0^{[[]]}+82^{[[]]} 52|6.5|R|5.9|2.3 8.4
~~[[strickethrough]]6.8[[/strickethrough]]6.9 .|~~
 9 1 +73.5|452|9 1.2^{[[]]}+73^{[[]]} 32|6.0| |6.0|1.4 7.4
~~[[strickethrough]]5.8[[/strickethrough]]5.9 .|~~
 9 2.0 +63.7|845|9 20.1^{[[]]}+63^{[[]]}
 40|3.5|[[5.3]]9 6.2
~~[[strickethrough]]4.6[[/strickethrough]]4.7[[/strickethrough]] .|~~
 10 20 +64.9|789|10 20.4^{[[]]}+64^{[[]]} 59|6.2|[[6.5]]9 7.4
~~[[strickethrough]]5.8[[/strickethrough]]5.9 .|~~
 10 8 +84.9|234|10 7.8^{[[]]}+84^{[[]]} 59|5.0|[[5.4]]2.6 8.0
~~[[strickethrough]]6.4[[/strickethrough]]6.5 .|~~
 8 43 +84.7|196|8 44.3^{[[]]}+84^{[[]]} 45|6.0|[[5.7]]2.6 8.3
~~[[strickethrough]]6.7[[/strickethrough]]6.8 .|~~
 9 21 +74.9|402|9 21.6^{[[]]}+74^{[[]]} 59|7.3|[[6.1]]1.5 7.6
~~[[strickethrough]]6.0[[/strickethrough]]6.1 .|~~
 7 41 +84.4|169|7 41.6^{[[]]}+84^{[[]]} 28|6.0|[[5.8]]2.5 8.3
~~[[strickethrough]]6.7[[/strickethrough]]6.8 .|~~
 12 47 +84.2|290^{[[]]}289|12^{[[]]}48.1^{[[]]}48.0^{[[]]}+84^{[[]]}+84^{[[]]}
 12^{[[]]}5.5^{[[]]}6.5|2189 .|[[5.1]]2.5 7.6
~~[[strickethrough]]6.0[[/strickethrough]]6.1[[/strickethrough]] .|~~
 10 7 +65.8|767|10 7.5^{[[]]}+65^{[[]]} 49|5.8|1807 5.7 14 ~~[[strickethrough]]-2[[/strickethrough]]-1~~6.1|1.0 7.1 ~~[[strickethrough]]5.5[[/strickethrough]]5.6 .|~~
 7 33 +84.8|168|7 33.6^{[[]]}+84^{[[]]} 47|7.8|[[6.5]]2.6 9.1
~~[[strickethrough]]2.5[[/strickethrough]]7.6 .|~~
 9 12 +75.7|377|9 12.6^{[[]]}+75^{[[]]} 44|6.2|[[6.1]]1.5 7.6
~~[[strickethrough]]6.0[[/strickethrough]]6.1 .|~~
 10 39 +65.9|803|10 39.1^{[[]]}+65^{[[]]} 54|6.5|1890 6.3 13
~~[[strickethrough]]-3[[/strickethrough]]-2[[/strickethrough]]6.6[[/strickethrough]]1.0~~
 7.6 ~~[[strickethrough]]6.0[[/strickethrough]]6.1[[/strickethrough]] .|~~
 10 13 +66.3|664|10 13.6^{[[]]}+66^{[[]]} 18|5.0|[[5.5]]1.0 6.5
~~[[strickethrough]]4.9[[/strickethrough]]5.0 .|~~
 10 22 +76.5|393|10 22.6^{[[]]}+76^{[[]]}
 28|5.0|[[6.4]]1.6 8.0^{[[]]}7.6|
~~[[strickethrough]]6.4[[/strickethrough]]6.5 .|~~
 6.5^{[[]]}6.1^{[[]]}
 10 13 +66.3|664|10 13.6^{[[]]}+66^{[[]]} 18|5.0|[[5.8]]1.0 6.8
~~[[strickethrough]]5.2[[/strickethrough]] .|~~
 10 22 +76.5|393|10 22.6^{[[]]}+76^{[[]]}
 28|5.0|[[6.2]]1.6 7.8^{[[]]}7.5|
~~[[strickethrough]]6.2[[/strickethrough]]6.3 .|~~
 10 21 +56.7|1459|10 21.4^{[[]]}+56^{[[]]}
 43|4.7|[[6.0]]7 6.7
~~[[strickethrough]]5.1[[/strickethrough]] .|~~
 9 50 +57.5|1242|9 49.9~~[[strickethrough]]8[[/strickethrough]]+57~~
 30|5.0|[[7.0]]6.7|7.7^{[[]]}7.3|6.1^{[[]]}5.7|
 9 36 +57.7|1231|9 36.2^{[[]]}+57^{[[]]} 47|5.0|[[7.1]]6.8|7.7 7.8^{[[]]}7.5|
 6.2^{[[]]}5.9|
 8 59 +77.6|359|8 59.8^{[[]]}+77^{[[]]} 40|6.8|[[6.3]]1.7 8.0 6.4 .|
 9 47 +58.1|1224|9 47.1^{[[]]}+58^{[[]]} 6|6.2|[[6.6]]7.7 7.3 5.7 .|
 10 25 +57.8|1277|10 25.8^{[[]]}+57^{[[]]}
 50|5.0|[[6.1]]7 6.8
~~[[strickethrough]]5.2[[/strickethrough]] .|~~
 9 26 +57.6|1224|9 26.3^{[[]]}+57^{[[]]} 37|6.8|[[6.9]]7 7.6 6.0 .|
 10 30~~[[strickethrough]]15[[/strickethrough]]+78.2~~
~~[[strickethrough]]68.4[[/strickethrough]]359[[/strickethrough]]605[[/strickethrough]]~~
 gh|10 30.4~~[[strickethrough]]10 15.6 34.5[[/strickethrough]]+78 11~~

83

| No. | R.A. | Dec. | MAG. | Br. |
|---------|-------|------|---------|--------------------------------|
| 7 56 | +82.9 | 235 | 7 56.0 | 52 6.5 R 5.9 2.3 8.4 |
| 9 1 | +73.5 | 452 | 9 1.2 | 32 6.0 6.0 1.4 7.4 |
| 9 2.0 | +63.7 | 845 | 9 20.1 | 59 6.2 <u>[[6.5]]</u> 9 7.4 |
| 40 | 3.5 | | | <u>[[5.3]]</u> 9 6.2 |
| 10 20 | +64.9 | 789 | 10 20.4 | 59 6.2 <u>[[6.5]]</u> 9 7.4 |
| 10 8 | +84.9 | 234 | 10 7.8 | 59 5.0 <u>[[5.4]]</u> 2.6 8.0 |
| 8 43 | +84.7 | 196 | 8 44.3 | 45 6.0 <u>[[5.7]]</u> 2.6 8.3 |
| 9 21 | +74.9 | 402 | 9 21.6 | 59 7.3 <u>[[6.1]]</u> 1.5 7.6 |
| 7 41 | +84.4 | 169 | 7 41.6 | 28 6.0 <u>[[5.8]]</u> 2.5 8.3 |
| 12 47 | +84.2 | 290 | 12 48.1 | 48.0 |
| 12 48 | +84.2 | 290 | 12 48.1 | 48.0 |
| 10 7 | +65.8 | 767 | 10 7.5 | 49 5.8 1807 5.7 14 |
| 7 33 | +84.8 | 168 | 7 33.6 | 47 7.8 <u>[[6.5]]</u> 2.6 9.1 |
| 9 12 | +75.7 | 377 | 9 12.6 | 44 6.2 <u>[[6.1]]</u> 1.5 7.6 |
| 10 39 | +65.9 | 803 | 10 39.1 | 54 6.5 1890 6.3 13 |
| 10 13 | +66.3 | 664 | 10 13.6 | 18 5.0 <u>[[5.5]]</u> 1.0 6.5 |
| 10 22 | +76.5 | 393 | 10 22.6 | 54 6.2 <u>[[6.1]]</u> 1.5 7.6 |
| 28 50 | | | | 18 5.0 <u>[[6.4]]</u> 1.6 8.0 |
| 10 13 | +66.3 | 664 | 10 13.6 | 18 5.0 <u>[[5.8]]</u> 1.0 6.8 |
| 10 22 | +76.5 | 393 | 10 22.6 | 54 6.2 <u>[[6.1]]</u> 1.5 7.6 |
| 28 50 | | | | 18 5.0 <u>[[6.4]]</u> 1.6 8.0 |
| 10 21 | +56.7 | 1459 | 10 21.4 | 54 6.2 <u>[[6.1]]</u> 1.5 7.6 |
| 43 47 | | | | 6.0 |
| 9 50 | +57.5 | 1242 | 9 49.9 | 57 |
| 30 50 | | | | 7.0 |
| 9 36 | +57.7 | 1231 | 9 36.2 | 47 5.0 <u>[[7.1]]</u> 6.8 |
| 8 59 | +77.6 | 359 | 8 59.8 | 40 6.8 <u>[[6.3]]</u> 1.7 8.0 |
| 9 47 | +58.1 | 1224 | 9 47.1 | 6 6.2 <u>[[6.6]]</u> 7.7 7.3 |
| 10 25 | +57.8 | 1277 | 10 25.8 | 57 |
| 50 50 | | | | 6.1 |
| 9 26 | +57.6 | 1224 | 9 26.3 | 37 6.8 <u>[[6.9]]</u> 7 7.6 |
| 10 30 | | | | 15 |
| 10 30.4 | | | | 10 15.6 34.5 |

~~[[strikethrough]]~~+68
24~~[[/strikethrough]]~~7.0~~[[strikethrough]]~~7.2~~[[/strikethrough]]~~
~~[[strikethrough]]~~.~~[[/strikethrough]]~~6.4 6.6|1.1 7.5 5.9 .|
|10.3 +58.6|1244|10 3.6^~~[[]]~~+58^~~[[]]~~ 42|7.0|.|6.7|.7 7.4 5.8 .|

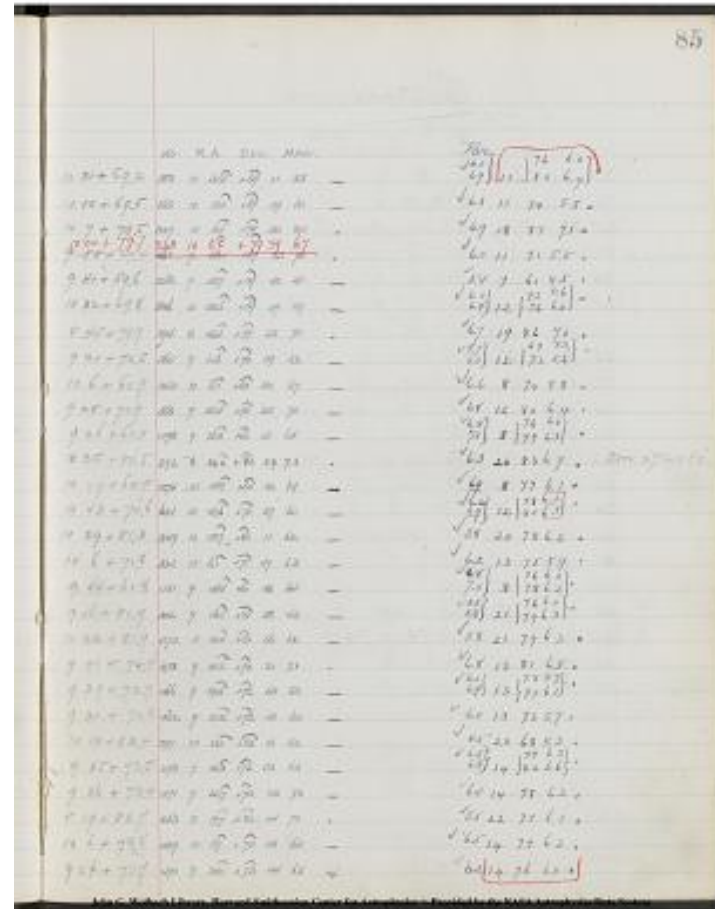
Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

[left margin]
 II? 6.2, 6.5
 [left margin]
 [8 columned table]
 v|H|Type|No. Remark|No. Lines|K|Focus|Other Lines.
 |---|---|---|---|---|---|---|---|
 16.5 | 7.9 | III | | [[\strickthrough]]1[[\strickthrough]]2 |
 [[\strickthrough]]N[[\strickthrough]]K=H | 1 |-|
 16.5 | 11.8 | I | | [[\strickthrough]]6[[\strickthrough]]7 | K=.5H | 2 |-|
 16.5 | 13.3 | I | | 2 | N | 1 |-|
 16.0 | 13.8 | I | | | [[\strickthrough]]4[[\strickthrough]]5 | N | 2 |-|
 16.0 | 18.2 | [[\strickthrough]]I[[\strickthrough]]IIa | 141 |
 [[\strickthrough]]8[[\strickthrough]]2 | K=.8H | 5 |
 [[\u]]F[[\u]] seen?
 15.4 | 7.9 | III | | [[\strickthrough]]0[[\strickthrough]]2 | N | 1 |
 [[\u]]F[[\u]]
 14.7 | 20.3 | I | | [[\strickthrough]]3[[\strickthrough]]4 | N | 1 |
 [[\u]]F[[\u]]
 14.2 | 19.9 | III | | [[\strickthrough]]3[[\strickthrough]]2 | K=H | 3 |-|
 13.7 | 11.8 | [[\strickthrough]]I[[\strickthrough]]IIa | 142 |
 [[\strickthrough]]4[[\strickthrough]]2 | K=H | 1 |
 [[\u]]seen[[\u]]
 13.5 | 19.2 | I? | | [[\strickthrough]]2[[\strickthrough]]4 |
 [[\strickthrough]]N[[\strickthrough]]K=H | 1 |-|
 13.5 | 21.4 | [[\strickthrough]]I[[\strickthrough]]III | 2 |
 [[\strickthrough]]N[[\strickthrough]]K=H | 1 |-|
 13.2 | 20.9 | I | | [[\strickthrough]]3[[\strickthrough]]4 | N | 1 |-|
 13.1 | 6.3 | [[\strickthrough]]?[[\strickthrough]]III | |
 [[\strickthrough]]1[[\strickthrough]]2 |
 [[\strickthrough]]N[[\strickthrough]]K=H | 1 |-|
 13.4 | 6.4 | III | | [[\strickthrough]]1[[\strickthrough]]2 | N K=H N | 1 |-|
 13.0|11.7|I| | [[\strickthrough]] 5 [[\strickthrough]] 6[[\strickthrough]] N
 [[\strickthrough]] K=.2H|2|-|
 12.0|12.4|I| | [[\strickthrough]] 4 [[\strickthrough]] 6[[\strickthrough]] N
 [[\strickthrough]] K=.5H|2|-|
 12.0|17.0|I?|[[\strickthrough]]III^a 143|2|N[[\strickthrough]]K=H|1|seen|
 11.5|17.0|III|lc. 144|2|K=H|2|F? seen|
 10.5|8.4|I|4|[[\strickthrough]]6|N[[\strickthrough]]K=H|2|-|
 10.8|16.4|I|3|[[\strickthrough]]4|N|1|-|
 9.5|18.1|III|lc 145|1|[[\strickthrough]]2|N[[\strickthrough]]K=H|2|bright
 seen|
 9.5|19.3|II^a 146|3|[[\strickthrough]]2|K=H|4|F|
 9.0|13.3|I|7|[[\strickthrough]]8|K=H|4|F|
 8.5|15.7|III|147|2|[[\strickthrough]]4|[[\strickthrough]]2|K=H
 ?|[[\strickthrough]]1|-|
 8.5|18.5|I|3|[[\strickthrough]]4|N[[\strickthrough]]K=.5H|1|-|
 8.9|20.2|I|5|[[\strickthrough]]6|N|2|-|
 8.0|12.9|I|[[\strickthrough]]II^a
 148|4|[[\strickthrough]]2|N[[\strickthrough]]K=H|1|seen|
 7.9|18.7|I|[[\strickthrough]]II^a
 149|4|[[\strickthrough]]2|N[[\strickthrough]]K=H|1|seen|

[illegible]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

No|R.A.|Dec.|Mag.| |Br.
 10 31 |+69.2|583|10 31.5[^][[^]]+69[^][[^]] 11 5.5|_ |[[symbol -
 checkmark]]6.9[^][[6.5]] 1.1} 8.0[^][[7.6]] 6.4[^][[6.0]]} .
 10 10 |+69.5|568|10 10.0[^][[^]]+69[^][[^]] 29|6.0|_ |[[symbol -
 checkmark]]6.3 1.1 7.4 5.8 .
 10 7 |+79.5|329|10 6.4[^][[^]]+79[^][[^]] 30|8.0|_ |[[symbol -
 checkmark]]6.9 1.8 8.7 7.1 .
 [[strickethrough]]9 58 +69.4[[/strickethrough]][^][[10 00
 |+79.7]]|[[strickethrough]]561|9 58.1|+69 23|7.0[[/strickethrough]][^][[328|10
 0.8[^][[^]]+79[^][[^]] 39|6.7]]|[[/strickethrough]]|_ |[[symbol - checkmark]]6.0
 1.1 7.1 5.5 .
 9 41 |+59.6|1268|9 40.7[^][[^]]+59[^][[^]] 42|4.0|_ |[[symbol -
 checkmark]]5.4 .7 6.1 4.5 .
 10 32 |+69.8|586|10 32.6[^][[^]]+69[^][[^]] 49|4.7|_ |[[symbol -
 checkmark]]6.4[^][[6.0]] 1.2} 7.6[^][[7.2]] 6.0[^][[5.6]]} .
 8 45 |+79.9|294|8 45.4[^][[^]]+79[^][[^]] 55|7.0|_ |[[symbol -
 checkmark]]6.7 1.9 8.6 7.0 .
 9 21 |+70.5|565|9 21.6[^][[^]]+70[^][[^]] 29|5.2|_ |[[symbol -
 checkmark]]6.0[^][[5.7]] 1.2} 7.2[^][[6.9]] 5.6[^][[5.3]]} .
 10 6 |+60.9|1250|10 6.0[^][[^]]+60[^][[^]] 52|6.7|_ |[[symbol -
 checkmark]]6.6 .8 7.4 5.8 .
 9 25 |+70.9|568|9 25.4[^][[^]]+70[^][[^]] 55|7.0|_ |[[symbol -
 checkmark]]6.8 1.2 8.0 6.4 .
 9 26 |+60.9|1198|9 26.8[^][[^]]+60[^][[^]] 57|6.5|_ |[[symbol -
 checkmark]]7.1[^][[6.8]] .8} 7.9[^][[7.6]] 6.3[^][[6.0]]} .
 8 35 |+80.5|272|8 34.0[^][[^]]+80[^][[^]] 34|7.3|_ |[[symbol -
 checkmark]]6.3 2.0 8.3 6.7 . DM 272+80
 10 29 |+60.9|1274|10 28.9[^][[^]]+60[^][[^]] 52|6.7|_ |[[symbol -
 checkmark]]6.9 .8 7.7 6.1 .
 10 43 |+70.6|634|10 43.6[^][[^]]+70[^][[^]] 37|6.0|_ |[[symbol -
 checkmark]]6.9[[/underline]][^][[6.6[[/underline]]]]6.6[[/underline]]} .
 1.2} 8.1[[7.8]]
6.5[[/underline]][^][[6.2[[/underline]]]]} .
 10 29 |+81.3|349|10 28.9[^][[^]]+81[^][[^]] 11|6.2|_ |[[symbol -
 checkmark]]5.8 2.0 7.8 6.2 .
 10 6 |+71.8|534|10 6.1[^][[^]]+71[^][[^]] 47|6.3|_ |[[symbol -
 checkmark]]6.2 1.3 7.5 5.9 .
 9 44 |+61.8|1151|9 44.4[^][[^]]+61[^][[^]] 48|6.4|_ |[[symbol - checkmark]]
 7.0[^][[6.8]] .8} 7.8[^][[7.6]] 6.2[^][[6.0]]} .
 9 16 |+81.9|302|9 16.0[^][[^]]+81[^][[^]] 58|4.3|_ |[[symbol -
 checkmark]]5.8[^][[5.5]] 2.1} 7.9[^][[7.6]] 6.3[^][[6.0]]} .
 11 22 |+81.9|373|11 21.4[^][[^]]+81[^][[^]] 56|6.2|_ |[[symbol -
 checkmark]]5.8 2.1 7.9 6.3 .
 9 41 |+72.4|473|9 41.2[^][[^]]+72[^][[^]] 21|7.1|_ |[[symbol -
 checkmark]]6.8 1.3 8.1 6.5 .
 9 29 |+72.9|466|9 29.5[^][[^]]+72[^][[^]] 55|5.3|_ |[[symbol -
 checkmark]]6.4[^][[6.0]] 1.3} 7.7[^][[7.3]] 6.1[^][[5.7]]} .
 9 21 |+72.8|462|9 21.2[^][[^]]+72[^][[^]] 50|6.0|_ |[[symbol -
 checkmark]]6.0 1.3 7.3 5.7 .
 10 13 |+83.4|297|10 13.0[^][[^]]+83[^][[^]] 18|5.2|_ |[[symbol -
 checkmark]]4.5 2.3 6.8 5.2 .
 9 45 |+73.5|478|9 45.3[^][[^]]+73[^][[^]] 33|6.3|_ |[[symbol -
 checkmark]]6.8[^][[6.5]] 1.4} 8.2[^][[7.9]] 6.6[^][[6.3]]} .
 9 26 |+73.4|471|9 25.7[^][[^]]+73[^][[^]] 23|7.0|_ |[[symbol -
 checkmark]]6.4 1.4 7.8 6.2 .
 8 19 |+82.7|253|8 19.7[^][[^]]+82[^][[^]] 44|7.0|_ |[[symbol -
 checkmark]]5.5 2.2 7.7 6.1 .
 10 6|+73.8|489|10 5.7[^][[^]]+73[^][[^]] 48|6.5|_ |[[symbol -
 checkmark]]6.5 1.4 7.9 6.3 .

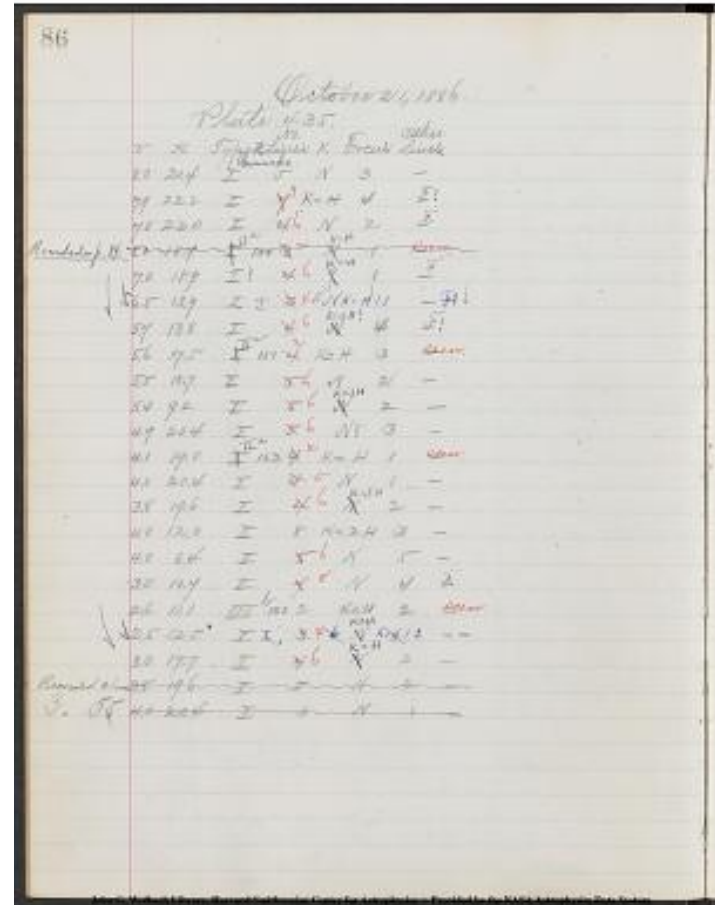


9 24 | +73.7|470|9 24.0[^]| +73[^]| 44|6.5|_ |[[symbol -
checkmark]]6.2 1.4 7.6 6.0 .

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Plate 435.

[[8 column table]]
|v|H|Type|No. Remark|No. Lines|K|Focus|Other Lines|
|---|---|---|---|---|---|---|---|
8.0|21.4|||5|N|3|-|
7.9|22.2|||[[crossout]]7|[[/end crossout]]9|K=H|4|F?|
7.8|22.0|||[[Strikethrough]]4|[[/Strikethrough]]6|N|2|[[UNDERSCORE]]F. [[UNDERSCORE]]?|
Recorded on p. 84
[[Strikethrough]]8.0|18.7|[[Strikethrough]]|[[/Strikethrough]]|1a 150|[[Strike through]]3|[[/Strikethrough]]2|[[Strikethrough]]N|[[/Strikethrough]]K=H|1|[[u nderscore]]seen. [[underscore]]|[[/Strikethrough]]
|7.0|18.9||?|[[Strikethrough]]4|[[/Strikethrough]]6|[[Strikethrough]]?|[[/Strike through]]K=H|1|[[underscore]]F|[[underscore]]
det|a|6.5|13.9|||[[Strikethrough]]3|[[/Strikethrough]]45|^|[]NK=H|1|1|-|
[[strikethrough]]F?|[[/strikethrough]]
|5.7|13.8|||[[Strikethrough]]4|[[/Strikethrough]]6|[[Strikethrough]]N|[[/Striket rough]]K= 2H?|4|[[underscore]]F|[[underscore]]?|
|5.6|17.5|[[Strikethrough]]|[[/Strikethrough]]|1a 151|[[Strikethrough]]4|[[/Stri kethrough]]2|K=H|3|[[underscore]]|seen|[[underscore]]
|5.5|18.7|||[[Strikethrough]]5|[[/Strikethrough]]6|N|2|-| |
|5.4|9.2|||[[Strikethrough]]5|[[/Strikethrough]]6|[[Strikethrough]]N|[[/Striket rough]]K= 3H|2|-|
|4.9|20.4|||[[Strikethrough]]5|[[/Strikethrough]]6|N?|3|-|
|4.1|19.0|[[Strikethrough]]|[[/Strikethrough]]|1a 152|[[Strikethrough]]4|[[/Stri kethrough]]2|K=H|1|[[underscore]]|seen. [[underscore]]
|4.0|20.4|||[[Strikethrough]]4|[[/Strikethrough]]5|N|1|-| | | | | | |
|3.8|19.6|||[[Strikethrough]]4|[[/Strikethrough]]6|[[Strikethrough]]N|[[/Striket rough]]K= 5H|2|-|
|4.0|12.0|||8|K= 2H|3|-|
|4.0|6.4|||[[Strikethrough]]5|[[/Strikethrough]]6|N|5|-|
|3.0|10.7|||[[Strikethrough]]7|[[/Strikethrough]]8|N|4|[[underscore]]F|[[under score]]|
|2.6|11.1|III^[[b]]|153|2|K=H|2|[[underscore]]|seen|[[underscore]]|
|2.5|12.5|||[[Strikethrough]]|[[/Strikethrough]]|[[Strikethrough]]3|[[/Striket rough]]4|[[Strikethrough]]6|[[/Strikethrough]]|[[Strikethrough]]N|[[/Strikethrou gh]]K=H|[[Strikethrough]]K=H|[[/Strikethrough]]1 2|- -|
|3.0|17.7|||[[Strikethrough]]4|[[/Strikethrough]]6|[[Strikethrough]]N|[[/Striket rough]]K=H|2|-|
Recorded above [[Strikethrough]]3.8|19.6||5|N|2|-|[[/Strikethrough]]
3., 55., [[Strikethrough]]4.0|20.4||3|N|1|-|



Project PhAEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

[[8 columned table]]
 |No.|R.A.|DEC.|MAG.| |Br.| |
 |---|---|---|---|---|---|
 7 57 +82.9|235|7 56.0|+82 56|6.5| |5.4|2.3 7.7 6.1|
 9 20 +63.7|845|9 20.1|+63 40|3.5| |5.5|9 6.4 4.8|
 9 1 +73.6|452|9 1.2|+73 32|6.0|1668 5.8 15 1|5.9|1.4 7.3 5.7|
~~[[strikethrough]]9 24 +73.7|470|9 24.0|+73 44|6.5| |6.2|1.4 7.6~~
~~6.0[[/strikethrough]]~~
 9 34 +64.3|752|9 34.7|+64 19|6.8| |6.5|9 7.4 5.8|
 9 58 +64.6|770|9 58.5|+64 39|6.8| |6.9 6.7|9 7.8 6.2|
 10 7 +84.9|234|10 7.8|+84 59|5.0| |4.8|2.6 7.4 5.8|
 8 44 +84.7|196|8 44.3|+84 45|6.0| |5.4|2.6 8.0 6.4|
 9 21 +74.9|402|9 21.6|+74 59|7.3| |5.8|1.5 7.3 5.7|
 10 20 +64.9|789|10 20.4|+64 59|6.2| |6.3|9 7.2 5.6|
 7 41 +84.5|169|9 41.6|+84 28|6.0| |5.4|2.5 7.9 6.3|
 9 33 +65.6|731|9 33.2|+65 38|6.3| |6.4|1.0 7.4 5.8|
 9 6 +75.5|370|9 6.6|+75 31|7.3| |6.5|1.5 8.0 6.4|
 9 12 +75.7|377|9 12.6|+75 44|6.2| |5.9|1.5 7.4 5.8|
 10 7 +65.9|767|10 7.5|+65 49|5.8| |6.3|1.0 7.3 5.7|
 12 48 +84.3|290|~~[[289]]~~12[^][[12]] 48.1[^][[48.0]]+84[^][[+84]]
 12[^][[12]]5.5[^][[6.5]]2189 [[5.0]]2.5 7.5
[[5.9]]
 10 13 +66.4|664|10 13.6|+66 18|5.0|1829 5.0 18
 +2|[[5.8]]1.0 6.8 [[5.2]]
 10 22 +76.5|393|10 22.6|+76 28|5.0|
~~[[6.2]]~~5.9|~~[[5.9]]~~1.6|7.8[^][[7.5]]
~~[[6.2]]~~5.9|~~[[5.9]]~~
 10 ~~[[12]]~~+76.5|~~[[57]]~~
 +86.4|~~[[386]]~~161|~~[[10]]~~
 11.8|~~[[10]]~~56.2|~~[[+76 24]]~~+86
 26|7.7|
~~[[6.5]]~~1.6 8.1
~~[[6.5]]~~
 9 39 +66.3|637|9 39.0|+66 16|6.7| |[[6.5]]1.0
 7.5 [[5.9]]

[[equation]]
 [[equation]]

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

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 10, 1887

Plate 508

[9 columned table]

| V|H|Type|No. Lines|No. Remarks|K|Focus|Other Lines|

| 20.7|11.1|I|bc154|~~4~~|~~2~~|K=H|4|F?
seen.]

| 17.5|11.9|I?|~~3~~|~~4~~|~~1~~-
through|N|~~1~~|K=H|1|-|

| 17.2|19.1|I|~~2~~|~~3~~|N|1|-|

| 15.1|7.2|I|~~3~~|~~5~~|~~1~~-
through|N|~~1~~|K=H|2|-|

| III? 6.7.7.0|15.0|13.2|~~1~~|~~1~~|~~1~~-
through|2|~~1~~|N|1|-|

| 15.9|18.6|I|~~3~~|~~4~~|~~1~~-
through|N|~~1~~|K=H|2|-|

| 14.2|14.6|I|~~3~~|~~5~~|N|2|-|

| 14.0|7.7|I?|~~2~~|~~3~~|N?|1|-|

| Recorded above|~~14.1~~|~~14.6~~|~~5~~|~~1~~-
through|~~1~~|~~5~~|~~1~~-
through|N|~~1~~|~~2~~|~~1~~-
through|F line|

| 13.9|21.1|I|~~4~~|~~6~~|~~1~~-
through|N|~~1~~|K=H|2|-|

| 14.0|23.3|I|~~2~~|~~4~~|~~1~~-
through|N|~~1~~|K=H|1|F|

| III? 6.3.6.6|13.0|16.1|III|~~3~~|~~1~~|~~1~~-
through|N|~~1~~|K=H|2|7|

| 13.0|16.5|III|~~4~~|~~1~~|~~3~~-|

| 13.1|19.8|I|~~7~~|~~8~~|N|3|F|

| 12.5|14.5|I|~~2~~|~~3~~|N|1|-|

| 12.4|19.7|I|~~1~~|~~1~~-
through|5|~~2~~|K=H|2|-|

| 11.6|11.0|I|~~10~~|~~11~~|K=.1H|5|Fraeu.|

| 9.8|10.6|I|~~3~~|~~4~~|~~1~~-
through|N|~~1~~|K=H|1|-|

| 10.0|16.0|I|~~5~~|~~6~~|N|2|-|

| 10.1|18.3|I|~~5~~|~~6~~|~~1~~-
through|?~~1~~|K=H|2|-|

| check mark|9.5|15.4|I?|~~2~~|~~4~~|~~3~~|~~1~~-
through|N|~~1~~|K=H|N|1|-|

| 9.0|13.6|~~1~~|~~2~~|~~1~~-
through|N|~~1~~|K=H|1|-|

| 7.5|6.0|I?|~~4~~|~~5~~|~~1~~-
through|N|~~1~~|K=H|2|-|

| 7.6|10.3|I|~~4~~|~~5~~|N|1|-|

| 6.5|15.7|III|~~2~~|~~3~~|~~1~~-
through|N|~~1~~|K=H|1|- F|

| 6.5|18.0|I|~~4~~|~~5~~|N?|2|- F|

| 6.7|19.7|I|~~4~~|~~1~~|~~1~~-
through|N|~~1~~|K=H|2|-|

| 5.5|20.6|I|~~5~~|~~6~~|~~1~~-
through|N|~~1~~|K=H|2|-|

88

January 10, 1887

Plate 508

W. H. Fraunhofer's Lines

| No. | Wavelength | Type | No. Lines | No. Remarks | K | Focus | Other Lines |
|------|------------|--------------|---------------|---------------|--------------|----------------|-------------|
| 20.7 | 11.1 | I | bc154 | 4 | 2 | K=H | 4 F? |
| 17.5 | 11.9 | I? | 3 | 4 | 1 | - | - |
| 17.2 | 19.1 | I | 2 | 3 | N | 1 - | - |
| 15.1 | 7.2 | I | 3 | 5 | 1 | - | - |
| 15.9 | 18.6 | I | 3 | 4 | 1 | - | - |
| 14.2 | 14.6 | I | 3 | 5 | N | 2 - | - |
| 14.0 | 7.7 | I? | 2 | 3 | N? | 1 - | - |
| 14.1 | 14.6 | | | | | | |
| 13.9 | 21.1 | I | 4 | 6 | 1 | - | - |
| 14.0 | 23.3 | I | 2 | 4 | 1 | - | - |
| 13.0 | 16.5 | III | 4 | 1 | 3 | - | - |
| 13.1 | 19.8 | I | 7 | 8 | N | 3 F | - |
| 12.5 | 14.5 | I | 2 | 3 | N | 1 - | - |
| 12.4 | 19.7 | I | 1 | 1 | - | - | - |
| 11.6 | 11.0 | I | 10 | 11 | K=.1H | 5 Fraeu. | - |
| 9.8 | 10.6 | I | 3 | 4 | 1 | - | - |
| 10.0 | 16.0 | I | 5 | 6 | N | 2 - | - |
| 10.1 | 18.3 | I | 5 | 6 | 1 | - | - |
| 9.5 | 15.4 | I? | 2 | 4 | 3 | 1 - | - |
| 9.0 | 13.6 | 1 | 2 | 1 | - | - | - |
| 7.5 | 6.0 | I? | 4 | 5 | 1 | - | - |
| 7.6 | 10.3 | I | 4 | 5 | N | 1 - | - |
| 6.5 | 15.7 | III | 2 | 3 | 1 | - | - |
| 6.5 | 18.0 | I | 4 | 5 | N? | 2 - F | - |
| 6.7 | 19.7 | I | 4 | 1 | 1 | - | - |
| 5.5 | 20.6 | I | 5 | 6 | 1 | - | - |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

89

[[7 columned table]]

[No.|R.A.|Dec.|Mag.|-|Br.|Mean]

1054+62.5|1161|10 54.8|+62 31|2.0|-[in brackets]]5.2 5.7|.8[[in brackets]]6.0 6.5 [[in brackets]]4.1 4.6]

1052+64.2|824|10 51.9|+64 12|6.8|-[6.9 .9 7.8 6.2 5.8]

1024+54.3|1381|10 24.6|+54 14|6.8|.7 0 .6 7.6 6.0 5.9|

1114+65.1|828|11 14.2|+65 8|6.0|-[6.7 .9 7.6 6.0 5.6]

1047+65.3|808|10 46.8|+65 19|7.5|-[in brackets]]6.8 7.1 .9 [[in brackets]]7.7 8.0 [[in brackets]]6.1 6.4 [[in brackets]]5.7 6.0|

1020+64.9|+789|10 20.4|+64 59|6.2|-[6.8 .9 7.7 6.1 5.7]

1040+65.9|803|10 39.1|+65 54|6.5|1890 6.3 15 .1|6.8 1.0 7.8 6.2 5.7|

114+55.6|1446|11 4.3|+55 41|6.7|-[7.0 .6 7.6 6.0 5.9]

[strike-through]]1039+65.9|803|10 39.1|+65 54|6.5|-[|

107+65.8|707|10 7.5|+65 49|5.8|-[6.7 1.0 7.7 6.1 5.6]

930+75.3|389|9 30.1|+75 15|6.8|-[underlined]]7.0 .1 5 8.5

[underlined]]6.9 [[underlined]]5.9|

1032+66.5|678|10 32.0|+66 28|5.0|-[in brackets]]6.6 6.9 1.0 [[in brackets]]7.6 7.9 [[in brackets]]6.0 6.3 [[in brackets]]5.5 5.8|

1022+76.5|393|10 22.6|+76 28|5.0|-[in brackets]]6.3 6.5 1.6 [[in brackets]]7.9 8.1 [[in brackets]]6.3 6.5 [[in brackets]]5.2 5.4|

1013+66.3|664|10 13.6|+66 18|5.0|1829 5.0 22+6|6.2 1.0 7.2 5.6 5.1|

1039+76.8|402|10 39.8|+79 46|7.0|.6 9 1.6 8.5 6.9 5.8|

1021+55.7|[[strike-through]]1394|[[strike-through]]18

[[above]]459|[[strike-through]]10 20.5 [[above]]10 21.4|[[strike-through]]+55 34|[[above]]56 43|[[strike-through]]7.4 [[above]]4.7|-[6.3 .6 9 5.3 5.2]

1053+57.2|1302|10 53.1|+57 10|2.3|-[4.8 .7 5.5 3.9 3.7|

110+67.9|632|11 0.4|+68 0|6.5|-[6.8 1.1 7.9 6.3 5.7]

1034+57.9|1286|10 34.6|+57 57|5.8|1881 5.7 15 .1|6.5 .7 7.2 5.6 5.4|

1025+57.8|1277|10 25.8|+57 50|5.0|-[6.5 .7 7.2 5.6 5.4|

1035+68.2|[[strike-through]]617 [[above]]359|[[strike-through]]10 35.0

[[above]]10 30.4|+[[strike-through]]+68 10 [[above]]+78 11|[[strike-through]]6.2 [[above]]7.0|-[7.0 7.2 1.1 8.1 6.5 5.9|

1048+78.6|367|10 48.2|+78 33|6.2|-[6.8 7.1|[[in brackets]]1.8,8.6 8.9|[[in brackets]]7.0 7.3 [[in brackets]]5.7 6.0|[[in brackets]]|

126+78.4|412|12 5.4|+78 26|5.1|-[underlined]]5.8 1.7 7.5

[underlined]]5.9 [underlined]]4.7|

113+69.8|602|11 3.0|+69 2|6.2|-[1945 6.6 1.3 .3|6.8 1.1 7.9 6.3 5.7|

1032+69.8|586|10 32.6|+69 49|4.7|-[in brackets]]6.7 7.0 1.2 [[in brackets]]7.9 8.2 [[in brackets]]6.3 6.6 5.6 5.9|

100+79.6|328|10 0.8|+79 39|6.7|-[6.8 1.9 8.7 7.1 5.7|

1010+69.4|568|10 10.0|+69 29|6.0|-[6.7 1.1 7.8 6.2 5.6|

930+79.8|319|9 29.8|+79 48|6.0|-[6.6 [[underlined]]1.9|[[underlined]]8.5

[[underlined]]6.9 5.5 |

The image shows a handwritten table of astronomical observations. The columns are labeled at the top: No., R.A., Dec., Mag., Br., and Mean. The data is written in cursive and includes various numbers, some with decimal points and some with brackets. There are several rows of data, and some entries are crossed out or corrected. The paper is lined and shows signs of age.

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3

Transcribed and Reviewed by Digital Volunteers

Extracted Dec-02-2022 11:19:31

90

January 10, 1887

Plate 508

[[8 columned table]]

[V][H]Type|No Remarks|No. Lines|K|Focus|Other Lines.|V|H|V|H|

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

5.0|7.2|III| |1|N|2|-|

3.6|15.3|II| |6|K=2h|2|-|

Plate 500

[V][H]Type|No Remarks|No. Lines|K|Focus|Other Lines.|V|H|V|H|

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

20.5|12.6|III| |c.155|2|K=1.2H|5|-|

17.3|13.3|II| |4|K=H|1|-|

17.1|20.6|III| |a.156|2|K=H|1|Seen|

15.6|9.4|II| |3|N|1|-|

15.0|8.7|II| |5|N|2|-|

15.0|14.7|III| |1|N|1|-|

15.5|20.1|II| |5|K=H|2|-|

14.0|9.2|III| |2|K=H|1|-|

14.0|16.1|II| |5|N=?|2|-|

13.7|22.6|II| |5|K=H|2|-|

13.0|17.5|III| |2|K=H|1|-|

13.0|17.9|III| |b.c.157|3|K=1.2H|2|F|

12.0|21.2|II| |5|N|3|-|

12.3|21.2|III| |a.158|2|K=H|2|Seen|

12.2|15.9|II| |3|N|1|-|

11.6|12.5|II| |11|N?|5|Freen|

10.2|19.8|II| |5|K=H|2|F|

10.0|17.5|II| |6|N|2|-|

9.7|12.1|II| |6|K=H|2|Freen|

9.6|5.5|III| |2|K=H|1|-|

9.5|7.1|II| |4|N|1|-|

7.8|7.3|II| |3|N|1|-|

7.5|7.4|II| |6|K=H|2|-|

7.5|11.8|II| |5|K=H|1|-|

90

January 10, 1887

Plate 508

H. N. Fleming's H. N. Fleming's

17.3 13.3 II 4 K=H 1 -

17.1 20.6 III a.156 2 K=H 1 Seen

15.6 9.4 II 3 N 1 -

15.0 8.7 II 5 N 2 -

15.0 14.7 III 1 N 1 -

15.5 20.1 II 5 K=H 2 -

14.0 9.2 III 2 K=H 1 -

14.0 16.1 II 5 N=? 2 -

13.7 22.6 II 5 K=H 2 -

13.0 17.5 III 2 K=H 1 -

13.0 17.9 III b.c.157 3 K=1.2H 2 F

12.0 21.2 II 5 N 3 -

12.3 21.2 III a.158 2 K=H 2 Seen

12.2 15.9 II 3 N 1 -

11.6 12.5 II 11 N? 5 Freen

10.2 19.8 II 5 K=H 2 F

10.0 17.5 II 6 N 2 -

9.7 12.1 II 6 K=H 2 Freen

9.6 5.5 III 2 K=H 1 -

9.5 7.1 II 4 N 1 -

7.8 7.3 II 3 N 1 -

7.5 7.4 II 6 K=H 2 -

7.5 11.8 II 5 K=H 1 -

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean.11

No. R.A. Dec. MAG. Br.

[[two columns]]

| 1122+70.2 | 665 | 11 | 228 | +70 | 9 | 3.3 | _ | --- | 6.4 6.8 | 1.2 | 7.6 8.0 |

6.0 6.4 | [dot] | 5.3 5.7 |

| 1029+81.2 | 349 | 10 | 289 | +81 | 11 | 6.2 | _ | --- | 6.6 | 2.0 | 8.6 | 7.0 |

[dot] | 5.5 [check]

| 65/4 | 6-5/4 |

[[blank row]]

| 1054+62.6 | 1161 | 10 | 54.8 | +62 | 31 | 2.0 | _ | --- | [check] | 5.0 5.5 |

.8 | 5.8 6.3 | 4.1 4.6 | [dot] |

| 1052+62.6 | 1161 | 10 | 51.9 | +64 | 12 | 6.8 | _ | --- | [check] | 7.0 | .9 |

7.9 | 6.2 | [dot] |

| 1024+54.3 | 1381 | 10 | 24.6 | +54 | 14 | 6.8 | _ | --- | [check] | 7.0 | .6 |

7.6 | 5.9 | [dot] |

| 11[[0??]]3+54.9 | 1426 | 11 | 3.1 | +54 | 56 | 7.0 | . | --- | [check] | 7.2 | .6 |

7.8 | 6.1 | [dot] |

| 1114+65.2 | 828 | 11 | 14.2 | +65 | 8 | 6.0 | [[separate numbers in same

row]] 1966 | 5.9 | 16 | -1 [[end of separate numbers]] | --- | check | 6.6 | .9 |

7.5 | 5.8 | [dot] |

| 1045+55.3 | 1418 | 10 | 44.8 | +55 | 21 | 5.7 | _ | --- | [check] | 6.9 7.3 |

.6 | 7.5 7.9 | 5.8 6.2 | [dot] |

| 1020+65.0 | 789 | 10 | 20.4 | +64 | 59 | 6.2 | _ | --- | [check] | 6.9 | .9 |

7.8 | 6.1 | [dot] |

| 11[[0??]]4+55.6 | 1446 | 11 | 4.3 | +55 | 41 | 6.7 | _ | --- | [check] | 7.2 |

.6 | 7.8 | 6.1 | [dot] |

| 1039+65.9 | 803 | 10 | 39.1 | +65 | 54 | 6.5 | --- | [check] | 6.7 | 1.0 | 7.7 |

6.0 | [dot] |

| 10[[0??]]7+65.8 | 767 | 10 | 7.5 | +65 | 49 | 5.8 | _ | --- | [check] | 6.6 |

1.0 | 7.6 | 5.9 | [dot] |

| 1032+66.5 | 678 | 10 | 32.0 | +66 | 28 | 5.2 | _ | --- | [check] | 6.8 7.1 |

1.0 | 7.8 8.1 | 6.1 6.4 | [dot] | 1022+76.4 | 393 | 10 | 22.6 | +76 | 28 | 5.0 |

_ | --- | [check] | 6.4 6.6 | 1.6 | 8.0 8.2 | 6.3 6.5 | [dot] |

| 1013+66.3 | 664 | 10 | 13.6 | +66 | 18 | 5.0 | [[separate numbers on

same row]] 1829 | 5.0 | 20 | +3 [[end of separate numbers]] | --- | [check]

| 6.0 | 1.0 | 7.0 | 5.3 | [dot] |

| 1021+56.7 | 1459 | 10 | 21.4 | +56 | 43 | 4.7 | _ | --- | [check] | 6.5 | .7 |

7.2 | 5.5 | [dot] |

| 1039+76.7 | 402 | 10 | 39.8 | +76 | 46 | 7.0 | . | --- | [check] | 7.0 | 1.6 |

8.7 | 7.0 | [dot] |

| 1053+57.2 | 1302 | 10 | 53.1 | +57 | 10 | 2.3 | --- | [check] | 4.4 | .7 | 5.1 |

3.4 | [dot] |

| 1025+57.8 | 1277 | 10 | 25.8 | +57 | 50 | 5.0 | _ | --- | [check] | 6.5 | .7 |

7.2 | 5.5 | [dot] |

| 1034+57.9 | 1286 | 10 | 34.6 | +57 | 57 | 5.8 | [separated numbers in

same row] 1881 | 5.7 | 15 | -2 | --- | [check] | 6.5 | .7 | 7.2 | 5.5 | [dot] | 11

0 + 68.0 | 632 | 11 | 0.4 | +68 | 0 | 6.5 |

_ | --- | [check] | 6.7 | 1.1 | 7.8 | 6.1 | [dot] |

| 1134+67.6 | 714 | 11 | 34.4 | +67 | 33 | 5.3 | _ | --- | [check] | 7.0 7.3 |

1.0 | 8.0 8.3 | 6.3 6.6 | [dot] |

| 1113 + 57.8 | 1316 | 11 | 13.5 | 57 | 52 | 65 | . | --- | [check] | 6.9 | .7 | 7.6 |

5.9 | [dot] |

| 12.5 +78.3 | 411 | 12 | 5.0 | +78 | 15 | 7.3 | . | --- | [check] | 7.0 | 1.7 | 8.7 |

7.0 | [dot] |

| 126+78.4 | 412 | 12 | 5.4 | +78 | 26 | 5.1 | - | --- | [check] | 6.0 | 1.7 | 7.7 |

Handwritten astronomical data page, likely a transcription of a catalog. The page is numbered '91' in the top right corner. It contains a table with columns for 'No.', 'R.A.', 'Dec.', 'MAG.', and 'Br.'. The data is written in cursive script. There are several rows of data, some with checkmarks and some with handwritten notes. The page is slightly aged and has some staining.

6.0 | [dot] |
| 113+69.1 | 602 | 11 | 3.0 | +69 | 2 | 6.2 | - | [V?] | --- | [check] | 6.9 | 1.1 |
8.0 | 6.3 | [dot] |
John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics
[dot] Provided by the NASA Astrophysics Data System

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

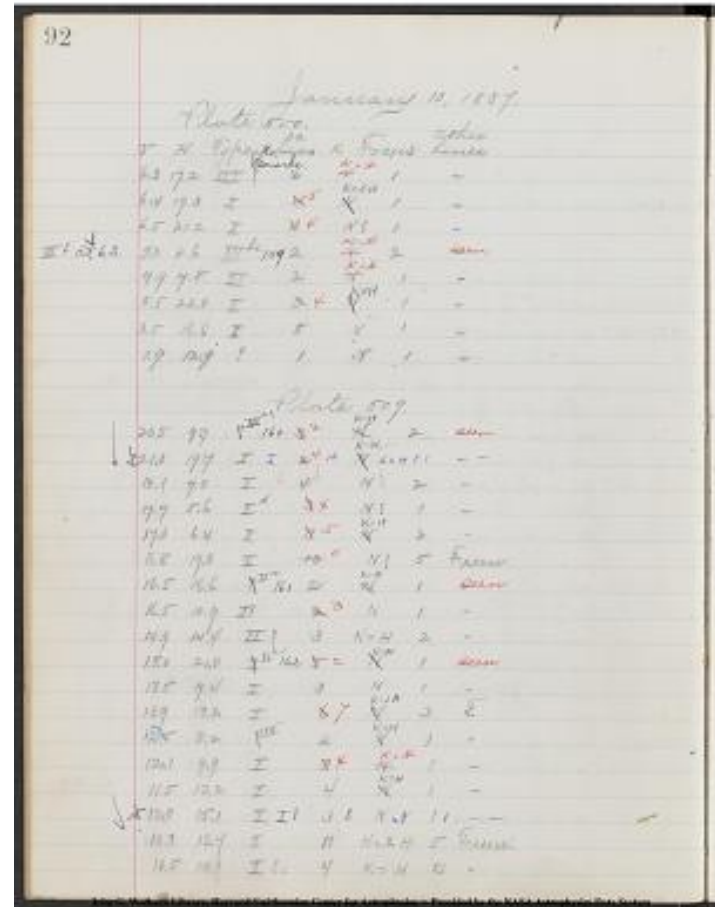
January 10, 1887.

Plate 500.

| V | H | Type | No. | Remarks | No. Lines | K | Focus | Other Lines |
|-----|------------------------------|------|------------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|-------------|
| 6.3 | 17.2 | III | III | [[\ strikethrough]] | 2 | [[strikethrough]] | | |
| IV | [[strikethrough]] | | | K=1G | III | | | |
| 6.4 | 19.3 | II | [[strikethrough]] | 4 | [[strikethrough]] | 5 | [[strikethrough]] | N |
| | | | | K=5H | 1 | - | | |
| 6.5 | 21.2 | II | [[strikethrough]] | 3 | [[strikethrough]] | 4 | N? | 1 |
| | | | | | | | | |
| 7.5 | 8.6 | 2 | 5.0 | 8.6 | III | [[bc]] | 159 | 2 |
| | | | | | | | | |
| 4.9 | 7.8 | III | 2 | [[strikethrough]] | N | [[strikethrough]] | K=H | 1 |
| | | | | | | | | |
| 5.5 | 22.0 | II | [[strikethrough]] | 3 | [[strikethrough]] | 4 | [[strikethrough]] | N |
| | | | | | | | | |
| 3.5 | 16.6 | IV | 5 | N | 1 | - | | |
| 1.9 | 12.9 | ? | 1 | N | 1 | - | | |

Plate 509

| Left Margin | Down Arrow |
|------------------------------|------------------------------|
| 20.8 | 9.7 |
| 160 | [[strikethrough]] |
| 3 | [[strikethrough]] |
| 2 | [[strikethrough]] |
| N | |
| K=H | 2 |
| seen | |
| 21.0 | 19.7 |
| [[strikethrough]] | 3 |
| [[strikethrough]] | 4 |
| N | [[strikethrough]] |
| K=H | - |
| 18.1 | 4.0 |
| 4 | N |
| 2 | - |
| 14.4 | 15.6 |
| [[strikethrough]] | 3 |
| [[strikethrough]] | 4 |
| N? | 1 |
| - | |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

[9 columned table]
 | NO. | R.A. | DEC. | MAG. | Br. | |
 ---|---|---|---|---|---|
 10 32 | +69.8 | 586 | 10 32.6^{[[]]} | +69^{[[]]} 49 | 4.7 | -- | ^[[6.8]] 7.1 |
 1.2 ^[[8.0 6.3]] 8.3 6.6 |
 10 0 | +79.6 | 328 | 10 0.8^{[[]]} | +79^{[[]]} 39 | 6.7 | -- | 6.9 | 1.9 8.8 7.1 .
 |
 10 10 | +69.5 | 568 | 10 10.0^{[[]]} | +69^{[[]]} 29 | 6.0 | | 6.7 | 1.1 7.8 6.1
 |
 11 22 | +70.2 | 665 | 11 22.8^{[[]]} | +70^{[[]]} 9 | 3.3 | -- | ^[[6.5]] 6.9 |
 1.2 ^[[7.7 6.0]] 8.1 6.4 |
 11 27 | +70.2 | 670 | 11 27.6^{[[]]} | +70^{[[]]} 8 | 5.2 | -- | ^[[6.9]] 7.2 |
 1.2 ^[[8.1 6.4]] 8.4 6.7 |
 9 30 | +79.7 | 319 | 9 29.8^{[[]]} | +79^{[[]]} 48 | 6.0 | -- | 6.6 | 1.9 8.5 6.5 .
 |
 10 29 | +81.2 | 349 | 10 28.9^{[[]]} | +81^{[[]]} 11 | 6.2 | . | 6.9 | 2.0 8.9 7.2
 |
 11 21 | +81.9 | 373 | 11 21.4^{[[]]} | +81^{[[]]} 56 | 6.2 | | ~~[[6.5]]~~ 6.9 |
 6.7 ~~[[6.5]]~~ 2.1 8.8 ~~[[6.5]]~~ 7.1 ~~[[6.5]]~~ |
 [equation] [equation]
 Mean 17
 [10 columned table]
 12 17 | +52.4 | 1626 | ~~[[6.5]]~~ 17 0.2 ~~[[6.5]]~~ ^[[12
 17.0^{[[]]}]] | +52^{[[]]} 20 | 5.2 | -- | ^[[6.9]] 7.1 | .5 ^[[7.4 5.4]] 7.6 5.4 |
 ^[[5.2]] 5.4 |
 11 43 | +52.2 | ~~[[6.5]]~~ 1590 ~~[[6.5]]~~ ^[[1198]] |
~~[[6.5]]~~ 11 40.2^{[[]]} ~~[[6.5]]~~ ^[[11 39.3]] |
~~[[6.5]]~~ +52^{[[]]} 13 ~~[[6.5]]~~ ^[[+62 13]] |
~~[[6.5]]~~ 7.3 ~~[[6.5]]~~ ^[[6.5]] | -- | 7.0
7.0 | .5 7.5 5.4 5.4 |
5.3 |
 12 35 | +63.5 | 1026 | 12 35.2^{[[]]} | +63^{[[]]} 32 | 6.5 | 2159 6.0 17 -5 |
6.8 9.7 5.5 |
5.1 |
 12 41 | +63.5 | 1034 | 12 41.1^{[[]]} | +63^{[[]]} 34 | ~~[[6.5]]~~ 6.0
~~[[6.5]]~~ | 6.9 9.7 |
5.6 | 5.2 |
 13 0 | +73.8 | 583 | 13 0.3^{[[]]} | +73^{[[]]} 48 | 6.0 | -- | 6.9
1.4 8.3 6.1 |
5.2 |
 11 46 | +54.5 | 1475 | 11 46.2^{[[]]} | +54^{[[]]} 30 | 2.5 | 2036 2.3 26 +4 |
 4.3 | .6 4.9 2.7 | 2.6 |
 11 45 | +74.6 | 476 | 11 45.8^{[[]]} | +74^{[[]]} 34 | 6.7 | -- | 7.3 | 1.4 8.7
 6.5 | 5.6 |
 12 18 | +64.6 | 896 | 12 18.3^{[[]]} | +64^{[[]]} 37 | 6.0 | 2107 6.3 21 -1 |
 7.5 | .9 8.5 6.2 | 5.8 |
 12 2 | +75.4 | 469 | 12 2.7^{[[]]} | +75^{[[]]} 23 | 6.7 | -- | 6.8 | 154 8.3 6.1 .
 5.1 |
 11 7 | +75.2 | 438 | 11 7.5^{[[]]} | +75^{[[]]} 9 | 7.4 | -- | 7.0 | 1.5 8.5 6.3 |
 5.3 |
 12 19 | +55.9 | 1533 | 12 19.6^{[[]]} | +55^{[[]]} 58 | 7.0 | . | 7.2 | .6 7.8 5.6
 . | 5.5 |
 12 12 | +75.9 | 470 | 12 12.3^{[[]]} | +75^{[[]]} 59 | 5.8 | -- | 6.0 | 1.5 7.5
 5.3 | 4.3 |
 12 54 | +76.3 | 473 | 12 54.5^{[[]]} | +76^{[[]]} 15 | 6.0 | -- | ^[[7.0]] 7.3 |
 1.6 ^[[8.6 6.4]] 8.9 6.7 | ^[[5.3]] 5.6 |
 12 24 | +66.7 | 763 | 12 24.4^{[[]]} | +66^{[[]]} 42 | 6.5 | . | 7.0 | 1.0 8.0 5.8
 . | 5.3 |
 12 13 | +67.3 | 742 | 12 13.5^{[[]]} | +67^{[[]]} 12 | 6.8 | -- | 7.1 | 1.0 8.1

5.9 . | 5.4 |
 | 11 57 | +67.1 | ~~730~~ 439 |
~~11 57.2~~^[^] ~~^~~^[11 56.5] |
~~+67~~^[^] 9 ~~^~~^[+76 52] | ~~7.5~~^[^] ~~^~~^[7.7] | . | 7.2 7.1 | 1.0 8.2 6.0 . | 5.5 |
 | 12 8 | +57.8 | 1363 | 12 8.2^[^] | +57^[^] 50 | 3.3 | -- | 4.8 | .7 5.5 3.3 .
 | 3.1 |
 | 11 57 | +77.7 | 461 | 11 57.9^[^] | +77^[^] 43 | 5.8 | -- | 6.6 | 1.7 8.3
 6.1 . | 4.9 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 10, 1887

Plate 509

[[8 column table]]

[[v|H|Type|No. Lines|K|Focus|other lines|

|III?6.6.6.8.^[[[]]]10.5|19.6|III|^No.Remarks]]2[[[Strikethrough]]N[[[Strikethrough]]K=H|1|-|

|9.3|14.2|II|4|N|2|-|

|9.0|14.1|I|I|[[[Strikethrough]]6[[[Strikethrough]]7|K=.5H|3|-|

|8.7|7.5|II|2|N|1|-|

|9.0|19.5|II|3|N|1|-|

|8.0|22.0|II|5|N|1|-|

|7.4|8.9|I|I|[[[Strikethrough]]5[[[Strikethrough]]7|[[[Strikethrough]]K=H|[[[Strikethrough]]K=.8H|2|-^[[[F?]]|

|5.7|11.8|II|3|N|1|-|

|5.4|6.9|I|I|[[[Strikethrough]]?[[[Strikethrough]]III|2|[[[Strikethrough]]N|[[[Strikethrough]]K=H|1|-|

|5.5|20.3|I|I|[[[Strikethrough]]?[[[Strikethrough]]III|I|[[[Strikethrough]]3|[[[Strikethrough]]2|K=H|2|-^[[[F?]]|

|III 5.8,

|6.1^[[[]]]5.3|21.1|III^[[b]]163|[[[Strikethrough]]1|[[[Strikethrough]]2|[[[Strikethrough]]N|[[[Strikethrough]]K=H|2|[[[Strikethrough]]-|[[[Strikethrough]]seen|

|4.7|10.2|I|^[[b]]163|[[[Strikethrough]]8|[[[Strikethrough]]9|N|4|-|

|4.0|13.9|I|I|[[[Strikethrough]]3|[[[Strikethrough]]4|[[[Strikethrough]]N|[[[Strikethrough]]K=H|1|-|

|4.0|15.8|I|I|[[[Strikethrough]]4|[[[Strikethrough]]5|[[[Strikethrough]]N|[[[Strikethrough]]K=H|1|-|

|2.8|11.6|I|I|[[[Strikethrough]]4|[[[Strikethrough]]5|[[[Strikethrough]]N|[[[Strikethrough]]K=.5H|1|-|

|2.5|21.5|II|3|N?|1|-|

Plate 546

|22.5|12.5|I|I|[[[Strikethrough]]9|[[[Strikethrough]]10|N|5|F
seen|

|21.4|10.6|I|I|[[[Strikethrough]]5|[[[Strikethrough]]6|[[[Strikethrough]]N|[[[Strikethrough]]K=H|2|[[[Strikethrough]]-|[[[Strikethrough]]F|

|20.0|23.0|I|I|[[[Strikethrough]]5|[[[Strikethrough]]7|N|4|-|

|17.6|18.9|I|I|[[[Strikethrough]]5|[[[Strikethrough]]N|2|F|[[[Strikethrough]]?[[[Strikethrough]]trikethrough]]

|15.0|10.4|II|4|N|2|-|

|15.0|16.5|II|6|N|4|-|

|14.0|13.9|I|I|[[[Strikethrough]]3|[[[Strikethrough]]5|[[[Strikethrough]]N|[[[Strikethrough]]K=H|2|[[[Strikethrough]]-|[[[Strikethrough]]F|

|10.0|8.9|II|4|N|2|-|

|9.1|14.2|I|I|[[[Strikethrough]]4|[[[Strikethrough]]5|[[[Strikethrough]]N|[[[Strikethrough]]K=.5H|2|-|

|9.3|15.5|I|I|[[[Strikethrough]]6|[[[Strikethrough]]7|K=.5H|2|-|

94

January 10, 1887

Plate 509

8 column table

[[v|H|Type|No. Lines|K|Focus|other lines|

[[III?6.6.6.8.^[[[]]]10.5|19.6|III|^No.Remarks]]2[[[Strikethrough]]N[[[Strikethrough]]K=H|1|-|

|9.3|14.2|II|4|N|2|-|

|9.0|14.1|I|I|[[[Strikethrough]]6[[[Strikethrough]]7|K=.5H|3|-|

|8.7|7.5|II|2|N|1|-|

|9.0|19.5|II|3|N|1|-|

|8.0|22.0|II|5|N|1|-|

|7.4|8.9|I|I|[[[Strikethrough]]5[[[Strikethrough]]7|[[[Strikethrough]]K=H|[[[Strikethrough]]K=.8H|2|-^[[[F?]]|

|5.7|11.8|II|3|N|1|-|

|5.4|6.9|I|I|[[[Strikethrough]]?[[[Strikethrough]]III|2|[[[Strikethrough]]N|[[[Strikethrough]]K=H|1|-|

|5.5|20.3|I|I|[[[Strikethrough]]?[[[Strikethrough]]III|I|[[[Strikethrough]]3|[[[Strikethrough]]2|K=H|2|-^[[[F?]]|

|III 5.8,

|6.1^[[[]]]5.3|21.1|III^[[b]]163|[[[Strikethrough]]1|[[[Strikethrough]]2|[[[Strikethrough]]N|[[[Strikethrough]]K=H|2|[[[Strikethrough]]-|[[[Strikethrough]]seen|

|4.7|10.2|I|^[[b]]163|[[[Strikethrough]]8|[[[Strikethrough]]9|N|4|-|

|4.0|13.9|I|I|[[[Strikethrough]]3|[[[Strikethrough]]4|[[[Strikethrough]]N|[[[Strikethrough]]K=H|1|-|

|4.0|15.8|I|I|[[[Strikethrough]]4|[[[Strikethrough]]5|[[[Strikethrough]]N|[[[Strikethrough]]K=H|1|-|

|2.8|11.6|I|I|[[[Strikethrough]]4|[[[Strikethrough]]5|[[[Strikethrough]]N|[[[Strikethrough]]K=.5H|1|-|

|2.5|21.5|II|3|N?|1|-|

Plate 546

|22.5|12.5|I|I|[[[Strikethrough]]9|[[[Strikethrough]]10|N|5|F
seen|

|21.4|10.6|I|I|[[[Strikethrough]]5|[[[Strikethrough]]6|[[[Strikethrough]]N|[[[Strikethrough]]K=H|2|[[[Strikethrough]]-|[[[Strikethrough]]F|

|20.0|23.0|I|I|[[[Strikethrough]]5|[[[Strikethrough]]7|N|4|-|

|17.6|18.9|I|I|[[[Strikethrough]]5|[[[Strikethrough]]N|2|F|[[[Strikethrough]]?[[[Strikethrough]]trikethrough]]

|15.0|10.4|II|4|N|2|-|

|15.0|16.5|II|6|N|4|-|

|14.0|13.9|I|I|[[[Strikethrough]]3|[[[Strikethrough]]5|[[[Strikethrough]]N|[[[Strikethrough]]K=H|2|[[[Strikethrough]]-|[[[Strikethrough]]F|

|10.0|8.9|II|4|N|2|-|

|9.1|14.2|I|I|[[[Strikethrough]]4|[[[Strikethrough]]5|[[[Strikethrough]]N|[[[Strikethrough]]K=.5H|2|-|

|9.3|15.5|I|I|[[[Strikethrough]]6|[[[Strikethrough]]7|K=.5H|2|-|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

mean 17
 [[Two columns]]
 No.|R.A.|DEC.|MAG.| |Br.

11 34+67.5|714|11 34.4^{[[^]]}+67^{[[^]]} 33|5.3|_ |
 |7.2^{[[6.9]]}|1.0}|8.2^{[[7.9]]}|6.0^{[[5.7]]}|5.5^{[[5.2]]}[[symbol - checkmark]]
 12 5+78.3|411|12 5.0^{[[^]]}+73^{[[^]]} 15|7.3|_ | |6.8 1.7 8.5
 6.3|5.1[[symbol - checkmark]]
 12 5+78.4|412|12 5.4^{[[^]]}+78^{[[^]]} 26|5.1|_ | |5.8 1.7 7.5
 5.3|4.1[[symbol - checkmark]]
 13 9+77.9 506|13 9.4^{[[^]]}+77^{[[^]]} 58|7.6|_ | |7.4 1.7 9.1
 6.9|5.7[[symbol - checkmark]]
 11 12+78.2|385|11 12.8^{[[^]]}+78^{[[^]]} 11|6.8|_ | |7.4 1.7 9.1
 6.9|5.7[[symbol - checkmark]]
 11 32+58.8|1331|11 32.5^{[[^]]}+58^{[[^]]} 46|6.3|_ | |6.9 .7 7.6
 5.4|5.2[[symbol - checkmark]]
 12 23+59.2|1444|12 23.2^{[[^]]}+59^{[[^]]} 12|5.7|_ | |6.6 .7 7.3
 5.1|4.9[[symbol - checkmark]]
 12 33+80.0|389|12 32.8^{[[^]]}+80^{[[^]]} 1|6.7|_ | |7.2 1.9 9.1
 6.9|5.5[[symbol - checkmark]]
 13 25+79.4|422|13 25.8^{[[^]]}+79^{[[^]]} 23|6.0|_ |
 |[[underline]]6.8[[/underline]]^{[[^]]}[[[[underline]]6.6[[/underline]]]] 1.8}
 8.6^{[[8.4]]}[[underline]]6.4[[/underline]]^{[[^]]}[[[[underline]]6.2[[/underline]]]]
 |[[underline]]5.1[[/underline]]^{[[^]]}[[[[underline]]4.9[[/underline]]]][[symbol - checkmark]]
 11 27+70.1|670|11 27.6^{[[^]]}+70^{[[^]]} 8|5.2|_ | |7.1^{[[6.8]]} 1.2}
 8.3^{[[8.0]]} 6.1^{[[5.8]]} 5.4^{[[5.1]]}[[symbol - checkmark]]
 11 22+70.1|665|11 22.8^{[[^]]}+70^{[[^]]} 9|3.3|_ | |6.5 6.8^{[[6.5]]} 1.2}
 8.0^{[[7.7]]} 5.8^{[[5.5]]} 5.1^{[[4.8]]}[[symbol - checkmark]]
 12 27+70.6|703|12 27.2^{[[^]]}+70^{[[^]]} 35|3.3|2|35 3.8 24 +2| |5.0 1.2
 6.2 4.0 3.3[[symbol - checkmark]]
 12 9+80.9|381^{[[380]]}|12^{[[12]]} 9.8^{[[9.8^{[[^]]}]]}+80^{[[^]]}+80^{[[^]]}]]
 56^{[[56]]}|8.3^{[[8.4]]}|_ | |7.0 2.0^{[[2.0]]} 9.0 6.8 5.3 [[symbol - checkmark]]
 11 53+71.0|598|11 53.3^{[[^]]}+71^{[[^]]} 2|6.5|_ | |7.0 1.2 8.2 6.0
 5.3[[symbol - checkmark]]
 12 40+81.4|402|12 40.8^{[[^]]}+81^{[[^]]} 25|6.3|_ |
 |[[underline]]6.9[[/underline]] 2.1 9.0 [[underline]]6.8[[/underline]]
 |[[underline]]5.2[[/underline]][[symbol - checkmark]]^{[[^]]}[[symbol - checkmark]]
 |[[symbol - checkmark]]
 |[[symbol - checkmark]]8 37+81.2|[[symbol - checkmark]]8 30+81.2|[[symbol - checkmark]]274|8 36.4|+81
 20|8.6[[/symbol - checkmark]]^{[[^]]}[[349|10 28.9^{[[^]]}+81^{[[^]]} 11|6.2]]|_ |
 |[[underline]][[symbol - checkmark]]6.9[[/underline]][[/symbol - checkmark]] 2.0 8.9
 |[[underline]][[symbol - checkmark]]6.7[[/underline]][[/symbol - checkmark]]
 |[[88/4]] |[[6-6/4]]
 12 47+56.8|1027|12 47.7^{[[^]]}+56^{[[^]]} 44|2.0|2|191 1.8
 |[[symbol - checkmark]]31 +6[[/symbol - checkmark]][[symbol - checkmark]]
 |[[symbol - checkmark]][[underline]]4.2[[/underline]][[/symbol - checkmark]]
 |[[symbol - checkmark]] 7 4.9
 |[[symbol - checkmark]][[underline]]24[[/underline]][[/symbol - checkmark]]
 |[[symbol - checkmark]]^{[[^]]}[[26]][[/symbol - checkmark]]
 12 54+54.1|1408|12 54.5^{[[^]]}+57^{[[^]]} 8 5.0|_ | |[[symbol - checkmark]]
 |[[symbol - checkmark]][[underline]]6.5[[/underline]] .7 7.2
 |[[underline]][[symbol - checkmark]]5.7[[/underline]][[/symbol - checkmark]]^{[[^]]}[[5.9]]
 12 8 +7.8|1363|12 8.2^{[[^]]}+54^{[[^]]} 50|33|2077 3.4 28
 |[[symbol - checkmark]]+3[[/symbol - checkmark]]^{[[^]]}[[5]][[symbol - checkmark]]

95

11 34+67.5 714 11 34.4 67 33 5.3 7.2 1.0 8.2 6.0 5.5

12 5+78.3 411 12 5.0 73 15 7.3 6.8 1.7 8.5

12 5+78.4 412 12 5.4 78 26 5.1 5.8 1.7 7.5

13 9+77.9 506 13 9.4 77 58 7.6 7.4 1.7 9.1

11 12+78.2 385 11 12.8 78 11 6.8 7.4 1.7 9.1

11 32+58.8 1331 11 32.5 58 46 6.3 6.9 .7 7.6

12 23+59.2 1444 12 23.2 59 12 5.7 6.6 .7 7.3

12 33+80.0 389 12 32.8 80 1 6.7 7.2 1.9 9.1

13 25+79.4 422 13 25.8 79 23 6.0

11 27+70.1 670 11 27.6 70 8 5.2 7.1 1.2

11 22+70.1 665 11 22.8 70 9 3.3 6.5 6.8 1.2

12 27+70.6 703 12 27.2 70 35 3.3 2 35 3.8 24 +2 5.0 1.2

12 9+80.9 381 12 9.8 80 56 8.3 7.0 2.0 9.0 6.8 5.3

11 53+71.0 598 11 53.3 71 2 6.5 7.0 1.2 8.2 6.0

12 40+81.4 402 12 40.8 81 25 6.3

12 47+56.8 1027 12 47.7 56 44 2.0 2 191 1.8

12 54+54.1 1408 12 54.5 57 8 5.0

12 8 +7.8 1363 12 8.2 54 50 33 2077 3.4 28

~~checkmark~~ 5.5 .7 6.2
~~12 23 +7.8~~ ~~1444~~ ~~12 232~~ ~~+59 12~~ ~~54~~ ~~2122 5.6 17~~ ~~3.7~~ ~~3.9~~ .
~~8~~ ~~6~~ ~~7~~ ~~7.3~~ ~~5.0~~ .
~~12 56 +60.5~~ ~~1439~~ ~~12 56.7~~ ~~60~~ ~~31~~ ~~6.5~~ ~~5.3~~ .
~~checkmark~~ ~~6.8~~ ~~8~~ ~~7.6~~ ~~5.1~~ ~~5.3~~ .
~~12 27 +70.6~~ ~~703~~ ~~12 27.2~~ ~~70~~ ~~35~~ ~~33~~ ~~2135 3.8 24 +1~~ ~~5.0~~ ~~1.2 6.2~~ ~~3.7~~ ~~3.9~~ .
~~12 42 +61.1~~ ~~1320~~ ~~12 42.4~~ ~~61~~ ~~6~~ ~~6.0~~ ~~5.3~~ .
~~checkmark~~ ~~6.8~~ ~~8~~ ~~7.6~~ ~~5.1~~ ~~5.3~~ .
~~13 4 +62.9~~ ~~1056~~ ~~43 4.2~~ ~~63~~ ~~1~~ ~~6.4~~ ~~5.4~~ .
~~checkmark~~ ~~6.8~~ ~~9~~ ~~7.7~~ ~~5.2~~ ~~5.4~~ .
~~12 41+63.6~~ ~~1034~~ ~~12 41.1~~ ~~63~~ ~~34~~ ~~6.0~~ ~~5.1~~ .
~~checkmark~~ ~~6.5~~ ~~9~~ ~~7.4~~ ~~4.9~~ ~~5.1~~ .
~~12 35+ 63.5~~ ~~1026~~ ~~12 35.2~~ ~~63~~ ~~32~~ ~~6.5~~ ~~5.1~~ .
~~checkmark~~ ~~6.5~~ 9 7.4
~~4.9~~ ~~5.1~~ 9 7.4 .

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 10, 1887

Plate 546

[[8 column table]]

|v|H|Type|No. lines|K|Focus|other lines|

|7.5|10.9|I|^h|[[No.

Remarks]]|[[Strikethrough]]2|[[Strikethrough]]4|[[Strikethrough]]N|[[Strikethrough]]K=H|1|-|

|4.0|12.4|I|[[Strikethrough]]6|[[Strikethrough]]7|[[Strikethrough]]K=H|[[Strikethrough]]K=.2H|2|-|

|2.9|17.5|I|2|N|1|-|

Plate 536

[[8 column table continues]]

|22.2|12.2|I|[[Strikethrough]]?|[[Strikethrough]]I|I|2|[[Strikethrough]]N|[[Strikethrough]]K=H|1|-|

|21.5|8.7|I|3|N|1|-|

|20.5|9.2|I|[[Strikethrough]]5|[[Strikethrough]]6|N|2|-|

|20.0|18.2|I|[[Strikethrough]]5|[[Strikethrough]]6|N|2|-|

|19.4|14.1|I|[[Strikethrough]]3|[[Strikethrough]]4|[[Strikethrough]]N|[[Strikethrough]]K=H|2|-|

|19.2|15.9|I|[[Strikethrough]]5|[[Strikethrough]]6|N|2|-|

|19.0|10.6|I|[[Strikethrough]]5|[[Strikethrough]]6|[[Strikethrough]]N|[[Strikethrough]]K=.1H|3|-|

|18.6|17.2|I|[[Strikethrough]]5|[[Strikethrough]]6|[[Strikethrough]]K=H|[[Strikethrough]]K=.8H|2|-|

|18.4|23.2|I|[[Strikethrough]]4|[[Strikethrough]]5|[[Strikethrough]]N|[[Strikethrough]]K=H|2|-|

|18.0|16.6|I|[[Strikethrough]]4|[[Strikethrough]]5|[[Strikethrough]]N|[[Strikethrough]]K=H|1|-|

|18.2|14.3|I|?|[[Strikethrough]]3|[[Strikethrough]]4|[[Strikethrough]]N|[[Strikethrough]]K=H|1|-|

|[[UNKNOWN SYMBOL]]|18.0|7.2|I|I|[[Strikethrough]]2|[[Strikethrough]]3|N|N|1|1|-|

|17.0|6.4|I|[[Strikethrough]]4|[[Strikethrough]]6|N|3|-|

|17.3|19.7|I|[[Strikethrough]]I|?|[[Strikethrough]]I|^h|165|[[Strikethrough]]3|[[Strikethrough]]2|[[Strikethrough]]N|[[Strikethrough]]K=H|2|seen.|

|16.0|23.4|I|4|n|2|-|

|15.5|6.0|I|[[Strikethrough]]7|[[Strikethrough]]8|N|5|

Fseen.

|15.9|8.6|I|5|N|3|-|

|[[UNKNOWN SYMBOL]]|15.2|8.6|I|7|K=.2H|3|-|

|I|6.0, 6.3,

7.1|15.0|8.9|I|I|I|[[Strikethrough]]4|[[Strikethrough]]2|[[Strikethrough]]N|[[Strikethrough]]K=H|3|-|

|I|I|?

6.4, ^h|[[Strikethrough]]6.7|15.5|10.4|I|I|I|[[Strikethrough]]4|[[Strikethrough]]2|[[Strikethrough]]N|[[Strikethrough]]K=H|3|-|

96

January 10, 1887

Plate 546

| v | H | Type | No. lines | K | Focus | other lines |
|-----|------|------|--------------------|--------------------|----------------------|------------------------|
| 7.5 | 10.9 | I | ^h | [[No. | | |
| 4.0 | 12.4 | I | [[Strikethrough]]6 | [[Strikethrough]]7 | [[Strikethrough]]K=H | [[Strikethrough]]K=.2H |
| 2.9 | 17.5 | I | 2 | N | 1 | - |

Plate 536

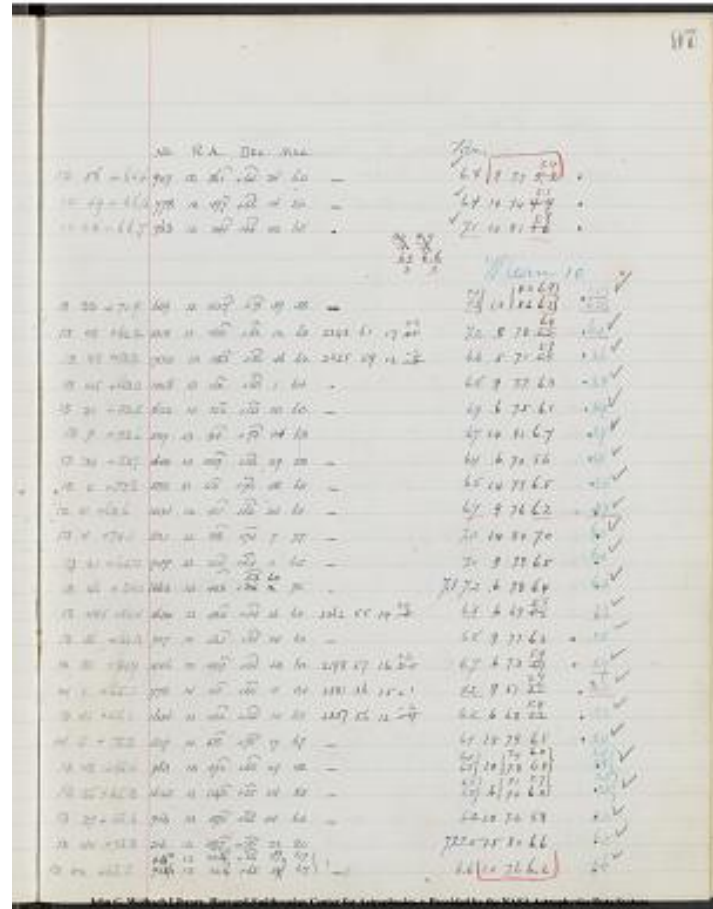
| v | H | Type | No. lines | K | Focus | other lines |
|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|------------------------|
| 22.2 | 12.2 | I | [[Strikethrough]]? | [[Strikethrough]]I | I | 2 |
| 21.5 | 8.7 | I | 3 | N | 1 | - |
| 20.5 | 9.2 | I | [[Strikethrough]]5 | [[Strikethrough]]6 | N | 2 |
| 20.0 | 18.2 | I | [[Strikethrough]]5 | [[Strikethrough]]6 | N | 2 |
| 19.4 | 14.1 | I | [[Strikethrough]]3 | [[Strikethrough]]4 | [[Strikethrough]]N | [[Strikethrough]]K=H |
| 19.2 | 15.9 | I | [[Strikethrough]]5 | [[Strikethrough]]6 | N | 2 |
| 19.0 | 10.6 | I | [[Strikethrough]]5 | [[Strikethrough]]6 | [[Strikethrough]]N | [[Strikethrough]]K=.1H |
| 18.6 | 17.2 | I | [[Strikethrough]]5 | [[Strikethrough]]6 | [[Strikethrough]]K=H | [[Strikethrough]]K=.8H |
| 18.4 | 23.2 | I | [[Strikethrough]]4 | [[Strikethrough]]5 | [[Strikethrough]]N | [[Strikethrough]]K=H |
| 18.0 | 16.6 | I | [[Strikethrough]]4 | [[Strikethrough]]5 | [[Strikethrough]]N | [[Strikethrough]]K=H |
| 18.2 | 14.3 | I | ? | [[Strikethrough]]3 | [[Strikethrough]]4 | [[Strikethrough]]N |
| [[UNKNOWN SYMBOL]] | 18.0 | 7.2 | I | I | [[Strikethrough]]2 | [[Strikethrough]]3 |
| 17.0 | 6.4 | I | [[Strikethrough]]4 | [[Strikethrough]]6 | N | 3 |
| 17.3 | 19.7 | I | [[Strikethrough]]I | ? | [[Strikethrough]]I | ^h 165 |
| 16.0 | 23.4 | I | 4 | n | 2 | - |
| 15.5 | 6.0 | I | [[Strikethrough]]7 | [[Strikethrough]]8 | N | 5 |
| 15.9 | 8.6 | I | 5 | N | 3 | - |
| [[UNKNOWN SYMBOL]] | 15.2 | 8.6 | I | 7 | K=.2H | 3 |
| I | 6.0, 6.3, | | | | | |
| 7.1 | 15.0 | 8.9 | I | I | I | [[Strikethrough]]4 |
| [[Strikethrough]]4 | [[Strikethrough]]2 | [[Strikethrough]]N | [[Strikethrough]]K=H | 3 | - | |
| I | I | ? | | | | |
| 6.4, ^h | [[Strikethrough]]6.7 | 15.5 | 10.4 | I | I | I |
| [[Strikethrough]]4 | [[Strikethrough]]2 | [[Strikethrough]]N | [[Strikethrough]]K=H | 3 | - | |

|15.1|11.0|I|~~7~~~~8~~~~[[Strikethrough]]K=.2H~~~~[[Strikethrough]]K=.1H~~~~3~~~~[[UN~~~~KNOWN SYMBOL]]~~15.8|12.0|I? I?|2 3|N N|1 1|- -|
|15.5|14.1|~~[[Strikethrough]]I~~~~[[Strikethrough]]I~~^a|166|~~[[Strikethrough]]4~~~~[[Strikethrough]]2~~|K=H|2|⁻~~[[seen]]~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

97

[No.] R.A. | Dec. | Dec. | Br. |
 12 56+64.4|927|12 56.1¹[[¹]]+64¹[[¹]] 24|6.0|[[symbol - checkmark]]6.8
 9 7.7 [[strikethrough]]5.2[[strikethrough]]¹[[5.4]]|
 12 49+66.3|778|12 49.7¹[[¹]]+66¹[[¹]] 14|5.0|[[symbol - checkmark]]6.4
 10 7.4 [[strikethrough]]4.9[[strikethrough]]¹[[5.1]]|
 12 24+66.7|763|12 24.4¹[[¹]]+66¹[[¹]] 42|6.5|[[symbol - checkmark]]7.1[[/underline]] 10 8.1
 [[strikethrough]]5.6[[strikethrough]]5.8|
 Mean 10
 13 33+71.9|659|13 33.7¹[[¹]]+71¹[[¹]]
 59|5.8|7.3[[/underline]]¹[[7.0]]1.3 8.6¹[[8.3]]
 [[underline]]6.2¹[[6.9]]6.3[[/underline]]¹[[6.0]]6.3[[/underline]]¹[[symbol - checkmark]]
 13 45+62.2|1318|13 45.0¹[[¹]]+62¹[[¹]] 12|6.0|2348 6.1
 17[[strikethrough]]+1[[strikethrough]]+3|7.0 .8 7.8
 [[strikethrough]]6.2[[strikethrough]]6.4[[underline]]6.0[[underline]]¹[[symbol - checkmark]]
 13 38+52.8|1733|13 38.3¹[[¹]]+52¹[[¹]] 46|6.2|2325 5.9
 12[[strikethrough]]-4[[strikethrough]]¹[[2]]|6.6 .5 7.1
 [[strikethrough]]5.5[[strikethrough]]¹[[5.7]]|5.6[[symbol - checkmark]]
 13 4.5+63.0|1056|13 4.2¹[[¹]]+63¹[[¹]] 1|6.4|6.8 0.9 7.7
 6.3|5.8[[symbol - checkmark]]
 13 21+53.5|1622|13 21.2¹[[¹]]+53¹[[¹]] 30|6.3|6.9 0.6 7.5
 6.1|5.9[[symbol - checkmark]]
 13 9+73.6|587|13 9.4¹[[¹]]+73¹[[¹]] 34|6.8|6.7 1.4 8.1 6.7|5.7[[symbol - checkmark]]
 13 34 +53.7|1640|13 33.9¹[[¹]]+53¹[[¹]] 39|5.8|6.4 .6 7.0
 5.6|5.4[[symbol - checkmark]]
 13 0 +73.8|583|13 0.3¹[[¹]]+73¹[[¹]] 48|6.0|6.5 1.4 7.9 6.5|5.5[[symbol - checkmark]]
 12 41 +63.6|1034|12 41.1¹[[¹]]+63¹[[¹]]
 34|6.0|6.7[[/underline]]¹[[5.7]]5.7[[/underline]]¹[[symbol - checkmark]]
 13 4 +74.1|521|13 3.8¹[[¹]]+74¹[[¹]] 7|7.7|7.0 1.4 8.4 7.0|6.0[[symbol - checkmark]]
 13 21 +64.0 949|13 21.0¹[[¹]]+64¹[[¹]] 0|6.5|7.0 .9 7.9 6.5|6.0[[symbol - checkmark]]
 13 46 +54.0|1663|13
 45.6¹[[¹]]¹[[strikethrough]]¹[[53]]
 [[strikethrough]]0[[strikethrough]]¹[[60]]7.5|7.1 7.2 .6 7.8
 6.4|6.2[[symbol - checkmark]]
 13 48.5 +54.4|1630|13 48.5¹[[¹]]+54¹[[¹]] 26|6.0|2362 5.5 14
 [[strikethrough]]-2[[strikethrough]]¹[[+0]]6.3[[/underline]] .6
 6.9
 [[strikethrough]]5.3[[strikethrough]]¹[[5.5]]5.5[[/underline]]¹[[symbol - checkmark]]
 12 56 +64.3|927|12 56.1¹[[¹]]+64¹[[¹]] 24|6.0|6.8 .9 7.7
 6.3|5.8[[symbol - checkmark]]
 12 50 +54.9|1556|12 49.9¹[[¹]]+54¹[[¹]] 53|6.2|2198 5.7 16
 [[strikethrough]]+0[[strikethrough]]¹[[+2]]6.7[[/underline]] .6
 7.3
 [[strikethrough]]5.7[[strikethrough]]¹[[5.9]]5.9[[/underline]]¹[[symbol - checkmark]]
 14 1 +65.1|978|14 0.4¹[[¹]]+65¹[[¹]] 4|3.4|2381 3.6 15
 +1[[underline]]4.2[[/underline]] .9 5.1
 [[strikethrough]]3.5[[strikethrough]]¹[[3.7]]3.7[[/underline]]¹[[symbol - checkmark]]
 13 41 +55.1|1634|13 41.2¹[[¹]]+55¹[[¹]] 10|6.5|2337 5.6 12
 [[strikethrough]]-4[[strikethrough]]¹[[2]]|6.2 .6 6.8



~~5.2~~^{5.4}.5.2[~~symbol - checkmark~~]
 14 5 +75.3|529|14 5.8[^]]+75[^] 17|6.7|_6.4 1.5 7.9 6.5|.5.4[~~symbol - checkmark~~]
 13 48 +65.4|963|13 47.2[^]]+65[^] 27|4.8|_6.8[^][[6.4]] 1.0}
 7.8[^][[7.4]]} 6.4[^][[6.0]]}5.8[^][[5.4]]}[~~symbol - checkmark~~]
 13 35 +55.3|1625|13 35.3[^]]+55[^] 24|5.5|_6.8[^][[6.5]]}
 .6}7.4[^][[7.1]]} 6.0[^][[5.7]]}.5.8[^][[5.5]]}[~~symbol - checkmark~~]
 13 37 +65.5|953|13 37.0[^]]+65[^] 34|6.0|_6.2 1.0 7.2
 5.8|.5.2[~~symbol - checkmark~~]
 13 40 +75.3|516|13 39.7[^]]+75[^] 22|8.0| |7.2 7.5 1.5 8.0
 6.6|6.5[~~symbol - checkmark~~]
 13 22
 +65.5|93[[~~symbol - checkmark~~]]6[^][[93[[~~symbol - checkmark~~]]6[[~~symbol - checkmark~~]]5]]|13[^][[13]]
 22. [[~~symbol - checkmark~~]]2[[~~symbol - checkmark~~]]3[^][[22. [[~~symbol - checkmark~~]]3[[~~symbol - checkmark~~]]2[^][[~~symbol - checkmark~~]]]+65[^][[+65[^][[~~symbol - checkmark~~]]]]
 2[[~~symbol - checkmark~~]]9[[~~symbol - checkmark~~]]7[^][[29]]|6.7[^][[6.7]]|[[?]]_6.6
 [[1.0 7.6 6.2]]|5.6[~~symbol - checkmark~~]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 10, 1887.

Plate 536.

[[7 Columned Table]]

|V|H|Type|No. lines|K|Focus|Other lines|

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

15.0|14.9||10|[[\strikethrough]]K=.5H[[\strikethrough]]K=.4H|4|?

15.1|15.3||11|N|5|?

14.2|10.9||5|N|2|-|

14.2|12.3||6|N|3|-|

13.5|11.0||4|[[\strikethrough]]N[[\strikethrough]]K=H|1|-|

13.6|17.4|[[\strikethrough]]?[[\strikethrough]]|[[\strikethrough]]4|[[\strikethrough]]2|[[\strikethrough]]N[[\strikethrough]]K=H|2|

14.2|23.4|[[\strikethrough]]|[[\strikethrough]]|[[\strikethrough]]3|[[\strikethrough]]2|[[\strikethrough]]N[[\strikethrough]]K=H|-|?

13.8|23.9|[[\strikethrough]]|?[[\strikethrough]]|

167|[[\strikethrough]]3|[[\strikethrough]]2|[[\strikethrough]]N[[\strikethrough]]K=H|K=H|1|?

13.5|20.6||[[\strikethrough]]4|[[\strikethrough]]8|K=8H|3|[[?]]

13.3|22.5||6|N|3|

13.5|11.1||?|?|3|4|N|?|K=H|1|1|

13.2|13.0||4|[[\strikethrough]]N[[\strikethrough]]K=H|1|-|

12.9|13.1|[[\strikethrough]]?[[\strikethrough]]|[[\strikethrough]]1|

[[\strikethrough]]2|[[\strikethrough]]N[[\strikethrough]]K=H|1|-|

13.0|9.2||a|[[\strikethrough]]?[[\strikethrough]]168|[[\strikethrough]]3|

[[\strikethrough]]2|[[\strikethrough]]?[[\strikethrough]]K=H|1|-|

12.5|6.4||lc 169|7|[[\strikethrough]]2|K=H|[[\strikethrough]]

K=1.2H|3|

12.5|23.6||7|N|5|

11.8|21.6||[[\strikethrough]]|170|6|[[\strikethrough]]2|K=H|3|

11.5|19.4||[[\strikethrough]]3|N|[[\strikethrough]]K=H|1|

11.2|12.3||6|[[\strikethrough]]7|K=H|[[\strikethrough]]K=.8H|2|-|

10.5|9.5||[[\strikethrough]]3|4|[[\strikethrough]]N|K=H|

[[\strikethrough]]1|1|-|

10.5|10.4||5|[[\strikethrough]]7|K=.8H?|[[\strikethrough]]K=.5H|2|-|

10.5|15.4||4|N|1|-|

9.5|9.3||lc. 171|5|[[\strikethrough]]2|?|[[\strikethrough]]K=1.2H|2|seen|

9.5|22.9||a|172|1|[[\strikethrough]]2|N|[[\strikethrough]]K=H|1|seen|

8.9|12.2||lc. 173|4|[[\strikethrough]]2|K=H|2|seen|

8.8|21.9||4|N|2|-|

8.5|21.7||7|[[\strikethrough]]8|K=.2H|3|-|

8.1|16.0||7|N|2|-|

98

January 10, 1887.

Plate 536

| V | H | Type | No. lines | K | Focus | Other lines |
|------|------|------|---------------------------------------|--|-----------------------|--|
| 15.0 | 14.9 | | 10 | [[\strikethrough]]K=.5H[[\strikethrough]]K=.4H | 4 | ? |
| 15.1 | 15.3 | | 11 | N | 5 | ? |
| 14.2 | 10.9 | | 5 | N | 2 | - |
| 14.2 | 12.3 | | 6 | N | 3 | - |
| 13.5 | 11.0 | | 4 | [[\strikethrough]]N[[\strikethrough]]K=H | 1 | - |
| 13.6 | 17.4 | | [[\strikethrough]]?[[\strikethrough]] | [[\strikethrough]]4 | [[\strikethrough]]2 | [[\strikethrough]]N[[\strikethrough]]K=H |
| 14.2 | 23.4 | | [[\strikethrough]] | [[\strikethrough]] | [[\strikethrough]]3 | [[\strikethrough]]2 |
| 13.8 | 23.9 | | [[\strikethrough]] | ? | [[\strikethrough]] | |
| 167 | | | [[\strikethrough]]3 | [[\strikethrough]]2 | [[\strikethrough]]N | [[\strikethrough]]K=H |
| 13.5 | 20.6 | | [[\strikethrough]]4 | [[\strikethrough]]8 | K=8H | 3 |
| 13.3 | 22.5 | | 6 | N | 3 | |
| 13.5 | 11.1 | | ? | ? | 3 | 4 |
| 13.2 | 13.0 | | 4 | [[\strikethrough]]N[[\strikethrough]]K=H | 1 | - |
| 12.9 | 13.1 | | [[\strikethrough]]?[[\strikethrough]] | [[\strikethrough]]1 | | |
| 13.0 | 9.2 | | a | [[\strikethrough]]?[[\strikethrough]]168 | [[\strikethrough]]3 | |
| 12.5 | 6.4 | | lc 169 | 7 | [[\strikethrough]]2 | K=H |
| 12.5 | 23.6 | | 7 | N | 5 | |
| 11.8 | 21.6 | | [[\strikethrough]] | 170 | 6 | [[\strikethrough]]2 |
| 11.5 | 19.4 | | [[\strikethrough]]3 | N | [[\strikethrough]]K=H | 1 |
| 11.2 | 12.3 | | 6 | [[\strikethrough]]7 | K=H | [[\strikethrough]]K=.8H |
| 10.5 | 9.5 | | [[\strikethrough]]3 | 4 | [[\strikethrough]]N | K=H |
| 10.5 | 10.4 | | 5 | [[\strikethrough]]7 | K=.8H? | [[\strikethrough]]K=.5H |
| 10.5 | 15.4 | | 4 | N | 1 | - |
| 9.5 | 9.3 | | lc. 171 | 5 | [[\strikethrough]]2 | ? [[\strikethrough]]K=1.2H |
| 9.5 | 22.9 | | a | 172 | 1 | [[\strikethrough]]2 |
| 8.9 | 12.2 | | lc. 173 | 4 | [[\strikethrough]]2 | K=H |
| 8.8 | 21.9 | | 4 | N | 2 | - |
| 8.5 | 21.7 | | 7 | [[\strikethrough]]8 | K=.2H | 3 |
| 8.1 | 16.0 | | 7 | N | 2 | - |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 10

[[two column]]
[No.|R. A.|Dec.|Mag|BN

13 19 +55.7|1603|13 19.4^{[[^]]}+55^{[[^]]} 44|5.0|5.5 .6 6.1 4.7|. 4.5[[symbol - checkmark]]

13 18 +55.7|1598|13 18.1^{[[^]]}+55^{[[^]]} 41|2.0|2265^{[[2264]]} 2.4 (2.6 ~~[[/del]]~~+10~~[[/del]]~~^{[[+12]]})|4.4 .6 5.0 ~~[[/del]]~~3.4~~[[/del]]~~^{[[3.8]]}. 3.4[[symbol - checkmark]]

13 38 +66.0|816|13 37.6^{[[^]]}+66^{[[^]]} 1|7.5| 6.5 1.0 7.5 6.1|. 5.5[[symbol - checkmark]]

13 28.8 +56.1|1667|13 28.6^{[[^]]}+56^{[[^]]} 6|6.0|2298 5.5 9 ~~[[/del]]~~-7~~[[/del]]~~^{[[5]]}|5.8 .6 6.4 ~~[[/del]]~~4.8~~[[/del]]~~^{[[5.0]]}. 4.8[[symbol - checkmark]]

13 48 +76.3|502|13 48.0^{[[^]]}+78^{[[^]]} 17|7.0|7.1 1.6 8.7 7.3|. 6.1[[symbol - checkmark]]

12 54 +76.3|473|12 54.5^{[[^]]}+76^{[[^]]} 15|6.0|7.0^{[[6.7]]}|1.6|7.6^{[[8.3]]} 6.2^{[[6.9]]}. 6.0^{[[5.7]]}[[symbol - checkmark]]

12 49 +55.8|1564|12 49.3^{[[^]]}+55^{[[^]]} 45|7.7|7.0 7.0 .6 7.6 6.2^{[[6.2]]}. 6.0^{[[6.0]]}[[symbol - checkmark]]

12 3 +75.5|469|12 2.7^{[[^]]}+7^{[[^]]} 5 28|6.7|6.8 6.8 1.5 8.3 6.9^{[[6.9]]}. 5.8^{[[5.8]]}[[symbol - checkmark]]

12 50 +66.2|778|12 49.7^{[[^]]}+66^{[[^]]} 14|5.0|6.0 1.0 7.0 5.6|. 5.0[[symbol - checkmark]]

12 12 +75.9|470|12 12.3^{[[^]]}+75^{[[^]]} 59|58|2084 5.4 19 ~~[[/del]]~~+3~~[[/del]]~~^{[[5]]}|5.8 1.5 7.3 ~~[[/del]]~~5.7~~[[/del]]~~^{[[5.9]]}. 4.8[[symbol - checkmark]]

13 45 +76.3|500|~~[[/del]]~~12~~[[/del]]~~^{[[13]]} 45.9^{[[^]]}+76^{[[^]]} 17|7.5| 7.1 7.3 1.6 8.9 7.5|. 6.3[[symbol - checkmark]]

13 32 +76.6|492|13 31.9^{[[^]]}+76^{[[^]]} 31|7.0|7.0 1.6 8.6 7.2|. 6.0[[symbol - checkmark]]

13 31 +76.8|49[[/del]]0~~[[/del]]~~^{[[1]]} 30.5^{[[^]]}+76^{[[^]]} 49|6.7|7.1 1.6 8.7 7.3|. 6.1[[symbol - checkmark]]

Mean 10

| No. | R. A. | Dec. | Mag | BN |
|---------|-------|------|--|--|
| 13 19 | +55.7 | 1603 | 13 19.4 ^{[[^]]} | +55 ^{[[^]]} 44 5.0 5.5 .6 6.1 4.7 . 4.5[[symbol - checkmark]] |
| 13 18 | +55.7 | 1598 | 13 18.1 ^{[[^]]} | +55 ^{[[^]]} 41 2.0 2265 ^{[[2264]]} 2.4 (2.6 [[/del]] +10 [[/del]] ^{[[+12]]}) 4.4 .6 5.0 [[/del]] 3.4 [[/del]] ^{[[3.8]]} . 3.4[[symbol - checkmark]] |
| 13 38 | +66.0 | 816 | 13 37.6 ^{[[^]]} | +66 ^{[[^]]} 1 7.5 6.5 1.0 7.5 6.1 . 5.5[[symbol - checkmark]] |
| 13 28.8 | +56.1 | 1667 | 13 28.6 ^{[[^]]} | +56 ^{[[^]]} 6 6.0 2298 5.5 9 [[/del]] -7 [[/del]] ^{[[5]]} 5.8 .6 6.4 [[/del]] 4.8 [[/del]] ^{[[5.0]]} . 4.8[[symbol - checkmark]] |
| 13 48 | +76.3 | 502 | 13 48.0 ^{[[^]]} | +78 ^{[[^]]} 17 7.0 7.1 1.6 8.7 7.3 . 6.1[[symbol - checkmark]] |
| 12 54 | +76.3 | 473 | 12 54.5 ^{[[^]]} | +76 ^{[[^]]} 15 6.0 7.0 ^{[[6.7]]} 1.6 7.6 ^{[[8.3]]} 6.2 ^{[[6.9]]} . 6.0 ^{[[5.7]]} [[symbol - checkmark]] |
| 12 49 | +55.8 | 1564 | 12 49.3 ^{[[^]]} | +55 ^{[[^]]} 45 7.7 <u>7.0</u> 7.0 .6 7.6 <u>6.2</u> ^{[[6.2]]} . <u>6.0</u> ^{[[6.0]]} [[symbol - checkmark]] |
| 12 3 | +75.5 | 469 | 12 2.7 ^{[[^]]} | +7 ^{[[^]]} 5 28 6.7 <u>6.8</u> 6.8 1.5 8.3 <u>6.9</u> ^{[[6.9]]} . <u>5.8</u> ^{[[5.8]]} [[symbol - checkmark]] |
| 12 50 | +66.2 | 778 | 12 49.7 ^{[[^]]} | +66 ^{[[^]]} 14 5.0 6.0 1.0 7.0 5.6 . 5.0[[symbol - checkmark]] |
| 12 12 | +75.9 | 470 | 12 12.3 ^{[[^]]} | +75 ^{[[^]]} 59 58 2084 5.4 19 [[/del]] +3 [[/del]] ^{[[5]]} 5.8 1.5 7.3 [[/del]] 5.7 [[/del]] ^{[[5.9]]} . 4.8[[symbol - checkmark]] |
| 13 45 | +76.3 | 500 | [[/del]] 12 [[/del]] ^{[[13]]} | 45.9 ^{[[^]]} +76 ^{[[^]]} 17 7.5 7.1 7.3 1.6 8.9 7.5 . 6.3[[symbol - checkmark]] |
| 13 32 | +76.6 | 492 | 13 31.9 ^{[[^]]} | +76 ^{[[^]]} 31 7.0 7.0 1.6 8.6 7.2 . 6.0[[symbol - checkmark]] |
| 13 31 | +76.8 | 49 | [[/del]] 0 [[/del]] ^{[[1]]} | 30.5 ^{[[^]]} +76 ^{[[^]]} 49 6.7 7.1 1.6 8.7 7.3 . 6.1[[symbol - checkmark]] |

Mean 11

13 40 +56.7|1683|13 39.9^{[[^]]}+56^{[[^]]} 38|7.0|7.0 .6 7.6 6.2 .
6.0[[symbol - checkmark]]

14 28 +76.4|527|14 27.8^{[[^]]}+78^{[[^]]}
21|5.0|6.1^{[[/underline]]}^{[[[[[underline]]5.7[[/underline]]]]]} 1.6}
7.7^{[[7.3]]} 6.3^{[[/underline]]}^{[[[[[underline]]5.9[[/underline]]]]]}.
[[underline]]5.1[[/underline]]^{[[[[[underline]]4.7[[/underline]]]]]}[[symbol -
checkmark]]

12 47 +56.8|1627|12 47.7^{[[^]]}+56^{[[^]]} 44|2.0|2191 1.8 (29
[[strikethrough]]+13[[/strikethrough]]^{[[+15]]}[[underline]]4.0[[/underline]]
.7 4.7
[[strikethrough]]3.1[[/strikethrough]]^{[[[[[underline]]3.3[[/underline]]]]]}.
[[underline]]3.0[[/underline]][[symbol - checkmark]]

12 54.5 +57.2|1408|12 54.5^{[[^]]}+57^{[[^]]} 8|5.0|6.4 .7 7.1 5.7|. 5.4[[symbol - checkmark]]

12 54 +67.4|773|12 54.4^{[[^]]}+67^{[[^]]} 23|5.8|7.0^{[[6.8]]} 1.0}
8.0^{[[7.8]]} 6.6^{[[6.4]]}. 6.0^{[[5.8]]}[[symbol - checkmark]]

13 40 +77.6|519|13 39.3^{[[^]]}+77^{[[^]]} 34|6.2|6.5 1.7 8.2 6.8|. 5.5[[symbol - checkmark]]

14 5 +77.7|529|14 5.4^{[[^]]}+77^{[[^]]}
40|7.8|. [[strikethrough]]6[[/strikethrough]]97.0 1.7 8.7 7.3|. 6.0[[symbol -
checkmark]]

13 35 +57.9|1456|13 35.1^{[[^]]}+57^{[[^]]} 56|6.1|6.5 .7 7.2 5.8|. 5.5[[symbol - checkmark]]

13 9 +77.9|506|13 9.4^{[[^]]}+77^{[[^]]} 58|7.6|.6.9 1.7 8.6 7.2|. 5.9[[symbol - checkmark]]

14 10 +78.3|478|14 9.5|+78 14|5.0|6.5^{[[6.2]]} 1.7} 8.2^{[[7.9]]}
6.8^{[[6.5]]}. 5.5^{[[5.2]]}[[symbol - checkmark]]

11 57 +77.8|461|11 57.9|+77 43|5.8|7.1^{[[6.8]]} 1.7} 8.8^{[[8.5]]}
7.4^{[[7.1]]}. 6.1^{[[5.8]]}[[symbol - checkmark]]

13 42 +78.8|466|13 42.1|+78 47|5.8|6.8^{[[6.5]]} 1.8} 8.6^{[[8.3]]}
7.2^{[[6.9]]}. 5.8^{[[5.5]]}[[symbol - checkmark]]

12 5 +78.2|411|12 5.0|+78 15|7.3|.6.8 1.7 8.5 7.1|. 5.8[[symbol -
checkmark]]

12 6 +78.4|412|12 5.4|+78 26|5.1|5.5 1.7 7.2
[[strikethrough]]6[[/strikethrough]]^{[[5.8]]}. 4.5[[symbol - checkmark]]

13 11.5 +692|694|13 11.7|+69 10|6.0|2250 6.1 10 [[strikethrough]]-
6[[/strikethrough]]^{[[[-4]]]}6.0 1.1 7.1
[[strikethrough]]5.5[[/strikethrough]]^{[[5.7]]}[[underline]]. 5.0[[symbol -
checkmark]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 10, 1887.
Plate 536.

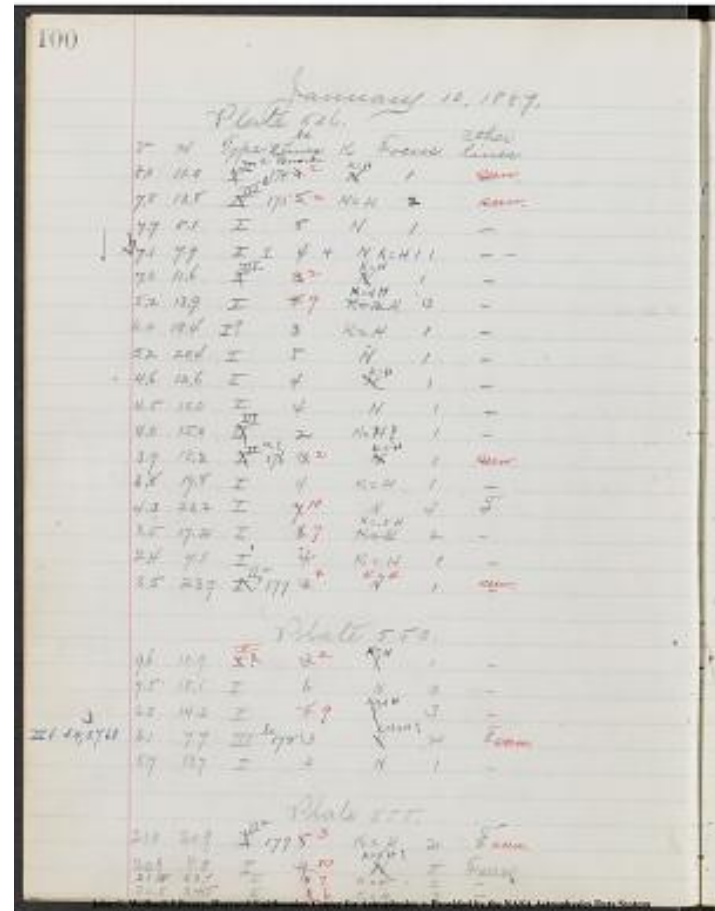
[V|H|Type|No. Remarks.|No. Lines|K|Focus|Other Lines.]
[8.0|11.0|[[~~174~~]]|[[~~174~~]]|a|174|[[~~174~~]]|3|[[~~174~~]]|
kethrough]]2|[[~~174~~]]|N|[[~~174~~]]|K=H|1|seen.]
[7.8|13.8|[[~~175~~]]|[[~~175~~]]|b|175|[[~~175~~]]|5|[[~~175~~]]|
kethrough]]2|K=H|2|seen.
[7.7|8.1|I|5|N|1|-|
[7.1|7.9|I|4|4|N|K=H|1|1|-|
[7.0|11.6|[[~~176~~]]|[[~~176~~]]|III|[[~~176~~]]|3|[[~~176~~]]|
ugh]]2|[[~~176~~]]|N|[[~~176~~]]|K=H|1|-|
[5.2|13.9|[[~~177~~]]|[[~~177~~]]|9|[[~~177~~]]|K=.1H|[[~~177~~]]|
kethrough]]3|-|
[6.0|18.4|I|3|K=H|1|-|
[5.2|20.4|I|5|N|1|-|
[4.6|12.6|I|4|[[~~178~~]]|N|[[~~178~~]]|K=H|1|-|
[4.5|10.0|I|4|N|1|-|
[4.0|15.0|[[~~179~~]]|[[~~179~~]]|III|2|K=H.P|1|-|
[3.9|18.2|[[~~180~~]]|[[~~180~~]]|II^a?
176|[[~~180~~]]|3|[[~~180~~]]|2|[[~~180~~]]|N|[[~~180~~]]|
K=H|1|seen|
[3.8|19.8|I|4|K=H|1|-|
[4.3|23.2|I|[[~~181~~]]|7|[[~~181~~]]|10|N|4|F|
[3.5|17.2|I|[[~~182~~]]|6|[[~~182~~]]|7|[[~~182~~]]|K=H|[[~~182~~]]|
ethrough]]K=.5H|2|-|
[2.4|7.1|I|4|K=H|1|-|
[3.5|23.7|[[~~183~~]]|I|[[~~183~~]]|^IIa
177|[[~~183~~]]|3|[[~~183~~]]|7|N|K=H|1|seen|

Plate 550.

[9.6|10.9|[[~~184~~]]|I|[[~~184~~]]|III|[[~~184~~]]|3|[[~~184~~]]|
ough]]2|[[~~184~~]]|?|[[~~184~~]]|K=H|1|-|
[7.5|18.1|I|6|N|3|-|
[6.3|14.3|I|[[~~185~~]]|8|[[~~185~~]]|9|[[~~185~~]]|?|[[~~185~~]]|
ough]]K=.1H|3|-|
[[left margin]]I|? 5.4.5.7.6.8|[[left margin]]
[6.1|7.7|III bc. 178|3|[[~~186~~]]|N|[[~~186~~]]|K=1.2H?|20|F.
seen|
[5.7|13.7|I|3|N|1|-|

Plate 555.

[21.0|20.9|[[~~187~~]]|I|[[~~187~~]]|IIa
179|[[~~187~~]]|5|[[~~187~~]]|3|K=H|2|F seen.]
[20.9|8.5|I|[[~~188~~]]|9|[[~~188~~]]|10|[[~~188~~]]|N|[[~~188~~]]|
hrough]]K=.5H?|5|F. seen|
[21.8|23.7|I|[[~~189~~]]|9|[[~~189~~]]|7|K=H|2|-|
[20.8|24.5|I|[[~~190~~]]|9|[[~~190~~]]|6|3|-|



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 10

[[10 columned table]]
 | | NO. | R.A. | DEC. | MAG. | | Br. | | |
 ---|---|---|---|---|---|---|---|---|
 13 56 +79.1 | 433 | 13 55.4^{[[]]} | +79^{[[]]} 6 | 7.7 | -- | 7.0 | 1.6 8.6 7.2 |
 6.0 ☐ |
 13 25 +79.4 | 422 | 13 25.8^{[[]]} | +79^{[[]]} 23 | 6.0 | -- | ^{[[6.1]]} 6.4 |
 1.8 ^{[[7.9 6.5]]} 8.2 6.8 | ^{[[5.1]]} 5.4 ☐ |
 13 45.5 +59.2 | 1533 | 13 45.5^{[[]]} | +59^{[[]]} 15 | 6.5 | 2350 6.3 12
~~4~~ ~~[[]]~~ ^{[[]]} ^{[[]]} 6.8 | .7 7.5 59
5.8 ☐ |
 13 58 +69.4 | 733 | 13 58.7^{[[]]} | +69^{[[]]} 23 | 6.3 | . | 6.7 7.0 | 1.1 8.1
 6.7 | 6.0 ☐ |
 13 50 +79.8 | 431 | 13 50.6^{[[]]} | +79^{[[]]} 43 | 6.6 | -- | ^{[[6.8]]} 7.1 |
 1.9 ^{[[7.7 6.3]]} 9.0 7.6 | ^{[[5.8]]} 6.1 ☐ |
 1323 | +60.7 | 1461 | 13 23.1^{[[]]} | +60^{[[]]} 43 | 5.3 | -- | 5.8 | .8 6.6 5.2
 4.8 ☐ |
 12 33 +80.0 | 389 | 12 32.8^{[[]]} | +80^{[[]]} 1 | 6.7 | -- | 7.0 | 1.9 8.9 7.5
 . 6.0 ☐ |
 12 57 +60.6 | 1439 | 12 56.7^{[[]]} | +60^{[[]]} 31 | 6.5 | . | 6.8 | .8 7.6 6.2
 . 5.8 ☐ |
 13 ~~43~~ ~~[[]]~~ ^{[[31]]} | ~~421~~ ~~[[]]~~ ^{[[]]} +80
~~9~~ ~~[[]]~~ ^{[[]]} 421 ~~[[]]~~ ^{[[747]]} |
~~13 42.6~~ ~~[[]]~~ ^{[[13 31.2^{[[]]}]]} |
~~80 58~~ ~~[[]]~~ ^{[[]]} ^{[[]]} 51 |
~~7.1~~ ~~[[]]~~ ^{[[]]} -- | 7.1 | 2.0 9.1 7.7 | 6.1
☐ |
 13 39 +60.9 | 1485 | 13 38.9^{[[]]} | +60^{[[]]} 53 | 6.5 | . | 7.3 | .8 8.1 6.7
 6.3 ☐ |
 13 11 +81.3 | 446 | 13 11.2^{[[]]} | 81^{[[]]} 14 | 6.3 | -- | ^{[[6.5]]} 6.8 |
 2.0 ^{[[8.5 7.1]]} 8.8 7.4 | ^{[[5.5]]} 5.8 ☐ |
 12 30 +81.0 | 400 | 12 29.7^{[[]]} | +81^{[[]]} 3 | 6.8 | -- | 6.9 | 2.0 8.9 7.5
 . 5.9 ☐ |
 12 10 +80.9 | ^{[[380]]} 381 | 12 9.8^{[[]]} | +80^{[[]]} 56 | ^{[[8.4]]} 8.3 | ? | -
 - | 6.7 | 2.0 8.7 7.3 | 5.7 ☐ |
 12 27 +70.6 | 703 | 12 27.2^{[[]]} | +70^{[[]]} 35 | 3.3 | 2135 3.8 15 +1 |
4.1 [[]] | 1.2 5.3 ~~3.7~~
~~3.9~~ ~~[[]]~~ ^{[[]]} 3.1 [[]] ☐ |
 12 40.3 | +81.4 | 402 | 12 40.8^{[[]]} | +81^{[[]]} 25 | 6.3 | -- | 6.2 | 2.1 8.3
 6.9 | 5.2 ☐ |
 14 56 +81.3 | 495 | 14 57.2^{[[]]} | +81^{[[]]} 20 | 6.8 | -- |
~~7.0~~ ~~[[]]~~ 7.0 ~~[[]]~~ | 2.1
 9.1 ~~[[]]~~ 7.7 ~~[[]]~~ ☐ |
☐ |
 12 42 +61.1 | 1320 | 12 42.4^{[[]]} | +61^{[[]]} 6 | 6.0 | -- | [[]]
 6.9 [[]] | .8 7.7 6.3 | 5.9 [[]] ☐ |
~~[[]]~~ ~~[[]]~~ ~~[[]]~~ |
~~[[]]~~ ~~[[]]~~ |
 15 0 +83.1 | 431 | 15 0.4^{[[]]} | +83^{[[]]} 6 | 6.0 | _ | ☐ |
 7.0 | 2.3 9.3 ~~6.2~~ ~~[[]]~~ ^{[[]]} 5.7 |
 12 47 +84.3 | 290^{[[]]} 12^{[[]]} 48.1^{[[]]} | +84^{[[]]} +84^{[[]]} |
 12^{[[]]} 5.5^{[[]]} 2189 5.0 36^{[[]]} 0 ☐ 6.1 2.5 8.6
 5.0 |
 14 0 +65.0 | 978 | 14 0.4^{[[]]} | +65^{[[]]} 4 | 3.4 | _ | ☐ 5.8 .9
 6.7 3.1 |

14 51 +74.8|595|14 +51.2^{[[^]]}+74^{[[^]]} 45|2.1|_[[symbol -
 checkmark]]6.0^{[[5.7]]} 1.4} 7.4^{[[7.1]]} 3.8^{[[3.5]]}}.
 14 6 +75.3|529|14 5.8^{[[^]]}+75^{[[^]]} 17|6.7|.|[[symbol - checkmark]]7.3
 [[underline]]1.5 8.8 5.2[[/underline]].
 Mean 13
 14 20 +52.5|1804|14 20.3^{[[^]]}+52 31|4.0|_[[underline]]6.0[[/underline]]
 .5 6.5
 [[underline]]4.8[[/underline]]|[[underline]]4.7[[/underline]].<sup>[[[[symbol -
 checkmark]]]]</sup>

15 20 +72.3|679|15 21.0^{[[^]]}+72 20|2.8|_4.4 1.3 5.7 4.0|3.1.<sup>[[[[symbol
 - checkmark]]]]</sup>

14 11 +52.0|1784|14 11.0 1^{[[^]]}+52 2|4.5|_[[underline]]6.4 .5 6.9
 5.2|5.1[[/underline]].^{[[[[symbol - checkmark]]]]}

14 8 +52.5|1782|8^{[[14]]} 7.5^{[[8.3]]}+52 27|4.5|_[[underline]]6.2 .5 6.7
 5.0|4.9[[/underline]].^{[[[[symbol - checkmark]]]]}

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 10, 1887.

Plate 555

V | H | Type | No. Remarks. | No. Lines | K | Focus | Other Lines

18.8 | 13.3 | I | | ~~2~~ | ~~4~~ | ~~1~~ |N | ~~1~~ | ~~1~~ | K=H | 1 | -17.1 | 16.7 | I | | ~~5~~ | ~~6~~ | N | 2 | -17.0 | 11.2 | ~~I~~ | ~~?~~ | ~~1~~ | ~~2~~ | ~~1~~ |~~I~~ | ~~?~~ | | ~~2~~ | ~~4~~ |~~N~~ | ~~1~~ | ~~1~~ | K=H | 1 | -16.8 | 13.3 | III | bc. 180 | ~~7~~ | ~~3~~ |~~N~~ | ~~1~~ | ~~1~~ | K=H | ~~1.5~~ H | 5 | F seen.16.0 | 8.5 | ~~I~~ | ~~?~~ | ~~3~~ | ~~4~~ | ~~1~~ |~~N~~ | ~~1~~ | ~~1~~ | K=H | 1 | -15.5 | 19.0 | I | | ~~4~~ | ~~5~~ | ~~1~~ |N | ~~1~~ | ~~1~~ | K=.5 H | 2 | -15.6 | 23.1 | I | | ~~6~~ | ~~10~~ | N | 5 | F. seen.15.0 | 22.2 | I | | ~~3~~ | ~~5~~ | ~~1~~ |N | ~~1~~ | ~~1~~ | K=H | 1 | -13.5 | 16.2 | III | bc. 181 | ~~4~~ | ~~2~~ |~~N~~ | ~~1~~ | ~~1~~ | ~~?~~ | ~~1.5~~ H | 3 | B. Seen.

13.3 | 10.4 | I | | 6 | N | 1 | -

13.4 | 11.7 | ~~I~~ | ~~?~~ | ~~III~~ | | ~~1~~ |~~2~~ | ~~1~~ | ~~1~~ | N | ~~1~~ | ~~1~~ |10.3 | 8.5 | ~~I~~ | ~~?~~ | ~~IIa~~ | 182 | ~~1~~ |5 | ~~2~~ | ~~1~~ | ~~?~~ | ~~1~~ | ~~1~~ |10.0 | 8.9 | III | | 2 | ~~1~~ | ~~1~~ |9.5 | 9.4 | I | | ~~4~~ | ~~5~~ | K=H | 1 | -

9.3 | 19.0 | I | | 3 | N | 1 | -

8.9 | 7.7 | I | | ~~7~~ | ~~8~~ | N | 5 | F. seen.7.1 | 8.8 | I | | ~~3~~ | ~~4~~ | ~~1~~ |~~N~~ | ~~1~~ | ~~1~~ | K=H | 1 | -^[[III ? 6.8, 7.0] 6.8 | 12.9 | III | | ~~1~~ | ~~2~~ |~~N~~ | ~~1~~ | ~~1~~ | K=H | 1 | -6.5 | 21.4 | ~~II~~ | ~~III~~ | | 2 | ~~1~~ |N | ~~1~~ | ~~1~~ | K=H | 1 | -4.7 | 17.8 | I | | ~~3~~ | ~~4~~ | ~~1~~ |~~N~~ | ~~1~~ | ~~1~~ | K=H | 1 | -

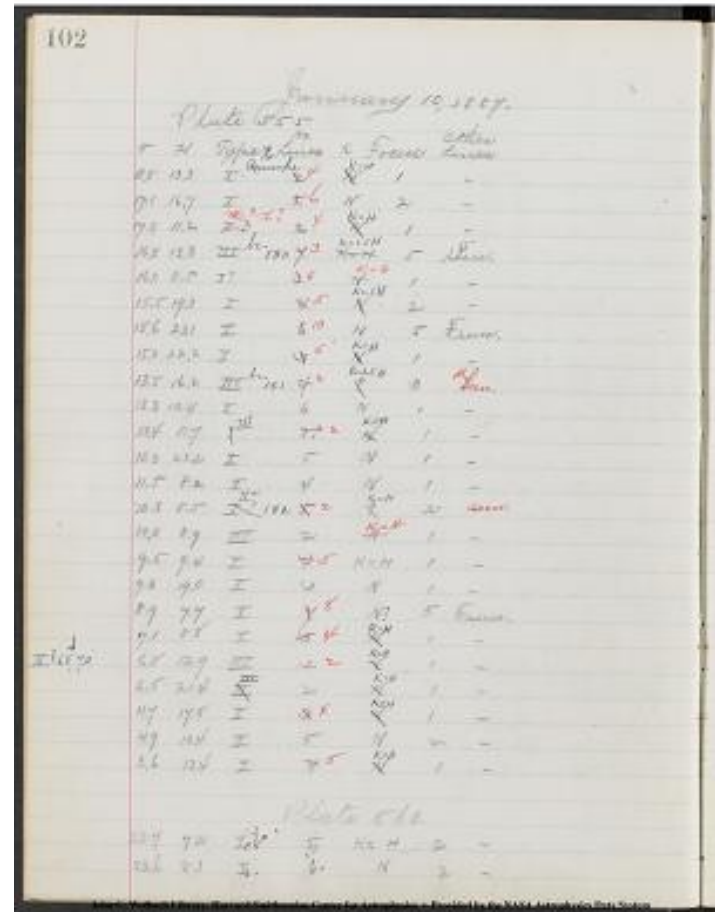
4.9 | 10.4 | I | | 5 | N | 2 | -

3.6 | 13.6 | I | | ~~4~~ | ~~5~~ | ~~1~~ |~~N~~ | ~~1~~ | ~~1~~ | K=H | 1 | -

Plate 560

22.7 | 7.2 | ~~I~~ | | 5 | K=H | 2 | -

22.6 | 8.1 | I | | 6 | N | 2 | -



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 13

[No. | R. A. | Dec. | MAG. | Br.]
 14 50+73.6 | 646 | 14 50.2 | +73 38 | 8.0 | _ | 7.3 1.4 8.7 7.0 | 6.0 .
 14 ~~53~~ | ~~34~~ +54.6 | ~~1725~~
~~1693~~ | ~~14 55.3~~ | ~~14~~
 33.7 | ~~54 27~~ | ~~54 39~~ | ~~14~~
 7.5 | ~~5.8~~ | 2447 5.6 15_2 | 6.5 | ~~6~~
~~6.7 1 5.4 | 5.2 .~~
 15 6 +74.4 | 602 | 15 6.0 | +74 26 | 7.5 | _ | 7.1 1.4 8.5 6.8 | 5.8? .
 14 51 +74.8 | 595 | 14 51.2 | +74 45 | 2.1 | _ | 4.6^4.9 | 1.4 | 6.0^6.3
 4.3^4.6 | 3.3^3.6 }
 15.2 +55.1 | 1730 | 15 2.2 | +55 7 | 5.5 | _ | 6.8 .6 7.4 5.7 | 5.5 .
 14.6 +75.3 | 529 | 14 5.8 | +75 17 | 6.7 | _ | 6.5 1.5 8.0 6.3 | 5.2 .
 14 0 +65.0 | 978 | 14 0.4 | +65 4 | 3.4 | 2381 3.6 20 +3 | 4.7 .9 5.6 3.9 |
 3.4 .
 14 14 +55.5 | 1678 | 14 14.1 | +55 33 | 6.5 | _ | 7.0 .6 7.6 5.9 | 5.7 .
 14 27 +76.4 | 527 | 14 27.08 | +76 21 | 5.5 | _ | 5.8^6.1 | 1.6 | 7.4^7.7
 5.7^6.0 | 4.5^4.8 }
 15 2 +66.5 | 887 | 15 1.8 | +66 29 | 5.8 | 2528 6.0 17 ±0 | 6.7 1.0 7.7 6.0
 | 5.4 .
 14 55 +66.5 | 878 | 14 55.3 | +66 31 | 4.5 | _ | 6.8^7.1 | 1.0 7.8^8.1
 6.1^6.4 | 5.5^5.8 }
 13 39 +77.6 | 519 | 13 39.3 | +77 34 | 6.2 | _ | 6.8 1.7 8.5 6.8 | 5.5 .
 15 38 +76.9 | 563 | 15 37.9 | +76 55 | 7.5 | _ | 7.0 1.6 7.6 5.9 | 5.7 .
 15 13 +67.9 | 876 | 15 13.0 | +67 54 | 5.2 | _ | 6.0 1.1 7.1 5.4 | 4.7 .
 15 35 +77.8 | 592 | 15 35.8 | +77 51 | 5.0 | _ | 6.3^6.8 | 1.7 8.0^8.5
 6.3^6.8 | 5.0^5.5 }
 14 17 +68.4 | ~~777~~ | ~~823~~ | ~~14 17.1~~ | ~~5.9~~ | ~~6.8~~ | ~~1.1~~ | ~~7.9~~ | ~~6.2~~ | ~~5.5~~ .
 14 18 +68.5 | ~~781~~ | ~~777~~ | ~~14 18.3~~ | ~~5.8~~ | ~~6.9~~ | ~~1.1~~ | ~~8.0~~ | ~~6.3~~ | ~~5.6~~ .
 14 17.1 | ~~15 9.2~~ | ~~68 27~~
~~68 20~~ | ~~6.8~~ | ~~6.5~~ | _ |
 6.8 1.1 7.9 6.2 | 5.5 .
 14 18 +68.5 | ~~781~~ | ~~777~~ | ~~14 18.3~~ | ~~5.8~~ | ~~6.9~~ | ~~1.1~~ | ~~8.0~~ | ~~6.3~~ | ~~5.6~~ .
 14 18.3 | ~~14 17.1~~ | ~~68 28~~
~~68 27~~ | ~~7.4~~ | ~~6.8~~ | . |
 6.9 1.1 8.0 6.3 | 5.6 .
 15 49 +78.2 | 527 | 15 49.3 | +78 13 | 4.7 | _ | 4.7 1.7 6.4 4.7 | 3.4 .
 15 13 +69.5 | 789 | 15 13.8 | +69 28 | 6.5 | _ | 6.8 1.1 7.9 6.2 | 5.5 .
 14 47 +59.9 | 1615 | 14 47.7 | +59 53 | 5.7 | _ | 6.9^7.3 | .7 | 7.6^8.0
 5.9^6.3 | 5.6^6.0 }
 13 25 +79.4 | 422 | 13 25.8 | +79 23 | 6.0 | _ | 6.4^6.8 | 1.8 | 8.2^8.6
 6.5^6.9 | 5.1^5.5 }
 14 27 +60.9 | 1547 | 14 27.8 | +60 51 | 6.2 | _ | 6.9 .8 7.7 6.0 | 5.6 .
 14 58 +60.8 | 1582 | 14 58. | ~~0~~ | ~~1~~ | +60 46 |
 6.0 | 2518 5.8 16 -1 | 6.6 .8 7.4 5.7 | 5.3 .
 14 57 +81.3 | 495 | 14 57.2 | +81 20 | 6.8 | _ | 6.8 2.1 8.9 7.2 | 5.5 .
 | | | 68/4 (3-3)/4 | |
 Mean 11
 16 22 +76.1 | 596 | 16 21.8 | +76 5 | 5.3 | _ | ~~5.8~~
~~1.5 7.3~~ | ~~5.6~~ | ~~53~~ .
 16 15 +76.3 | 594 | 16 15.0 | +76 16 | 6.0 2739 5.5 | ~~19 +1~~
~~5.8~~ | ~~1.6 7.4~~
~~5.6~~ | ~~5.6~~ .

January 10, 1887

Plate 560

[[8 Column Table]]

| V | H | Type | No | Lines | K | Focus | Other Lines |
|---|------|------|----------|-------|--------|-------|-------------|
| 22.8 | 18.3 | III | b183 | 2 | N | 1 | seen |
| 21.0 | 9.2 | I | | 6 | K=2H | 2 | - |
| 20.3 | 12.9 | III | 184 | 2 | K=H | 1 | seen |
| 20.2 | 16.0 | IIa | 185 | 2 | K=H | 2 | seen |
| 19.5 | 11.6 | I | | 10 | K=2H | 5 | FP |
| 19.4 | 16.4 | I | | 5 | K=H | 1 | - |
| 18.5 | 21.7 | III | b 186 | 2 | K=H | 1 | seen |
| 18.8 | 6.1 | I | | 6 | N | 2 | - |
| 16.9 | 6.3 | I | | 3 | N | 1 | - |
| 17.4 | 14.3 | III | | 2 | K=1.2H | 4 | seen |
| 17.1 | 15.7 | I | | 5 | K=.5H | 1 | - |
| 16.5 | 7.8 | I | | 7 | K=.8H | 2 | - |
| 15.1 | 12.2 | IIa | 188 | 2 | K=1.5H | 1 | F? |
| 14.4 | 20.1 | I | | 4 | N? | 1 | - |
| 14.1 | 13.1 | III | | 2 | K=H | 1 | - |
| 14.0 | 7.1 | I | d | 3 | N | 1 | - |
| 13.4 | 16.2 | I | | 5 | N | 1 | - |
| 11.8 | 13.3 | I | | 4 | K=H | 1 | - |
| 11.5 | 14.4 | I | | 12 | K=.2H | 5 | F seen |
| [[left margin]] III ? 6.2, 6.4 [[/left margin]] | | | | | | | |
| 11.5 | 15.0 | III | b.c. 189 | 2 | K=H | 1 | seen |
| 11.1 | 11.4 | I | | 5 | N | 2 | - |
| 10.7 | 13.5 | I | | 4 | K=.5H | 1 | - |
| 10.7 | 13.1 | I | | 4 | K=H | 1 | - |
| 10.4 | 7.9 | III | | 3 | K=1.5H | 4 | seen |
| 10.0 | 9.1 | I | | 7 | N? | 3 | - |
| 9.5 | 10.3 | I | | 4 | N | 1 | seen |
| 9.2 | 12.2 | I | | 4 | K=H | 1 | - |

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

104

January 10, 1887.
 Plate 560

V H Type No Lines K Focus Other Lines

22.8 18.3 III b183 2 N 1 seen

21.0 9.2 I 6 K=2H 2 -

20.3 12.9 III 184 2 K=H 1 seen

20.2 16.0 IIa 185 2 K=H 2 seen

19.5 11.6 I 10 K=2H 5 FP

19.4 16.4 I 5 K=H 1 -

18.5 21.7 III b 186 2 K=H 1 seen

18.8 6.1 I 6 N 2 -

16.9 6.3 I 3 N 1 -

17.4 14.3 III 2 K=1.2H 4 seen

17.1 15.7 I 5 K=.5H 1 -

16.5 7.8 I 7 K=.8H 2 -

15.1 12.2 IIa 188 2 K=1.5H 1 F?

14.4 20.1 I 4 N? 1 -

14.1 13.1 III 2 K=H 1 -

14.0 7.1 I d 3 N 1 -

13.4 16.2 I 5 N 1 -

11.8 13.3 I 4 K=H 1 -

11.5 14.4 I 12 K=.2H 5 F seen

[[left margin]] III ? 6.2, 6.4 [[/left margin]]

11.5 15.0 III b.c. 189 2 K=H 1 seen

11.1 11.4 I 5 N 2 -

10.7 13.5 I 4 K=.5H 1 -

10.7 13.1 I 4 K=H 1 -

10.4 7.9 III 3 K=1.5H 4 seen

10.0 9.1 I 7 N? 3 -

9.5 10.3 I 4 N 1 seen

9.2 12.2 I 4 K=H 1 -

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

```
[9 columned tables]]
|No.|R.A.|DEC.|MAG.| |Br.| | |
|---|---|---|---| |---| | |
|15 2 +66.5|887|15 1.8[[^]]+66[[^]]|29|5.8|2528 6.0 [[striketrough]]18
±0[[/striketrough]][[striketrough]][[underlined]]6.8[[/underlined]]1.0 7.8
[[striketrough]]6.0[[/striketrough]].[[symbol - checkmark]]]
```

$16.8 + 77.2[616]16.8.5^{[\wedge]} + 77^{[\wedge]}$
 $11[6.0_][\underline{5.9}][\underline{1.6} \ 7.5 \ \underline{5.7}]$
 $[\underline{4.8}][\text{symbol - checkmark}]$

15 13 +67.9|876|15 13.0^[^]]+67^[^]] 54|5.2|_6.0 1.1 7.1
5.3|.4.9[[symbol - checkmark]]

15 9 +68.3|823|15 9.2^[^]]+68^[^]] 20|6.5|_6.6 1.1 7.7 5.9|.5.5[[symbol - checkmark]]

16 6 +68.2|864|16 6.0^{[[^]]}+68^{[[^]]} 11|6.0|2717 5.4 15
 .3|5.8|1.1 6.9
5.1].[4.7][symbol -
checkmark]

$$\frac{16.46 + 79.2^{15.53 + 59.3}}{11.63 \frac{511 + 16.46 + 79.2}{11691 + 15.53 \cdot 0^A} + 59^A} \cdot \frac{20.6\bar{6}}{6.8} \cdot \frac{1.8}{6.8} \cdot \frac{5.7}{5.7} \cdot \text{symbol-checkmark}$$

15 14 +69.4|789|15 13.8^[^]]+69^[^]] 28|6.5|_6.6 1.1 7.7
5.9|.5.5[[symbol - checkmark]]

16 33 +79.3|498|16 33.9^[^]]+79^[^]] 16|5.5_|5.5 1.8 7.3
5.5|.4.4[[symbol - checkmark]]

15 47 +80.4|487|15 47.8^{[[^]]}+80^{[[^]]} 26|6.7|_6.7 5.9 8.6
6.8|.5.6[[symbol - checkmark]]

14 58 +60.8|1582|14
58.~~0~~~~[[/strikethrough]]~~^{[[1^{[[^]]}]]}+60^{[[^]]} 46|6.0| 6.5 .8
7.3 5.5|.5.6[[symbol - checkmark]]

~~[[strikethrough]]~~15 38 +81.2~~[[/strikethrough]]~~<sup>[[15 37
+80.8]]</sup>~~[[strikethrough]]~~517|15 38.9|+81 15|6.8~~[[/strikethrough]]~~<sup>[[480|15
37.8^{[[^]]}+80^{[[^]]} 56|7.0]]</sup>_6.7^{[[6.4]]} 2.0} 8.7^{[[8.4]]} 6.9^{[[6.6]]}|
.5.6^{[[5.3]]}[[symbol - checkmark]]

16 5 +70.6|863|16 5.4^{[[^]]}+70^{[[^]]} 39|6.5|.6.8 1.2 8.0 6.2| .5.7[[symbol
- checkmark]]

14 57
+~~[[strikethrough]]~~82.3~~[[/strikethrough]]~~^{[[81.3]]}~~[[strikethrough]]~~438|14
55.6|+82 9|8.6~~[[/strikethrough]]~~^{[[495|14 57.2^{[[^]]}+81^{[[^]]} 20|6.8]]}_.6.7
2.1 8.8 7.0|.5.6[[symbol - checkmark]]

~~[[strikethrough]]~~15 36 +82.4~~[[/strikethrough]]~~<sup>[[15 26
+62.2]]</sup>~~[[strikethrough]]~~456|15 35.4|+82
23|8.2~~[[/strikethrough]]~~<sup>[[14 15|15 26.0^{[[^]]}+62^{[[^]]}
14|6.5]]</sup>_~~[[strikethrough]]~~7.0~~[[/strikethrough]]~~^{[[6.8]]} 1.2 8.2 6.4|
.5.~~[[strikethrough]]~~9~~[[/strikethrough]]~~^{[[7]]}[[symbol - checkmark]]

15 21 +72.4|679|15 21.0^{[[^]]}+72^{[[^]]} 20|2.8|_4.0 1.3 5.3 3.5|
.2.9[[symbol - checkmark]]

15 17 +72.4|678|15 17.2^{[[^]]}+72^{[[^]]} 20|5.5|_6.8^{[[6.4]]} 1.3}
8.1^{[[7.7]]} 6.3^{[[5.9]]}_.5.7^{[[5.3]]}[[symbol - checkmark]]

15 19 +62.5|1410|15 19.9^{[[^]]}+62^{[[^]]} 33|6.0|2564 5.7 13 .5|6.2 .8 7.0
5.2|.5.1[[symbol - checkmark]]

15 25 +62.8|1414|15 25.1^{[[^]]}+62^{[[^]]} 46|6.7|_6.7 .8 7.5 5.7|
.5.6[[symbol - checkmark]]

15 41 +82.7|463|15 42.2^{[[^]]}+82^{[[^]]} 44|7.5|_6.5 2.2 8.7 6.9|
.5.4[[symbol - checkmark]]

17 0 +82.3|498|17 1.0^{[[^]]}+82^{[[^]]} 16|4.0|_5.4^{[[5.0]]} 2.2} 7.6^{[[7.2]]}
5.8^{[[5.4]]} .4.3^{[[3.9]]}[[symbol - checkmark]]

15 44 +63.1|1225|15 44.5^{[[^]]}+63^{[[^]]} 3|5.8| 5.9 .9 6.8 5.0|
.4.8[[symbol - checkmark]]

16 29 +82.9|485|16 29.1^{[[^]]}+82^{[[^]]} 58|8.0|.7.0 2.3 9.3 7.5|
.5.9[[symbol - checkmark]]

15 59 +83.4|453|15 58.8^{[[^]]}+83^{[[^]]} 23|7.3|_6.9 2.3 9.2
7.4^{[[/underline]]} .5.8[[symbol - checkmark]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 10, 1887.

Plate 560.

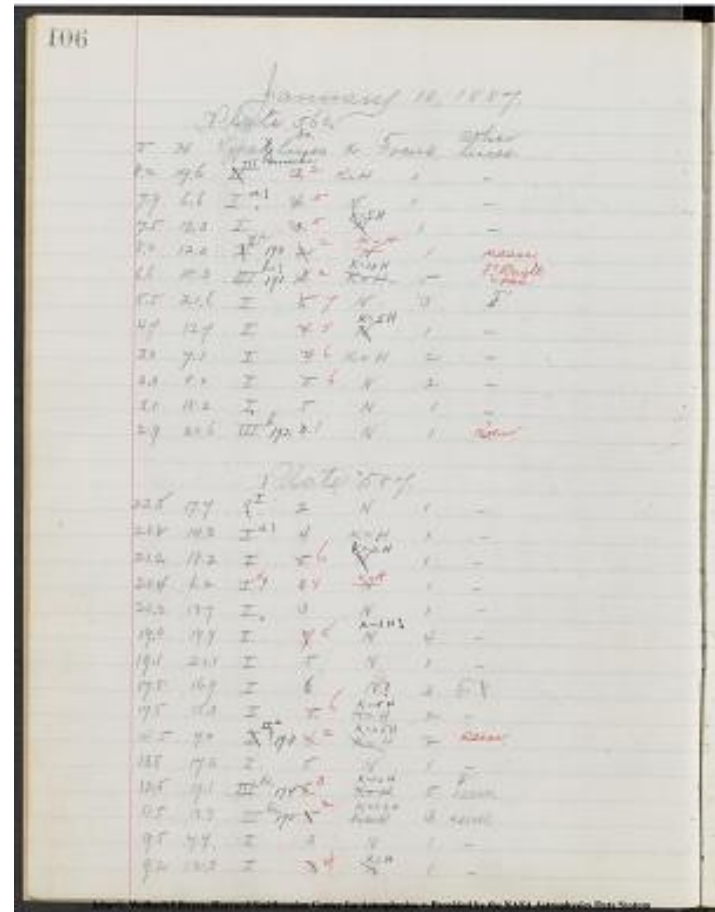
[8 columned table]

| V | H | Type | No. Remarks | No. Lines | K | Focus | Other Lines. |
|---------------------------------|------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---|
| 8.2 | 19.6 | [[strickethrough]] | [[strickethrough]] | ^[[III]] | | | |
| [[strickethrough]] | 3 | [[strickethrough]] | ^[[2]] | | K = H | | 1 -- |
| 7.9 | 6.6 | | a ? | | [[strickethrough]] | 4 | [[strickethrough]] ^[[5]] N 1 -- |
| 7.5 | 11.3 | | 1 | [[strickethrough]] | 3 | [[strickethrough]] | ^[[5]] |
| [[strickethrough]] | N | [[strickethrough]] | ^[[K = .5 H]] | | 1 | | -- |
| 8.0 | 12.0 | [[strickethrough]] | [[strickethrough]] | ^[[II a]] | | 190 | |
| [[strickethrough]] | 2 | [[strickethrough]] | ^[[2]] | | [[strickethrough]] | N | |
| [[strickethrough]] | ^[[K = H]] | | 1 | | seen. | | |
| 6.6 | 18.3 | [[strickethrough]] | b.c ? | | 191 | [[strickethrough]] | 3 |
| [[strickethrough]] | K = H | [[strickethrough]] | ^[[K = 1.5 H]] | | 5 | [[strickethrough]] | ^[[F ?]] -- seen. |
| 5.5 | 21.6 | | 1 | [[strickethrough]] | 5 | [[strickethrough]] | ^[[7]] N 3 F |
| 4.7 | 12.7 | | 1 | [[strickethrough]] | 4 | [[strickethrough]] | ^[[5]] |
| [[strickethrough]] | N | [[strickethrough]] | K = .5 H | | 1 | | -- |
| 3.0 | 7.1 | | 1 | [[strickethrough]] | 4 | [[strickethrough]] | ^[[6]] K = H 2 -- |
| 3.0 | 8.0 | | 1 | [[strickethrough]] | 5 | [[strickethrough]] | ^[[6]] N 2 -- |
| 3.1 | 18.2 | | 1 | 5 | N | | 1 -- |
| 2.9 | 20.6 | [[strickethrough]] | b. | | 192 | [[strickethrough]] | 0 |
| -- | ^[[seen.]] | | | | | | |

Plate 587.

[8 columned table]

| | | | | | | | |
|---------------------------------|----------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---|
| 22.8 | 17.7 | [[strickethrough]] | ? | [[strickethrough]] | ^[[I]] | | 2 N 1 -- |
| 21.8 | 14.2 | | d ? | | 4 | K = H | 1 -- |
| 21.2 | 18.2 | | 1 | [[strickethrough]] | 5 | [[strickethrough]] | ^[[6]] |
| [[strickethrough]] | N | [[strickethrough]] | ^[[K = .2 H]] | | 1 | | -- |
| 20.4 | 6.2 | | d ? | | [[strickethrough]] | 3 | [[strickethrough]] ^[[4]] |
| [[strickethrough]] | N | [[strickethrough]] | ^[[K = H]] | | 1 | | -- |
| 20.2 | 13.7 | | 1 | 3 | N | | 1 -- |
| 19.0 | 19.9 | | 1 | [[strickethrough]] | 7 | [[strickethrough]] | ^[[8]] N ^[[K = .1 H ?]] 4 -- |
| 19.1 | 21.1 | | 1 | 5 | N | | 1 -- |
| 17.8 | 16.9 | | 1 | 6 | N ? | | 3 F [[strickethrough]] ? [[strickethrough]] |
| 17.5 | 15.3 | | 1 | [[strickethrough]] | 5 | [[strickethrough]] | ^[[6]] |
| [[strickethrough]] | K = H | [[strickethrough]] | ^[[K = .8 H]] | | 2 | | -- |
| 14.5 | 7.0 | [[strickethrough]] | [[strickethrough]] | ? | ^[[II a]] | | 193 |
| [[strickethrough]] | 4 | [[strickethrough]] | ^[[2]] | | [[strickethrough]] | K = H | |
| [[strickethrough]] | ^[[K = 1.5 H]] | | 2 | | seen. | | |
| 13.8 | 17.2 | | 1 | 5 | N | | 1 -- |
| 12.5 | 19.1 | [[strickethrough]] | bc | | 194 | [[strickethrough]] | 8 |
| [[strickethrough]] | K = H | [[strickethrough]] | ^[[K = 1.2 H]] | | 5 | | F. seen. |
| 11.5 | 13.3 | [[strickethrough]] | bc | | 195 | [[strickethrough]] | 5 |
| [[strickethrough]] | K = H | [[strickethrough]] | ^[[K = 1.2 H]] | | 3 | | seen. |
| 9.5 | 7.7 | | 1 | 3 | N | | 1 -- |
| 9.2 | 12.0 | | 1 | [[strickethrough]] | 3 | [[strickethrough]] | ^[[4]] |
| [[strickethrough]] | N | [[strickethrough]] | ^[[K = H]] | | 1 | | -- |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

107

Mean 11

[[9 columned tables]]

| No. | R.A. | DEC. | MAG. | | Br. | | |

-----|-----|-----|-----|-----|-----|-----|
 13 46 +83.5|397|13 46.7|+83 29|6.5| | |
 16 17 +73.7|713|16 17.0|+73 46|6.2|2746 6.0 18 ±0|
 16 4.0 +84.0|361|16 40.2|+84 0|7.2| | |
 16 6 +84.0|351|16 7.0|+84 2|7.7| | |
 14 51 +74.7|595|14 51.2|+74 45|2.1| | |
 12 47 +84.2|290^|[[289]]|12^|[[12]]|48.1^|[[48.0]]|+84^|[[+84]]
 12^|[[12]]|5.5^|[[6.5]]|2189 5.0 27 +9|
 16 5 -85.7|269|16 6.6|+85 43|7.5| | |
 16 22 +76.1|596|16 21.8|+76 5|5.3| | |
 16 15 +76.3|594|16 15.0|+76 16|6.0|2739 5.5 20 +2|
 15 2 +66.5|[[~~217~~]]|[[~~887~~]]|[[~~58.5~~]]|[[~~15~~]]|[[~~1.8~~]]|[[~~86~~]]|[[~~33~~]]|[[~~29~~]]|[[~~14~~]]|
 58.5|[[~~15~~]]|1.8|[[~~86~~]]|[[~~33~~]]|[[~~29~~]]|[[~~14~~]]|
 29|[[~~14~~]]|6.8|[[~~5.8~~]]|2528 6.0 18 ±0|
 14 28 +76.4|[[~~528~~]]|[[~~527~~]]|[[~~29.5~~]]|[[~~14~~]]|[[~~27.8~~]]|[[~~76~~]]|[[~~24~~]]|[[~~21~~]]|
 29.5|[[~~14~~]]|27.8|[[~~76~~]]|[[~~24~~]]|[[~~21~~]]|
 21|[[~~76~~]]|8.3|[[~~5.0~~]]|
 [[equation]]
 [[equation]]

Mean 17

16 15+76.35941615.0+76166.0
 16 42+57.0170216426+5735.0
 16 8+77.2616168.5+77116.0
 17 56+76.96671755.9+76585.2
 16 50+77.76341649.6+77456.0
 15 49+78.35271549.3+78134.7
 16 6+68.2864166.0+68116.0
 16 28+69.18501628.3+6955.2
 16 24+79.24981633.9+79165.5
 {included}5701810.9+7960
 18 11+79.95711811.0+80[~~0~~]6.5
 16 30+61.215981630.4+61492.5
 17 0+82.313361711.3+6335.8
 1659+73.47511639.2+73196.0



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Plate 587

| V | H | Type | No. | Remarks | No. | Lines | K | Focus | Other Lines |
|---|---|------|-----|---------|-----|-------|---|-------|-------------|
|---|---|------|-----|---------|-----|-------|---|-------|-------------|

[illegible][illegible]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 17

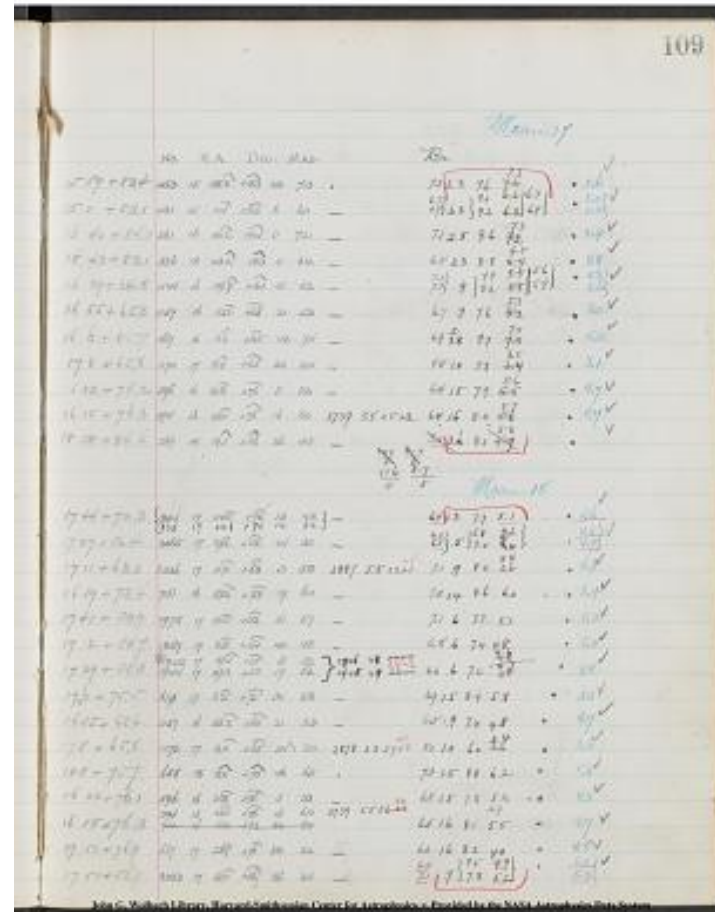
[[9 columned table]]

| No. | R.A. | DEC. | MAG. | | Br. | | |

| No. | R.A. | DEC. | MAG. | Br. |
|-------|-------|------|---------|------------|
| 15 59 | +83.4 | 453 | 15 58.8 | +83 23 7.3 |
| 15 0 | +83.1 | 431 | 15 0.4 | +83 6 6.0 |
| 16 40 | +84.0 | 361 | 16 40.2 | +84 0 7.2 |
| 18 43 | +83.1 | 536 | 18 43.2 | +83 4 6.2 |
| 16 39 | +64.8 | 1145 | 16 39.9 | +64 51 5.2 |
| 16 55 | +65.3 | 1157 | 16 55.2 | +65 21 5.3 |
| 16 6 | +85.7 | 269 | 16 6.6 | +85 43 7.5 |
| 17 8 | +65.8 | 1170 | 17 8.4 | +65 54 3.0 |
| 16 22 | +76.2 | 596 | 16 21.8 | +76 5 5.3 |
| 16 15 | +86.6 | 594 | 16 15.0 | +76 16 6.0 |
| 18 18 | +86.6 | 269 | 18 19.1 | +86 36 4.5 |

Mean 18

| No. | R.A. | DEC. | MAG. | Br. |
|-------|------------------|-----------------|--------------------|------------------------|
| 17 44 | +72.3 | 804 | 17 44.5 | +72 13 4.8 |
| 17 27 | +52.4 | 2065 | 17 27.2 | +52 24 3.0 |
| 17 11 | +63.0 | 1336 | 17 11.3 | +63 3 5.8 |
| 25 | 17 11 | 1336 | 17 11.3 | +63 3 5.8 |
| 16 59 | +73.4 | 751 | 16 59.2 | +73 19 6.0 |
| 17 41 | +53.9 | 1978 | 17 41.0 | +53 51 5.7 |
| 17 2 | +54.7 | 1854 | 17 2.3 | +54 40 4.8 |
| 17 29 | +55.3 | 1944 | 17 29.3 | +55 17 5.2 |
| 1 | 17 29 | 1944 | 17 29.3 | +55 17 5.2 |
| 176 | +75.5 | 613 | 17 6.3 | +75 30 5.8 |
| 1655 | +65.4 | 1157 | 16 55.3 | +65 21 5.3 |
| 17.8 | 65.8 | 1170 | 17 8.4 | +65 54 3.0 |
| 18.8 | +75.7 | 655 | 18 8.2 | +75 46 6.5 |
| 16 22 | +76.1 | 596 | 16 21.8 | +76 5 5.3 |
| 16 15 | +76.3 | 594 | 16 15.0 | +76 16 6.0 |
| 594 | 16 15 | 594 | 16 15.0 | +76 16 6.0 |
| 17 56 | +76.9 | 667 | 17 55.9 | +76 58 5.2 |
| 17 51 | +56.9 | 2033 | 17 51.0 | +56 54 3.5 |



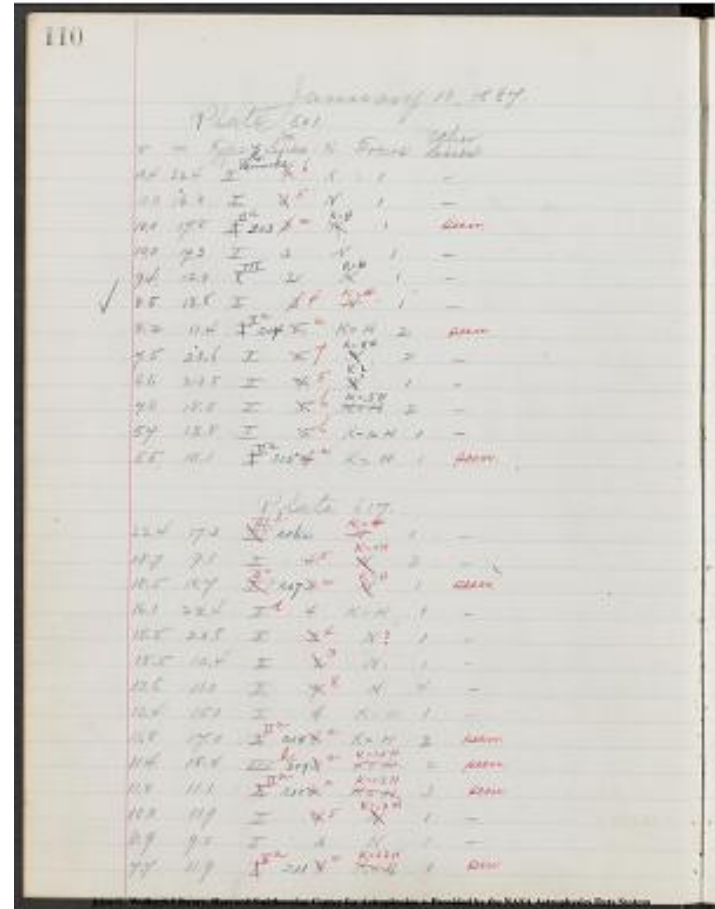
Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 10, 1887

Plate 601.

[[7 column table]]

| v | H | Type | No. | Remarks | No. Lines | K | Focus | Other Lines |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 10.4 | 22.4 | [[\strikethrough]] | 4 | [[\strikethrough]] | 6 | N | 1 | - |
| 10.0 | 16.3 | [[\strikethrough]] | 3 | [[\strikethrough]] | 5 | N | 1 | - |
| 10.0 | 17.8 | [[\strikethrough]] | 1 | [[\strikethrough]] | 1 | la | | |
| 203 | [[\strikethrough]] | 3 | [[\strikethrough]] | 2 | [[\strikethrough]] | N | [[\strikethrough]] | |
| K=H | 1 | seen. | | | | | | |
| 10.0 | 19.3 | [[\strikethrough]] | 3 | 1 | - | | | |
| 9.4 | 12.3 | [[\strikethrough]] | ? | [[\strikethrough]] | III | 2 | [[\strikethrough]] | N |
| [[\strikethrough]] | K=H | 1 | - | | | | | |
| 8.5 | 13.8 | [[\strikethrough]] | 4 | N | [[\strikethrough]] | K=H | 1 | - |
| 8.2 | 11.4 | [[\strikethrough]] | 1 | la | 204 | 5 | [[\strikethrough]] | 2 |
| K=H | 2 | seen | | | | | | |
| 7.5 | 23.6 | [[\strikethrough]] | 5 | [[\strikethrough]] | 7 | N | [[\strikethrough]] | K=8H |
| 2 | - | | | | | | | |
| 6.6 | 23.8 | [[\strikethrough]] | 4 | [[\strikethrough]] | 5 | N | [[\strikethrough]] | K=2 |
| 1 | - | | | | | | | |
| 7.0 | 18.8 | [[\strikethrough]] | 5 | [[\strikethrough]] | 6 | K=H | [[\strikethrough]] | K=.5H |
| 2 | - | | | | | | | |
| 5.7 | 13.8 | [[\strikethrough]] | 5 | [[\strikethrough]] | 6 | K=2H | 1 | - |
| 5.5 | 10.1 | [[\strikethrough]] | 1 | la | 205 | 4 | [[\strikethrough]] | 2 |
| K=H | 1 | seen | | | | | | |
| Plate 617 | | | | | | | | |
| 22.4 | 17.3 | [[\strikethrough]] | III | 206 | 2 | N | [[\strikethrough]] | K=H |
| 1 | - | | | | | | | |
| 18.7 | 9.1 | [[\strikethrough]] | 4 | [[\strikethrough]] | 5 | N | [[\strikethrough]] | K=5H |
| 2 | - | | | | | | | |
| 18.5 | 18.4 | [[\strikethrough]] | 1 | la | ? | 207 | 3 | [[\strikethrough]] |
| 2 | N | | | | | | | |
| [[\strikethrough]] | K=H | 1 | seen | | | | | |
| 16.1 | 22.4 | [[\strikethrough]] | 1 | la | 4 | K=H | 1 | - |
| 15.5 | 23.8 | [[\strikethrough]] | 3 | [[\strikethrough]] | 4 | N | ? | 1 |
| 1 | - | | | | | | | |
| 15.5 | 12.4 | [[\strikethrough]] | 2 | [[\strikethrough]] | 3 | N | 1 | - |
| 13.6 | 11.0 | [[\strikethrough]] | 7 | [[\strikethrough]] | 8 | N | 4 | - |
| 12.4 | 15.0 | [[\strikethrough]] | 4 | K=H | 1 | - | | |
| 11.8 | 17.0 | [[\strikethrough]] | 1 | la | 208 | 4 | [[\strikethrough]] | 2 |
| K=H | 2 | seen | | | | | | |
| 11.4 | 18.4 | [[\strikethrough]] | c | 209 | 3 | [[\strikethrough]] | 2 | K=H |
| [[\strikethrough]] | K=1.5H | 2 | seen | | | | | |
| 11.0 | 11.1 | [[\strikethrough]] | 1 | la | 210 | 8 | [[\strikethrough]] | 2 |
| K=H | | | | | | | | |
| [[\strikethrough]] | K=1.2H | 3 | seen | | | | | |
| 10.0 | 11.9 | [[\strikethrough]] | 4 | [[\strikethrough]] | 5 | N | [[\strikethrough]] | K=.2H |
| 1 | - | | | | | | | |
| 8.9 | 9.0 | [[\strikethrough]] | 3 | N | 1 | - | | |
| 7.7 | 11.9 | [[\strikethrough]] | 1 | la | 211 | 4 | [[\strikethrough]] | 2 |
| K=H | | | | | | | | |
| [[\strikethrough]] | K=1.2H | 1 | seen | | | | | |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

111

Mean 18

[[9 columned table]]

|No.|R.A.|DEC.|MAG.|Br.| | |

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

16 8 +77.3|616|16 8.5|+77 11|6.0|2724 5.7 26

[[~~strikethrough~~]]+2[[~~strikethrough~~]]±0|6.7|1.6 8.3

[[~~strikethrough~~]]5.9[[~~strikethrough~~]]5.7|4.9|

|17 3 +77.8|641|17 3.1|+77 52|6.5|.

6.8|1.7 8.5 5.9|5.0|

|16 49 +77.7|634|16 49.6|+77 45|6.0|_

6.8|1.7 8.5 5.9|5.0|

|16 [[~~strikethrough~~]]37[[~~strikethrough~~]]55.9 +77.7^[[67.7]]|

[[~~strikethrough~~]]627[[~~strikethrough~~]]977[[~~strikethrough~~]]16

36.9[[~~strikethrough~~]]16 55.9[[~~strikethrough~~]]+77 43[[~~strikethrough~~]]+67

42[[~~strikethrough~~]]6.5[[~~strikethrough~~]]6.5|2805 6.2 27

[[~~strikethrough~~]]+3[[~~strikethrough~~]]+1|7.2|1.7 8.9

[[~~strikethrough~~]]6.5[[~~strikethrough~~]]6.3|5.4|

|17 32 +68.3|938|17 32.5|+68 13|5.5|_

7.0^[[6.8]]|1.1 8.1^[[7.9]] 5.5^[[5.3]]5.2^[[5.0]]|

|17 24 +58.8|1731|17 23.9|+58 48|6.0|2930 6.6 (14 [[~~strikethrough~~]]-

10[[~~strikethrough~~]]-12)|7.3|7 8.0

[[~~strikethrough~~]]5.6[[~~strikethrough~~]]5.4|5.5|

|17 38 +68.8|949|17 37.8|+68 48|4.8|_6.7|1.1 7.8 5.2|4.9|

|15 49 +78.3|527|15 49.3|+78 13|4.7|_[[5.7]]|1.7

7.4 [[4.8]]|4.8[[3.9]]|

|16 28 +69.1|850|16 28.3|+69 5|5.2|_[[6.5]]|1.1 7.6

[[5.0]]|4.7[[4.7]]|

|16 33 +79.3|498|16 33.9|+79 16|5.5|_6.5|1.8 8.3 5.7|4.7|

|17 24 +60.2|1754|17 23.8|+60 10|5.5|_6.5|7.3 4.7|4.7|

|18 12 +79.9|571^[[570]]|18 11.0|[[~~strikethrough~~]]+80[[~~strikethrough~~]]79

[[~~strikethrough~~]]0[[~~strikethrough~~]]60|6.5|_6.4|1.9 8.3 5.7|4.6|

[[middle margin]]155/6 (2-3)/6[[/middle margin]]

|17 51 +56.9|2033|17 51.0|+56

54|3.5|_[[6.9]]^[[6.5]]|7 7.6^[[7.2]]|

[[5.2]]^[[4.8]]|

|18 22 +58.7|1809|18 21.8|+58 45|4.8|_6.1|7 6.8 4.4|

|17 38 +68.8|949|17 37.8|+68 48|4.8|_6.6|1.1 7.7 5.3|

|16 33 +79.3|498|16 33.9|+79 16|5.5|_6.7|1.8 8.5 6.1|

|17 24 +60.2|1754|17 23.8|+60 10|5.5|6.6|.8
7.4 5.0|

|18 9 +60.4|1813|18 9.4|+60 22|6.2|.6.9|.8 7.7 5.3|

|18 22 +71.3|889|18 23.0|+71 14|4.7|3120 4.2 19.5|4.9|1.2 6.1 3.7|

|17 57 +72.0|818|17 57.7|+72 0|6.0|_6.7|1.3 8.0 5.6|

|17 44 +72.3|804|[805]]|17|[17]] 44.5|[44.6]]|+72|[+72]]
13|[14]]|4.8|[6.2]]|_5.7|1.3 7.0 4.6|

|17 0 +82.3|498|17 1.0|+82 16|4.0|_5.8^[[5.5]]|2.2 8.0^[[7.7]] 5.6^[[5.3]]|

|18 23 +72.7|839|18 23.7|+72 40|3.8|_5.0|1.3 6.3 3.9|

|18 42 +83.1|536|18 43.2|+83 4|6.2|_6.6|2.3 8.9 6.5|

|19 33 +83.3|552|19 33.4|+83 10|6.0|3378 6.3 30 +6|7.0|2.3 9.3
[[~~6.6~~]]6.9|

|18 13 +64.3|1252|18 13.1|+64 20|5.0|_6.0|.9 6.9 4.5|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 10, 1887

Plate 617.

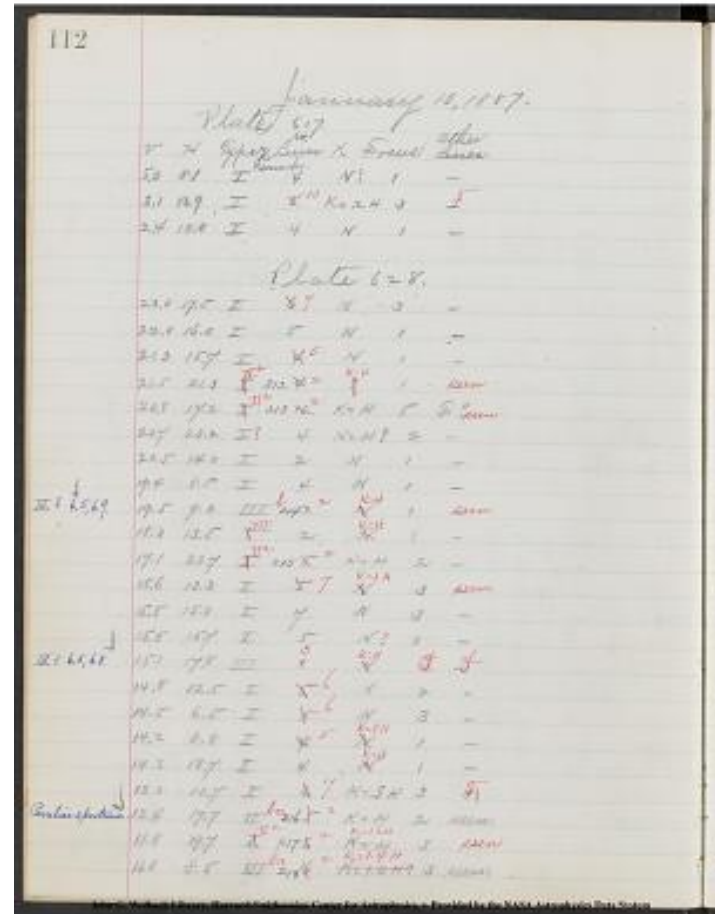
[[8 column table]]

[[V|H|Type|No. Remarks|No. Lines|K|Focus|other lines|
 5.0|8.1|1|4|N2|1|-|
 3.1|13.9|1|~~8~~~~10~~|K=.2H|3|F-|
 2.4|13.8|1|4|N|1|-|

Plate 628.

[[8 column table]]

23.0|17.5|1|~~5~~~~7~~|N|3|-|
 22.0|16.0|1|5|N|1|-|
 21.3|15.4|1|~~4~~~~5~~|N|1|-|
 21.5|21.3|1|~~2~~~~212~~|~~4~~~~5~~|
 kethrough]]2|~~2~~~~212~~|K=H|1|seen|
 20.8|17.2|~~1~~~~11a~~~~213~~|~~10~~~~5~~|
 trikethrough]]2|K=H|5|F?seen|
 20.7|23.2|1|4|K=H|~~2~~~~1~~|
 20.5|14.0|1|2|N|1|-|
 19.4|8.5|1|4|N|1|-|
 [[right margin]]11?^[[6.5.6.9.]]right
 margin]]19.5|9.2|1|~~2~~~~14~~|~~2~~~~1~~|~~2~~~~1~~|~~2~~~~1~~|
 hrough]]N|~~2~~~~1~~|K=H|1|~~1~~~~1~~|~~1~~~~1~~|
 hrough]]seen|
 18.3|13.5|~~1~~~~2~~|~~1~~~~2~~|~~1~~~~2~~|~~1~~~~2~~|
 kethrough]]K=H|1|-|
 17.1|20.7|~~1~~~~1~~|~~1~~~~1~~|~~1~~~~1~~|~~1~~~~1~~|
 /Strikethrough]]2|K=H|2|-|
 15.6|13.3|1|~~5~~~~5~~|~~5~~~~5~~|~~5~~~~5~~|
 ethrough]]K=.1H|3|~~1~~~~1~~|~~1~~~~1~~|
 15.5|15.0|1|7|N|3|-|
 15.5|15.7|1|5|N|1|-|
 [[right margin]]11?6.5.6.8^[[right
 margin]]15.1|17.8|1|~~1~~~~1~~|~~1~~~~1~~|~~1~~~~1~~|
 N|~~1~~~~1~~|K=H|1|~~1~~~~1~~|~~1~~~~1~~|
 14.8|12.5|1|~~5~~~~5~~|~~5~~~~5~~|~~5~~~~5~~|
 14.5|6.5|1|~~5~~~~5~~|~~5~~~~5~~|~~5~~~~5~~|
 14.2|8.8|1|~~4~~~~4~~|~~5~~~~5~~|~~5~~~~5~~|
 hrough]]K=.5H|1|-|
 14.2|18.7|1|4|~~1~~~~1~~|~~1~~~~1~~|~~1~~~~1~~|
 13.2|10.7|1|~~6~~~~6~~|~~7~~~~7~~|K=.8H|3|~~1~~~~1~~|
 N|~~1~~~~1~~|~~1~~~~1~~|
 [[right margin]] Peculiar
 Spectrum^[[12.4|17.7|1|~~1~~~~1~~|~~1~~~~1~~|
 =H|2|seen|
 11.8|19.7|1|~~1~~~~1~~|~~1~~~~1~~|~~1~~~~1~~|
 /Strikethrough]]2|~~1~~~~1~~|K=H|~~1~~~~1~~|K=1.2H|3|~~1~~~~1~~|
 WRITTEN]]-[[OVERWRITTEN]]seen|
 11.0|8.5|1|~~1~~~~1~~|~~1~~~~1~~|~~1~~~~1~~|
 K=1.2H?|~~1~~~~1~~|K=1.4h|3|seen|



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

[[10 columned table]]

| | No. | R.A. | DEC. | MAG. | | Br. | | |

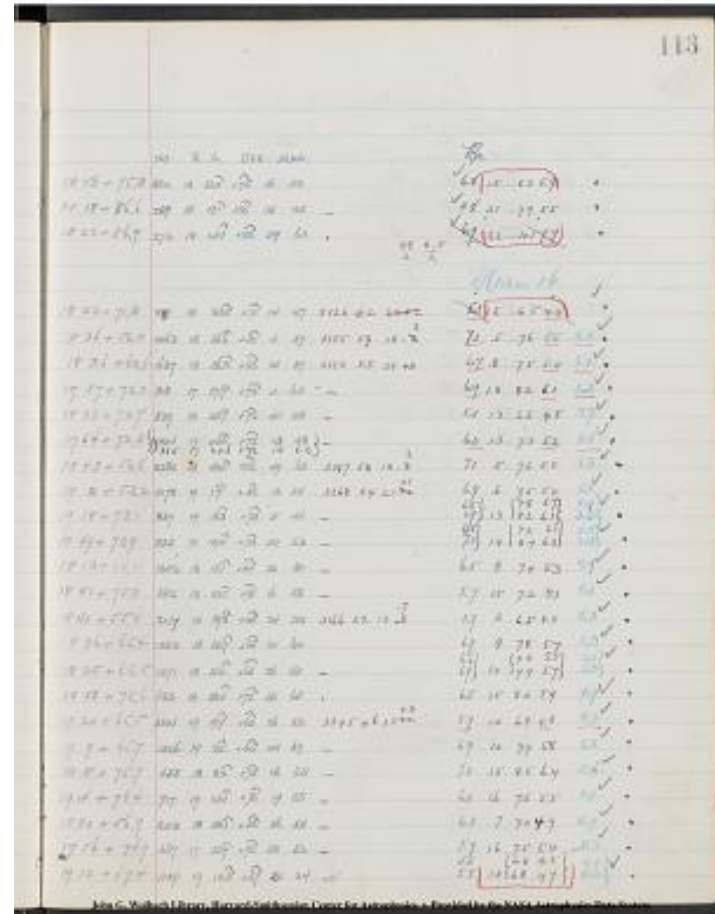
18 50|+75.3|682|18 51.0[^][[]]+75[^][[]] 16|5.8| | 6.8 |1.5 8.3 5.9|. |18 18|+86.6|269|18 19.1[^][[]]+86[^][[]] 36|4.5|-| 4.8 |3.1 7.9 5.5|. |18 22|+86.9|272|18 24.4[^][[]]+86[^][[]] 59|6.0|. |[[~~18 22|+86.9|272|18 24.4[^][[]]+86[^][[]] 59|6.0|. |~~]][[~~18 22|+86.9|272|18 24.4[^][[]]+86[^][[]] 59|6.0|. |~~]]

[[equation]]

[[equation]]

Mean 16

[[10 columned table]]

18 22|+71.3|889|18 23.0[^][[]]+71[^][[]] 14|4.7|3120 4.2 [[~~18 22|+71.3|889|18 23.0[^][[]]+71[^][[]] 14|4.7|3120 4.2~~]]23+2|[[~~18 22|+71.3|889|18 23.0[^][[]]+71[^][[]] 14|4.7|3120 4.2~~]]5.3|[[~~18 22|+71.3|889|18 23.0[^][[]]+71[^][[]] 14|4.7|3120 4.2~~]]1.2 6.5[[~~18 22|+71.3|889|18 23.0[^][[]]+71[^][[]] 14|4.7|3120 4.2~~]]4.4|[[~~18 22|+71.3|889|18 23.0[^][[]]+71[^][[]] 14|4.7|3120 4.2~~]]|. |18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -[[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]][[~~18 36|+52.0|2263|18 36.6[^][[]]+52[^][[]] 4|5.7|3155 5.8 18 -~~]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 10, 1887

Plate 628.

[[8 Columned Table]]

[V|H|Type|No. Remarks|No. Layers|K|Focus|Other Lines]

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

11.0|14.3|I^[[?]]|[[~~2~~]]|[[~~4~~]]|[[~~N~~]]|[[~~K=H~~]]|1|-|

11.0|13.5|I|3|N?|1|-|

11.4|15.1|III|[[?]]|219|[[~~2~~]]|[[~~1~~]]|N|1|seen|

8.6|18.8|I|5|N|1|-|

8.6|19.7|I|7|K=.2 H|3|-|

7.8|12.6|III|[[~~3~~]]|[[~~2~~]]|K=H|[[~~?~~]]|[[~~1~~]]|

7.5|11.3|I|4|N|1|-|

7.0|10.1|I|[[~~5~~]]|[[~~6~~]]|N|2|-|6.6|13.3|I|220|[[~~3~~]]|[[~~4~~]]|[[~~N~~]]|[[~~K=H~~]]|1|seen|6.1|17.3|[[~~I~~]]|[[~~I~~^[[a]]]]|221|[[~~5~~]]|[[~~2~~]]|K=H|2|seen|4.0|12.1|III|[[~~?~~]]|[[~~b~~]]|222|[[~~2~~]]|[[~~1~~]]|N|1|seen|3.6|17.7|I|[[~~8~~]]|[[~~9~~]]|N|4|-|

114

January 10, 1887.

Plate 628.

| V | H | Type | No. | Remarks | No. Layers | K | Focus | Other Lines |
|------|------|--------------------|--------------------------|--------------------|--------------------|---|-------|-------------|
| 11.0 | 14.3 | I^[[?]] | 2 | [[4]] | | | | |
| 11.0 | 13.5 | I | 3 | N? | 1 | - | | |
| 11.4 | 15.1 | III | 219 | [[2]] | [[1]] | N | 1 | seen |
| 8.6 | 18.8 | I | 5 | N | 1 | - | | |
| 8.6 | 19.7 | I | 7 | K=.2 H | 3 | - | | |
| 7.8 | 12.6 | III | [[3]] | [[2]] | K=H | | | |
| 7.5 | 11.3 | I | 4 | N | 1 | - | | |
| 7.0 | 10.1 | I | [[5]] | [[6]] | N | 2 | - | |
| 6.6 | 13.3 | I | 220 | [[3]] | [[4]] | | | |
| 6.1 | 17.3 | [[I]] | [[I ^[[a]]]] | 221 | | | | |
| 4.0 | 12.1 | III | [[?]] | [[b]] | 222 | | | |
| 3.6 | 17.7 | I | [[8]] | [[9]] | N | 4 | - | |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

115

Mean 16

[[9 columned table]]

|No.|R.A.|DEC.|MAG.|Br.| | |

|18 44 +77.5|702|18 44.5|+77 32|7.0|7.1|1.7 8.8 6.7|5.5.|

|18 47 +67.6|1096|18 47.0|+67 38|7.0|7.3|1.0 8.3 6.2|5.7.|

|18 37 +77.5|699|18 36.8|+77 25|6.5|7.0^[[6.7]]|1.7 8.7^[[8.4]]
6.6^[[6.3]]|5.4^[[5.1]].|

|18 18 +68.7|989|18|17.9|+68|40|6.8|.7.0|1.1|8.1|6.0|5.4.|

|18 22 +58.7|1809|18|21.8|+58|45|48|6.0|.7|6.7|4.6|4.4.|

|18 49 +59.2|1925|18 49.|~~0~~|~~1~~+59
13|43|6.8^[[6.5]]|.7 7.5^[[7.2]] 5.4^[[5.1]]|5.2^[[4.9]].|

|18 59 +69.3|1018|18 59.8|+69 19|6.3|.6.8|1.1 7.9 5.8|5.2.|

|19 30 +79.3|628|19 30.4|+79 18|6.3|3371 5.9 25
~~2~~+~~5~~
6.6|1.8 8.4 ~~6.1~~|~~6.3~~5.0.|

|18 55 +79.8|604|18 55.8|+79 46|6.5|.6.7|1.9 8.6 6.5|5.1.|

|18 11 +79.9|571^[[570]]|18 11.0|+~~79~~80~~79~~
~~0~~|~~6.5~~6.1|1.9 8.0 5.9|4.5.|

|18 56 +71.1|915|18 56.2|+71 6|5.3|7.1^[[6.8]]|1.2 8.3^[[8.0]]
6.2^[[5.9]]|5.5^[[5.2]].|

|18 22 +71.3|889|18 23.0|+71 14|4.7|3120 4.2 25
~~2~~+~~5~~
5.5|1.2 6.7 4.6|3.9.|

[[bottom margin]]~~186/9~~ (12-
15)/9~~186/9~~[[bottom margin]]

[[bottom margin]]163/8 (14-11)/8[[bottom margin]]

115

Mean 16

| No. | R.A. | DEC. | MAG. | Br. | | |
|-------|-------|-------------|---------|----------------------------------|--------|---|
| 18 44 | +77.5 | 702 | 18 44.5 | +77 32 | 7.0 | 7.1 1.7 8.8 6.7 5.5 |
| 18 47 | +67.6 | 1096 | 18 47.0 | +67 38 | 7.0 | 7.3 1.0 8.3 6.2 5.7 |
| 18 37 | +77.5 | 699 | 18 36.8 | +77 25 | 6.5 | 7.0^[[6.7]] 1.7 8.7^[[8.4]] 6.6^[[6.3]] 5.4^[[5.1]] |
| 18 18 | +68.7 | 989 | 18 | 17.9 | +68 40 | 6.8 .7.0 1.1 8.1 6.0 5.4 |
| 18 22 | +58.7 | 1809 | 18 | 21.8 | +58 45 | 48 6.0 .7 6.7 4.6 4.4 |
| 18 49 | +59.2 | 1925 | 18 49 | | | 0 1 +59 13 43 6.8^[[6.5]] .7 7.5^[[7.2]] 5.4^[[5.1]] 5.2^[[4.9]] |
| 18 59 | +69.3 | 1018 | 18 59.8 | +69 19 | 6.3 | .6.8 1.1 7.9 5.8 5.2 |
| 19 30 | +79.3 | 628 | 19 30.4 | +79 18 | 6.3 | 3371 5.9 25 2 + 5 6.6 1.8 8.4 6.1 6.3 5.0 |
| 18 55 | +79.8 | 604 | 18 55.8 | +79 46 | 6.5 | .6.7 1.9 8.6 6.5 5.1 |
| 18 11 | +79.9 | 571^[[570]] | 18 11.0 | + 79 80 79 | | 0 6.5 6.1 1.9 8.0 5.9 4.5 |
| 18 56 | +71.1 | 915 | 18 56.2 | +71 6 | 5.3 | 7.1^[[6.8]] 1.2 8.3^[[8.0]] 6.2^[[5.9]] 5.5^[[5.2]] |
| 18 22 | +71.3 | 889 | 18 23.0 | +71 14 | 4.7 | 3120 4.2 25 2 + 5 5.5 1.2 6.7 4.6 3.9 |

[[bottom margin]]~~186/9~~ (12-15)/9~~186/9~~[[bottom margin]]

[[bottom margin]]163/8 (14-11)/8[[bottom margin]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January, 12, 1887.

Plate 682

7 column table

|v|H| Type| No. Lines|K|Focus|other lines.|

|14.6|1|[^][[No. remarks]]|2|N|1|-|

[^][[III?5.5.5.8]]|20.9|15.4|III[^][[b.c.]]|223|~~[[5]]~~2

~~[[K=H]]~~~~[[K=1.5H|3|seen[^][[F?]]~~

|20.5|8.1|~~[[6]]~~7|N|3|~~[[N|3]]~~-
~~[[F]]~~

|17.5|96|~~[[4]]~~5|~~[[N]]~~~~[[K=5H|1|-]]~~

|17.1|13.0|~~[[5]]~~~~[[N]]~~~~[[K=H|1|]]~~~~[[F]]~~

|17.0|11.7|III[^][[b]]|224|~~[[4]]~~2|~~[[K=H|1|seen]]~~

|15.8|9.0|III[^][[b]]|225|~~[[4]]~~2|~~[[K=H|1|seen]]~~

|15.0|19.9|~~[[1]]~~[^][[IIa]]?226|~~[[4]]~~
~~[[K=H|2|seen]]~~

|13.0|7.9|~~[[2]]~~~~[[K=H|2|seen]]~~~~[[III|2|]]~~~~[[N]]~~~~[[K=H|1|-]]~~

|13.5|17.8|III|~~[[1]]~~~~[[K=H|1|-]]~~

|12.1|23.1|~~[[6]]~~3|-|

|10.6|7.6|~~[[6]]~~~~[[K=H|2|-]]~~

|9.8|14.1|III[^][[b]]|227|~~[[3]]~~2|~~[[K=H|1|seen]]~~

|9.5|13.1|~~[[4]]~~1|N?|1|-|

|9.5|16.1|~~[[4]]~~5|~~[[N]]~~~~[[K=2H|2|-]]~~

|9.5|22.2|~~[[1]]~~228|~~[[8]]~~~~[[K=H|1|seen]]~~

|8.9|9.0|~~[[4]]~~1|N|1|-|

|8.5|14.4|~~[[3]]~~1|N?|1|-|

|8.5|22.7|III|3|~~[[N]]~~~~[[K=H|2|F]]~~

|7.0|10.9|~~[[3]]~~4|N|1|-|

|7.8|18.1|~~[[1]]~~2|~~[[N]]~~~~[[K=H|1|-]]~~

|5.0|13.9|~~[[7]]~~~~[[K=2H|1|-]]~~

|5.1|17.5|~~[[5]]~~6|N|2|-|

|4.6|16.5|~~[[3]]~~4|~~[[N]]~~~~[[K=H|1|-]]~~

|3.4|14.5|~~[[5]]~~6|K=H|1|-|

|2.5|7.1|~~[[4]]~~5|N|2|-|

|2.5|15.6|~~[[9]]~~10|K=2H|4|F|

|1.8|15.3|~~[[2]]~~1|-|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3

Transcribed and Reviewed by Digital Volunteers

Extracted Dec-02-2022 11:19:31

117

Mean 18

[[9 columned table]]

| No. | R.A. | DEC. | MAG. | | Br. | | |

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

| 19 14 +76.3 | 717 | 19 14.4 | +76 19 | 5.5 |

| ~~[[6.8]]~~ | ~~1.6 8.4~~ |

| 19 12 +67.4 | 1129 | 19 12.5 | +67 24 | 3.4 | 6.1^[[5.8]] | 1.0 7.1^[[6.8]] | 4.7^[[4.4]] | 4.3^[[4.0]] |

| 20 13 +77.3 | 764 | 20 13.8 | +77 16 | 4.8 | 3545 4.4 26 | ~~[[2]]~~ | ~~[[5.4]]~~ | 1.6 7.0 | ~~[[4.2]]~~ | ~~[[4.6]]~~ | 3.6 |

| 19 44 +68.9 | 1079 | 19 44.5 | +~~[[69]]~~ | ~~[[68]]~~ | 60 | 6.2 | 7.0 | 1.1 8.1 5.7 | 5.2 |

| 19 30 +79.3 | 628 | 19 30.4 | +79 18 | 6.3 | 6.8 | 1.8 8.6 6.2 | 5.0 |

| 19 32 +69.4 | 1053 | 19 32.6 | +69 25 | 5.0 | 7.1^[[6.9]] | 1.1 8.2^[[8.0]] | 5.8^[[5.6]] | 5.3^[[5.1]] |

| 19 48 +69.9 | 1070 | 19 48.6 | +69 53 | 3.8 | 6.3^[[6.0]] | 1.2 7.5^[[7.2]] | 5.1^[[4.8]] | 4.5^[[4.2]] |

| 18 10 +79.9 | 570^[[571]] | 18 10.9 | +79 59 | 6.5 | 6.5 | 9 7.4 5.0 | 4.7 |

| 20 38 +80.9 | 659 | 20 37.2 | +80 56 | 5.8 | 7.2^[[7.0]] | 2.0 9.2^[[9.0]] | 6.8^[[6.6]] | 5.4^[[5.2]] |

| 18 56 +71.1 | 915 | 18 56.2 | +71 6 | 5.3 | 7.3^[[7.0]] | 1.2 8.5^[[8.2]] | 6.1^[[5.8]] | 5.5^[[5.2]] |

| 18 22 +71.3 | 889 | 18 23.0 | +71 14 | 4.7 | 3120 4.2 22 | ~~[[6]]~~ | ~~[[5.2]]~~ | 1.2 6.4 | ~~[[3.6]]~~ | ~~[[4.0]]~~ | 3.4^[[underline]] |

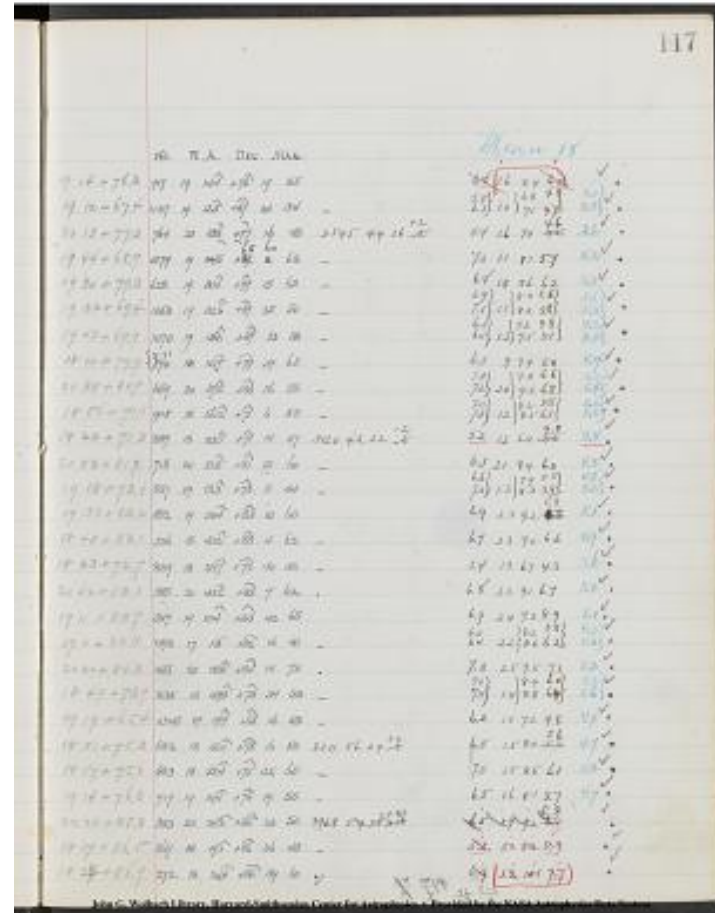
| 20 53 +81.9 | 718 | 20 52.8 | +81 59 | 6.0 | 6.3 | 2.1 8.4 6.0 | 4.5 |

| 19 18 +73.1 | 857 | 19 18.3 | +73 5 | 4.4 | 7.0^[[6.6]] | 1.3 8.3^[[7.9]] | 3.9^[[5.5]] | 5.2^[[4.8]] |

| 19 33 +83.2 | 552 | 19 33.4 | +83 10 | 6.0 | 6.9 | 2.3 9.2 | ~~[[7.8]]~~ | ~~[[6.8]]~~ | 5.1 |

| 18 43 +83.1 | 536 | 18 43.2 | +83 4 | 6.2 | 6.7 | 2.3 9.0 6.6 | 4.9 |

| 18 23 +72.7 | 839 | 18 23.7 | +72 40 | 3.8 | 5.4 | 1.3 6.7 4.3 | 3.6 |



|20 42 +83.1|588|20 43.2|+83 7|6.2|. |6.8|2.3 9.1 6.7|5.0. |

|19 11 +83.7|547|19 10.4|+83 42|6.5| |6.9|2.4 9.3 8.9|5.1. |

|17 0 +82.3|498|17 1.0|+82 16|4.0_|6.4^[[6.0]]|2.2 8.6^[[8.2]]
6.2^[[5.8]]|4.6^[[4.2]]. |

|20 20 +84.3|451|20 20.0|+84 14|7.0|. |7.0|2.5 9.5 7.1|5.2. |

|18 49 +73.9|835|18 49.4|+73 54|5.3_|7.4^[[7.0]]|1.4 8.8^[[8.4]]
6.4^[[6.0]]|5.6^[[5.2]]. |

|19 19 +65.4|1345|19 19.9|+65 26|5.3_|6.2|1.0 7.2 4.8|4.4. |

|18 51 +75.3|682|18 51.0|+75 16|5.8|3211 5.6 24 ~~[[/strikethrough]]~~-
4~~[[/strikethrough]]~~±0|6.5|1.5 8.0
~~[[/strikethrough]]~~5.2~~[[/strikethrough]]~~|5.6|4.7. |

|18 59 +75.6|683|18 58.4|+75 35|6.5_|7.0|1.5 8.5 6.1|5.2. |

|19 14 +76.3|717|19 14.4|+76 19|5.5_|6.5|1.6 8.1 5.7|4.7. |

|22 22 +85.3|383|22 24.2|+85 23|5.0|3698
~~[[/strikethrough]]~~5.4~~[[/strikethrough]]~~38
~~[[/strikethrough]]~~+10^[[+14]]~~[[/strikethrough]]~~~~[[/strikethrough]]~~~~[[/strikethrough]]~~6
.5~~[[/strikethrough]]~~~~[[/strikethrough]]~~~~[[/strikethrough]]~~2.7~~[[/strikethrough]]~~
~~[[/strikethrough]]~~9.2~~[[/strikethrough]]~~
~~[[/strikethrough]]~~6.4~~[[/strikethrough]]~~~~[[/strikethrough]]~~6.8~~[[/strikethrough]]~~~~[[/strikethrough]]~~. |

|18 17 +86.5|269|18 19.1|+86
36|4.5_|~~[[/strikethrough]]~~5.2~~[[/strikethrough]]~~
~~[[/strikethrough]]~~3.1~~[[/strikethrough]]~~
~~[[/strikethrough]]~~8.3~~[[/strikethrough]]~~
~~[[/strikethrough]]~~5.9~~[[/strikethrough]]~~. |

|18 24 +86.9|272|18 24.4|+86
59|6.0|. |~~[[/strikethrough]]~~6.9~~[[/strikethrough]]~~
~~[[/strikethrough]]~~3.2~~[[/strikethrough]]~~
~~[[/strikethrough]]~~10.1~~[[/strikethrough]]~~
~~[[/strikethrough]]~~7.7~~[[/strikethrough]]~~. |

~~[[bottom margin]]~~~~[[/strikethrough]]~~110/4 (10-12)/4~~[[/strikethrough]]~~72/3 (2-
2)/3~~[[/strikethrough]]~~~~[[bottom margin]]~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 12, 1887.

Plate 742.

[[8 column chart]]

[[V|H|Type|No. Remark|No. Lines|K|Focus|Other Lines|

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

22.0|14.4|| 4|[[strikethrough]]N[[/strikethrough]]K=H?|2|-|

20.5|8.8||

[[strikethrough]]4[[/strikethrough]]6[[strikethrough]]N[[/strikethrough]]K=.

5H|3|-|

19.4|15.8||

[[strikethrough]]4[[/strikethrough]]6[[strikethrough]]N[[/strikethrough]]K=.

2H|1|-|

19.0|14.4|| [[strikethrough]]4[[/strikethrough]]5|N|1|-|

17.0|10.4||

[[strikethrough]]5[[/strikethrough]]7[[strikethrough]]N[[/strikethrough]]K=.

2H|3|F[[strikethrough]]?[[/strikethrough]]

17.2|15.1|[[strikethrough]]?[[/strikethrough]]?[[strikethrough]]III|

[[strikethrough]]1[[/strikethrough]]2[[strikethrough]]N[[/strikethrough]]K=

H|1|-|

16.0|11.0|| [[strikethrough]]4[[/strikethrough]]6|N|2|F|-|

14.6|23.4|| 6|N?|3|F seen|

14.3|23.6|| 4|N|2|-|

14.0|22.5|| [[strikethrough]]4[[/strikethrough]]5|N|1|-|

14.5|13.8|| [[strikethrough]]3[[/strikethrough]]4|N|1|-|

14.4|14.6|?| [[strikethrough]]2[[/strikethrough]]3|N|1|-|

Recorded above[[strikethrough]] 14.0|22.5|| 4|N|2|-|

[[/strikethrough]]

14.0|12.4|| 8|K=.2H|4|F[[strikethrough]]?[[/strikethrough]]

13.3|11.7||

a|229|[[strikethrough]]1[[/strikethrough]]2[[strikethrough]]N[[/strikethrough]]

h|K=H|1|seen|

13.5|8.8||3|N|1|-|

13.5|17.1|| [[strikethrough]]5[[/strikethrough]]6|N|1|-|

13.0|20.3|| [[strikethrough]]6[[/strikethrough]]7|K=H|3|F seen|

11.7|13.4||

[[strikethrough]]8[[/strikethrough]]1|1|[[strikethrough]]N[[/strikethrough]]K=

=.2H|5|F seen|

11.9|17.8|| b|230|[[strikethrough]]7[[/strikethrough]]8|N|3|F ? seen|

III ? 6.2.6.5. 11.4|14.6||

b|230|2|[[strikethrough]]N[[/strikethrough]]K=H|2|- seen|

11.7|21.2|[[strikethrough]]?[[/strikethrough]]III|

2|[[strikethrough]]N[[/strikethrough]]K=H|1|-|

10.0|7.6|| [[strikethrough]]3[[/strikethrough]]4|N?|2|-|

10.5|24.1||

b.c.|232|[[strikethrough]]4[[/strikethrough]]2|[[strikethrough]]K=H[[/strikethrough]]

h|K=1.5H|3|.seen|

10.0|17.5|?|

[[strikethrough]]3[[/strikethrough]]5|[[strikethrough]]N[[/strikethrough]]K=

H|1|F|

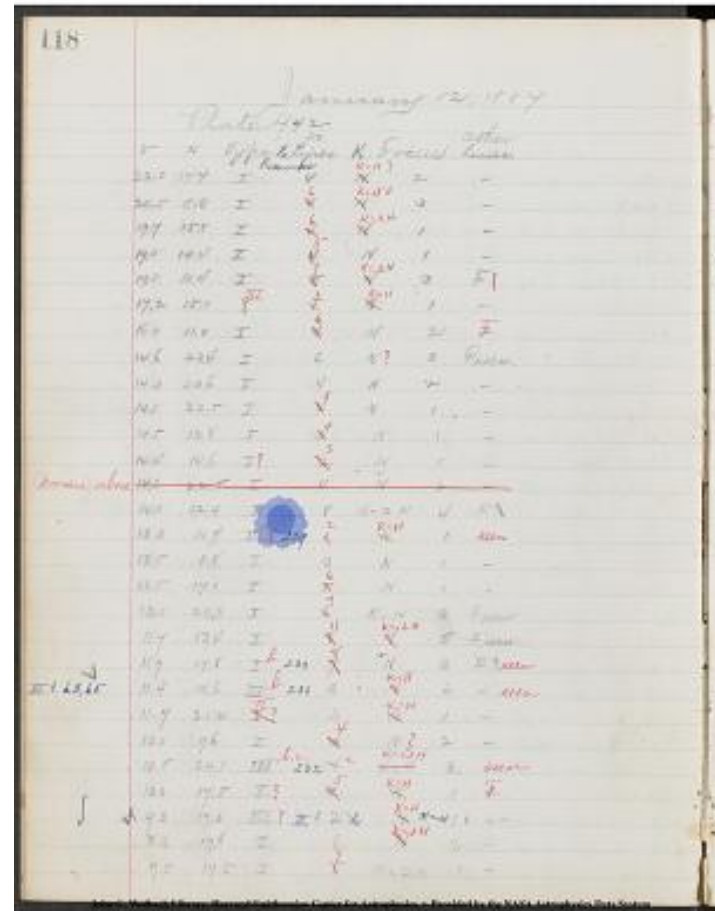
9.3|17.0||III|[[strikethrough]]?[[/strikethrough]]III?|2|[[strikethrough]]2|[[/strikethrough]]

[[strikethrough]]N[[/strikethrough]]K=H|[[strikethrough]]K=H|[[/strikethrough]]

[[strikethrough]]1|1|-|-|

8.2|17.8|| 6|[[strikethrough]]N[[/strikethrough]]K=.5H|2|-|

7.5|17.5|| [[strikethrough]]5[[/strikethrough]]7|K=.2H|1|-|



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

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

119

[9 columned table]

[No. | R.A. | DEC. | MAG. | Br. | |]

19 51 +52.1|2572|19 51.9|+52 4|5.5|_||6.4||5||

6.9 ||5.3||5.3||

20 27 +62.5|1821|20 27.2|+62 31|4.0|_||5.9|8 6 7 5 1|. |

19 56.7 +63.2|1584|19 56.7|+63 9|6.5|_||6.8|9 7 7 6 1|. |

20 3 +63.4|1593|20 2.9|+63 29|6.5|_||6.8|9 7 7 6 1|. |

20 33 +74.5|872|20 33.4|+74 26|5.5|_||6.0|1 4 7 4 5 8|. |

20 0 +64.4|1405|19 59.9|+64 25|5.0|_||7.3|7.0||9} 8.2^7.9||

6.6^6.3||

20 15 +54.9|2329|20 14.8|+54 57|6.0|3556 5 7 13 _3|6.4|6 7 0 5 4|. |

19 20 +65.5|1345|19 19.9|+65 26|5.3|

||5.7||5.7||1.0 6.9 ||5.1||5.1||

18 51 +75.3|682|18 51.0|+75 16|5.8|3211 5 6 21

+5||6.2||6.2||1.5 7.7

||6.1||6.1||

18 58 +75.6|683|18 58.4|+75 35|6.5|_||6.6|1 5 8 1 6 5|. |

20 5.8 +65.9|1433|20 5.8|+65 53|7.0|_||7.0|1 0 8 0 6 4|. |

20 2 55.9|2324|20 2.0|+55 55|6.5|_||7.0|6 7 6 6 0|. |

||~~18 58 +75.6| 683|18 58.4|+75 35|6.5~~||~~1.5~~||

20 10 +56.1|2376|20 10.0|+56 8|4.5|_||5.3|6 5 9 4 3|. |

20 16 +66.4|1281|20 16.1|+66 23|6.2|_||6.9|1 0 7 9 6 3|. |

20 23 +56.2|2421|20 22.9|+56 10|6.6|_||7.0|6 7 6 6 0|. |

19 53 +56.3|2331|19 19|53.2 +56|18|6.3|_||6.7|6 7 3 5 7|. |

19 ||~~41~~||~~14~~||

+||~~56.7~~||~~76.4~~||~~2291~~||

||~~717~~||~~19 40.7~~||

14.4||~~56 41~~||+76

19||~~6.3~~||~~5.5~~||_||5.6|7 6 3 4 7|. |

20 13 +773|764|20 13.8|+77 16|4.8|_||4.7|1 6 6 3 4 7|. |

19 50.3 +57.2|2084|19|50.3|+57 8|5.4|3455 5 1 15 _1|5.9|7 6 6 5 0|. |

20 3 +67.5|1222|20 2.2|+67 27|5.1|_||6.6^6.3||1.0} 7.6^7.3||

6.0^5.7||

19 4 +76.8|712|19 3.9|+76 50|6.5|_||6.9|1 6 8 5 6 9|. |

21 8 +77.6|800|21 8.4|+77 32|6.1|_||6.3|1 7 8 0 6 4|. |

19 12.5 +67.4|1129|19 12.5|+67 24|3.4|_||

||5.7||5.7||5.4||1.0||

||6.7||6.7||6.4||

||51||51||4.8||

19 46.6 +68.1|1082|19 46.6|+68 4|6.4|_||6.5|1 1 7 6 6 0|. |

||~~19 48 +58.6~~||~~19 53~~||

+58.5||~~1994~~||~~2013~~||

48.3||~~19 53.2~~||+58 37||~~58~~||

28||~~8.5~~||~~5.1~~||-7.1^6.7||7.0^6.7||.7}

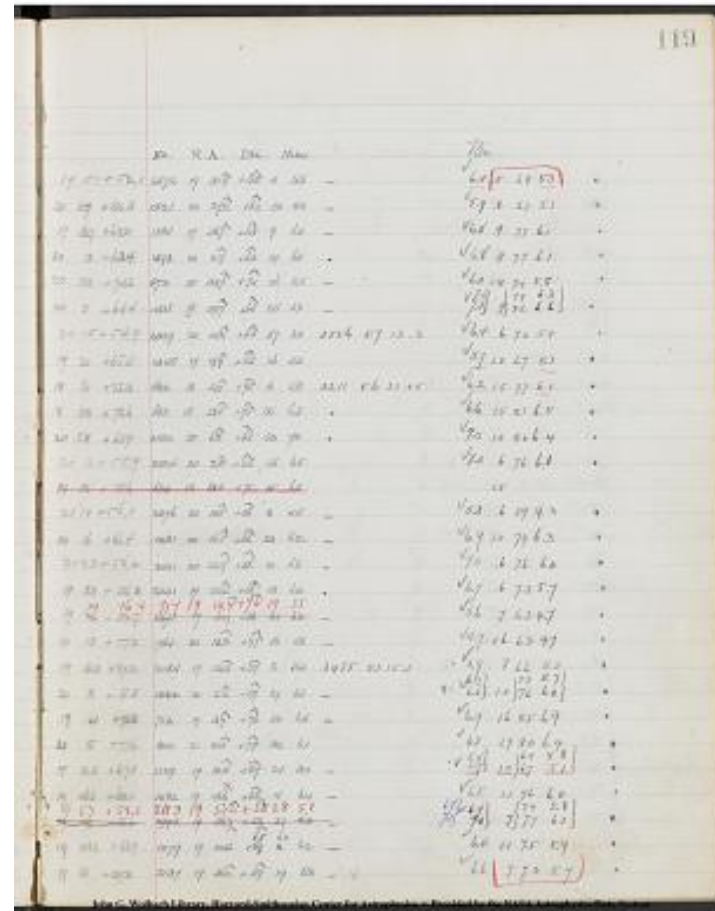
7.7^7.4||6.1^5.8||

19 44.5 +68.9|1079|19 44.5||~~69 0~~||+68

60|6.2|_||6.4|1 1 7 5 5 9|. |

19 51 +59.3|2137|19 51.0|+59 19|5.8|_||6.6|7 7 3 5 7|. |

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



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

120

January 12, 1884

Plate 742.

[[8 columned table]]

|V|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines|

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

7.5|17.6|| |6|~~[[/strickethrough]]~~?~~[[/strickethrough]]~~K=.2H|2|-|

7.3|19.8||| b|233|~~[[/strickethrough]]~~3~~[[/strickethrough]]~~2|N|2|seen|

6.5|17.0|||

b.c.|234|~~[[/strickethrough]]~~4~~[[/strickethrough]]~~2~~[[/strickethrough]]~~K=H~~[[/stricket~~

hrough]]K=.2H|3|seen|

6.0|12.9|| ?|

~~[[/strickethrough]]~~3~~[[/strickethrough]]~~4~~[[/strickethrough]]~~N~~[[/strickethrough]]~~K=

H|1|-|

6.0|20.5|| d ?| |3|N ?|1|-|

2.5|11.1|| |3|N|1|-|

Plate 693.

[[8 columned table]]

|22.0|10.4|| |~~[[/strickethrough]]~~4~~[[/strickethrough]]~~5|N|1|-|

|22.5|16.0|| ?|~~[[/strickethrough]]~~~~[[/strickethrough]]~~~~[[/strickethrough]]~~2

4~~[[/strickethrough]]~~3|N K=H|1 1|---|

|21.8|17.1|| |~~[[/strickethrough]]~~6~~[[/strickethrough]]~~8|K=.2H|2|-|

|20.5|8.2|| |~~[[/strickethrough]]~~6~~[[/strickethrough]]~~7|K=.2H|3|-|

|20.4|13.9||a?|235|~~[[/strickethrough]]~~4~~[[/strickethrough]]~~3~~[[/strickethrough]]~~?~~[[/strickethrough]]~~K=H|1|F seen|

|19.5|15.3|| |5|N|2|F|

||| 6.5, 6.9 19.5|20.5|||

b|236|~~[[/strickethrough]]~~2~~[[/strickethrough]]~~3~~[[/strickethrough]]~~N~~[[/strickethrough]]~~K=H|2|F seen|

|19.0|13.9|||

~~[[/strickethrough]]~~4~~[[/strickethrough]]~~6~~[[/strickethrough]]~~N~~[[/strickethrough]]~~K=.

5H|1|-|

|17.4|8.9|| |~~[[/strickethrough]]~~2~~[[/strickethrough]]~~3|N|1|-|

|17.0|10.0|||

~~[[/strickethrough]]~~8~~[[/strickethrough]]~~9~~[[/strickethrough]]~~K=.5H~~[[/strickethrough]]~~

K=.3H|3|-|

|16.0|10.3|| |6|K=.5H|1|-|

|15.1|9.0|| |3|N|1|-|

|14.5|7.2|| |~~[[/strickethrough]]~~5~~[[/strickethrough]]~~6|N|1|-|

|14.5|22.9|| |~~[[/strickethrough]]~~7~~[[/strickethrough]]~~8|K=.2H|0|-|

|14.3|23.2|||

~~[[/strickethrough]]~~5~~[[/strickethrough]]~~7~~[[/strickethrough]]~~N~~[[/strickethrough]]~~K=.

1H ?|2|-|

|14.0|22.1|| |~~[[/strickethrough]]~~4~~[[/strickethrough]]~~5|N|1|-|

|14.1|13.3|| |~~[[/strickethrough]]~~3~~[[/strickethrough]]~~4|N|1|-|

|14.1|14.0||~~[[/strickethrough]]~~~~[[/strickethrough]]~~1|a

?|237|2|~~[[/strickethrough]]~~N~~[[/strickethrough]]~~K=H|1|seen|

|13.7|11.6|| |8|~~[[/strickethrough]]~~K=.5H~~[[/strickethrough]]~~K=.3H|4|-|

|13.5|16.5|| |~~[[/strickethrough]]~~3~~[[/strickethrough]]~~4|N|1|-|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

121

$19.3^{[[^]]} + 54^{[[^]]} 12|6.7|. |7.2 .6 7.8 6.0|6.0.^{[[[symbol - checkmark]]}]$
 $20 33 + 74.5|87|[\text{strikethrough}]1|[\text{strikethrough}]^{[[2]]}20$
 $33.4^{[[^]]} + 74^{[[^]]} 26|5.5|_5.8 1.4 7.2 5.4|4.6.^{[[[symbol - checkmark]]}]$
 $[\text{underline}]20|[\text{underline}] 14.8 + 54.9|2329|20 14.8^{[[^]]} + 54^{[[^]]}$
 $57|6.0|_6.6 .6 7.2 5.4|5.4.^{[[[symbol - checkmark]]}]$
 $20 26 + 65.2|1466|20 26.2^{[[^]]} + 65^{[[^]]} 16|6.3|. |6.9 .9 7.8$
 $6.0|5.7.^{[[[symbol - checkmark]]}]$
 $20 [\text{strikethrough}]56.5|[\text{strikethrough}]^{[[26]]}$
 $[\text{strikethrough}] + 75.3|[\text{strikethrough}]^{[[+55.6]]}[\text{strikethrough}]764|20$
 $56.5| + 75 21|6.0|[\text{strikethrough}]^{[[2511|20$
 $[\text{strikethrough}]26|[\text{strikethrough}]^{[[25.8^{[[^]]}]]} + 55^{[[^]]}$
 $32|6.0|[\text{strikethrough}]3702 6.3 20 + 2|[\text{strikethrough}]6.8 1.5 8.3$
 $6.5|5.6.^{[[[symbol - checkmark]]}]$
 $19 19.9 + 65.4|1345|19 19.9^{[[^]]} + 65^{[[^]]} 26|5.3|_5.5 1.0 6.5$
 $4.7|4.3.^{[[[symbol - checkmark]]}]$
 $18 51 + 75.3|682|18 51.0^{[[^]]} + 75^{[[^]]}$
 $16|5.8|_6.3|[\text{underline}]6.3|[\text{underline}] 1.5 7.8$
 $[\text{underline}]6.0|[\text{underline}]|[\text{underline}]5.1|[\text{underline}].^{[[[symbol - checkmark]]}]$
 $18 58 + 75.5|683|18 58.4^{[[^]]} + 75^{[[^]]} 35|6.5|. |6.7 1.5 8.2$
 $6.4|5.5.^{[[[symbol - checkmark]]}]$
 $20 5 + 65.9|1433|20 5.8^{[[^]]} + 65^{[[^]]} 53|7.0|. |7.0 1.0 8.0$
 $6.2|5.8.^{[[[symbol - checkmark]]}]$
 $20 2 + 55.9|2324|20 2.0^{[[^]]} + 55^{[[^]]} 55|6.5|_7.0 .6 7.6$
 $5.8|5.8.^{[[[symbol - checkmark]]}]$
 $20 10 + 56.2|2376|20 10.0^{[[^]]} + 56^{[[^]]} 8|4.5|_5.6 .6 6.2$
 $4.4|4.4.^{[[[symbol - checkmark]]}]$
 $19 53 + 56.3|2331|19 53.2^{[[^]]} + 56^{[[^]]} 18|6.3|3469 6.1 14 -4|6.9$
 $[\text{underline}]6.7 5.7|[\text{underline}]5.7.^{[[[symbol - checkmark]]}]$

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 12, 1887.

Plate 693.

[[8 column table]]

[V|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines.]

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

13.0|19.8||| ~~6~~ ~~7~~ K=H|3|F|

13.4|8.2|||

~~4~~ ~~5~~ ~~N~~ K=.

5H|1|-|

13.0|6.1|| d|

~~3~~ ~~5~~ ~~?~~ K=.

5H?|1|-|

11.8|17.2||| ~~6~~ ~~8~~ N|3|-|11.8|20.8||| ~~1~~ |a|238| ~~4~~ ~~2~~ ~~?~~ ~~h~~ K=H|1|seen|11.7|13.0||| ~~9~~ ~~10~~ N|5|F seen|

11.1|14.1|||

bc|239| ~~3~~ ~~2~~ ~~N~~ ~~gh~~ K=H|1|seen|

10.5|23.6|||

bc|240| ~~6~~ ~~2~~ K=2.0H|~~3~~ seen|10.0|7.1||| ~~5~~ ~~6~~ N|2|-|

9.9|17.0||| 4|K=H|1|-|

8.0|17.3||| ~~5~~ ~~6~~ K=.2H|2|-|7.5|17.2||| ~~6~~ ~~8~~ K=.2H|2|-|

7.5|16.9||| 5|N|1|-|

8.0|10.5|| ? | 3|N|1|-|

7.0|19.3||| b|241| ~~5~~ ~~2~~ K=H|2|seen|

6.4|16.4|||

bc|242| ~~7~~ ~~4~~ ~~2~~ ~~gh~~ K=H|~~3~~ bright seen|6.0|20.1||| 4| ~~N~~ K=H|1|-|

6.0|12.5|||

~~4~~ ~~5~~ ~~N~~ K=.

2H|1|-|

4.0|8.1||| 4|N|1|-|

Plate 770 Not an E. plate

[[8 column table]]

17.9|11.8||| 3|N|1|-|

17.5|15.3||| 4|K=H|1|-|

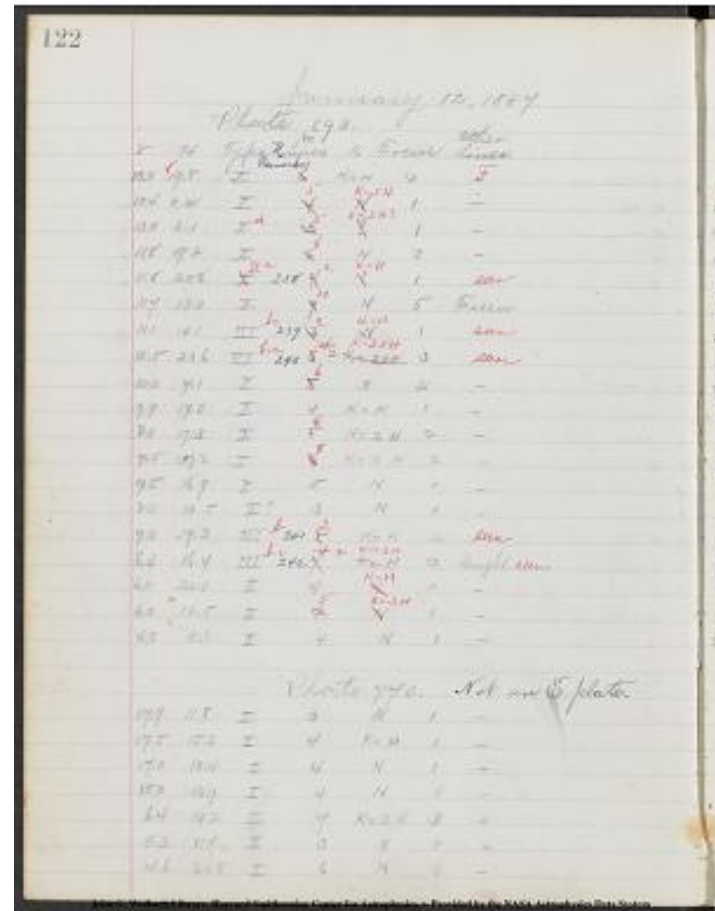
17.0|18.4||| 4|N|1|-|

15.0|13.7||| 4|N|1|-|

6.4|14.2||| 7|K=.2H|3|-|

5.3|11.7||| 3|N|1|-|

4.6|20.8||| 6|N|3|-|



Mean 12.

[[11 columned table]]
 | No. | R.A. | Dec. | Mag. | | Br. | | | | |
 19 14 +76.3|717|19 14.4[^][[^]]+76[^][[^]]
 19|5.5|_6.0|[[overlined]]6|6.6|4.8|[[overlined]]4.8|
 20 23 +56.2|2421|20 22.9[^][[^]]+56[^][[^]] 10|6.6|_6.9|6|7.5|5.7|5.7|
 20 42 +66.2|1318|20 41.4[^][[^]]+66[^][[^]]
 8|5.5|_[[underlined]]6.7|[[underlined]]1.0|7.7|[[underlined]]5.9|[[underlined]]5.5|[[underlined]]5.5|
 19 50 +57.1|2084|19 50.3[^][[^]]+57[^][[^]] 8|5.4|3455 5.1 17-
 1|6.1|7|6.8|5.0|4.9|
 19 4 +76.9|712|19 3.9[^][[^]]+76[^][[^]] 50|6.5|_7.2|1.6|8.8|7.0|6.0|
 20 13 +77.3|764|20 13.8[^][[^]]+77[^][[^]] 16|4.8|3545 4.4 18 [[symbol:
 plus-minus]]0|4.6|1.6|6.2|4.4|3.4|
 | | | | |6.5|}|7.5|5.7|}|5.3|
 20 2 +67.5|1222|20 2.2[^][[^]]+67[^][[^]] 27|5.1|_6.9|1.0|}|7.9|6.1|}|5.7|
 | | | | |
 |[[underlined]]5.5|[[underlined]]}|6.5|[[underlined]]4.7|[[underlined]]}|[[un
 derlined]]|[[underlined]]4.3|}
 19 12.5 +67.4|1129|19 12.5[^][[^]]+67[^][[^]]
 24|3.4|_[[underlined]]5.8|[[underlined]]}|1.0|}|6.8|[[underlined]]5.0|[[underl
 ined]]|[[underlined]]4.6|[[underlined]]}|
 21 8 +77.5|800|21 8.4[^][[^]]+77[^][[^]] 32|6.1|3733 5.8 21
 +3|6.2|1.7|7.9|6.1|5.0|
 19 46 +68.1|1082|19 46.6[^][[^]]+68[^][[^]] 4|6.4|_7.0|1.1|8.1|6.3|5.8|
 19 44 +68.9|1079|19
 44.5[^][[^]]+[[strikethrough]]69|[[strikethrough]]68[^][[^]]
 [[strikethrough]]0|[[strikethrough]]60|6.2|_6.5|1.1|7.6|5.8|5.3|
 19 30 +79.4|628|19 30.4[^][[^]]+79[^][[^]] 18|6.3|_6.4|1.8|8.2|6.4|5.2|
 19 51 +59.3|2137|19 51.0[^][[^]]+59[^][[^]] 19|5.8|3457 3.0 13 _
 5|6.6|7|7.3|55|5.4|
 20 41 +78.9|716|20 41.6[^][[^]]+78[^][[^]] 54|6.9|_6.7|1.8|8.5|6.7|5.5|
 | | | | |6.2|}|7.3|5.5|}|5.0|
 19 32 +69.4|1053|19 32.6[^][[^]]+69[^][[^]] 25|5.0|_6.5|1.1|}|7.6|5.8|}|5.3|
 | | | | |5.7|}|6.9|5.1|}|4.5|
 19 48 +69.9|1070|19 48.6[^][[^]]+69[^][[^]] 53|3.8|_6.0|1.2|7.2|5.4|}|4.8|
 18 559 +79.8|604|18 55.8[^][[^]]+79[^][[^]] 46|6.5|_7.0|1.9|8.9|7.1|5.8|
 20 23 +80.1|650|20 22.6[^][[^]]+80[^][[^]] 4|6.8|_6.9|1.9|8.8|7.0|5.7|
 21 19 +80.6|690|21 19.2[^][[^]]+80[^][[^]] 37|6.3|
 v|6.8|[[underlined]]2.0|8.8|7.0|[[underlined]]5.6
 [[/11 columned table]]

[[calculation]]

123

Mean 12.

Br.

| | | | | |
|--|--|------------------------|----------------------|-------------------|
| 19 14 | +76.3 | 717 | 19 14.4 [^] | 76 [^] |
| 19 5.5 | 6.0 | [[overlined]]6 6.6 4.8 | [[overlined]]4.8 | |
| 20 23 | +56.2 | 2421 | 20 22.9 [^] | 56 [^] |
| 20 42 | +66.2 | 1318 | 20 41.4 [^] | 66 [^] |
| 8 5.5 | [[underlined]]6.7 | [[underlined]]1.0 7.7 | [[underlined]]5.9 | [[underlined]]5.5 |
| 19 50 | +57.1 | 2084 | 19 50.3 [^] | 57 [^] |
| 1 6.1 7 6.8 5.0 4.9 | | | | |
| 19 4 | +76.9 | 712 | 19 3.9 [^] | 76 [^] |
| 20 13 | +77.3 | 764 | 20 13.8 [^] | 77 [^] |
| 16 4.8 3545 4.4 18 | [[symbol:
plus-minus]]0 4.6 1.6 6.2 4.4 3.4 | | | |
| 6.5 } 7.5 5.7 } 5.3 | | | | |
| 20 2 | +67.5 | 1222 | 20 2.2 [^] | 67 [^] |
| 27 5.1 _6.9 1.0 } 7.9 6.1 } 5.7 | | | | |
| | | | | |
| [[underlined]]5.5 [[underlined]]} 6.5 [[underlined]]4.7 [[underlined]]} [[un
derlined]] [[underlined]]4.3 } | | | | |
| 19 12.5 | +67.4 | 1129 | 19 12.5 [^] | 67 [^] |
| 24 3.4 _[[underlined]]5.8 [[underlined]]} 1.0 } 6.8 [[underlined]]5.0 [[underl
ined]] [[underlined]]4.6 [[underlined]]} | | | | |
| 21 8 | +77.5 | 800 | 21 8.4 [^] | 77 [^] |
| 32 6.1 3733 5.8 21 | | | | |
| +3 6.2 1.7 7.9 6.1 5.0 | | | | |
| 19 46 | +68.1 | 1082 | 19 46.6 [^] | 68 [^] |
| 19 44 | +68.9 | 1079 | 19 | |
| 44.5 [^] | [[^]]+[[strikethrough]]69 [[strikethrough]]68 [^] | | | |
| [[strikethrough]]0 [[strikethrough]]60 6.2 _6.5 1.1 7.6 5.8 5.3 | | | | |
| 19 30 | +79.4 | 628 | 19 30.4 [^] | 79 [^] |
| 18 6.3 _6.4 1.8 8.2 6.4 5.2 | | | | |
| 19 51 | +59.3 | 2137 | 19 51.0 [^] | 59 [^] |
| 19 5.8 3457 3.0 13 _ | | | | |
| 5 6.6 7 7.3 55 5.4 | | | | |
| 20 41 | +78.9 | 716 | 20 41.6 [^] | 78 [^] |
| 54 6.9 _6.7 1.8 8.5 6.7 5.5 | | | | |
| 6.2 } 7.3 5.5 } 5.0 | | | | |
| 19 32 | +69.4 | 1053 | 19 32.6 [^] | 69 [^] |
| 25 5.0 _6.5 1.1 } 7.6 5.8 } 5.3 | | | | |
| 5.7 } 6.9 5.1 } 4.5 | | | | |
| 19 48 | +69.9 | 1070 | 19 48.6 [^] | 69 [^] |
| 53 3.8 _6.0 1.2 7.2 5.4 } 4.8 | | | | |
| 18 559 | +79.8 | 604 | 18 55.8 [^] | 79 [^] |
| 46 6.5 _7.0 1.9 8.9 7.1 5.8 | | | | |
| 20 23 | +80.1 | 650 | 20 22.6 [^] | 80 [^] |
| 4 6.8 _6.9 1.9 8.8 7.0 5.7 | | | | |
| 21 19 | +80.6 | 690 | 21 19.2 [^] | 80 [^] |
| 37 6.3 | | | | |
| v 6.8 [[underlined]]2.0 8.8 7.0 [[underlined]]5.6 | | | | |

$$\frac{111.7}{7}$$

January 12, 1887.

Plate 800.

[8 columned table]

[V][H][Type][No. Remarks?][No. Lines][K][Focus][Other Lines]

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

21.0|17.5||

[[~~6~~]/[~~8~~]]N[[~~6~~]]K=.

2H2|3|-|

16.4|20.9|| [[~~3~~]/[~~4~~]]N|1|-|18.0|14.4|[[~~1~~]]?[[~~1~~]]|[[~~3~~]]32[[~~3~~]]N K=H[[~~1~~]]N.1|-|16.0|13.4|[[~~1~~]]|2[[~~1~~]]N[[~~1~~]]K=H|1|-|15.9|14.9|| [[~~4~~]/[~~4~~]]3|N|1|-|

15.6|16.0|?| 3|N|1|-|

[[~~15.6~~]/[~~16.1~~]]| 3|N K=H|1|-|15.2|23.4|| [[~~2~~]/[~~4~~]]4|N|1|F|

15.4|6.6||

[[~~7~~]/[~~8~~]]N|4|F[[~~7~~]]?[[~~h~~]]

14.5|11.4||

[[~~4~~]/[~~6~~]]N[[~~4~~]]K=.5H|1|[[~~4~~]]-4[[~~1~~]]F|14.0|14.8|[[~~1~~]]|[[~~3~~]/[~~2~~]]N|1|-|14.0|10.4|[[~~1~~]]?[[~~1~~]] 3|N|1|-|13.5|14.1||| b.c.|247|[[~~6~~]/[~~3~~]]K=H|3|Brightseen. [[~~1~~]]F[[~~1~~]]

12.0|13.7||

[[~~4~~]/[~~5~~]]N[[~~4~~]]K=.

2H2|2|-|

12.0|20.1|| [[~~4~~]/[~~3~~]]N|1|-|12.1|22.0|?| [[~~2~~]/[~~3~~]]N|1|-|

11.5|6.4||

[[~~8~~]/[~~9~~]]K=.2H|4|F[[~~8~~]]?[[~~h~~]]11.0|17.7|| 5|[[~~1~~]]K=H[[~~1~~]]K=.6H|1|-|

9.8|14.3|| 3|N|1|-|

9.0|18.4|| [[~~5~~]/[~~4~~]]N|1|-|8.1|21.3|| [[~~4~~]/[~~3~~]]N|1|-|7.5|15.5|| [[~~4~~]/[~~5~~]]N?|1|-|7.8|19.3|[[~~1~~]]|[[~~3~~]/[~~1~~]]N|1|-|

7.0|15.5|| 6|N|2|-|

7.0|6.8|[[~~1~~]]?[[~~1~~]]|2[[~~1~~]]N[[~~1~~]]K=H|2|-|

4.5|10.5||

[[~~5~~]/[~~7~~]]N|2|F[[~~5~~]]?[[~~h~~]]3.7|14.4|| [[~~2~~]/[~~3~~]]N|1|-|

[8 columned table]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31



19 32 +83.2|552|19 33.4^{[[^]]}+83^{[[^]]} 10|6.0|3378 6.3 29
[[/strikethrough]]+1[[/strikethrough]]^{[[+1]]}6.9 2.3 9.2
[[/strikethrough]]6.4[[/strikethrough]]^{[[6.4]]}5.1. [[symbol - checkmark]]

18 44 +83.1|536|18 43.2^{[[^]]}+83^{[[^]]} 4|6.2|6.9 2.3 9.2 6.4|5.1. [[symbol
- checkmark]]

20 [[/strikethrough]]20[[/strikethrough]]^{[[33]]}
+[[/strikethrough]]84.3[[/strikethrough]]^{[[74.4]]}[[/strikethrough]]451|20
20.0^{[[^]]}+84^{[[^]]} 74|7.0[[/strikethrough]]^{[[/strikethrough]]872|20}
33.4|+74
26|5.5[[/strikethrough]]^{[[/strikethrough]]6.0[[/strikethrough]]^{[[7.0]]} 2.5}
8.5 5.7[[/strikethrough]]4[[/strikethrough]]^{[[5]]}.2. [[symbol - checkmark]]

19 10 +83.7|547|19 10.4^{[[^]]}+83^{[[^]]} 42|6.5|_7.4 2.4 9.8
7.0|5.6. [[symbol - checkmark]]

20 34 +74.5|872|20 33.4^{[[^]]}+74^{[[^]]} 26|5.5|3614 5.1 33
[[/strikethrough]]+54^{[[+5^[[+6[[/strikethrough]]}]]
+5]]^{[[/strikethrough]]7.0[[/strikethrough]]^{[[6.0]]} 1.4 8.4}
[[/strikethrough]]5.5[[/strikethrough]]^{[[5.6]]}[[/strikethrough]]5[[/strikethrou
gh]]^{[[4]]}.2. [[symbol - checkmark]]

21 16 +64.2|1527|21 16.5^{[[^]]}+64^{[[^]]}
17|5.5|_[[/underline]]7.0[[/underline]] .9 7.9
[[/underline]]5.1[[/underline]]^{[[/underline]]5.2. [[/underline]]}[[symbol -
checkmark]]

22 24 +85.4|383|22 24.2^{[[^]]}+85^{[[^]]} 23|5.0|3968 5.4 31
[[/strikethrough]]+3^{[[+3 +4[[/strikethrough]] +3]]}5.8 2.7 8.5
[[/strikethrough]]5.7[[/strikethrough]]^{[[5.7]]}4.0. [[symbol - checkmark]]

20 415
+[[/strikethrough]]76.3[[/strikethrough]]^{[[66.1]]}[[/strikethrough]]809|20
41.0|+76 19|7.1[[/strikethrough]]^{[[1318|20 41.4^{[[^]]}+66^{[[^]]} 8|55]]}7.0
[[/underline]]1.6 8.6 5.8[[/underline]]5.2. [[symbol - checkmark]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 12, 1884

Plate 96

| v | H | Type | No. lines | K | focus | other lines |
|------|------|------------|-----------|--------|-------|-------------|
| | | | remarks | | | |
| 22.9 | 23.0 | I | 7 | K=.2H | 2 | - |
| 22.0 | 9.4 | I | 4 | K=H | 1 | - |
| 21.5 | 14.2 | IIa 248 | 1 | K=H | 1 | Fseen |
| 20.9 | 17.4 | I | 8 | N | 3 | - |
| 20.1 | 11.5 | I | 6 | K=.2H | 1 | - |
| 19.1 | 7.4 | I | 4 | K=H | 1 | - |
| 17.8 | 14.4 | IIa 249 | 2 | K=H | 1 | - |
| 17.1 | 19.3 | I | 5 | K=H | 1 | - |
| 16.5 | 7.5 | I | 3 | N | 1 | - |
| 16.1 | 20.9 | I | 6 | K=.3H | 2 | F |
| 16.1 | 15.1 | I d | 4 | K=H | 1 | - |
| 15.5 | 10.2 | III | 2 | K=H | 1 | - |
| 15.8 | 13.3 | III b 250 | 2 | K=H | 1 | - |
| 15.6 | 14.8 | I | 4 | N? | 1 | - |
| 15.6 | 15.9 | I | 4 | K=H | 1 | - |
| 15.6 | 16.0 | I | 5 | N? | 1 | - |
| 15.0 | 23.4 | III b 251 | 3 | K=2.0H | 3 | Fseen |
| 14.1 | 23.5 | I d | 4 | K=H | 1 | - |
| 15.0 | 6.6 | I | 8 | N | 5 | Fseen |
| 15.0 | 11.2 | I | 4 | K=H | 1 | - |
| 14.5 | 14.7 | III | 1 | N | 1 | - |
| 14.5 | 12.0 | I | 5 | K=H | 1 | F |
| 14.3 | 11.3 | I | 8 | K=.5H | 2 | - |
| 13.8 | 10.4 | II 252 | 2 | K=H | 1 | Fseen |
| 14.0 | 14.7 | III | 2 | K=H | 1 | - |
| 13.3 | 14.1 | III bc 253 | 3 | K=1.2H | 3 | F? Bright |
| 12.0 | 20.0 | I | 6 | N | 2 | - |
| 11.9 | 13.6 | I | 8 | K=.2H | 3 | F |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 16

[NO].[R.A.]DEC.[MAG.] [Br.] [[?]]?
 20 10 +56.1|[[symbol-dot]]2376|20|10.0^+56^+|4.5|-
 [[underline]]|[[strikethrough]]6.1|[[strikethrough]] 6.7
 [[strikethrough]]4.6|[[strikethrough]]|[[symbol-dot]]|[[symbol-check]]|1|
 21 24 +76.5|[[symbol-dot]]836|21|23.7^+76^+|28|6.5|-
 [[underline]]7.0|[[underline]] 1.6 8.6
 [[underline]]6.5|[[symbol-dot]]|[[symbol-dot]]|[[underline]]5.4|[[underline]]|[[symbol-check]]|3|
 20 42 +57.0|[[symbol-dot]]2240|20|41.8^+57^+|4.4.5|-
 [[underline]]6.6|[[underline]] 7.7 3 |[[underline]]5.2|[[symbol-dot]]|[[symbol-check]]|1|
 20 13 +77.3|[[symbol-dot]]764|20|13.8^+77^+|16|4.8|3.5 4.5 4.4 27
 +6|5.5 1.6 7.1 5.0|[[symbol-dot]]3.9|[[symbol-check]]|3|
 21 8 +77.5|[[symbol-dot]]800|21|8.4^+77^+|32|6.1|-|6.5 1.7 8.2
 6.1|[[symbol-dot]]4.9|[[symbol-check]]|3|
 21 47 +77.5|[[symbol-dot]]834|21|46.8^+77^+|34|7.0|-|7.0 1.7 8.7
 6.6|[[symbol-dot]]5.4|[[symbol-check]]|3|
 20 42 +78.9|[[symbol-dot]]716|20|41.6^+78^+|54|6.9|-|6.8 1.8 8.6
 6.5|[[symbol-dot]]5.2|[[symbol-check]]|3|
 20 22 +59.1|[[symbol-dot]]2228|20|22.1^+59^+|8|6.4|-|6.9 7.7 7.6
 5.5|[[symbol-dot]]5.3|[[symbol-check]]|1|
 21 8 +59.4|[[symbol-dot]]2334|21|8.1^+59^+|22|6.0|3736 5.5 19.2|6.7 7.7
 7.4 5.3|[[symbol-dot]]5.1|[[symbol-check]]|1|
 19 31 +79.3|[[symbol-dot]]628|19|30.4^+79^+|18|6.3|-|6.4 1.8 8.2
 6.1|[[symbol-dot]]4.8|[[symbol-check]]|3|
 20 33 +79.7|[[symbol-dot]]675|20|32.6^+79^+|43|7.3|-|7.0 1.9 8.9
 6.8|[[symbol-dot]]5.4|[[symbol-check]]|3|
 21 29 +79.9|[[symbol-dot]]707|21|29.0^+79^+|54|6.0|-|6.8 7.0| 1.9| 8.7
 8.9| 6.6 6.8|[[symbol-dot]]5.2 5.4|[[symbol-check]]|3|
 20 53 +80.0|[[symbol-dot]]672|20|54.1^+80^+|5|3.1|-|6.7 7.0| 1.9| 8.6
 8.9| 6.5 6.8|[[symbol-dot]]5.1 5.4|[[symbol-check]]|3|
 20 39 +60.1|[[symbol-dot]]2154|20|39.6^+60^+|4|6.2| 6.9 8.7 7.5
 5.6|[[symbol-dot]]5.3|[[symbol-check]]|1|
 20 32 +70.0|[[symbol-dot]]1126|20|32.1^+70^+|3|6.8|-|7.0 1.2 8.2
 6.1|[[symbol-dot]]5.4|[[symbol-check]]|2|
 20 22 +80.1|[[symbol-dot]]650|20|22.6^+80^+|4|6.8| 6.8 1.9 8.7
 6.6|[[symbol-dot]]5.2|[[symbol-check]]|3|
 19 48 +69.9|[[symbol-dot]]1070|19|48.6^+69^+|53|3.8|-|[[underline]]5.8
 6.1|[[underline]] 1.2| 7.0 7.3| [[underline]]4.9 5.2|[[underline]]|[[symbol-dot]]|[[symbol-check]]|2|
 18 56 +79.7|[[symbol-dot]]604|18|55.8^+79^+|46|6.5|-
 [[underline]]6.9|[[underline]] 1.9 8.8
 [[underline]]6.7|[[underline]]|[[symbol-dot]]|[[underline]]5.3|[[underline]]|[[symbol-check]]|3|
 21 26 +69.9|[[symbol-dot]]1173|21|26.8^+69^+|56|3.0|[[symbol-dot]]|3798
 3.4 23 +2|[[underline]]4.5|[[underline]] 1.2 5.7
 [[underline]]3.6|[[underline]]|[[symbol-dot]]|[[underline]]2.9|[[underline]]|[[symbol-check]]|2|
 21 18 +80.2|[[symbol-dot]]688|21|[[symbol-dot]]18.2^+80^+|12|6.5|-|7.0
 1.9 8.9 6.8|[[symbol-dot]]5.4|[[symbol-check]]|3|
 20 38 +80.6|[[symbol-dot]]660|20|37.7^+80^+|35|6.1|-|6.8 7.1| 2.0| 8.8
 9.3| 6.7 7.0|[[symbol-dot]]5.2 5.5|[[symbol-check]]|3|
 21 10 +80.5|[[symbol-dot]]679|21|10.0^+80^+|36|7.0|-|6.9 2.0 8.9
 6.8|[[symbol-dot]]5.3|[[symbol-check]]|3|
 21 19 +80.6|[[symbol-dot]]690|21|19.2^+80^+|37|6.3|-|6.1 2.0 8.1
 6.0|[[symbol-dot]]4.5|[[symbol-check]]|3|

| No. | R.A. | Dec. | Mag. | Re | Im | Sp |
|-----|------|------|------|-----|-----|-----|
| 24 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 25 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 26 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 27 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 28 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 29 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 30 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 31 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 32 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 33 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 34 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 35 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 36 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 37 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 38 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 39 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 40 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 41 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 42 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 43 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 44 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 45 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 46 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 47 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 48 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 49 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 50 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 51 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 52 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 53 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 54 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 55 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 56 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 57 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 58 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 59 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 60 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 61 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 62 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 63 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 64 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 65 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 66 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 67 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 68 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 69 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 70 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 71 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 72 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 73 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 74 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 75 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 76 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 77 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 78 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 79 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 80 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 81 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 82 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| 83 | 10 | 51 | 2.2 | 1.0 | 1.0 | 1.0 |
| | | | | | | |

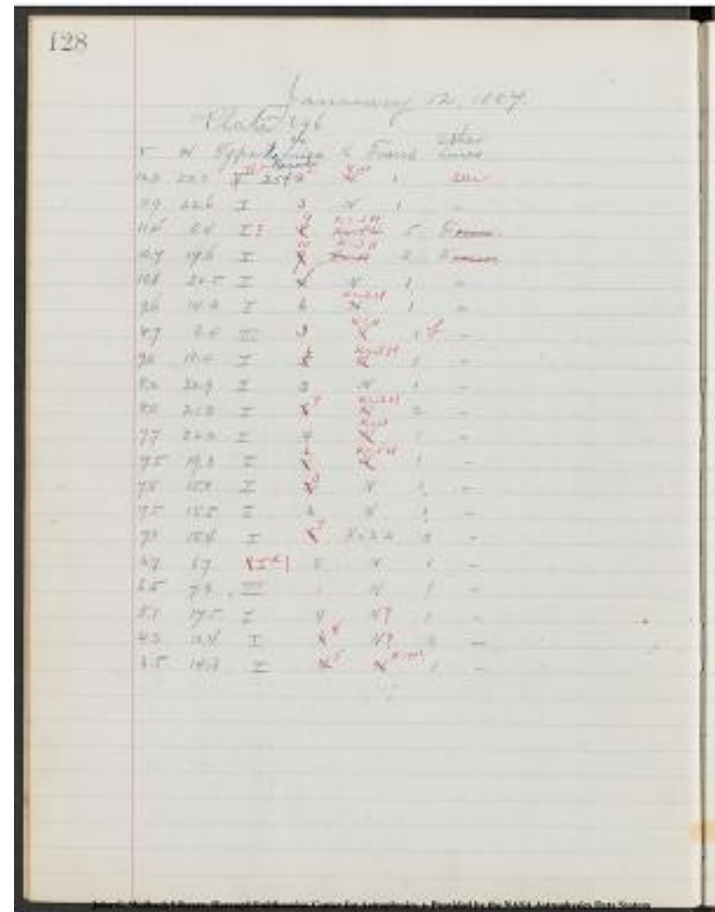
|21 5 +70.8|[[symbol-dot]]1164|21|5.5^|+70^|51|6.0|-|6.8 1.2 8.0
 5.9|[[symbol-dot]]5.2|[[symbol-check]]|2|
 |20 37 +80.9|[[symbol-dot]]659|20|37.2^|+80^|56|5.8|-|6.4 6.8} 2.0} 8.4
 8.8} 6.3 6.7}|[[symbol-dot]]4.8 5.2}|[[symbol-check]]|3|
 |20 42 +61.3|[[symbol-dot]]2050|20|42.4^|+61^|17|3.7|-|5.5 5.8} .8} 6.3
 6.6} 4.2 4.5}|[[symbol-dot]]3.9 4.2}|[[symbol-check]]|1|
 |20 17 +61.8|[[symbol-dot]]2000|20|17.2^|+61^|48|5.8|35 63 5.6, 6.5|6.4
 .8 7.2 5.1|[[symbol-dot]]4.8|[[symbol-check]]|1|
 |20 52 +81.9|[[symbol-dot]]718|20|52.8^|+81^|59|6.0|-|[[symbol-
 check]]|[[symbol-dot]]5.6 2.1 7.7 5.6|[[symbol-dot]]4.0|[[symbol-check]]|3|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

128

January 12, 1884
Plate 696

| v | H | Type | No. lines | K | focus | other lines |
|---------|------|------|-----------|---------|-------------------|-------------|
| Remarks | | | | | | |
| 12.0 | 22.0 | II a | 254 | 2 | K=H 1 | seen |
| 11.9 | 22.6 | I | 3 | N 1 | - | |
| 11.4 | 6.4 | I? | 9 | K=.2H 5 | F seen | |
| 10.7 | 17.6 | I | 10 | K=.3H 3 | F seen | |
| 10.1 | 20.5 | I | 5 | N 1 | - | |
| 9.6 | 14.3 | I | 6 | K=.2H 1 | - | |
| 8.7 | 6.4 | III | 3 | K=H 1 | L | |
| 9.0 | 18.4 | I | 6 | K=.5H 1 | - | |
| 8.2 | 22.9 | I | 3 | N 1 | - | |
| 8.0 | 21.3 | I | 7 | K=.2H 2 | - | |
| 7.7 | 22.2 | I | 4 | K=H 1 | - | |
| 7.5 | 19.3 | I | 6 | K=.5H 1 | - | |
| 7.8 | 15.0 | I | 3 | N 1 | - | |
| 7.5 | 15.5 | I | 3 | N 1 | - | |
| 7.0 | 15.4 | I | 7 | K=.2H 3 | - | |
| 6.7 | 6.7 | I d? | 4 | N 1 | - | |
| 6.5 | 7.3 | III | 1 | N 1 | - | |
| 5.1 | 17.5 | I | 4 | N? 1 | - | |
| 4.3 | 10.4 | I | 8 | N? 3 | - | |
| 3.5 | 14.3 | I | 5 | K=H? 1 | - | |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 16 Ex.

[[10 columned table]]

| No. | R.A. | DEC. | MAG. | Br. | Ex. | | | | |
|-------------------|------------------|------------------|------------------|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 20 9 | +61.6 | 1983 | 20 9.2 | +61 39 | 5.8 | -6.9 | 8 7.7 5.6 | •5.3 | 1 |
| 20 7 | +61.6 | 1978 | 20 6.6 | +61 39 | 6.8 | •7.1 | 8 7.9 5.8 | •5.5 | 1 |
| 21 15 | +61.9 | 2111 | 21 15.2 | +61 58 | 3.0 | - | 4.2 | 8 | |
| 5.0 | [[<u>4.9</u>]] | [[<u>4.9</u>]] | [[<u>4.9</u>]] | [[<u>4.9</u>]] | [[<u>4.9</u>]] | [[<u>4.9</u>]] | [[<u>4.9</u>]] | [[<u>4.9</u>]] | [[<u>4.9</u>]] |
| 20 27 | +62.5 | 1821 | 20 27.2 | +61 31 | 4.0 | -5.4 | 8 6.2 4.1 | •3.8 | 1 |
| 19 9 | +82.2 | 572 | 19 9.4 | +82 9 | 6.0 | •6.9 | 2.2 9.0 6.9 | •5.2 | 3 |
| 20 42 | +83.2 | 588 | 20 43.2 | +83 7 | 6.2 | -6.1 | 2.3 8.4 6.3 | •4.5 | 3 |
| 22 48 | +82.4 | 703 | 22 47.9 | +82 23 | 5.0 | - | | | |
| [[<u>6.7</u>]] | [[<u>6.4</u>]] | [[<u>6.4</u>]] | [[<u>6.4</u>]] | [[<u>6.4</u>]] | [[<u>6.4</u>]] | [[<u>6.4</u>]] | [[<u>6.4</u>]] | [[<u>6.4</u>]] | [[<u>6.4</u>]] |
| [[<u>6.8</u>]] | [[<u>6.5</u>]] | [[<u>6.5</u>]] | [[<u>6.5</u>]] | [[<u>6.5</u>]] | [[<u>6.5</u>]] | [[<u>6.5</u>]] | [[<u>6.5</u>]] | [[<u>6.5</u>]] | [[<u>6.5</u>]] |
| •[[<u>5.1</u>]] | [[<u>4.8</u>]] | [[<u>4.8</u>]] | [[<u>4.8</u>]] | [[<u>4.8</u>]] | [[<u>4.8</u>]] | [[<u>4.8</u>]] | [[<u>4.8</u>]] | [[<u>4.8</u>]] | [[<u>4.8</u>]] |
| 19 33 | +83.2 | 552 | 19 33.4 | +83 10 | 6.0 | -6.5 | 2.3 8.8 6.7 | •4.9 | 3 |
| 20 3 | +63.5 | 1593 | 20 2.9 | +63 | [[30]] | [[30]] | [[30]] | [[30]] | [[30]] |
| •6.8 | 9 7.7 5.6 | •5.2 | 1 | | | | | | |
| 18 43 | +83.1 | 536 | 18 43.2 | +83 4 | 6.2 | -6.1 | 2.3 8.4 6.3 | •4.5 | 3 |
| 18 28 | +82.9 | 540 | 18 28.6 | +82 52 | 7.5 | -6.9 | 2.3 9.2 7.1 | •5.3 | 3 |
| 19 10 | +83.7 | 547 | 19 10.4 | +83 42 | 6.5 | -6.7 | 2.4 9.1 7.0 | •5.1 | 3 |
| 20 30 | +84.1 | 462 | 20 30.0 | +84 5 | 7.0 | •7.0 | 2.5 9.5 7.4 | •5.4 | 3 |
| 20 20 | +84.3 | 451 | 20 20.0 | +84 14 | 7.0 | •6.8 | 2.5 9.3 7.2 | •5.2 | 3 |
| 20 33 | +74.5 | 872 | 20 33.4 | +74 26 | 5.5 | -6.2 | 1.4 7.6 5.5 | •4.6 | 2 |
| 21 16 | +64.2 | 1527 | 21 16.5 | +64 17 | 5.5 | [[<u>6.4</u>]] | [[<u>6.4</u>]] | [[<u>6.4</u>]] | [[<u>6.4</u>]] |
| 7.3 | [[<u>5.2</u>]] | [[<u>5.2</u>]] | [[<u>5.2</u>]] | [[<u>5.2</u>]] | [[<u>5.2</u>]] | [[<u>5.2</u>]] | [[<u>5.2</u>]] | [[<u>5.2</u>]] | [[<u>5.2</u>]] |
| 22 56 | +83.6 | 640 | 22 55.4 | +83 34 | 5.0 | -6.7 | [[<u>6.3</u>]] | 6.7 | 2.4 |
| 7.0 | [[<u>6.6</u>]] | •5.1 | [[<u>4.7</u>]] | [[<u>4.7</u>]] | [[<u>4.7</u>]] | [[<u>4.7</u>]] | [[<u>4.7</u>]] | [[<u>4.7</u>]] | [[<u>4.7</u>]] |
| 20 26 | +65.3 | 1466 | 20 26.2 | +65 16 | 6.3 | 7.2 | 9 8.1 6.0 | •5.6 | 1 |
| 22 24 | +85.3 | 383 | 22 24.2 | +85 23 | 5.0 | 5.5 | 2.7 8.2 6.1 | •3.9 | 3 |
| 20 41 | +66.1 | 1318 | 20 41.4 | +66 8 | 5.5 | -6.7 | 1.0 7.7 5.6 | •5.1 | 1 |

[[equation]]
[[equation]]

129

Mean 16 Ex.

[[10 columned table]]

No. R.A. DEC. MAG. |Br.| |Ex.|

20 9 +61.6 1983 20 9.2 +61 39 5.8 -6.9 8 7.7 5.6 •5.3 |1|

20 7 +61.6 1978 20 6.6 +61 39 6.8 •7.1 8 7.9 5.8 •5.5 |1|

21 15 +61.9 2111 21 15.2 +61 58 3.0 -4.2 8

5.0 [[4.9]] [[4.9]] [[4.9]] [[4.9]] [[4.9]]

20 27 +62.5 1821 20 27.2 +61 31 4.0 -5.4 8 6.2 4.1 •3.8 |1|

19 9 +82.2 572 19 9.4 +82 9 6.0 •6.9 2.2 9.0 6.9 •5.2 |3|

20 42 +83.2 588 20 43.2 +83 7 6.2 -6.1 2.3 8.4 6.3 •4.5 |3|

22 48 +82.4 703 22 47.9 +82 23 5.0 -

[[6.7]] [[6.4]] [[6.4]] [[6.4]] [[6.4]]

[[6.8]] [[6.5]] [[6.5]] [[6.5]] [[6.5]]

•[[5.1]] [[4.8]] [[4.8]] [[4.8]] [[4.8]]

19 33 +83.2 552 19 33.4 +83 10 6.0 -6.5 2.3 8.8 6.7 •4.9 |3|

20 3 +63.5 1593 20 2.9 +63 [[30]] [[30]] [[30]]

•6.8 9 7.7 5.6 •5.2 |1|

18 43 +83.1 536 18 43.2 +83 4 6.2 -6.1 2.3 8.4 6.3 •4.5 |3|

18 28 +82.9 540 18 28.6 +82 52 7.5 -6.9 2.3 9.2 7.1 •5.3 |3|

19 10 +83.7 547 19 10.4 +83 42 6.5 -6.7 2.4 9.1 7.0 •5.1 |3|

20 30 +84.1 462 20 30.0 +84 5 7.0 •7.0 2.5 9.5 7.4 •5.4 |3|

20 20 +84.3 451 20 20.0 +84 14 7.0 •6.8 2.5 9.3 7.2 •5.2 |3|

20 33 +74.5 872 20 33.4 +74 26 5.5 -6.2 1.4 7.6 5.5 •4.6 |2|

21 16 +64.2 1527 21 16.5 +64 17 5.5 [[6.4]] [[6.4]] [[6.4]]

7.3 [[5.2]] [[5.2]] [[5.2]] [[5.2]] [[5.2]]

22 56 +83.6 640 22 55.4 +83 34 5.0 -6.7 [[6.3]] 6.7 2.4 9.1 [[8.7]]

7.0 [[6.6]] •5.1 [[4.7]] [[4.7]] [[4.7]]

20 26 +65.3 1466 20 26.2 +65 16 6.3 7.2 9 8.1 6.0 •5.6 |1|

22 24 +85.3 383 22 24.2 +85 23 5.0 5.5 2.7 8.2 6.1 •3.9 |3|

20 41 +66.1 1318 20 41.4 +66 8 5.5 -6.7 1.0 7.7 5.6 •5.1 |1|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 13, 1887.
Plate 803.

[[8 column table]]

[V|H|Type|No. Remarks|No. Lines|K|Focus|other lines|

22.8|11.6|1|?

5[[/strikethrough]]2[[/strikethrough]]K=H[[/strikethrough]]N[[/strikethrough]]1|-|

21.9|16.2||

10[[/strikethrough]]9[[/strikethrough]]K=.4H[[/strikethrough]]K=.5H[[/strikethrough]]5|F seen.

21.0|13.6|| 4|N|1|-|

20.1|9.3|[[/strikethrough]]I[[/strikethrough]]I^a|255|[[/strikethrough]]3

4[[/strikethrough]]2|K=H|1|seen|

19.9|19.5|| 5[[/strikethrough]]4[[/strikethrough]]N|1|-|

19.2|10.3|| 3|N|1|-|

19.0|17.5|[[/strikethrough]]4[[/strikethrough]]5|N?|1|-|

18.5|22.4||

[[/strikethrough]]3[[/strikethrough]]4|K=H[[/strikethrough]]?N[[/strikethrough]]h||1|-|

17.3|6.3|I^a| 4[[/strikethrough]]6|? K=H?|2|-|

17.5|15.8|I^b|256|[[/strikethrough]]6[[/strikethrough]]7|N|2|-|

16.5|21.1|| 6[[/strikethrough]]7|N|2|-|

16.4|14.0|| 4[[/strikethrough]]5|N|1|-|

16.1|8.2|I 4[[/strikethrough]]?[[/strikethrough]]

[[/strikethrough]]3[[/strikethrough]]4|N|1|-|

15.3|7.4|| 4[[/strikethrough]]5|N|2|-|

15.4|9.1|| 3|N|1|-|

No star on plate 15.0|7.7[[/strikethrough]]9 4[[/strikethrough]]?| 2|N|1|-|

14.5|8.1|| 2[[/strikethrough]]3|N|1|-|

14.2|15.7|[[/strikethrough]]?[[/strikethrough]]

[[/strikethrough]]4[[/strikethrough]]5|N|1|-|

13.5|6.2|| 5[[/strikethrough]]6|N?|2|-|

13.5|7.9|| 4|N|1|-|

13.5|9.8|| 3|N|1|-|

13.5|14.0|| 7[[/strikethrough]]8|N|3|-|

13.5|21.3|| 5[[/strikethrough]]6|N|2|-|

13.1|22.9||

[[/strikethrough]]5[[/strikethrough]]6|[[/strikethrough]]N[[/strikethrough]]K=.

2H|2|-|

12.7|22.9|? I 3 4|N|1 1|-|-|

12.7|21.3|| 3|N|1|-|

13.0|13.7|| 4|N|1|-|

13.0|14.4||

[[/strikethrough]]4[[/strikethrough]]6|[[/strikethrough]]N[[/strikethrough]]K=.

2H|2|-|

130

January 13, 1887.

Plate 803.

[[8 column table]]

[V|H|Type|No. Remarks|No. Lines|K|Focus|other lines|

22.8|11.6|1|?

5[[/strikethrough]]2[[/strikethrough]]K=H[[/strikethrough]]N[[/strikethrough]]1|-|

21.9|16.2||

10[[/strikethrough]]9[[/strikethrough]]K=.4H[[/strikethrough]]K=.5H[[/strikethrough]]5|F seen.

21.0|13.6|| 4|N|1|-|

20.1|9.3|[[/strikethrough]]I[[/strikethrough]]I^a|255|[[/strikethrough]]3

4[[/strikethrough]]2|K=H|1|seen|

19.9|19.5|| 5[[/strikethrough]]4[[/strikethrough]]N|1|-|

19.2|10.3|| 3|N|1|-|

19.0|17.5|[[/strikethrough]]4[[/strikethrough]]5|N?|1|-|

18.5|22.4||

[[/strikethrough]]3[[/strikethrough]]4|K=H[[/strikethrough]]?N[[/strikethrough]]h||1|-|

17.3|6.3|I^a| 4[[/strikethrough]]6|? K=H?|2|-|

17.5|15.8|I^b|256|[[/strikethrough]]6[[/strikethrough]]7|N|2|-|

16.5|21.1|| 6[[/strikethrough]]7|N|2|-|

16.4|14.0|| 4[[/strikethrough]]5|N|1|-|

16.1|8.2|I 4[[/strikethrough]]?[[/strikethrough]]

[[/strikethrough]]3[[/strikethrough]]4|N|1|-|

15.3|7.4|| 4[[/strikethrough]]5|N|2|-|

15.4|9.1|| 3|N|1|-|

No star on plate 15.0|7.7[[/strikethrough]]9 4[[/strikethrough]]?| 2|N|1|-|

14.5|8.1|| 2[[/strikethrough]]3|N|1|-|

14.2|15.7|[[/strikethrough]]?[[/strikethrough]]

[[/strikethrough]]4[[/strikethrough]]5|N|1|-|

13.5|6.2|| 5[[/strikethrough]]6|N?|2|-|

13.5|7.9|| 4|N|1|-|

13.5|9.8|| 3|N|1|-|

13.5|14.0|| 7[[/strikethrough]]8|N|3|-|

13.5|21.3|| 5[[/strikethrough]]6|N|2|-|

13.1|22.9||

[[/strikethrough]]5[[/strikethrough]]6|[[/strikethrough]]N[[/strikethrough]]K=.

2H|2|-|

12.7|22.9|? I 3 4|N|1 1|-|-|

12.7|21.3|| 3|N|1|-|

13.0|13.7|| 4|N|1|-|

13.0|14.4||

[[/strikethrough]]4[[/strikethrough]]6|[[/strikethrough]]N[[/strikethrough]]K=.

2H|2|-|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

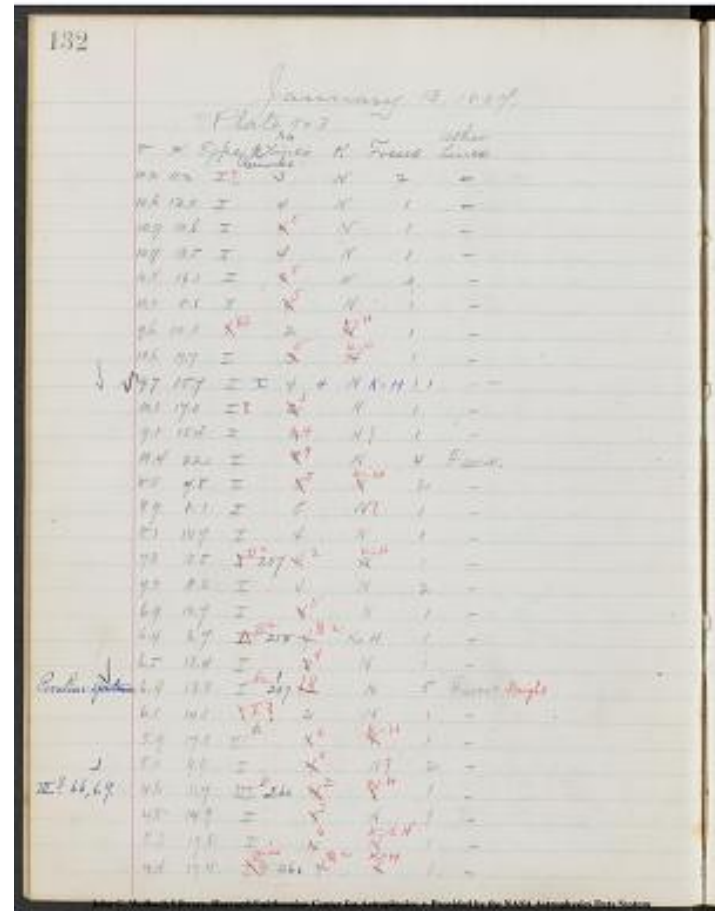
| No. R.A. Dec. Alt. | | Thy. | |
|--------------------|------|------|------|
| 1000 | 1000 | 1000 | 1000 |
| 1001 | 1001 | 1001 | 1001 |
| 1002 | 1002 | 1002 | 1002 |
| 1003 | 1003 | 1003 | 1003 |
| 1004 | 1004 | 1004 | 1004 |
| 1005 | 1005 | 1005 | 1005 |
| 1006 | 1006 | 1006 | 1006 |
| 1007 | 1007 | 1007 | 1007 |
| 1008 | 1008 | 1008 | 1008 |
| 1009 | 1009 | 1009 | 1009 |
| 1010 | 1010 | 1010 | 1010 |
| 1011 | 1011 | 1011 | 1011 |
| 1012 | 1012 | 1012 | 1012 |
| 1013 | 1013 | 1013 | 1013 |
| 1014 | 1014 | 1014 | 1014 |
| 1015 | 1015 | 1015 | 1015 |
| 1016 | 1016 | 1016 | 1016 |
| 1017 | 1017 | 1017 | 1017 |
| 1018 | 1018 | 1018 | 1018 |
| 1019 | 1019 | 1019 | 1019 |
| 1020 | 1020 | 1020 | 1020 |
| 1021 | 1021 | 1021 | 1021 |
| 1022 | 1022 | 1022 | 1022 |
| 1023 | 1023 | 1023 | 1023 |
| 1024 | 1024 | 1024 | 1024 |
| 1025 | 1025 | 1025 | 1025 |
| 1026 | 1026 | 1026 | 1026 |
| 1027 | 1027 | 1027 | 1027 |
| 1028 | 1028 | 1028 | 1028 |
| 1029 | 1029 | 1029 | 1029 |
| 1030 | 1030 | 1030 | 1030 |
| 1031 | 1031 | 1031 | 1031 |
| 1032 | 1032 | 1032 | 1032 |
| 1033 | 1033 | 1033 | 1033 |
| 1034 | 1034 | 1034 | 1034 |
| 1035 | 1035 | 1035 | 1035 |
| 1036 | 1036 | 1036 | 1036 |
| 1037 | 1037 | 1037 | 1037 |
| 1038 | 1038 | 1038 | 1038 |
| 1039 | 1039 | 1039 | 1039 |
| 1040 | 1040 | 1040 | 1040 |
| 1041 | 1041 | 1041 | 1041 |
| 1042 | 1042 | 1042 | 1042 |
| 1043 | 1043 | 1043 | 1043 |
| 1044 | 1044 | 1044 | 1044 |
| 1045 | 1045 | 1045 | 1045 |
| 1046 | 1046 | 1046 | 1046 |
| 1047 | 1047 | 1047 | 1047 |
| 1048 | 1048 | 1048 | 1048 |
| 1049 | 1049 | 1049 | 1049 |
| 1050 | 1050 | 1050 | 1050 |
| 1051 | 1051 | 1051 | 1051 |
| 1052 | 1052 | 1052 | 1052 |
| 1053 | 1053 | 1053 | 1053 |
| 1054 | 1054 | 1054 | 1054 |
| 1055 | 1055 | 1055 | 1055 |
| 1056 | 1056 | 1056 | 1056 |
| 1057 | 1057 | 1057 | 1057 |
| 1058 | 1058 | 1058 | 1058 |
| 1059 | 1059 | 1059 | 1059 |
| 1060 | 1060 | 1060 | 1060 |
| 1061 | 1061 | 1061 | 1061 |
| 1062 | 1062 | 1062 | 1062 |
| 1063 | 1063 | 1063 | 1063 |
| 1064 | 1064 | 1064 | 1064 |
| 1065 | 1065 | 1065 | 1065 |
| 1066 | 1066 | 1066 | 1066 |
| 1067 | 1067 | 1067 | 1067 |
| 1068 | 1068 | 1068 | 1068 |
| 1069 | 1069 | 1069 | 1069 |
| 1070 | 1070 | 1070 | 1070 |
| 1071 | 1071 | 1071 | 1071 |
| 1072 | 1072 | 1072 | 1072 |
| 1073 | 1073 | 1073 | 1073 |
| 1074 | 1074 | 1074 | 1074 |
| 1075 | 1075 | 1075 | 1075 |
| 1076 | 1076 | 1076 | 1076 |
| 1077 | 1077 | 1077 | 1077 |
| 1078 | 1078 | 1078 | 1078 |
| 1079 | 1079 | 1079 | 1079 |
| 1080 | 1080 | 1080 | 1080 |
| 1081 | 1081 | 1081 | 1081 |
| 1082 | 1082 | 1082 | 1082 |
| 1083 | 1083 | 1083 | 1083 |
| 1084 | 1084 | 1084 | 1084 |
| 1085 | 1085 | 1085 | 1085 |
| 1086 | 1086 | 1086 | 1086 |
| 1087 | 1087 | 1087 | 1087 |
| 1088 | 1088 | 1088 | 1088 |
| 1089 | 1089 | 1089 | 1089 |
| 1090 | 1090 | 1090 | 1090 |
| 1091 | 1091 | 1091 | 1091 |
| 1092 | 1092 | 1092 | 1092 |
| 1093 | 1093 | 1093 | 1093 |
| 1094 | 1094 | 1094 | 1094 |
| 1095 | | | |

6.4|•5.4
 |1441|21|45.9|+66|10|5.5|3796|5.420|~~3|~~
 3|~~5.3|~~5.4|•4
 .9
 |2524|20|58.2|+56|5|5.8|3711|5.914|~~9|~~
 9|~~5.3|~~5.2|
 6|6.7|6|7.3|~~5.2|~~5.3|•5.2|
 |1318|20|41.4|+66|8|5.5|6.7|1.0|7.7|~~5.6|~~
 5.7|•5.2|
 |~~726|~~2515|20|~~113.2|~~
 through]]52.4|~~75|~~+56|~~49~~
 |~~19|~~8.0|~~6.0|~~6.9|1.5|8.
 4|~~6.3|~~6.4|•5.4|
 |~~2524|~~2523|~~20|~~
 ugh]]20|~~58.2|~~58.0|~~56|~~
 kethrough]]56|~~5|~~29|~~5.8|~~
 trikethrough]]6.5|~~3711|~~5.
 9|~~7.2|~~6|7.8|~~5.7|~~5.8|•5.7|
 |1407|21|26.5|+66|25|6.5|•7.1|1.0|8.1|~~6.0|~~
 |6.1|•5.6|
 |836|21|23.7|+76|28|6.5|6.7|~~1.6|~~8.3|~~6.2|~~
 rough]]6.3|~~5.2~~
 John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics
 •
 Provided by the NASA Astrophysics Data System
 [[Left margin]]
 21 34+61.5
 21 15+61.9
 21 26+52.3
 21 57+72.5
 21 6+52.9
 21 51+73.0
 21 12+53.4
 20 4.6+63.5
 21 59+63.9
 21 16+64.2
 20 33+74.5
 21 24+54.7
 21 51+64.6
 21 47+55.1
 21 48+65.1
 [[squiggly line]]
 21 53+65.5
 21 13+75.6
 22 29+75.5
 22 16+75.8
 21 45+66.1
 21 25+66.2
 20 58+56.1
 20 42+66.2
 20 13+75.8
 20 58+58.x5
 21 26+66.4
 21 24+76.5

132

January 13, 1884
Plate 803

| v | H | type | no. lines | K | Focus | Other lines |
|---------|------|-------|-----------|-------|-------|---|
| Remarks | | | | | | |
| 12.2 | 11.2 | I ? | 3 | N | 2 | - |
| 10.6 | 12.0 | I | 4 | N | 1 | - |
| 10.9 | 12.6 | I | 5 | N | 1 | - |
| 10.7 | 13.5 | I | 4 | N | 1 | - |
| 10.8 | 16.1 | I | 8 | N | 3 | - |
| 10.0 | 8.1 | I | 5 | N | 1 | - |
| 9.6 | 10.1 | III | 2 | K=H | 1 | - |
| 10.6 | 17.7 | I | 5 | K=H | 1 | - |
| 9.7 | 15.4 | I I | 4 4 | N K=H | 1 1 | - |
| 10.0 | 17.0 | I | 3 | N | 1 | - |
| 9.1 | 15.4 | I | 4 | N ? | 1 | - |
| 10.4 | 22.1 | I | 9 | N | 4 | Fseen |
| 8.8 | 7.8 | I | 7 | K=.2H | 2 | - |
| 8.9 | 8.1 | I | 5 | N ? | 1 | - |
| 8.1 | 14.7 | I | 4 | N | 1 | - |
| 7.8 | 18.5 | II a | 257 2 | K=H | 1 | - |
| 7.3 | 18.2 | I | 4 | N | 2 | - |
| 6.9 | 10.7 | I | 5 | N | 1 | - |
| 6.4 | 6.7 | II a | 258 2 | K=H | 1 | - |
| 6.5 | 13.4 | I | 4 | N | 1 | - |
| 6.4 | 13.8 | I bc | 259 10 | N | 5 | Fseen Bright (right margin peculiar spectrum) |
| 6.1 | 14.1 | I ? | 2 | N | 1 | - |
| 5.9 | 17.1 | III | 2 | K=H | 1 | - |
| 5.0 | 9.9 | I | 5 | N ? | 2 | - |
| 4.6 | 11.7 | III b | 260 2 | K=H | 1 | - (right margin III? 6.6 6.9) |
| 4.8 | 14.9 | I | 7 | N | 1 | - |
| 5.3 | 19.8 | I | 6 | K=.2H | 1 | - |
| 4.4 | 17.4 | II a | 261 2 | K=H | 1 | - |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 15

| NO. | R.A. | DEC. | MAG. | Br. |
 21 34 +56.8|2617|21|34.5^+56^|50|6.2| |6.8 7 7.5
~~[[[strikethrough]]5.4[[[strikethrough]]5.5[[[symbol-dot]]5.3[[[symbol-check]]~~
 21 46 +77.6|834|21|46.8^+77^|34|7.0| |7.0 1.7 8.7
~~[[[strikethrough]]6.6[[[strikethrough]]6.7[[[symbol-dot]]5.5[[[symbol-check]]~~
 21 32 +67.5|1329|21|32.8^+67^|34|6.8| |6.8 1.0 7.8
~~[[[strikethrough]]5.7[[[strikethrough]]5.8[[[symbol-dot]]5.3[[[symbol-check]]~~
 21 28 +67.6|1322|21|28.1^+67^|39|7.3| |7.0 1.0 8.0
~~[[[strikethrough]]5.9[[[strikethrough]]6.0[[[symbol-dot]]5.5[[[symbol-check]]~~
 21 8 +77.5|800|21|8.4^+77^|32|6.1|3733 5.8 22 +2|6.3 1.7 8.0
~~[[[strikethrough]]5.9[[[strikethrough]]6.0[[[symbol-dot]]4.8[[[symbol-check]]~~
 22 22 +77.5|860|22|22.4^+77^|30|6.8| |6.9 1.7 8.6
~~[[[strikethrough]]6.5[[[strikethrough]]6.6[[[symbol-dot]]5.4[[[symbol-check]]~~
 21 39 +58.1|2316|21|39.1^+58^|7|vat.|-|7.0 7.3| |7.7 7.8 8.0
~~[[[strikethrough]]5.6 5.9|[[[strikethrough]] 5.7 6.0|[[[symbol-dot]]5.5~~
~~5.8|[[[symbol-check]]~~
 21 6 +67.6|1288|21|5.8^+67^|40|7.0| |7.1 1.1 8.2
~~[[[strikethrough]]6.1[[[strikethrough]]6.2[[[symbol-dot]]5.6[[[symbol-check]]~~
 21 1.6
 +67.9|[[[strikethrough]]1303|[[[strikethrough]]742|[[[strikethrough]]21|[[[strikethrough]]15.8^+77^|12.2|[[[strikethrough]]67^+78|[[[strikethrough]]57|[[[strikethrough]]4|[[[strikethrough]]8.0|[[[strikethrough]]7.5| |7.0 7.2 1.1 8.3
~~[[[strikethrough]]6.2[[[strikethrough]]6.3[[[symbol-dot]]5.7[[[symbol-check]]~~
 21 13
 +57.9+|2309|21|13.4^+[[[strikethrough]]58|[[[strikethrough]]57^+[[[strikethrough]]0|[[[strikethrough]]59|6.5| |7.1 7 7.8
~~[[[strikethrough]]5.7|[[[strikethrough]]5.8|[[[symbol-dot]]5.6[[[symbol-check]]~~
 21 15 +78.4|744|21|14.8^+78^|23|6.8|7.0 1.7 8.7
~~[[[strikethrough]]6.6|[[[strikethrough]]6.7|[[[symbol-dot]]5.5[[[symbol-check]]~~
 20 14 +77.3|764|20|13.8^+77^|16|4.8|3545 4.4 25 |[[[strikethrough]]+2
 +4|[[[strikethrough]]+5|5.3 1.6 6.9
~~[[[strikethrough]]4.8|[[[strikethrough]]4.9|[[[symbol-dot]]3.8[[[symbol-check]]~~
 22 29 +78.1|801|22|28.6^+78^|4|5.7| |6.5 1.7 8.2
~~[[[strikethrough]]6.1|[[[strikethrough]]6.2|[[[symbol-dot]]5.0[[[symbol-check]]~~
 22 25 +78.0|796|22|25.6^+78^|1|6.0| |6.7 1.7 8.4
~~[[[strikethrough]]6.3|[[[strikethrough]]6.4|[[[symbol-dot]]5.2[[[symbol-check]]~~
 21 22
 +68.9|1214|[[[strikethrough]]20|[[[strikethrough]]21|21.7^+68^|55|7.0| |7.0 1.1 8.1 |[[[strikethrough]]6.0|[[[strikethrough]]6.1|[[[symbol-dot]]5.5[[[symbol-check]]
 20 42 +78.9|716|20|41.6^+78^|54|6.9| |6.9 1.8 8.7
~~[[[strikethrough]]6.6|[[[strikethrough]]6.7|[[[symbol-dot]]5.4[[[symbol-check]]~~
 21 8 +59.4|2334|21|8.1^+59^|22|6.0|3736 5.5 20
~~[[[strikethrough]]3|[[[strikethrough]]+0|6.8 7 7.5~~
~~[[[strikethrough]]5.4|[[[strikethrough]]5.5|[[[symbol-dot]]5.3[[[symbol-check]]~~
 21 44 +69.5|1198|21|44.4^+69^|29|6.7| |6.9 1.1 8.0
~~[[[strikethrough]]5.9|[[[strikethrough]]6.0|[[[symbol-dot]]5.4[[[symbol-check]]~~
 22 7 +69.4|1228|22|7.4^+69^|25|5.9| |[[[underline]]6.8|[[[underline]] 1.1 7.9
~~[[[underline]]|[[[strikethrough]]5.8|[[[strikethrough]]5.9|[[[underline]]|[[[symbol-dot]]|[[[underline]]5.3|[[[underline]]|[[[symbol-check]]~~
 21 27 +59.8|2395|21|27.0^+59^|49|5.7|3801 5.4 21 |[[[strikethrough]]-2
 +8|[[[strikethrough]]+1|6.8 7 7.5
~~[[[strikethrough]]5.4|[[[strikethrough]]5.5|[[[symbol-dot]]5.3[[[symbol-check]]~~
 21 2|[[[strikethrough]]8|[[[strikethrough]]6
 +69.9|1173|21|26.8^+69^|56|3.0|3798 3.4 |[[[strikethrough]]52
 +29|[[[strikethrough]] 23 |[[[strikethrough]]+2|[[[strikethrough]]

133

~~+3|~~~~7.4|~~~~4.5 1.2~~
~~8.6|~~~~3.4|~~~~3.0|~~~~5.7~~
~~21 29 +79.9|707|21|29.0^|+79^|54|6.0| 7.3 1.9 9.2~~
~~7.1|~~~~7.2|~~~~5.8|~~~~5.3~~
~~20 53 +80.0|672|20|54.1^|+80^|0|53|-|6.8 7.0} 1.9} 8.7 8.9}~~
~~6.6 6.8|~~~~6.7 6.9|~~~~5.3~~
~~5.5|~~
~~21 41 +60.4|2288|21|41.3^|+60^|26|4.5| 6.4 .8 7.2~~
~~5.1|~~~~5.2|~~~~4.9|~~
~~21 40 +70.6|1193|21|39.8^|+70^|28|5.0|-|6.7 7.0} 1.2} 7.9 8.2}~~
~~5.8 6.1|~~~~5.9 6.2|~~~~5.2~~
~~5.5|~~
~~21 19 +80.6|690|21|19.2^|+80^|37|6.3|. 6.5 2.0 8.5~~
~~6.4|~~~~6.5|~~~~5.0|~~
~~20 22 +80.1|650|20|22.6^|+80^|4|6.8|-|6.4 1.9 8.3~~
~~6.2|~~~~6.3|~~~~4.9|~~
~~21 5 +70.8|1164|21|5.5^|+70^|51|6.0|-|6.9 1.2 8.1~~
~~6.0|~~~~6.1|~~~~5.4|~~
 *wrong star measured.

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 13, 1887.

Plate 803.

|v|H|Type|No. Remarks.|No. Lines|K|Focus|Other Lines.|

|3.0|11.8|||~~4~~5|N|2|-||2.2|16.3|||7~~7~~|K=H~~7~~|K=6H|5|Fseen.||1.9|16.8||~~?~~|~~?~~||~~1~~1~~1~~|~~2~~|N|1|-||2.8|24.0||~~III~~^ab|262|~~3~~2|~~?~~|~~?~~|K=H~~?~~|2|-|

Plate 720.

|22.9|11.4||~~?~~||~~2~~4|~~?~~4|~~N~~|K=H|1|-|

|22.0|15.9|||

|~~10~~11|~~?~~K=.8H|~~?~~K=.3H|5|Fseen.|21.2|14.3|||~~3~~4|N~~?~~|1|-|

|21.1|13.3|||

|~~3~~4|~~N~~|K=H|1|-|

|20.5|9.0|||4|K=H|2|-|

|19.9|19.3|||~~4~~5|N|1|-|

|19.5|10.1|||3|N|1|-|

|19.0|17.2|||3|N|1|-|

|17.5|15.6|^ab|263|6|N|3|~~?~~||17.3|6.1||^ab|5|~~?~~K=H|2|-|

|16.5|20.9|||6|N|3|-|

|16.3|13.7|||4|N|1|-|

|16.1|8.0|||~~3~~4|N~~?~~|1|-|

|15.1|7.2|||5|N|2|-|

|14.5|7.8|||

|~~3~~4|~~N~~|K=H|1|-|

|14.5|15.4|||

|~~3~~4|~~N~~|K=H|1|-|

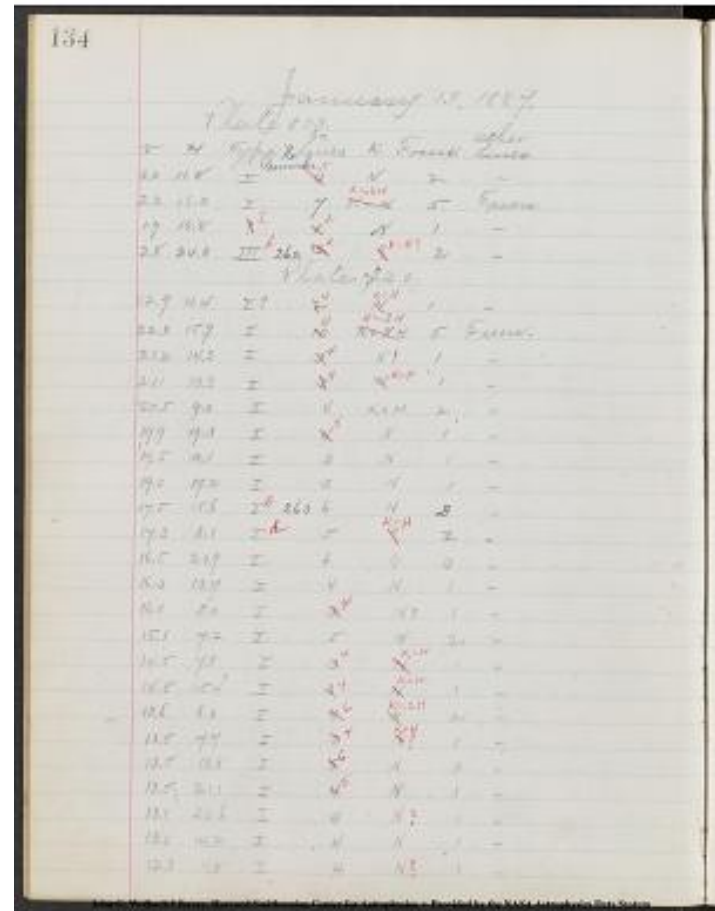
|13.6|6.0|||

|~~4~~6|~~N~~|K=2H|2|-|

|13.5|7.7|||

|~~3~~4|~~N~~|K=H~~?~~|1|-||13.5|13.8|||~~5~~6|N|3|-||13.5|21.1|||~~4~~5|N|1|-||13.1|22.6|||4|N~~?~~|1|-|

|13.0|14.2|||4|N|1|-|

|12.3|11.0|||4|N~~?~~|1|-|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

136

January 13, 1887.

Plate 720

[8 columns]

v|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines

11.0|15.9|||1|5|N|3|-

10.8|12.3|||

[[~~3~~]]4[[~~3~~]]N[[~~3~~]]K=
H|1|-

10.6|11.7|||[[~~2~~]]3|N?|1|-

10.0|7.9|||

[[~~3~~]]4[[~~3~~]]N[[~~3~~]]K=
H|1|-

10.5|21.8|||[[~~7~~]]8|N?|4|-

9.0|7.9|||

[[~~4~~]]5[[~~4~~]]N[[~~4~~]]K=
2H?|1|-

8.9|7.6|||6|K=.2H[[~~?~~]]2|-

7.2|18.0|||[[~~5~~]]4|N|1|-

7.0|10.4|||3|N|1|-

6.4|6.4|||3|N|1|-

6.5|13.1|||[[~~5~~]]4|N|1|-

6.5|13.6|||11|N?|5|Fseen.

6.0|16.8|||[[~~?~~]]?

[[~~1~~]]2[[~~1~~]]N[[~~1~~]]K=
H|1|-

5.0|9.7|||6|N|2|-

4.7|11.4|||b264|[[~~1~~]]2[[~~1~~]]N[[~~1~~]]K=H|1|-

4.9|14.7|||b265|[[~~5~~]]6|K=.2H|1|seen

3.1|11.5|||

[[~~4~~]]6[[~~4~~]]N[[~~4~~]]K=
H?|2|-

2.0|11.4|||1|N|2|-

Peculiar [[?]] 2.3|16.1|||bcN.266|3|N|5|Bright Fseen

2.0|16.5|||[[~~?~~]]?|1.1|N|1|-

2.8|24.0|||b267|3|[[~~?~~]]K=2OH?|2|F-

Plate 753

23.0|

11.7|1|?|7|[[~~4~~]]K=H[[~~?~~]]?

23.0|21.4|||[[~~4~~]]5[[~~4~~]]N[[~~4~~]]K=H|2|-

22.5|18.5|[[~~?~~]]?|[[~~3~~]]?

22.5|9.5|||3|N|1|-

21.1|15.2|[[~~?~~]]?|[[~~?~~]]^[[268]]3|
[[~~?~~]]2[[~~?~~]]N[[~~?~~]]K=H|2|[[~~?~~]]-|seen[[~~?~~]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

```
[[10 columned table]]
```

[illegible]

~~[[/underlined]]~~ ~~[[/strikethrough]]~~ } ~~[[underlined]]~~ ^{[[4.8]]} 5.1 ~~[[/underlined]]~~ }
 | . ^{[[[[[underlined]] 4.5]] 4.8} ~~[[/underlined]]~~ } |
~~[[strikethrough]]~~ ~~[[equation]]~~ ~~[[equation]]~~ ~~[[/strikethrough]]~~
~~[[equation]]~~ ~~[[equation]]~~ Mean 12
~~[[10 columned table]]~~
~~22 10 | +56.3 | 2741 | 22 9.7^{[[]]} | +56^{[[]]} 19 | 5.1 | -- |~~
~~[[strikethrough]]~~ ~~[[underlined]]~~ 6.1 ~~[[/underlined]]~~ ~~[[/strikethrough]]~~ | 6 6.7
~~[[strikethrough]]~~ ~~[[underlined]]~~ 4.8 ~~[[/underlined]]~~ ~~[[/strikethrough]]~~ | . |
~~21 25 | +66.2 | 1405 | 21 25.0^{[[]]} | +66^{[[]]} 10 | 5.5 | -- |~~
~~[[strikethrough]]~~ ~~[[underlined]]~~ 6.5 ~~[[/underlined]]~~ ~~[[/strikethrough]]~~ | 1.0
~~7.5~~ ~~[[strikethrough]]~~ ~~[[underlined]]~~ 5.6 ~~[[/underlined]]~~ ~~[[/strikethrough]]~~ | . |
~~21 24 | +76.5 | 836 | 21 23.7^{[[]]} | +76^{[[]]} 28 | 6.5 | -- |~~
~~[[strikethrough]]~~ ~~[[underlined]]~~ 6.6 ~~[[/underlined]]~~ ~~[[/strikethrough]]~~ | 1.6
~~8.2~~ ~~[[strikethrough]]~~ ~~[[underlined]]~~ 6.3 ~~[[/underlined]]~~ ~~[[/strikethrough]]~~ | . |
~~22 18 | +56.5 | 2765 | 22 17.7^{[[]]} | +56^{[[]]} 33 | 6.7 | . |~~
~~[[strikethrough]]~~ ~~[[underlined]]~~ 6.9 ~~[[/underlined]]~~ ~~[[/strikethrough]]~~ | .6 7.5
~~[[strikethrough]]~~ ~~[[underlined]]~~ 5.6 ~~[[/underlined]]~~ ~~[[/strikethrough]]~~ | . |
~~21n57 | +57.3 | 2441 | 21 57.2^{[[]]} | +57^{[[]]} 18 | 6.4 | -- |~~
~~[[strikethrough]]~~ ~~[[underlined]]~~ 6.5 ~~[[/underlined]]~~ ~~[[/strikethrough]]~~ | .7 7.2
~~[[underlined]]~~ 5.3 ~~[[/underlined]]~~ | . ~~[[underlined]]~~ 5.3 ~~[[/underlined]]~~ |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

| 21 41 | +60.5 | 2288 | 21 41.3^[["]] | +60^[["]] 26 | 4.5 | 3855 4.5 20 +1 |
5.7 | .8 6.5 4.6 | . 4.5 |
* Second measure of the star gives 4.2 First measure rejected.

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 12

[[9 columned table]]

|No.|R.A|DEC.|MAG.| |Br.| | |

20 32 +7.97|675|20 32.6|+79 43|7.3|3604 7.4 14-5|6.9|1.9 8.8 6.9 •|5.7 |
 20 22 +80.1|650|20 22.6|+80 4|6.8|6.5|1.9 8.4 6.5 •|5.3 |
 20 38 +80.6|660|20 37.7|+80 35|6.1|6.7^|[6.4]]|2.0|8.7|[8.4]]7
 6.8[[^6.5]] •|5.5[[^5.2]]|
 21 5 +70.8|1164|21 5.5|+70 51|6.0|
 [[underlined]]6.3[[/underlined]]1.2|7.5
 [[underlined]]5.6[[/underlined]]•[[underlined]]5.1[[/underlined]] |
 20 38 +80.9|659|20 37.2|+80 56|5.8|6.6|[6.3]]6.6] 2.0|[[^8.3]]8.6
 [[^6.4]]6.7] •|[[^5.1]]5.4|
 21 34 +61.4|2169|21 34.1|+61 25|5.0|3819 4.8 19+0|5.9|0 6.7 4.8 •|4.7
 21 41 +61.8|2193|21 41.0|+61 47|6.2|6.4|8 7.2 5.3 •|5.2 |
 21 41 +71.7|1082|21 41.3|+71 38|5.5|6.5[[^6.3]]1.3|7.8[[^7.6]]
 5.9[[^5.7]] •|5.3[[^5.1]]|
 21 50 +71.8|1096|21 50.2|+71 48|7.0|6.9 1.3 8.2 6.3 •|5.7 |
 21 51 +71.3|1097|21 50.9|+71 18|6.7|6.8|1.2 8.0 6.1 •|5.6 |
 22 1 +61.5|2246|22 0.7|+61 35|6.0|3909 5.3 16-3|6.0|8 6.8 4.9 •|4.8 |
 22 4 +71.7|1109|22 4.5|+71 40|7.2|6.8|1.3 8.1 6.2 •|5.6 |
 22 7 +71.6|1111|22 7.0|+71 38|5.2|6.4[[^6.1]]1.3|7.7[[^7.4]]
 5.8[[^5.5]] •|5.2[[^4.9]]|
 22 7 +71.4|1112|22 7.4|+71 24|6.7|6.4|1.2 7.6 5.7 •|5.2 |
 22 23 +81.2|775|22 24.1|+81 12|7.0|6.8|2.0 8.8 6.9 •|5.6 |
 22 29 +61.0|2314|22 28.7|+61 2|6.5|6.9|8 7.7 5.8 •|5.7 |
 22 18 +61.7|2291|22 18.1|+61 41|6.5|6.4|8 7.2 5.3 •|5.2 |
 22 49 +82.4|703|22 47.9|+82 23|5.0|6.4[[^6.1]]2.2|8.6[[^8.3]]
 6.7[[^6.4]] •|5.2[[^4.9]] |
 22 44 +82.5|700|22 44.1|+82 30|8.0|6.8|2.2 9.0 7.1 •|5.6 |
 22 9 +62.4|2053|22 9.3|+62 26|7.0|6.5|8 7.3 5.4 •|5.3 |
 22 10 +72.6|1022|22 10.2|+72 36|6.5|6.8[[^6.5]]1.3|8.1[[^7.8]]
 6.2[[^5.9]] •|[[^5.3]]5.6|
 21 57 +72.5|1009|21 57.2|+72 28|5.0|6.0|1.3 7.3 5.4 •|4.8 |
 20 53 +81.9|718|20 52.8|+81 59|6.0|3683 5.6 23+4|5.8|2.1 7.9 6.0 •|4.6
 20 32 +81.8|706|20 32.0|+81 53|7.4|6.8|2.1 8.9 7.0 •|5.6 |
 22 33 +62.8|2102|22 33.5|+62 50|5.3|6.4[[/underlined]]6.4[[/underlined]]|.9
 7.3 [[underlined]]5.4[[/underlined]] •|[[underlined]]5.2[[/underlined]] |
 23 50 +82.4|743|23 48.7|+82 23|6.0|6.5|2.2 8.7 6.8 •|5.3 |
 22 32 +72.9|1049|22 32.2|+72 54|5.5|6.1|1.3 7.4 5.5 •|4.9 |
 21 51 +73.0|1003|21 51.1|+[[~~73~~]]73[[~~73~~]] 72
 [[~~73~~]]0[[~~73~~]] 60|6.5|3876 6.6 12-7|6.5|1.3 7.8 5.9
 •|5.3 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

142

January 13, 1887.

Plate 453.

[[8 columned table]]

[V|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines|

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

8.5|10.2||| ~~3~~|~~5~~|N|1|-|

III? 5.7. 6.1. 8.6|11.2|III

b?|282|~~3~~|~~2~~|~~N~~|~~2~~|-|

8.5|13.0||| ~~4~~|~~5~~|N|1|-|

8.4|14.4|||

~~7~~|~~8~~|~~K~~=.8H|~~5~~|

6.9|16.1|||

b|~~283~~|~~5~~|

6|N|2|seen|

7.0|22.4||| ~~3~~|~~4~~|N|1|seen|

6.7|23.8||?

~~2~~|~~5~~|~~N~~|

6.5|19.1||| ~~4~~|~~K~~=.5H|1|-|

5.5|22.8||| ~~3~~|N|1|-|

5.5|13.3||| ~~7~~|~~8~~|N?|3|-|

5.0|10.5||5| ~~6~~|N|2|-|

4.4|11.1||?| ~~4~~|~~5~~|K=H

?|~~1~~|-|

4.5|12.2||4|N|1|-|

3.4|10.3||5|N|1|-|

2.9|8.1|||284|?| ~~3~~|~~2~~|

2.6|11.6||5| ~~7~~|N| ~~K~~=.8H|2|-|

3.3|21.4||4| ~~6~~|N|2|-|

2.8|18.5||4|N|1|-|

3.1|15.2||4|N| ~~K~~=H|1|-|

Plate 774

23.0|11.8||?| ~~6~~|~~7~~|K=H|

K=.5H|1|-|

23.0|21.5||4| ~~5~~|N| ~~K~~=H|1|-|

21.5|15.3||?| ~~1~~|~~2~~|~~3~~|N|1|-|

21.0|13.0|||285|3| ~~2~~|N| ~~K~~=H|1|seen

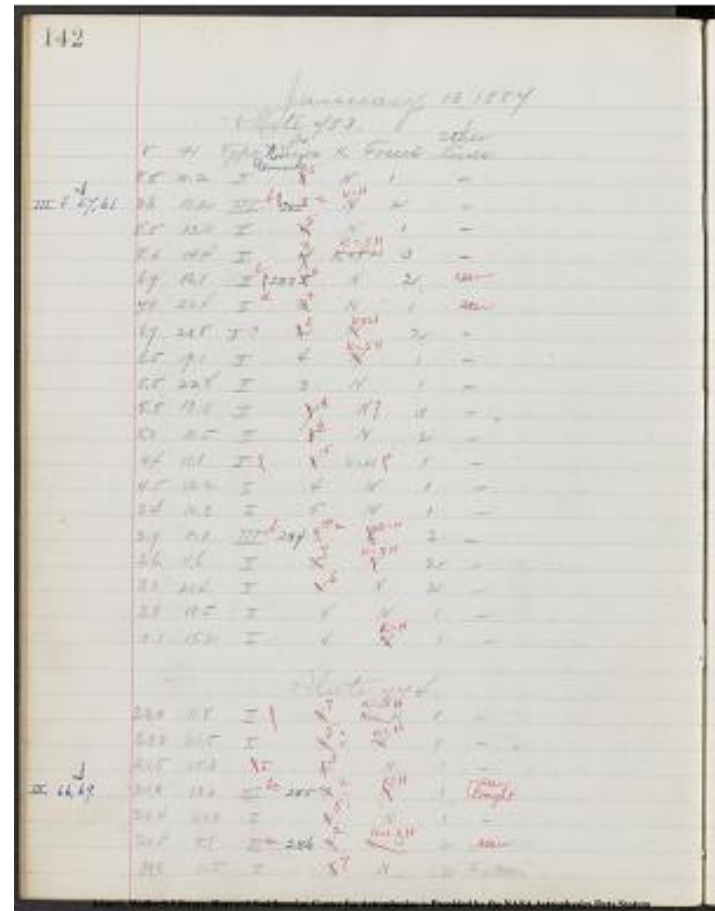
Bright|

20.4|20.0||4| ~~5~~|N|1|-|

20.5|8.1||1a 286|4| ~~2~~|K=H|

K=1.2H|2|seen|

19.8|11.5||6| ~~7~~|N|2|seen|



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 12

| NO. | R.A. | DEC. | MAG. | | Br. | | |
 |23 13 +83.5|647|23|12.7^|+83^|27|8.0|. |6.8 2.4 9.2 7.3|5.6^|[[symbol-check]]|[[symbol-dot]]|
 |22 55 +83.6|640|22|55.4^|+83^|34|5.0|-.|5.9 6.3} 2.4} 8.3 8.7 6.4 6.8}|4.7
 5.1^|[[symbol-check]]|[[symbol-dot]]|
 |22 22 +83.7|630|22|22.5^|+83^|46|7.0|. |6.8 2.4 9.2 7.3|5.6^|[[symbol-check]]|[[symbol-dot]]|
 |21 59 +63.9|1802|21|59.6|+63|55|4.5|-.|5.8 .9 6.7 4.8|4.6^|[[symbol-check]]|[[symbol-dot]]|
 |21 51 +64.6|1607|21|51.7^|+64^|39|6.5|. |6.4 .9 7.3 5.4|5.2^|[[symbol-check]]|[[symbol-dot]]|
 |19 34 +83.2|552|19|33.4^|+83^|10|6.0|3378 6.3 23+4|6.3 2.3 8.6
 6.7|5.1^|[[symbol-check]]|[[symbol-dot]]|
 |21 16 +64.2|1527|21|16.5^|+64^|17|5.5|-.
 |[[strikethrough]]6.1|[[strikethrough]].9 7.0
 |[[underline]]5.1|[[underline]]4.9|[[underline]]^|[[symbol-check]]|[[symbol-dot]]| | | | | | | |
 |20 20 +84.3|451|20|20.0^|+84^|14|7.0|-.|6.2 2.5 8.7 6.8|5.0^|[[symbol-check]]|[[symbol-dot]]|
 |19 11 +83.7|547|19|10.4^|+83^|42|6.5|-.|6.3 2.4 8.7 6.8|5.1^|[[symbol-check]]|[[symbol-dot]]|
 |22 25 +85.3|383|22|24.2^|+85^|23|5.0| |5.4 2.7 8.1 6.2|4.2^|[[symbol-check]]|[[symbol-dot]]|
 |22 29 +75.5|836|22|29.7^|+75^|27|5.7|3996 5.7 20+1|6.2 1.5 7.7
 5.8|5.0^|[[symbol-check]]|[[symbol-dot]]|
 |23 25 +85.6|399|23|24.2^|+85^|37|7.5|-.|6.2 2.8 9.0 7.1|5.0^|[[symbol-check]]|[[symbol-dot]]|
 |22 16 +75.8|820|22|16.6^|+75^|46|6.8|. |6.8 1.5 8.3 6.4|5.6^|[[symbol-check]]|[[symbol-dot]]|
 |23 52 +85.9|409|23|52.8^|+85^|54|8.0|. |6.5 2.9 9.4 7.5|5.3^|[[symbol-check]]|[[symbol-dot]]|
 |0 50 +85.5|19|0|49.7^|+85^|29|5.0|-.|[[underline]]6.0 6.3|[[underline]]4.8
 2.8} 8.8 9.1} |[[underline]]6.9 7.2|[[underline]]|[[underline]]4.8
 5.1|[[underline]]^|[[symbol-check]]|[[symbol-dot]]|
 |23 29 +86.5|344|23|27.8^|+86^|30|6.0|-.|[[underline]]5.8|[[underline]]3.0
 8.8 |[[underline]]6.9|[[underline]]|[[underline]]4.6|[[underline]]^|[[symbol-check]]|[[symbol-dot]]|
 |21 25 +66.2|1405|21|25.0^|+66^|10|5.5|3796 5.4 19+0|6.3 1.0 7.3
 5.4|5.1^|[[symbol-check]]|[[symbol-dot]]|
 |21 24 +76.5|836|21|23.7^|+76^|28|6.5|. |[[underline]]6.5|[[underline]]1.6
 8.1 |[[underline]]6.2|[[underline]]|[[underline]]5.3|[[underline]]^|[[symbol-check]]|[[symbol-dot]]|
 |21 28 +86.4|319|21|27.7^|+86^|26|7.0|-.|6.6 3.0 9.6 7.7|5.4^|[[symbol-check]]|[[symbol-dot]]|
 253^*(23-17)/(13^13)
 Mean 16
 |22 10 +56.3|2741|22|9.7^|+56^|19|5.1|-.
 |[[underline]]|[[strikethrough]]6.5|[[strikethrough]]|[[underline]]6.7 1
 |[[underline]]|[[strikethrough]]4.5|[[strikethrough]]|[[underline]]|[[symbol-check]]|[[symbol-dot]]|
 |21 25 +66.2|1405|21|25.0^|+66^|10|5.5|-.
 |[[underline]]|[[strikethrough]]6.8|[[strikethrough]]|[[underline]]1.0 7.8
 |[[underline]]|[[strikethrough]]5.2|[[strikethrough]]|[[underline]]|[[symbol-check]]|[[symbol-dot]]|
 |21 54 +57.3|2441|21|57.2^|+57^|18|6.4|3894 5.5
 22_4|[[underline]]7.0|[[underline]]7.7 7
 |[[underline]]5.1|[[underline]]|[[underline]]5.4|[[underline]]^|[[symbol-check]]|[[symbol-dot]]|

143

| NO. | R.A. | DEC. | MAG. | Br. | |
|-------|-------|------|------|------|-----|
| 23 13 | +83.5 | 647 | 23 | 12.7 | 8.0 |
| 22 55 | +83.6 | 640 | 22 | 55.4 | 34 |
| 22 22 | +83.7 | 630 | 22 | 22.5 | 46 |
| 21 59 | +63.9 | 1802 | 21 | 59.6 | 55 |
| 21 51 | +64.6 | 1607 | 21 | 51.7 | 39 |
| 19 34 | +83.2 | 552 | 19 | 33.4 | 10 |
| 21 16 | +64.2 | 1527 | 21 | 16.5 | 17 |
| 22 25 | +85.3 | 383 | 22 | 24.2 | 23 |
| 22 29 | +75.5 | 836 | 22 | 29.7 | 27 |
| 23 25 | +85.6 | 399 | 23 | 24.2 | 37 |
| 22 16 | +75.8 | 820 | 22 | 16.6 | 46 |
| 23 52 | +85.9 | 409 | 23 | 52.8 | 54 |
| 0 50 | +85.5 | 19 | 0 | 49.7 | 29 |
| 23 29 | +86.5 | 344 | 23 | 27.8 | 30 |
| 21 25 | +66.2 | 1405 | 21 | 25.0 | 10 |
| 21 24 | +76.5 | 836 | 21 | 23.7 | 28 |
| 21 28 | +86.4 | 319 | 21 | 27.7 | 26 |
| 22 10 | +56.3 | 2741 | 22 | 9.7 | 19 |
| 21 25 | +66.2 | 1405 | 21 | 25.0 | 10 |
| 21 54 | +57.3 | 2441 | 21 | 57.2 | 18 |
| 22 4 | | | | | |

|22 6 +57.4|2475|22|5.8^|+57^|29|4.1|-|[[underline]]6.7 7.0|[[underline]]
 .7} 7.4 7.7 |[[underline]]4.8 5.1|[[underline]]|[[underline]]5.1
 5.4}|[[underline]]^|[[symbol-check]]|[[symbol-dot]]|
 |21.8 +77.5|800|21|8.4^|+77^|32|6.1|3733 5.8 27+1|6.8 1.7 8.5
 5.9|5.2^|[[symbol-check]]|[[symbol-dot]]|
 |22 24 +57.6|2548|22|23.8^|+57^|41|van|[[?]]|-|6.6 .7 7.3
 4.7|5.0^|[[symbol-check]]|[[symbol-dot]]|
 |22 29 +78.1|801|22|28.6^|+78^|4|5.7|3992 5.4 29+3|6.6 1.7 8.3
 5.7|5.0^|[[symbol-check]]|[[symbol-dot]]|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

114

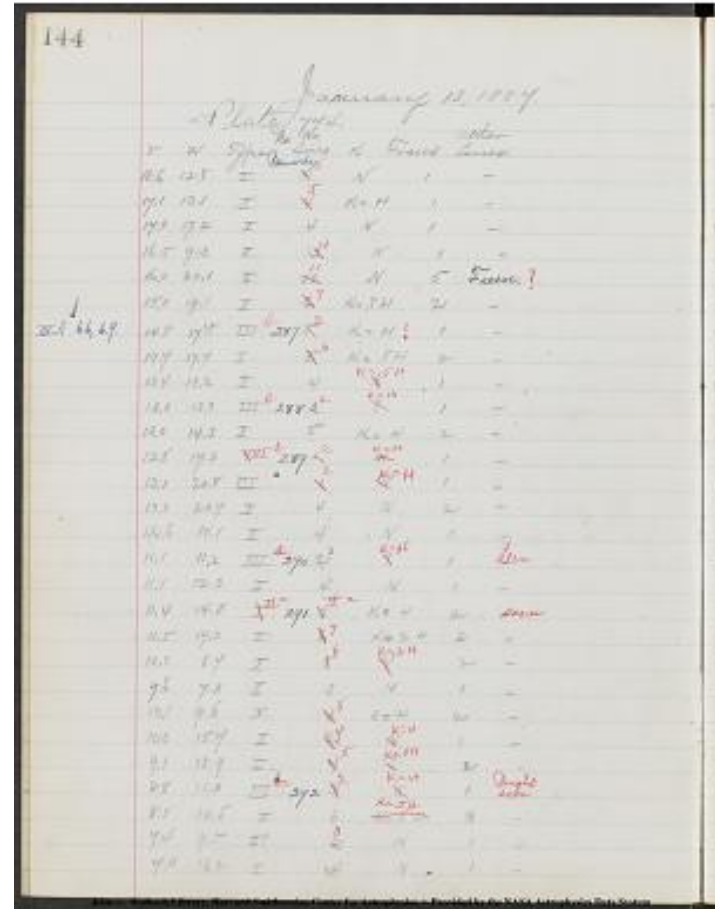
January 13, 1887.

Plate 774.

[[8 columned table]]

V|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines.|

| V | H | Type | No. | Remarks | No. Lines | K | Focus | Other Lines. |
|------|------|------|-----|---------|-----------|---|-------|--------------|
| 18.6 | 12.8 | I | 4 | 11-1 | | | | |
| 17.1 | 13.1 | I | 4 | 11-1 | | | | |
| 17.0 | 17.2 | I | 4 | 11-1 | | | | |
| 16.5 | 9.3 | I | 3 | 11-1 | | | | |
| 16.0 | 20.1 | I | 10 | 11-1 | | | | |
| 15.0 | 19.1 | I | 6 | 11-1 | | | | |
| 11.7 | 6.6 | 6.9 | | | | | | |
| 14.8 | 17.8 | I | 287 | 11-1 | | | | |
| 14.7 | 17.7 | I | 5 | 11-1 | | | | |
| 13.4 | 13.2 | I | 4 | 11-1 | | | | |
| 13.0 | 13.3 | I | 288 | 11-1 | | | | |
| 13.0 | 14.3 | I | 5 | 11-1 | | | | |
| 12.8 | 17.3 | I | 289 | 11-1 | | | | |
| 13.1 | 20.8 | I | 2 | 11-1 | | | | |
| 13.0 | 20.7 | I | 4 | 11-1 | | | | |
| 12.6 | 10.1 | I | 4 | 11-1 | | | | |
| 11.1 | 11.2 | I | 290 | 11-1 | | | | |
| 11.1 | 12.3 | I | 4 | 11-1 | | | | |
| 11.4 | 14.8 | I | 291 | 11-1 | | | | |
| 11.5 | 19.0 | I | 6 | 11-1 | | | | |
| 10.0 | 6.7 | I | 5 | 11-1 | | | | |
| 9.6 | 7.3 | I | 3 | 11-1 | | | | |
| 10.1 | 9.6 | I | 4 | 11-1 | | | | |
| 10.0 | 15.7 | I | 2 | 11-1 | | | | |
| 9.1 | 18.9 | I | 4 | 11-1 | | | | |
| 8.8 | 11.3 | I | 292 | 11-1 | | | | |
| 8.5 | 14.5 | I | 6 | 11-1 | | | | |
| 7.4 | 9.5 | I | 2 | 11-1 | | | | |
| 7.0 | 16.2 | I | 4 | 11-1 | | | | |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 16

[[17 column table]]

| | | No. | R.A. | Dec. | Mag. | | | Br. | | | | | |
|--|---|-------|------|------|------|-----------------|---------------|-----|------|-----|------|-----|-----|
| 22 | 6 | +58.6 | 2402 | 22 | 6.6 | +58 | 42 | 5.6 | 3929 | 5.3 | 22.4 | 6.8 | .7 |
| 7.5 | 4.9 | 5.2 | | | | | | | | | | | |
| 22 | 7 | +69.4 | 1228 | 22 | 7.4 | +69 | 25 | 5.9 | _ | | 6.8 | 1.1 | 7.9 |
| 5.3 | 5.2 | | | | | | | | | | | | |
| 21 | 44 | +69.5 | 1198 | 21 | 44.4 | +69 | 29 | 6.7 | . | | 7.1 | 1.1 | 8.2 |
| 5.6 | 5.5 | | | | | | | | | | | | |
| 22 | 29 | +69.6 | 1263 | 22 | 29.2 | +69 | 37 | 6.2 | . | | 7.0 | 1.1 | 8.1 |
| 5.5 | 5.4 | | | | | | | | | | | | |
| 21 | 27 | +69.9 | 1173 | 21 | 26.8 | +69 | 56 | 3.0 | 3798 | 3.4 | 29+3 | 5.1 | |
| 1.2 | 6.3 | 3.7 | 3.5 | | | | | | | | | | |
| 21 | 41 | +60.4 | 2288 | 21 | 41.3 | +60 | 26 | 4.5 | _ | | 6.2 | .8 | 7.0 |
| 4.4 | 4.6 | | | | | | | | | | | | |
| 21 | 40 | +70.6 | 1193 | 21 | 39.8 | +70 | 38 | 5.0 | _ | | 6.5 | 6.8 | 1.2 |
| 7.7 | 8.0 | 5.1 | 5.4 | 4.9 | 5.2 | | | | | | | | |
| 21 | 19 | +80.6 | 690 | 21 | 19.2 | +80 | 37 | 6.3 | _ | | 6.4 | 2.0 | 8.4 |
| 5.8 | 4.8 | | | | | | | | | | | | |
| 22 | 7 | +71.4 | 1112 | 22 | 7.4 | +71 | 24 | 6.7 | _ | | 6.8 | 1.2 | 8.0 |
| 5.4 | 5.2 | | | | | | | | | | | | |
| 22 | 7 | +71.6 | 1111 | 22 | 7.0 | +71 | 38 | 5.2 | _ | | 6.8 | 7.1 | 1.3 |
| 8.1 | 8.4 | 5.5 | 5.8 | 5.2 | 5.5 | | | | | | | | |
| 22 | 1 | +61.5 | 2246 | 22 | 0.7 | +61 | 35 | 6.0 | _ | | 6.4 | .8 | 7.2 |
| 4.6 | 4.8 | | | | | | | | | | | | |
| 21 | 41 | +71.7 | 1082 | 21 | 41.3 | +71 | 38 | 5.5 | _ | | 6.8 | 7.2 | 1.3 |
| 8.1 | 8.5 | 5.5 | 5.9 | 5.2 | 5.6 | | | | | | | | |
| 20 | 37 | +80.9 | 659 | 20 | 37.2 | +80 | 56 | 5.8 | _ | | 6.8 | 7.2 | 2.0 |
| 8.8 | 9.2 | 6.2 | 6.6 | 5.2 | 5.6 | | | | | | | | |
| 21 | 34 | +61.5 | 2169 | 21 | 34.1 | +61 | 25 | 5.0 | 3819 | 4.8 | 25-1 | 6.5 | |
| 8 | 7.3 | 4.7 | 4.9 | | | | | | | | | | |
| 22 | 18 | +61.7 | 2291 | 22 | 18.1 | +61 | 41 | 6.5 | . | | 7.0 | .8 | 7.8 |
| 5.2 | 5.2 | 5.4 | | | | | | | | | | | |
| 22 | 49 | +82.4 | 703 | 22 | 47.9 | +82 | 23 | 5.0 | _ | | 6.5 | 7.0 | 2.2 |
| 8.7 | 9.2 | 6.1 | 6.6 | 4.9 | 5.4 | | | | | | | | |
| 22 | 9 | +62.4 | 2053 | 22 | 9.3 | +62 | 26 | 7.0 | . | | 7.0 | .8 | 7.8 |
| 5.4 | | | | | | | | | | | | | |
| 21 | 57 | +72.5 | 1009 | 21 | 57.2 | +72 | 28 | 5.0 | _ | | 6.6 | 1.3 | 7.9 |
| 5.3 | 5.0 | | | | | | | | | | | | |
| 20 | 53 | +81.9 | 718 | 20 | 52.8 | +81 | 59 | 6.0 | _ | | 6.2 | 21 | 8.3 |
| 5.7 | 4.6 | | | | | | | | | | | | |
| 22 | 33 | +62.8 | 2102 | 22 | 33.5 | +62 | 50 | 5.3 | _ | | | | |
| [[underline]]6.5[[/underline]] .9 7.4 [[underline]]4.8[[/underline]] | | | | | | | | | | | | | |
| [[underline]]4.9[[/underline]] | | | | | | | | | | | | | |
| 23 | 50 | +82.4 | 743 | 23 | 49.7 | +82 | 23 | 6.0 | 4230 | 6.3 | 28+2 | 6.9 | |
| 2.2 | 9.1 | 6.5 | 5.3 | | | | | | | | | | |
| 22 | 32 | +72.9 | 1049 | 22 | 32.2 | +72 | 54 | 5.5 | _ | | 6.6 | 1.3 | 7.9 |
| 5.3 | 5.6 | | | | | | | | | | | | |
| 21 | 51 | +73.0 | 1003 | 21 | 51.1 | + 73 | 73 | | | | | | |
| 72 | [[0]] 60 6.5 _ 7.2 1.3 8.5 | | | | | | | | | | | | |
| 5.9 | 5.6 | | | | | | | | | | | | |
| 20 | 43 | +83.2 | 588 | 20 | 43.2 | +83 | 7 | 6.2 | _ | | 6.5 | 2.3 | 8.8 |
| 6.2 | 4.9 | | | | | | | | | | | | |
| 22 | 56 | +83.6 | 640 | 22 | 55.4 | +83 | 34 | 5.0 | _ | | 6.5 | 6.9 | 2.4 |
| 8.9 | 9.3 | 6.3 | 6.7 | 4.9 | 5.3 | | | | | | | | |
| 21 | 59 | +63.9 | 1802 | 21 | 59.6 | +63 | 55 | 4.5 | _ | | 6.3 | .9 | 7.2 |

4.6 | 4.7 |
| 22 | 22 | +64.4 | 1664 | 22 | 22.4 | +64 | 23 | 5.8 | | | | 7.4 | .9 | 8.3 |
5.7 | 5.8 |
| 21 | 51 | +64.6 | 1607 | 21 | 51.7 | +64 | 39 | 6.5 | . | | | 6.8 |
[[underline]].9 | 7.7 | 5.1[[/underline]] | 5.2 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 13, 1887.

Plate 774

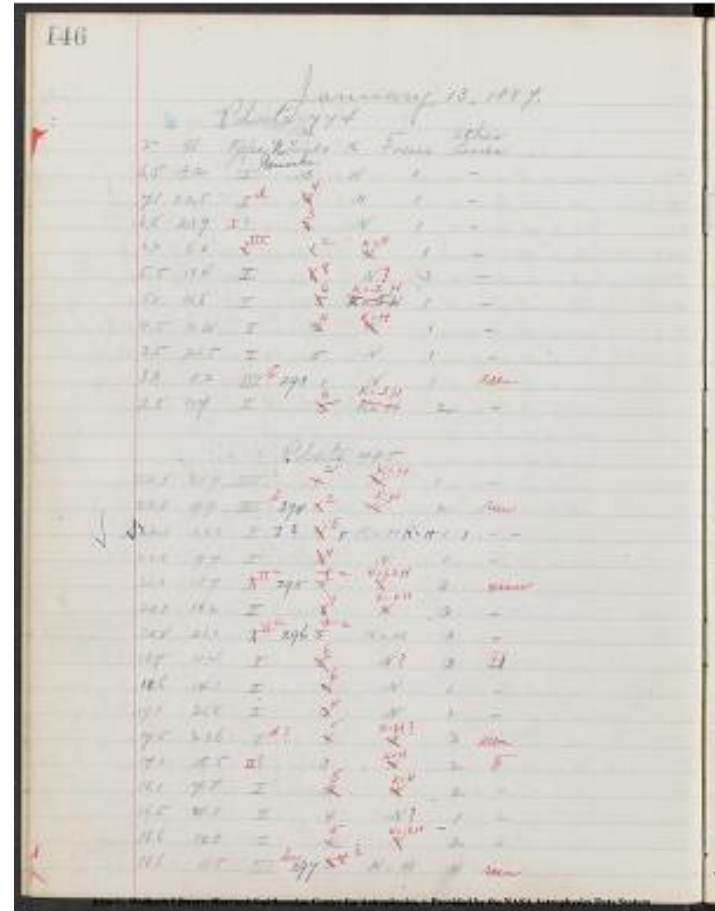
[8 columned table]

| V | H | Type | No. | Remarks. | No. Lines | K | Focus | Other Lines. |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| 6.5 | 19.2 | I | 3 | N | 1 | -- | | |
| 7.1 | 22.5 | I d | | 3 | 3 | 4 | N | 1 -- |
| 6.8 | 23.9 | I ? | | 2 | 2 | 3 | N | 1 -- |
| 6.0 | 6.0 | ? | ? | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5.5 | 13.4 | I | 6 | 6 | 6 | 8 | N ? | 3 -- |
| 5.0 | 10.6 | I | 5 | 5 | 5 | 6 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4.5 | 11.2 | I | 3 | 3 | 3 | 4 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3.5 | 21.5 | I | 5 | N | 1 | -- | | |
| 3.0 | 8.2 | III b | 293 | 1 | N | 1 | -- | seen |
| 2.8 | 11.7 | I | 5 | 5 | 5 | 6 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Plate 795.

[8 columned table]

| | | | | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 22.5 | 21.9 | III | | 1 | 1 | 2 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 22.0 | 19.9 | III b | 294 | 1 | 1 | 2 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 22.1 | 20.0 | I ? | | 4 | 4 | 5 | K = H | |
| K = H | 1 | 1 | -- | | | | | |
| 20.0 | 9.7 | I | | 3 | 3 | 4 | N | 1 -- |
| 20.0 | 15.7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20.1 | 16.2 | I | | 6 | 6 | 7 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20.4 | 21.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18.7 | 10.4 | I | | 5 | 5 | 6 | N ? | 3 F-- |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18.6 | 14.1 | I | | 4 | 4 | 6 | N | 1 -- |
| 19.0 | 21.8 | I | | 3 | 3 | 4 | N | 1 -- |
| 17.5 | 23.6 | I d ? | | 4 | 4 | 5 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17.0 | 18.5 | II ? | | 3 | 3 | 4 | N | 1 -- |
| F | | | | | | | | |
| 16.1 | 7.5 | I | | 3 | 3 | 4 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16.6 | 10.3 | I | | 4 | 4 | 5 | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16.6 | 11.5 | III b.c. | 297 | 5 | 5 | 4 | 1 | 2 |
| K = H | 4 | seen | | | | | | |



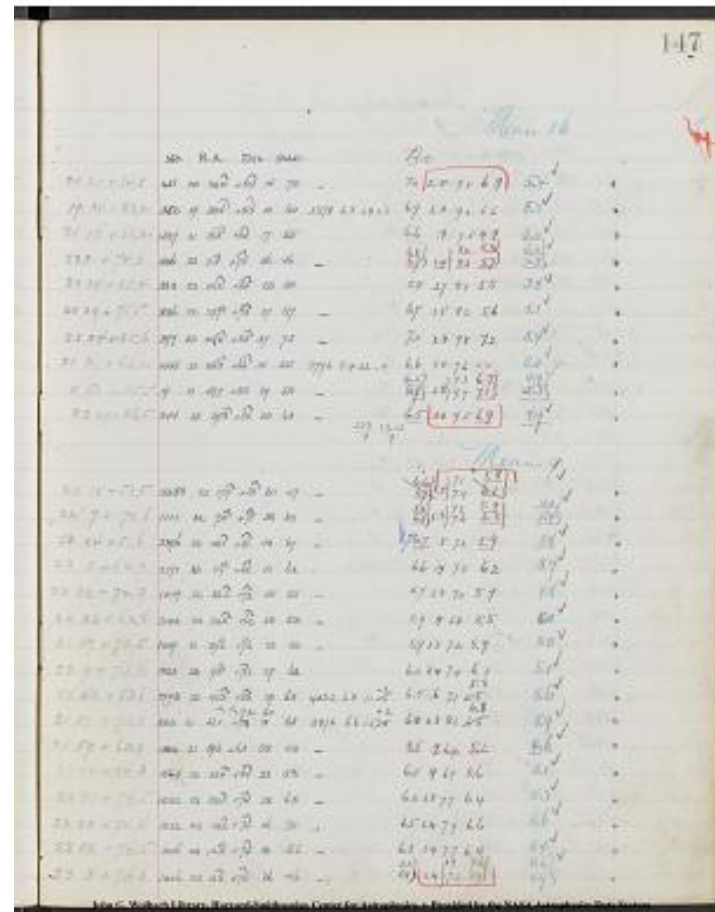
Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

147

| No. | R.A. | DEC. | MAG. | Br. | Mean 16 |
|--------------|------|-----------------|-------|---------------|---------------------|
| 20 20 + 84.3 | 451 | 20 20.0 + 84 14 | 17 | | 7.0 2.5 9.5 6.9 5.4 |
| 19 34 + 83.2 | 552 | 19 33.4 + 83 10 | 60 | 3378 6.3 29+3 | 6.9 2.3 9.2 6.6 5.3 |
| 21 16 + 64.2 | 1527 | 21 16.5 + 64 17 | 5.5 | | 6.6 .9 7.5 4.9 5.0 |
| 23.3 + 74.6 | 1006 | 23 3.3 + 74 36 | 4.6 - | | 6.6 8.0 5.4 5.0 |
| | | | | | 6.9 1.4 8.3 5.7 5.3 |
| 22 24 + 85.4 | 383 | 22 24.2 + 85 23 | 5.0 | | 5.4 2.7 8.1 5.5 3.8 |
| 22 29 + 75.5 | 836 | 22 29.7 + 75 27 | 5.7 - | | 6.7 1.5 8.2 5.6 5.1 |
| 23 24 + 85.6 | 399 | 23 24.2 + 85 37 | 7.5 - | | 7.0 2.8 9.8 7.2 5.4 |
| 21 25 + 66.2 | 1405 | 21 25.0 + 66 10 | 5.5 | 3796 5.4 22.4 | 6.6 1.0 7.6 5.0 5.0 |
| 0 50 + 85.5 | 19 | 0 49.7 + 85 29 | 5.0 - | | 6.5 9.3 6.7 4.9 |
| | | | | | 6.9 2.8 9.7 7.1 5.3 |
| 23 29 + 86.5 | 344 | 23 27.8 + 86 30 | 60 - | | 6.5 3.0 9.5 6.9 4.9 |

Mean 9

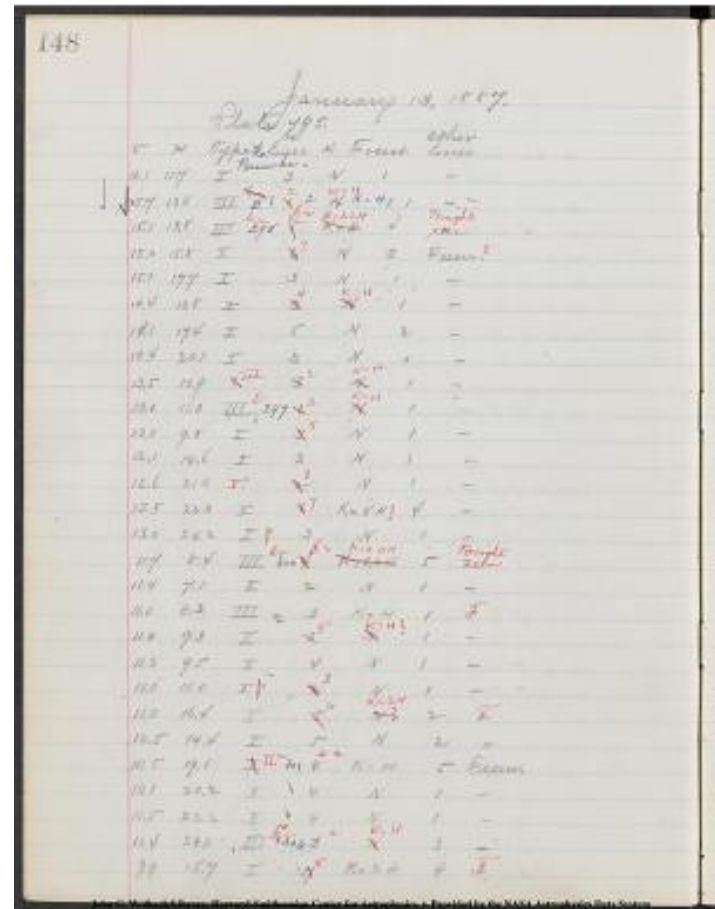
| | | | | | |
|--------------|------|-----------------|-------|---------------|-----------------------|
| 22 18 + 51.5 | 3357 | 22 17.9 + 51 30 | 4.7 - | | 6.6 .5 7.1 5.8 |
| | | | | | 6.9 7.4 6.1 |
| 22 7 + 71.6 | 1111 | 22 7.0 + 71 38 | 5.2 - | | 5.9 1.3 7.2 5.9 4.0 |
| | | | | | 6.3 7.6 6.3 5.4 |
| 22 24 + 51.6 | 3396 | 22 24.1 + 51 40 | 6.7 - | | 6.76 7 .5 7.2 5.9 5.8 |
| 23 1 + 62.9 | 2171 | 23 1.9 + 62 51 | 6.2 - | | 6.6 .9 7.5 6.2 5.7 |
| 22 32 + 72.9 | 1049 | 22 32.2 + 72 54 | 5.5 - | | 5.7 1.3 7.0 5.7 4.8 |
| 22 33 + 62.8 | 2102 | 22 33.5 + 62 50 | 5.3 - | | 5.9 .9 6.8 5.5 5.0 |
| 21 57 + 72.5 | 1009 | 21 57.2 + 72 28 | 5.0 - | | 5.9 1.3 7.2 5.9 5.0 |
| 23 9 + 73.4 | 1023 | 23 6.8 + 73 27 | 6.2 | | 6.0 1.4 7.4 6.1 5.1 |
| 22 45 + 53.6 | 2993 | 22 42.8 + 53 39 | 6.0 | 4032 6.0 11-2 | 6.5 .6 7.1 5.8 5.6 |
| 21 51 + 73.0 | 1003 | 21 51.1 + 72 60 | 6.5 | 3876 6.6 15+2 | 6.8 1.3 8.1 6.8 5.9 |
| 21 59 + 63.9 | 1802 | 21 59.6 + 63 55 | 4.5 - | | 5.5 .9 6.4 5.1 4.6 |
| 22 22 + 64.3 | 1664 | 22 22.4 + 64 23 | 5.8 - | | 6.0 .9 6.9 5.6 5.1 |
| 23 33 + 74.5 | 1032 | 23 33.1 + 74 28 | 6.5 - | | 6.2 1.5 7.7 6.4 5.3 |
| 23 23 + 74.4 | 1022 | 23 23.3 + 74 26 | 7.0 - | | 6.5 1.4 7.9 6.6 5.6 |
| 23 12 + 74.5 | 1016 | 23 12.6 + 74 31 | 6.6 - | | 6.3 1.4 7.7 6.4 5.4 |
| 23 3 + 74.6 | 1006 | 23 3.3 + 74 36 | 4.6 - | | 5.5 6.9 5.6 4.6 |
| | | | | | 5.8 1.4 7.2 5.9 4.9 |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

148
January 13, 1887.
Plate 795.

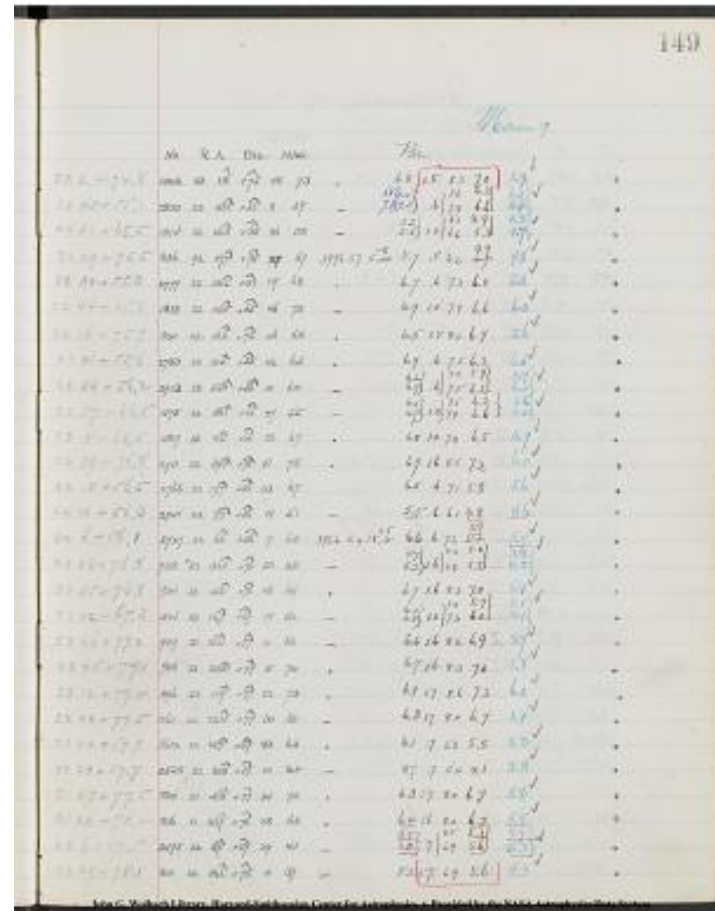
| v | H | Type | No. Lines | K | Focus | Other Lines |
|------|------|------|-----------|-------|--------|---------------|
| 16.1 | 11.7 | I | Remarks | 3 | N | 1 - |
| 5.7 | 13.8 | III | II? | 2 | K=H | 1 - |
| 15.1 | 13.8 | III | 298 | 2 | K=1.2H | 4 Bright seen |
| 15.0 | 15.8 | I | 7 | N | 3 | F seen? |
| 15.1 | 17.7 | I | 3 | N | 1 | - |
| 14.4 | 13.8 | I | 4 | K=H | 1 | - |
| 14.1 | 17.4 | I | 5 | N | 2 | - |
| 14.4 | 20.1 | I | 5 | N | 1 | - |
| 13.5 | 10.9 | III | 2 | K=H | 1 | - |
| 13.0 | 11.0 | III | I 299 | 2 | K=H | 1 - |
| 13.0 | 9.8 | I | 5 | N | 1 | - |
| 12.1 | 14.6 | I | 3 | N | 1 | - |
| 12.6 | 21.0 | I? | 3 | N | 1 | - |
| 12.8 | 23.3 | I | 7 | K=.8H | 4 | - |
| 13.0 | 24.2 | I | 3 | N | 1 | - |
| 11.7 | 8.4 | III | bc 300 | 2 | K=2.0H | 5 Bright seen |
| 11.4 | 7.1 | I | 2 | N | 1 | - |
| 11.0 | 8.3 | III | 3 | K=H | 1 | F |
| 11.4 | 9.3 | I | 5 | K=H? | 1 | - |
| 11.3 | 9.5 | I | 4 | N | 1 | - |
| 11.0 | 11.0 | I | 3 | N | 1 | - |
| 11.0 | 16.4 | I | 6 | K=.2H | 2 | F |
| 10.5 | 14.4 | I | 5 | N | 2 | - |
| 10.5 | 19.1 | Ila | 301 | 2 | K=H | 5 F seen |
| 10.1 | 20.2 | I | 4 | N | 1 | - |
| 11.5 | 23.2 | I | 4 | N | 1 | - |
| 10.4 | 24.0 | III | bc302 | 2 | K=H | 3 - |
| 9.9 | 15.7 | I | 8 | K=.2H | 4 | F |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

149

| NO. | R.A. | DEG | MAG | Br. |
|------|-------|---|-----------------------|-----|
| 23.2 | +74.8 | 1002 23 1.8^ +74^ 48 7.3 | 6.8 1.5 8.3 7.0 5.9 | |
| 2243 | +55.1 | 2820 22 43.8^ +55^ 8 5.9 | 6.8 7.0 6 7.6 6.3 6.1 | |
| | | 7.2 7.3 7.9 6.6 6.4 | | |
| 2244 | +65.5 | 1814 22 44.5^ +65^ 26 38 | 5.2 1.0 6.2 4.9 4.3 | |
| | | 5.6 6.6 5.3 4.7 | | |
| 2229 | +75.5 | 836 22 29.7^ +75^ 27 5.7 39 96 5.7 5 8 | 5.7 5.6 6.2 4.9 4.8 | |
| 2230 | +55.3 | 2779 22 30.2^ +55^ 19 6.8 | 6.7 6.7 3 6.0 5.8 | |
| 2244 | +65.8 | 1813 22 44.5^ +65^ 46 7.0 | 6.9 1.0 7.9 6.6 6.0 | |
| 2216 | +75.7 | 820 22 16.6^ +75^ 46 6.8 | 6.5 1.5 8.0 6.7 5.6 | |
| 2221 | +55.6 | 2750 22 21.5^ +55^ 42 6.5 | 6.9 6 7.5 6.2 6.0 | |
| 2254 | +56.2 | 2923 22 54.0^ +56^ 10 6.0 | 6.6 6 7.2 5.9 5.7 | |
| | | 6.9 7.5 6.2 6.0 | | |
| 2257 | +66.5 | 1575 22 58.1^ +66^ 27 5.5 | 6.5 1.0 7.5 6.2 5.6 | |
| | | 6.9 7.9 6.6 6.0 | | |
| 23.4 | +66.5 | 1587 23 4.2^ +66^ 28 6.7 | 6.8 1.0 7.8 6.5 5.9 | |
| 2239 | +76.8 | 870 22 39.0^ +76^ 51 7.5 | 6.9 1.6 8.5 7.2 6.0 | |
| 2218 | +56.5 | 2765 22 17.7^ +56^ 33 6.7 | 6.5 6.7 1 5.8 5.6 | |
| 2210 | +56.3 | 2741 22 9.7^ +56^ 19 5.1 | 5.5 6.6 1 4.8 4.6 | |
| 22.6 | +56.1 | 2727 22 6.6^ +56^ 7 6.0 39 26 5.4 18 +5 | 6.6 6 7.2 5.9 5.7 | |
| 2333 | +76.8 | 928 23 33.4^ +76^ 50 3.5 | 4.7 1.6 6.3 5.0 3.8 | |
| | | 5.2 6.8 5.5 4.3 | | |
| 2345 | +76.8 | 934 23 45.0^ +76^ 48 6.9 | 6.7 1.6 8.3 7.0 5.8 | |
| 2312 | +67.3 | 1514 23 12.7^ +67^ 19 5.2 | 6.0 1.0 7.0 5.7 5.1 | |
| | | 6.3 7.3 6.0 5.4 | | |
| 2326 | +77.0 | 909 23 26.2 +77^ 0 68 | 6.6 1.6 8.2 6.9 5.9 | |
| 2325 | +77.1 | 908 23 25.2^ +77^ 5 7.0 | 6.7 1.6 8.3 7.0 5.8 | |
| 2312 | +77.4 | 896 23 11.9^ +77^ 22 7.3 | 6.9 1.7 8.6 7.3 6.0 | |
| 2222 | +77.5 | 860 22 22.4^ +77^ 30 6.8 | 6.3 1.7 8.0 6.7 5.4 | |
| 2242 | +57.7 | 2612 22 41.7^ +57^ 43 6.3 | 6.1 7 6.8 5.5 5.2 | |
| 2223 | +57.7 | 2548 22 23.8^ +57^ 41 var | 4.7 7 5.4 4.1 3.8 | |
| 2147 | +77.5 | 834 21 46.8^ +77^ 34 7.0 | 6.3 1.7 8.0 6.7 5.4 | |
| 2124 | +76.4 | 836 21 23.7^ +76^ 28 6.5 | 6.4 1.6 8.0 6.7 5.5 | |
| 22.6 | +57.5 | 2475 22 58^ +57^ 29 4.1 | 5.8 7 6.5 5.2 4.9 | |
| | | 6.2 6.9 5.6 5.3 | | |
| 2229 | +78.1 | 801 22 28.6^ +78^ 4 5.7 | 5.2 1.7 6.9 5.6 4.3 | |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

150

January 13, 1887

Plate 795

[[8 columned table]]

V|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines|

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

9.9|16.0|I| ~~[[/del]]6[[/del]]7|K=.2H|3|-|~~

8.7|8.6|I| 4|K=H|1|-|

8.6|9.4|I?| ~~[[/del]]6[[/del]]7|N|3|Seen|~~

8.0|9.3|I| ~~[[/del]]2[[/del]]3|N|1|-|~~

7.6|11.2|I| 5|K=H|1|-|

8.0|11.3|I| ~~[[/del]]?[[/del]]~~

~~[[/del]]3[[/del]]5|N|1|-|~~

7.6|16.6|I| 5|~~[[/del]]?[[/del]]~~K=H|2|F|

8.8|24.2|I| ~~[[/del]]4[[/del]]3|N|2|-|~~

6.8|20.3|~~[[/del]]~~

alpha|303|~~[[/del]]4[[/del]]3|K=H|2|F[[/del]]?[[/del]]~~

~~[[/del]]~~

6.8|16.5|I| 4|N|2|-|

6.9|6.4|I|

~~[[/del]]3[[/del]]5|N[[/del]]K=.~~

5H|1|-|

6.4|7.4|I|

4|~~[[/del]]5[[/del]]N[[/del]]?[[/del]]2~~

2|-|

5.6|9.4|I?| ~~[[/del]]4[[/del]]5|K=H|2|-|~~

~~[[/del]]?[[/del]]~~

6.0|12.8|I| ~~[[/del]]3 [[/del]] 5|[[/del]]N~~

~~[[/del]]K=H|1|-|~~

3.6|20.9|~~[[/del]] I~~

sigma|304|~~[[/del]]5[[/del]]3[[/del]]~~

~~[[/del]]7[[/del]]K=H~~

~~[[/del]]N|2|-|~~

2.5|19.7|III beta|?|2|~~[[/del]]N [[/del]]K=H|1|seen|~~

2.5|19.9|~~[[/del]]3[[/del]]5|N|1|-|~~

Plate 787

22.5|19.7|III beta|?|306|~~[[/del]]4~~

~~[[/del]]2[[/del]]N [[/del]]K=H|1|seen|~~

20.1|15.6|~~[[/del]] alpha|307|[[/del]]5~~

~~[[/del]]2|K=H|2|-|~~

20.2|16.1|~~[[/del]]6?[[/del]]7[[/del]]~~

~~[[/del]]K=.2H|2|-|~~

20.4|20.9|~~[[/del]]~~

alpha|308|~~[[/del]]4[[/del]]2|K=H|2|seen|~~

18.8|10.2|4|N|2|-|

18.6|13.9|~~[[/del]]? [[/del]]3|N|1|-|~~

16.0|7.4|I?|3|N|1|-|

16.5|8.6|~~[[/del]]3[[/del]]4|[[/del]]N~~

~~[[/del]]K=H|1|-|~~

16.5|10.2|~~[[/del]]4[[/del]]5|N|1|-|~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 9

No. | R.A. | DEC. | MAG | | BR.

22 25 +78.0|796|22 25.6[^]~~[[^]]~~+78[^]~~[[^]]~~ 1|6.0|_5.8 1.7 7.5
6.2|4.9~~[[symbol - checkmark]]~~ .

23 3 +58.5|2552|2~~[[strikethrough]]~~2~~[[strikethrough]]~~[^]~~[[3]]~~
3.6[^]~~[[^]]~~+58[^]~~[[^]]~~ 34|6.1|_6.5 .7 7.2 5.9|5.6~~[[symbol - checkmark]]~~ .

23 0 58.6|2545|23 0.5[^]~~[[^]]~~+58[^]~~[[^]]~~ 38|5.3| _5.7 .7 6.4 5.1|4.8~~[[symbol - checkmark]]~~ .

23 1 +58.9|2546|23 1.1[^]~~[[^]]~~+58[^]~~[[^]]~~ 58|6.5|_6.8 .7 7.5 6.2|5.9~~[[symbol - checkmark]]~~ .

23 14 +79.1|777|23 13.9[^]~~[[^]]~~+79[^]~~[[^]]~~ 6|7.8|_6.5 1.8 8.3
7.0|5.6~~[[symbol - checkmark]]~~ .

22 53 +59.0|2615|22 53.2[^]~~[[^]]~~+59[^]~~[[^]]~~ 2|6.5|_6.6 .7 7.3 6.0|5.7~~[[symbol - checkmark]]~~ .

22 29 +69.2|1262|22 28.9[^]~~[[^]]~~+69[^]~~[[^]]~~ 9|6.0|_6.4 1.1 7.5
6.2|5.5~~[[symbol - checkmark]]~~ .

21 8 +77.5|800|21 8.4[^]~~[[^]]~~+77[^]~~[[^]]~~ 32|6.1|3733 5.8
~~[[strikethrough]]~~29~~[[strikethrough]]~~[^]~~[[16]]~~
~~[[strikethrough]]~~+14~~[[strikethrough]]~~[^]~~[[+3]]~~~~[[strikethrough]]~~7.0~~[[strikethrough]]~~
~~[[strikethrough]]~~[^]~~[[underline]]~~5.7~~[[underline]]~~ 1.7
~~[[strikethrough]]~~8.7~~[[strikethrough]]~~[^]~~[[7.4]]~~
~~[[strikethrough]]~~7.2~~[[strikethrough]]~~[^]~~[[underline]]~~6.1~~[[underline]]~~~~[[und~~
~~erline]]~~4.8~~[[underline]]~~~~[[symbol - checkmark]]~~ .

22 7 +69.5|1228|22 7.4[^]~~[[^]]~~+69[^]~~[[^]]~~ 25|5.9|_6.2 1.1 7.3
6.0|5.3~~[[symbol - checkmark]]~~ .

22 29 +69.6|1263|22 29.2[^]~~[[^]]~~+69[^]~~[[^]]~~ 37|6.2|_6.2 1.1 7.3
6.0|5.3~~[[symbol - checkmark]]~~ .

0 1 +78.9|1|0 1.5|+78 55|6.5|_6.4~~[[underline]]~~5.9~~[[underline]]~~ 1.8 7.7
~~[[underline]]~~6.4~~[[underline]]~~ 5.0~~[[underline]]~~~~[[symbol - checkmark]]~~ .

23 21 +69.6|1332|28[^]~~[[3]]~~ 21.1[^]~~[[^]]~~+69[^]~~[[^]]~~ 34|6.2|4150 5.7 14
~~[[strikethrough]]~~-1~~[[strikethrough]]~~[^]~~[[+1]]~~6.05.9 1.1 7.1
~~[[strikethrough]]~~5.6~~[[strikethrough]]~~[^]~~[[5.8]]~~5.1~~[[symbol - checkmark]]~~ .

23 10 +70.1|1311|23 10.0[^]~~[[^]]~~+70[^]~~[[^]]~~ 6|6.0|_6.0 1.2 7.2
5.9|5.1~~[[symbol - checkmark]]~~ .

22 59 +79.9+761|22
58.8[^]~~[[^]]~~~~[[strikethrough]]~~+80~~[[strikethrough]]~~[^]~~[[^]]~~79
~~[[strikethrough]]~~0~~[[strikethrough]]~~[^]~~[[60]]~~7.2|_6.1 1.9 8.0 6.7|5.2~~[[symbol - checkmark]]~~ .

21 19 +80.6|690|21 19.2[^]~~[[^]]~~+80[^]~~[[^]]~~ 37|6.3|_5.9 2.0 7.9

6.6|5.0[[symbol - checkmark]] .

22 7 +71.6|1111|22 7.0^{[[^]]}+71^{[[^]]}
38|5.2|_||~~[[underline]]~~5.2~~[[underline]]~~^{[[^]]}5.8~~[[underline]]~~
~~[[underline]]~~1.3} 7.5^{[[^]]}[7.1]
~~[[underline]]~~6.2~~[[underline]]~~^{[[^]]}5.8~~[[underline]]~~
~~[[underline]]~~4.9~~[[underline]]~~[[symbol - checkmark]] .

21 23 +81.4|~~[[underline]]~~736|21 24.7^{[[^]]}+81^{[[^]]}
24|7.9|~~[[underline]]~~735|21 23.6|+81
9|7.8|_|~~[[underline]]~~6.7~~[[underline]]~~~~[[underline]]~~
~~[[underline]]~~2.1 8.8 ~~[[underline]]~~7.5~~[[underline]]~~~~[[underline]]~~[[symbol - checkmark]] .

Mean 16

22 6 +71.6|1111|22 7.0^{[[^]]}+71^{[[^]]}
38|5.2|_||~~[[underline]]~~6.9~~[[underline]]~~^{[[^]]}6.5~~[[underline]]~~
~~[[underline]]~~1.3}
8.2^{[[^]]}~~[[underline]]~~7.8~~[[underline]]~~
~~[[underline]]~~6.1~~[[underline]]~~^{[[^]]}5.7~~[[underline]]~~[[symbol - checkmark]] .

22 32 +72.9|1049|22 32.2^{[[^]]}+72^{[[^]]} 54|5.5|_6.5 1.3 7.8
5.7|4.9[[symbol - checkmark]] .

22 33 +62.8|2102|22 33.5^{[[^]]}+62^{[[^]]} 50|5.3|_6.5 .9 7.4
5.3|4.9[[symbol - checkmark]] .

21 57 +72.5|1009|21 57.2^{[[^]]}+72^{[[^]]} 28|5.0|_6.6 1.3 7.9
5.8|5.0[[symbol - checkmark]] .

23 9 +73.4|1023|23 9.5^{[[^]]}+73^{[[^]]} 27|6.2|4112 5.6 25 +4|6.7 1.4 8.1
6.0|5.1[[symbol - checkmark]] .

22 43 +53.6|2993|22 42.8^{[[^]]}+53^{[[^]]} 39|6.0|4032 6.0 17 -4|7.1 .6 7.7
5.6|5.5[[symbol - checkmark]] .

23 33 +74.5|1032|23 33.1^{[[^]]}+74^{[[^]]} 28|6.5|_6.7 1.4 8.1
6.0|5.1[[symbol - checkmark]] .

23 23 +74.4|1022|23 23.3^{[[^]]}+74^{[[^]]} 26|7.0|_7.1 1.4 8.5
6.4|5.5[[symbol - checkmark]] .

23 12 +74.5|1016|23 12.3^{[[^]]}+74^{[[^]]} 31|6.6|.6.7 ~~[[underline]]~~1.4 8.1
6.0~~[[underline]]~~5.1[[symbol - checkmark]] .

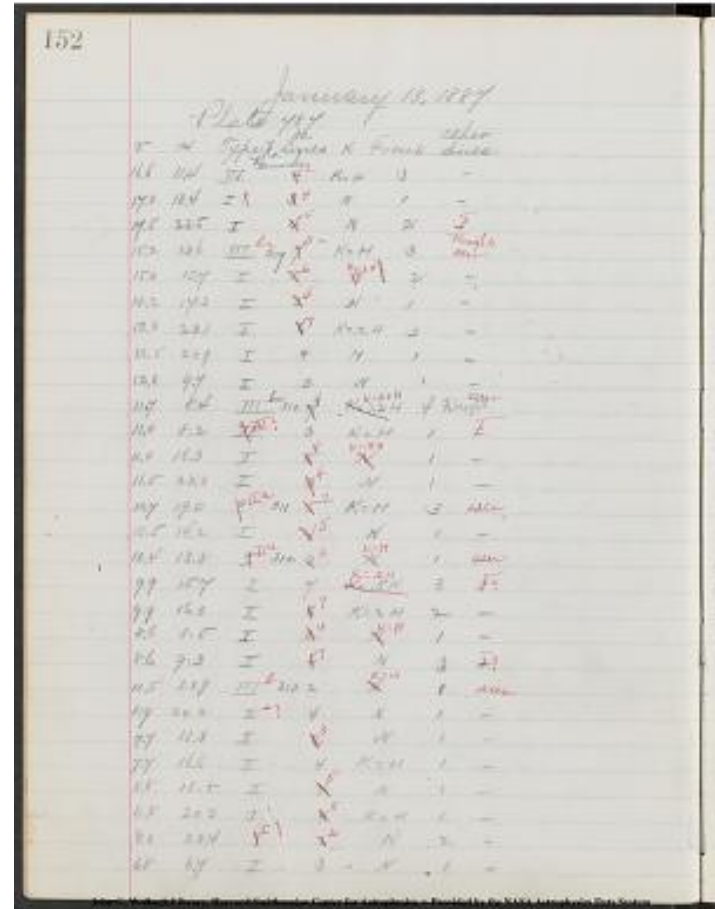
Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 13, 1887.

Plate 797.

[8 column table]

| V | H | Type | No. | Remarks | No. | Lines | K | Focus | Other Lines. |
|------|------|--------------------|--------------------|--------------------|--------------------|----------------------|--------------------|-------|--------------|
| 16.6 | 11.4 | III | 4 | [[[2]]] | K = H | 3 | | | |
| 17.0 | 18.4 | I | [[[2]]] | [[[2]]] | [[[2]]] | 3 | | | |
| 17.5 | 23.5 | I | [[[2]]] | [[[2]]] | [[[2]]] | 4 | | | |
| 15.2 | 13.6 | III | b.c. | 309 | [[[2]]] | 7 ^{[[[3]]]} | [[[2]]] | | |
| 15.0 | 15.7 | I | [[[2]]] | [[[2]]] | [[[2]]] | 5 | | | |
| 15.0 | 15.7 | I | [[[2]]] | [[[2]]] | [[[2]]] | 5 | | | |
| 14.2 | 17.3 | I | [[[2]]] | [[[2]]] | [[[2]]] | 3 | | | |
| 13.0 | 23.1 | I | [[[2]]] | [[[2]]] | [[[2]]] | 6 | | | |
| 12.5 | 20.9 | I | 4 | N | 1 | -- | | | |
| 12.8 | 9.7 | I | 3 | N | 1 | -- | | | |
| 11.7 | 8.4 | III | b.c. | 310 | [[[2]]] | 7 ^{[[[3]]]} | [[[2]]] | | |
| 11.0 | 8.2 | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | | |
| 11.0 | 16.3 | I | [[[2]]] | [[[2]]] | [[[2]]] | 5 | | | |
| 11.5 | 23.3 | I | [[[2]]] | [[[2]]] | [[[2]]] | 3 | | | |
| 10.7 | 19.0 | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | | |
| 10.5 | 14.2 | I | [[[2]]] | [[[2]]] | [[[2]]] | 4 | | | |
| 10.4 | 13.8 | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | | |
| 9.9 | 15.7 | I | 7 | [[[2]]] | [[[2]]] | K = .5 H | [[[2]]] | | |
| 9.9 | 16.0 | I | [[[2]]] | [[[2]]] | [[[2]]] | 6 | | | |
| 8.6 | 8.5 | I | [[[2]]] | [[[2]]] | [[[2]]] | 2 | | | |
| 8.6 | 9.3 | I | [[[2]]] | [[[2]]] | [[[2]]] | 6 | | | |
| 10.5 | 23.9 | III | b | 313 | 2 | [[[2]]] | [[[2]]] | | |
| 8.9 | 24.2 | I | d? | 4 | N | 1 | -- | | |
| 7.7 | 11.3 | I | [[[2]]] | [[[2]]] | [[[2]]] | 2 | | | |
| 7.7 | 16.6 | I | 4 | K = H | 1 | -- | | | |
| 6.8 | 16.5 | I | [[[2]]] | [[[2]]] | [[[2]]] | 4 | | | |
| 6.8 | 20.3 | I | [[[2]]] | [[[2]]] | [[[2]]] | 4 | | | |
| 8.0 | 23.4 | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | [[[2]]] | | |
| 6.8 | 6.7 | I | 3 | N | 1 | -- | | | |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 16

[[10 columned table]]

| | NO. | R.A. | DEC. | MAG. | | Br. | | |

23 3 | +74.6 | 1006 | 23 3.3[^][[]] | +74[^][[]] 36 | 4.6 | -- | [^][[5.9]] 6.2 |
 1.4 | [^][[7.3 5.2]] 7.6 5.5 | [^][[4.3]] 4.6 | . |
 22 22 | +64.3 | 1664 | 22 22.4[^][[]] | +64[^][[]] 23 | 5.8 | 3974 5.6 21 ±0 |
 6.8 | .9 7.7 5.6 | 5.2 | . |
 21 59 | +63.9 | 1802 | 21 59.6 | +63 55 | 4.5 | 3903 4.4 25 +4 |
6.0 | 9.6 9 | 4.8 | 4.4 |
 22 44 | +65.5 | 1814 | 22 44.5[^][[]] | +65[^][[]] 26 | 3.8 | -- | [^][[5.7]] 6.0 |
 1.0 | [^][[6.7 4.6]] 7.0 4.9 | [^][[4.1]] 4.4 | . |
 22 29 | +75.5 | 836 | 22 29.7[^][[]] | +75[^][[]] 27 | 5.7 | -- | 6.1 | 1.5 7.6
 5.5 | 4.5 | . |
 22 18 | +75.7 | 820 | 22 16.6[^][[]] | +75[^][[]] 46 | 6.8 | . | 6.9 | 1.5 8.4 6.3
 5.3 | . |
 22 10 | +56.3 | 2741 | 22 9.7[^][[]] | +56[^][[]] 19 | 5.1 | -- | 6.8 | 7.4 5.3 |
 6.8 | 5.2 | 5.2 | . |
 22 18 | +56.5 | 2765 | 22 17.7[^][[]] | +56[^][[]] 33 | 6.7 | . | 7.0 | 6.7 6.5
 5.4 | . |
 23 4 | +66.5 | 1587 | 23 4.2[^][[]] | +66[^][[]] 28 | 6.7 | . | 7.2 | 1.0 8.2 6.1 |
 5.6 | . |
 23 33 | +76.8 | 928 | 23 33.4[^][[]] | +76[^][[]] 50 | 3.5 | -- | [^][[4.9]] 5.3 |
 1.6 | [^][[6.5 4.4]] 6.9 4.8 | [^][[3.3]] 3.7 | . |
 23 13 | +67.3 | 1514 | 23 12.7[^][[]] | +67[^][[]] 19 | 5.2 | -- | [^][[6.7]] 6.9 |
 1.0 | [^][[7.7 5.6]] 7.9 5.8 | [^][[5.1]] 5.3 | . |
 22 22 | +77.5 | 860 | 22 22.4[^][[]] | +77[^][[]] 307 | 6.8 | -- | 6.8 | 1.7 8.5
 6.4 | 5.2 | . |
 21 24 | +76.5 | 836 | 21 23.7[^][[]] | +76[^][[]] 28 | 6.5 | . | 6.9 | 1.6 8.5 |
 6.9 | 6.4 | 5.3 | . |
 22 23 | +57.7 | 2548 | 22 23.8[^][[]] | +57[^][[]] 41 | var | -- | 5.9 | 7.6 6
 4.5 | 4.3 | . |
 22 41 | +77.8 | 871 | 22 41.5[^][[]] | +77[^][[]] 44 | 7.2 | . | 7.0 | 1.7 8.7 6.6
 5.4 | . |
 22 44 | +67.8 | 1468 | 22 44.1[^][[]] | +67[^][[]] 49 | 6.5 | -- | 7.0 | 1.1 8.1
 6.0 | 5.4 | . |
 22 28 | +78.1 | 801 | 22 28.6[^][[]] | +78[^][[]] 4 | 5.7 | -- | 5.5 | 1.7 7.2 5.1
 3.9 | . |
 22 25 | +78.0 | 796 | 22 25.6[^][[]] | +78[^][[]] 1 | 6.0 | -- | 5.8 | 1.7 7.5 5.4
 4.2 | . |
 23 3 | +58.6 | 2552 | 23 3.6[^][[]] | +58[^][[]] 34 | 6.1 | -- | 6.8 | 7.7 5.4 |
 5.2 | . |
 23 1 | +58.6 | 2545 | 23 0.5[^][[]] | +58[^][[]] 38 | 5.3 | 4086 5.0 18 -3 | 6.1
 7.6 8.4 7 | 4.5 | . |
 22 6 | +57.5 | 2475 | 22 5.8[^][[]] | +57[^][[]] 29 | 4.1 | -- | 6.6 | 6.6 |
 6.6 | 5.2 | 4.8 | . |
 7.3 | 5.2 | 5.0 | . |
 21 8 | +77.5 | 800 | 21 8.4[^][[]] | +77[^][[]] 32 | 6.1 | . | 6.4 | 1.7 8.1 |
 6.4 | 6.0 | 4.8 | . |
 23 14 | +79.1 | 777 | 23 13.9[^][[]] | +79[^][[]] 6 | 7.8 | . | 6.8 | 1.8 8.6 6.5 |
 5.2 | . |
 22 29 | +69.2 | 1262 | 22 28.9[^][[]] | +69[^][[]] 9 | 6.0 | -- | 6.6 | 1.1 7.7
 5.6 | 5.0 | . |
 22 29 | +58.6 | 1263 | 22 29.2[^][[]] | +69[^][[]] 37 | 6.2 | . | 6.8 | 1.2 8.0
 5.9 | 5.2 | . |
 22 7 | +69.4 | 1228 | 22 7.4[^][[]] | +69[^][[]] 25 | 5.9 | -- | 6.5 | 1.1 7.6 5.5

| 4.9 . |
 | 22 6 | +58.6 | 2402 | 22 6.6^{[[^]]} | +58^{[[^]]} 41 | 5.6 | | 6.4
1.7 8.1 6.0 | 4.8 4.8 . |
 | 0 1 | +78.9 | 1 | 0 1.5^{[[^]]} | +78^{[[^]]} 55 | 6.5 | . | 6.5
1.8 8.3 6.2 | 4.9 4.9 . |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 13, 1887.

Plate 787.

[[8 columned table]]

| V | H | Type No. | Remark. | No. Lines | K | Focus | Other Lines. |
|------|------|----------|---------|-----------|-----|-------|--------------|
| --- | --- | --- | --- | --- | --- | --- | --- |
| 6.4 | 7.4 | I | | | | | |
| 5H? | 1 | - | | | | | |
| 15.5 | 9.4 | I | | | | | |
| 8H | 1 | - | | | | | |
| 13.6 | 20.9 | I | | | | | |
| 2.5 | 19.8 | III | | | | | |

[[[strikethrough]]4[[/strikethrough]]6[[[strikethrough]]N[[/strikethrough]]K=.

5H?|1|-|

15.5|9.4||

[[[strikethrough]]4[[/strikethrough]]5[[[strikethrough]]N[[/strikethrough]]K=.

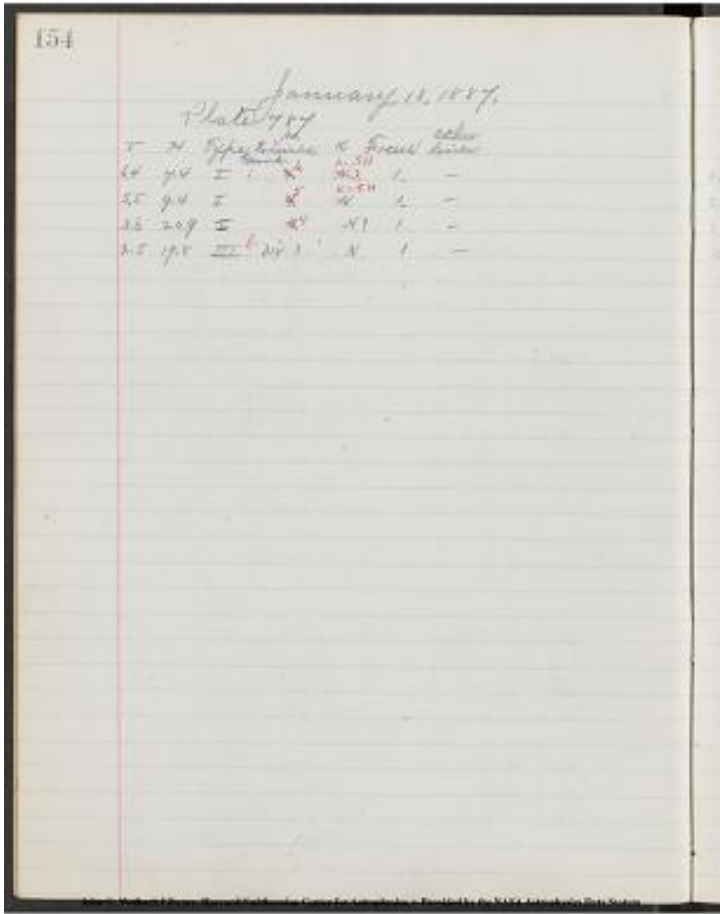
8H|1|-|

13.6|20.9|||

[[[strikethrough]]3[[/strikethrough]]4|N?|1|-|

2.5|19.8|III^[[b]]|314|1|N.|1|-|

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



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

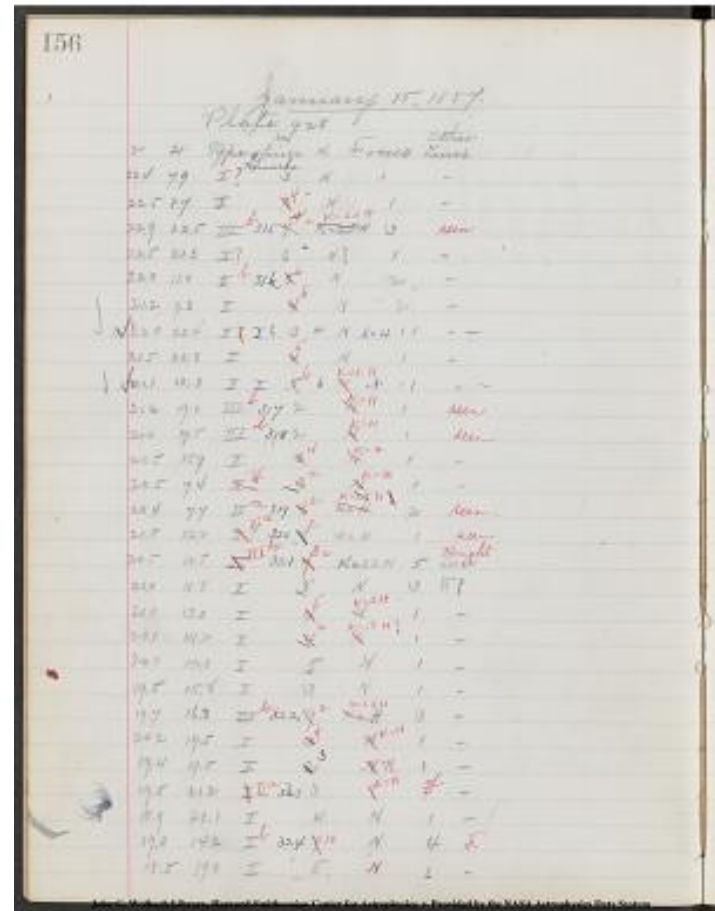
$$[\text{equation}] [\text{equation}]$$

Smithsonian Institution Transcription Center, Harvard-Smithsonian Center for Astrophysics

January 15, 1887.
Plate 928

[8 column table]

| [v H Type No. | Remarks No. | Lines K Focus Other Lines. |
|------------------------|-------------------------------|----------------------------|
| 22.4 7.9 I? | 3 N 1 - | |
| 22.5 8.7 I | [[3]] 4 N 1 - | |
| 22.9 22.5 III^b 315 | [[4]] 4 | [[3]] |
| 2 K=2.0H | [[3]] K=2.5H | [[3]] seen |
| 22.5 21.3 I? | 6 N? 1 - | |
| 22.0 11.0 I^b. 316 | [[5]] 6 N 2 - | |
| 21.2 9.3 I | [[4]] 6 N 2 - | |
| [[symbol-check]] | [[symbol-check]] | |
| 22.0 22.4 I | [[?]] 1? | 3 4 N K=H 1 1 - |
| 21.5 22.8 I | [[4]] 5 N 1 - | |
| [[symbol-check]] | [[symbol-check]] 21.1 18.3 I | |
| [[5]] | [[6]] N | [[?]] |
| K=2H N 1 1 - | | |
| 21.2 19.0 III^b 317 2 | [[N]] K=H 1 seen | |
| 21.0 19.5 III^b 318 2 | [[N]] K=H 1 seen | |
| 20.5 15.9 I | | |
| [[3]] 4 | [[N]] K= | H 1 - |
| 20.5 7.4 | [[?]] | |
| [[3]] 2 | [[N]] K= | H 1 - |
| 20.4 7.7 II^a 319 | [[4]] 2 | [[K]=H |
| [[?]] | 1.5 | [[H]] |
| 20.5 12.2 | [[?]] II^a 320 | 4 |
| K=H 1 seen | | |
| 20.5 13.5 | [[III^b.c.]] 321 | 7 |
| 2 K=1.2H 5 Bright seen | | |
| 20.0 10.8 I | 8 N 3 F | [[?]] |
| 20.0 13.0 I | | |
| [[4]] 5 | [[N]] K=. | 5H 1 - |
| 20.1 14.2 I | | |
| [[4]] 6 | [[N]] K=. | 2H? 1 - |
| 20.0 14.3 I | 5 N 1 - | |
| 19.5 15.8 I | 3 N 1 - | |
| 19.7 16.3 III^b.c. 322 | [[9]] 2 | [[?]] |
| K=H | K=1.2H 3 - | |
| 20.2 19.5 I | | |
| [[3]] | [[N]] K=H | 1 - |
| 19.4 19.5 I | | |
| [[2]] 3 | [[N]] N 1 | 1 - |
| 19.5 21.2 | 1 | II^a 323 3 |
| K=H | 1 | |
| 18.9 23.1 I | 4 N 1 - | |
| 19.0 14.2 I^b 324 | 9 | 10 N 4 F. |
| 18.5 19.0 I | 5 N 1 - | |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

Mean 8

[[9 columned table]]
 | No. | R.A. | DEC. | MAG. | | Br. | | |
 |-----|-----|-----|-----|-----|-----|-----|
 23 54 +65.6|1985|23 54.6|+65| 38|69|
 |[[underlined]]7.0|[[underlined]]1.0 8.0 6.6|• 6.2 |
 0 10 +75.5|7|0 102|+75 28|7.4|•|[[strikethrough]]|[[underlined]]7.0
 |[[strikethrough]]|[[underlined]]1.5 8.5
 |[[strikethrough]]|[[underlined]]7.1|[[strikethrough]]|[[underlined]]|• |
 22 45 +65.4|1814|22 44.5|+65| 26|3.8|
 |[[strikethrough]]|[[underlined]]6.0^[[5.7]]|[[strikethrough]]|[[underlined]]|1.
 0} 7.0^[[6.7]]
 |[[strikethrough]]|[[underlined]]5.3^[[5.6]]|[[strikethrough]]|[[underlined]]|} • |
 22 29 +75.5|836|22 29.7|+75| 27|5.7|
 |[[strikethrough]]|[[underlined]]5.9|[[strikethrough]]|[[underlined]]|1.5 7.4
 |[[strikethrough]]|[[underlined]]6.0|[[strikethrough]]|[[underlined]]|• |
 23 40 +65.9|1943|23 39.4|+65| 58|6.3|4199 6.0 15 +
 1|[[underlined]]6.5|[[underlined]]1.0 7.5 |[[underlined]]6.1|[[underlined]]|• |
 5.7 |
 0 8 +76.2|5|0 8.1|+76 9|6.5|35 6.2 16 +2|[[underlined]]6.2 1.6 7.8
 6.4|[[underlined]]|• |[[underlined]]5.4|[[underlined]]|
 22 43 +66.2|1546|22 42.9|+66| 8|8.0|•6.9 |[[underlined]]7.0| 1.0 8.0
 6.6|[[underlined]]|• |[[underlined]]6.2|[[underlined]]|
 22 16 +75.7|820|22 16.6|+75| 46|6.8|•|[[underlined]]6.7| 1.5 8.2
 6.8|[[underlined]]|• |[[underlined]]5.9|[[underlined]]|
 23 4 +66.5|1587|2|[[strikethrough]]2|[[strikethrough]]3 4.2|+66|
 28|6.7|•6.6 |[[underlined]]6.6|[[underlined]]1.0 7.6 6.2|•
 |[[underlined]]5.8|[[underlined]]|
 22 58 +66.4|1575|22 58.1|+66| 27|5.5|•7.3^[[7.0]]1.0} 8.3^[[8.0]]
 6.9^[[6.6]]|• |[[underlined]]6.5^[[6.2]]|[[underlined]]|
 23 4 +56.6|2958|23 3.9|+56| 40|7.0|•|[[underlined]]7.1^[[6.8]]|• .7}
 7.8|[[underlined]]^[[7.5]] |[[underlined]]6.4|[[underlined]]^[[6.1]]|•
 |[[underlined]]6.3|[[underlined]]^[[6.0]]|
 23 17 +56.7|2999|23 7.6|+56| 44|7.0|•7.0|7 7.7 6.3|• 6.2 |
 23 48 +56.6|3115|23 48.3|+56| 38|7.5|•6.8|7 7.5 6.1|• 6.0 |
 23 47 +56.7|3111|23 47.2|+56| 41|5.0|•6.6|7 7.3 5.9|• 5.8 |
 23 45 +76.8|934|23 45.0|+76| 48|6.9|•6.6|1.6 8.2 6.8|• 5.8 |
 23 33 +76.8|928|23 33.4|+76| 50|3.5|•4.9 5.2|1.6 6.5 6.8 5.1 5.4|•
 4.1 4.4 |
 23 41 +66.9|1562|23 41.0|+67| 0|5.5|4204 5.1 16 +2|5.7|1.0 6.7
 5.3|• 4.9 |
 23 29 +67.0|1542|23 30.0|+67| 3|7.2|•7.0|1.0 8.0 6.6|•6.2 |
 23 26 +77.0|909|23 26.2|+77| 0|6.8|•6.6|1.6 8.2 6.8|• 5.8 |
 23 25 +77.1|908|23 25.2|+77| 5|7.0|•6.7|1.6 8.3 6.9|• 5.9 |
 23 11 +77.4|896|23 11.9|+77| 22|7.3|•7.0|1.6 8.7 7.3|• 6.2 |
 23 12 +67.3|1514|23 12.7|+67| 19|5.2|•6.0 6.2|1.0 7.0 7.2 5.6 5.8|•
 5.2 5.4 |
 22 39 +76.8|870|22 49.0|+76| 51|7.5|•6.0|1.6 8.1 6.7|• 5.7 |
 22 38 +77.3|868|22 38.4|+77| 16|8.1|•7.0|1.6 8.6 7.2|• 6.2 |
 22 47 +57.2|1475|22 47.6|+67| 12|7.3|•7.0|1.0 8.0 6.6|• 6.2 |
 22 50 +57.4|2644|22 50.1|+57| 26|7.0|•6.9|7 7.7 6.2|• 6.1 |
 23 23 +57.7|2748|23 23.4|+57| 46|5.7 4153 4.8 1450|5.5|7 6.2
 4.8|• 4.7 |
 22 47 +77.8|871|22 41.5|+77| 44|7.2|•6.7|1.7 8.4 7.0|• 5.9 |

The image shows a handwritten astronomical data table on a piece of paper. The table has 9 columns and many rows of data. The columns are labeled 'No.', 'R.A.', 'Dec.', 'Mag.', and 'Br.'. The data is written in cursive and includes various numbers and symbols, some of which are underlined or crossed out. The page number '157' is visible in the top right corner.

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 15, 1887.

Plate 928.

|V|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines|

|18.8|21.1|| |6|N|2|-|

|18.4|21|[[[strikethrough]]|[[[strikethrough]]|1a|32.5|

[[[strikethrough]]4|[[[strikethrough]]|[[[strikethrough]]3|[[[strikethrough]]
2|K=H|2|seen|

|18.4|6.0|| d | [[[strikethrough]]4|[[[strikethrough]] 6|K=H|1|-|

[[left margin]] III? 6.5, 6.7 [[/left margin]]

|18.5|9.7||I| b.c.|326| [[[strikethrough]]4|[[[strikethrough]]

[[[strikethrough]]3|[[[strikethrough]] 2|N|2|seen|

|17.8|9.2| [[[strikethrough]]|I|[[[strikethrough]] 1a|327|

[[[strikethrough]]4|[[[strikethrough]]| [[[strikethrough]]3|[[[strikethrough]]

2|K=H|1|F. seen|

|17.5|7.9||I| [[[strikethrough]]4|[[[strikethrough]] 6|N|1|-|

|17.5|15.8||I| [[[strikethrough]]4|[[[strikethrough]] 5|N|1|-|

|17.8|20.2||I| [[[strikethrough]]7|[[[strikethrough]] 9|

[[[strikethrough]]?|[[[strikethrough]] K=.2H|3|F|

|17.6|20.5||I| [[[strikethrough]]6|[[[strikethrough]] 8|

[[[strikethrough]]N|[[[strikethrough]] K=.2H|2|-|

|17.2|19.3||I| [[[strikethrough]]8|[[[strikethrough]] 9|

[[[strikethrough]]K=.5H|2|-|

|17.0|20.2||b|328| [[[strikethrough]]7|[[[strikethrough]] 9 |N|4|F|

|16.5|20.0||I| [[[strikethrough]]6|[[[strikethrough]] 7|N|2|-|

|16.5|21.1||I|3|N|1|-|

|16.0|21.1||I| [[[strikethrough]]3|[[[strikethrough]] 5|N|1|-|

|16.0|21.9||I| [[[strikethrough]]5|[[[strikethrough]] 6|N|1|-|

|16.5|23.5||I|3|N|1|-|

|15.1|24.0||d|I| [[[strikethrough]]6|[[[strikethrough]] 7|K=H|2|-|

|16.2|6.4||I|?| [[[strikethrough]]2|[[[strikethrough]] 3|NN|1 1|- -|

|16.4|8.8||I| [[[strikethrough]]3|[[[strikethrough]] 4|N|1|-|

|16.1|10.9||I| [[[strikethrough]]7|[[[strikethrough]] 8|

[[[strikethrough]]K=.8H|[[[strikethrough]] K=.5H|3|F?|

|16.3|11.7||b|329|5|N|1|-|

|16.1|12.0||4|I| [[[strikethrough]]?|[[[strikethrough]] K=H|1|-|

|16.5|14.7||I|5|N?|1|-|

|16.2|15.5||I| [[[strikethrough]]7|[[[strikethrough]] 8|

[[[strikethrough]]N|[[[strikethrough]] K=.2H|2|F|

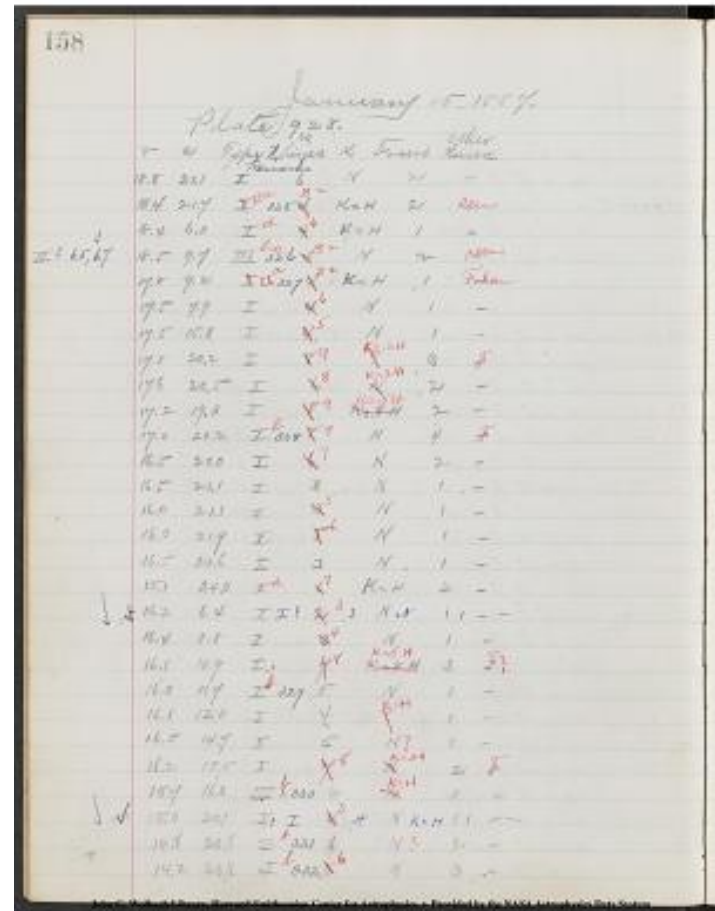
|15.7|16.0||I| [[[strikethrough]]?|[[[strikethrough]] b|330|2|

[[[strikethrough]]N|[[[strikethrough]] K=H|1|-|

|15.0|20.1||I|I| [[[strikethrough]]4|[[[strikethrough]] 3 4|N K=H|1 1|- -|

|14.8|20.8||b|331|6|N?|2|-|

|14.2|23.8||b|332| [[[strikethrough]]5|[[[strikethrough]] 6|N|3|-|

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

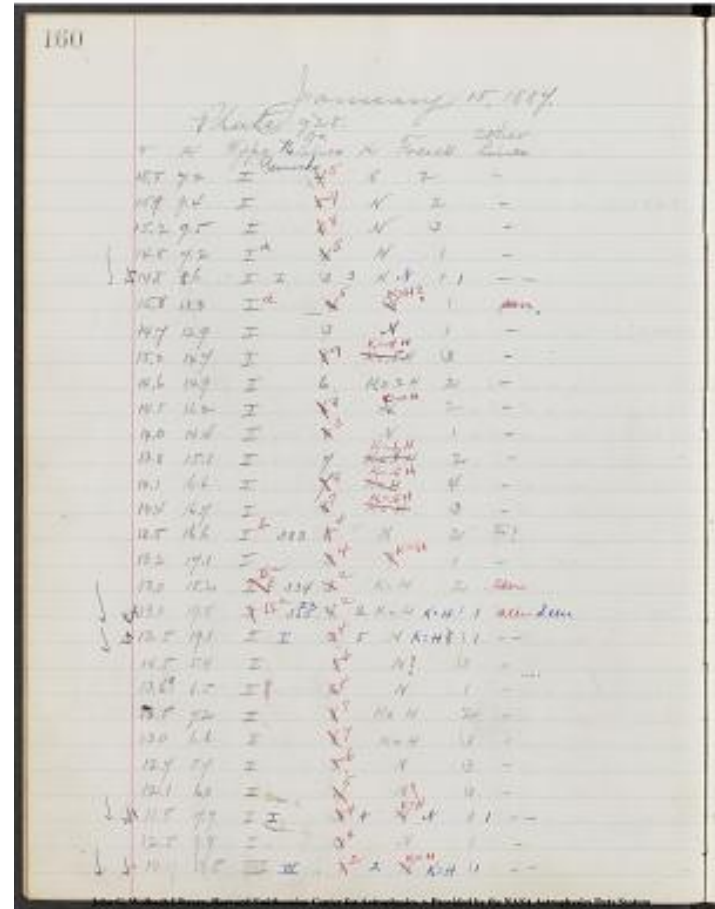
Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 15, 1887.
Plate 728. [[?]]

v|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines
 15.5|7.2|||~~4~~~~5~~|N|2|-
 15.9|9.4|||~~5~~~~7~~|N|2|-
 15.2|9.5|||~~6~~~~8~~|N|3|-
 14.8|7.2|I^a|~~4~~~~5~~|N|1|-
 14.8|8.6|I| 3 3|N N|1 1|- -
 15.8|13.3|I^a|
~~4~~~~5~~|~~N~~|~~K~~=
 H?|1|~~seen~~.
 14.7|12.9|I| 3|N|1|-
 15.2|14.7|I|
~~8~~~~9~~|~~K~~= .5H|~~3~~-
~~K~~= .4H|3|-
 14.6|14.9|I| 6|K=.2H|2|-
 14.8|16.2|I|
~~6~~~~8~~|~~N~~|~~K~~=
 2H|2|-
 14.0|14.4|I| ~~4~~~~3~~|N|1|-
 13.8|15.1|I| 7|~~K~~= .8H|~~K~~= .6H|2|-
 14.1|16.6|I|
~~7~~~~8~~|~~K~~=H|~~4~~-
~~K~~= .8H|4|-
 14.4|16.7|I|
~~6~~~~7~~|~~K~~=H|~~3~~-
~~K~~= .8H|3|-
 13.5|16.6|I^b|333|~~5~~~~4~~
 5|N|2|~~F~~?|
 13.2|17.1|I|
~~3~~~~4~~|~~K~~=
 H|1|-
 13.0|18.2|~~I~~?|~~I~~^a|334|~~3~~~~3~~|~~s~~
~~2~~|~~K~~=H|2|. seen
 13.0|19.8|~~I~~|~~I~~^a
~~4~~~~2~~|~~K~~=H K-H|1 1|seen seen
 12.5|19.1|I| ~~3~~~~4~~ 5|N K=H|1 1|- -
 14.5|5.4|I| ~~5~~~~6~~|N?|3|-
 13.|~~6~~~~9~~|~~6~~.5|~~?~~|
~~2~~~~4~~|N|1|-
 13.5|7.2|I| ~~6~~~~7~~|~~K~~=H|2|-
 13.0|6.6|I| ~~6~~~~7~~|~~K~~=H|3|-
 12.7|5.7|I| ~~5~~~~6~~|N|3|-
 12.1|6.0|I| ~~4~~~~5~~|N?|3|-
 11.5|7.7|I| ~~3~~~~4~~
 4|~~N~~|~~K~~=H N|1 1|- -
 12.5|9.9|I| ~~3~~~~4~~|N|1|-
 12.7|13.5|III|I| ~~1~~~~2~~
 2|~~N~~|~~K~~=H K=H|1 1|- -



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

161

Mean 8

[[6 column table]]
| No. | R.A. | DEC. | MAG. | Br. |

[[left margin]]
23 50+59.2
[[/left margin]]
[[left margin]]
| 2795 | 23 | 50.3^ | +59^13 | 6.7 | . | 6.5 | .7 | 7.2 | 5.8 | 5.7 [[check]]

[[left margin]]
23 42+59.2
[[/left margin]]
[[left margin]]
| 2777 | 23 | 41.8^ | +59^10 | 6.5 | . | 6.4 | .7 | 7.1 | 5.7 | 5.6 [[check]]

[[left margin]]
0 18+79.3
[[/left margin]]
[[left margin]]
| 10 | 0 | 17.9 | +79 14 | 7.0 | . | 5.9 | 1.8 | 7.7 | 6.3 | 5.1 [[check]]

[[left margin]]
0 41+79.1
[[/left margin]]
[[left margin]]
| 19 | 0 | 44.6^ | +79^2 | 7.7 | . | 6.8 | 1.8 | 8.6 | 7.2 | 6.0 [[check]]

[[left margin]]
23 56+69.5
[[/left margin]]
[[left margin]]
| 1377 | 23 | 56.2^ | +69^30 | 8.0 | . | 7.4 7.0 | 1.1 | 8.1 | 6.7 | 6.2 [[check]]

[[left margin]]
23 27+59.3
[[/left margin]]
[[left margin]]
| 2745 | 23 | 26.9^ | +59^14 | 7.0 | - | 6.9 | .7 | 7.6 | 6.2 | 6.1 [[check]]

[[left margin]]
23 42+79.8
[[/left margin]]
[[left margin]]
| 793 | 23 | 41.8^ | +79^45 | 8.3 | . | 7.0 | 1.9 | 8.9 | 7.5 | 6.2 [[check]]

[[left margin]]
23 21+69.6
[[/left margin]]
[[left margin]]
| 1332 | 23 | 21.1^ | +69^34 | 6.2 | - | 5.7 | 1.1 | 6.8 | 5.4 | 4.9 [[check]]

[[left margin]]
23 20+69.9
[[/left margin]]
[[left margin]]
| 1331 | 23 | 20.2^ | +69^53 | 6.8 | - | 6.5 | 1.2 | 7.7 | 6.3 | 5.7 [[check]]

[[left margin]]
23 5+79.8
[[/left margin]]

| 769 | 23 | 4.6^ | +79^47 | 7.5 | - | 5.9 | 1.9 | 7.8 | 6.4 | 5.1 [[check]]

[[left margin]]

23 26+80.2

[[/left margin]]

| 770 | 23 | 258^ | +80^12 | 8.2 | . | 6.9 | 1.9 | 8.8 | 7.4 | 6.1 [[check]]

[[left margin]]

23 20+60.3

[[/left margin]]

| 2540 | 23 | 19.8^ | +60^17 | 7.0 | - | 6.6 | .8 | 7.4 | 6.0 | 5.8 [[check]]

[[left margin]]

23 10+70.1

[[/left margin]]

| 1311 | 23 | 10.0^ | +70^6 | 6.0 | - | 5.7 | 1.2 | 6.9 | 5.5 | 4.9 [[check]]

[[left margin]]

22 58+79.9+

[[/left margin]]

| 761 | 22 | 58.8^ |

+~~80~~~~79~~~~0~~

60 | 7.2 | - | 5.8 | 1.9 | 7.7 | 6.3 | 5.0 [[check]]

[[left margin]]

23 13+60.3

[[/left margin]]

| 2521 | 23 | 13.7^ | +60^21 | 7.0 | . | 6.6 | .8 | 7.4 | 6.0 | 5.8 [[check]]

[[left margin]]

22 53+80.5

[[/left margin]]

| 739 | 22 | 53.3^ | +80^31 | 7.9 | - | 6.9 | 2.0 | 8.9 | 7.5 | 6.1 [[check]]

[[left margin]]

22 39+80.6

[[/left margin]]

| 731 | 22 | 39.1^ | +80^36 | 6.7 | - | 6.6 | 2.0 | 8.6 | 7.2 | 5.8 [[check]]

[[left margin]]

22 50+70.5

[[/left margin]]

| 1283 | 22 | 50.2^ | +70^35 | 8.1 | - | 6.7 6.9 | 1.2 | 8.1 | 6.7 | 6.1 [[check]]

[[left margin]]

23 3+60.9

[[/left margin]]

| 2491 | 23 | 33^ | +60^52 | 8.3 | . | 7.2 7.2 | .8 | 8.0 | 6.6 | 6.4 [[check]]

[[left margin]]

1 0+78.9

[[/left margin]]

| 34 | 1 |

~~0~~~~1~~~~0~~^ |

+78^54 | 5.6 | | 5.3 | 1.8 | 7.1 |

5.7 | 4.5 [[check]]

[[left margin]]
 23 54+60.0
 [[/left margin]]
 | 2656 | 23 | 54.0^ | +60^2 | 6.8 | . | [[underline]]6.9[[/underline]] | .8 | 7.7 |
 [[underline]]6.3[[/underline]] | [[underline]]6.1[[/underline]] [[check]]

[[left margin]]
 0 48+79.8
 [[/left margin]]
 | 24 | 0 | 48.6^ | +79^46 | 6.5 | - | 6.1 | 1.9 | 8.0 | 6.6 | 5.3 [[check]]

[[left margin]]
 23 54+60.4
 [[/left margin]]
 | 2657 | 23 | 54.3^ | +60^24 | 6.0 | - | [[underline]]6.3[[/underline]] | .8 |
 7.1 | [[underline]]5.7[[/underline]] | [[underline]]5.5[[/underline]] [[check]]

[[left margin]]
 23 57+60.5
 [[/left margin]]
 | 2667 | 23 | 57.6^ | +60^31 | 6.0 | 4258 6.0 10 - 4 |
 [[underline]]6.2[[/underline]] | .8 | 7.0 | [[underline]]5.6[[/underline]] |
 [[underline]]5.4[[/underline]] [[check]]

[[left margin]]
 1 5+80.1
 [[/left margin]]
 | 36 | 1 | 6.2^ | +80^8 | 6.7 | | [[underline]]5.4[[/underline]] | 1.9 | 7.3 |
 [[underline]]5.9[[/underline]] | [[underline]]4.6[[/underline]] [[check]]

[[left margin]]
 23 50+61.2
 [[/left margin]]
 | 2573 | 23 | 50.3^ | +61^12 | 7.3 | - | 7.2 7.2 | .8 | 8.0 | 6.6 | 6.4 [[check]]

[[left margin]]
 0 21+80.5
 [[/left margin]]
 | 10 | 0 | 21.2^ | +80^34 | 7.9 | . | 6.9 | 2.0 | 8.9 | 7.5 | 6.1 [[check]]

[[left margin]]
 23 29+70.9
 [[/left margin]]
 | 1327 | 23 | 28.7^ | +70^50 | 6.0 | - | 6.6}7.0} 6.7}7.0} | }1.2} | 7.9 8.2 |
 6.5}6.8} | 5.9}6.2} [[check]]

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 15, 1887.

Plate 928.

v|H|Type|No. Remarks.|No. Lines|K|Focus|Other Lines.

13.5|13.4||

|[[[strikethrough]]4|[[[strikethrough]]5|[[[strikethrough]]N|[[[strikethrough]]K=.

5H|1|-

13.1|13.2||[[[strikethrough]]?|[[[strikethrough]]]

|[[[strikethrough]]3|[[[strikethrough]]5|[[[strikethrough]]N|[[[strikethrough]]K=

H|1|-

13.0|15.5|[[[strikethrough]]I|[[[strikethrough]]II^a II^a|336|[[[strikethrough]]2

2|[[[strikethrough]]2 2|[[[strikethrough]]N|[[[strikethrough]]K=H K=H|1

1|[[[strikethrough]]-|[[[strikethrough]]seen seen

15.5|16.6|[[[strikethrough]]I|[[[strikethrough]]II^a|337|[[[strikethrough]]5|[[[strikethrough]]2|K=H|1|[[[strikethrough]]-|[[[strikethrough]]seen

11.2|5.6||[[[strikethrough]]3|[[[strikethrough]]6|N|2|-

11.0|6.2||[[[strikethrough]]5|[[[strikethrough]]6|N|2|-

10.4|8.0||[[[strikethrough]]4|[[[strikethrough]]5|N|1|-

11.0|8.1||[[[strikethrough]]5|[[[strikethrough]]6|N|2|-

11.3|9.5|[[[strikethrough]]I|[[[strikethrough]]II?|

|[[[strikethrough]]3|[[[strikethrough]]2|[[[strikethrough]]N|[[[strikethrough]]K=

H?|1|-

11.5|9.8|[[[strikethrough]]I|[[[strikethrough]]II^a|338|[[[strikethrough]]6|[[[strikethrough]]3|K=H?|3|F seen

11.7|12.1||[[[strikethrough]]6|K=.8H|2|-

12.1|12.8||[[[strikethrough]]3|[[[strikethrough]]4|N|1|-

12.0|13.9||

|[[[strikethrough]]7|[[[strikethrough]]8|[[[strikethrough]]K=.5H|[[[strikethrough]]K=.4H|3|-

11.5|14.0||I?|[[[strikethrough]]4|[[[strikethrough]]5 5|N N|1 1|- -

11.6|14.5|[[[strikethrough]]I|[[[strikethrough]]II^a.

IIa?|339|[[[strikethrough]]4|[[[strikethrough]]2|K=H

|[[[strikethrough]]?|[[[strikethrough]]K=H|1 1|-seen

II? 6.4.

6.7|11.6|15.5|III^b.c.|340|[[[strikethrough]]6|[[[strikethrough]]2|[[[strikethrough]]N|[[[strikethrough]]K=H|2|Bright seen

12.1|14.7||[[[strikethrough]]3|[[[strikethrough]]4|N|1|-

12.0|17.4||[[[strikethrough]]4|[[[strikethrough]]4|N|2|-

12.0|23.4||[[[strikethrough]]^a|[[[strikethrough]]341|3|K=H|2F|-

11.5|19.2|[[[strikethrough]]I|[[[strikethrough]]II^a|342|[[[strikethrough]]4|[[[strikethrough]]3|K=H|1F|-

10.5|10.5||[[[strikethrough]]4 5|N? K=H|1 1|- -

10.0|10.3||[[[strikethrough]]3|[[[strikethrough]]4 H|N K=H|1 1|- -

10.0|12.5||

|[[[strikethrough]]6|[[[strikethrough]]7|[[[strikethrough]]N|[[[strikethrough]]K=.

2H|2|-

9.7|12.9||[[[strikethrough]]8|K=.2H|3|-

10.3|13.7||

|[[[strikethrough]]1|[[[strikethrough]]7|[[[strikethrough]]K=H|[[[strikethrough]]

K=.8H|1|-

9.6|17.0|III^b.c.|244|[[[strikethrough]]5|[[[strikethrough]]3|[[[strikethrough]]K

=H|[[[strikethrough]]K=1.2H|3|F-

9.4|17.2||

|[[[strikethrough]]6|[[[strikethrough]]7|[[[strikethrough]]K|[[[strikethrough]]

K=.2H|1|-

Mean 8

[[9 columned table]]
 | No. | R.A. | DEC. | MAG. | | Br. | | |
 |-----|-----|-----|-----| |-----| |-----| |
 23 36 +80.5 780 23 37.1 \square +80 $^\circ$ \square 30 7.8 | 6.5 | 2.0 8.5 7.1 • 5.7 |
 23 40 +80.5 784 23 40.6 \square +80 $^\circ$ \square 34 8.0 | 6.8 | 2.0 8.8 7.4 • 6.0 |
 23 18 +60.8 2535 23 18.3 \square +60 $^\circ$ \square 50 | neb | 7.0 7.0 | 8.7 8.6 6.4 • 6.2 |
 23 14 +59.5 2701 23 14.0 \square +59 $^\circ$ \square 29 6.7 | 6.9 | 7.7 6.6 2.1 • 6.1 |
 0 17 +70.9 16 0 17.5 | +71 0 6.6 | • 6.6 | 1.2 |
 7.8 6.4 | 5.8 |
 23 56 +61.5 2586 | 23 56.8 \square +61 $^\circ$ \square 29 | 5.6 |
6.5 | 8.7 | 5.9 | •
5.7 |
 0 53 +81.2 30 0 52.5 \square +81 $^\circ$ \square 11 8.3 | 6.9 | 2.0 8.9 7.5 • 6.1 |
 0 50 +81.1 25 0 49.6 \square +81 $^\circ$ \square 6 7.5 | 5.8 | 2.0 7.8 6.4 • 5.0 |
 23 54 +71.5 1246 23 54.3 \square +71 $^\circ$ \square 26 6.9 | 7.2 | 1.2 8.4 7.0 • 6.4 |
 23 41 +61.4 2533 23 41.8 \square +61 $^\circ$ \square 24 5.9 | 6.2 | 8.7 0.5 6.1 • 5.4 |
 23 32 +61.3 2490 23 32.0 \square +61 $^\circ$ \square 20 6.5 | 6.7 | 8.7 5.6 1.1 • 5.9 |
 23 45 +81.0 838 23 45.4 \square +81 $^\circ$ \square 2 8.0 | 6.9 | 2.0 8.9 7.5 • 6.1 |
 23 26 +71.2 1208 23 26.4 \square +71 $^\circ$ \square 12 6.8 | 6.4 | 1.2 7.6 6.2 • 5.6 |
 23 24 +61.5 2462 23 24.2 \square +61 $^\circ$ \square 30 8.2 | 6.8 6.9 | 8.7 7.6 3.1 • 6.1 |
 23 23 +71.5 1203 23 22.8 \square +71 $^\circ$ \square 26 8.0 | 7.1 6.9 | 1.2 8.1 6.7 • 6.1 |
 23 18 +61.5 2444 | 23 18.4 \square +61 $^\circ$ \square 29 5.3 | 6.8 6.5 | 8 }
 7.6 7.3 | 6.2 5.9 | • 6.0 5.7 |
 23 21 +61.1 2454 23 21.6 \square +61 $^\circ$ \square 7 7.9 | 7.0 | 8.7 8.6 6.4 • 6.2 |
 23 10 +61.2 2413 23 10.3 \square +61 $^\circ$ \square 10 6.5 | 6.5 | 8.7 3.5 5.9 • 5.7 |
 22 46 +60.9 2450 | 22 45.7 \square +60 $^\circ$ \square 56 | 6.0 |
6.4 | 5.8 |
5.6 |
 22 24 +81.2 775 22 24.1 \square +81 $^\circ$ \square 42 7.0 | 6.5 | 2.0 8.5 7.1 • 5.7 |
 0 28 +81.7 13 0 29.0 \square +81 $^\circ$ \square 42 6.5 | 5.9 | 2.0 7.9 6.5 • 5.1 |
 23 39 +61.9 2519 23 39.0 \square +61 $^\circ$ \square 52 7.7 | 6.7 6.8 | 8.7 6.6 2.1 • 6.0 |
 23 50 +72.1 1127 | 23 50.2 \square +72 $^\circ$ \square 3 7.8 | 7.1 6.9 |
~~3~~ | ~~1.3~~ 8.2 6.8 • 6.1 |
 23 56 +82.2 748 | 23 55.4 \square +82 $^\circ$ \square 10 7.0 | 6.0 | 2.2 8.2 6.8 • 5.2 |
 23 50 +82.4 743 | 23 49.7 \square +82 $^\circ$ \square 23 6.0 | 5.5 | 2.2 7.7 6.3 • 4.7 |
 23 28 +72.1 1109 | 23 28.0 \square +72 $^\circ$ \square 8 7.5 | 6.8 | 1.3 8.1 6.7 • 6.0 |
 22 47 +82.4 703 | 22 47.9 \square +82 $^\circ$ \square 23 5.0 | 5.8 5.5 | 2.2 }
 8.0 7.7 | 6.6 6.3 | • 5.0 4.7 |
 22 43 +82.5 700 | 22 44.1 \square +82 $^\circ$ \square 30 8.0 | 6.5 | 2.2 |
 8.7 7.3 5.7 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

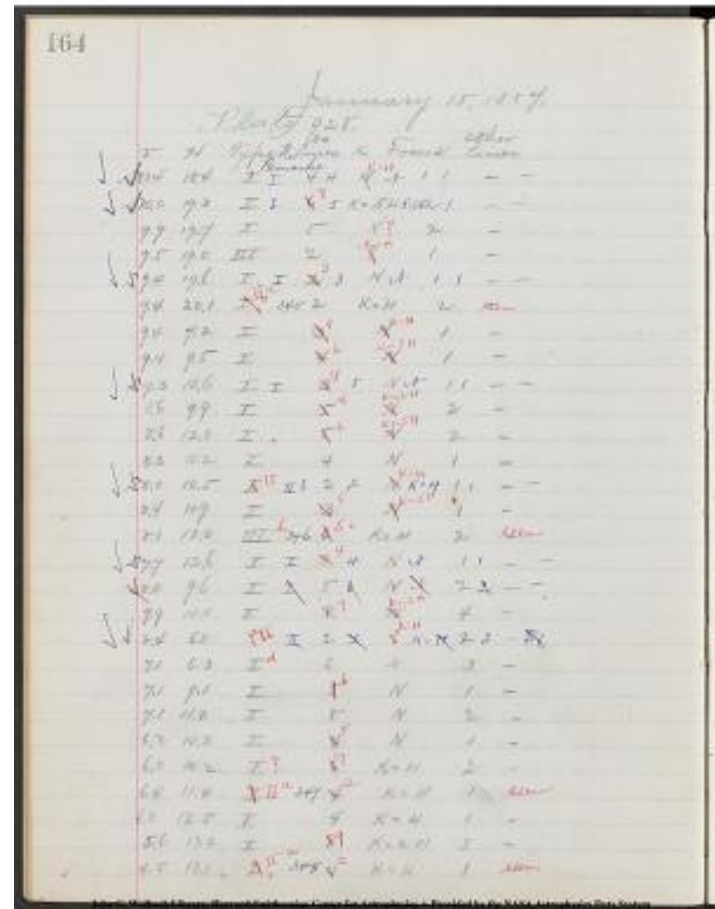
164

January 15, 1887.

Plate 928.

[8 column table]
[V]H|Type|No. Remarks|No. Lines|K|Focus|Other Lines|
|---|---|---|---|---|---|---|
10.4|18.4|I|I|4|4|[[[strikethrough]]N|[[[strikethrough]]K=H N|1|1|-|-|
10.0|19.3|I|I|[[[strikethrough]]6|[[[strikethrough]]7|5|K=.5H|2|1|-|-|
9.9|19.4|I|I|5|N?|2|-|
9.5|19.0|I|I|I|2|[[[strikethrough]]?|[[[strikethrough]]K=H|1|-|
9.4|19.6|I|I|I|[[[strikethrough]]2|[[[strikethrough]]3|N N|1|1|-|-|
9.4|20.1|[[[strikethrough]]I|?|[[[strikethrough]]I|a|345:|2|K=H|2|seen|
9.4|4.2|I|I|[[[strikethrough]]3|[[[strikethrough]]4|[[[strikethrough]] N
[[[strikethrough]] K=H|1|-|
9.4|9.5|I|I|[[[strikethrough]]4|[[[strikethrough]]6|
[[[strikethrough]]N|[[[strikethrough]]K=.3H|1|-|
9.3|10.6|I|I|[[[strikethrough]]3|[[[strikethrough]]4|5|N N|1|1|-|-|
8.6|9.9|I|I|
[[[strikethrough]]5|[[[strikethrough]]8|[[[strikethrough]]N|[[[strikethrough]]K=.
2H|2|-|
8.6|12.0|I|I|[[[strikethrough]]5|[[[strikethrough]]6|
[[[strikethrough]]N|[[[strikethrough]]K=.5H|2|-|
8.3|10.2|I|I|4|N|1|-|
8.0|10.5|[[[strikethrough]]I|[[[strikethrough]]I|I|?|2|2|
[[[strikethrough]]N|[[[strikethrough]]K=H K=H|1|1|-|-|
8.4|10.9|I|I|[[[strikethrough]]3|[[[strikethrough]]5|[[[strikethrough]] N
[[[strikethrough]]K=.5H|1|-|
8.1|13.0|I|I|I|346|[[[strikethrough]]6|3|[[[strikethrough]]2|K=H|2|seen|
7.7|12.6|I|I|I|[[[strikethrough]]3|[[[strikethrough]]4|N N|1|1|-|-|
[[[strikethrough]]|[[[strikethrough]]8.0|9.6|I|I|[[[strikethrough]]|[[[strikethrough]]
5|[[[strikethrough]]6|[[[strikethrough]]N|[[[strikethrough]]N|[[[strikethrough]]
2|[[[strikethrough]]2|[[[strikethrough]]-|-|
7.9|10.0|I|I|[[[strikethrough]]8|[[[strikethrough]]9|[[[strikethrough]]N|[[[strikethrough]]K=.
2H|4|-|
8.4|6.8|[[[strikethrough]]?|[[[strikethrough]]I|[[[strikethrough]]I|[[[strikethrough]]
2|[[[strikethrough]]2|[[[strikethrough]]|[[[strikethrough]]?|[[[strikethrough]]
K=H K=|[[[strikethrough]]H|[[[strikethrough]]2|2|-|
[[[strikethrough]]F?|[[[strikethrough]]
7.0|6.3|I|I|I|6|N|3|-|
7.1|9.1|I|I|[[[strikethrough]]5|[[[strikethrough]]6|N|1|-|
7.1|11.0|I|I|8|N|2|-|
6.2|10.3|I|I|[[[strikethrough]]4|[[[strikethrough]]5|N|1|-|
6.0|10.2|I|I|?|[[[strikethrough]]6|[[[strikethrough]]7|K=H|2|-|
6.4|11.4|[[[strikethrough]]I|I|[[[strikethrough]]I|a
347|[[[strikethrough]]4|[[[strikethrough]]2|K=H|1|seen|
6.0|12.5|I|I|4|K=H|1|-|
5.6|13.2|I|I|[[[strikethrough]]8|[[[strikethrough]]9|K=.2H|3|-|
4.5|13.1|[[[strikethrough]]I|I|[[[strikethrough]]I|a
348|[[[strikethrough]]4|[[[strikethrough]]2|K=H|1|seen.]

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



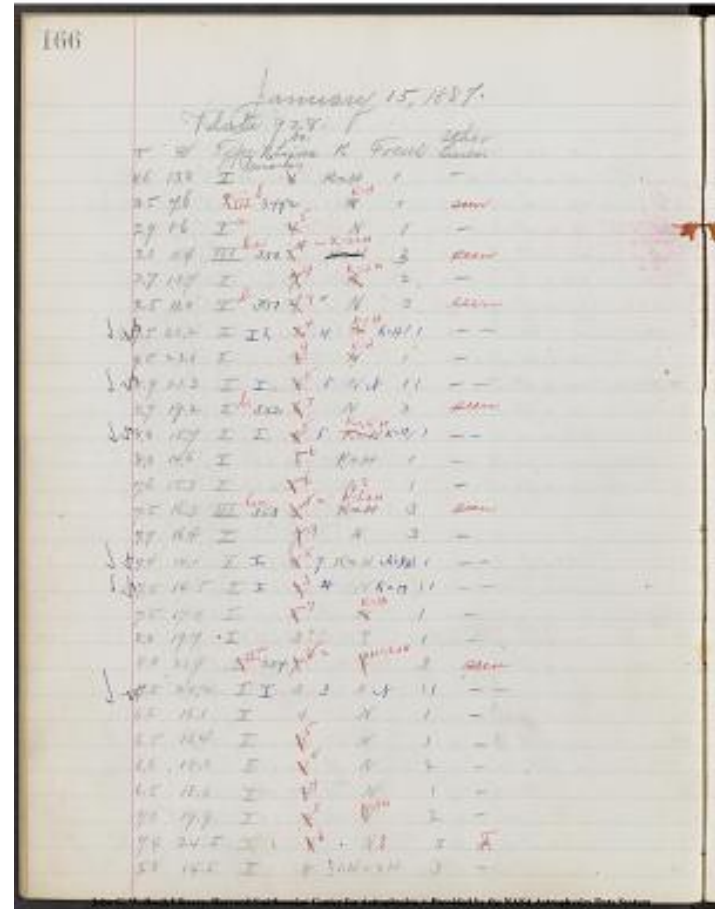
Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

| No | | K.A. Dec. 1966 | | Rs. | |
|----|----|----------------|----|-----|------|
| 11 | 17 | 1966 | 11 | 17 | 1966 |
| 12 | 18 | 1966 | 12 | 18 | 1966 |
| 13 | 19 | 1966 | 13 | 19 | 1966 |
| 14 | 20 | 1966 | 14 | 20 | 1966 |
| 15 | 21 | 1966 | 15 | 21 | 1966 |
| 16 | 22 | 1966 | 16 | 22 | 1966 |
| 17 | 23 | 1966 | 17 | 23 | 1966 |
| 18 | 24 | 1966 | 18 | 24 | 1966 |
| 19 | 25 | 1966 | 19 | 25 | 1966 |
| 20 | 26 | 1966 | 20 | 26 | 1966 |
| 21 | 27 | 1966 | 21 | 27 | 1966 |
| 22 | 28 | 1966 | 22 | 28 | 1966 |
| 23 | 29 | 1966 | 23 | 29 | 1966 |
| 24 | 30 | 1966 | 24 | 30 | 1966 |
| 25 | 31 | 1966 | 25 | 31 | 1966 |
| 26 | 32 | 1966 | 26 | 32 | 1966 |
| 27 | 33 | 1966 | 27 | 33 | 1966 |
| 28 | 34 | 1966 | 28 | 34 | 1966 |
| 29 | 35 | 1966 | 29 | 35 | 1966 |
| 30 | 36 | 1966 | 30 | 36 | 1966 |
| 31 | 37 | 1966 | 31 | 37 | 1966 |
| 32 | 38 | 1966 | 32 | 38 | 1966 |
| 33 | 39 | 1966 | 33 | 39 | 1966 |
| 34 | 40 | 1966 | 34 | 40 | 1966 |
| 35 | 41 | 1966 | 35 | 41 | 1966 |
| 36 | 42 | 1966 | 36 | 42 | 1966 |
| 37 | 43 | 1966 | 37 | 43 | 1966 |
| 38 | 44 | 1966 | 38 | 44 | 1966 |
| 39 | 45 | 1966 | 39 | 45 | 1966 |
| 40 | 46 | 1966 | 40 | 46 | 1966 |
| 41 | 47 | 1966 | 41 | 47 | 1966 |
| 42 | 48 | 1966 | 42 | 48 | 1966 |
| 43 | 49 | 1966 | 43 | 49 | 1966 |
| 44 | 50 | 1966 | 44 | 50 | 1966 |
| 45 | 51 | 1966 | 45 | 51 | 1966 |
| 46 | 52 | 1966 | 46 | 52 | 1966 |
| 47 | 53 | 1966 | 47 | 53 | 1966 |
| 48 | 54 | 1966 | 48 | 54 | 1966 |
| 49 | 55 | 1966 | 49 | 55 | 1966 |
| 50 | 56 | 1966 | 50 | 56 | 1966 |
| 51 | 57 | 1966 | 51 | 57 | 1966 |
| 52 | 58 | 1966 | 52 | 58 | 1966 |
| 53 | 59 | 1966 | 53 | 59 | 1966 |
| 54 | 60 | 1966 | 54 | 60 | 1966 |
| 55 | 61 | 1966 | 55 | 61 | 1966 |
| 56 | 62 | 1966 | 56 | 62 | 1966 |
| 57 | 63 | 1966 | 57 | 63 | 1966 |
| 58 | 64 | 1966 | 58 | 64 | 1966 |
| 59 | 65 | 1966 | 59 | 65 | 1966 |
| 60 | 66 | 1966 | 60 | 66 | 1966 |
| 61 | 67 | 1966 | 61 | 67 | 1966 |
| 62 | 68 | 1966 | 62 | 68 | 1966 |
| 63 | 69 | 1966 | 63 | 69 | 1966 |
| 64 | 70 | 1966 | 64 | 70 | 1966 |
| 65 | 71 | 1966 | 65 | 71 | 1966 |
| 66 | 72 | 1966 | 66 | 72 | 1966 |
| 67 | 73 | 1966 | 67 | 73 | 1966 |
| 68 | 74 | 1966 | 68 | 74 | 1966 |
| 69 | 75 | 1966 | 69 | 75 | 1966 |
| 70 | 76 | 1966 | 70 | 76 | 1966 |
| 71 | 77 | 1966 | 71 | 77 | 1966 |
| 72 | 78 | 1966 | 72 | 78 | 1966 |
| 73 | 79 | 1966 | 73 | 79 | 1966 |
| 74 | 80 | 1966 | 74 | 80 | 1966 |
| 75 | 81 | 1966 | 75 | 81 | 1966 |
| 76 | 82 | 1966 | 76 | 82 | 1966 |
| 77 | 83 | 1966 | 77 | 83 | 1966 |
| 78 | 84 | 1966 | 78 | 84 | 1966 |
| 79 | 85 | 1966 | 79 | 85 | 1966 |
| 80 | 86 | 1966 | 80 | 86 | 1966 |
| 81 | 87 | 1966 | 81 | 87 | 1966 |
| 82 | 88 | 1966 | 82 | 88 | 1966 |
| 83 | 89 | 1966 | 83 | 89 | 1966 |
| 84 | 90 | 1966 | 84 | 90 | 1966 |
| 85 | 91 | 1966 | 85 | 91 | 1966 |
| 86 | 92 | 1966 | 86 | 92 | 1966 |
| 87 | 93 | 1966 | | | |

January 15, 1887.

Plate 928.

|V|H|Type|No. Remarks|No Lines|K|Focus|Other Lines|
 4.6|13.8|I|~~[[[strikethrough]]4[[[strikethrough]] 7|K=H|1|-|~~
 3.5|7.6|~~[[[strikethrough]]?[[[strikethrough]] IIb|349|2|~~
~~[[[strikethrough]]N[[[strikethrough]] K=H|1|seen|~~
 2.9|8.6|Ia|~~[[[strikethrough]]4[[[strikethrough]] 5|N|1|-|~~
 3.0|11.4|IIb.c.|350|
~~[[[strikethrough]]5[[[strikethrough]][[[strikethrough]]4[[[strikethrough]] 2|~~
~~[[[strikethrough]]K=H[[[strikethrough]] K=1.2H|3|seen|~~
 2.7|13.7|I|~~[[[strikethrough]]7[[[strikethrough]] 9|~~
~~[[[strikethrough]]N[[[strikethrough]] K=.2H|2|-|~~
 2.5|11.0|Ib|341|~~[[[strikethrough]]4[[[strikethrough]] 7|N|3|seen|~~
 9.5|22.2|I|?|~~[[[strikethrough]]2[[[strikethrough]] 4 4|~~
~~[[[strikethrough]]N[[[strikethrough]] K=H K=H|1 1|- -|~~
 9.5|23.0|I|~~[[[strikethrough]]2[[[strikethrough]] 4|~~
~~[[[strikethrough]]N[[[strikethrough]] K=H|1|-|~~
 8.9|21.3|I|~~[[[strikethrough]]4[[[strikethrough]] 5 5|N N|1 1|- -|~~
 8.7|19.2|Ib|352|~~[[[strikethrough]]6[[[strikethrough]] 7|N|3|seen|~~
 8.2|15.7|I|~~[[[strikethrough]]4[[[strikethrough]] 5 5|~~
~~[[[strikethrough]]K=H[[[strikethrough]] K=.8H K=H|1 1|- -|~~
 8.0|14.6|I|~~[[[strikethrough]]5[[[strikethrough]] 6|K=H|1|-|~~
 7.6|15.3|I|~~[[[strikethrough]]5[[[strikethrough]] 6|N?|1|-|~~
 7.5|16.3|IIb.c.|353|
~~[[[strikethrough]]4[[[strikethrough]][[[strikethrough]]3[[[strikethrough]] 2|~~
~~[[[strikethrough]]K=H[[[strikethrough]] K=1.2H|3|seen|~~
 7.7|16.4|I|~~[[[strikethrough]]7[[[strikethrough]] 9|N|3|-|~~
 7.4|14.1|I|~~[[[strikethrough]]4[[[strikethrough]] 5 7|K=H K=.8H|1 1|- -|~~
 7.5|14.5|I|~~[[[strikethrough]]2[[[strikethrough]] 3 4|N K=H|1 1|- -|~~
 7.5|17.4|I|~~[[[strikethrough]]5[[[strikethrough]] 7|~~
~~[[[strikethrough]]N[[[strikethrough]] K=H|1|-|~~
 8.0|19.4|I|3?|?|1|-|
 8.0|21.9|~~[[[strikethrough]]I[[[strikethrough]]IIa|354|~~
~~[[[strikethrough]]?[[[strikethrough]] K=2.0H|3|seen|~~
 7.8|23.2|I|3 3|N N|1 1|- -|
 6.6|16.1|I|4|N|1|-|
 6.5|16.4|I|~~[[[strikethrough]]3[[[strikethrough]] 5|N|1|-|~~
 6.6|18.0|I|~~[[[strikethrough]]4[[[strikethrough]] 5|N|2|-|~~
 6.5|18.0|I|~~[[[strikethrough]]4[[[strikethrough]] 7|N|1|-|~~
 7.0|19.9|I|~~[[[strikethrough]]4[[[strikethrough]] 5|~~
~~[[[strikethrough]]N[[[strikethrough]] K=.5H|2|-|~~
 7.4|24.5|I|~~[[[strikethrough]]4[[[strikethrough]] 6|N?|3|F|~~
 5.8|14.5|I|8?|K=.2H|3|-|



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 8

| [No.] [R.A.] [Dec.] [MAG.] [Br.]
 23 26 +64.9|1819|23|25.7^+64^|56|6.2|-|6.6 .9 7.5 6.1 [[symbol - dot]]
 5.8 [[symbol-check]]
 23 55 +65.3|1987|23|55.2^+65^|17|6.3|-|6.7 6.9} .9} 7.6 7.8 6.2 6.4}
 [[symbol-dot]] 5.9 6.1} [[symbol-check]]
 |[[[strikethrough]]]1[[?]] 52
 +85.0|41|1|50.8|185|2|7.7|[[/strikethrough]]|. |[[underline]]6.6[[/underline]]
 2.7 9.3 [[underline]]7.9[[/underline]] [[symbol-dot]]
 [[underline]]5.8[[/underline]] [[symbol-check]]
 0[[?]] 11 +75.5|7 0 [[strikethrough]]11.9[[strikethrough]] 10.7 +75 28 7.4
 [[?]] | |
 [[strikethrough]]0 5.0 +85.5|19|0|49.7|185|29|5.0|[[/strikethrough]]-
 [[underline]]5.5 5.9[[/underline]]} 2.8} 8.3 8.7} [[underline]]6.9
 7.3[[/underline]]} [[symbol-dot]] [[underline]]4.7 5.1} [[symbol-check]]
 23 [[strikethrough]]55[[/strikethrough]]53 +85.9|409 23 52.8^ +85 54
 8.0|-|[[underline]]6.4[[/underline]]} 2.9 9.3 [[strikethrough]]7.9[[/strikethrough]]
 [[symbol-dot]] [[underline]]5.6[[/underline]] [[symbol-check]]
 23 40 +65.9|1943|23|39.4^+65^|58|6.3|4199 6.0 [[strikethrough]]13-
 1|[[underline]]6.3[[/underline]]|[[/strikethrough]] 1.0 7.3
 [[strikethrough]]|[[underline]]5.9[[/underline]]|[[/strikethrough]] [[symbol-
 dot]]
 [[symbol-check]]
 22 32 +72.1|1050|22|32.4^+72^|8|7.0|-|7.0 6.9 1.3 8.2 6.8 [[symbol-
 dot]] 6.1 [[symbol-check]]
 21 24 +81.4|736|21|24.7^+81|24|7.9|-|[[underline]]7.0[[/underline]]} 2.1
 9.1 7.7 [[symbol-dot]] [[underline]]6.2[[/underline]] [[symbol-check]]
 22 37 +72.5|[[?]]|1055|22|37.6^+72^|30|7.3|.6.8 6.8 1.3 8.1 6.7
 [[symbol-dot]] 6.0 [[symbol-check]]
 23 2 +62.8|2171|23|1.9^+62|51|6.2|.6.2 .9 7.1 5.7 [[symbol-dot]]
 5.4[[symbol-check]]
 23 14 +73.1|1027|23|14.3^+73|8|7.8|-|6.8 6.9 1.3 8.2 6.8 [[symbol-dot]]
 6.1 [[symbol-check]]
 23 22 +73.3|1035|23|22.0^+73^|19|7.5|-|6.7 1.4 8.1 6.7 [[symbol-dot]]
 5.9 [[symbol-check]]
 23 13 +83.5|647|23|12.7^+83|27|8.0| .6.4 2.4 8.8 7.4 [[symbol-dot]]
 5.6 [[symbol-check]]
 22 55 +83.5|640|22|55.4^+83^|34|5.0|-|5.3 5.7} 2.4} 7.7 8.1} 6.3 6.7}
 [[symbol-dot]] 4.5 4.9} [[symbol-check]]
 23 9 +73.4|1023|23|9.5^+73^|27|6.2|4112 5.6 15+1|5.7 1.4 7.1 5.7
 [[symbol-dot]] 4.9 [[symbol-check]]
 23 24 +63.6|2004|23|24.1^+63^|36|6.9|-|6.8 6.9 .9 7.8 6.4 [[symbol-
 dot]] 6.1 [[symbol-check]]
 23 2[[[strikethrough]]]2[[/strikethrough]]3[[?]]
 +73.5|1037|23|23.0^+73|30|8.0|.7.1 7.2 1.4 8.6 7.2 [[symbol-dot]] 6.4
 [[symbol-check]]
 23 9
 +63.5|[[[strikethrough]]]1967|[[/strikethrough]]1955|[[[strikethrough]]]23|[[/stri-
 kethrough]]23|[[[strikethrough]]]11.9|[[/strikethrough]]9.4^|[[[strikethrough]]]+
 63|[[[strikethrough]]]+63^|[[[strikethrough]]]20|[[/strikethrough]]29|[[[strikethro-
 ugh]]8.2|[[/strikethrough]]7.0|[[/strikethrough]]|-|6.6 .9 7.5 6.1 [[symbol-
 dot]] 5.8 [[symbol-check]] sm[[?]] 1955+63[[symbol-degree]]|[[?]]
 22 2 +82.8|672|22|3.2^+82^|48|8.2| .6.5 2.3 8.8 7.4 [[symbol-dot]] 5.7
 [[symbol-check]]
 22 32 +72.9|1049|22|32.2^+72^|54|5.5|-|5.5 1.3 6.8 5.4 [[symbol-dot]]
 4.7 [[symbol-check]]
 22 22 +72.9|1036|22|22.4^+72^|53|8.0|.7.1

| No. | R.A. | Dec. | MAG. | Br. |
|-------|-----------|---|--|---|
| 23 26 | +64.9 | 1819 | 23 25.7^+64^ 56 6.2 - 6.6 .9 7.5 6.1 | [[symbol - dot]] 5.8 |
| 23 55 | +65.3 | 1987 | 23 55.2^+65^ 17 6.3 - 6.7 6.9} .9} 7.6 7.8 6.2 6.4} | [[symbol-dot]] 5.9 6.1} [[symbol-check]] |
| | | | [[[strikethrough]]]1[[?]] 52 | |
| | +85.0 | 41 1 50.8 185 2 7.7 | [[/strikethrough]] . [[underline]]6.6[[/underline]] | |
| | | | 2.7 9.3 | [[underline]]7.9[[/underline]] [[symbol-dot]] |
| | | | [[underline]]5.8[[/underline]] | [[symbol-check]] |
| | 0[[?]] 11 | +75.5 7 0 | [[strikethrough]]11.9[[strikethrough]] 10.7 +75 28 7.4 | [[?]] |
| | | | [[strikethrough]]0 5.0 +85.5 19 0 49.7 185 29 5.0 | [[/strikethrough]]- |
| | | | [[underline]]5.5 5.9[[/underline]]} 2.8} 8.3 8.7} | [[underline]]6.9 |
| | | | 7.3[[/underline]]} [[symbol-dot]] [[underline]]4.7 5.1} | [[symbol-check]] |
| | 23 | [[strikethrough]]55[[/strikethrough]]53 +85.9 409 23 52.8^ +85 54 | | |
| | | | 8.0 - [[underline]]6.4[[/underline]]} 2.9 9.3 | [[strikethrough]]7.9[[/strikethrough]] |
| | | | [[symbol-dot]] [[underline]]5.6[[/underline]] | [[symbol-check]] |
| | 23 40 | +65.9 1943 23 39.4^+65^ 58 6.3 4199 6.0 | [[strikethrough]]13- | |
| | | | 1 [[underline]]6.3[[/underline]] | [[/strikethrough]] 1.0 7.3 |
| | | | [[strikethrough]] [[underline]]5.9[[/underline]] | [[/strikethrough]] [[symbol-dot]] |
| | | | [[symbol-check]] | |
| | 22 32 | +72.1 1050 22 32.4^+72^ 8 7.0 - 7.0 6.9 1.3 8.2 6.8 | [[symbol-dot]] 6.1 | [[symbol-check]] |
| | 21 24 | +81.4 736 21 24.7^+81 24 7.9 - | [[underline]]7.0[[/underline]]} 2.1 | |
| | | | 9.1 7.7 | [[symbol-dot]] [[underline]]6.2[[/underline]] |
| | | | [[symbol-check]] | |
| | 22 37 | +72.5 [[?]] 1055 22 37.6^+72^ 30 7.3 .6.8 6.8 1.3 8.1 6.7 | | |
| | | | [[symbol-dot]] 6.0 | [[symbol-check]] |
| | 23 2 | +62.8 2171 23 1.9^+62 51 6.2 .6.2 .9 7.1 5.7 | [[symbol-dot]] | |
| | | | 5.4 | [[symbol-check]] |
| | 23 14 | +73.1 1027 23 14.3^+73 8 7.8 - 6.8 6.9 1.3 8.2 6.8 | [[symbol-dot]] | |
| | | | 6.1 | [[symbol-check]] |
| | 23 22 | +73.3 1035 23 22.0^+73^ 19 7.5 - 6.7 1.4 8.1 6.7 | [[symbol-dot]] | |
| | | | 5.9 | [[symbol-check]] |
| | 23 13 | +83.5 647 23 12.7^+83 27 8.0 .6.4 2.4 8.8 7.4 | [[symbol-dot]] | |
| | | | 5.6 | [[symbol-check]] |
| | 22 55 | +83.5 640 22 55.4^+83^ 34 5.0 - 5.3 5.7} 2.4} 7.7 8.1} 6.3 6.7} | | |
| | | | [[symbol-dot]] 4.5 4.9} | [[symbol-check]] |
| | 23 9 | +73.4 1023 23 9.5^+73^ 27 6.2 4112 5.6 15+1 5.7 1.4 7.1 5.7 | | |
| | | | [[symbol-dot]] 4.9 | [[symbol-check]] |
| | 23 24 | +63.6 2004 23 24.1^+63^ 36 6.9 - 6.8 6.9 .9 7.8 6.4 | [[symbol-dot]] 6.1 | [[symbol-check]] |
| | | | 23 2[[[strikethrough]]]2[[/strikethrough]]3[[?]] | |
| | | | +73.5 1037 23 23.0^+73 30 8.0 .7.1 7.2 1.4 8.6 7.2 | [[symbol-dot]] 6.4 |
| | | | [[symbol-check]] | |
| | | | 23 9 | |
| | | | +63.5 [[[strikethrough]]]1967 [[/strikethrough]]1955 [[[strikethrough]]]23 [[/stri-
kethrough]]23 [[[strikethrough]]]11.9 [[/strikethrough]]9.4^ [[[strikethrough]]]+
63 [[[strikethrough]]]+63^ [[[strikethrough]]]20 [[/strikethrough]]29 [[[strikethro-
ugh]]8.2 [[/strikethrough]]7.0 [[/strikethrough]] - 6.6 .9 7.5 6.1 | [[symbol-dot]] 5.8 |
| | | | sm[[?]] 1955+63 | [[symbol-degree]] [[?]] |
| | | | 22 2 +82.8 672 22 3.2^+82^ 48 8.2 .6.5 2.3 8.8 7.4 | [[symbol-dot]] 5.7 |
| | | | [[symbol-check]] | |
| | | | 22 32 +72.9 1049 22 32.2^+72^ 54 5.5 - 5.5 1.3 6.8 5.4 | [[symbol-dot]] |
| | | | 4.7 | [[symbol-check]] |
| | | | 22 22 +72.9 1036 22 22.4^+72^ 53 8.0 .7.1 | |

$\frac{1}{7.1} \cdot 1.3 \cdot 8.4 \cdot 7.0 \cdot 6.3$
 $\frac{23 \cdot 15 + 63.9 \cdot 1974 \cdot 23 \cdot 15.0^{\wedge} + 63 \cdot 57 \cdot 7.0 \cdot .9 \cdot 6.9 \cdot 9 \cdot 7.8 \cdot 6.4}{6.1}$
 $\frac{22 \cdot 51 + 84.0 \cdot 513 \cdot 22 \cdot 50.7^{\wedge} + 84^{\wedge} 0 \cdot 7.3 \cdot .7 \cdot 7.0 \cdot 2.5 \cdot 9.5 \cdot 8.1}{6.2}$
 $\frac{23 \cdot 6 + 63.9 \cdot 1949 \cdot 23 \cdot 6.1^{\wedge} + 63^{\wedge} 56 \cdot 7.0 \cdot .9 \cdot 6.9 \cdot 5.5}{5.2}$
 $\frac{22 \cdot 22 + 83.7 \cdot 630 \cdot 22 \cdot 22.5^{\wedge} + 83^{\wedge} 46 \cdot 7.0 \cdot .9 \cdot 6.8 \cdot 2.4 \cdot 9.2 \cdot 7.8}{6.0}$
 $\frac{21 \cdot 52 + 83.3 \cdot 618 \cdot 21 \cdot 52.7^{\wedge} + 83 \cdot 22 \cdot 7.2 \cdot .9 \cdot 5.9 \cdot 2.3 \cdot 8.2 \cdot 6.8}{5.1}$
 $\frac{20 \cdot 52 + 81.9 \cdot 718 \cdot 20 \cdot 52.8^{\wedge} + 81^{\wedge} 59 \cdot 6.0}{5.5}$
 $\frac{2.1 \cdot 7.6 \cdot 6.2}{4.7}$
 $\frac{23 \cdot 23 + 74.5 \cdot 1022 \cdot 23 \cdot 23.3^{\wedge} + 74^{\wedge} 26 \cdot 7.0 \cdot .9 \cdot 6.1 \cdot 1.4 \cdot 7.5 \cdot 6.1}{5.3}$

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

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

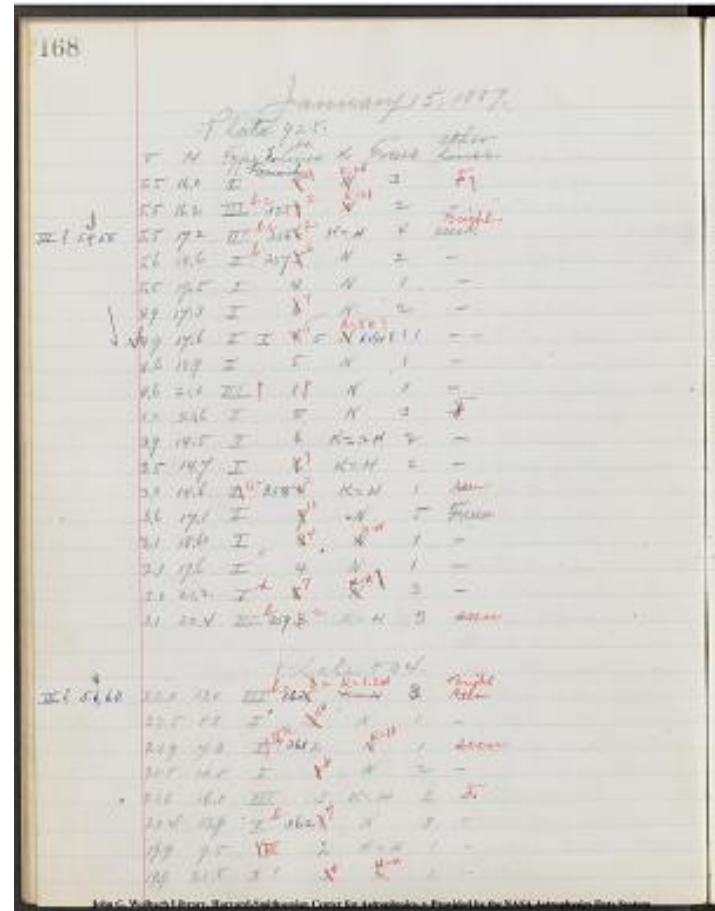
January 15, 1887.
Plate 928.

v|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines.

5.5|16.0||
|[[[strikethrough]]8|[[[strikethrough]]9|[[[strikethrough]]N|[[[strikethrough]]K=.
2H|3|[[[strikethrough]]-|[[[strikethrough]]F?
5.5|16.2|III^b.c|355|[[[strikethrough]]1|[[[strikethrough]]2|[[[strikethrough]]N|
|[[[strikethrough]]K=H|2|-
III? 5.4.
5.8|5.5|17.2|III^b.c|356|[[[strikethrough]]6|[[[strikethrough]]2|K=H|3|Bright.
seen.
5.6|18.6|I^b|357|[[[strikethrough]]5|[[[strikethrough]]6|N|2|-
5.5|19.5|| |4|N|1|-
4.9|17.3|| |[[[strikethrough]]6|[[[strikethrough]]7|N|2|-
4.9|17.6|I | |[[[strikethrough]]4|[[[strikethrough]]5
5|[[[strikethrough]]N|[[[strikethrough]]K=.5H? K=.5H|1 |1|-
4.6|18.9|| |5|N|1|-
4.6|21.0|III |[[[strikethrough]]?|[[[strikethrough]]
|1|[[[strikethrough]]?|[[[strikethrough]]N|1|-
5.2|23.6|| |5|N|3|[[[strikethrough]]-|[[[strikethrough]]F
3.9|14.5|| |6|K=.2H|2|-
3.5|14.7|| |[[[strikethrough]]6|[[[strikethrough]]7|K=H|2|-
3.0|14.6|[[[strikethrough]]|[[[strikethrough]]I^a|358|[[[strikethrough]]4|[[[strikethrough]]
ethrough]]2|K=H|1|[[[strikethrough]]-|[[[strikethrough]]seen
3.6|17.1|| |[[[strikethrough]]9|[[[strikethrough]]10|N|5|Fseen
3.1|18.6||
|[[[strikethrough]]3|[[[strikethrough]]4|[[[strikethrough]]N|[[[strikethrough]]K=
H|1|-
2.1|17.6|| |4|N|1|-
3.0|21.2|I^d|
|[[[strikethrough]]6|[[[strikethrough]]7|[[[strikethrough]]N|[[[strikethrough]]K=
H|[[[strikethrough]]?|[[[strikethrough]]3|-
3.1|22.4|III^B|359|[[[strikethrough]]3|[[[strikethrough]]2|K=H|3|[[[strikethrou
gh]]-|[[[strikethrough]]seen

Plate 834.

III? 5.6, 6.0|22.0|13.0|III^b.c|360|[[[strikethrough]]5
3|[[[strikethrough]]2|[[[strikethrough]]K=H|[[[strikethrough]]K=1.2H|3|[[[strikethrou
gh]]-|[[[strikethrough]]Bright seen
22.5|8.8|| |[[[strikethrough]]3|[[[strikethrough]]5|N|1|-
21.9|7.3|[[[strikethrough]]|[[[strikethrough]]I^a|361|2|[[[strikethrough]]N|[[[strikethrou
gh]]K=H|1|[[[strikethrough]]-|[[[strikethrough]]seen
21.5|10.5|| |[[[strikethrough]]5|[[[strikethrough]]6|N|2|-
21.0|16.1|III | |3|K=H|2|F.
20.4|13.9|I^b|362|[[[strikethrough]]6|[[[strikethrough]]7|N|3|-
19.9|9.5|[[[strikethrough]]?|[[[strikethrough]]III | |2|K=H|1|-
19.9|20.8|I?
|[[[strikethrough]]2|[[[strikethrough]]4|[[[strikethrough]]N|[[[strikethrough]]K=
H|1|-



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 15, 1887.

Plate 834.

v|H|Type|No. Remarks.|No. Lines|K|Focus|Other Lines.

18.9|7.6|I?|~~1~~|~~4~~|N|1|-

19.0|19.9|I|

|~~5~~|~~7~~|~~N~~|K=.

2H|2|-

19.0|20.2|I|~~5~~6|~~7~~|~~N~~|K=.2H|2|F

18.6|19.1|I|

|~~4~~|~~5~~|~~?~~|K=.

8H|1|-

18.5|19.9|I^b|363|~~4~~|~~6~~|N|3|-

17.6|10.6|I|

|~~3~~|~~5~~|~~N~~|K=.

8H|2|-

17.5|15.1|I|~~?~~|~~?~~||~~3~~|~~5~~|~~N~~|K=

H|1|-

17.6|19.7|I|~~?~~|~~?~~||2|~~N~~|K=H|1|-17.2|9.1|I|~~4~~|~~5~~|N|1|-

16.9|7.0|I?|2|N|1|-

16.5|9.2|I|4|N|1|-

16.8|14.4|I|

|~~6~~|~~8~~|K=H|~~?~~|

K=8H|2|F

16.5|23.7|I|

|~~4~~|~~5~~|~~?~~|K=

H|1|-

16.0|14.6|I|~~?~~|~~?~~|I^a|364|2|~~N~~|

|seen

16.2|15.9|I|4|N|1|-

15.9|16.4|I|~~4~~|~~5~~|K=H|~~5~~|~~H~~|1|-15.5|16.3|I|6|~~K=H~~|K=.8H|2|-

16.0|20.5|I|2|N|1|-

15.6|23.4|I|~~4~~|~~5~~|N|1|-14.4|6.2|I|~~?~~|~~?~~|I^a|365|~~4~~|~~?~~|

ethrough|2|K=H|1|seen

13.5|5.7|I|3|~~?~~|~~N~~|1|-

13.5|13.6|I|

|~~4~~|~~5~~|~~N~~|K=.

8H|1|-

12.1|5.9|I|3|N|1|-

12.2|7.7|I|~~?~~|~~?~~||~~2~~|~~4~~|~~N~~|K=

H|1|-

12.9|9.5|I|~~?~~|~~?~~||~~1~~|~~4~~|~~N~~|K=

H|1|-

13.0|15.1|I|~~?~~|~~?~~|I^b|366|~~1~~|~~?~~|trikethrough|2|~~N~~|K=H|1|seen13.6|17.1|I|~~?~~|~~?~~||~~1~~|~~2~~|N|1|-12.0|24.0|I|~~4~~|~~6~~|N?|2|F

170

January 15, 1887.

Plate 834.

v|H|Type|No. Remarks.|No. Lines|K|Focus|Other Lines.

18.9|7.6|I?|~~1~~|~~4~~|N|1|-

19.0|19.9|I|

|~~5~~|~~7~~|~~N~~|K=.

2H|2|-

19.0|20.2|I|~~5~~

6|~~7~~|~~N~~|K=.2H|2|F

18.6|19.1|I|

|~~4~~|~~5~~|~~?~~|K=.

8H|1|-

18.5|19.9|I^b|363|~~4~~|~~6~~|N|3|-

17.6|10.6|I|

|~~3~~|~~5~~|~~N~~|K=.

8H|2|-

17.5|15.1|I|~~?~~|~~?~~|

|~~3~~|~~5~~|~~N~~|K=

H|1|-

17.6|19.7|I|~~?~~|~~?~~|

|2|~~N~~|K=H|1|-

17.2|9.1|I|~~4~~|~~5~~|N|1|-

16.9|7.0|I?|2|N|1|-

16.5|9.2|I|4|N|1|-

16.8|14.4|I|

|~~6~~|~~8~~|K=H|~~?~~|

K=8H|2|F

16.5|23.7|I|

|~~4~~|~~5~~|~~?~~|K=

H|1|-

16.0|14.6|I|~~?~~|~~?~~|I^a|364|2|~~N~~|

|seen

16.2|15.9|I|4|N|1|-

15.9|16.4|I|~~4~~|~~5~~|K=H

|~~5~~|~~H~~|1|-

15.5|16.3|I|6|~~K=H~~|K=.8H|2|-

16.0|20.5|I|2|N|1|-

15.6|23.4|I|~~4~~|~~5~~|N|1|-

14.4|6.2|I|~~?~~|~~?~~|I^a|365|~~4~~|~~?~~|

ethrough|2|K=H|1|seen

13.5|5.7|I|3|~~?~~|~~N~~|1|-

13.5|13.6|I|

|~~4~~|~~5~~|~~N~~|K=.

8H|1|-

12.1|5.9|I|3|N|1|-

12.2|7.7|I|~~?~~|~~?~~|

|~~2~~|~~4~~|~~N~~|K=

H|1|-

12.9|9.5|I|~~?~~|~~?~~|

|~~1~~|~~4~~|~~N~~|K=

H|1|-

13.0|15.1|I|~~?~~|~~?~~|I^b|366|~~1~~|~~?~~|

trikethrough|2|~~N~~|K=H|1|seen

13.6|17.1|I|~~?~~|~~?~~|

|~~1~~|~~2~~|N|1|-

12.0|24.0|I|~~4~~|~~6~~|N?|2|F

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

185

[seven columned table]

| No. | R.A. | Dec. | Mag. | Br. | Mean | 7 | | | | |
|------------|------|---------|--------|-----|------|-------------|-----------------|-----|-----|-----|
| 23 57+68.1 | 1426 | 23 57.8 | +68 4 | 7.0 | 7.1 | 1.1 8.2 6.0 | 5.6 | | | |
| 22 29+78.1 | 801 | 22 28.6 | +78 4 | 5.7 | 6.3 | 1.7 8.0 5.8 | 4.6 | | | |
| 22 26+78.0 | 796 | 22 25.6 | +78 1 | 6.0 | 6.5 | 1.7 8.2 6.0 | 5.0 | | | |
| 22 3+58.5 | 2552 | 23 3.6 | +58 34 | 6.1 | 6.7 | 0.7 7.4 5.2 | 5.2 | | | |
| 23 1+58.6 | 2545 | 23 0.5 | +58 38 | 5.3 | 4086 | 5.0 19.3 | 6.2 0.7 6.9 4.7 | 4.7 | | |
| 0 2+78.9 | 1 | 0 1.5 | +78 55 | 6.5 | 6.7 | 1.8 8.5 6.3 | 5.2 | | | |
| 23 14+79.1 | 777 | 23 13.9 | +79 6 | 7.8 | 6.9 | 0.8 7.7 5.5 | 5.4 | | | |
| 23 1+58.9 | 2546 | 23 1.1 | +58 58 | 6.5 | 6.8 | 7.0 0.7 7.5 | 7.7 5.3 | 5.5 | 5.3 | 5.5 |
| 23 42+59.2 | 2777 | 23 41.8 | +59 10 | 6.5 | 6.8 | 0.7 7.5 5.3 | 5.3 | | | |
| 23 50+59.3 | 2779 | 23 50.3 | +59 13 | 6.7 | 7.0 | 0.7 7.7 5.5 | 5.5 | | | |
| 0 18+79.3 | 10 | 0 17.9 | +79 14 | 7.0 | 6.7 | 1.8 8.5 6.3 | 5.2 | | | |
| 23 21+69.6 | 1332 | 23 21.1 | +69 34 | 6.2 | 6.5 | 1.1 7.6 5.4 | 5.0 | | | |
| 22 29+69.2 | 1262 | 22 28.9 | +69 9 | 6.0 | 7.0 | 1.1 8.1 5.9 | 5.5 | | | |
| 23 20+69.9 | 1331 | 23 20.2 | +69 53 | 6.8 | 6.9 | 1.2 8.1 5.9 | 5.4 | | | |
| 23 5+79.8 | 769 | 23 4.6 | +79 47 | 7.5 | 6.8 | 1.9 8.7 6.5 | 5.3 | | | |
| 22 58+79.9 | 761 | 22 58.8 | +79 80 | 7.2 | 6.8 | 1.9 8.7 6.5 | 5.3 | | | |
| 23 10+70.1 | 1311 | 23 10.0 | +70 6 | 6.0 | 6.5 | 1.2 7.7 5.5 | 5.0 | | | |
| 22 59+59.6 | 2631 | 22 57.6 | +59 40 | 6.7 | 7.2 | 0.7 7.9 5.7 | 5.7 | | | |
| 22 29+69.6 | 1263 | 22 29.2 | +69 37 | 6.2 | 6.9 | 1.1 8.0 5.8 | 5.4 | | | |
| 23 64+60.4 | 2659 | 23 54.3 | +60 24 | 6.0 | 6.9 | 0.8 7.7 5.5 | 5.4 | | | |
| 1 5+80.1 | 36 | 1 6.2 | +80 8 | 6.7 | 6.7 | 1.9 8.6 6.4 | 5.2 | | | |
| 23 62+71.2 | 1208 | 23 26.4 | +71 12 | 6.8 | 6.8 | 1.2 8.0 5.8 | 5.3 | | | |
| 23 54+61.5 | 2586 | 23 56.8 | +61 29 | 5.6 | 4253 | 6.1 18 | 7.1 0.8 7.9 5.7 | 5.6 | | |
| 0 50+81.1 | 25 | 0 49.6 | +81 6 | 7.5 | 6.7 | 2.0 8.7 6.5 | 5.2 | | | |
| 23 41+61.4 | 2533 | 23 41.8 | +61 24 | 5.9 | 6.7 | 0.8 7.5 5.3 | 5.2 | | | |
| 23 18+61.5 | 2444 | 23 18.4 | +61 29 | 5.3 | 6.9 | 7.3 | 0.8 7.7 | 8.1 | | |
| 5.5 | 5.9 | 5.4 | 5.8 | | | | | | | |
| 23 10+61.2 | 2413 | 23 10.3 | +61 10 | 6.5 | 7.1 | 0.8 7.9 5.7 | 5.6 | | | |
| 21 19+80.6 | 690 | 21 19.2 | +80 37 | 6.3 | 6.6 | 2.0 8.6 6.4 | 5.1 | | | |

171

Mean 1.6

| No. | R.A. | Dec. | Mag. | Br. | Mean | 7 |
|------------|------|---------|--------|-----|------|-------------|
| 23 57+68.1 | 1426 | 23 57.8 | +68 4 | 7.0 | 7.1 | 1.1 8.2 6.0 |
| 22 29+78.1 | 801 | 22 28.6 | +78 4 | 5.7 | 6.3 | 1.7 8.0 5.8 |
| 22 26+78.0 | 796 | 22 25.6 | +78 1 | 6.0 | 6.5 | 1.7 8.2 6.0 |
| 22 3+58.5 | 2552 | 23 3.6 | +58 34 | 6.1 | 6.7 | 0.7 7.4 5.2 |
| 23 1+58.6 | 2545 | 23 0.5 | +58 38 | 5.3 | 4086 | 5.0 19.3 |
| 0 2+78.9 | 1 | 0 1.5 | +78 55 | 6.5 | 6.7 | 1.8 8.5 6.3 |
| 23 14+79.1 | 777 | 23 13.9 | +79 6 | 7.8 | 6.9 | 0.8 7.7 5.5 |
| 23 1+58.9 | 2546 | 23 1.1 | +58 58 | 6.5 | 6.8 | 7.0 0.7 7.5 |
| 23 42+59.2 | 2777 | 23 41.8 | +59 10 | 6.5 | 6.8 | 0.7 7.5 5.3 |
| 23 50+59.3 | 2779 | 23 50.3 | +59 13 | 6.7 | 7.0 | 0.7 7.7 5.5 |
| 0 18+79.3 | 10 | 0 17.9 | +79 14 | 7.0 | 6.7 | 1.8 8.5 6.3 |
| 23 21+69.6 | 1332 | 23 21.1 | +69 34 | 6.2 | 6.5 | 1.1 7.6 5.4 |
| 22 29+69.2 | 1262 | 22 28.9 | +69 9 | 6.0 | 7.0 | 1.1 8.1 5.9 |
| 23 20+69.9 | 1331 | 23 20.2 | +69 53 | 6.8 | 6.9 | 1.2 8.1 5.9 |
| 23 5+79.8 | 769 | 23 4.6 | +79 47 | 7.5 | 6.8 | 1.9 8.7 6.5 |
| 22 58+79.9 | 761 | 22 58.8 | +79 80 | 7.2 | 6.8 | 1.9 8.7 6.5 |
| 23 10+70.1 | 1311 | 23 10.0 | +70 6 | 6.0 | 6.5 | 1.2 7.7 5.5 |
| 22 59+59.6 | 2631 | 22 57.6 | +59 40 | 6.7 | 7.2 | 0.7 7.9 5.7 |
| 22 29+69.6 | 1263 | 22 29.2 | +69 37 | 6.2 | 6.9 | 1.1 8.0 5.8 |
| 23 64+60.4 | 2659 | 23 54.3 | +60 24 | 6.0 | 6.9 | 0.8 7.7 5.5 |
| 1 5+80.1 | 36 | 1 6.2 | +80 8 | 6.7 | 6.7 | 1.9 8.6 6.4 |
| 23 62+71.2 | 1208 | 23 26.4 | +71 12 | 6.8 | 6.8 | 1.2 8.0 5.8 |
| 23 54+61.5 | 2586 | 23 56.8 | +61 29 | 5.6 | 4253 | 6.1 18 |
| 0 50+81.1 | 25 | 0 49.6 | +81 6 | 7.5 | 6.7 | 2.0 8.7 6.5 |
| 23 41+61.4 | 2533 | 23 41.8 | +61 24 | 5.9 | 6.7 | 0.8 7.5 5.3 |
| 23 18+61.5 | 2444 | 23 18.4 | +61 29 | 5.3 | 6.9 | 7.3 |
| 5.5 | 5.9 | 5.4 | 5.8 | | | |
| 23 10+61.2 | 2413 | 23 10.3 | +61 10 | 6.5 | 7.1 | 0.8 7.9 5.7 |
| 21 19+80.6 | 690 | 21 19.2 | +80 37 | 6.3 | 6.6 | 2.0 8.6 6.4 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

[[left margin]]172[[left margin]]

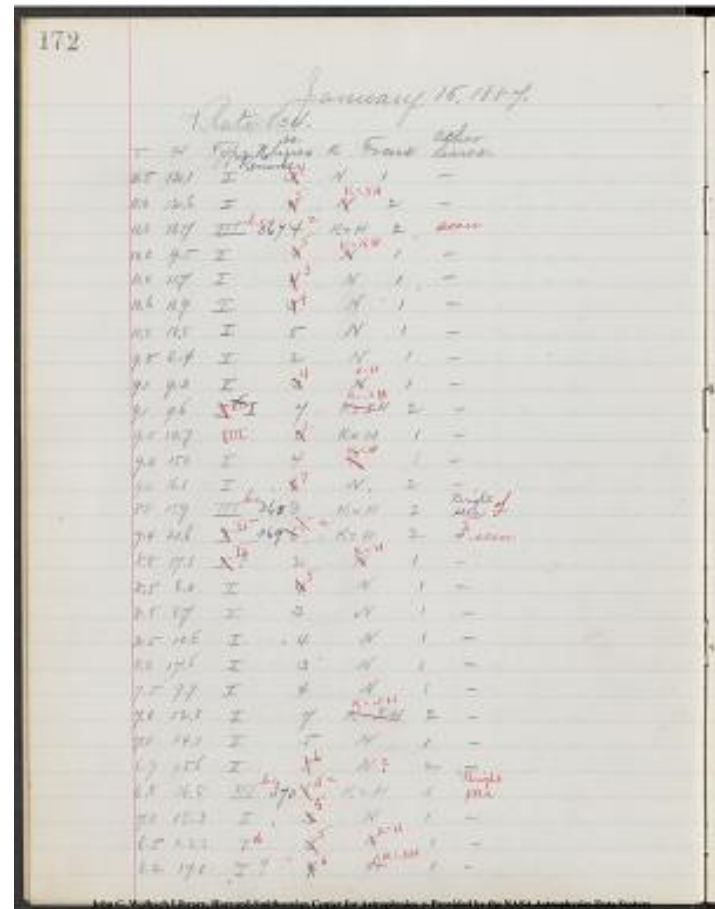
January 15, 1887

Rate 834.

[[7 columned table]]

V | H | Type | No. Lines Remarks | K | Focus | Other lines |

| | | | | | | |
|------|------|-----|---|---------------------------------|--|--|
| 11.5 | 12.1 | I | 4 | N 1 - | | |
| 11.0 | 12.6 | I | 5 | K=.5H 2 - | | |
| 11.0 | 16.7 | III | 2 | K=H 2 seen | | |
| 10.0 | 9.5 | I | 5 | K=.8H 1 - | | |
| 10.0 | 11.7 | I | 3 | N 1 - | | |
| 10.6 | 16.9 | I | 4 | N 1 - | | |
| 10.0 | 18.8 | I | 5 | N 1 - | | |
| 9.5 | 6.4 | I | 2 | N 1 - | | |
| 9.1 | 9.3 | I | 4 | K=H 1 - | | |
| 9.1 | 9.6 | I | 7 | K=.2H 2 - | | |
| 9.5 | 12.7 | III | 2 | K=H 1 - | | |
| 9.0 | 15.0 | I | 4 | K=H 1 - | | |
| 9.0 | 16.1 | I | 7 | N 2 - | | |
| 8.8 | 15.9 | III | 3 | [[?]] K=H 2 Bright seen F | | |
| 9.4 | 21.6 | II | 2 | [[?]] K=H 2 F seen | | |
| 8.8 | 17.1 | II | 2 | K=H 1 - | | |
| 8.5 | 6.0 | I | 5 | N 1 - | | |
| 8.5 | 8.7 | I | 3 | N 1 - | | |
| 8.5 | 10.6 | I | 4 | N 1 - | | |
| 8.0 | 17.6 | I | 3 | N 1 - | | |
| 7.5 | 9.9 | I | 4 | N 1 - | | |
| 7.0 | 12.8 | I | 7 | K=.5H 2 - | | |
| 7.0 | 14.1 | I | 5 | N 1 - | | |
| 6.9 | 15.6 | I | 6 | N 2 - | | |
| 6.8 | 16.8 | III | 5 | K=H 3 Bright seen | | |
| 7.0 | 18.3 | I | 5 | N 1 - | | |
| 6.5 | 23.3 | I | 5 | K=H 1 - | | |
| 6.2 | 17.0 | I | 6 | K=.5H 1 - | | |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

173

Mean 15

[[9 columned table]]

| No. | R.A. | DEC. | MAG. | | Br. | | |

23 56 +82.2|748|23 55.4[^][[^]]+82[^][[^]] 10|7.0 .|6.9 2.2 9.1 6.9 . 5.4
[[checkmark]]

23 50 +82.5|743|23 49.7[^][[^]]+82[^][[^]] 23|6.0 ---|6.6 2.2 8.8 6.6 . 5.1
[[checkmark]]

22 48 +82.4|703|22 47.9[^][[^]]+82[^][[^]] 23|5.0 ---|[[^6.4]]6.7}
2.2|[[^8.6]]8.9 [[^6.4]]6.7} . [[^4.9]]5.2|[[checkmark]]

23 54 +72.9|1135|23 54.3[^][[^]]+72[^][[^]] 48|6.5 ---|6.9 1.3 8.2 6.0 . 5.6
[[checkmark]]

23 32 +62.9|2268|23 33.1[^][[^]]+62[^][[^]] 55|6.7 .|6.9 .9 7.8 5.6 . 5.4
[[checkmark]]

22 44 +82.5|700|22 44.1[^][[^]]+82[^][[^]] 30|8.0 .|6.8 2.2 9.0 6.8 . 5.3
[[checkmark]]

23 1 +62.9|2171|23 1.9[^][[^]]+62[^][[^]] 51|6.2 .|6.7 .9 7.6 5.4 . 5.2
[[checkmark]]

23 56 +62.8|2356|23 56.0[^][[^]]+62[^][[^]] 50|6.5
.[[[underlined]]7.1|[[underlined]].9 8.0 [[underlined]]5.8|[[underlined]]]
[[underlined]]5.6|[[underlined]] [[checkmark]]

23 44 +63.2|2064|23 43.9[^][[^]]+63 11|6.6 ---|7.0 .9 7.9 5.7 . 5.5
[[checkmark]]

0 42 +82.9|20|0 41.6[^][[^]]+82[^][[^]] 55|6.5 ---|6.1 2.3 8.4 6.2 . 4.6
[[checkmark]]

23 33 +73.2|1047|23 33.1[^][[^]]+73[^][[^]] 10|5.6 ---|[[^6.7]]7.0}
1.3|[[^8.0]]8.3 [[^5.8]]6.1} . [[^5.2]]5.5|[[checkmark]]

23 13 +83.4|647|23 12.7[^][[^]]+83[^][[^]] 27|8.0 ---|6.9 2.4 9.3 7.1 . 5.4
[[checkmark]]

23 9 +73.5|1023|23 9.5[^][[^]]+73[^][[^]] 27|6.2 4.12 5.6 22±0|6.4 1.4 7.8
5.6 . 4.9 [[checkmark]]

22 56 +83.5|640|22 55.4[^][[^]]+83[^][[^]] 34|5.0 ---|[[^6.3]]6.6}
2.4|[[^8.7]]9.0 [[^6.5]]6.8} . [[^4.8]]5.1|[[checkmark]]

22 32 +72.9|1049|22 32.2[^][[^]]+72 54|5.5 ---|7.1 1.3 8.4 6.2 . 5.6
[[checkmark]]

173

No. R.A. Dec. MAG.

No.

| | | | | | | | | | |
|-------|-------|------|----------------------------|------------------------|-----|-----|---|--|---------------|
| 23 56 | +82.2 | 748 | 23 55.4 [^] [[^]] | +82 [^] [[^]] | 10 | 7.0 | . 6.9 2.2 9.1 6.9 . 5.4 | [[checkmark]] | |
| 23 50 | +82.5 | 743 | 23 49.7 [^] [[^]] | +82 [^] [[^]] | 23 | 6.0 | --- 6.6 2.2 8.8 6.6 . 5.1 | [[checkmark]] | |
| 22 48 | +82.4 | 703 | 22 47.9 [^] [[^]] | +82 [^] [[^]] | 23 | 5.0 | --- [[^6.4]]6.7}
2.2 [[^8.6]]8.9 [[^6.4]]6.7} . [[^4.9]]5.2 | [[checkmark]] | |
| 23 54 | +72.9 | 1135 | 23 54.3 [^] [[^]] | +72 [^] [[^]] | 48 | 6.5 | --- 6.9 1.3 8.2 6.0 . 5.6 | [[checkmark]] | |
| 23 32 | +62.9 | 2268 | 23 33.1 [^] [[^]] | +62 [^] [[^]] | 55 | 6.7 | . 6.9 .9 7.8 5.6 . 5.4 | [[checkmark]] | |
| 22 44 | +82.5 | 700 | 22 44.1 [^] [[^]] | +82 [^] [[^]] | 30 | 8.0 | . 6.8 2.2 9.0 6.8 . 5.3 | [[checkmark]] | |
| 23 1 | +62.9 | 2171 | 23 1.9 [^] [[^]] | +62 [^] [[^]] | 51 | 6.2 | . 6.7 .9 7.6 5.4 . 5.2 | [[checkmark]] | |
| 23 56 | +62.8 | 2356 | 23 56.0 [^] [[^]] | +62 [^] [[^]] | 50 | 6.5 | . [[underlined]]7.1 [[underlined]].9 8.0 [[underlined]]5.8 [[underlined]]
[[underlined]]5.6 [[underlined]] | [[checkmark]] | |
| 23 44 | +63.2 | 2064 | 23 43.9 [^] [[^]] | +63 11 | 6.6 | --- | 7.0 .9 7.9 5.7 . 5.5 | [[checkmark]] | |
| 0 42 | +82.9 | 20 | 0 41.6 [^] [[^]] | +82 [^] [[^]] | 55 | 6.5 | --- | 6.1 2.3 8.4 6.2 . 4.6 | [[checkmark]] |
| 23 33 | +73.2 | 1047 | 23 33.1 [^] [[^]] | +73 [^] [[^]] | 10 | 5.6 | --- | [[^6.7]]7.0}
1.3 [[^8.0]]8.3 [[^5.8]]6.1} . [[^5.2]]5.5 | [[checkmark]] |
| 23 13 | +83.4 | 647 | 23 12.7 [^] [[^]] | +83 [^] [[^]] | 27 | 8.0 | --- | 6.9 2.4 9.3 7.1 . 5.4 | [[checkmark]] |
| 23 9 | +73.5 | 1023 | 23 9.5 [^] [[^]] | +73 [^] [[^]] | 27 | 6.2 | 4.12 5.6 22±0 6.4 1.4 7.8
5.6 . 4.9 | [[checkmark]] | |
| 22 56 | +83.5 | 640 | 22 55.4 [^] [[^]] | +83 [^] [[^]] | 34 | 5.0 | --- | [[^6.3]]6.6}
2.4 [[^8.7]]9.0 [[^6.5]]6.8} . [[^4.8]]5.1 | [[checkmark]] |
| 22 32 | +72.9 | 1049 | 22 32.2 [^] [[^]] | +72 54 | 5.5 | --- | 7.1 1.3 8.4 6.2 . 5.6 | [[checkmark]] | |

23 9 +63.5|1955|23 9.4[^]|+63 29|7.0 ---|7.0 .9 7.9 5.7 . 5.5
[[checkmark]]

23 58 +63.4|2107|23 59.0|+63 22|5.4 1 5.5 21
~~2~~ 1 6.7 .9 7.6
5.3 . 5.2
[[checkmark]]

0 1 +73.4|2|0 1.0|+73 26|7.0 .|7.1 1.4 8.5 6.3 . 5.6 [[checkmark]]

23 48 +73.6|1063|23 47.9|+73 36|7.0 4226 6.6 16.6|6.8 1.4 8.2 6.0 . 5.3
[[checkmark]]

22 21 +83.7|630|22 22.5|+83 46|7.0 .|6.9 2.4 9.3 7.1 . 5.4 [[checkmark]]

0 50 +83.8|20|0 48.4|+83 49|7.0 .|6.8 2.4 9.2 7.0 . 5.3 [[checkmark]]

23 33 +74.5|1032|23 33.1|+74 28|6.5 ---|6.5 1.4 7.9 5.7 . 5.0
[[checkmark]]

23 23 +74.4|1022|23 23.3|+74 26|7.0 .|6.8 1.4 8.2 6.0 . 5.3
[[checkmark]]

23 12 +74.5|1016|23 12.3|+74 31|6.6|6.6 1.4 8.0 5.8 . 5.1 [[checkmark]]

23.3 +74.6|1006|23 3.3|+74 36|4.6 ---|^{6.4} 6.6[}] 1.4^{7.8} 8.0
^{5.6} 5.8[}] . ^{4.9} 5.1[}]

23.3 +64.4|1764|23 3.4|+64 26|6.8 .|6.9 .9 7.8 5.6 . 5.4 [[checkmark]]

20 42 +83.2|588|20 43.2|+83 7|6.2 ---|6.5 2.3
8.8 6.6 . 5.0
[[checkmark]]

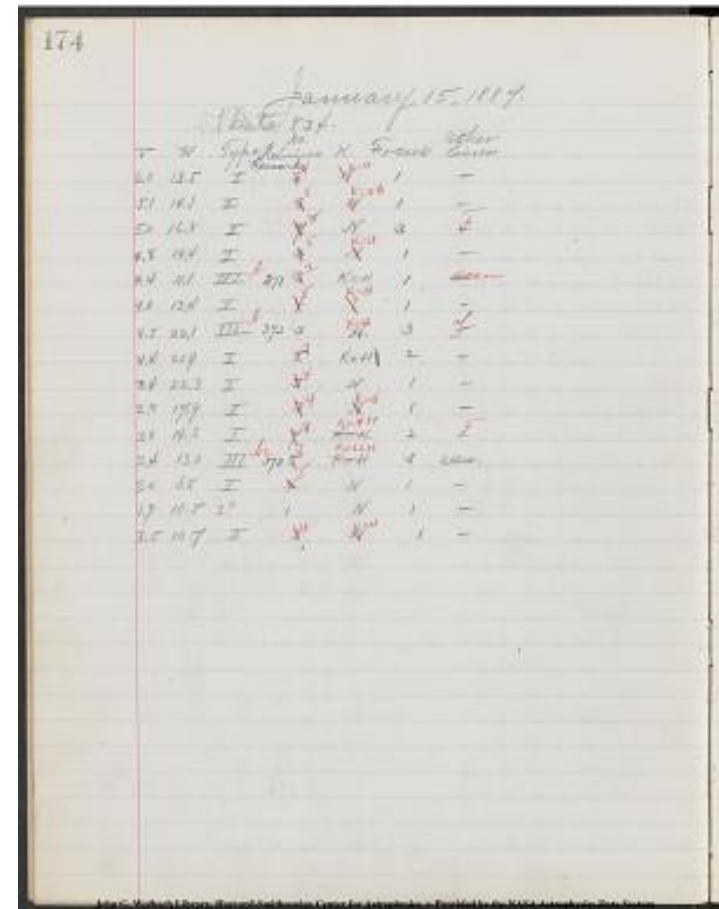
23 1 +74.8|1002|23 1.8|+74 48|7.3 --- [[checkmark]]|6.8 1.5 8.3 6.1 . 5.3
[[checkmark]]

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

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

174
January 15, 1887
Plate 834.

| V | H | Type | No. | Remarks | No. Lines | K | Focus | Other Lines |
|-----|------|------|-----|--------------------|-----------|---|-------|-------------|
| 6.0 | 13.5 | I | 4 | K=H 1 - | | | | |
| 5.1 | 14.1 | I | 5 | K=.8H 1 - | | | | |
| 5.0 | 16.8 | I | 8 | N 3 F | | | | |
| 4.8 | 14.4 | I | 5 | K=H 1 - | | | | |
| 4.4 | 11.1 | I | 3 | 71 2 K=H 1 seen | | | | |
| 4.0 | 13.4 | I | 5 | K=H 1 - | | | | |
| 4.5 | 22.1 | I | 3 | 72 3 K=H 3 F | | | | |
| 4.4 | 20.9 | I | 7 | K=H 2 - | | | | |
| 3.4 | 22.3 | I | 4 | N 1 - | | | | |
| 2.8 | 17.9 | I | 4 | K=H 1 - | | | | |
| 3.0 | 14.3 | I | 8 | K=.8H 2 F | | | | |
| 2.4 | 13.0 | I | 3 | 73 3 K=1.2H 3 seen | | | | |
| 3.0 | 8.8 | I | 5 | N 1 - | | | | |
| 1.7 | 10.5 | I | 1 | N 1 - | | | | |
| 3.5 | 10.7 | I | 4 | K=H 1 - | | | | |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

175

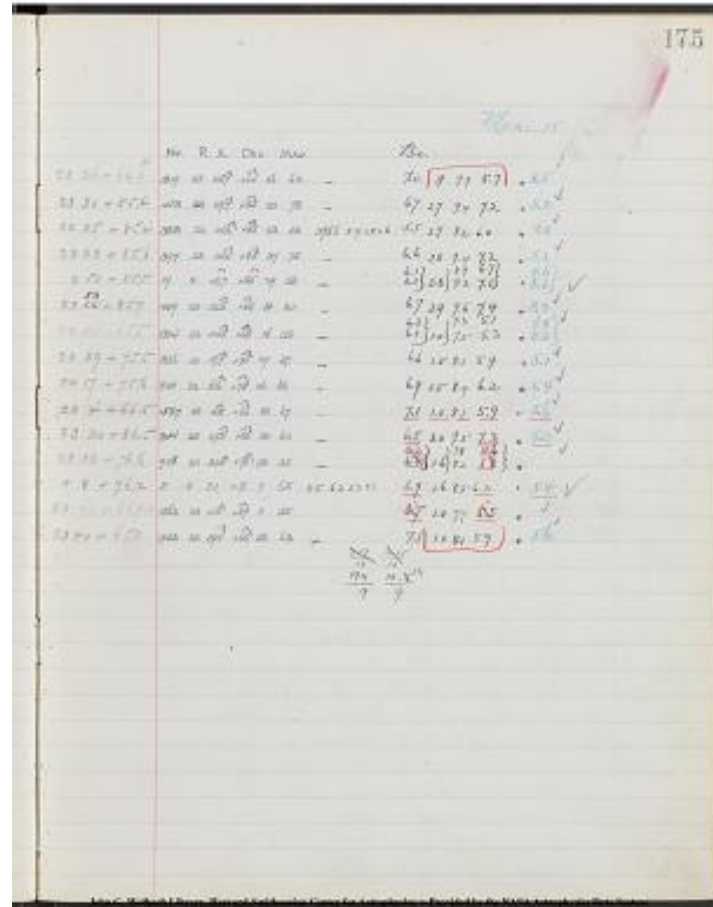
Mean 15

[[9 columned table]]
 |No.|R.A.|Dec.|Mag.| |Br.| | | |

 23 26 +64.0|1819|23 25.7|+64 56|6.2|-|7.0|9 7.9 5.7|•5.5|
 23 30 +85.4|403|23 29.7|+85 23|7.8|-|6.7|2.7 9.4 7.2|•5.2|
 22 25 +85.4|383|22 24.2|+85 23|5.0|3968 5.4 28 +6|5.5|2.7 8.2 6.0|•4.0|
 23 23 +85.6|399|23 24.2|+85 37|7.5|-|6.6|2.8 9.4 7.2|•5.1|
 0 50 +85.5|19 0|49.7|+85 29|5.0|-|6.5^[[6.1]]|2.8|9.3^[[8.9]]
 7.1^[[6.7]]|•5.0^[[4.6]]|
 23 ~~[[55]]~~ +85.9|409|23 52.8|+85 54|8.0|-
 6.7 2.9 9.6 7.4|•5.2|
 22 44 +65.5|1814|22 44.4|+65 26|3.8|-|6.5^[[6.3]]|1.0|7.5^[[7.3]]
 5.3^[[5.1]]|•5.0^[[4.8]]|
 22 29 +75.5|836|22 29.7|+75 27|5.7|-|6.6|1.5 8.1 5.9|•5.1|
 22 17 +75.8|820|22 16.6|+75 46|6.8|-|6.9|1.5 8.4 6.2|•5.4|
 23 4 +66.5|1587|23 4.2|+66 28|6.7|-|7.1|1.0 8.1
 5.9|5.6|
 23 30 +86.5|344|23 27.8|+86 30|6.0|-|6.5|3.0
 9.5 |7.3|5.0|
 23 33 +76.8|928|23 33.4|+76 50|3.5|-
 |6.4|6.2|1.0|
 6|8.0^[[7.8]]|
 |5.8|5.6|
 0 8 +72.2|5|0 8.1|+78 9|6.5|35 6.2
 23+1|6.9|1.6 8.5
 |6.3|5.4|
 23 41 +66.9 +|1562|23 41.0|+67 0|5.5|
 |6.7|1.0 7.7
 |5.5|
 23 40 +65.9|1943|23 39.4|+65 58|6.3|7.1|1.0 8.1 5.9|•5.6|

[[equation]]
 [[equation]]

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



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 16, 1887.

Plate 738.

9.15 a.m. [v][H]Type|No. Remarks|No. Lines|K|Focus|Other Lines.

22.9|6.9|[[[strikethrough]]|[[[strikethrough]]]]|

|2|[[[strikethrough]]]N|[[[strikethrough]]]K=H|1|-

22.6|10.8|[[[strikethrough]]|[[[strikethrough]]]]|? Ila?|373a|2

2|[[[strikethrough]]]N|[[[strikethrough]]]K=H K=H|1 1|- seen

22.6|12.3|[[[strikethrough]]|[[[strikethrough]]]]|I^a|374|[[[strikethrough]]]4|[[[strikethrough]]]3|K=H|2|seen

22.6|12.9|I|[[[strikethrough]]]3|[[[strikethrough]]]6|N|1|-

22.3|10.4|I|[[[strikethrough]]]6|[[[strikethrough]]]7|N?|3|[[[strikethrough]]]-

[[[strikethrough]]]F

20.6|8.2|I|[[[strikethrough]]]7|[[[strikethrough]]]9|[[[strikethrough]]]K=.8H|[[[strikethrough]]]K=.3H|5|[[[strikethrough]]]-[[[strikethrough]]]F

19.8|12.3|I|I|[[[strikethrough]]]3|[[[strikethrough]]]4

4|[[[strikethrough]]]N|[[[strikethrough]]]K=H N|1 1|-

19.5|11.7|I|I|[[[strikethrough]]]4|[[[strikethrough]]]5 5|N N|1 1|-

19.5|8.4|I|[[[strikethrough]]]5|[[[strikethrough]]]6|N|2|-

III? 6.6. 6.9. 18.9|10.2|III III|[[[strikethrough]]]1|[[[strikethrough]]]2

2|[[[strikethrough]]]N|[[[strikethrough]]]K=H K=H|1 1|-

17.5|9.0|I|4|[[[strikethrough]]]N|[[[strikethrough]]]K=H|2|-

17.0|7.2|I|

[[[strikethrough]]]4|[[[strikethrough]]]5|[[[strikethrough]]]N|[[[strikethrough]]]K=H|1|-

16.7|5.9|[[[strikethrough]]|[[[strikethrough]]]]|III III?|

[[[strikethrough]]]2|[[[strikethrough]]]1 2|N K=H|1 1|-

16.8|9.1|I|I|[[[strikethrough]]]3|[[[strikethrough]]]4 4|H N? N|1 1|-

16.9|9.9|I|[[[strikethrough]]]10|[[[strikethrough]]]11|K=.2H|5|F

16.0|10.3|I|8|K=.2H|3|[[[strikethrough]]]-[[[strikethrough]]]F?

15.9|8.5|I|I|[[[strikethrough]]]3|[[[strikethrough]]]4 4|N N|1 1|-

15.4|9.0|I|[[[strikethrough]]]6|[[[strikethrough]]]7|K=.2H|2|-

14.9|12.9|III III|[[[strikethrough]]]1|[[[strikethrough]]]2

2|[[[strikethrough]]]N|[[[strikethrough]]]K=H K=H|1 1|-

14.5|4.3|I|[[[strikethrough]]]7|[[[strikethrough]]]8|N?|3|-

13.8|6.0|I|[[[strikethrough]]]I?|[[[strikethrough]]]4 5

5|[[[strikethrough]]]N|[[[strikethrough]]]N|[[[strikethrough]]]1 1|-

13.9|11.8|I|10|[[[strikethrough]]]K=.5H|[[[strikethrough]]]K=.2H|5|Fseen

13.8|6.7|I I?|[[[strikethrough]]]2|[[[strikethrough]]]3

4|[[[strikethrough]]]N|[[[strikethrough]]]K=H|1 1|-

13.5|8.2|I|[[[strikethrough]]]5|[[[strikethrough]]]6|N|2|-

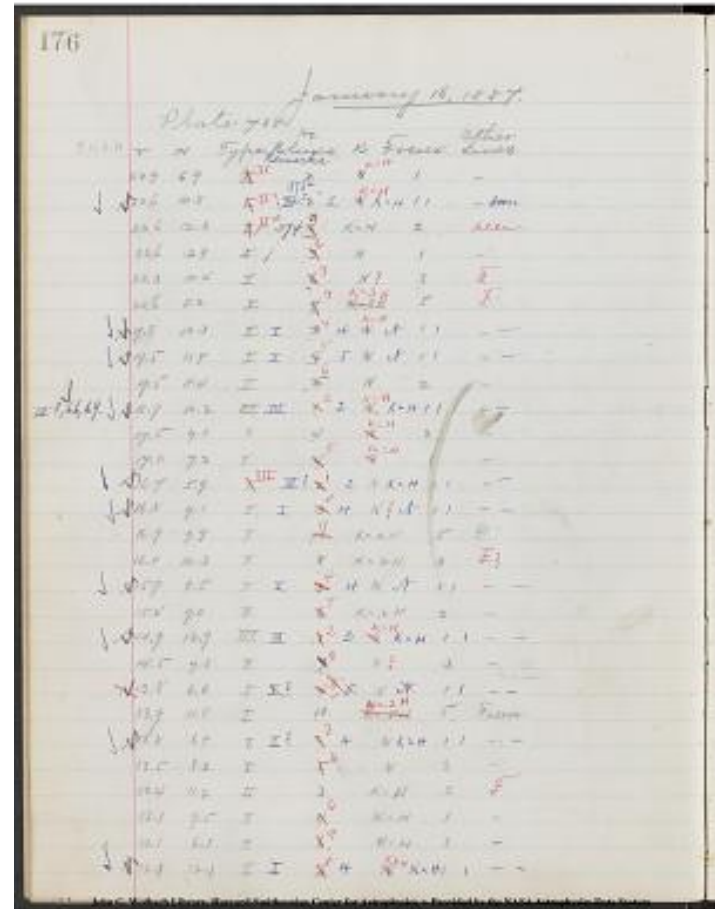
13.4|11.2|III|3|K=H|2|[[[strikethrough]]]-[[[strikethrough]]]F

13.1|9.5|I|[[[strikethrough]]]4|[[[strikethrough]]]6|K=H|1|-

13.1|6.1|I|[[[strikethrough]]]6|[[[strikethrough]]]9|K=H|3|=

12.1|12.1|I|I|[[[strikethrough]]]2|[[[strikethrough]]]4

4|[[[strikethrough]]]N|[[[strikethrough]]]K=H K=H|1 1|-



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3

Transcribed and Reviewed by Digital Volunteers

Extracted Dec-02-2022 11:19:31

[No.[A.A].Dec.[Mag.] |Br.| |
20 31 +61.2|2028|20|31.2^|+61|16|7.3|- 12.4 +57
41|[[[strikethrough]]][[underline]]7.0|[[underline]]|[[[strikethrough]]] .8 7.8
[[[strikethrough]]]6.6|[[[strikethrough]]]6.4|[[[symbol-dot]]][[[symbol-check]]]
20 |[[[strikethrough]]]17|[[[strikethrough]]]15 +61.8|[[[strikethrough]]]2000
1996|[[[strikethrough]]]5|[[[strikethrough]]]20|[[[strikethrough]]]20|[[[strikethrough]]]17.2 14.9^|[[[strikethrough]]]12.2|[[[strikethrough]]]+61
+61^|[[[strikethrough]]]51|[[[strikethrough]]]48|[[[strikethrough]]]41
33|[[[strikethrough]]]5.8|[[[strikethrough]]]8.2 75|[[[strikethrough]]]7.0 7.0
[[[strikethrough]]][[underline]]7.1|[[underline]]|[[[strikethrough]]] .8 7.9
[[underline]]|[[[strikethrough]]]6.7|[[[strikethrough]]]
6.5|[[underline]]|[[[symbol-dot]]][[[symbol-check]]]
20 9 +61.6|1983|20|9.2^|+61^|39|5.8|-
[[[strikethrough]]][[underline]]6.3|[[underline]]|[[[strikethrough]]] .8 7.1
[[[strikethrough]]][[underline]]5.9
5.7|[[underline]]|[[[strikethrough]]][[[symbol-dot]]][[[symbol-check]]]
20 7
+61.6|1975|20|6.6^|+61^|39|6.8| |[[[strikethrough]]][[underline]]6.5|[[underline]]|[[[strikethrough]]][[[symbol-dot]]][[[symbol-check]]]
20 16 +61.8|2000|20|17.2^|+61^|48|5.8| |[[underline]]6.3|[[underline]]
.8 7.1 |[[underline]]|[[[strikethrough]]]5.9|[[[strikethrough]]]5.7|5.6|[[underline]]
[[[symbol-dot]]][[[symbol-check]]]
20 27 +62.5|1821|20|27.2^|+62^|31|4.0|-|4.8 .8 5.6
[[[strikethrough]]]4.4|[[[strikethrough]]]4.2 4.1|[[[symbol-dot]]][[[symbol-check]]]
20 10 +63.1|1605|20|9.6^|+63^|6|7.8|-|6.8 6.8 .9 7.5
[[[strikethrough]]]6.3|[[[strikethrough]]]6.1 6.1|[[[symbol-dot]]][[[symbol-check]]]
20 10 +53.3|2368|20|9.8^|+53|13|6.6| |6.8 6.8 .6 7.4
[[[strikethrough]]]6.2|[[[strikethrough]]]6.0 6.1|[[[symbol-dot]]][[[symbol-check]]]
20 21 +53.1|2397|20|20.6^|+53^|5|6.2| |6.6 .6 7.2
[[[strikethrough]]]6.0|[[[strikethrough]]]6.0|[[[strikethrough]]]5.8 5.9|5.9
[[[symbol-dot]]][[[symbol-check]]]
20 19 +63.5|1618|20|19.2^|+63^|32|5.9|-|6.7 7.0} 6.6 7.0} .9} 7.5 7.9
[[[strikethrough]]]6.3 6.7|[[[strikethrough]]] 6.1 6.5}|5.9 6.3} [[[symbol-dot]]][[[symbol-check]]]
20 19 +54.2|2341|20|19.3^|+54^|12|6.7|-|6.5 .6 7.1
[[[strikethrough]]]5.9|[[[strikethrough]]]5.7|5.8|[[[symbol-dot]]][[[symbol-check]]]
20 52 +74.1|890|20|52.8^|+74^|6|7.3|-|6.5 1.4 7.9
[[[strikethrough]]]6.7|[[[strikethrough]]]6.5|5.8|[[[symbol-dot]]][[[symbol-check]]]
20 29 +54.3|2374|20|29.5^|+54^|18|7.0|-|7.0 7.3| [[underline]]6.9
7.3|[[underline]] .6} 7.5 7.9| [[underline]]|[[[strikethrough]]]6.3
6.7|[[[strikethrough]]] 6.1 6.5}|6.2 6.6}|[[underline]] |[[[symbol-dot]]][[[symbol-check]]]
20 19 +54.5|2339|20|18.8^|+54^|28|7.3| |6.9 6.9 .6 7.5
[[[strikethrough]]]6.3|[[[strikethrough]]]6.1|6.2|[[[symbol-dot]]][[[symbol-check]]]
20 33
+74.5|[[[strikethrough]]]7|[[[strikethrough]]]872|20|33.4^|+74^|26|5.5|-|5.9
1.4 7.3 |[[[strikethrough]]]6.1|[[[strikethrough]]]5.9|5.2|[[[symbol-dot]]][[[symbol-check]]]
20 14 +54.9|2329|20|14.8^|+54^|57|6.0|-|6.9 .6 7.5
[[[strikethrough]]]6.3|[[[strikethrough]]]6.1|6.2|[[[symbol-dot]]][[[symbol-check]]]
20 21 +54.9|2344|20|21.0^|+54^|58|6.9| |6.7 6.1 .6 6.7
[[[strikethrough]]]5.5|[[[strikethrough]]]5.3|5.4|[[[symbol-dot]]][[[symbol-check]]]
20 26 +65.3|1466|20|26.2^|+65^|16|6.3|-
|[[[strikethrough]]]6|[[[strikethrough]]]6.3} .9 7.2 5.8
[[[strikethrough]]]6.0|[[[strikethrough]]]5.6|[[[symbol-dot]]][[[symbol-check]]]

$20.6 + 55.5 | 2336 | 20 | 6.0^{\wedge} + 55^{\wedge} | 36 | 6.5 | - | 6.6 \ 6.8 \} \ 6.6 \ 6.9 \} \ 6 \} \ 7.2 \ 7.5$
~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ $6.0 \ 6.3 \} \ 5.8 \ 6.1 \} \ 5.9 \ 6.2 \} \ 5.0$
 $20.26 + 55.6 | 2411 | 20 | 25.8^{\wedge} + 55^{\wedge} | 35 | 6.0 \} \ 5.8 \ .6 \ 6.4$
 5.0 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.2 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.1 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~
 $21.2 + 75.8$ ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ $20.40.9$
 $+ 65.8$ ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 774 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 1499 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 21
 20 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 8.4 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 40.9^{\wedge} ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ $+ 7$
 5 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ $+ 65^{\wedge}$ ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 47 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 48 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~
 8.2 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 7.0 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 6.3 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 6.6
 $1.5 \ 8.1$ ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 6.7
 6.9 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.9 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~
 $20.10 + 56.1 | 2376 | 20 | 10.0^{\wedge} + 56^{\wedge} | 8 | 4.5 | - | 4.8 \ .6 \ 5.4$
 4.2 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 4.0 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 4.1 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~
 $20.28 + 56.3 | 2444 | 20 | 28.2^{\wedge} + 56^{\wedge} | 17 | 6.3 | 3598 \ 6.3 \ 13$ ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ $+ 7$
 $+ 1$ ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 7.0 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ $.6 \ 7.6$
 7.0 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 6.4 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 6.2 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 6.3 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~
 $20.23 + 56.2 | 2421 | 20 | 22.9^{\wedge} + 56^{\wedge} | 10 | 6.6 | .6.2 \ .6 \ 6.8$
 5.6 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.4 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.5 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~
 $20.16 + 66.4 | 1281 | 20 | 16.1^{\wedge} + 66^{\wedge} | 23 | 6.2 | - | 5.9 \ 1.0 \ 6.9$
 5.7 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.5 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.2 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~
 $20.41 + 76.3 | 809 | 20 | 41.0^{\wedge} + 76^{\wedge} | 19 | 7.1 | - | 6.5 \ 1.6 \ 8.1$
 6.9 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 6.7 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.8 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~
 $20.41 + 66.1 | 1318 | 20 | 41.4^{\wedge} + 66^{\wedge} | 8 | 5.5 | - | 5.7$ ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 1.0
 6.7 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.5 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.3 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 5.0 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~
 $20.9 + 56.9 | 2375 | 20 | 9.1^{\wedge} + 56^{\wedge} | 57 | 7.4 | - | 6.9 \ 6.9 \ .7 \ 7.6$
 6.4 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~ 6.2 ~~[[symbol-dot]]~~ ~~[[symbol-check]]~~

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 16, 1887.

Plate 738.

v|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines.

11.7|12.8|||~~10~~|~~2~~|N|5|Fseen.11.6|7.5|||~~3~~|~~5~~|N|1|1|-11.5|7.3|||~~3~~|~~4~~|N|1|-11.4|12.9|||~~374a~~|~~3~~|K-H|K=H|1|2|- Fseen10.5|12.5|||~~1~~|~~4~~|~~6~~5|~~N~~|~~K~~=.8H|K=H|2|2|-10.5|12.6||~~?~~|~~?~~|~~?~~|~~1~~|~~5~~4|~~N~~|~~K~~=H|K=H|1|1|-

10.1|7.1|||

|~~7~~|~~8~~|~~N~~|~~K~~=

2H|3|Fseen

9.0|6.9|||~~3~~|~~5~~|N|1|-8.9|6.2|||~~4~~|~~5~~|N|2|-8.2|6.8|||~~4~~|~~5~~|N|2|-8.0|10.3|||~~5~~|~~7~~|N|3|-

8.0|10.5|||

|~~3~~|~~6~~|~~N~~|~~K~~=

H|1|-

7.7|8.8|||

|~~5~~|~~6~~|~~N~~|~~K~~=

5H|2|-

6.7|8.8|||~~3~~|~~4~~5|~~?~~|~~K~~=H|K=H|1|1|-6.5|11.4|||~~4~~|~~5~~|N|2|-6.6|12.1|||~~3~~|~~4~~|N|1|1|-6.0|12.3|||~~5~~|~~8~~|N|3|~~?~~|~~F~~6.0|12.5|||~~2~~|~~4~~5|~~N~~|~~K~~=H|K=H|1|1|-III? 6.7, 7.0|5.9|11.8|||~~1~~|~~2~~2|~~N~~|~~K~~=H|K=H|1|1|-6.0|8.9|||~~5~~|~~6~~|N|2|-5.8|9.6|||^ab.c.|375|3|K=H|2|~~?~~|~~Bright~~ seen5.5|11.3|||~~?~~|~~?~~|~~?~~2|~~N~~|~~K~~=H|K=H|1|1|- seen4.8|7.7|||~~4~~|~~5~~|~~N~~|~~N~~|~~?~~|~~1~~

1|-

4.9|11.2||| 3|K=H|2|F

4.3|8.6|||

|~~3~~|~~6~~|~~N~~|~~K~~=

H|2|-

4.2|11.3|||^ab.c.|376|3|K=H|2|~~?~~|~~Bright~~,

Fseen

4.1|11.4||| 3|K=H|1|~~?~~|~~?~~4.0|7.9|||~~5~~|~~6~~|N|3|-

Mean 7

[[9 columned table]]
 | No. | R.A. | DEC. | MAG. | | Br. | | |
 |-----|-----|-----|-----| |-----| |-----| |-----|
 20 13 +77.2|764|20 13.8[^][[]]]+77[^][[]]] 16|4.8|3545 4.4 15
 [[/strickethrough]]+9 +3[[/strickethrough]]+*3|4.3|1.6 5.9 [[/strickethrough]]5.3
 4.7[[/strickethrough]]4.5|*3.6|
 20 36 +66.9|1311|20 35.6[^][[]]]+[[/strickethrough]]67[[/strickethrough]]66[^][[]]]
 [[/strickethrough]]0[[/strickethrough]]60|7.4|*6.8 6.7|1.0 7.7
 [[/strickethrough]]6.5[[/strickethrough]]6.3|*6.0|
 21 2 +76.8|824|21 2.4[^][[]]]+76[^][[]]] 51|8.2|*6.7|1.6 8.3
 [[/strickethrough]]7.1[[/strickethrough]]6.9|*6.0|
 20 13 +77.4[[/strickethrough]]764[[/strickethrough]]762[[/strickethrough]]20
 13.8[[/strickethrough]]20 13.0[^][[]]]+77[^][[]]]
 16[[/strickethrough]]+77[^][[]]] 25[[/strickethrough]]4.8[[/strickethrough]]7.7|-
 6.4 6.5|1.6 8.1 [[/strickethrough]]6.9[[/strickethrough]]6.7|*5.8|
 20 10 +67.8|1235|20 10.3[^][[]]]+67[^][[]]] 50|6.9|-|6.2 6.4|1.1 7.5
 [[/strickethrough]]6.3[[/strickethrough]]6.1|*5.7|
 20 10 +67.9|1233|20 9.6[^][[]]]+67[^][[]]] 52|7.7|-|6.8 6.8|1.1 7.9
 [[/strickethrough]]6.7[[/strickethrough]]6.5|*6.1|
 21 8 +77.5|800|21 8.4[^][[]]]+77[^][[]]] 32|6.1|-|5.4|1.7 7.1
 [[/strickethrough]]5.9[[/strickethrough]]5.7|*4.7|
 21 12 +78.0|742|21 12.2[^][[]]]+78[^][[]]]
 4|7.5|*[[/underlined]]6.4[[/underlined]]|1.7 8.1
 [[/strickethrough]]6.9[[/strickethrough]][[/underlined]]6.7[[/underlined]]|*[[/unde
 rlined]]5.7[[/underlined]]|
 21 18 +77.9|811|21 18.4[^][[]]]+77[^][[]]]
 59|7.0|*[[/underlined]]6.3[[/underlined]]|1.7 8.0
 [[/strickethrough]]6.8[[/strickethrough]][[/underlined]]6.6[[/underlined]]|*5.6|
 21 14 +78.4|744|21 14.8[^][[]]]+78[^][[]]]
 23|6.8|*[[/underlined]]6.3[[/underlined]]|1.7 8.0
 [[/strickethrough]][[/underlined]]6.8[[/underlined]][[/strickethrough]][[/underline
 d]]6.6[[/underlined]]|*[[/underlined]]5.6[[/underlined]]|
 20 42 +78.9|716|20 41.6[^][[]]]+78[^][[]]] 54|6.9| |5.8 1.8 7.6
 [[/strickethrough]]6.4[[/strickethrough]]6.2|*5.1|
 20 22 +69.1|1099|20 21.8[^][[]]]+69[^][[]]] 3|7.7|-|6.6 1.1 7.7
 [[/strickethrough]]6.5[[/strickethrough]]6.3|*5.9|
 20 22 +59.2|2228|20 22[[/strickethrough]]0[[/strickethrough]]1[^][[]]]+59[^][[]]]
 8|6.4|-|6.4| 7 7.1 [[/strickethrough]]5.9[[/strickethrough]]5.7|*5.7|
 20 23 +59.7|2234|20 22.8[^][[]]]+59[^][[]]] 42|7.3|-|7.0 7.0| 7 7.7
 [[/strickethrough]]6.5[[/strickethrough]]6.3|*6.3|
 20 32 +79.7|675|20 32.6[^][[]]]+79[^][[]]] 43|7.3|*6.3|1.9 8.2
 [[/strickethrough]]7.0[[/strickethrough]]6.8|*5.6|
 20 9 +59.7|2195|20 9.3[^][[]]]+59[^][[]]] 43|7.4|-|7.0 7.0| 7 7.7
 [[/strickethrough]]6.5[[/strickethrough]]6.3|*6.3|
 20 22 +80.1|650|20 22.6[^][[]]]+80[^][[]]] 4|6.8|*5.8|1.9 7.7
 [[/strickethrough]]6.5[[/strickethrough]]6.3|*5.1|
 20 20 +80.0|648|20 20.3[^][[]]]+80[^][[]]] 0|7.8|-|6.8 6.8|1.9 8.7
 [[/strickethrough]]7.5[[/strickethrough]]7.3|*6.1|
 20 11 +60.2|2099|20 10.8[^][[]]]+60[^][[]]] 13|6.0|-|7.3[^][[6.9]]
 7.2[^][[6.8]]| 9|8.1[^][[7.7]]
 [[/strickethrough]]6.9[^][[6.5]][[/strickethrough]]6.7[^][[6.3]]|*6.5[^][[5.1]]|
 20 32 +70.0|1126|20 32.1[^][[]]]+70[^][[]]] 3|6.8|*6.3 1.2 7.5
 [[/strickethrough]]6.3[[/strickethrough]]6.1|*5.6|
 20 55 +80.0|672|20 54.1[^][[]]]+80[^][[]]] 0|5.3|-|6.3[^][[5.9]]|1.9|8.2[^][[7.8]]
 [[/strickethrough]]7.0[^][[6.2]][[/strickethrough]]6.8[^][[6.4]]|*5.6[^][[5.2]]|
 20 18 +70.3|1115|20 18.3[^][[]]]+70[^][[]]] 19|7.5|-|6.86.7 1.2 7.9

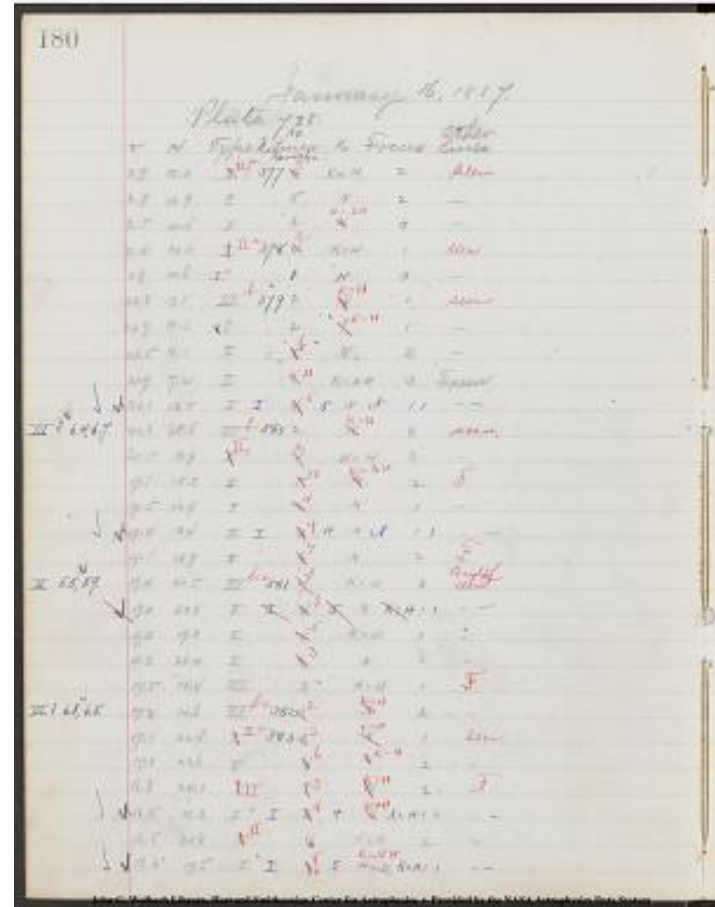
179

~~6.7~~~~6.5~~
~~6.5~~~~6.0~~
21 17 +80.2|688|21 18.2^{[[]]}+80^{[[]]}
12|6.5|•|~~6.3~~~~6.5~~|1.2 7.7
~~6.5~~~~6.3~~
~~6~~~~5.8~~
~~20 38 +70.7|1136|20 38.6|+70 40|7.8~~~~[[]]~~ |
|
20 38 +80.6|660|20 37.7^{[[]]}+80^{[[]]} 35|6.1|-|6.5^{[[6.1]]}|2.0}8.5^{[[8.1]]}
~~7.3~~^{[[6.9]]}~~7.1~~^{[[6.7]]}•5.8^{[[5.4]]}
|~~347|20 35.9|+85 48|8.0~~ |
21 10 +80.6|679|21 10.0^{[[]]}+80^{[[]]} 36|7.0|-|6.4|2.0 8.4
~~7.2~~~~7.0~~•5.7|
20 38 +80.9|659|20 37.2^{[[]]}+80^{[[]]} 56|5.8|-|6.0^{[[5.6]]}|2.0} 8.8^{[[7.6]]}
~~6.8~~^{6.4}~~6.6~~^{[[6.2]]}•5.3^{[[4.9]]}|
20 37 +80.9|~~660~~~~657~~|20
3~~7~~~~5.8~~+80 56|6.1^{[[7.5]]}-|6.8^{[[6.5]]}|2.0}
8.8^{[[8.5]]}
~~7.6~~^{[[7.3]]}~~7.4~~^{[[7.1]]}•6.1^{[[5.8]]}|
21 19 +80.6|690|21 19.2^{[[]]}+80^{[[]]} 37|6.3| |5.5|2.0 7.5
~~6.3~~~~6.1~~•4.8|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 16, 1887.
Plate 738.

v|H|Type|No Remarks.|NO. Lines|K|Focus|Other Lines
 2.9|12.3|[[crossed-out]]|[[crossed-out]]|I^a?|377|[[crossed-out]]
 out|4|[[crossed-out]]|2|K=H|2|seen
 2.9|12.9|I|5|N|2|-
 2.5|10.4|I|6|[[crossed-out]]|N|[[crossed-out]]|K=.2H|3|-
 2.4|12.0|[[crossed-out]]|[[crossed-out]]|I^a|378|[[crossed-out]]
 out|4|[[crossed-out]]|2|K=H|1|seen
 1.9|10.6|I|?|1|N|3|-
 22.8|13.8|I|I^s|[[?]]|379|2|[[crossed-out]]|N|[[crossed-out]]|K=H|1|seen
 22.9|18.3|[[crossed-out]]|1|[[crossed-out]]|?|2|[[crossed-out]]|?|[[crossed-out]]|K=H|1|-
 22.5|16.1|I|I|[[crossed-out]]|5|[[crossed-out]]|6|N|[[?]]|2|-
 21.9|17.2|I|I|[[crossed-out]]|8|[[crossed-out]]|10|K=.2H|3|Freew|[[?]]
 21.1|13.5|I|I|[[crossed-out]]|4|[[crossed-out]]|5|N|N|1|1|-
 I|I|? 6.4. 6.7. 20.6|18.6|I|I^a|b|[[?]]|380|2|[[crossed-out]]|N|[[crossed-out]]|K=H|2|seen.
 20.5|13.9|[[crossed-out]]|I|[[crossed-out]]|?|I|I|[[crossed-out]]|4|[[crossed-out]]|2|K=H|2|-
 19.8|15.3|I|I|[[crossed-out]]|5|[[crossed-out]]|10|[[crossed-out]]|N|[[crossed-out]]|K=.2H|2. |[[crossed-out]]|[[crossed-out]]|F
 19.5|18.9|I|I|[[crossed-out]]|2|[[crossed-out]]|4|N|1|-
 19.4|13.4|I|I|[[crossed-out]]|3|[[crossed-out]]|4|4|N|N|1|1|-
 19.1|13.9|I|I|[[crossed-out]]|6|[[crossed-out]]|7|N|2|F
 I|I 5.5. 5.9. 19.4|20.5|I|I^a|b.c.|[[?]]|381|[[crossed-out]]|7|[[crossed-out]]|3|K=H|3|Brightly seen.
 19.0|20.0|I|I|[[crossed-out]]|I|[[crossed-out]]|I|[[crossed-out]]|4|[[crossed-out]]|3|[[crossed-out]]|5|[[crossed-out]]|N|[[crossed-out]]|K=H|[[crossed-out]]|1|1|-
 19.0|19.0|I|I|[[crossed-out]]|4|[[crossed-out]]|5|K=H|1|-
 18.2|20.4|I|I|[[crossed-out]]|2|[[crossed-out]]|3|N|1|-
 17.5|14.4|I|I|I|3|K=H|1|F
 I|I|? 6.3. 6.5. 17.2|14.6|I|I^a|b.c.|382|[[crossed-out]]|3|[[crossed-out]]|2|[[crossed-out]]|N|[[crossed-out]]|K=H|2|-
 17.1|22.4|[[crossed-out]]|I|[[crossed-out]]|I^a|383|[[crossed-out]]|3|[[crossed-out]]|2|[[crossed-out]]|N|[[crossed-out]]|K=H|1|seen
 17.0|23.6|I|I|I|[[crossed-out]]|4|[[crossed-out]]|6|[[crossed-out]]|N|[[crossed-out]]|K=H|2.|-
 16.8|24.1|[[crossed-out]]|?|[[crossed-out]]|I|I|[[crossed-out]]|?|[[crossed-out]]|3|[[crossed-out]]|N|[[crossed-out]]|K=H|2.|- F
 16.5|13.3|I|?|I|I|[[crossed-out]]|2|[[crossed-out]]|4|4|[[crossed-out]]|N|[[crossed-out]]|K=H|K=H|1|1|-
 16.5|21.8|[[crossed-out]]|I|[[crossed-out]]|I|I|4|K=H|2|-.
 16.0|17.5|I|I|[[crossed-out]]|4|[[crossed-out]]|5|5|[[crossed-out]]|K=H|[[crossed-out]]|K=.8H|K=H|1|1|-



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

181

Mean 7

[[9 columned table]]

| No. | R.A. | DEC. | MAG. | | Br. | | |

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

20 9 +61.6|1983|20 9.2[^][[^]]+61[^][[^]]

39|5.8|_||[[underline]]6.4[[/underline]] .8 7.2

[[underline]]~~[[strikethrough]]6.0[[/strikethrough]]5.8[[/underline]]].~~

[[underline]]5.7[[/underline]] [[symbol-check]]

|20 7 +61.6|1975|20 6.6[^][[^]]+61[^][[^]]

39|6.8|_||[[underline]]6.5[[/underline]] .8 7.3

[[underline]]~~[[strikethrough]]6.1[[/strikethrough]]5.9[[/underline]]].~~

[[underline]]5.8[[/underline]] [[symbol-check]]

|20 17 +61.8|2000|20 17.2[^][[^]]+61[^][[^]] 48|5.8|-

|20 32 +81.9|706|20 32.0[^][[^]]+81[^][[^]] 53|7.4|-

[[underline]]~~[[strikethrough]]5.8[[/strikethrough]]~~[[/underline]] .8 6.6

[[underline]]~~[[strikethrough]]5.4[[/strikethrough]]5.2[[/underline]]].~~

[[symbol-check]]

|20 32 +81.9|706|20 32.0[^][[^]]+81[^][[^]] 53|7.4|-

[[underline]]~~[[strikethrough]]6.5[[/strikethrough]]~~[[/underline]] 2.1 8.6

[[underline]]~~[[strikethrough]]7.4[[/strikethrough]]7.2[[/underline]]].~~

[[symbol-check]]

|20 53 +81.9+|718|20 52.8[^][[^]]+81[^][[^]] 59|6.0|

[[underline]]~~[[strikethrough]]5.6[[/strikethrough]]~~[[/underline]] 2.1 7.7

[[underline]]~~[[strikethrough]]6.5[[/strikethrough]]6.3[[/underline]]].~~

[[symbol-check]]

|20 3 +61.6|1970|20 3.2[^][[^]]+61[^][[^]] 34|5.0|-

[[underline]]~~[[strikethrough]]6.9[[/strikethrough]]6.6[[/underline]]].~~ 8} 7.4

7.7 [[underline]]~~[[strikethrough]]6.2 6.5[[/strikethrough]]6.0~~

6.3[[/underline]]]. [[symbol-check]]

|19 35 +71.3|~~[[strikethrough]]2497~~|19 39.6|+52 13|7.1[^][[964|19

35.8[^][[^]]+71[^][[^]] 17|6.7|~~[[strikethrough]]~~-

[[underline]]~~[[strikethrough]]6.5[[/strikethrough]]~~[[/underline]] 1.2 7.7

[[underline]]~~[[strikethrough]]6.5[[/strikethrough]]6.3[[/underline]]].~~

[[symbol-check]]

|19 55 +51.6|2728|19 55.4[^][[^]]+51[^][[^]] 40|6.5|3480 6.0

~~[[strikethrough]]812 -~~

4|~~[[strikethrough]]~~[[/strikethrough]]~~[[strikethrough]]~~[[/strikethrough]]~~[[underline]]6.3[[/underline]]~~ 5 6.8

[[underline]]5.6 6.2 5.4[[/underline]]~~[[strikethrough]]~~]. [[symbol-check]]

|19 52 +52.0|2572|19 51.9[^][[^]]+52[^][[^]]4|55|-|[[underline]]5.7[[/underline]] .5

6.2

[[underline]]~~[[strikethrough]]5.0[[/strikethrough]]4.8[[/underline]]~~[[/underline]]

e]. 5.0[[/underline]] [[symbol-check]]

|20 6 +72.5|934|20|6.2^|+72^|21|7.5|.|6.8 [[underline]]6.7[[/underline]]
 1.3 8.0
 [[underline]]~~6.8~~[[/underline]]~~6.6~~[[underline]]~~6.0~~[[/underline]]~~6.0~~[[symbol-check]]

|19 47 +52.6|2547|19|47.0^|+52^|37|5.3|-|6.6 6.9} .5} 7.1 7.4}
~~5.9 6.2~~[[symbol-check]]

|20.2 +52.7|2623|20|2.4^|+52^|44|5.9|-|6.1 .5 6.6
~~5.4~~[[symbol-dot]]5.4[[symbol-check]]
 |19 56 +63.2|1584|19|56.7^|+63^|9|6.5|-|6.1 .9 7.0
~~5.8~~[[symbol-dot]]5.4[[symbol-check]]
 |19 29 +73.0|863|19|29.5^|+73^|3|7.5|.|6.8 1.3 8.1
~~6.9~~[[symbol-dot]]6.1[[symbol-check]]
 |20 5 +63.6|1597|20|4.9^|+63^|17|7.5|.|6.8 6.9 .9 7.8
~~6.6~~[[symbol-dot]]6.2[[symbol-check]]
 |20 3 +63.5|1593|20|2.9^|+63^|29|6.5|.|6.2 .9 7.1
~~5.9~~[[symbol-dot]]5.5[[symbol-check]]
 |19 18 +73.1|857|19|18.3^|+73^|5|4.4|-|5.8 6.2} 1.3} 7.1 7.5
~~5.9 6.3~~[[symbol-dot]]5.1
 5.5[[symbol-check]]
~~19 36 +63.4~~[[symbol-dot]]19 21.7
 +73.3[[symbol-dot]]1544[[symbol-dot]]860[[symbol-dot]]19[[symbol-dot]]36.2^|+73^|24|7.5|.|6.8 6.9 .9 7.8
~~7.5~~[[symbol-dot]]6.5[[symbol-check]]
 |19 45 +53.4|2303|19|45.5^|+53^|24|7.1|-|6.8 .6 7.4
~~6.2~~[[symbol-dot]]6.1[[symbol-check]]
 |19 18 +73.5|856|19|18.0^|+73^|35|7.8|.|7.1 1.4 8.5
~~7.3~~[[symbol-dot]]6.4[[symbol-check]]
 |20 1
 +64.3[[symbol-dot]]1405[[symbol-dot]]1407[[symbol-dot]]19[[symbol-dot]]20[[symbol-dot]]59.9^|+64^|25|13|5.0|-|6.4 6.7} .8} 7.2 7.5} [[symbol-dot]]6.0
 6.3[[symbol-dot]]5.8 6.1} [[symbol-dot]]5.7 6.0} [[symbol-check]]
 |20 0
 +64.5[[symbol-dot]]1407[[symbol-dot]]1405[[symbol-dot]]20[[symbol-dot]]19[[symbol-dot]]0.8^|+64^|13|25|6.5|-|6.3 6.7} .9} 7.2 7.6} [[symbol-dot]]7.0
 6.4[[symbol-dot]]6.8 6.2} [[symbol-dot]]5.6 6.0} [[symbol-check]]
 |19 2 +73.9|845|19|2.2^|+73^|55|6.8|-|6.5 1.4 7.9
~~6.5~~[[symbol-dot]]5.8[[symbol-check]]
 |19 18 +64.2|1344|19|18.7^|+64^|8|6.5|-|6.2[[underline]]6.2[[underline]] .9
 7.1
~~5.9~~[[symbol-dot]]5.5[[symbol-check]]
 |18 49 +73.9|835|18|49.4^|+73^|54|5.3|-|6.1[[underline]]6.1[[underline]] 1.4
 7.5
~~6.3~~[[symbol-dot]]6.1[[symbol-check]]
 |20 6 +64.8|1415|20|5.9^|+64^|46|7.2|-|7.0 7.0 .9 7.9
~~6.7~~[[symbol-dot]]6.3[[symbol-check]]
 |19 35 +54.6|2193|19|35.4^|+54^|38|5.8|-|6.2 6 6.8
~~5.6~~[[symbol-dot]]5.5[[symbol-check]]
 |19 46 +65.0|1400|19|46.0^|+65^|2|8.2|-|6.6 6.5 9 7.4
~~6.2~~[[symbol-dot]]5.8[[symbol-check]]

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

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

January 16, 1887.

Plate 738.

v|H|Type|No Remarks.|NO. Lines|K|Focus|Other Lines.

15.3|20.2|[[crossed-out]]?[[/crossed-out]]II^a|384|?| [[crossed-out]]N[[/crossed-out]]K=H|1|seen

14.8|15.2|[[crossed-out]]?[[/crossed-out]]I|?|I| [[crossed-out]]2[[/crossed-out]]4 4|[[crossed-out]]N[[/crossed-out]]K=H|1|1|-

14.8|21.2|I|I| [[crossed-out]]3[[/crossed-out]]4 4|N K=H|1|1|-

14.5|22.9|I|I| [[crossed-out]]7[[/crossed-out]]9|N|5|Fseen.

14.2|23.1|I|I| [[crossed-out]]7[[/crossed-out]]9|N|4|Fseen.

14.4|13.4|I|I| [[crossed-out]]5[[/crossed-out]]6|N|2|-

14.1|14.1|[[crossed-out]]I[[/crossed-out]]II^a [[crossed-out]]IIa[[/crossed-out]]385|[[crossed-out]]5[[/crossed-out]]2 [[crossed-out]]g[[/crossed-out]]K=H [[crossed-out]]K=H|2 2| [[crossed-out]]Fseen[[/crossed-out]]

14.2|23.8|I|I| [[crossed-out]]2[[/crossed-out]]4|N|1|-

13.7|23.8|I|I| [[crossed-out]]4[[/crossed-out]]5|N|1|-

14.0|22.0|I|I| [[crossed-out]]5[[/crossed-out]]6|N|2|-

13.5|16.2|I| [[crossed-out]]?[[/crossed-out]]I|I| [[crossed-out]]3[[/crossed-out]]4 4|N K=H|1|1|-

13.5|16.6|I|I| [[crossed-out]]6[[/crossed-out]]8|K=.2H|2|-

13.5|18.8|I|I| [[crossed-out]]2[[/crossed-out]]3|H N K=H|1|1|-

13.0|19.8|I|I| [[crossed-out]]10[[/crossed-out]]9|[[crossed-out]]N[[/crossed-out]]K=H|5|Fseen.

13.0|20.9|I|?|I| 2|H N K=H|1|1|-

12.6|14.7|I|I| 4|H N? K=H|1|1|-

12.6|19.0|[[crossed-out]]II^a[[/crossed-out]]I|I|I| [[crossed-out]]3[[/crossed-out]]2 4|[[crossed-out]]N[[/crossed-out]]K=H N|1|1|[[crossed-out]]seen[[/crossed-out]]-

12.5|20.0|[[crossed-out]]?[[/crossed-out]]IIa? II^a|386|2 2|[[crossed-out]]N[[/crossed-out]]K=H K=H|1|1|-seen

12.5|23.8|I|I| [[crossed-out]]\$[[/crossed-out]]7|[[crossed-out]]N[[/crossed-out]]K=H|1|-

12.1|22.1|[[crossed-out]]?[[/crossed-out]]II|386a IIa|[[crossed-out]]3[[/crossed-out]]2 2|[[crossed-out]]N[[/crossed-out]]K=H K=H|1|1|-seen

12.0|14.9|I|I|I| [[crossed-out]]3[[/crossed-out]]4 4|K=H? K-H|1|1|-

11.9|17.3|I|I|I| [[crossed-out]]7[[/crossed-out]]8|N|4|-

11.6|20.8|[[crossed-out]]I[[/crossed-out]]II^a|387|[[crossed-out]]4[[/crossed-out]]2|K=H|2|-

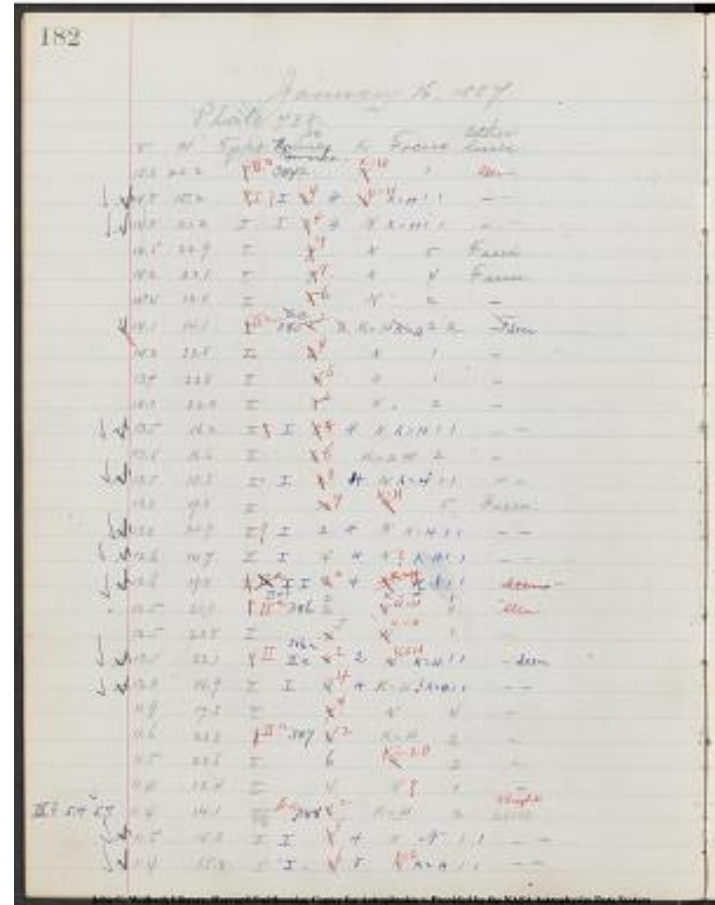
11.5|23.6|I|I| 6|[[crossed-out]]N[[/crossed-out]]K=.2H|2|-

11.4|13.4|I|I| 4|N?|1|-

III? 5.4 5.7|11.4|14.1|III^b.c|388|[[crossed-out]]6[[/crossed-out]]2|K=H|2|Bright seen.

11.5|15.0|I|I|I| [[crossed-out]]3[[/crossed-out]]5 4|N N|1|1|-

11.4|15.8|I|I|I| [[crossed-out]]4[[/crossed-out]]5 5|[[crossed-out]]N[[/crossed-out]]K=H K=H|1|1|-



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 7

[[10 columned table]]

| | NO. | R.A. | DEC. | MAG. | | Br. | | |

~~19 33~~ | +65.2 | 1369 | 19 33.1^{[[]]} | +65^{[[]]} | 13 | 7.5 | -- | 6.9 | .9 7.8
~~[[/del]]~~ | 6.6 | ~~[[/del]]~~ | 6.2 . |
~~19 58~~ | +55.6 | 2307 | 19 58.2^{[[]]} | +55^{[[]]} | 36 | 8.1 | -- | 6.9 6.9 | .6
~~7.5~~ | ~~[[/del]]~~ | 6.3 | ~~[[/del]]~~ | 6.2 . |
~~19 37~~ | +55.5 | 2241 | 19 37.1^{[[]]} | +55^{[[]]} | 26 | 7.0 | . | 6.8 6.9 | .6 7.5
~~[[/del]]~~ | 6.3 | ~~[[/del]]~~ | 6.2 . |
~~19 20~~ | +65.5 | 1345 | 19 19.9^{[[]]} | +65^{[[]]} | 26 | 5.3 | 3345 4.6 12
~~[[/del]]~~ | +6^{[[]]} | -2 0 | ~~[[/del]]~~ | 4.8 | 1.0 5.8
~~[[/del]]~~ | 5.2^{[[]]} | 4.6 | ~~[[/del]]~~ | 4.1 . |
~~18 51~~ | +75.3 | 682 | 18 51.0^{[[]]} | +75^{[[]]} | 16 | 5.8 | 3211 5.6 12
~~[[/del]]~~ | +6^{[[]]} | -2 | ~~[[/del]]~~ | 5.3
~~[[/del]]~~ | 1.5 6.8 | ~~[[/del]]~~ | 5.6 |
~~[[/del]]~~ | 4.6 | ~~[[/del]]~~ |
~~20 6~~ | +65.8 | 1433 | 20 5.8^{[[]]} | +65^{[[]]} | 53 | 7.0 | . | 6.4 | 1.0 7.4
~~[[/del]]~~ | 6.2 | ~~[[/del]]~~ | 5.7 . |
~~[[/del]]~~ | 20 4 | ~~[[/del]]~~ | 20 2.2 | ~~[[/del]]~~ | +76.0
~~[[/del]]~~ | +55.9 | ~~[[/del]]~~ | 771 | ~~[[/del]]~~ |
~~[[/del]]~~ | 20 3.6 | ~~[[/del]]~~ | 20 2.1^{[[]]} |
~~[[/del]]~~ | +76 4 | ~~[[/del]]~~ | 55 | ~~[[/del]]~~ |
~~6.0~~ | ~~[[/del]]~~ | 6.5 | -- | ~~[[/del]]~~ | 6.3 | ~~[[/del]]~~ | 6.4
~~1.5 7.9~~ | ~~[[/del]]~~ | 6.7 | ~~[[/del]]~~ | 5.7 . |
~~19 27~~ | +55.8 | 2213 | 19 27.5^{[[]]} | +55^{[[]]} | 50 | 6.3 | . | ~~[[/del]]~~
~~6.5~~ | ~~[[/del]]~~ | 6.7 1 | ~~[[/del]]~~ | 5.9
~~[[/del]]~~ | 5.7 | ~~[[/del]]~~ |
~~[[/del]]~~ | 19 27 | ~~[[/del]]~~ | 18 46 | ~~[[/del]]~~ |
~~55.8~~ | ~~[[/del]]~~ | 75.2 | ~~[[/del]]~~ | 2215 | ~~[[/del]]~~ |
~~[[/del]]~~ | 19 28.2 | ~~[[/del]]~~ | 18 46.0^{[[]]} |
~~[[/del]]~~ | +55 25 | ~~[[/del]]~~ | 9 | ~~[[/del]]~~ |
~~6.3~~ | ~~[[/del]]~~ | 7.5 | . | ~~[[/del]]~~ | 6.3 | ~~[[/del]]~~ | 1.5 7.8
~~[[/del]]~~ | ~~[[/del]]~~ | 6.6 | ~~[[/del]]~~ | 5.6
~~[[/del]]~~ | DM 678 +75°
~~18 58~~ | +75.8 | 683 | 18 58.4^{[[]]} | +75^{[[]]} | 35 | 6.5 | . | 5.9 | 1.5 7.4
~~[[/del]]~~ | 6.2 | ~~[[/del]]~~ | 5.2 . |
~~19 51~~ | +66.3 | 1253 | 19 51.8^{[[]]} | +66^{[[]]} | 19 | 7.0 | . | 6.7 6.8 | 1.0
~~7.8~~ | ~~[[/del]]~~ | 6.6 | ~~[[/del]]~~ | 6.1 . |
~~19 53~~ | +56.3 | 2331 | 19 53.2^{[[]]} | +56^{[[]]} | 18 | 6.3 | -- | 6.1 | .6 6.7
~~[[/del]]~~ | 5.5 | ~~[[/del]]~~ | 5.4 . |
~~19 38~~ | +66.0 | 1225 | 19 38.9^{[[]]} | +66^{[[]]} | 8 | 7.9 | . | 6.9 6.9 | 2.0 8.9
~~[[/del]]~~ | 7.7 | ~~[[/del]]~~ | 6.2 . |
~~19 14~~ | +76.4 | 717 | 19 14.4^{[[]]} | +76^{[[]]} | 19 | 5.5 | -- | 4.8 | 1.6 6.4
~~[[/del]]~~ | 5.2 | ~~[[/del]]~~ | 4.1 . |
~~19 38~~ | +56.4 | 2283 | 19 37.6^{[[]]} | +56^{[[]]} | 23 | 7.8 | . | 7.0 7.2 | .6 7.8
~~[[/del]]~~ | 6.6 | ~~[[/del]]~~ | 6.5 . |
~~19 59~~ | +56.6 | 2344 | 19 59.8^{[[]]} | +56^{[[]]} | 41 | 7.2 | . | 6.7 6.3 | .7 7.0
~~[[/del]]~~ | 5.8 | ~~[[/del]]~~ | 5.6 . |
~~19 44~~ | +56.7 | 2304^{[[]]} | 2303 | ~~[[/del]]~~ | 19
~~44.5~~ | ~~[[/del]]~~ | 19 44.5 | ~~[[/del]]~~ | +56
~~33~~ | ~~[[/del]]~~ | 56⁴ | 45 | ~~[[/del]]~~ | 7.0 | ~~[[/del]]~~ |
~~7.5~~ | ? | ~~[[/del]]~~ | 6.7 6.9 | .6 7.5 | ~~[[/del]]~~ | 6.3
~~[[/del]]~~ | 6.1 | 6.2 . |
~~19 41~~ | +56.6 | 2291 | 19 40.7^{[[]]} | +56^{[[]]} | 41 | 6.3 | -- | 5.8 5.5 | .7
~~7.3~~ | ~~[[/del]]~~ | 6.1 | ~~[[/del]]~~ | 5.9 |
~~19 27~~ | +56.3 | 2250 | 19 27.3^{[[]]} | +56^{[[]]} | 20 | 6.9 | -- | ~~[[/del]]~~
~~6.4~~ | ~~[[/del]]~~ | 6.7 0 | ~~[[/del]]~~ | 5.8
~~[[/del]]~~ | 5.6 | 5.7 | ~~[[/del]]~~ |

The image shows a handwritten astronomical table on aged paper. The table has five main columns: NO., R.A., DEC., MAG., and Br. The entries are handwritten in ink, with some corrections and annotations. The table is organized into rows, with some rows having multiple entries in the same column. The handwriting is somewhat cursive and there are some ink blots and corrections throughout the table.

| 19 33 | +56.6 | 2272 | 19 33.0[^] | +56[^] 40 | 6.5 | -- | 6.7 6.6 | .7
 7.3 ~~6.1~~ [^]5.9 | 5.9 . |
 | 19 58 | +67.1 | 1216 | 19 58.3[^] | +67[^] 4 | 7.4 | -- | 6.7 6.7 | 1.0
 7.7 ~~6.5~~ [^]6.3 | 6.0 . |
 | 19 50 | +57.1 | 2084 | 10 50.3[^] | +57[^] 8 | 5.4 | 3455 5.1 10
~~5.4~~ [^]4.1 | 4.7 . |
 5.1[^]4.9 | 4.7 . |
 | 19 4 | +76.8 | 712 | 19 3.9[^] | +76[^] 50 | 6.5 | -- | 6.1 | 1.6 7.7
~~6.5~~ [^]6.3 | 5.4 . |
 | 19 14 | +66.9 | 1179 | 19 13.8[^] | +66[^] 52 | 7.5 | -- | 6.4
6.2
~~6.2~~ [^]6.0 | 5.7 5.7 . |
 | 20 5 | +57.4 | 2144 | 20 4.7[^] | +57[^] 23 | 7.2 | | 6.6 | .7 7.3
~~6.1~~ [^]5.9 | 5.9 . |
 | 20 2 | +67.5 | 1222 | 20 2.2[^] | +67[^] 27 | 5.1 | -- | [^]5.7 6.0 |
 1.0} [^]6.7 ~~5.5~~ [^]7.0 ~~5.8~~
~~5.6~~ [^]5.3 | 5.6 | [^]5.6 5.3 . |
 | 18 59 | +57.3 | 2115 | 19 58.7[^] | +57[^] 15 | 7.7 | . | 6.8 6.8 | .7 7.5
~~6.3~~ [^]6.1 | 6.1 . |
 | 19 56 | +57.4 | 2106 | 19 56.0[^] | +57[^] 25 | 7.5 | -- | 6.5 6.5 | .7
 7.2 ~~6.0~~ [^]5.8 | 5.8 . |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

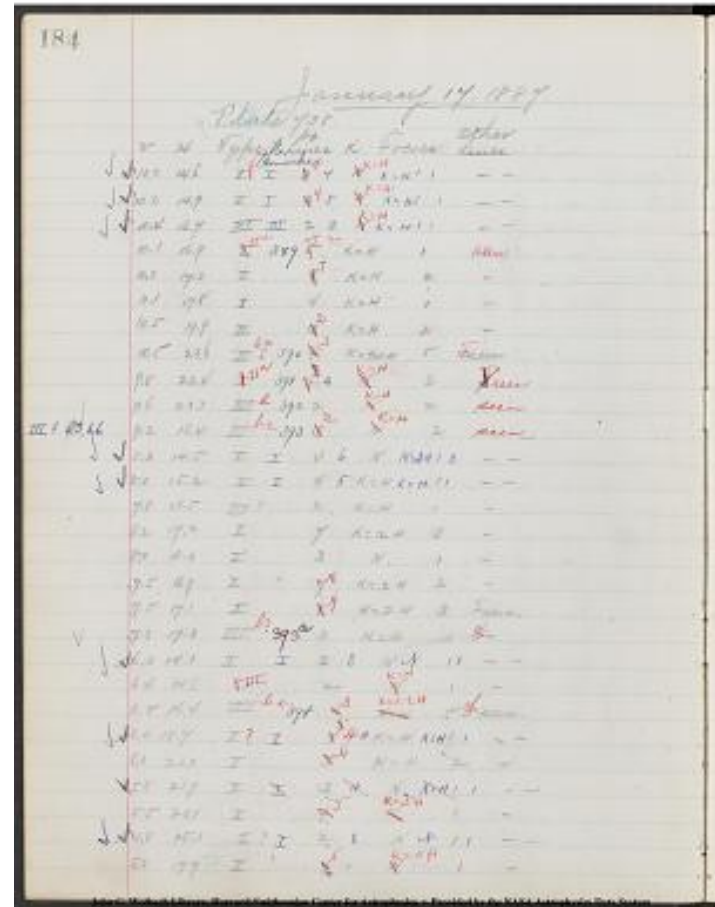
January 17, 1887.

Plate 738.

[8 columned table]

V|H|Type No.|Remarks|No. Lines|K|Focus|Other Lines|

| V | H | Type No. | Remarks | No. Lines | K | Focus | Other Lines |
|----------------|-------------------|----------------|----------------|---------------|----------------|----------------|--------------|
| 10.0 | 14.6 | I | 3 4 | 4 | 4 | | |
| N | K=H | K=H | 1 1 | - | - | | |
| 10.0 | 14.9 | I | 3 4 | 5 | 5 | | |
| N | K=H | K=H | 1 1 | - | - | | |
| 10.4 | 16.7 | III | 2 2 | N | K=H | 1 1 | - |
| 10.1 | 16.9 | I | 1 | IIa | 389 | | |
| 5 | 3 | 3 | | | | | |
| 2 | K=H | 1 | seen | | | | |
| 10.0 | 17.0 | II | 4 7 | K=H | 2 | - | |
| 10.1 | 17.8 | II | 4 | K=H | 1 | - | |
| 10.5 | 19.9 | III | 3 2 | K=H | 2 | - | |
| 10.5 | 23.6 | III | b.c.? | 390 | 4 | K=2.0H | 5F seen |
| 9.8 | 22.4 | IIa | 391 | | | | |
| 2 | 3 | 3 | | | | | |
| N | K=H | 2 | | | | | |
| F | seen | | | | | | |
| 9.6 | 23.3 | IIIb | 392 | 2 | K=H | 2 | seen |
| III? | 6.3, 6.6 | 9.2 | 16.4 | III | b.c. | 393 | 3 |
| N | K=H | 2 | seen | | | | |
| 8.3 | 14.5 | II | 4 | 6N | K=.2H | 1 | 2 |
| 8.0 | 15.2 | II | 4 | 5 | K=H | K=H | 1 1 |
| 7.8 | 13.5 | III? | 2 | K=H | 1 | - | |
| 8.2 | 17.2 | II | 7 | K=.2H | 3 | - | |
| 8.0 | 18.3 | II | 3 | N | 1 | - | |
| 7.5 | 16.9 | II | 8 | K=.2H | 2 | - | |
| 7.5 | 17.1 | II | 8 | K=.2H | 3 | F seen. | |
| 7.3 | 19.3 | III | b? | 393a | 3 | K=H | 3F - |
| 6.0 | 14.1 | I | 3 | 3N | N | 1 | 1 |
| 6.4 | 14.6 | II | ? | II | 2 | | |
| N | K=H | 1 | - | | | | |
| 6.5 | 16.4 | III | b.c. | 394 | 4 | | |
| K=H | K=1.2H | 5F | seen | | | | |
| 6.0 | 18.7 | I? | I | | | | |
| 4 | K=H | K=H | 1 1 | - | - | | |
| 6.0 | 20.0 | II | 5 6 | K=H | 2 | - | |
| 5.8 | 21.9 | I | 3 | | | | |
| N | K=H | 1 1 | - | | | | |
| 5.5 | 20.1 | II | 4 | | | | |
| N | K=5H | 1 | - | | | | |
| 4.8 | 15.1 | I? | 2 | 3N | N | 1 | 1 |
| 5.0 | 17.7 | II | 4 | | | | |
| N | K=5H | 1 | - | | | | |



Mean 7

[[9 columned table]]
 |No.|R.A|DEC.|MAG.| |Br.| | |

 19 59 +68.0|1097|19 59.7|+68 4|7.5|-|6.8 6.9|1.1 8.0~~[[6.8~~
~~[[6.6|6.2|~~
 19 58 +68.0|1096|19 58.2|+68 2|7.5|-|6.8 6.9|1.1 8.0~~[[6.8~~
~~[[6.6|6.2|~~
 19 53 +57.8|2092|19 52.5|+57 52|6.3|-|6.7[^][[6.5]] 6.8[^][[6.5]]|.7
 7.5[^][[7.2]]~~[[6.3[^][[6.3]]]]~~
 6.1[^][[5.8]]|6.1[^][[5.8]]|
 19 36 +77.9|734|19 36.2|+77 57|7.0|-|6.3|1.7
 8.0~~[[6.8[^][[6.6]]]]~~5.6|
 19 46 +68.1|1082|19 46.6|+68 4|6.4|-|6.3|1.1 7.4 ~~[[6.2~~
~~[[6.0|5.6|~~
 19 27 +77.8|728|19 27.5|+77 53|7.8|-|6.5|1.7 8.3 ~~[[7.1~~
~~[[6.9|5.9|~~
 19 40 +57.6|2057|19 40.4|+57 40|6.2|-|6.5|7 7.2 ~~[[6.0~~
~~[[5.8|5.8|~~
 19 12 +67.4|1129|19 12.5|+67 24|3.4|-|4.9[[5.9
1.0 5.9
~~[[4.7[^][[4.5[^]]]]]~~
 18 44 +77.6|702|18 44.5|+77 32|7.0|-|6.4|1.7 8.1 ~~[[6.9~~
~~[[6.7|5.7|~~
 18 37 +77.5|699|18 36.8|+77 25|6.5|-
6.0[^][[6.3[^]]]1.7 8.0[^][[7.7]]
6.8[^][[6.5[^]]]~~[[5.3[^]]]~~
6.6[^][[6.3[^]]]~~[[5.3[^]]]~~
 19 53 +58.5|2013|19 53.2|+58 28|5.1|-|6.3 6.6|.7 7.3[^][[7.3]]
~~[[6.1[^][[5.8]]]]~~59.[^][[5.6]]5.9[^][[5.6]]|
 19 59 +68.9+|1086|19 59.7|+69 0|7.8|.6 6.5|1.1 7.6
~~[[6.4[^][[6.2|5.8|~~
 19 52 +79.2~~[[648]]~~645~~[[645]]~~19
 54.1~~[[19 51.7]]~~+79 5~~[[19 51.7]]~~
 10~~[[7.0]]~~7.5|-|6.5 6.5|1.8 8.3
~~[[7.1]]~~6.9|5.8|
 20 10 +79.3|660|20|9.8|+79|16|6.5|_||6.4, 6.6|{1.8}|8.2,
 8.4|~~[[7.0, 7.2]]~~{6.8, 7.0}|{5.7, 5.9}|
 19 45
 +68.9|1079|19|44.5|+68~~[[69]]~~60~~[[60]]~~
~~[[5.7|1.1|6.8|5.4]]~~5.6~~[[5.0|~~
 19 46
 +59.0|2121|19|45.7|+59|.3|6.5|.6.8|.7|7.5|6.1~~[[6.3]]~~
 19 51
 +59.3|2137|19|51.0|+59|19|5.8|_||6.0|.7|6.7|5.3~~[[5.5]]~~
 19 30
 +79.3|628|19|30.4|+79|18|6.3|_||5.1|1.8|6.9|5.5~~[[5.7]]~~
 19 32
 +69.4|1053|19|32.6|+69|25|5.0|_||5.2, 5.4|1.1, 1.1|6.3, 6.5|{4.9, 5.1~~[[5.3]]~~
 20 2
 +70.0|1102|20|1.9|+70|3|8.1|_||7.1, 7.0|1.2|8.2|6.8~~[[7.0]]~~

kethrough]]6.3.
 19 58
 +69.9|1084|19|59.1|+69|58|6.5|_||{6.4,6.6}|{1.1}|{7..5,7.7}|{6.3,6.5}|{6.1,6.
 3}|{5.7,5.9};|
 19 48
 +69.9|1070|19|48.6|+69|53|3.8|_||{5.0,5.3}|{1.2}|{6.2,6.5}|{4.8,5.1|[[striketh
 rough]]5.0,5.3|[/strikethrough]]|{4.3,4.6}.|
 19 35
 +69.9|1057|19|35.0|+69|56|8.2|_||6.9,7.0|1.2|8.2|6.8|[[strikethrough]]7.0|[/
 strikethrough]]6.3.|
 18 56
 +79.8|604|18|55.8|+79|46|6.5|_||5.9|1.9|7.8|6.0|[[strikethrough]]6.2|[/strike
 through]]5.2.|
 18 37.7 +79
 42|591|18|37.7|+79|42|7.8|.|[[strikethrough]]6.3|[/strikethrough]]6.4|.7|7.1
 |5.7|[[strikethrough]]5.9|[/strikethrough]]5.7.|
 |19 38+60.2|1991|19|38.0|+60|10|6.5|_||6.5|.9 7.3
 |[[strikethrough]]5.9|[/strikethrough]]5.8.|
 |19 58+60.6|2070|19|58.0|+60|41|7.5| |7.2 7.2|.8 8.0
 |[[strikethrough]]6.6|[/strikethrough]]6.5.|
 |19 19+80.5|609|19|18.9|+80|30|7.1|_||6.4|2.0 8.4
 |[[strikethrough]]7.0|[/strikethrough]]5.7.|

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

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

Mean 7.

[[9 columned table]]

| No. | R.A. | DEC. | MAG. | Br. | | |

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

19 18 +80.5|607|19 17.7|+80 28|7.2|-|7.1^[[6.9]]|2.0} 9.1^[[8.9

[[~~6.9~~]]7.9^[[7.7]]|[[~~6.9~~]] 7.7^[[7.5]]|6.4^[[6.2]]|

19 48 +60.8|2026|19 48.1|+60 50|6.1|-|6.9|8 7.7

[[~~6.9~~]]6.5|[[~~6.9~~]]6.3|6.2|

19 8 +80.7|603|19 7.7|+80 42|8.2|-|7.0|2.0 9.0

[[~~6.9~~]]7.8|[[~~6.9~~]]7.6|6.3|

19 32 +70.7|1273|19 32.1|+70 41|6.3|-|7.0^[[6.6]]|7.0^[[6.6]]|1.2}

8.2^[[7.8]]

[[~~6.9~~]]7.0^[[6.6]]|[[~~6.9~~]]6.8^[[6.4]]|6.3^[[5.9]]|18 11 +79.9|571|18 11.0|[[~~6.9~~]]+80 0|[[~~6.9~~]]7960|6.5|-|[[6.5]]5.3|[[6.5]]1.9 7.2[[6.5]]|[[~~6.9~~]]6.0|[[~~6.9~~]]5.8|4.6|[[6.5]]|

19 36 +71.3|964|19 35.8|+71 17|6.7|-|6.4|1.2 7.6

[[~~6.9~~]]5.7|[[~~6.9~~]]6.2|5.7|

20 3 +61.5|1970|20 3.2|+61 34|5.0|6.8^[[6.5]]|.8} 7.6^[[7.3]]

[[6.5]]|[[~~6.9~~]]6.4^[[6.1]]|[[~~6.9~~]]6.2^[[5.9]]|6.1^[[5.8]]|[[6.5]]|19 28 +81.6|660|19 28.3|+81 39|8.0|-|[[6.5]]6.7|[[6.5]]|2.18.8 7.6 [[~~6.9~~]]7.6|[[~~6.9~~]]7.4|6.0|

[[equation]]

[[equation]]

[[equation]]

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

187

| No. | R.A. | Dec. | MAG. | Br. | | |
|-------|-------|------|---------|---------------------------|------------------------|---|
| 19 18 | +80.5 | 607 | 19 17.7 | +80 28 | 7.2 | - 7.1^[[6.9]] 2.0} 9.1^[[8.9 |
| | | | | | | [[6.9]]7.9^[[7.7]] [[6.9]] 7.7^[[7.5]] 6.4^[[6.2]] |
| 19 48 | +60.8 | 2026 | 19 48.1 | +60 50 | 6.1 | - 6.9 8 7.7 |
| | | | | | | [[6.9]]6.5 [[6.9]]6.3 6.2 |
| 19 8 | +80.7 | 603 | 19 7.7 | +80 42 | 8.2 | - 7.0 2.0 9.0 |
| | | | | | | [[6.9]]7.8 [[6.9]]7.6 6.3 |
| 19 32 | +70.7 | 1273 | 19 32.1 | +70 41 | 6.3 | - 7.0^[[6.6]] 7.0^[[6.6]] 1.2} |
| | | | | | | 8.2^[[7.8]] |
| | | | | | | [[6.9]]7.0^[[6.6]] [[6.9]]6.8^[[6.4]] 6.3^[[5.9]] |
| 18 11 | +79.9 | 571 | 18 11.0 | [[6.9]]+80 0 | [[6.9]]79 | |
| | | | | | | 60 6.5 - [[<u>6.5</u>]]5.3 [[<u>6.5</u>]]1.9 7.2 |
| | | | | | | [[<u>6.5</u>]] [[6.9]]6.0 [[6.9]]5.8 4.6 [[<u>6.5</u>]] |
| 19 36 | +71.3 | 964 | 19 35.8 | +71 17 | 6.7 | - 6.4 1.2 7.6 |
| | | | | | | [[6.9]]5.7 [[6.9]]6.2 5.7 |
| 20 3 | +61.5 | 1970 | 20 3.2 | +61 34 | 5.0 | 6.8^[[6.5]] .8} 7.6^[[7.3]] |
| | | | | | | [[<u>6.5</u>]] [[6.9]]6.4^[[6.1]] [[6.9]]6.2^[[5.9]] 6.1^[[|
| | | | | | | 5.8]] [[<u>6.5</u>]] |
| 19 28 | +81.6 | 660 | 19 28.3 | +81 39 | 8.0 | - [[<u>6.5</u>]]6.7 [[<u>6.5</u>]] 2.1 |
| | | | | | | 8.8 7.6 [[6.9]]7.6 [[6.9]]7.4 6.0 |

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
 Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

January 16, 1887

Plate 770.

|V|H|Type|No. Remarks|No. Lines|K|Focus|Other Lines|

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

21.9|17.4|I|4|~~[[[strikethrough]]N[[strikethrough]]K=H2|1|-]~~20.8|8.4|II|~~[[[strikethrough]]5[[strikethrough]]~~7|~~[[[strikethrough]]N[[strikethrough]]K=.2H|2]~~

19.8|15.5|II|2|N|1|-|

19.5|20.7|III|243|2|N|1|-|

17.0|10.1|II|6|K=.2H|2|-|

16.1|10.6|II|~~[[[strikethrough]]4|/strikethrough]5|/strikethrough]N|/strikethrough~~

h|K=.5H|1|-|

14.6|7.5|II|~~[[[strikethrough]]4|/strikethrough]5|N|1|-]~~14.5|23.0|II|~~[[[strikethrough]]5|/strikethrough]6|/strikethrough]N|/strikethrough~~

h|K=.1H|2|-|

14.4|23.2|II|5|N|2|-|

14.0|12.0|II|~~[[[strikethrough]]7|/strikethrough]8|/strikethrough]K=.5H|/striket~~

hrough|K=.3H|3|-|

14.0|22.1|II|4|N|1|-|

13.5|16.4|II|3|N|1|-|

13.2|11.4|II|~~[[[strikethrough]]2|/strikethrough]3|N|1|-]~~13.3|6.3|II|~~[[[strikethrough]]3|/strikethrough]4|/strikethrough]N|/strikethrough~~

J|K=H|1|-|

13.0|19.9|II|~~[[[strikethrough]]6|/strikethrough]7|K=H|2|F?]~~ 11.8|13.0|II|~~[[[strikethrough]]8|/strikethrough]10|/strikethrough]?|/strikethrou~~

gh|K=.1H|4|F|

12.0|17.4|II|~~[[[strikethrough]]6|/strikethrough]7|N|2|?]~~ 11.5|14.2|III|~~[[[strikethrough]]? 244|2|N|I|-]~~10.5|23.8|III|245|~~[[[strikethrough]]5|/strikethrough]2|K=2.5H|3|F?]~~ 10.1|7.2|II|~~[[[strikethrough]]4|/strikethrough]5|N|1|-]~~

8.1|10.5|II|3|N|1|-|

8.4|17.4|II|~~[[[strikethrough]]4|/strikethrough]5|/strikethrough]N|/strikethrough~~

J|K=.2H|1|-|

7.6|17.1|II|~~[[[strikethrough]]4|/strikethrough]3|N|1|-]~~7.5|17.3|II|~~[[[strikethrough]]5|/strikethrough]6|K=.2H|2|-]~~7.4|9.4|~~[[[strikethrough]]II|/strikethrough]III|3|K=H|1|?]~~

6.6|16.6|III

b.c.246|~~[[[strikethrough]]5|/strikethrough]3|/strikethrough]2|/strikethrough]K~~

=H|/strikethrough]K=1.2H|3|Bright ?|

6.0|20.1|II|~~[[[strikethrough]]2|/strikethrough]4|/strikethrough]N|/strikethrough~~

J|K=4|1|-|

6.0|12.5|II|~~[[[strikethrough]]4|/strikethrough]5|/strikethrough]N|/strikethrough~~

J|K=.2H|1|-|

Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
 Transcribed and Reviewed by Digital Volunteers
 Extracted Dec-02-2022 11:19:31

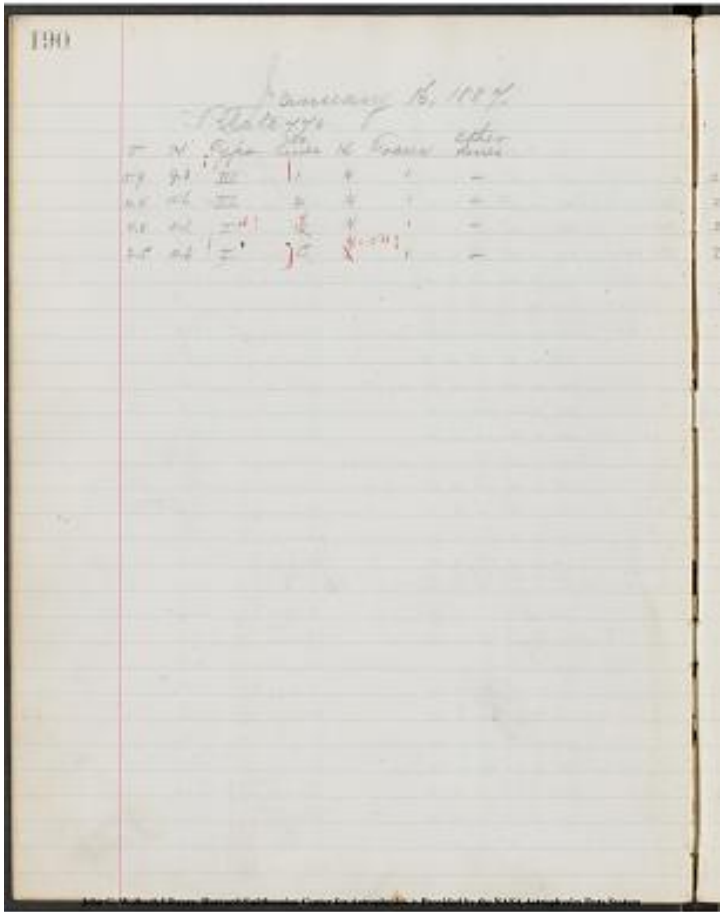
[11 columned table]

| | | | | | | | | | | | | | | |
|--|---|--------|---------|-------|-------|-------|-------|-----|-----|-----|------|-----|-----|-----|
| [No.] | [R.A.] | [Dec.] | [Mag.] | [Br.] | [Br.] | [Br.] | [Br.] | | | | | | | |
| 19 52 | +52.1 | 2572 | 19 51.9 | +52.4 | 555 | -16.9 | 5.7 | 4.5 | 2.5 | 3.1 | | | | |
| 20 27 | +62.5 | 1821 | 20 27.2 | +62.3 | 114 | 0.0 | -16.5 | 5.8 | 7.3 | 5.1 | 14.9 | | | |
| 19 56 | +63.1 | 1584 | 19 56.7 | +63.9 | 6.5 | -17.3 | 9.8 | 2.6 | 0.4 | 9.8 | | | | |
| 19 18 | +73.1 | 857 | 19 18.3 | +73.5 | 4.4 | -16.8 | 7.1 | 1.3 | 8.1 | 8.4 | 5.9 | 6.2 | 5.2 | 5.5 |
| 20 33 | +74.4 | 2329 | 20 33.4 | +74.2 | 65 | 5.5 | -16.5 | 1.4 | 7.9 | 5.7 | 4.9 | | | |
| 20 | [[strikethrough]]56[[/ strikethrough]]] 26 | | | | | | | | | | | | | |
| [[strikethrough]]+75.4[[/ strikethrough]]+55.6[[strikethrough]]764[[/ strikethrough]]2411[[strikethrough]]20 56.5[[/ strikethrough]]20 | | | | | | | | | | | | | | |
| 25.8[[strikethrough]]+75[[/ strikethrough]]+55[[strikethrough]]21[[/ strikethrough]]35[[strikethrough]]6.0[[/ strikethrough]]6.0[[strikethrough]]3702 63 | | | | | | | | | | | | | | |
| 21-1[[/ strikethrough]] | | | | | | | | | | | | | | |
| 19 20 +65.5 1345 19 19.9 +65 26 5.3 - | | | | | | | | | | | | | | |
| [[<u>underline</u>]]5.8[[/ <u>underline</u>]]1.0 6.8 [[<u>underline</u>]]4.6[[/ <u>underline</u>]][[<u>underline</u>]]4.2[[/ <u>underline</u>]] | | | | | | | | | | | | | | |
| 18 51 +75.3 682 18 51.0 +75 16 5.8 3211 5.6 | | | | | | | | | | | | | | |
| 23+1 [[<u>underline</u>]]6.4 [[/ <u>underline</u>]]1.5 7.9 [[<u>underline</u>]]5.7[[/ <u>underline</u>]] [[<u>underline</u>]]4.8 [[/ <u>underline</u>]] | | | | | | | | | | | | | | |
| 20 10 +56.1 2376 20 10.0 +56 8 4.5 - 5.9 6 6.5 4.3 4.3 | | | | | | | | | | | | | | |
| 18 58 +75.6 683 18 58.4 +75 35 6.5 7.0 1.5 8.5 6.3 5.4 | | | | | | | | | | | | | | |
| 19 53 +56.3 2331 19 53.2 +56 18 6.3 3469 6.1 19 3 7.4 6 8.0 5.8 5.8 | | | | | | | | | | | | | | |
| 20 16 +66.4 1281 20 16.1 +66 23 62 3559 62 23+1 7.5 1.0 8.5 6.3 59 | | | | | | | | | | | | | | |
| 20 41 +66.2 1318 20 41.4 +66 8 5.5 - | | | | | | | | | | | | | | |
| [[<u>underline</u>]]6.9 [[/ <u>underline</u>]]1.0 7.9 [[<u>underline</u>]]5.7[[/ <u>underline</u>]] [[<u>underline</u>]]5.3 [[/ <u>underline</u>]] | | | | | | | | | | | | | | |
| 19 14 +76.3 717 19 14.4 +76 19 5.5 _ 6.2 1.6 78 5.6 4.6. | | | | | | | | | | | | | | |
| 20 13 +77.3 764 20 13.8 +77 16 4.8 _ 4.7 1.6 6.3 4.1 3.1. | | | | | | | | | | | | | | |
| 19 50.5 +57.1 2084 19 50.6 +57 8 5.4 _ 6.4 1.0 7.4 5.2 4.8. | | | | | | | | | | | | | | |
| [[strikethrough]] 19 45 | | | | | | | | | | | | | | |
| +67.1 +200 19 45.6 +67 7 7.4 _ 6.0 1.0 [[/ strikethrough]] | | | | | | | | | | | | | | |
| [[strikethrough]] 841 19 50.2 +74 56 8.8 ? [[/ strikethrough]] | | | | | | | | | | | | | | |
| 20 2 | | | | | | | | | | | | | | |
| +67.4 1222 20 2.2 +67 27 5.1 _ {7.0,7.3} {1.0} {8.0,8.3} {5.8,6.1} {5.4,5.7} | | | | | | | | | | | | | | |
| . | | | | | | | | | | | | | | |
| 19 12 | | | | | | | | | | | | | | |
| +67.4 1129 19 12.5 +67 24 3.4 _ {5.7,6.0} {1.0} {6.7,7.0} {4.5,4.8} {4.1,4.4}. | | | | | | | | | | | | | | |
| 4). | | | | | | | | | | | | | | |
| 21.8 +77.5 800 21 8.4 +77 32 6.1 3733 5.8,27+5 6.8 1.7 8.5 6.3 5.2. | | | | | | | | | | | | | | |
| 20 42 +78.9 716 20 41.6 +78 54 6.9 7.1 1.8 8.9 6.7 5.5. | | | | | | | | | | | | | | |
| 19 44 +68.9 1079 19 44.5 68 60 6.2 _ 6.7 1.1 7.8 5.6 5.1. | | | | | | | | | | | | | | |
| 19 51 +59.3 2137 19 51.0 +59 19.5 8 3457 6.0,16.6 6.9 7 7.6 5.4 5.3. | | | | | | | | | | | | | | |
| 19 30 +79.3 628 19 30.4 +79 18 6.3 _ 6.5 1.8 8.3 6.1 4.9. | | | | | | | | | | | | | | |
| 19 32 | | | | | | | | | | | | | | |
| +69.4 1053 19 32.6 +69 25 5.0 _ {6.6,6.8} {1.1} {7.7,7.9} {5.5,5.7} {5.0,5.2}. | | | | | | | | | | | | | | |
| 2). | | | | | | | | | | | | | | |
| 19 48 | | | | | | | | | | | | | | |
| +69.9 1070 19 48.6 +69 53 3.8 _ {6.0,6.3} {1.2} {6.2,7.5} {4.0,5.3} {4.4,4.7} | | | | | | | | | | | | | | |
| . | | | | | | | | | | | | | | |
| 19 38 +60.2 1991 19 38.0 +60 10 6.5 _ 7.1 8.7 9.5 7.5.5. | | | | | | | | | | | | | | |
| 20 22 +80.1 650 20 22.6 +80 4 6.8 _ 6.9 1.9 8.8 6.6 5.3. | | | | | | | | | | | | | | |

January 16, 1887.
Plate 770.

[[7 column table]]
| v | H | Type | No. Lines | K | Focus | Other Lines |
| --- | --- | --- | --- | --- | --- | --- |

| 5.9 | 9.8 | III | 1 | N | 1 | - |
| 4.4 | 11.6 | III | 2 | N | 1 | - |
| 4.0 | 8.1 | d? | ~~3~~ ~~4~~ | N | 1 | - |
| 2.5 | 10.6 | I | 5 | ~~?~~ ~~K=.5H?~~ | 1 | - |



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

191

Mean 16

[[left margin]]No. | R.A. | Dec. | MAG. | Br

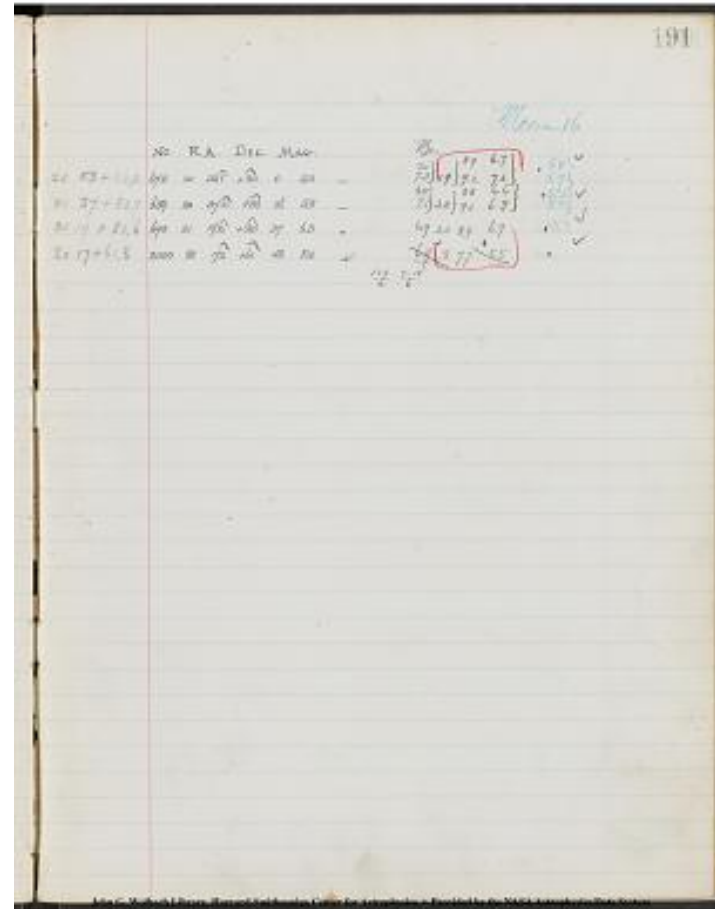
20 53+80.0|672|20 54.1[[symbol]]+80[[symbol]]|0 5.3 _| 7.0 7.3}
[[symbol]]1.9}8.9 9.2 6.7 7.0} [[/symbol]][[symbol-period]] 5.4 5.7}
[[symbol-tick]]

20 37+80.9|659|20 37.2[[symbol]]+80[[symbol]]|56 5.8 _| 6.8 7.1}
2.0}8.8 9.1 6.6 6.9}[[symbol-period]] 5.2 5.5} [[symbol-tick]]

21 19 +80.6|690|21 19.2[[symbol]]+80[[symbol]]|37 6.3 .| 6.9 2.0 8.9 6.7
[[symbol-period]] 5.3 [[symbol-tick]]

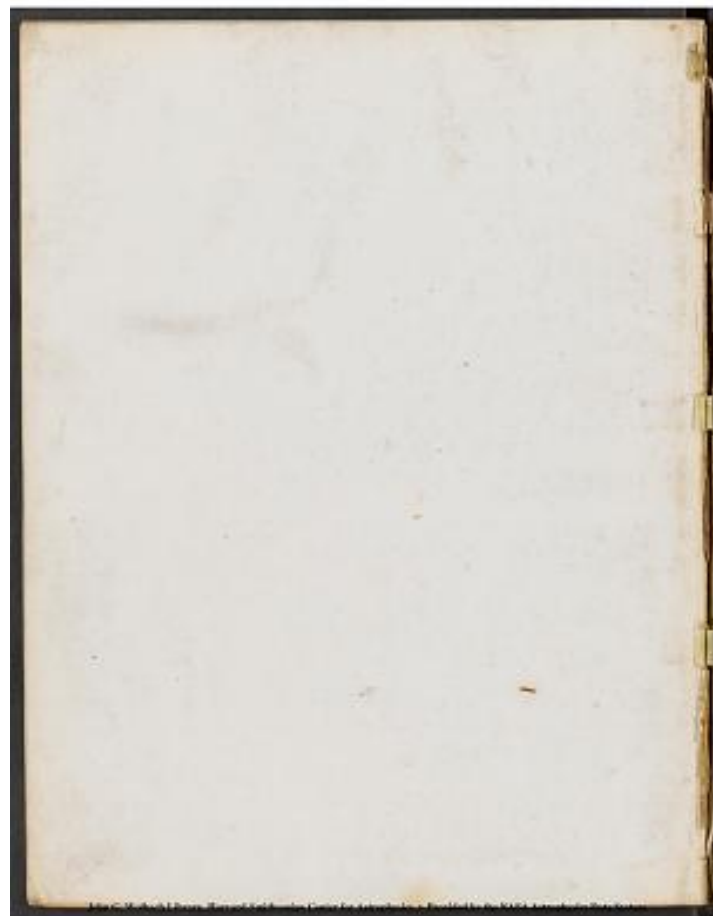
20 17+61.8|2000|20 17.2[[symbol]]+61[[symbol]]|48 5.8 _|
[[strikethrough]]6.9[[/strikethrough]] [[symbol]].8 7.7
[[strikethrough]]5.5[[/strikethrough]][[symbol]][[symbol-period]] [[symbol-
tick]]

129/6 . (7-10)/6



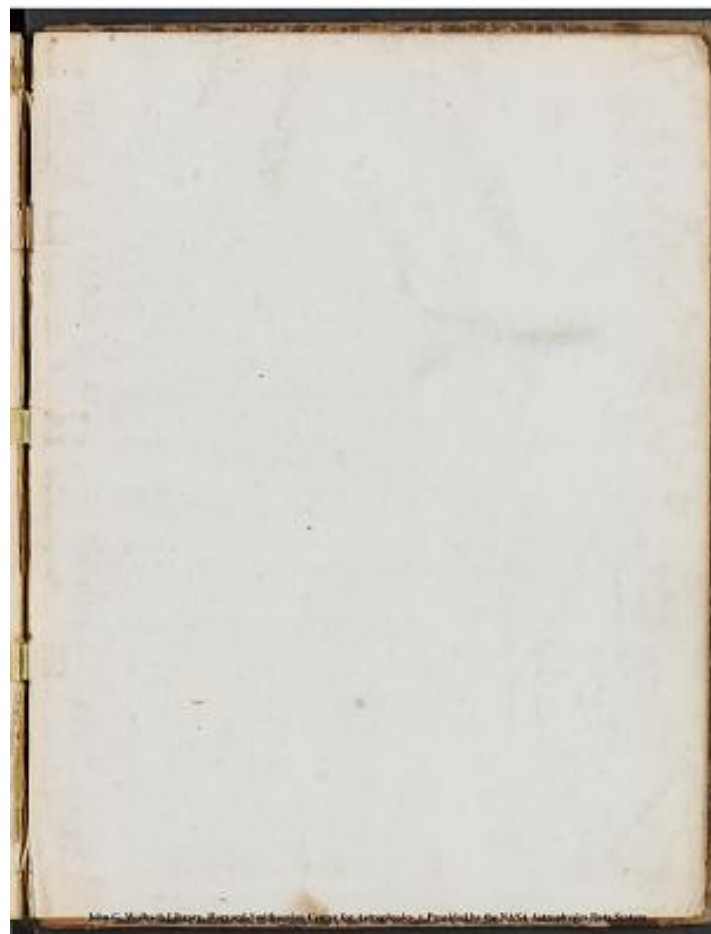
Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

[[blank]]



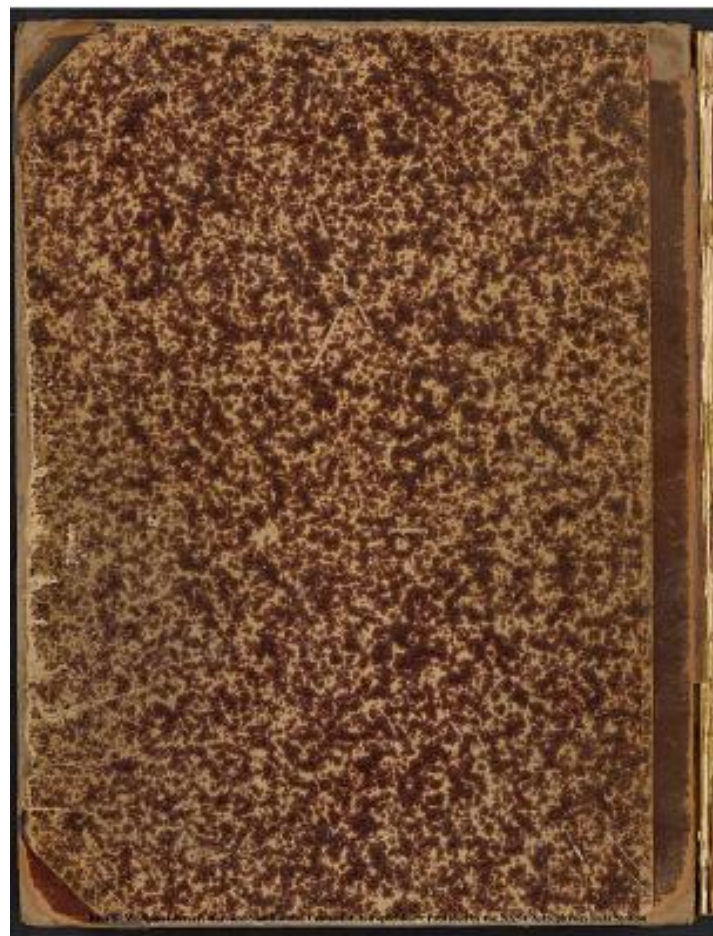
Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

[[blank]]



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31

[[back cover]]



Project PHaEDRA - Williamina P. Fleming - Reductions of Photographic
Observations #3
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:19:31



Smithsonian Institution

Harvard-Smithsonian Center for Astrophysics

The mission of the Smithsonian is the increase and diffusion of knowledge - shaping the future by preserving our heritage, discovering new knowledge, and sharing our resources with the world. Founded in 1846, the Smithsonian is the world's largest museum and research complex, consisting of 19 museums and galleries, the National Zoological Park, and nine research facilities. Become an active part of our mission through the Transcription Center. Together, we are discovering secrets hidden deep inside our collections that illuminate our history and our world.

Join us!

The Transcription Center: <https://transcription.si.edu>

On Facebook: <https://www.facebook.com/SmithsonianTranscriptionCenter>

On Twitter: [@TranscribeSI](https://twitter.com/TranscribeSI)

Connect with the Smithsonian

Smithsonian Institution: www.si.edu

On Facebook: <https://www.facebook.com/Smithsonian>

On Twitter: [@smithsonian](https://twitter.com/smithsonian)