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## **Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates (South Draper Catalog) #62**

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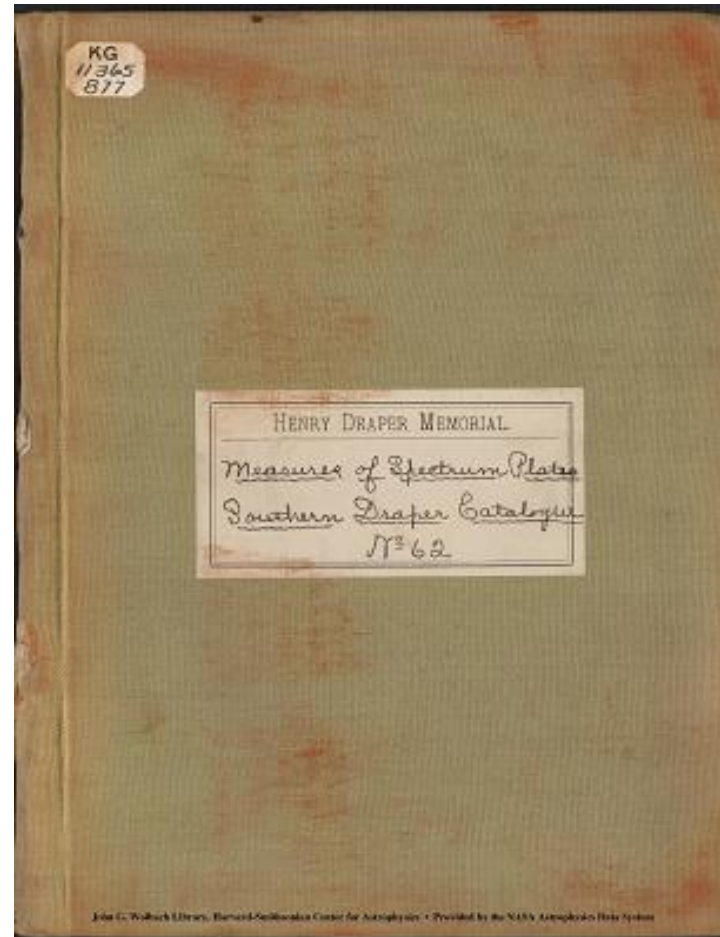
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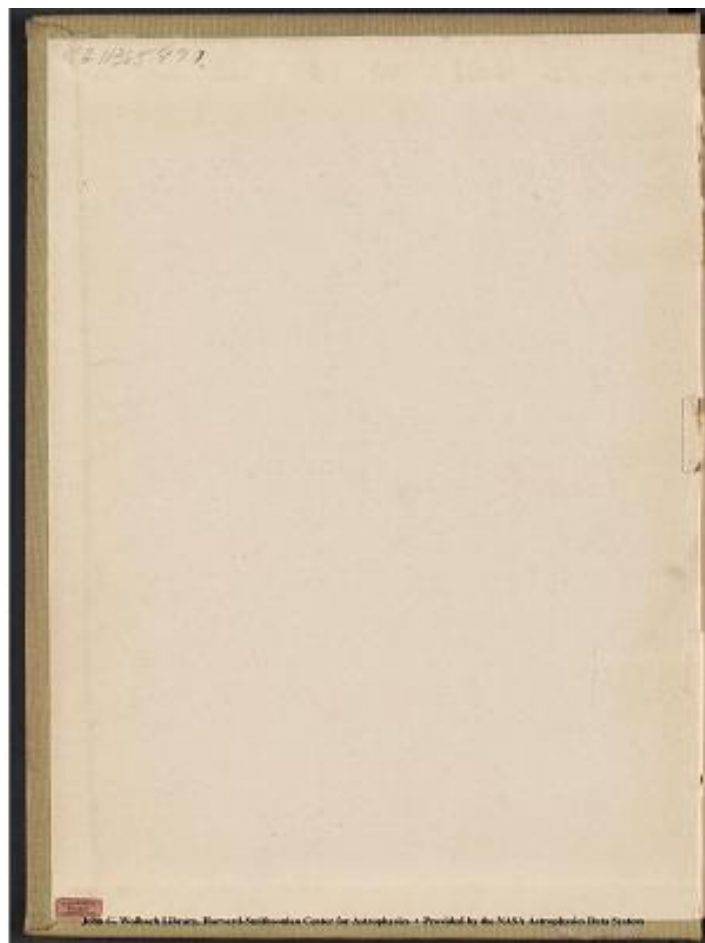
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Southern Draper Catalogue [[/u]]  
No 62  
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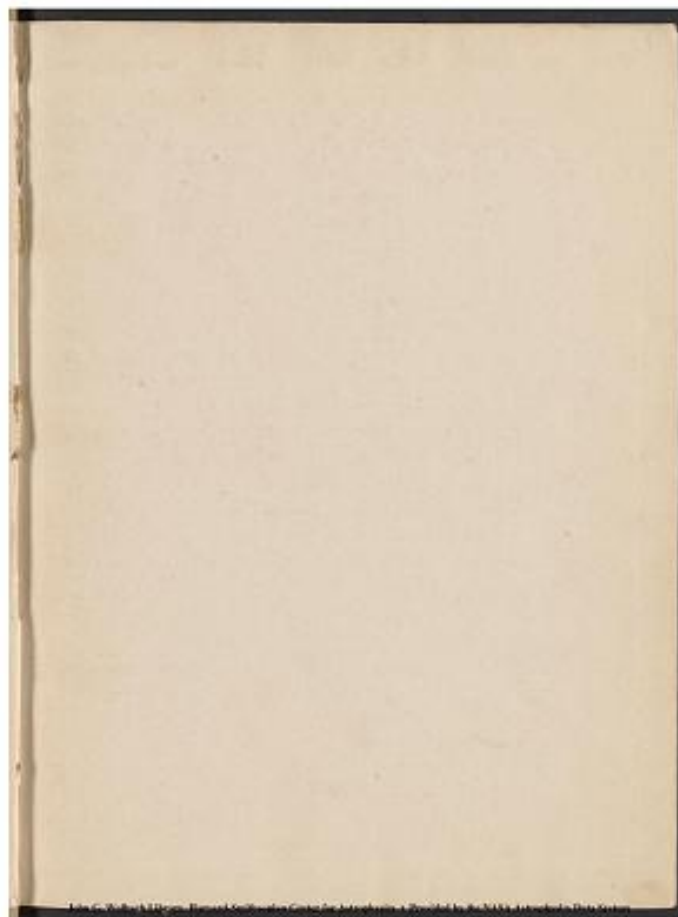
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(South Draper Catalog) #62  
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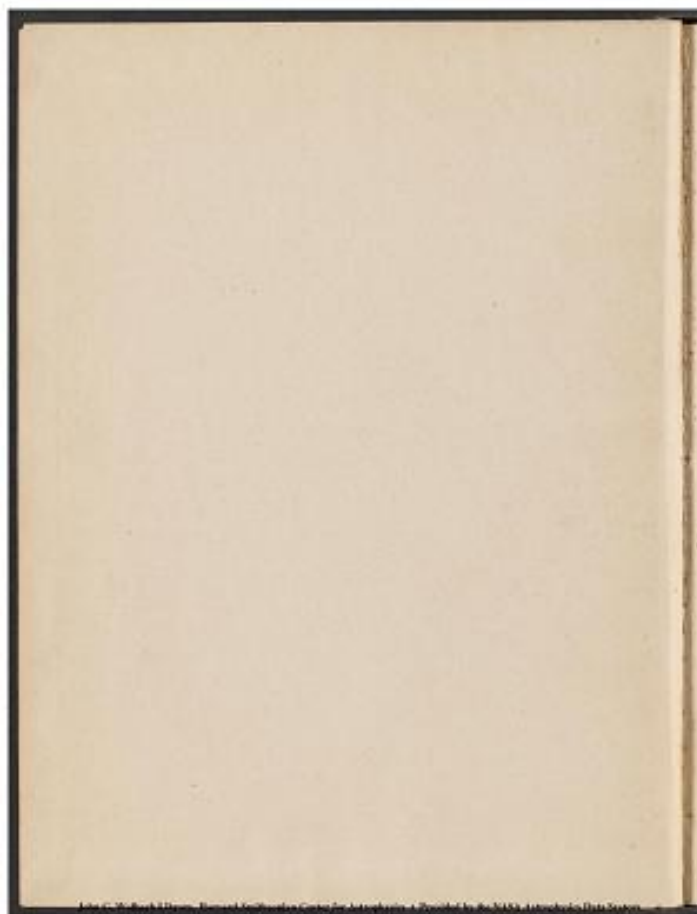
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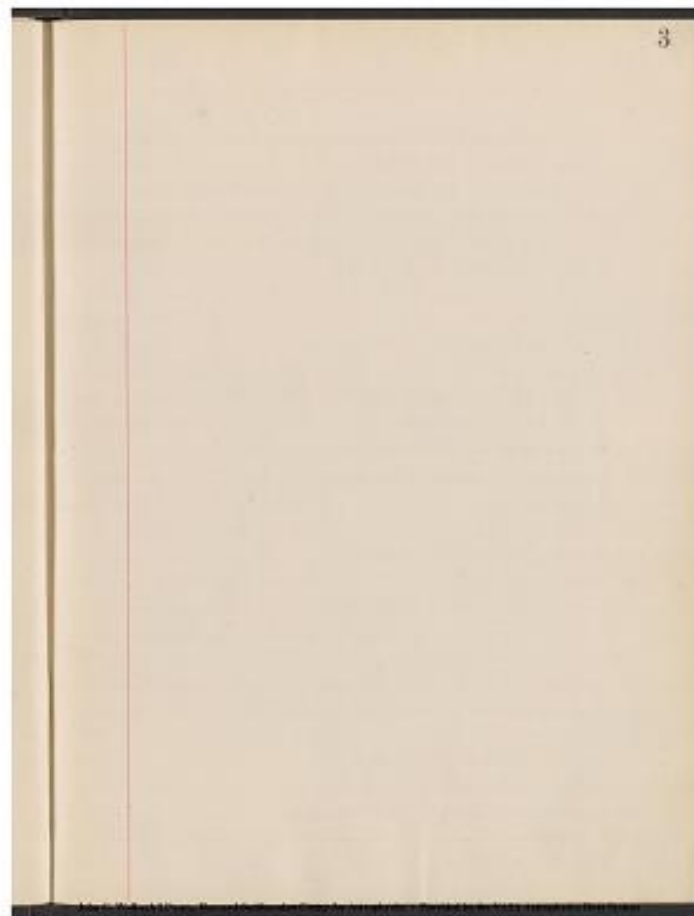
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 December 11, 1892  
 23.<sup>h</sup> 45<sup>m</sup> 10<sup>s</sup> Plate 4948

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6.3	22.4	A			N	1
7.0	24.1	A			N	2
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8.6	11.3	F	956		K=H	1
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9.0	19.1	A			K=H	1
9.0	20.3	G			K=H	2
8.3	9.0	A			N	1
9.6	9.8	A			K=H	1
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9.6	15.3	A			N	2
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9.3	16.2	H			N	1
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3.8	-36.8	13816	10 3.7	-46 50	6.6				
43.2	-37.5	13352	9 43.3	-37 16	8	-37 6072	9 42.3	-37 8.9	7.7
57.2	-37.7	13675	9 57.2	-37 37	8.5				
5.4	-37.3	13853	10 5.5	-37 14	var.				
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19.1	-37.5	1419	10 19.1	-37 31	5.7				
43.9	-38.1	13365	9 43.8	-37 54	7.5	-37 6083	9 42.8	-37 47.8	GC
49.0	-38.1	13483	9 49.2	-37 56	8				
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46.5	-38.5			-38 5961	9 45.7	-38 15.4	7.7ZC		
57.7	-38.5	13689	9 57.7	-38 26	8				
6.3	-38.4	13879	10 6.4	-38 25	6.9				
7.0	-38.6			-38 6259	10 6.1	-38 28.3	8.0		
9.9	-38.6	13949	10 9.9	-38 36	6.9				
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425	-38.9	13333	9 42.7	-38 52	7.8				
51.9	-39.1	13553	9 51.8	-39 5	7.5				
57.0	-39.0	13667	9 57.0	-38 58	7.5				
58.8	-39.0	13715	9 58.9	-38 56	7.8				
59.5	-39.9	13729	9 59.6	-38 48	7.8				
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34.6	-39.2	13166	9 34.6	-39 10	7				
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57.2	-37.7	13675	9 57.2	-37 37	8.5				
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43.9	-38.1	13365	9 43.8	-37 54	7.5	-37 6083	9 42.8	-37 47.8	GC
49.0	-38.1	13483	9 49.2	-37 56	8				
3.8	-38.0			-37 6310	10 2.6	-3744.6	8.1		
46.5	-38.5			-38 5961	9 45.7	-38 15.4	7.7ZC		
57.7	-38.5	13689	9 57.7	-38 26	8				
6.3	-38.4	13879	10 6.4	-38 25	6.9				
7.0	-38.6			-38 6259	10 6.1	-38 28.3	8.0		
9.9	-38.6	13949	10 9.9	-38 36	6.9				
41.0	-38.3			-38 5870	9 39.9	-38 0.9	8.4ZC		
425	-38.9	13333	9 42.7	-38 52	7.8				
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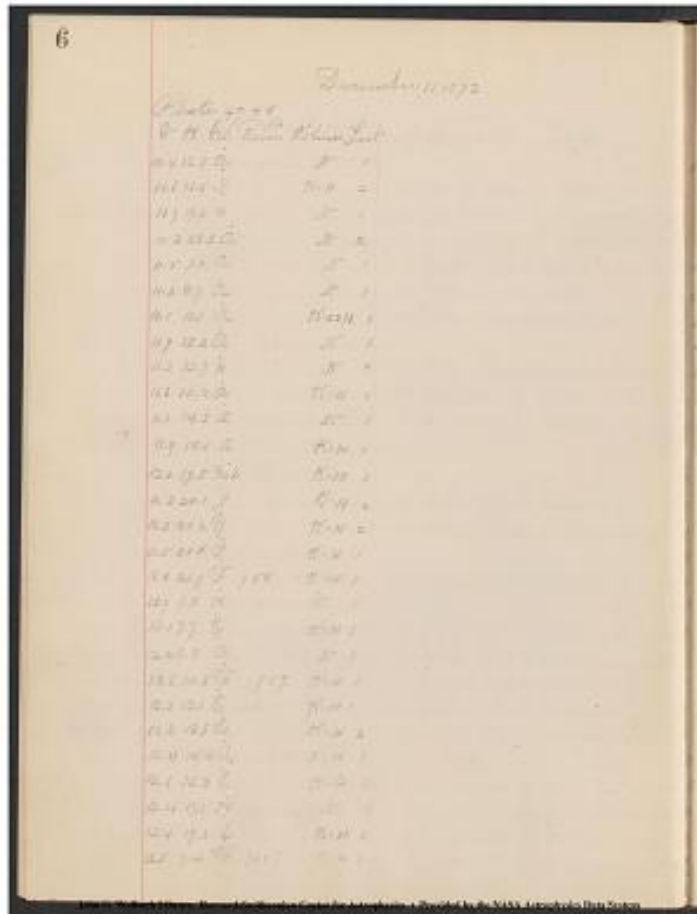
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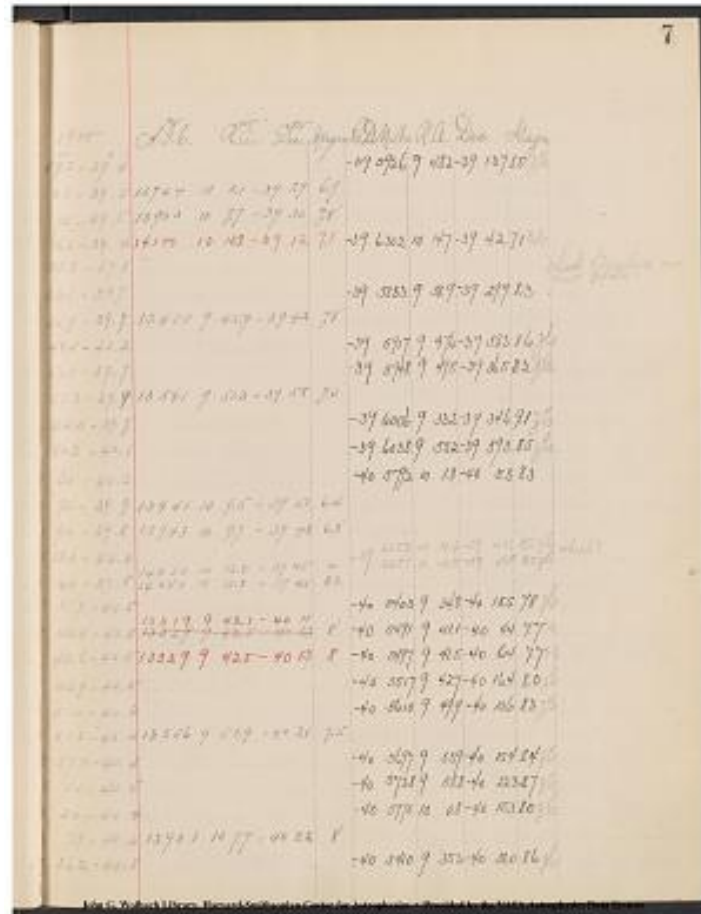
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54.0-39.7| | | | |-39 6006|9 33.2|-39 34.6|9.1ZC|  
56.2-40.1| | | | |-39 6038|9 55.2|-39 59.3|8.5ZC|  
3.0-40.2| | | | |-40 5792|10 1.8|-40 5.3|8.3|  
9.5-39.9|13941|10 9.5|-39 51|6.4| | | |  
9.6-39.8|13943|10 9.7|-39 48|6.8| | | |  
12.0-40.0| | | | |-39 6251^[[6250]]|10 10.5^[[10 10.4]]|-39 48.5^[[39  
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42.5|~~9 42.1~~|~~40 13~~|~~40 13~~|  
11|8|-40 5491|- 41.1|-40 44|7.7GC|  
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43.9-40.5| | | | |-40 5517|9 42.7|-40 16.4|8.0ZC|  
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0.0-40.5| | | | |-40 5738|9 58.8|-40 22.3|8.7ZC|  
2.0-40.4| | | | |-40 5775|10 0.8|-40 15.3|8.0ZC|  
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36.2-40.8| | | | |-40 5410|9 35.2|-40 38.0|8.6ZC|  
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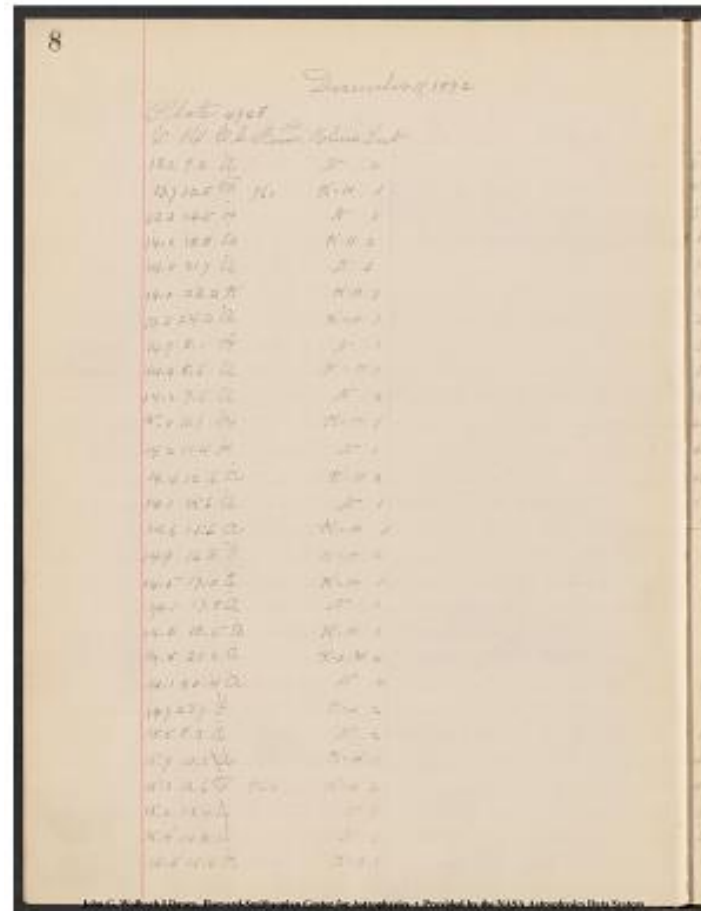
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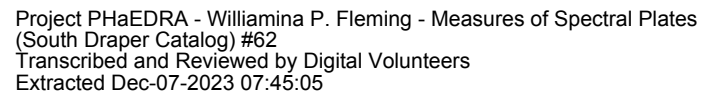
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13.3	24.2	A		K = H 1	
14.9	8.1	H		N 1	
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15.0	11.1	A		K = H 1	
14.2	11.4	H		N 1	
14.1	15.6	A		K = H 1	
14.9	16.8	G		K = H 2	
14.5	14.0	E		K = H 1	
14.1	14.8	A		N 1	
14.8	20.3	A		K = 0.1H 4	
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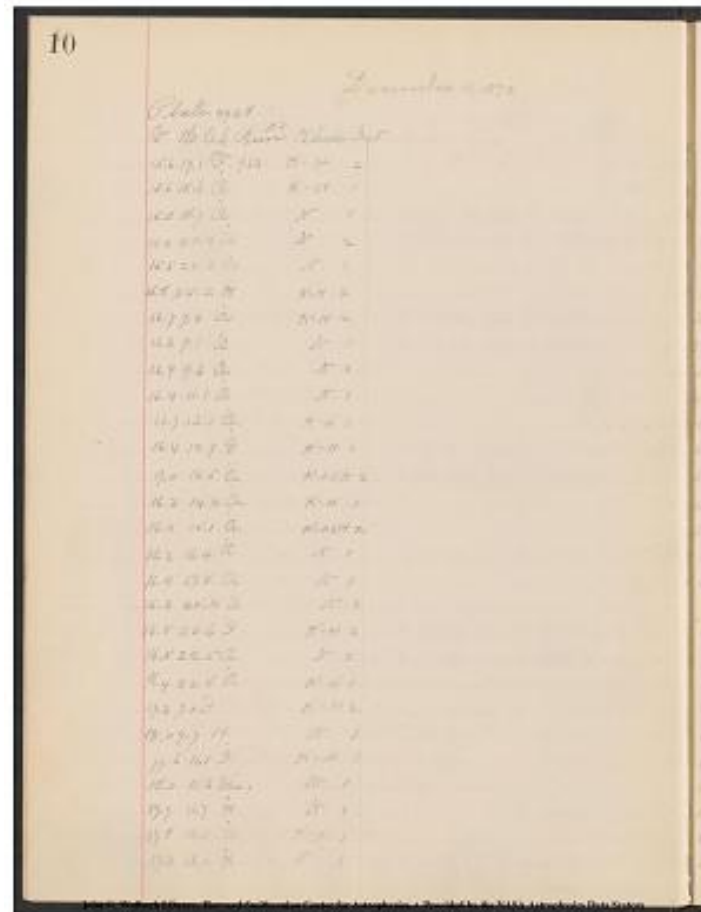
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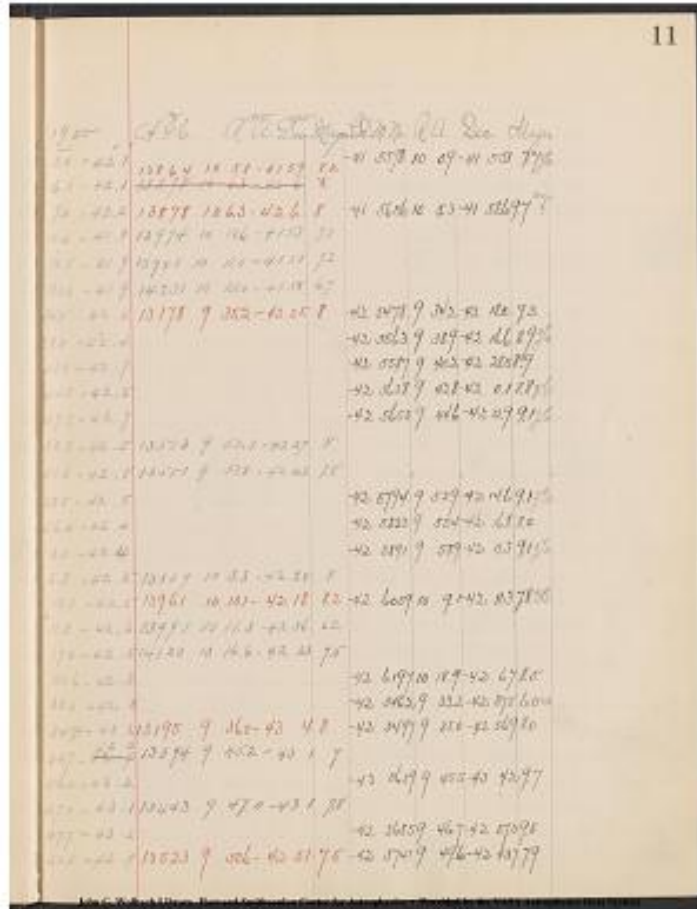
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15.4	20.4	A		N 2
15.5	20.5	A		N 1
15.8	24.2	H		K=H 2
16.7	7.3	A		K=H 2
16.6	9.1	A		N 1
16.9	9.6	A		N 1
16.4	11.1	A		N 1
16.7	12.1	A		K=H 1
16.4	12.9	G		K=H 1
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16.2	16.4	A		N 1
16.4	17.8	A		N 1
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16.8	20.6	I		K=H 2
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10.4-41.9	13974	10 10.6	-41 53
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34.5-42.4	13178	9 35.2	-42 25
39.0-42.4			
41.0-42.7			
45.1-42.5			
47.7-42.7			
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56.4-42.4			
0.0-42.4			
3.8-42.5	13809	10 3.3	-42 28
10.1-42.5	13961	10 10.1	-42 18
11.3-42.6	13991	10 11.3	-42 36
17.0-42.5	14120	10 16.6	-42 23
20.6-42.3			
33.0-42.8			
34.9-43.2	13195	9 36.0	-43 4
44.7-~~42.7~~	~~42.7~~	~~43.0~~	13394
46.0-43.2| | | | -43 5659|9 45.5|-43 42|9.7|  
47.0-43.1|13443|9 47.0|-43 1|7.8| | | |  
47.7-43.2| | | | -42 5685|9 46.7|-42 57.3|9.5|  
50.0-42.9|13523|9 50.6|42 51|7.5|-42 5741|9 49.6|-42 43.7|7.9|  
[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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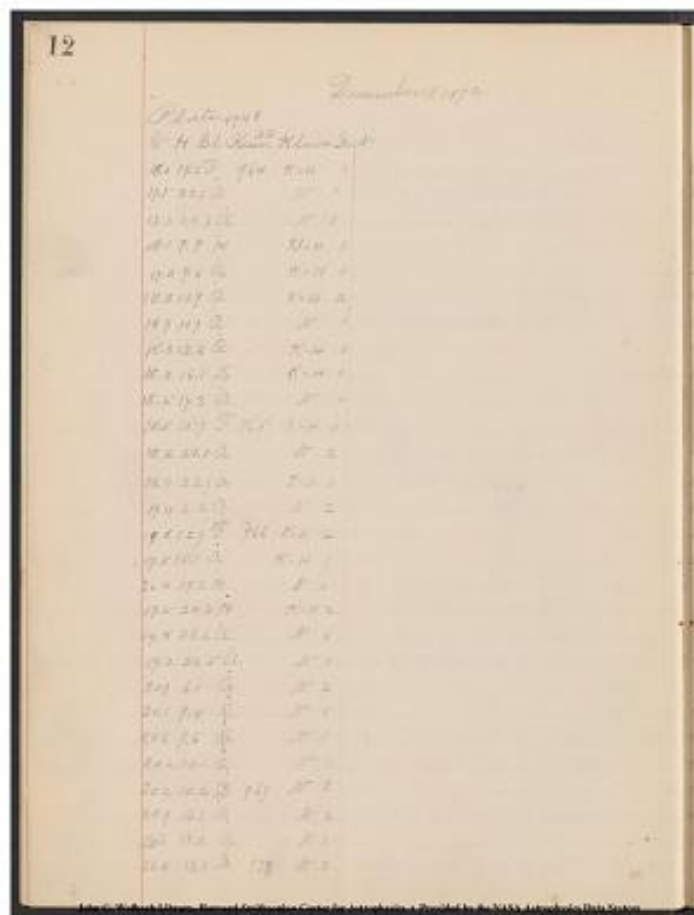
Plate 4948

[[table]]

V|H|C|Rem. No.|K line|Int|

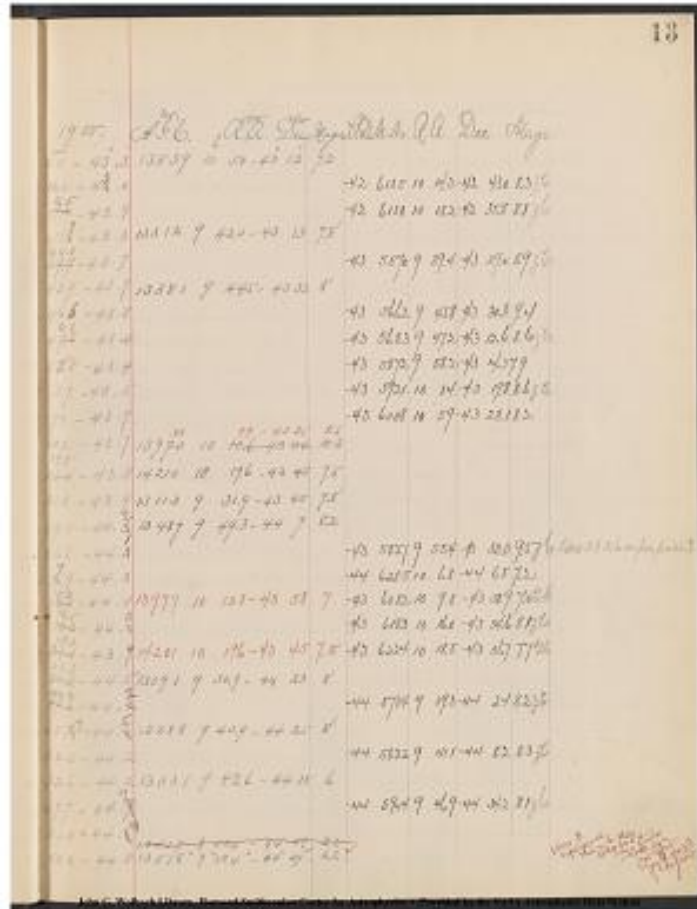
18.0	18.2	F	964	K=H 1
17.5	22.1	A		N 1
17.3	22.3	A		N 1
18.1	9.9	H		K  <del>[[/del]]</del> =H 1
19.0	9.4	A		K=H 1
18.8	10.9	A		K=H 2
18.9	11.7	A		N 1
18.3	12.2	A		K=H 1
18.3	16.1	L		K=H 1
18.5	17.3	A		N 1
18.8	18.9	F	965	K=H 1
18.8	20.0	A		N 2
18.9	23.7	A		K=H 1
19.4	6.3	A		N 2
19.8	12.7	F	966	K=H 2
19.5	15.1	A		K=H 1
20.0	19.2	H		N 1
19.5	20.3	H		K=H 2
19.8	22.6	A		N 1
19.3	23.5	A		N 1
20.7	6.1	A		N 2
20.1	9.4	A		N 1
20.6	9.6	A		N 1
20.2	10.1	A		N 1
20.2	10.2	B	967	N 3
20.9	12.1	A		N 2
20.3	13.3	A		N 1
21.0	13.1	B	978	N 3

[[/table]]



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[[preprinted]]13[[/preprinted]]  
[[table]]  
1900|A.G.C. No.|1900 R.A.|1900 Dec.  
Magn	C.D.M.No.	R.A.	Dec.	Magn
5.0^[[m]]-43^[[symbol-degree symbol]].3^[[1]]	13839	10^[[h]] 5.0	-	
43^[[symbol-degree symbol]].12^[[1]]	7.2			
16.0-4[[/strikethrough]]2[[/strikethrough]]3.0				-42 6135
42 43.0	8.3ZC			
[[/strikethrough]]17.3[[/strikethrough]]16.5-42.9				-42 6150
15.2	-42 35.8	8.1ZC		
41.1[[/strikethrough]]0[[/strikethrough]]7-43.3	13312	9 42.0	-43 13	7.8
[[/strikethrough]]39.7[[/strikethrough]]40.1-43.7				-43 5570
39.4	-43 29.0	8.9ZC		
43.9-43.7	13381	9 44.5	-43 33	8
46.6-43.8				-43 5662
4[[/strikethrough]]7.8[[/strikethrough]]8.1-43.4				-43 5683
47.2	-43 12.6	8.6ZC		
58.8-43.4				-43 5872
2.7 -43.5				-43 5921
70 -43.7				-43 6008
10.2-43.7	139[[/strikethrough]]70[[/strikethrough]]50	10		
[[/strikethrough]]10.6[[/strikethrough]]9.9[[/strikethrough]]-43				
44[[/strikethrough]]-43 35[[/strikethrough]]10.2[[/strikethrough]]8.2				
[[/strikethrough]]21.0[[/strikethrough]]19.8-43.8	14210	10 19.6	-43	
45	7.5			
31.0-43.9	13113	9 31.9	-43 45	7.8
49.0-44.1[[/strikethrough]]3[[/strikethrough]]2	13487	9 49.3	-44 7	8.2
66.8-44.1[[/strikethrough]]2[[/strikethrough]]1				
		-43 5827	9 55.4	-43 50.0
superpose?				
[[/strikethrough]]8[[/strikethrough]]7.9-44.3				-44 6285
6.5	7.2			
[[/strikethrough]]12.0[[/strikethrough]]10.2-44.0	13977	10 10.8	-43 58	7
43 6082	10 9.8	-43 50.9	7.0GC	
[[/strikethrough]]18.3[[/strikethrough]]16.5-				
[[/strikethrough]]44.1[[/strikethrough]]44.3				-43 6183
54.6	8.1ZC			
[[/strikethrough]]21.0[[/strikethrough]]19.2-43.9	14201	10 19.6	-43	
45	7.5	-43 6224	10 18.5	-43 36.7
[[/strikethrough]]31.4[[/strikethrough]]30.2-44.5	13091	9 30.9	-44 23	8
[[/strikethrough]]39.6[[/strikethrough]]40.0-  
44.1[[/strikethrough]]3[[/strikethrough]]2| | | | -44 5784|9 39.3|-44  
2.4|8.2ZC|  
40.1[[/strikethrough]]2[[/strikethrough]]7-  
44.1[[/strikethrough]]6[[/strikethrough]]5|13288|9 40.9|-44 25|8| | | |  
42.3-44.2| | | | -44 5832|9 41.1|-44 8.2|8.3ZC|  
42.6-44.2|13331|9 42.6|-44 18|6| | | |  
47.7-44.1[[/strikethrough]]9[[/strikethrough]]7| | | | -44 5944|9 46.9|-  
44 34.2|8.1ZC|  
51.0-  
44.1[[/strikethrough]]6[[/strikethrough]]4[[/strikethrough]]13517[[/strikethrough]]  
[[/strikethrough]]9 50.4[[/strikethrough]]-44  
49[[/strikethrough]]8.2[[/strikethrough]]| | | |  
50.2-44.8|13518|9 50.4-44|49|6.2| | | |  
[[/table]]  
Mrs. F. superposed this on ch. plate B24946 & says fainter star does not



affect Ceurs. of spect. of brighter

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Plate 4948

[[table]]

V|H|Cl|Rem. No.|K line|Int|

20.4	14.9	A		N 2
20.3	15.4	A		N 1
20.9	18.5	H		N 1
21.0	18.8	A		N 1
22.0	11.6	A		N 3
20.0	16.2	A		K=H 1
22.6	10.1	A		K=H 1
22.6	10.3	H		K=H 1
22.9	12.1	I		K=H 2
22.1	13.3	A		N 1
22.1	13.4	A		N 1
22.3	16.8	H		K=H 1
22.1	18.5	H		K=H 1
22.1	21.8	A		N 1
23.6	12.3	L		K=H 3
23.2	14.9	A		N 1
23.8	16.1	A		N 2
24.5	11.9	I		K=H 2
24.5	16.4	A		N 1

[[/table]]

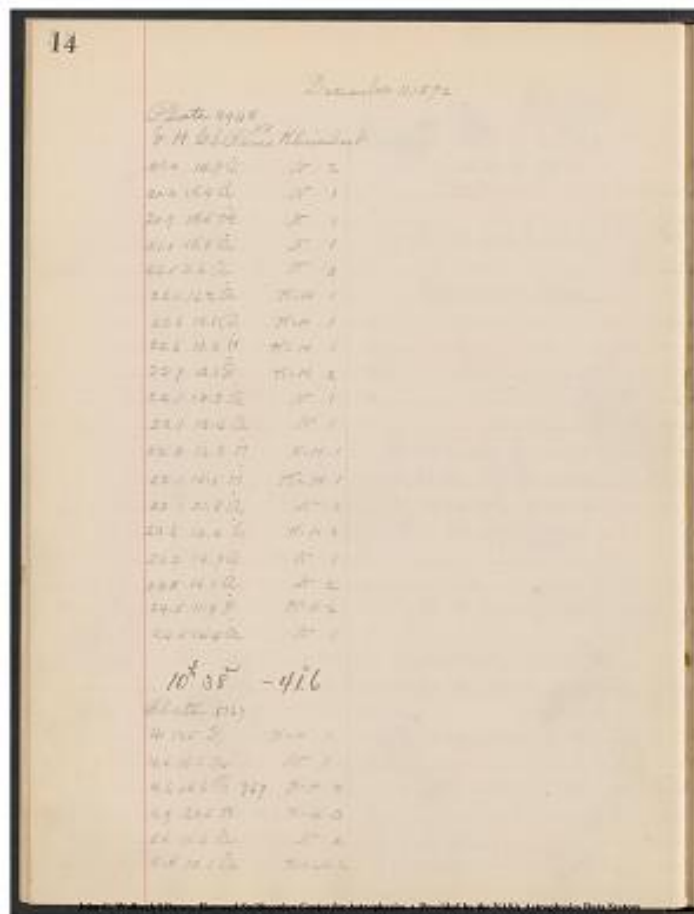
$10^{\Delta}[\text{h}]38^{\Delta}[\text{m}]-41.6^{\Delta}$

Plate 5167

[[table]]

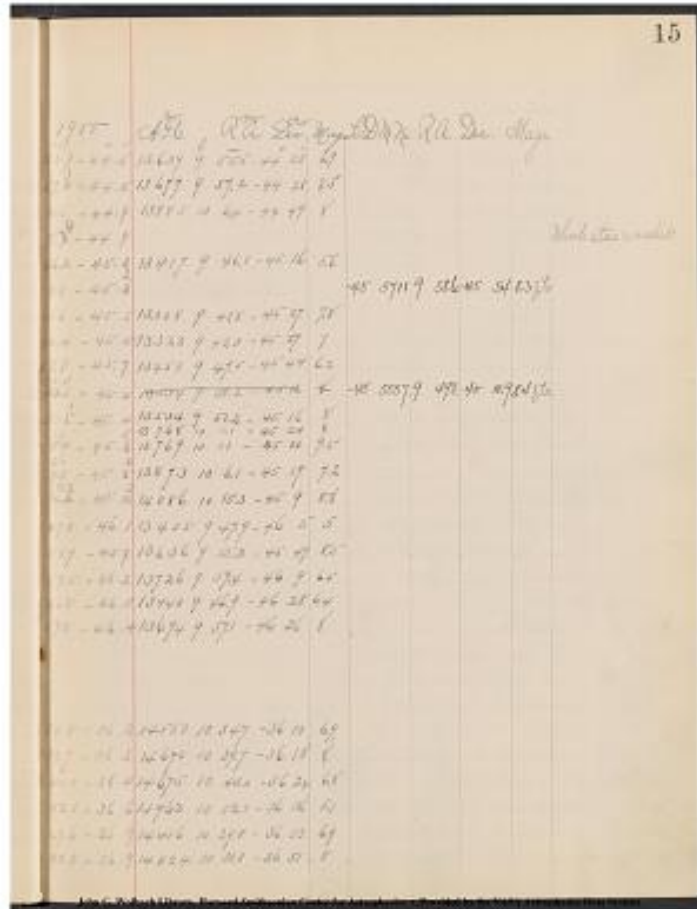
4.1	13.5	I		K=H 1
4.5	15.5	A		N 1
4.6	15.6	H	969	K=H 2
4.9	20.5	K		K=H 3
5.6	11.6	A		N 2
5.5	12.1	A		K=0.6 H 2

[[/table]]



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[[preprinted]]15[[/preprinted]]  
[[table]]  
1900|A.G.C. No.|1900 R.A.|1900 Dec.  
Magn	C.D.M.No.	R.A.	Dec.	Magn
55.9-44^[[symbol-degree symbol]] 5^[[1]]	13639	9^[[h]] 55.5^[[m]]-		
44^[[symbol-degree symbol]] 28^[[1]]	6.9			
57.7	[[strikethrough]]8	[[strikethrough]]3-44.5	13677	9 57.2
6.5-44.913885	10 6.4	-44 49	8	
7.7	[[strikethrough]]9	[[strikethrough]]4-44.9		
[[margin]]Which star is marked?[[/margin]]				
46.2-45.3	13417	9 46.1	-45 16	5.6
0.0-45.7	[[strikethrough]]3	[[strikethrough]]2		
5.4	8.3ZC			
41.6-45.5	13308	9 41.8	-45 27	7.8
42.4-45.5	13323	9 42.3	-45 27	7
47.8-45.7	13451	9 47.5	-45 44	6.2
[[strikethrough]]51.1	[[strikethrough]]50.4-			
45.4	[[strikethrough]]13534	[[strikethrough]]	[[strikethrough]]9	
51.2	[[strikethrough]]	[[strikethrough]]-45		
16	[[strikethrough]]	[[strikethrough]]8	[[strikethrough]]-45 55	7
10.9	8.4ZC			
51.7	[[strikethrough]]5	[[strikethrough]]1-45.4	13534	9 51.2
[[strikethrough]]5.7	[[strikethrough]]1.2-			
45.7	[[strikethrough]]6	[[strikethrough]]5	13769^[[13768]]	10 1.1^[[10 1.1]]-
45 24^45 24	9.5^[[8]]			
[[strikethrough]]7.7	[[strikethrough]]6.0-			
45.7	[[strikethrough]]5	[[strikethrough]]4	13873	10 6.1
[[strikethrough]]16.6	[[strikethrough]]15.8-			
45.7|[[strikethrough]]4|[[strikethrough]]3|14086|10 15.3|-45 9|8.8| | | | |  
47.8-46.1|13455|9 47.9|-46 5|5| | | | | |  
55.7-45.9|13636|9 55.3|-45 49|8.5| | | | | |  
59.5-46.2|13726|9 59.4|-46 9|6.5| | | | | |  
46.8-46.5|13440|9 46.9|-46 28|6.4| | | | | |  
57.0-46.4|13674|9 57.1|-46 26|8| | | | | |  
34.8-36.2|14550|10 34.7|-36 10|6.9| | | | | |  
39.7-36.3|14670|10 39.7|-36 18|8| | | | | |  
40.0-36.4|14675|10 4.0.0|-36 24|6.8| | | | | |  
52.1-36.6|14963|10 52.1|-36 36|5.1| | | | | |  
296-36.9|14416|10 29.8|-36 53|6.9| | | | | |  
30.0-36.9|14424|10 30.0|-36 51|8| | | | | |  
[[/table]]



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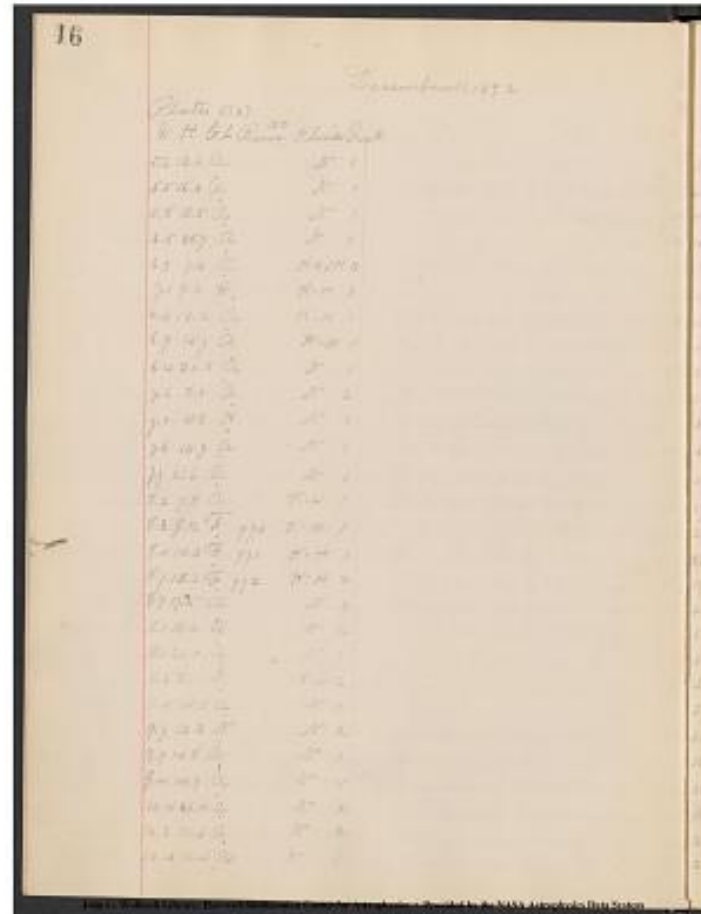
Plate 5167

[[table]]

|V|H|C|Rem. No.|K line|Int|

5.6	13.6	A		N	1		
5.5	16.0	A		N	1		
5.8	16.8	A		N	1		
6.5	<del>11.1</del>	<del>1</del>		<del>5.7</del>	<del>A</del>	<del>N</del>	<del>1</del>
6.9	7.4	A		K=0.5	H	3	
7.0	9.6	H		K=H	1		
6.4	14.2	A		K=H	1		
6.9	15.7	A		K=H	1		
6.4	20.8	A		N	1		
7.6	8.0	A		N	2		
7.1	11.8	H		N	1		
7.6	12.9	A		N	1		
7.7	21.6	A		N	1		
8.2	7.8	A		K=H	1		
8.3	9.2	F	990	K=H	1		
9.0	10.3	F	991	K=H	1		
8.7	15.3	F	992	K=H	2		
8.9	17.5	A		N	2		
8.1	19.6	A		N	2		
8.1	21.0	A		N	1		
9.6	8.7	I		K=H	2		
9.5	10.5	A		N	1		
9.7	12.2	N		N	2		
9.9	14.8	A		N	1		
9.4	14.9	A		N	1		
10.4	<del>11.1</del>	<del>1</del>		<del>6.4</del>	<del>A</del>	<del>N</del>	<del>2</del>
10.6	11.3	A		N	2		
10.3	11.4	A		N	1		

[[/table]]



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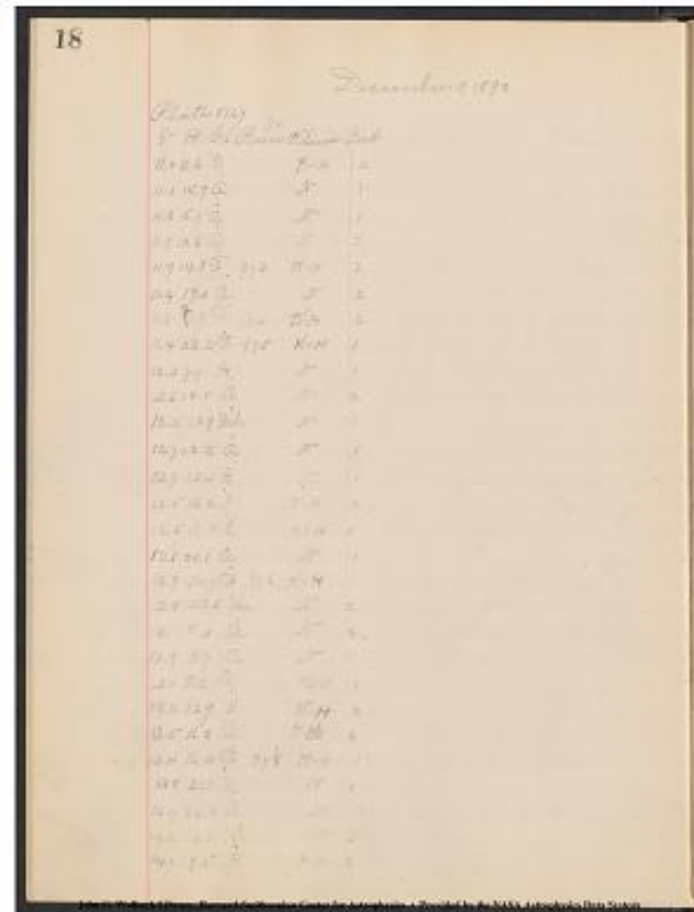
Plate 5167

[[table]]

V|H|C|Rem. No.|K line|Int|

11.0	11.6	G	K=H 2
11.0	15.9	A	N 1
11.6	5.7	A	N 1
11.9	13.6	A	N 2
11.9	14.8	F	973 K=H 2
11.4	19.0	A	N 2
11.6	<del>11.1</del>	<del>1</del>	<del>21.9</del> F 974 K=H 1
11.4	23.2	F	975 K=H 1
12.3	7.7	H	N 1
12.6	10.0	A	N 2
12.2	10.9	Neb.	N 1
12.4	12.2	A	N 1
12.4	13.4	H	N 1
12.5	16.2	I	K=H 2
12.5	17.8	E	K=H 1
12.6	20.6	A	N 1
12.9	20.4	F	976 K=H 1
12.8	22.5	Ma	N 2
13.1	8.3	A	N 2
12.9	8.4	A	N 1
13.1	9.2	A	K=H 1
13.2	12.9	I	K=H 2
13.5	16.2	A	K=H 2
13.4	16.4	F	97 <del>7</del> <del>8</del> <del>7</del>  K=H 1
13.8	21.1	A	N 1
13.7	24.2	A	N 1
14.2	6.1	A	N 3
14.1	4.5	K	K=H 3

[[/table]]



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(South Draper Catalog) #62  
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Extracted Dec-07-2023 07:45:05

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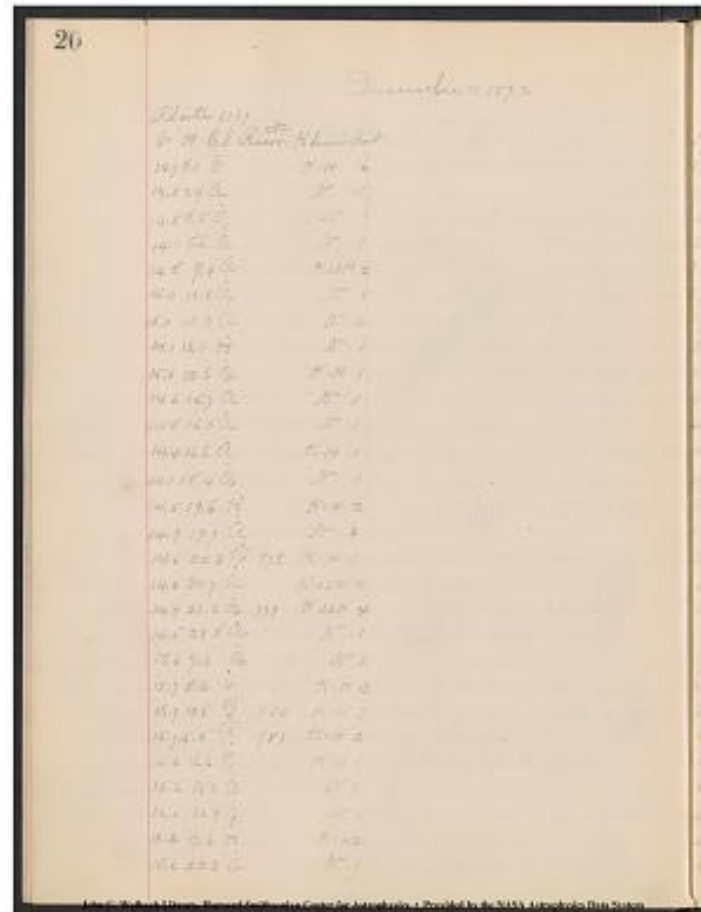
Plate 5167

[[table]]

V|H|C|Rem. No.|K line|Int|

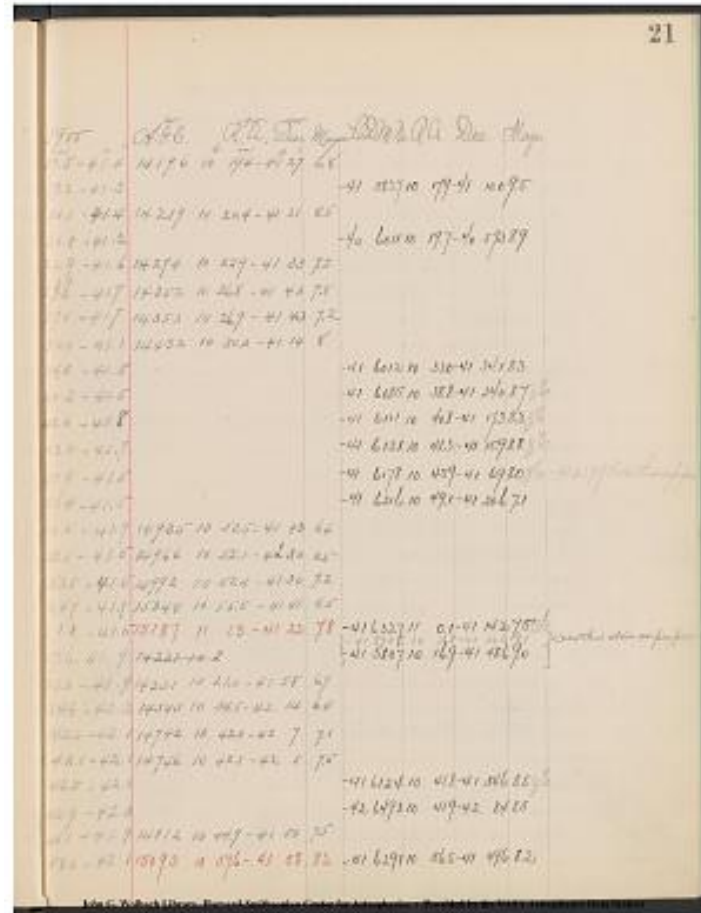
14.7	8.1	G		K=H 2	
14.5	7.9	A		N 1	
14.5	8.5	A		N 1	
14.1	8.6	A		N 1	
14.8	9.4	A		K=0.3H 2	
15.0	10.8	A		N 1	
15.0	10.9	A		N 2	
14.1	12.1	H		N 1	
15.0	13.6	A		K=H 1	
14.6	15.9	A		N 1	
14.8	16.5	A		N 1	
14.4	16.6	A		K=H 2	
14.1	18.4	A		N 1	
14.5	19.6	H		K=H 2	
14.9	19.9	A		N 3	
14.6	20.3	F	978	K=H 1	
14.6	20.7	A		K=0.5H 2	
14.9	21.6	A	979	K=0.3H 4	
14.5	23.8	A		N 1	
15.6	9.6	A		N 1	
15.9	8.6	I		K=H 3	
15.9	13.8	F	980	K=H 3	
15.7	16.5	F	981	K=H 2	
15.6	16.6	E		K=H 1	
15.6	16.8	A		N 1	
16.0	16.9	A		N 1	
15.2	19.6	H		K=H 2	
15.6	22.3	A		N 1	

[[/table]]



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[[preprinted]] [[/preprinted]]  
[[table]]  
1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.|R.A.|Dec.|Magn|  
|---|---|---|---|---|  
19.5^[[m]]-41^[[symbol-degree symbol]]4^[[1]]14196|10^[[h]]  
19.4^[[m]]-41^[[0]]27|6.8| | | | |  
19.3-41.3| | | | -41 5827|10 17.9|-41 10.0|9.5|  
20.1-41.4|14219|10 20.4|-41 21|8.5| | | | |  
20.8-41.2| | | | -40 6011|10 19.7|-40 59.3|8.9|  
22.9-41.6|14274|10 22.9|-41 33|7.2| | | | |  
2[[strikethrough]]7.0[[/strikethrough]]6.9-41.7|14325|10 26.8|-44 43|7.8|  
| | | | |  
27.0-41.7|14353|10 26.9|-41 43|7.2| | | | |  
30.0-41.1|14432|10 30.3|-41 14|8| | | | |  
34.0-41.5| | | | -41 6012|20 33.0|-41 34.1|8.3|  
40.2-41.5| | | | -41 6085|10 38.8|-41 24.0|8.7ZC|  
42.6-41.8| | | | -41 6111|10 40.8|-41 17.3|8.3ZC|  
42.8-41.7| | | | -41 6121|10 41.3|-41 15.9|8.8ZC|  
47.9-41.5| | | | -41 6178|10 45.9|-41 6.9|8.0ZC|[[margin]]-416179  
does this superpose[[/margin]]  
50.4-41.5| | | | -41 6216|10 49.1|-41 20.6|7.1|  
50.5-41.7|14935|10 50.5|-41 43|6.4| | | | |  
52.1-41.5|14966|10 52.1|-4[[strikethrough]]0[[/strikethrough]]1 30|8.5| |  
| | | | |  
53.8-41.5|14992|10 53.4|-41 30|7.2| | | | |  
55.7-41.7|15048|10 55.5|-41 41|45| | | | |  
1.8-41.5|15187|11 1.3|-41 22|7.8|-41 6327|11 0.1|-41 14.2|7.5GC|  
17.6-41.9|[[strikethrough]]14231[[/strikethrough]]|[[strikethrough]]10  
2[[/strikethrough]]| | | -41^[[0-41]]5807^[[5805]]10^[[10]]16.9^[[16.8]]-  
41^[[41]]48.6^[[42.6]]9.0^[[9.1]]|[[margin]]Does this star  
superpose[[/margin]]  
21.0-41.9|14231|10 21.0-41 58|6.7| | | | |  
34.6-42.2|14543|10 34.5-42 14|6.4| | | | |  
42.0-42.1|14742|10 42.0-42 7|7.1| | | | |  
41.2-42.1|14746|10 42.1-42 5|7.5| | | | |  
42.8-42.1| | | | -41 6124|10 41.8|-41 54.6|8.5ZC|  
42.9-42.3| | | | -42 6493|10 41.9|-42 8.4|8.5|  
45.1-41.9|14812|10 44.9|-41 50|7.5| | | | |  
58.0-42.1|15093|10 57.6|-41 58|8.2|-41 6291|10 56.5|-41 49.6|8.2|  
[[/table]]



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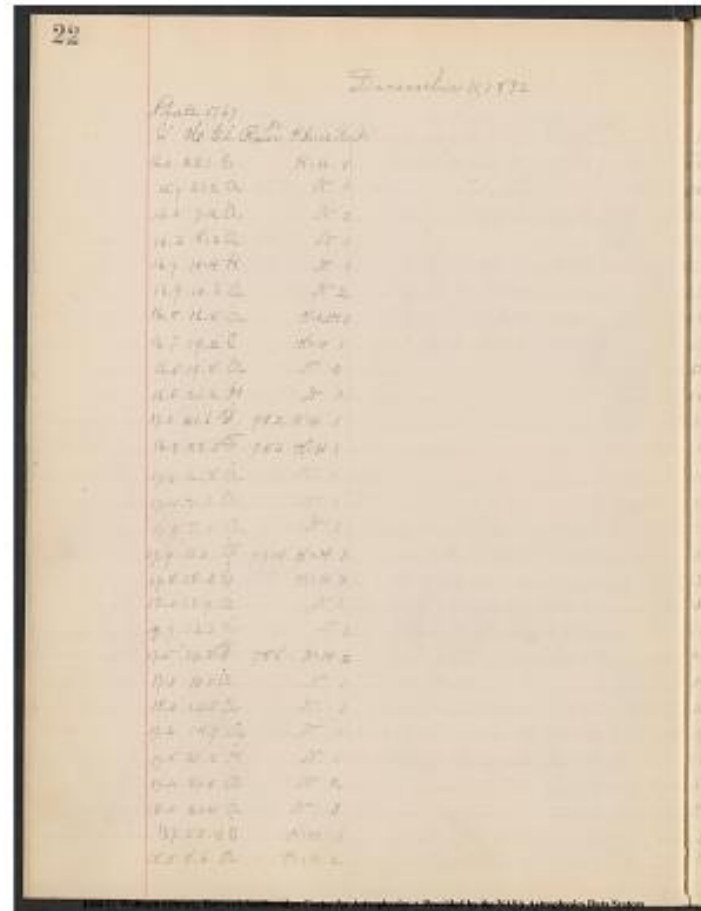
Plate 5167

[[table]]

V|H|C|Rem. No.|K line|Int|

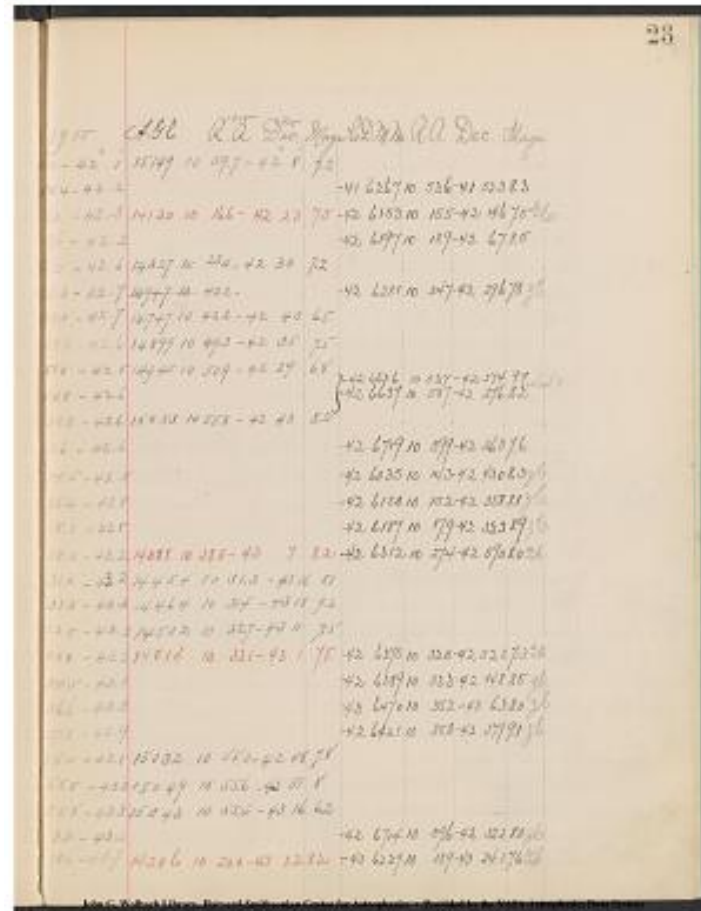
16.0	23.1	E		K=H 1
15.9	21.2	A		N 1
16.6	7.2	A		N 2
16.3	8.4	A		N 1
16.9	10.4	H		N 1
16.9	10.6	A		N 2
16.8	16.5	A		K=0.5 H 3
16.7	19.2	E		K=H 1
16.5	19.8	A		N 3
16.8	21.2	H		N 1
19.0	21.6	F982		K=H 1
16.9	23.5	F983		K=H 1
17.6	6.8	A		N 1
17.4	7.1	A		N 1
17.3	8.1	A		N 1
17.9	11.6	F984		K=H 1
17.8	12.5	G		K=H 3
18.0	12.7	A		N 1
17.9	13.2	A		N 1
17.5	13.3	F985		K=H 2
17.3	13.8	A		N 1
18.0	14.5	A		N 1
17.2	14.7	A		N 1
17.5	21.3	H		N 1
17.4	21.5	A		N 2
18.0	21.4	A		N 3
17.7	23.4	E		K=H 1
18.8	8.6	A		K=H 2

[[/table]]



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[[preprinted]]23[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.	R.A.	Dec.	Magn
 0.0 -42^[[symbol-degree symbol]], 1'|15149|10 59.7|-42^[[symbol-degree symbol]] 8^[[1]]|7.2| | | |  
 55.4-42.2| | | | -41 6267|10 53.6|-41 52.3|8.3|  
 16.0-42.3|14120|10 16.6|-42 23|7.5|-42 6153|10 15.5|-42 14.6|7.5 GC|  
 19.6-42.2| | | | -42 6197|10 18.9|-42 6.7|8.5|  
 25.0-42.6|14327|10 25.4|-42 33|7.2| | | |  
 25.3-42.7|[[strikethrough]]14747|10 42.2|[[/strikethrough]] | | | -42 6281|10 24.7|-42 29.6|7.8 ZC|  
 42.0-42.7|14747|10 42.2|-42 4.0|6.5| | | |  
 49.0-42.6|14899|10 49.3|-42 3.5|7.5| | | |  
 51.0-42.5|14945|10 50.9|-42 2.9|6.8| | | |  
 54.8-42.6| | | | -42 6636^[[1]]|-42 6637|10 53.7^[[10 53.7]]|-42 27.6^[[10 53.7]]|8.2^[[9.9]]|which?|  
 55.8-42.6|15053|10 55.8|-42 43|8.2|  
 1.6-42.6| | | | -42 6719|10 59.9|-42 26|37.6|  
 14.5-42.8| | | | -42 6035|10 14.3|-42 43.0|8.3 ZC|  
 15.4-42.8| | | | -42 6150|10 15.2|-42 35.8|8.1 ZC|  
 18.1-42.8| | | | -42 6187|10 17.9|-42 32.3|8.9 ZC|  
 28.0-43.2|14388|10 28.5|-43 7|8.2|-42 6312|10 27.4|-42 59.0|8.0 GC|  
 31.0-43.2|14454|10 31.3|-43 16|8.8| | | |  
 31.3-43.3|14464|10 31.4|-43 18|9.2| | | |  
 32.8-43.3|14502|10 32.7|-43 11|7.5| | | |  
 33.0-43.2|14514|10 33.1|-43 17.5|-42 6375|10 32.0|-42 52.5|7.3 GC|  
 34.5-43.1| | | | -42 6389|10 33.3|-42 44.8|8.5 ZC|  
 36.6-43.3| | | | -43 6470|10 35.2|-43 6.3|8.0 ZC|  
 37.0-42.9| | | | -42 6421|10 35.8|-42 37.9|9.1 ZC|  
 55.0-43.1|15032|10 55.0|-42 5.8|7.8| | | |  
 55.8-43.0|15049|10 55.6|-42 51|8| | | |  
 55.5-43.3|15043|10 55.4|-43 16|6.2| | | |  
 1.0-43.2| | | | -42 6714|10 59.6|-42 52.2|8.0 ZC|  
 18.6-43.7|14206|10 20.0|-43 3.2|8.2|-43 6229|10 18.9|-43 24.1|7.6 GC|  
 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[table]]

1900[A.G.C.^[[no.]]][R.A.^[[1900]]][Dec.^[[1900]]][Magn.|C.D.M.No.|R.A.|D  
ec.|Magn.]

10 25.7-42.6	14327	10 25.4	42	[[symbol-degree symbol]]					
33.7	7.2								
10 25.0-43.4		43 6308	10 24.3	43 13.9	9.0	ZC			
10 26.8-43.5		43 6327	10 25.7	43 18.9	9.4				
0 41.1-43.4		43 6524	10 39.5	43 12.3	9.0	ZC			
0 45.6-43.4		43 6572	10 43.5	43 8.5	8.7				
10 43.0-43.8		43 6553	10 41.4	43 37.1	8.0	ZC			
10 45.8-43.7		43 6576	10 43.9	43 37.4	8.1				
0 16.0-44.0		43 6183	10 16.0	43 45.6	8.1	ZC			
10 18.5-43.7	14201	10 19.6	43 45	7.5	43 6224	10 18.5	43		
36.7	7.7	GC							
0 23.6-43.8	14287	10 23.5	43 50	7					
0 26.2-43.8	14348	10 26.7	43 52	7.2					
0 27.3-44.0	14364	10 27.5	43 59	7.8					
28.3-44.2	14384	10 28.3	44 6	6.4					
45.2-43.9		43 6565	10 43.0	43 43.3	8.1	ZC			
0 49.0-43.9		43 6619	10 47.9	43 44.8	8.0	ZC			
10 50.0-44.2		44 6914	10 49.0	44 1.3	8.3	ZC			
2.0-44.0	15197	11 1.7	43 50	7.5	43 6788	11 0.6	43 41.6	7.8	GC
0 23.6-44.7	14289	10 23.6	44 36	7.8					
0 27.6-44.6	14373	10 27.7	44 33	6.2					
35.1-44.5		44 6692	10 33.6	44 12.0	8.6	ZC			
36.1-44.6		44 6708	10 34.8	44 24.3	8.1	ZC			
10 45.0-45.0		44 6822	10 43.2	44 38.6	8.1	ZC			
10 47.9-44.7		44 6860	10 46.1	44 22.5	8.4	ZC			
0 52.5-44.4	14980	10 52.7	44 16	8.2					
0 53.9-44.6	15006	10 53.9	44 24	7.5	44 6968	10 52.8	44 15.7	7.6	GC
0 17.0-45.0	14157	10 18.0	44 50	8.8	44 6427	10 17.0	44 42.0	8.1	GC
0 21.2-45.2	14254	10 21.9	45 4	7.5	44 6487	10 20.9	44 55.7	7.3	GC
0 37.5-45.4	14616	10 37.4	45 15	8	45 6308	10 36.3	45 7.2	7.5	GC

[[/table]]

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Plate 5167

[[table]]

V|H|Cl|Rem. No.|K line|Int|

---|---|---|---|---|---|  
22.2|7.2|A| |N|1|  
22.6|11.4|F|991|K=H|1|  
22.0|12.3|F|992|K=H|1|  
22.3|12.7|A| |K=H|1|  
22.6|14.6|A| |N|1|  
22.9|18.7|A| |N|1|  
22.2|20.5|H| |N|1|  
23.7|10.4|A| |N|2|  
23.8|14.0|A| |N|1|  
239|21.4|A| |N|1|  
24.5|12.0|G| |K=H|3|  
24.5|12.2|A| |N|2|  
24.0|17.5|F|993|K=H|1|  
4.6|9.8|A| |N|1|

[[/table]]

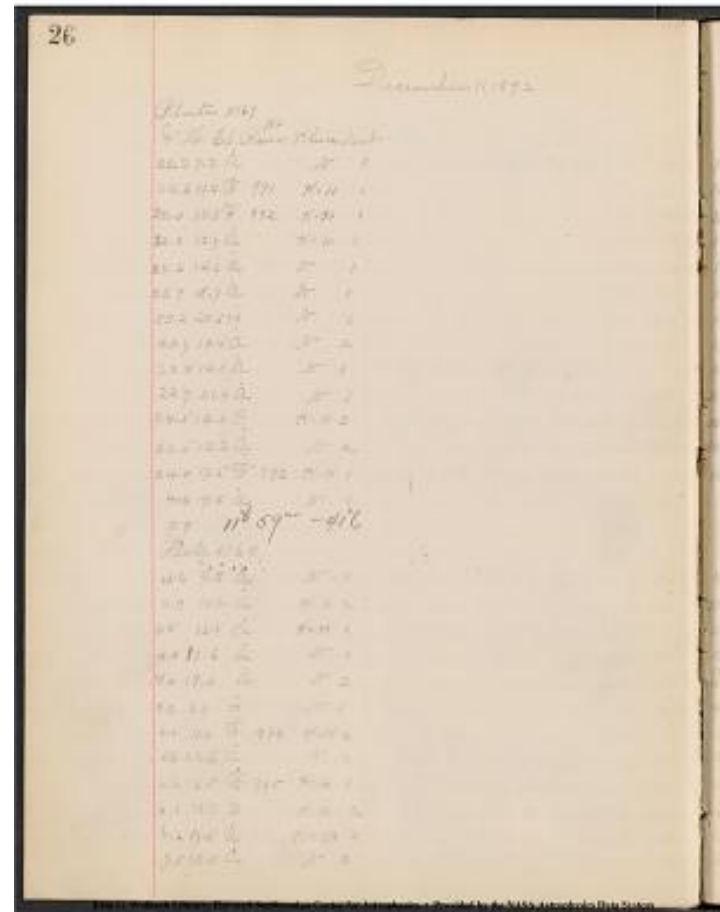
[[strickethrough]]3.9[[strickethrough]]11^[[h]]59^[[m]]-41[[symbol-degree  
symbol]]6

Plate 5168

[[table]]

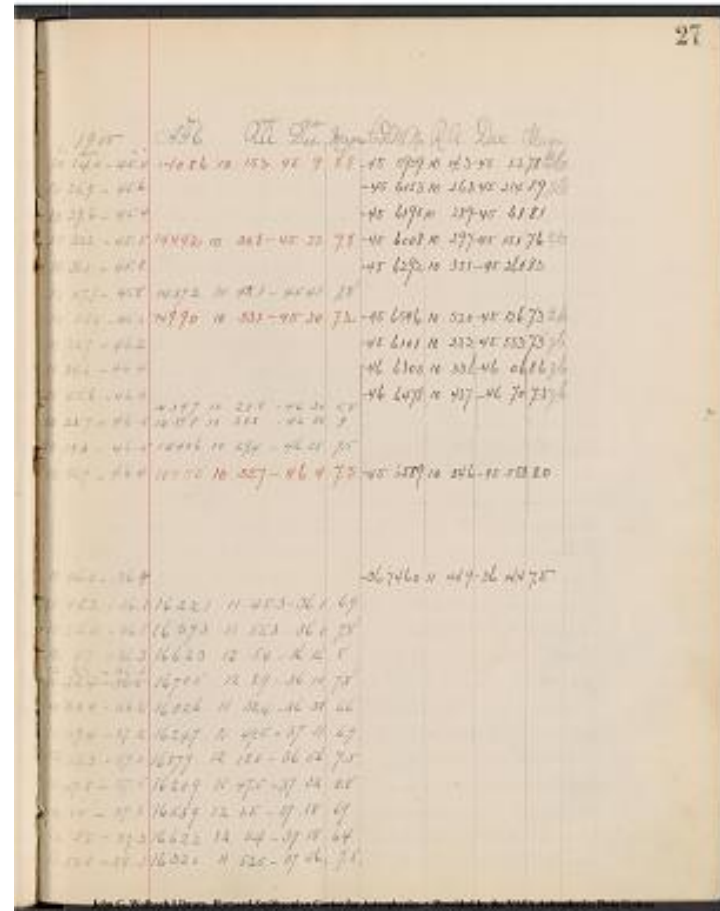
4.6|9.8|A| |N|1|  
3.9|10.6|A| |K=H|2|  
3.8|13.5|A| |K=H|1|  
4.3|17.6|A| |N|1|  
4.0|19.0|A| |N|2|  
5.2|6.7|H| |N|1|  
6.0|11.2|F|994|K=H|2|  
5.6|22.6|A| |N|2|  
6.6|10.5|F|995|K=H|1|  
6.1|15.9|G| |K=H|2|  
6.1|17.5|A| |K=0.3 H|3|  
7.5|12.5|A| |N|2|

[[/table]]



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[[preprinted]]27[[/preprinted]]  
[[table]]  
1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.	R.A.	Dec.	Magn
10^[[h]]14.0^[[m]]-45^[[symbol-degree symbol]]4^[[1]]14086|10 15.3|-  
45 9|8.8|-45 595|10 14.3|-45 1.2|7.8 GC|  
10 26.9 -45.6| | | -45 6153|10 26.3|-45 21.4|8.9 ZC|  
10 29.6-45.4| | | -45 6195|10 28.9|-45 6.1|8.1|  
10 30.2-45.5|14442|10 30.8|-45 23|7.8|-45 6008|10 29.7|-45 15.1|7.6  
GC|  
10 36.0-45.8| | | -45 6292|10 35.1|-45 26.0|8.3|  
10 47.7-45.8|14872|10 48.1|-45.41|7.8| | | |  
10 53.0-45.5|14990|10 53.1|-45 20|7.2|-45 6546|10 52.0|-45 12.6|7.3  
GC|  
10 23.7-46.2| | | | -45 6101|10 23.2|-45 55.3|7.3ZC|  
10 34.6-46.4| | | | -46 6300|10 33.6|-46 0.6|8.6ZC|  
10 55.6-46.4| | | | -46 6478|10 43.7|-46 7.0|7.3ZC|  
10 28.7-46.5|14398^[[14397]]|10^[[10]] 28.8^[[28.8]]-46^[[46]]  
30^[[30]]9^[[5.8]]| | | |  
10 29.3-46.5|14406|10 29.4|-46 28|7.5| | | |  
10 45.7-46.4|15055|10 55.7|-46 4|7.5|-45 6589|10 54.6|-45 55.8|8.0|  
11 46.0-36.4| | | | -367460|11 44.9|-36 14.4|7.5|  
11 48.2-36.1|16221|11 48.3|-36 1|6.9| | | |  
11 55.4-36.1|16093|11 55.3|-36 0|7.8| | | |  
12 5.7-36.3|16623|12 5.4|-36 16|8| | | |  
[[strikethrough]]11 38.4-36.6[[/strikethrough]]|12 9.1-36.2|16705|12 8.9|-  
36 10|7.8| | | |  
11 38.4-36.6|16-26|11 38.4|-36 38|6.6| | | |  
11 49.4-37.2|16247|11 49.5|-37 11|6.9| | | |  
12 18.3-37.0|16879|12 18.0|-36 56|7.5| | | |  
11 47.8-37.5|16209|11 47.5|-37 32|8.8| | | |  
12 1.5-37.3|16539|12 1.5|-37 18|6.9| | | |  
12 5.5-37.3|16622|12 5.4|-37 18|6.4| | | |  
11 524-38.1|16320|11 52.5|-37 56|7.5| | | |  
[[/table]]



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[[table]]

V|H|Cl|Rem. No.|K line|Int|

7.7|15.8|H| |K=H|1|

8.3|14.9|F|996|K=H|3|

8.8|15.9|A| |N|2|

8.2|18.6|B|999|N|3|

8.9|22.2|F|998|K=H|2|

8.3|22.7|A| |N|3|

8.4|22.9|A| |N|2|

8.9|24.4|A| |N|3|

9.8|11.9|G| |K=H|3|

9.7|12.8|A| |K=H|1|

9.3|20.6|H| |N|1|

9.3|21.0|A| |N|1|

9.1|22.6|A| |K=H|2|

10.0|10.2|A| |N|1|

[[11^[[V]]?]]~~10.0~~11.0|9.7|H| |K=H|1|

[[11.0?]]~~10.0~~11.0|10.3|H| |N|1|

10.7|20.2|H| |N|1|

10.7|20.7|E| |K=H|1|

10.7|20.8|A| |N|1|

11.5|8.0|H| |K=H|1|

[[? 8.5^[[H]]]]11.4~~11.5~~8.5|G| |K=H|3|

11.1|8.9|A| |N|1|

11.8|10.3|F|999|K=H|1|

12.9|6.5|F|1000|K=H|2|

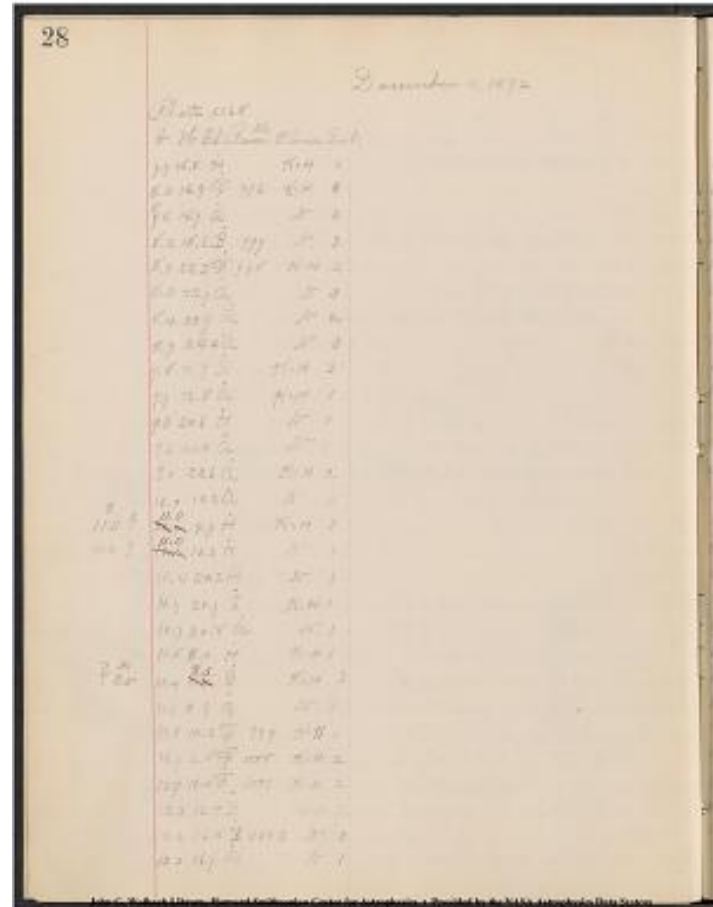
12.9|10.5|F|1001|K=H|2|

12.2|12.9|G| |K=H|2|

12.6|16.8|B|1002|N|3|

12.0|16.7|A| |N|1|

[[/table]]



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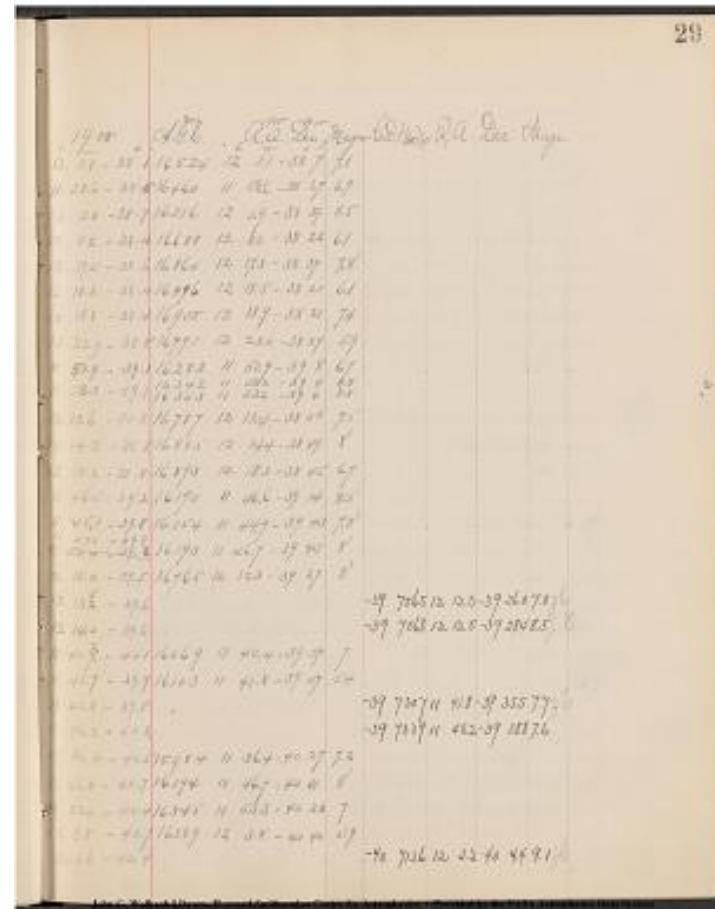
[[preprinted]]29[[/preprinted]]

[[table]]

1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.|R.A.|Dec.|Magn|

12 1.1 -38.1	16524	12 1.1 -38 7	7.1						
11 58.6 -38.5	16460	11 58.6 -38 27	6.9						
12 1.0 -38.7	16516	12 0.9 -38 39	8.5						
12 8.2 -38.4	16688	12 8.2 -38 22	6.1						
12 17.5 -38.6	16864	12 17.3 -38 37	7.8						
12 18.5 -38.4	16896	12 18.5 -38 21	6.1						
12 18.8 -38.4	16900	12 18.9 -38.21	7.4						
12 22.9 -38.5	16991	12 23.0 -38 29	5.9						
11 50.9 -39.1	16282	11 50.9 -39 8	6.7						
11 53.3 -39.1	16343	11 53.2	4	11 53.2					
4	8.8	9.8							
12 13.6 -38.8	16787	12 13.4 -38 51	7.5						
12 14.2 -38.8	16805	12 14.4 -38 49	8						
12 18.2 -38.8	16893	12 18.3 -38 45	6.7						
11 46.5 -39.2	16190	11 46.6 -39 14	8.5						
11 45.1 -39.8	16154	11 44.9 -39 43	7.8						
[[/strikethrough]]11 50.4 -39.3[[/strikethrough]]11 47.0 -39.9 16193 11									
46.7 -39 45 8									
12 12.0 -39.5	16765	12 12.3 -39 27	8						
12 13.5 -39.6		-39 7565	12 12.3 -39 26.0	7.0ZC					
12 14.0 -39.6		-39 7568	12 12.5 -39 284	8.5ZC					
11 40.0[[/strikethrough]]7[[/strikethrough]]2-40.1 16069 11 40.4 -39 57 7									
11 41.7 -39.9	16103	11 41.8 -39 57	5.4						
11 42.8 -39.8		-39 7307	11 41.8 -39 35.5	7.7ZC					
11 46.2 -40.2		-39 7339	11 45.2 -39 58.8	7.6					
11 36.4 -40.5	15984	11 36.4 -40 27	7.2						
11 46.8 -40.7	16194	11 46.7 -40 44	8						
11 53.4 -40.4	16345	11 53.3 -40 23	7						
12 3.8 -40.7	16589	12 3.8 -40 40	5.9						
12 3.6 -40.4		-40 7126	12 2.2 -40 4.4	9.1ZC					

[[/table]]



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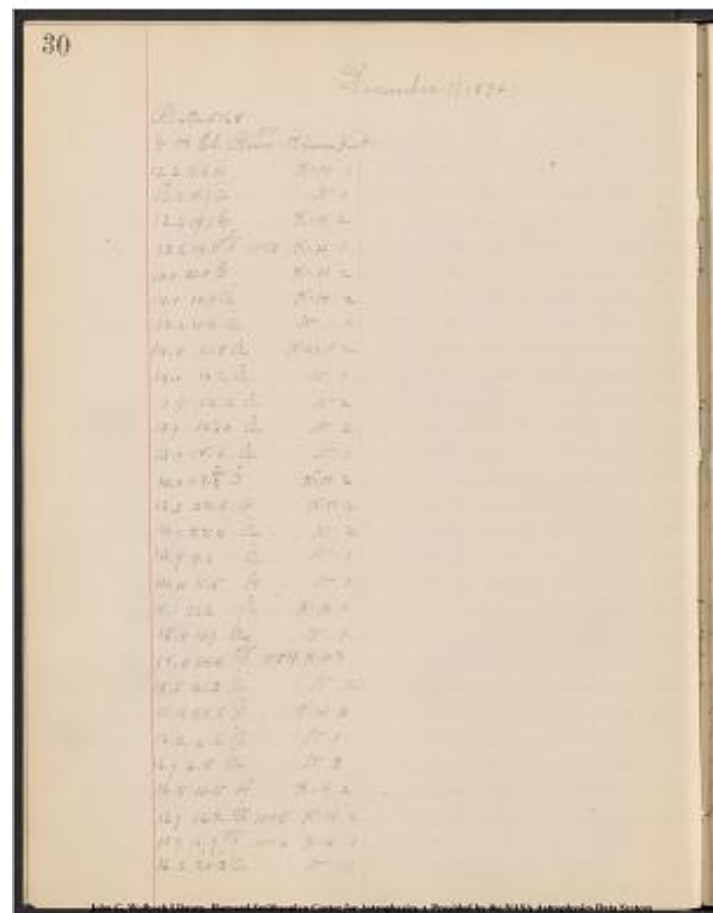
Plate 5168

[[table]]

V|H|Cl|Rem. No.|K line|Int|

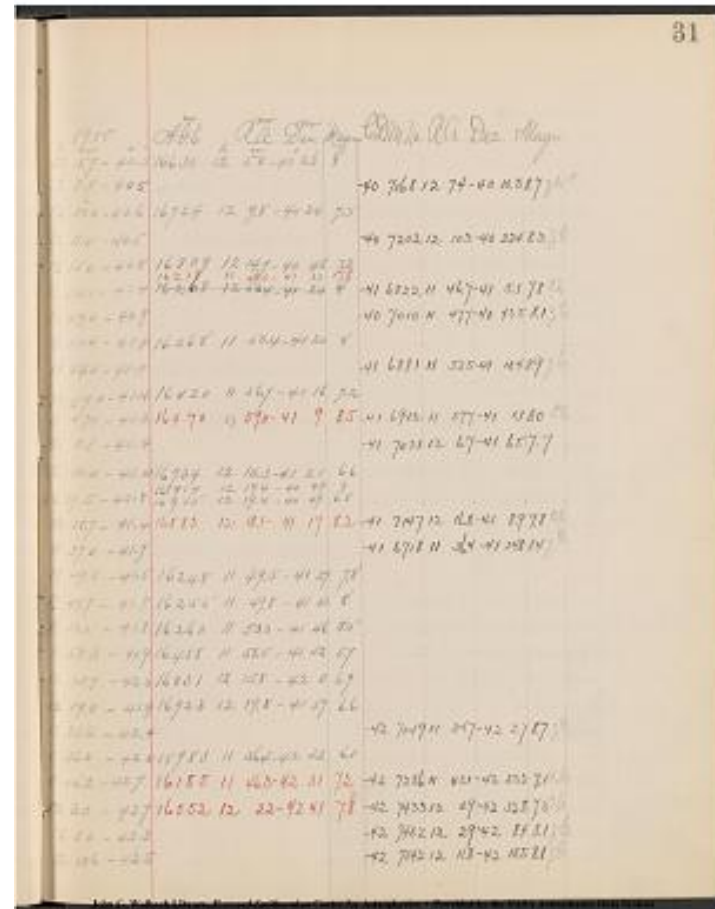
12.2	17.6	H	K=H 1
12.2	18.7	A	N 1
12.6	19.1	G	K=H 2
12.6	19.8	F	1003 K=H 1
13.0	21.0	G	K=H 2
14.0	10.9	A	K=H 2
13.2	11.3	A	N 1
14.0	11.8	A	K=0.3 H 2
14.0	13.2	A	N 1
13.9	14.2	A	N 2
13.7	15.0	A	N 2
13.9	18.4	A	N 1
14.0	19.	<del>[[/strikethrough]]</del>	<del>7</del> [[/strikethrough]]2 G   K=H 2
13.3	22.8	G	K=H 2
14.1	22.3	A	N 2
14.9	7.1	A	N 1
14.4	11.5	H	N 1
15.1	11.6	A	K=H 1
15.0	11.7	A	N 1
15.0	14.8	F	1004 K=H 3
15.5	21.3	A	N 2
15.4	22.8	G	K=H 2
16.2	6.6	A	N 1
16.7	6.8	A	N 3
16.5	10.5	H	K=H 2
16.7	16.2	F	1005 K=H 2
15.9	16.9	F	1006 K=H 1
16.2	20.3	A	N 1

[[/table]]



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[[preprinted]]31[[/preprinted]]  
[[table]]  
1900|A.G.C no.|R.A. 1900|Dec. 1900|Magn.|C.D.M.  
No.|R.A.|Dec.|Magn.|  
|---|---|---|---|---|  
12^[[h]] 5.7^[[m]]-40^[[0]].5^[[1]]|16630|12^[[h]] 5.8^[[m]]-40^[[0]]  
23^[[1]]|  
12 8.7-40.5| | | |40 7168|12 7.4-40 10.3|8.7 ZC|  
12 10.0-40.6|16724|12 9.8-40 34|7.5| | | |  
12 11.4-40.5| | | |40 7202|12 10.3-40 22.4|8.3 ZC|  
12 15.0-40.8|16609|12 14.7-40 48|7.2| | | |  
11 50.1-41.4|[[strikethrough]]16268|12 50.4-41  
20|8|[[strikethrough]]16218|11 48.0-41 13|7.8-41 6822|11 46.7-41  
5.1|7.8 GC|  
11 49.0-40.9| | | |40 7010|11 47.7-40 43.5|8.1 ZC|  
11 50.4-41.4|16268|11 50.4|41 20|8| | | |  
11 54.0-41.4| | | |41 6881|11 52.5-41 10.4|8.9 ZC|  
11 57.0-41.4|16420|11 56.7-41 16|7.2| | | |  
11 57.4-41.3|16470|11 59.0-41 9|8.5-41 6942|11 57.7-41 1.1|8.0 GC|  
12 8.1-41.4| | | |41 7031|12 6.7-41 6.5|7.7|  
12 10.4-41.4|16734|12 10.3-41 21|6.6| | | |  
12 19.5-40.8|16915^[[16914]]|12^[[12]] 19.4^[[19.4]]-40^[[40]]  
49^[[49]]|6.8^[[9]]| | | |  
12 18.7-41.4|16883|12 18.1-41 17|8.2-41 7147|12 16.8-41 8.9|7.8 GC|  
11 37.0-41.7| | | |41 6718|11 36.4-41 24.8|8.4 ZC|  
11 49.5-41.5|16248|11 49.5-41 29|7.8| | | |  
11 49.7-41.9|16255|11 49.8-41 50|8| | | |  
11 50.0-41.8|16260|11 50.0-41 46|8.5| | | |  
11 58.3-41.9|16458|11 58.5-41 52|5.7| | | |  
12 15.7-42.0|16831|12 15.8-42 0|6.9| | | |  
12 19.8-41.9|16923|12 19.8-41 57|6.6| | | |11 35.6-42.4| | | |  
-42 7149|11 34.7-42 2.7|8.7 ZC|  
11 36.3-42.5|15983|11 36.4-42 32|6.1| | | |  
11 46.2-42.7|16185|11 46.3-42 31|7.2-42 7256|11 45.1-42 23.2|7.1  
GC|  
12 3.0-42.7|16552|12 2.2-42 41|7.8-42 7433|12 0.9-42 32.8|7.3 GC|  
12 5.0-42.3| | | |42 7452|12 2.9-42 8.4|8.1 ZC|  
12 13.6-42.5| | | |42 7542|12 11.8-42 15.5|8.1 ZC|  
[[/table]]



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December 11, 1892

Plate 5168

[[table]]

V|H|Cl|Rem. No.|K line|Int|

17.9|11.5|A|1|N|1|

17.5|11.8|H| |N|1|

17.7|12.9|A| |K=H|2|

17.2|13.1|E| |K=H|1|

18.7|7.1|F|1007|K=H|1|

18.1|10.5|A| |N|3|

18.5|14.9|F|1008|K=H|1|

18.8|16.8|A| |N|3|

18.7|17.7|F|1009|K=H|2|

18.5|19.0|H| |N|1|

18.2|18.1|H| |N|1|

18.6|20.3|H| |N|1|

18.8|21.3|A| |N|1|

[[/strikethrough]]10[[/strikethrough]]20.0|6.5|A| |N|1|

19.3|12.2|A| |N|1|

20.0|13.8|F|1010|K=H|1|

20.0|10.7|A| |N|2|

20.0|18.2|H| |N|1|

19.9|23.1|A| |K=H|2|

19.6|23.2|A| |N|1|

20.5|7.7|A| |N|1|

20.5|7.9|A| |N|1|

20.4|10.6|K| |K=H|3|

20.5|11.8|A| |N|1|

20.9|12.9|A| |N|1|

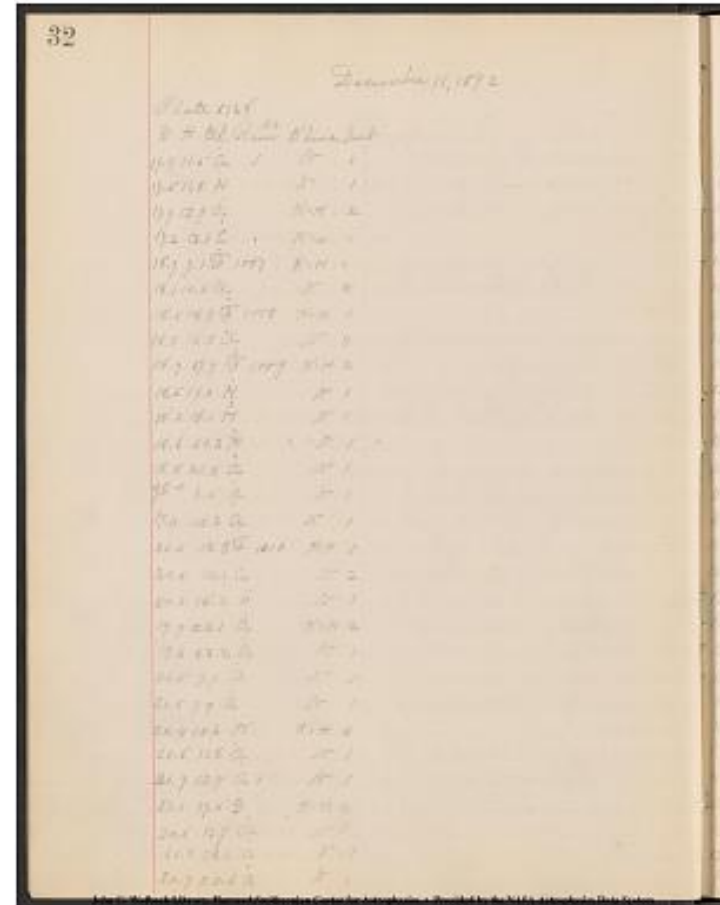
21.0|17.5|I| |K=H|2|

20.5|17.8|A| |N|1|

20.8|2[[/strikethrough]]0[[/strikethrough]]1.6|A| |N|1|

20.7|23.6|A| |N|1|

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[table]]

1900[A.G.C.^[[No.]]|R.A.^[[1900]]|Dec.^[[1900]]|Magn|C.D.M.  
No.|R.A.|Dec.|Magn.]

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

11^[[h]] 48.8^[[m]]-43^[[symbol-degree symbol]] 4^[[1]]|16238|11^[[h]]

48.9^[[m]]-43^[[symbol-degree symbol]] 14^[[1]]|8.2| | | |

11 49.8-43.2|16251|11 49.6|-43 6|8.8| | | |

11 53.0-43.3|16350|11 53.5|-42 52|8|-42 7339|11 52.2|-42 44.7|7.4GC|

11 53.8-43.0|16332|11 52.8|-43 9|8.5|-43 7386|11 51.5|-43 1.4|7.7GC|

11 36.6-43.7|15995|11 37.0|-43 33|8.5|-43 7230|11 35.8|-43

24.6|8.1GC|

11 46.2-43.4|16181|11 46.2|-43 22|6.9| | | |

11 59.3-43.6|16463|11 58.6|-43 34|8.5|-43 7446|11 57.4|-43

25.9|8.4GC|

11 59.3-43.6|16464|11 58.7|-43 33|8.8|-43 7446|11 57.4|-43

25.9|8.4GC|

12 3.7-43.8|16588|12 3.7|-43 46|6.1| | | |

12 6.3-43.7|16641|12 6.3|-43 43|7.0| | | |

12 10.0-43.7| | | | -43 7560|12 8.3|-43 24.8|8.0|

12 7.5-43.6| | | | -43 7533|12 5.9|-43 18.2|8.3|

12 13.8-43.8| | | | -43 7592|12 12.0|-43 26.9|8.6ZC|

12 17.0-43.9|16839|12 16.2|-43 42|8|-43 7624|12 14.9|-43 34.4|7.8GC|

11 33.6-44.3| | | | -43 7213|11 33.6|-43 57.0|8.2ZC|

11 50.1-44.1| | | | -43 7370|11 49.5|-43 48.8|8.9ZC|

11 54.5-44.5|16388|11 55.1|-44 18|8.2|-44 7695|11 53.8|-44 9.8|7.7GC|

12 3.7-44.5|16583|12 3.6|-44 22|8.2| | | |

12 3.8-44.5| | | | -44 7861|12 6.4|-44 11.9|8.5|

12 22.0-44.2|16949|12 21.2|-44 11|7.5|-44 8006|12 19.9|-44 3.4|7.7GC|

12 21.8-44.4| | | | -43 7674|12 20.1|-43 47.3|8.3ZC|

11 37.8-44.5| | | | -44 7525|11 36.8|-44 15.0|8.6ZC|

11 38.2-44.5|16030|11 38.5|-44 26|8.8| | | |

11 46.1-44.6|16179|11 46.1|-44 37|5.0| | | |

11 50.8-44.6| | | | -44 7648|11 48.3|-44 23.2|8.6|

11 53.0-44.9| | | | -44 7677|11 51.4|-44 38.6|9.0ZC|

12 58.4-44.9|16632|12 5.9|-44 52|7.0| | | |

12 6.3-44.6| | | | -44 7855|12 5.4|-44 25.1|8.8ZC|

12 17.8-44.8| | | | -44 7958|12 15.8|-44 28.1|8.8|

12 23.7-44.9| | | | -44 8021|12 21.3|-44 2389.1ZC|

[[/table]]



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[[table]]

V|H|C|Rem. No.|K line|Int|

21.9|7.5|A| |K=H|1|

21.7|8.7|A| |N|3|

21.8|13.5|A| |N|2|

22.0|15.7|A| |N|1|

21.3|16.3|A| |N|2|

21.6|18.6|I| |K=H|2|

21.1|19.9|A| |N|2|

21.7|21.7|A| |N|1|

21.7|22.6|A| |N|1|

22.2|6.1|A| |K=H|2|

22.6|6.7|A| |N|1|

22.5|10.1|A| |N|1|

23.3|10.5|A| |K=H|1|

23.5|13.6|F|1011|K=H|2|

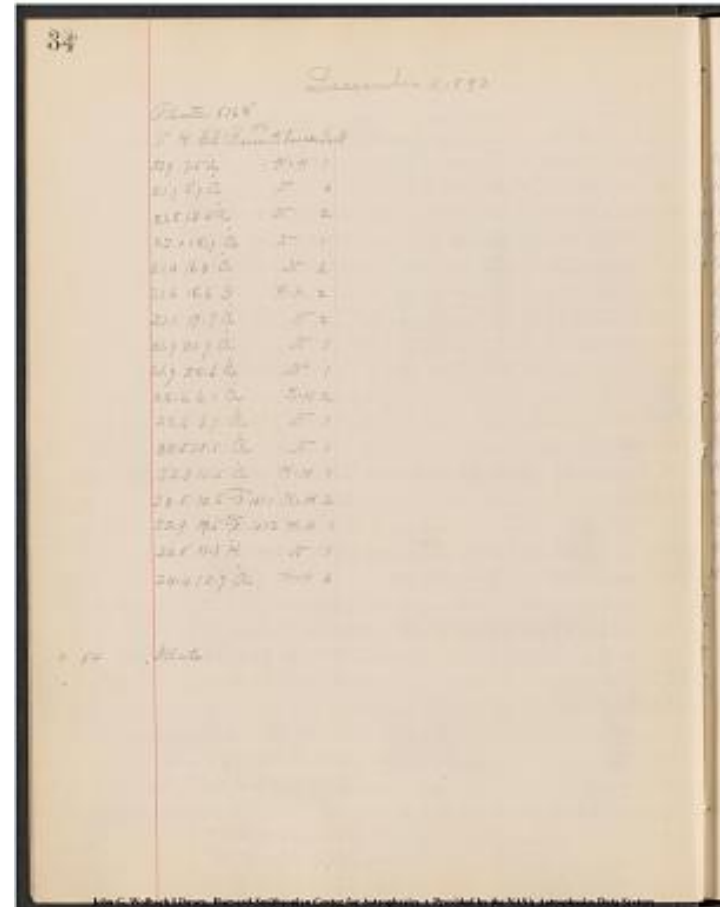
22.9|18.5|F|1012|K=H|1|

23.8|11.6|H| |N|1|

24.4|12.7|A| |K=H|3|

[[/table]]

0 54 Plate



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[[table]]

1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.|R.A.|Dec.|Magn.]

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

11^[[h]]36.2^[[m]]-45^[[symbol-degree symbol]]2^[[1]] | | | -44  
7516|11 35.9|-44 57.5|8.0 ZC|

11 40.7-45.1|17384|11 40.4|-45 9|9 | | |

11 54.0-45.3 | | | -45 7438|11 52.8|-45 8.2|6.6 N.A|

12 1.1-45.4 | | | -45 7529|11 59.7|-45 11.6|8.9 ZC|

12 2.5-45.2|16555|12 2.4|-45 1|7.2|-44 7791|12 1.1|-44 53.2|7.5 G.C|

12 8.8-45.2|16700|12 8.8|-45 10|6.5 | | |

12 13.0-44.9|16767|12 12.5|-44 50|8.2|-44 7914|12 11.2|-44 41.9|7.9  
G.C|

12 18.0-45.3 | | | -44 7964|12 16.2|-44 57.8|7.4 ZC|

12 21.0-45.2 | | | -44 7996|12 18.8|-44 55.8|8.9 Z.C|

11 32.8-45.4|15876|11 32.2|-45 21|9 | | |

11 34.5-45.6|15935|11 34.9|-45 25|8|-45 7178|11 33.7|-45 17.0|77 G.C|

11 44.8-45.6|16146|11 44.4|-45 30|8 | | |

11 45.8-46.0|16165|11 45.4|-45 54|8.2|-45 7326|11 44.2|-45 46.3|8.3  
G.C|

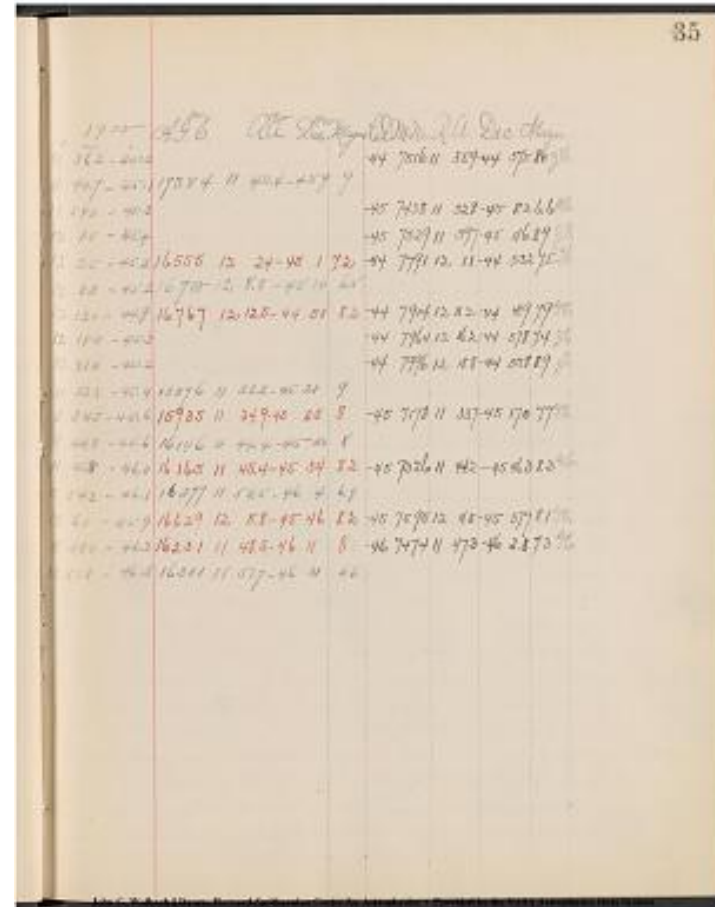
11 54.3-46.1|16377|11 54.5|-46 4|6.9 | | |

12 6.0-45.9|16629|12 5.8|-45 46|8.2|-45 7595|12 4.5|-45 37.7|8.1 G.C|

11 48.0-46.3|16231|11 48.5|-46 11|8|-46 7474|11 47.3|-46 2.8|7.3 G.C|

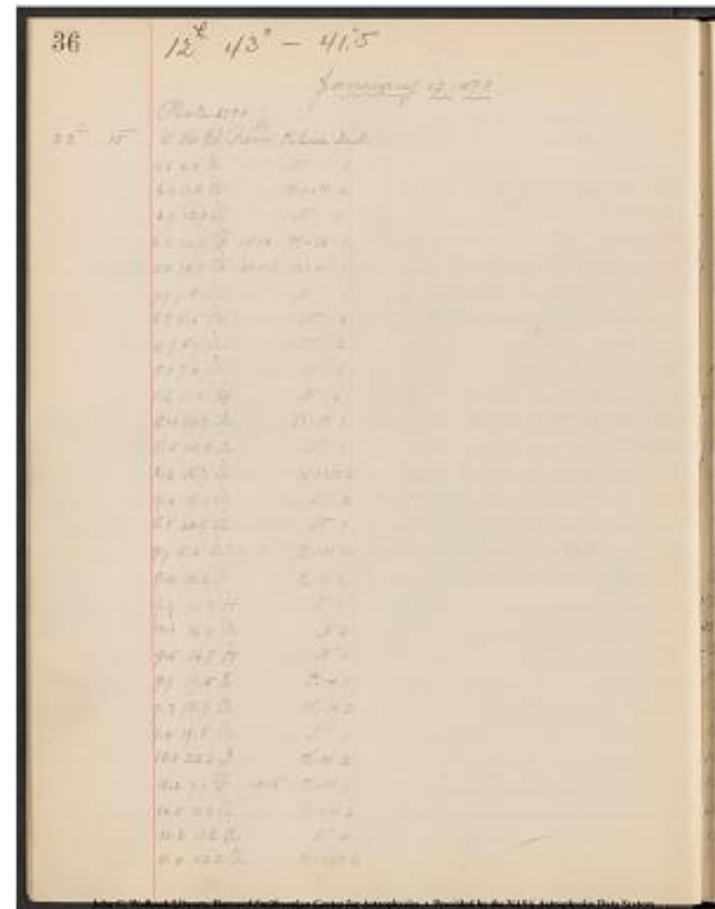
11 51.8-46.5|16301|11 51.7|-46 31|6.6 | | |

[[/table]]



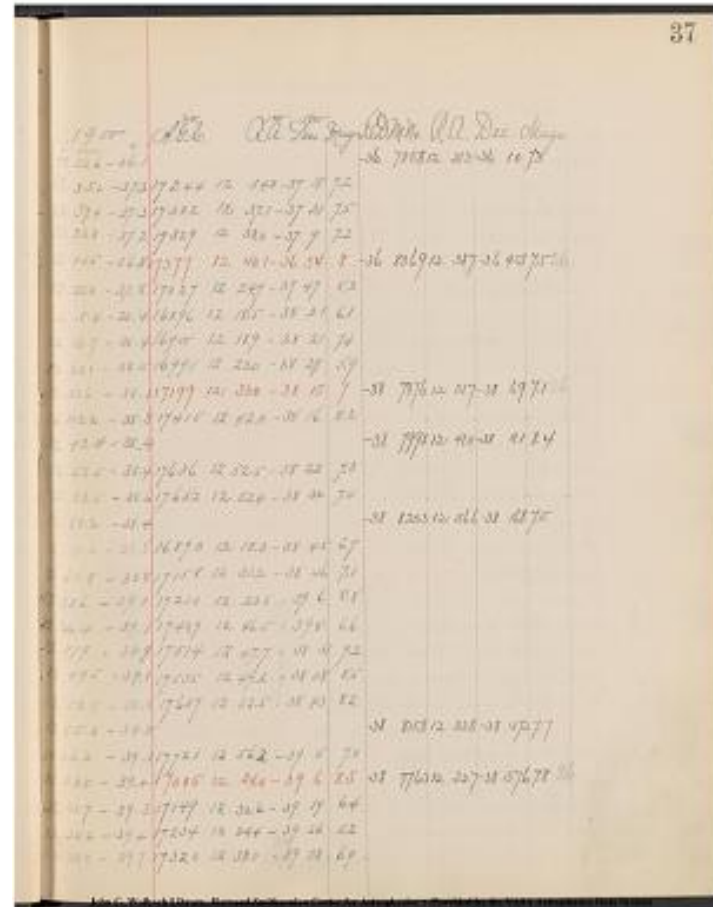
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 12<sup>h</sup> 43<sup>m</sup> 41.5<sup>s</sup> -41.5<sup>s</sup>  
 January 12 1893  
 Plate 5190  
V	H	Cl	Rem. No.	K line	Int
 4.6|6.8|A| |N|1|  
 6.6|11.8|A| |K=0.5H|2|  
 6.7|12.7|A| |N|1|  
 6.2|13.2|F|1013|K=H|1|  
 5.8|13.9|F|1014|K=H|1|  
 7.7|7.8|A| |N|1|  
 8.9|5.5|A| |N|3|  
 8.9|5.7|A| |N|2|  
 9.0|7.3|A| |N|2|  
 8.6|11.2|H| |N|1|  
 8.4|14.7|A| |K=H|1|  
 8.5|14.8|A| |N|1|  
 8.6|18.7|A| |K=0.3H|2|  
 9.0|19.1|A| |N|1|  
 8.8|20.9|A| |N|1|  
 9.7|5.5|A| |K=H|2|  
 9.4|10.5|G| |K=H|2|  
 9.6|11.3|G| |N|1|  
 10.0|16.4|A| |N|3|  
 9.5|16.9|H| |N|1|  
 9.7|17.5|E| |K=H|1|  
 9.3|18.7|A| |K=H|2|  
 9.4|19.8|A| |N|1|  
 10.0|20.2|G| |K=H|2|  
 10.3|7.7|F|1015|K=H|1|  
 10.5|10.3|A| |K=0.8H|3|  
 10.6|11.8|A| |N|4|  
 11.0|13.2|A| |K=0.8H|3|  
 [[/table]]



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[[table]]  
1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.|R.A.|Dec.|Magn|  
|---|---|---|---|---|  
12^[[h]]22.6^[[m]]-36^[[symbol-degree symbol]].1^[[1]] | | | -36  
7858|12 21.3|-36 1.0|7.3  
12 35.0 -37.3|17244 12|34.8|-37 18|7.2| | | |  
12 37.4 -37.3|17302 12|37.1|-37 21|7.5| | | |  
12 38.3 -37.2|17329 12|38.3|-37 9|7.2| | | |  
12 40.5 -36.8|17377 12|40.1|-36 54|8|-36 8069|12 38.7|-36 45.8|7.5 GC|  
12 25.0 -37.8|17027 12|24.7|-37 47|8.2| | | |  
12 18.4 -38.4|16896 12|18.5|-38 21|6.1| | | |  
12 18.7 -38.4|16900 12|18.9|-38 21|7.4| | | |  
12 23.1 -38.5|16991 12|23.0|-38 29|5.9| | | |  
12 33.6 -38.1|17199 12|33.0|-38 15|7|-38 7876|12 31.7|-38 6.9|7.1 GC|  
12 42.2 -38.3|17415 12|42.0|-38 16|8.2| | | |  
12 42.4 -38.4| | | |-38 7995|12 41.0|-38 11.1|8.4  
12 52.5 -38.4|17636 12|52.5|-38 22|7.0| | | |  
12 53.5 -38.6|17652 12|53.4|-38 34|7.4| | | |  
12 58.2 -38.4| | | |-38 8203|12 56.6|-38 16.8|7.5  
12 18.2 -38.8|16893 12|18.3|-38 45|6.7| | | |  
12 30.8 -38.8|17158 12|31.2|-38 46|7.1| | | |  
12 33.6 -39.0|17210 12|33.5|-39 6|8.8| | | |  
12 46.4 -39.1|17489 12|46.5|-39 8|6.6| | | |  
12 47.9 -38.9|17514 12|47.7|-38 51|7.2| | | |  
12 49.5 -39.1|17555 12|49.2|-38 58|8.5| | | |  
12 52.5 -38.8|17637 12|52.2|-38 43|8.2| | | |  
12 55.3 -38.8| | | |-38 8158|12 53.8|-38 37.2|7.7  
12 56.2 -39.1|17721 12|56.2|-39 5|7.0| | | |  
12 23.8 -39.4|17005 12|24.0|-39 6|8.5|-38 7763|12 22.7|-38 57.6|7.8  
GC|  
12 30.7 -39.3|17149 12|30.6|-39 19|6.4| | | |  
12 34.2 -39.4|17234 12|34.4|-39 26|5.2| | | |  
12 38.0 -39.7|17320 12|38.0|-39 38|6.9| | | |  
[[/table]]



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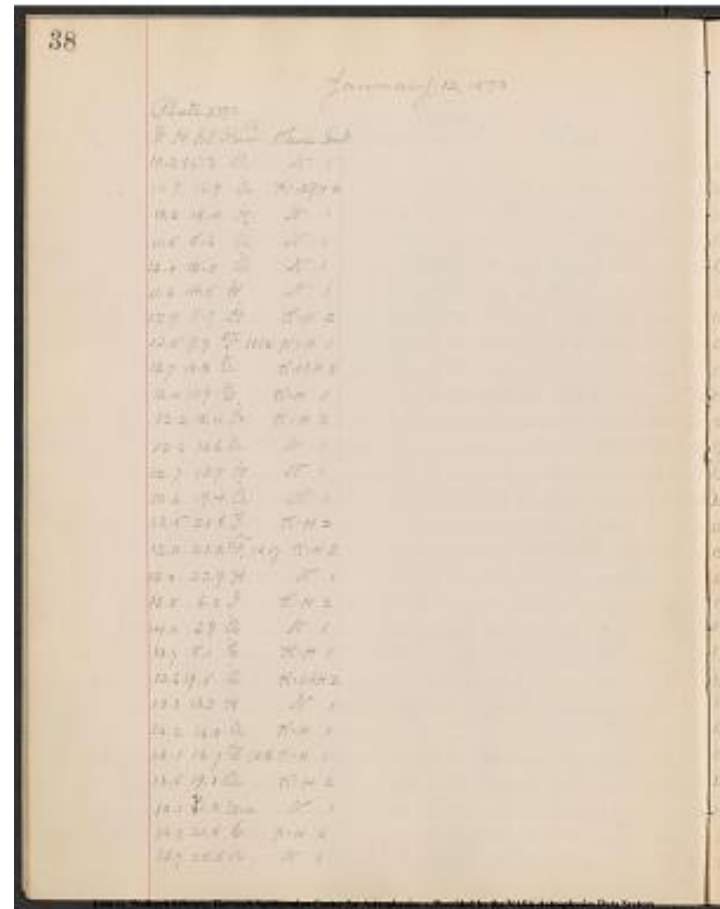
January 12, 1893

Plate 5190

|V|H|C|Rem. No.|K line|Int|

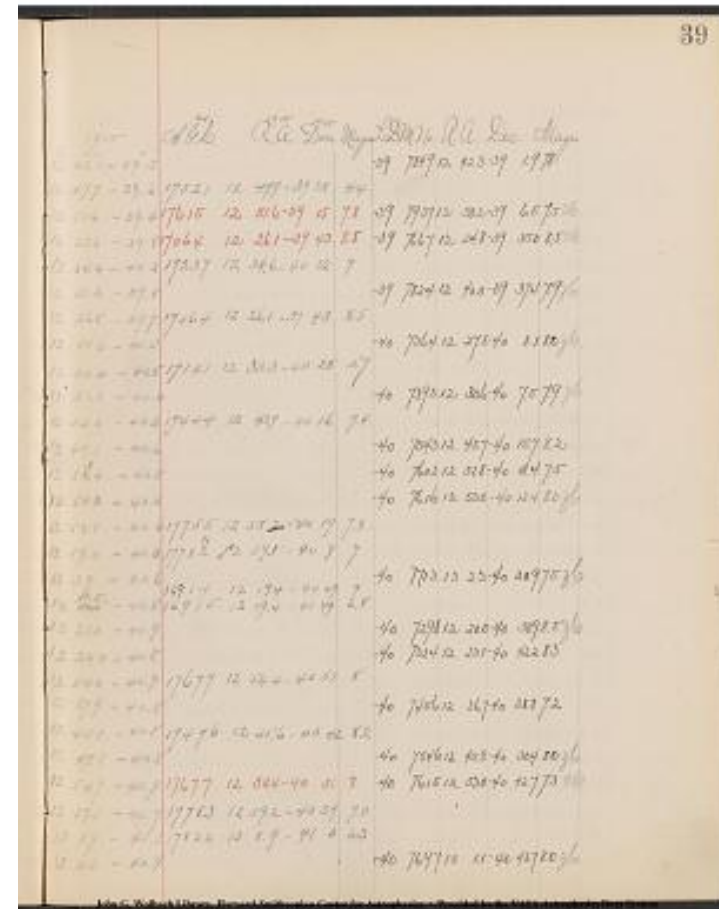
10.2	15.3	A	N 1
10.9	16.9	A	K=0.9H 4
10.3	18.4	H	N 1
11.5	8.6	A	N 1
12.0	12.0	A	N 1
11.3	14.5	H	K=H 2
12.5	9.7	F 1016	K=H 1
12.7	10.3	A	K=0.9H 3
12.4	10.9	E	K=H 1
12.2	1.54	I	K=H 2
12.6	16.6	A	N 1
12.7	18.9	H	N 1
12.5	20.8	I	K=H 2
12.2	21.2	F 1017	K=H 2
13.0	22.9	H	N 1
13.8	6.2	I	K=H 2
13.0	22.9	H	N 1
13.8	6.2	I	K=H 2
14.0	6.9	A	N 1
13.7	8.1	E	K=H 1
13.6	19.5	A	K=0.5H 2
13.3	13.3	H	N 1
13.2	16.0	A	K=H 1
13.1	16.7	F 1018	K=H 1
13.5	19.3	A	K=H 2
13.1	<del>1</del>	<del>1</del>	<del>1</del>
13.9	21.8	G	K=H 3
19.7	22.5	A	N 1

[[/table]]



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[[preprinted]]39[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M. No.|  
 R.A.|Dec.|Magn|  
 |---|---|---|---|---|  
 12<sup>h</sup>43.1<sup>m</sup>39<sup>s</sup>3<sup>°</sup>11' | | | |39  
 7849|12 42.3|39 1.9|7.8|  
 12 47.7-39.6|17521|12 47.9|-39 38|4.4| | | |  
 12 51.6-39.4|17615|12 51.6|-39 15|7.8|-39 7937|12 50.2|-39 6.5|7.5 GC|  
 12 25.3-39.8|17064|12 26.1|-39 43|8.5|-39 7667|12 24.8|-39 35.0|8.5  
 G.C|  
 12 34.4-40.2|17237|12 34.6|-40 12|9| | | |  
 12 41.2-39.8| | | |39 7824|12 40.0|-39 37.4|7.9 ZC|  
 12 26.5-39.7|17064|12 26.1|-39 43|8.5| | | |  
 12 28.6-40.5| | | |40 7364|12 27.5|-40 8.1|8.0 ZC|  
 12 30.4-40.5|17141|12 30.3|-40 28|5.7| | | |  
 12 31.8-40.4| | | |40 7393|12 30.6|-40 7.5|7.9 ZC|  
 12 44.0-40.3|17444|12 43.9|40 16|7.4| | | |  
 12 47.1-40.6| | | |40 7543|12 45.7|-40 15.7|8.2|  
 12 5~~[[/strickethrough]]~~4~~[[/strickethrough]]~~3.4-40.5| | | |40 7602|12  
 51.8|-40 18.4|7.5|  
 12 54.3-40.4| | | |40 7616|12 53.0|-40 12.4|8.3 ZC|  
 12 58.1-40.4|17755|12 58.2|-40 19|7.3| | | |  
 12 59.0-40.3|17782|12 56.1|-40 9|7| | | |  
 13 3.9-40.6| | | |40 1713|13 2.3|-40 20.9|7.5 ZC|  
 12 ~~[[/strickethrough]]~~40.5~~[[/strickethrough]]~~19.5-40.8|16915<sup>h</sup>16914<sup>m</sup>12  
 19.4<sup>h</sup>12 19.4<sup>m</sup>40 49<sup>s</sup>6.8<sup>°</sup>9' | | | |  
 12 21.0-40.9| | | |40 7298|12 20.0|-40 50.9|8.5 ZC|  
 12 24.4-40.8| | | |40 7324|12 23.1|-40 42.4|8.3|  
 12 54.6-40.9|17677|12 54.4|-40 51|8| | | |  
 12 37.9-40.8| | | |40 7456|12 36.7|40 38.8|7.2|  
 12 45.8-40.8|17476|12 45.6|-40 42|8.2| | | |  
 12 47.1-40.8| | | |40 7546|12 45.8|-40 30.4|8.0 ZC|  
 12 54.7-40.9|17677|12 54.4|-40 51|8|-40 7615|12 53.0|-40 42.7|7.3 GC|  
 12 59.1-40.7|17783|12 59.2|-40 39|7.0| | | |  
 13 0.9-41.1|17822|13 0.9|-41 3|6.3| | | |  
 13 2.2-40.9| | | |40 7697|13 1.1|-40 43.7|8.0 ZC.C|  
 [[/table]]



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January 12, 1893

Plate 5190

[[table]]

V|H|C|Rem. No.|K line|Int|

14.7|5.8|A| |N|2|

14.2|8.2|Ma| |N|2|

13.9|8.7|A| |N|2|

14.7|9.6|F|1019|K=N|2|

14.5|11.7|A| |N|1|

14.8|13.6|F|1020|K=H|2|

[[Meas ? ?]]14.4|15.2|A| |N|1|

14.5|18.2|E| |K=H|1|

15.9|6.5|G| |K=H|1|

15.3|10.5|F|1021|K=H|3|

15.9|15.3|F|1022|K=H|1|

15.2|17.5|B|1023|N|2|

15.7|19.4|A| |K=H|3|

15.4|23.5|F|1024|K=H|1|

16.6|8.4|Ma| |N|1|

16.4|10.6|E| |K=H|1|

16.5|14.7|H| |N|1|

16.8|16.9|A| |K=0.6H|2|

16.8|19.5|H| |N|1|

16.4|24.1|G| |K=H|3|

17.7|10.8|H| |N|1|

17.1|14.6|H| |N|1|

17.3|15.0|A| |N|1|

18.0|15.2|A| |N|1|

18.0|19.0|H| |N|1|

17.5|20.2|A| |N|1|

17.6|23.4|H| |K=H|3|

17.3|24.4|H| |N|2|

[[/table]]

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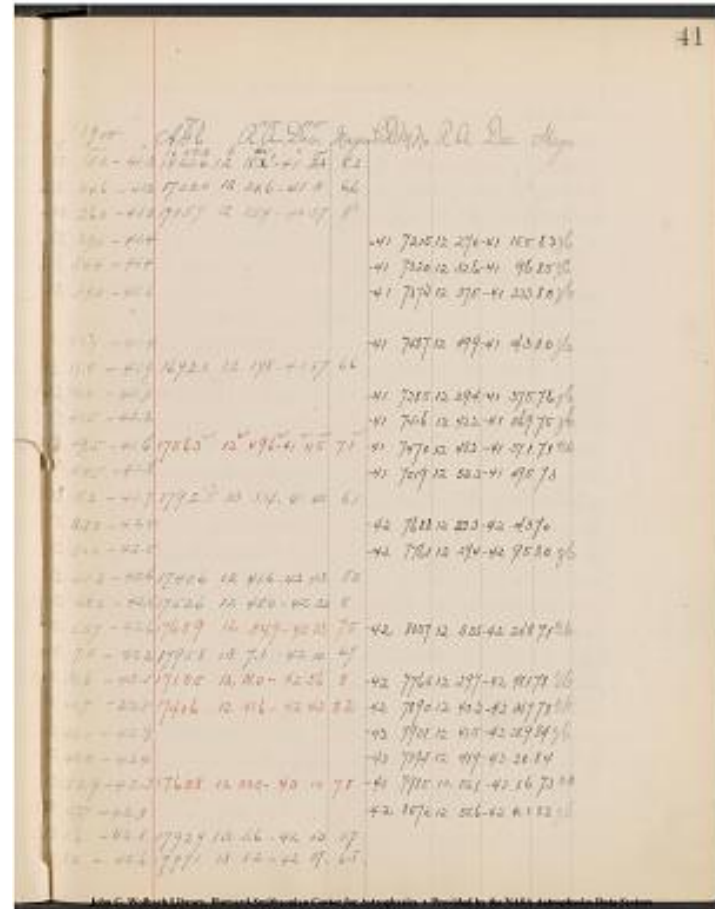
January 12, 1893

Plate 5190

V	H	C	Rem. No.	K line	Int
14.7	5.8	A		N	2
14.2	8.2	Ma		N	2
13.9	8.7	A		N	2
14.7	9.6	F	1019	K=N	2
14.5	11.7	A		N	1
14.8	13.6	F	1020	K=H	2
14.4	15.2	A		N	1
14.5	18.2	E		K=H	1
15.9	6.5	G		K=H	1
15.3	10.5	F	1021	K=H	3
15.9	15.3	F	1022	K=H	1
15.2	17.5	B	1023	N	2
15.7	19.4	A		K=H	3
15.4	23.5	F	1024	K=H	1
16.6	8.4	Ma		N	1
16.4	10.6	E		K=H	1
16.5	14.7	H		N	1
16.8	16.9	A		K=0.6H	2
16.8	19.5	H		N	1
16.4	24.1	G		K=H	3
17.7	10.8	H		N	1
17.1	14.6	H		N	1
17.3	15.0	A		N	1
18.0	15.2	A		N	1
18.0	19.0	H		N	1
17.5	20.2	A		N	1
17.6	23.4	H		K=H	3
17.3	24.4	H		N	2

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 [[table]]  
 1900|A.G.C no.|R.A. 1900|Dec. 1900|Magn.|C.D.M.  
 No.|R.A.|Dec.|Magn.|  
 |---|---|---|---|---|  
 12<sup>h</sup>|18.0<sup>m</sup>|4.1|[[symbol-degree]]  
 symbol|18226|16883|12<sup>h</sup>|  
 18.2|17<sup>m</sup>|4.1|[[symbol-degree]]  
 symbol|23|17|8.2| | | |  
 12 24.6-41.2|17020|12 24.6|-41 11|6.6| | | |  
 12 26.0-41.0|17059|12 25.9|-40 57|8| | | |  
 12 29.0-41.4| | | |-41 72|15|12 27.0|-41 15.5|8.3ZC|  
 12 34.4-41.4| | | |-41 7320|12 32.6|-41 9.6|8.5ZC|  
 12 39.0-41.6| | | |-41 7374|12 37.5|-41 23.3|8.0ZC|  
 12 50.9-41.4| | | |-41 7487|12 49.9|-41 14.3|8.0ZC|  
 12 19.8-41.9|16923|12 19.8|-41 57|6.6| | | |  
 12 30.0-41.9| | | |-41 7285|12 29.4|-41 37.5|7.6ZC|  
 12 41.5-42.2| | | |-41 7416|12 42.2|-41 56.9|7.5ZC|  
 12 49.5-41.6|17563|12 49.6|-41 45|7.1|-41 7470|12 482|-41 37.1|7.1GC|  
 12 54.5-41.8| | | |-41 7519|12 53.3|-41 49.5|7.3|  
 13 5.3-41.7|17925|13 5.4|-41 42|6.1| | | |  
 12 23.8-42.5| | | |-42 7688|12 22.3|-42 14.3|7.0|  
 12 30.0-42.5| | | |-42 7761|12 29.4|-42 9.5|8.0ZC|  
 12 41.3-42.6|17406|12 41.6|-42 43|8.2| | | |  
 12 48.0-42.5|17526|12 48.0|-42 32|8| | | |  
 12 55.7-42.6|17689|12 54.9|-42 33|7.5|-42 8037|12 53.5|-42  
 24.8|7.1GC|  
 13 7.0-42.2|17958|13 7.1|-42 10|6.7| | | |  
 12 30.6-43.1|17155|12 31.0|-42 56|8|-42 7765|12 29.7|-42 48.1|7.8GC|  
 12 41.7-42.8|17406|12 41.6|-42 43|8.2|-42 7890|12 40.2|-42  
 34.7|7.8GC|  
 12 43.1-42.9| | | |-42 7901|12 41.5|-42 38.9|8.4ZC|  
 12 43.3-43.4| | | |-43 7894|12 41.9|-43 20|8.4|  
 12 53.9-43.3|17658|12 53.5|-43 10|7.8|-43 7985|12 52.1|-43 1.6|7.3GC|  
 12 57.7-42.9| | | |-42 8072|12 55.6|-42 41.1|8.2ZC|  
 13 5.6-42.8|17929|13 5.6|-42 50|5.7| | | |  
 13 8.2-42.6|17991|13 8.2|-42 37|6.5| | | |  
 [[/table]]



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Plate 5190

[[table]]

|V|H|Cl|Rem. No.|K line|Int|

19.0	9.8	H	N 1
18.8	12.5	I	N 2
18.5	15.3	A	N 1
18.9	14.4	G	K=H 3
19.9	4.4	F	1625 K=H 1
19.6	8.7	A	N 1
19.9	10.2	G	K=H 3
20.0	15.0	A	N 3
19.9	20.4	A	N 1
20.4	7.3	A	K=H 1
20.9	16.8	H	N 1
20.9	18.1	A	N 1
20.2	19.6	A	N 2
21.6	9.0	A	N 2
21.7	9.6	F	1026 K=H 2
21.6	14.3	A	N 1
21.5	15.1	A	N 1
21.8	21.9	A	N 1
21.4	24.2	A	K=H 2
22.3	6.1	A	N 1
22.5	9.9	A	N 1
22.8	12.9	I	N 2
22.3	14.2	A	K=H 2
23.0	17.9	A	N 1
22.6	18.8	A	K=H 1
22.9	21.4	F	1027 K=H 1
23.5	18.4	H	N 1

[[/table]]

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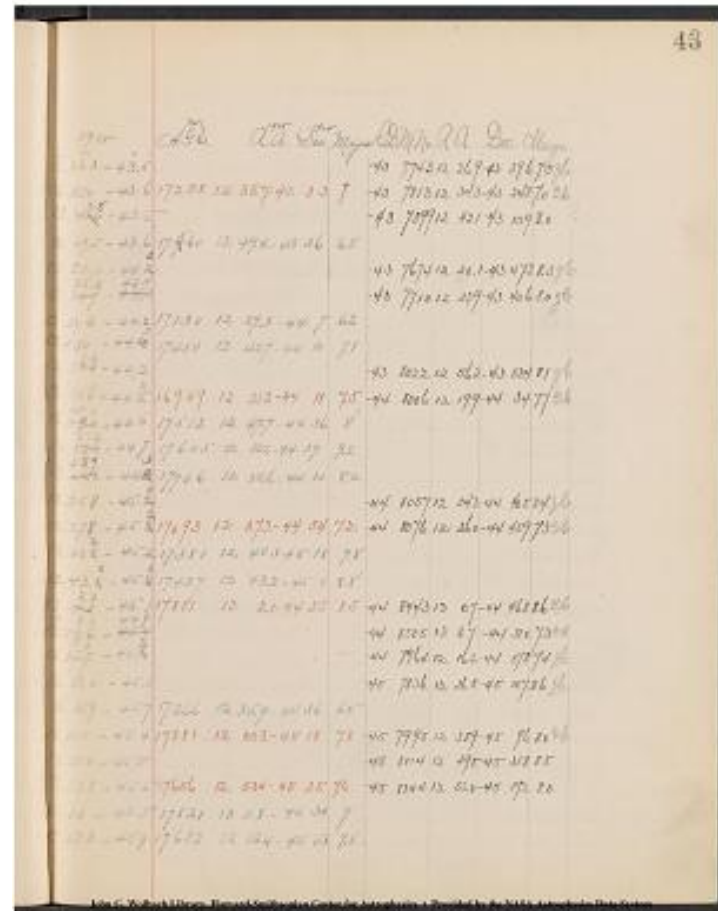
Plate 5190

V	H	Cl	Rem. No.	K line	Int
19.0	9.8	H	N 1		
18.8	12.5	I	N 2		
18.5	15.3	A	N 1		
18.9	14.4	G	K=H 3		
19.9	4.4	F	1625	K=H 1	
19.6	8.7	A	N 1		
19.9	10.2	G	K=H 3		
20.0	15.0	A	N 3		
19.9	20.4	A	N 1		
20.4	7.3	A	K=H 1		
20.9	16.8	H	N 1		
20.9	18.1	A	N 1		
20.2	19.6	A	N 2		
21.6	9.0	A	N 2		
21.7	9.6	F	1026	K=H 2	
21.6	14.3	A	N 1		
21.5	15.1	A	N 1		
21.8	21.9	A	N 1		
21.4	24.2	A	K=H 2		
22.3	6.1	A	N 1		
22.5	9.9	A	N 1		
22.8	12.9	I	N 2		
22.3	14.2	A	K=H 2		
23.0	17.9	A	N 1		
22.6	18.8	A	K=H 1		
22.9	21.4	F	1027	K=H 1	
23.5	18.4	H	N 1		

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[[table]]  
1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn.|C.D.M.No.|  
R.A.|Dec.|Magn.|  
|---|---|---|---|---|  
12^[[h]] 26.3^[[m]] -43[[symbol - degree symbol]].5' | | | -43  
7743|12 26.9|-43 29.6|7.5 ZC|  
12 35.0-43.6|17258 12|35.7 -43|3 3|7|-43 7813|34.3|-43 24.8|7.0 ZC|  
12 4[[strikethrough]]1.0[[/strikethrough]]^[[3.8]] -43.5 | | | -43  
7899|12 42.1|-43 15.9|8.0|?  
12 49.5-43.6|17[[strikethrough]]9[[/strikethrough]] 560|12 49.4|-43  
36|6.5 | | |  
12 21.0-44. [[strikethrough]]2[[/strikethrough]]0 | | | -43 7674|12  
20.1|-43 47.3|8.3ZC|  
12 [[strikethrough]]24.7[[/strikethrough]]25.3-  
[[strikethrough]]44.0[[/strikethrough]]43.9 | | | -43 7710|12 239|-43  
40.6|8.0ZC|  
12 29.4-44.2|17130|12 29.3|-44 7|6.2 | | |  
12 43.0-44. [[strikethrough]]4[[/strikethrough]]3|17430|12 42.7|-44  
10|7.1 | | |  
12 5[[strikethrough]]8.8[[/strikethrough]]7.6-44.2 | | | -43 8022|12  
56.2|-43 534|8.1ZC|  
12 20.6-44. [[strikethrough]]5[[/strikethrough]]3|16949|12 21.2|-44  
11|7.5|-44 8006|12 199|-44 3.4|7.7GC|  
12 [[strikethrough]]49.0[[/strikethrough]]48.0-44.6| 17512|12 47.7|-44  
36|8 | | |  
12 [[strikethrough]]52.6[[/strikethrough]]51.2-44.7| 17605|12 51.2|-44  
39|9.2 | | |  
12 [[strikethrough]]56.6[[/strikethrough]]55.9-  
44[[strikethrough]]3[[/strikethrough]]3|17706|12 55.6|-44 13|8.2 | | |  
|  
12 25.8-45. [[strikethrough]]2[[/strikethrough]]0 | | | -44 8057|12  
24.3|-44 40.5|8.4ZC|  
12 27.8-45. [[strikethrough]]3[[/strikethrough]]2|17093|12 27.3|-44  
54|7.2|-44 8076|12 26.0|-44 45.9|7.3GC|  
12 40. [[strikethrough]]8[[/strikethrough]]2-45.2|17381 |12 40.3|-45  
18|7.8 | | |  
12 43. [[strikethrough]]8[[/strikethrough]]0-  
45. [[strikethrough]]2[[/strikethrough]]0|17437|12 43.2|-45 1|8.8 | | |  
13 [[strikethrough]]4.0[[/strikethrough]]2.0-45.1|17851 |13 2.1|-44  
55|8.5|-44 8443|13 0.7|-44 46.8|8.6LC|  
[[strikethrough]]12 16.6-45.4[[/strikethrough]]13 8.1-44.9 | | | -44  
8505|13 67|-44 31.0|7.3WA|  
12 [[strikethrough]]27.7[[/strikethrough]]17.0-  
45. [[strikethrough]]6[[/strikethrough]]3 | | | -44 7964|12 16.2|-44  
578|7.4ZC|  
12 28.0-45.5 | | | -45 7836|12 26.5|-45 10.7|8.6ZC|  
12 35.9-45.7|17266|12 35.9|-45 36|6.5 | | |  
12 40.0-45.4|17381|12 40.3|-45 18|7.8|-45 7995|12 38.9|-45 96|8.0GC|  
12 51.0-45.8 | | | -45 8114|12 49.5|-45 31.8 |8.5|  
12 53.8-45.5|17656|12 53.4|-45 25|7.6|-45 8144|12 52.0|-45 17.2|8.0|  
13 1.0-45.5|17821|13 0.8|-45 30|7 | | |  
12 52.3-45.9|17632|12 52.4|-45 53|7.5 | | |  
[[/table]]



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Plate 3692 R.A. 13<sup>h</sup> 23<sup>m</sup> Dec. -41.6

[[table]]

|V|H|C|Rem No.|K line|Int.|

4.6|10.4|A| |N|1|

3.8|11.6|A| |K=0.42H|5|

3.6|18.3|A| |N|1|

4.7|18.1|A| |N|1|

4.8|22.8|F|1028|K=H|1|

3.6|24.0|F|1029|K=H|1|

[[?]]6.0|~~18.3~~|8.3|G| |K=~~1~~|

0|~~15H~~|3|

5.4|8.1|A| |N|1|

5.4|9.5|A| |n|1|

7.0|16.1|I| |K=H|2|

6.7|1|~~7~~|6.7|A| |N|1|

7.7|9.4|A| |N|2|

7.4|9.9|A| |N|1|

8.0|12.2|F|1030|K=H|1|

8.0|15.5|A| |N|1|

8.0|16.6|A| |N|2|

8.0|17.0|E| |K=H|1|

8.9|15.8|A| |K=H|4|

8.1|18.3|F|1031|K=H|1|

8.7|23.2|A| |N|1|

9.5|12.8|A| |K=0.5H|2|

9.6|13.9|L| |K=h|3|

10.0|16.7|A| |N|2|

9.7|19.0|Ma| |N|1|

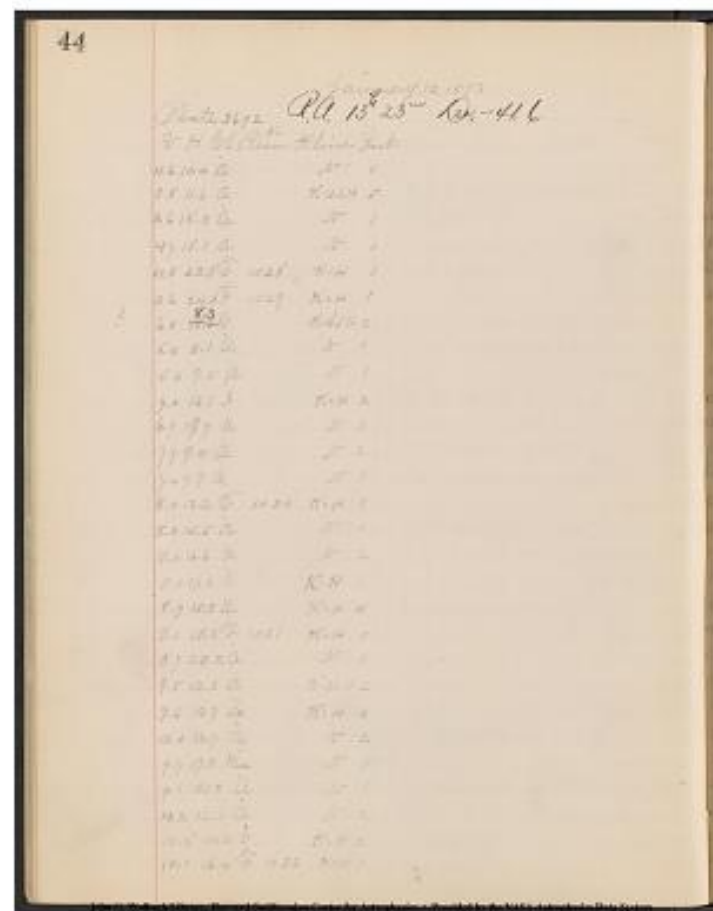
9.1|21.3|A| |N|1|

10.2|12.1|A| |N|2|

10.5|14.4|G| |K=H|2|

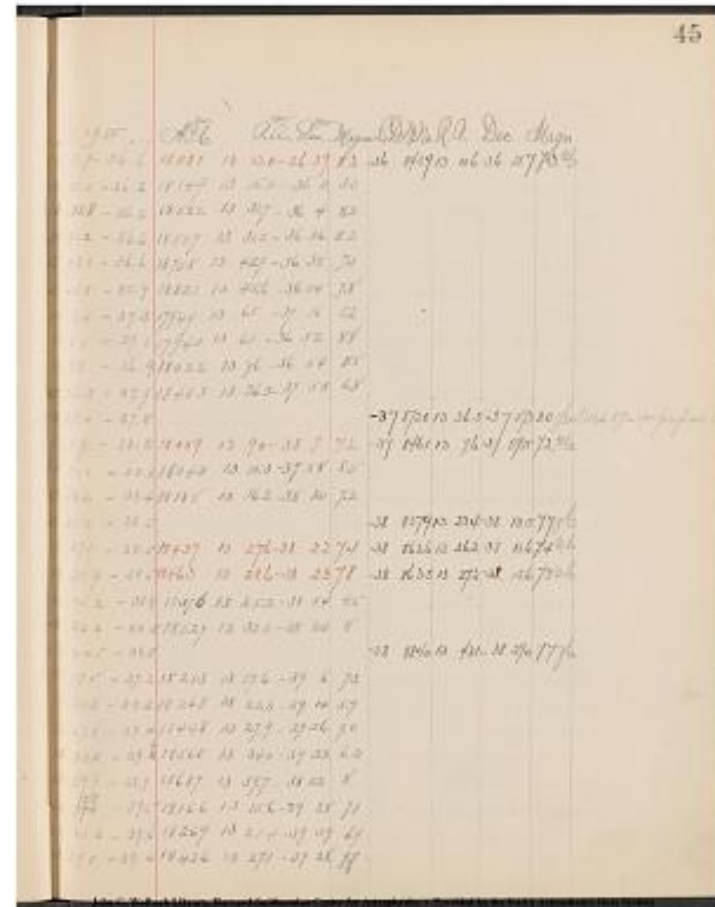
10.1|16.4|F|1032|K=H|1|

[[/table]]



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 [[table]]  
 1900|A.G.C. no.|R.A. 1900|Dec.  
1900	Magn.	C.D.M.No.	R.A.	Dec.	Magn.
 13<sup>h</sup>|11.9<sup>m</sup>|36|6|18081|13 12.0|-36  
 29|8.2|-36 8459|13 10.6|-36 21.7|7.3GC|  
 13 15.0-36.2|18149|13 15.0|-36 11|3.0| | | | |  
 13 31.8-36.2|18522|13 32.7|-36 4|8.2| | | | |  
 13 31.2-36.6|18507|13 31.2|-36 36|8.2| | | | |  
 13 43.0-36.6|18758|13 42.9|-36 38|7.0| | | | |  
 13 45.8-35.9|18821|13 45.6|3.6 54|7.8| | | | |  
 13 6.4-37.3|17949|13 6.5|-37 16|5.2| | | | |  
 13 6.0-37.0|17940|13 6.1|-36 52|8.8| | | | |  
 13 9.3-36.9|18022|13 9.6|-36 54|8.5| | | | |  
 13 26.3-37.9|19403|13 26.3|-37 53|6.8| | | | |  
 13 28.0-37.8| | | |-37 8720|13 26.5|-37 37.3|8.0ZC [[Does 8721  
 superpose?]]  
 13 8.9-38.3|18009|13 9.0|-38 7|7.2|-37 8461|13 7.6|-37 59.5|7.2GC|  
 13 10.0-38.0|18040|13 10.3|-37 58|8.5| | | | |  
 13 16.2-38.4|18185|13 16.2|-38 20|7.2| | | | |  
 13 25.0-38.5| | | |-38 8579|13 23.4|-38 13.5|7.7ZC|  
 13 27.8-38.5|18437|13 27.6|-38 22|7.4|-38 8626|13 26.2|-  
 38|13.6|7.4GC|  
 13 28.9-38.5|18463|13 28.6|-38 23|7.8|-38 8635|13 27.2|-38  
 15.6|7.3GC|  
 13 25.2-38.9|18376|13 25.2|-38 54|4.5| | | | |  
 13 32.3-38.5|18529|13 32.0|-38 24|8| | | | |  
 13 44.5-38.8| | | |-38 8840|13 43.1|-38 29.0|7.7ZC|  
 13 17.5-39.2|18213|13 17.6|-39 6|7.3| | | | |  
 13 20.3-39.3|18268|13 20.3|-39 14|5.9| | | | |  
 13 27.8-39.4|18448|13 27.9|-39 26|7.0| | | | |  
 13 33.8-39.4|~~3~~|~~6~~|18568|13 34.0|-39  
 33|6.2| | | | |  
 13 39.9-38.9|18687|13 39.7|-38 52|8| | | | |  
 13 ~~37.5~~|~~15.5~~-39.5|18166|13 15.6|-39  
 28|7.1| | | | |  
 13 21.3-39.6|18269|13 21.4|-39 39|6.9| | | | |  
 13 27.0-39.4|18426|13 27.1|-39 28|7.7| | | | |  
 [[/table]]



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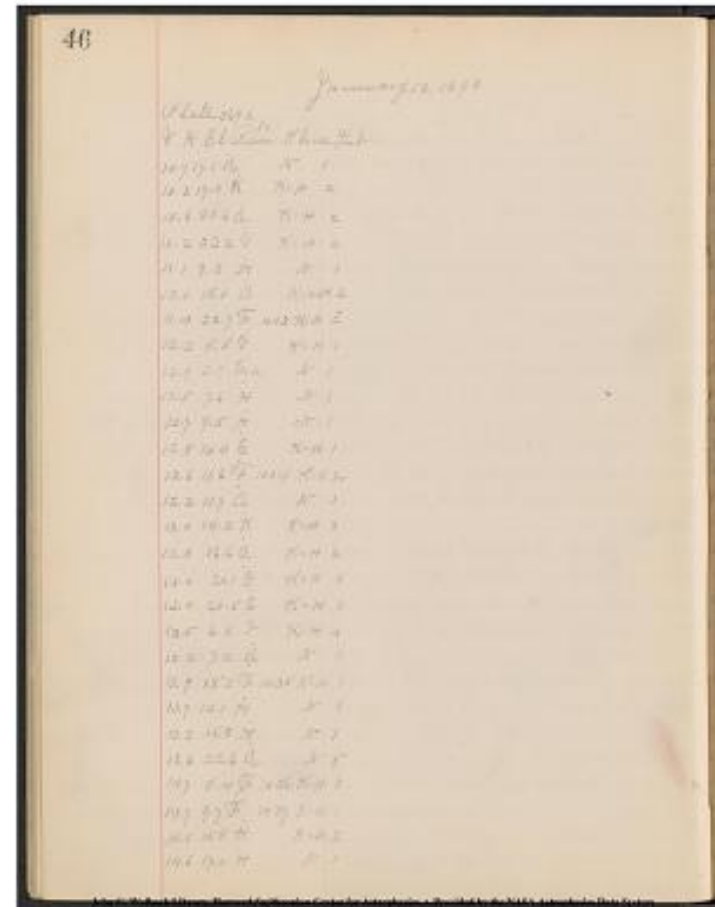
Plate 3692

[[table]]

V|H|Cl|Rem. No.|K line|Int|

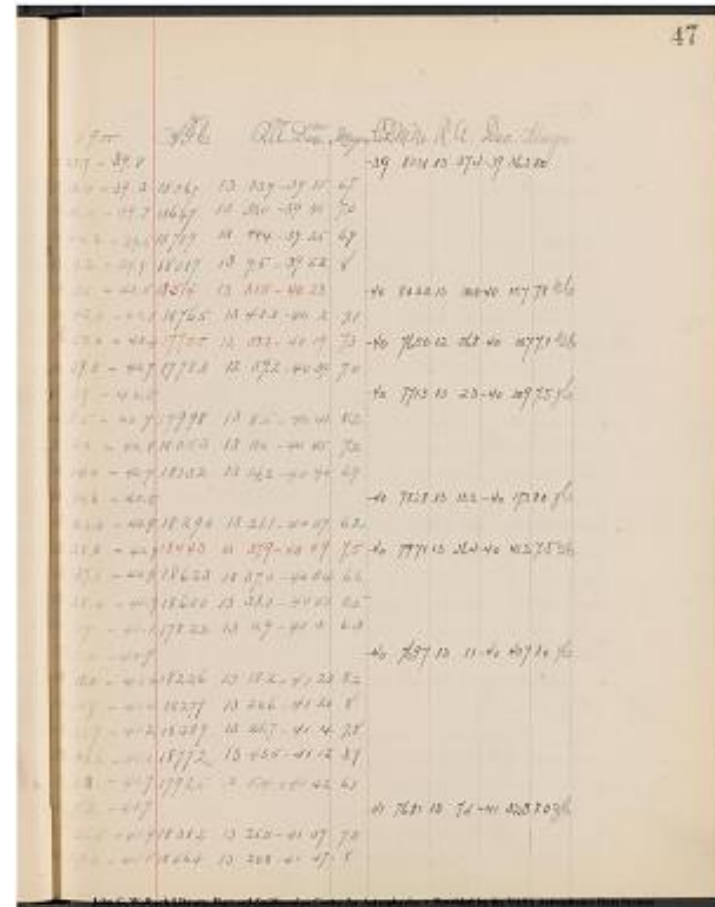
10.7	17.1	A		N 1
10.3	19.0	K		K=H 2
10.6	20.6	A		K=H 2
10.2	23.2	G		K=H 2
11.1	9.8	H		N 1
12.0	18.0	A		K=.5H 2
11.4	22.7	F	1033	K=H 2
12.2	5.5	G		K=H 1
12.9	5.9	Ma		N 1
12.5	7.6	H		N 1
12.9	9.5	H		N 1
12.8	10.4	E		K=H 1
12.6	11.6	F	1034	K=H 2
12.2	11.7	A		N 1
13.0	14.2	K		K=H 3
12.8	16.6	A		K=H 2
13.0	20.1	G		K=H 3
13.0	20.5	E		K=H 1
13.5	6.6	I		K=H 3
13.2	7.2	A		N 1
13.9	13.2	F	1035	K=H 1
13.9	14.1	H		N 1
13.3	15.8	H		N 1
13.6	22.6	A		N 5
14.9	8.4	F	1036	
14.7	9.7	F	1037	
15.0	15.8	K		K=H 2
14.6	17.0	H		N 1

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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 [[table]]  
 1900|A.G.C. no.|R.A. 1900|Dec.  
 1900|Magn.|C.D.M.No.|R.A.|Dec.|Magn|  
 |---|---|---|---|---|---|---|---|---|---|  
 13 28.9-39.8| | | | | -39 8331|13 27.4|-39 36.2|8.0|  
 13 33.4-39.3|18567|13 33.9|-39 15|6.7| | | | |  
 13 38.0-39.7|18647|13 38.0|-39 41|7.0| | | | |  
 13 44.3-39.5|18789|13 44.4|-39 25|6.9| | | | |  
 13 9.2-39.9|18017|13 9.5|-39 52|8| | | | |  
 13 13.1-40.5|18514|13 31.5|40 23| | -40 8022|13 30.0|-40 15.7|7.8GC|  
 13 43.0-40.1|18765|13 43.3|-40 2|7.1| | | | |  
 [[/strikethrough]]13[[/strikethrough]]12 58.0-40.4|17755|12 58.2|-40  
 19|7.3|-40 7650|12 56.8|-40 10.7|7.1GC|  
 12 59.3-40.7|17783|12 59.2|-40 39|7.0| | | | |  
 13 3.9-40.5| | | | | -40 7713|13 2.3|-40 20.9|7.5ZC|  
 13 8.5-40.7|17998|13 8.5|-40 41|8.2| | | | |  
 13 11.0-40.8|18053|13 11.0|-40 45|7.2| | | | |  
 13 14.0-40.7|18132|13 14.2|-40 40|6.9| | | | |  
 13 14.6-40.5| | | | | -40 7828|13 13.2|-40 17.3|8.0ZC|  
 13 21.0-40.9|18290|13 21.1|-40 59|6.2| | | | |  
 13 28.0-40.9|18443|13 27.9|-40 49|7.5| -40 7971|13 26.4|-40  
 41.2|7.5GC|  
 13 37.1-40.9|18623|13 37.0|-40 54|6.6| | | | |  
 13 38.0-40.9|18650|13 38.0|-40 51|8.5| | | | |  
 13 0.7-41.1|17822|13 0.9|-41 3|6.3| | | | |  
 13 2.0-40.9| | | | | -40 7697|13 1.1|-40 43.7|8.0ZC|  
 13 18.0-41.4|18226|13 18.2|-41 23|8.2| | | | |  
 13 20.9-41.4|18277|13 20.6|-41 20|8| | | | |  
 13 25.7-41.2|18389|13 25.7|-41 4|7.8| | | | |  
 13 43.6-41.2|18772|13 42.5|-41 12|3.7| | | | |  
 13 5.3-41.7|17925|13 5.4|-41 42|6.1| | | | |  
 13 9.2-41.7| | | | | -41 7681|13 7.4|-41 32.3|8.0ZC|  
 13 25.5-41.9|18382|13 25.5|-41 57|7.0| | | | |  
 13 29.0-41.8|18464|13 28.8|-41 47|8| | | | |  
 [[/table]]



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Plate 3692

[[table]]

V|H|C|Rem. No.|K line|Int|

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

14.9|17.7|A| |K=.3H|3|

14.5|20.1|F|1038|K=H|1|

14.3|21.3|A| |N|1|

14.7|22.1|A| |N|3|

15.6|9.1|I| |K=H|2|

15.9|9.7|H| |N|1|

15.2|13.1|H|1039|K=H|1|

[[? 15.9^[[H]]]] 15.5|16|~~9~~|~~0~~|A| |N|1|

15.7|17.9|H| |N|1|

15.6|18.2|H| |N|1|

15.2|22.6|A| |N|1|

15.4|23.7|H| |N|1|

16.9|8.6|I| |K=H|3|

16.5|9.5|I| |N|1|

16.4|10.0|H| |N|1|

16.8|10.9|A| |N|2|

16.2|12.5|A| |K=.3H|2|

16.9|16.6|F|1040|K=H|3|

16.5|19.4|A| |N|3|

16.6|19.9|A| |K=H|2|

14.0|2|~~1~~|~~0.4~~|A| |N|2|

18.1|10.6|A| |N|3|

18.2|11.1|A| |N|2|

17.4|11.2|A| |N|1|

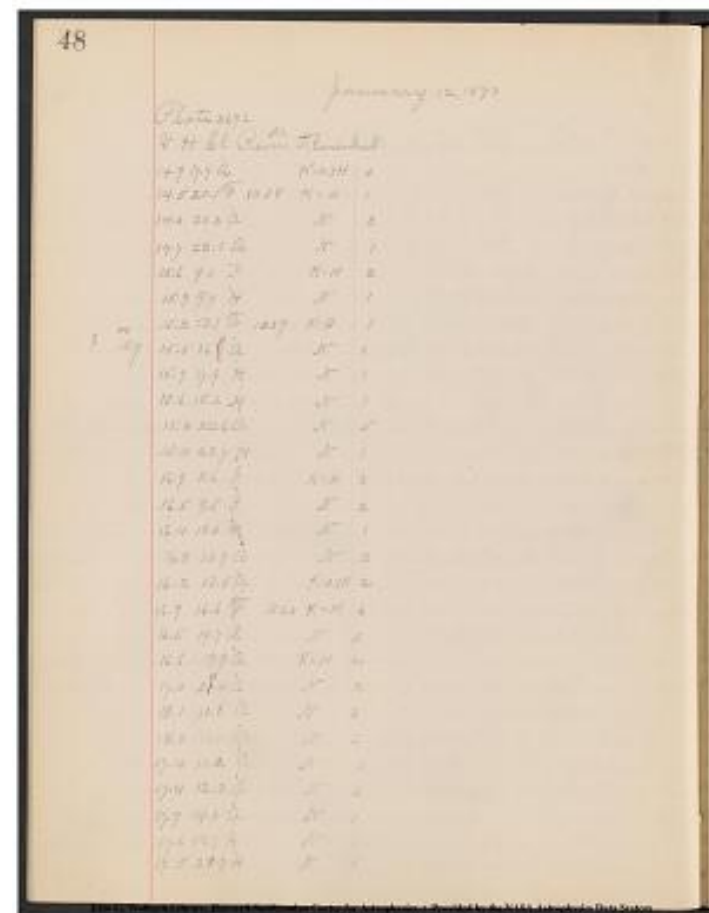
17.4|12.3|A| |N|3|

17.9|14.0|A| |N|1|

17.6|14.7|H| |N|1|

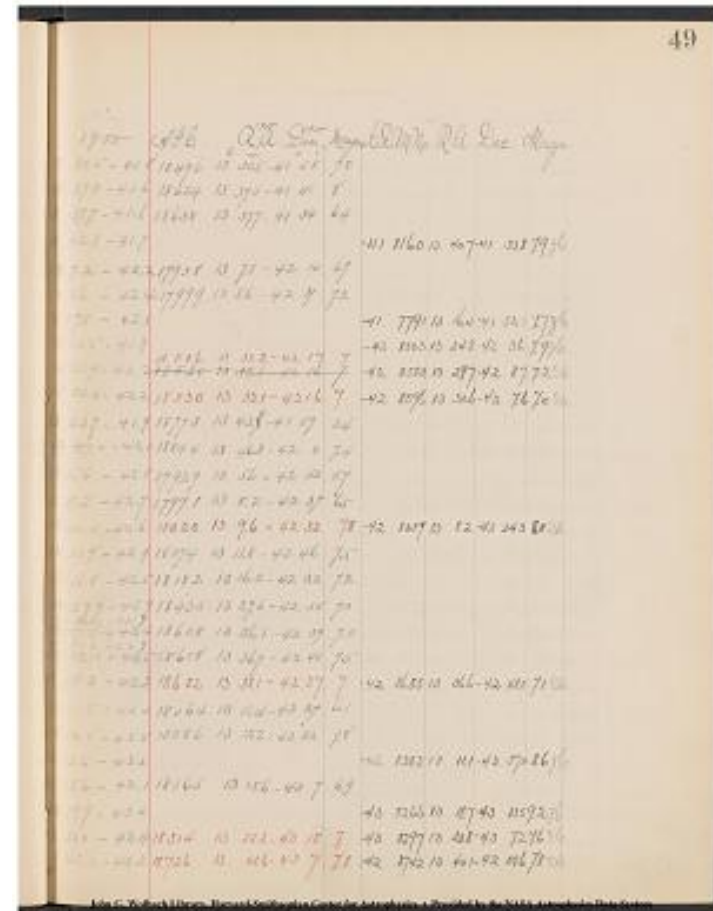
17.5|21.7|H| |N|1|

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]49[[/preprinted]]  
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1900|A.G.C.|R.A.^[[1900]]|Dec.^[[1900]]|Magn|C.D.M.No.|R.A.|Dec.|Ma  
gn.|  
|---|---|---|---|---|---|---|---|  
13 30.5-41.8|18496|13^[[h]]|30.5^[[m]]|-41[[symbol - degree symbol]]  
55|7.2| | | | | | |  
13 37.3-41.6|18624|13 37.0|-41 41|8| | | | |  
13 37.7-41.6|18638|13 37.7|-41 34|6.4| | | | |  
13 42.1-41.7| | | | -41 8160|13 40.7|-41 33.8|7.9ZC|  
13 7.2-42.2|17958|13 7.1|-42 10|6.7| | | | |  
13 8.6-42.4|17999|13 8.6|-42 19|7.2| | | | |  
13 17.8-42.1| | | | -41 7791|13 16.4|-41 53.1|7.7ZC|  
13 25.5-41.9| | | | -42 8503|13 24.8|-42 3.6|7.9ZC|  
13 31.9-  
42.2|[[/strikethrough]]18530|[[/strikethrough]]18506|[[/strikethrough]]13  
32.1|[[/strikethrough]]13 31.2|[[/strikethrough]]-42 16|[[/strikethrough]]-42  
17|[[/strikethrough]]7|[[/strikethrough]]-42 8580|13 29.7|-42 8.7|7.2GC|  
13 32.4-42.2|18530|13 32.1|-42 16 7|-42 8596|13 30.6|-42 7.6|7.0GC|  
13 43.7-41.9|18773|13 43.4|[[/strikethrough]]9|[[/strikethrough]]6|-41  
59|3.4| | | | | | |  
13 47.0-42.0|18844|13 46.8|-42 0|7.4| | | | |  
13 5.6-42.8|17929|13 5.6|-42 50|5.7| | | | |  
13 8.2-42.7|17991|13 8.2|-42 37|6.5| | | | |  
13 10.0-42.6|18020|13 9.6|-42 32|7.8|-42 8237|13 8.2|-42 24.3|8.0GC|  
13 11.9-42.9|18074|13 11.8|-42 46|7.5| | | | |  
13 16.8-42.5|18182|13 16.2|-42 32|7.2| | | | |  
13 27.9-42.9|18435|13 27.6|-42 55|7.0| | | | |  
[[/strikethrough]]13 11.5-43.4|[[/strikethrough]]13 36.2-42.7|18608|13  
36.1|-42 39|7.0| | | | | |  
[[/strikethrough]]13 12.1-43.5|[[/strikethrough]]13 36.6-42.7|18618|13  
36.7|-42 41|7.5| | | | | |  
13 38.3-43.2|18652|13 38.1|-42 57|7|-42 8685|13 36.6|-42 48.5|7.1GC|  
13 11.5-43.4|18064|13 11.4|-43 27|6.1| | | | |  
13 12.1-43.5|18086|13 12.2|-43 32|7.8| | | | |  
13 12.6-43.3| | | | -42 8282|13 11.1|-42 57.0|8.6ZC|  
13 15.6-43.1|18165|13 15.6|-43 7|6.9| | | | |  
13 19.9-43.4| | | | -43 8266|13 18.7|-43 13.5|9.2ZC|  
13 22.0-43.4|18314|13 22.2|-43 15|7|-43 8297|13 20.8|-43 7.2|7.6GC|  
13 42.0-43.2|18726|13 41.6|-43 7|7.8|-42 8742|13 40.1|-42 58.6|7.8GC|  
[[/table]]



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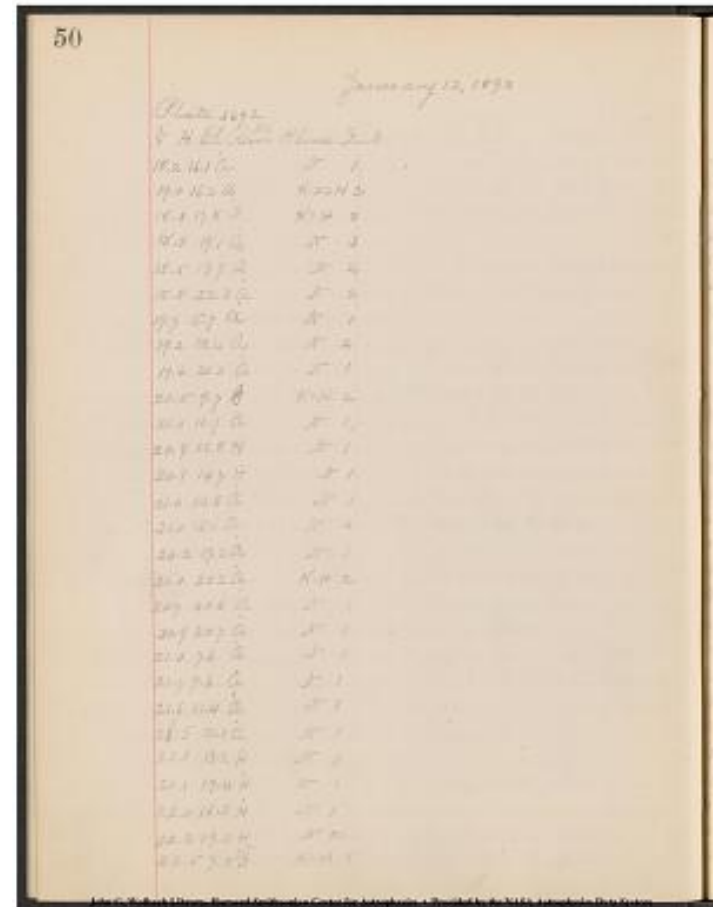
Plate 3692

[[table]]

|V|H|Cl.|Rem No.|K line|Int|

18.2	16.1	A		N	1
19.0	16.2	A		K=0.2H	2
18.3	17.8	I		K=H	3
18.8	19.1	A		N	3
18.5	19.9	A		N	2
18.8	22.3	A		N	2
19.7	5.9	A		N	1
19.2	18.4	A		N	2
19.6	20.0	A		N	1
20.5	9.7	G		K=N	2
21.0	10.7	A		N	1
20.9	12.8	H		N	1
20.1	14.7	H		N	1
21.0	14.8	A		N	1
21.0	15.1	A		N	3
20.2	17.2	A		N	1
21.0	20.2	A		K=H	2
20.9	20.7	A		N	1
21.3	7.6	A		N	1
21.7	9.6	A		N	1
21.6	11.4	A		N	3
21.5	12.1	A		N	1
21.1	13.2	H		N	1
21.1	19.4	H		N	1
22.4	15.2	H		N	1
22.2	19.2	H		N	2
22.5	7.3	F		K=H	1

[[/table]]



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January 12, 1893

Plate 3692

[[table]]

|V|H|Cl|Rem. No.|K line|Int|

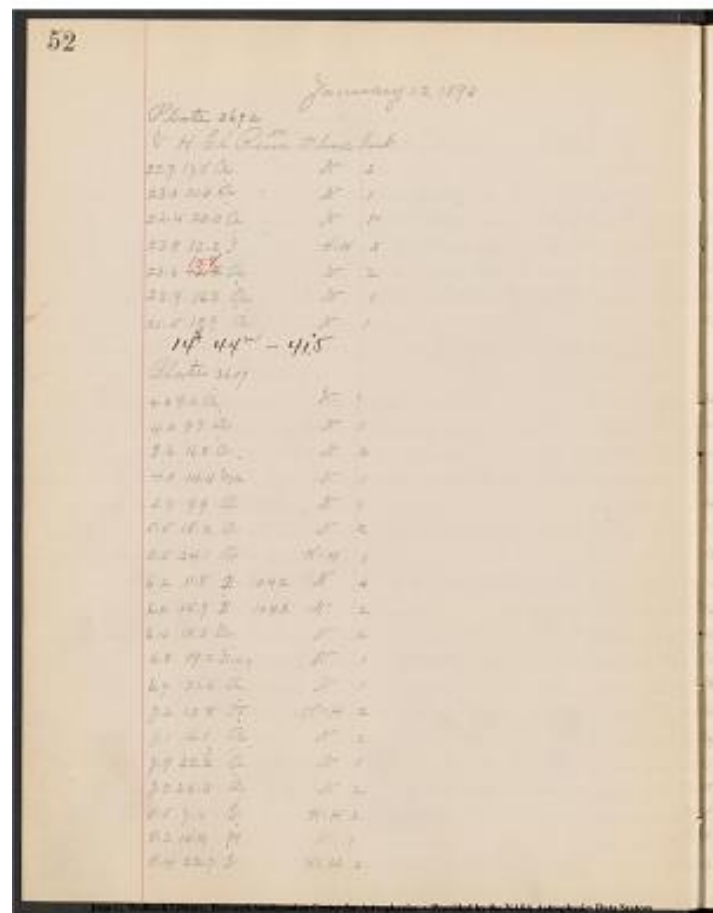
22.9	17.8	A		N	3		
23.0	21.0	A		N	1		
22.4	20.0	A		N	1		
23.8	12.3	I		K=H	3		
23.6	<del>13.8</del>			<del>15.8</del>	A	N	2
23.9	16.3	A		N	1		
21.5	18.9	A		N	1		

14<sup>h</sup> 44<sup>m</sup> - 41<sup>s</sup> 5

Plate 3609

[[table]]

4.3	9.6	A		N	1		
4.3	9.9	A		N	1		
3.6	16.8	A		N	2		
4.0	14.4	Ma		N	1		
5.9	9.9	A		N	1		
5.5	18.2	A		N	2		
5.5	24.1	A		K=H	1		
6.2	11.8	B	1042	N	4		
6.2	15.9	B	1043	N	2		
6.4	18.5	A		N	2		
6.8	19.2	Ma?		N	1		
6.9	21.6	A		N	1		
7.2	13.8	H		K=H	2		
7.1	16.1	A		N	2		
7.9	22.	<del>2</del>		<del>3</del>	A	N	1
7.9	24.3	A		N	2		
8.5	7.6	G		K=H	2		
8.2	10.4	H		N	1		
8.4	22.7	G		K=H	2		



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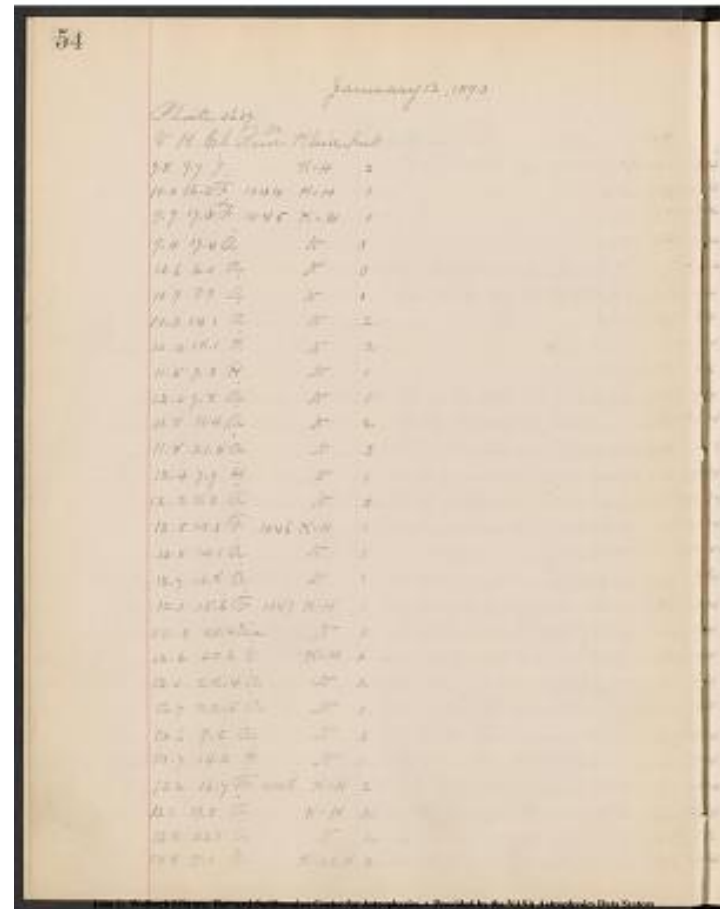
Plate 3604

[[table]]

|V|H|Cl.|Rem No.|K line|Int|

9.8	9.7	I		K=H	2
10.0	16.2	F	1044	K=H	1
9.9	17.3	F	1045	K=H	1
9.4	17.4	A		N	3
10.6	6.0	A		N	3
10.9	9.9	A		N	3
10.3	14.1	A		N	2
10.3	18.1	K		N	2
11.5	7.8	H		N	1
12.0	7.8	A		N	1
11.8	11.4	A		N	2
11.8	21.8	A		N	3
12.4	7.7	H		N	1
12.2	11.3	A		N	3
12.5	14.3	F	1046	K=H	1
13.0	14.1	A		N	1
12.7	16.5	A		N	1
12.1	15.6	A	1047	K=H	1
12.3	20.4	Ma		N	1
12.6	20.6	G		K=H	3
13.0	22.4	A		N	3
12.7	22.5	A		N	1
13.6	9.5	A		N	3
13.7	14.2	H		N	1
13.2	16.4	F	1048	K=H	2
13.1	19.8	A		K=H	2
13.8	23.8	A		N	2
14.8	9.1	A		K=0.2H	2

[[/table]]



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[[table]]

1900[A.G.C. no.]R.A. 1900[Dec. 1900[Magn]C.D.M.

No.]R.A.]Dec.]Magn]

14<sup>h</sup>[[h]] 30.1<sup>m</sup>[[m]]-39<sup>s</sup>[[s]] 2<sup>d</sup>[[d]] 19760|14<sup>h</sup>[[h]] 30.2<sup>m</sup>[[m]]-39<sup>s</sup>[[symbol - degree symbol]] 10<sup>m</sup>[[m]] 6.6

14 47.6-39.3|20155|14 47.4-39 20|7.5| | | | |

14 50.0-39.3|20214|14 50.1-39 13|9.5| | | | |

14 50.3-39.0|20221|14 50.3-39 0|6.7| | | | |

14 20.6-39.4|19537|14 20.6-39 26|6.8| | | | |

14 30.6-39.8|19768|14 30.5-39 47|6.2| | | | |

14 41.6-39.5|20025|14 41.5-39 30|7.0| | | | |

14 52.5-39.5|20274|14 52.2-39 30|6.8| | | | |

14 25.0-39.9|19642|14 25.2-39 56|8.5| | | | |

14 25.1-40.3|19635|14 25.0-40 13|7.5|-40 8735|14 23.4-40 6.0|7.8 GC|

14 ~~[[strikethrough]]34.0~~[[/strikethrough]]34.1-40.2|19854|14 34.2-40

11|8| | | | |

15 1.6-40.2|20509|15 1.7-40 12|6.2| | | | |

14 24.6-40.3|19624|14 24.7-40 24|7.0| | | | |

14 34.0-40.4|19846|14 34.0-40 25|6.9| | | | |

14 42.0-40.6|20041|14 41.8-40 35|8| | | | |

14 41.8-40.9| | | |-40 8977|14 39.7-40 44.3|8.0ZC|

14 49.0-40.6|20185|14 48.7-40 43|8.5| | | | |

14 46.0-40.4|20120|14 45.6-40 23|8.2| | | | |

14 58.6-40.4 ~~[[strikethrough]]20444~~[[/strikethrough]] | | |-40 9243|14

56.6|-40 21.9|7.0 NA|

14 59.0-40.6|20444|14 58.8|-40 41|5.7| | | | |

15 3.4-40.9|20542|15 3.5|-40 48|8.2|-40 9336|15 1.9|-40 41.5|7.7GC|

15 3.6-

40.8|~~[[strikethrough]]20542~~[[/strikethrough]]~~[[strikethrough]]20550~~[[/strikethrough]]|15

3.5|~~[[strikethrough]]15 3.8~~[[/strikethrough]]-40 48|~~[[strikethrough]]-40~~

38|~~[[strikethrough]]8.2~~[[/strikethrough]]8.5|-40 9340|15 2.2|-40

31.8|8.2GC|

14 29.2-41.1|19741|14 29.2-41 5|6.3| | | | |

14 41.6-41.2|20026|14 41.5-41 12|7.8| | | | |

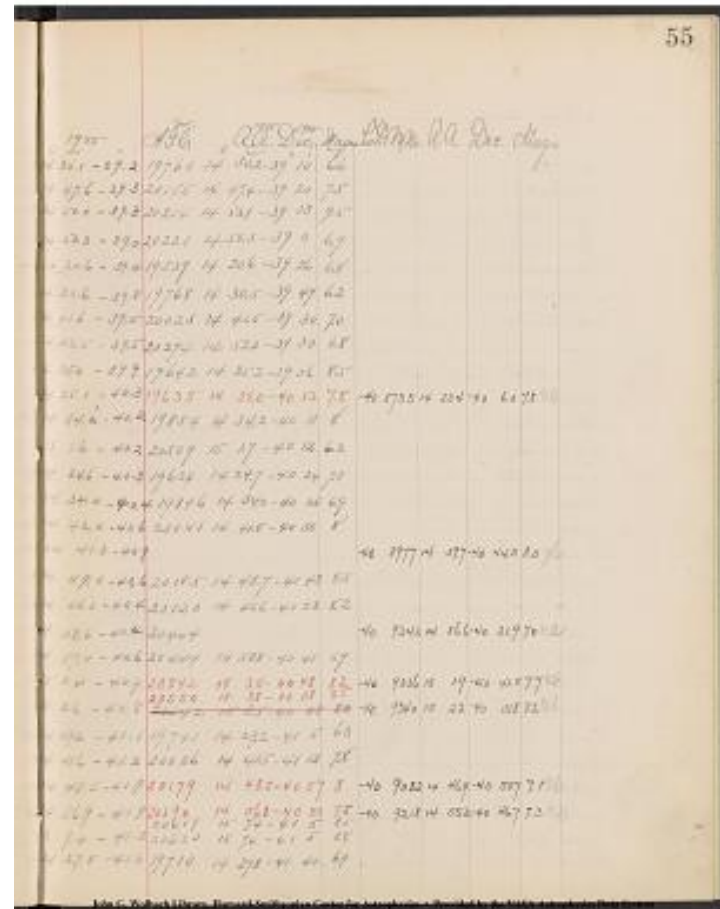
14 48.5-41.9|20179|14 48.5-40 57|8|-40 9082|14 46.9|-40 50.7|7.1ZC|

15 7.4-41.2|20620<sup>h</sup>[[20619]]|15<sup>h</sup>[[15]] 7.4<sup>m</sup>[[7.4]]-41<sup>m</sup>[[41]]

5<sup>s</sup>[[5]]|8.8<sup>s</sup>[[8.5]]| | | | |

14 27.8-41.6|19710|14 27.8|-14 40|6.9| | | | |

[[/table]]



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[[table]]

V|H|CL|Rem|K line|Int|

14.7	9.6	A		N	5
14.2	15.0	A		N	1
14.7	17.5	H		N	1
14.5	18.3	A?	1049	N	5
15.4	6.1	H		K=H	1
15.5	8.7	A		N	1
16.0	12.1	A		N	1
16.0	15.2	A		K=0.3H	2
15.4	17.4	A		N	1
15.4	17.7	A		K=H	2
15.4	24.1	A		N	2
16.4	10.4	I		K=H	2
16.6	18.0	B?	1050	N	5
16.7	18.3	F	1051	K=H	3
16.3	21.7	A		N	3
17.7	9.6	A		N	1
17.2	10.8	A		N	1
17.2	11.6	A		N	1
17.5	14.1	I		K=H	2
17.5	15.5	A		N	4
18.0	16.0	A		K=H	1
17.4	18.3	A		K=H	2
18.0	18.4	F	1052	K=H	2
18.0	21.4	A		N	2
18.0	22.4	<del>A</del>	<del>1053</del>	<del>K=H</del>	2
17.5	23.8	A		N	2
17.8	24.4	A		N	3
18.4	7.8	A		N	2

[[/table]]

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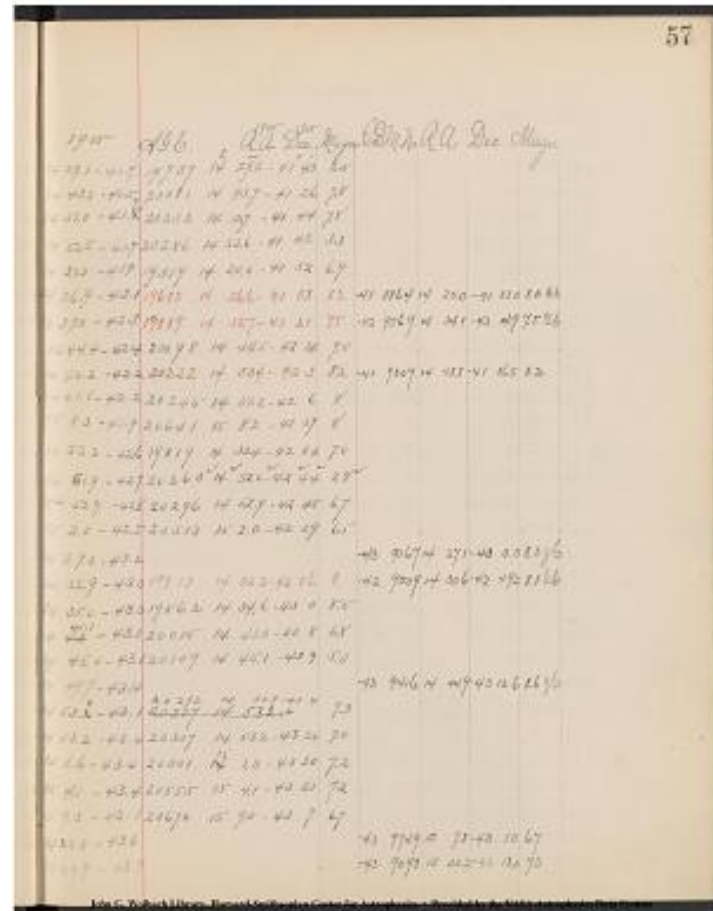
January 12, 1893

Plate 3607

14.7	9.6	A		N	5
14.2	15.0	A		N	1
14.7	17.5	H		N	1
14.5	18.3	A?	1049	N	5
15.4	6.1	H		K=H	1
15.5	8.7	A		N	1
16.0	12.1	A		N	1
16.0	15.2	A		K=0.3H	2
15.4	17.4	A		N	1
15.4	17.7	A		K=H	2
15.4	24.1	A		N	2
16.4	10.4	I		K=H	2
16.6	18.0	B?	1050	N	5
16.7	18.3	F	1051	K=H	3
16.3	21.7	A		N	3
17.7	9.6	A		N	1
17.2	10.8	A		N	1
17.2	11.6	A		N	1
17.5	14.1	I		K=H	2
17.5	15.5	A		N	4
18.0	16.0	A		K=H	1
17.4	18.3	A		K=H	2
18.0	18.4	F	1052	K=H	2
18.0	21.4	A		N	2
18.0	22.4	<del>A</del>	<del>1053</del>	<del>K=H</del>	2
17.5	23.8	A		N	2
17.8	24.4	A		N	3
18.4	7.8	A		N	2

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n|  
|---|---|---|---|---|---|---|  
14 29.1-41.7|19737|14^[[h]] 29.2^[[m]]|-41[[symbol - degree symbol]]  
43|2.5| | | | | |  
14 43.8-41.5|20081|14 43.7|-41 26|7.8| | | | |  
14 51.0-~~41.8~~|~~20081~~|~~14 43.7~~|-41 26|~~7.8~~|41.7|20232|14 50.7|-41  
44|7.8| | | | | |  
14 52.5-41.7|20286|14 52.6|-41 42|3.3| | | | |  
14 20.0-41.9|19519|14 20.0|-41 52|6.9| | | | |  
14 26.9-42.1|19685|14 26.6|-41 58|8.2|-41 8864|14 25.0|-41  
51.0|8.0GC| | | | | |  
14 37.0-42.3|19889|14 35.7|-42 21|7.5|-42 9569|14 34.1|-42  
14.9|7.5GC| | | | | |  
14 44.4-42.4|20098|14 44.5|-42 24|7.0| | | | |  
14 50.2-42.2|20222|14 50.4|-42 38.2|-41 9307|14 48.8|-41 56.5|8.2|  
14 51.1-42.2|20245|14 51.2|-42 6|8| | | | |  
15 8.3-41.9|20641|15 8.2|-41 57|8| | | | |  
14 32.3-42.6|19819|14 32.4|-42 34|7.0| | | | |  
14 51.9-42.7|20263|14 52.0|-42 44|2.8| | | | |  
14 52.9-42.8|20296|14 52.9|-42 45|6.7| | | | |  
15 2.0-42.5|20513|15 2.0|-42 29|6.5| | | | |  
14 29.0-43.2| | | | |43 9167|14 27.1|-43 0.3|8.3ZC|  
14 32.9-43.0|19813|14 32.2|-42 56|8|-42 9509|14 30.6|-42 49.2|8.1GC|  
14 35.0-43.0|19862|14 34.6|-43 0|8.5| | | | |  
14 ~~43.1~~|-43.1|~~20015~~|14 41.0|-43  
8|6.8| | | | | |  
14 45.0-43.1|20109|14 45.1|-43 9|5.0| | | | |  
14 47.7-43.4| | | | |43 9416|14 44.9|-43 12.6|8.6ZC|  
14 53.1-~~43.1~~|~~20307~~|~~14 53.1~~|-43 12.6|8.6ZC|  
43.1|~~20307~~|~~14 53.1~~|-43 12.6|8.6ZC|  
53.2|~~20307~~|14 52.7|-43 4|7.3| | | | |  
14 53.2-43.4|20307|14 53.2|43 24|7.0| | | | |  
15 1.6-43.4|20502|~~14 1.6~~|-43 20|7.2| | | | |  
| | | | | | |  
15 4.1-43.4|20555|15 4.1|-43 21|7.2| | | | |  
15 9.3-43.1|20670|15 9.5|-43 7|6.7| | | | |  
14 23.8-43.6| | | | |43 9749|15 7.8|-43 1.0|6.7|  
14 23.9-43.9| | | | |43 9098|15 22.2|-43 18.0|7.3|  
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[[table]]

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19.0	16.8	A		N	1
18.6	17.1	A		N	1
18.4	22.6	H		N	1
18.3	23.6	A		N	2
19.0	24.0	A		N	2
18.6	24.2	A		N	1
19.4	5.9	H		N	1
19.3	7.0	A		N	2
19.7	13.2	H		N	1
20.0	13.6	A		N	2
19.8	17.2	A		N	3
19.6	21.6	A		N	1
19.6	23.1	A		N	4
19.2	23.4	A		N	1
19.8	24.4	H		N	1
20.2	15.7	F	1054	K=H	1
20.7	17.9	A		N	1
21.0	21.6	A		N	4
20.7	22.8	A		N	1
21.3	6.2	A		N	1
21.5	6.6	A		N	3
21.2	8.0	A		N	3
21.1	6.0	?		3	
22.0	11.6	A		N	2
22.0	16.1	A		N	2
22.9	7.1	A		N	3
23.0	10.3	H		N	2
22.7	10.6	K		K=H	2

[[/table]]

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Plate 3607

South Draper Catalog #62

V	H	CL	Rem	K line	Int
19.0	16.8	A		N	1
18.6	17.1	A		N	1
18.4	22.6	H		N	1
18.3	23.6	A		N	2
19.0	24.0	A		N	2
18.6	24.2	A		N	1
19.4	5.9	H		N	1
19.3	7.0	A		N	2
19.7	13.2	H		N	1
20.0	13.6	A		N	2
19.8	17.2	A		N	3
19.6	21.6	A		N	1
19.6	23.1	A		N	4
19.2	23.4	A		N	1
19.8	24.4	H		N	1
20.2	15.7	F	1054	K=H	1
20.7	17.9	A		N	1
21.0	21.6	A		N	4
20.7	22.8	A		N	1
21.3	6.2	A		N	1
21.5	6.6	A		N	3
21.2	8.0	A		N	3
21.1	6.0	?		3	
22.0	11.6	A		N	2
22.0	16.1	A		N	2
22.9	7.1	A		N	3
23.0	10.3	H		N	2
22.7	10.6	K		K=H	2

Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]59[[/preprinted]]

[[table]]

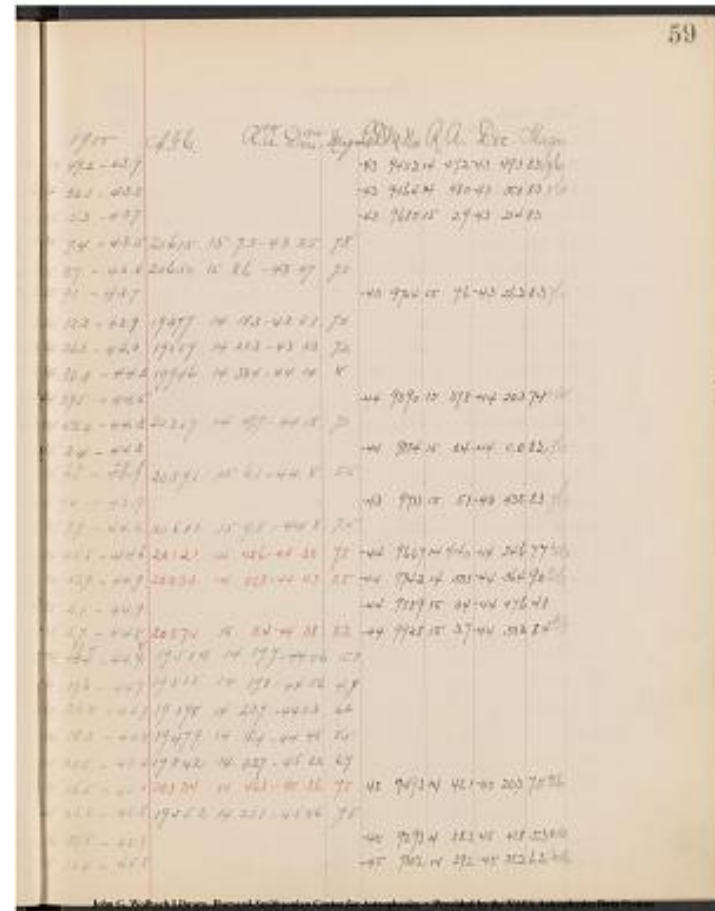
1900|A.G.C.|R.A. 1900|Dec. 1900|Magn|C.D.M. No.|R.A.|Dec.|Magn.|

14 49.2-43.9				-43 9452	14 47.2	-43 49.3	8.3ZC	
14 50.0-43.8				-43 9464	14 48.0	-43 35.0	8.3 ZC	
15 5.3-43.7				-43 9685	15 2.9	-43 21.4	8.3	
15 7.4-43.5	20615	15 7.3	-43 25	7.8				
15 8.7-43.8	20650	15 8.6	-43 47	7.0				
15 9.1-43.7				-43 9744	15 7.6	-43 26.2	8.3 ZC	
14 18.3-43.9	19477	14 18.3	-43 51	7.0				
14 21.3-44.0	19559	14 21.3	-43 53	7.2				
14 38.8-44.3	19946	14 38.4	-44 14	8				
14 39.5-44.5				-44 9590	15 37.8	-44 20.3	7.4 WA	
14 50.0-44.3	20207	14 49.7	-44 18	7.0				
15 2.4-44.3				-44 9884	15 0.4	-44 0.0	8.2ZC	
15 <del>[[strikethrough]]</del> 7.0 <del>[[/strikethrough]]</del>								
<del>[[strikethrough]]</del> 43.9 <del>[[/strikethrough]]</del>								
				44.1	20591	15 6.1	-44 8	5.5

15 7.0-43.9				-43 9711	15 5.1	-43 43.5	8.3 ZC	
15 9.7-44.2	20680	15 9.8	-44 8	7.5				
14 45.6-44.6	20121	14 45.6	-44 30	7.5	-44 9667	14 44.0	-44 24.6	7.7GC
14 51.9-44.9	20253	14 51.8	-44 43	8.5	-44 9742	14 50.1	-44 36.4	9.0GC
15 2.1-44.9				-44 9889	15 0.4	-44 47.6	4.8	
15 5.7-44.8	20574	15 5.4	-44 38	8.2	-44 9928	15 3.7	-44 33.2	8.4GC
14 <del>[[strikethrough]]</del> 18.0 <del>[[/strikethrough]]</del>								
44. <del>[[strikethrough]]</del> 9 <del>[[/strikethrough]]</del>								
				19514	14 19.7	-44 46	5.3	

14 19.6-44.9	19515	14 19.8	-44 56	4.9				
14 23.8-44.9	19598	14 23.7	-44 53	6.2				
14 18.2-44.8	19479	14 18.4	-44 45	8.5				
14 33.8-45.4	19842	14 33.7	-45 22	6.9				
14 46.5-45.5	20134	14 46.8	-45 26	7.5	-45 9492	14 45.1	-45 20.3	7.5GC
14 21.0-45.8	19552	14 21.1	-45 46	7.5				
14 29.8-45.9				-45 9293	14 28.2	-45 41.8	5.3W.A	
14 30.4-45.8				-45 9302	14 29.2	-45 35.2	6.2W.A	

[[/table]]



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January 12, 1893

Plate 3609

[[table]]

V|H|Cl|Rem. No.|K line|Int|

22.2|10.9|Ma?| |N|1|

23.0|12.3|A| |N|2|

22.7|14.3|A| |N|1|

22.8|18.3|A| |N|1|

22.9|18.4|A| |N|2|

23.1|17.2|A| |N|2|

23.2|9.7|A| |N|1|

23.5|9.5|H| |N|1|

23.4|9.9|A| |N|2|

23.6|11.3|F|1055|K=H|3|

23.8|15.8|H| |N|1|

23.7|16.7|H| |N|1|

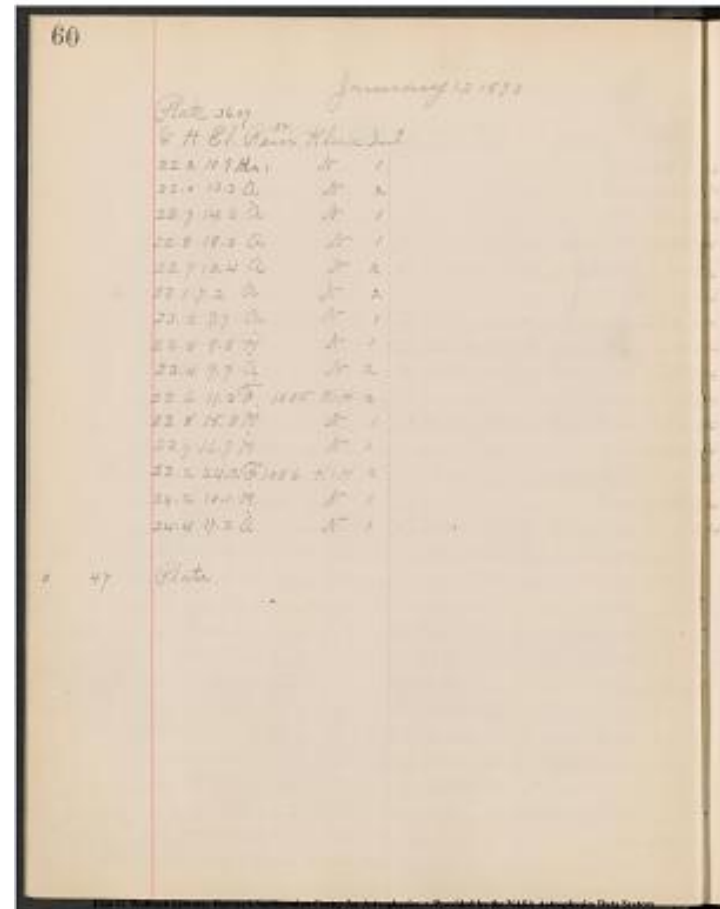
23.2|24.2|F|1056|K=H|2|

24.2|10.1|H| |N|1|

24.4|17.2|A| |N|1|

[[/table]]

0 47 Plate



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[[preprinted]]61[[/preprinted]]

[[table]]									
1900[A.G.C. No.   R.A. 1900   Dec. 1900   Magn   C.D.M. No.   R.A.   Dec.   Magn]									
-----									
14 31.7-45.4	19802	14 <sup>h</sup> 31.6 <sup>m</sup>	-45 <sup>°</sup> 27' 17"						
14 35.8-45.9	19880	14 35.4	-45 52 7.8						
14 41.0-45.8	20018	14 41.2	-45 44 8.5						
14 53.0-45.8	20308	14 53.1	-45 45 7.4						
14 53.2-45.9	20306	14 53.2	-45 51 7.3						
14 21.2-45.8	19554	14 21.2	-45 45 7.8						
14 27.9-45.9	19712	14 28.0	-45 52 7.5						
14 27.1-46.1	19695	14 27.3	-46 2 7.5						
14 28.2-46.1		-45 9 27 6	14 27.0	-45 54 54.6	7.1				
14 32.5-46.2	19823	14 32.6	-46 9 6.7						
14 45.0-46.3		-46 9 639 <sup>h</sup>	[[Does 9638 superpose?]]	14 44.0	-46 14.5	7.2	WA		
-46 9672	14 46.9	-46 7.4	7.5 GC						
15 10.1-45.8	20691	15 10.1	-45 50 7.0						
14 29.0-46.5	19740	14 29.2	-46 12 7	-46 9431	14 27.6	-46 16.0	7.3	GC	
14 49.5-46.6	20209	14 49.9	-46 33 8						
[[/table]]									

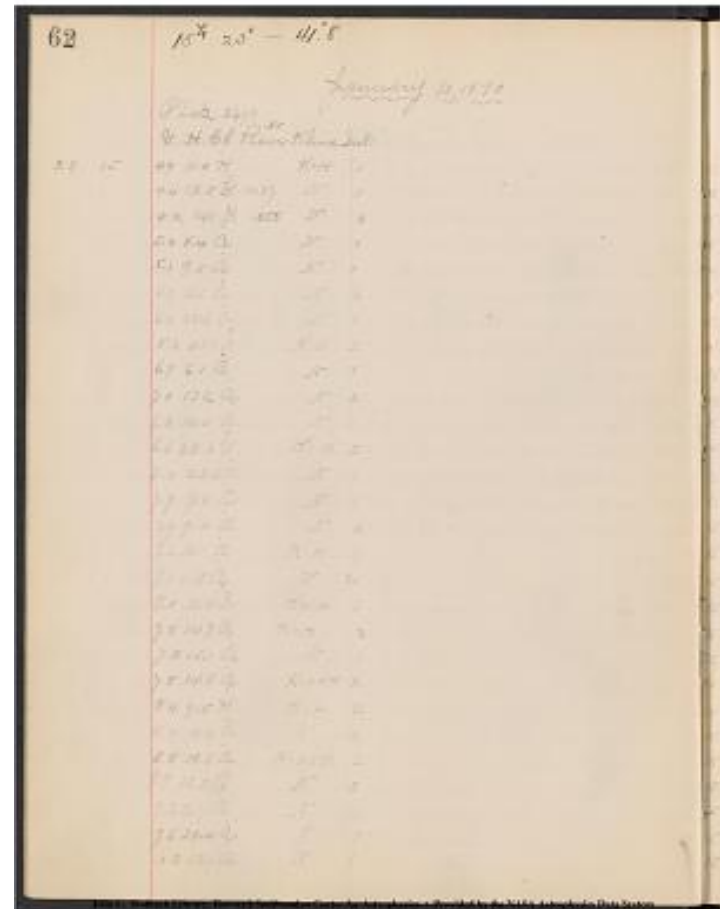
61									
1900 [A.G.C. No.   R.A. 1900   Dec. 1900   Magn   C.D.M. No.   R.A.   Dec.   Magn]									
-----									
14 31.7-45.4	19802	14 <sup>h</sup> 31.6 <sup>m</sup>	-45 <sup>°</sup> 27' 17"						
14 35.8-45.9	19880	14 35.4	-45 52 7.8						
14 41.0-45.8	20018	14 41.2	-45 44 8.5						
14 53.0-45.8	20308	14 53.1	-45 45 7.4						
14 53.2-45.9	20306	14 53.2	-45 51 7.3						
14 21.2-45.8	19554	14 21.2	-45 45 7.8						
14 27.9-45.9	19712	14 28.0	-45 52 7.5						
14 27.1-46.1	19695	14 27.3	-46 2 7.5						
14 28.2-46.1		-45 9 27 6	14 27.0	-45 54 54.6	7.1				
14 32.5-46.2	19823	14 32.6	-46 9 6.7						
14 45.0-46.3		-46 9 639 <sup>h</sup>	[[Does 9638 superpose?]]	14 44.0	-46 14.5	7.2	WA		
-46 9672	14 46.9	-46 7.4	7.5 GC						
15 10.1-45.8	20691	15 10.1	-45 50 7.0						
14 29.0-46.5	19740	14 29.2	-46 12 7	-46 9431	14 27.6	-46 16.0	7.3	GC	
14 49.5-46.6	20209	14 49.9	-46 33 8						

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 15<sup>h</sup> 23<sup>m</sup> 41.8<sup>s</sup>  
January 13, 1893

Plate 3679  
 23 15

V.	H.	Cl.	Rem. No.	K line	Int.
4.9	11.0	H		K=H 1	
4.4	12.5	B	1057	N 3	
4.2	14.1	B	1058	N 3	
5.4	8.4	A		N 1	
5.1	9.5	A		N 1	
5.9	12.1	A		N 2	
6.0	15.3	A		N 1	
5.6	20.1	I		K=N 2	
6.9	6.1	A		N 1	
7.0	13.2	A		N 2	
6.8	16.0	A		N 1	
6.6	22.0	G		K=H 2	
6.2	22.2	A		N 1	
7.9	7.0	A		N 1	
7.7	9.0	A		N 2	
7.6	10.1	A		K=H 1	
7.1	11.8	A		N 2	
8.0	13.4	A		K=0.2H 3	
7.8	14.9	A		K=H 2	
7.8	15.1	A		N 1	
7.8	15.8	A		K=0.4H 2	
8.4	7.5	H		K=H 2	
8.9	18.4	A		N 2	
8.8	18.5	A		K=0.5H 2	
9.9	13.2	A		N 3	
9.3	16.7	A		N 2	
9.6	20.4	A		N 1	
10.3	13.7	A		N 1	



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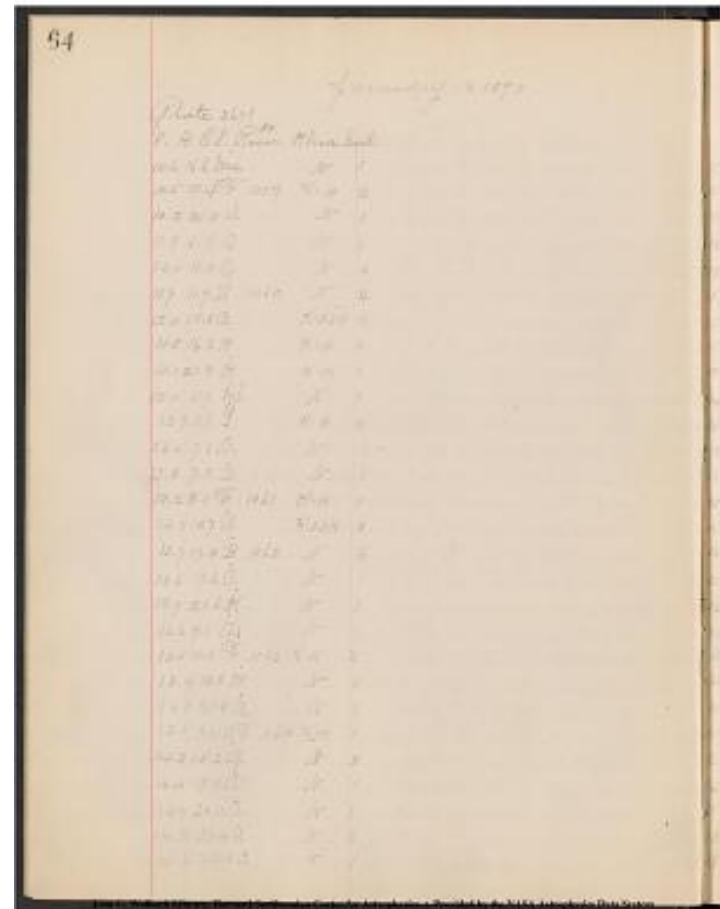
Plate 3679

[[table]]

V|H|Cl|Rem. No.|K line|Int|

10.6	16.6	Ma	N 1
10.5	19.4	F	1059 K=H 2
10.2	21.0	A	N 1
11.9	6.9	A	N 3
12.0	11.0	A	N 3
11.9	11.9	B	1060 N 4
12.0	12.0	A	K=0.3H 2
11.5	16.3	H	K=H 1
11.1	21.8	H	K=H 1
12.5	5.9	Mb	N 1
12.9	5.9	I	K=H 3
13.0	7.6	A	N 1
12.8	7.8	A	N 1
12.2	8.1	H	1061 K=H 1
12.7	10.7	A	K=0.3H 3
12.7	17.0	B	1062 N 5
12.6	17.6	A	N 1
12.7	21.6	H	N 1
13.6	9.1	A	N 1
13.5	10.0	F	1063 K=H 3
13.4	10.8	H	N 1
13.1	21.5	A	N 1
13.1	24.2	F	1064 K=H 1
14.3	15.2	A	N 3
14.4	19.0	A	N 1
14.7	20.3	A	N 1
14.2	20.4	A	N 3
14.3	22.3	A	N 1

[[/table]]



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1900|A.G.C.|1900 R.A.|1900 Dec.|Magn|C.D.M.No.|R.A.|Dec.|Magn.|  
|---|---|---|---|---|---|---|---|  
15 27.5-39.7|21064|15^|[h]]| 27.4^|[m]]|-39|[symbol-degree symbol]]  
43|6.6| | | | | | |  
15 34.4-39.7|21232|15 34.4|-39 39|6.8| | | | |  
15 38.9-39.5|21328|15 38.7|-39 28|8| | | | |  
15 1.7-40.2|20509|15 1.7|-40 12|6.2| | | | |  
15 12.4-40.4|20731|15 12.4|-40 26|6.2| | | | |  
15 14.8-40.3|20779|15 14.8|-40 18|3.7| | | | |  
15 15.0-40.4|20782|15 15.0|-40 24|7.0| | | | |  
15 26.6-40.2|21048|15 26.7|-40 9|6.9| | | | |  
15 41.0-39.9|21366|15 40.8|-39 53|6.8| | | | |  
14 58.2-40.5|20429|14 58.2|-40 28|7.0| | | | |  
14 58.7-40.7|20444|14 58.8|-40 41|5.7| | | | |  
15 3.7-40.9|20542|15 3.5|-40 48|8.2|-40 9336|15 1.9|-40 41.5|7.7GC|  
15 3.9-40.8|20550|15 3.8|-40 38|8.5|-40 9340|15 2.2|-40 31.8|8.2GC|  
15 4.7-40.5|20564|15 4.7|-40 20|8|-40 9347|15 3.1|-40 14.4|7.5GC|  
15 ~~[[strikethrough]]12.2~~~~[[/strikethrough]]~~|~~17.5-40.7~~|20716 15|11.5|-40  
42|6.9| | | | | | |  
15 28.4-40.8|21084|15 28.5|-40 50|3.2| | | | |  
15 30.0-40.8|21135|15 30.5|-40 47|8.5| | | | |  
15 40.8-40.8|21362|15 40.7|-40 43|7.5| | | | |  
15 7.0-41.3|20610|15 7.1|-41 7|7.5|-41 9635|15 5.5|-41 1.1|7.5GC|  
15 9.5-41.1|20672|15 9.5|-41 8|5.8| | | | |  
15 11.9-41.1|20720|15 11.7|-41 3|7.5|-40 9482|15 10.1|-40 57.4|7.5GC|  
15 40.9-40.9|21356|15 40.3|-40 54|8.5|40 9921|15 38.6|-40 49.0|8.0GC|  
15 48.0-41.0|21522|15 47.9|-40 54|8.8| | | | |  
15 23.7-41.5|20976^|[20975]]|15 23.1^|[15 23.7]]|-41 34^|[-41  
34]]|7^|[9]]| | | | | | |  
15 33.6-41.6| | | | | -41 10715|15 32.2|-41 32.4|7.5|  
15 37.4-41.7|21292|15 37.2|-41 42|8.5| | | | |  
15 37.6-41.5|21309^|[21308]]|15 37.7^|[15 37.6]]|-41 30^|[-41  
30]]|6.5^|[8.5]]| | | | | | |  
15 42.4-41.6|21403|15 42.5|-41 29|7.8| | | | |  
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1900 A.G.C. 1900 R.A. 1900 Dec. Magn. C.D.M.No. R.A. Dec. Magn.

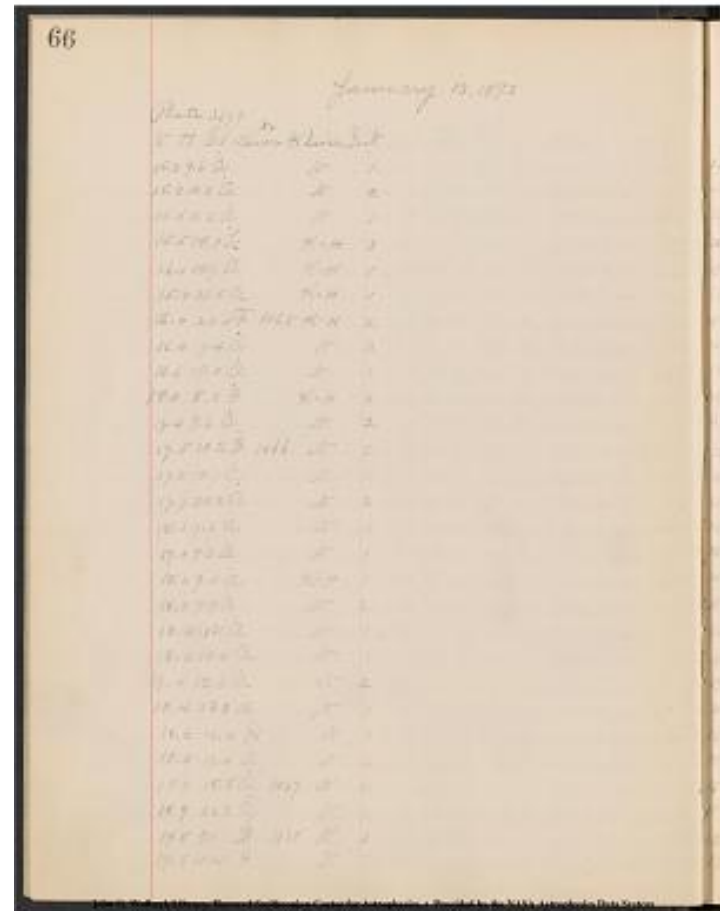
27.5-39.7	21064	15 34.4	-39 39	6.8					
38.9-39.5	21328	15 38.7	-39 28	8					
1.7-40.2	20509	15 1.7	-40 12	6.2					
12.4-40.4	20731	15 12.4	-40 26	6.2					
14.8-40.3	20779	15 14.8	-40 18	3.7					
15.0-40.4	20782	15 15.0	-40 24	7.0					
26.6-40.2	21048	15 26.7	-40 9	6.9					
41.0-39.9	21366	15 40.8	-39 53	6.8					
58.2-40.5	20429	14 58.2	-40 28	7.0					
58.7-40.7	20444	14 58.8	-40 41	5.7					
3.7-40.9	20542	15 3.5	-40 48	8.2	-40 9336	15 1.9	-40 41.5	7.7GC	
3.9-40.8	20550	15 3.8	-40 38	8.5	-40 9340	15 2.2	-40 31.8	8.2GC	
4.7-40.5	20564	15 4.7	-40 20	8	-40 9347	15 3.1	-40 14.4	7.5GC	
<del>12.2</del>	<del>17.5-40.7</del>	20716	15 11.5	-40 42	6.9				
28.4-40.8	21084	15 28.5	-40 50	3.2					
30.0-40.8	21135	15 30.5	-40 47	8.5					
40.8-40.8	21362	15 40.7	-40 43	7.5					
7.0-41.3	20610	15 7.1	-41 7	7.5	-41 9635	15 5.5	-41 1.1	7.5GC	
9.5-41.1	20672	15 9.5	-41 8	5.8					
11.9-41.1	20720	15 11.7	-41 3	7.5	-40 9482	15 10.1	-40 57.4	7.5GC	
40.9-40.9	21356	15 40.3	-40 54	8.5	40 9921	15 38.6	-40 49.0	8.0GC	
48.0-41.0	21522	15 47.9	-40 54	8.8					
23.7-41.5	20976^ [20975]]	15 23.1^ [15 23.7]]	-41 34^	[-41 34]]	7^ [9]]				
33.6-41.6					-41 10715	15 32.2	-41 32.4	7.5	
37.4-41.7	21292	15 37.2	-41 42	8.5					
37.6-41.5	21309^ [21308]]	15 37.7^ [15 37.6]]	-41 30^	[-41 30]]	6.5^ [8.5]]				
42.4-41.6	21403	15 42.5	-41 29	7.8					

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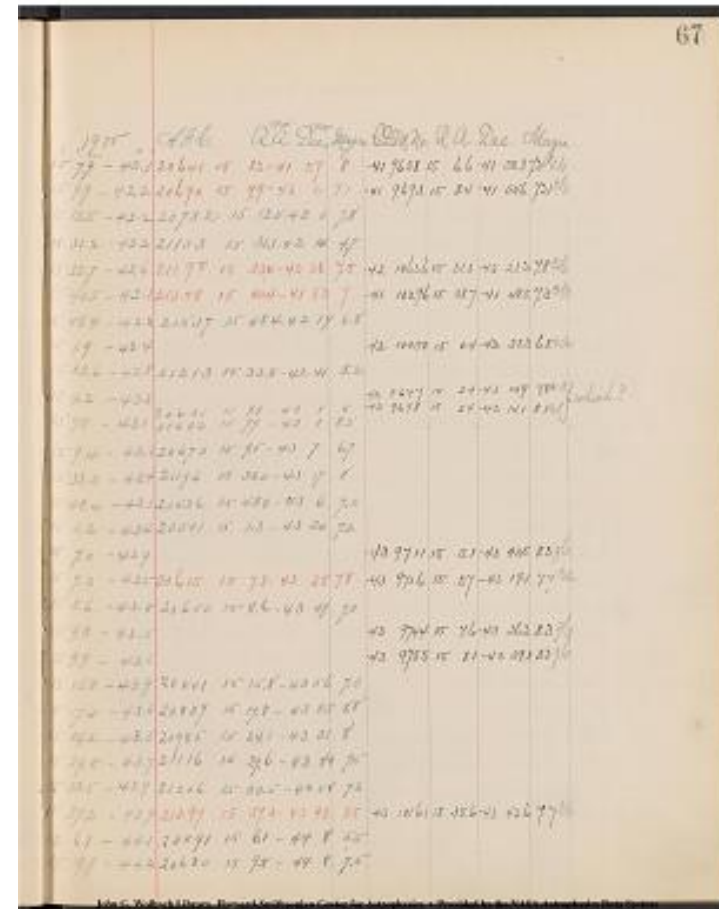
V	H	Cl	Rem <sup>^</sup>	[No]	K line	Int
15.3	9.6	A		N	1	
15.3	10.3	A		N	2	
15.5	11.2	A		N	1	
15.5	18.0	L		K=H	3	
16.0	18.9	A		K=H	1	
15.0	21.5	A		K=H	1	
16.0	24.4	F	1065	K=H	2	
16.4	4.4	A		N	3	
16.6	19.0	A		N	1	
18.0	8.2	G		K=H	2	
19.4	9.6	A		N	2	
19.5	10.2	B	1066	N	3	
19.8	18.9	A		N	1	
19.9	24.3	A		N	2	
18.1	9.3	A		N	2	
19.0	9.2	A		N	1	
18.2	9.5	A		K=H	1	
18.8	9.9	A		N	2	
18.4	10.1	A		N	1	
18.4	10.4	A		N	1	
19.0	12.6	A		N	1	
18.4	13.3	A		N	1	
18.2	15.4	H		N	1	
18.5	19.4	A		N	2	
19.0	18.8	A	1069	N	2	
18.9	20.2	A		N	1	
19.5	9.1	B	1068	N	3	
19.5	10.4	H		N	1	

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[[table]]  
1900|A.G.C.|R.A^[1900]]|Dec.^[[1900]]|C.D.M. No.|R.A.|Dec.|Magn.|  
|---|---|---|---|---|---|  
15^[[h]] 7.9^[[m]]-42^[[symbol-degree symbol]].1'|20641|15 8.2|-41  
57|8|-41 9658|15 6.6|-41 50.8|7.3 GC|  
15 9.9-42.2|20690|15 9.9|-42 0|7.1|-41 9693|15 8.4|-41 54.6|7.2GC|  
15 12.5-42.2|20732|15 12.5|-42 5|7.8| | | | |  
15 31.2-42.2|21153|15 31.3|-42 14|4.7| | | | |  
15 32.7-42.6|21195|15 33.0|-42 26|7.5|-42 10636|15 31.3|-42  
21.2|7.8GC|  
15 40.5-42.1|21358|15 40.4|-41 53|7|-41 10296|15 38.7|-41 48.5|7.3GC|  
15 48.4-42.3|21537|15 48.4|-42 19|6.8| | | | |  
15 1.9-42.4| | | | -42 10050|15 0.4|-42 23.3|6.5 WA|  
15 33.6-42.8|21213|15 33.8|-42 41|8.2| | | | |  
15 4.2-43.3| | | | -43^[[[-43]]] 9678^[[9677]]|15^[[[15]]] 2.4^[[[2.4]]]-  
43^[[[-43]]] 14.1^[[[14.9]]]|8.1GC|^[[[7.8W.A]]]]which?|  
15 7.8-43.1|20632^[[[20631]]]|15^[[[15]]] 7.9^[[[7.9]]]-43^[[[-43]]]  
1^[[[1]]]8.5^[[[8]]]| | | | |  
15 9.4-43.1|20670|15 9.5|-43 7|6.7| | | | |  
15 33.0-43.4|21196|15 33.0|-43 17|8| | | | |  
15 48.4-43.1|21536|15 48.4|-43 6|7.0| | | | |  
15 1.2-43.4|20501|15 1.3|-43 20|7.2| | | | |  
15 7.0-43.9| | | | -43 9711|15 5.1|-43 43.5|8.3ZC|  
15 7.3-43.5|20615|15 7.3|-43 25|7.8|-43 9716|15 5.7|-43 19.4|7.7GC|  
15 8.6-43.8|20650|15 8.6|-43 47|7.0| | | | |  
15 9.3-43.5| | | | -43 9744|15 7.6|-43 26.2|8.3ZC|  
15 9.9-43.5| | | | -43 9755|15 8.1|-43 29.1|8.3ZC|  
15 15.8-43.9|20801|15 15.8|-43 56|7.0| | | | |  
15 17.4-43.6|20837|15 17.8|-43 35|8.8| | | | |  
15 24.2-43.5|20985|15 24.1|-43 31|8| | | | |  
15 29.8-43.7|21116|15 29.6|-43 40|7.5| | | | |  
15 33.5-43.9|21206|15 33.5|-43 58|7.2| | | | |  
15 37.2-43.9|21297|14 37.3|-43 48|8.5|-43 10161|15 35.6|-43  
42.6|7.7GC|  
15 6.1-44.1|20591|15 6.1|-44 8|5.5| | | | |  
15 9.9-44.2|20680|15 9.8|-44 8|7.5| | | | |  
[[/table]]



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January 13, 1893  
Plate 3699

[[table]]									
V	H	Cl	Rem No	K line	Int				
19.9	12.6	B	1069	N	4				
19.2	19.3	I		N	2				
19.2	19.9	A		N	1				
19.9	19.0	A		K=0.5H	2				
19.9	19.1	F	1090	K=H	3				
19.4	21.9	A		N	2				
19.9	24.2	A		N	2				
19.9	24.3	A		N	2				
20.9	8.9	A		N	1				
20.3	12.3	A		N	2				
20.2	14.8	A		N	1				
20.5	15.9	A		N	2				
20.2	19.2	B	1091	N	3				
21.1	9.8	A		N	4				
21.1	8.9	H		N	1				
21.3	15.4	A		N	1				
21.9	18.2	A		N	2				
21.4	22.3	A		K=H	2				
21.8	22.9	A		N	1				
21.3	23.0	H?		N	1				
22.9	10.9	F	1092	K=H	2				
[[V 22.7?]]					21.9	12.9	H	N	1
22.4	19.9	H		N	1				
23.8	14.9	L		N	2				
[[/table]]									

Plate 3639

[[table]]					
----	----	----	----	----	----
5.6	8.9	A		N	3
5.6	9.6	A		N	2
5.8	19.7	A		K=.2H	3
[[/table]]					

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January 13, 1893

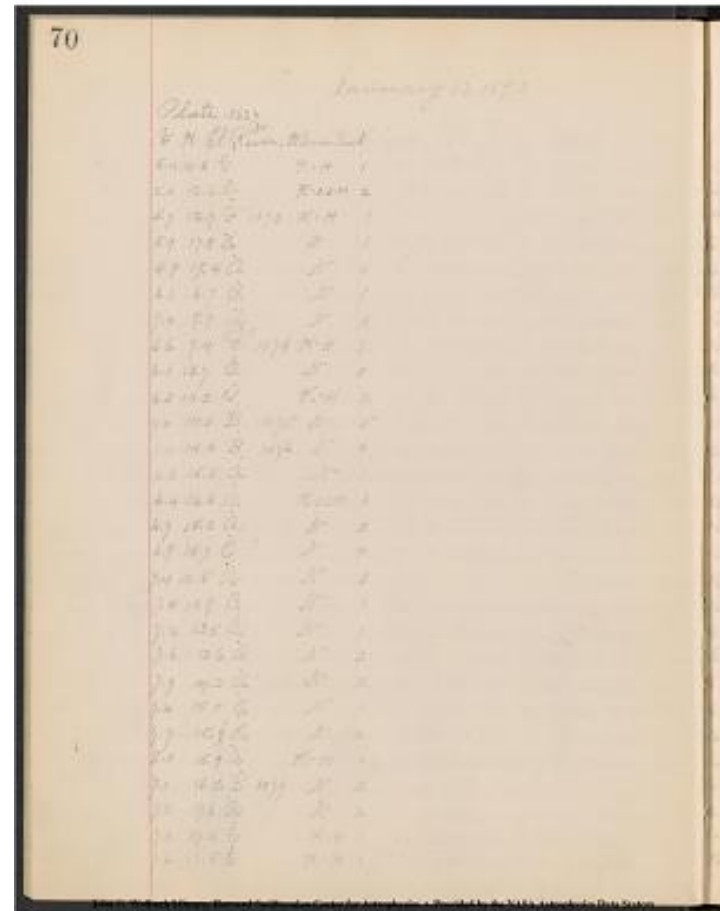
Plate 3637

[[table]]

V|H|Cl|Rem. No.|K line|Int|

5.4	10.3	G		K=H 1	
5.0	12.6	A		K=0.5H 2	
5.7	12.9	O	1093	K=H 1	
5.9	17.8	A		N 1	
4.9	19.4	A		N 1	
6.1	16.7	A		N 1	
7.0	9.7	A		N 1	
6.6	9.4	F	1074	K=H 1	
6.1	13.7	A		N 3	
6.3	14.3	E		K=H 2	
7.0	14.0	B	1075	N 5	
7.0	14.2	B	1076	N 4	
6.3	15.5	A		N 1	
6.4	16.6	A		K=0.3H 3	
6.7	18.3	A		N 2	
6.9	18.7	A		N 2	
7.4	10.8	A		N 3	
7.8	10.9	A		N 1	
7.2	13.5	A		N 1	
7.6	13.6	A		N 2	
7.9	14.3	A		N 2	
7.4	15.0	A		N 1	
7.9	15.	<del>[[/strikethrough]]</del>	<del>9</del>	<del>[[/strikethrough]]</del> 1 A	N 2
8.0	15.9	A		K=H 1	
7.1	16.2	B	1077	N 2	
7.8	17.6	A		N 2	
7.1	17.3	E		K=H 1	
7.6	17.5	E		K=H 1	

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[/table]]



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[[preprinted]]72[[/preprinted]]

January 13, 1893

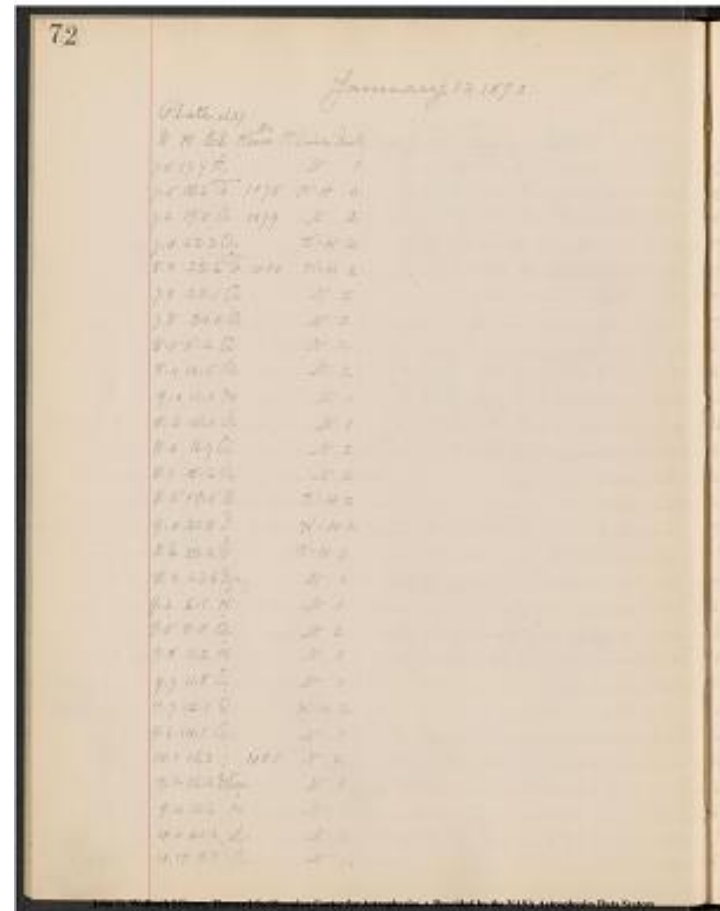
Plate 3634

[[table]]

|V|H|C|Rem. No.|K line|Int|

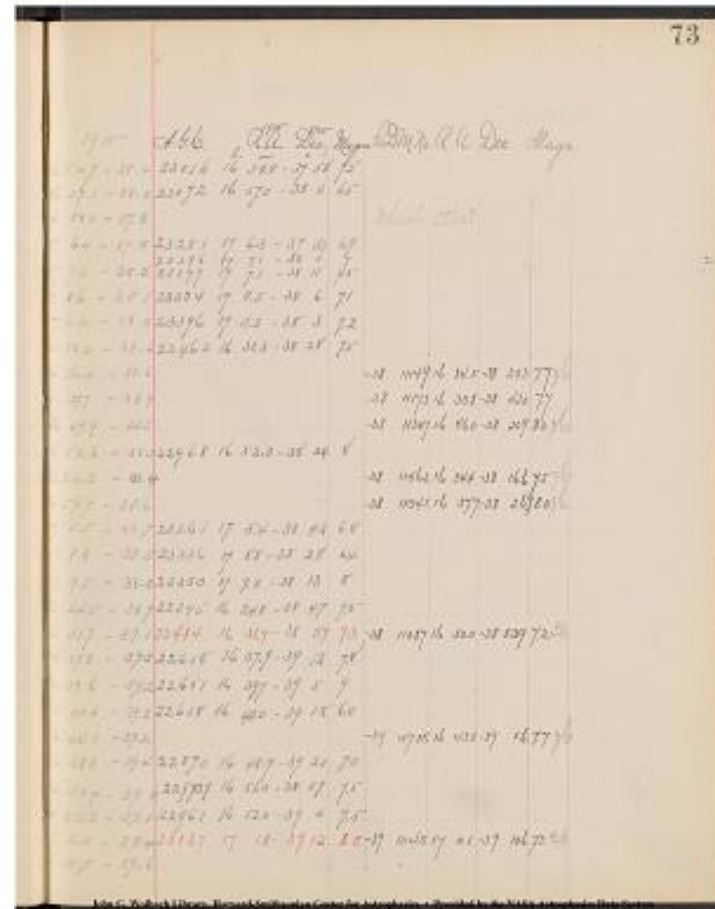
7.5	17.7	H		N	1
7.5	18.6	F		1078	K:H 3
7.2	19.0	A		1079	N 2
7.3	22.3	A		K:H	2
8.0	22.6	F		1080	K:H 2
7.8	23.1	A		N	2
7.8	24.2	A		N	2
8.5	8.2	A		N	2
8.4	10.5	A		N	2
9.0	11.0	H		N	1
8.3	15.0	A		N	1
8.3	16.7	A		N	2
8.1	18.2	A		N	2
8.5	19.5	E		K:H	2
9.0	21.8	I		K:H	2
8.6	23.2	G		K:H	3
8.2	23.5	[[Via?]]		N	1
9.3	6.1	H		N	1
9.5	8.8	A		N	2
9.8	11.2	H		N	1
9.7	11.8	A		N	1
9.7	12.1	G		K:H	2
9.6	14.1	A		N	1
10.0	15.3	?		1081	N 1
9.2	16.2	Ma?		N	1
9.4	16.6	H		N	1
10.0	20.3	A		N	1
10.4	8.8	A		N	1

[[/table]]



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[[preprinted]]73[[/preprinted]]  
[[table]]  
1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.	R.A.	Dec.	Magn
16 54.7-23.0|23016|16^|[h]] 54.8^|[m]]-37^|[symbol-degree symbol]]  
58|7.5| | | | |  
16 57.1-38.0|23072|16 57.0|-38 0|6.5| | | | |  
16 58.1-37.8| | | | |Which|Star?| | | | |  
17 6.4-37.8|23281|17 6.3|-37 50|6.9| | | | |  
17 7.0-38.2|23297^|[23296]]|17^|[17]] 7.1^|[7.1]]|-38^|[38]]  
11^|[11]]|9.5^|[7]]| | | | |  
17 8.6-38.1|23334|17 8.5|-38 6|7.1| | | | |  
17 11.2-38.0|23396|17 11.3|-38 3|7.2| | | | |  
16 30.0-38.6|22462|16 30.3|-38 28|7.5| | | | |  
16 36.4-38.6| | | | |-38 11|49|16 34.5|-38 25.3|7.7ZC|  
16 37.7-38.9| | | | |-38 11|73|16 35.8|-38 42.0|7.7|  
16 47.9-38.5| | | | |-38 11|307|16 46.0|-38 20.9|8.0ZC|  
16 52.6-38.5|22968|16 52.3|-38 24|8| | | | |  
16 56.3-38.4| | | | |-38 11|462|16 54.4|-38 16.6|7.5ZC|  
16 59.7-38.6| | | | |-38 11|541|16 57.7|-38 26.9|8.0ZC|  
17 5.5-38.7|23261|17 5.4|-38 42|6.8| | | | |  
17 8.8-38.5|23336|17 8.8|-38 28|6.4| | | | |  
17 9.5-38.3|23353|17 9.3|-38 13|8| | | | |  
16 24.5-38.9|22345|16 24.8|-38 47|7.5| | | | |  
16 31.7-39.1|22484|16 31.7|-38 57|7.3|-38 11|087|16 30.0|-38  
53.9|7.2GC|  
16 37.8-39.3|22618|16 37.9|-39 12|7.8| | | | |  
16 39.6-39.2|22651|16 39.7|-39 5|9| | | | |  
16 40.0-39.2|22658|16 40.0|-39 12|6.0| | | | |  
16 45.1-39.2| | | | |-39 10|785|16 43.5|-39 1.6|7.7ZC|  
16 48.8-39.4|22870|16 48.7|-39 21|7.0| | | | |  
16 51.4-39.0|229737|16 51.0|-38 57|7.5| | | | |  
16 52.3-39.1|22961|16 52.0|-39 0|7.5| | | | |  
17 2.0-39.4|23167|17 1.8|-39 12|8.5|-39 11|145|17 0.1|-39 10.6|7.3GC|  
16 31.7-39.6| | | | | | | | | |  
[[/table]]



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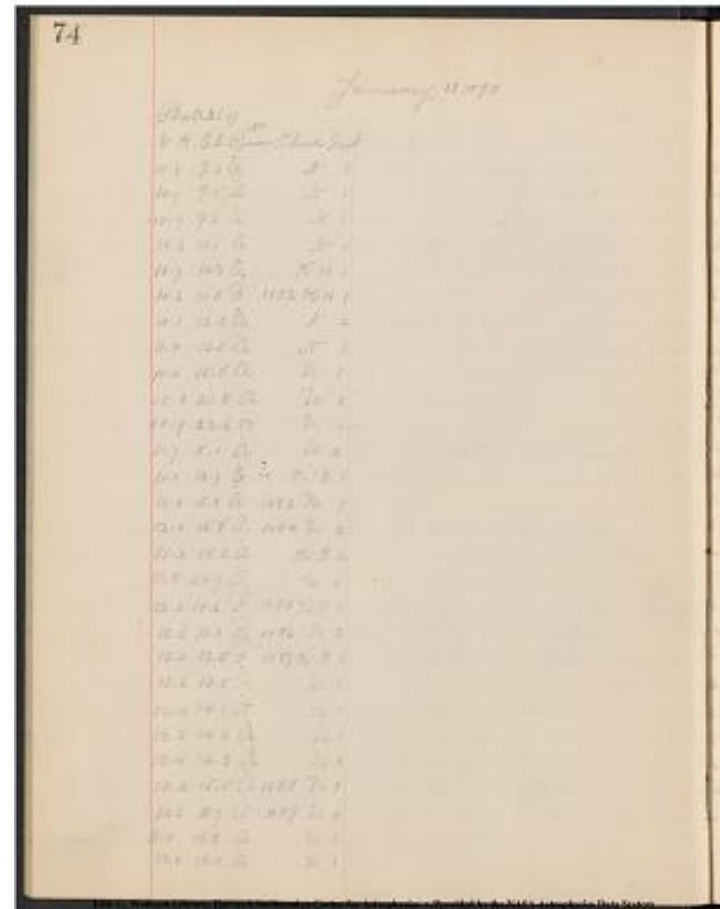
plate 3637

[[table]]

V|H|Cl|Rem. No.|K line|Int|

10.3	9.3	A		N	1
10.7	9.5	A		N	1
10.9	9.6	A		N	1
10.3	10.1	A		N	1
10.7	10.3	A		K=H	1
10.6	11.8	F	1082	K=H	1
10.1	12.2	A		N	2
11.0	12.5	A		N	1
11.0	15.58	A		N	1
10.3	21.8	A		N	3
10.9	22.6	H		N	1
11.7	8.1	A		H	2
11.1	13.7	E		K=H	1
12.0	15.0	A	1083	H	1
12.0	15.8	A	1084	H	2
11.3	18.2	A		K=H	2
11.8	20.7	A		H	1
12.3	10.6	F	1085	K=H	1
12.6	11.3	B	1056	H	3
13.0	12.5	F	1087	K=H	1
12.6	13.5	A		H	1
12.4	14.1	H		H	1
12.4	14.3	A		H	3
12.2	15.5	A	1088	H	3
12.6	15.7	A	1089	H	3
13.0	15.8	A		H	1
13.0	15.3	A		H	1

[[/table]]

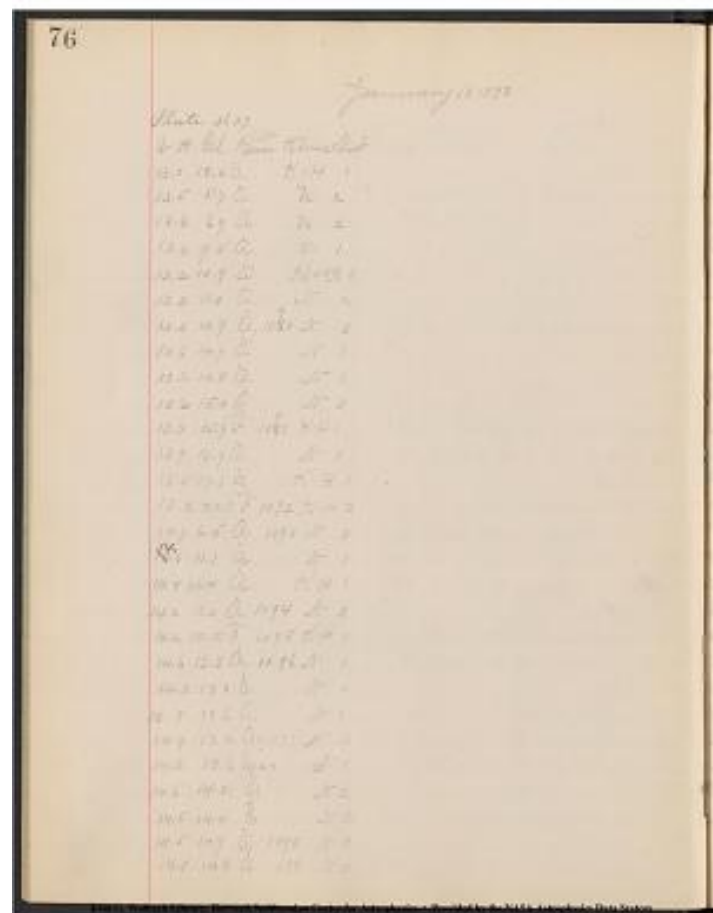


Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[illegible][illegible]

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 January 13, 1893  
 Plate 3637  
 [[table]]  
 V|H|Cl|Rem^[[No]]|K line|Int|  
 ---|---|---|---|---|  
 13.0|18.0|A| |K=H|1|  
 13.5|5.7|A| |N|2|  
 13.3|6.7|A| |N|1|  
 13.3|9.8|A| |N|1|  
 13.2|10.9|A| |K=0.4H|2|  
 13.2|11.0|A| |N|2|  
 13.3|13.9|O?|10~~[[/del]]8~~[[/del]]90~~|N|3|  
 13.6|14.7|A| |N|1|  
 13.2|14.8|A| |N|1|  
 13.2|15.0|Q| |N|3|  
 13.3|15.7|F|10~~[[/del]]8~~[[/del]]91~~|K=H|1|  
 13.9|16.7|A| |N|1|  
 13.5|17.7|A| |K=H|1|  
 13.2|20.1|F|1092|K=H|2|  
 14.9|6.5|A|1093|N|3|  
~~[[/del]]13~~[[/del]]14.6|11.1|A| |N|1|~~  
 14.8|11.4|A| |K=H|1|  
 14.2|12.0|A|1094|N|2|  
 14.2|12.2|F|1095|K=H|1|  
 14.6|12.3|A|1096|N|1|  
 14.2|13.3|E| |N|1|  
 13.9|13.6|A| |N|1|  
 14.9|13.2|A|1097|N|2|  
 14.6|13.6|Ma?| |N|1|  
 14.6|14.2|O| |N|2|  
 14.5|14.4|E| |N|2|  
 14.5|14.7|A|1098|N|3|  
 14.5|14.8|A|1099|N|3|  
 [[/table]]~~~~~~



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[[table]]

V|H|Cl|Rem. No.|K line|Int|

14.5|14.9|O| |N|2|

15.0|15.0|A|1100|N|2|

14.3|19.9|A| |K=0.5H|2|

14.2|21.1|A| |N|2|

14.7|21.1|E| |K=H|1|

14.7|22.1|A| |K=H|2|

15.2|14.6|F|1101|K=H|1|

15.6|14.8|A|1102|N|3|

15.9|14.9|F|1103|K=H|2|

15.6|15.0|K| |K=H|3|

15.7|17.3|A| |N|2|

16.0|22.9|A| |N|2|

15.3|24.2|A| |N|1|

16.7|8.3|A|1104|N|3|

16.9|14.2|A| |N|2|

16.9|14.7|Mb| |N|2|

17.0|15.3|A| |N|1|

16.9|15.8|A| |N|1|

16.7|19.7|A| |N|2|

16.6|21.6|A| |K=H|1|

17.6|6.6|A| |N|1|

17.5|8.1|A| |N|1|

17.7|9.1|B|1105|N|3|

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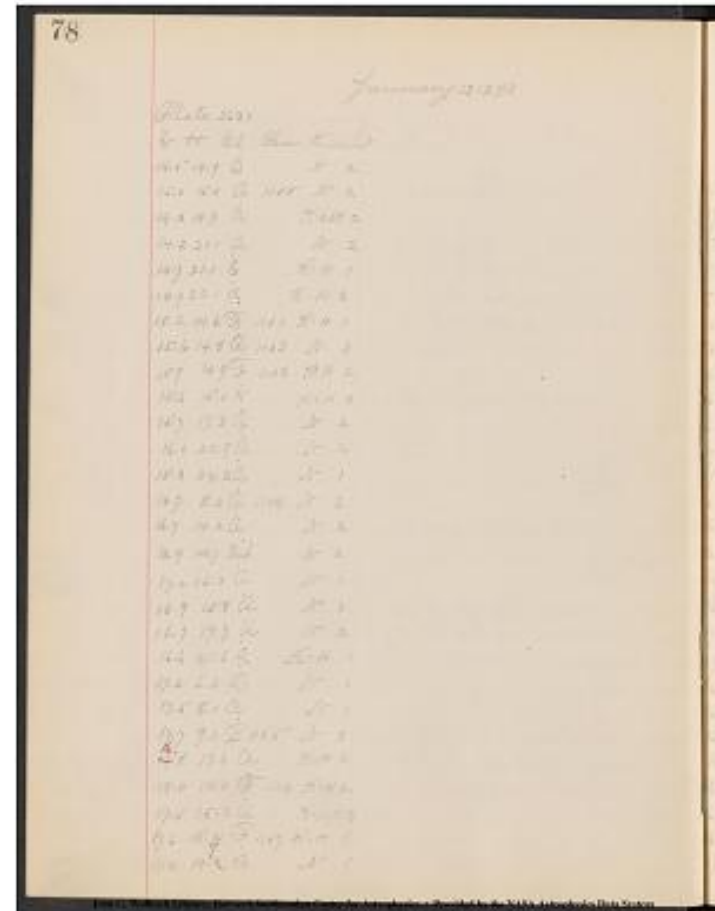
18.0|15.0|F|1106|K=H|2|

17.5|15.2|A| |K=H|0.2|H|3|

17.6|18.4|F|1109|K=H|1|

17.2|19. [[/strikethrough]]2[[/strikethrough]]7|A| |N|1|

[[/table]]



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[[table]]

1900[A.G.C. No.]R.A. 1900[Dec. 1900]Magn[C.D.M.  
No.]R.A.[Dec.]Magn]

16 48.0-42.0	22845	16 48.1	41 56	7.5					
17 1.0-41.5	23156	17 1.1	41 19	7.2					
17 4.2-41.8									
17 4.2-41.3	23221	17 4.0	41 19	7.2					
17 7.0-41.8									
16 46.0-42.1									
16 47.0-42.2	22812	16 47.0	42 12	5.8					
16 47.4-42.3	22829	16 47.4	42 19	6.6					
16 47.7-42.2	22832	16 47.6	42 12	3.6					
16 53.9-42.1									
17 9.8-42.3	23344	17 9.2	42 14	7.1					
17 13.2-41.9	23428	17 12.7	41 56	7.5					
16 29.5-42.7	22441	16 29.4	42 39	6.0					
16 45.3-42.9	22765	16 45.5	42 50	7					
16 46.6-42.9	22803	16 46.6	42 53	6.6					
16 49.0-43.1									
16 50.2-42.9	22908	16 50.0	42 48	8.5					
17 0.8-42.8	23149	17 0.7	42 50	8.2					
17 6.0-42.8									
17 24.2-43.2									
16 28.8-43.2									
16 31.5-43.2	22476	16 31.4	43 12	6.3					
16 43.0-43.0	22713	16 42.9	42 56	7.5					
16 48.0-43.4	22831	16 47.6	43 24	7.5					
16 48.6-43.2	22862	16 48.5	43 10	7.1					
16 58.5-43.1									
17 0.6-43.0									

[[/table]]

Table of the South Draper Catalogue

16 48.0-42.0 22845 16 48.1-41 56 7.5  
17 1.0-41.5 23156 17 1.1-41 19 7.2  
17 4.2-41.8  
17 4.2-41.3 23221 17 4.0-41 19 7.2  
17 7.0-41.8  
16 46.0-42.1  
16 47.0-42.2 22812 16 47.0-42 12 5.8  
16 47.4-42.3 22829 16 47.4-42 19 6.6  
16 47.7-42.2 22832 16 47.6-42 12 3.6  
16 53.9-42.1  
17 9.8-42.3 23344 17 9.2-42 14 7.1  
17 13.2-41.9 23428 17 12.7-41 56 7.5  
16 29.5-42.7 22441 16 29.4-42 39 6.0  
16 45.3-42.9 22765 16 45.5-42 50 7  
16 46.6-42.9 22803 16 46.6-42 53 6.6  
16 49.0-43.1  
16 50.2-42.9 22908 16 50.0-42 48 8.5  
17 0.8-42.8 23149 17 0.7-42 50 8.2  
17 6.0-42.8  
17 24.2-43.2  
16 28.8-43.2  
16 31.5-43.2 22476 16 31.4-43 12 6.3  
16 43.0-43.0 22713 16 42.9-42 56 7.5  
16 48.0-43.4 22831 16 47.6-43 24 7.5  
16 48.6-43.2 22862 16 48.5-43 10 7.1  
16 58.5-43.1  
17 0.6-43.0

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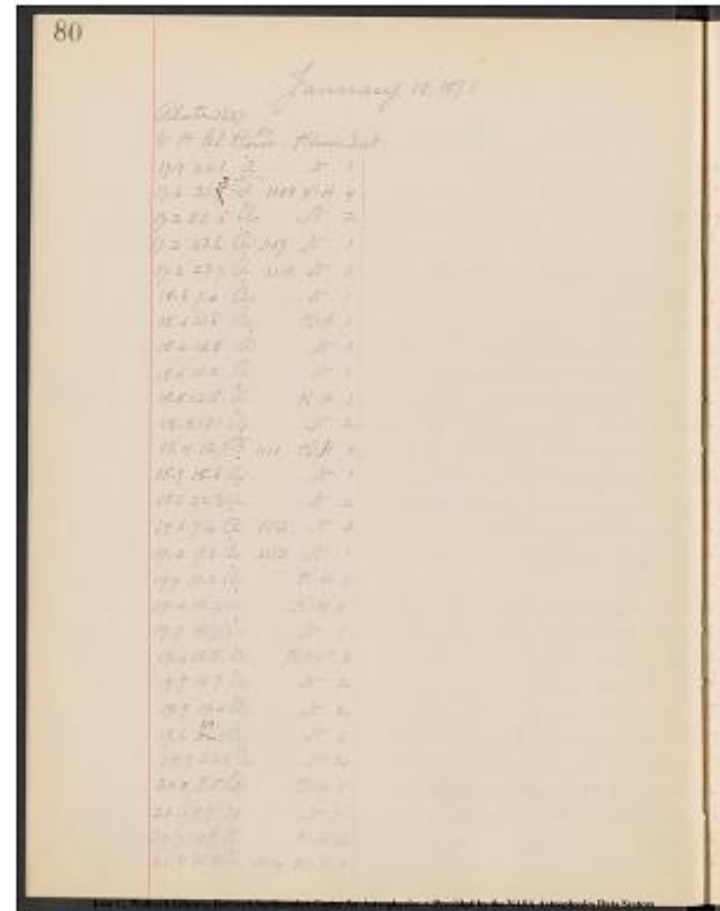
Plate 3637

[[table]]

V|H|Cl|Rem. No.|K line|Int|

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17.2	23.5	A		N	2			
17.2	23.6	A	1109	N	1			
17.2	23.7	A	1110	N	1			
18.6	7.0	A		N	1			
18.5	10.6	A		K=H	1			
18.3	10.8	A		N	1			
18.5	11.2	A		N	1			
18.8	12.5	A		K=H	1			
18.8	13.1	A		N	2			
18.4	13.7	F	1111	K=H	1			
18.9	15.6	A		N	1			
18.6	23.3	A		N	2			
19.1	7.6	A	1112	N	3			
19.3	9.3	A	1113	N	1			
19.7	11.3	A		K=H	1			
19.4	18.2	A		K=H	1			
19.9	18.7	A		N	1			
19.2	18.8	A		K=0.3H	2			
19.9	18.9	A		N	2			
19.9	19.4	A		N	2			
19.6	<del>[[/strickethrough]]</del>	<del>[[/strickethrough]]</del>	<del>[[/strickethrough]]</del>	23.5	A		N	3
19.9	23.8	A		N	2			
20.8	9.5	A		K=H	1			
20.1	9.9	H		N	1			
20.7	14.9	A		K=H	2			
21.8	16.8	F	1114	K=H	3			

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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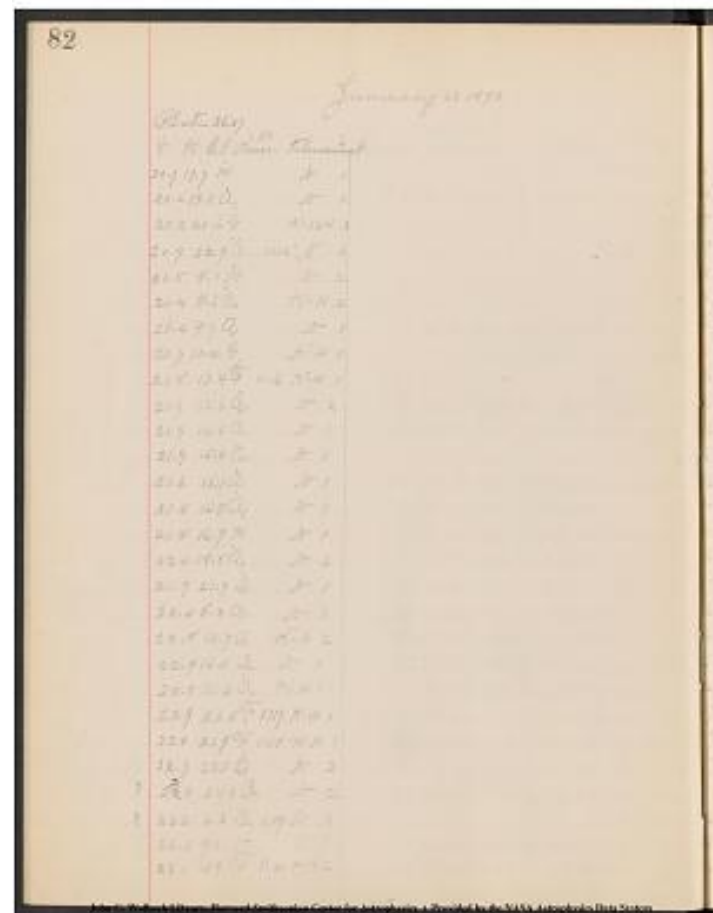
Plate 3637

[[table]]

V|H|Cl|Rem. No.|K line|Int|

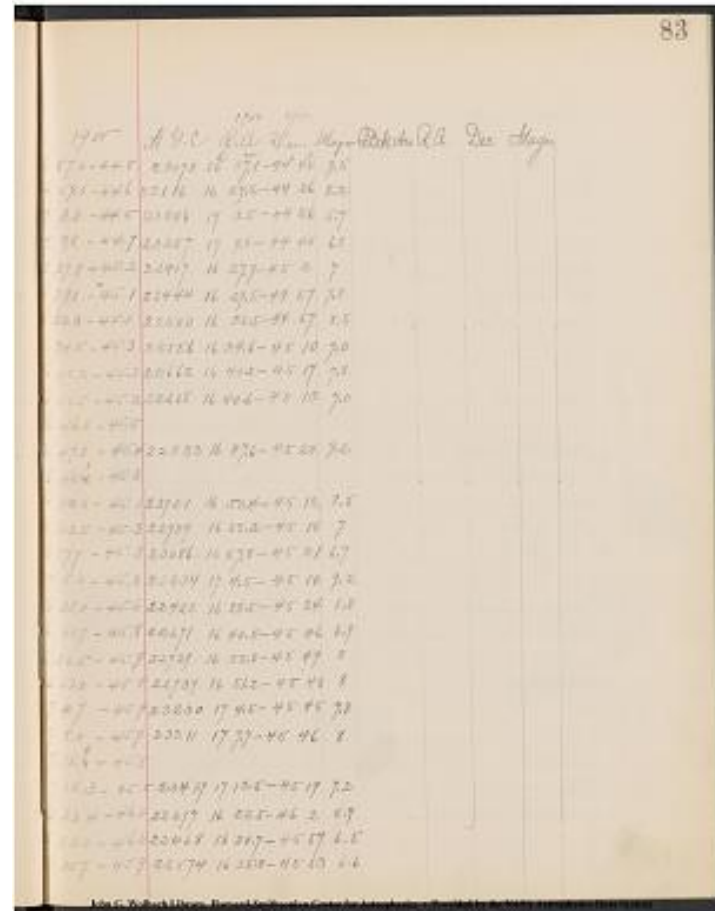
20.7	17.7	H		N		1		
20.2	19.1	A		N		1		
20.2	20.6	G		K=1.2H		3		
20.9	22.9	A		1115		N		2
21.5	8.1	H		N		2		
21.4	8.6	A		K=H		2		
21.4	9.7	A		N		1		
21.7	10.4	G		K=H		1		
21.8	12.4	F		1116		K=H		1
21.7	12.6	A		N		2		
21.9	14.5	A		N		1		
21.9	15.0	A		N		1		
21.6	15.1	A		N		1		
21.4	15.8	A		N		1		
21.8	16.9	H		N		1		
22.0	18.5	A		N		3		
21.9	21.7	A		N		1		
22.4	8.3	A		N		1		
22.8	12.7	A		K=H		2		
22.9	16.0	A		N		1		
22.8	16.2	A		K=H		1		
22.9	20.8	F		1117		K=H		1
23.0	21.9	F		1118		K=H		1
22.7	23.5	A		N		2		
? 2	<del>23.6</del>	A		1119		N		3
23.3	9.1	H		N		1		
23.1	10.9	F		1120		K=H		2

[[/table]]



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[[preprinted]]83[[/preprinted]]  
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 1900|AG.C.|R.A^[1900]]|Dec.^[1900]]|Magn.|C.D.M.No.|R.A.|Dec.|Mag  
 n.|  
 |---|---|---|---|---|---|---|  
 57.0-44.8|23070|16^[[h]]|57.1^[[m]]|44[[symbol - degree symbol]]  
 45|9.5| | | | | | |  
 16 59.0-44.6|23116|16 59.2|-44 26|8.2| | | | |  
 17 3.8-44.5|23206|17 3.5|-44 26|5.7| | | | |  
 17 9.8-44.7|23357|17 9.8|-44 40|6.8| | | | |  
 16 27.8-45.2|22417|16 27.9|-45 2|7| | | | |  
 16 29.0-45.1|22444|16 29.5|-44 47|7.8| | | | |  
 16 32.3-45.1|22500|16 32.5|-44 57|8.5| | | | |  
 16 34.5-45.3|22556|16 34.6|-45 10|7.0| | | | |  
 16 40.2-45.3|22662|16 40.2|-45 17|7.8| | | | |  
 16 40.5-45.2|22668|16 40.6|-45 13|7.0| | | | |  
 16 46.0-45.5| | | | | | | |  
 16 47.8-45.4|22833|16 47.6|-45 20|9.2| | | | |  
 16 48.~~[[/strikethrough]]~~4~~[[/strikethrough]]~~1-45.3| | | | | | | |  
 16 50.0-45.1|22921|16 50.4|-45 12|8.5| | | | |  
 16 53.5-45.3|22989|16 53.2|-45 18|7| | | | |  
 16 57.7-45.3|23086|16 57.8|-45 21|6.7| | | | |  
 17 5.0-45.3|23234|17 4.5|-45 10|9.2| | | | |  
 16 28.0-45.6|22425|16 28.5|-45 24|8.8| | | | |  
 16 40.7-45.8|22671|16 40.8|-45 46|6.9| | | | |  
 16 50.5-45.9|22929|16 50.8|-45 49|8| | | | |  
 16 51.0-45.8|22939|16 51.2|-45 45|8| | | | |  
 17 4.7-45.9|23230|17 4.5|-45 45|7.8| | | | |  
 17 8.0-45.9|23311|17 7.7|-45 46|8| | | | |  
 17 12.~~[[/strikethrough]]~~6~~[[/strikethrough]]~~0-45.8| | | | | | | |  
 17 13.3-45.5|23439|17 13.5|-45 19|7.2| | | | |  
 16 22.4-46.0|22297|16 22.5-46|2|5.9| | | | |  
 16 31.0-46.0|22468|16 30.7|45 57|6.5| | | | |  
 16 35.7-45.9|22574|16 35.8|-45 53|6.6| | | | |  
 [[/table]]



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Plate 3639

[[table]]

|V|H|Cl|Rem. No.|K line|Int|

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

23.2|~~2~~|~~2~~|1.16|F|1121|K=H|1|

23.9|12.0|A| |N|3|

23.8|12.9|F|1122|K=H|1|

24.0|16.5|A| |N|1|

23.4|16.6|A| |N|1|

23.6|20.6|A| |N|1|

[[/table]]

17<sup>h</sup> 23<sup>m</sup> 41<sup>s</sup>.5

Plate 3646

[[table]]

| | | | | | |

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

5.0|14.1|A| |N|1|

4.8|14.5|I| |K=H|2|

3.5|22.2|A| |N|2|

5.9|5.4|A| |N|3|

5.6|12.1|I| |K=H|2|

5.6|14.0|H| |N|1|

5.6|15.1|B|1123|N|3|

5.3|16.2|B?|1124|N|5|

6.0|17.0|A| |N|2|

5.2|19.9|H| |N|2|

5.5|22.7|K| |K=H|3|

6.8|12.0|E| |N|1|

6.9|17.7|A| |N|1|

7.0|17.9|G| |K=H|1|

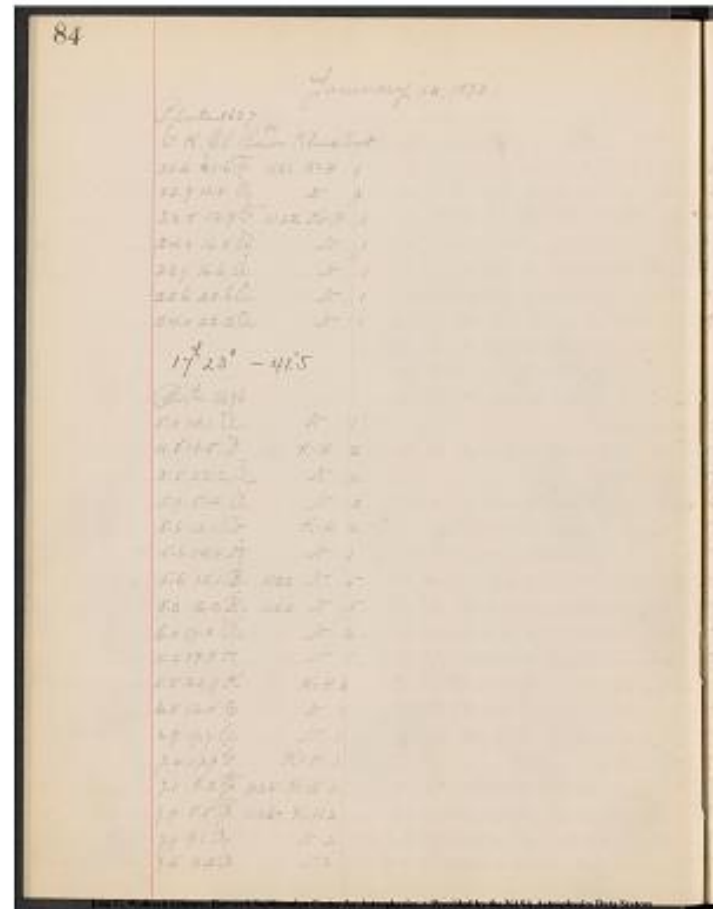
7.1|18.2|F|1125|K=H|1|

7.9|8.5|F|1126|K=H|2|

7.7|9.1|A| |N|2|

7.5|10.2|A| |N|2|

[[/table]]



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Plate 3676

[[table]]

[V|H|Cl|Rem. No.|K line|Int|

7.2|11.2|A| |K=H|1|

7.6|12.0|A| |N|1|

7.4|7.1|A| |K=H|1|

7.3|17.7|H| |K=H|2|

7.6|21.5|A| |N|2|

7.7|22.0|A| |N|1|

7.7|22.2|A| |N|1|

8.9|7.9|I| |K=H|2|

[[/strikethrough]]9[[/strikethrough]]8.3|9.3|F|1127|K=H|2|

8.2|14.7|A| |K=0.2 H|3|

8.5|15.3|F|1128|K=H|1|

8.8|16.7|H| |N|1|

8.4|17.3|G| |K=H|3|

8.9|20.3|H| |K=H|1|

10.0|6.6|A| |N|1|

9.1|15.3|F|1129|K=H|1|

9.9|18.4|E| |K=H|1|

9.7|18.7|A| |N|1|

9.2|19.6|B|1130|N|5|

9.9|21.2|A| |N|2|

9.4|22.3|A| |1131|N|1|

10.2|8.0|A| |N|3|

10.3|21.4|A| |N|1|

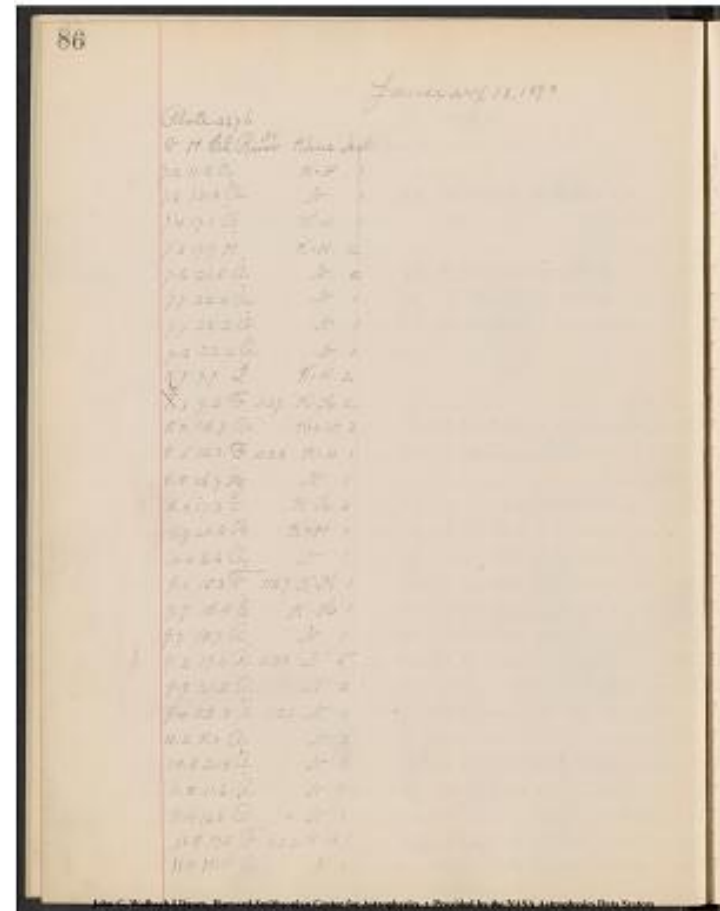
11.8|11.6|A| |N|1|

11.4|16.6|A| |N|1|

11.8|17.5|F|1132|K=H|1|

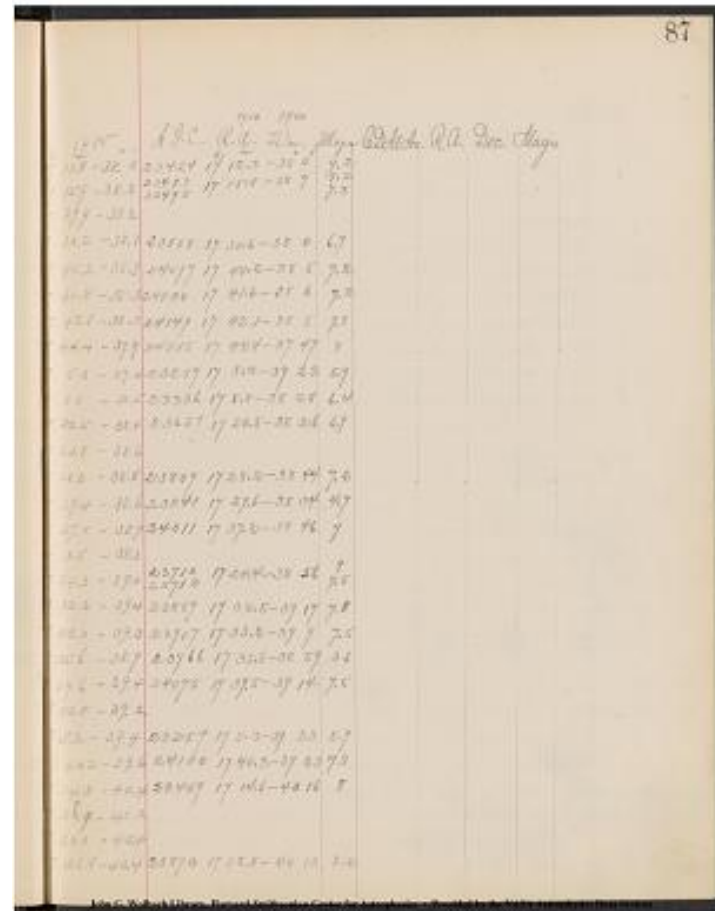
11.8|18.5|A| |N|1|

[[/table]]



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[[preprinted]]87[[/preprinted]]  
 [[table]]  
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 No.]R.A.[Dec.]Magn|  
 |---|---|---|---|---|  
 17^[[h]] 11.8^[[m]] - 38[[symbol - degree symbol]].0'23424|17^[[h]]  
 12.3^[[m]] - 38[[symbol - degree symbol]].0'9.2| | | | |  
 17 15.9 - 38.3|23495^[[23493]]|17 15.8|-38 7|7.3^[[9.2]]| | | | |  
 17 27.9 - 38.2| | | | | | | | | | |  
 17 30.2 - 38.1|23855|17 30.6|-38 0|6.7| | | | |  
 17 40.2 - 38.3|24097|17 40.2|-38 5|7.2| | | | |  
 17 41.8 - 38.3|24130|17 41.6|-38 6|7.2| | | | |  
 17 42.1 - 38.3|24149|17 42.1|-38 5|7.8| | | | |  
 17 44.4 - 37.9|24215|17 44.4|-37 47|8| | | | |  
 17 5.3 - 39.4|23259|17 5.3|-9 23|5.9| | | | |  
 17 8.8 - 38.5|23336|17 8.8|-38 28|6.4| | | | |  
 17 22.5 - 38.4|23657|17 22.5|-38 26|6.9| | | | |  
 17 24.8 - 38.6| | | | | | | | | | |  
 17 28.3 - 38.8|23809|17 28.2|-38 44|7.2| | | | |  
 17 29.4 - 38.6|23841|17 29.6|-38 34|4.7| | | | |  
 17 37.0 - 38.9|24011|17 37.2|- 8 46|7| | | | |  
 17 1.5 - 38.3| | | | | | | | | | |  
 17 24.3 - 39.0|23710^[[23712]]|17 24.4|-38 56|9^[[7.5]]| | | | |  
 17 32.3 - 39.4|23889|17 32.5|-39 17|7.8| | | | |  
 17 33.0 - 39.3|23907|17 33.2|-39 9|7.5| | | | |  
 17 35.6 - 38.9|23966|17 35.5|-38 59|2.6| | | | |  
 17 39.6 - 39.4|24075|17 39.5|-39 14|7.5| | | | |  
 17 42.8 - 39.2| | | | | | | | | | |  
 17 5.2 - 39.4|23257|17 5.3|-39 23|5.9| | | | |  
 17 40.2 - 39.6|24100|17 40.3|-39 23|7.8| | | | |  
 17 14.3 - 40.4|23469|17 14.6 - 40 16| 8| | | | |  
 17 27.9 - 40.2| | | | | | | | | | |  
 17 30.0 - 40.4| | | | | | | | | | |  
 17 32.8 - 40.4|23893|17 32.8|-40 13|8.2| | | | |  
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[[table]]

V|H|C|Rem. No.|K line|Int|

11.1|18.6|A| |K=H|1|

11.4|19.0|E| |K=H|1|

11.4|19.3|A| |K=H|1|

12.0|21.1|F|1133|K=H|1|

11.5|21.5|G| |K=H|4|

11.2|21.9|A| |N|2|

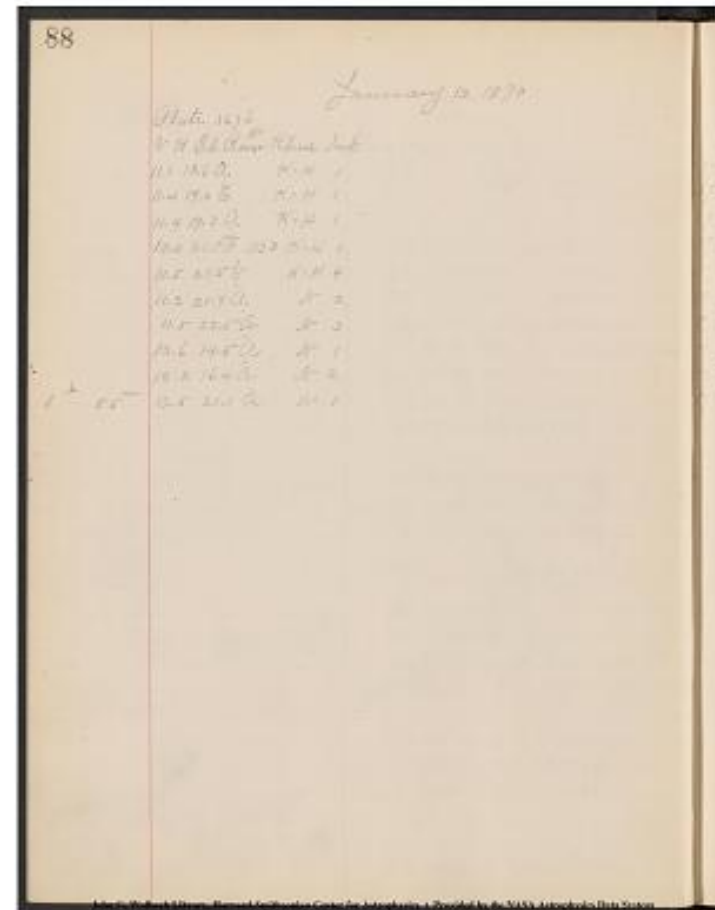
11.5|22.5|A| |N|3|

12.6|14.5|A| |N|1|

12.2|16.4|A| |N|2|

[[0^[[h]]55^[[m]]]]12.5|21.1|A| |N|1|

[[/table]]



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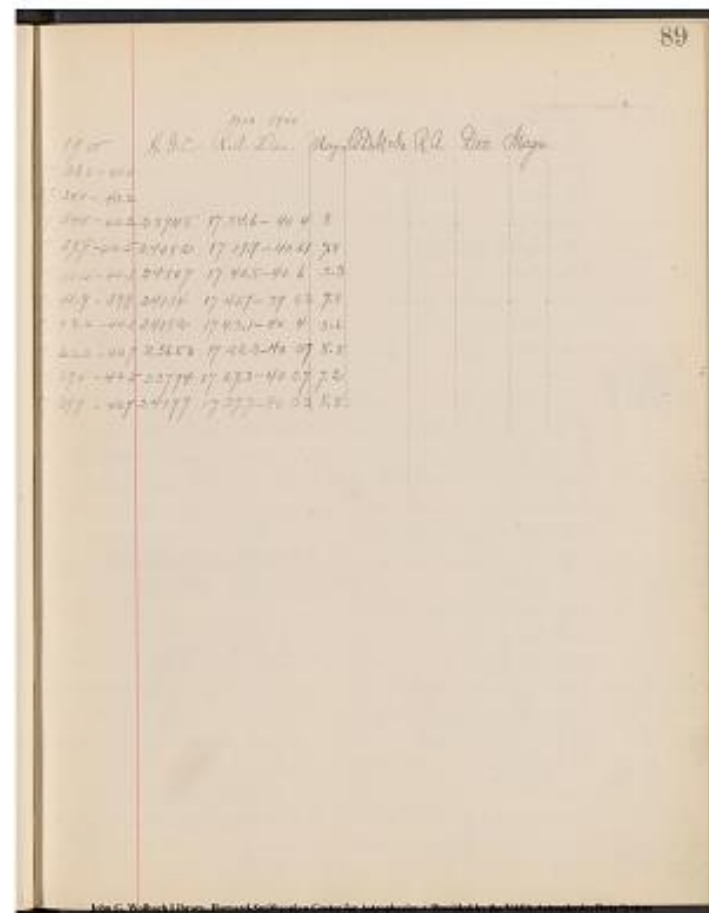
[[preprinted]]89[[/preprinted]]

[[table]]

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No.|R.A.|Dec.|Magn|

17 33.0-40.0																			
17 34.0-40.2																			
17 34.8-40.2	23945	17 34.6	-40 4	8															
17 39.9-40.5	24082	17 39.9	-40 21	7.8															
17 40.4-40.1	24107	17 40.5	-40 6	3.3															
17 41.9-39.9	24134	17 41.7	-39 52	7.8															
17 43.2-40.1	24182	17 43.1	-40 4	5.6															
17 22.0-40.7	23650	17 22.3	-40 39	8.5															
17 27.0-40.5	23794	17 27.3	-40 27	7.2															
17 39.7-40.7	24077	17 39.7	-30 33	8.5															

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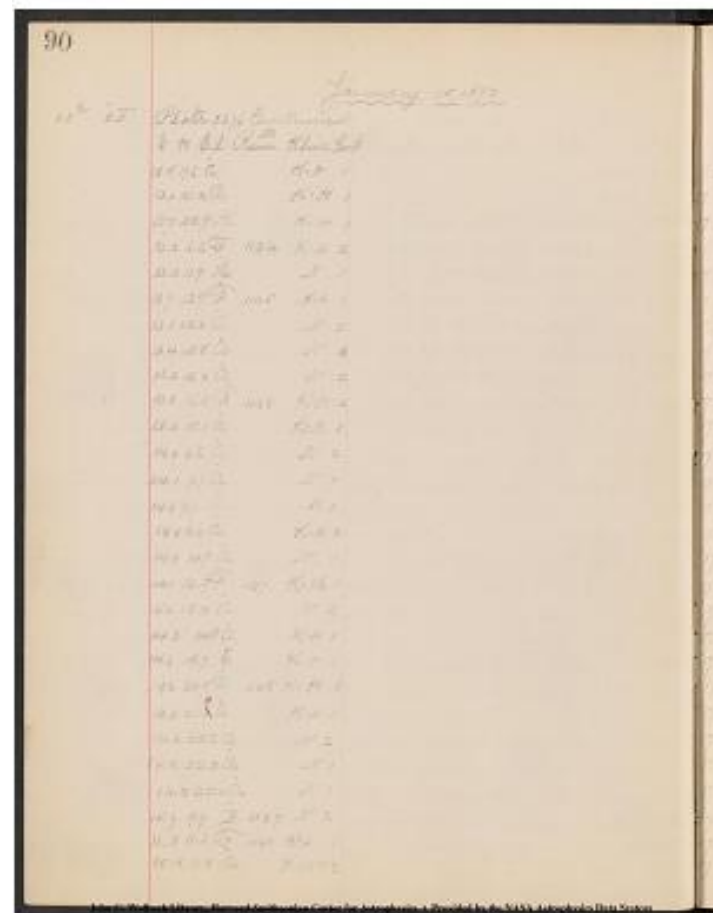


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 23^[[h]] 20^[[m]] Plate 3676 Continued  
 [[table]]  

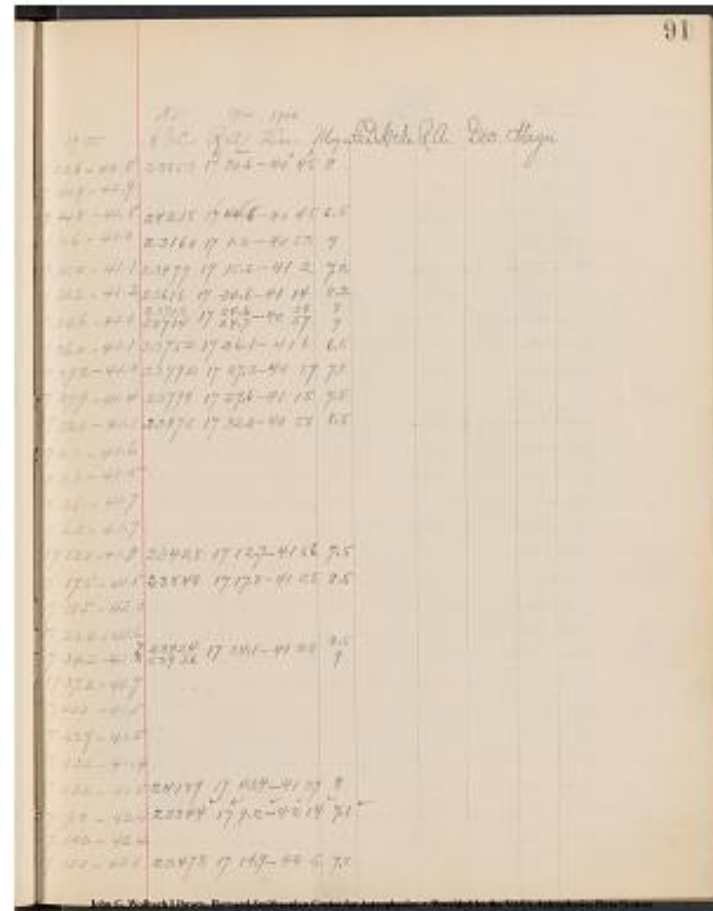
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13.0	21.2	A		K=H 1v	
12.9	22.9	K		K=H 1	
13.3	6.6	F	1134	K=H 2	
13.3	11.9	H		N 1	
13.7	13.9	F	1135	K=H 1	
13.1	15.3	A		N 2	
13.4	15.8	A		N 3	
13.2	16.3	A		N 2	
13.8	16.5	F	1136	K=H 2	
13.3	18.1	A		K=H 1	
14.4	6.6	A		N 2	
14.1	7.7	A		N 1	
14.6	7.7	A		N 1	
14.5	8.8	A		K=H 2	
14.9	10.9	A		N 1	
14.1	12.9	F	1137	K=H 1	
15.0	13.2	A		N 2	
14.3	14.8	A		K=H 1	
14.6	18.9	E		K=H 1	
14.6	20.0	F	1138	K=H 1	
14.3	21.1	<del>[[strikethrough]]</del>	<del>1</del> <del>[[/strikethrough]]</del>	<del>9</del> A	K=H 1
14.3	22.2	A		N 2	
14.2	22.3	A		N 1	
14.3	22.4	A		N 1	
15.7	9.7	B	1139	N 2	
15.8	10.2	F	1140	K=H 1	
15.4	11.8	A		K=0.5H 2	

 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]91[[/preprinted]]  
 [[table]]  
 1900|A.G.C No.|R.A 1900|DEC.  
 1900|Magn.|C.D.M.No.|R.A|Dec.|Magn.|  
 -----  
 17 30.6-40.8|23853|17^[[h]]|30.6^[[m]]-40^[[symbol-degree symbol]] 45'|8|  
 | | |  
 17 40.9-40.9| | | | | | | | | | |  
 17 44.8-40.8|24218|17 44.6|-40 45|6.5| | | | |  
 17 0.6-41.0|23160|17 1.2|-40 53|7| | | | | |  
 17 15.0-41.1|23479|17 15.2|-41 2|7.2| | | | | |  
 17 20.2-41.2|23616|17 20.6|-41 14|8.2| | | | | |  
 17 24.6-41.0|23714^|[[23713]]|17 24.7^|[[24.6]]|-40 57^|[[58]]|7^|[[8]]| | | |  
 | | |  
 17 26.0-41.1|23752|17 26.1|-41 6|6.5| | | | | |  
 17 27.2-41.0|23792|17 27.3|-40 57|7.8| | | | | |  
 17 27.9-41.4|23798|17 27.6|-41 15|7.8| | | | | |  
 17 32.1-41.1|23875|17 32.0|-40 58|8.5| | | | | |  
 17 0.1-41.6| | | | | | | | | | |  
 17 3.1-41.5| | | | | | | | | | |  
 17 3.6-41.7| | | | | | | | | | |  
 17 6.3-41.7| | | | | | | | | | |  
 17 12.2-41.9|23428|17 12.7|-41 56|7.5| | | | | |  
 17 17.5-41.5|23548|17 17.8|-41 25|85| | | | | |  
 17 18.5-42.0| | | | | | | | | | |  
 17 23.0-41.6| | | | | | | | | | |  
 17 34.2-41.1|~~[[strikethrough]]~~8~~[[strikethrough]]~~7|23924 23926|17 34.1|-41  
 38|8.5 9| | | | | | | | | | |  
 17 37.2-41.7| | | | | | | | | | |  
 17 42.0-41.5| | | | | | | | | | |  
 17 42.7-41.5| | | | | | | | | | |  
 17 43.0-41.4| | | | | | | | | | |  
 17 43.2-41.5|24189|17 43.4|-41 37|8| | | | | |  
 17 9.0-42.4|23344|17 9.2|-42 14|7.1| | | | | |  
 17 10.0-42.4| | | | | | | | | | |  
 17 15.0-42.1|23473|17 14.9|-42 5.7|8| | | | | |  
 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]92[[/preprinted]]

January 15, 1893

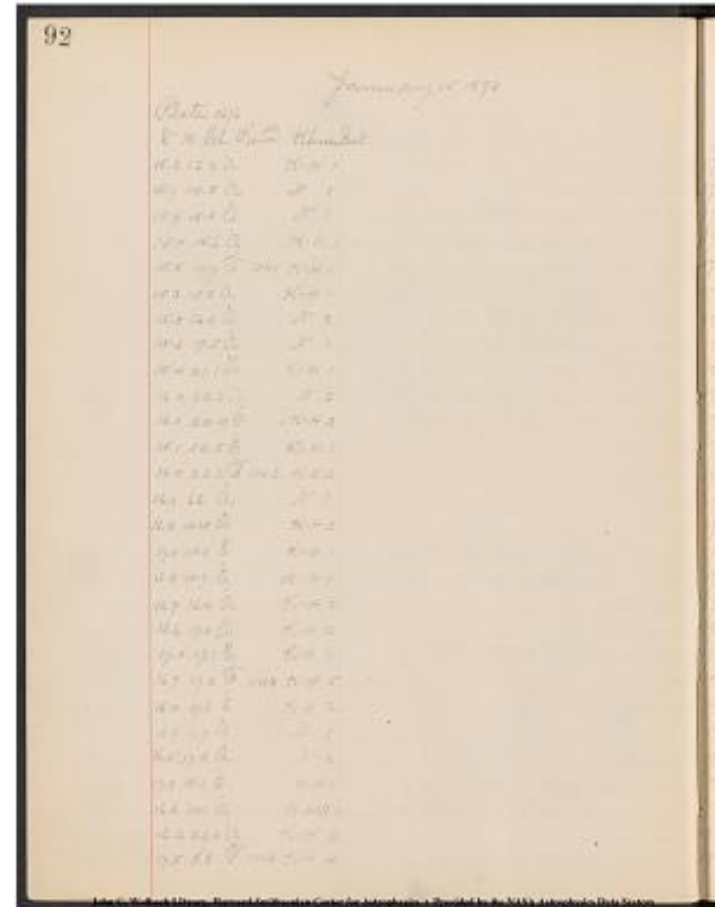
Plate 3676

[[table]]

V|H|Cl|Rem. No.|K line|Int|

15.2	12.2	A		K=H 1	
15.7	14.8	A		N 1	
15.9	15.0	A		N 1	
15.4	15.6	A		K=H 1	
15.8	15.7	F	1141	K=H 1	
15.3	15.8	A		K=H 1	
15.8	16.0	A		N 2	
15.3	19.5	A		N 1	
15.4	21.1	A		K=H 1	
16.0	22.3	A		N 2	
16.0	22.4	G		K=H 2	
15.1	22.5	E		K=H 1	
15.4	23.2	F	1142	K=H 2	
16.7	6.6	A		N 1	
16.8	10.4	A		K=H 2	
17.0	10.5	E		K=H 1	
16.8	10.7	E		K=H 1	
16.9	16.4	A		K=H 2	
16.6	147.0	A		K=H 2	
17.0	17.1	E		K=H 1	
16.9	17.3	F	1143	K=H 5	
16.2	17.6	E		K=H 2	
16.7	17.7	A		N 3	
16.5	17.8	A		N 2	
17.0	18.1	E		K=H 1	
16.6	20.1	A		K=0.3H 3	
16.2	24.3	A		K=H 2	
17.5	8.3	F	1144	K=H 4	

[[/table]]

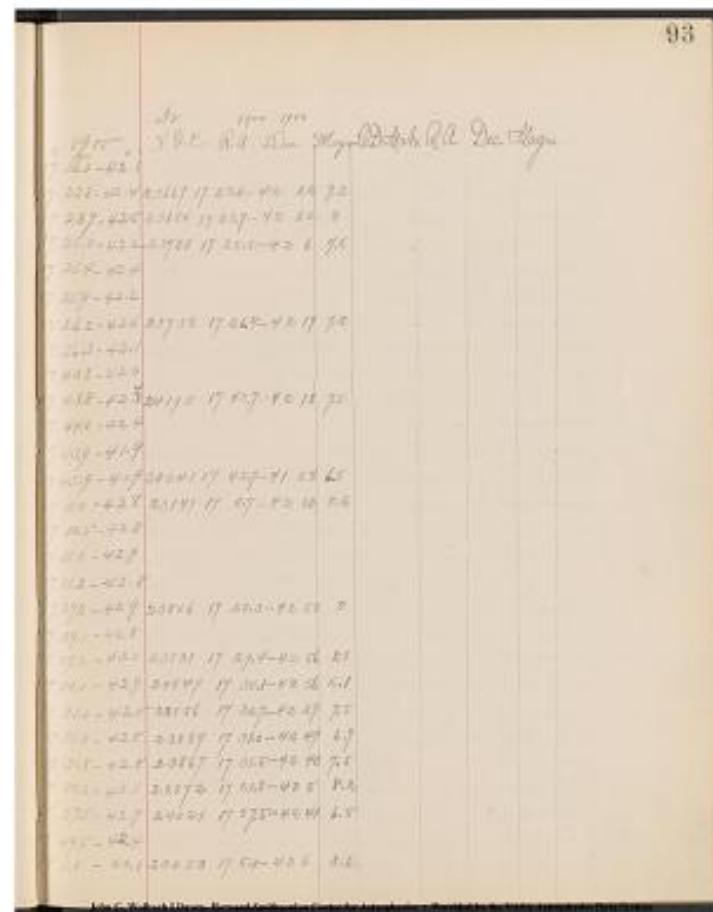


Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
Transcribed and Reviewed by Digital Volunteers  
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[[table]]

[[table]]	1900	A.G.C. No.	R.A.	1900	Dec.	1900	Magn	C.D.M.
	No.	R.A.	Dec.	Magn				

No.	R.A.	Dec.	Magn
-----	------	------	------

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Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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[[preprinted]]94[[/preprinted]]

January 15, 1893

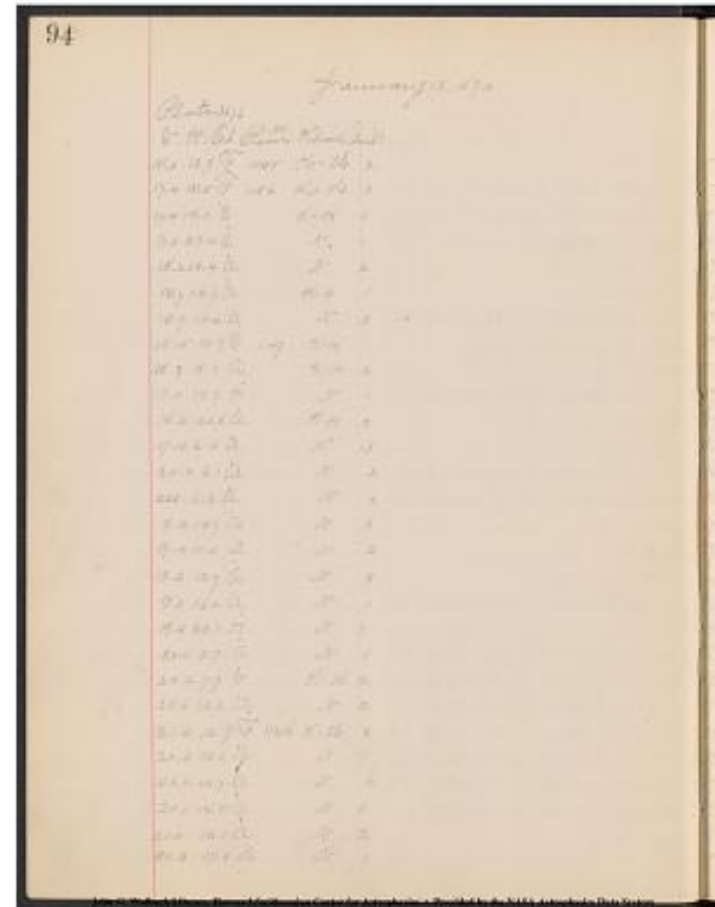
Plate 3676

[[table]]

V|H|C|Rem. No.|K line|Int|

18.0	13.9	F	1145	K=H 2
17.4	15.0	F	1146	K=H 2
17.4	18.0	E		K=H 1
17.3	23.4	A		N 1
18.2	10.4	A		N 2
18.7	12.7	A		K=H 1
18.9	14.4	A		N 3
18.5	14.9	F	1147	K=H 1
18.7	18.1	A		K=H 2
19.0	19.9	H		N 1
18.3	20.8	A		K=H 2
19.4	6.0	A		N 3
20.0	6.1	A		N 2
20.0	6.6	A		N 2
19.2	10.7	A		N 3
19.4	11.0	A		N 2
19.2	12.7	A		N 3
19.3	16.0	A		N 1
19.4	20.1	H		N 1
20.1	5.9	A		N 1
20.2	7.9	G		K=H 2
20.6	10.2	A		N 2
21.0	12.9	F	1148	K=H 2
20.3	13.5	A		N 1
20.4	15.7	A		N 2
20.1	15.8	A		N 1
21.0	16.1	A		N 2
20.3	17.0	A		N 1

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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Plate 3676

[[table]]

|V|H|Cl|Rem. No.|K line|Int|

20.4|18.4|H| |N|1|  
20.7|18.9|A| |N|1|  
20.5|19.7|A| |N|1|  
20.2|24.2|J| |K=H|3|

21.9|1.5|A| |N|2|  
21.5|13.2|A| |N|1|  
22.0|15.7|A| |N|2|  
21.4|17.2|F|1149|K=H|1|  
21.6|19.9|A| |N|1|  
22.3|6.0|A| |N|3|  
22.3|11.1|A| |N|2|  
22.2|12.2|H| |N|1|  
22.6|13.7|A| |N|3|  
23.0|15.2|G| |K=H|2|  
23.0|18.2|A| |N|1|  
23.0|19.4|A| |N|2|

2|~~3~~|2.3|20.8|A| |K=H|1|

22.5|22.2|| |K=H|2|

23.6|8.2|A| |N|1|  
23.4|12.9|A| |N|3|  
23.9|16.6|A| |N|3|  
23.8|18.9|A| |N|2|  
23.3|19.7|A| |N|2|

[[/table]]

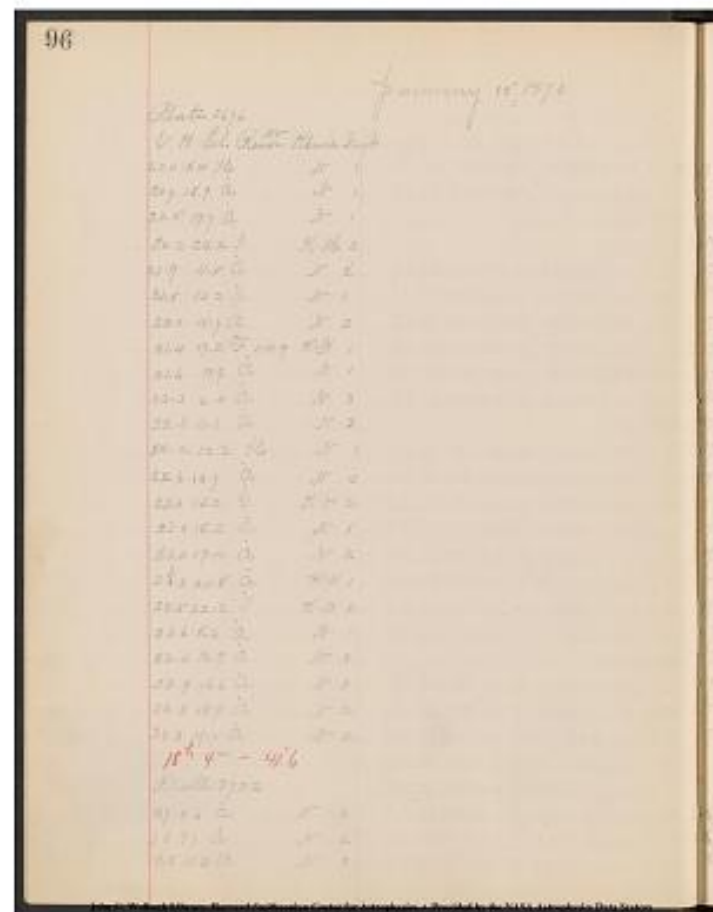
18^4[[h]]4^4[[m]]-41[[symbol-degree symbol]].6

Plate 3932

[[table]]

| | | | | | |  
4.7|8.6|A| |N|2|  
3.8|9.7|A| |N|2|  
4.5|11.3|A| |N|3|

[[/table]]



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[[table]]

1900|No. A.G.C|1900 R.A.|1900 Dec.|Magn|C.D.M.

No.|R.A.|Dec.|Magn|

17 33.2-44.8|23906|17<sup>h</sup>|33.3<sup>m</sup>-44<sup>s</sup>|[symbol-degree  
symbol]]37|7.8|

17 35.0-44.9|23942|17 34.6|-44 44|8| | | |

17 37.0-44.8|

17 49.6-44.3|24321|17 49.5|-44 19|5.4| | | |

17 12.2-45.4|23416|17 12.1|-45 32|7.2| | | |

17 18.2-45.3|23562|17 18.3|-45 11|8.5| | | |

17 26.0-45.5|23747|17 25.8|-45 26|7.5| | | |

17 29.9-45.3|23844|17 29.9|-45 5|9| | | |

17 37.8-45.4|24036|17 37.9|-45 36|8| | | |

16 57.3-45.3|23086|16 57.8|-45 21|6.7| | | |

17 12.0-45.6|23406|17 11.7|-45 24|9| | | |

17 15.6-45.6|23482|17 15.4|-45 31|7.5| | | |

17 19.1-45.7|23588|17 19.3|-45 45|7.8| | | |

17 24.3-46.0|23706|17 24.4|-45 59|6.5| | | |

17 32.3-46.0|

17 36.3-46.1|23980|17 36.3|-45 55|7.2| | | |

17 40.2-48|~~6~~|~~5.6~~|24093|17 40.2|-45  
28|7.5|

17 44.2-45.6|24207|17 44.3|-45 35|6.6| | | |

17 3.8-46.3|

17 17.1-46.3|23533|17 17.4|-46 7|7.2| | | |

17 24.2-46.4|

17 35.0-46.5|

17 37.0-46.3|

16|~~6~~|~~7~~|48.3-36.5|24301|17 48.4|-36

27|6.8|

16|~~6~~|~~7~~|51.0-36.0|24363|17 51.2|-35 59|7|

16|~~6~~|~~7~~|55.0-36.5|24469|17 55.1|-36

22|6.5|

[[/table]]

97

1900 No. A.G.C. 1900 R.A. 1900 Dec. Magn. C.D.M.

17 33.2-44.8 23906 17<sup>h</sup> 33.3<sup>m</sup>-44<sup>s</sup> [symbol-degree symbol] 37 7.8

17 35.0-44.9 23942 17 34.6 -44 44 8 | | |

17 37.0-44.8

17 49.6-44.3 24321 17 49.5 -44 19 5.4 | | |

17 12.2-45.4 23416 17 12.1 -45 32 7.2 | | |

17 18.2-45.3 23562 17 18.3 -45 11 8.5 | | |

17 26.0-45.5 23747 17 25.8 -45 26 7.5 | | |

17 29.9-45.3 23844 17 29.9 -45 5 9 | | |

17 37.8-45.4 24036 17 37.9 -45 36 8 | | |

16 57.3-45.3 23086 16 57.8 -45 21 6.7 | | |

17 12.0-45.6 23406 17 11.7 -45 24 9 | | |

17 15.6-45.6 23482 17 15.4 -45 31 7.5 | | |

17 19.1-45.7 23588 17 19.3 -45 45 7.8 | | |

17 24.3-46.0 23706 17 24.4 -45 59 6.5 | | |

17 32.3-46.0

17 36.3-46.1 23980 17 36.3 -45 55 7.2 | | |

17 40.2-48 |~~6~~|~~5.6~~|24093|17 40.2|-45  
28|7.5|

17 44.2-45.6 24207 17 44.3 -45 35 6.6 | | |

17 3.8-46.3

17 17.1-46.3 23533 17 17.4 -46 7 7.2 | | |

17 24.2-46.4

17 35.0-46.5

17 37.0-46.3

16|~~6~~|~~7~~|48.3-36.5|24301|17 48.4|-36  
27|6.8|

16|~~6~~|~~7~~|51.0-36.0|24363|17 51.2|-35 59|7|

16|~~6~~|~~7~~|55.0-36.5|24469|17 55.1|-36  
22|6.5|

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January 15, 1893

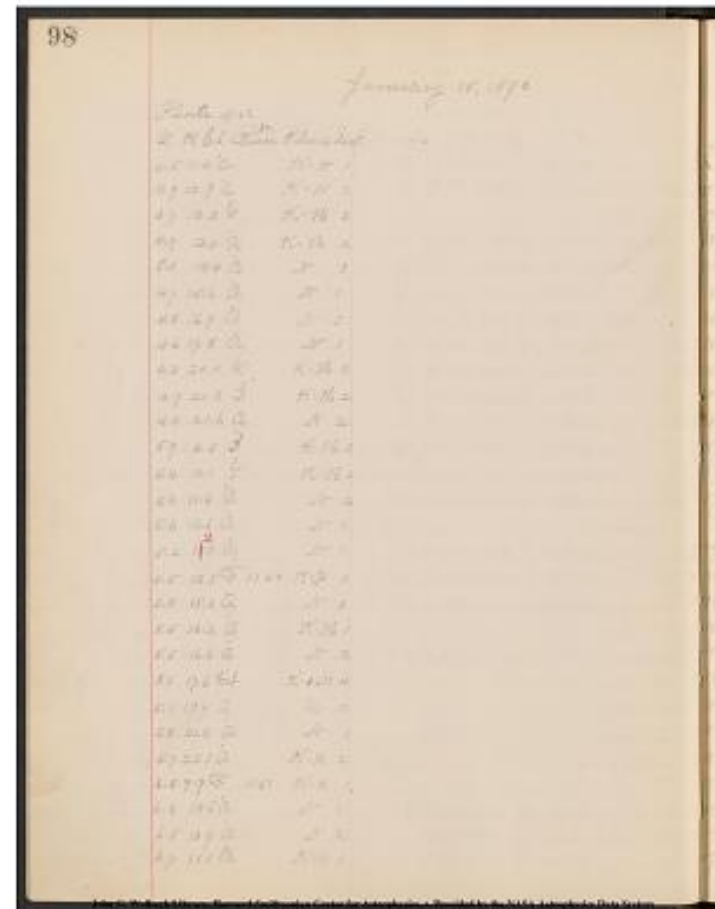
Plate 3932

[[table]]

|V|H|C|Rem. No.|K line|Int|

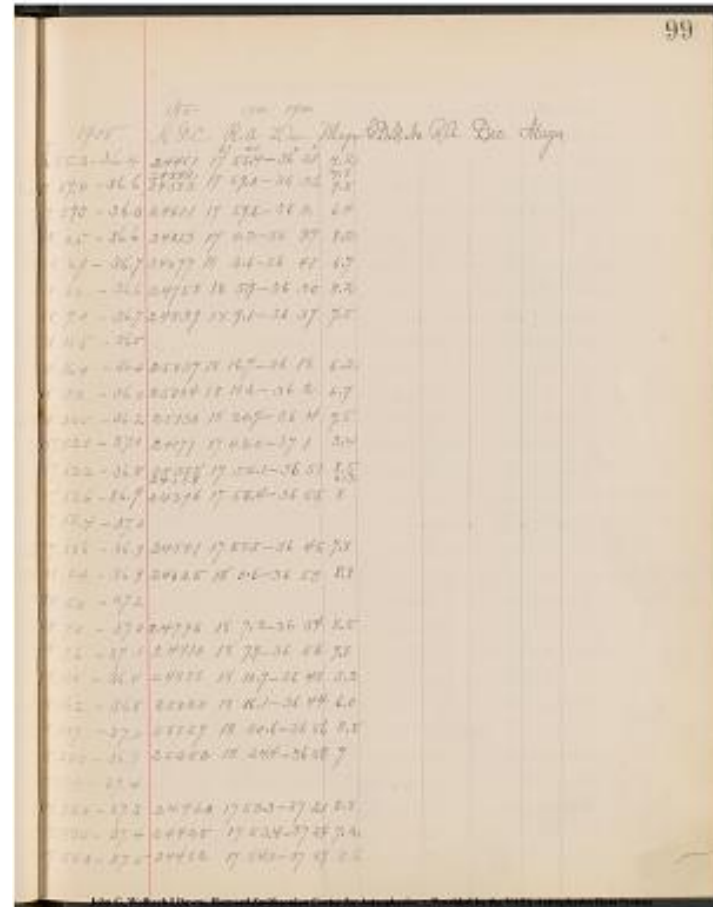
4.5	11.4	A	K=H 1
4.9	12.9	A	K=H 2
3.7	12.2	G	K=H 2
4.9	13.4	A	K=H 2
5.0	14.4	A	N 3
4.7	15.6	A	N 1
4.8	16.9	A	N 3
4.6	17.8	A	N 1
4.3	20.0	K	K=H 3
3.9	20.8	J	K=H 2
4.0	21.6	A	N 2
5.9	6.5	J	K=H 2
5.4	10.1	G	K=H 2
5.6	10.6	A	N 2
5.6	12.6	A	N 1
5.2	1 <del>[[strikethrough]]</del> 3 <del>[[/strikethrough]]</del>	2.8	A  N 1
5.5	13.5	F	1150 K=H 1
5.8	15.3	A	N 2
5.5	16.2	A	K=H 1
5.5	16.6	A	N 2
5.1	17.6	[?]	K=1.2 H 4
5.1	19.7	A	N 3
5.8	21.5	A	N 1
5.7	23.1	A	K=H 2
6.5	9.9	F	1151 K=H 1
6.3	10.6	A	N 1
6.5	10.7	A	N 2
6.7	11.1	A	K=H 1

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.	R.A.	Dec.	Magn
 1|~~[[strikethrough]]6[[/strikethrough]]~~|~~[[strikethrough]]7~~ 55.3-36.4|24481|17<sup>^</sup>[[h]] 55.4<sup>^</sup>[[m]]-  
 36<sup>^</sup>[[symbol-degree symbol]] 21<sup>^</sup>7.2| | | | |  
 17 59.0-36.6|24583<sup>^</sup>[[24582]]|17 59.0|-36 35|9.5<sup>^</sup>[[7.8]]| | | | |  
 17 59.5-36.0|24601|17 59.6|-36 2|6.4| | | | |  
 18 0.5-36.6|24613|17 0.3|-36 37|8.2| | | | |  
 18 2.9-36.7|24677|18 2.6|-36 41|6.7| | | | |  
 18 6.0-36.6|24758|18 5.9|-36 30|8.2| | | | |  
 18 9.0-36.7|24839|18 9.1|-36 37|7.5| | | | |  
 18 11.5-36.0| | | | | | | | |  
 18 16.4-36.4|25039|18 16.7|-36 18|6.2| | | | |  
 18 18.3-36.0|25084|18 18.6|-36 2|6.7| | | | |  
 18 20.5-36.2|25130|18 20.7|-36 4|7.5| | | | |  
 17 43.0-37.0|24179|17 43.0|-37 1|3.4| | | | |  
 17 52.2-36.8|24388<sup>^</sup>[[24385]]|17 52.1|-36 51|6.3<sup>^</sup>[[8.5]]| | | | |  
 17 52.6-36.9|24396|17 52.4|-36 55|8| | | | |  
 17 58.4-37.0| | | | | | | | |  
 17 58.6-36.9|24581|17 58.8|-36 45|7.8| | | | |  
 18 0.4-36.9|24625|18 0.6|-36 53|8.8| | | | |  
 18 5.0-37.2| | | | | | | | |  
 18 7.0-37.0|24796|18 7.3|-36 54|8.5| | | | |  
 18 7.6-37.1|24810|18 7.9|-36 56|7.8| | | | |  
 18 11.0-36.8|24888|18 10.9|-36 48|3.3| | | | |  
 18 16.2-36.8|25020|18 16.1|-36 44|6.0| | | | |  
 18 20.7-37.0|25729|18 20.6|-36 56|8.5| | | | |  
 18 24.5-36.9|25253|18 24.4|-36 52|7| | | | |  
 17 51.4-37.4| | | | | | | | |  
 17 53.0-37.3|24420|17 53.3|-37 21|8.8| | | | |  
 17 53.4-37.4|24425|17 53.4|-37 24|7.2| | | | |  
 17 54.3-37.5|24452|17 54.3|-37 29|8.5| | | | |  
 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
 (South Draper Catalog) #62  
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[[preprinted]]100[[/preprinted]]

January 15, 1893

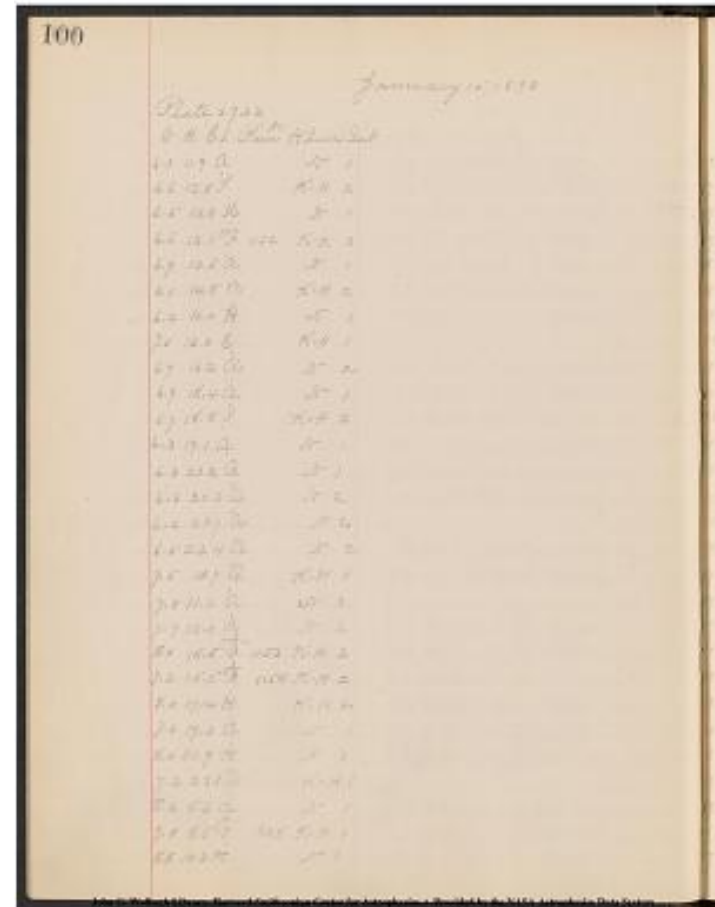
Plate 3932

[[table]]

|V|H|Cl|Rem. No.|K line|Int|

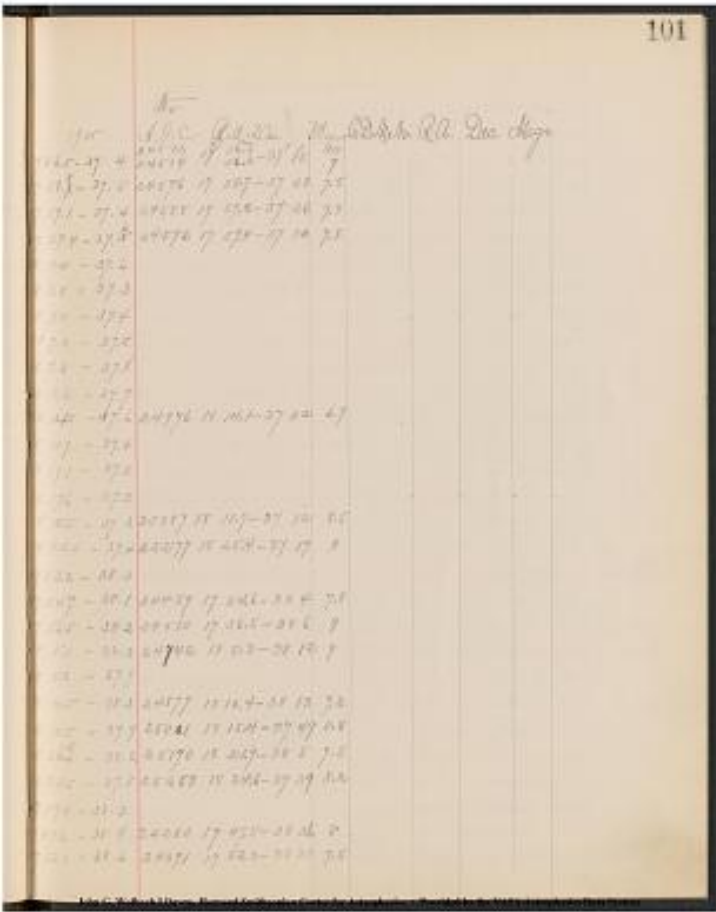
6.3	11.9	A	N 1
6.6	12.8	I	K=H 2
6.5	13.0	H	N 1
6.6	13.1	F	1152 K=H 2
6.9	13.5	A	N 1
6.1	14.8	A	K=H 2
6.2	16.0	H	N 1
7.0	16.0	E	K=H 1
6.9	16.2	A	N 2
6.9	18.4	A	N 1
6.7	18.8	I	K=H 2
6.3	19.1	A	N 1
6.3	20.2	A	N 1
6.3	20.3	A	N 2
6.2	20.7	A	N 2
6.5	23.4	A	N 2
7.5	10.7	A	K=H 1
7.8	11.2	A	N 3
7.9	12.0	A	N 2
8.0	15.5	F	1153 K=H 2
7.2	15.5	F	1154 K=H 2
8.0	17.4	H	K=H 2
7.3	19.3	A	N 1
8.0	21.9	H	N 1
7.2	23.1	A	K=H 1
8.2	5.6	A	N 1
9.0	8.5	F	1155 K=H 1
8.8	10.3	H	N 1

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
Transcribed and Reviewed by Digital Volunteers  
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[[preprinted]]101[[/preprinted]]									
[[table]]									
1900 A.G.C.No. R.A. Dec. Magn. C.D.M.No. R.A. Dec. Magn.									
----- ----- -----									
17 56.5-37.4 24514^ 24513 17^ [h] 56.6^ [56.5^ [m]]] -37^ [symbol-degree symbol] 15' 9^ [10]									
17 58. [ <del>58.7</del> ] 9 [ <del>9</del> ] 8-37.5 24576 17 58.7 -37 28 7.5									
17 59.1-37.4 24588 17 59.2 -37 26 7.8									
17 59.4-37. [ <del>59.4</del> ] 5 [ <del>5</del> ] 6 24592 17 59.4 -37 30 7.8									
18 0.4-37.6									
18 3.8-37.3									
18 7.0-37.4									
18 7.0-37.8									
18 7.3-37.8									
18 12.6-37.7									
18 14.0-37.6 24976 18 14.1 -37 32 6.9									
18 14.7-37.4									
18 17.1-37.3									
18 17.6-37.3									
18 18.5-37.3 25087 18 18.7 -37 12 8.5									
18 25.5-37.4 25277 18 25.4 -37 17 8									
17 53.2-38.0									
17 54.7-38.1 24459 17 54.6 -38 4 7.8									
17 56.5-38.2 24510 17 56.5 -38 6 9									
18 5.1-38.3 24742 18 5.3 -38 12 9									
18 5.3-37.9									
18 10.5-38.3 24877 18 10.4 -38 13 7.2									
18 15.5-37.9 25001 18 15.4 -37 49 8.8									
18 2 [ <del>18.2</del> ] 2.0 [ <del>2.0</del> ] 1.8-38.2 25170 18 21.9 -38 5 7.5									
18 24.5-37.8 25258 18 24.6 -37 39 8.2									
17 29.0-38.3									
17 47.2-38.8 24280 17 47.5 -38 36 8									
17 52.1-38.6 24391 17 52.3 -38 33 7.5									
[[/table]]									



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
Transcribed and Reviewed by Digital Volunteers  
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January 15, 1893

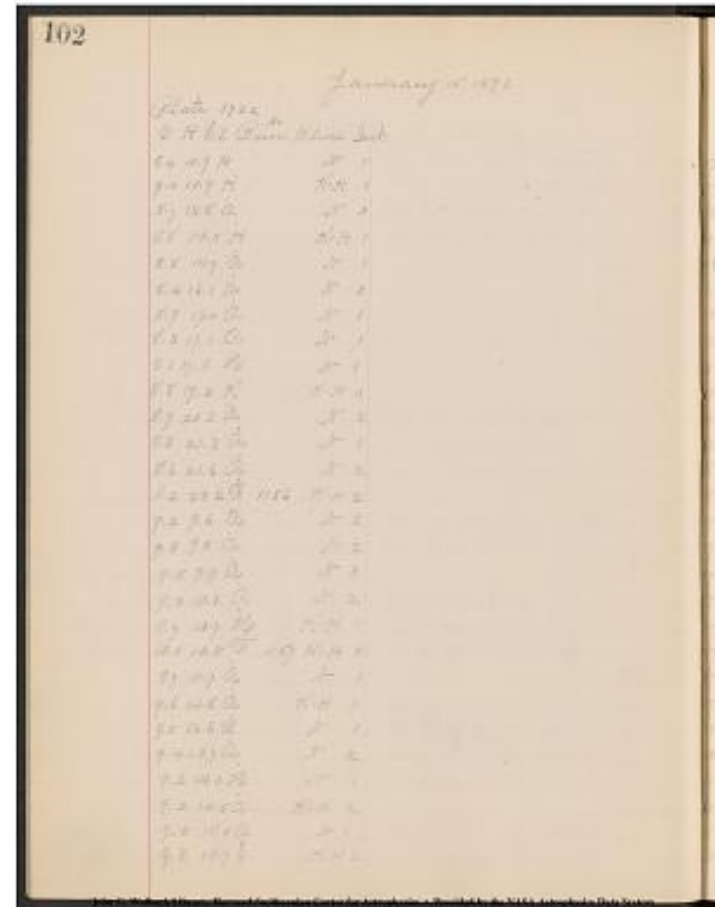
Plate 3932

[[table]]

|V|H|C|Rem. No.|K line|Int|

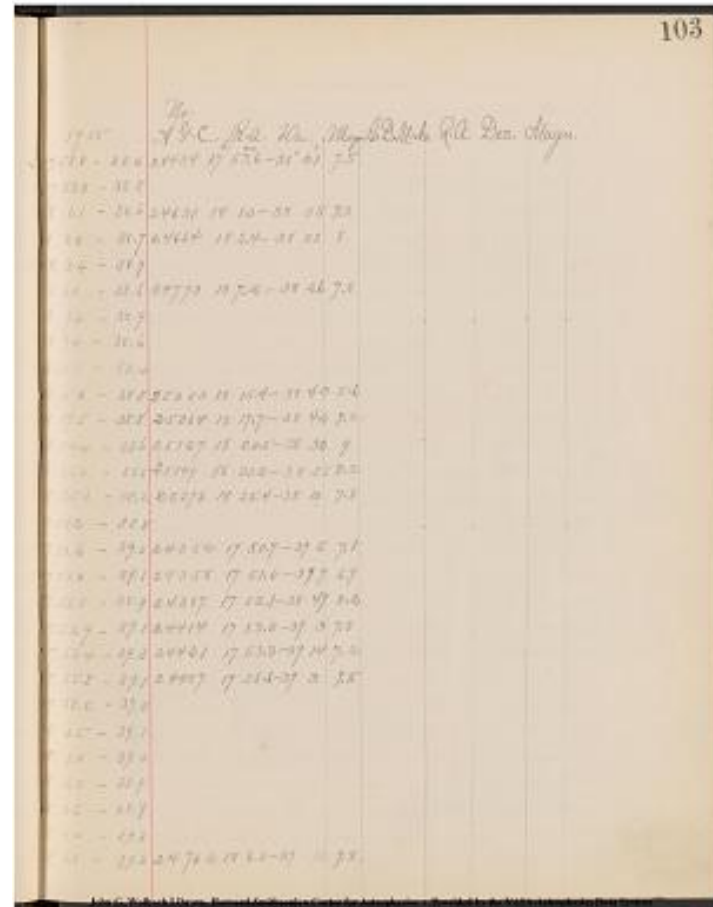
8.4	10.9	H		N 1	
9.0	10.9	H		K=H 1	
8.7	13.8	A		N 3	
8.8	14.3	H		K=H 1	
8.8	14.7	A		N 1	
8.4	16.1	A		N 3	
8.9	17.0	A		N 1	
8.3	17.1	A		N 1	
8.1	17.8	H		N 1	
8.8	19.3	K		K=H 3	
8.9	20.2	A		N 2	
8.8	21.3	A		N 1	
8.6	21.6	A		N 2	
8.2	23.2	F	1156	K=H 2	
9.2	9.6	A		N 2	
9.8	9.8	A		N 2	
9.8	9.9	A		N 3	
9.3	10.3	A		N 2	
9.7	10.7	H		K=H 1	
10.0	10.8	F	1157	K=H 2	
9.7	11.7	A		N 1	
9.6	12.5	A		K=H 1	
9.5	13.6	Q		N 1	
9.4	13.7	A		N 2	
9.2	14.2	H		N 1	
9.2	14.5	A		K=H 2	
9.8	15.0	A		N 1	
9.8	15.7	G		K=H 2	

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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 [[table]]  
1900	AG.C No.	R.A.	Dec.	Magn.	C.D.M. No.	R.A.	Dec.	Magn.
 17 53.8-38.4|24434|17<sup>h</sup>|53.6<sup>m</sup>|38<sup>s</sup>|  
 symbol|21|7.5| | | | | | | |  
 17 53.8-38.8| | | | | | | | | |  
 18 1.1-38.6|24631|18 1.0|-38 35|7.8| | | | |  
 18 2.8-38.7|24664|18 2.4|-38 38|8| | | | |  
 18 3.4-38.7| | | | | | | | | |  
 18 68-38.6|24793|18 7.2|-38 26|7.8| | | | |  
 18 9.4-38.9| | | | | | | | | |  
 18 9.4-38.6| | | | | | | | | |  
 18 11.1-38.4| | | | | | | | | |  
 18 15.3-38.8|25003|18 15.4|-38 43|5.6| | | | |  
 18 17.5-38.8|25064|18 17.7|-38 42|9.2| | | | |  
 18 20.4-38.6|25127|18 20.5|-38 30|9| | | | |  
 18 21.0-38.5|25149|18 21.2|-38 25|8.2| | | | |  
 18 25.3-38.2|25276|18 25.4|-38 10|7.8| | | | |  
 17 50.2-38.8| | | | | | | | | |  
 17 50.6-39.0|24352|17 50.7|-39 51|7.1| | | | |  
 17 51.0-39.1|24358|17 51.0|-39 7|6.9| | | | |  
 17 52.1-38.9|24387|17 52.1|-38 49|8.2| | | | |  
 17 52.9-39.1|24414|17 53.0|-39 3|7.8| | | | |  
 17 53.4-39.3|24421|17 53.3|-39 14|7.2| | | | |  
 17 55.8-39.1|24487|17 55.6|-39 3|9.5| | | | |  
 17 58.0-39.0| | | | | | | | | |  
 18 0.5-39.1| | | | | | | | | |  
 18 1.0-39.0| | | | | | | | | |  
 18 2.0-38.9| | | | | | | | | |  
 18 2.6-38.9| | | | | | | | | |  
 18 4.4-39.3| | | | | | | | | |  
 18 6.0-39.3|24762|18 6.0|-39 11|7.8| | | | |  
 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
 (South Draper Catalog) #62  
 Transcribed and Reviewed by Digital Volunteers  
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[[preprinted]]104[[/preprinted]]

January 15, 1893

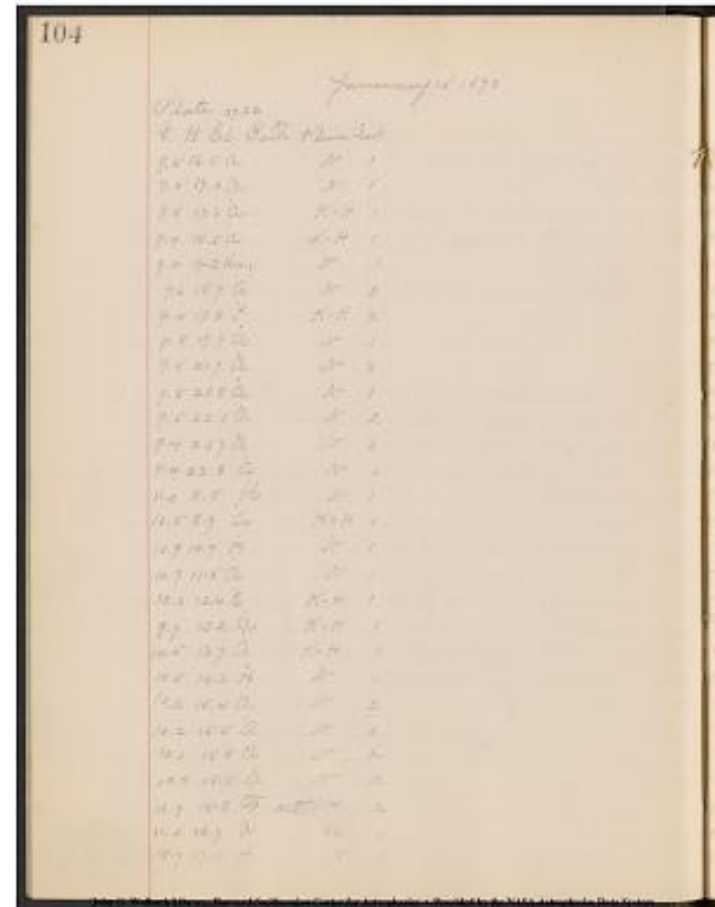
Plate 3932

[[table]]

|V|H|Cl|Rem. No.|K line|Int|

9.5	16.5	A		N	1
9.5	17.0	A		N	1
9.8	17.6	A		K=H	1
9.4	18.5	A		K=H	1
9.2	17.2	Ma?		N	1
9.6	18.9	A		N	3
9.4	19.8	I		K=H	2
9.8	19.9	A		N	1
9.8	21.7	A		N	3
9.5	21.8	A		N	1
9.5	22.1	A		N	2
9.4	23.7	A		N	3
9.4	23.8	A		N	1
11.0	8.5	A		K=H	1
10.9	10.9	H		N	1
10.9	11.5	A		N	1
10.3	12.4	E		K=H	1
9.7	13.2	A		K=H	1
10.5	13.7	A		K=H	1
10.5	14.2	H		N	1
10.2	15.4	A		N	2
10.2	15.5	A		N	3
10.1	15.8	A		N	2
10.8	15.5	A		N	2
10.9	15.8	F	1158	K=H	2
11.0	16.7	A		N	1
10.7	17.5	H		N	1

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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[[table]]

Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
Transcribed and Reviewed by Digital Volunteers  
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[[preprinted]]106[[/preprinted]]

January 15, 1893

Plate 3932

[[table]]

|V|H|C|Rem. No.|K line|Int|

11.0|18.1|F|1159|K=H|1|

10.9|19.7|H| |K=H|1|

11.0|20.4|A| |K=H|4|

11.9|6.0|F|1160|K=H|4|

11.6|6.4|A?| |h|2|

11.8|7.0|A| |N|3|

11.4|9.5|E| |K=H|1|

11.7|10.2|A| |h|1|

11.8|11.4|E| |K=H|1|

11.8|11.7|E| |K=H|1|

11.7|13.4|H| |N|1|

11.7|13.7|A| |N|1|

11.7|13.9|A| |K=H|1|

11.9|1|~~3~~|4.8|F|1161|K=H|1|

12.0|15.0|A| |N|1|

11.9|15.1|H| |N|1|

11.4|16.1|A| |N|2|

11.7|18.6|A| |N|1|

11.2|19.6|F|1162|K=H|2|

11.4|21.5|A| |N|1|

11.3|23.1|A| |N|3|

11.6|23.4|F|1163|K=H|2|

11.4|24.2|A| |N|2|

12.6|5.8|A| |N|1|

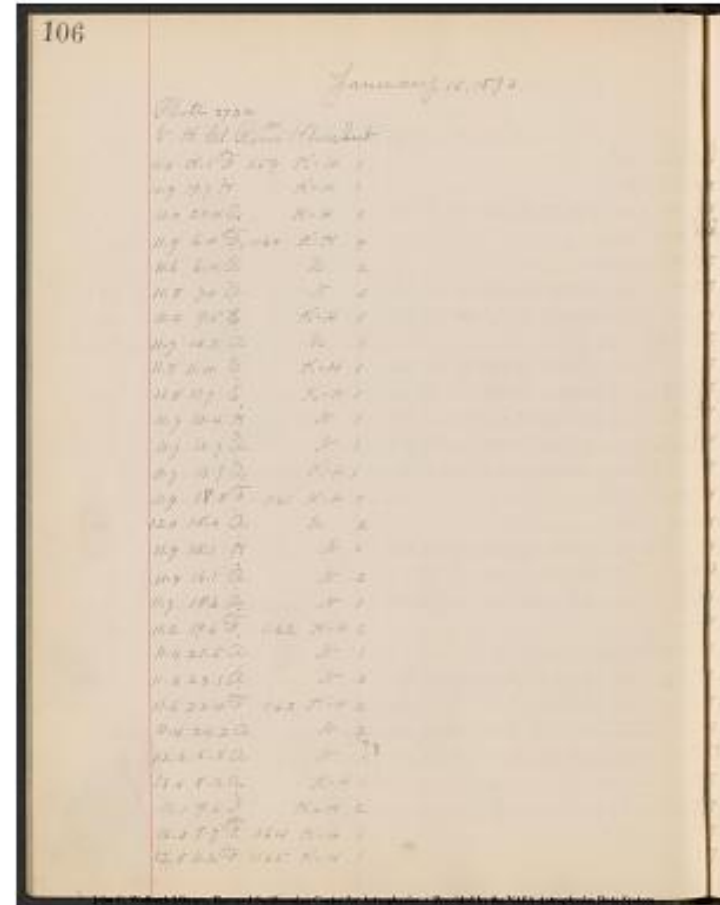
13.0|8.2|A| |K=H|1|

12.1|9.6|I| |K=H|2|

13.0|9.7|F|1164|K=H|1|

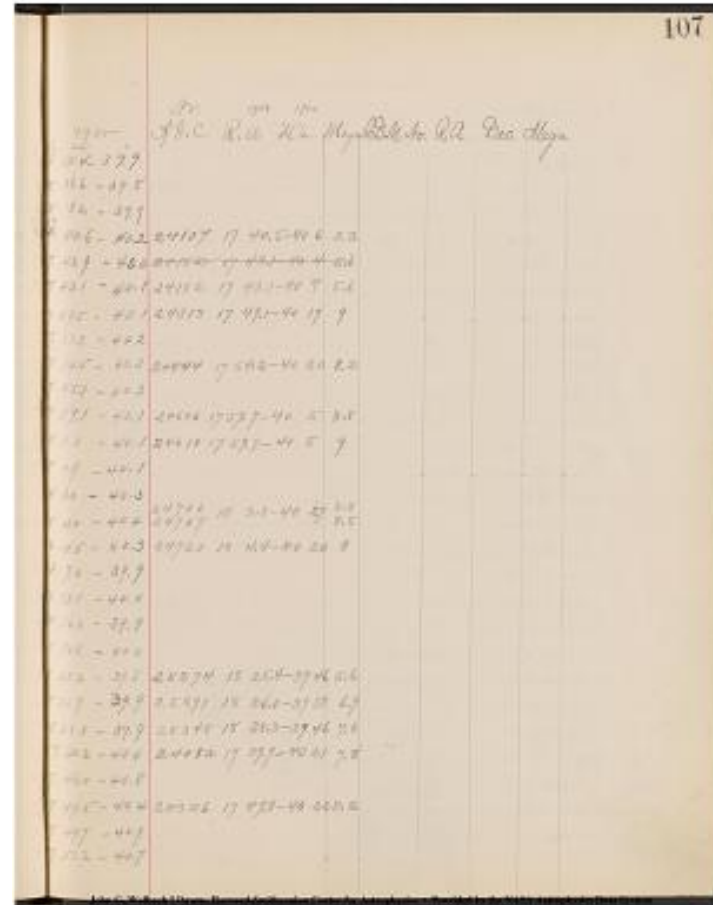
12.8|10.2|F|1165|K=H|1|

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
Transcribed and Reviewed by Digital Volunteers  
Extracted Dec-07-2023 07:45:05

[[preprinted]]107[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
 No.|R.A.|Dec.|Magn|  
 -----  
 18^[[h]] 12.4^[[m]]-39.9^[[symbol-degree symbol]] | | | | | | | |  
 18 16.6-39.8 | | | | | | | |  
 18 18.2-39.9 | | | | | | | |  
 17 40.6-40.2|24107|17 40.5|-40 6|3.3 | | | |  
 17 42.9-40.0|~~24182~~|~~24182~~|~~14~~  
 43.1|~~40~~  
 4|~~5.6~~| | | | |  
 17 43.1-40.1|24182|17 43.1|-40 4|5.6 | | | |  
 17 49.5-40.1|24313|17 49.1|-40 17|9 | | | |  
 17 51.3-40.2 | | | | | | | |  
 17 54.5-40.3|24444|17 54.2|-40 20|8.2 | | | |  
 17 55.1-40.3 | | | | | | | |  
 17 59.1-40.1|24606|17 59.7|-40 5|8.8 | | | |  
 18 0.1-40.1|24610|17 59.9|-40 5|9 | | | |  
 18 0.9-40.1 | | | | | | | |  
 18 3.0-40.3 | | | | | | | |  
 18 4.0-40.4|24707^[[24706]]|18 3.8|-40 27|8.5^[[8.8]] | | | |  
 18 4.5-40.3|24720|18 4.4|-40 20|8 | | | |  
 18 7.0-39.9 | | | | | | | |  
 18 13.1-40.0 | | | | | | | |  
 18 16.0-39.9 | | | | | | | |  
 18 20.8-40.0 | | | | | | | |  
 18 25.2-39.8|25274|18 25.4|-39 46|5.6 | | | |  
 18 25.9-39.9|25291|18 26.0|-39 58|6.9 | | | |  
 18 28.3-39.9|25348|18 28.3|-39 46|7.6 | | | |  
 17 40.2-40.4|24082|17 39.9|-40 21|7.8 | | | |  
 17 46.0-40.8 | | | | | | | |  
 17 49.5-40.4|24326|17 49.8|-40 22|8.2 | | | |  
 17 49.-40.9 | | | | | | | |  
 17 51.2-40.7 | | | | | | | |  
 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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January 15, 1892

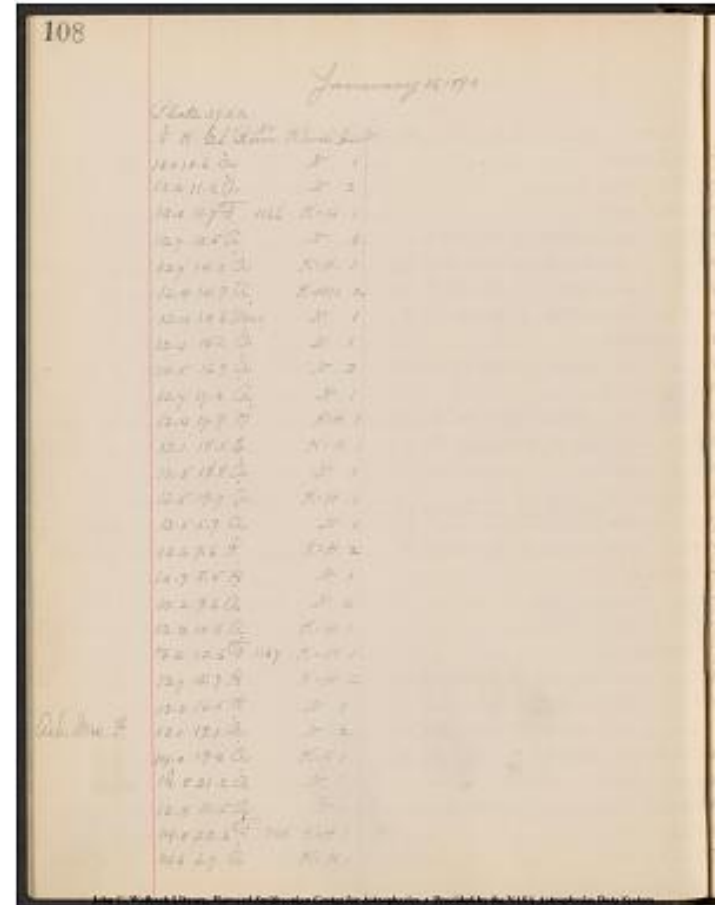
Plate 3932

[[table]]

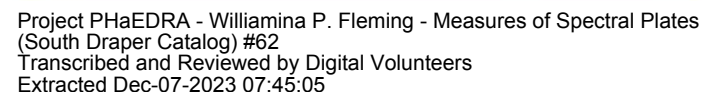
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13.0	10.6	A		N 1	
12.2	11.2	A		N 2	
13.0	11.7	F	1166	K=H 1	
12.7	12.5	A		N 3	
12.7	14.2	A		K=H 1	
12.4	14.9	A		K=0.8H 2	
12.4	13.6	Ma?		N 1	
12.4	15.2	A		N 1	
12.5	16.9	A		N 3	
12.7	17.0	A		N 1	
12.4	17.9	H		K=H 1	
12.1	18.5	E		K=H 1	
12.5	18.8	A		N 1	
12.5	19.7	A		K=H 1	
13.5	5.9	A		N 1	
13.5	5.9	A		N 1	
13.2	7.6	K		K=H 1	
13.9	8.5	H		N 1	
13.2	9.6	A		N 2	
13.3	10.8	A		K=H 1	
13.2	12.6	F	1167	K=H 1	
13.7	15.7	H		K=H 2	
13.3	16.5	H		N 1	
[[Ask Mrs. F.]] 13.1 19.1 A  N 2					
14.0	19.3	A		K=H 1	
1	<del>3.8</del>	<del>21.2</del>	A	N 2	
13.8	21.5	A		N 1	
14.0	22.6	F	1168	K=H 1	
14.6	6.9	A		K=H 1	

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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January 15, 1893

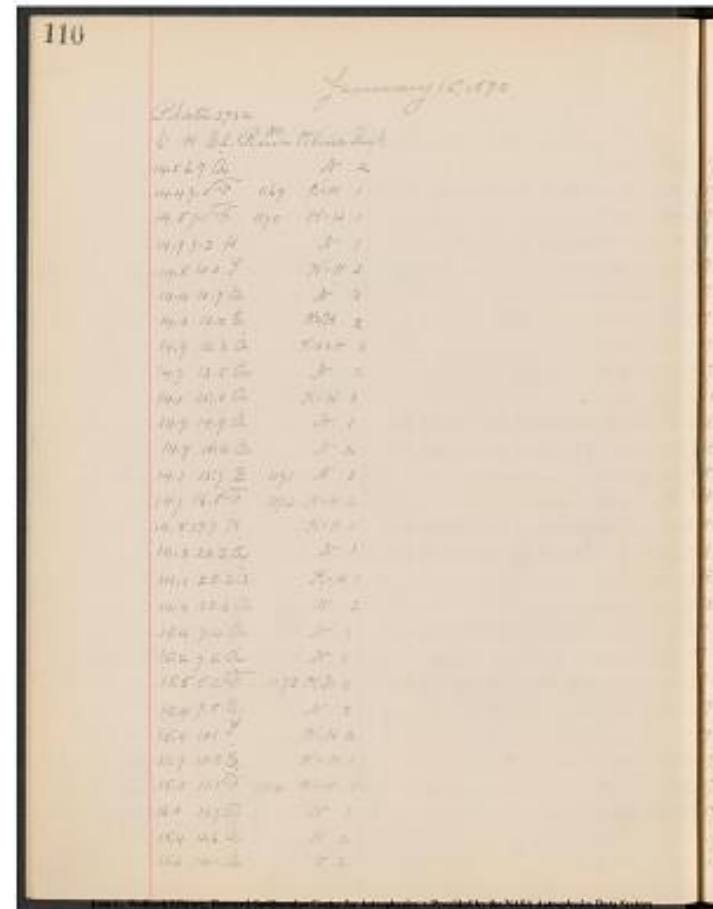
Plate 3932

[[table]]

V|H|Cl|Rem. No.|K line|Int|

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14.4	7.0	F	1169	K=H 1	
14.5	7.1	F	1170	K=H 1	
14.9	7.2	H		N 1	
14.8	10.0	I		K=H 3	
14.4	10.7	A		N 3	
14.3	13.0	E		K=H 2	
14.9	13.2	A		K=0.3H 3	
14.7	13.5	A		N 2	
14.1	15.0	A		K=H 3	
14.9	14.9	A		N 1	
14.9	15.4	A		N 2	
14.1	15.7	B	1171	N 3	
14.7	16.8	F	1172	K=H 2	
14.8	19.7	H		K=H 1	
14.3	20.2	A		N 1	
14.1	22.2	A		K=H 1	
14.4	23.6	A		N 2	
15.4	7.4	A		N 1	
15.2	7.2	A		N 1	
15.5	8.2	F	1173	K=H 3	
15.4	9.8	A		N 3	
15.4	10.1	I		K=H 2	
15.9	10.5	E		K=H 1	
15.5	11.1	F	1574	K=H 1	
16.0	11.7	A		N 1	
15.4	12.6	A		N 2	
15.3	14.1	A		N 2	

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
Transcribed and Reviewed by Digital Volunteers  
Extracted Dec-07-2023 07:45:05

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January 15, 1893

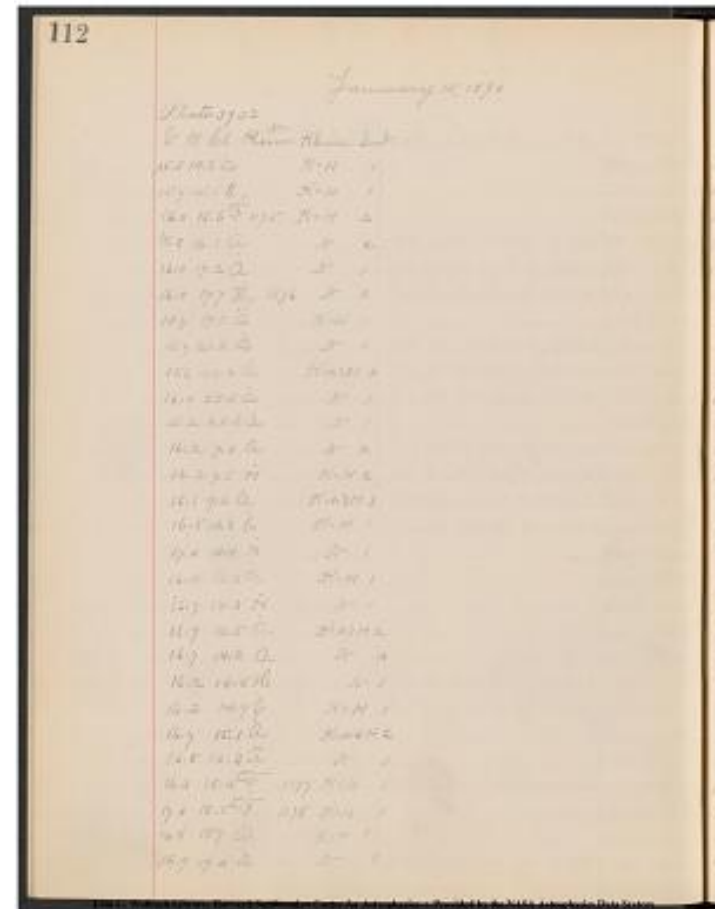
Plate 3932

[[table]]

V|H|Cl|Rem. No.|K line|Int|

15.5	14.3	A		K=H 1	
15.7	15.1	E		K=H 1	
16.0	15.6	F	1175	K=H 2	
15.3	16.1	A		N 2	
16.0	17.2	A		N 1	
16.0	17.7	B?	1176	N 3	
15.7	19.9	A		K=H 1	
15.7	21.2	A		N 1	
15.6	22.3	A		K=0.2H 3	
16.0	22.5	A		N 1	
15.2	22.6	A		N 1	
16.2	7.3	A		N 2	
16.2	7.5	H		K=H 2	
16.1	9.4	A		K=0.3H 3	
16.5	10.3	E		K=H 1	
17.0	10.4	H		N 1	
16.4	12.3	A		K=H 1	
16.7	13.3	H		N 1	
16.9	13.5	A		K=0.3H 2	
16.7	14.2	A		N 3	
16.2	14.5	H		N 1	
16.2	14.7	G		K=H 1	
16.7	15.1	A		K=0.4H 2	
16.8	16.3	A		N 1	
16.3	18.4	F	1177	K=H 1	
17.0	18.5	F	1178	K=H 1	
16.8	18.7	A		K=H 1	
16.9	19.0	A		N 1	

[[/table]]

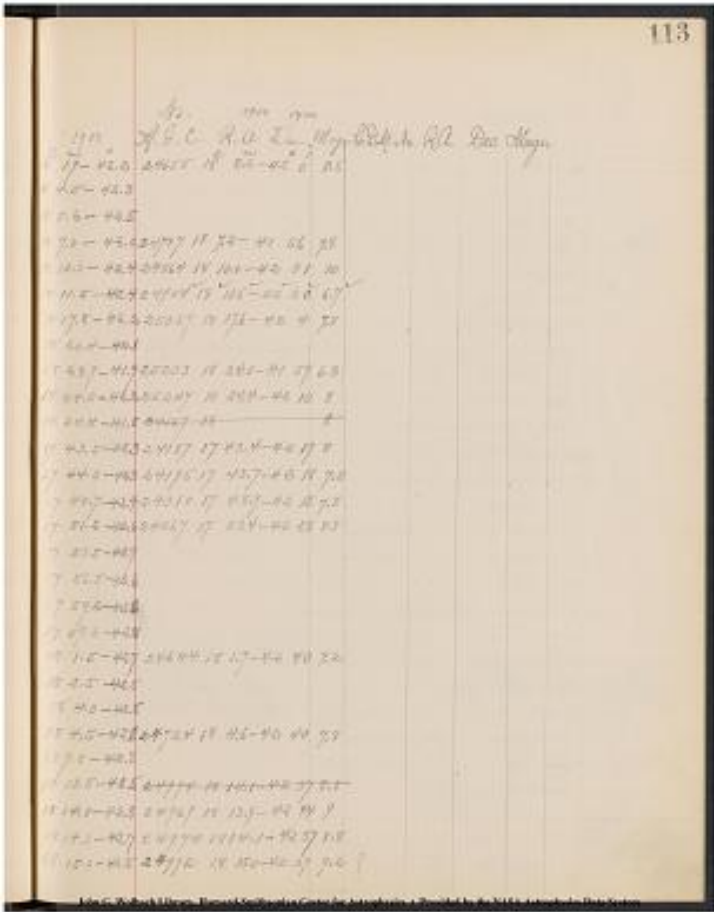


Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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```

[preprinted]]113[[/preprinted]]
[[table]]
1900|A.G.C.|R.a 1900|Dec. 1900|Magn.|C.D.M.No.|R.A| Dec.|Magn.|
|---|---|---|---|---|
18^[[h]] 1.9^[[m]]-42.2[[symbol-degree symbol]]|24655|18^[[h]]
2.2^[[m]]-42[[symbol - degree symbol]] 0^|8.5| | | |
18 4.5-42.3| | | | |
18 5.6-42.5| | | | |
18 7.0-42.0|24787|18 7.2|-41 56|7.8| | | |
18 10.0-42.4|24864|18 10.0|-42 31|10| | | |
18 11.5-42.4|24904|18 11.5|-42 20|6.7| | | |
18 17.8-42.2|25057|18 17.6|-42 4|7.8| | | |
18 20.4-42.1| | | | |
18 23.9-41.9|25233|18|24.0|-41 59|6.3| | | |
18 24.0-42.2|25247|18 24.24|-42 10|8| | | |
18 24.4-
41.8|[[/striketrough]]|24187|[[/striketrough]]|[[/striketrough]]18|[[/striketrough]]
|[[/striketrough]]|8|[[/striketrough]]| | | |
17 43.5-42.3|24187|17 43.4|-42 17|8| | | |
17 44.0-43.3|24195|17 43.7|-42 18|7.0| | | |
17 48.7-42.4|24310|17 48.9|-42 18|7.8| | | |
17 51.2-42.6|24367|17 51.4|-42 28|8.8| | | |
17 51.5-42.9| | | | |
17 56.5-42.6| | | | |
17 59.2-42.6| | | | |
17 59.6-42.8| | | | |
18 1.5-42.7|24644|18 1.7|-42 40|7.2| | | |
18 2.5-42.5| | | | |
18 4.0-42.5| | | | |
18 4.5-42.8|24724|18 4.6|-42 40|7.8| | | |
18 7.8-42.8| | | | |
18 13.5-42.5|[[/striketrough]]|24974|[[/striketrough]]|[[/striketrough]] 18
14.1|[[/striketrough]]|[[/striketrough]]-42
37|[[/striketrough]]|[[/striketrough]] 8.8|[[/striketrough]]| | | |
18 14.0-42.8|24969|18 13.9|-42 44|9| | | |
18 14.1-42.7|24974|18 14.1|-42 37|8.8| | | |
18 15.0-42.8|24992|18 15.0|-42 39|9.2|?| | | |
[[/table]]

```



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]114[[/preprinted]]

January 15, 1893

Plate 3932

[[table]]

V|H|Cl.|Rem No.|K line|Int|

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

[[strikethrough]]Has not this been mean on page 112?

16.9|19.0|A|N|1|[[/strikethrough]]

16.8|19.2|H|N|1|

16.5|19.4|A|N|2|

16.2|19.5|G|K=H|2|

16.5|19.6|F|1179|K=H|2|

16.1|20.1|A|N|2|

16.7|20.5|H|N|1|

17.0|20.7|H|N|1|

16.5|22.8|A|K=H|1|

16.4|23.2|F|K=H|3|

18.0|8.0|A|K=H|2|

17.3|8.5|A|N|2|

17.4|9.0|A|K=H|2|

17.9|9.1|H|N|1|

17.3|11.8|H|K=H|1|

17.6|15.1|A|N|2|

17.8|15.8|F|K=H|2|

17.8|16.1|F|1180|K=H|2|

17.8|16.6|A|N|3|

17.7|17.3|A|N|1|

17.4|17.6|F|1181|K=H|1|

17.5|19.0|H|N|1|

17.9|19.2|A|N|1|

17.2|19.4|A|K=H|1|

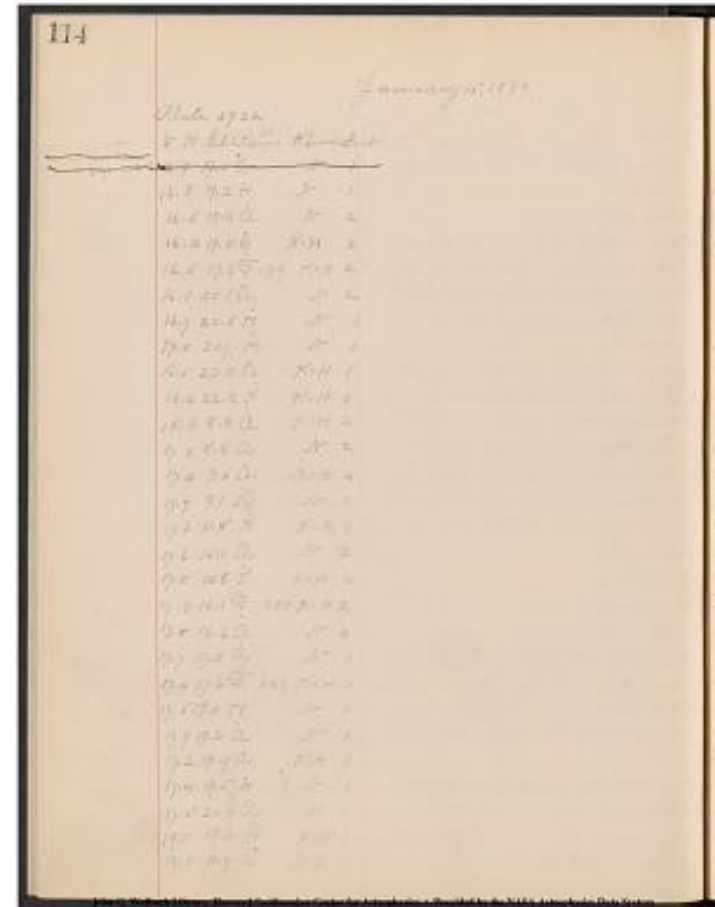
17.4|19.5|H|N|1|

17.5|20.4|A|N|1|

19.0|18.6|H|K=H|1|

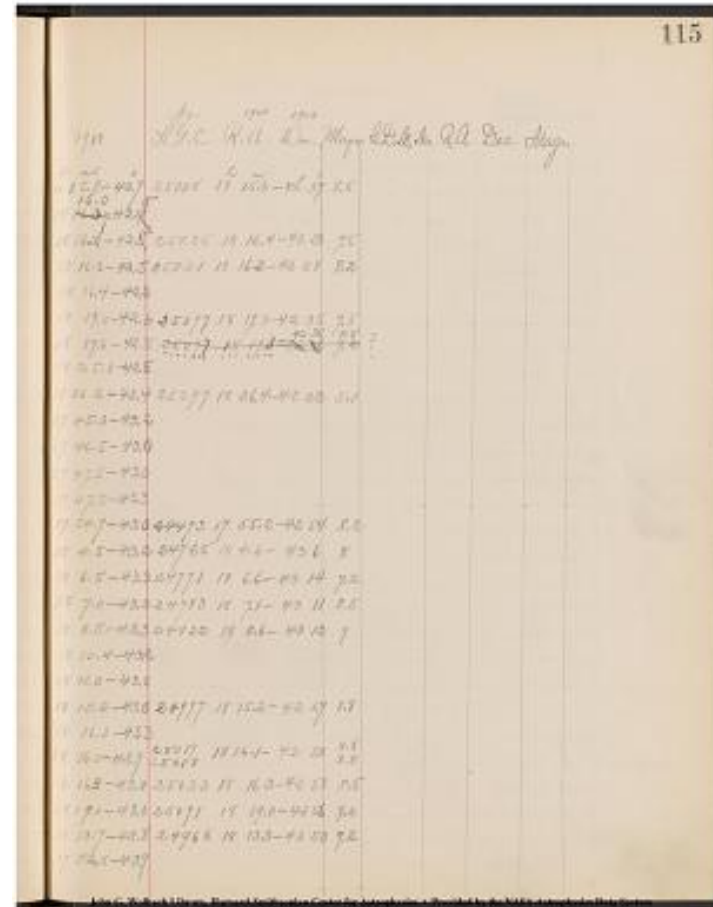
19.0|10.4|A|K=H|1|

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]115[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.No|R.A|  
Dec.	Magn.
 18<sup>h</sup>|15.8<sup>m</sup>|42.7<sup>s</sup>|25008|18<sup>h</sup>|  
 15.6<sup>m</sup>|42<sup>s</sup>|39|8.5| | | | |  
 18 |16.0|  
 43. |9|5| | | | | |  
 18 16. |3|1-  
 42. |5|3|25025|18 16.4|-42 23|7.5| | | |  
 |  
 18 16.3-42.5|25021|18 16.2|-42 28|8.2| | | | |  
 18 16.4-42.2| | | | |  
 18 19.0|42.6|25097|18 19.3|-42 35|7.5| | | | |  
 18 19.6-42.8|25097|18 19.3|-43 56|9.2|  
 |-42 35|7.5|?| | | | |  
 18.25.0-42.5| | | | |  
 18 26.2-42.4|25297|18 26.4|-42 23|5.1| | | | |  
 17 45.0-43.2| | | | |  
 17 46.5-43.0| | | | |  
 17 47.5-43.0| | | | |  
 17 47.5-43.3| | | | |  
 17 54.7-43.0|24473|17 55.2|-43 54|8.2| | | | |  
 18 4.5-43.2|24725|18 4.6|-43 6|8| | | | |  
 18 6.5-43.3|24771|18 6.6|-43 14|7.2| | | | |  
 18 7.0-43.3|24783|18 7.1|-43 11|8.5| | | | |  
 18 8.5-43.3|24822|18 8.6|-43 12|7| | | | |  
 18 10.4-43.2| | | | |  
 18 11.0-43.0| | | | |  
 18 15.2-43.0|24997|18 15.2|-42 59|8.8| | | | |  
 18 16.0-43.3| | | | |  
 18 16.0-42.9|25017 25018|18 16.1|-42 50|8.5 8.8| | | | |  
 18 16.3-43.0|25023|18 16.2|-42 58|8.5| | | | |  
 18 19.0-43.0|25091|18 19.0|-42 56|9.2| | | | |  
 18 13.7-43.8|24968|18 13.8|-43 50|7.2| | | | |  
 17 52.5-43.9| | | | |  
 [[/table]]



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[[preprinted]]116[[/preprinted]]

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Plate ~~3692~~3932

[[table]]

V|H|C|Rem. No. |K line|Int|

18.4	12.0	G	K=H 1
18.2	13.4	A	K=0.5H 4
18.2	13.7	H	K=H 2
18.9	13.8	? 1182	K=H 1
18.4	15.3	H	N 1
19.0	15.9	A	N 2
18.7	17.0	H	N 1
18.5	17.2	A	N 2
18.1	18.5	A	N 1

[[see 19.0 18.6 on page 114. What error?]]19.0|18.4|A| |K=0.2H|3|

[[No star. Wrong measure?]]18.8|20.5|I| |K=H|2|

19.9|6.9|A| |N|1|

[[No star. Wrong measure?]]19.2|20.7|A| |N|1|

19.8|13.6|F|1183|K=H|1|

19.8|16.6|G| |K=1.2H|3|

19.7|18.2|Ma| |N|1|

19.7|19.6|A| |N|4|

20.0|19.7|F|1184|K=H|1|

19.9|20.1|F|1185|K=H|1|

20.0|20.5|A| |N|1|

19.4|21.4|G| |K=H|2|

19.5|21.8|F|1186|K=H|2|

19.3|22.2|A| |N|2|

[[No star. Wrong measure?]]20.1|19.8|K| |K=H|3|

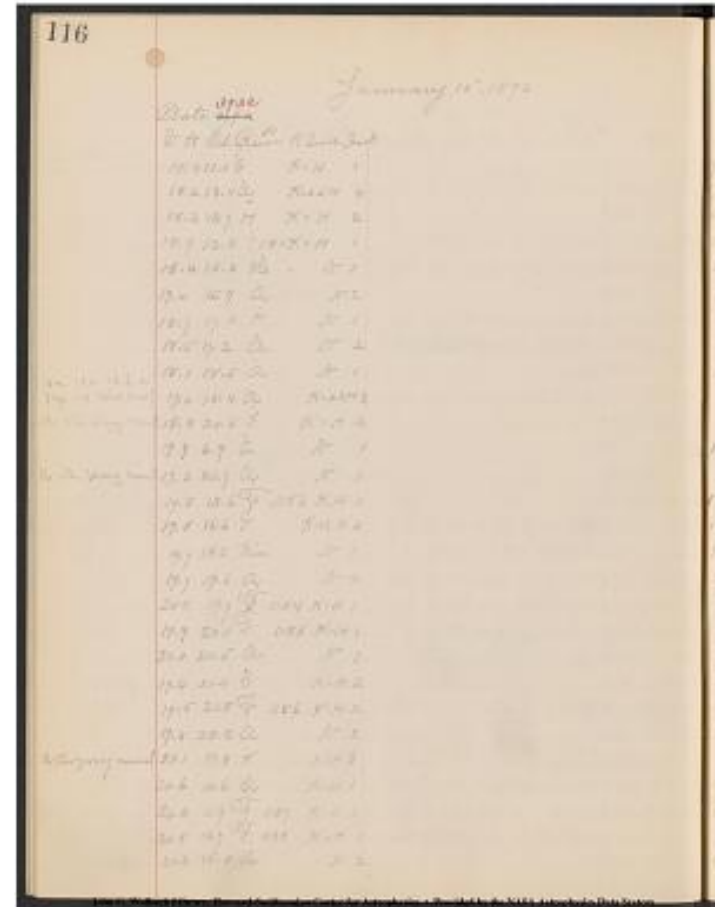
20.6|10.6|R| |K=H|1|

20.6|11.9|F|1184|K=H|1|

20.8|12.7|F|1188|K=H|1|

20.6|15.0|A| |N|2|

[[/table]]



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[[preprinted]]117[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.	R.A.	Dec.	Magn.
 17<sup>h</sup> 55.9<sup>m</sup> -43.5<sup>s</sup> 24489 17<sup>h</sup> 55.8<sup>m</sup> -43.5<sup>s</sup> 27 7.8 | | | |  
 17 59.4 -43.5 24598 17 59.6 -43 26 5.6 | | | |  
 18 0.4 -43.5 24614 18 0.4 -43 24 8 | | | |  
 18 0.6 -43.8 | | | |  
 18 4.7 -43.5 24734 18 5.1 -43 27 8.8 | | | |  
 18 6.5 -43.9 | | | |  
 18 9.7 -43.7 | | | |  
 18 10.2 -43.6 24872 18 10.3 -43 32 9 | | | |  
 18 13.7 -43.4 24960 18 13.5 -43 32 9 | | | |  
 17 41.2 -44.2 24117 17 41.3 -44 19 8.5 | | | |  
 18 0.0 -44.3 | | | |  
 18 8.5 -44.3 24818 18 8.6 -44 14 5.9 | | | |  
 18 13.1 -44.2 24941 18 13.2 -44 7 7.2 | | | |  
 18 7.1 -44.2 25040 18 7.0 -44.9 5.7 | | | |  
 18 7.2 -44.3 | | | |  
 18 18.6 -44.3 | | | |  
 18 20.0 -44.3 25107 18 19.6 -44 11 8.5 | | | |  
 18 22.0 -43.9 25166 18 21.9 -43 54 6.9 | | | |  
 18 22.5 -43.9 25192 18 22.8 -43 53 7.8 | | | |  
 18 24.0 -43.9 25236<sup>h</sup> 25234<sup>m</sup> 18 24.0 -43 54<sup>h</sup> 48<sup>m</sup> 8<sup>s</sup> 7.5 | | | |  
 17 52.0 -44.6 24372 17 51.7 -44 31 9 | | | |  
 17 55.6 -44.7 24472 17 55.2 -44 33 8.8 | | | |  
 17 57.5 -44.8 24541 17 57.5 -44 40 8.5 | | | |  
 18 4.0 -44.7 | | | |  
 [[/table]]

117

1900 A.G.C. No. R.A. 1900 Dec. 1900 Magn. C.D.M.

1900	A.G.C. No.	R.A. 1900	Dec. 1900	Magn.	C.D.M.
17 55.9	24489	17 55.8	-43 27	7.8	
17 59.4	24598	17 59.6	-43 26	5.6	
18 0.4	24614	18 0.4	-43 24	8	
18 0.6					
18 4.7	24734	18 5.1	-43 27	8.8	
18 6.5					
18 9.7					
18 10.2	24872	18 10.3	-43 32	9	
18 13.7	24960	18 13.5	-43 32	9	
17 41.2	24117	17 41.3	-44 19	8.5	
18 0.0					
18 8.5	24818	18 8.6	-44 14	5.9	
18 13.1	24941	18 13.2	-44 7	7.2	
18 7.1	25040	18 7.0	-44.9	5.7	
18 7.2					
18 18.6					
18 20.0	25107	18 19.6	-44 11	8.5	
18 22.0	25166	18 21.9	-43 54	6.9	
18 22.5	25192	18 22.8	-43 53	7.8	
18 24.0	25236 <sup>h</sup> 25234 <sup>m</sup>	18 24.0	-43 54 <sup>h</sup> 48 <sup>m</sup> 8 <sup>s</sup> 7.5		
17 52.0	24372	17 51.7	-44 31	9	
17 55.6	24472	17 55.2	-44 33	8.8	
17 57.5	24541	17 57.5	-44 40	8.5	
18 4.0					

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January 15, 1893

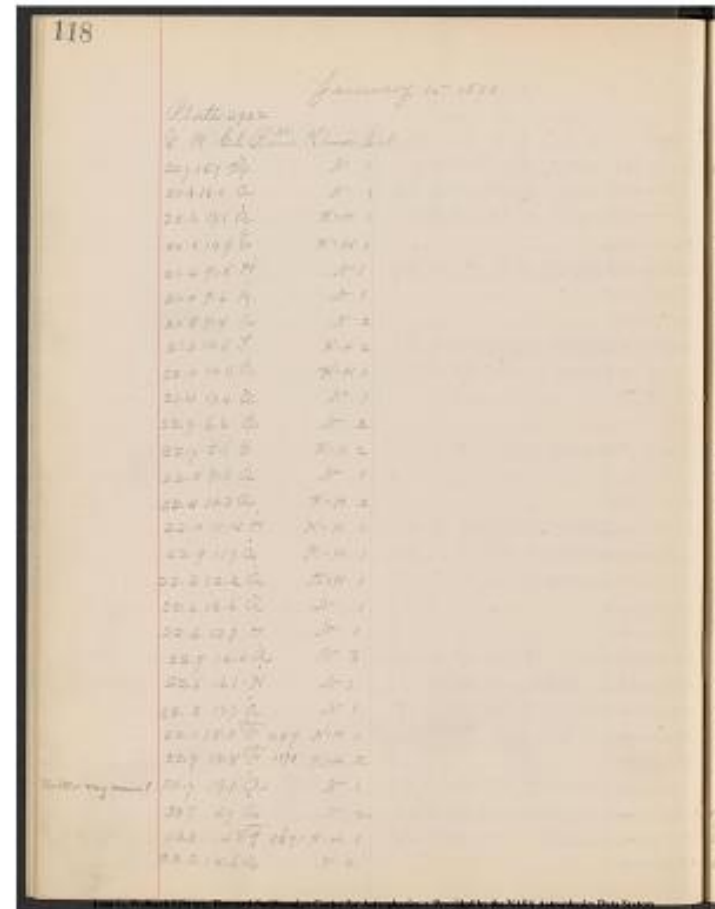
Plate 3932

[[table]]

V|H|C|Rem. No.|K line|Int|

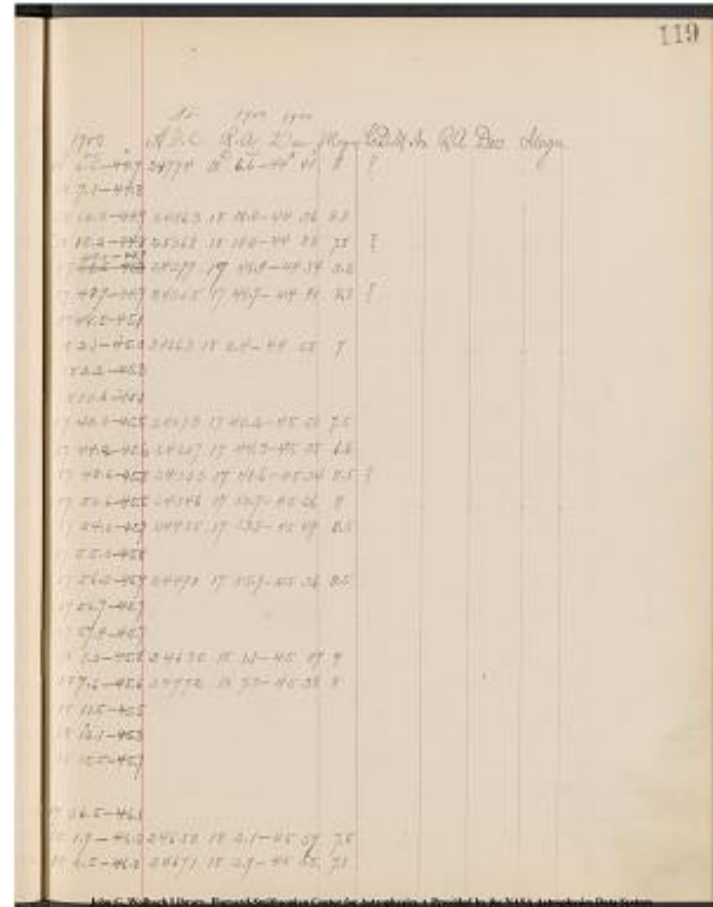
20.7	15.9	H	N 1
20.6	16.0	A	N 1
20.6	17.1	A	K=H 1
20.8	19.9	E	K=H 1
21.4	9.5	H	N 1
21.0	9.6	H	N 1
21.8	9.4	A	N 2
21.3	14.5	I	K=H 2
22.0	14.4	A	K=H 1
21.4	17.4	A	N 1
22.7	6.6	A	N 2
22.7	8.1	G	K=H 2
22.8	9.6	A	N 1
22.4	10.3	A	K=H 2
23.0	11.4	H	K=H 1
22.9	11.7	A	K=H 1
22.6	12.2	A	K=H 1
22.6	12.6	A	N 1
22.6	12.7	H	N 1
22.9	14.0	A	N 3
22.6	16.1	H	N 1
22.3	17.7	A	N 1
22.1	18.0	F 1189	K=H 1
22.9	18.8	F 1190	K=H 2
[[No Star wrong measure?]]22.7 19.1 A   N 1			
23.9	5.7	A	N 2
23.3	14.3	F 1	[[/strikethrough]]191 K=H 1
23.2	14.6	A	N 2

[[/table]]



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[[preprinted]]119[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
 No.|R.A.|Dec.|Magn|  
 -----  
 18<sup>h</sup>[[h]] 6.5<sup>m</sup>[[m]] -44.9<sup>s</sup>[[symbol-degree symbol]]|24774|18<sup>h</sup>[[h]]  
 6.6<sup>m</sup>[[m]]|44<sup>s</sup>[[symbol-degree symbol]] 41'8"? | | |  
 18 7.1-44.8| | | | |  
 18 10.0-44.7|24863|18 10.0-44 36|8.8| | | |  
 18 18.2-44.8|25068|18 18.0-44 38|7.8|?| | | |  
 17 ~~[[strikethrough]]48.5-45.1~~[[/strikethrough]]|49.0-44.9|25299|17 48.4-  
 44 54|8.2| | | | |  
 17 48.9-44.9|24305|17 48.7-44 41|8.8|?| | | |  
 17 48.5-45.1| | | | |  
 18 2.1-45.0|24663|18 2.4-44 58|7| | | | |  
 18 2.2-45.3| | | | | | |  
 18 10.6-45.1| | | | | | |  
 17 40.0-45.5|24093|17 40.2-45 28|7.5| | | | |  
 17 44.2-45.6|24207|17 44.3-45 35|6.6| | | | |  
 17 48.6-45.8|24303|17 48.6-45 34|8.5|?| | | | |  
 17 50.6-45.5|24346|17 50.7-45 26|8| | | | |  
 17 54.0-45.9|24435|17 53.8-45 49|8.5| | | | |  
 17 55.0-45.8| | | | | | |  
 17 56.0-45.7|24490|17 55.9-45 36|8.5| | | | |  
 17 56.7-45.7| | | | | | |  
 17 57.4-45.7| | | | | | |  
 18 1.0-45.8|24630|18 1.1-45 47|7| | | | |  
 18 7.6-45.6|24792|18 7.3-45 38|8| | | | |  
 18 11.5-45.5| | | | | | |  
 18 12.1-45.3| | | | | | |  
 18 15.5-45.7| | | | | | |  
 17 36.5-46.1| | | | | | |  
 18 1.9-46.0|24650|18 2.1-45 57|7.5| | | | |  
 18 2.5-46.0|24671|18 2.7-45 55|7.8| | | | |  
 [[/table]]



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January 15, 1893

Plate 3932

[[table]]

|V|H|Cl|Rem. No.|K line|Int|

23.2|15.0|||K=H|3|

23.6|15.1|A|N|1|

22.8|15.5|A|K=H|1|

23.5|15.6|A|K=0.5H|2|

23.5|20.4|A|N|5|

23.6|22.1|A|N|3|

23.2|22.2|A|N|3|

24.4|12.6|A|N|1|

24.1|15.8|A|N|3|

+[[1^[[h]] 00^[[m]]]]24.1|17.9|A|N|2|

[[/table]]

120	
	January 16, 1893
	Plate 3932
	23.2 15.0   K=H 3
	23.6 15.1 A N 1
	22.8 15.5 A K=H 1
	23.5 15.6 A K=0.5H 2
	23.5 20.4 A N 5
	23.6 22.1 A N 3
	23.2 22.2 A N 3
	24.4 12.6 A N 1
	24.1 15.8 A N 3
	+[[1^[[h]] 00^[[m]]]]24.1 17.9 A N 2

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[[preprinted]]121[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
 No.|R.A.|Dec.|Magn|  
 |---|---|---|---|---|  
 18<sup>h</sup>|3.5<sup>m</sup>|45.9<sup>s</sup>|24703|18<sup>h</sup>|  
 3.9<sup>m</sup>|45<sup>s</sup>|58.5.2| | | | |  
 18 4.5-46.1| | | | | | |  
 18 5.7-45.7|24743|18 5.7-45 42|9| | | | |  
 18 9.0-46.1|24825|18 8.8-46 4|7.8| | | | |  
 18 19.5-46.1|25105|18 19.6-46 1|3.5| | | | |  
 18 24.5-45.9|25243|18 24.4-45 59|5.7| | | | |  
 18 24.6-45.8|25255|18 24.7-45 49|5.7| | | | |  
 17 57.0-446.5| | | | | | |  
 18 6.5-46.4|24765|18 6.4-46 20|7.5| | | | |  
 18 13.0-46.4|~~24934~~|18 12.8-45 58|7.5|~~7.5~~|  
 | | | | | | |  
 [[/table]]

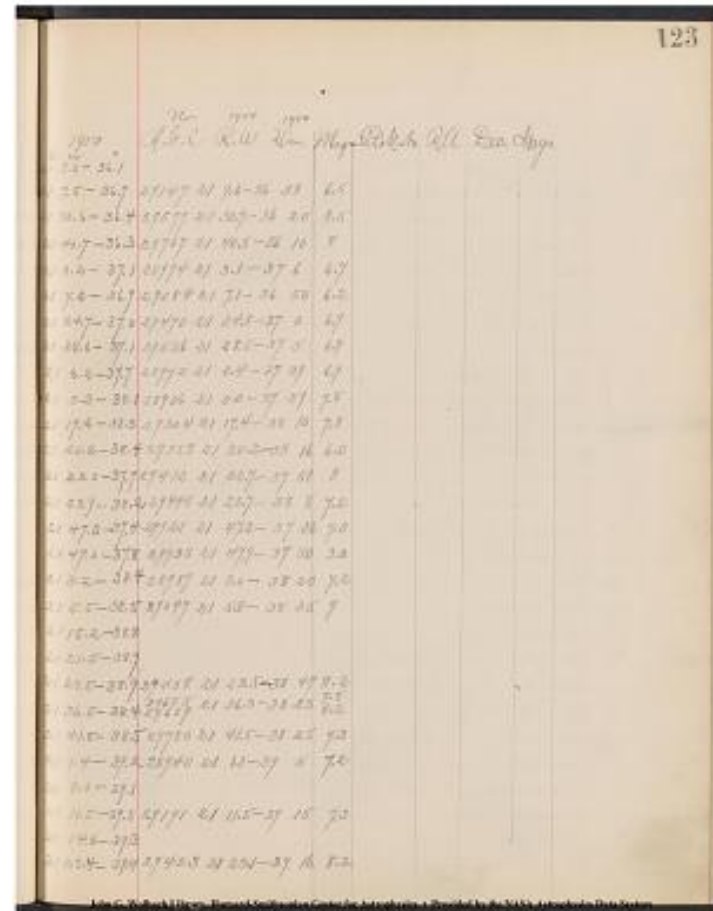


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[[preprinted]]122[[/preprinted]]  
R.A. 21<sup>h</sup>[[h]] 24<sup>m</sup>[[m]] Dec. - 41.5  
[[underlined]]January 16, 1893[[/underlined]]  
Plate 3935  
23<sup>h</sup>[[h]] 30<sup>m</sup>[[m]]  
[[table]]  
V	H	C	Rem. No.	K line	Int
3.5|8.6|A| |N|1|  
4.9|9.3|I| |K=H|2|  
4.4|17.7|F|1192|K=H|2|  
4.4|~~17.7~~|~~F~~|~~1192~~|~~K=H~~|~~2~~|  
6.0|6.7|A|1193|K=H|3|  
5.4|8.3|I| |K=H|3|  
5.6|15.3|F|1194|K=H|2|  
5.5|16.8|H| |K=H|1|  
7.0|6.5|A| |N|3|  
7.8|5.6|A| |K=H|1|  
7.8|12.5|A| |K=0.5H|2|  
8.0|13.6|K| |K=H|3|  
7.3|14.6|H| |N|1|  
7.8|15.0|F|1195|K=H|2|  
6.8|24.2|H| |N|1|  
7.5|24.4|A| |N|4|  
8.4|6.8|I| |K=H|2|  
8.5|7.8|A| |N|1|  
8.8|11.6|A| |K=H|1|  
8.9|14.1|H| |N|1|  
8.6|14.8|F|1196|K=H|2|  
8.4|19.8|A| |K=H|2|  
8.5|21.7|G| |K=H|2|  
10.0|6.2|F|1197|K=H|2|  
9.6|8.8|A| |K=H|1|  
10.0|10.2|L| |K=H|2|  
9.9|11.4|E| |K=H|1|  
10.0|14.7|F|1198|K=H|1|  
[[/table]]

Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]123[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
 No.|R.A.|Dec.|Magn|  
 -----  
 21^[[h]] 8.0^[[m]] -36.1^[[symbol-degree symbol]] | | | | | | |  
 21 9.5-36.7|29147|21 9.6|-36 38|6.5| | | | | | |  
 21 30.6-36.4|29579|21 30.7|-36 20|8.5| | | | | | |  
 21 40.7-36.3|29767|21 40.8|-36 10|8| | | | | | |  
 21 3.2-37.1|28994|21 3.1|-37 6|6.7| | | | | | |  
 21 7.2-36.9|29084|21 7.1|-36 50|6.2| | | | | | |  
 21 24.7-37.0|29470|21 24.8|-37 0|6.9| | | | | | |  
 21 28.6-37.1|29526|21 28.5|-37 5|6.9| | | | | | |  
 21 2.2-37.7|28972|21 2.4|-37 39|6.9| | | | | | |  
 21 0.2-38.1|28906|21 0.0|-37 59|7.5| | | | | | |  
 21 17.2-38.3|29304|21 17.4|-38 10|7.8| | | | | | |  
 21 20.2-38.4|29358|21 20.2|-38 16|6.0| | | | | | |  
 21 23.0-37.9|29412|21 22.7|-37 51|8| | | | | | |  
 21 23.9-38.2|29448|21 23.7|-38 8|7.2| | | | | | |  
 21 47.0-37.4|29921|21 47.2|-37 22|7.0| | | | | | |  
 21 47.6-37.8|29935|21 47.9|-37 50|3.0| | | | | | |  
 21 3.2-38.4|28989|21 3.0|-38 20|7.2| | | | | | |  
 21 5.5-38.5|29047|21 5.8|-38 35|9| | | | | | |  
 21 15.2-38.8| | | | | | | | | | | | |  
 21 21.5-38.9| | | | | | | | | | | | |  
 21 23.5-38.9|29438|21 23.5|-38 47|8.2| | | | | | |  
 21 36.5-38.4|29689^[[29685]]|21 36.3|-38 23|8.2^[[7.5]]| | | | | | |  
 21 41.5-38.5|29780|21 41.5|-38 25|7.3| | | | | | |  
 21 1.4-39.2|28940|21 1.1|-39 5|7.2| | | | | | |  
 21 8.0-39.1| | | | | | | | | | | | |  
 21 11.5-39.3|29191|21 11.5|-39 15|7.3| | | | | | |  
 21 14.6-39.3| | | | | | | | | | | | |  
 21 23.4-39.4|29423|21 23.1|-39 16|8.2| | | | | | |  
 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]124[[/preprinted]]

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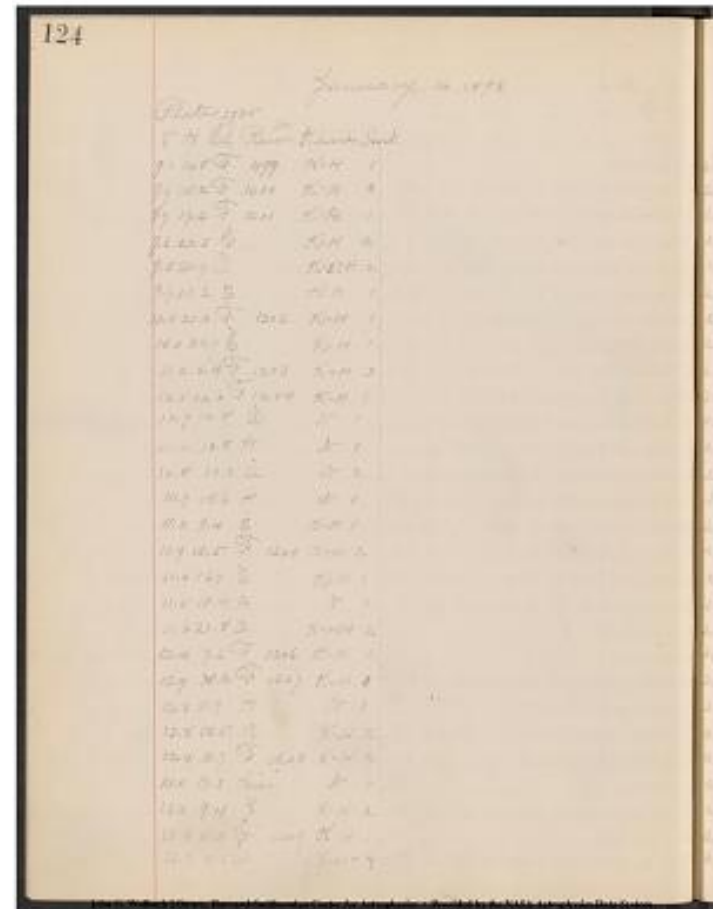
Plate 3935

[[table]]

V|H|Cl.|Rem No.|Kline|Int.|

9.1	14.8	F	1199	K=H	1
9.7	15.2	F	1200	K=H	2
9.7	17.4	F	1201	K=H	1
9.6	20.5	G		K=H	2
9.5	20.5	A		K=0.3H	2
9.7	21.2	E		K=H	1
10.0	21.3	F	1202	K=H	1
10.0	22.7	E		K=H	1
11.2	8.4	F	1203	K=H	1
10.5	10.0	F	1204	K=H	1
10.9	10.5	A		N	1
11.0	10.8	H		N	1
10.8	13.3	A		N	2
10.9	18.6	H		N	1
11.3	9.4	E		K=H	1
11.9	12.5	F	1205	K=H	2
11.4	16.7	E		K=H	1
11.5	18.4	H		N	1
11.6	21.8	A		K=0.5H	2
12.4	8.6	F	1206	K=H	1
12.9	18.2	F	1207	K=H	3
12.3	8.9	H		N	1
12.8	12.5	A		K=H	2
12.4	12.7	F	1208	K=H	2
13.0	17.3	Ma?		N	1
13.3	9.4	I		K=H	2
13.3	11.3	F	1209	K=H	1
13.8	11.5	A		K=0.1H	4

[[/table]]



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21^[[h]]	23.7^[[m]]	38.9^[[symbol-degree symbol]]							
21	24.7-39.1	29462		21	24.5-39	5	7.5		
21	30.5-39.2								
21	38.2-39.0	29726		21	38.3-39	0	6.5		
21	39.0-38.9	29735		21	38.8-38	54	7.3		
21	40.0-39.0								
21	40.5-39.3	29758		21	40.3-39	11	8.5		
21	44.4-39.1	29845		21	43.9-39	4	7.8		
21	6.5-39.8	29075		21	6.6-39	50	5.7		
21	11.0-39.5	29181		21	11.0-39	28	7.8		
21	12.2-39.7								
21	13.2-39.8								
21	19.5-39.8								
21	33.9-39.8								
21	9.2-40.0	29137^[[29135]]		21	9.2-39	52^[[53]]	8.5^[[8.8]]		
21	17.5-40.3	29305^[[29303]]		21	17.4-40	14^[[13]]	8.8^[[7.8]]		
21	28.7-40.1								
21	33.2-40.1								
21	41.9-40.1								
21	4.5-40.5	29022		21	4.3-40	23	8		
21	5.6-40.8	29048		21	5.8-40	40	6.1		
21	7.7-40.4	29100		21	7.8-40	23	7.8		
21	17.3-40.7								
21	17.9-40.5	29310		21	17.7-40	28	7.8		
21	30.5-40.8	29567		21	30.2-40	46	7.5		
21	9.0-40.9	29123		21	8.8-40	55	6.6		
21	14.1-40.9								
21	14.5-41.2	29248		21	14.4-41	14	4.8		

[illegible]

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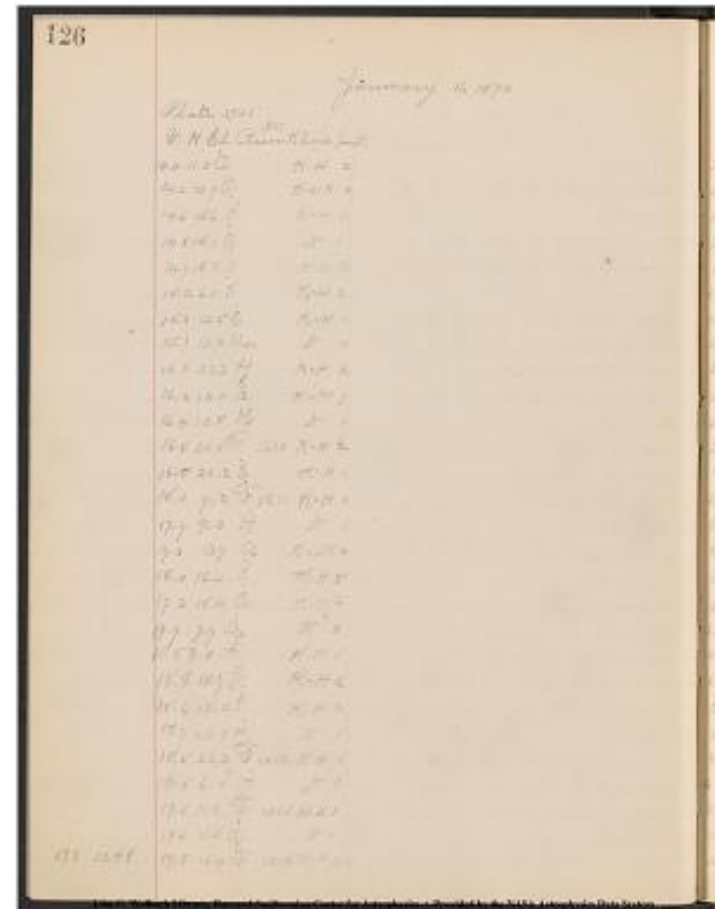
Plate 3935

[[table]]

V|H|C|Rem. No.|K line|Int|

14.4	11.0	A		K=H 2	
14.2	12.9	A		K=0.1H 3	
14.6	15.6	I		K=H 3	
14.5	18.1	A		N 1	
14.9	18.8	I		K=H 2	
15.2	6.1	I		K=H 2	
15.3	12.5	E		K=H 1	
15.4	13.3	Ma?		N 1	
15.5	23.3	H		K=H 2	
16.2	13.0	<del>A</del>		<del>E</del>	K=H 1
16.4	13.8	H		N 1	
16.8	20.0	F	1210	K=H  <del>2</del>	<del>1</del>
16.8	20.3	E		K=H 1	
18.0	9.2	F	1211	K=H 1	
17.7	9.3	H		N 1	
17.3	13.9	A		K=0.5H 4	
18.0	16.4	I		K=H 3	
17.2	18.4	A		K=H 3	
19.7	7.7	A		N 3	
18.5	9.0	H		K=H 1	
18.8	10.4	G		K=H 2	
18.6	18.4	G		K=H 2	
18.7	22.9	H		N 1	
18.5	23.2	F	1212	K=H 1	
19.5	6.0	H		N 1	
19.5	11.3	F	1213	K=H 1	
19.4	11.5	A		N 1	
19.8	13.4?	19.8	15.4	F	1214
19.8	15.4	F	1214	K=H 1	

[[/table]]



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Plate 3935

[[table]]

V|H|C|Rem. No.|K line|Int|

19.2|14.9|| |K=H|2|

20.0|17.2|F|1215|K=H|1|

19.4|19.5|F|1216|K=H|3|

19.5|22.0|H| |K=H|1|

20.8|7.6|| |K=H|2|

20.7|11.0|E| |K=H|1|

20.4|15.0|H| |K=H|2|

21.4|9.3|H| |N|1|

21.4|9.5|F|1217|K=H|1|

[[~~22.0~~]]~~12.0~~[[/del]]22.0[[~~22.0~~]]

22.0[[~~13.7~~]]13.7|F|1218|K=H|1|

[[~~21.9~~]]21.9|13.8?|22.9|13.8|Ma| |N|1|

21.9|16.0|K| |K=H|3|

21.5|18.2|A| |K=H|1|

22.9|10.8|A| |N|2|

22.2|11.4|N| |N|2|

22.6|13.2|A| |K=0.2H|3|

22.5|21.1|A| |K=H|2|

22.4|6.2|H| |N|1|

23.2|7.0|A| |N|2|

23.9|9.3|Ma[[~~23.9~~]]?[[~~23.9~~]]| |N|1|

23.9|11.6|F|1219|K=H|1|

23.9|11.6|F|1219|K=H|1|

23.5|17.5|G|1220|K=H|2|

[[/table]]

Plate 4111 R.A. 22<sup>h</sup> 44<sup>m</sup> Dec. -41<sup>°</sup>.7

[[table]]

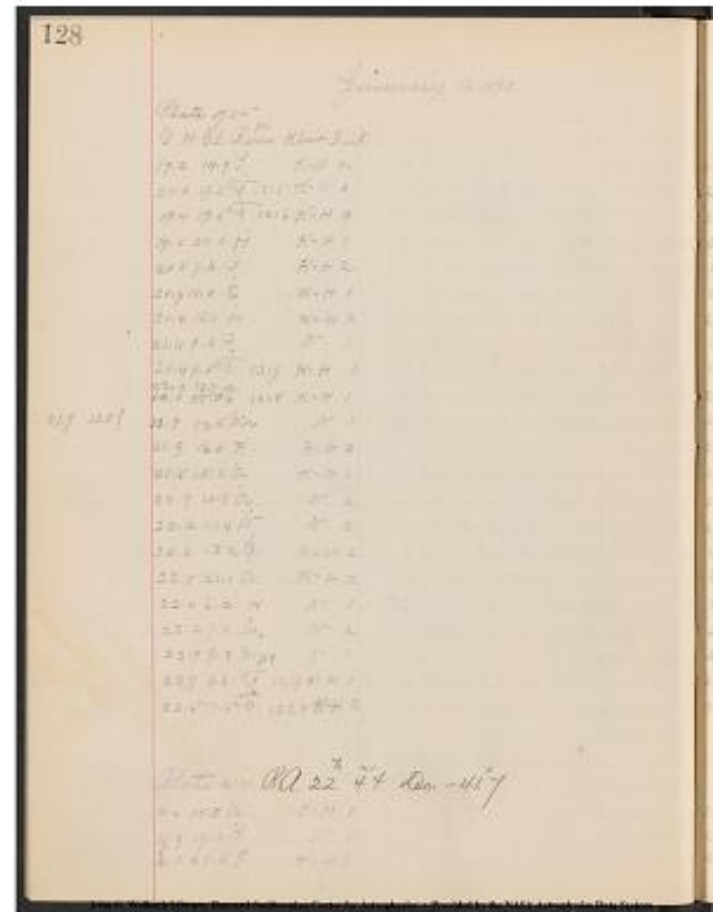
| | | | | | |

4.0|15.8|A| |K=H|1|

4.9|17.2|| |N|1|

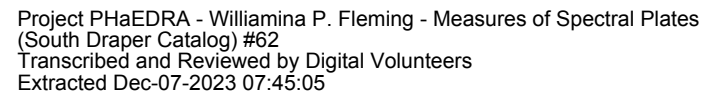
[[~~4.0~~]]4[[~~4.0~~]]5.0|20.2|| |K=H|1|

[[/table]]



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[[/table]]



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Plate 4111

[[table]]

V|H|C|Rem. No.|K line|Int|

6.9|19.4|A| |N|1|

7.6|14.4|F|1221|K=H|1|

8.0|18.2|H| |N|1|

9.0|10.8|I| |N|1|

8.5|14.3|F|1222|K=H|2|

9.6|9.5|F|1223|K=H|1|

10.0|15.9|H| |N|1|

9.1|20.3|H| |N|1|

9.9|21.7|A| |N|3|

10.4|6.9|I| |K=H|3|

10.3|10.9|H| |K=H|2|

10.2|15.5|K| |K=H|3|

10.8|16.4|H| |N|1|

11.7|10.5|F|1224|K=h|3|

11.2|19.7|F|1225|K=h|1|

[[where is this star?]]12.3|12.9|H| |N|1|

13.1|10.0|A| |K=0.2H|3|

[[ V=13.1?]]12.1|10.2|A| |K=0.2H|3|

13.5|13.2|H| |K=H|2|

14.0|17.3|I| |K=H|2|

13.6|20.3|H| |N|1|

13.2|22.8|Ma| |N|2|

14.6|12.8|G| |K=H|3|

14.3|19.0|H| |K=H|2|

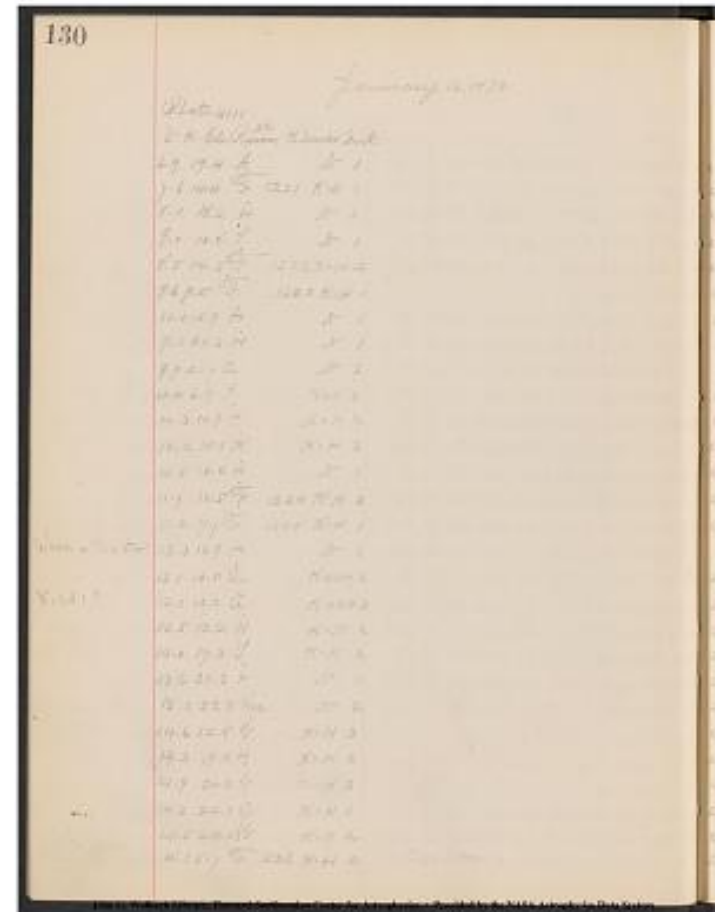
14.9|20.3|G| |K=H|3|

14.3|24.0|A| |K=H|1|

14.5|24.5|G| |K=H|2|

15.1|5.7|F|1226|K=H|2|

[[/table]]



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[[preprinted]]131[[/preprinted]]  
 [[table]]  
 1900|A.G.C No.|R.A 1900|Dec. 1900|Magn|C.D.M. No|R.A.|  
 Dec.|Magn.|  
 -----  
 22^[[h]] 55.5^[[m]]-38.0^[[symbol-degree symbol]]|31278|22^[[h]]  
 55.4^[[m]]-37^[[symbol-degree symbol]] 54'8.2| | | |  
 22 42.5-38.4|31043|22 42.4-38 17|8| | | |  
 22 52.5-38.5|31217|22 52.3-38 28|7| | | |  
 22 33.2-39.0|30853|22 33.2|39 0|6.7| | | |  
 22 42.2-38.8|31035|22 42.1-38 45|6.8| | | |  
 22 29.7-39.3|30792^[[30791]]|22 29.8-39 14|10^[[7.8]]| | | |  
 22 46.5-39.5|31114|22 46.4-39 29|7.5| | | |  
 22 57.5-39.1|31324|22 57.9-38 58|7| | | |  
 23 1.0-39.5|31383|23 1.3-39 26|5.7| | | |  
 22 23.0-39.7|30641|22 22.8-39 38|5.8| | | |  
 22 33.2-39.7|30852|22 33.2-39 40|6.9| | | |  
 22 45.3-39.7|31099|22 45.3-39 41|5.8| | | |  
 22 48.0-40.1|31137|22 47.8-39 57|7.2| | | |  
 22 32.0-40.4|30830|22 32.0-40 22|6.6| | | |  
 22 56.2-40.3| | | | | | |  
 22 30.4-41.1|30805|22 30.7-41 6|6.4| | | |  
 22 31.0-41.1|30814|22 31.2-41 6|6.0| | | |  
 22 39.1-41.3|30962|22 39.1-41 17|7.0| | | |  
 22 50.1-41.7|31177|22 50.2-41 38|6.8| | | |  
 22 58.0-41.4|31331|22 58.1-41 21|6.9| | | |  
 23 4.5-41.2|31441|23 4.6-41 8|6.2| | | |  
 22 37.5-41.9|30930|22 37.7-41 56|5.2| | | |  
 22 54.6-41.7|31258|22 54.7-41 41|6.9| | | |  
 22 58.2-42.1|31337|22 58.4-42 1|6.0| | | |  
 23 7.9-41.5|31506^[[31505]]|23 8.0-41 29|8^[[9]]| | | |  
 23 9.4-41.7|31523|23 9.4-41 39|6.1| | | |  
 22 18.5-41.9|30569^[[30568]]|22 18.7-41 56|8.5^[[6.7]]| | | |  
 [[/table]]



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January 16, 1893

Plate 4111

[[table]]

|V|H|C|Rem. No.|K line|Int|

15.3|14.1|H| |K=H|2|

15.6|16.8|A| |N|1|

[[16.7 7.9?]]16.7|8.9|A| |N|2|

17.0|17.3|A| |K=0.4H|2|

17.5|16.0|A| |K=H|1|

17.9|22.4|F|1227|K=H|3|

19.0|7.7|I| |K=H|3|

18.5|8.7|H| |K=H|3|

18.9|10.3|F|1228|K=H|2|

[[where is this star?]]18.8|18.5|H| |K=H|1|

18.2|20.0|F|1229|K=H|1|

18.1|20.6|H| |N|1|

18.2|20.8|A| |N|1|

19.0|21.2|F|1230|K=H|3|

19.4|7.9|Mb| |N|3|

20.2|8.3|A| |N|3|

20.3|12.6|I| |K=H|3|

20.7|15.0|A| |N|1|

21.4|9.4|H| |K=H|2|

21.8|14.3|F|1231|K=H|2|

21.7|19.3|F|1232|K=H|2|

22.1|16.2|H| |N|1|

22.2|17.9|A| |K=H|1|

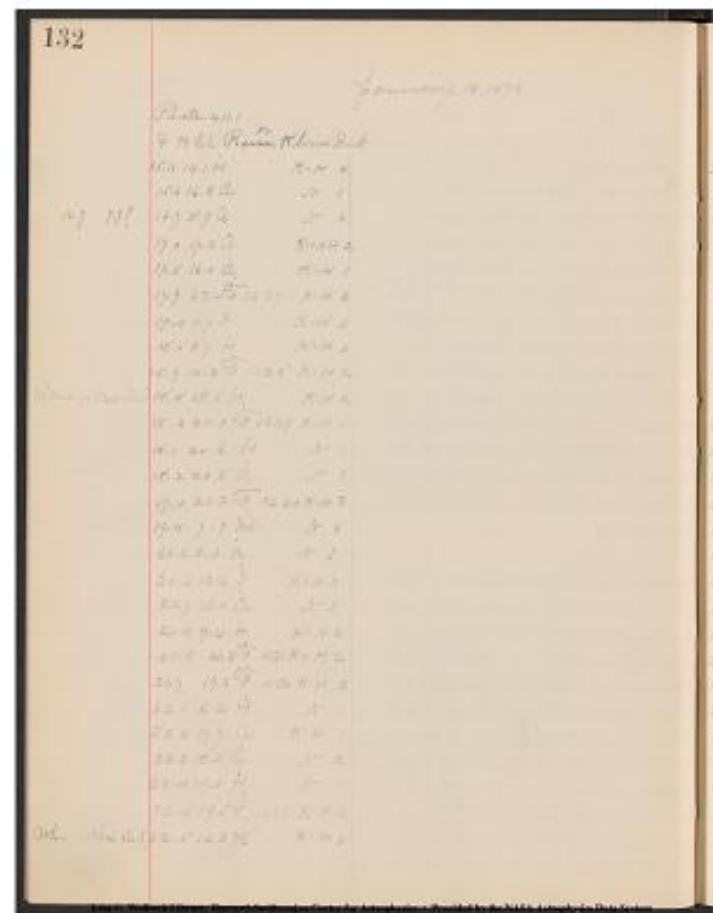
22.3|18.3|A| |N|2|

22.4|19.0|H| |N|1|

22.5|19.5|F|1233|K=H|2|

[[Where is this star?]]22.5|12.3|K| |K=H|3|

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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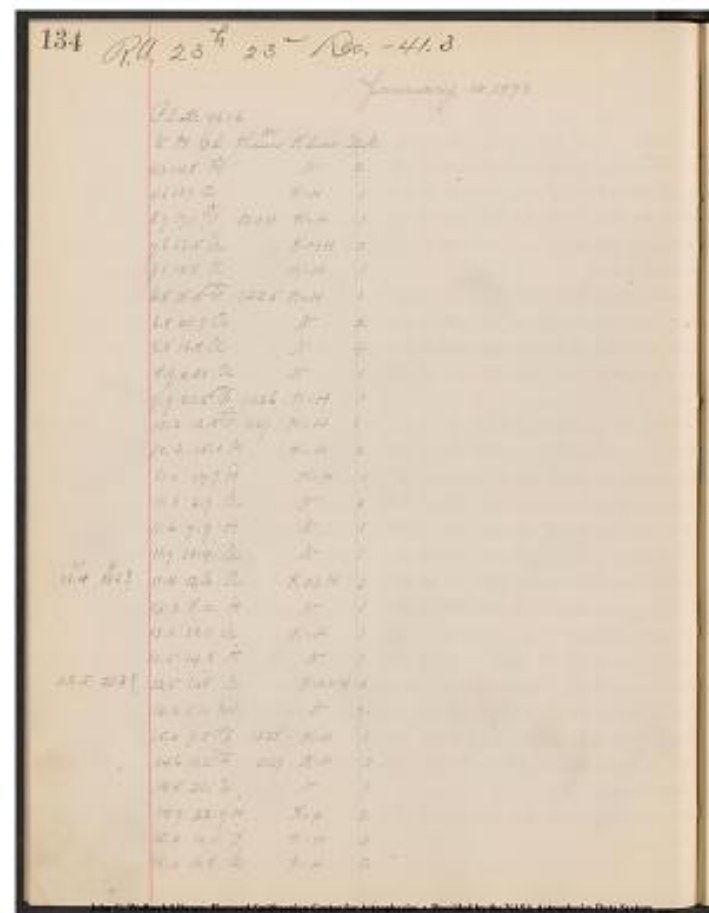
[[preprinted]] 133[[/preprinted]]  
 [[table]]  
 1908|No. A.G.C|R.A 1900|Dec. 1900|Magn|C.D.M. No.|R.A| Dec.|Magn.  
 |---|---|---|---|---|---|---|---|  
 22<sup>h</sup> 41.1<sup>m</sup> 42.3<sup>s</sup> 31012 22<sup>h</sup> 41.4<sup>m</sup> 42<sup>s</sup> 31131 13<sup>s</sup> | | | | |  
 22 48.7-42.5|31149|22 48.8-42 22|8.2| | | | |  
 22 24.2-42.8|30672|22 24.3-42 48|6.9| | | | |  
 22 50.5-43.3|31176|22 50.2-43 58|?| | | | |  
 22 46.5-43.5| | | | | | | |  
 23 4.2-43.5|31437|23 4.4-43 24|6.1| | | | |  
 22 23.0-44.0|30647|22 23.3-44 0|4.2| | | | |  
 22 26.0-43.8|30712|22 26.3-43 46|7.5| | | | |  
 22 30.6-43.9|30807|22 30.8-43 59|7.0| | | | |  
 22 57.5-43.7|31321|22 57.8-43 37|7.8| | | | |  
 22 59.2-43.6|31357|22 59.4-43 34|7.8| | | | |  
 23 0.0-43.6|31368|23 0.2-43 37|7| | | | |  
 23 1.1-44.1|31380|23 1.2-44 4|4.2| | | | |  
 22 23.5-44.3|30657|22 23.8-44 15|4.4| | | | |  
 22 24.5-44.7|30676|22 24.7-44 36|7.5| | | | |  
 22 36.7-44.8|30916|22 36.9-44 46|6.4| | | | |  
 22 44.5-45.0|31075|22 44.1-45 57|8.5| | | | |  
 22 27.7-45.3|30748|22 27.9-45 12|6.9| | | | |  
 22 41.9-45.6|31020|22 41.6-45 29|7| | | | |  
 22 56.0-45.4| | | | | | | |  
 22 47.4-45.8|31128|22 47.5-45 41|7.2| | | | |  
 22 52.0-45.8|31214|22 52.3-45 41|7.5| | | | |  
 22 53.4-45.8|31241|22 53.5-45 43|7.5| | | | |  
 22 54.7-45.8| | | | | | | |  
 22 56.4-45.9|31300|22 56.7-45 50|7.8| | | | |  
 [[/table]]



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R.A. 23<sup>h</sup> 23<sup>m</sup> Dec. -41.3  
January 16, 1893  
Plate 4616

[table]
V H C Rem. No. K line Int
--- --- --- --- ---
4.3 14.8 H  N 2
5.6 13.4 A  K=H 1
5.7 17.1 F 1234 K=H 1
7.6 13.5 A  K=0.3H 2
7.1 15.8 A  K=H 1
6.8 15.4 F 1235 K=H 1
6.8 20.9 A  N 2
8.8 16.8 A  N 4
8.9 20.0 A  N 1
9.9 21.5 F 1236 K=H 1
10.2 12.0 F 1237 K=H 1
10.2 15.0 K  K=H 2
11.0 17.9 H  N 3
11.1 16.7 A  N 1
11.6 939 H  N 1
11.7 10.4 A  N 1
[[11.4 <sup>v</sup>  [v] 11.6 <sup>H</sup>  [H]]?] 11.4 12.6 A  K=0.3H 3
13.3 8.2 H  N 1
13.1 12.1 A  K=H 1
13.5 14.8 H  N 1
[[13.5 21.8?]13.5 11.8 A  K=0.4H 3
14.3 8.2 Mb  N 2
15.0 9.5 F 1238 K=H 1
14.6 11.2 F 1239 K=H 3
14.5 21.1 H  N 1
14.9 23.9 H  K=H 2
15.3 10.1  K=H 3
15.4 10.8 L  K=H 2
[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[illegible]

135

Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]136[[/preprinted]]

January 16, 1893

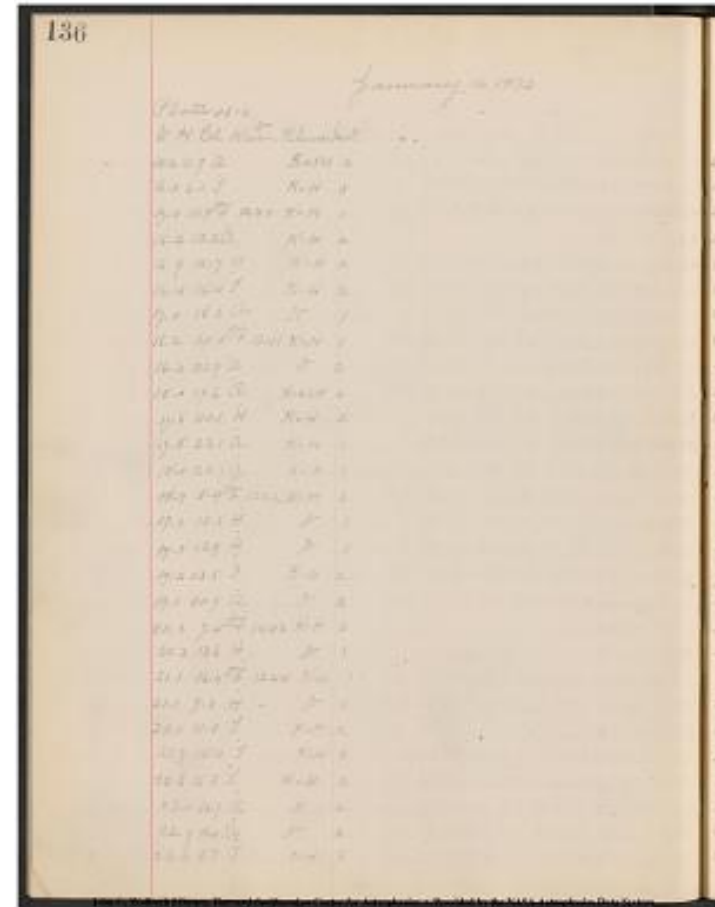
Plate 4616

[[table]]

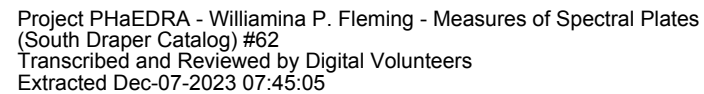
V|H|Cl|Rem. No.|K line|Int|

15.2	11.9	A		K=0.8H	2
16.3	6.0	I		K=H	3
17.0	11.9	F	1240	K=H	1
16.2	13.2	A		K=H	2
16.9	15.9	H		K=H	2
16.4	16.4	I		K=H	2
17.0	18.3	A		N	1
16.2	20.0	F	1241	K=H	1
16.2	21.9	A		N	2
18.0	17.6	A		K=0.2H	4v
17.6	21.0	H		K=H	2
17.8	23.1	A		K=H	1
18.0	23.7	A		K=H	1
18.9	8.4	F	1242	K=H	3
19.3	12.3	H		N	1
19.3	12.9	H		N	1
19.2	13.5	I		K=H	2
19.1	20.9	A		N	2
20.3	7.4	F	1243	K=H	3
20.2	13.6	H		N	1
20.1	16.4	F	1244	K=H	1
21.1	9.3	H		N	1
22.0	11.0	I		K=H	2
21.9	15.4	I		K=H	2
22.6	16.3	I		K=H	2
23.0	16.7	A		N	2
22.7	18.0	A		N	2
23.6	8.9	I		K=H	3

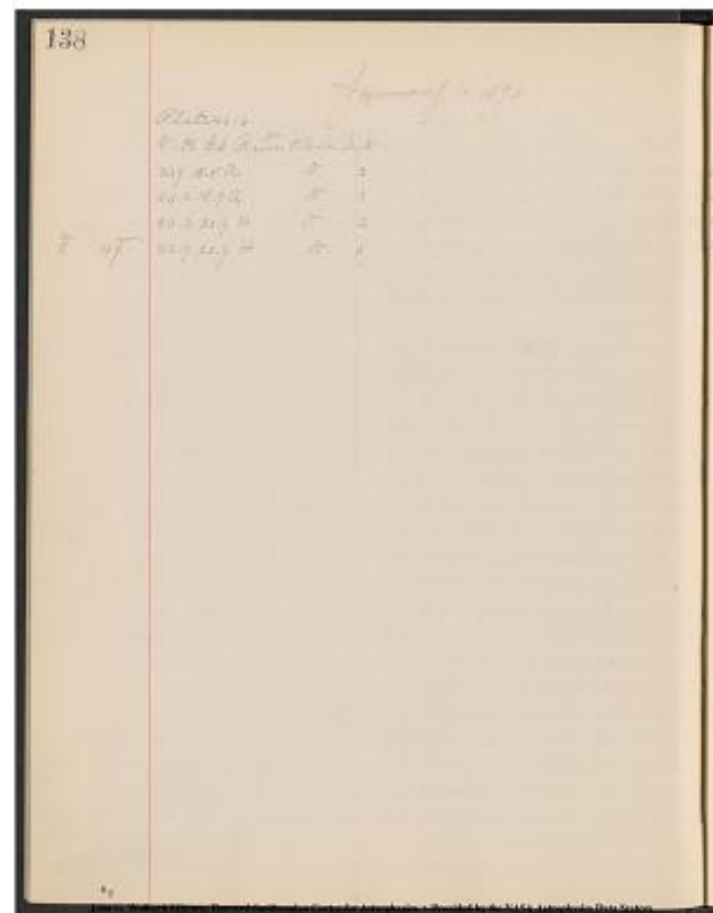
[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
Transcribed and Reviewed by Digital Volunteers  
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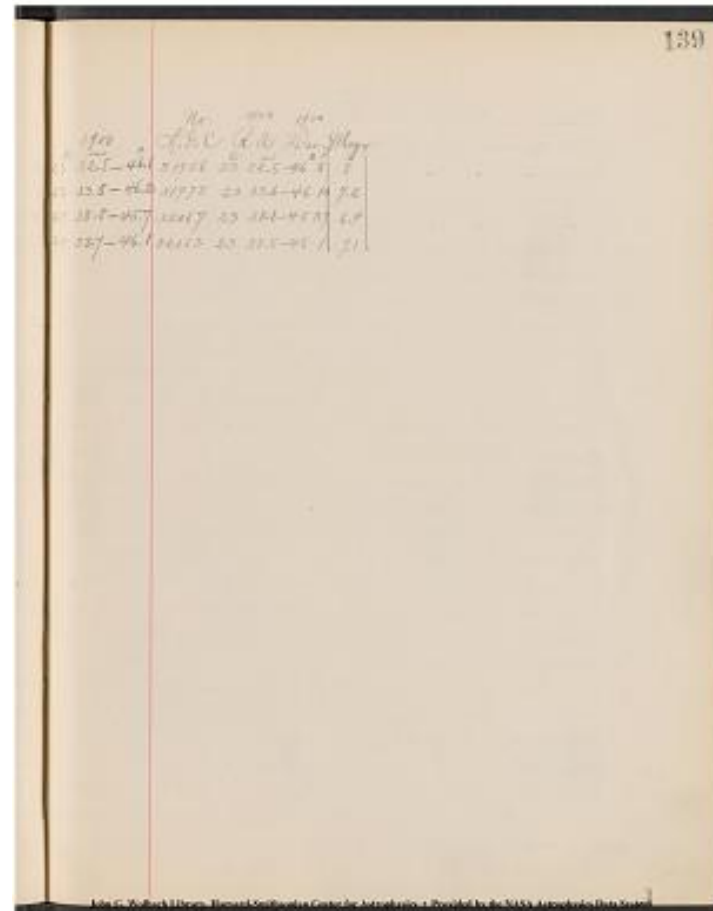


[[preprinted]]138[[/preprinted]]  
 January 16, 1893  
 Plate 46 16  
 [[table]]  
 |V|H|Cl|Rem. No.|K line|Int|  
 |---|---|---|---|---|  
 23.9|18.5|A| |N|3|  
 24.2|18.9|A| |N|1|  
 23.2|20.4|H| |N|2|  
 |^[[h]] 49^[[m]] 23.9|20.4|H| |N|1|  
 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]139[[/preprinted]]  
[[table]]  
1900	A.G.C. No.	R.A. 1900	Dec. 1900	Magn
23<sup>h</sup>|32.5<sup>m</sup>|46<sup>s</sup>|.1|31956|23<sup>h</sup>|  
32.5<sup>m</sup>|46<sup>s</sup>|8<sup>s</sup>|  
23 33.5-46.2|31975|23 33.6|-46 10|7.2|  
23 28.8-45.7|32067|23 38.6|-45 39|6.4|  
23 38.7-46.1|32063|23 38.5|-46 1|7.1|  
[[/table]]



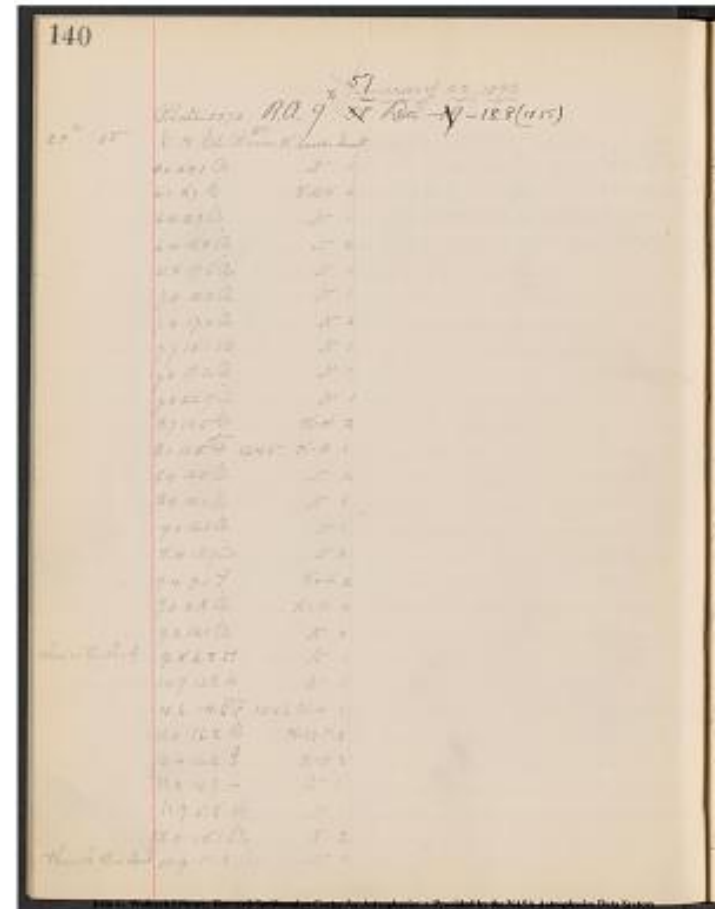
Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
Transcribed and Reviewed by Digital Volunteers  
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[[preprinted]]140[[/preprinted]]

[[underlined]]January 22, 1893[[/underlined]]

Plate 5873 R.A. 9<sup>h</sup>[[h]] ~~58~~[[/del]]57<sup>m</sup>[[m]] Dec.-  
~~19~~[[/del]]18.8(1855)  
23<sup>h</sup>[[h]] 50<sup>m</sup>[[m]]

[[table]]			
V	H	C	Rem. No.   K line   Int
4.0	23.1	A	N   1
6.1	8.4	G	K=1.5H   3
6.4	13.9	A	N   1
6.4	18.8	A	N   2
5.8	19.6	A	N   1
7.3	13.5	A	N   1
7.4	17.0	A	N   3
7.7	18.1	H	N   1
7.6	19.2	A	N   1
7.3	22.9	A	N   1
8.4	10.5	G	K=H   2
8.1	11.5	F	1245   K=H   1
8.4	12.5	A	N   2
8.4	14.1	A	N   2
9.0	16.0	A	N   1
8.4	18.7	A	N   2
9.4	9.1	I	K=H   2
9.3	11.8	A	K=H   3
9.3	13.1	A	N   1
[[Where is this star?]]9.8 6.8 H   N 1			
10.9	13.8	H	N   1
10.6	14.6	F	1246   K=H   1
11.0	16.2	A	K=0.3H   3
10.4	16.3	I	K=H   3
11.2	10.9	H	N   1
11.9	5.8	H	N   1
12.0	15.1	A	N   2
[[Where is this star?]]11.9 11.3 A   N 1			
[[/table]]			



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]141[[/preprinted]]  
 [[table]]  
 [[(strickethrough)]1900[/strickethrough]]1855[[/strickethrough]]A.G.C.  
 No. [[/strickethrough]]BD No. [[/strickethrough]]R.A. 1900[[/strickethrough]]R.A.  
 (1855) [[/strickethrough]]Dec. 1900 [[/strickethrough]]Dec. |Magn.|  
 ---|---|---|---|  
 [[(strickethrough)]9 44.5-14.2[/strickethrough]]10^[[h]] 14.2^[[m]] -  
 13.1^[[0]]-13[[symbol - degree symbol]] 3097|10^[[h]] 14.2^[[m]]-  
 13[[symbol - degree symbol]] 3^|6.5|  
 9 44.5 -14.2|-14 2963|9 44.5|-14 10|5.0|  
 9 55.1 -14.3|-14 3005|9 55.1|-14 20|7.5|  
 10 5.5 -14.4|-14 3054|10 5.4|-14 21|7.0|  
 10 7.0 -14.0|-14 3062|10 7.0|-14 1|7.9|  
 9 54.5 -14.8|-14 3002|9 54.4|-14 45|7.7|  
 10 1.7 -14.9|-14 3036|10 1.6|-14 54|6.5|  
 10 3.9 -15.0|-14 3046|10 3.9|-14 60|7.2|  
 10 6.4 -15.0|-14 3059|10 6.3|-14 59|8.3|  
 10 14.0 -14.8|-14 3093|10 13.8|-14 46|7.0|  
 9 48.1 -15.5|-15 2929|9 48.1|-15 31|7.2|  
 9 50.0^[[7?]]-15.8| | | |  
 9 52.1 -15.3|-15 2949|9 52.2|-15 19|7.7|  
 9 55.5 -15.3|-15 2966|9 55.5|-15 19|8.3|  
 9 59.6 -15.6|-15 2979|9 59.6|-15 38|8.0|  
 10 5.4 -15.4|-15 3001|10 5.3|-15 22|8.0|  
 9 45.2 -15.8|-15 2920|9 45.1|-15 51|6.5|  
 9 50.7 -15.8|-15 2942|9 50.7|-15 50|7.0|  
 9 53.5 -15.8|-15 2954|9 53.3|-15 48|8.0|  
 9 54.8 -16.6|-16 2943|9 54.7|-16 38|8.0|  
 9 56.5 -16.5|-16 2949|9 56.4|-16 29|8.0|  
 9 59.9 -16.7|-16 2969|10 0.0|-16 44|7.0|  
 10 0.2 -16.4|-16 2974|10 0.2|-16 26|5.3|  
 9 48.7 -16.8|-16 2921|9 48.7|-16 47|7.2|  
 9 38.0 -17.1|-17 2952|9 38.0|-17 2|6.8|  
 [[(underlined)]9 57.8 -17.8^[[.2?]][/underlined]] | | | |  
 [[/table]]



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[[preprinted]]142[[/preprinted]]

January 22, 1893

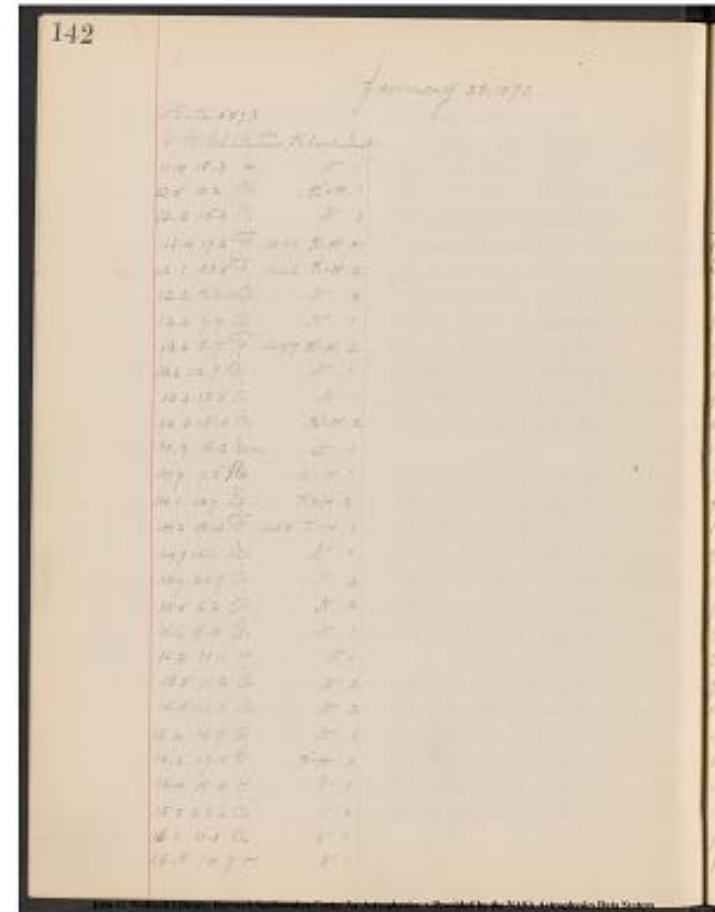
Plate 5873

[[table]]

V|H|Cl|Rem. No.|K line|Int|

11.4	18.3	H		N	1
12.8	10.3	A		K=H	1
12.3	15.0	A		N	3
12.4	17.3	F	1247	K=H	2
12.1	23.0	F	1248	K=H	2
12.2	23.4	A		N	2
13.3	7.9	A		N	1
13.6	8.9	F	1249	K=H	2
13.6	12.9	A		N	1
13.3	13.8	A		N	1
13.3	18.0	A		K=H	2
13.9	18.3	Ma		N	1
14.9	7.8	H		K=H	1
14.1	10.7	I		K=H	3
14.3	19.4	F	1250	K=H	3
14.9	15.1	A		N	1
14.7	20.9	A		N	2
15.8	6.6	A		N	2
15.6	8.0	A		N	1
15.2	10.1	H		N	1
15.5	11.2	A		N	2
15.5	16.5	A		N	2
15.2	16.9	A		N	1
15.5	17.0	G		K=H	2
15.4	19.2	H		N	1
15.8	23.6	A		N	2
15.1	11.0	A		N	1
16.8	12.9	H		N	1

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]143[[/preprinted]]  
[[table]]  
[[~~1900~~1855]]A.G.C. ~~BD. No.~~<sup>[[No.]]</sup>R.A  
[[~~1900~~1855]]Dec. ~~1900~~[[s  
trikethrough]]Magn  
|---|---|---|---|  
10<sup>h</sup>4<sup>m</sup>4.4<sup>s</sup>16.9<sup>s</sup>298910<sup>h</sup>4<sup>m</sup>4.3<sup>s</sup>16.9<sup>s</sup>56'7.7"  
9 47.4-17.6-17 2997 9 47.3-17 35|8.0|  
9 57.2-17.4-17 3046 9 57.1-17 24|8.0|  
9 57.2-17.4-17 3047 9 57.1-17 24|6.8|  
10 2.4-17.4-17 3072 10 2.3-17 26|7.2|  
10 14.2-17.3-17 3029 10 14.1-17 15|6.0|  
10 15.1-17.3-17 3133 10 15.0-17 18|7.2|  
9 42.4-17.8-17 2974 | | |  
9 44.4-18.0-17 2980 9 44.3-17 59|7.2|  
9 53.0-18.0-17 ~~3026~~9 52.9-17  
58|7.8|  
9 54.7-17.8-17 3037 9 54.6-17 51|8.7|  
10 3.6-17.9-17 3078 10 3.6-17 53|7.5|  
10 4.4-18.3-18 2861 10 4.4-18 14|7.0|  
9 42.1-18.6-18 2792 9 42.0-18 38|7.2|  
9 48.0-18.3-18 2810 9 48.0-18 20|5.5|  
10 5.9-18.4-18 2870 10 5.7-18 26|6.8|  
9 57.6-18.7-18 2835 9 57.6-18 43|8.5|  
10 9.7-18.6-18 2885 10 9.6-18 35|7.0|  
9 39.5-19.1-19 2813 9 39.3-19 47|7.0|  
9 42.4-19.0-18 2794 9 42.3-18 58|8.2|  
9 47.0-18.8-18 2806 9 46.7-18 48|7.7|  
9 49.0-19.0-18 2814 9 48.9-18 59|7.5|  
10 0.5-19.0-19 2918 10 0.5-19 07|7.2|  
10 1.2-18.8-18 2848 10 1.2-18 51|8.0|  
10 1.6-19.0-19 2926 10 1.5-19 27|7.2|  
10 6.1-19.0-18 2871 10 6.1-18 58|7.0|  
10 15.2-19.1-19 2987 10 15.3-19 8|6.5|  
9 48.7-19.3-19 2865 9 48.7-19 18|8.0|  
9 52.5-19.7-19 2884 9 52.5-19 40|6.4|  
[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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January 22, 1893

Plate 5873

[[table]]

V|H|Cl|Rem. No.|K line|Int|

16.9|14.4|A| |K = 0.3H|2|

17.8|8.9|A| |N|1|

18.0|16.0|H| |N|1|

18.0|14.7|H| |N|1|

17.4|21.0|F|1251|K=H|2|

17.3|23.5|H| |N|1|

16.6|24.2|A| |N|1|

18.4|9.0|A| |N|1|

18.5|16.5|F|1252|K=H|3|

18.7|23.5|A| |N|1|

19.3|21.4|A| |N|1|

[[Where is this star?]]19.1|8.1|A| |N|1|

21.9|6.2|H| |K=H|1|

21.7|7.0|H| |N|1|

21.1|10.8|A| |K=0.2H|3|

21.3|13.9|A| |N|1|

21.0|16.7|Ma?| |N|1|

21.1|23.3|A| |N|2|

21.7|8.0|A| |N|1|

22.5|13.9|A| |N|1|

22.3|16.3|A| |N|1|

23.4|6.4|A| |N|1|

24.0|12.0|A| |N|3|

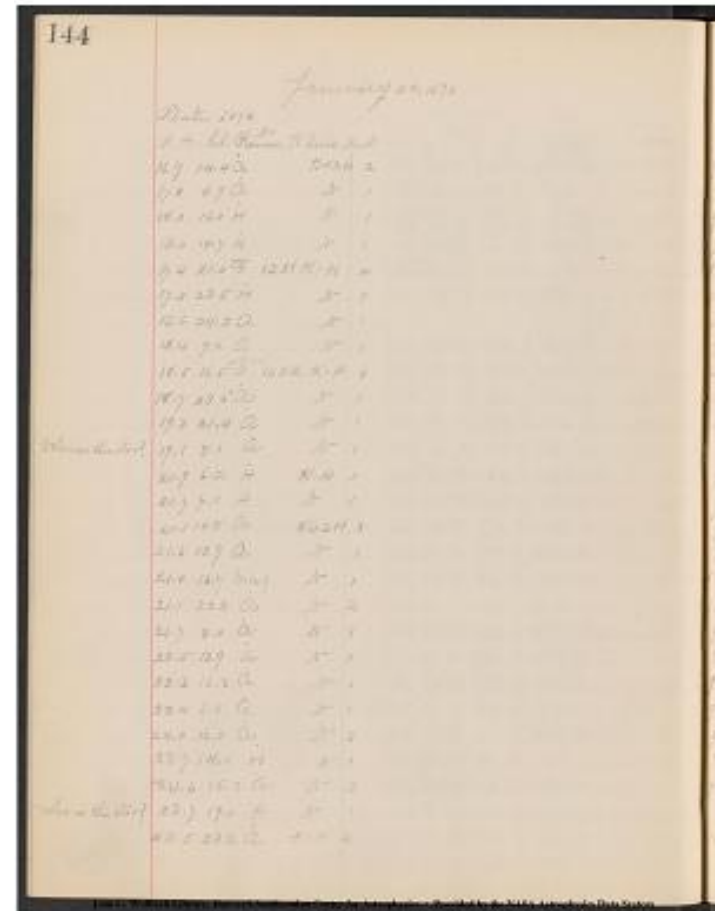
23.7|14.1|H| |N|1|

24.6|15.3|A| |N|3|

[[Where is this star?]]23.7|19.0|H| |N|1|

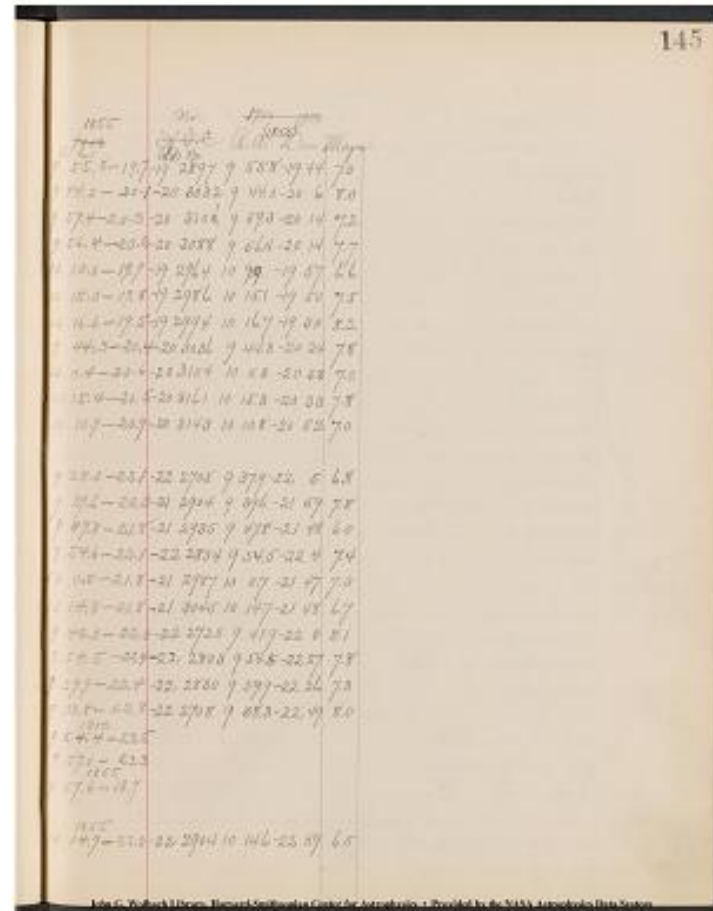
23.5|23.2|A| |K=H|2|

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]145[[/preprinted]]  
 [[table]]  
 [[(1900)1855]A.G.C. (1855)BD. No. (1900)R.A.  
 (1900)(1855)Dec. (1900)M<sub>g</sub>  
 |---|---|---|---|  
 9<sup>h</sup> 55.8<sup>m</sup> 19.7-19 2897 9 55.8-19 44 7.0  
 9 44.0-20.1-20 3032 9 44.0-20 6 8.0  
 9 59.4-20.3-20 310 (1900) 1 9 59.3-20  
 14 7.2  
 9 56.4-20.2-20 3088 9 56.4-20 14 7.7  
 10 10.0-19.9-19 2964 10 9.9-19 57 6.6  
 10 15.0-19.8-19 2986 10 15.1-19 50 7.5  
 10 16.6-19.5-19 2994 10 16.7-19 30 8.2  
 9 44.3-20.4-20 3036 9 44.3-20 24 7.8  
 10 0.4-20.6-20 3104 10 0.3-20 33 7.0  
 10 15.4-20.5-20 3161 10 15.3-20 33 7.8  
 10 10.9-20.9-20 3143 10 10.8-20 52 7.0  
 9 38.0-22.1-22 2705 9 37.9-22 5 6.8  
 9 39.6-22.0-21 2904 9 39.6-21 59 7.8  
 9 47.8-21.8-21 2935 9 47.8-21 48 6.0  
 9 54.6-22.1-22 2804 9 54.5-22 4 7.4  
 10 0.8-21.8-21 2987 10 0.7-21 47 7.0  
 10 14.8-21.8-21 3045 10 14.7-21 48 6.7  
 9 42.0-22.0-22 2725 9 41.9-22 0 8.1  
 9 54.5-22.4-22 2803 9 54.5-22 27 7.8  
 9 59.9-22.4-22 2830 9 59.9-22 26 7.3  
 9 38.4-22.8-22 2708 9 38.3-22 49 8.0  
 9<sup>h</sup> (1900) 54.4-23.5 | | | |  
 9 57.0-23.3 | | | |  
 9<sup>h</sup> (1855) 57.6-18.7 | | | |  
 10<sup>h</sup> (1855) 14.7-23.0-22 2904 10 14.6-22 59 6.5  
 [[/table]]



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Plate 5895 R.A. 11 ~~[[/strikethrough]]16[[/strikethrough]]17 Dec. -~~

~~[[/strikethrough]]19[[/strikethrough]]-188(1855)~~

[[table]]

V|H|C|Rem. No.|K line|Int|

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

X5.0|15.4|H| |N|1|

X5.0|22.3|A| |N|3|

X5.4|12.5|L| |K=1.3H|4|

6.9|9.9|A| |K=H|1|

6.3|24.0|A| |N|2|

8.0|7.1|A| |N|1|

7.2|16.2|H| |N|1|

[[Shouldn't this be 16.6^[[H]]?]]7.7|6.6|A| |N|2|

7.0|19.6|A| |N|1|

8.0|19.5|H| |N|1|

9.0|6.3|H| |N|1|

8.6|10.7|A| |K=H|1|

8.2|14.1|A| |N|1|

9.0|14.3|F|1253|K=H|1|

9.0|17.0|H| |N|1|

8.4|19.1|G| |K=H|3|

9.7|10.0|H| |K=H|2|

9.6|20.6|F|1254|K=H|2|

9.9|21.1|A| |N|1|

9.2|22.2|Ma| |N|2|

9.4|22.9|H| |N|1|

10.0|23.3|F|1255|K=H|1|

10.2|8.5|A| |K=H|1|

11.0|14.5|H| |N|1|

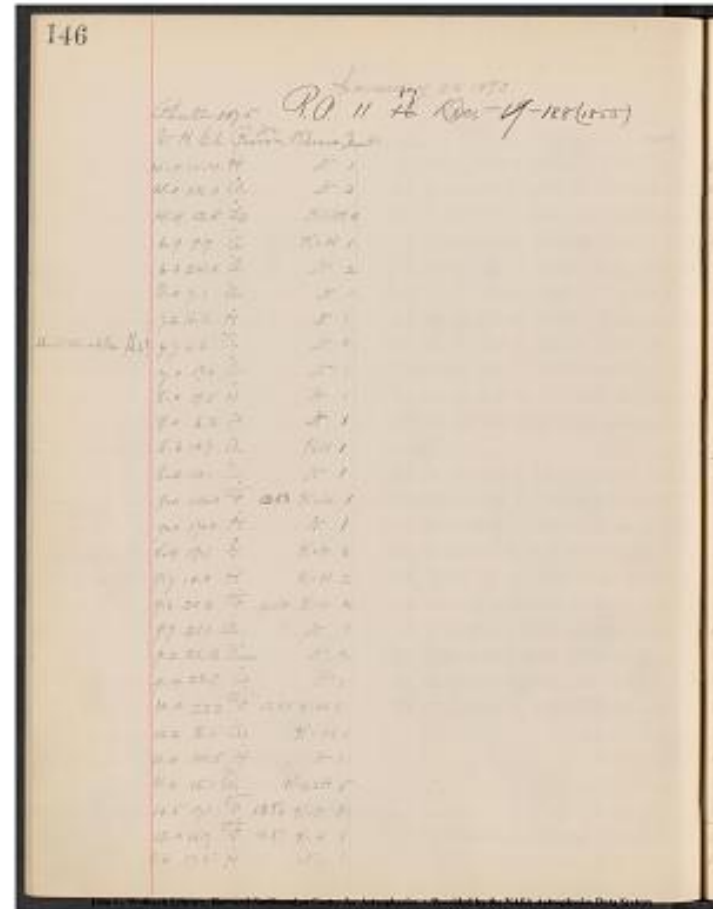
11.0|15.1|A| |K=0.3H|5|

10.5|17.1|F|1256|K=H|2|

12.0|15.7|F|1257|K=H|1|

11.6|17.5|H| |N|1|

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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[[preprinted]]147[[/preprinted]]  
[[table]]  
[[[~~1900~~][~~1855~~][~~A.G.C~~][~~BD. No.~~][~~No.~~][~~R.A~~][~~1900~~][~~1855~~][~~Dec.~~][~~1900~~][~~Magn~~]]  
|---|---|---|---|  
|11<sup>h</sup>|18.5<sup>m</sup>|13.7<sup>s</sup>|13<sup>h</sup>|13.44|7.2|  
|11 32.5-13.7|-13 3420|11 32.5|-13 40|6.5|  
|11 12.1-14.0|-13 3345|11 12.1|-13 60|3.8|  
|11 6.9-14.7|-14 3289|11 6.8|-14 39|8.0|  
|11 36.1-14.3|-14 3388|11 36.2|-14 14|7.0|  
|11 1.2-15.2|-15 3206|11 1.1|-15 11|7.9|  
|11 19.9-14.8|-14 3326|11 19.9|-14 51|7.5|  
|11[[~~26.9-15.3~~][~~21.0-15.1~~]-15 3272|11  
20.9|-15 5|7.0|  
11 27.0-14.7	-14 3349	11 27.0	-14 42	8.0
11 27.0-15.3	-15 3297	11 26.8	-15 15	6.8
10 59.4-15.7	-15 3196	10 59.2	-15 45	7.7
11 8.5-15.6	-15 3226	11 8.4	-15 34	9.3
11 8.5-15.6	-15 3227	11 8.4	-15 34	8.1
11 15.5-15.4	-15 3255	11 15.5	-15 22	7.7
11 15.7-15.8	-15 3256	11 15.8	-15 49	8.0
11 21.6-15.8	-15 3275	11 21.6	-15 48	7.5
11 26.0-15.5	-15 3295	11 25.9	-15 29	6.2
11 7.0-16.1	-16 3210	11 7.0	-16 6	7.5
11 29.2-16.1	-16 3290	11 29.2	-16 3	7.0
11 30.2-16.1	-16 3293	11 30.3	-16 8	8.3
11 32.5-15.8	-15 3323	11 32.5	-15 49	6.3
11 34.0-15.9	-15 3330	11 33.9	-15 53	7.7
11 34.7-16.2	-15 3308	11 34.7	-16 13	7.5
11 3.9-16.4	-16 3200	11 3.9	-16 21	7.7
11 16.4-16.8	-16 3238	11 16.3	-16 49	8.0
11 17.7-16.9	-16 3244	11 17.6	-16 53	4.2
11 22.0-16.6	-16 3258	11 22.0	-16 33	8.8
11 22.0-16.6	-16 3259	11 22.0	-16 34	8.8
11 19.1-17.3	-17 3379	11 19.1	-17 18	8.3
11 22.7-17.1	-17 3398	11 22.7	-17 5	7.7
[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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[[preprinted]]148[[/preprinted]]

January 22, 1893

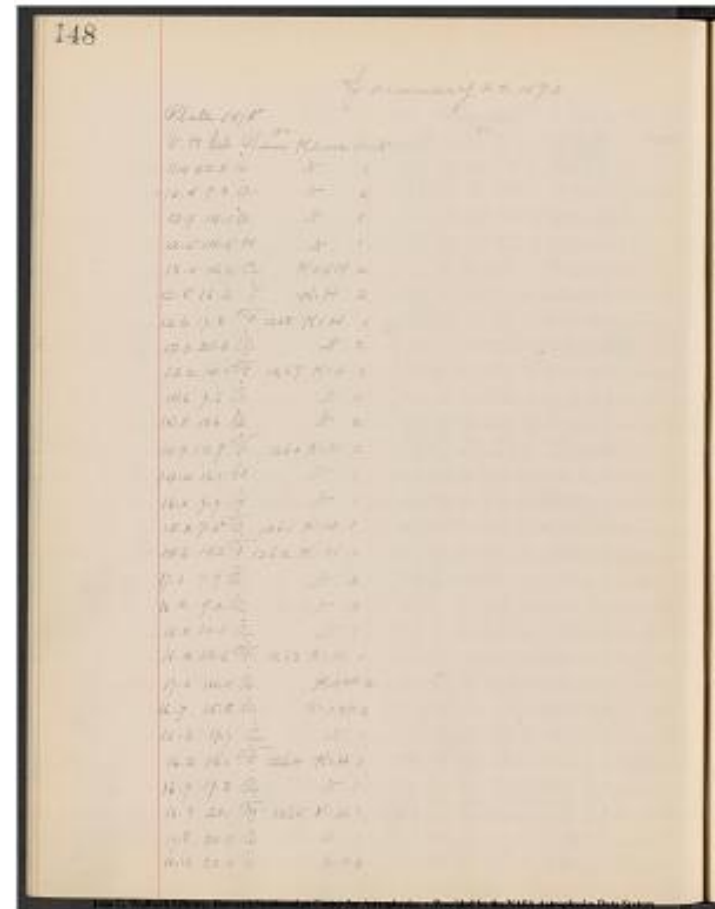
Plate 5875

[[table]]

V|H|Cl|Rem. No.|K line|Int|

11.4	22.8	H	N 1
12.8	9.3	A	N 3
12.9	14.0	A	N 1
12.5	14.5	H	N 1
13.0	15.2	A	K=0.5 H 2
12.8	16.2	I	K=H 2
12.6	17.3	F	1258 K=H 1
12.3	21.3	A	N 2
13.2	14.5	F	1259 K=H 3
14.6	7.6	A	N 2
15.0	10.6	A	N 2
14.9	12.9	F	1260 K=H 2
14.2	16.1	H	N 1
16.0	7.7	H	N 1
15.3	9.5	F	1261 K=H 1
15.6	14.2	F	1262 K=H 1
17.0	7.9	A	N 2
16.2	9.2	A	N 2
16.8	10.0	A	N 1
16.3	12.6	F	1263 K=H 1
17.0	14.4	A	K=0.4 H 2
16.9	15.8	A	K=0.3 H 3
16.3	17.7	A	N 1
16.2	18.1	F	1264 K=H 1
16.9	19.3	A	N 1
16.9	20.1	F	1265 K=H 1
17.8	20.9	A	N 1
16.4	23.3	G	K=H 3

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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Transcribed and Reviewed by Digital Volunteers  
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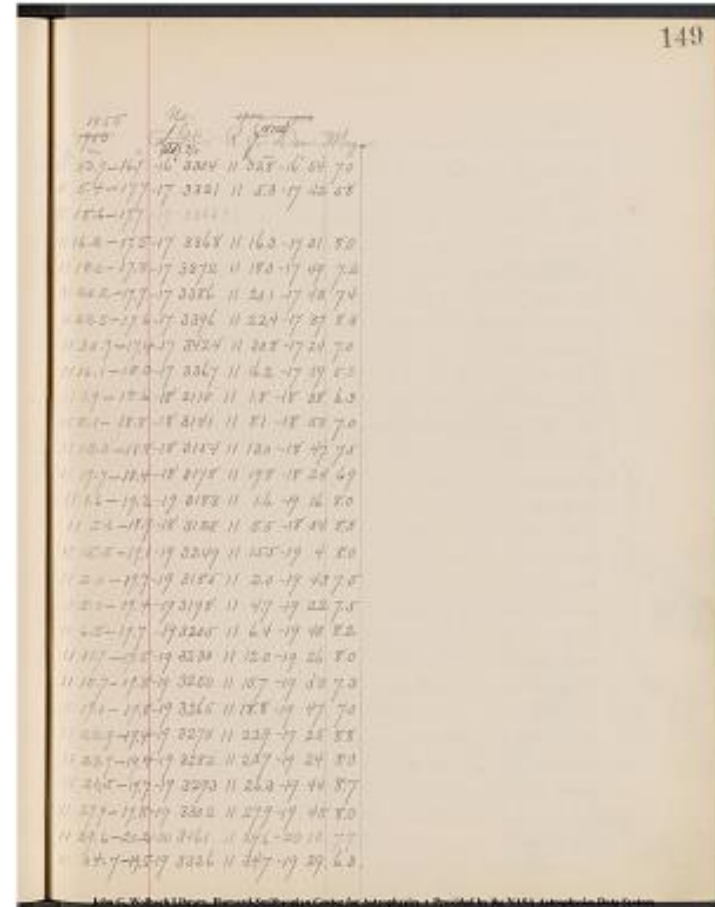
[[preprinted]]149[[/preprinted]]

[[table]]

[[~~1900~~1900~~1855~~1855]No.~~A.G.C.~~~~BD.No.~~1900  
1900~~(1855)~~R.A. Dec. | Magn]

11 33.9-16.9 -16 3304 11 33.8 -16 54 7.0	
11 5.4-17.7 -17 3321 11 5.3 -17 42 5.8	
11 15.6-17.7 -17 3366?	
11 16.2-17.5 -17 3368 11 16.3 -17 31 8.0	
11 18.0-17.8 -17 3372 11 18.0 -17 49 7.2	
11 20.2-17.7 -17 3386 11 20.1 -17 43 7.4	
11 22.5-17.6 -17 3396 11 22.4 -17 37 8.3	
11 30.9-17.4 -17 3424 11 30.8 -17 24 7.0	
11 16.1-18.0 -17 3367 11 16.2 -17 59 5.3	
11 1.9-18.8 -18 3141 11 8.1 -18 50 7.0	
11 13.0-18.8 -18 3154 11 13.0 -18 47 7.5	
11 19.7-18.4 -18 3178 11 19.8 -18 24 6.9	
11 1.6-19.3 -19 3183 11 1.6 -19 16 8.0	
11 5.6-18.9 -18 3128 11 5.5 -18 54 8.3	
11 15.5-19.1 -19 3249 11 15.5 -19 4 8.0	
11 2.0-19.7 -19 3185 11 2.0 -19 43 7.5	
11 5.0-19.4 -19 3198 11 4.7 -19 22 7.5	
11 6.5-19.7 -19 3205 11 6.4 -19 40 8.2	
11 11.9-19.5 -19 3230 11 12.0 -19 26 8.0	
11 15.7-19.8 -19 3250 11 15.7 -19 50 7.3	
11 19.0-19.8 -19 3265 11 18.8 -19 47 7.0	
11 22.9-19.4 -19 3275 11 22.9 -19 25 8.8	
11 23.7-19.4 -19 3282 11 23.7 -19 24 8.0	
11 26.5-19.7 -19 3293 11 26.3 -19 44 8.7	
11 27.9-19.8 -19 3302 11 27.9 -19 45 8.0	
11 29.6-20.2 -20 3461 11 29.6 -20 10 7.7	
11 34.7-19.5 -19 3326 11 34.7 -19 29 6.3	

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]150[[/preprinted]]

January 22, 1893

Plate 5875

[[table]]

V|H|Cl|Rem. No.|K line|Int|

18.0|24.1|F|1266|K=H|2|

17.3|24.4|A| |N|2|

17.2|11.3|H| |N|1|

17.4|11.9|A| |K=H|1|

17.8|12.8|F|1267|K=H|1|

17.3|18.5|F|1268|K=H|3|

18.3|6.8|A| |N|2|

19.0|7.6|H| |N|1|

18.3|14.9|F|1269|K=H|1|

18.5|16.1|A| |N|3|

18.5|17.5|A| |K=H|1|

18.2|21.8|A| |N|2|

19.4|9.6|H| |K=H|2|

20.0|13.9|A| |N|2|

19.9|15.0|H| |N|1|

20.7|12.1|A| |N|1|

20.6|17.1|H| |N|1|

21.4|9.3|A| |N|4|

[[Where is this star?]]21.1|10.2|A| |K=H|2|

21.6|11.1|A| |K=0.4H|2|

21.4|15.2|A| |K=0.5H|2|

21.1|15.9|A| |N|1|

21.7|20.9|A| |N|2|

[[Where is this star?]] 20.7|19.0|A| |N|2|

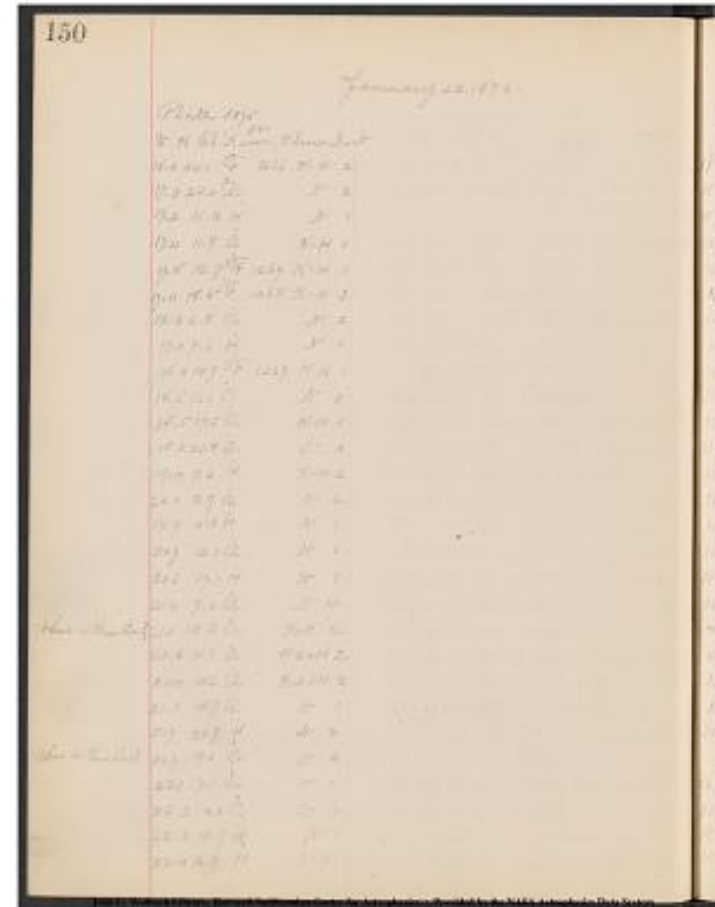
23.1|7.1|A| |N|1|

23.3|14.3|A| |N|1|

23.2|14.7|H| |N|1|

23.4|16.9|H| |N|1|

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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[[preprinted]]151[[/preprinted]]  
 [[table]]  
 [[(strickethrough)]1900[[/strickethrough]]1855|A.G.C. No.|R.A. 1900|Dec.  
 1900|Magn|  
 |---|---|---|---|  
 11^[[h]]36.5^[[m]]-20^[[symbol-degree symbol]].2|-20 3492|11 36.5|-20  
 14|7.3|  
 11 37.2-19.9|-19 3333|11 37.1|-19 53|7.2|  
 11 9.2-19.9|-19 3215|11 9.1|-19 54|7.6|  
 11 10.4-20.0|-19 3221|11 10.3|-19 58|8.2|  
 11 12.6-20.2|-20 3399|11 12.6|-20 11|8.3|  
 11 24.5-20.0|-19 3285|11 24.6|-19 58|6.3|  
 10 59.5-20.4|-20 3347|10 59.4|-20 23|7.0|  
 11 1.2-20.7|-20 3352|11 1.0|-20 44|7.7|  
 11 16.6-20.5|-20 3409|11 16.6|-20 28|8.0|  
 11 19.4-20.6|-20 3420|11 19.4|-20 33|7.0|  
 11 22.5-20.5|-20 3435|11 22.5|-20 32|8.2|  
 11 31.6-20.4|-20 3471|11 31.6|-20 22|7.5|  
 11 5.6-21.0|-20 3374|11 5.4|-20 58|6.5|  
 11 14.7-21.3|-21 3292|11 14.6|-21 18|7.0|  
 11 17.2-21.3|-21 3300|11 17.2|-21 18|7.5|  
 11 10.9-21.7|-21 3282|11 10.8|-21 39|8.0|  
 11 21.6-21.6|-21 3316|11 21.6|-21 36|7.5|  
 11 4.6-22.0|-22 3095|11 4.5|-22 2|4.8|  
 [[(strickethrough)]11[[/strickethrough]] | | |  
 11 8.5-22.1|-22 3104|11 8.6|-22 7|7.1|  
 11 17.6-22.1|-22 3136|11 17.6|-22 2|7.7|  
 11 19.0-21.9|-21 3308|11 19.0|-21 53|7.7|  
 11 29.9-22.2|-22 3179|11 29.7|-22 9|6.7|  
 10 59.7-22.8|-22 3080|10 59.8|-22 46|7.8|  
 11 15.5-22.9|-22 3127|11 15.4|-22 56|8.0|  
 11 16.1-22.9|-22 3129|11 16.1|-22 54|7.3|  
 11 21.2-23.0| | | |  
 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]152[[/preprinted]]

January 22, 1893

Plate 5875

[[table]]

|V|H|Cl|Rem. No.|K line|Int|

-----|-----|-----|  
24.5|12.5|H| |N|1|

[[/table]]

O<sup>h</sup> 40<sup>m</sup> -51<sup>°</sup>

Plate 5628

[[table]]

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

[[/strikethrough]]1[[/strikethrough]]5.3|13.9|L| |K=1.2H|3|

[[/strikethrough]]1[[/strikethrough]]6.5|16.4|I| |K=H|2|

[[/strikethrough]]1[[/strikethrough]]6.1|21.3|I| |K=H|3|

[[/strikethrough]]1[[/strikethrough]]6.7|22.3|G| |K=H|4|

[[/strikethrough]]1[[/strikethrough]]6.8|23.2|A| |K=H|2|

7.1|11.1|A| |K=H|2|

7.9|18.5|F|1270|K=H|2|

9.0|12.0|F|1271|K=H|3|

8.1|15.3|G| |K=1.2H|3|

8.5|22.3|A| |N|1|

9.5|10.3|A| |K=H|3|

9.7|15.3|H| |N|1|

9.2|21.6|H| |N|1|

16.6|10.7|A| |K=0.2H|4|

10.7|15.2|A| |K=H|1|

10.6|18.0|H| |K=H|1|

11.3|12.4|G| |K=H|2|

11.7|14.9|A| |K=0.3H|2|

12.4|15.0|A| |N|2|

13.2|6.6|H| |N|1|

14.1|10.0|I| |K=H|2|

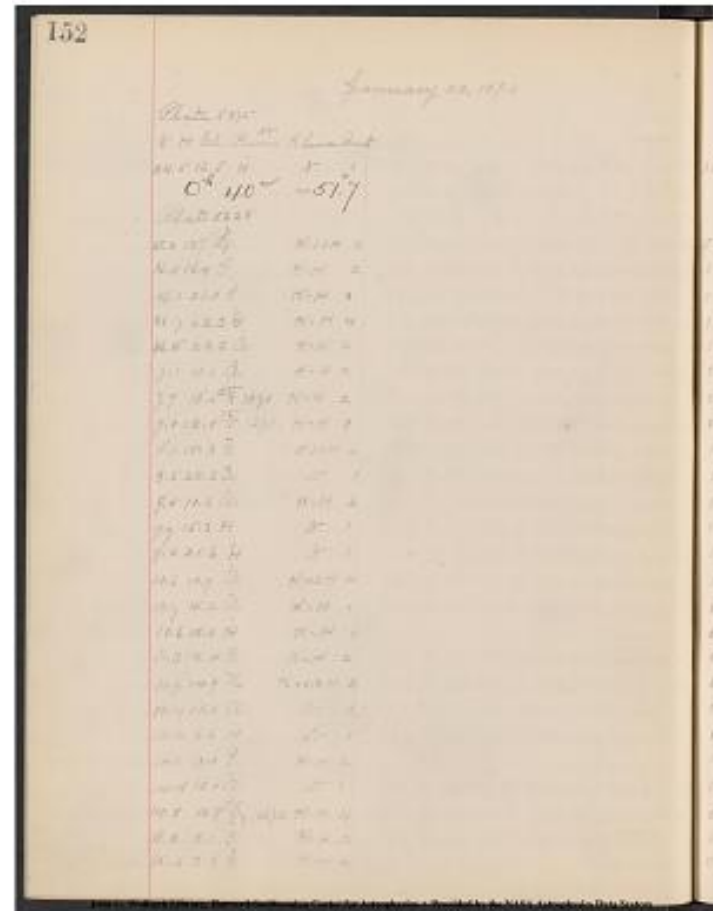
14.4|13.0|A| |N|1|

14.8|16.9|F?|1272|K=H|4|

15.2|8.1|I| |K=H|2|

15.2|8.8|G| |K=H|2|

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]153[[/preprinted]]

[[table]]

1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.|R.A.|Dec.|Magn|

11^[[h]] 13.6^[[m]] -23.9^[[s]] 15479|11^[[h]] 13.6^[[m]] -23° 48'6.9| | |

0 36.7 -46.7	626	0 36.6 -46 38	4.7						
0 44.4 -47.2	745	0 44.3 -47 15	6.6						
0 58.2 -46.9	965	0 58.3 -46 56	5.9						
1 1.7 -47.2	1024	1 1.6 -47 15	3.3						
1 4.2 -47.2	1065	1 4.1 -47 12	7						
0 28.0 -47.6	469	0 28.4 -47 30	8						
0 50.5 -47.9	844	0 50.6 -47 57	6.8						
0 30.4 -48.6	519	0 30.9 -48 33	5.6						
0 41.4 -48.1	702	0 41.1 -48 6	6.2						
1 2.0 -48.2	1032	1 1.9 -48 8	8						
0 25.5 -48.8	427	0 25.6 -48 46	5.7						
0 41.4 -48.9	703	0 41.1 -48 51	8.2						
1 0.0 -48.5	990	0 59.9 -48 29	7						
0 26.5 -49.4	1462	0 27.0 -49 35	4.0						
0 40.7 -49.4	691	0 40.7 -49 23	7.5						
0 49.4 -49.4	822	0 49.4 -49 20	6.7						
0 31.6 -49.7	539	0 31.8 -49 41	6.9						
0 39.4 -49.9	668	0 39.6 -49 56	6.9						
0 39.6 -50.3	670	0 39.8 -50 15	7.5						
0 13.1 -50.5	209	0 13.4 -50 28	7.8						
0 23.5 -51.1	389	0 23.5 -51 11	8.8						
0 33.0 -51.3	565	0 33.4 -51 17	8						
0 46.1 -51.5	769	0 46.1 -51 32	5.6						
0 17.5 -51.6	283	0 17.4 -51 33	6.7						
0 19.9 -51.7	324	0 19.8 -51 36	6.8						

[[/table]]

Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
Transcribed and Reviewed by Digital Volunteers  
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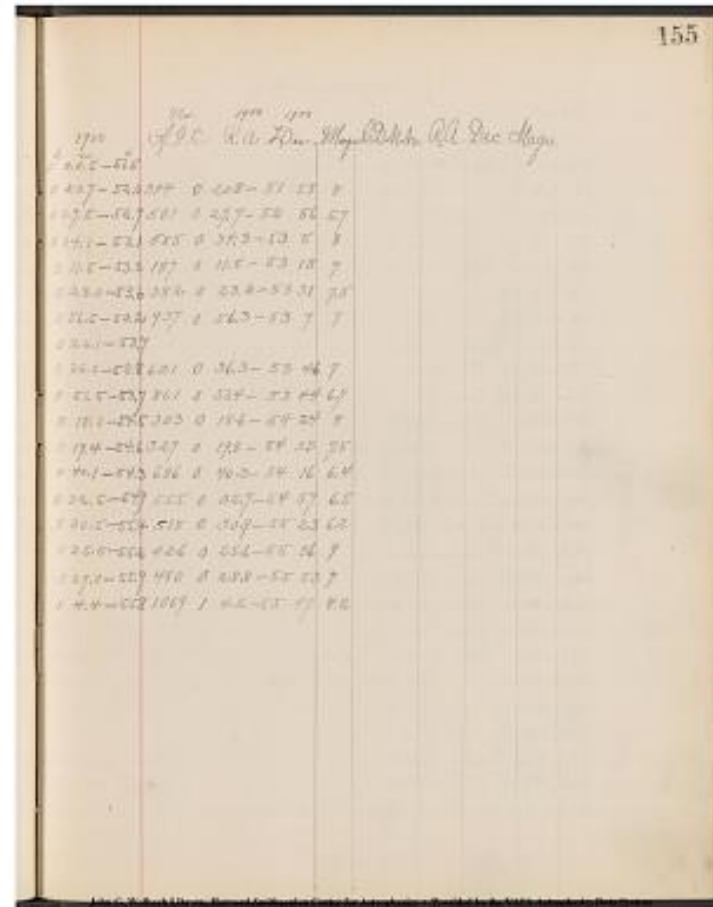
[[preprinted]] 154[[/preprinted]]  
 January 22, 1893  
 Plate 5628

[[table]]				
V	H	Cl	Rem. No.	K line
15.0	9.1	F	1273	K=H 1
15.9	9.2	H		N 1
17.6	12.0	F	1274	K=H 3
17.9	13.4	H		N 1
18.6	6.9	F	1275	K=H 2
18.9	10.1	H		N 1
18.2	19.9	A		K=H 2
19.2	11.2	A		N 2
19.3	14.0	F	1276	K=H 1
19.3	18.4	I		K=H 1
20.8	8.9	A		N 1
21.0	9.2	H		N 1
20.2	15.1	F	1277	K=H 3
[[21.7 13.0?]] 11.7 12.3 F  K=H 3]				
22.5	12.0	I		K=H 2
22.9	11.1	A		N 1
23.6	12.0	A		N 2
[[0^[[h]] 56^[[m]]]] 23.6 21.8 A  N 5]				
[[/table]]				

154				
Plate 5628				
Jan 22 1893				
15.0	9.1	F	1273	K=H 1
15.9	9.2	H		N 1
17.6	12.0	F	1274	K=H 3
17.9	13.4	H		N 1
18.6	6.9	F	1275	K=H 2
18.9	10.1	H		N 1
18.2	19.9	A		K=H 2
19.2	11.2	A		N 2
19.3	14.0	F	1276	K=H 1
19.3	18.4	I		K=H 1
20.8	8.9	A		N 1
21.0	9.2	H		N 1
20.2	15.1	F	1277	K=H 3
[[21.7 13.0?]] 11.7 12.3 F  K=H 3]				
22.5	12.0	I		K=H 2
22.9	11.1	A		N 1
23.6	12.0	A		N 2
[[0^[[h]] 56^[[m]]]] 23.6 21.8 A  N 5]				
[[/table]]				

Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
 (South Draper Catalog) #62  
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[[preprinted]]155[[/preprinted]]  
[[table]]  
1900|A.G.C No.|R.A 1900|Dec. 1900|Magn.|C.D.M. No.|R.A|  
Dec.|Magn.|  
---|---|---|---|---|---|---|  
0<sup>h</sup> 20.5<sup>m</sup> -51.5<sup>s</sup> | | | | | | |  
0 20.7-52.0|344|0 20.8|-51 58|8| | | | |  
0 29.5-52.9|501|0 29.7|-52 56|5.7| | | | |  
0 34.1-53.1|585|0 34.3|-53 5|8| | | | |  
0 11.5-53.3|187|0 11.8|-53 13|7| | | | |  
0 23.0-53.6|382|0 23.2|-53 31|7.5| | | | |  
0 56.5-53.2|937|0 56.3|-53 7|7| | | | |  
0 26.1-53.7| | | | | | |  
0 36.0-53.8|621|0 36.3|-53 46|7| | | | |  
0 51.5-53.7|861|0 51.4|-53 44|6.9| | | | |  
0 18.0-54.5|303|0 18.6|-54 24|8| | | | |  
0 19.4-54.6|327|0 19.8|-54 33|7.5| | | | |  
0 40.1-54.3|686|0 40.3|-54 16|6.4| | | | |  
0 32.5-54.9|555|0 32.7|-54 57|6.5| | | | |  
0 30.5-55.4|518|0 30.9|55 23|6.2| | | | |  
0 25.5-55.6|426|0 25.6|-55 36|9| | | | |  
0 29.0-55.9|480|0 28.8|-55 53|7| | | | |  
1 4.4-55.8|1069|1 4.2|-55 47|4.2| | | | |  
[[/table]]



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[[preprinted]]156[[/preprinted]]  
 [[underlined]]January 26, 1893[[/underlined]]  
 22<sup>h</sup>[[h]] 10<sup>m</sup>[[m]] Plate 5666 R.A. 1<sup>h</sup>[[h]] 22<sup>m</sup>[[m]] Dec. -51<sup>°</sup>[[symbol-degree symbol]]3

[[table]]			
V	H	Cl	Rem. No.   K line   Int
4.2	10.5	F	1278   K=H   3
4.2	16.2	A	N   2
5.4	14.9	A	N   1
5.7	23.9	Ma	N   2
6.7	7.5	G	K=1.5   3
6.7	8.4	A	K=H   1
6.4	15.5	Ma	N   1
8.8	18.5	F	1279   K=H   1
8.7	22.5	H	K=H   2
9.2	7.2	H	N   1
10.3	12.6	F	1280   K=H   1
10.8	15.1	G	K=H   2
10.8	16.1	G	K=1.5   3
10.4	18.0	H	K=H   2
10.4	18.7	A	N   2
10.3	19.1	H	N   1
12.0	12.8	H	N   1
12.3	13.0	F	1281   K=H   3
12.6	16.2	F	1282   K=H   2
12.2	16.6	F	1283   K=H   3
12.9	19.5	A	N   3
12.8	24.2	A	N   3
13.8	10.8	H	N   1
13.9	16.4	F	1284   K=H   1
13.6	16.9	H	N   1
13.9	21.8	A	N   2
13.3	22.5	A	N   3
14.3	10.7	A	K=H   1
[[/table]]			

156	
25 10	Plate 5666 R.A. 1 22 Dec. -51.3
4.2 10.5 F	1278 K=H 3
4.2 16.2 A	N 2
5.4 14.9 A	N 1
5.7 23.9 Ma	N 2
6.7 7.5 G	K=1.5 3
6.7 8.4 A	K=H 1
6.4 15.5 Ma	N 1
8.8 18.5 F	1279 K=H 1
8.7 22.5 H	K=H 2
9.2 7.2 H	N 1
10.3 12.6 F	1280 K=H 1
10.8 15.1 G	K=H 2
10.8 16.1 G	K=1.5 3
10.4 18.0 H	K=H 2
10.4 18.7 A	N 2
10.3 19.1 H	N 1
12.0 12.8 H	N 1
12.3 13.0 F	1281 K=H 3
12.6 16.2 F	1282 K=H 2
12.2 16.6 F	1283 K=H 3
12.9 19.5 A	N 3
12.8 24.2 A	N 3
13.8 10.8 H	N 1
13.9 16.4 F	1284 K=H 1
13.6 16.9 H	N 1
13.9 21.8 A	N 2
13.3 22.5 A	N 3
14.3 10.7 A	K=H 1

Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]157[[/preprinted]]  
 [[table]]  
 1900[A.G.C No.]R.A 1900[Dec. 1900[Magn.]C.D.M.  
 No]R.A.[Dec.]Magn.  
 -----  
 1^[[h]] 10.4^[[m]]-46.1^[[symbol-degree symbol]]1174|1^[[h]]  
 10.6^[[m]]-46^[[symbol-degree symbol]]4|5.3| | | |  
 1 27.3-46.1|1469|1 27.4|-46 5|6.3| | | |  
 1 23.0-46.7|1400|1 23.3|-46 40|7.5| | | |  
 1 49.5-46.9|1864|1 49.6|-46 48|4.8| | | |  
 1 1.6-47.3|1024|1 1.6|-47 15|3.3| | | |  
 1 4.4-47.2|1065|1 4.1|-47 12|7| | | |  
 1 25.5-47.3|1430|1 25.3|-47 16|6.6| | | |  
 1 33.7-48.5| | | | | | | |  
 1 46.4-48.4|1806|1 46.3|-48 18|6.4| | | |  
 1 0.2-48.6|990|0 59.9|-48 29|7| | | |  
 1 16.0-49.3|1270|1 16.1|-49 12|7.8| | | |  
 1 24.2-49.6|1415|1 24.1|-49 31|7| | | |  
 1 27.0-49.6|1462|1 27.0|-49 35|4.0| | | |  
 1 32.6-49.4|1575|1 32.7|-49 19|6.9| | | |  
 1 35.0-49.4|1610|1 35.0|-49 17|7.5| | | |  
 1 35.8-49.4|1631|1 36.0|-49 16|7.3| | | |  
 1 16.2-50.1|1276|1 16.4|-50 5|6.6| | | |  
 1 17.0-50.3|1290|1 17.1|-50 16|7| | | |  
 1 27.0-50.5|1465|1 27.1|-50 25|7| | | |  
 1 28.5-50.2|1499|1 28.5|-50 14|6.4| | | |  
 1 37.5-50.6|1665|1 37.7|-50 31|6.7| | | |  
 1 52.3-50.4|1911|1 52.3|-50 20|6.4| | | |  
 1 9.5-51.0| | | | | | | |  
 1 27.5-51.2|14831|1 27.8|-51 5|8.5| | | |  
 1 29.6-51.0| | | | | | | |  
 1 44.7-51.0|1784|1 45.0|-50 58|8| | | |  
 1 47.0-50.8|1816|1 47.1|-50 42|6.1| | | |  
 1 9.0-51.3|1155^[[1155]]|1 9.5|-51 11|8^[[7.8]]| | | |  
 [[/table]]

157

No.	R.A.	Dec.	Magn.	C.D.M.
1174	10h 04m 10.4s	46° 01' 11.74"	11.74	
1065	10h 04m 04.4s	46° 00' 10.65"	10.65	
1469	10h 27m 27.3s	46° 05' 27.3"	14.69	
1400	10h 23m 23.0s	46° 40' 23.0"	14.00	
1864	10h 49m 49.5s	46° 48' 49.5"	18.64	
1024	10h 01m 16.0s	47° 15' 10.24"	10.24	
1065	10h 04m 44.4s	47° 12' 10.65"	10.65	
1430	10h 25m 25.5s	47° 16' 14.30"	14.30	
1337	10h 33m 33.7s	48° 18' 33.7"	13.37	
1806	10h 46m 46.4s	48° 18' 18.06"	18.06	
990	09h 59m 02.2s	48° 29' 09.0"	9.90	
1270	10h 16m 16.0s	49° 12' 12.70"	12.70	
1415	10h 24m 24.2s	49° 31' 14.15"	14.15	
1462	10h 27m 27.0s	49° 35' 14.62"	14.62	
1575	10h 32m 32.6s	49° 19' 15.75"	15.75	
1610	10h 35m 35.0s	49° 17' 16.10"	16.10	
1631	10h 35m 35.8s	49° 16' 16.31"	16.31	
1276	10h 16m 16.2s	50° 05' 12.76"	12.76	
1290	10h 17m 17.0s	50° 16' 12.90"	12.90	
1465	10h 27m 27.0s	50° 25' 14.65"	14.65	
1499	10h 28m 28.5s	50° 14' 14.99"	14.99	
1665	10h 37m 37.5s	50° 31' 16.65"	16.65	
1911	10h 52m 52.3s	50° 20' 19.11"	19.11	
14831	10h 27m 27.5s	51° 05' 14.831"	14.831	
1784	10h 44m 44.7s	50° 58' 17.84"	17.84	
1816	10h 47m 47.0s	50° 42' 18.16"	18.16	
1155	10h 09m 09.0s	51° 11' 11.55"	11.55	

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January 26, 1893

Plate 5666

[[table]]

V|H|Cl|Rem. No.|K line|Int|

14.9	12.0	F	1285	K=H 1	
14.6	13.2	I		K=H 2	
15.0	16.1	E		K=H 1	
14.4	20.8	Ma		N 3	
15.8	15.0	H		N 1	
15.7	15.7	A		N 1	
17.0	12.2	A		K=H 1	
17.0	13.4	A		N 1	
16.6	15.0	F	1286	K=H 1	
16.2	21.7	H		N 1	
16.2	23.9	G		K=1.5H 4	
16.6	24.2	F	1287	K=H 2	
18.4	7.0	F	1288	K=H 2	
17.4	15.7	H		N 1	
17.6	15.9	H		N 1	
19.1	11.2	H		N 1	
20.0	12.8	H		N 1	
19.5	16.3	A		K=H 1	
19.1	17.6	A		K=H 1	
19.1	17.6	H		N 1	
19.6	18.5	F	1289	K=H 3	
19.7	20.7	A		N 3	
20.1	19.6	F	1290	K=H 3	
23.4	9.8	A		N 4	
23.2	23.3	A		N 2	

[[/table]]

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Plate 5666

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14.9	12.0	F	1285	K=H	1
14.6	13.2	I		K=H	2
15.0	16.1	E		K=H	1
14.4	20.8	Ma		N	3
15.8	15.0	H		N	1
15.7	15.7	A		N	1
17.0	12.2	A		K=H	1
17.0	13.4	A		N	1
16.6	15.0	F	1286	K=H	1
16.2	21.7	H		N	1
16.2	23.9	G		K=1.5H	4
16.6	24.2	F	1287	K=H	2
18.4	7.0	F	1288	K=H	2
17.4	15.7	H		N	1
17.6	15.9	H		N	1
19.1	11.2	H		N	1
20.0	12.8	H		N	1
19.5	16.3	A		K=H	1
19.1	17.6	A		K=H	1
19.1	17.6	H		N	1
19.6	18.5	F	1289	K=H	3
19.7	20.7	A		N	3
20.1	19.6	F	1290	K=H	3
23.4	9.8	A		N	4
23.2	23.3	A		N	2

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[[preprinted]]159[[/preprinted]]  
[[table]]  
1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.|R.A.|Dec.|Magn|  
-----  
1<sup>h</sup>13.1<sup>m</sup>51<sup>s</sup>[[symbol-degree symbol]]6|1225|1<sup>h</sup>13.5<sup>m</sup>51<sup>s</sup>[[symbol-degree symbol]]34|7.2| | | | |  
1 17.4-51.5|1293|1 17.3|-51 28|6.4| | | | |  
1 26.6-51.7|1460|1 26.9|-51 43|8.2| | | | |  
1 42.1-51.3|1733|1 42.2|-51 19|5.8| | | | |  
1 22.5-52.1|1388|1 22.8|-52 2|8| | | | |  
1 25.2-52.0|1431|1 25.4|-52 0|8.2| | | | |  
1 13.4-52.7|1232|1 13.8|-52 38|7.5| | | | |  
1 17.1-52.7|1302|1 17.6|-52 36|7.2| | | | |  
1 22.6-52.5|1389|1 22.9|-52 29|7.2| | | | |  
1 44.6-52.2|1785|1 45.0|-52 7|7.5| | | | |  
1 52.0-52.2|1905|1 52.0|-52 7|3.9| | | | |  
1 53.2-52.3|1932|1 53.1|-52 16|6.2| | | | |  
0 55.5-53.3| | | | | | | | |  
1 25.2-52.9|1434|1 25.5|-53 0|8.8| | | | |  
1 26.0-53.0|1448|1 26.3|-53 0|7.1| | | | |  
1 9.5-53.7|1167|1 10.2|-53 39|7.5| | | | |  
1 15.0-54.2|1257|1 15.2|-54 10|7.5| | | | |  
1 27.1-53.9|1478|1 27.6|-53 53|8| | | | |  
1 31.8-53.8|1556|1 31.8|-53 42|7.8| | | | |  
1 35.0-53.9|1607<sup>h</sup>[[1606]]|1 35.0|-53 56|7.5<sup>h</sup>[[7]]| | | | |  
1 42.0-54.1|1737|1 42.3|-54 1|5.4| | | | |  
1 38.6-54.2|1681|1 38.7|-54 14|5.9| | | | |  
1 4.4-55.8|1069<sup>h</sup>[[1067]]|1 4.2|-55 47|4.2<sup>h</sup>[[8]]| | | | |  
1 52.2-55.6|1910|1 52.2|-55 34|7| | | | |  
[[/table]]

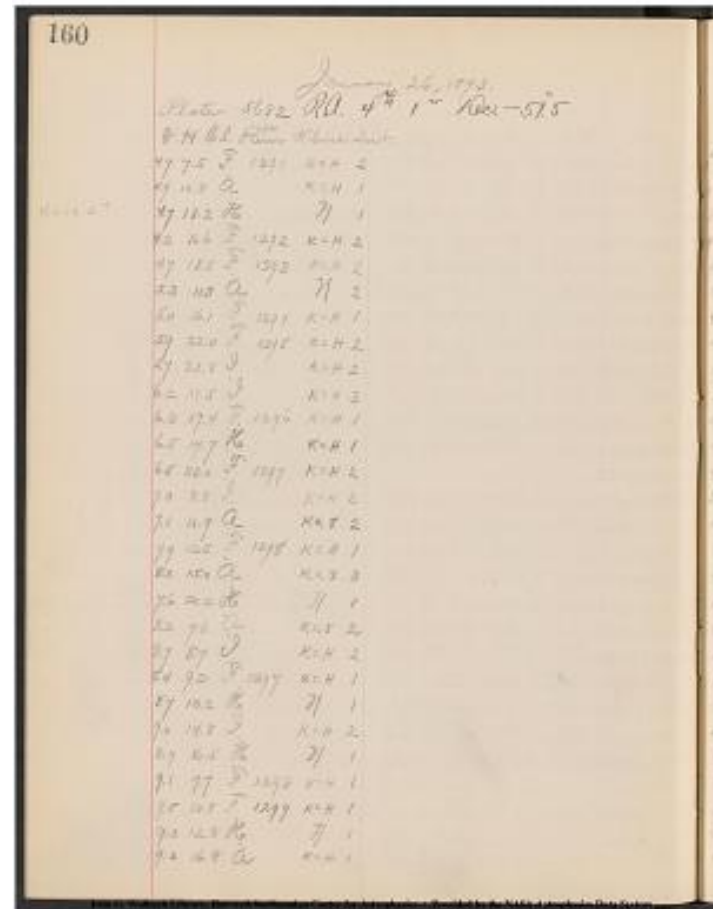
159

1900 A.G.C. No. R.A. 1900 Dec. 1900 Magn C.D.M.

No.	R.A.	Dec.	Magn	C.D.M.
1	13.1	51.5	6	1225
1	17.4	51.5	6.4	1293
1	26.6	51.7	8.2	1460
1	42.1	51.3	5.8	1733
1	22.5	52.1	8	1388
1	25.2	52.0	8.2	1431
1	13.4	52.7	7.5	1232
1	17.1	52.7	7.2	1302
1	22.6	52.5	7.2	1389
1	44.6	52.2	7.5	1785
1	52.0	52.2	3.9	1905
1	53.2	52.3	6.2	1932
0	55.5	53.3		
1	25.2	52.9	8.8	1434
1	26.0	53.0	7.1	1448
1	9.5	53.7	7.5	1167
1	15.0	54.2	7.5	1257
1	27.1	53.9	8	1478
1	31.8	53.8	7.8	1556
1	35.0	53.9	7.5	1607 <sup>h</sup> [[1606]]
1	42.0	54.1	5.4	1737
1	38.6	54.2	5.9	1681
1	4.4	55.8	4.2 <sup>h</sup> [[8]]	1069 <sup>h</sup> [[1067]]
1	52.2	55.6	7	1910

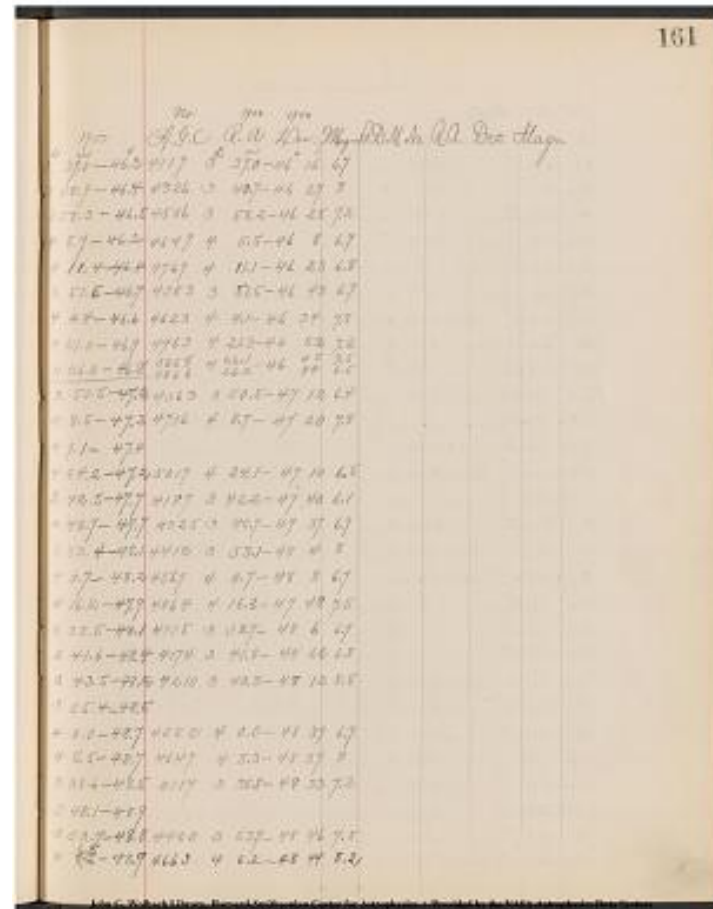
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 January 26, 1893  
 Plate 5682 RA 4<sup>h</sup> 1<sup>m</sup> Dec.-51.5<sup>°</sup>  
 [[table]]  
V	H	Cl	Rem. No.	K line	Int
4.7	7.5	F	1291	K=H	2
4.9	7.5	F	1291	K=H	1
[[H = 14.2?]]	4.7	18.2	H		N
 4.2|16.6|F|1292|K=H|2|  
 4.7|18.5|F|1293|K=H|2|  
 5.3|11.8|A| |N|2|  
 5.0|16.1|F|1294|K=H|1|  
 5.9|22.0|F|1295|K=H|2|  
 5.7|23.8|| |K=H|2|  
 6.2|11.5|| |K=H|3|  
 6.3|17.4|F|1296|K=H|1|  
 6.5|17.7|H| |K=H|1|  
 6.5|23.0|F|1297|K=H|1|  
 7.3|8.8|| |K=H|3|  
 7.1|10.9|A| |K=.8|2|  
 7.9|12.5|F|1298|K=H|1|  
 8.0|15.0|A| |K=.8|3|  
 7.6|20.2|H| |N|1|  
 8.2|7.6|A| |K=.5|2|  
 8.7|8.7|| |K=H|2|  
 8.4|9.2|F|1297|K=H|1|  
 8.7|13.2|H| |N|1|  
 9.0|14.8|| |K=H|2|  
 8.9|16.5|H| |N|1|  
 9.1|7.7|F|1298|K=H|1|  
 9.5|10.8|F|1299|K=H|1|  
 9.3|12.8|H| |N|1|  
 9.3|16.8|A| |K=H|1|  
 [[/table]]



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 [[table]]  
 1900|A.G.C No.|R.A 1900|Dec. 1900|Magn.|C.D.M.  
 No.|R.A|Dec.|Magn.|  
 ----|----|----|----|----|  
 3^[[h]] 39.0^[[m]]-46.3[[symbol-degree symbol]]|4119|3^[[h]] 39.0^[[m]] |-  
 46[[symbol-degree symbol]] 16|6.7| | | | |  
 3 48.9-46.4|4326|3 48.7|-46 27|8| | | | |  
 3 58.3-46.5|4506|3 58.2|-46 25|7.2| | | | |  
 4 5.7-46.2|4649|4 5.5|-46 8|6.7| | | | |  
 4 11.4-46.4|4769|4 11.1|-46 23|6.8| | | | |  
 3 51.5-46.7|4383|3 51.5|-46 43|6.9| | | | |  
 4 4.4-46.6|4623|4 4.1|46 34|7.8| | | | |  
 4 21.0-46.9|4963|4 21.3|-46 52|7.2| | | | |  
 4 26.0-46.8|5056^[[5068]]|4 26.3^[[26.1]]|-46 44^[[45]]|6.5^[[7.5]]| | | |  
 3 50.5-47.2|4363|3 50.5|-47 12|6.4| | | | |  
 4 8.5-47.3|4716|4 8.7|-47 20|7.8| | | | |  
 4 9.1-47.4| | | | | | | | |  
 4 24.2-47.2|5017|4 24.1|-47 10|6.5| | | | |  
 3 42.5-47.7|4187|3 42.2|-47 40|6.1| | | | |  
 3 48.7-47.7|4325|3 48.7|-47 37|6.9| | | | |  
 3 53.4-48.1|4412|3 53.1|-48 4|8| | | | |  
 4 0.7-48.2|4569|4 0.7|-48 8|6.7| | | | |  
 4 16.2-47.9|4864|4 16.2|-47 48|7.5| | | | |  
 3 38.5-48.1|4115|3 38.7|-48 6|6.9| | | | |  
 3 41.6-48.4|4174|3 41.8|-48 22|6.8| | | | |  
 3 43.5-48.2|4210|3 43.3|-48 12|8.5| | | | |  
 3 55.4-48.5| | | | | | | | |  
 4 0.0-48.7|4552|4 0.0|-48 39|6.9| | | | |  
 4 5.5-48.7|4647|4 5.3|-48 37|8| | | | |  
 3 38.6-48.5|4117|3 38.8|-48 33|7.2| | | | |  
 3 48.1-48.9| | | | | | | | |  
 3 53.7-48.8|4420|3 53.9|-48 46|7.5| | | | |  
 4 [[/strikethrough]]5.5[[/strikethrough]]|6.5-48.9|4663|4 6.2|-48 44|8.2| |  
 [[/table]]



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January 26, 1893

Plate 5682

[[table]]

V|H|C|Rem. No.|K line|Int|

9.4	19.4	A	K=H 1
9.2	19.7	A	N 1
10.0	20.7	A	K=3 2
8.9	23.9	A	K=H 1
10.7	6.6	H	N 1
10.9	8.0	H	N 1
10.7	10.0	F	1300 K=H 1
10.1	13.6	A	K=3 2
10.5	18.1	H	N 1
11.5	6.8	A	K=H 2
11.8	12.9	H	N 1
11.4	13.4	G	K=H 2
11.4	16.0	F	1301 K=H 3
11.4	18.3	A	N 1
11.7	23.2	H	K=H 1
12.6	6.5	F	1302 K=H 2
12.7	8.4	F	1303 K=H 1
12.5	9.9	H	N 1
12.6	15.0	H	N 1
12.5	16.4	H	N 1
13.8	8.6	F	1304 K=H 2
13.9	9.9	H	K=H 2
13.2	14.4	E	K=H 1
13.2	14.6	F	1305 K=H 2
13.5	21.7	H	K=H 1
14.1	8.4	H	K=H 2
14.9	9.4	H	K=H 1
14.4	11.0	H	N 1

[[/table]]

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Plate 5682

January 26, 1893

9.4	19.4	A	K=H 1
9.2	19.7	A	N 1
10.0	20.7	A	K=3 2
8.9	23.9	A	K=H 1
10.7	6.6	H	N 1
10.9	8.0	H	N 1
10.7	10.0	F	1300 K=H 1
10.1	13.6	A	K=3 2
10.5	18.1	H	N 1
11.5	6.8	A	K=H 2
11.8	12.9	H	N 1
11.4	13.4	G	K=H 2
11.4	16.0	F	1301 K=H 3
11.4	18.3	A	N 1
11.7	23.2	H	K=H 1
12.6	6.5	F	1302 K=H 2
12.7	8.4	F	1303 K=H 1
12.5	9.9	H	N 1
12.6	15.0	H	N 1
12.5	16.4	H	N 1
13.8	8.6	F	1304 K=H 2
13.9	9.9	H	K=H 2
13.2	14.4	E	K=H 1
13.2	14.6	F	1305 K=H 2
13.5	21.7	H	K=H 1
14.1	8.4	H	K=H 2
14.9	9.4	H	K=H 1
14.4	11.0	H	N 1

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[[table]]

1900[A.G.C. No.]R.A. 1900[Dec. 1900]Magn[C.D.M.  
No.]R.A.[Dec.]Magn.]

4 <sup>h</sup> [h]] 14.6 <sup>m</sup> [m]]-48.8°4823[4 <sup>h</sup> [h]] 14.0 <sup>m</sup> [m]]-48° 45'7.8
4 15.6-48.8 4856 4 15.8 -48 50 7.8
4 18.5-49.1 4904 4 18.3 -49 2 8
4 27.5-48.3
3 34.4-49.3 4028 3 34.8 -49 20 7.2
3 39.0-49.5 4126 3 39.2 -49 28 8
3 45.1-49.5 4253 3 45.2 -49 23 9
3 56.1-49.3 4464 3 56.2 -49 12 8
4 10.9-49.5 4761 4 10.6 -49 22 8.5
3 35.1-49.8 4038 3 35.2 -49 42 7.5
3 53.5-50.2 4424 3 54.0 -50 3 7.8
3 55.0-49.9 4448 3 55.4 -49 54 7.2
4 4.0-49.9 4626 4 4.0 -49 54 6.8
4 11.6-49.9 4776 4 11.3 -49 50 8.5
4 27.0-49.9
3 33.9-50.3 4017 3 33.9 -50 17 8
3 40.1-50.4 4138 3 39.9 059 24 8.5
3 44.5-50.4 4238 3 44.5 -50 22 7.5
4 1.0-50.6
4 5.2-50.5 4646 4 5.2 -50 26 8
3 40.5-50.9 4141 3 40.2 -50 58 7.0
3 44.5-51.1 4236 3 44.5 -51 3 6.9
3 58.4-50.9 4510 3 58.4 -50 42 8.5
3 59.0-50.9 4533 3 59.2 -50 47 7.8
4 22.5-50.8 4977 4 22.3 -50 50 7.2
3 39.5-51.2 4131 3 39.5 -51 7 7.3
3 42.4-51.6
3 48.0-51.4 4312 3 47.8 -51 19 8.5

[[/table]]

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Dec. 1900

1900[A.G.C. No.]R.A. 1900[Dec. 1900]Magn[C.D.M.  
No.]R.A.[Dec.]Magn.]

4<sup>h</sup>[h]] 14.6<sup>m</sup>[m]]-48.8°4823[4<sup>h</sup>[h]] 14.0<sup>m</sup>[m]]-48° 45'7.8| | | |

4 15.6-48.8|4856|4 15.8|-48 50|7.8| | | |

4 18.5-49.1|4904|4 18.3|-49 2|8| | | |

4 27.5-48.3| | | |

3 34.4-49.3|4028|3 34.8|-49 20|7.2| | | |

3 39.0-49.5|4126|3 39.2|-49 28|8| | | |

3 45.1-49.5|4253|3 45.2|-49 23|9| | | |

3 56.1-49.3|4464|3 56.2|-49 12|8| | | |

4 10.9-49.5|4761|4 10.6|-49 22|8.5| | | |

3 35.1-49.8|4038|3 35.2|-49 42|7.5| | | |

3 53.5-50.2|4424|3 54.0|-50 3|7.8| | | |

3 55.0-49.9|4448|3 55.4|-49 54|7.2| | | |

4 4.0-49.9|4626|4 4.0|-49 54|6.8| | | |

4 11.6-49.9|4776|4 11.3|-49 50|8.5| | | |

4 27.0-49.9| | | |

3 33.9-50.3|4017|3 33.9|-50 17|8| | | |

3 40.1-50.4|4138|3 39.9|059 24|8.5| | | |

3 44.5-50.4|4238|3 44.5|-50 22|7.5| | | |

4 1.0-50.6| | | |

4 5.2-50.5|4646|4 5.2|-50 26|8| | | |

3 40.5-50.9|4141|3 40.2|-50 58|7.0| | | |

3 44.5-51.1|4236|3 44.5|-51 3|6.9| | | |

3 58.4-50.9|4510|3 58.4|-50 42|8.5| | | |

3 59.0-50.9|4533|3 59.2|-50 47|7.8| | | |

4 22.5-50.8|4977|4 22.3|-50 50|7.2| | | |

3 39.5-51.2|4131|3 39.5|-51 7|7.3| | | |

3 42.4-51.6| | | |

3 48.0-51.4|4312|3 47.8|-51 19|8.5| | | |

Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]164 [[/preprinted]]

January 26, 1893

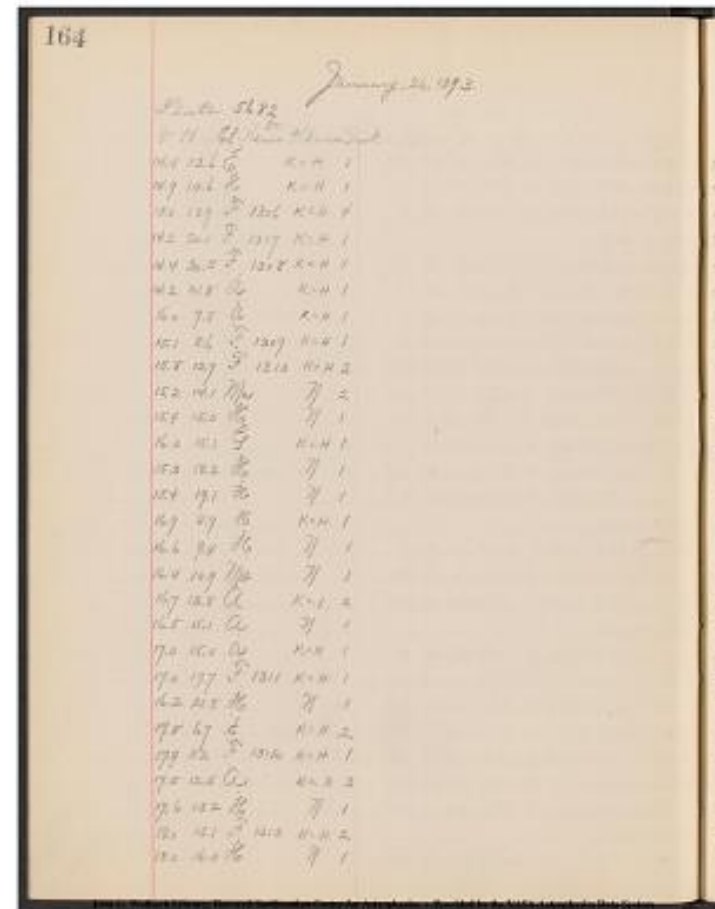
Plate 5682

[[table]]

V|H|C|Rem. No.|K line|Int|

14.4	13.6	E	K=H 1
14.9	15.6	H	K=H 1
15.0	18.9	F	1306 K=H 4
14.2	20.1	F	1307 K=H 1
14.4	20.5	F	1308 K=H 1
14.2	21.8	A	K=H 1
16.0	7.8	A	K=H 1
15.1	8.6	F	1309 K=H 1
15.8	12.7	F	1310 K=H 2
15.2	14.1	MA	N 2
15.4	15.0	H	N 1
16.0	15.1	G	K=H 1
15.3	18.2	H	N 1
15.4	19.1	H	N 1
16.9	8.9	H	K=H 1
16.6	9.4	H	N 1
16.4	10.9	MA	N 1
16.7	12.8	A	K=H 2
16.5	15.1	A	N 1
17.0	15.0	A	K=H 1
17.0	17.7	F	1311 K=H 1
16.2	21.8	H	N 1
17.8	6.7	E	K=H 2
17.9	8.2	F	1312 K=H 1
17.5	12.5	A	K=3 3
17.6	13.2	H	N 1
18.0	15.1	F	1313 K=H 2
18.0	16.0	H	N 1

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]165[[/preprinted]]  
 [[table]]  
 1900|A.G.C No.|R.A 1900|Dec. 1900|Magn.|C.D.M No.|R.A.|  
 Dec.|Magn.|  
 |---|---|---|---|---|---|---|  
 3^[[h]] 56.5^[[m]]-51.4^[[symbol-degree symbol]]|4463|3^[[h]]  
 56.2^[[m]]-51^[[symbol-degree symbol]] 23'8 | | | |  
 4 2.5-51.7|4605|4 2.7|-51 39|8 | | | |  
 4 13.5-51.8|4811|4 13.4|-51 44|4.4 | | | |  
 4 17.1-51.2 | | | | | | |  
 4 18.6-51.3|4906|4 18.4|-51 16|7.8 | | | |  
 4 23.0-51.2 | | | | | | |  
 3 37.0-52.0 | | | | | | |  
 3 40.0-51.6 | | | | | | |  
 3 53.0-52.1|4411|3 53.0|-52 6|7.8 | | | |  
 3 57.5-57.9|4494|3 57.6|-51 51|7.0 | | | |  
 4 1.0-51.0|4562|4 0.4|-51 56|7.5 | | | |  
 4 1.4-52.3|4578|4 1.1|-52 12|8.2 | | | |  
 4 11.1-51.8|4775|4 11.1|-51 51|7.8 | | | |  
 4 14.1-51.9|4824|4 14.0|-51 51|8 | | | |  
 3 40.5-52.6 | | | | | | |  
 3 42.0-52.4 | | | | | | |  
 3 47.0-52.4|4292|3 46.9|-52 23|7.5 | | | |  
 3 53.4-52.6|4414|3 53.2|-52 33|7.5 | | | |  
 4 1.2-52.5|4576|4 0.9|-52 28|8.5 | | | |  
 4 1.0-52.9|4574|4 0.8|-52 47|7.2 | | | |  
 4 9.2-52.8|4737|4 9.4|-52 41|7.8 | | | |  
 4 23.5-52.2|4995|4 22.9|-52 9|7.8 | | | |  
 3 32.5-53.0|3991|3 32.9|-52 53|7.5 | | | |  
 3 37.5-53.1|4099|3 37.9|-53 1|7.8 | | | |  
 3 52.0-52.9|4395|3 52.0|-52 59|6.6 | | | |  
 3 54.5-53.0|4435|3 54.6|-53 2|8.5 | | | |  
 4 1.0-53.2|4581|4 1.1|-53 12|7.8 | | | |  
 4 4.5-53.3|4628|4 4.1|-53 15|8.5 | | | |  
 [[/table]]

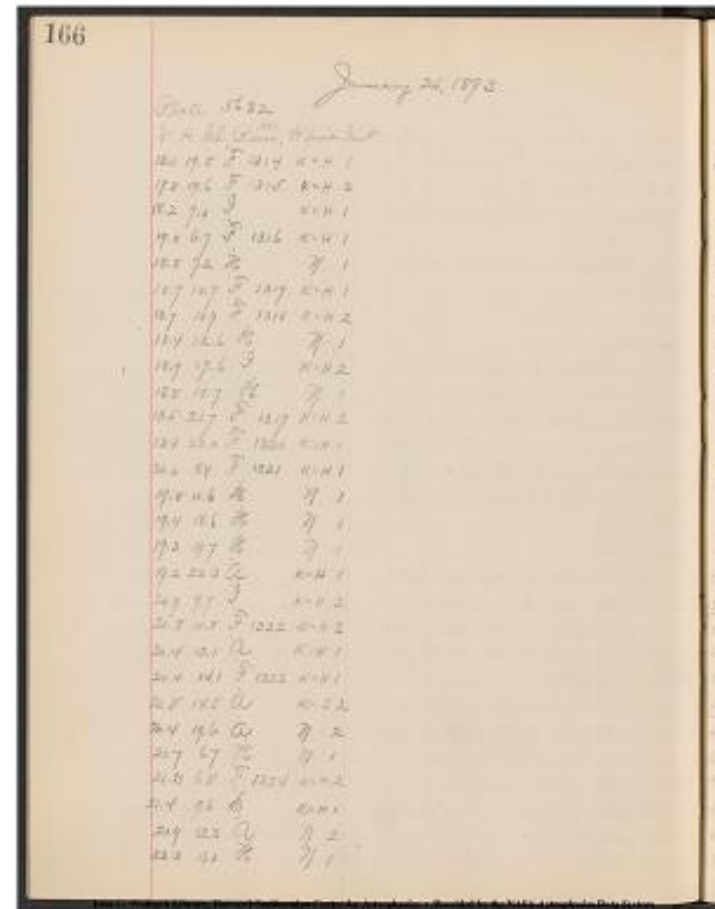
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1900 A.G.C No. R.A. 1900 Dec. 1900 Magn. C.D.M No. R.A. Dec. Magn.

3^h	56.5^m	-51.4^°	4463	3^h	56.2^m	-51.0^°	23'8"				
4	2.5	-51.7	4605	4	2.7	-51.39	8				
4	13.5	-51.8	4811	4	13.4	-51.44	4.4				
4	17.1	-51.2									
4	18.6	-51.3	4906	4	18.4	-51.16	7.8				
4	23.0	-51.2									
3	37.0	-52.0									
3	40.0	-51.6									
3	53.0	-52.1	4411	3	53.0	-52.6	7.8				
3	57.5	-57.9	4494	3	57.6	-51.51	7.0				
4	1.0	-51.0	4562	4	0.4	-51.56	7.5				
4	1.4	-52.3	4578	4	1.1	-52.12	8.2				
4	11.1	-51.8	4775	4	11.1	-51.51	7.8				
4	14.1	-51.9	4824	4	14.0	-51.51	8				
3	40.5	-52.6									
3	42.0	-52.4									
3	47.0	-52.4	4292	3	46.9	-52.23	7.5				
3	53.4	-52.6	4414	3	53.2	-52.33	7.5				
4	1.2	-52.5	4576	4	0.9	-52.28	8.5				
4	1.0	-52.9	4574	4	0.8	-52.47	7.2				
4	9.2	-52.8	4737	4	9.4	-52.41	7.8				
4	23.5	-52.2	4995	4	22.9	-52.9	7.8				
3	32.5	-53.0	3991	3	32.9	-52.53	7.5				
3	37.5	-53.1	4099	3	37.9	-53.1	7.8				
3	52.0	-52.9	4395	3	52.0	-52.59	6.6				
3	54.5	-53.0	4435	3	54.6	-53.2	8.5				
4	1.0	-53.2	4581	4	1.1	-53.12	7.8				
4	4.5	-53.3	4628	4	4.1	-53.15	8.5				

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[[preprinted]] 166[[/preprinted]]  
 January 26, 1893  
 Plate 5682  
 [[table]]  
V	H	Cl	Rem^[[No]]	K line	Int
 18.0|19.5|F|1314|K=H|1|  
 17.8|19.6|F|1315|K=H|3|  
 18.2|7.0|||K=H|1|  
 19.0|6.7|F|1316|K=H|1|  
 18.8|7.2|H||N|1|  
 18.7|10.7|F|1317|K=H|1|  
 18.7|10.9|F|1318|K=H|2|  
 18.4|12.6|H||N|1|  
 18.9|17.6|||K=H|2|  
 18.8|18.7|H||N|1|  
 18.5|21.7|F|1319|K=H|2|  
 18.4|23.0|F|1320|K=H|1|  
 20.0|8.4|F|1321|K=H|1|  
 19.8|10.6|H||N|1|  
 19.4|18.6|H||N|1|  
 19.3|19.7|H||N|1|  
 19.2|22.3|A||K=H|1|  
 20.9|9.7|||K=H|2|  
 20.8|10.8|F|1322|K=H|2|  
 20.4|12.1|A||K=H|1|  
 20.4|14.1|F|1323|K=H|1|  
 20.8|14.5|A||K=.5|2|  
 20.4|19.6|A||N|2|  
 21.7|6.7|H||N|1|  
 21.3|6.8|F|1324|K=H|2|  
 21.4|9.6|E||K=H|1|  
 21.9|12.3|A||N|2|  
 22.3|11.0|H||N|1|  
 [[/table]]



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[[preprinted]]167[[/preprinted]]  
 [[table]]  
 1900|A.G.C No.|R.A. 1900|Dec. 1900|Magn.|C.D.M No.|R.A|  
 Dec.|Magn.|  
 |---|---|---|---|---|---|---|  
 4<sup>h</sup>[[h]] 15.4<sup>m</sup>[[m]]-53.2<sup>s</sup>[[symbol-degree symbol]]4857|4<sup>h</sup>[[h]]  
 15.8<sup>m</sup>[[m]]- 53<sup>s</sup>[[symbol-degree symbol]] 8|7| | | | |  
 4 16.1-53.1|4868|4 16.2|-53 6|6.3| | | | |  
 3 33.4-53.1|4012|3 33.8|-53 6|7.5| | | | |  
 3 32.6-53.6|3996|3 33.0|-53 32|8.2| | | | |  
 3 34.1-53.5|4024|3 34.4|-53 24|7.8| | | | |  
 3 45.7-53.5| | | | | | | | |  
 3 46.6-53.5|4274|3 46.2|-53 29|8.2| | | | |  
 3 52.5-53.5| | | | | | | | |  
 4 9.0-53.6| | | | | | | | |  
 4 13.0-53.5|4810|4 13.3|-53 34|7.2| | | | |  
 4 23.4-53.4|5001|4 23.1|-52 31|6.9| | | | |  
 4 28.0-53.3|5104|4 27.5|-53 12|7.5| | | | |  
 3 37.5-54.1|4103|3 38.1|-54 3|7.5| | | | |  
 3 45.0-54.0|4259|3 45.4|54 3|8.5| | | | |  
 4 12.5-53.9| | | | | | | | |  
 4 16.4-53.8|4872|4 16.4|-53 47|7.8| | | | |  
 4 25.0-53.7|5042|4 25.0|-53 38|7.8| | | | |  
 3 31.7-54.6|4176<sup>h</sup>[[4175]]|3 41.7|-54 47<sup>h</sup>[[47]]|7.2<sup>h</sup>[[10]]| | | | |  
 3 45.4-54.6|4267|3 45.9|-54 36|7.0| | | | |  
 3 50.0-54.5| | | | | | | | |  
 3 57.0-54.5|4490|3 57.4|-54 27|7.8| | | | |  
 3 58.4-54.7|4512<sup>h</sup>[[4512]]|3 58.4|-54 36|8.8<sup>h</sup>[[7.8]]| | | | |  
 4 16.4-54.3|4874|4 16.5|-54 22|7.0| | | | |  
 3 31.4-54.9|3963|3 31.5|-54 51|7.4| | | | |  
 3 32.2-54.7|3970|3 32.1|-54 39|7| | | | |  
 3 41.2-54.8|4151|3 40.5|-54 47|8.2| | | | |  
 3 50.4-55.2|4375|3 51.0|-55 9|7.8| | | | |  
 3 46.0-55.3|4280|3 46.4|-55 18|7.3| | | | |  
 [[/table]]

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1900 A.G.C. No. R.A. 1900 Dec. 1900 Magn. C.D.M. No. R.A. Dec. Magn.

4	15.4	-53.2	4857	4	15.8	-53.8	7
4	16.1	-53.1	4868	4	16.2	-53.6	3
3	33.4	-53.1	4012	3	33.8	-53.6	7.5
3	32.6	-53.6	3996	3	33.0	-53.32	8.2
3	34.1	-53.5	4024	3	34.4	-53.24	7.8
3	45.7	-53.5					
3	46.6	-53.5	4274	3	46.2	-53.29	8.2
3	52.5	-53.5					
4	9.0	-53.6					
4	13.0	-53.5	4810	4	13.3	-53.34	7.2
4	23.4	-53.4	5001	4	23.1	-52.31	6.9
4	28.0	-53.3	5104	4	27.5	-53.12	7.5
3	37.5	-54.1	4103	3	38.1	-54.3	7.5
3	45.0	-54.0	4259	3	45.4	54.3	8.5
4	12.5	-53.9					
4	16.4	-53.8	4872	4	16.4	-53.47	7.8
4	25.0	-53.7	5042	4	25.0	-53.38	7.8
3	31.7	-54.6	4176 <sup>h</sup> [[4175]]	3	41.7	-54.47 <sup>h</sup> [[47]]	7.2 <sup>h</sup> [[10]]
3	45.4	-54.6	4267	3	45.9	-54.36	7.0
3	50.0	-54.5					
3	57.0	-54.5	4490	3	57.4	-54.27	7.8
3	58.4	-54.7	4512 <sup>h</sup> [[4512]]	3	58.4	-54.36	8.8 <sup>h</sup> [[7.8]]
4	16.4	-54.3	4874	4	16.5	-54.22	7.0
3	31.4	-54.9	3963	3	31.5	-54.51	7.4
3	32.2	-54.7	3970	3	32.1	-54.39	7
3	41.2	-54.8	4151	3	40.5	-54.47	8.2
3	50.4	-55.2	4375	3	51.0	-55.9	7.8
3	46.0	-55.3	4280	3	46.4	-55.18	7.3

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January, 26, 1893.

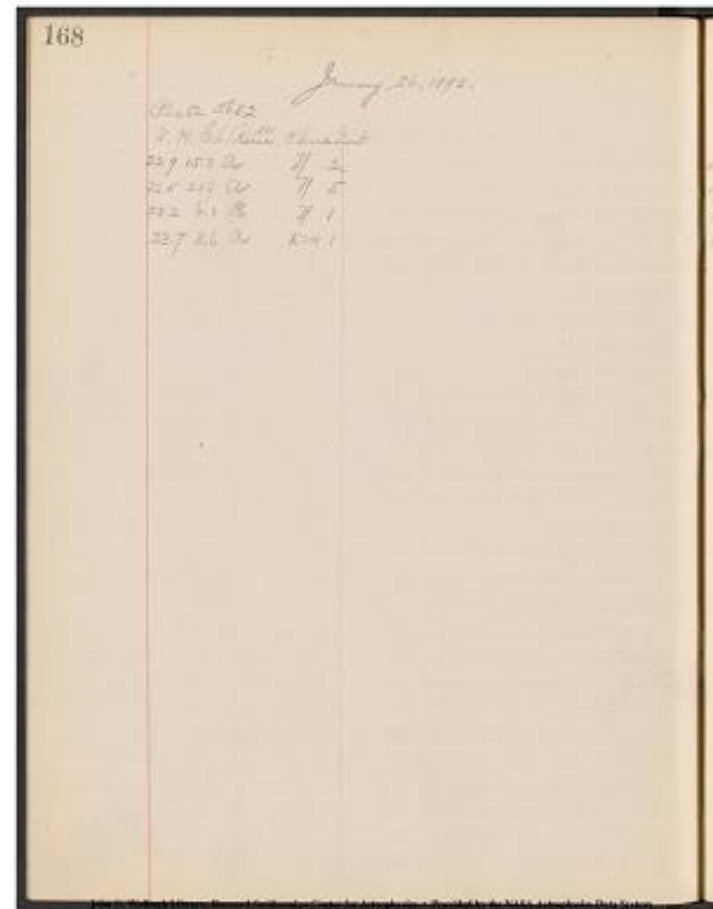
Plate 5682

[[table]]

|V|H|C|Rem. No.|K line|Int|

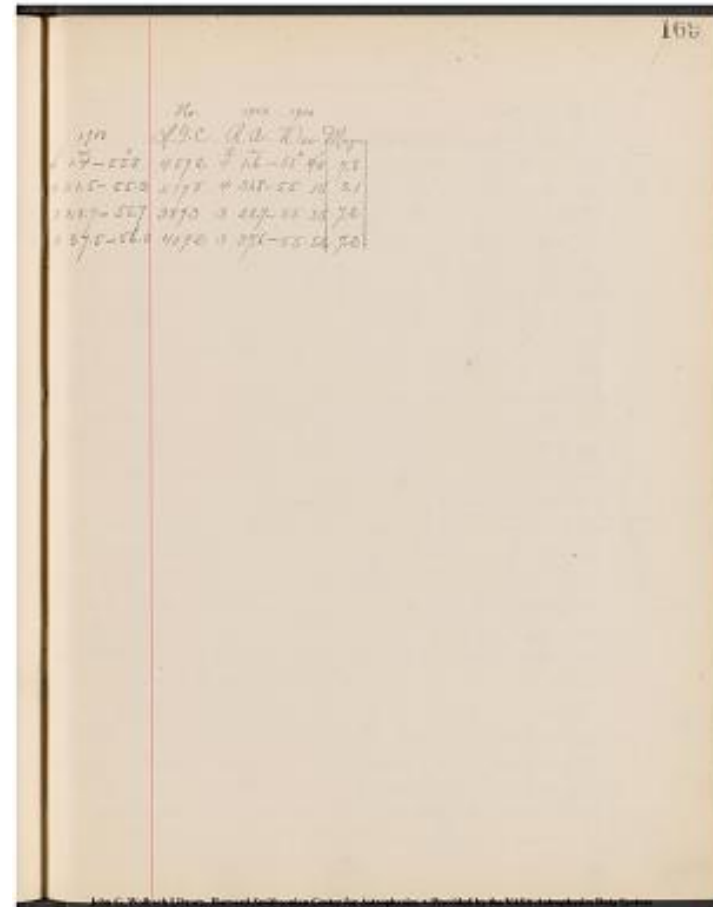
22.9	15.3	A		N	2
22.5	23.9	A		N	5
23.2	6.0	H		N	1
23.7	8.6	A		K=H	1

[[/table]]



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[[preprinted]]169[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|1900 R.A.|1900 Dec.|Magn.|  
 |---|---|---|---|  
 4<sup>h</sup>|1.4<sup>m</sup>|55.8<sup>s</sup>|4592|4<sup>h</sup> 1.6<sup>m</sup>|-  
 55<sup>s</sup>|40'|7.8|  
 4 31.5-55.3|5198|4 31.8-55 15|3.1|  
 3 28.7-55.7|3893|3 28.7-55 35|7.2|  
 3 37.5-56|4092|3 37.6-55 52|7.2|  
 [[/table]]



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6<sup>h</sup>[[h]] 2<sup>a</sup>[[m]] - 51.7

January, 26, 1893

Plate 4734

[[table]]

|V|H|C|Rem. No.|K line|Int|

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

4.8|8.4|I| |K=H|2|

[[3.8 15.3?]] 3.8|5.3|F|1325|K=H|1|

5.8|8.2|A| |K=H|1|

7.3|10.9|H| |N|1|

8.0|14.8|F|1326|K=H|1|

9.0|16.6|E| |K=H|1|

8.1|19.5|F|1327|K=H|1|

8.6|19.7|G| |K=H|2|

8.3|7.0|A| |N|2|

7.6|21.7|A| |N|3|

8.5|24.1|A| |N|1|

9.1|9.1|H| |N|1|

9.3|9.4|A| |N|2|

9.6|15.4|F|1328|K=H|2|

9.9|17.2|Mb| |N|1|

9.4|19.9|H| |N|1|

[[H=22.6?]] 9.9|21.6|A| |N|1|

[[H=11.6?]] 10.4|21.6|B|1329|N|3|

10.6|15.9|A| |N|1|

10.2|16.3|F|1330|K=H|2|

11.2|8.0|A| |N|2|

11.9|11.5|K| |K=H|2|

11.8|19.3|E| |K=H|1|

11.6|22.9|F|1331|K=H|3|

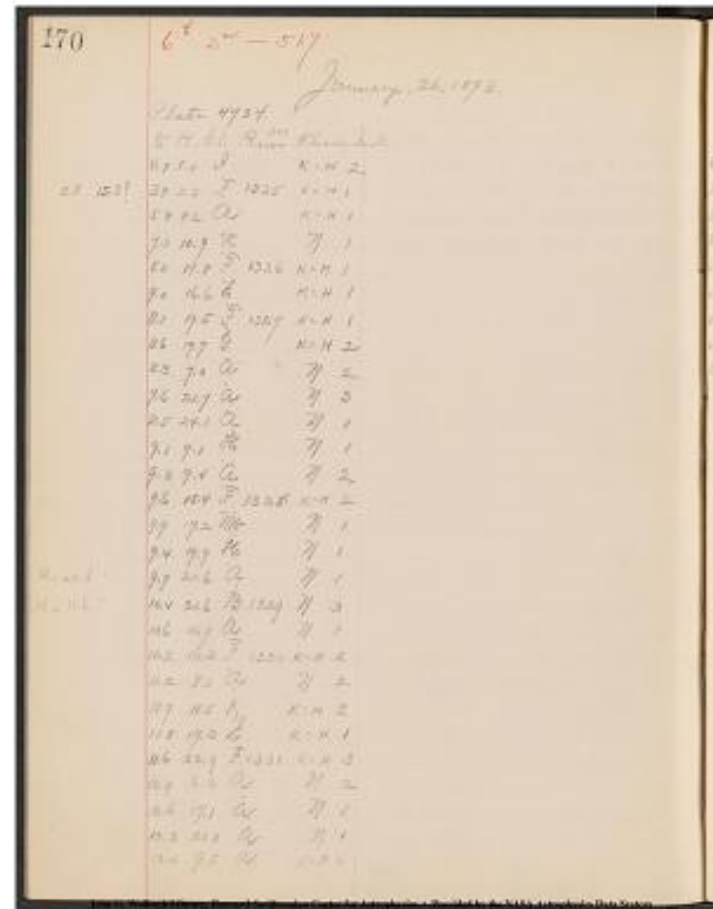
12.9|6.6|A| |N|2|

12.6|17.1|A| |N|1|

12.2|21.0|A| |N|1|

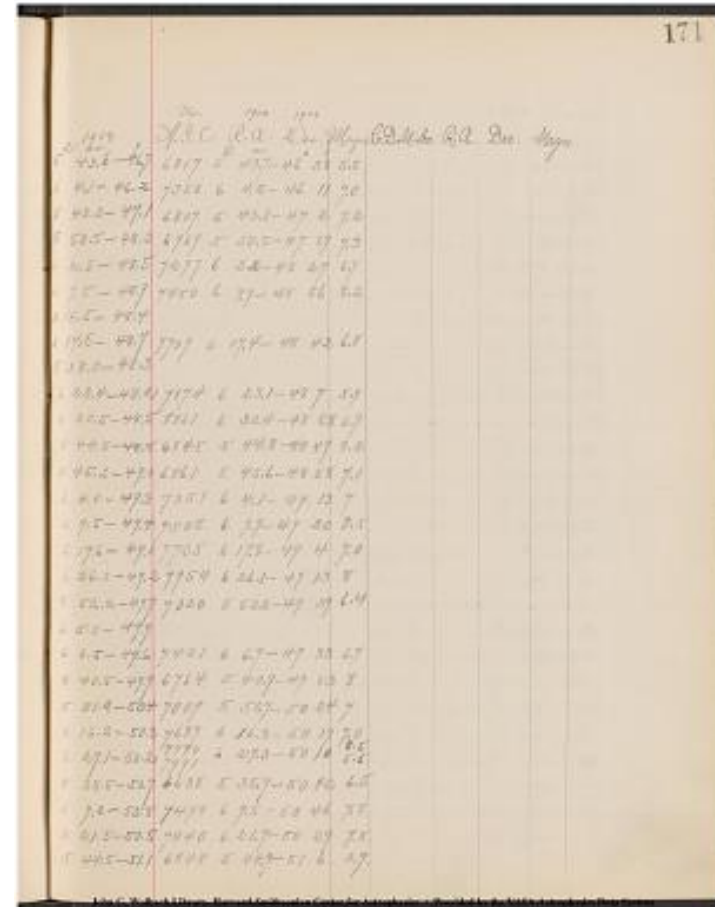
13.4|9.5|A| |K=3|4|

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
Transcribed and Reviewed by Digital Volunteers  
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[[preprinted]]171[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
 No.|R.A.|Dec.|Magn.|  
 |---|---|---|---|---|  
 5<sup>h</sup>[[h]] 43.6<sup>m</sup>[[m]]-46.7<sup>s</sup>[[symbol-degree symbol]]|6817|5<sup>h</sup>[[h]]  
 43.7<sup>m</sup>[[m]]-46<sup>s</sup>[[symbol-degree symbol]] 38<sup>s</sup>5.8 | | | |  
 6 4.1-46.2|7350|6 4.2|-46 11|7.0 | | | |  
 5 43.0-47.1|6807|5 43.1|-47 2|7.2 | | | |  
 5 50.5-48.0|6969|5 50.5|-47 59|7.3 | | | |  
 6 2.0-48.5|7297|6 2.2|-48 27|6.9 | | | |  
 6 7.5-48.9|7450|6 7.9|-48 56|8.2 | | | |  
 6 16.5-48.4 | | | | | | | |  
 6 17.5-48.7|7709|6 17.4|-48 42|6.8 | | | |  
 5 38.0-48.3 | | | | | | | |  
 6 23.4-48.2|7874|6 23.1|-48 7|5.9 | | | |  
 6 30.5-48.5|8061|6 30.4|-48 28|6.9 | | | |  
 5 44.5-48.8|6845|5 44.8|-48 47|8.2 | | | |  
 5 45.2-49.0|6861|5 45.6|-48 58|7.1 | | | |  
 6 4.0-49.3|7351|6 4.1|-49 13|7 | | | |  
 6 9.5-49.4|7508|6 9.9|-49 20|8.5 | | | |  
 6 17.6-49.1|7725|6 17.8|-49 4|7.0 | | | |  
 6 26.0-49.2|7954|6 26.1|-49 13|8 | | | |  
 5 52.2-49.7|7020|5 52.2|-49 39|6.4 | | | |  
 6 5.0-49.9 | | | | | | | |  
 6 6.5-49.6|7421|6 6.9|-49 33|6.7 | | | |  
 5 40.5-49.9|6764|5 40.9|-49 53|8 | | | |  
 5 51.2-50.4|7009|5 51.7|-50 24|7 | | | |  
 6 16.2-50.3|7689|6 16.3|-50 19|7.0 | | | |  
 6 27.1-50.2|7991<sup>h</sup>[[7990]]|6 27.3|-50 10|5.5<sup>h</sup>[[8.5]] | | | |  
 5 35.5-50.7|6638|5 35.9|-50 42|6.5 | | | |  
 6 9.2-50.8|7498|6 9.5|-50 46|7.8 | | | |  
 6 21.5-50.5|7840|6 21.7|-50 29|7.8 | | | |  
 5 44.5-51.1|6848|5 44.9|-51 6|3.9 | | | |  
 [[/table]]



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 (South Draper Catalog) #62  
 Transcribed and Reviewed by Digital Volunteers  
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[[preprinted]]172[[/preprinted]]

January 26, 1893

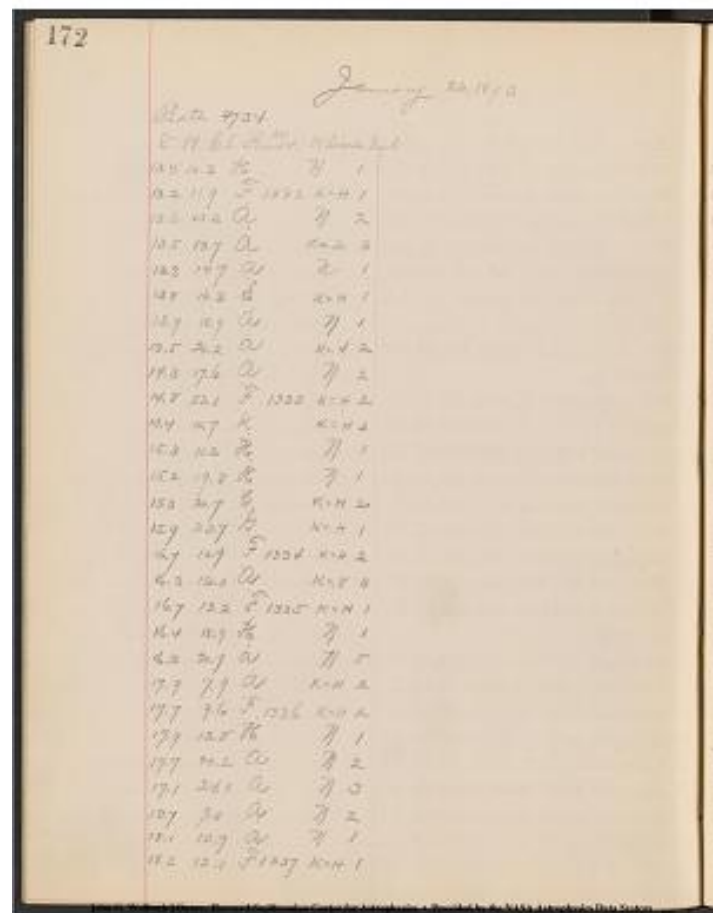
Plate 4734

[[table]]

V|H|Cl|Rem. No.|K line|Int|

13.4	10.3	H		N1	
13.2	11.9	F	1332	K=H1	
13.6	13.2	A		N2	
13.5	13.7	A		K=2	3
13.3	14.7	A		N1	
13.8	16.3	E		K=H1	
13.9	18.9	A		N1	
13.5	20.2	A		K=.4	2
14.3	17.6	A		N2	
14.8	23.1	F	1333	K=H2	
15.4	10.7	K		K=H3	
15.3	11.2	H		N1	
15.2	19.8	H		N1	
15.3	20.7	G		K=H2	
15.9	23.7	G		K=H2	
16.7	10.7	F	1334	K=H2	
16.3	12.0	A		K=.8	3
16.7	13.2	F	1335	K=H1	
16.4	18.9	H		N1	
16.3	20.7	A		N5	
17.9	7.9	A		K=H2	
17.7	9.6	F	1336	K=H2	
17.9	12.8	H		N1	
17.7	20.2	A		N2	
17.1	24.1	A		N3	
18.7	7.0	A		N2	
18.1	10.9	A		N1	
18.3	12.1	F	1337	K=H1	

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]173[[/preprinted]]

[[table]]

1900[A.G.C. No.]R.A. 1900[Dec. 1900]Magn[C.D.M.  
No.]R.A.[Dec.]Magn.]

5 <sup>h</sup> 47 <sup>m</sup> 51 <sup>s</sup> .2	6904	5 <sup>h</sup> 47 <sup>m</sup> 51 <sup>s</sup> .2	51° 4' 7.5"						
5 52.0-51.0	7029	5 52.6-51.1	7.5						
5 56.2-51.3	7142	5 56.7-51.14	7.3						
5 58.5-51.2	7184	5 58.5-51.13	6.2						
6 1.5-51.2	7276	6 1.7-51.5	7.2						
6 7.0-51.4	7428	6 7.1-51.22	7.2						
6 15.0-51.5	7661	7662	6 15.4-51.25	24	9.2	8			
6 19.0-51.2	7776	6 19.5-51.12	6.8						
6 11.2-51.7	7552	6 11.4-51.38	6.8						
6 29.0-51.8	8034	6 29.0-51.45	6.1						
5 48.6-52.2	6925	5 48.7-52.8	5.6						
5 50.4-52.2	6960	5 50.2-52.5	7.5						
6 18.0-52.1	7740	6 18.3-52.2	7.2						
6 21.2-52.2	7831	6 21.4-52.8	6.4						
6 31.1-52.2	8085	6 31.2-52.15	7						
5 48.2-52.8	6919	5 48.2-52.48	6.7						
5 52.6-52.7	7034	5 52.7-52.40	5.8						
5 56.6-52.9	7135	5 56.5-52.48	8.8						
6 15.5-52.8	7668	6 15.7-52.42	6.7						
6 21.4-52.6	7843	6 21.8-52.39	0.4						
5 37.7-53.3	6698	5 38.5-53.16	7.2						
5 44.4-53.3	6836	5 44.3-53.15	6.8						
5 54.7-53.5	7100	7103	5 55.0-53.26	7.2	7				
6 20.3-53.3	7799	6 20.1-53.17	6.7						
6 33.0-52.9	8133	6 32.8-52.53	4.8						
5 34.6-53.6									
5 48.5-53.6	6924	5 48.5-53.27	8						
5 52.5-53.6	7039	5 52.6-53.36	8.2						

[[/table]]

173

Dec. 1900

1900 [A.G.C. No.] R.A. 1900 [Dec. 1900] Magn. [C.D.M. No.] R.A. [Dec.] Magn.

5<sup>h</sup>47<sup>m</sup>51<sup>s</sup>.2 6904 5<sup>h</sup>47<sup>m</sup>51<sup>s</sup>.2 51° 4' 7.5" | | | |

5 52.0-51.0 7029 5 52.6-51.1 7.5 | | | |

5 56.2-51.3 7142 5 56.7-51.14 7.3 | | | |

5 58.5-51.2 7184 5 58.5-51.13 6.2 | | | |

6 1.5-51.2 7276 6 1.7-51.5 7.2 | | | |

6 7.0-51.4 7428 6 7.1-51.22 7.2 | | | |

6 15.0-51.5 7661 7662 6 15.4-51.25 24 9.2 8 | | | |

6 19.0-51.2 7776 6 19.5-51.12 6.8 | | | |

6 11.2-51.7 7552 6 11.4-51.38 6.8 | | | |

6 29.0-51.8 8034 6 29.0-51.45 6.1 | | | |

5 48.6-52.2 6925 5 48.7-52.8 5.6 | | | |

5 50.4-52.2 6960 5 50.2-52.5 7.5 | | | |

6 18.0-52.1 7740 6 18.3-52.2 7.2 | | | |

6 21.2-52.2 7831 6 21.4-52.8 6.4 | | | |

6 31.1-52.2 8085 6 31.2-52.15 7 | | | |

5 48.2-52.8 6919 5 48.2-52.48 6.7 | | | |

5 52.6-52.7 7034 5 52.7-52.40 5.8 | | | |

5 56.6-52.9 7135 5 56.5-52.48 8.8 | | | |

6 15.5-52.8 7668 6 15.7-52.42 6.7 | | | |

6 21.4-52.6 7843 6 21.8-52.39 0.4 | | | |

5 37.7-53.3 6698 5 38.5-53.16 7.2 | | | |

5 44.4-53.3 6836 5 44.3-53.15 6.8 | | | |

5 54.7-53.5 7100 7103 5 55.0-53.26 7.2 7 | | | |

6 20.3-53.3 7799 6 20.1-53.17 6.7 | | | |

6 33.0-52.9 8133 6 32.8-52.53 4.8 | | | |

5 34.6-53.6 | | | |

5 48.5-53.6 6924 5 48.5-53.27 8 | | | |

5 52.5-53.6 7039 5 52.6-53.36 8.2 | | | |

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January, 26, 1893

Plate 4734

[[table]]

V|H|Cl|Rem. No.|K line|Int|

18.2	14.5	H		N	1
18.8	14.7	H		N	1
18.9	18.8	H		N	1
18.1	19.0	A		K=4	2
19.9	10.0	Ma		N	1
19.8	15.2	H		K=H	1
20.9	14.1	F	1338	K=H	1
20.8	16.7	A		N	3
21.5	6.2	F	1339	K=H	1
21.3	11.0	F	1340	K=H	1
21.8	18.6	A		N	1
22.6	9.8	A		N	1
23.5	11.1	L		K=H	3
23.5	15.2	H		N	1
23.7	70.2	A		N	3

[[/table]]

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Plate 4734

January 26, 1893

18.2	14.5	H		N	1
18.8	14.7	H		N	1
18.9	18.8	H		N	1
18.1	19.0	A		K=4	2
19.9	10.0	Ma		N	1
19.8	15.2	H		K=H	1
20.9	14.1	F	1338	K=H	1
20.8	16.7	A		N	3
21.5	6.2	F	1339	K=H	1
21.3	11.0	F	1340	K=H	1
21.8	18.6	A		N	1
22.6	9.8	A		N	1
23.5	11.1	L		K=H	3
23.5	15.2	H		N	1
23.7	70.2	A		N	3

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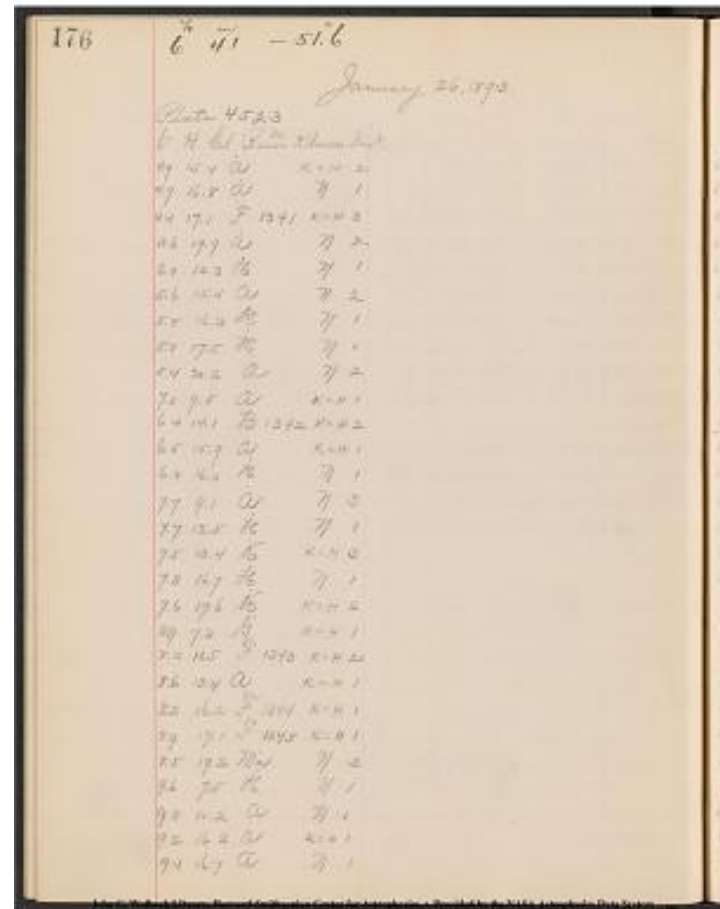
[[preprinted]]175[[/preprinted]]  
 [[table]]  
 1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
 No.|R.A.|Dec.|Magn|  
 -----  
 6<sup>h</sup>[[h]] 0.6<sup>m</sup>[[m]]-53.6<sup>s</sup>[[symbol-degree symbol]]7245|6<sup>h</sup>[[h]] 0.7<sup>m</sup>[[m]]-  
 53<sup>s</sup>[[symbol-degree symbol]]35|7| | | | |  
 6 1.0-53.9|7264|6 1.3|-53 53|7.2| | | | |  
 6 15.4-54.0|7667|6 15.6|-53 56|7.2| | | | |  
 6 15.5-53.6|7677|6 15.9|-53 32|6.9| | | | |  
 5 45.2-54.4|6857|5 45.2|-54 23|6.6| | | | |  
 6 3.0-54.4|7329|6 3.2|-54 24|7.5| | | | |  
 5 59.0-55.7200|5 59.0|-54 57|7.5| | | | |  
 6 8.4-54.9|7467|6 8.4|-54 56|5.2| | | | |  
 5 31.5-54.9|6530|5 31.8|-54 58|6.6| | | | |  
 [[underlined]]5 48.2-55.2[[/underlined]]6922<sup>h</sup>[[6920]]5 58.4<sup>h</sup>[[48.3]]-55  
 5<sup>h</sup>[[7]]7.5<sup>m</sup>[[7.5]]| | | | |  
 6 15.9-55.5| | | | |  
 5 43.2-55.7|6821|5 43.7|-55 37|7.5| | | | |  
 5 47.9-56.3|6915|5 48.0|-56 12|4.7| | | | |  
 6 3.5-56.3|7334|6 3.3|-56 13|7| | | | |  
 6 21.5-56.3|7827|6 21.1|-56 19|6.0| | | | |  
 [[/table]]

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1900	A.G.C. No.	R.A. 1900	Dec. 1900	Magn	C.D.M.
6 1.0-53.9	7264	6 1.3	-53 53	7.2	
6 15.4-54.0	7667	6 15.6	-53 56	7.2	
6 15.5-53.6	7677	6 15.9	-53 32	6.9	
5 45.2-54.4	6857	5 45.2	-54 23	6.6	
6 3.0-54.4	7329	6 3.2	-54 24	7.5	
5 59.0-55.7	200	5 59.0	-54 57	7.5	
6 8.4-54.9	7467	6 8.4	-54 56	5.2	
5 31.5-54.9	6530	5 31.8	-54 58	6.6	
<u>5 48.2-55.2</u>	<u>6922</u>	<u>5 58.4</u>	<u>-48.3</u>	<u>-55</u>	
5 <sup>h</sup> 7 <sup>m</sup> 7.5 <sup>s</sup>					
6 15.9-55.5					
5 43.2-55.7	6821	5 43.7	-55 37	7.5	
5 47.9-56.3	6915	5 48.0	-56 12	4.7	
6 3.5-56.3	7334	6 3.3	-56 13	7	
6 21.5-56.3	7827	6 21.1	-56 19	6.0	

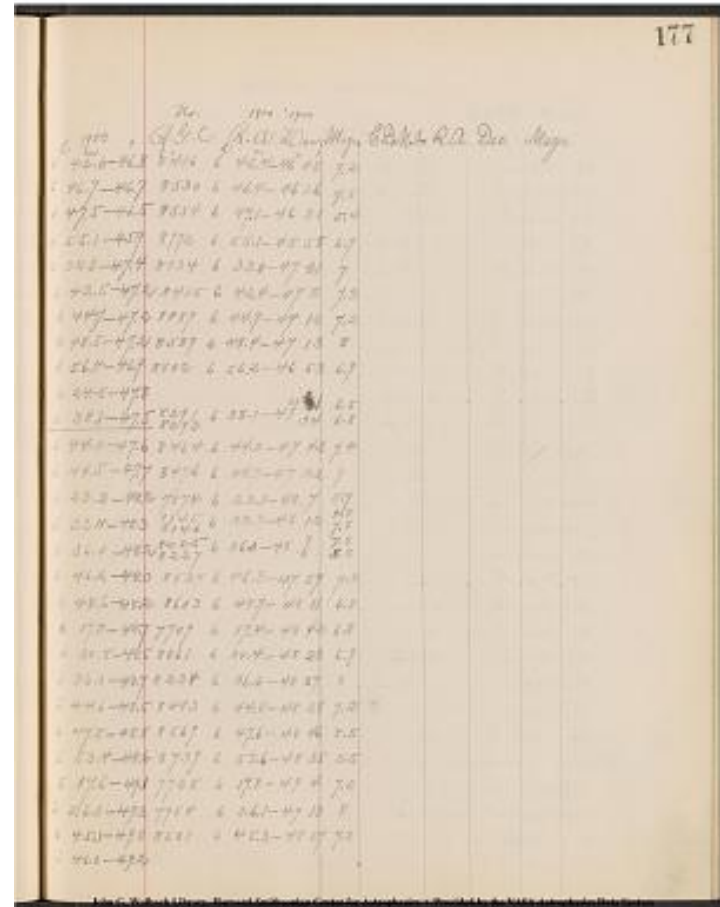
Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]176[[/preprinted]]  
6<sup>h</sup>4<sup>m</sup> -51.6<sup>s</sup>[[symbol-degree symbol]]  
January, 26, 1893  
Plate 4523  
[[table]]  
[V	H	C	Rem. No.	K line	Int
4.9|15.4|A| |K=H|2|  
4.7|16.8|A| |N|1|  
4.4|17.1|F|1341|K=H|3|  
3.6|19.9|A| |N|2|  
6.0|12.3|H| |N|1|  
5.6|15.4|A| |N|2|  
5.8|16.3|H| |N|1|  
5.8|17.5|H| |N|1|  
5.4|20.2|A| |N|2|  
7.0|9.5|A| |K=H|1|  
6.4|14.1|B|1342|K=H|2|  
6.5|15.9|A| |K=H|1|  
6.8|16.0|H| |N|1|  
7.7|9.1|A| |N|3|  
7.7|12.5|H| |N|1|  
7.5|13.4|K| |K=H|3|  
7.3|16.7|H| |N|1|  
7.6|17.6|K| |K=H|2|  
8.9|7.3|G| |K=H|1|  
8.3|11.5|F|1343|K=H|2|  
8.6|13.4|A| |K=H|1|  
8.2|16.2|F|1344|K=H|1|  
8.9|17.1|F|1345|K=H|1|  
8.5|19.2|Ma| |N|3|  
9.6|7.5|H| |N|1|  
9.8|10.2|A| |N|1|  
9.2|16.3|A| |K=H|1|  
9.4|16.7|A| |N|1|  
[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[table]]  
1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.|R.A.|Dec.|Magn.|  
|---|---|---|---|---|  
6^[[h]] 42.6^[[m]]-46.8^[[symbol-degree symbol]]|8416|6^[[h]]  
42.4^[[m]]-46^[[symbol-degree symbol]] 45|7.2| | | | |  
6 46.7-46.7|8530|6 46.4-46 36|7.5| | | | |  
6 47.5-46.5|8554|6 47.1-46 31|5.4| | | | |  
6 55.1-45.9|8772|6 55.1-45 58|6.9| | | | |  
6 32.8-47.4|8134|6 33.0-47 21|7| | | | |  
6 42.5-47.2|8415|6 42.4-47 8|7.3| | | | |  
6 44.7-47.2|8489|6 44.9-47 12|7.2| | | | |  
6 48.5-47.2|8589|6 48.4-47 13|8| | | | |  
6 56.4-46.9|8802|6 56.2-46 53|6.9| | | | |  
6 24.5-47.8| | | | | | |  
6 38.1-47.5|8291^|8292|6 38.1-47  
34^|[[~~31~~]]|6.8^[[6.5]]| | | | |  
6 44.0-47.6|8464|6 44.0-47 42|7.4| | | | |  
6 44.5-47.7|8476|6 44.7-47 32|9| | | | |  
6 23.2-48.2|7874|6 23.1-48 7|5.9| | | | |  
6 33.4-48.3|8146^|8155|6 33.3-48 12|7.8^|9.8| | | | |  
6 36.0-48.2|8227^|8225|6 36.0-48 8^|7|5.8^|7.8| | | | |  
6 46.2-48.0|8527|6 46.3-47 59|7.8| | | | |  
6 48.6-48.2|8603|6 48.9-48 11|6.8| | | | |  
6 17.5-48.7|7709|6 17.4-48 42|6.8| | | | |  
6 30.5-48.5|8061|6 30.4-48 28|6.9| | | | |  
6 36.0-48.7|8234|6 36.2-48 37|8| | | | |  
6 44.6-48.5|8483|6 44.8-48 28|7.2| | | | |  
6 47.5-48.8|8569|6 47.6-48 46|8.5| | | | |  
6 53.4-48.6|8739|6 53.6-48 35|5.5| | | | |  
6 17.6-49.1|7725|6 17.8-49 4|7.0| | | | |  
6 26.0-49.3|7954|6 26.1-49 13|8| | | | |  
6 45.1-49.0|8501|6 45.3-48 57|7.8| | | | |  
6 46.0-49.2| | | | | | |  
[[/table]]



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January 26, 1893

Plate 4523

[[table]]

V|H|C|Rem^[[No]]|K line|Int|

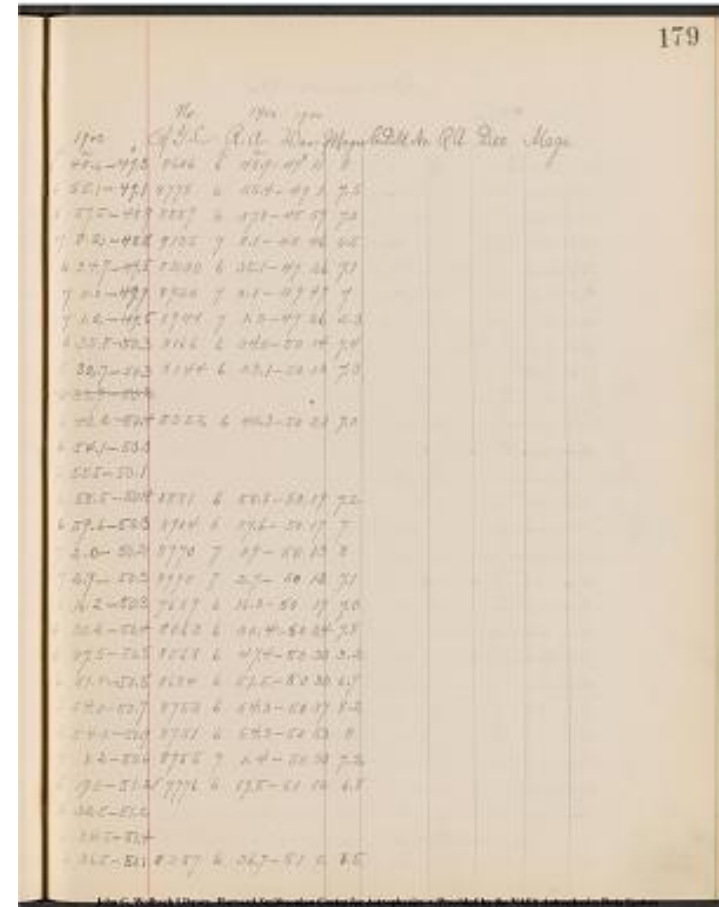
9.6	17.5	A		N	2
9.4	19.7	A		N	2
9.4	20.5	G		K=H	2
9.2	23.9	I		K=H	3
10.0	13.1	A		K=H	2
11.0	21.2	A		K=H	2
10.4	21.5	A		K=	2 3
11.5	12.7	F		1346	K=H 3
11.6	12.5	H		K=H	1
[[ask Mrs. F]]	11.7	12.8	G		K=H 1
11.9	14.8	A		N	2
11.3	19.3	A		N	1
11.5	19.7	A		N	1
12.0	20.6	A		N	2
12.0	20.9	A		N	2
11.9	21.7	Ma?		N	1
11.9	21.9	H		N	1
12.1	17.1	A		K=H	1
[[12.1 11.6?]]	12.1	12.6	F		1347 K=H 1
12.1	17.0	K		K=	1.3 4
12.2	18.3	I		K=H	2
12.6	19.2	A		N	1
13.0	19.2	H		N	1
12.5	21.5	Ma?		N	1
13.8	8.3	A		K=	5 2
13.5	12.3	F		1348	K=H 1
13.9	12.9	A		N	1
13.2	13.7	H		N	1

[[/table]]

178		January 26, 1893	
Plate 4523		H. C. Fleming	
9.6	17.5	A	N 2
9.4	19.7	A	N 2
9.4	20.5	G	K=H 2
9.2	23.9	I	K=H 3
10.0	13.1	A	K=H 2
11.0	21.2	A	K=H 2
10.4	21.5	A	K= 2 3
11.5	12.7	F	1346 K=H 3
11.6	12.5	H	K=H 1
ask Mrs. F.	11.7	12.8	G  K=H 1
11.9	14.8	A	N 2
11.3	19.3	A	N 1
11.5	19.7	A	N 1
12.0	20.6	A	N 2
12.0	20.9	A	N 2
11.9	21.7	Ma?	N 1
11.9	21.9	H	N 1
12.1	17.1	A	K=H 1
[[12.1 11.6?]]	12.1	12.6	F 1347 K=H 1
12.1	17.0	K	K=1.3 4
12.2	18.3	I	K=H 2
12.6	19.2	A	N 1
13.0	19.2	H	N 1
12.5	21.5	Ma?	N 1
13.8	8.3	A	K=.5 2
13.5	12.3	F	1348 K=H 1
13.9	12.9	A	N 1
13.2	13.7	H	N 1

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 [[table]]  
 1900[A.G.C. No.]R.A. 1900[Dec. 1900[Magn]C.D.M.  
 No.]R.A.[Dec.]Magn.]  
 -----  
 6^[[h]] 48.6^[[m]]-49.3^[[symbol-degree symbol]]]8606[6^[[h]]  
 48.9^[[m]]-49^[[symbol-degree symbol]]] 11'8 | | | |  
 6 55.1-49.1|8778|6 55.4|-49 1|7.5 | | | |  
 6 57.5-48.9|8857|6 57.8|-48 59|7.0 | | | |  
 7 8.2-48.8|9135|7 8.1|-48 46|5.5 | | | |  
 6 34.7-49.5|8200|6 35.1|-49 26|7.1 | | | |  
 7 0.0-49.9|8920|7 0.1|-49 47|7 | | | |  
 7 1.2-49.5|8948|7 1.3|-49 26|5.3 | | | |  
 6 33.8-50.3|8144|6 34.0|-50 14|7.4 | | | |  
 6 32.7-50.3|8144|6 33.1|-50 13|7.3 | | | |  
~~6 33.9-50.2~~ | | | | | | | |  
 6 40.2-50.4|8352|6 40.3|-50 21|7.0 | | | |  
 6 54.1-50.0 | | | | | | | |  
 6 55.5-50.1 | | | | | | | |  
 6 58.5-50.4|8881|6 58.8|-50 19|7.2 | | | |  
 6 59.6-50.3|8904|6 59.6|-50 17|7 | | | |  
 7 2.0-50.2|8970|7 1.9|-50 13|8 | | | |  
 7 2.9-50.3|8990|7 2.7|-50 12|7.1 | | | |  
 6 16.2-50.3|7689|6 16.3|-50 19|7.0 | | | |  
 6 30.2-50.4|8063|6 30.4|-50 24|7.8 | | | |  
 6 47.5-50.5|8568|6 47.4|-50 30|3.2 | | | |  
 5 51.4-50.5|8684|6 51.5|-50 30|6.7 | | | |  
 6 54.0-50.7|8753|6 54.3|-50 37|8.2 | | | |  
 6 54.0-50.9|8751|6 54.3|-50 53|8 | | | |  
 7 1.2-50.6|8955|7 1.4|-50 30|7.2 | | | |  
 6 19.0-51.2|7776|6 19.5|-51 12|6.8 | | | |  
 6 32.5-51.2 | | | | | | | |  
 6 34.5-51.4 | | | | | | | |  
 6 36.5-51.1|8257|6 36.7|-51 0|8.5 | | | |  
 [[/table]]



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January 26, 1893

Plate 4523

[[table]]

V|H|C|Rem. No.|K line|Int|

13.4	15.9	A		N 1
13.4	16.0	I		K=H 2
14.0	18.2	A		N 1
13.8	20.4	Ma?		N 2
13.9	24.2	A		N 2
[[V or H slightly wrong?]] 14.9 15.8 A  N 2				
14.3	7.0	A		N 1
14.6	11.3	F	1349	K=H 3
14.5	16.8	F	1350	K=H 1
15.5	8.0	H		N 1
15.5	9.0	I		K=H 2
15.6	12.0	I		K=H 2
15.7	13.2	A		N 2
15.8	15.4	A		K=H 1
15.3	15.6	H		K=H 2
15.7	15.7	I		K=H 2
16.0	21.1	B	1351	N 3
16.7	17.3	H		N 2
16.6	8.4	A		K=H 1
16.4	9.2	A	1352	N 5
16.5	9.8	A		N 1
16.8	12.6	A		N 3
16.8	13.6	H		N 1
16.6	13.9	H		N 1
16.4	14.5	A		K=H 1
16.6	17.1	A		N 2
16.3	19.3	F	1353	K=H 2
15.1	22.3	G		K=H 2

[[/table]]

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January 26, 1893

Plate 4523

V	H	C	Rem. No.	K line	Int
13.4	15.9	A		N 1	
13.4	16.0	I		K=H 2	
14.0	18.2	A		N 1	
13.8	20.4	Ma?		N 2	
13.9	24.2	A		N 2	
[[V or H slightly wrong?]] 14.9 15.8 A  N 2					
14.3	7.0	A		N 1	
14.6	11.3	F	1349	K=H 3	
14.5	16.8	F	1350	K=H 1	
15.5	8.0	H		N 1	
15.5	9.0	I		K=H 2	
15.6	12.0	I		K=H 2	
15.7	13.2	A		N 2	
15.8	15.4	A		K=H 1	
15.3	15.6	H		K=H 2	
15.7	15.7	I		K=H 2	
16.0	21.1	B	1351	N 3	
16.7	17.3	H		N 2	
16.6	8.4	A		K=H 1	
16.4	9.2	A	1352	N 5	
16.5	9.8	A		N 1	
16.8	12.6	A		N 3	
16.8	13.6	H		N 1	
16.6	13.9	H		N 1	
16.4	14.5	A		K=H 1	
16.6	17.1	A		N 2	
16.3	19.3	F	1353	K=H 2	
15.1	22.3	G		K=H 2	

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[[preprinted]]181[[/preprinted]]  
 [[table]]  
 1900[A.G.C. No.]R.A. 1900[Dec. 1900]Magn[C.D.M.  
 No.]R.A.[Dec.]Magn.]  
 -----  
 6^[[h]] 44.5^[[m]]-51.2^[[symbol-degree symbol]]]8465[6^[[h]]  
 44.0^[[m]]-51^[[symbol-degree symbol]]] 6^[[1]]]8.5| | | |  
 6 44.5-51.2|8473|6 44.5-51 10|6.1| | | |  
 6 51.1-51.5| | | | | | | |  
 6 58.1-51.3|8874|6 58.4-51 16|5.8| | | |  
 7 10.6-51.1|9195|7 10.2-51 2|7.8| | | |  
 6 43.0-52.1|8436|6 43.1-52 6|7.0| | | |  
 6 15.0-51.6| | | | | | | |  
 6 29.0-51.8|8034|6 29.0-51 45|6.1| | | |  
 6 47.0-51.7| | | | | | | |  
 6 17.7-52.1|7740|6 18.3-52 2|7.2| | | |  
 6 21.4-52.2|7831|6 21.4-52 8|6.4| | | |  
 6 31.1-52.3|8085|6 31.2-52 15|7| | | |  
 6 34.7-52.4|8193|6 34.9-52 15|8| | | |  
 6 42.1-52.2|8420|6 42.5-52 20|8.5| | | |  
 6 43.0-52.1|8437|6 43.1-52 6|7.0| | | |  
 6 43.3-52.3|8451|6 43.6-52 19|6.2| | | |  
 7 1.1-52.3|8944|7 1.1-52 16|6.8| | | |  
 6 47.5-52.7| | | | | | | |  
 6 19.0-52.7|7764|6 19.3-52 37|7.4| | | |  
 6 21.5-52.6|7843|6 21.8-52 39|0.4| | | |  
 6 22.7-52.6|7862|6 22.7-52 45|6.7| | | |  
 6 32.7-52.9|8133|6 32.8-52 53|4.8| | | |  
 6 36.4-52.9|8239|6 36.2-52 50|7.5| | | |  
 6 37.6-52.8|8274|6 37.4-52 44|7.5| | | |  
 6 38.9-52.7|8319|6 39.1-52 41|8| | | |  
 6 47.6-52.7|8581|6 48.0-52 41|7.5| | | |  
 6 55.0-52.5|8786|6 55.5-52 30|7.5| | | |  
 7 4.5-51.8|9046|7 4.8-51 48|6.8| | | |  
 [[/table]]

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Re 1900 1900

1900 A.G.C. No. R.A. 1900 Dec. 1900 Magn. C.D.M. No. R.A. Dec. Magn.

44.5-51.2	8473	6 44.5-51 10	6.1				
51.1-51.5							
58.1-51.3	8874	6 58.4-51 16	5.8				
10.6-51.1	9195	7 10.2-51 2	7.8				
43.0-52.1	8436	6 43.1-52 6	7.0				
15.0-51.6							
29.0-51.8	8034	6 29.0-51 45	6.1				
47.0-51.7							
17.7-52.1	7740	6 18.3-52 2	7.2				
21.4-52.2	7831	6 21.4-52 8	6.4				
31.1-52.3	8085	6 31.2-52 15	7				
34.7-52.4	8193	6 34.9-52 15	8				
42.1-52.2	8420	6 42.5-52 20	8.5				
43.0-52.1	8437	6 43.1-52 6	7.0				
43.3-52.3	8451	6 43.6-52 19	6.2				
1.1-52.3	8944	7 1.1-52 16	6.8				
47.5-52.7							
19.0-52.7	7764	6 19.3-52 37	7.4				
21.5-52.6	7843	6 21.8-52 39	0.4				
22.7-52.6	7862	6 22.7-52 45	6.7				
32.7-52.9	8133	6 32.8-52 53	4.8				
36.4-52.9	8239	6 36.2-52 50	7.5				
37.6-52.8	8274	6 37.4-52 44	7.5				
38.9-52.7	8319	6 39.1-52 41	8				
47.6-52.7	8581	6 48.0-52 41	7.5				
55.0-52.5	8786	6 55.5-52 30	7.5				
4.5-51.8	9046	7 4.8-51 48	6.8				

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January, 26, 1893.

Plate 4523

[[table]]

V|H|C|Rem. No.|K line|Int|

15.6	22.4	H		N	1
17.8	8.8	A		N	2
17.8	14.0	A		K=2	2
18.4	7.6	A		N	2
18.2	10.3	F		1354	K=H 1
18.3	13.6	F		1355	K=H 1
18.8	16.5	F		1356	K=H 1
18.1	16.9	G		K=1.2	3
18.8	24.0	A		N	2
19.3	8.8	A		N	1
19.3	12.2	F		1357	K=H 1
19.3	15.2	A		N	1
19.1	17.8	I		K=H	2
19.5	21.5	A		N	1
19.2	15.3	A		N	2
20.4	15.3	A		N	2
20.3	16.0	G		K=H	2
20.4	16.3	A		K=H	1
20.1	18.0	A		N	1
21.4	5.6	A		N	3
21.2	12.1	H		N	1
21.6	13.5	H		N	1
21.1	15.0	A		N	1
21.9	16.2	I		K=H	2
22.0	7.6	A		N	1
22.7	10.0	A		K=H	1
23.0	15.0	A		K=H	1
22.8	16.9	F		1358	K=H 1

[[/table]]

Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]183[[/preprinted]]  
[[table]]  
1900|A.G.C No.|R.A. 1900|Dec. 1900|Magn.|C.D.M.No.|R.A|  
Dec.|Magn.|  
|---|---|---|---|---|---|---|  
7<sup>h</sup>|<sup>m</sup>|<sup>s</sup>|<sup>ms</sup>|<sup>ms</sup>|<sup>ms</sup>|<sup>ms</sup>|  
52<sup>h</sup>|3<sup>m</sup>|7.0<sup>s</sup>| | | | | |  
6 20.2-53.4|7799|6 20.1|-53 17|6.7| | | | |  
6 38.0-53.4|8278|6 37.5|-53 21|7| | | | |  
6 15.5-53.6|7677|6 15.9|-53 32|6.9| | | | |  
6 25.4-53.6| | | | | | | | |  
6 36.5-53.6|8247|6 36.3|-53 33|8.2| | | | |  
6 45.9-53.8|8539|6 46.5|-53 54|8.2| | | | |  
6 47.0-53.5|8573|6 47.6|-53 31|4.8| | | | |  
7 11.1-53.5|9233|7 11.5|-53 29|6.9| | | | |  
6 19.5-54.0| | | | | | | | |  
6 31.4-54.2| | | | | | | | |  
6 41.6-54.3| | | | | | | | |  
6 50.4-53.9|8657|6 50.6|-53 58|7| | | | |  
7 3.4-54.1|9007|7 3.3|-53 58|8| | | | |  
6 ~~41.5~~|~~41.5~~|~~42.0~~|~~42.0~~|~~54.2~~|~~54.2~~|~~54.2~~|~~54.2~~|  
36|6.4| | | | | | | |  
6 42.0-54.8|8408|6 42.1|-54 38|6.8| | | | |  
6 44.5-54.6|8487|6 44.6|-54 36|7| | | | |  
6 45.5-54.8|8516|6 45.6|-54 39|8| | | | |  
6 51.0-54.5| | | | | | | | |  
6 8.5-54.9|7467|6 8.4|-54 56|5.2| | | | |  
6 30.5-55.1|~~8222~~|~~8222~~|~~55.1~~|~~55.1~~|~~55.1~~|~~55.1~~|  
35.7|~~55.1~~|~~55.1~~|~~55.1~~|  
15|~~55.1~~|~~55.1~~|~~55.1~~|  
6 35.2-55.3|8222|6 35.7|-55 15|7.2| | | | |  
6 41.0-55.2|8371|6 40.9|-55 1|8.5| | | | |  
6 45.5-55.5|8511|6 45.4|-55 26|6.3| | | | |  
6 14.6-55.5| | | | | | | | |  
6 23.1-55.8|7884|6 23.3|-55 40|8| | | | |  
6 41.0-56.1|8373|6 41.0|-55 55|7.8| | | | |  
6 48.0-55.9|8588|6 48.1|-55 47|7.8| | | | |  
[[/table]]

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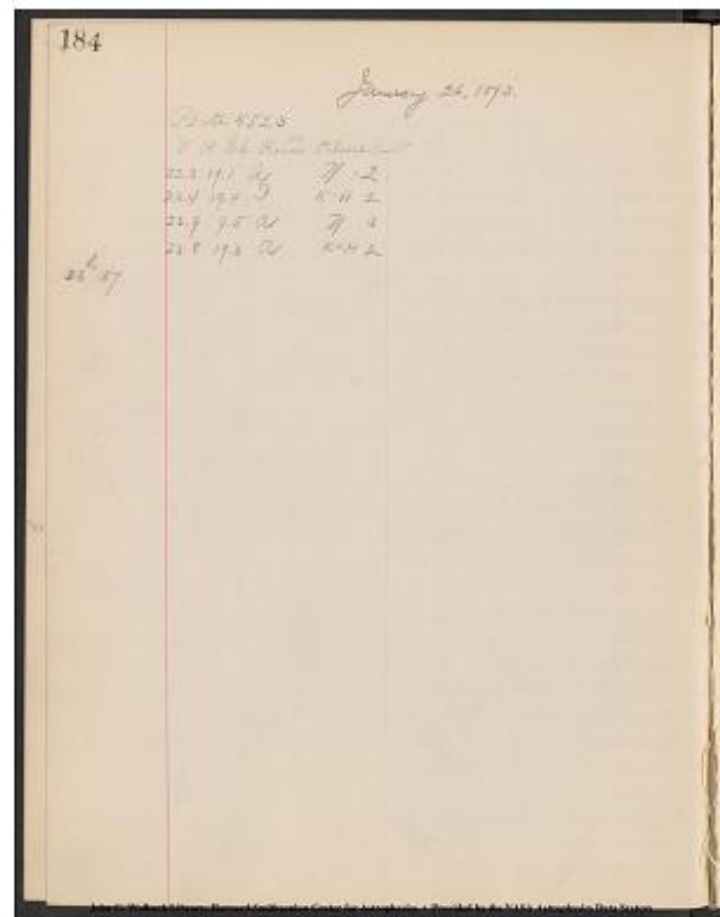
No. on spec. plate

1900 A.G.C. No. R.A. 1900 Dec. 1900 Magn. C.D.M. No. R.A. Dec. Magn.

52 <sup>h</sup> 3 <sup>m</sup> 7.0 <sup>s</sup>						
6 20.2-53.4	7799	6 20.1	-53 17	6.7		
6 38.0-53.4	8278	6 37.5	-53 21	7		
6 15.5-53.6	7677	6 15.9	-53 32	6.9		
6 25.4-53.6						
6 36.5-53.6	8247	6 36.3	-53 33	8.2		
6 45.9-53.8	8539	6 46.5	-53 54	8.2		
6 47.0-53.5	8573	6 47.6	-53 31	4.8		
7 11.1-53.5	9233	7 11.5	-53 29	6.9		
6 19.5-54.0						
6 31.4-54.2						
6 41.6-54.3						
6 50.4-53.9	8657	6 50.6	-53 58	7		
7 3.4-54.1	9007	7 3.3	-53 58	8		
6 <del>41.5</del>	<del>41.5</del>	<del>42.0</del>	<del>42.0</del>	<del>54.2</del>	<del>54.2</del>	<del>54.2</del>
36 6.4						
6 42.0-54.8	8408	6 42.1	-54 38	6.8		
6 44.5-54.6	8487	6 44.6	-54 36	7		
6 45.5-54.8	8516	6 45.6	-54 39	8		
6 51.0-54.5						
6 8.5-54.9	7467	6 8.4	-54 56	5.2		
6 30.5-55.1	<del>8222</del>	<del>8222</del>	<del>55.1</del>	<del>55.1</del>	<del>55.1</del>	<del>55.1</del>
35.7  <del>55.1</del>	<del>55.1</del>	<del>55.1</del>	<del>55.1</del>	<del>55.1</del>	<del>55.1</del>	<del>55.1</del>
15  <del>55.1</del>	<del>55.1</del>	<del>55.1</del>	<del>55.1</del>	<del>55.1</del>	<del>55.1</del>	<del>55.1</del>
6 35.2-55.3	8222	6 35.7	-55 15	7.2		
6 41.0-55.2	8371	6 40.9	-55 1	8.5		
6 45.5-55.5	8511	6 45.4	-55 26	6.3		
6 14.6-55.5						
6 23.1-55.8	7884	6 23.3	-55 40	8		
6 41.0-56.1	8373	6 41.0	-55 55	7.8		
6 48.0-55.9	8588	6 48.1	-55 47	7.8		

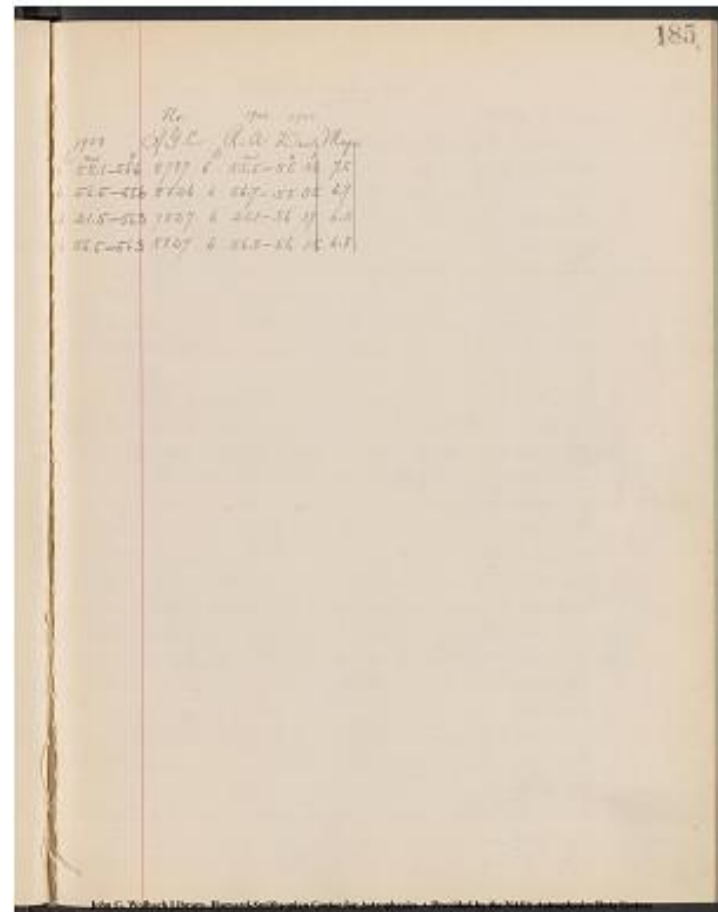
Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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 January 26, 1893  
 Plate 4523  
 [[table]]  
 |V|H|C|Rem. No.|K line|Int|  
 |---|---|---|---|---|  
 22.3|19.1|A| |N|2|  
 22.4|19.4|I| |K=H|2|  
 23.9|9.5|A| |N|3|  
 23.8|19.3|A| |K=H|2|  
 [[/table]]  
 23^[[h]] 57



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[[preprinted]]185[[/preprinted]]  
 [[table]]  
 1900|A.G.C No.|R.A. 1900|Dec 1900|Magn.|  
 |---|---|---|---|  
 6<sup>h</sup>[[h]] 55.1<sup>m</sup>[[m]]-55.6<sup>h</sup>[[symbol-degree symbol]]8789|6<sup>h</sup>[[h]] 55.5<sup>m</sup>[[m]]-  
 55<sup>h</sup>[[symbol-degree symbol]]32'|7.5|  
 6 56.5-55.6|8826|6 56.7|-55 35|6.9|  
 6 21.5-56.3|7827|6 27.1|-56 19|6.0|  
 6 56.5-56.3|8827|6 56.8|-56 15|6.8|  
 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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 [[underlined]]January 29, 1893. [[/underlined]]  
 Plate 5881 R.A. 11<sup>h</sup> 18<sup>m</sup> Dec.-49  
 23<sup>h</sup> 36<sup>m</sup>  
 [[table]]  

V	H	C	Rem. No.	K line	Int.
4.1	6.1	A		N	3
5.0	8.5	F	1359	K=H	1
4.9	11.0	I		K=H	2
5.0	11.8	A		N	1
5.4	14.3	I		K=H	3
6.0	17.3	H		N	1
5.4	17.4	A		N	1
5.6	17.5	H		N	1
6.8	11.6	A		N	1
7.0	12.7	H		N	1
6.4	16.3	F	1360	K=H	1
6.2	21.6	A		N	1
6.8	24.3	I		K=H	3
7.3	10.2	H		N	1
7.8	12.2	F	1361	K=H	3
7.5	13.6	A		K=H	2
7.8	13.9	H		N	1
7.8	15.3	I		K=H	2
7.8	16.3	H		N	1
7.7	19.7	A		K=H	2
7.7	20.3	H		N	1
7.6	21.0	A		N	1
7.6	22.3	A		N	3
8.1	5.7	H		K=H	1
8.4	8.2	A		N	1
8.6	10.8	A		K=	2
8.9	12.4	A		N	1
8.3	12.8	A		N	1

 [[/table]]

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January 29, 1893  
 Plate 5881 R.A. 11<sup>h</sup> 18<sup>m</sup> Dec.-49

4.1	6.1	A		N	3
5.0	8.5	F	1359	K=H	1
4.9	11.0	I		K=H	2
5.0	11.8	A		N	1
5.4	14.3	I		K=H	3
6.0	17.3	H		N	1
5.4	17.4	A		N	1
5.6	17.5	H		N	1
6.8	11.6	A		N	1
7.0	12.7	H		N	1
6.4	16.3	F	1360	K=H	1
6.2	21.6	A		N	1
6.8	24.3	I		K=H	3
7.3	10.2	H		N	1
7.8	12.2	F	1361	K=H	3
7.5	13.6	A		K=H	2
7.8	13.9	H		N	1
7.8	15.3	I		K=H	2
7.8	16.3	H		N	1
7.7	19.7	A		K=H	2
7.7	20.3	H		N	1
7.6	21.0	A		N	1
7.6	22.3	A		N	3
8.1	5.7	H		K=H	1
8.4	8.2	A		N	1
8.6	10.8	A		K=	2
8.9	12.4	A		N	1
8.3	12.8	A		N	1

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January 29, 1893

Plate 5881

[[table]]

V|H|C|Rem. No.|K line|Int.|

8.6|15.2|F|1362|K=H|1|

8.2|17.3|A| |N|1|

8.2|20.2|A| |K=H|1|

8.9|21.0|H| |N|1|

8.8|22.5|F|1363|K=H|1|

[[9.0 22.9?]] 9.0|21.9|F|1364|K=H|1|

8.5|23.6|A| |N|2|

9.6|6.7|A| |N|2|

9.2|7.7|A| |N|1|

[[H=11.0?]] 10.0|10.0|F|1365|K=H|2|

9.7|17.2|A| |K=H|1|

9.1|18.1|A| |N|1|

9.4|23.9|F|1366|K=H|1|

10.1|8.5|A| |N|1|

10.9|8.7|A| |N|3|

10.1|11.1|F|1367|K=H|3|

10.6|12.2|H| |K=H|1|

10.8|13.1|A| |N|1|

10.9|13.3|A| |N|1|

10.7|13.4|I| |K=H|2|

10.9|15.0|E| |K=H|1|

10.9|15.3|H| |K=H|1|

10.3|15.7|A| |K=H|1|

10.7|16.1|A| |K=.5|1|

[[H=17.8?]] 10.1|17.2|A| |N|2|

10.0|18.2|A| |N|1|

10.6|18.6|Ma| |N|2|

10.6|19.3|A| |K=H|2|

[[/table]]

Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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 January, 29, 1893  
 Plate 5881  
 [[table]]  

V	H	Cl.	Remark No.	K line	Int.
11.3	8.3	A		K=H 3	
11.3	10.5	A		N 1	
11.6	11.4	F	1368	K=H 1	
11.7	12.2	A		N 3	
11.4	15.8	H		K=H 1	
11.8	16.7	F	1369	K=H 1	
11.2	18.8	A		K=.5 4	
12.0	19.1	F	1370	K=H 1	
11.4	19.3	K		K=H 3	
11.7	19.7	H		N 2	
13.0	5.7	A		K=H 1	
12.5	8.5	A		N 2	
12.6	9.4	A		N 1	
12.9	9.9	A		N 1	
12.5	12.1	F	1371	K=H 1	
12.3	13.3	E		K=H 1	
12.7	13.5	A		N 1	
12.9	14.1	H		N 1	
12.4	18.8	H		N 1	
12.7	19.1	A		N 1	
13.0	19.6	H		N 1	
12.5	20.9	H		N 1	
13.8	7.7	A		N 1	
13.4	8.8	A		N 1	
13.2	9.5	H		K=H 2	
13.2	10.1	A		N 1	
13.2	10.3	A		N 1	
14.0	11.1	A		K=.3 4	

 [[/table]]

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January 29, 1893

Plate 5881

V H Cl. Remark No. K line Int.

11.3	8.3	A		K=H 3	
11.3	10.5	A		N 1	
11.6	11.4	F	1368	K=H 1	
11.7	12.2	A		N 3	
11.4	15.8	H		K=H 1	
11.8	16.7	F	1369	K=H 1	
11.2	18.8	A		K=.5 4	
12.0	19.1	F	1370	K=H 1	
11.4	19.3	K		K=H 3	
11.7	19.7	H		N 2	
13.0	5.7	A		K=H 1	
12.5	8.5	A		N 2	
12.6	9.4	A		N 1	
12.9	9.9	A		N 1	
12.5	12.1	F	1371	K=H 1	
12.3	13.3	E		K=H 1	
12.7	13.5	A		N 1	
12.9	14.1	H		N 1	
12.4	18.8	H		N 1	
12.7	19.1	A		N 1	
13.0	19.6	H		N 1	
12.5	20.9	H		N 1	
13.8	7.7	A		N 1	
13.4	8.8	A		N 1	
13.2	9.5	H		K=H 2	
13.2	10.1	A		N 1	
13.2	10.3	A		N 1	
14.0	11.1	A		K=.3 4	

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Plate 5881

[[table]]

V|H|Cl|Rem No.|K line|Int|

13.1	11.6	I		N 2	
13.5	13.0	A		N 2	
14.0	13.7	F	1372	K=H 1	
13.4	14.1	A		K=3 2	
13.8	14.2	A		N 2	
14.0	15.1	H		N 1	
13.6	16.6	A		N 1	
13.6	18.1	E		K=H 1	
14.3	7.1	F	1373	K=H 1	
14.2	7.3	F	1374	K=H 1	
14.4	8.6	E		K=H 1	
14.8	8.7	A		N 3	
14.2	11.8	F	1375	K=H 1	
14.5	14.0	H		N 1	
14.9	16.0	H		N 1	
14.1	8.4	K		K=H 3	
14.4	20.1	A		N 1	
15.0	20.2	A		N 1	
14.4	21.6	I		K=H 2	
14.2	21.8	I		K=H 2	
15.0	24.0	A		N 2	
15.5	7.2	A		N 1	
15.3	8.9	A		N 1	
16.0	9.6	A		N 1	
15.4	9.9	A		K=H 1	
15.2	10.6	A		N 3	
15.8	10.9	A		N 1	
15.6	11.1	A		N 1	

[[/table]]

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Plate 5881

Wavelength (Å) | Intensity | Identification

13.1	11.6	I
13.5	13.0	A
14.0	13.7	F 1372 K=H 1
13.4	14.1	A K=3 2
13.8	14.2	A N 2
14.0	15.1	H N 1
13.6	16.6	A N 1
13.6	18.1	E K=H 1
14.3	7.1	F 1373 K=H 1
14.2	7.3	F 1374 K=H 1
14.4	8.6	E K=H 1
14.8	8.7	A N 3
14.2	11.8	F 1375 K=H 1
14.5	14.0	H N 1
14.9	16.0	H N 1
14.1	8.4	K K=H 3
14.4	20.1	A N 1
15.0	20.2	A N 1
14.4	21.6	I K=H 2
14.2	21.8	I K=H 2
15.0	24.0	A N 2
15.5	7.2	A N 1
15.3	8.9	A N 1
16.0	9.6	A N 1
15.4	9.9	A K=H 1
15.2	10.6	A N 3
15.8	10.9	A N 1
15.6	11.1	A N 1

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[[table]]  
1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.|R.A.|Dec.|Magn|  
-----|-----|-----|-----|-----|  
^[[h]] 8.2^[[m]]-49.2^[[symbol-degree symbol]]|15357|11^[[h]] 8.4^[[h]]-  
49^[[symbol-degree symbol]] 11|6.6| | | | |  
17.5-49.3| | | | | | | | |  
11 18.1-49.4| | | | | | | | |  
11 19.9-49.5|15610|11 20.3-49 30|9.5| | | | |  
11 25.5-49.1| | | | | | | | |  
11 28.0-49.5| | | | | | | | |  
11 31.4-49.4| | | | | | | | |  
11 40.7-49.0| | | | | | | | |  
11 40.7-49.3|16078|11 40.7-49|17|8.5| | | | |  
11 41.0-49.5|16087|11 40.9-49|23|8.5| | | | |  
11 45.5-49.0|16160|11 45.1-48|59|8.5| | | | |  
10 58.1-49.7| | | | | | | | |  
11 2.0-49.9|15200|11 1.8-49|54|7.5| | | | |  
11 6.7-49.7|15321|11 6.9-49|37|8.5| | | | |  
11 8.5-49.6|15366|11 8.6-49|35|7.0| | | | |  
11 10.2-49.4| | | | | | | | |  
11 19.0-49.9| | | | | | | | |  
11 21.7-49.6| | | | | | | | |  
11 26.0-50.0| | | | | | | | |  
11 28.0-50.0| | | | | | | | |  
11 29.0-49.9|15804|11 29.0-49|53|8.5| | | | |  
11 35.0-49.9|15944|11 35.0-49|58|6.8| | | | |  
11 36.6-49.6|15978|11 36.3-49|38|8| | | | |  
11 36.6-49.5| | | | | | | | |  
11 38.0-49.8|16012|11 37.8-49|52|8.5| | | | |  
11 43.5-49.5|16130|11 43.2-49|26|9| | | | |  
11 45.4-49.8|16155|11 45.0-49|46|8.5| | | | |

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No. 1914 1915

A.G.C. No. R.A. 1900 Magn. C.D.M. Dec. 1900

17.5-49.3	15357	11 8.4-49	6.6	
17.5-49.3				
18.1-49.4				
19.9-49.5	15610	11 20.3-49 30	9.5	
25.5-49.1				
28.0-49.5				
31.4-49.4				
40.7-49.0				
40.7-49.3	16078	11 40.7-49	17	8.5
41.0-49.5	16087	11 40.9-49	23	8.5
45.5-49.0	16160	11 45.1-48	59	8.5
58.1-49.7				
2.0-49.9	15200	11 1.8-49	54	7.5
6.7-49.7	15321	11 6.9-49	37	8.5
8.5-49.6	15366	11 8.6-49	35	7.0
10.2-49.4				
19.0-49.9				
21.7-49.6				
26.0-50.0				
28.0-50.0				
29.0-49.9	15804	11 29.0-49	53	8.5
35.0-49.9	15944	11 35.0-49	58	6.8
36.6-49.6	15978	11 36.3-49	38	8
36.6-49.5				
38.0-49.8	16012	11 37.8-49	52	8.5
43.5-49.5	16130	11 43.2-49	26	9
45.4-49.8	16155	11 45.0-49	46	8.5

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Plate 5881

[[table]]

V|H|Cl|Rem. No.|K line|Int|

17.5	6.2	1379	K=H 1
17.7	16.4	A	N 3
17.2	9.1	A	N 1
17.9	9.4	I	K=H 2
17.7	12.6	F 1380	K=H 1
17.2	13.0	A	N 1
17.3	14.6	I	K=H 2
17.5	16.1	A	N 2
17.7	17.0	F 1381	K=H 1
17.8	17.6	E	K=H 1
17.7	17.7	H	N 1
17.3	18.5	A	K=5 2
7.4	18.6	A	K=5 2
17.9	18.9	A	K=14 1
17.3	20.4	F 1382	K=H 2
17.7	22.9	I	K=H 2
18.1	8.3	H	N 1
18.1	8.5	H	N 1
18.7	8.6	A	N 3
18.4	9.3	G	K=H 2
18.6	11.7	A	K=H 1
18.6	12.1	F 1383	K=H 1
18.7	12.8	A	N 1
18.6	17.7	A	N 2
18.4	18.4	Ma?	N 1
18.7	19.6	H	N 1
19.0	22.6	A	N 2

[[/table]]

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Plate 5881	
17.5 6.2 1379 K=H 1	
17.7 16.4 A	N 3
17.2 9.1 A	N 1
17.9 9.4 I	K=H 2
17.7 12.6 F 1380	K=H 1
17.2 13.0 A	N 1
17.3 14.6 I	K=H 2
17.5 16.1 A	N 2
17.7 17.0 F 1381	K=H 1
17.8 17.6 E	K=H 1
17.7 17.7 H	N 1
17.3 18.5 A	K=5 2
7.4 18.6 A	K=5 2
17.9 18.9 A	K=14 1
17.3 20.4 F 1382	K=H 2
17.7 22.9 I	K=H 2
18.1 8.3 H	N 1
18.1 8.5 H	N 1
18.7 8.6 A	N 3
18.4 9.3 G	K=H 2
18.6 11.7 A	K=H 1
18.6 12.1 F 1383	K=H 1
18.7 12.8 A	N 1
18.6 17.7 A	N 2
18.4 18.4 Ma?	N 1
18.7 19.6 H	N 1
19.0 22.6 A	N 2

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 [[table]]  
 1900|No. A.G.C.|1900 R.A|1900 Dec.|1900 Magn|C.D.M. No.|R.A.  
 Dec|Magn|  
 ---|---|---|---|---|---|---|  
 10<sup>h</sup>|52.3<sup>m</sup>|50.1|  
 symbol|14972|10<sup>h</sup>|52.3<sup>m</sup>|50|  
 symbol|4|7.4|  
 10 52.6-50.2|14982|10 52.8-50 14|6.4| | | | |  
 11 1.0-50.0| | | | | | | | |  
 11 2.0-50.4|15206|11 2.0-50 25|6.8| | | | |  
 11 12.5-50.4|15445|11 12.2-50 23|8| | | | |  
 11 13.5-50.2| | | | | | | | |  
 11 18.5-50.3|15568|11 18.3-50 14|7.2| | | | |  
 11 22.6-50.2| | | | | | | | |  
 11 23.4-50.3|15675|11 23.4-50 18|8.2| | | | |  
 11 26.0-50.4| | | | | | | | |  
 11 28.0-50.4| | | | | | | | |  
 11 28.5-50.3| | | | | | | | |  
 11 30.5-50.1|15840|11 30.8-50 10|8.2| | | | |  
 11 31.0-50.1|15846|11 31.2-50 11|7.8| | | | |  
 11 32.2-50.3| | | | | | | | |  
 11 37.0-50.5|15990|11 36.9-50 4|7.2| | | | |  
 11 45.4-50.2| | | | | | | | |  
 11 58.~~5~~|~~5~~|2-50.5| | | | | | | |  
 11 59.0-50.5|15126|10 58.8-50 27|8| | | | |  
 11 59.0-50.8|15195|11 1.6-50 40|6.6| | | | |  
 11 9.5-50.8| | | | | | | | |  
 11 10.6-50.8| | | | | | | | |  
 11 13.0-50.9| | | | | | | | |  
 11 28.5-50.8|15794|11 28.6-50 48|8.5| | | | |  
 11 30.6-50.7|15836|11 30.7-50 44|8| | | | |  
 11 34.5-50.9|15928|11 34.5-50 52|8| | | | |  
 11 44.3-50.9|16141|11 44.0-50 51|8.2| | | | |  
 [[/table]]

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1900 R.A. 1900 Dec. 1900 Magn. C.D.M. No. R.A. Dec. Magn.

10	52.6-50.2	14982	10	52.8-50	14	6.4				
11	1.0-50.0									
11	2.0-50.4	15206	11	2.0-50	25	6.8				
11	12.5-50.4	15445	11	12.2-50	23	8				
11	13.5-50.2									
11	18.5-50.3	15568	11	18.3-50	14	7.2				
11	22.6-50.2									
11	23.4-50.3	15675	11	23.4-50	18	8.2				
11	26.0-50.4									
11	28.0-50.4									
11	28.5-50.3									
11	30.5-50.1	15840	11	30.8-50	10	8.2				
11	31.0-50.1	15846	11	31.2-50	11	7.8				
11	32.2-50.3									
11	37.0-50.5	15990	11	36.9-50	4	7.2				
11	45.4-50.2									
11	<del>58.</del>	<del>5</del>		<del>2-50.5</del>						
11	59.0-50.5	15126	10	58.8-50	27	8				
11	59.0-50.8	15195	11	1.6-50	40	6.6				
11	9.5-50.8									
11	10.6-50.8									
11	13.0-50.9									
11	28.5-50.8	15794	11	28.6-50	48	8.5				
11	30.6-50.7	15836	11	30.7-50	44	8				
11	34.5-50.9	15928	11	34.5-50	52	8				
11	44.3-50.9	16141	11	44.0-50	51	8.2				

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Plate 5881

[[table]]

V. | H. | Cl. | No. | Rem. | K line | Int. |

19.0 | 22.1 | H | | N | 1 |

18.6 | 22.8 | F | 1384 | K=H | 1 |

19.7 | 7.5 | A | | N | 3 |

19.3 | 8.2 | A | | N | 1 |

19.5 | 8.7 | H | | N | 1 |

19.2 | 9.4 | H | | N | 1 |

19.4 | 11.3 | A | | N | 1 |

19.4 | 11.7 | H | | N | 1 |

19.6 | 15.1 | A | | K=H | 1 |

20.0 | 16.1 | H | | K=H | 1 |

19.2 | 16.6 | F | 1385 | K=H | 2 |

19.2 | 17.2 | A | | N | 1 |

20.0 | 17.5 | Ma | | N | 1 |

19. | ~~18.3~~ | A | | ~~N~~ | 1 |

19.8 | 19.5 | A | | N | 1 |

19.4 | 19.6 | H | | N | 1 |

19.1 | 19.9 | H | | N | 1 |

19.2 | 21.3 | A | | N | 2 |

19.7 | 22.9 | A | | N | 2 |

19.3 | 23.5 | A | | N | 1 |

19.0 | 23.7 | | | K=H | 2 |

20.0 | 6.6 | A | | N | 1 |

20.3 | 7.1 | A | | N | 1 |

20.0 | 7.7 | A | | N | 2 |

20.2 | 7.8 | A | | N | 3 |

20.7 | 10.1 | A | | K=H | 3 |

21.0 | 10.8 | A | | K=H | 1 |

[[/table]]

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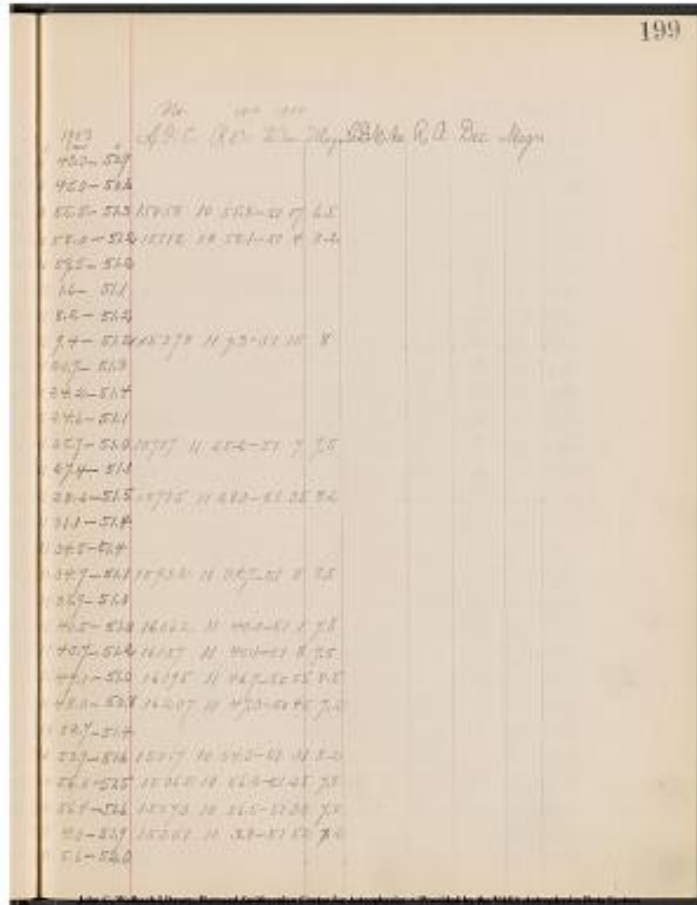
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Plate 5881

19.0	22.1	H		N	1
18.6	22.8	F	1384	K=H	1
19.7	7.5	A		N	3
19.3	8.2	A		N	1
19.5	8.7	H		N	1
19.2	9.4	H		N	1
19.4	11.3	A		N	1
19.4	11.7	H		N	1
19.6	15.1	A		K=H	1
20.0	16.1	H		K=H	1
19.2	16.6	F	1385	K=H	2
19.2	17.2	A		N	1
20.0	17.5	Ma		N	1
19.	<del>18.3</del>	A		<del>N</del>	1
19.8	19.5	A		N	1
19.4	19.6	H		N	1
19.1	19.9	H		N	1
19.2	21.3	A		N	2
19.7	22.9	A		N	2
19.3	23.5	A		N	1
19.0	23.7			K=H	2
20.0	6.6	A		N	1
20.3	7.1	A		N	1
20.0	7.7	A		N	2
20.2	7.8	A		N	3
20.7	10.1	A		K=H	3
21.0	10.8	A		K=H	1

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[[table]]  
1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.|R.A.|Dec.|Magn|  
|---|---|---|---|---|  
11^[[h]] 43.0^[[m]]-50.9^[[symbol-degree symbol]] | | | | | | | |  
11 45.0-50.6 | | | | | | | |  
10 55.5-51.3 | 15058 | 10 55.8-51 17 | 6.5 | | | | |  
10 58.0-51.2 | 15112 | 10 58.1-51 4 | 8.2 | | | | |  
10 59.5-51.2 | | | | | | | |  
11 1.6-51.1 | | | | | | | |  
11 8.2-51.2 | | | | | | | |  
11 9.4-51.2 | 15378 | 11 9.3-51 15 | 8 | | | | |  
11 20.7-51.3 | | | | | | | |  
11 24.2-51.4 | | | | | | | |  
11 24.6-51.1 | | | | | | | |  
11 25.7-51.0 | 15717 | 11 25.2-51 7 | 7.5 | | | | |  
11 27.4-51.1 | | | | | | | |  
11 28.3-51.5 | 15785 | 11 28.0-51 35 | 8.2 | | | | |  
11 31.1-51.4 | | | | | | | |  
11 34.5-51.4 | | | | | | | |  
11 34.7-51.1 | 15932 | 11 34.7-51 8 | 8.5 | | | | |  
11 35.9-51.0 | | | | | | | |  
11 40.5-51.0 | 16062 | 11 40.0-51 1 | 7.5 | | | | |  
11 45.7-51.2 | 16157 | 11 45.1-51 8 | 7.5 | | | | |  
11 47.1-51.0 | 16195 | 11 46.7-50 55 | 8.5 | | | | |  
11 48.0-50.8 | 16207 | 11 47.3-50 45 | 7.2 | | | | |  
11 52.7-51.4 | | | | | | | |  
10 53.9-51.6 | 15017 | 10 54.3-51 31 | 8.2 | | | | |  
10 56.0-51.5 | 15062 | 10 56.2-51 25 | 7.8 | | | | |  
10 56.4-51.6 | 15073 | 10 56.5-51 32 | 7.0 | | | | |  
11 4.0-51.9 | 15251 | 11 3.8-51 52 | 7.2 | | | | |  
11 5.6-52.0 | | | | | | | |  
[[/table]]



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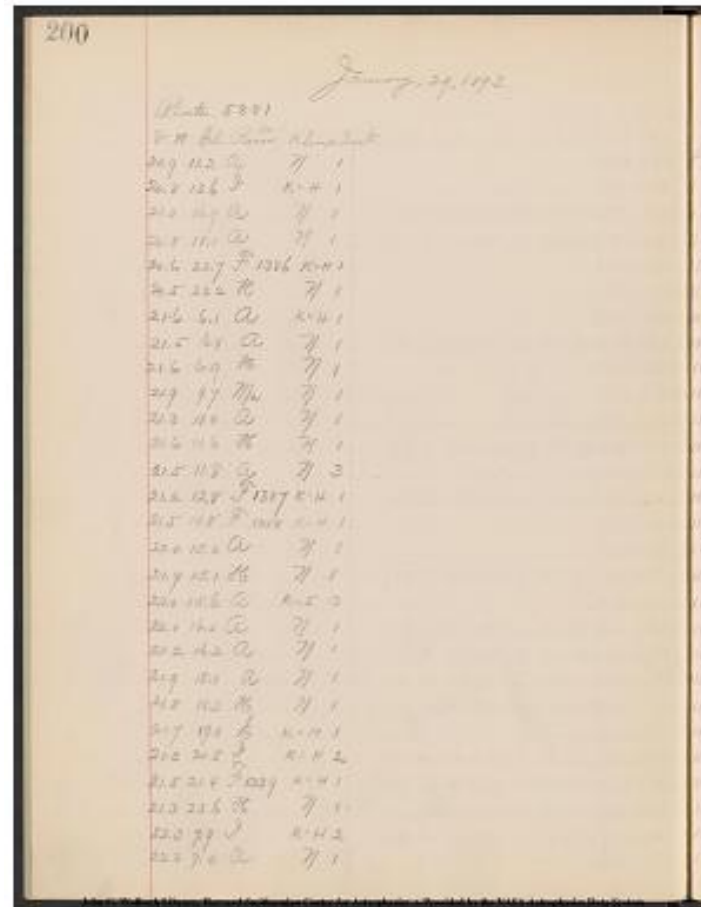
Plate 5881

[[table]]

|V|H|CL|Rem No.|K line|Int|

20.9	11.2	A	N 1
20.8	13.6	I	K=H 1
21.0	16.9	A	N 1
20.8	18.1	A	N 1
20.6	22.7	F	1386 K=H 1
20.5	23.2	H	N 1
21.6	6.1	A	K=H 1
21.5	6.4	A	N 1
21.6	6.9	H	N 1
21.9	9.7	MA	N 1
21.3	11.0	A	N 1
21.6	11.6	H	N 1
21.5	11.8	A	N 3
21.2	12.8	F	1387 K=H 1
21.5	14.8	F	1388 K=H 1
22.0	15.0	A	N 1
21.9	15.1	H	N 1
22.0	15.6	A	K=5 3
22.0	16.0	A	N 1
21.2	16.2	A	N 1
21.9	18.0	A	N 1
21.8	18.3	H	N 1
21.7	19.0	E	K=H 1
21.3	20.8	I	K=H 2
21.5	21.4	F	1389 K=H 1
21.3	23.6	H	N 1
22.3	7.9	I	K=H 2
22.3	9.0	A	N 1

[[/table]]



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[[table]]

V|H|Cl|Rem. No.|K line|Int|

22.6	9.7	A		N	2
22.3	11.8	K		K=H	3
22.1	12.8	H		N	1
22.8	13.7	A		N	2
23.0	13.8	H		N	1
22.5	14.5	A		N	3
22.3	14.8	A		N	1
22.9	15.3	A		N	1
23.0	16.5	A		N	1
22.5	17.7	H		N	1
22.3	18.1	I		K=H	2
22.8	21.4	A		N	1
23.2	7.5	F		1390	K=H 2
23.6	7.7	A		N	2
23.3	13.3	A		N	1
23.6	17.5	A		N	1
23.8	19.8	Ma		N	2
23.6	20.8	A		N	1
23.5	21.8	A		N	1
24.5	6.5	A		N	2
24.4	9.0	L		K=H	2
24.2	10.1	A		N	1
23.9	14.3	A		K=H	1
24.3	18.0	A		N	4

[[/table]]

0^[[h]] 34^[[m]]

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Plate 5881

January 29, 1893

22.6 9.7 A	N 2
22.3 11.8 K	K=H 3
22.1 12.8 H	N 1
22.8 13.7 A	N 2
23.0 13.8 H	N 1
22.5 14.5 A	N 3
22.3 14.8 A	N 1
22.9 15.3 A	N 1
23.0 16.5 A	N 1
22.5 17.7 H	N 1
22.3 18.1 I	K=H 2
22.8 21.4 A	N 1
23.2 7.5 F	1390 K=H 2
23.6 7.7 A	N 2
23.3 13.3 A	N 1
23.6 17.5 A	N 1
23.8 19.8 Ma	N 2
23.6 20.8 A	N 1
23.5 21.8 A	N 1
24.5 6.5 A	N 2
24.4 9.0 L	K=H 2
24.2 10.1 A	N 1
23.9 14.3 A	K=H 1
24.3 18.0 A	N 4

0^h 34^m

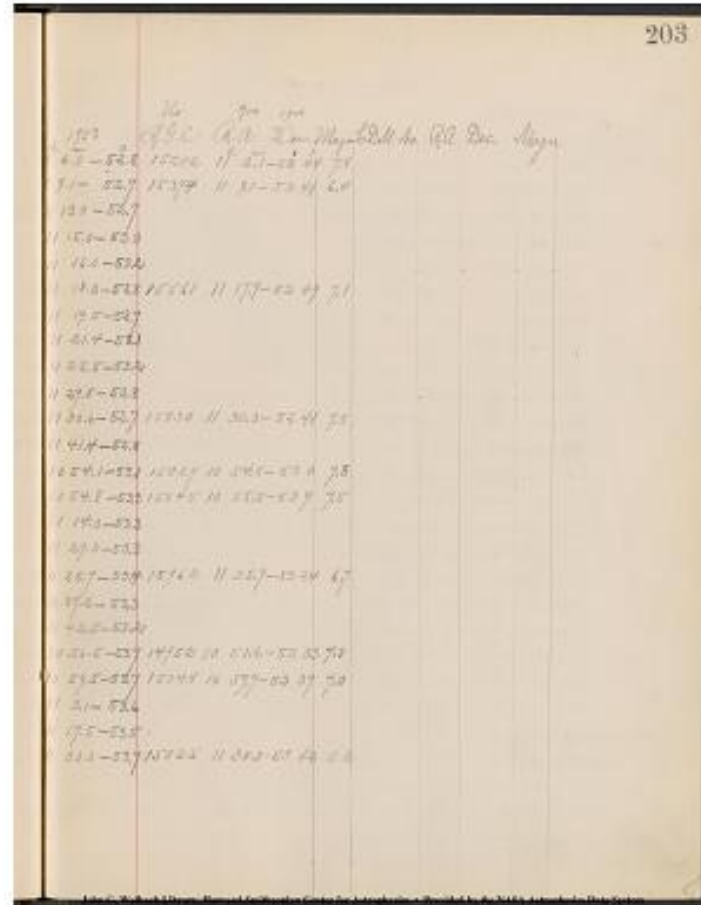
Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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[[preprinted]]203[[/preprinted]]

[[table]]

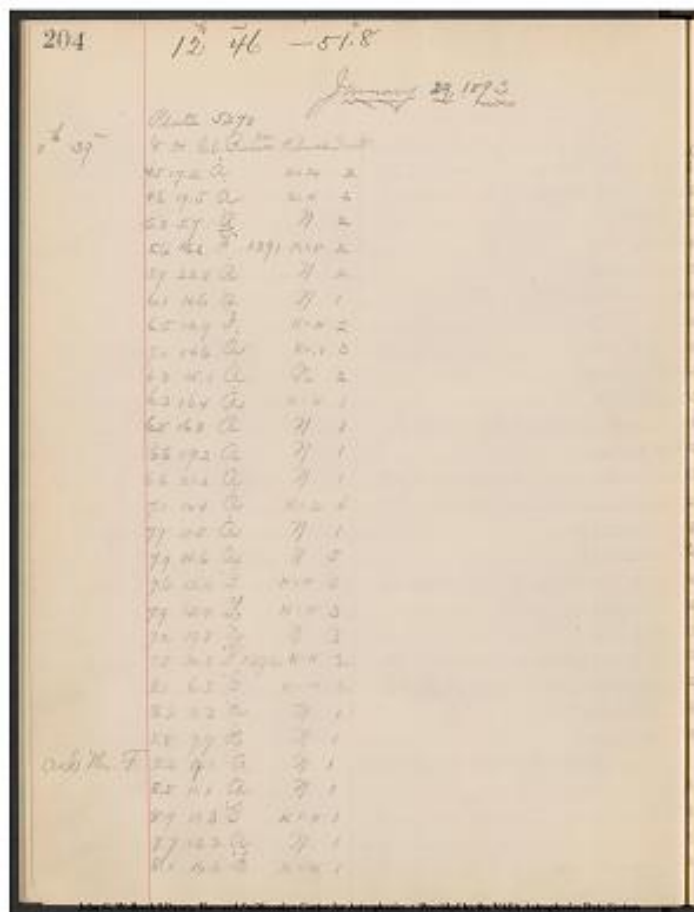
1900|A.G.C No.|R.A 1900|Dec. 1900|Magn.|C.D.M. No.|R.A.  
Dec.|Magn.]

1	^	[[h]]	2.0	^	[[m]]	-52.8	^	[[0]]	15212	11	^	[[h]]	2.1	^	[[m]]	-52	^	[[0]]	44	^	[[1]]	7.8
11	9.1	-52.7	15374	11	9.1	-52	41	6.4														
11	13.0	-52.7																				
11	15.0	-53.0																				
11	16.0	-53.2																				
11	18.0	-52.8	15561	11	17.9	-52	49	7.1														
11	19.5	-52.7																				
11	21.4	-53.1																				
11	25.5	-53.2																				
11	29.5	-52.8																				
11	30.6	-52.7	15830	11	30.3	-52	41	7.5														
11	41.4	-52.8																				
10	54.1	-53.1	15029	10	54.8	-52	0	7.8														
10	54.8	-53.3	15045	10	55.5	-53	9	7.5														
11	14.0	-53.3																				
11	29.0	-53.3																				
11	35.7	-53.4	14962	11	35.9	-53	24	6.7														
11	39.2	-53.3																				
11	42.5	-53.2																				
10	50.5	-53.7	14952	10	51.2	-53	33	7.8														
10	59.5	-53.7	15148	10	59.7	-53	39	7.0														
11	3.1	-53.6																				
11	17.5	-53.5																				
11	30.0	-53.7	15825	11	30.0	-53	42	5.2														



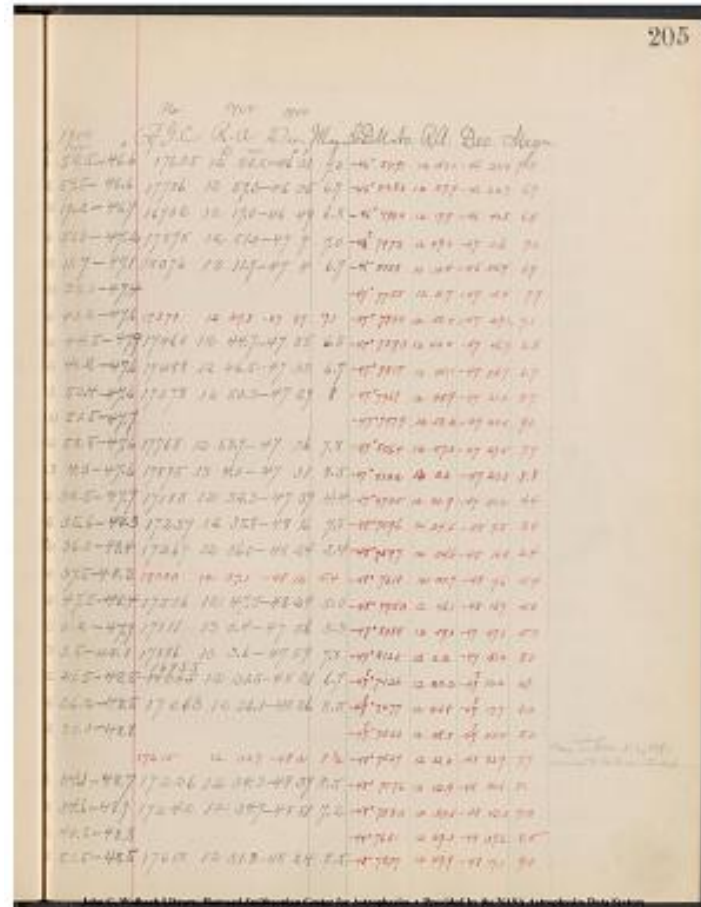
Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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[[preprinted]]204[[/preprinted]]  
 $12^{\text{h}} 46^{\text{m}} - 51.8^{\circ}$   
 January 29, 1893  
 Plate 5270  
 [[table]]  
[[0^[[h]] 39^[[m]]]]V	H	C	Rem. No.	K line	Int
 4.5|17.2|A| |K=2|2|  
 4.6|19.5|A| |K=H|2|  
 5.3|5.7|A| |N|2|  
 5.6|16.6|F|1391|K=H|2|  
 5.9|23.8|A| |N|2|  
 6.1|10.6|A| |N|1|  
 6.5|12.9|I| |K=H|2|  
 7.0|14.6|A| |K=.1|3|  
 6.3|15.1|A| |N|2|  
 6.3|16.4|A| |K=H|1|  
 6.5|16.8|A| |N|1|  
 6.6|19.2|A| |N|1|  
 6.6|23.0|A| |N|1|  
 7.1|10.4|A| |K=2|4|  
 7.7|11.5|A| |N|1|  
 7.9|11.6|A| |N|5|  
 7.6|12.15|G| |K=H|3|  
 7.9|15.4|L| |K=H|3|  
 7.2|19.3|A| |N|3|  
 7.5|2.8|F|1392|K=H|2|  
 8.1|6.8|G| |K=H|2|  
 8.2|8.3|A| |N|1|  
 8.8|9.9|H| |N|1|  
 [[ask Mrs. F.]]8.3|9.1|A| |N|1|  
 8.5|11.1|A| |N|1|  
 8.9|11.3|G| |K=H|1|  
 8.7|13.2|A| |N|1|  
 8.1|16.6|E| |K=4|1|  
 [[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
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[[preprinted]]205[[/preprinted]]  
[[table]]  
1900|No. A.G.C|1900 R.A.|1900 Dec|1900 Magn|C.D.M.  
No	R.A.	Dec	Magn
12<sup>h</sup>	12<sup>m</sup>	52.5<sup>s</sup>	46.6<sup>°</sup>
12 59.5-46.6	17786	12 59.3	-46 35
12 19.2-46.9	16902	12 19.0	-46 49
12 51.0-47.2	17595	12 51.0	-47 9
4~~[[/del]]6~~[[/del]]~~7 7972	12 49.6	-47 0.6	7.0
13 11.7-47.1	18076	13 11.9	-47 4
12 33.0-47.4			
40.2-47.6	17370	12 39.8	-47 37
12 44.5-47.9	17460	12 44.7	55 6.8
12 46.2-47.6	17488	12 46.5	-47 33
12 50.4-47.6	17578	12 50.3	-47 29
12 51.5-47.7			
12 58.5-47.6	17768	12 58.7	-47 36
13 4.0-47.6	17895	13 4.0	-47 31
12 32.5-47.9	17180	12 32.3	-47 59
12 35.6-48.3	17259	12 35.8	-48 16
12 36.0-48.4	17269	12 36.0	-48 24
12 37.5-48.3	17300	12 37.1	-48 16
12 47.5-48.4	17506	12 47.5	-48 24
13 0.2-47.9	17811	13 0.4	-47 56
13 3.5-48.1	17886	13 3.6	-47 59
12 21.5-48.5~~[[/del]]~~18285~~[[/del]]~~16955	12 21.5	-48 21	6.7
12 26.2-48.5	48.5	17063	12 26.1
4~~[[/del]]~~7~~[[/del]]~~8<sup>°</sup>	7477	12 24.8	-4~~[[/del]]~~7~~[[/del]]~~8 17.7
12 30.0-48.8			
17215	12 33.7	-48 31	8 1/2
12 34.1-48.7|17226 12 34.3-48 39|8.5|-48<sup>°</sup>|7596|12 32.9|-48 30.6|8.1|  
12 34.6-48.9|17242|12 34.9|-48 51|7.2|-48<sup>°</sup>|~~



7583	12 33.5	-48 42.6	7.3
	12 40.5-48.8		-48 <sup>°</sup>
	37.6	8.5	
	12 51.5-48.5	17618	12 51.8-48 24
	7807	12 49.9-48 7.1	9.0

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(South Draper Catalog) #62  
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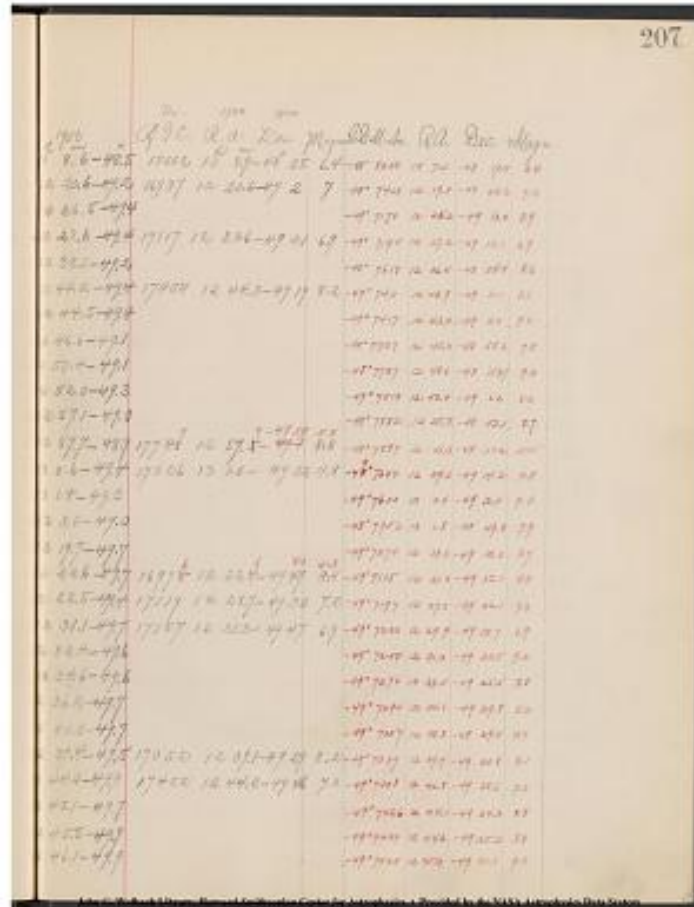
[[preprinted]]206[[/preprinted]]  
 January, 29, 1893,  
 Plate 5270

[[table]]			
V	H	C	Rem. No.   K line   Int
8.4	22.5	I	K=H   2
9.5	6.6	A	N   2
10.0	8.6	A	N   1
9.9	9.3	F	1393   K=H   2
9.4	12.3	A	N   1
9.8	14.4	H	N   1
9.8	14.5	A	N   1
9.3	15.1	A	N   2
9.4	16.2	A	N   1
9.7	16.8	E	K=H   1
9.3	18.6	A	N   1
9.2	18.8	A	K=.2   3
10.0	19.8	B	1394   N   4
9.8	20.0	A	N   1
9.3	20.5	A	N   1
10.6	6.4	A	N   1
10.6	7.4	A	N   4
10.3	9.3	A	N   1
10.7	10.2	A	N   3
10.4	10.6	A	N   1
10.3	11.3	A	N   1
10.4	11.7	F	1395   K=H   1
10.4	13.0	F	1396   K=H   2
10.1	12.7	H	N   1
10.6	14.4	H	K=H   1
10.3	14.8	A	N   1
10.6	14.9	A	N   1
10.8	15.1	A	N   1
[[/table]]			

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Plate 5270			
8.4	22.5	I	K=H   2
9.5	6.6	A	N   2
10.0	8.6	A	N   1
9.9	9.3	F	1393   K=H   2
9.4	12.3	A	N   1
9.8	14.4	H	N   1
9.8	14.5	A	N   1
9.3	15.1	A	N   2
9.4	16.2	A	N   1
9.7	16.8	E	K=H   1
9.3	18.6	A	N   1
9.2	18.8	A	K=.2   3
10.0	19.8	B	1394   N   4
9.8	20.0	A	N   1
9.3	20.5	A	N   1
10.6	6.4	A	N   1
10.6	7.4	A	N   4
10.3	9.3	A	N   1
10.7	10.2	A	N   3
10.4	10.6	A	N   1
10.3	11.3	A	N   1
10.4	11.7	F	1395   K=H   1
10.4	13.0	F	1396   K=H   2
10.1	12.7	H	N   1
10.6	14.4	H	K=H   1
10.3	14.8	A	N   1
10.6	14.9	A	N   1
10.8	15.1	A	N   1

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[[preprinted]]207[[/preprinted]]  
[[table]]  
1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.	R.A.	Dec.	Magn.
13<sup>h</sup>|8.6<sup>m</sup>|48.5|[[symbol-degree symbol]]18002|13<sup>h</sup>|  
8.9<sup>m</sup>|48|[[symbol-degree symbol]]25|6.4|48|[[symbol-degree  
symbol]]8050|13 7.4|48 17.5|6.4|  
12 20.6-49.2|16937|12 20.6|49 2|7|48|[[symbol-degree  
symbol]]7413|12 19.3|48 53.6|7.3|  
12 26.5-49.4| | | |49|[[symbol-degree symbol]]7170|12 25.2|49  
13.0|8.9|  
12 28.6-49.4|17117|12 28.6|49 21|6.9|49|[[symbol-degree  
symbol]]7195|12 27.2|49 13.1|6.9|  
12 38.0-49.2| | | |48|[[symbol-degree symbol]]7618|12 36.5|48  
58.4|8.6|  
12 44.2-49.4|17454|12 44.3|49 19|8.2|49|[[symbol-degree  
symbol]]7411|12 42.9|49 11.1|8.1|  
12 44.5-49.4| | | |49|[[symbol-degree symbol]]7417|12 43.3|49  
11.0|9.0|  
12 46.6-49.1| | | |48|[[symbol-degree symbol]]7737|12 45.3|48  
55.2|7.8|  
12 50.4-49.1| | | |48|[[symbol-degree symbol]]7787|12 48.6|48  
53.7|9.0|  
12 52.0-49.3| | | |49|[[symbol-degree symbol]]7513|12 50.4|49  
6.2|8.3|  
12 57.1-49.0| | | |48|[[symbol-degree symbol]]7882|12 55.8|48  
52.1|8.7|  
12 57.7-48.9|1774|~~1~~|7|12  
57.7|~~5~~-49 1|8.8|~~7~~-48 59|5.8|48|[[symbol-  
degree symbol]]7887|12 56.3|48 51.2|5.5|  
13 0.6-49.4|17826|13 1.0|49 22|4.8|  
4|~~1~~|~~9~~|[[symbol-degree symbol]]7644|12  
59.6|49 14.2|4.8|  
13 1.4-49.3| | | |49|[[symbol-degree symbol]]7653|13 0.4|49  
3.4|9.0|  
13 3.0-49.0| | | |48|[[symbol-degree symbol]]7952|13 1.8|48  
49.8|7.9|  
12 19.7-49.7| | | |49|[[symbol-degree symbol]]7074|12 18.3|49  
30.0|8.7|  
12 22.6-49.7|1697|~~4~~|6|12  
22.6|~~4~~-49|~~6~~-49  
~~4~~|8.8|~~40~~|4.3|  
49|[[symbol-degree symbol]]7115|12 21.3|49 32.1|4.3|  
12 28.5-49.4|17119|12 28.7|49 30|7.2|49|[[symbol-degree  
symbol]]7197|12 27.3|49 22.1|7.3|  
12 31.1-49.7|17157|12 31.3|49 47|6.9|49|[[symbol-degree  
symbol]]7233|12 29.9|49 38.7|6.9|  
12 32.4-49.6| | | |49|[[symbol-degree symbol]]7250|12 31.3|49  
24.5|9.2|  
12 34.6-49.6| | | |49|[[symbol-degree symbol]]7276|12 33.5|49  
25.5|8.8|  
12 36.2-49.7| | | |49|[[symbol-degree symbol]]7294|12 34.6|49  
29.8|8.2|  
12 40.5-49.7| | | |49|[[symbol-degree symbol]]7357|12 38.8|49  
29.4|7.7|  
12 39.4-49.5|17352|12 39.1|49 29|8.2|49|[[symbol-degree  
symbol]]7339|12 37.7|49 20.8|8.1|  
12 44.2-49.9|17452|12 44.2|49 46|7.3|49|[[symbol-degree  
symbol]]7408|12 42.8|49 38.6|7.3|  
12 45.1-49.7| | | |49|[[symbol-degree symbol]]7426|12 44.1|49



24.3	8.8						
12 45.5-49.9				-49	7430	12 44.2	-49
35.2	8.8						
12 46.1-49.9				-49	7445	12 45.0	-49
41.3	9.0						

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January 29, 1893

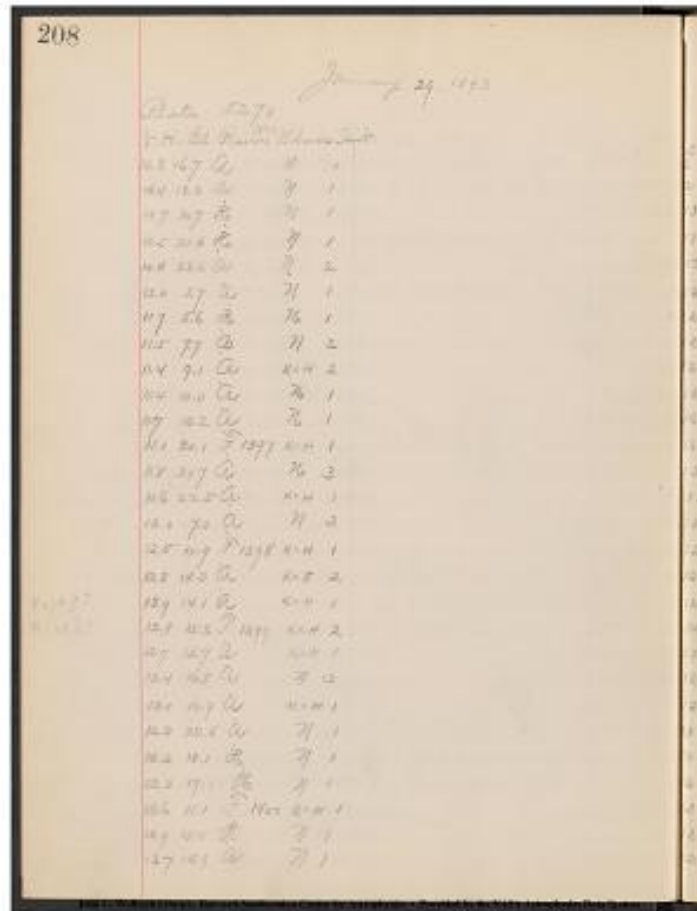
Plate 5270

[[table]]

V|H|C|Rem. No.|K line|Int|

10.3	16.7	A		N	1	
10.4	18.3	A		N	1	
10.7	20.7	H		N	1	
10.5	21.4	H		N	1	
10.4	23.6	A		N	2	
12.0	5.7	A		N	1	
11.7	5.6	H		N	1	
11.5	7.7	A		N	2	
11.4	9.1	A		K=H	2	
11.4	10.0	A		N	1	
11.7	12.2	A		N	1	
11.1	20.1	F	1397	K=H	1	
11.8	21.7	A		N	3	
11.6	22.5	A		K=H	1	
13.0	7.0	A		N	3	
12.5	10.9	F	1398	K=H	1	
12.8	14.3	A		K=	8	2
[[V=12.9?]]	13.9	14.1	A		K=H	1
[[H=15.6?]]	12.8	15.2	F	1399	K=H	2
12.7	15.7	A		K=H	1	
12.4	16.5	A		N	3	
13.0	16.9	A		K=H	1	
12.3	22.5	A		N	1	
12.3	18.1	H		N	1	
12.3	19.1	H		N	1	
13.6	11.1	F	1400	K=H	1	
13.9	15.0	H		N	1	
13.7	15.9	A		N	1	

[[/table]]



Project PHaEDRA - Williamina P. Fleming - Measures of Spectral Plates  
(South Draper Catalog) #62  
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[[preprinted]]209[[/preprinted]]  
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1900|A.G.C. No.|R.A. 1900|Dec. 1900|Magn|C.D.M.  
No.	R.A.	Dec.	Magn
12^[[h]]51.4^[[m]]-49.6[[symbol-degree symbol]]			-49[[symbol-degree symbol]]7506
12 56.2-49.6			-49[[symbol-degree symbol]]7574
13 3.7-49.7	17891	13 3.9	-49 37
13 6.0-49.6	17943	13 6.3	-49 32
13 12.9-49.4	18100	13 12.8	-49 21
12 17.1-50.3			
12 17.0-50.2			
12 24.0-50.1	16996	12 23.5	-50 5
12 28.0-50.1	17105	12 27.8	-50 6
12 30.5-50.1			
12 37.4-50.4			
13 2.1-50.0	17859	13 2.5	-49 56
13 7.5-50.2	17963	13 7.5	-50 10
13 9.5-50.1			
12 21.5-50.9	16946	12 21.1	-50 53
12 33.1-50.7			
12 44.0-50.9	17448	12 44.1	-50 51
12 43.5-50.9	17438	12 43.3	-50 51
[[/strikethrough]]42.4[[/strikethrough]]44.8[[/strikethrough]]8.8[[/strikethrough]]9.0			
[[margin]]Assumed position to be V=12.9[[/margin]]			
12 48.4-50.9	17533	12 48.5	-50 49
[[margin]]Assumed H = 15.6[[/margin]]			
12 49.0-50.8			
12 51.4-50.7	17608	12 51.3	-50 39
12 52.8-51.0	176[[/strikethrough]]40[[/strikethrough]]51	12 52.6	-50 58
13 10.0-50.5	[[/strikethrough]]18035	13 10.1	-50 22
12 56.5-50.6	17718	12 56.1	-50 32
12 59.0-50.6	17781	12 59.1	-50 30

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1900 A.G.C. No. R.A. 1900 Dec. 1900 Magn C.D.M.

No.	R.A.	Dec.	Magn	C.D.M.
7506	51.4	49.6	9.2	
7574	55.3	49.2		
7680	2.4	49.289	8.0	
7716	4.8	49.240	7.8	
7803	11.3	49.131	7.5	
6934	15.9	50.66	8.3	
7037	15.7	49.596	8.0	
7123	22.2	49.573	7.8	
7184	26.4	49.576	7.4	
7226	29.3	49.578	8.4	
7213	31.9	50.77	8.6	
7659	1.0	49.475	8.6	
7589	6.0	50.22	6.2	
7760	8.3	49.497	8.7	
6975	19.8	50.451	5.7	
7153	31.9	50.316	8.0	
7300	42.7	50.424	7.7	
7289	41.9	50.422		
7359	47.1	50.412	7.9	
7362	47.2	50.390	8.8	
7394	49.9	50.311	5.8	
7425	51.9	50.583	8.6	
7458	54.7	50.236	8.1	
7500	57.7	50.221	8.0	

12 33.5-51.3				-51[[symbol-degree symbol]]6878	12 32.4 -51
6.2 8.8					
12 46.5-51.5				-51[[symbol-degree symbol]]7070	12 45.0 -51
15.8 7.8					
12 49.5-51.4				-51[[symbol-degree symbol]]7117	12 48.0 -51
7.8 8.0					

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[[preprinted]]210[[/preprinted]]

January, 29 1893

Plate 5270

[[table]]

V|H|Cl|Rem. No.|K line|Int|

13.8|18.1|F|1401|K=H|1|

13.6|20.3|A| |N|2|

13.2|23.3|A| |N|3|

14.0|24.0|A| |N|2|

14.3|24.3|A| |N|2|

[[margin]]V=14.7[[/margin]]|14.3|6.0|| |K=H|2|

14.3|7.6|F|1402|K=H|1|

14.5|7.9|F|1403|K=H|1|

14.2|9.2|A| |N|3|

14.8|10.2|| |N|2|

14.4|14.5|A| |K=2|2|

15.0|15.2|A| |N|2|

14.6|15.5|A| |K=H|1|

14.3|19.0|L-M| |N|1|

14.1|22.0|F|1404|K=H|1|

15.0|24.2|A|1405|N|3|

15.4|6.6|F|1406|K=H|1|

15.5|7.4|| |K=H|2|

15.6|8.7|H| |N|1|

15.5|11.0|F|1407|K=H|1|

15.8|11.9|A| |K=H|1|

15.5|12.8|F|1408|K=H|1|

15.4|12.9|F|1409|K=H|1|

15.1|15.2|H| |N|1|

15.5|14.7|A| |K=5|3|

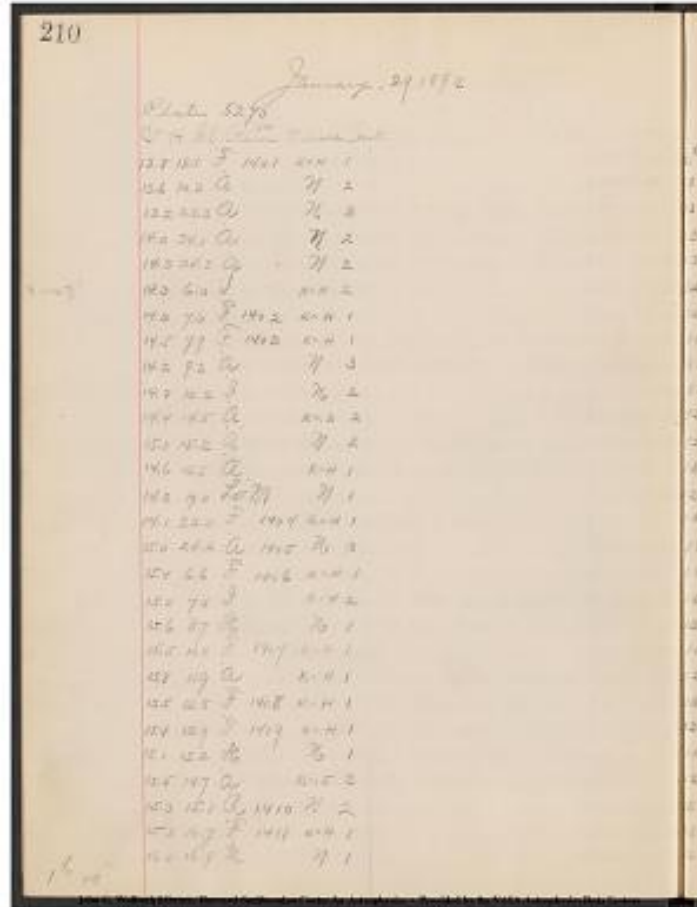
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15.3|16.7|F|1411|K=H|1|

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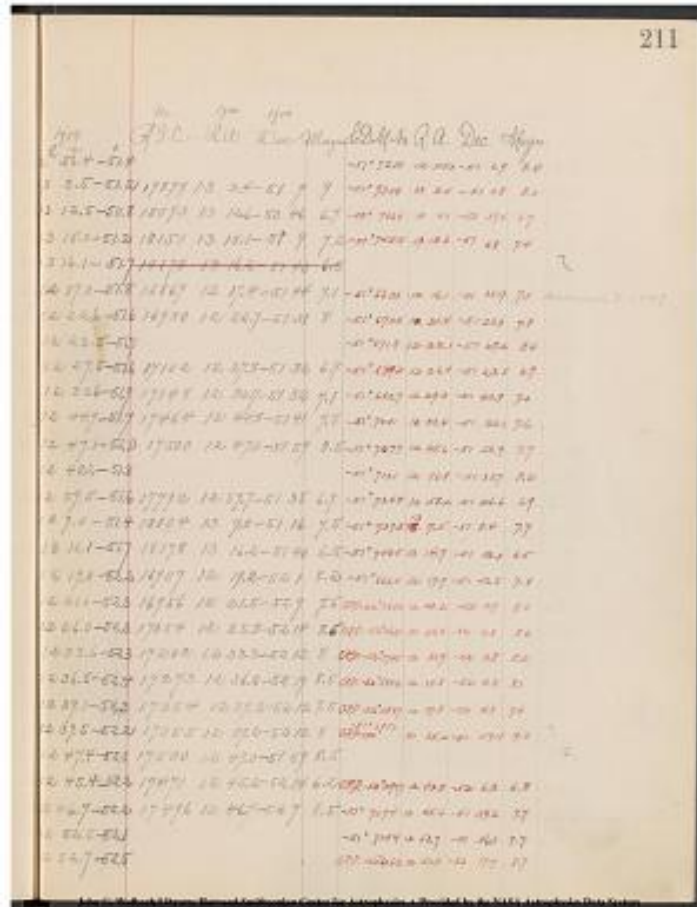
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No.|R.A.|Dec.|Magn|  
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51^[[symbol-degree symbol]] 7200|12 55.0|-51 6.9|8.4|  
|13 3.5-51.2|1 17879|13 3.4-51 9|9|-51^[[symbol-degree symbol]]  
7300|13 2.0|-51 0.8|8.0|  
|13 12.5-50.8|18093|13 12.6-50 46|6.7|-50^[[symbol-degree symbol]]  
7660|13 11.1|-50 37.4|6.7|  
|13 15.0-51.2|18151|13 15.1-51 9|7.2|-51^[[symbol-degree symbol]]  
7453|13 13.6|-52 0.8|7.4|  
|13 16.1-51.7|~~18178~~~~[[/strikethrough]]~~~~[[/strikethrough]]~~13  
16.2~~[[/strikethrough]]~~~~[[/strikethrough]]~~51  
46~~[[/strikethrough]]~~~~[[/strikethrough]]~~6.5~~[[/strikethrough]]~~ | | |  
[[margin]]?[[/margin]]  
|12 17.0-51.8|16869|12 17.4 51 44|7.1|-51^[[symbol-degree symbol]]  
6630|12 16.1|-51 35.9|7.1|[[margin]]assumed V=14.7|[[margin]]  
|12 22.6-51.6|16980|12 22.7-51 31|8|-51^[[symbol-degree symbol]]  
6704|12 21.4|-51 23.0|7.8|  
|12 23.5-51.7| | | | -51^[[symbol-degree symbol]] 6713|12 22.1|-51  
29.2|8.4|  
|12 27.5-51.6|17102|12 27.8-51 32|6.9|-51^[[symbol-degree symbol]]  
6792|12 26.4|-51 23.5|6.9|  
|12 30.6-51.9|17148|12 30.7-51 52|7.1|-51^[[symbol-degree symbol]]  
6827|12 29.3|-51 43.9|7.0|  
|12 44.9-51.7|17464|12 44.8|-51 41|7.8|-51^[[symbol-degree symbol]]  
7041|12 43.4|-51 33.1|7.6|  
|12 47.1-52.0|17500|12 47.0|-51 59|8.5|-51^[[symbol-degree symbol]]  
7077|12 45.6|-51 50.9|7.7|  
|12 48.2-51.8| | | | -51^[[symbol-degree symbol]] 7101|12 46.8|-51  
35.7|8.2|  
|12 59.5-51.6|17792|12 59.7|-51 35|6.9|-51^[[symbol-degree symbol]]  
7248|12 58.2|-51 26.6|6.9|  
|13 9.0-51.4|1804|13 9.0|-51 16|7.5|-51^[[symbol-degree symbol]]  
7375~~[[/strikethrough]]~~17~~[[/strikethrough]]~~13 7.5|-51 8.4|7.7|  
|13 16.1-51.7|18178|13 16.2|-51 40|6.5|-51^[[symbol-degree symbol]]  
7465|13 14.7|-51 32.0|6.5|  
|12 19.0-52.2|16907|12 19.2|-52 1|8.2|-51^[[symbol-degree symbol]]  
6660|12 17.9|-51 52.5|7.8|  
|12 21.6-52.3|16956|12 21.5|-52 9|7.5|C.P.D.-52^[[symbol-degree  
symbol]] 5603|12 20.2|-52 0.7|8.0|  
|12 26.0-52.3|17054|12 25.8|-52 14|8.5|C.P.D.-52^[[symbol-degree  
symbol]] 5651|12 24.4|-52 6.1|8.2|  
|12 33.6-52.3|17202|12 33.3|-52 12|8|C.P.D.-52^[[symbol-degree  
symbol]] 5755|12 31.9|-52 3.8|8.2|  
|12 36.5-52.4|17273|12 36.2|-52 19|8.5|C.P.D.-52^[[symbol-degree  
symbol]] 5802|12 34.8|-52 11.3|8.1|  
|12 39.1-52.3|17354|12 39.2|-52 12|9.5|CPD-52^[[symbol-degree  
symbol]] 5847|12 37.8|-52 4.3|7.4|  
|12 39.5-52.2|17355|12 39.2|-52 12|8~~[[/strikethrough]]~~C.P.D.-  
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|12 47.4-52.0|17500|12 47.0|-51 59|8.5| | | |[[margin]]?[[/margin]]  
|12 45.4-52.2|17471|12 45.2|-52 14|6.2|C.P.D.-52^[[symbol-degree  
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|12 46.7-52.2|17496|12 46.7|-52 7|8.5|-51^[[symbol-degree symbol]]  
7074|12 45.4|-51 59.2|7.7|  
|12 52.5-52.1| | | | -51^[[symbol-degree symbol]] 7154|12 50.7|-51  
56.3|7.7|



|12 52.7-52.5| | | | |C.P.D.-52^[[symbol-degree symbol]] 6062|12  
51.3|-52 17.7|8.7|

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 [[underlined]]January 31, 1893. [[/underlined]]  
 Plate 5270

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15.4	19.7	A		N 1
16.0	20.5	G		K=H 2
15.4	20.7	A		N 3
15.9	20.9	H		N 1
15.2	21.4	A		K=H 1
15.3	22.3	G		K=H 2
15.9	23.1	F	1413	K=H 1
16.0	23.6	A		N 3
16.7	9.0	A		N 2
16.7	9.3	H		N 1
16.5	12.4	F	1414	K=H 1
16.1	12.8	A		N 1
16.2	13.6	A		N 1
17.0	12.6	F	1415	K=H 1
17.0	14.1	F	1416	K=H 1
16.6	14.3	G		K=H 2
16.1	15.0	A		K=H 1
16.4	15.2	A		K=2 2
17.0	15.9	E		K=H 1
16.2	16.0	A		K=H 1
16.4	17.2	A		N 1
16.3	17.6	F	1417	K=H 1
16.9	18.5	F	1418	K=H 1
17.0	19.6	A		N 3
16.7	20.0	A		N 1
17.0	20.2	E		K=H 1
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212				
Plate 5270				
January 31, 1893				
15.4	19.2	F	1412	K=H 1
15.7	19.5	A		K=4 2
15.4	19.7	A		N 1
16.0	20.5	G		K=H 2
15.4	20.7	A		N 3
15.9	20.9	H		N 1
15.2	21.4	A		K=H 1
15.3	22.3	G		K=H 2
15.9	23.1	F	1413	K=H 1
16.0	23.6	A		N 3
16.7	9.0	A		N 2
16.7	9.3	H		N 1
16.5	12.4	F	1414	K=H 1
16.1	12.8	A		N 1
16.2	13.6	A		N 1
17.0	12.6	F	1415	K=H 1
17.0	14.1	F	1416	K=H 1
16.6	14.3	G		K=H 2
16.1	15.0	A		K=H 1
16.4	15.2	A		K=2 2
17.0	15.9	E		K=H 1
16.2	16.0	A		K=H 1
16.4	17.2	A		N 1
16.3	17.6	F	1417	K=H 1
16.9	18.5	F	1418	K=H 1
17.0	19.6	A		N 3
16.7	20.0	A		N 1
17.0	20.2	E		K=H 1

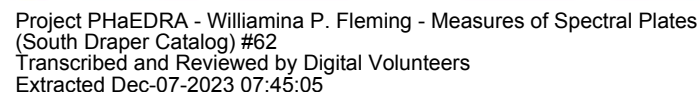
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213

13 3.5-52.7				C.P.D-52[[symbol-degree symbol]] 6227 13 1.8
52 32.7 8.5				
13 4.0-53.0				C.P.D-52[[symbol-degree symbol]] 6239 13 2.5
52 44.6 8.4				

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Continued in Book 63. p. 4.

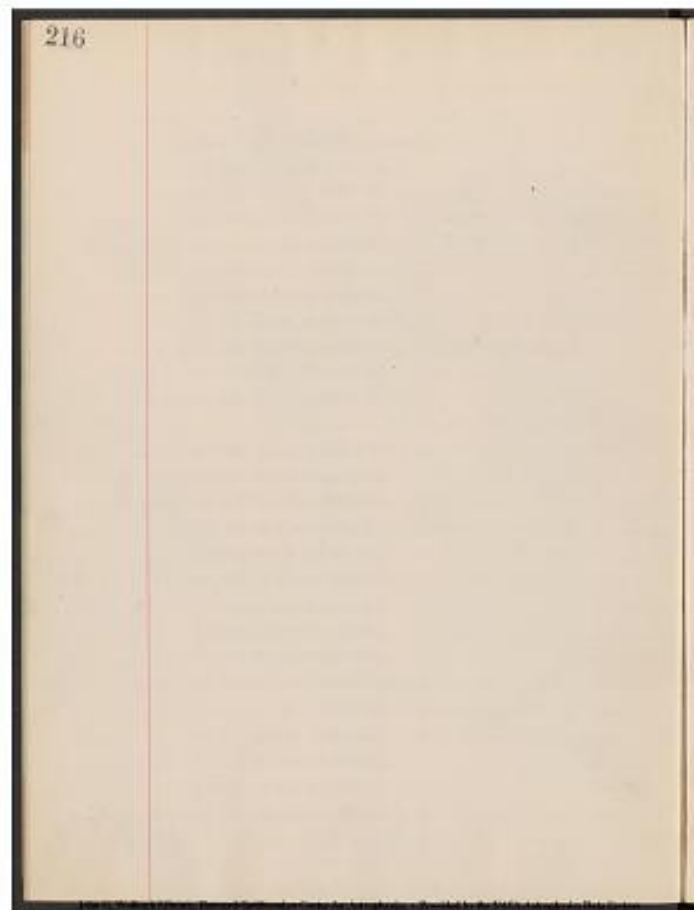


215

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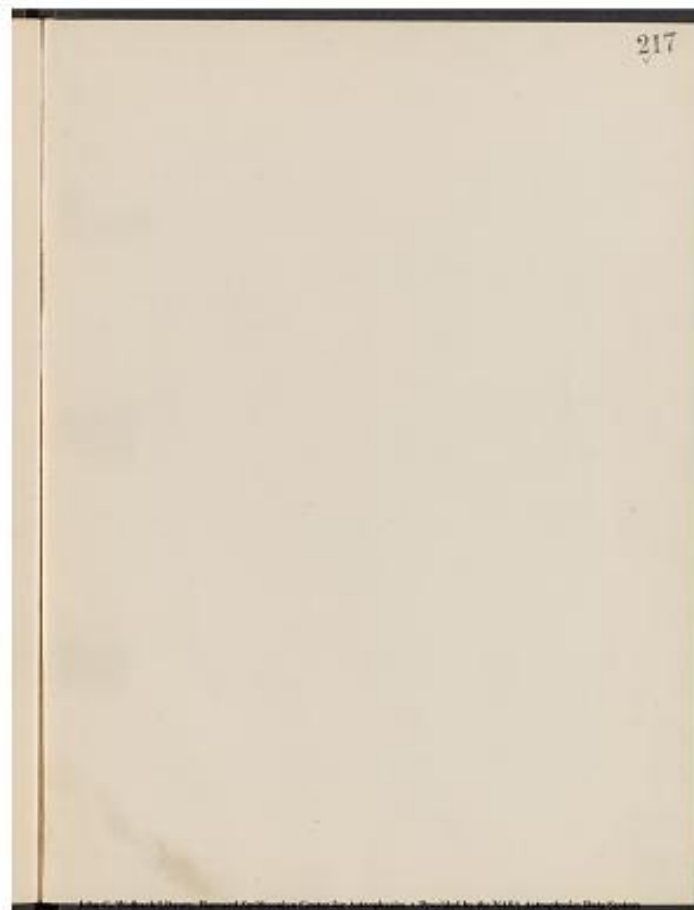
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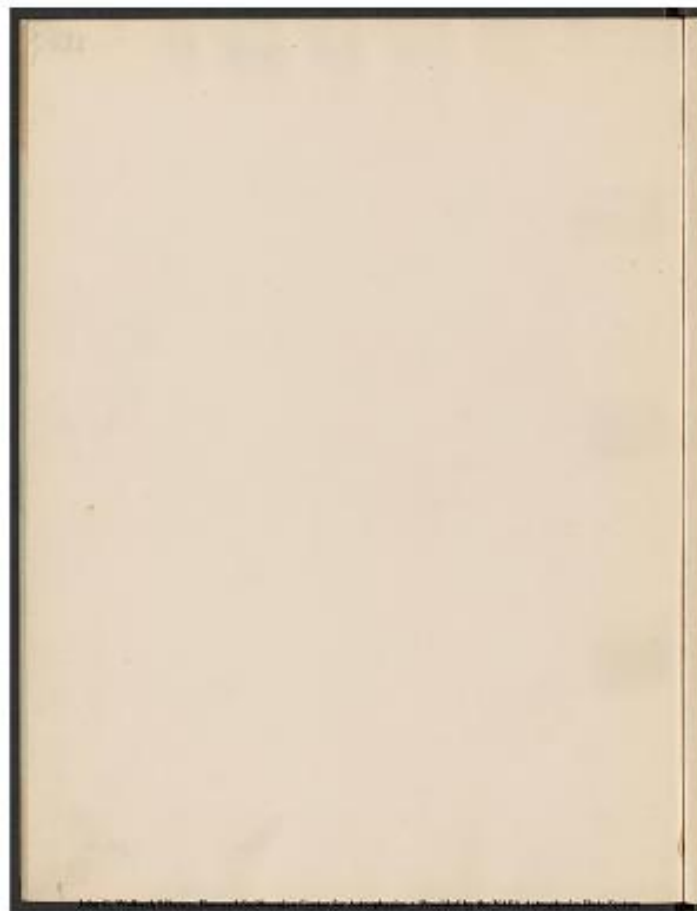
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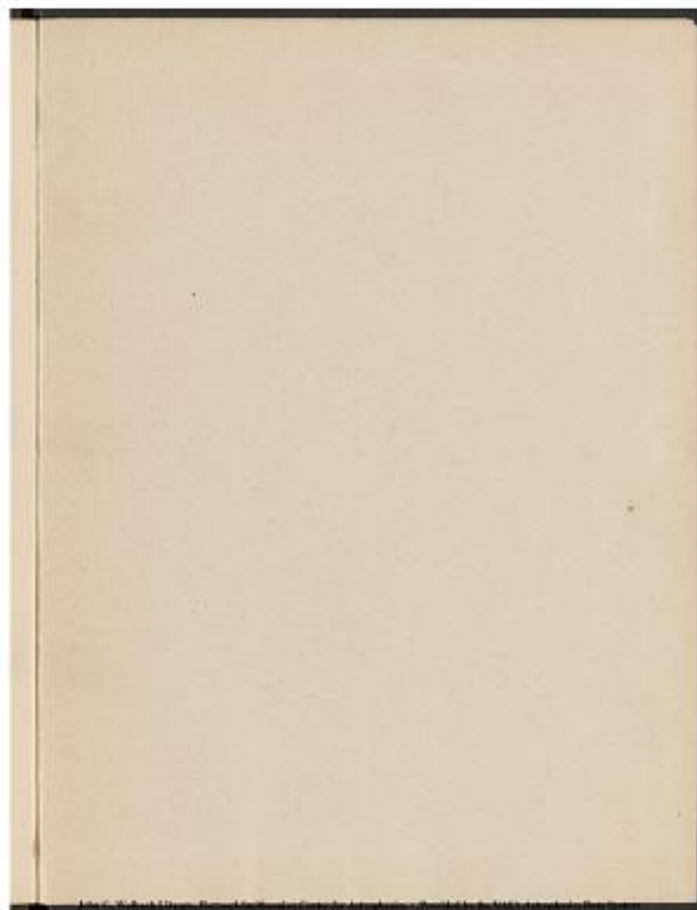
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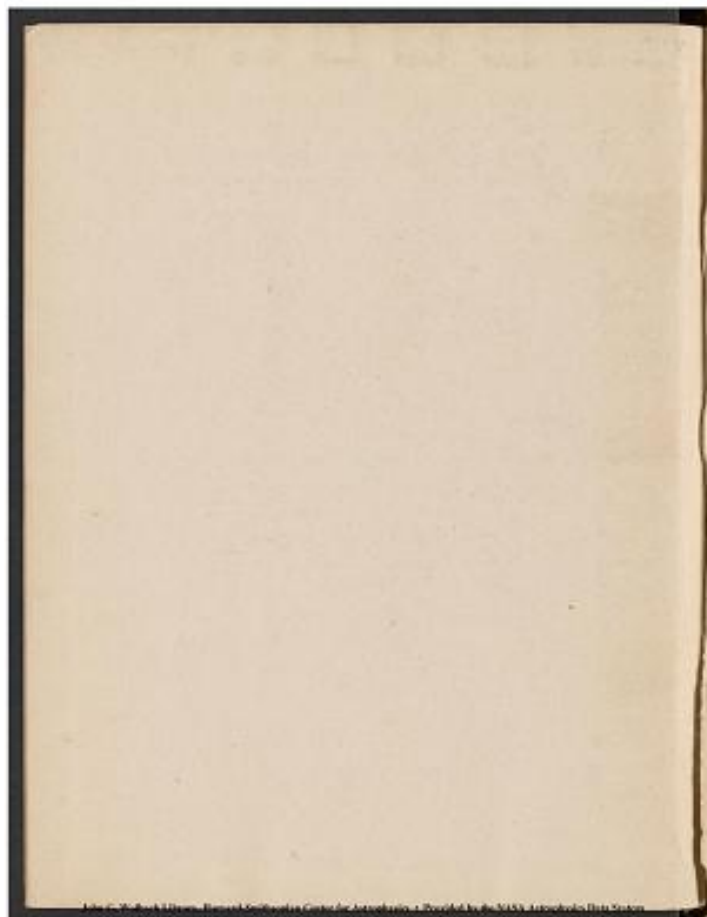
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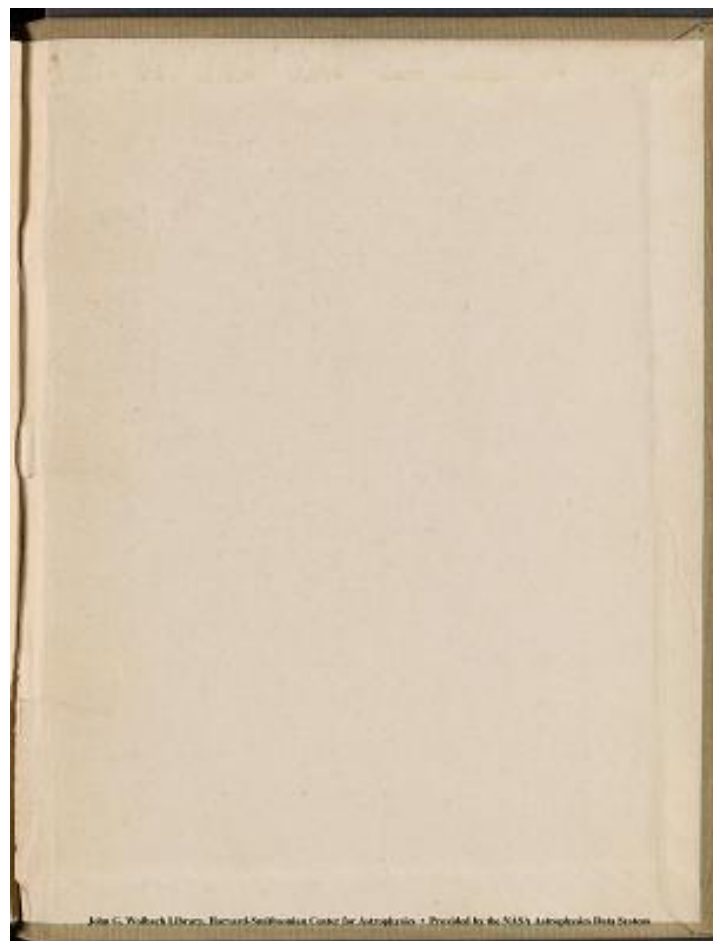
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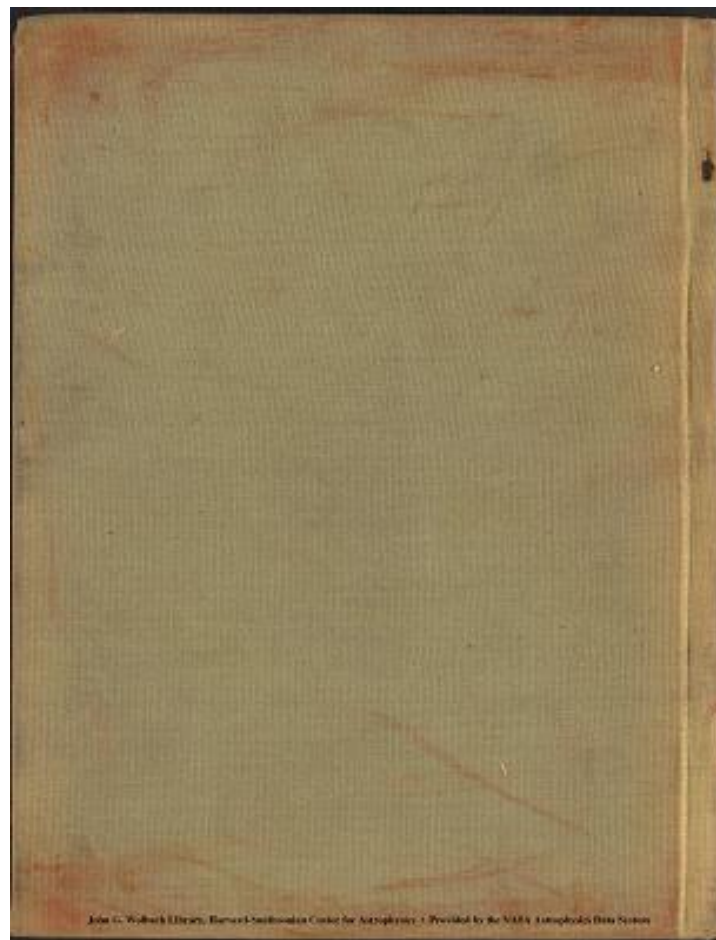
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[[back cover]]



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