

KG

11365

876

HENRY DRAPER MEMORIAL.

Measures of Spectrum Plates
Southern Draper Catalogue
No 61

HE 11365, 876

1892phae.proj..877F

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Book 61

All images marked "intensity 5" will require to be looked up on 10 m. exposure plates, in order to determine class of spectrum with greater accuracy as when the image is so dense the classification is uncertain. ²² November 23, 1892
 Plate 3635 M.F. May 17, 1893.

 h m
 23 4

		No.		RA ^{h m} 13 30 Dec. - 32)	
8.7	6.2	A		H-0.5 H ₆	2
3.6	15.6	A		H- H ₆	1
3.5	17.3	A		H-0.5 H ₆	3
5.2	13.5	F	481	H- H ₆	1
7.0	9.3	H		H- H ₆	1
6.5	15.0	A		H-0.2 H ₆	2
7.6	15.5	A		H-0.1 H ₆	3
8.7	7.0	A		H- H ₆	1
8.6	23.2	A		H- H ₆	2
8.9	15.5	A		N	1
9.0	16.8	A		H- H ₆	1
9.4	15.5	F	482	H- H ₆	2
10.0	18.0	F	483	H- H ₆	1
9.3	18.2	F	484	H- H ₆	2
10.7	20.0	A		N	1
11.5	8.8	F	485	H- H ₆	1
11.0	12.4	A		N	1
12.6	23.2	F	486	H- H ₆	1
12.1	23.9	A		H- H ₆	1
12.8	23.2	A		H- H ₆	2
13.0	23.7	F	487	H- H ₆	1
13.2	6.9	F		H-1.2 H ₆	3
13.6	23.5	F	488	H- H ₆	2
14.0	7.2	F	489	H- H ₆	2
14.4	15.0	A		H- H ₆	1
14.5	16.6	A		H- H ₆	2
15.0	17.2	A		H- H ₆	1
14.2	24.3	A		N	3
15.2	12.9	A		H- H ₆	2

1900 R.A. Dec. h m	1900 Asc. No.	1900 R.A. Dec. h m	1900 Dec. No.	1875 R.A. Dec. h m
13 6.2 -26.0	17945	13 6.3 - 26 1	6.6	
13 27.0 -26.1	18431	13 27.4 - 26 5	7.1	
13 31.0 -25.9	18511 18512	13 31.3 - 26 0	7.2	
13 23.8 -26.9	18355	13 24.0 - 26 52	7	
13 13.0 -27.9	18104	13 12.9 - 27 48	7.0	
13 26.0 -27.7	18398	13 26.0 - 27 36	6.7	
13 27.1 -28.2	18423	13 27.0 - 28 11	5.9	
13 7.5 -28.8	17967 17968			
13 44.1 -28.6	18792	13 44.4 - 28 35	6.5	
13 26.8 -28.9	18422	13 27.0 - 28 47	8.5	
13 30.0 -28.9				-28°10'59" 13 28.7 -28°44' 8.0
13 26.9 -29.1	18420	13 27.0 - 29 3	6.8	
13 32.9 -29.4	18546	13 32.8 - 29 20	7.0	
13 33.1 -29.1	18554	13 33.1 - 29 3	6.3	
13 37.5 -29.7	18632	13 37.4 - 29 41	7.3	
13 11.1 -30.1	18063	13 11.4 -30 4	7.4	
13 19.8 -29.9	18256	13 19.6 - 29 51	8.5	
13 44.4 -30.6	18795	13 44.6 - 30 35	7.4	
13 46.9 -30.3	18843	13 46.6 -30 18	8	
13 45.0 -30.7	799 18806	13 44.9 -30 44	8	
13 45.9 -30.8	18832	13 45.9 - 30 50	7.4	
13 11.1 -30.9	18060	13 11.3 -30 59	5.7	
13 46.2 -31.1	18839	13 46.3 -31 8	6.7	
13 7.1 -31.4	17962	13 7.3 -31 20	6.9	
13 26.0 -31.6	18395	13 25.9 -31 38	7.8	
13 29.9 -31.7	18480	13 29.5 -31 42	6.9	
13 31.0 -31.9	18504	13 31.1 -31 54	8	
13 47.3 -31.5	18854 18855	13 47.4 -31 27	8.5	
13 20.3 -32.1	18272	13 20.5 -32 2	7.0	

Plate 3635-

V. Hb. G. L. P. ^{N^o.} K. line Int.

1900 R.A. Dec.	No. A.G. 6	1900 R.A. Dec.	1900 Magn.	No. C.D.M.	1875 R.A. Dec.	Magn.
13 ^h 17.8 ^m -32.7°	18210	13 17.5 ^m -32° 40'	6.8			
13 22.3 -32.9					-32° 93' 6" 13 21.0 ^m -32° 38'	8.0
13 28.9 -32.8	18469	13 29.0 -32° 48'	6.8			
13 33.0 -32.6	18555	13 33.1 -32° 36'	7.0			
13 40.0 -32.6	18696	13 40.0 -32° 33'	4.5			
13 45.9 -32.6	18833 18834	13 46.0 -32° 30'	5 ⁻ 6.8			
13 3.2 -33.0	17885	13 3.5 -32° 58'	7.2			
13 ^{20.9} 21.2 -33.6	18282	13 20.8 -33° 29'	7.1			
13 36.0 -33.2	18609	13 36.0 -33° 6'	6.9			
13 40.9 -33.3	18712	13 40.7 -33° 17'	8.5			
13 ^{3.6} 4.2 -33.4	18777	13 43.6 -33° 20'	8'			
13 9.5 -33.7	18250	13 7.2 - 33 46	8	-33 89 14	13 8.3 -33° 29'	7.3
13 19.5 -33.8	18250	13 19.2 -33° 46'	8'			
13 31.2 -33.9	18505	13 31.1 -33° 58'	6.7			
13 35.2 -34.0	18591 18615	13 35.3 -33° 57'	7.3			
13 36.4 -33.6	18616	13 36.6 -33° 29'	7.5 ⁻ 7.8			
13 43.6 -33.9	18779	13 43.6 -33° 58'	4.6			
13 3.3 -33.9	17884	13 3.5 -33° 49'	8.5			
13 6.8 -34.3					-34 87 20 13 5.6 -34° 4'	7.5
13 8.0 -34.1	17993	13 8.2 -34° 9'	8'			
13 47.8 -34.3	18886	13 47.8 -34° 11'	8.5			
13 5.9 -34.7	17937 17938	13 5.9 -34° 36'	9.5 ⁻ 7			
13 20.1 -34.7	18267	13 20.3 -34° 33'	7.3			
13 31.9 -34.6	18524	13 31.8 -34° 33'	7.0			
13 32.0 -34.6	18531	13 32.0 -34° 34'	7.2			
13 37.8 -34.8	18634	13 37.4 -34° 48'	8			
13 48.4 -34.8	18871	13 48.1 -34° 50'	6.7			
13 23.8 -35.1	18348	13 23.7 -35° 3'	7.8			

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Plate 3635

V. Hb. Cl. Pemi. Klein Int.

21.7	22.2	F	493	K-Hb	2
21.7	24.1	F	494	K-Hb	3
22.8	5.8	F	495	K-Hb	2
22.9	8.6	Hb		K-Hb	2
22.3	11.2	F	496	K-Hb	1
22.7	18.3	A		N	2
22.1	20.7	Hb		N	1
22.7	21.3	A		N	3
23.4	10.8	A		N	5
23.3	17.5	A		N	1
23.2	23.2	F	497	K-Hb	2
24.3	9.6	A		N	1
24.2	12.6	A		N	1
24.3	17.3	A		N	1

R.A. 14 or Dec. - 31.5

Plate 5429

4.0	14.5	Lb.		K-Hb	3
4.0	17.5	Hb		K-Hb	1
6.0	10.0	Hb		N	1
5.5	12.7	Lb.		K-Hb	2
5.2	17.2	K		K-Hb	2
7.8	9.2	L	498	K-Hb	2
6.9	20.5	A		N	2
6.2	21.8	K		K-Hb	3
7.4	21.3	Hb.		N	1
6.8	7.3	A		N	3
8.7	13.6	Hb		N	1

1900	^{no}	R.A.	Dec.	A.G.B.	R.A.	Dec.	Magn.	C.D.M.	R.A.	Dec.	Magn.
13 ^h	43.0	-35.2	18760	13	43.1	-35 12	6.8				
13	47.7	-35.2	18863	13	47.7	-35 11	6.0				
13	47	-35.4	?	Ask Mrs. F. to -35 8459 13 1.4 -35 34 7.1							
13	9.2	-35.9	18018	13	9.5	-35 50	6.7				
13	16.0	-35.7	18181	13	16.2	-35 35	7.3				
13	34.0	-35.8		not in A.G.B. -35 8884 13 32.2 -35 36 7.3							
13	39.9	-35.5	18690	13	39.6	-35 26	7				
13	41.5	-35.8	18718	13	41.1	-35 45	5.8				
13	15.1	-36.2	18149	13	15.0	-36 11	3.0				
13	32.0	-36.2	18522	13	31.7	-36.4	8.2	-35 8861	13	30.3	-35 56 7.5
13	45.9	-35.9	18826	13	45.8	-35 57	6.7				
13	12.1	-36.6	18081	13	12.0	-36 29	8.2				
13	12.1	-36.6	18082	13	12.0	-36 30	9.5				
13	19.9	-36.7	18253	13	19.3	-36 31	8				
13	31.8	-36.7	18507	13	31.2	-36 36	8.2				
14	0.7	-26.2	19128	14	0.7	-26 12	3.6				
14	7.4	-26.2	19269	14	7.5	-26 8	6.8				
13	50.9	-27.2	18937	13	50.8	-27 8	7.0				
13	56.7	-26.9	19046	13	56.7	-26 57	6.0				
14	7.2	-26.9	19253	14	7.0	-26 47	5.5				
13	48.3	-28.1	18890	13	48.6	-28 5	6.5				
14	14.2	-27.6	19383	14	14.3	-27 35	8				
14	17.2	-27.4	19462	14	17.6	-27 22	8.2				
14	15.9	-27.9	19434	14	16.2	-27 57	7.2				
13	45.1	-28.6	18792	13	44.4	-28 35	6.5				
13	59.1	-28.5	19083	13	58.7	-28 35	8	-28 10419	13	57.3	-28 28 7.4

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Plate 5429

V. H. C. R. Kline Int.

8.6	22.8	H ₆	N	1
9.1	18.1	A	K-0.2H ₆	3
10.6	9.0	A	N	1
10.7	16.1	A	K-0.3H ₆	2
10.1	22.0	A	K-0.5H ₆	2
9.6	23.9	A	N	3
11.7	9.9	A	K-H ₆	2
11.7	16.0	A	K-0.3H	3
12.8	7.5	A	K-H	2
13.0	7.7	A	K-H	2
12.2	8.4	A	K-H	1
13.0	9.9	G	K-1.2H	2
12.5	10.8	H	N	1
13.0	17.2	A	N	1
12.7	17.9	F 490a	K-H ₆	2
13.2	8.2	F 491a	K-H ₆	1
13.7	8.3	F 492a	K-H	3
14.0	8.8	A	N	1
13.7	12.3	A	N	1
13.8	13.0	F 493a	K-H	2
13.3	14.5	F 494a	K-H	1
14.3	8.8	A	N	4
14.7	9.7	G	K-H	1
14.6	16.3	L ₆	K-H ₆	2
14.8	16.5	F 495a	K-H	1
14.2	17.9	A	K-H	1
14.6	18.6	A	K-0.4H	2
15.4	9.4	A	K-H	2

1900.			1900.			
R.A.	Dec.	Magn.	R.A.	Dec.	Magn.	
14 19.6 -28.5	19 516		14 19.7 -28.27	7.0		
14 9.1 -28.9	19 299		14 9.2 -28.49	6.4		
13 48.2 -29.7	19 287	2.0 in A.G.B.	-29 10 68	13 46.8 -29 24	7.9	
14 4.7 -29.6	19 208		14 4.5 -29.37	7.2		
14 18.1 -29.3	19 473		14 18.1 -29 13	7		
14 22.5 -29.2	19 577		14 22.4 -29 3	4.8		
13 49.9 -30.1	18 921		13 50.1 -30 5	7.1		
14 4.5 -30.2	19 200		14 4.4 -30 9	6.8		
13 44.4 -30.7	18 795		13 44.6 -30 35	7.4		
13 44.9 -30.8	18 799		13 44.9 -30 43	7		
13 46.4 -30.4	18 843		13 46.6 -30 18	8		
13 50.0 -30.9	18 918		13 50.0 -30 47	6.9		
13 52.1 -30.4	18 963		13 52.1 -30 28	8		
14 7.2 -30.8	19 292	2.0 in A.G.B.	-30 11 25	14 5.7 -30 39	8.0	
14 9.1 -30.6	19 292		14 8.9 -30 35	7.2		
13 45.9 -30.9	18 832		13 45.9 -30 50	7.4		
13 46.1 -31.3	18 839		13 46.3 -31 8	6.7		
13 47.1 -31.3	19 032	2.0 in A.G.B.	-31 10 72	13 46.0 -31 6	8.6	
13 55.9 -31.1	19 032		13 55.6 -31 8	8.2		
13 57.3 -31.3	19 054		13 57.2 -31 12	6.5		
14 1.4 -30.9	19 145		14 1.3 -30 55	8.5		
13 47.1 -31.5	18 854		13 47.4 -31 27	8		
13 49.8 -31.7	18 902		13 47.4 -31 27	5.5 -31 27	13 46.0 -31 19	8.5
14 5.3 -31.7	19 226		13 49.5 -31 36	7.5		
14 6.0 -31.8	19 226		13 49.5 -31 36	9		
14 9.2 -31.4	19 291		14 5.1 -31 36	6.9		
14 11.1 -31.7	19 316		14 5.7 -31 42	7.5		
13 48.7 -31.9	18 886		14 8.9 -31 19	8.5		
			14 10.5 -31 35	7.5		
			13 48.5 -31 58	7.2		

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Plate 5429

H. H. C. R. Kline Int

15.9 14.0 A	K-H	1
16.6 5.8 H, 496a	K-H	3
16.4 5.3 A	N	4
16.5 15.2 H	K-H	1
16.9 18.5 A	K-H	2
16.9 19.4 A	K-H	2
16.8 21.9 H	N	1
17.6 11.6 H 497a	K-H	1
17.6 17.2 A	N	1
17.5 17.3 A	N	1
17.2 22.8 H 498a	K-H	1
18.2 7.3 A	N	1
18.1 13.6 A	N	1
19.3 17.4 H	K-H	3
19.8 9.2 A	K-H	1
19.6 9.6 H 499	K-H	2
19.5 13.1 H 500	K-H	1
19.9 20.2 A	N	1
21.0 19.3 H	N	2
20.2 14.5 H,	N	1
20.3 15.0 A	N	2
20.2 15.6 A	N	1
20.1 20.9 A	N	3
21.9 7.3 H 501	K-H	2
21.7 9.2 H 502	K-H	3
22.0 12.0 A	N	1
21.7 13.7 H 503	K-H	1
20.8 13.0 A	N	1

¹⁹⁰⁰ R.A. Dec.	^{2nd} A.G.B.	¹⁹⁰⁰ R.A. Dec.	¹⁹⁰⁰ Magn. C.D.M. R.A. Dec. Magn.
13 ^h 59.9 ^m -32.2°	19102	13 ^h 59.6 ^m -32° 12'	8.5
13 40.0 -32.7	18696	13 40.0 -32 33	4.5
13 45.9 -32.6	18833 18834	13 46.0 -32 30	5 ⁻
13 3.0 -32.7	19169	13 46.0 -32 30	6.8
14 10.3 -32.8	19315	14 2.5 -32 34	8 1/4 -32 987114 1.1 -32 27 7.2
14 12.4 -32.7	19347	14 10.4 -32 47	6.7
14 18.6 -32.8	19480	14 12.5 -32 45	6.7
13 54.0 -33.2	18993	14 18.3 -32 38	7.0
14 7.7 -33.3	19258	13 53.8 -33 3	8.2
14 7.9 -33.2	19267	14 7.3 -33 6	8.5 -32 9946 14 5.9 -32 58 7.7
14 20.5 -32.9	19534	14 6.8 -32 59	8 -32 9951 14 6.0 -32 56 7.6
13 43.6 -33.3	18777	14 7.5 -33 3	8 -32 9951 14 6.0 -32 56 7.6
13 59.3 -33.2	19110	14 6.0 -32 56	8 -32 9951 14 6.0 -32 56 7.6
13 58.2 -36.8	19071 19073	14 20.5 -32 48	7.3
13 47.9 -34.3	18866	13 43.6 -33 20	8
13 48.8 -34.2	18891	13 0.0 -33 13	8.8
13 57.2 -33.9	19053	13 58.1 -36 48	7.8
14 14.2 -34.4	19394	13 58.2 -36 47	7.2
13 48.3 -34.8	18871	13 47.8 -34 11	8.5
14 1.0 -34.5	19125	13 48.8 -34 7	7.2
14 2.2 -34.6	19168	13 57.3 -34 3	8.2
14 4.1 -34.5	19186	14 14.7 -34 13	8
14 16.3 -34.4	19435	13 48.1 -34 50	6.7
13 43.1 -35.2	18760 18761	14 0.6 -34 25	7.5
13 47.3 -35.2	18868	14 2.4 -34 30	8.5
13 54.8 -35.3	19009	14 3.5 -34 24	7.5
13 59.0 -35.1	19081	14 16.3 -34 20	6.0
13 57.7 -34.6	19049	13 43.1 -35 12	10
		13 43.1 -35 12	6.8
		13 47.7 -35 11	6.0
		13 54.6 -35 18	8
		13 58.7 -35 10	7.2
		13 57.1 -34 42	8.5

November ²² 23, 1892

Plate 5429

δ	Hb	C.L.	Run.	Kline	Int
21.4	14.7	Hb		N	1
21.6	23.0	H	504	K=H	1
23.0	6.5	A		N	3
22.8	12.8	A		N	2
22.9	14.6	G		K=12H	5
23.7	17.3	A		N	1
23.3	6.4	H	505	K=H	2
24.5	19.5	A		N	2

Plate 5202 R.A. $14^h 42^m$ Dec. -31.5

4.6	7.2	A		N	1
4.3	11.2	H	506	K=H	2
4.7	13.8	A		K=H	1
4.1	15.0	A		K=0.1H	3
4.4	17.6	A		N	1
5.7	6.0	A		N	1
5.1	11.4	G		K=H	2
5.3	14.5	A		N	1
6.0	23.5	H	507	K=H	1
6.3	7.9	A		K=H	2
6.9	12.3	H		K=H	1
6.0	14.5	A		N	1
6.3	13.0	E		K=H	1
6.2	14.8	H	508	K=H	1
6.6	15.9	L		K=H	3
6.1	16.4	A		N	1
6.1	19.6	A		K=H	.3

R.A. ¹⁹⁰⁰ Dec. A.G.B.	R.A. ¹⁹⁰⁰ Dec. Magn. C.D.M.	R.A. ¹⁹⁰⁰ Dec. Magn.
14 1.3 -34.9 19142	14 7.2 -35° 1 7.2	
14 21.2 -35.2 19561	14 21.5 -35° 0 7.2	
13 41.2 -35.8 18718	13 41.1 -35° 45 5.8	
13 57.1 -35.6	Not in A.G.B.	-35° 9 210 13 55.0 -35° 34 7.3
14 1.0 -35.9 19129	14 0.8 -35° 52 2.2	
14 8.0 -36.2 19274	14 7.8 -36° 9 7.8	
13 41.2 -35.8 18826	13 45.8 -35° 57 6.7	-35° 9 054 13 44.3 -35° 49 6.7
14 13.1 -36.6 19363	14 13.3 -36° 32 6.4	

14 24.7 -26.4 19639	14 24.9 -26° 24 8.2	
14 33.9 -26.4 19848	14 33.8 -26° 18 6.9	
14 40.0 -26.4 19982	14 39.7 -26° 31 8.5	
14 42.7 -26.3 20048	14 42.2 -26° 13 6.3	
14 48.3 -26.4	-26° 10 585 14 46.6 -26° 13 8.1	
14 22.0 -26.9 19575	14 22.2 -26° 52 8	
14 34.2 -26.7 19857	14 34.2 -26° 42 7	
14 41.2 -26.9	-26° 10 505 14 39.6 -26° 43 8.3	
15 1.7 -27.3 20499	15 1.2 -27° 6 8	
14 26.3 -27.3 19676	14 26.2 -27° 16 8.2	
14 36.3 -27.7 19899	14 36.1 -27° 38 7	
14 41.0 -27.2		
14 38.1 -27.4		
14 41.8 -27.4 20043	14 41.9 -27° 16 7.8	
14 44.3 -27.6 20100	14 44.5 -27° 32 4.8	
14 45.2 -27.4		
14 52.8 -27.3 20295	14 52.8 -27° 15 5.9	

Mrs. F. please re-measure 6.0 14.2?

-27° 10 011 14 36.4 -27° 14 8.7

-27° 10 082 14 44.1 -27° 7 8.5

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Plate 5202

V. Hb. Cl. Run. Kline Inst.

7.0	21.1	A		K=0.3H	3
6.9	21.8	F	509	K=H	1
7.5	13.2	H		N	1
7.4	16.2	A		K=H	2
7.6	17.4	E		K=H	1
7.4	17.7	E		K=H	2
7.4	17.8	E		K=H	1
7.1	22.0	A		K=H	1
7.5	22.2	F	510	K=H	2
7.8	24.2	A		K=H	1
8.2	10.1	A		N	1
8.0	11.3	A		N	1
8.3	12.3	A		K=0.5H	2
8.5	12.4	A		N	1
8.7	12.8	A		N	1
8.9	15.8	F		K=H	2
8.6	17.0	A		N	1
9.0	18.9	A		N	3
8.2	19.5	F	511	K=H	1
8.9	21.3	A		N	1
9.0	21.7	A		N	1
9.7	6.2	A		N	3
9.1	6.7	F	512	K=H	2
9.0	10.0	F	513	K=H	1
9.3	11.6	F	514	K=H	2
10.0	12.2	A		K=0.4H	2
10.0	10.4	A		K=H	1
9.4	12.3	A		N	1

¹⁹⁰⁰ R.A. Dec.	^{No.} A.G.B.	¹⁹⁰⁰ R.A. Dec.	¹⁹⁰⁰ Magn.	^{No.} C.M.	¹⁹⁰⁰ R.A. Dec.	¹⁹⁰⁰ Magn.
14 56.2 -27.8	20376	14 56.2 -27 40	6.2			
14 57.6 -27.6	20417	14 57.6 -27 27	8.2			
14 57.6 -27.6	20418	14 57.6 -27 27	8.2			
14 36.1 -28.0					27 10015 14 36.8 -27 49	7.9
14 45.0 -28.0	20110	14 45.0 -27 54	7.8			
14 47.8 -28.0	20163	14 47.9 -28 0	7.0			
14 48.2 -27.9	20181	14 48.4 -27 56	6.9			
14 48.4 -27.9					27 10114 14 47.2 -27 46	8.8
14 58.1 -27.8	20426	14 58.1 -27 40	7.5			
14 58.7 -28.1	20441	14 58.6 -27 54	7.5			
15 3.3 -28.2	20538	15 3.1 -27 59	8		27 10236 14 1.6 -27 52	7.3
14 31.6 -28.4	19794	14 31.2 -28 18	8.8			
14 34.3 -28.3					28 10858 14 32.4 -28 4	8.0
14 36.6 -28.4	19901	14 36.1 -28 23	8.5			
14 37.0 -28.5	19924	14 37.2 -28 33	9			
14 38.0 -28.6	19951	14 38.6 -28 35	9			
14 44.0 -28.7	20090	14 44.1 -28 37	7.2			
14 47.1 -28.6					28 11007 14 45.4 -28 24	8.4
14 51.3 -28.8	20247	14 51.3 -28 45	6.5			
14 52.7 -28.4	20288	14 52.6 -28 18	8			
14 56.8 -28.7	20387	14 56.7 -28 37	8.8			
14 57.4 -28.8	20413	14 57.5 -28 39	8			
14 22.4 -29.2	19577	14 22.4 -29 3	4.8			
14 23.3 -28.7	19593	14 23.4 -28 40	7.5			
14 31.0 -28.7	19784	14 30.9 -28 40	8.5			
14 35.0 -28.9	19863	14 34.6 -28 53	7.2			
14 36.3 -29.3	19892	14 35.9 -29 16	7.2			
14 32.0 -29.3	19804	14 31.6 -29 15	8.5			
14 32.0 -29.3	19806	14 31.6 -29 15	9			
14 36.4 -28.9	19897	14 36.0 -28 55	7.8			

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Plate 5202

V. H. G. Run^{No.} Kline Int.

9.5	15.3	A		N	1	14
9.5	18.1	A		K-H	1	14
10.0	23.3	A		K-H	1	15
9.9	24.0	A		K-H	1	15
10.1	7.1	F	515	K-H	1	14
11.0	10.3	H		N	1	14
10.3	12.8	A		K-H	1	14
10.0	13.0	F	516	K-H	2	
10.6	13.1	G		K-H	2	14
10.4	17.8	A		N	1	14
10.6	18.5	A		K-H	2	14
10.8	22.4	J		K-H	2	14
12.0	8.5	G		K=1.2H	3	14
11.7	10.9	A		N	1	14
11.7	11.7	H		N	1	14
11.4	14.7	H		N	1	14
11.5	15.0	H		N	1	14
11.5	15.1	A		K-H	2	14
11.7	16.8	F	517	K=1.2H	3	14
12.0	19.8	A		K=0.5H	2	14
11.7	21.7	G		K-H	1	14
11.9	22.5	F	518	K-H	3	14
12.8	10.0	A		N	1	14
12.4	12.3	A		N	3	14
12.3	13.2	G		K-H	1	14
12.6	14.1	G		K-H	1	14
12.4	16.4	F	519	K-H	1	14
12.7	16.9	F	520	K-H	1	14

1900.					
R.A.	Dec.	Magn.	R.A.	Dec.	Magn.
14	43.2 ^m -29.2 ^s				
			-29 11335	14 41.6	-29 2 8.3
14	49.5 -29.2	20195	14	49.3 -29 7	8.5
15	1.3 -29.3	20502	15	1.2 -29 7	8.2
15	3.0 -29.2	20530	15	2.7 -28 59	8.5
			-28 11179 ¹⁵	1.2 -28 53	7.8
14	24.5 -29.4 ³	19615	14	24.2 -29 11	8.2
14	31.3 -29.8	19799	14	31.3 -29 45	8
14	37.1 -29.4				
			-29 11261	14 35.8 -29 15	8.2
14	38.4 -29.6	19938	14	37.8 -29 34	7.2
14	48.8 -29.5				
			-29 11387	14 47.2 -29 20	8.5
14	50.6 -29.6	20226	14	50.4 -29 33	8.2
14	59.2 -29.7	20455	14	59.3 -29 36	7.2
14	27.3 -30.3	19697	14	27.3 -30 17	6.4
14	30.8 ⁶ -30.2				
14	34.5 -30.2	19861	14	34.5 -30 7	8
14	41.6 -29.9	20028	14	41.5 -29 55	8.2
14	42.4 -30.0	20057	14	42.6 -30 1	8.8
			-29 11321	14 40.7 -29 58	8.1
14	42.8 -30.1	20057			
			-29 11325	14 41.1 -29 56	8.0
14	46.7 -30.2	20135	14	46.6 -30 10	6.7
14	53.6 -30.4	20312	14	53.4 -30 18	9
		20313	14	53.5 -30 19	7
14	57.8 -30.2				
			-29 11500	14 56.3 -29 59	7.3
14	59.5 -30.3	20462	14	59.5 -30 10	6.8
14	30.4 -30.7	19778	14	30.7 -30 36	9
14	35.8 -30.6	19894	14	35.9 -30 30	6.6
14	38.1 ⁸ -30.5				
14	40.2 -30.6				
14	45.6 -30.5				
14	46.7 -30.7	20143	14	46.8 -30 38	8.2
			-30 11687	14 38.7 -30 26	8.1
			-30 11767	14 44.2 -30 22	9.5
			-30 11768	14 44.2 -30 21	8.8

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Plate 5202

V. H. bel. Run. Kline Int.

12.5	18.4	A		K=H	1
12.6	22.9	A		N	3
12.4	24.0	A		N	1
14.0	14.3	H		N	1
13.4	15.0	H	521	K=H	1
13.4	15.6	A		N	1
13.9	17.4	H	522	K=H	1
13.1	18.1	A		N	1
13.8	22.7	A		K=0.3H	2
13.5	21.5	H	523	K=H	1
14.5	6.3	H	524	K=H	1
15.0	8.1	H		N	1
14.1	8.6	A		N	1
14.5	9.0	H		K=H	2
14.5	10.9	H	525	K=H	1
14.9	14.3	H	526	K=H	1
15.0	14.9	H		N	1
14.8	17.2	A		N	1
14.6	21.7	H	527	K=H	1
14.2	23.0	A		N	1
15.2	11.9	H		N	1
16.0	12.5	H		K=1.2H	3
15.3	13.1	A		N	1
15.8	15.2	A		N	1
15.4	15.6	H		K=H	2
15.5	16.0	H	528	K=H	2
15.8	18.4	L		K=H	3
15.9	21.2	A		N	4

should be 20.7?

¹⁹⁰⁰ R.A. Dec. 4.96.	¹⁹⁰⁰ R.A. Dec. Magn	¹⁹⁰⁰ C.D.M. R.A. Dec. Magn
14 50.4 -30.6 20223	14 50.3 -30 28 8.8	
15 0.5 -30.6 20484	15 0.5 -30 32 6.5	
15 3.3 -30.4	-30 11988	15 1.5 -30 12 8.3
14 40.6 -31.3 20003	14 40.4 -31 15 8.2	
14 42.5 -31.1	-30 11714	14 40.9 -30 52 8.4
14 44.0 -31.0	-30 11736	14 42.3 -30 51 8.5
14 48.0 -31.3 20167	14 48.0 -31 13 8.5	
14 49.5 -30.8		
14 56.0 -31.3 20375	14 56.2 -31 12 8.5	
14 57.7 -31.1 20412	14 57.4 -30 57 8	
14 21.0 -31.3	-31 11207	14 20.3 -31 18 8.2
14 25.8 -31.9 19669	14 26.1 -31 45 7.2	
14 27.0 -31.5	-31 11280	14 25.7 -31 6 8.7
14 28.0 -31.7 19715	14 28.1 -31 31 7.5	
14 32.4 -31.6	-31 11350	14 31.1 -31 23 7.8
14 40.4 -31.8	-31 11449	14 39.0 -31 39 8.0
14 42.2 -31.9 20042	14 41.8 -31 47 8.5	
14 47.2 -31.7	-31 11546	14 45.9 -31 34 8.4
14 58.3 -31.6	-31 11679	14 56.6 -31 26 8.2
15 0.8 -31.4	-31 11709	14 59.4 -31 10 8.6
14 35.0 -32.0 19868	14 34.9 -31 54 8.2	
14 35.0 -32.0 19869	14 34.9 -31 54 7.5	
14 36.2 -32.4 19895	14 36.0 -32 23 8.5	
14 37.9 -32.0	-31 11428	14 36.2 -31 45 8.8
14 43.0 -32.3 20062	14 42.7 -32 12 8.2	
14 44.0 -32.1 20083	14 43.7 -32 0 7.2	
14 44.9 -32.2 20102	14 44.6 -32 2 7.5	
14 50.4 -32.3 20228	14 50.4 -32 14 6.4	
14 57.0 -32.4 20392	14 56.8 -32 15 5.8	

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Plate 520 2

Dr. H. C. Allen, K. L. Linn, Int.

17.0 10.3 \bar{H}	529	$K=H$	1
16.3 12.4 \bar{A}		$K=0.3H$	2
16.5 15.6 \bar{A}		N	2
16.3 18.8 \bar{A}		$K=0.2H$	3
16.3 15.9 \bar{A}		$K=0.5H$	2
16.9 18.9 \bar{A}		N	1
16.3 19.9 \bar{H}	530	$K=H$	2
16.6 23.0 \bar{A}		N	3
17.2 5.9 \bar{H}	531	$K=H$	2
17.9 7.5 \bar{E}		$K=H$	1
17.2 8.8 \bar{E}		$K=H$	2
17.3 11.3 \bar{H}	532	$K=H$	2
17.8 12.5 \bar{E}		$K=H$	2
17.7 14.0 \bar{A}		N	1
18.0 14.3 \bar{H}	533	$K=H$	1
17.8 16.9 \bar{A}		$K=H$	2
17.9 17.3 \bar{A}		$K=0.2H$	3
17.8 17.3 \bar{H}		N	1
17.1 17.7 \bar{H}		$K=1.2H$	3
18.2 13.1 \bar{A}		N	1
18.6 15.4 \bar{H}	534	$K=H$	1
18.8 17.5 \bar{A}		$K=0.2H$	3
18.2 18.1 \bar{A}		N	4
18.1 19.2 \bar{A}		N	1
18.2 17.8 \bar{A}		N	1
18.3 20.3 \bar{H}	535	$K=H$	2
18.4 20.9 \bar{A}		N	1
18.6 23.9 \bar{H}	536	$K=H$	1

¹⁹⁰⁰ R.A. Dec. ^{Mag.} A.G.B.	¹⁹⁰⁰ R.A. Dec. ^{Mag.} C.D.M.	¹⁹⁰⁰ R.A. Dec. ^{Mag.}	
14 31.2 -32.8 19786	14 31.0 -32° 45' 8.8		
14 36.0 -32.5 19895	14 36.0 -32 23 8.5-32 10301	14 34.4-32 16 8.0	
14 44.0 -32.7 20082	14 43.7 -32 34 8.8		
14 51.3 -32.5 20246	14 51.2 -32 26 7 -32 10490	14 49.7-32 19 7.3	
14 51.6 -32.5 20252	14 51.6 -32 26 8.2 -32 10492	14 50.1-32 19 7.5	
14 52.0 -32.7	-32 10493	14 50.1-32 36 8.8	
14 54.0 -32.5 20326	14 53.9 -32 26 8.5		
15 1.3 -32.6 20495	15 1.1 -32 32 7.4		
14 20.0 -32.9 19534	14 20.5 -32 48 7.3		
14 24.1 -33.2 19620	14 24.3 -33 11 8		
14 27.6 -32.9 19702	14 27.5 -32 53 7.0		
14 33.5 -33.0 19837	14 33.2 -32 57 8		
14 36.5 -33.3 19903	14 36.2 -33 12 7.8		
14 39.8 -33.2	-32 10353	14 38.3-32 59 8.4	
14 40.2 -33.4 19995	14 40.3 -33 20 8.2 -33 10050	14 38.8-33 15 7.8	
14 47.0 -33.3 20140	14 46.7 -33 13 8.5 -33 10035	14 45.2-33 7 7.6	
14 47.6 -33.4 20159	14 47.6 -33 17 7.8		
14 48.0 -33.3 20161	14 47.7 -33 14 7.3		
14 48.6 -32.9 20183	14 48.5 -32 53 6.2		
14 37.6 -33.5	-33 10019	14 36.0-33 15 8.7 -33 10018 may be super	
14 43.2 -33.6 20069	14 43.2 -33 36 8		
14 48.3 -33.7 20176	14 48.3 -33 44 7.0		
14 49.5 -33.5 20203	14 49.6 -33 27 5.8		
14 52.4 -33.4	-33 10199	14 50.8-33 10 8.5	
14 53.8 -33.5	5	-33 10217	14 52.3-33 16 8.3
14 54.9 -33.6 20346	14 54.9 -33 26 7.4	-33 10230	14 53.4-33 20 7.2
14 56.4 -33.6	-33 10253	14 54.9-33 20 8.0	
15 3.8 -33.7	-33 10350	15 2.0-33 20 8.4	

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Plate 5202

V 16 Bl. Rem. Kline Int.

20.0 8.0 A N 2

16.5 12.2 H N 1

20.0 8.8 B K=H 1

20.1 10.0 A N 1

20.1 10.3 A N 2

20.0 14.8 A K=H 2

19.8 16.4 F 537 K=H 2

19.5 16.9 A N 1

19.3 20.7 A K=0.5H 3

Should be 20.9, 9.5 20.9 19.5 A N 1

21.0 11.0 A K=0.3H 2

20.7 ^{13.2}/_{12.2} K K=1.2H 3

20.7 13.7 A N 4

20.7 15.9 A N 1

21.0 16.4 A K=H 1

20.2 21.2 A N 1

Should be 20.8 21.8 6.9 A N 1

21.6 6.5 F 538 K=H 2

21.5 9.5 F 539 K=H 1

21.7 11.2 F 540 K=H 2

21.6 15.3 A K=0.3H 2

22.0 16.5 A N 2

21.3 18.8 H N 2

21.7 22.4 A N 1

22.5 10.1 A N 1

22.7 12.1 A N 3

22.6 13.8 A N 2

22.2 15.1 F K=H 2

¹⁹⁰⁰ R.A. Dec.	²⁰ A.G.B.	¹⁹⁰⁰ R.A. Dec.	¹⁹⁰⁰ Magn.	¹⁹⁰⁰ P.M. R.A. Dec. Magn.
14 24.6 -34.3	19644	14 25.2 -34 14	7.5	
14 35.4 -33.6	19881	14 35.3 -33 31	8.5	
14 26.7 -34.3	19693	14 27.1 -34 17	8.5	
14 29.5 -34.4	19757	14 30.0 -34 29	7.5	
14 30.4 -34.4	19758	14 30.0 -34 20	8.2	
14 41.5 -34.4	20031	14 41.5 -34 18	8	
14 50.3 -34.3	20224	14 50.3 -34 13	7.8	
14 51.5 -34.2				-3310191 14 49.9 -33 56 8.4
14 55.6 -33.9	20361	14 55.7 -33 58	6.6	
14 28.5 -34.8				
14 32.2 -34.9	19818	14 32.3 -34 51	7.0	
14 37.4 -34.8	19931	14 37.5 -34 44	4.3	
14 39.2 -34.8	19958	14 38.8 -34 46	5.4	
14 44.5 -34.8				-34 9964 14 42.8 -34 35 8.0
14 50.8 -34.9	20229	14 50.5 -34 50	7.8	
14 57.1 -34.5				-3410139 14 55.4 -34 18 9.1
14 22.5 -34.8				
14 21.4 -35.2	19561	14 21.5 -35 0	7.2	
14 28.7 -35.2	19725	14 28.6 -35 2	7.8	
14 32.7 -35.2	19829	14 32.8 -35 10	8.2	
14 42.9 -35.3	20062 ⁵	14 42.8 -35 8	8.2	
14 51.4 -35.4				
14 57.8 -35.2	20248	14 57.3 -34 59	8	-3410063 14 49.8 -34 53 7.1
15 0.4 -35.1	20234			-35 9917 14 49.2 -35 11 8.0
14 30.0 -35.6				-35 9645 14 28.6 -35 22 8.4
14 35.0 -35.8	19867	14 34.9 -35 43	6.2	
14 39.4 -35.8	19966	14 39.1 -35 43	7.5	
14 42.5 -35.5	20050	14 42.3 -35 25	9	
	20051	14 42.3 -35 25	7.2	

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Plate 5202

V Ho L.L. R^N. Kline Int.

22.72	23.7 19.0 A	N	2	14
22.64	23.6 19.7 G	K-H	2	14
	22.4 20.1 A	N	1	14
should be 21.1?	22.5 22.1 A	N	3	14
	23.6 8.0 A	N	1	14
	23.7 9.9 A	N	1	14
	23.9 10.4 A	N	2	14
	24.0 10.6 A	N	2	14
	23.6 15.1 Mt.	N	2	14
	23.4 17.7 A	N	2	14
	23.3 21.5 A	N	2	14
	24.1 17.5 Fr 541	K-H	1	14
	24.4 19.6 H	N	1	14
	24.6 20.4 Fr 542	K-H	1	14

Plate 3448 R.A. 15^h 16^m Dec. -31.5

4.7	12.1 Fr 543	K-H	1	15
4.6	13.0 H	K-H	1	15
4.6	14.2 H	N	1	15
4.0	15.2 G	K-H	2	15
3.7	21.6 A	N	2	15
5.7	8.2 A	K-H	1	15
5.7	12.1 Fr 544	K-H	2	15
5.9	14.7 G	K-H	1	15
5.2	15.5 G	K-H	1	15
5.2	15.7 G	K-H	2	15
5.0	20.5 Fr 545	K-H	1	15

R.A. ¹⁹⁰⁰	Dec.	²⁰ A.G.B.	R.A. ¹⁹⁰⁰	Dec.	¹⁹⁰⁰ Magn.	R.A. ¹⁹⁰⁰	Dec.	¹⁹⁰⁰ Magn.
14 52.2	-35.7	20265	14 51.9	-35° 40'	8			
14 53.8	-35.7	20320	14 53.8	-35 38	8.2			
14 54.8	-35.5							
								-35 9965 14 53.1 -35 20 8.8
14 57.5	-35.6	20407	14 57.4	-35 33	6.7			
14 24.4	-36.2	19631	14 24.8	-36 0	8.5			
14 29.1	-36.3							-36 9476 14 28.0 -36 0 7.7
14 30.5	-36.4	19771	14 30.6	-36 14	7.8			
14 31.0	-36.4	19791	14 31.2	-36 17	8.5			
14 42.4	-36.3	20052	14 42.4	-36 13	6.8			
14 48.8	-36.3							
14 58.0	-36.0	20427	14 58.2	-35 54	8			
14 48.6	-36.5							-36 9735 14 46.8 -36 16 8.0
14 53.7	-36.6							-36 9809
14 55.6	-36.7	20357	14 55.6	-36 32	8			

R.A. ¹⁹⁰⁰	Dec.							
15 9.7	-26.7							-26 10783 15 8.4 -26 33 8.0
15 12.0	-26.7							
15 14.6	-26.7	20778	15 14.6	-26 40	8			
15 17.3	-26.4	20829	15 17.0	-26 20	6.7			
15 31.5	-26.3	21152	15 31.1	-26 10	7.3			
15 1.0	-27.2	20499	15 1.2	-27 6	8			
15 9.5	-27.3	20685	15 9.7	-27 14	6.9			
15 15.6	-27.4	20805	15 15.7	-27 17	8.2			
15 17.6	-27.0	20844	15 18.0	-26 57	7.3			-26 10846 15 16.1 -26 48 8.2
15 18.1	-27.0							-26 10846 15 16.5 -26 52 7.3
15 29.5	-26.8							-26 10944 15 27.4 -26 44 8.0

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Plate 3448

V Hb Cl Rini. Kline Int.

6.0	22.6	A	N	2	15
6.9	6.0	A	N	3	14
6.5	6.7	F	546 K=H	1	14
6.9	6.9	A	N	1	14
6.3	11.9	A	N	2	15
7.0	14.2	A	N	3	15
6.4	14.7	A	N	1	15
6.5	15.5	A	N	1	15
6.5	16.9	F	547 K=H	1	15
6.9	19.2	A	N	2	15
6.6	20.3	K	K=H	2	15
6.7	21.4	K	K=H	4	15
7.0	22.0	F	K=H	2	15
7.3	7.1	F	548 K=H	2	14
7.4	9.1	A	K=H	2	15
7.4	19.1	H	N	1	15
7.5	20.6	F	549 K=H	1	15
6.5	23.7	B	K=H	1	15
9.0	15.1	G	K=H	3	15
8.2	17.8	F	550 K=H	3	15
8.6	20.6	A	N	2	15
8.5	21.0	H	N	1	15
9.6	8.4	F	551 K=H	1	15
9.1	8.8	F	552 K=H	1	15
9.3	9.1	F	553 K=H	1	15
9.6	17.7	F	554 K=H	1	15
10.0	22.0	A	N	5	15
10.0	22.6	A	N	1	15

Shimada 20.7

¹⁹⁰⁰ R.A. Dec. A.B.	¹⁹⁰⁰ R.A. Dec. Magn.	¹⁹⁰⁰ R.A. Dec. Magn.
15 33.5-27.5 21212	15 33.5 - 27 19 8	
14 56.3-27.7 20376	14 56.2 - 27 40 6.2	
14 58.0-27.6 20426	14 58.1 - 27 40 7.5	
14 58.5-27.8 20441	14 58.6 - 27 54 7.5	
15 9.4-27.5 20669	15 9.3 - 27 29 7.5	
15 14.5-27.9 20773	15 14.5 - 27 56 7.0	
15 15.5-27.7	not in A 96	-27 10333 15 14.1 - 27 29 8.2
15 17.7-27.7 20839	15 17.7 - 27 36 8.5	
15 21.0-27.7 20908	15 20.8 - 27 37 7.6	
15 25.6-27.9 21035	15 26.1 - 27 49 8.2	
15 28.4-27.8 21090	15 28.6 - 27 42 5.7	
15 30.6-27.9 21146	15 30.9 - 27 48 3.9	
15 32.3-27.9 21180	15 32.2 - 27 53 6.5	
14 59.0-28.1		-27 10200 15 57.1 - 27 48 7.2
15 3.0-28.1 20538	15 3.1 - 27 59 8	
15 25.5-28.2 21029	15 25.7 - 28 4 8	
15 29.0-28.3 21100	15 29.1 - 28 8 8.2	
15 29.2-28.9		
15 17.0-29.0 20824	15 16.7 - 29 0 6.6	
15 23.0-28.6 20964	15 22.9 - 28 31 6.8	
15 23.0-28.6 20966	15 22.9 - 28 31 9	
15 29.2-28.8 21106	15 29.2 - 28 43 7.2	
15 29.9-28.7 21131	15 30.1 - 28 40 7	
15 1.2-29.2 20502	15 1.2 - 29 7 8.2	
15 2.3-28.9 20519	15 2.1 - 28 49 8.2	
15 2.6-29.0 20530	15 2.7 - 28 59 8.5	
15 22.7-29.3 20955	15 22.6 - 29 13 8.2	
15 32.5-29.5 21186	15 32.5 - 29 27 8.8	
15 33.6-29.5 21217	15 33.7 - 29 25 8.5	

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Plate 3445

V. No. Cel. Rumi. Kline Int.

10.6	9.3	E		K=H	1
10.6	7.6	G		K=H	2
10.6	13.1	L		K=1.2H	3
10.5	22.8	F	555	K=H	1
10.8	23.5	H		N	1
11.6	7.1	E		K=H	1
11.6	7.8	F	556	K=H	2
11.4	8.1	H		N	1
11.9	9.2	A		N	1
11.9	11.2	E		K=H	1
11.9	12.3	E		K=H	2
11.1	15.0	H		N	1
10.9	19.3	F	557	K=H	1
11.6	24.1	A		N	2
12.0	24.3	H		N	1
12.3	8.3	A		N	3
12.2	10.6	F	558	K=H	2
12.7	13.5	J		K=H	2
12.0	14.1	E		K=H	1
13.0	16.7	F	559	K=H	2
12.7	19.2	E		K=H	1
12.4	19.9	E		K=H	1
12.9	21.7	F	560	K=H	2
12.9	22.6	J		K=H	2
13.7	6.2	A		N	2
13.4	7.0	F	561	K=H	1
13.9	8.5	A		N	1
13.3	11.7	A		K=H	3

¹⁹⁰⁰ R.A. Dec. A.G.B.	¹⁹⁰⁰ R.A. Dec. Magn.	^{No.} C.D.M. R.A. Dec. Magn.
14 58.5 - 29.7		-29 11512 14 56.9 - 29 28 8.6
14 59.4 - 29.7 20455	14 59.3 - 29 36 7.2	-29 11523 14 57.8 - 29 30 7.1
15 11.5 - 29.9 20721	15 11.7 - 29 47 4.7	
15 34.4 - 29.7 21228	15 34.2 - 29 39 8.5	
15 36.1 - 30.0		-29 11877 15 34.2 - 29 45 8.0
14 57.9 - 30.3	Not in A.G.B.	-29 11500 14 56.3 - 29 59 7.3
14 59.5 - 30.2 20462	14 59.5 - 30 10 6.8	
15 0.1 - 30.0 20473	15 0.1 - 30 2 8	
15 3.0 - 30.4	Not in A.G.B.	-30 11988 15 1.5 - 30 12 8.3
15 7.2 - 30.4	" " "	-30 12040 15 5.8 - 30 14 8.6
15 10.0 - 30.4		-30 12072 15 8.5 - 30 16 8.1
15 16.5 - 30.1 20820	15 16.4 - 30 2 8.2	
15 26.5 - 30.0	Not in A.G.B.	-29 11754 15 24.7 - 29 46 8.7
15 37.7 - 30.5 21317	15 37.9 - 30 24 8	
15 38.3 - 30.7	Not in A.G.B.	-30 12489 15 36.4 - 30 18 7.2
15 0.5 - 30.6 20484	15 0.5 - 30 32 6.5	-30 12490 15 36.4 - 30 22 9.0
15 6.1 - 30.5 20593	15 6.0 - 30 31 8	
15 12.5 - 30.9 20734	15 12.5 - 30 51 7.0	
15 14.3 - 30.4 20763	15 14.1 - 30 29 8	
15 20.3 - 31.0 20901	15 20.3 - 30 58 7.0	
15 26.4 - 30.8	Not in A.G.B.	-30 12311 15 24.6 - 30 43 8.0
15 27.9 - 30.7 21070	15 27.7 - 30 41 8.2	
15 31.7 - 30.9 21164	15 31.6 - 30 55 7.5	
15 33.7 - 30.9 21224	15 34.0 - 30 53 6.9	
14 55.9 - 31.3 20359	14 55.7 - 31 9 7.5	-31 11646 14 54.2 - 31 3 7.9
14 57.6 - 31.2	Not in A.G.B.	-30 11924 14 56.9 - 30 53 7.8
15 1.2 - 31.3	" " "	-31 11719 14 59.4 - 31 10 8.6
15 8.5 - 31.2 20651	15 8.5 - 31 9 5.5	

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Plate 3448

V He H β R γ H δ K line Int

14.0	12.6	A		N	1
13.3	13.0	A		N	1
13.9	14.0	F	562	K=H	1
13.4	14.9	B		K=H	1
14.0	15.4	A		N	1
13.8 14.8	15.9	A		N	1
13.3	17.7	A		K=0.3H	2
13.5	21.4	F	563	K=H	1
13.3	22.5	F	564	K=H	1
13.7	24.2	G		K=H	2
14.5 73?	13.5	7.3 F	565	K=H	1
14.8	9.7	F	566	K=H	1
14.2	13.6	A		K=H	1
14.4	13.8	A		N	1
14.6	15.0	sub.		N	1
14.9	15.4	sub.		N	1
14.6	16.1	A		K=H	2
14.2	19.4	A		K=H	1
14.4	19.8	A		N	1
14.5	21.3	F	567	K=H	2
14.2	22.3	A		N	1
14.2	23.2	F	568	K=H	1
14.9	23.6	A		N	3
15.8	6.9	A		N	4
16.0	10.7	A		N	1
15.0	18.4	B		K=H	1
15.6	21.1	A		N	2
15.4	21.4	F	569	K=H	1

R.A. 1900.	Dec.	^{no} A.G.B.	R.A. 1900	Dec.	^{no} Magn C.D.M.	R.A. 1900	Dec.	^{no} Magn.
15 10.5	-31.5	Not in A.G.B.	-31 11829	15 8.5	-31 22	15 12.9	8.6	
15 11.5	-31.2	" " "	-30 12099	15 10.0	-30 59	8.3		
15 14.0	-31.5	" " "	-31 11877	15 12.4	-31 16	8.5		
15 16.2	-31.2	" " "	-31 11895	15 14.4	-31 5	8.7		
15 17.5	-31.5	" " "	-31 11915	15 15.7	-31 21	8.4		
15 18.5	-31.5	" " "	-31 11932	15 17.0	-31 18	8.6	(Not 11931)	
15 22.6	-31.2	20954	15 22.5	-31 7	7.0			
15 31.0	-31.0	Not in A.G.B.	-31 12112	15 29.7	-31 6	7.5		
15 33.5	-31.1	" " "	-30 12423	15 32.2	-30 59	8.2		
15 37.6	-31.4	21314	15 37.9	-31 17	7.0			
14 57.6	-31.2	Not in A.G.B.						
15 3.6	-31.9	" " "	-31 11728	15 2.1	-31 40	7.9		
15 13.2	-31.6	" " "	-31 11861	15 11.4	-31 26	9.2		
15 13.5	-31.7	" " "	-31 11865	15 11.6	-31 34	8.4		
15 16.3	-31.9	20810	15 16.9	-31 50	7.2			
15 17.5	-32.0	20830	15 17.1	-31 58	8			
15 19.4	-31.8	20865	15 18.8	-31 48	8			
15 26.5	-31.6	Not in A.G.B.	-31 12033	15 24.9	-31 29	8.7		
15 27.7	-31.7	" " "	-31 12047	15 26.0	-31 36	9.0		
15 31.0	-31.9	" " "	-31 12108	15 29.5	-31 39	7.4		
15 33.5	-31.7	" " "	-31 12150	15 31.8	-31 28	8.8		
15 35.4	-31.8	" " "	-31 12177	15 34.0	-31 26	7.9		
15 36.2	-32.0	" " "	-31 12192	15 34.8	-31 47	7.3		
14 56.8	-32.3	20392	14 56.8	-32 15	5.8			
15 6.0	-32.6	Not in A.G.B.	-32 10658	15 4.2	-32 22	8.5		
15 24.1	-32.0	" " "	-31 11999	15 22.7	-31 52	8.6		
15 30.6	-32.4	" " "						
15 31.1	-32.3	" " "	-32 10944	15 29.7	-32 4	8.4		

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Plate 3446

Or Ho Col Perm. ^{Nr} Kline Int

16.0 22.0 H	K-H	1
16.0 22.8 H	N	1
16.4 5.9 F 570	K-H	1
16.3 8.7 A	N	3
16.7 11.3 F 571	K-H	1
16.2 12.4 E	K-H	1
16.0 14.1 F 572	K-H	2
16.5 16.5 A	N	1
16.1 19.0 A	N	3
16.9 19.2 A	N	1
16.7 19.9 A	N	2
16.5 20.8 A	N	3
16.0 21.1 A	N	2
16.4 22.3 A	K-H	1
17.6 10.6 E	K-H	2
17.1 11.2 H	N	1
17.4 11.5 F 573	K-H	1
17.4 17.4 A	N	3
17.4 18.5 E	K-H	2
17.8 18.7 A	K-H	3
17.3 23.8 F 574	K-H	1
18.3 6.2 F 575	K-H	1
18.1 9.8 F 576	K-H	1
18.3 13.8 A	N	2
18.6 15.1 A	N	2
19.0 17.6 A	N	1
19.3 6.7 A	K-H	2
20.0 9.3 A	N	1

R.A. ¹⁹⁰⁰ Dec. ²⁰ A.G.B.	R.A. ¹⁹⁰⁰ Dec. ¹⁹⁰⁰ Magn. ⁴⁰ C.D.M. R.A. Dec. Magn.
15 32.7 -32.6	Not in A.G.B. -32 10965 15 31.1 -32 24 8.6
15 34.5 -32.6	" " " Mrs. F.
14 54.0 -32.6 20326	14 53.9 -32 26 8.5
15 1.4 -32.7 20495	15 1.0 -32 32 7.4
15 7.7 -32.9	Not in A.G.B. -32 10677 15 5.7 -32 40 8.5
15 10.5 -32.6	" " " -32 10698 15 8.5 -32 25 8.7
15 14.3 -32.6	" " " -32 10738 15 12.3 -32 24 7.6
15 17.6 -32.8	" " " -32 10792 15 18.3 -32 36 8.9
15 25.5 -32.6 21024	15 25.6 -32 32 6.7
15 26.0 -33.0	Not in A.G.B. -32 10873 15 24.5 -32 51 8.3
15 27.9 -32.9 21074	15 27.9 -32 50 7.0
15 29.8 -32.8 21122	15 30.0 -32 45 6.6
15 30.8 -32.6	Not in A.G.B. -32 10942 15 29.1 -32 24 8.4
15 33.5 -32.6	" " " -32 10974 15 31.8 -32 34 8.4
15 6.0 -33.3 20584	15 5.5 -33 16 7.2
15 7.4 -33.0	Not in A.G.B. -32 10672 15 5.4 -32 51 8.1
15 8.0 -33.3 20628	15 7.6 -33 9 9 -33 10393 15 6.1 -33 3 8.6
15 21.5 -33.3 20930	15 21.8 -33 11 8
15 24.3 -33.3 20993	15 24.4 -33 14 8
15 24.9 -33.4 21011	15 25.0 -33 28 7.0
15 37.5 -33.3	Not in A.G.B. -33 10664 Mrs. F.
14 55.0 -33.5 20346	14 54.9 -33 26 7.8
15 4.0 -33.5	Not in A.G.B. -33 10350 15 2.0 -33 20 8.4
15 13.4 -33.8 20745	15 13.2 -33 40 8.5
15 16.4 -33.9 20815	15 16.2 -33 48 8
15 26.6 -34.1	Not in A.G.B. -33 10590 15 25.7 -33 56 8.1
14 55.6 -33.9 20361	14 55.7 -33 58 6.6
14 55.8 -34.5	Not in A.G.B. Mrs. F.

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Plate 3448

V Lb. Cl. Pinn. H line Lark

22 10

19.8 10.8	F 577	K-H	1
19.4 12.9	A	N	2
19.9 14.2	A	K=0.5H	2
19.5 15.0	H	K-H	1
19.7 15.5	F 578	K-H	1
19.5 16.5	A	K-H	1
20.0 17.4	B	K-H	1
19.1 22.2	H	K-H	3
19.7 23.4	A	N	4
20.2 11.0	A	N	2
21.0 17.9	A	K-H	1
20.2 23.1	A	N	1
20.6 24.4	A	N	1
22.0 9.9	H	K-H	1
22.0 11.6	A	N	1
21.9 16.0	A	N	2
21.7 16.8	A	N	2
21.5 18.5	A	K-H	1
21.2 22.6	A	K-H	1
22.0 23.2	F 579	K-H	1
22.6 6.0	F 580	K-H	1
22.3 7.5	A	K-H	2
23.0 7.9	F 581	K-H	1
22.9 8.6	H	N	1
22.4 11.4	A	N	3
22.6 14.9	K	K=1.2H	3
22.6 16.3	A	N	2
22.7 22.2	F 582	K-H	1

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Plate 3448

V Hb Cl. Run. Kline, Ent.

23.2	9.7	Hb	K=H	1
23.6	13.9	A	K=H	1
23.4	15.1	H	583 K=H	1
23.8	15.4	A	N	4
23.4	16.6	Hb	K=H	1
23.7	17.0	A	N	2

Plate 3904 R.A. 16^h 00^m Dec. - 29.2

4.3	9.0	A	N	3
4.8	11.2	B	584 N	3
4.8	12.2	A	N	1
4.4	12.9	A	N	1
4.6	13.6	Hb	N	1
4.1	15.2	A	N	2
4.4	16.3	A	K=H	2
4.1	17.9	B	585 N	2
4.5	18.6	A	N	1
3.9	19.2	A	N	2
3.9	21.1	A	N	3
5.7	6.4	A	N	2
5.8	9.0	B	586 N	3
5.7	9.4	A	N	2
5.7	10.6	A	N	1
5.6	12.5	A	K-Hb	1
5.7	13.7	A	K-Hb	1
5.5	15.5	A	N	1
6.0	16.3	H	587 K-Hb	1

R.A. ¹⁹⁰⁰ Dec.	^{20.} A.G.L.	R.A. ¹⁹⁰⁰ Dec.	¹⁹⁰⁰ Magn.	C.D.M. R.A. Dec. Magn.
15 3.0 -36.1	20528	15 2.7 -36° 3' 8"		
15 13.1 -36.4	Not in A.G.L.			
15 16.3 -36.3				-36 10060 15 11.4 -36 14 8.5
15 16.7 -36.5 ⁶	20825	15 16.8 -36 30 5.1		-36 10099 15 14.7 -36 6 8.2
15 19.7 -36.3	20892	15 19.9 -36 14 7		
15 20.8 -36.5	20909	15 20.9 -36 25 6.0		
15 47.9 -24.3	21529	15 47.9 -24 15 5.8		
15 52.4 -24.6	21632	15 52.6 -24 32 6.1		
15 54.8 -24.6	Not in A.G.L.			
15 56.3 -24.4				-24 12455 15 53.4 -24 27 8.5
15 57.6 -24.5	21768	15 57.9 -24 27 6.8		-24 12473 15 53.0 -24 14 9.0
16 1.7 -24.2	21856	16 1.9 -24 11 6.7		
16 4.0 -24.3	21902	16 4.2 -24 19 6.9		
16 7.8 -24.2	21976	16 7.7 -24 10 6.7		
16 9.1 -24.4	Not in A.G.L.			
16 10.4 -24.1	22039	16 10.4 -24 2 6.9		-24 12637 15 7.6 -24 16 8.6
16 14.6 -23.9	22146	16 14.6 -23 56 5.1		
15 41.7 -25.0	21396	15 42.1 -24 55 7.8		
15 47.3 -25.1	21521	15 47.6 -25 2 5.5		
15 48.9 -24.9	21546	15 48.7 -24 57 6.7		
15 51.4 -25.0	Not in A.G.L.			
15 55.6 -24.9	21708	15 55.4 -24 55 8.5		-24 12403 15 49.8 -24 54 8.5
15 57.9 -25.1	Not in A.G.L.			
16 2.0 -25.0				-24 12506 15 56.8 -24 56 8.6
16 4.3 -25.3				-24 12560 15 0.8 -24 47 8.4
				-25

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Plate 3904

V H₂ Cl. Rem. ^{Nr} Kline Inst.

5.5 18.8	\overline{H}	588	K-H ₂	1
5.3 19.1	A		N	1
5.1 19.3	A		N	1
5.7 19.3	A		N	1
6.1 7.3	A		N	1
6.6 7.8	B	589	N	3
7.0 10.0	A		N	1
6.8 13.3	K		K-H	3
6.7 15.0	A		N	1
6.9 17.1	H ₂		K-H ₂	1
6.1 18.4	A		N	3
7.0 19.3	A		N	1
6.8 20.5	A		N	1
6.3 21.3	A		N	3
7.1 6.1	A		N	1
7.2 6.4	A		N	2
7.7 7.6	H ₂		K-H ₂	1
7.6 9.9	A		N	3
7.2 11.3	B	590	N	5
7.4 13.0	H ₂ a		N	1
7.6 15.3	H ₂ a		N	2
8.0 16.1	A		N	1
8.2 8.3	\overline{H}	591	K-H ₂	2
8.6 9.9	\overline{H}	592	K-H ₂	2
8.3 11.5	\overline{H}	593	K-H ₂	1
9.0 11.6	H ₂		K-H ₂	2
8.3 13.3	A		N	1
8.4 13.4	\overline{H}	594	K-H	2

R.A. ¹⁹¹⁰ Dec. ²⁰ 96	R.A. ¹⁹⁰⁰ Dec. ¹⁹⁰⁰ Magn. ¹⁹⁰⁰ C.D.M. R.A. ¹⁹⁰⁰ Dec. ¹⁹⁰⁰ Magn.
16 9.7 - 24.9	
10.3 - 24.8	
16 10.0 - 24.9	
5	
16 10.8 - 24.8	
10.7	
16 10.6 - 25.0	
15 44.0 - 25.3	
15 45.0 - 25.5 21469	15 45.0 - 25 27 5.3
15 49.8 - 25.7 21579	15 50.0 - 25 38 8.5
15 57.2 - 25.7 21748	15 57.3 - 25 35 5.7
16 1.3 - 25.6	
16 5.7 - 25.6 21945	16 5.8 - 25 37 8
16 8.8 - 25.3 22004	16 8.8 - 25 13 6.4
16 11.0 - 25.7	-25 11 46 47 6 9.2 - 25 33 8.2
16 13.6 - 25.6 22116	16 13.3 - 25 31 8.8
16 15.3 - 25.4 22158	16 15.1 - 25 21 3.4
15 41.3 - 25.7 21384	15 41.4 - 25 34 8.5
15 41.8 - 25.8 21394	15 41.9 - 25 41 7.3
15 45.0 - 26.0 21455	15 44.6 - 25 59 7.3
15 49.2 - 25.9 21567	15 49.5 - 25 59 6.3
15 52.6 - 25.8 21638	15 52.8 - 25 49 3.4
15 56.6 - 25.9 21730	15 56.7 - 25 58 8
16 2.0 - 26.1 21860	16 2.0 - 26 3 6.0
16 4.0 - 26.2	-26 11 23 6 16 2.2 - 26 6 8.2
15 46.6 - 26.3 21490	15 46.0 - 26 14 7.8
15 49.6 - 26.5 21570	15 49.6 - 26 27 7.5
15 53.3 - 26.4	
15 53.5 - 26.8 21654	15 53.4 - 26 43 7.5
15 57.2 - 26.5 21744	15 57.2 - 26 26 7.5
15 57.4 - 26.6	-26 11 17 1 15 55.7 - 26 22 7.3

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Plate 3904

V 16 Cl. Rem. ^{No.} Hline Int.

19.0	14.1	E	-	K-H	1
19.0	14.3	F	595	K-H	1
8.9	16.3	A		N	3
8.5	23.3	F	596	K-H	1
9.4	8.6	A		K-H	1
9.8	9.4	B	597	N	3
9.2	12.4	F	598	K-H	2
9.3	15.0	A		N	1
9.3	16.9	B	599	N	3
9.9	17.7	F	600	K-H	1
9.5	18.6	F	601	K-H	1
9.6	22.7	A		N	2
9.8	23.9	A		N	1
10.4	6.8	A		N	1
9.4	6.2	H		N	1
10.3	10.7	A		K-H	2
10.5	15.0	A		K-H	1
10.4	15.3	H		N	1
10.1	17.0	F	602	K-H	1
11.3	5.8	A		K-0.5H	3
11.8	10.0	F	603	K-H	1
10.9	17.2	B	604	N	4
11.8	17.2	A		N	3
11.3	17.4	E		K-H	1
11.5	17.9	A		N	1
11.1	19.8	A		N	2
11.7	20.2	F	605	K-H	1
12.7	6.8	F	606	K-H	1

R.A. ¹⁹⁰⁰ Dec.	^{no.} A.G.B.	R.A. ¹⁹⁰⁰ Dec.	^{no.} Magn. C.D.M.	R.A. ¹⁹⁰⁰ Dec.	^{no.} Magn.
15 58.9 - 26.8				26 11193 15 57.4 - 26 36 7.7	
15 59.5 - 26.8	21799	15 59.4 - 26 41	8.2	26 11204 15 57.9 - 26 37 8.2	
16 4.3 - 26.7	21901	16 4.1 - 26 39	6.9		
16 20.1 - 26.4	22256	16 19.7 - 26 21	8.2		
15 46.5 - 27.0					
15 48.5 - 27.1	21540	15 48.4 - 27 3	6.9		
15 55.1 - 26.9	21695	15 54.9 - 26 55	8.5		
16 1.1 - 27.0				26 11215 15 59.6 - 26 45 8.5	
16 5.4 - 26.9	21934	16 5.4 - 26 53	7.5		
16 7.5 - 27.2				27 10856 16 5.8 - 27 5 8.2	
16 9.6 - 27.0	22011	16 9.2 - 26 57	7.5		
16 18.3 - 26.9	22223	16 18.3 - 26 55	7.5		
16 21.6 - 27.0	22272	16 21.0 - 26 58	8.5		
15 42.6 - 27.3	21410	15 42.6 - 27 17	9		
15 41.1 - 26.8					
15 51.5 - 27.4	21602	15 51.1 - 27 21	7.8		
16 0.7 - 27.5	21834	16 0.8 - 27 27	8.5		
16 1.8 - 27.5	21858	16 1.9 - 27 28	7.5		
16 5.9 - 27.3	21940	16 5.7 - 27 18	8		
	21941	16 5.7 - 27 18	8		
15 40.1 - 27.8	21355	15 40.1 - 27 45	6.7		
15 50.4 - 28.0	21592	15 50.7 - 28		27 10651 15 48.1 - 27 59 8.1	
16 6.2 - 27.7	21949	16 6.1 - 27 40	5.3		
16 6.1 - 28.2	21948	16 6.0 - 28 9	6.1		
16 7.0 - 27.9	21961	16 6.6 - 27 52	8.5		
16 8.0 - 28.0	21977	16 7.7 - 28 0	8.5		
16 12.0 - 27.9	22077	16 12.0 - 27 48	7.2		
16 13.0 - 28.1	22099	16 12.9 - 28 3	7.8		
15 42.3 - 28.6	21402	15 42.2 - 28 29	7.8		

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V. Hb. Ch. Rims. ^{Nr.} Kline Int.

12.5 7.6 A	N	1
12.8 13.9 H	N	1
12.2 19.8 A	K=0.1H	3
13.3 10.6 B 609	N	4
13.2 13.1 J	K=H	2
13.7 16.6 G	K=H	3
13.1 17.7 J 608	K=H	1
14.0 23.0 A	N	2
13.8 23.8 A	N	2
14.1 7.1 J 609	K=H	1
14.1 8.0 A	K=H	1
14.8 8.6 J	K=H	2
14.7 8.9 E	K=H	1
14.9 10.8 J 610	K=H	1
14.2 11.8 E	K=H	2
15.0 11.8 A	K=0.5H	2
15.0 12.0 A	N	1
14.3 17.5 A	K=H	1
14.5 19.1 A	N	2
14.1 20.7 A	N	2
14.5 21.6 G	K=H	3
15.2 5.5 H	K=H	2
15.5 7.3 A	N	1
15.3 8.1 A	N	1
15.9 9.6 E	K=H	1
16.0 15.1 H	N	1
16.0 15.2 A	N	1
15.5 15.7 E	K=H	1

R.A. ¹⁹⁰⁰ Dec. ¹⁹⁰⁰ A.G.B.	R.A. ¹⁹⁰⁰ Dec. ¹⁹⁰⁰ Magn
15 44.3 -28.5 21443	15 44.0 -28 24 8.8
15 58.2 -28.7 21778	15 58.3 -28 39 8
16 12.1 -28.4 22078	16 12.1 -28 22 5.5
15 50.6 -28.9 21592	15 50.7 -28 55 4.5
15 56.2 -28.9 21725	15 56.4 -28 51 6.7
16 4.9 -29.2 21914	16 4.9 -29 9 5.9
16 7.6 -28.9 21970	16 7.4 -28 48 7.5
16 19.6 -29.3 22238	16 19.4 -29 11 7.5
16 21.2 -29.2 22274	16 21.3 -29 4 7.5
15 42.6 -29.4 21412	15 42.7 -29 11 7.8
15 44.8 -29.4 21461	15 44.7 -29 12 8.8
15 46.0 -29.6 21489	15 46.0 -29 35 6.8
15 47.0 -29.6 21501	15 46.7 -29 33 8.5
15 51.3 -29.8	Not in A.G.B.
15 53.6 -29.3 21658	15 53.4 -29 20 7.5
15 53.7 -29.9	Not in A.G.B.
15 54.0 -29.8 21657	15 53.4 -29 47 7.3
16 7.2 -29.5	Not in A.G.B.
16 11.0 -29.6 22044	16 10.7 -29 30 8
16 14.3 -29.4 22137	16 14.4 -29 17 7.8
16 18.2 -29.5 22221	16 18.4 -29 28 6.8
16 18.2 -29.5 22222	16 18.4 -29 29 6.2
15 39.5 -29.9 21343	15 39.6 -29 44 7.3
15 43.0 -30.1	Not in A.G.B.
15 45.1 -30.0	
15 48.0 -30.2 21532	15 48.2 -30 8 8
16 1.3 -30.3 21846	16 1.4 -30 17 8
16 1.9 -30.3	Not in A.G.B.
16 3.5 -30.0	
	-29 12 18 9 15 51.9 -29 44 7.3
	-29 12 37 3 16 5.4 -29 19 8.3
	-30 12 8 4 8 15 59.8 -30 13 7.9
	-30 12 8 5 2 15 0.0 -30 17 8.0
	-29 12 31 4 16 1.2 -29 56 7.8

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V Ho Ch. Am. Kline Int.

16.0	16.3	A		N	1
15.3	17.3	F	611	K=H	1
15.4	17.8	F	612	K=H	1
16.0	20.0	A		N	1
15.9	20.1	A		N	1
15.3	21.1	A		N	1
15.5	22.3	E		K=H	1
15.0	23.0	E		K=H	1
16.5	35.5	A		N	1
16.9	6.2	A		N	1
16.5	9.1	A		K=0.5H	2
17.0	10.1	H		K=H	2
16.0	11.7	E		K=H	1
16.2	12.4	E		K=H	1
16.8	13.2	F	613	K=H	1
17.0	15.9	A		K=H	2
16.5	16.7	A		N	1
16.2	18.7	F	614	K=H	2
16.8	20.2	F	615	K=H	3
17.2	11.9	H		K=H	2
17.8	14.2	A		N	1
17.8	14.3	A		K=0.3H	3
17.4	21.5	A		N	1
17.9	22.6	A		N	2
17.7	23.0	F	616	K=H	1
18.1	8.3	A		K=H	1
18.5	10.4	F	617	K=H	3
19.0	11.1	A		N	1

R.A. ¹⁹⁰⁰ Dec.	A.G.B. ¹⁹⁰⁰	R.A. ¹⁹⁰⁰ Dec.	Magn. C.D.M.	R.A. ¹⁹⁰⁰ Dec.	Magn.
16 4.2 - 30.4	Not in A.G.B.			-30 12 902 16 2.6 - 30 12 8.3	
16 6.6 - 30.0	"				
16 8.0 - 30.0	21973	16 7.6 - 29 57	7.8		
16 12.2 - 30.4	Not in A.G.B.				
16 12.7 - 30.3	"				
16 14.6 - 30.0	"				
16 17.7 - 30.0	"				
16 19.5 - 29.8	22241	16 19.6 - 29 42	7.8		
15 38.4 - 30.6	21326	15 38.5 - 30 22	7.6		
15 40.5 - 30.7	Not in A.G.B.			-30 12 530 15 38.9 - 30 30 8.5	
15 47.3 - 30.6	21506	15 47.0 - 30 29	7.5		
15 49.2 - 30.9	21557	15 49.3 - 30 48	6.7		
15 53.0 - 30.2	21629	15 52.6 - 30 13	9		
15 54.9 - 30.3	Not in A.G.B.				
15 56.3 - 30.8	21727	15 56.6 - 30 39	7.5		
16 3.4 - 30.9	21877	16 3.2 - 30 47	7.2		
16 5.4 - 31.6	Not in A.G.B.				
16 9.6 - 30.5	22022	16 9.8 - 30 22	8.2		
16 13.2 - 30.7	22106	16 13.2 - 30 40	7.2		
15 53.6 - 30.9	21664	15 53.6 - 30 52	6.9		
15 58.5 - 31.2	Not in A.G.B.			-31 12 533 15 57.3 - 31 7 8.5	
15 59.1 - 31.2	21788	15 59.1 - 31 11	6.8	-31 12 535 15 57.5 - 31 7 6.8	
16 16.1 - 31.1	22173	16 16.0 - 31 1	8.5		
16 18.6 - 31.3	22229	16 18.7 - 31 12	7.5		
16 19.8 - 31.3	Not in A.G.B.				
15 45.1 - 31.4	"			-31 12 337 15 43.4 - 31 7 8.3	
15 49.9 - 31.5	21576	15 50.0 - 31 29	6.7		
15 51.4 - 31.8	Not in A.G.B.			-31 { 12423 15 50.0 - 31 36 9.0 12424 15 50.0 - 31 36 9.0	

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V Ho Cl. Riv. Kline Int

18.4 11.2 a	N	3
19.0 11.5 a	N	1
18.6 11.9 a	K-H	2
18.6 12.5 H	K-H	2
18.8 13.6 F 618	H-H	3
19.0 15.8 F 619	K-H	1
18.6 16.6 a	K-H	1
18.2 17.9 G	K-H	3
18.3 19.6 a	N	1
18.6 22.9 a	N	1
19.2 12.2 a	N	1
19.4 16.9 Mar	N	1
19.2 17.6 G	K-H	1
19.3 22.5 a	K-H	1
20.7 7.7 a	N	2
20.3 8.5 G	K-H	2
20.9 11.8 a	N	3
20.3 12.5 F 620	K-H	1
20.6 14.5 H	K-H	1
20.9 13.6 F 621	K-H	2
20.1 15.9 G	K-H	3
20.9 18.0 F	K-H	3
21.0 19.6 A	K-H	1
21.3 10.4 a	N	1
21.6 12.0 a	N	3
21.3 13.9 a	K-H	3
21.2 16.0 a	N	1
21.9 16.0 a	N	3

¹⁹⁰⁰ R.A.	¹⁹⁰⁰ Dec.	¹⁹⁰⁰ A.G.B.	¹⁹⁰⁰ R.A.	¹⁹⁰⁰ Dec.	¹⁹⁰⁰ Magn
15 51.7	-31.5	21617	15 51.7	-31 26	7
15 52.4	-31.9	21628	15 52.6	-31 45	8.5
15 53.6	-31.6	21662	15 53.6	-31 33	7.5
15 55.0	-31.6	21696	15 55.0	-31 36	7.0
15 57.3	-31.7	21746	15 57.3	-31 43	6.6
16 3.1	-31.9	21870	16 2.9	-31 49	7.8
		21717	16 4.9	-31 31	7.8
16 5.0	-31.7	21922	16 5.2	-31 31	8.2
16 8.0	-31.4	21978	16 7.9	-31 24	7.1
16 12.0	-31.4	Not in A.G.B.			
16 19.4	-31.6	22237	16 19.3	-31 29	7.5
15 54.1	-31.9	Not in A.G.B.			
16 5.5	-31.9	"	"	"	
16 7.0	-31.9	"	"	"	
16 19.2	-32.1	"	"	"	
15 43.3	-32.6	21432	15 43.4	-32 30	7.2
15 45.4	-32.5	21473	15 45.3	-32 23	7.2
15 53.2	-32.7	21641	15 53.0	-32 43	7.0
15 55.0	-32.4	21689	15 54.7	-32 24	8.2
15 59.1	-32.6	21794	15 59.4	-32 35	7.5
15 57.2	-32.8	21751	15 57.5	-32 47	7.5
		21752	15 57.5	-32 47	7.8
15 3.3	-32.4	21875	16 3.2	-32 23	7
		21876	16 3.2	-32 23	7.2
16 8.0	-32.7	21983	16 8.0	-32 45	6.3
16 12.0	-32.9	Not in A.G.B.			
15 49.9	-33.0	"	"	"	
15 53.4	-33.1	21661	15 53.6	-33 6	7
15 57.6	-32.9	21765	15 57.9	-32 56	6.6
16 0.9	-32.9	21832	16 0.8	-32 52	8
16 3.2	-33.3	21887	16 3.5	-33 17	6.0

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V-Ho 6 L. Run. Kline Int

21.6	20.9	F	622	K=H	1
21.5	12.0	A		N	3
22.2	8.3	A		N	4
22.8	10.8	A		N	4
22.4	13.0	A		N	1
22.9	14.4	A		K=H	1
22.3	15.0	A		N	1
23.0	15.4	A		N	1

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4.0	6.7	A		H	1
3.5	8.3	M		K=H	5
3.8	9.2	F		K=H	2
3.8	10.9	A		N	1
4.0	8.5	A		H	1
4.9	10.7	H		H	1
4.9	11.7	A		H	1
4.7	12.5	A		H	1
4.2	14.8	G		K=H	2
3.9	15.6	A		H	2
4.1	17.5	A		H	2
4.0	17.8	A		H	1
4.7	18.1	A		H	1
4.3	18.3	A		K=H	2
4.5	18.5	F	623	K=H	1
4.7	20.6	A		N	1
4.9	21.3	F	624	K=H	1

R.A. 1900.	Dec.	^{no.} A.G.B.	R.A. 1900.	Dec.	^{no.} Magn. C.D.M.	R.A.	Dec.	Magn.
16 14.9	-33.1	22153	16 15.0	-33 4	7.2			
15 53.4	-33.1	21661	15 53.6	-33 6	7			
15 44.3	-33.4	21454	15 44.6	-33 20	4.2			
15 50.6	-33.7	21586	15 50.5	-33 40	5.6			
		21587	15 50.5	-33 40	6.2			
15 56.0	-33.4	Not in A.G.B.			-33 10881	15 57.4	-33 18	8.3
15 59.0	-33.8	" " "			-33 10915	15 57.5	-33 39	7.8
16 1.0	-33.5	21833	16 0.9	-33 26	8			
16 1.8	-33.8	Not in A.G.B.			-33 { 10942	16 0.2	-33 40	9.2
					-33 { 10943	16 0.3	-33 42	8.5
16 19.7	-26.5	22256	16 19.7	-26 21	8.2			
16 23.1	-26.3	22314	16 23.2	-26 13	1.4			
16 25.3	-26.4	22353	16 25.2	-26 19	6.5			
16 29.2	-26.4	Not in A.G.B.			-26 11412	16 27.6	-26 12.4	8.4 ^{g.c.}
16 23.8	-26.5	" " "			-26 11363	16 22.3	-26 18.8	8.5 ^{g.c.}
16 28.9	-27.0	22432	16 28.5	-26 54	8.5			
16 31.0	-27.0	Not in A.G.B.			-26 11427	16 29.2	-26 49.1	8.8
16 32.7	-26.9	" " "			-26 11439	16 30.9	-26 44.4	8.3 ^{g.c.}
16 37.5	-26.6	22617	16 37.6	-26 37	6.9			
16 39.7	-26.5	22653	16 39.6	-26 28	7.2			
16 44.0	-26.6	Not in A.G.B.			-26 11585	16 42.5	-26 31.4	7.3 ^{g.c.}
16 44.5	-26.5	" " "			-26 11596	16 43.0	-26 24.2	8.4 ^{g.c.}
16 45.4	-27.0	22767	16 45.2	-26 57	9			
16 45.6	-26.6	22784	16 45.6	-26 42	8.2			
		22791	16 46.0	-26 45	9.2			
16 46.0	-26.7	22793	16 46.1	-26 51	8			
16 51.0	-26.7	Not in A.G.B.			-26 11696	16 49.2	-26 45.6	8.7
16 52.5	-26.9	22972	16 52.3	-26 57	8.5			

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V Hb. Rev. Kline Int.

4.7 22.7 A	H	1	16
4.7 23.9 A	H	1	16
5.2 16.1 A	H	2	16
5.2 7.4 E	K=H	1	16
5.2 12.9 A	H	1	16
5.5 15.8 A	K=0.3H	3	16
5.5 15.2 F 625	K=H	1	16
5.6 16.0 A	K=H	1	16
5.8 19.4 A	H	2	16
5.9 21.0 A	K=0.5H	2	16
5.1 21.7 A	N	1	16
5.2 22.6 A	K=H	2	16
5.2 23.7 F 626	K=H	1	16
6.5 8.8 A	H	2	16
6.9 11.3 B 627	H	5	16
6.6 12.7 E	K=H	1	16
6.6 13.3 E	K=H	1	16
6.1 13.8 F	K=H	2	16
6.3 20.2 A	H	1	16
6.8 20.2 E	K=H	1	16
6.6 22.8 A	H	2	16
7.8 13.8 A	K=H	1	16
7.2 14.6 F 628	K=H	1	16
8.0 14.7 F 629	K=H	1	16
7.5 15.2 A	K=0.3H	3	16
7.2 16.1 A	N	1	16
7.3 16.5 F 630	K=H	1	16
7.6 21.3 F 631	K=H	1	16

R.A. 1900	Dec.	No.	R.A. 1900	Dec.	Magn.	No.	R.A. 1900	Dec.	Magn.
16 55.8 - 26.8	23040		16 55.5 - 26 48		8.5				
16 58.3 - 26.7	23095		16 58.1 - 26 47		8				
16 18.0 - 27.1	22223		16 18.3 - 26 55		7.5				
16 20.9 - 27.1	22272		16 21.0 - 26 58		8.5				
16 33.5 - 27.3		Not in A.G.B.				-27 11054	16 31.8 - 27 23		8.13c.
16 38.0 - 27.3	22624		16 38.0 - 27 16		6.8				
16 38.3 - 27.3	22633		16 38.6 - 27 16		8.5				
16 40.4 - 27.3		Not in A.G.B.				-27 11140	16 38.8 - 27 15.3		8.13c.
16 48.3 - 27.4						-27 11258	16 46.7 - 27 21.8		8.3
16 52.0 - 27.5	22954		16 51.7 - 27 27		8				
16 53.4 - 27.1	22955		16 51.7 - 27 27		9.5				
16 55.4 - 27.1	22992		16 53.2 - 27 1		8				
16 58.0 - 27.1	23028		16 55.1 - 27 6		8				
16 58.0 - 27.1	23089		16 57.9 - 27 4		8				
16 24.0 - 27.9		Not in A.G.B.				-27 10967	16 22.5 - 27 38.0		7.2006.
16 29.5 - 28.1	22451		16 29.7 - 28 0		3.2				
16 33.0 - 27.9		Not in A.G.B.				-27 11050	16 31.3 - 27 42.6		8.03c.
16 34.1 - 28.0		" " "				-27 11061	16 32.4 - 27 44.1		8.23c.
16 35.5 - 27.7	22571		16 35.5 - 27 37		7.0				
16 50.7 - 27.7		Not in A.G.B.				-27 11285	16 48.4 - 27 35.2		9.3
16 50.6 - 28.0		" " "				-27 11286	16 48.5 - 27 54.2		8.33c.
16 52.4 - 28.0		" " "				-27 11391	16 54.1 - 27 45.2		7.44c.
16 35.5 - 28.5		" " "				-28 12293	16 33.8 - 28 19.8		8.53c.
16 37.6 - 28.2	22612		16 37.2 - 28 7		8.2				
16 37.8 - 28.6		Not in A.G.B.				-28 12336	16 36.1 - 28 25.6		8.53c.
16 38.9 - 28.4	22634		16 38.8 - 28 19		6.4				
16 40.8 - 28.3		Not in A.G.B.				-28 12394	16 39.0 - 28 13		9.5
16 41.9 - 28.4		" " "				-28 12413	16 40.1 - 28 8.8		8.03c.
16 52.5 - 28.3		" " "				-28 12660	16 51.0 - 28 15.5		8.4

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V Hb Cl. Rinn. ^{Nr.} Kline Lark

7.9	22.1 A	N	2	16
7.2	23.7 A	N	2	16
7.5	23.8 G	K=H	2	16
8.7	9.8 A	N	2	16
8.4	12.5 A	N	1	16
8.4	13.2 H	N	2	16
8.7	14.1 F	632 K=H	1	16
8.7	15.5 A	N	1	16
8.2	15.5 A	K=4H	2	16
8.9	15.6 H	K=H	1	16
8.3	16.0 H	K=H	1	16
8.4	16.5 E	K=H	2	16
8.9	16.9 A	N	1	16
8.9	17.1 A	N	2	16
8.6	17.9 A	N	1	16
8.5	19.2 A	K=H	2	16
8.6	20.0 A	N	1	16
8.7	22.9 A	N	1	16
8.5	24.5 A	N	2	16
10.0	6.5 F	633 K=H	3	16
9.5	6.9 A	N	2	16
9.6	7.6 A	N	1	16
9.2	7.7 A	N	3	16
9.6	9.1 A	N	2	16
9.6	11.2 A	N	1	16
9.7	11.7 A	N	1	16
9.9	12.4 E	K=H	1	16
9.4	14.5 F	634 K=H	1	16

^{no} R.A. Dec. A.G.B.	^{no} R.A. Dec. Magn. C.W.M. R.A. Dec. Magn.
16 54.3 - 28.5 23011	16 54.2 - 28 29 8
16 57.6 - 28.2 23088	16 57.7 - 28 7 8
16 58.0 - 28.5 23097	16 58.2 - 28 26 6.7
16 26.1 - 29.0	Not in A.G.B.
16 32.4 - 28.9	"
16 34.0 - 28.9	
16 36.0 - 29.0 22586	16 35.9 - 28 56 7.7
16 39.2 - 29.0 22652	16 39.7 - 29 1 7.2
16 39.2 - 28.7 22647	16 39.3 - 28 39 7.5
16 40.0 - 29.1	Not in A.G.B.
16 40.7 - 28.8	
16 41.9 - 28.9 22689	16 41.7 - 28 47 8.2
16 42.8 - 29.1	Not in A.G.B.
16 43.3 - 29.0 22719	16 43.0 - 28 57 8
16 45.4 - 28.9	Not in A.G.B.
16 48.0 - 28.8	
16 49.4 - 28.9	
16 56.1 - 28.9 23055	16 56.2 - 28 50 8.8
16 59.6 - 28.9 23131	16 59.7 - 28 44 7.4
16 18.2 - 29.5 22222	16 18.4 - 29 28 6.8
16 19.5 - 29.2 22238	16 19.4 - 29 11 7.5
16 21.1 - 29.3	Not in A.G.B.
16 21.3 - 29.1 22274	16 21.3 - 29 4 7.5
16 24.4 - 29.5	Not in A.G.B.
16 29.2 - 29.5	
16 30.4 - 29.5	
16 32.0 - 29.6	
16 36.0 - 29.4	
	-28 12178 16 24.6 - 28 45.9 7.6 ^{0.46}
	-28 12260 16 30.7 - 28 40.3 8.6 ^{3.0}
	-28 12277 16 32.4 - 28 41.0 7.2 ^{0.92}
	-28 12377 16 38.1 - 28 58.5 8.0 ^{0.46}
	-28 12389 16 38.9 - 28 40.7 8.4 ^{3.0}
	-28 12431 16 40.9 - 28 55.6 8.9
	-28 12479 16 43.3 - 28 48.7 8.6 ^{0.46}
	-28 12548 16 46.1 - 28 44.5 8.1 ^{3.0}
	-28 12597 16 48.0 - 28 47.8 8.4 ^{3.0}
	-29 12548 16 19.5 - 29 10.8 8.9 ^{3.0}
	-29 12591 16 22.9 - 29 12.3 7.4 ^{0.46}
	-29 12652 16 27.6 - 29 16.3 7.8 ^{3.0}
	-29 12678 16 28.8 - 29 17.4 8.4 ^{3.0}
	-29 12698 16 30.0 - 29 25.2 8.6 ^{3.0}
	-29 12770 16 35.1 - 29 13.0 8.7 ^{3.0}

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Plate 3449

V 14 Vol. Rm. Clinic Int.

9.6	14.9	A	N	2
9.1	15.0	A	N	1
9.7	16.1	E	K=H	1
9.4	18.1	E	K=H	1
9.1	19.9	E	K=H	1
9.8	20.8	A	N	1
9.4	21.2	A	635 N	1
9.2	22.1	A	N	1
9.3	23.0	A	N	1
9.9	22.3	Ma.	N	1
10.0	22.4	A	N	1
10.5	7.0	F	636 K=H	1
10.9	8.8	A	N	1
10.6	9.3	E	K=H	1
10.2	10.6	F	637 K=H	1
10.3	12.6	F	638 K=H	1
10.3	12.9	A	K=H	2
11.0	13.6	A	N	1
10.4	17.0	A	K=H	1
11.0	17.6	A	K=H	1
10.6	18.0	A	N	2
10.2	19.6	A	K=24H	2
10.0	20.9	E	K=H	1
10.2	20.9	A	N	1
10.9	21.2	A	N	1
11.0	21.9	A	N	1
10.9	23.3	A	N	1
10.8	23.5	F	639 K=H	1

R.A. ¹⁹⁰⁰ Dec.	A.G.B. ^{no.}	R.A. ¹⁹⁰⁰ Dec.	Magn.	C.D.M. ^{no.}	R.A. Dec.	Magn.
16 37.7 - 29.5	Not in A.G.B.			-29 12788 16 36.0 - 29 20.2 8.2	ca.	
16 37.8 - 29.3	"			-28 12413 16 40.1 - 28 8.8 8.0	z.c.	
16 41.1 - 29.5	"			-29 12836 16 39.2 - 29 20.9 8.0	z.c.	
16 45.6 - 29.4	"			-29 12927 16 43.7 - 29 11.8 8.0	z.c.	
16 49.7 - 29.2	22888 16 49.3 - 29 7 8					
16 52.0 - 29.6	Not in A.G.B.			-29 13046 16 49.8 - 29 24.4 9.1	z.c.	
16 52.4 - 29.4	"			-29 13057 16 50.6 - 29 12.7 8.3	z.c.	
16 54.2 - 29.2	"			-29 13101 16 52.8 - 29 37.8 8.4	z.c.	
16 56.3 - 29.3	23057 16 59.3 - 29 10 9.2					
16 55.2 - 29.5	23017 16 54.7 - 29 31 7.5					
16 55.6 - 29.6	Not in A.G.B.			-29 13111 16 53.3 - 29 29.1 7.7	z.c.	
16 19.5 - 29.8	22241 16 19.6 - 29 42 7.8					
16 24.0 - 29.9	Not in A.G.B.			-29 12575 16 22.0 - 29 47.3 8.5	z.c.	
16 25.2 - 29.8	"			-29 12594 16 23.3 - 29 43.7 8.5	z.c.	
16 28.0 - 29.8	"			-29 12638 16 26.3 - 29 34.2 8.5	z.c.	
16 32.2 - 29.8	22507 16 32.5 - 29 41 9					
16 33.1 - 29.8	22516 16 33.0 - 29 43 7.5					
16 35.4 - 30.0	Not in A.G.B.			-29 11728 16 33.0 - 29 57.3 8.7	z.c.	
16 43.2 - 29.9	"			-29 12874 16 41.1 - 29 48.6 8.5	z.c.	
16 44.8 - 30.5	"			-30 13517 16 42.6 - 30 16.8 8.4	z.c.	
16 45.9 - 30.4	"			-29 12920 16 43.4 - 29 50.9 8.0	00	
16 49.3 - 30.0	"			-29 12993 16 47.1 - 29 38.1 8.0	z.c.	
16 52.1 - 29.9	"			8 meas.		
16 52.2 - 30.1	"			?		
16 52.9 - 30.4	"			-29 13060 16 50.7 - 29 55.2 8.4	z.c.	
16 54.9 - 30.5	"			-30 13687 16 52.4 - 30 3.2 8.1	z.c.	
16 57.9 - 30.5	"			-29 13153 16 55.5 - 29 57.8 8.7	z.c.	
16 58.3 - 30.4	"			-29 13162 16 56.0 - 29 54.2 8.4	z.c.	

ms. & put in frame

November 25th, 1892

Plate 3449

V. H. C. C. ^{NT} Kline Sub

10.7	24.0	A	N	2
11.1	6.3	F	640	K=H 1
11.6	7.1	E	K=H	1
11.1	11.2	A	N	1
11.7	11.7	A	N	1
11.4	12.9	G	K=H	2
12.0	13.5	F	641	K=H 1
11.5	14.1	E	K=H	1
11.3	14.6	E	K=H	1
12.0	15.4	G	K=H	2
11.2	16.7	A	N	2
12.0	17.1	A	N	1
11.8	17.9	H	K=H	1
11.9	18.6	E	K=H	1
11.3	18.7	A	K=0.3H	3
11.3	19.0	A	K=H	2
12.0	19.2	A	N	1
11.6	19.4	A	K=0.5H	3
11.8	19.8	A	N	1
11.6	21.9	A	K=H	1
12.3	6.8	H	N	1
12.8	8.0	A	N	1
12.3	10.1	A	K=H	1
12.3	8.6	A	N	1
13.0	10.5	A	N	2
13.0	10.7	A	N	2
13.7	11.7	F	642	K=H 1
12.9	14.7	A	K=H	2

R.A. ¹⁹⁰⁰ Dec. ^{no.} A.B. ¹⁹⁰⁰ R.A. ¹⁹⁰⁰ Dec. ^{no.} Magn. C.D.M. R.A. ¹⁹⁰⁰ Dec. ^{no.} Magn.					
17 0.0 -30.3				-29 13176 16 57.2 -29 50.6 8.1 <i>ze</i>	
16 17.8 -30.0				-29 12508 16 16.3 -29 52.1 8.2 <i>ze</i>	
16 19.7 -30.4				-30 13134 16 18.0 -30 9.3 8.3 <i>ze</i>	
16 29.5 -30.1				-30 13268 16 27.6 -30 0.3 8.5 <i>ze</i>	
16 30.4 -30.4				-30 13285 16 28.7 -30 19.5 8.4	
16 33.4 -30.3 225 22	16 33.0 -30 16	7.8			
16 34.9 -30.6				-30 13359 16 32.8 -30 35.2 8.0 <i>ze</i>	
16 36.2 -30.4 225 84	16 35.8 -30 20	7.5			
16 37.0 -30.3				-30 13396 16 35.2 -30 9.4 8.5 <i>ze</i>	
16 39.0 -30.6 226 37	16 39.0 -30 37	7.2			
16 41.9 -30.3 227 01	16 42.1 -30 11	8.5			
16 42.9 -30.7				-30 13492 16 41.2 -30 33.3 8.6	
16 45.2 -30.9				-30 13527 16 43.2 -30 26.6 8.1 <i>ze</i>	
16 47.0 -30.9				-30 13554 16 44.8 -30 28.5 8.7 <i>ze</i>	
16 47.6 -30.7 228 40	16 47.7 -30 36	7.5			
16 48.0 -30.6 228 52	16 48.1 -30 34	7.5			
16 48.3 -31.0				-30 13581 16 46.1 -30 33.1 8.6 <i>ze</i>	
16 49.0 -30.8 228 63	16 48.4 -30 49	7.2			
16 49.8 -30.9 229 07	16 49.8 -30 56	8.8			
16 54.6 -30.8				-30 13685 16 52.3 -30 17.3 8.9 <i>ze</i>	
16 19.0 -30.7				-30 13125 16 17.3 -30 30.7 8.8 <i>ze</i>	
16 22.0 -30.9				-30 13167 16 20.1 -30 44.6 8.9 <i>ze</i>	
16 26.8 -30.7				-30 13232 16 24.9 -30 36.7 8.3 <i>ze</i>	
16 29.5 -30.7				-30 13185 16 21.5 -30 31.4 8.9	
16 27.6 -31.0				-31 12991 16 25.7 -31 1.2 8.1 <i>ze</i>	
16 28.0 -31.0				-31 13000 16 26.2 -31 0.8 8.1 <i>ze</i>	
16 -					
16 37.1 -31.1 226 09	16 37.2 -31 2	7.4			

Most part on frame

Plate 3449

12.8 16.7 A	N	3	16
12.9 17.7 A	N	1	16
13.0 19.4 E	K=H	1	16
12.4 19.4 E	K=H	2	16
13.0 19.8 F 643	K=H	1	16
13.0 20.1 H	K=H	1	16
12.5 20.2 A	N	1	16
12.2 21.1 A	K=H	1	16
12.3 21.3 A	N	1	16
12.9 21.4 A	N	2	16
12.1 22.4 A	N	1	16
12.1 22.5 A	N	2	16
12.7 23.0 A	N	1	16
13.1 5.7 F 644	K=H	2	16
13.8 6.7 A	N	1	16
13.5 6.8 A	N	3	16
14.0 7.1 F 645	K=H	1	16
13.9 9.8 A	N	1	16
13.6 10.2 H	N	1	16
13.6 11.5 A	N	1	16
13.5 11.6 A	N	1	16
13.2 11.7 A	N	1	16
13.2 12.6 A	N	1	16
13.9 13.0 A	K=H	2	16
13.7 15.1 E	K=H	1	16
13.3 16.0 A	N	2	16
13.7 17.2 F	K=H	2	16
13.7 17.7 E	K=H	1	16

R.A. 1900	Dec.	^{mag.} A.G.C.	R.A. 1900	Dec.	^{mag.} Magn.	C.D.M.	R.A.	Dec.	^{mag.} Magn.
16 42.0 - 31.0	22697		16 42.0 - 31.3	6.7					
16 44.1 - 31.0						30 13518	16 42.6 - 30	59.7	9.0
16 48.6 - 31.3	22873		16 48.7 - 31.15	6.9					
16 49.1 - 31.0						30 13598	16 46.8 - 30	46.4	7.5 del
16 49.3 - 31.3	22896		16 49.4 - 31.19	7.2					
16 49.9 - 31.2	22915		16 49.9 - 31.9	7.2					
16 50.0 - 30.9	22907		16 49.8 - 30.56	8.8					
16 52.1 - 30.8						30 13665	16 50.6 - 30	36.2	7.826
16 52.8 - 30.9						30 13671	16 51.0 - 30	41.7	9.138
16 53.0 - 31.1						30 13675	16 51.3 - 30	59.5	8.336
16 56.0 - 30.7						30 13709	16 53.6 - 30	53.6	8.836
16 56.1 - 30.7						30 13711	16 53.8 - 30	55.9	7.536
16 57.2 - 31.0						30 13730	16 54.8 - 30	53.0	8.236
16 16.0 - 31.0	22173		16 16.0 - 31.1	8.5					
16 18.3 - 31.4						31 12855	16 17.0 - 31	16.1	8.536
16 18.6 - 31.1	22229		16 18.7 - 31.12	7.5					
16 19.2 - 31.5	22237		16 19.3 - 31.29	7.5					
16 25.6 - 31.4						31 12958	16 23.9 - 31	22.5	8.836
16 26.3 - 31.4	22385		16 26.7 - 31.20	7.5					
<hr/>									
						31 13032	16 28.0 - 31	20.1	8.736
						31 13037	16 28.3 - 31	15.5	8.836
						31 13045	16 28.7 - 31	12.6	8.336
16 32.0 - 31.2						31 13083	16 30.7 - 31	4.6	8.8
16 32.9 - 31.6						31 13099	16 31.5 - 31	28.3	8.236
16 38.2 - 31.5						31 13179	16 36.7 - 31	22.1	8.7
16 40.4 - 31.3	22670		16 40.5 - 31.16	8					
16 43.4 - 31.5	22722		16 43.1 - 31.29	7.4					
16 44.2 - 31.5	22747		16 44.2 - 31.28	8					

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Plate 3449

V H₀ Cl. Rinn. Kline Int.

13.7 17.9 A N 1

14.0 18.2 A N 1

14.0 18.4 C K=H 1

13.2 19.6 A N 3

13.4 19.9 A N 2

13.5 20.0 A N 2

13.8 20.6 A N 1

13.9 21.6 A N 2

13.7 23.1 A 646 N 3

13.3 23.7 F 647 K=H 1

14.7 7.1 F 648 K=H 1

14.7 10.4 F 649 K=H 1

14.3 11.1 A K=H 1

14.6 11.8 A K=H 1

14.3 11.9 A K=H 1

14.7 12.0 A N 1

14.4 12.6 A K=H 2

14.2 12.7 F 650 K=H 1

15.0 14.4 A N 2

15.0 13.9 A N 1

14.5 14.5 A N 3

14.1 16.4 A N 1

14.1 18.7 A N 2

14.8 19.3 F 651 K=H 2

14.4 21.3 A K=H 1

14.7 22.4 A N 3

15.0 23.7 A N 2

14.5 24.2 F 652 K=H 1

R.A. 1900 Dec. ^{2nd} A.G.B.	R.A. Dec. ¹⁹⁰⁰ Magn. ^{2nd} C.D.M.	R.A. Dec. ¹⁹⁰⁰ Magn.	
16 45.0 -31.6		-31 13289 16 43.2 -31 2329.0 36	Star south Seyfer?
16 45.7 -31.8		-31 13295 16 43.9 -31 364 8.7 36	
16 46.0 -31.8		-31 13303 16 44.3 -31 370 8.3 36	
16 48.7 -31.3 22873	16 48.7 -31 15 6.9		
16 49.2 -31.3		-31 13366 16 47.8 -31 158 7.5 36	
16 49.2 -31.4		-31 13372 16 48.2 -31 193 8.3 36	
16 50.9 -31.6		-31 13399 16 49.4 -31 274 8.9	
16 53.3 -31.8		-31 13442 16 51.8 -31 304 8.0 36	
16 56.2 -31.5 23069	16 56.8 -31 28 7.3		
16 57.0 -31.2		-31 13531 16 56.8 -31 108 7.2 36	
16 19.4 -31.8 22234	16 19.2 -31 51 8		
16 27.1 -31.9 22397	16 26.9 -31 53 9		
16 29.0 -31.7	Not in A.G.B.	-31 13017 16 27.1 -31 379 8.6 36	
16 30.1 -31.9	" " "	-31 13044 16 28.7 -31 512 7.8	
16 30.0 -31.7	" " "	-31 13048 16 28.9 -31 399 8.0 36	
16 30.3 -32.0	" " "	-31 13050 16 29.1 -31 534 9.0 36	which star?
16 32.0 -31.9	" " "	-31 13052 16 29.1 -31 561 8.2 36	
16 32.3 -31.8	" " "	-31 13078 16 30.5 -31 449 8.5 36	
16 36.1 -32.2		-31 13085 16 30.8 -31 381 8.5 36	
16 35.0 -32.2 22553	16 34.2 -32 11 9	-32 11927 16 34.5 -32 3.4 8.5 36	
16 37.2 -31.9 22610	16 37.2 -31 55 6.8		
16 41.2 -31.7	Not in A.G.B.	-31 13236 16 39.6 -31 383 8.6 36	
16 46.4 -31.8 22810	16 46.7 -31 43 7.5		
16 48.1 -32.1 22856	16 48.2 -32 2 7.6		
16 50.6 -32.0	Not in A.G.B.	-31 13392 16 48.9 -31 473 8.3 36	
16 55.1 -32.0 23035	16 55.4 -31 59 5.7		
16 55.5 -32.1 23049	16 56.0 -32 6 8		
16 59.3 -31.9	Not in A.G.B.	-31 13557 16 58.0 -31 468 8.2 36	

November 27, 1892

Plate 3449

to Ho. Col. R. W. White Int.

23 11

15.2 6.5 C	K-H	1
15.9 8.4 A	N	1
15.3 8.8 A	N	1
15.1 12.5 F 653	K-H	1
16.0 14.0 A	N	2
16.0 14.1 A	N	1
15.8 14.5 A	K-H	1
15.6 15.4 A	N	1
15.4 15.5 A	N	2
15.9 17.0 A	N	1
15.3 17.4 A	K-H	1
15.9 18.0 A	N	1
15.4 17.7 F 654	K-H	2
15.1 20.3 A	K-0.2H	3
15.0 21.9 F 655	K-H	1
15.8 20.3 A	N	2
15.2 23.5 F 656	K-H	1
17.0 6.6 A	N	3
16.2 11.0 A	K-H	1
16.9 11.9 F 657	K-H	1
16.5 12.0 A	K-H	1
16.9 12.3 F 658	K-H	1
16.2 12.3 C	K-H	1
16.6 14.1 C	K-1/2H	3
16.3 16.0 A	N	2
16.9 18.7 A	N	2
16.7 20.2 A	K-H	1
16.8 20.4 J	K-H	3

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R.A. ¹⁹⁰⁰ Dec. ^{Mag.} A.G.B.	R.A. ¹⁹⁰⁰ Dec. ^{Mag.} E.D.W.	R.A. ¹⁹⁰⁰ Dec. ^{Mag.}
16 17.7 -32.0	not in A.G.B.	-31 12849 16 16.1 -31 57.9 8.0 <i>z</i> b.
16 22.5 -32.4	" " "	-32 11733 16 20.6 -32 21.9 8.5 <i>z</i> b.
16 23.3 -32.1	" " "	-32 11745 16 21.5 -32 7.9 8.7 <i>z</i> b.
16 32.4 -32.0	" " "	-32 11868 16 30.3 -32 5.0 8.5 <i>z</i> b.
16 35.4 -32.6 22569 16 35.3 -32 38 8		
16 35.5 -32.6	not in A.G.B.	-32 11916 16 33.8 -32 33.3 8.5 <i>z</i> b.
16 36.4 -32.5	" " "	-32 11931 16 34.7 -32 26.6 8.3 <i>z</i> b.
16 39.0 -32.5	" " "	-32 11984 16 37.2 -32 23.8 8.5 <i>z</i> b.
16 39.2 -32.3	" " "	-32 11989 16 37.4 -32 16.0 8.0 <i>z</i> b.
16 43.0 -32.7	" " "	-32 12048 16 41.1 -32 32.4 8.5 <i>z</i> b.
16 43.5 -32.3	" " "	-32 12061 16 41.9 -32 14.9 8.0 <i>z</i> b.
16 45.1 -32.7	" " "	-32 12084 16 42.5 -32 32.7 8.5 <i>z</i> b.
16 49.0 -32.4 22882 16 49.0 -32 21 7.0		
16 50.5 -32.3 22927 16 50.5 -32 11 7.2		
16 52.0 -32.0	not in A.G.B.	-32 12238 16 52.0 -32 0.1 8.7 <i>z</i> b.
16	Ask Luns. F.	
16 57.7 -32.3	not in A.G.B.	-32 12305 16 56.3 -32 8.3 8.5 <i>z</i> b.
16 17.4 -32.9 22199 16 17.5 -32 58 7		
16 17.4 -32.9 22200 16 17.5 -32 58 7.5		
16 28.0 -32.7	not in A.G.B.	-32 11813 16 26.5 -32 34.6 9.0 <i>z</i> b.
16 29.9 -33.1	" " "	-32 11843 16 28.6 -32 59.3 8.3 <i>z</i> b.
16 30.1 -32.9	" " "	-32 11846 16 28.8 -32 45.1 8.0 <i>z</i> b.
16 31.1 -33.1	" " "	-33 11296 16 29.5 -33 0.0 8.7 <i>z</i> b.
16 31.0 -32.8	" " "	-32 11856 16 29.5 -32 38.1 8.0 <i>z</i> b.
16 35.2 -32.9 22570 16 35.3 -32 57 6.4		
16 40.4 -32.8 22666 16 40.2 -32 46 7.5		
16 46.2 -33.1 22808 16 46.6 -33 7 7.5		
16 50.1 -33.0 22922 16 50.2 -33 0 9		
16 50.6 -33.1 22931 16 50.6 -33 6 6.0		

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Plate 3449

V. H. C. R. Kline Int.

16.4	21.0	A		K=H	1
16.3	21.3	A		K=H	1
16.7	21.8	G		K=H	1
16.3	23.0	F	659	K=H	2
16.8	24.2	A		K=H	1
17.3	5.5	F	660	K=H	1
18.0	6.0	F	661	K=H	1
17.7	7.3	F	662	K=H	2
16.7	14.7	A		N	1
17.1	8.9	F	663	K=H	2
17.3	9.7	A		K=H	1
17.4	10.0	A		N	2
17.5	10.4	A		K=0.2H	3
18.0	11.4	A		N	1
18.8	13.4	G		K=1.2H	2
18.0	14.2	G		K=H	1
16.0	15.5	F	664	K=H	2
17.7	16.4	F	665	K=H	2
17.3	19.2	A		K=0.2H	3
17.3	19.9	H		K=H	2
17.6	20.9	F	666	K=H	1
17.7	21.2	A		K=H	2
17.3	21.2	A		N	1
17.2	22.3	A		N	2
18.7	9.2	A		K=H	1
19.0	9.7	G		K=H	2
19.0	10.2	G		K=H	1
18.9	11.3	A		N	1

R.A. ¹⁹⁰⁰ Dec.	A.G.B. ¹⁹⁰⁰	R.A. ¹⁹⁰⁰ Dec. Magn.	C.D.W. ¹⁹⁰⁰ R.A. Dec. Magn.
16 52.5 -32.8	22957	16 57.8 -32.53 8.2	
16 53.0 -32.9	Not in A.G.B.		-32 12224 16 51.2 -32 43.0 8.5 <i>z</i>
16 54.9 -33.0	" " "		-32 12249 16 52.4 -32 55.0 8.7 <i>z</i>
16 56.9 -32.9	" " "		-32 12285 16 55.1 -32 46.6 8.0 <i>z</i>
17 0.0 -33.0	" " "		-32 12335 16 58.0 -32 52.6 8.5 <i>z</i>
16 15.3 -33.0	22157	16 15.1 -33 0	
16 16.5 -33.4	22175	16 16.1 -33 27 8.5	
16 19.7 -33.3	22235	16 19.3 -33 21 8	
16 37.5 -33.0	Not in A.G.B.		
16 23.1 -33.0	22307	16 23.0 -33 7 7.2	
16 25.2 -33.1	Not in A.G.B.		-33 11570 16 47.8 -33 18.5 7.0 <i>wa</i>
16 26.0 -33.1	" " "		-33 11228 16 24.0 -33 12.0 8.0 <i>z</i>
16 26.9 -33.2	" " "		-33 11244 16 24.9 -33 16.0 7.3 <i>z</i>
16 28.9 -33.7	" " "		-33 11274 16 27.3 -33 33.1 8.0 <i>z</i>
16 34.0 -34.2	22544	16 34.0 -34 6 8.5	<i>Lost star is superposed?</i>
	22545	16 34.0 -34 6 10	
16 35.9 -33.7	Not in A.G.B.		-33 11380 16 34.0 -33 31.6 9.4
16 38.8 -33.7	22641	16 39.8 -33 40 7.5	
16 40.6 -33.6	Not in A.G.B.		-33 11450 16 39.5 -33 28.0 7.1 <i>z</i>
16 47.8 -33.4	22846	16 47.9 -33 19 7.2	
16 49.4 -33.4	22894	16 49.4 -33 21 7.0	
16 52.0 -33.6	22956	16 57.8 -33 27 7.2	
16 52.5 -33.6	Not in A.G.B.		-33 11617 16 50.9 -33 20.2 8.0 <i>z</i>
16 52.6 -33.4	" " "		-33 11621 16 51.0 -33 13.6 9.0 <i>z</i>
16 55.3 -33.3	23029	16 55.2 -33 13 7	
16 23.6 -33.9	22319	16 23.6 -33 55 8.8	
16 25.0 -34.1	22342	16 24.6 -34 6 7.3	
16 25.9 -34.1	Not in A.G.B.		-33 11230 16 24.2 -33 57.9 8.3 <i>z</i>
16 29.0 -34.0	" " "		-33 11268 16 26.9 -33 57.4 8.5 <i>z</i>

which star on chart plate?

Lost star is superposed?

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Plate 3449

V H₂ Cl. R₁ H₂ Int.

18.8 11.8 A		N	2		16
18.4 12.5 C		K-H	1		16
18.7 13.0 A		N	1		16
18.6 13.1 A		N	2		
18.8 13.1 A		N	1		
18.9 13.5 A		N	1		16
18.2 16.9 A		N	1		16
18.3 17.1 A		N	2		16
18.7 17.5 C		K-H	4		16
18.3 22.3 F	667	K-H	1		16
18.1 23.8 C		K-H	1		16
18.7 23.5 D	668	N	3		16
19.8 9.8 A		N	4		16
19.3 10.8 A		K-H	2		16
19.8 11.5 F	669	K-H	1		16
19.2 20.2 A		N	1		16
19.3 20.7 A		K-H	1		16
19.6 20.8 A		N	1		16
19.8 6.4 A		N	1		16
20.4 6.4 F	670	K-H	2		16
20.9 7.0 F	671	K-H	2		16
20.3 7.1 A		K-H	2		16
20.5 7.7 F	672	K-H	1		16
20.7 21.9 K		K-H	3		16
21.8 11.4 A		N	3		16
21.7 13.6 A		N	2		16
21.7 14.7 A		N	1		16
21.2 18.2 H		N	1		16

¹⁹⁰⁰
 R.A. Dec. ^{no.} A.G.B. ¹⁹⁰⁰ R.A. Dec. ^{no.} Magn. C.D.M. R.A. Dec. Magn.
 16 29.9 -34.0 22452 16 29.7 -33 59 7.2
 16 32.0 -33.9
 16 Ask Ins. F.

16 33.8 -34.1 ~~22544~~ 16 34.0 -34 6 8.2
 16 41.9 -33.9 " " " " " "
 16 42.3 -33.9 22714 16 42.7 -33 51 7.0
 16 43.6 -34.2 22731 16 43.7 -34 7 2.3
 16 55.1 -33.8 Not in A.G.B.
 16 58.9 -33.7 " " " " " "

16 58.1 -33.9 23098 16 58.2 -33 59 5.5
 16 25.0 -34.5 22347 16 24.8 -34 29 4.6
 16 27.5 -34.2 22408 16 27.2 -34 13 8
 16 29.1 -34.4 Not in A.G.B.
 16 50.0 -34.3 " " " " " "
 16 51.6 -34.4 " " " " " "
 16 52.0 -34.6 " " " " " "
 16 16.5 -34.5 " " " " " "

16 16.5 -34.9 22184 16 16.6 -34 42 7.5
 16 18.0 -35.2 22211 16 18.0 -34 59 7.3/4
 22213 16 18.2 -34 40 7.2
 16 18.1 -34.9 22211 16 18.0 -34 59 7.8
 22243 16 19.6 -34 45 8.0
 16 20.0 -34.9 22211 16 18.0 -34 59 7.3/4
 16 Ask Ins. F.

16 28.5 -35.6 22430 16 28.6 -35 31 7.0
 16 34.0 -35.5 22546 16 34.0 -35 29 6.9
 16 36.8 -35.5 Not in A.G.B.
 16 45.7 -35.4 " " " " " "

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Plate 3449

V Hb Cl. Rem. K line Int.

20.5 20.0 A	K=H	1
20.9 20.6 A	K=H	1
22.9 1.4 A	K=H	1
22.2 8.5 A	N	1
22.2 12.0 A	K=H	2
23.6 14.7 Hb	N	1
23.2 17.2 Hb	N	1
24.0 16.6 A	N	3

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Plate 3665 R.A. 17^h 24^m Dec. -31.5

5.0 8.7 J	K=H	3
4.7 9.1 Hb	N	1
5.0 9.8 A	N	2
4.7 11.4 A	N	2
4.4 13.9 A	N	1
3.6 13.9 A	N	3
4.2 16.0 A	N	3
5.8 6.3 A	K=H	2
5.8 23.5 A	N	2
6.0 24.3 A	N	2
6.9 13.6 A	N	1
7.3 7.5 A	N	3
7.5 12.4 Hb	K=H	2
7.5 20.0 A	N	1
7.4 21.2 A	K=H	2
7.4 23.1 G	K=H	3
8.9 12.9 A	N	1

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R.A. ¹⁹⁰⁰ Dec. A.G.B. ¹⁹⁰⁰ Dec. R.A. ¹⁹⁰⁰ Dec. Magn. C. D. B. R.A. Dec. Magn.
Arks Ins. F.

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16 18.2 - 36.1 22224 16 18.4 - 35 55 8
~~Not in A.G.B.~~ -35 10927 16 16.8 -35 5097.8
16 21.2 - 35.8 " " " -35 10964 16 19.9 -35 2998.6
16 30.0 - 35.9 22458 16 30.0 - 35 42 7.5 -35 11044 16 28.4 -35 3927.2
16 36.6 - 36.6 " " " -36 10926 16 34.8 -36 23.57.8
16 43.4 - 36.4 22718 16 43.1 - 36 14 8.2 -3
16 41.6 - 36.9 22687 16 41.5 -36 42 7.2 -36 10972 16 39.8 -36 3897.7

17	9.3	-26.5	23354	17	9.2	-26	27	5.8
17	9.3	-26.5	23355	17	9.2	-26	27	5.8
17	9.8	-26.5	23370	17	10.0	-26	24	6.8
17	11.5	-26.6	23408	17	11.5	-26	31	7.4
17	15.0	-26.4	23483	17	15.3	-26	24	8
17	21.0	-26.3	23620	17	20.7	-26	15	7.8
17	21.0	-25.9	23621	17	20.7	-25	52	6.5
17	25.5	-26.2	23744	17	25.6	-26	11	6.2
17	8.2	-26.9	23324	17	8.1	-26	52	7.0
17	42.1	-27.0	24156	17	42.2	-26	57	6.7
17	44.2	-27.1	24210	17	44.1	-27	2	7.0
17	20.0	-27.6	23601	17	19.9	-27	31	8
17	6.2	-27.7	23276	17	6.2	-27	38	6.3
17	17.2	-28.1	23530	17	17.1	-28	3	5.8
17	34.2	-28.0	26944	17	34.4	-27	50	8
17	37.1	-27.9	24007	17	37.0	-27	50	6.8
17	41.2	-27.9	24120	17	41.2	-27	48	var.
17	18.5	-28.7	23560	17	18.1	-28	34	8.5

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Plate 8665

H. C. R. Kline Int.

8.4	13.7	F	674	K=H	2
7.3	8.2	F	673	K=H	2
8.3	14.3	A		N	1
8.5	18.7	A		N	1
8.5	19.2	F	675	H=H	1
8.7	22.8	A		N	1
9.1	14.1	A		N	2
9.4	19.8	A		N	2
10.3	11.2	A		K=0.2H	3
10.8	13.4	A		K=0.5H	2
11.0	14.2	F	676	K=H	4
10.9	14.3	A		K=0.2H	3
10.7	14.9	A		N	1
10.8	16.6	A		N	2
10.6	19.3	F		K=H	2
10.5	20.7	A		N	1
10.4	23.8	A		N	1
10.4	24.3	A		N	1
11.9	9.2	A		K=0.2H	3
11.8	9.9	E		K=H	2
11.3	10.3	A		N	1
11.2	12.7	H		N	1
11.3	12.9	A		N	2
12.0	15.9	E		K=H	1
11.5	19.4	A		N	2
11.9	21.1	A		K=H	1
12.5	6.2	A		K=0.3H	3
12.1	9.1	A		N	1

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R.A. ¹⁹⁰⁰	Dec. ¹⁹⁰⁰	A.G.B.	R.A. ¹⁹⁰⁰	Dec. ¹⁹⁰⁰	Magn.	C.D.M.	R.A. ¹⁹⁰⁰	Dec. ¹⁹⁰⁰	Magn.
17 20.2	-28.4	23604	17 20.0	-28 20	7.5				
17 7.9	-27.8	23317	17 7.8	-27 41	7.0				
17 21.8	-28.4	23637	17 21.5	-28 17	8.2				
17 31.2	-28.5	23871	17 31.4	-28 22	8				
17 32.5	-28.5	23895	17 32.7	-28 21	7.2				
17 39.3	-28.7	Not in A.G.B.					-28 13540	17 37.5	-28 26.5 8.9 36
17 21.0	-28.9	23628	17 21.0	-28 42	8		-28 13161	17 19.4	-28 39.9 7.5
17 34.3	-29.0	23932	17 34.1	-28 52	8				
17 13.9	-29.5	20458	17 14.1	-29 16	7.4		-29 13411	17 12.5	-29 14.6 7.1
17 19.0	-29.8	23589	17 19.1	-29 35	7.5				
17 21.0	-29.9	23629	17 21.0	-29 47	4.6				
17 21.2	-29.7	23633	17 21.3	-29 39	6.7				
17 22.6	-29.7	Not in A.G.B.					-29 13590	17 20.9	-29 29.2 9.0
17 26.9	-29.7	23777	17 26.7	-29 34	7				
17 33.2	-29.6	23905	17 33.0	-29 28	7.5				
17 36.0	-29.5	23986	17 36.1	-29 23	8.5				
17 43.0	-29.2	Not in A.G.B.					-29 14038	17 41.5	-29 16.0 7.8 36
17 44.4	-29.1	"	"	"			-29 14667	17 42.7	-29 14.5 8.1 36
17 9.1	-30.1	23349	17 9.1	-30 9	8.5				
17 10.5	-30.1	23390	17 11.0	-30 3	7.5				
17 11.6	-29.9	23421	17 12.0	-29 46	7.5		-29 13362	17 10.4	-29 44.3 7.5
17 17.2	-29.9	23546	17 17.5	-29 44	8.2				
17 17.6	-30.0	23555	17 18.0	-29 47	7.4		-29 13484	17 16.4	-29 44.5 7.7 36
17 25.3	-30.3	"	"	"			-30 14333	17 23.6	-30 8.6 8.5 36
17 33.4	-30.0	23904	17 33.0	-29 54	7.8				
17 37.7	-30.2	24014	17 37.1	-30 8	7.5				
17 2.1	-30.3	23189	17 2.4	-30 16	6.2				
17 8.7	-30.3	23349	17 9.1	-30 9	8.5		-30 13959	17 7.5	-30 7.1 8.7 36

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Plate 3665-

V. H. C. R. Kline Int.

123.97	A	K-H	2
12.5 12.0	A	N	3
12.3 16.1	A	N	1
12.4 16.2	A	N	1
12.2 16.6	H	N	1
12.3 17.0	F 677	K-H	2
12.9 23.6	F 678	K-H	2
12.8 24.4	A	N	2
13.9 5.8	H	K-H	1
13.4 6.8	A	K-H	2
13.9 10.6	A	N	1
13.3 14.8	A	N	2
13.7 24.2	A	N	1
15.0 6.6	A	N	1
14.8 7.1	A	K-H	1
14.2 10.7	A	K=0.2 H	3
14.6 11.7	A	K-H	2
14.7 12.0	A	K-H	2
14.8 12.6	F 679	K-H	1
14.2 14.8	A	K-H	2
14.5 15.0	B 680	N	2
15.0 23.4	A	N	4
14.2 23.6	G	K-H	1
15.7 9.3	F 681	K-H	1
15.5 14.0	F 682	K-H	2
15.5 15.5	A	N	2
15.4 15.9	F 683	K-H	1
15.1 16.1	A	K-H	1

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R.A. 1900	Dec.	¹⁹⁰⁰ A.G.B.	¹⁹⁰⁰ R.A.	¹⁹⁰⁰ Dec.	¹⁹⁰⁰ Magn.	¹⁹⁰⁰ C.D.M.	R.A.	Dec.	Magn.
17 10.0	-30.3	23 376	17 10.5	-30 15	7.4				
17 15.9	-30.6	23 419	17 15.7	-30 24	8				
17 25.6	-30.4								
17 26.0	-30.6								
17 26.9	-30.4	23 771	17 26.6	-30 18	8				
17 28.0	-30.4	23 800	17 27.6	-30 20	7.8				
17 42.8	-30.6	24 177	17 42.8	-30 34	6.8				
17 45.1	-30.6	24 225	17 44.8	-30 32	8				
17 1.2	-31.0	23 162	17 1.3	-30 56	7.3				
17 4.0	-30.8	23 212	17 3.7	-30 42	8				
17 12.5	-31.0								
17 22.2	-30.9								
17 44.9	-31.0								
17 3.0	-31.6								
17 4.2	-31.5	23 231	17 4.3	-31 26	8				
17 12.7	-31.3	23 431	17 12.8	-31 16	7.6				
17 15.0	-31.6	23 478	17 14.9	-31 29	8.2				
17 16.0	-31.6	23 496	17 15.8	-31 30	8.5				
17 17.2	-31.7	23 527	17 17.1	-31 37	8				
17 22.3	-31.4	23 652	17 22.2	-31 18	7.8				
17 22.9	-31.6	23 666	17 22.7	-31 27	7.5				
17 42.7	-31.7	24 169	17 42.7	-31 40	5.5				
17 42.7	-31.4								
17 9.3	-32.0								
17 20.1	-32.0	23 610	17 20.2	-31 56	7.5				
17 24.0	-32.1	23 692	17 23.7	-32 2	7.2				
17 24.9	-32.0	23 725	17 24.9	-31 53	8.2				
17 25.2	-31.9	23 730	17 25.1	-31 47	8.5				

* -31° 13832 17 11.0-31 3.3 8.3
(Class A) - superposed - May 2.
Examined with Barlow's chart plate.

Plate 3663-

R.A. 1900	Dec. 1900	A.G.B.	R.A. 1900	Dec. 1900	Magn.	C.D.M.	R.A. 1900	Dec. 1900	Magn.
17 28.0	-31.9	23810	17 28.1	-31.48	7.8				
17 30.4	-32.1	23854	17 30.4	-32.4	7.2				
17 33.0	-32.4	23905	17 33.1	-32.16	7.2				
17 33.3	-32.2	23915	17 33.5	-32.12	7.5				
17 33.6	-32.3	23915	17 33.6	-32.12	7.5				
17 31.9	-32.2	Not in A.G.B.							
17 34.1	-32.1	23936	17 34.2	-32.6	7.8				
17 35.1	-32.1	23960	17 35.1	-32.4	9.5				
17 37.0	-32.2	Not in A.G.B.							
17 6.8	-32.3	23285	17 6.5	-32.19	6.3	-32 13221	17 35.3	-32 10.4	8.5
17 7.0	-32.5	23290	17 6.6	-32.30	7.8	-32 12467	17 5.0	-32 27.2	7.8
17 7.7	-32.1	23308	17 7.4	-32.7	8	-32 12518	17 7.4	-32 31.9	8.0
17 9.1	-32.6	Not in A.G.B.							
17 10.1	-32.3	23367	17 10.0	-32.14	8				
17 10.5	-32.6	23377	17 10.5	-32.33	5.9				
17 11.9	-32.5	23415	17 11.8	-32.27	6.9				
17 28.2	-32.5	23811	17 28.1	-32.31	5.8				
17 33.3	-32.6	Not in A.G.B.							
17 33.9	-32.8	"	"	"		-32 13121	17 32.3	-32 41.1	8.0
17 35.6	-32.7	"	"	"		-32 13185	17 34.1	-32 27.7	7.8
17 37.1	-32.7	24005	17 37.0	-32.37	7.2				
17 40.3	-32.6	24105	17 40.4	-32.23	8.0	-32 13318	17 38.8	-32 21.8	8.0
17 41.5	-32.8	24139	17 41.7	-32.38	7.4	-32 13346	17 40.1	-32 37.0	7.3
17 7.4	-32.8	"	"	"		-32 12479	17 5.6	-32 41.6	8.7
17 13.9	-32.8	23463	17 14.4	-32.44	8				
17		Ask Lms. F.							
17 20.0	-32.8					-32 12726	17 17.9	-32 46.0	8.3
17 20.5	-32.9	23605	17 20.0	-32.53	8.5				

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Plate 3665-

V Hb Cl. Rev. ^{Nr.} Nine Int

17.5 16.6 B	688	N	2
17.2 18.8 A		N	2
17.6 18.9 A		N	1
17.8 19.5 A		N	1
17.6 20.8 H		N	1
17.4 21.1 A		N	1
17.6 23.5 A		N	1
18.3 8.1 A		N	2
18.2 8.4 A		N	2
19.0 9.1 A		N	1
18.5 9.3 A	689	N	3
18.9 9.5 A		N	2
18.1 10.0 F	690	K-H	1
18.4 10.6 A		K-H	1
18.8 15.3 B	691	N	2
18.7 16.0 J		K-H	2
18.5 20.3 E		K-H	1
19.2 9.4 A		N	1
19.8 13.5 A		K-H	2
19.6 14.0 A		N	2
19.9 16.3 F	692	K-H	3
19.6 16.9 A		N	1
19.2 17.7 A		N	1
20.0 18.4 A		K=0.5H	1
19.6 20.1 A		N	2
20.0 20.5 A		K-H	1
19.7 20.9 A		N	2
20.0 21.5 A		N	1

R.A. 1900	Dec.	¹⁹⁰⁰ A.G.B.	¹⁹⁰⁰ R.A.	¹⁹⁰⁰ Dec.	Magn.	C.D.M.	R.A.	Dec.	Magn.
17 26.2	-33.1	23769	17 26.5	-32 59	7.5	-32 12883	17 24.9	-32 58.1	7.5 <i>pl.</i>
17 32.0	-32.9	23873	17 31.7	-32 49	8.8				
17 32.1	-33.1	Not in A.G.B.				-32 13044	17 30.4	-32 58.7	8.3 <i>pl.</i>
17 32.9	-33.2	"	"	"		-33 12328	17 31.7	-33 43	8.5 <i>pl.</i>
17 36.5	-33.0	"	"	"		-32 13208	17 34.9	-32 59.2	6.7 <i>u.a.</i>
17 37.0	-32.9	24016	17 37.1	-32 53	9.5				
17 37.0	-32.9	24017	17 37.1	-32 53	8.5				
17 43.1	-33.0	Not in A.G.B.				-32 13379	17 41.3	-32 55.3	8.2 <i>pl.</i>
17 6.0	-33.3	23277	17 6.2	-33 14	8.2				
17 6.8	-33.3	23294	17 6.9	-33 13	8				
17 8.3	-33.8	23332	17 8.4	-33 38	7.8				
17 8.7	-33.5	23337	17 8.7	-33 26	5.8				
17 9.1	-33.7	23352	17 9.2	-33 37	6.9				
17 10.5	-33.3	Not in A.G.B.				-33 11919	17 8.9	-33 7.9	8.6 <i>pl.</i>
17 12.2	-33.4	"	"	"		-33 11952	17 10.5	-33 18.0	7.5 <i>pl.</i>
17 23.7	-33.7	23685	17 23.5	-33 38	6.8				
17 25.3	-33.7	23732	17 25.2	-33 37	6.6				
17 35.0	-33.5	23965	17 35.3	-33 27	6.9				
17 9.0	-33.8	Not in A.G.B.				-33 11882	17 7.4	-33 41.5	8.0 <i>pl.</i>
17 18.6	-34.3	23575	17 18.7	-34 10	7.3	-34 11679	17 17.0	-34 7.7	7.4 <i>pl.</i>
17 20.0	-34.0	23606	17 20.0	-34 1	7.8				
17 25.5	-34.2	23750	17 25.8	-34 12	6.4				
17 27.2	-34.0	23795	17 27.4	-34 0	9				
17 29.1	-33.9	Not in A.G.B.				-33 12235	17 27.7	-33 45.8	8.5 <i>pl.</i>
17 31.0	-34.3	23863	17 31.0	-34 17	7.2				
17 34.3	-34.1	23953	17 34.9	-34 1	8				
17 35.7	-34.3	23976	17 36.0	-34 16	9				
17 36.4	-34.1	23971	17 35.7	-34 5	8.8				
17 38.0	-34.2	Not in A.G.B.				-34 12020	17 36.7	-34 8.7	8.8 <i>pl.</i>

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Plate 3665

V Hb Cl. Rem. ^{Nr.} Kline Int

	19.6	22.8	F	693	K=H	1
	19.5	24.2	A		N	1
	20.2	9.5	A		N	1
1	21.0	13.0	G		K-H	2
2	20.7	13.3	A		K-H	3
3	20.5	13.4	A		N	2
4	20.2	13.5	H		N	2
	20.4	19.0	F	694	K-H	1
	20.7	22.2	A		N	2
	20.1	22.7	A		N	2
	20.8	22.9	A		N	2
	20.6	23.7	A		K-H	1
	20.1	24.0	A		N	1
	20.8	24.4	A		N	1
	21.7	6.4	F	695	K-H	2
	21.4	10.7	F		K-H	2
	21.2	14.3	A		N	1
	21.4	20.0	H		N	1
	22.0	20.8	H		N	1
	21.5	21.0	A		N	1
	21.3	22.1	A		N	2
	22.0	22.6	A		N	2
	21.7	23.0	A		N	2
	21.8	24.0	A		N	2
	21.3	24.3	A		N	1
	21.2	24.5	A		N	3
	22.9	9.8	F	696	K-H	3
	22.2	12.3	A		N	1

1900 ²⁰				1900 ²⁰				1900 ²⁰				1900 ²⁰			
P.A.	Dec.	A.G.B.		P.A.	Dec.	A.G.B.		P.A.	Dec.	A.G.B.		P.A.	Dec.	A.G.B.	
17	41.0	-34.0	24121	17	41.4	-33.58	7.2								
17	44.3	-33.9	24228	17	44.9	-33.59	7.5								
17	9.0	-34.3	23343	17	9.0	-34.14	7.5								
17	17.3	-34.8	23541	17	17.5	-34.42	7.3								
17	18.4	-34.7	23567	17	18.4	-34.37	6.3								
17	18.5	-34.6	23571	17	18.6	-34.29	7.3								
17	18.5	-34.4	23572	17	18.6	-34.21	7.2								
17	32.3	-34.5	23887	17	32.4	-34.25	8								
17	40.0	-34.6	24089	17	40.0	-34.33	8								
17	41.0	-34.0	24123	17	41.4	-33.59	8								
17	41.5	-34.7	24129	17	41.6	-34.33	7.5								
17	43.4	-34.5	24196	17	43.7	-34.27	8								
17	44.0	-34.1		Not in A.G.B.											
17	44.8	-34.5													
17	1.8	-34.9	23165	17	1.6	-34.52	7.0								
17	12.1	-34.9	23422	17	12.1	-34.53	6.1								
17	28.0	-34.9	23808	17	28.2	-34.50	8.2								
17	35.0	-35.0	23948	17	34.6	-34.53	8.2								
17	36.1	-35.3	23975	17	36.0	-35.16	9.5								
17	36.8	-35.0		Not in A.G.B.											
17	39.5	-34.9	24084	17	39.8	-34.51	7.8								
17	40.4	-35.1		Not in A.G.B.											
17	41.6	-35.0	24151	17	42.1	-35.2	7.5								
17	44.1	-35.0	24214	17	44.4	-35.3	8								
17	44.9	-34.8	24236	17	45.3	-34.46	8.2								
17	46.3	-34.7	24262	17	46.7	-34.42	7.5								
17	9.4	-35.7	23358	17	9.7	-35.38	6.1								
17	16.0	-35.3	23480	17	15.1	-35.10	8.2								

-34 12134 17 42.5-34 10.1 8.5 g.

-34 12152 17 43.5-34 30.5 8.7 g.

-34 11994 17 35.4-34 53.8 8.5 g.

-35 11929 17 39.4-35 10.2 8.4

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Plate 3665

V Hb Cl. ^{No.} Rinn. Kline Int.

22.9 17.0 A	N	2
22.9 18.3 A	N	1
22.5 20.4 A	N	2
22.5 21.5 A	N	3
22.4 23.3 A	N	2
22.5 23.6 A	N	2
22.3 24.0 A	N	2
22.4 24.3 A	N	2
23.2 12.4 ^{Fr} 697	H-H	2
23.1 15.4 A	N	1
23.1 20.3 ^{Fr} 698	H-H	1
23.4 22.9 A	N	2

Plate 5184 R.A. ^{h m} 18⁰⁰ Dec. -31.4

4.4 13.1 A	K=0.2H	2
4.0 16.2 A	H-H	1
4.7 17.2 A	N	1
4.6 18.6 A	N	1
4.1 21.1 A	K=0.3H	2
5.7 6.4 A	N	2
5.9 7.2 A	K=0.5H	2
5.6 8.0 A	N	1
5.3 10.0 ^{Fr} 699	H-H	1
5.5 13.2 A	N	2
5.5 13.6 E	H-H	2
5.9 13.9 A	N	1
5.9 14.2 A	N	1

R.A. 1900	Dec. 1900	A.G.B.	R.A. 1900	Dec. 1900	Magn.	C.D.W.	R.A. 1900	Dec. 1900	Magn.
17 28.0 - 35.9		Not in A.G.B.				-35 11704	17 25.9 - 35 38.8	7.8	36
17 31.2 - 35.9		" " "				-35 11748	17 29.0 - 35 38.8	8.0	36
17 35.5 - 35.6	23970	17 35.7 - 35 27	8						
17 37.8 - 35.6	24027	17 37.6 - 35 39	8.8						
17 42.3 - 35.4	24171	17 42.8 - 35 21	7.5						
17 43.6 - 35.6		Not in A.G.B.				-35 11974	17 42.4 - 35 296	7.7	36
17 44.0 - 35.4	24217	17 44.4 - 35 19	7.8						
17 44.8 - 35.4	24232	17 45.2 - 35 21	7.0						
17 15.9 - 35.9	23497	17 15.9 - 35 49	6.7						
17 24.0 - 35.9	20686	17 23.6 - 35 46	8.5			-35 11632	17 21.9 - 35 45.3	8.0	36
17 35.2 - 35.8		" " "				-35 11827	17 33.9 - 35 44.4	7.8	
17 41.0 - 35.9	24128	17 41.5 - 35 52	7.5						
17 56.6 - 26.4	24538	17 157.2 - 26 19	8			-26 12724	17 55.6 - 26 19.3	7.4	36
18 4.0 - 26.1	24726	18 4.4 - 26 3	7.5						
18 5.5 - 26.6		Not in A.G.B.				-26 12925	18 4.3 - 26 2.6	8.5	
18 9.1 - 26.5	24841	18 9.0 - 26 21	8.5						
18 15.0 - 26.1	24998	18 15.0 - 26 8	7.0						
17 42.1 - 26.9	24156	17 42.2 - 26 57	6.7						
17 44.1 - 27.9		Not in A.G.B.				-27 11991	17 42.6 - 27 10	7.0	36
17 45.4 - 27.0		" " "				-26 12453	17 44.3 - 26 51.6	8.2	36
17 50.0 - 26.8	24339	17 50.2 - 26 45	7.3						
17 56.8 - 26.9		Not in A.G.B.				-26 12728	17 55.8 - 26 52.1	7.8	36
17 57.4 - 26.9	24569	17 58.3 - 26 51	7.7			-26 12752	17 56.7 - 26 51.5	7.7	36
17 58.1 - 27.1		" " "				-27 12358	17 57.2 - 27 5.7	8.9	36?
17 59.0 - 27.1		" " "				-27 12386	17 58.1 - 27 5.0	9.3	36

Plate 5184

R.A. 1900	Dec. 1900	A.G.B.	R.A. 1900	Dec. 1900	Magn.	C.D.M.	R.A.	Dec.	Magn.
17 59.1 - 27.0		Not in A.G.B.					-26 12792	17 58.2 - 26 58	8.7
18 0.0 - 26.9		" " "					-26 12801	17 58.5 - 26 48	8.1
18 0.3 - 27.1	24629	18 0.8 - 27 7	9				-27 12412	17 59.2 - 27 6	9.0
18 1.5 - 26.8		Not in A.G.B.					-26 12825	17 59.8 - 26 42	8.7
18 6.5 - 27.0		" " "					-26 12941	18 5.2 - 26 55.1	9.000
18 11.8 - 27.1	24919	18 11.8 - 27 5	5.1						
18 16.0 - 27.0	25029	18 16.2 - 26 58	8.8						
18 21.5 - 26.8	25172	18 21.9 - 26 49	6.6						
18 21.7 - 26.9	25168	18 21.8 - 26 54	9						
18 23.0 - 26.7	25196	18 22.8 - 26 39	8.2						
	25197	18 22.8 - 26 38	7						
17 46.1 - 27.2		Not in A.G.B.					-27 12050	17 44.8 - 27 37.8	2.76
17 47.0 - 27.7		" " "					-27 12062	17 45.4 - 27 36.3	7.8 0.0
17 47.2 - 27.3	24279	18 47.3 - 27 15	6.8						
17 50.5 - 27.3		Not in A.G.B.					-27 12143	17 49.1 - 27 6.4	8.3 76
17 52.2 - 27.6		" " "					-27 12187	17 50.7 - 27 30.4	8.4 0.0
17 55.5 - 27.8		" " "					-27 12258	17 53.7 - 27 40.3	8.6 76
17 55.9 - 27.5		" " "					-27 12272	17 54.2 - 27 30.4	8.3 76
17 57.6 - 27.4		" " "					-27 12341	17 56.5 - 27 23	8.2 76
17 59.6 - 27.6	24611	18 0.0 - 27 30	7.5						
18 1.4 - 27.3		Not in A.G.B.					-27 12444	18 0.3 - 27 19.6	8.5 76
18 1.8 - 27.7	24661	18 2.2 - 27 39	8.5						
18 2.1 - 27.9	24667	18 2.3 - 27 53	7.8						
18 4.0 - 27.5		Not in A.G.B.					-27 12511	18 2.8 - 27 26.8	9.0 76
18 6.0 - 27.7		" " "					-27 12555	18 4.8 - 27 38.0	9.0 76
18 6.0 - 27.3		" " "					-27 12554	18 4.8 - 27 10.1	9.5 76
18 6.9 - 27.3		" " "					-27 12567	18 5.5 - 27 14.5	8.0 76
18 10.00 - 27.5		Ask Imm. Fr.					-27 12588	18 6.3 - 27 32.0	7.6 76
18	24873	18 10.1 - 27 27	8.0				-27 12644	18 8.5 - 27 27.7	8.3 76

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Plate 5184

8 Hb Cl. ^{No.} ~~Run.~~ Kline Int. 1892

6.5	19.5	Hb	N	1
6.9	20.3	A	N	1
6.6	20.6	Hb	N	1
7.0	22.0	A	N	2
6.7	23.1	A	N	1
7.4	6.0	F	703 K-H	3
7.5	7.6	A	N	1
7.9	8.6	A	N	1
7.7	10.1	A	N-H	3
8.0	10.8	F	704 K-H	2
7.8	11.3	A	N	1
7.3	12.9	Hb	K-H	2
7.4	13.0	A	N	1
7.2	13.3	A	N	1
6.9	13.9	A	N	1
7.1	14.0	A	N	1
7.2	14.3	A	N	1
7.4	15.3	A	K-H	2
7.3	15.5	A	K-H	2
8.0	16.2	Hb	K-H	1
7.7	16.7	H	N	1
7.6	17.5	A	N	1
7.7	18.0	F	705 K-H	2
7.9	18.5	A	N	2
8.0	18.7	A	N	1
7.2	19.1	F	K-H	2
7.5	19.3	A	K-H	2
7.6	19.4	A	N	1

R.A. 1900	Dec. A.G.B.	R.A. 1900	Dec. Magn.	C.M.	R.A. 1900	Dec. Magn.
18 11.5 - 27.4	24900	18 11.2 - 27 32	9			
18 13.4 - 27.6	Not in A.G.B.			-27 12721	18 11.9 - 27 32.9	8.3 ³⁶
18 14.0 - 27.5	24978	18 14.1 - 27 27	7.5			
18 17.1 - 27.7	Not in A.G.B.			-27 12782	18 15.6 - 27 33.9	8.0 ³⁶
18 19.9 - 27.5	" " "			-27 12837	18 18.2 - 27 23.9	8.5 ³⁶
17 41.2 - 27.9	24 120	17 41.3 - 27 48	var.			
17 45.0 - 28.0	Not in A.G.B.			-27 12010	17 43.3 - 27 47.7	8.4 ³⁶
17 47.0 - 28.2	24273	17 47.1 - 28 2	8.2	-28 13771	17 45.5 - 28 1.3	8.3 ²⁶
17 50.3 - 28.1	24344	17 50.4 - 28 3	6.0			
17 52.0 - 28.2	24364	17 57.1 - 28 14	8.8			
17 53.2 - 28.1				-27 12203	17 51.4 - 27 57.1	8.9 ³⁶
17 56.0 - 27.9	24502	17 56.2 - 27 57	9			
17 56.1 - 28.0	Not in A.G.B.			-27 12310	17 55.3 - 27 51.0	9.0 ³⁶
17 57.1 - 27.9	" " "			*-27 12332	17 56.0 - 27 44.0	9.3 ³⁶
17 58.2 - 27.7	" " "			-27 12364	17 57.3 - 27 32.4	9.0
17 58.3 - 27.8	" " "			-27 12367	17 57.5 - 27 42.4	9.0 ³⁶
17 58.3 - 28.0	" " "			-27 12369	17 57.5 - 27 50	8.1
18 2.0 - 28.0	24667	18 2.3 - 27 53	7.8	-27 12381	17 58.0 - 27 51.5	9.8 ³⁶ (?)
18 2.1 - 27.9	24682	18 2.6 - 27 48	7.2			
18 3.8 - 28.2	Not in A.G.B.			-27 12463	18 1.0 - 27 47.9	7.6 ³⁶
18 5.0 - 28.1	24748	18 5.5 - 28 3	7.8	-28 14227	18 2.6 - 28 10.4	8.4
18 6.9 - 28.0	Not in A.G.B.					
18 8.2 - 28.0	" " "			-27 12572	18 5.7 - 27 55.1	9.2
18 9.3 - 28.1	24851	18 9.4 - 28 7	8.5	-28 14334	18 6.7 - 28 0.6	8.3 ³⁶
18 9.9 - 28.2	Not in A.G.B.					
18 11.0 - 27.7	24884	18 10.7 - 27 45	7.2	-27 12658	18 9.1 - 27 45.4	7.3 ³⁶
18 11.6 - 27.9	24903	18 11.4 - 27 54	8.2	-27 12672	18 9.7 - 27 54.2	8.0 ³⁶
18 11.7 - 28.0				-27 12674	18 9.8 - 27 55.9	8.7 ³⁶

* Spectrum of -27° 12333 17 56.1 - 27° 45.0 ^{h m} supposed. Class A.

? Mis. F. remeasured
these 3 stars and
marked on B 27750

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Plate 5184

V Hb Cl R¹⁰⁰ Hline Int. 189

16.9	8.0-0	N	1	
18.6	8.1-76	N	1	
9.0	8.9 Hb	N	1	
8.4	9.5 A	N	1	
9.2	9.8 A	N	1	
9.0	10.6 A	N	2	
9.0	11.0 B 706	N	3	
9.0	11.9 A	N	1	
8	17.8 12.0 A	N	1	
8	17.8 12.1 A	N	1	
8	17.5 12.5 F 707	K-H	1	
9.0	13.3 A	N	2	
8	17.5 13.5 A	N	1	
9.0	13.9 E	K-H	1	
9.0	14.5 A	N	1	
8.7	14.5 Hb	N	1	
8.3	14.6 A	N	3	
8.4	15.1 G	K-H	4	
8.4	16.4 A	N	1	
8.1	17.1 F 706	K-H	2	
8.4	17.3 A	N	1	
8.3	17.5 A	K-H	1	
9.0	17.9 A	K-H	1	
8.4	18.0 E	K-H	1	
8.8	18.1 A	N	1	
8.9	18.2 A	K-0.3H	2	
8.3	19.2 F 719	K-H	3	
9.0	19.2 A	K-0.5H	3	

R.A. 1900	Dec.	A.G.B.	R.A. 1900	Dec.	Magn.	C.M.	R.A. 1900	Dec.	Magn.
17 45.3	-28.8	Not in A.G.B.					-28 13718	17 44.0	-28 3578.4
17 45.9	-28.6	24248	17 45.9	-28.28	8.5		-28 13735	17 44.3	-28 2668.4
17 47.6	-28.8	24281	17 47.5	-28 39	8.2				
17 49.0	-28.4	Not in A.G.B.					-28 13829	17 47.4	-28 1929.1
17 49.8	-28.9	"					-28 13855	17 48.1	-28 4289.0
17 51.9	-28.8	"					-28 13909	17 49.9	-28 3738.8
17 52.2	-28.9	24395	17 52.3	-28 45	6.2				
17 54.0	-28.9	24455	17 54.4	-28 42	9		-28 14005	17 52.8	-28 4208.8
17		Ask Mrs. F.					-28 14013	17 53.1	-28 3549.3
"		"					-28 14018	17 53.2	-28 4009.7
"		"					-28 14035	17 54.2	-28 2338.8
17 57.1	-28.9	Ask Mrs. F.					-28 14073	17 55.9	-28 4398.2
17 58.3	-28.8	Not in A.G.B.					-28 14075	17 55.9	-28 4409.4
17 59.7	-28.8	"					-28 14089	17 56.4	-28 2598.9
17 59.9	-28.6	24617	18 0.3	-28 32	8.2		-28 14114	17 57.4	-28 4138.9
18 0.0	-28.4	24623	18 0.5	-28 22	8		-28 14139	17 58.5	-28 3429.3
18 1.4	-28.5	24649	18 1.8	-28 28	5.4		-28 14143	17 58.7	-28 3268.5
18 4.2	-28.4	24730	18 4.7	-28 21	8.5				
18 6.0	-28.3	24768	18 6.3	-28 16	7.5				
18 6.2	-28.4	Not in A.G.B.					-28 14291	18 5.1	-28 2079.2
18 7.0	-28.3	"					-28 14305	18 5.6	-28 1749.2
18 8.0	-28.8	"					-28 14314	18 6.1	-28 4299.0
18 8.5	-28.4	"					-28 14331	18 6.7	-28 2379.0
18 8.7	-28.5	"					-28 14342	18 7.0	-28 3009.6
18 9.1	-28.8	24835	18 8.9	-28 39	8		-28 14355	18 7.3	-28 3397.9
18 11.4	-28.3	24897	18 11.1	-28 19	6.7				
18 11.4	-28.8	24898	18 11.1	-28 42	6.6				

Mrs. F. marked
these 3 stars on
B 27750

? which star?

?

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Plate 5784

R.A. 1900	Dec. 1900	A.G.B.	R.A. 1900	Dec. 1900	Magn.	C.D.M.	R.A. 1900	Dec. 1900	Magn.
18 12.0 - 28.8		Not in A.G.B.					-28 14432 18 10.4 - 28 41	8.9	
18 12.6 - 28.3		" " "					-28 14441 18 11.2 - 28 15.7	9.2	36
18 13.1 - 28.6	24962		18 13.4 - 28 29	9					
18 14.6 - 28.2							-28 14475 18 13.0 - 28 10	8.0	
18 14.8 - 28.5							-28 14476 18 13.1 - 28 24	8.8	
18 15.8 - 28.5	25013		18 15.7 - 28 29	6.5					
18 16.0 - 28.3		Not in A.G.B.					-28 14507 18 14.5 - 28 16.7	9.1	36
17 46.8 - 28.9							-28 13760 17 45.2 - 28 49.6	9.0	
17 50.5 - 29.1							-29 14221 17 48.7 - 29 1.7	8.8	36
17 47.5 - 29.1							-28 13780 17 45.8 - 28 58.3	8.8	36
17 50.1 - 29.1							-29 14259 18 50.1 - 29 30	8.9	
17 52.4 - 29.0							-28 13943 17 51.0 - 28 53.2	8.7	36
17 52.6 - 28.9							-28 13950 17 51.2 - 28 45.5	9.4	
17 56.4 - 29.0							-28 14059 17 55.2 - 28 53.7	9.5	
17 58.9 - 29.2							-29 14457 17 57.4 - 29 5.8	8.7	36
18 0.0 - 29.1	24622		18 0.4 - 29 3	8.8					
18 0.2 - 29.2							-29 14502 17 59.0 - 29 4.7	8.0	36
18 2.2 - 28.9	24678		18 2.5 - 28 46	7.8					
18 4.0 - 29.3	24715		18 3.9 - 29 14	8.2					
18 5.6 - 29.0	24751		18 5.6 - 28 56	7.2					
18 6.5 - 29.1		Not in A.G.B.					-28 14286 18 4.8 - 28 59.1	9.2	36
18 8.4 - 28.9		" " "					-28 14329 18 6.6 - 28 51.9	8.1	0.0
18 9.9 - 29.3		" " "					-29 14732 18 8.0 - 29 11.4	8.5	36
18 10.1 - 29.3		" " "					-29 14736 18 8.3 - 29 8.4	9.0	36
18 10.1 - 29.0	24868		18 10.0 - 28 58	7.8					
18		Ask Mrs. F.					-29 14770 18 9.7 - 29 6.9	9.3	
18 13.2 - 29.1		Not in A.G.B.					-29 14804 18 11.5 - 29 2.9	8.4	36
18 14.7 - 29.2	24977		18 14.1 - 29 7	7.2			-29 14823 18 12.5 - 29 7.0	7.3	36

Marked by Mrs. F. B. 27750

November 27, 1892

Plate 5184

8 Hb Cl. Run. ^{N₁} Kline Int.

10.3 7.0 A	N	2
10.2 7.5 A	N	1
10.7 8.3 A	K=H	2
10.7 10.0 Fr 713	K=H	1
10.8 10.6 A	N	1
10.1 10.9 A	N	1
10.3 11.3 J	K=H	2
10.6 11.3 A	N	1
10.3 12.1 Fr 714	K=H	2
10.8 12.2 A	N	3
10.1 12.4 A	N	1
10.1 12.5 A	N	1
10.2 12.8 B 715	N	2
10.7 13.0 A	N	1
10.6 13.8 G	K=1.2 H	3
10.1 14.1 A	K=0.2 H	2
10.5 14.2 A	N	2
11.0 15.0 A	K=0.5 H	2
11.0 16.3 A	K=0.5 H	2
10.7 16.5 A	N	1
10.8 16.8 A	K=0.2 H	2
10.7 17.0 A	N	1
10.3 17.0 A	N	1
10.4 17.4 A	N	1
10.8 17.9 A	K=H	1
10.2 17.4 A	N	2
11.0 20.2 Hb	N	2
10.9 22.2 Fr 716	K=H	1

R.A. 1900	Dec.	^{var.} A.G.L.	R.A. 1900	Dec.	^{var.} A.G.L.	C.M.	R.A.	Dec.	Magn.
17 42.6	-29.4	not in A.G.L.				-29 14038	18 41.5	-29 16.0	7.8 ³⁶
17 44.2	-29.4	" " "				-29 14067	17 42.7	-29 14.5	8.1 ³⁶
17 45.9	-29.7	" " "				-29 14104	17 44.5	-29 31.4	8.5 ³⁶
17 50.0	-29.7	" " "				-29 14214	17 48.4	-29 30.8	9.1
17 51.4	-29.7	24381	17 57.7	-29 34	8.2				
17 52.0	-29.5	24403	17 52.5	-29 33	9				
17 52.8	-29.5	24413	17 52.9	-29 23	7.5				
17 52.9	-29.7					-29 14296	17 51.4	-29 28.5	9.0 ³⁶
17 55.9	-29.4					-29 14342	17 53.2	-29 25.6	7.8 ³⁶ which star?
17 55.0	-29.8	24407	17 54.4	-29 51	8.5	-29 14343	17 53.3	-29 19.7	8.0
17 55.1	-29.5	24466	17 54.8	-29 26	8.2				
17 55.5	-29.5	24474	17 55.1	-29 35	8.2				
17 56.1	-29.5	24511	17 56.4	-29 22	8.5				
17 56.5	-29.7					-29 14399	17 55.2	-29 31.8	8.9 ³⁶
17 58.5	-29.7	24577	17 58.6	-29 35	var.				
17 59.4	-29.4	24594	17 57.3	-29 17	7.8				
17 59.8	-29.5					-29 14481	17 58.1	-29 26.5	8.5 ³⁶
18 1.6	-29.9					-29 14526	17 59.9	-29 44.5	8.5 ³⁶
18 4.8	-29.8	24729	18 4.7	-29 46	8.2				
18 4.9	-29.7	24733	18 4.9	-29 40	8.2				
18 5.5	-29.7	24752	18 5.6	-29 36	8.5				
18 6.1	-29.7	not in A.G.L.				-29 14640	18 4.4	-29 30.0	9.0 ⁰²
18 6.1	-29.5	" " "				-29 14642	18 4.5	-29 22.1	8.9 ⁰²
18 7.4	-29.6	" " "				-29 14666	18 5.4	-29 22.8	9.0
18 8.0	-29.7	" " "				-29 14702	18 6.6	-29 34.0	9.4
18 12.0	-29.4	" " "				-29 14701	18 6.6	-29 34.7	9.5 ³⁶ which star?
18 13.0	-29.8	" " "				-29 14775	18 10.0	-29 18.4	8.4 ³⁶
18 18.0	-29.7	" " "				-29 14809	18 11.7	-29 40.2	8.2 ³⁶
						-29 14900	18 16.5	-29 36.5	9.0 ³⁶ which star?
						-29 14901	18 16.5	-29 35.2	8.6

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Plate 5184

V He Col. Run. ^{N^o} Khine Int.

10.9 23.4 A N 2

/ / 10.4 23.0 A N 1

R.A. ¹⁹⁰⁰ Dec. ^{mag.} A.G. 6 R.A. ¹⁹⁰⁰ Dec. ^{mag.} Magn. C.M. R.A. Dec. Mag.

18 20.5-29.6 25 136 18 20.7-29.34 8

18 20.1-29.4

-29 14937 18 184-29.21.1 9.3 Does 14938 effect this

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Plate 5184

 $\begin{matrix} \text{in} & \text{mm} \\ 23 & 29 \end{matrix}$

8-16 Col. Rem. K line Lwt.

10.5	24.3	F	7.17	K-H	2
11.4	9.2	A		N	1
11.3	9.5	F	7.18	H-H	1
11.5	9.7	A		N	2
11.3	10.0	A		N	2
11.9	10.1	H		N	2
11.4	10.2	A		N	2
11.8	11.6	A		N	1
11.3	11.7	A	7.19	N	1
11.2	11.8	A		N	2
11.4	12.0	A		N	1
11.8	12.2	A		N	1
11.3	13.2	G		K-H	2
12.0	13.8	A		K-H	2
12.0	14.8	A		N	1
11.9	15.3	A		K-H	2
11.5	15.4	G		K-H	2
11.4	16.1	A		N	1
11.4	16.4	A		H=0.2 H	2
11.4	16.6	A		N	1
11.7	16.9	G		K-H	1
11.2	18.1	L		K-H	2
11.2	16.8	A		N	1
11.4	18.9	A		N	2
11.2	19.4	A		N	2
11.1	19.9	A		N	1
11.9	18.6	F	7.20	K-H	1
11.3	20.7	L		H=1.2 H	4

R.A. ¹⁹⁰⁰ Dec. ¹⁹⁰⁰ A.G.B. ¹⁹⁰⁰ R.A. ¹⁹⁰⁰ Dec. ¹⁹⁰⁰ Magn. C.M. R.A. Dec. Magn.

18 23.1 - 29.3 25202 18 22.8 - 29 19 7.0

17 48.0 - 30.0 Not in A.G.B.

17 48.8 - 29.9 " " "

17 49.2 - 30.1 " " "

17 50.0 - 30.0 " " "

17 50.0 - 30.3 " " "

17 50.3 - 30.0 24407 17 52.7 - 30 14 5.8

17 53.4 - 30.2 24408 17 52.7 - 30 14 8

~~17 54.1 - 29.9 24446 17 54.1 - 29 49 7.8~~

17 54.8 - 30.0 24457 17 54.4 - 29 51 8.5

17 55.0 - 30.2 24536 17 57.2 - 29 52 7.8

17 57.1 - 30.0 24536 17 57.2 - 29 52 7.7

17 58.7 - 30.4 " " "

18 0.9 - 30.4 " " "

18 2.3 - 30.3 " " "

18 2.4 - 30.1 24676 18 2.5 - 30 0 7.4

18 4.0 - 30.1 Not in A.G.B.

18 7.8 - 30.0 " " "

18 5.1 - 30.0 " " "

18 6.0 - 30.1 " " "

18 8.6 - 29.9 24829 18 8.7 - 29 51 6.8

18 10.3 - 29.9 Not in A.G.B.

18 10.3 - 30.0 " " "

18 11.9 - 29.9 " " "

18 13.0 - 29.9 " " "

18 9.9 - 30.3 " " "

18 14.5 - 29.9 24987 18 14.6 - 29 53 2.8

-29 14164 17 46.4 - 29 49.4 9.2

-29 14183 17 47.1 - 29 47.2 8.7 3/6

-29 14196 17 47.6 - 29 57.1 8.5 3/6

-29 14217 17 48.4 - 29 49.8 8.5 3/6

-30 14959 17 48.4 - 30 10.2 7.7

-29 14223 17 48.7 - 29 53.9 8.5 3/6

-29 14312 17 52.2 - 29 49.2 8.7 3/6

-30 15101 17 53.3 - 30 9.2 9.1 3/6

-29 14414 17 55.6 - 29 51.3 7.6 2/6

-30 15194 17 57.0 - 30 13.9 8.4 3/6

-30 15253 17 59.4 - 30 11.0 8.9 3/6

-30 15285 18 0.7 - 30 10.0 8.9 3/6

-29 14594 18 2.5 - 29 55.1 8.7

-29 14612 18 3.3 - 29 55.9 8.3

-29 14623 18 3.7 - 29 52.6 9.1

-30 15381 18 4.4 - 30 23.8 8.0 3/6

-29 14747 18 8.7 - 29 47.7 8.8 3/6

-29 14752 18 8.8 - 29 53.7 8.7 3/6

-29 14781 18 10.1 - 29 45.2 8.7 3/6

-29 14799 18 11.2 - 29 43.8 8.9 3/6

-30 15474 18 8.3 - 30 9.7 8.8 3/6

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Plate 5184

V. H. C. Runt. ¹¹⁰ K line Int.

11.5 22.2 A.		N	1
11.5 23.7 F	721	K=H	3
12.3 66 F	722	K=H	1
12.8 70 A		K=H	2
12.7 7.8 A.		N	3
12.9 8.1 F	723	K=H	1
12.0 8.3 F	724	K=H	1
13.0 9.7 A.		N	1
12.7 9.8 A.		N	3
12.2 10.4 F	725	K=H	1
12.9 12.4 A.		N	1
12.4 10.9 A.		N	1
12.0 11.2 L		K=H	3
11.7 10.8 A.		N	3
11.4 11.1 A.		K=H	2
12.8 11.4 A.		N	2
12.2 14.1 G		K=H	4
12.9 14.8 A.		N	1
12.9 15.9 G.		K=H	3
12.4 17.6 A.		N	1
12.5 18.7 A.		K=H	1
13.0 22.6 A.		N	1
12.1 21.4 A.		N	1
12.4 22.6 F	726	K=H	1
12.6 23.1 F	727	K=H	2
13.6 7.8 A.		N	2
13.3 9.1 A.		N	2
13.8 10.1 A.		N	1

R.A. 1900	Dec.	A.G.B.	R.A. Dec.	Magn.	C.D.M.	R.A. Dec.	Magn.
18 18.0 - 30.0						-29 14904 18	16.5 - 29 504 8.4
18 21.5 - 29.9	25 157	18 21.4 - 29 52	6.2				
17 41.8 - 30.4						-30 14727 17	40.4 - 30 150 7.9
17 43.0 - 30.6	24 177	17 42.8 - 30 34	6.8				
	24 222	17 44.8 - 30 32	8				
17 45.0 - 30.6	24 223	17 44.8 - 30 32	7				
17 46.0 - 30.6	Not in A.G.B.					-30 14830 17	43.9 - 30 34.2 8.7
						14831 17	43.9 - 30 34.7 9.2
17 46.2 - 30.3	"	"				-30 14842 17	44.5 - 30 10.6 8.1
17 49.1 - 30.9	"	"				-30 14933 17	47.5 - 30 40.0 8.2
17 49.2 - 30.8	"	"				-30 14939 17	47.7 - 30 32.7 7.8
17 50.2 - 30.4	"	"				-30 14970 17	48.9 - 30 16.0 8.0
17 51.0 - 30.8	"	"				-30 14981 17	49.2 - 30 39.3 8.3
17 52.0 - 30.5	"	"				-30 15010 17	50.4 - 30 22.9 9.0
17 52.8 - 30.2	"	"				-30 15035 17	51.1 - 30 14.2 5.4
17 51.7 - 30.1	24 377	17 51.6 - 30 3	8.2				
17 52.4 - 30.0	Not in A.G.B.					-29 14278 17	50.8 - 29 54.7 8.8
17 53.1 - 30.8	"	"				-30 15040 17	51.3 - 30 38.8 9.0
17 59.2 - 30.4	24 596	17 59.4 - 30 25	2.8				
18 0.8 - 30.9	24 708	18 3.6 - 30 45	6.2			-30 15251 17	59.3 - 30 40.4 9.0
18 3.6 - 30.9	24 709	18 3.6 - 30 45	8.2				
18 7.6 - 30.5						-30 15414 18	5.9 - 30 27.4 9.0
18 9.8 - 30.6	24 870	18 10.1 - 30 27	7.8				
18 18.6 - 30.8	25 086	18 18.6 - 30 48	6.0				
18 16.2 - 30.4						-30 15604 18	14.8 - 30 11.5 8.4
18 19.1 - 30.4	25 098	18 19.1 - 30 18	7.5				
18 20.2 - 30.6	25 125	18 20.2 - 30 27	7.2				
17 44.9 - 31.0	Not in A.G.B.					-30 14799 17	43.0 - 30 55.6 7.9
17 48.1 - 31.0	"	"				-30 14859 17	46.1 - 30 52.3 8.7
17 49.7 - 31.2	"	"				-30 14892 17	46.1 - 30 50.2 8.7
						-31 14829 17	48.5 - 31 5.6 9.2

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R.A. 1900	Dec. 1900	Magn.	R.A. 1900	Dec. 1900	Magn.	R.A. 1900	Dec. 1900	Magn.
17 51.2 - 31.1		Not in A.G.B.				-30 14987 17	49.5 - 30 59.5	8.0
17 56.1 - 31.1	24507	17 56.3 - 30 58	8.2			-30 15136 17	54.7 - 30 57.7	8.0
17 54.2 - 31.1	24448	17 54.1 - 31.5	8.5					
17 58.0 - 31.0	24536	17 57.2 - 29.52	7.8					
17 59.8 - 31.4		Not in A.G.B.				-31 15091 17	58.1 - 31 14.7	8.7
18 1.5 - 31.1	24645	18 1.6 - 31 1	7.8					
18 2.3 - 31.3	24675	18 2.5 - 31 10	7.4					
18 3.9 - 31.3		Not in A.G.B.				-31 15190 18	2.3 - 31 7.8	8.7
18 6.3 - 31.1		" " "				-30 15390 18	4.8 - 30 58.4	8.6 3/6
18 8.7 - 31.1		" " "				-30 15439 18	6.9 - 30 51.8	9.0 3/6
18 9.6 - 31.4	24859	18 9.7 - 31 12	7.7			-31 15328 18	8.1 - 31 11.1	7.7
18 14.7 - 31.1	24991	18 14.8 - 31 0	7.4					
18 16.0 - 31.2		Not in A.G.B.				-30 15598 18	14.5 - 30 56.6	9.2
18 17.9 - 30.8	25071	18 18.0 - 30 44	7.8					
18 18.6 - 30.8	25086	18 18.6 - 30 48	6.0					
18 18.7 - 31.1		Not in A.G.B.				-30 15665 18	17.2 - 30 59.4	8.3 3/6
17 42.9 - 31.7	24169	17 42.7 - 31 40	5.5					
17 43.0 - 31.3		Not in A.G.B.				-31 14612 17	41.2 - 31 12.5	8.1 3/6
17 45.5 - 31.5		" " "				-31 14689 17	43.5 - 31 22.8	7.7 3/6
17 46.0 - 31.5		" " "				-31 14707 17	44.0 - 31 18.8	9.4 3/6
17 46.1 - 31.4	24245	17 45.8 - 31 19	7.5					
17 46.7 - 31.7		Not in A.G.B.				-31 14720 17	44.6 - 31 36.3	8.9 3/6
17 48.2 - 31.4		" " "				-31 14760 17	46.2 - 31 13.7	8.5 3/6
17 49.8 - 31.4		" " "				-31 14821 17	48.0 - 31 13.8	8.5
17 50.3 - 31.7		" " "				-31 14835 17	48.6 - 31 30.1	9.3 3/6
17 51.0 - 31.7		" " "				-31 14850 17	49.1 - 31 28.8	9.4 3/6
17 51.3 - 31.7		" " "				-31 14858 17	49.3 - 31 29.1	9.4 3/6
17 53.2 - 31.6		" " "				-31 14907 17	51.2 - 31 25.1	8.6

Mr. F. said take 1/2 of the stars

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Plate 3184

V He Cd. Run. ^N H-line Int.

15.0	12.2	^N H	734	K=H	1
14.3	12.5	A		K=H	1
14.5	12.6	A		N	1
14.8	13.5	A	735	N	2
14.5	14.2	A		N	2
15.0	14.5	H		N	1
14.6	16.0	H		N	1
14.2	16.7	A		N	1
14.4	17.5	A		N	1
14.4	17.9	A		N	2
15.0	18.1	A		K=H	2
14.2	18.6	A		K=H	2
14.2	19.0	A		N	2
14.2	19.6	A		N	1
14.3	20.3	A		K=H	2
14.9	20.3	A		N	1
14.6	23.1	H		N	1
15.0	23.4	A		N	1
14.2	23.8	H		K=H	1
15.0	24.1	E		K=H	1
15.6	7.2	A		K=H	1
15.1	7.3	A		N	1
15.6	8.8	H		K=H	2
15.6	10.6	B	736	N	2
15.5	11.0	A		N	1
15.2	11.1	A		N	1
15.5	12.1	A		N	1
15.6	12.5	A		N	2

R.A. 1900	Dec.	A.G.B.	A.A. Dec.	Magn.	C.D.M.	R.A. Dec.	Magn.	
17 55.3	-31.9	Not in A.G.B.			-31 14958 17 53.3	-31 44.2	8.5 $\frac{3}{6}$	
17 55.9	-31.6	" " "			-31 14976 17 54.0	-31 24.1	8.9 $\frac{3}{6}$	
17 56.2	-31.7	" " "			-31 14980 17 54.3	-31 28.9	9.0 $\frac{3}{6}$	
17 56.1	-31.8	" " "			-31 15036 17 56.1	-31 38.9	8.5 $\frac{3}{6}$	
17 59.8	-31.7	24604	17 59.6	-31 34	7.2			
18 0.5	-31.9				-31 15103 17 58.7	-31 45.3	8.3 $\frac{3}{6}$	
18 4.0	-31.6	24712	18 3.8	-31 33	8			
18 5.3	-31.5	Not in A.G.B.			-31 15229 18 3.9	-31 17.1	9.3	
18 7.4	-31.6	" " "			-31 15269 18 5.7	-31 22.4	8.9	
18 8.4	-31.6	" " "			-31 15292 18 6.8	-31 24.8	8.5 $\frac{3}{6}$	
18 8.9	-31.9	" " "			-31 15302 18 7.2	-31 46.4	8.0 $\frac{3}{6}$	
18 10.0	-31.5	24861	18 9.8	-31 21	7.5	-31 15331 18 8.2	-31 21.2	7.5 $\frac{3}{6}$
18 11.0	-31.5	24895	18 11.0	-31 31	8.8			
18 12.3	-31.4				-31 15381 18 10.7	-31 16.0	9.0 $\frac{3}{6}$	
18 14.0	-31.5	24975	18 13.9	-31 22	7.3			
18 14.0	-31.8				-31 15414 18 12.4	-31 35.9	9.2 $\frac{3}{6}$	
18 20.8	-31.6	25131 18 20.6	-31 26	7.5	-31 15538 18 19.0	-31 26.1	7.4 $\frac{3}{6}$	
18 21.2	-31.8	25148 18 21.1	-31 35	7.8	-31 15547 18 19.5	-31 35.8	8.1 $\frac{3}{6}$	
18 22.0	-31.4	25174 18 22.0	-31 11	7.5	-31 15564 18 20.4	-31 12.1	8.0 $\frac{3}{6}$	
18 23.2	-31.9	25198 18 22.8	-31 37	8	-31 15578 18 21.2	-31 38.2	7.8 $\frac{3}{6}$	
17 43.2	-32.1				-31 14615 17 41.4	-31 57.8	8.3 $\frac{3}{6}$	
17 43.9	-31.8				-31 14627 17 41.8	-31 39.7	8.5	
17 47.5	-32.1	24267	17 46.7	-32 0	7.3	-31 14733 17 45.1	-31 59.4	7.3 $\frac{3}{6}$
17 50.9	-32.1	24359	17 50.9	-32 2	8.0			
17 52.0	-32.1	Not in A.G.B.			-31 14889 17 50.4	-31 58.1	9.0 $\frac{3}{6}$	
17 52.0	-31.9	" " "			-31 14893 17 50.6	-31 47.2	8.6 $\frac{3}{6}$	
17 54.5	-32.1	" " "			-31 14953 17 53.1	-31 58.1	9.4	
17 56.0	-32.2	" " "			-32 13634 17 53.9	-32 3.6	8.5 $\frac{3}{6}$	

R.A. 1900 Dec. ²⁰ A.G.B.	R.A. 1900 Dec. ¹⁹⁰⁰ Mag. C.M.B.	R.A. Dec. ¹⁹⁰⁰ Mag.
17 59.8 - 32.1	not in A.G.B.	-31 15081 17 57.8 - 31 55.5 9.0 ³⁶
18 1.9 - 32.1	" " "	-31 15147 18 0.5 - 31 58.8 9.1 ³⁶
18 1.2 - 31.8	" " "	-31 15124 17 59.8 - 31 58.7 9.4
18 3.4 - 32.2 24701	18 3.5 - 32 10 7.5	
18 7.2 - 32.1 24789	18 7.1 - 32 0 7.2	
18 9.9 - 32.0	not in A.G.B.	-31 15326 18 8.1 - 31 55.4 9.4
18 11.3 - 31.9	" " "	-31 15351 18 9.4 - 31 49.9 9.0
18 13.1 - 32.2	" " "	-32 14005 18 11.3 - 32 6.4 9.0
18 15.0 - 32.3 24989	18 14.8 - 32 14 7.2	
18 15.6 - 32.2	not in A.G.B.	-32 14064 18 13.8 - 32 6.0 8.5 ³⁶
18 19.6 - 31.9 25106	18 19.4 - 31 48 7.5	
18 21.5 - 32.3 25150	18 21.2 - 32 10 8	
17 41.8 - 32.8	24139 17 41.7 - 32 38 7.2 not in A.G.B.	-32 13346 17 40.1 - 32 37.0 7.3 ³⁶
17 49.3 - 32.5 24327	17 49.7 - 32 27 7.0	
17 50.2 - 32.8 24340	17 50.2 - 32 40 7.2	
17 52.0 - 32.5	not in A.G.B.	-32 13565 17 50.2 - 32 23.3 9.0 ³⁶
17 54.9 - 32.9 24462	17 54.7 - 32 44 8.8	-32 13617 17 53.1 - 32 43.4 8.5 ³⁶
17 55.5 - 32.9	" " "	-32 13623 17 53.5 - 32 42.4 8.7 ³⁶
17 57.6 - 32.6	" " "	-32 13679 17 56.0 - 32 31.1 9.3
18 0.0 - 32.8 24602	17 59.6 - 32 40 8.2	-32 13731 17 58.0 - 32 39.5 8.4 ³⁶
17 59.9 - 32.5	" " "	-32 13739 17 58.5 - 32 23.5 8.6 ³⁶
18 3.4 - 32.8 24698	18 3.4 - 32 44 7.0	
18 4.7 - 32.5	not in A.G.B.	-32 13852 18 3.5 - 32 25.6 8.5 ³⁶
18 5.2 - 32.9	" " "	-32 13858 18 3.8 - 32 40.3 8.3 ³⁶
18 8.0 - 32.7	" " "	-32 13910 18 6.2 - 32 34.0 8.7 ³⁶
18 9.1 - 32.5 24846	18 9.1 - 32 23 8	
18 10.5 - 32.6	not in A.G.B.	-32 13960 18 8.8 - 32 24.1 9.0 ³⁶
18 12.0 - 32.7	" " "	-32 13980 18 10.1 - 32 30.0 8.9 ³⁶

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R.A. 1900	Dec. 1900	Mag.	R.A. Dec. 1900	Mag.	R.A. Dec. 1900	Mag.
18 13.7 - 32.7			Not in A.G.B.		32 14018 18 12.0 - 32 234 8.5	
18 13.8 - 32.6			" " "		-32 14024 18 12.1 - 32 234 8.3	marked by this star
18 14.0 - 32.6			" " "		-32 14037 18 12.4 - 32 237 8.0	B 16 4 99
18 15.1 - 32.5			" " "		32 14054 18 13.3 - 32 17.8 8.9	
18 18.1 - 32.5	25074	18 18.1 - 32 20 7.2			-32 14115 18 16.5 - 32 204 7.5	? Does star above support
18 21.9 - 32.8	25163	18 21.6 - 32 32 8.5			-32 14171 18 20.0 - 32 322 8.0	
17 43.1 - 33.1		" " "			-32 13379 17 41.3 - 32 553 8.2	
17 44.9 - 33.1		" " "			-32 13411 17 42.9 - 32 571 8.0	
17 49.2 - 33.2		" " "			-33 12629 17 47.7 - 33 62 8.5	
17 51.8 - 33.1		" " "			-32 13558 17 50.0 - 32 576 9.4	
17 56.5 - 32.9	24539	17 57.2 - 32 52 8.8			-33 12779 17 55.8 - 33 134 8.3	
17 57.5 - 33.3		Not in A.G.B.			-33 12781 17 55.9 - 33 04 8.3	
17 57.6 - 33.1		" " "			-32 13690 17 56.4 - 32 597 8.7	
17 58.1 - 33.2	24555	17 58.0 - 33 0 8			-33 12852 18 1.2 - 33 148 7.7	
18 2.7 - 33.3	24686	18 2.8 - 33 15 7.5			-33 12975 18 5.8 - 33 150 8.3	
18 7.5 - 33.4		" " "			-32 13914 18 6.4 - 32 583 9.0	
18 8.1 - 33.1		" " "			-33 12990 18 6.5 - 33 97 8.3	
18 8.1 - 33.3		" " "			-33 13029 18 8.3 - 33 94 9.0	
18 9.1 - 33.2	24845	18 9.1 - 33 8 8			-32 13968 18 9.1 - 32 590 8.0	
18 9.8 - 33.3		Not in A.G.B.			-32 13970 18 9.4 - 32 473 9.0	
18 10.6 - 33.1	24883	18 10.7 - 32 59 8.5			-33 13082 18 11.4 - 33 43 8.5	
18 11.2 - 32.9					-33 13191 18 17.2 - 33 103 9.3	
18 13.3 - 33.2					-32 14133 18 17.7 - 32 542 8.5	
18 19.1 - 33.2					-32 14147 18 18.5 - 32 589 8.5	
18 19.5 - 33.0					-32 14201 18 21.4 - 32 519 8.3	
18 20.4 - 33.1					-33 13270 18 21.8 - 33 71 7.7	
18 23.4 - 33.0						
18 23.9 - 33.3	25224	18 23.4 - 33 7 7.9				

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V 16 Cl. Rem. Kline Int.

18.3	10.4	A	N	2
18.8	11.5	A	N	1
18.3	11.6	A	N	3
19.0	12.6	A	N	2
18.6	15.4	\overline{D}	341 K=H	1
18.9	15.9	A	N	1
18.1	15.5	A	N	1
18.1	16.4	\overline{D}	342 K=H	2
19.0	16.2	B	343 N	3
18.7	17.9	E	K=H	1
19.0	18.3	G	K=H	1
18.4	19.1	A	N	2
18.3	20.4	A	N	2
18.8	20.6	H	N	1
18.3	21.9	A	N	1
18.6	23.1	G	K=H	2
18.6	23.4	A	N	1
19.0	24.0	A	N	1
19.0	24.1	A	N	2
19.5	6.7	G	K=H	2
19.2	8.1	A	N	1
19.0	7.8	A	N	2
19.7	8.7	F	K=H	2
19.1	8.9	A	N	1
19.3	9.5	A	N	2
19.5	9.5	A	N	1
19.2	9.8	A	N	1
19.9	9.7	A	N	2

R.A. 1900. Dec. A.G.C.				R.A. Dec. Magn. C.M.B. R.A. Dec. Magn.							
17	50.8	-33.5	24341	17	50.4	-33.23	8.5				
17	53.2	-33.8	24422	17	53.4	-33.53	7.8				
17	53.4	-33.5	24423	17	53.3	-33.24	7.5				
17	56.0	-33.8						-33	12750	17	54.0 -33 45.78.0 36
17	2.3	-33.8	24673	18	2.5	-33.35	8.5	-33	12874	18	0.9 -33 34.88.3 36
18	3.6	-33.8						-33	12877	18	1.0 -33 18.39.3 36
18	2.2	-33.4						-33	12908	18	2.1 -33 41.29.0
18	4.5 ⁶	-33.4	24732	18	4.8	-33.21	7.5				
18	4.4	-33.8	24723	18	4.3 ⁴	-33.49	6.5				
18	8.4	-33.6						-33	12995	18	6.8 -33 38.08.5 36
18	9.5	-33.8	24853	18	9.5	-33.48	7.8	-33	12996	18	6.8 -33 30.09.4
18	11.5	-33.5	24901	18	11.2	-33.26	7				
18	14.5	-33.5	24983	18	14.3	-33.23	7.5				
18	15.4	-33.7	24996	18	14.9	-33.35	8	-33	13113	18	13.3 -33 34.58.0 36
18	18.0	-33.5						-33	15174	18	16.3 -33 20.08.4
18	21.1	-33.6	25141	18	20.9	-33.28	7	-33	13225	18	19.3 -33 28.77.3 36
18	21.8	-33.6						-33	13239	18	20.0 -33 25.18.5
18	23.5	-33.8	25210	18	23.1	-33.34		-33	13262	18	21.5 -33 34.78.5 36
18	23.9	-33.8	25222	18	23.4	-33.33	8	-33	13269	18	21.8 -33 34.48.0 36
17	41.0	-34.1	24121	17	41.4	-33.58	7.2	-33	12476	17	39.7 -33 57.47.3 36
			24123	17	41.4	-33.59	8	-33	12477	17	39.7 -33 58.49.0 36?
17	44.4	-33.9						-33	12540	17	43.1 -33 47.58.3 36
17	44.0	-34.3						-34	12134	17	42.5 -34 10.18.5 36
17	46.0	-34.1	24253	17	46.2	-34.6	7				
17	46.4	-33.8						-33	12579	17	45.1 -33 43.98.9 36
17	48.0	-33.8						-33	12609	17	46.4 -33 52.97.7 36
17	48.0	-34.0						-33	12608	17	46.4 -33 55.68.0 36
17	50.2	-34.1	24316	17	49.0	-33.48	8.5	-33	12623	17	47.3 -33 48.09.0 36
17	50.0	-34.5	24334	17	50.1	-34.30	8.2				

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8 16 Cl. Rem. Kline Int.

20.0 10.0 A	N	2
19.9 10.5 A	N	1
19.4 10.8 A	N	2
19.3 11.6 A	344 N	1
19.5 12.1 H	N	1
19.9 12.9 A	N	1
19.5 13.4 J	K-H	2
20.0 14.3 A	N	2
19.9 14.9 H	N	1
19.6 15.4 A	N	1
19.3 16.1 H	K-H	2
19.6 16.6 A	N	2
20.0 17.4 A	N	2
19.7 18.9 A	N	3
19.2 19.2 A	N	1
19.6 22.4 A	N	2
19.7 23.9 A	N	2
20.4 6.1 A	N	1
20.8 6.1 A	N	2
20.2 6.6 A	N	3
20.7 6.8 A	N	2
20.5 7.7 A	N	2
20.7 8.1 A	N	1
20.6 8.3 A	N	1
20.3 8.5 J	K-H	3
20.2 8.6 A	N	1
20.4 8.8 A	N	1
21.0 8.5 A	N	3

RA. ¹⁹⁰⁰ Dec. ²⁰⁰ Δ δ	RA. ¹⁹⁰⁰ Dec. ²⁰⁰ Δ δ	Magn. C.M.B.	RA. Dec. Magn.
17 51.0 - 34.6			-34 12277 17 47.6 - 34 15.6 8.5 γ
17 52.3 - 34.5			-34 12297 17 48.9 - 34 14.0 9.0 γ
17 53.0 - 34.3 ³ 24369	17 51.4 - 33 56	8.5	-33 12661 17 49.7 - 33 55.7 8.5 γ
17 55.1 - 34.2 24422	17 53.4 - 33 53	7.8	-33 12697 17 51.7 - 33 52.9 8.3 γ
17 54.2 - 34.0 24441	17 54.0 - 33 54	9.5	
17 55.8 - 34.3			-34 12386 17 54.1 - 34 10.7 8.9 γ
17 57.3 - 34.1 24545	17 57.6 - 34 3	7.5	
17 59.8 - 34.3 24608	17 59.7 - 34 19	8.2	
18 1.0 - 34.3			-34 12486 17 59.4 - 34 14.9 8.3 γ
18 2.5 - 34.1			*-34 12522 18 0.9 - 34 18.9 9.5 γ
18 4.1 - 34.0 24717	18 4.1 - 33 56	7.2	
18 5.2 - 34.2 24746	18 5.5 - 34 6	7.5	
18 7.2 - 34.4			-34 12610 18 5.7 - 34 19.2 8.0 γ
18 11.2 - 34.2 24893	18 11.0 - 34 9	var.	
18 12.0 - 33.9			-33 13057 18 10.0 - 33 49.1 8.8 γ
18 19.3 - 34.0 25104	18 19.3 - 34.0	6.8	
18 23.2 - 34.1 25206	18 23.1 - 34 0	7.8	
17 40.1 - 34.4 24072	17 40.0 - 34 19	9	
17 40.1 - 34.7 25609	17 39.3 - 34 41	8.2	
17 41.3 - 34.4 24118	17 41.2 - 34 17	7	
17 45.7 - 34.7			-34 12080 17 39.9 - 34 32.1 8.5 γ
17 44.0 - 34.5 ⁶ 24196	17 ^{43.7} - 34 27 ⁸		
	17 44.1 - 34 28	8.8	
17 45.2 - 34.6			-34 12144 17 43.1 - 34 30.5 9.0 γ
17 45.4 - 34.6			-34 12152 17 43.5 - 34 30.5 8.7 γ
17 45.5 - 34.4 24242	17 45.7 - 34 24	7.1	-34 12170 17 44.0 - 34 22.8 7.1 γ
17 45.7 - 34.4 24242	17 45.7 - 34 24	7.1	
17 46.4 - 34.7 ³ 24362	17 ^{46.7} - 34 42 ^{7.8}		
	17 46.3 - 34 40	8	
17 45.2 - 34.8 24236	17 46.3 - 34 46	8.2	

CO. M. - 34 12530 18 1.2 - 34 1.5 according to Chart Plate 1744 is south instead of north of
 * - 34 12530 18 1.2 - 34 1.5 according to Chart Plate 1744 is south instead of north of
 CO. M. - 34 12530 18 1.2 - 34 1.5 according to Chart Plate 1744 is south instead of north of

Plate 5184

R.A. 1900.	Dec.	^{mag} A.G.C.	R.A. 1900.	Dec.	^{mag} A.G.C.	R.A. 1900.	Dec.	^{mag} A.G.C.	R.A. 1900.	Dec.	^{mag} A.G.C.
17 46.3 ⁴	-34.7	24 269	17 46.9 ⁴	-34 40	8						
17 46.4 ⁶	-34.8	24 270	17 47.1	-34 46	8						
17 47.3	-34.7	24 275	17 47.3	-34 43	7.5						
17 47.4	-34.7										
17 47.5	-34.7	24 285	17 47.6	-34 42	7.5						
17 47.3	-34.5										
17 47.7	-34.9	24 290	17 47.7	-34 51	8						
17 47.8	-34.5										
17 48.0	-34.6	24 298	17 48.2	-34 31	7.5						
17 48.2	-34.8										
17 49.9	-34.5										
17 50.1	-34.5										
17 50.6	-34.8										
17 50.0	-34.8										
17 58.4	-34.7										
17 59.6	-34.5										
17 1.6	-34.5										
18 4.0	-34.6										
18 4.8	-34.5										
18 5.1	-34.7										
18 7.4	-34.7	24 804	18 7.5	-34 38	8						
18 8.6	-34.7	24 831	18 8.8	-34 38	7.2						
18 11.9	-34.8	24 918	18 11.9	-34 44	7.2						
18 17.7	-34.4	25 058	18 17.5	-34 23	7.5						
18 18.1	-34.4	25 061	18 17.6	-34 25	7.5						
18 23.0	-34.8	25 195	18 22.8	-34 36	8.2						
17 39.5	-35.1										
17 40.9	-35.4										

-34 12217 17 45.4-34 46.2 8.3 ?
 -34 12219 17 45.4-34 45.0 7.7 1/2

-34 12229 17 45.7-34 297 9.6

-34 12244 17 46.1-34 269 7.3 1/2

-34 12253 17 46.5-34 306 7.4 2/6

-34 12254 17 46.5-34 440 8.8

-34 12283 17 48.1-34 283 9.0 3/6

-34 12289 17 48.4-34 300 8.5 2/6

-34 12293 17 48.6-34 440 9.0 3/6

-34 12284 17 48.1-34 440 9.2

-34 12441 17 57.0-34 429 8.8 3/6

-34 12463 17 58.1-34 302 8.5 3/6

-34 12504 18 0.1-34 312 8.3

-34 12543 18 2.2-34 333 8.5 3/6

-34 12568 18 3.7-34 373 8.5 3/6

-34 12564 18 3.5-34 248 9.0 3/6

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V Hb Cl. Run. ^{Nr.} Kline Int.

22.7 7.1 A	N	2
22.6 8.0 A	N	2
21.1 8.3 A	N	2
21.5 8.5 A	N	1
21.4 8.6 A	N	1
21.5 8.8 A	N	2
21.6 9.0 A	N	2
21.2 9.2 A	N	2
21.2 9.4 A	N	2
21.7 9.6 A	N	1
21.8 9.7 A	N	1
21.6 10.0 A	N	1
21.6 10.1 A	N	2
21.9 10.4 A	N	2
21.3 10.6 A	N	1
21.5 12.3 A	N	1
21.1 13.1 A	N	1
21.7 13.5 A	N	1
21.5 14.9 A	N	1
21.4 15.7 A	N	1
21.5 16.4 A	N	2
21.8 16.6 A	N	1
21.9 16.9 A	N	1
21.3 17.2 A	N	1
21.6 17.9 H	N	1
22.0 18.3 H	N	1
21.6 19.2 A	N	1
21.1 19.6 E	K=H	1

R.A. 1900	Dec. 1900	Magn.	R.A. 1900	Dec. 1900	Magn.	R.A. 1900	Dec. 1900	Magn.
17 42.0-35.2	24 121 17 42.1-35.2	4.5	not in A Gb			-34 12102 17 40.4-34 59.9 7.7	26	
17 44.2-35.2	24 214 17 44.4-35.3	8				-35 11977 17 42.7-35 16.8 8.0	26	
17 45.0-34.9	24 239 17 45.5-34.52	9						
17 45.2-35.1						-34 12162 17 43.8-34 57.2 8.8	26	
17 45.9-35.0	24 256 17 46.3-35.0	7.2				-34 12179 17 44.3-34 53.6 8.7		
17 46.1-35.2	24 256 17 46.3-35.0	7.2				-34 12187 17 44.6-34 58.4 7.4	26	
17 46.3-35.3	not in A Gb					-34 12201 17 45.0-34 58.4 7.7	26	
17 47.8-35.0	24 290 17 47.7-34.51	8						
17 47.8-34.9	24 294 17 47.9-34.50	8.5						
17 48.1-35.2	not in A Gb					-35 12053 17 46.5-35 40.8 8.5	26	
17 48.4-35.2						-35 12056 17 46.8-35 7.7 8.7	26	
17 49.3-35.3	24 320 17 49.4-35.1	8				-35 12067 17 47.7-35 0.7 8.5	26	
17 49.6-35.3	24 322 17 49.5-35.1	7.2				-35 12070 17 47.8-35 1.0 7.2	26	
17 50.3-35.3	24 335 17 50.1-35.1	8				-35 12084 17 48.4-35 10.4 8.3	26	
17 51.0-35.0	not in A Gb					-34 12304 17 49.1-34 54.4 9.1		
17 55.3-35.1	24 465 17 54.9-35.0	8.8				-35 12169 17 53.2-35 0.1 8.3	26	
17 56.6-34.8						-34 12404 17 55.1-34 52.4 8.5	26	
17 57.4-35.1	24 465 17 54.9-35.0	8.8				-35 12218 17 56.0-35 6.1 8.3		
18 1.2-35.0	24 626 18 0.8-35.0	8.5						
18 4.0-34.5						-34 12535 18 1.6-34 53.4 8.7	26	
18 5.0-35.2	24 736 18 5.0-35.3	7.8				-35 12357 18 3.3-35 2.9 7.5	26	
18 5.5-35.3	not in A Gb					-35 12368 18 3.8-35 7.9 9.0	26	
18 6.2-35.4						-35 12379 18 4.5-35 14.1 8.5	26	
18 7.2-35.0						-34 12601 18 5.3-34 56.4 8.0	26	
18 8.5-35.2	24 814 18 8.2-35.7	7.8						
18 9.8-35.4	24 856 18 9.6-35.7	8.0				-35 12436 18 7.9-35 16.6 8.0	26	
18 13.0-34.9						-35 12472 18 10.0-35 0.0 9.1		
	24 938 18 12.7-34.47	8.5				-34 12705 18 11.0-34 47.1 7.7		

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H & H Col. Run^{N₂} Kline Int.

21.2 19.9 A	N	2
22.3 7.4 A	N	2
22.6 7.9 A	N	2
22.2 8.0 A	N	2
22.1 8.4 A	N	2
22.7 8.8 A	K=H	3
22.5 9.5 A	N	1
22.8 11.8 A	N	1
22.2 12.2 A	N	1
22.8 12.6 A	N	2
22.6 12.9 A	N	1
22.7 13.0 A	N	1
22.3 13.7 A	N	1
22.7 15.7 A	N	1
22.6 15.8 A	N	1
22.8 16.1 A	N	2
22.4 20.0 A	N	3
22.4 22.7 A	N	1
23.4 6.9 A	N	2
23.3 9.3 A	N	1
23.5 10.9 A	N	2
23.2 13.7 J	K=H	2
23.4 14.3 J	K=H	3
24.0 21.2 J	K=H	2
23.7 22.0 J	K=H	2
23.8 22.8 A	N	2
23.8 23.1 A	N	1
24.6 9.1 A	N	1

1900 Dec. ^{Magn.} A.B.				1905 Dec. ^{Magn.} C.D.M.				1905 Dec. ^{Magn.} P.A.				
18	13.9	-34.9	24963 18	13.5	-34.4	49	8	-34	12720	18	11.8	-34 49.0 8.0 ³⁶
17	43.0	-35.7	24171 17	42.8	-35	21	7.5	-35	11954	17	41.1	-35 196 7.5 ³⁶
17	44.3	-35.9	" " "	" " "	" " "	" " "	" " "	-35	11974	17	42.4	-35 296 7.7 ³⁶
17	44.4	-35.7	24217 17	44.4	-35	19	7.8	-35	11979	17	42.7	-35 186 7.5 ³⁶
17	45.0	-35.5	24232 17	45.2	-35	21	7.5	-35	11992	17	435	-35 196 7.5 ³⁶
17	44.0	-35.7	24255 17	46.3	-35	36	7	-35	12013	17	446	-35 353 7.1 ³⁶
17	48.0	-35.7	" " "	" " "	" " "	" " "	" " "	-35	12047	17	462	-35 278 9.5
17	53.6	-35.8	" " "	" " "	" " "	" " "	" " "	-35	12061	17	472	-35 424 9.1 ³⁶
17	54.9	-35.4	" " "	" " "	" " "	" " "	" " "	-35	12159	17	528	-35 189 8.5 ³⁶
17	56.0	-35.7	24512 17	56.5	-35	37	8	-35	12194	17	548	-35 37.4 8.3 *
17	57.6	-35.8	24518 17	56.7	-35	43	9	-35	12232	17	566	-35 256 8.3 ³⁶
17	57.0	-35.8	24512 17	56.5	-35	37	8					
17	58.1	-35.5										
18	3.5	-35.7	24680 18	2.7	-35	43	8					
18	3.6	-35.6	24716 18	4.1	-35	30	8.5					
18	9.2	-35.8	24838 18	9.1	-35	49	9.5					
18	14.0	-35.6	24965 18	13.6	-35	29	7.2					
18	20.5	-35.5	25122 18	20.3	-35	23	8.5					
17	41.3	-36.0	24128 17	41.5	-35	53	7.5					
17	47.6	-36.0						-35	12034	17	458	-35 512 8.3 ³⁶
17	51.3	-36.1	24363 17	51.2	-35	59	7					
17	58.1	-35.9	24557 17	58.1	-35	54	6.4					
17	55.5	-36.1						-36	12214	17	580	-36 196 4 ³⁶
18	16.6	-36.4	25037 18	16.7	-36	18	6.2					
18	18.3	-36.1	25084 18	18.6	-36	2	6.7					
18	20.3	-36.1	25130 18	20.7	-36	4	7.5					
18	21.1	-36.1	25154 18	21.4	-36	2	8					
17	46.1	-36.6	24264 17	46.7	-36	29	7.8					

*According to Chart Plate B 17444 this star is 1' south of dec. given in C.D.M. A.B. & C.P. Dague in this plate.

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Plate 5184

to the C. l. Rem Kline Int.

24.3 9.4 A	N	1
24.4 9.7 A	N	3
24.2 12.4 A	N	3
24.2 12.6 A	N	2
24.6 14.0 A	N	2
24.7 14.6 A	N	1
24.2 15.2 A	N	1
24.5 16.8 A	N	1

Plate 3721 R.A. $22^h 42^m$ Dec. -31.7

4.9 7.6 L	K=H	2
4.2 10.8 F 746	K=H	1
4.5 15.1 G	K=H	2
5.0 19.5 F 747	K=H	1
5.8 6.1 A	N	2
7.0 7.1 A	K=H	3
6.7 12.0 A	N	5
7.2 12.3 A	N	1
7.7 15.4 F	K=H	2
7.1 22.7 A	K=H	2
8.9 13.1 A	N	1
10.0 7.1 G	K=H	1
9.2 11.6 A	N	2
9.2 11.7 E	K=H	2
7.5 12.6 B	N	1
8.7 16.7 A	N	1
10.7 10.7 F 748	K=H	1

R.A. ¹⁹⁰⁰ Dec. ²⁰ A.G.L. R.A. ¹⁹⁰⁰ Dec. ¹⁹⁰⁰ Mag. E.D.M. R.A. ¹⁹⁰⁰ Dec. ¹⁹⁰⁰ Mag.

17 47.7-36.5 -36 1199517 45.9-36 20.5 8.4

17 48.3-36.5 24301 17 48.4-36 27 6.8

17 55.2-36.4 24469 17 55.1-36 22 6.5

17 55.6-36.4 24481 17 55.4-36 21 7.2

17 59.0-36.6 24582 17 59.0-36 35 7.8

18 0.2-36.6 24613 18 0.3-36 37 8.2

18 1.9-36.4

18 6.0-36.7 24758 18 5.9-36 30 8.2

-36 1225618 0.1-36 20.3 9.0

22 25.4-26.6 30695 22 25.3-26 33 6.7

22 32.8-26.3 30844 22 32.7-26 10 7.8

22 42.5-26.5 31046 22 42.5-26 26 6.5

22 52.4-26.7 31222 22 52.4-26 42 8.8

22 22.0-27.1 30631 22 22.1-26 55 7.1

22 24.3-27.7 30670 22 24.2-27 37 6.3

22 35.3-27.6 30889 22 35.1-27 34 4.3

22 36.2-27.9 30899 22 35.9-27 47 8

22 43.1-28.1 31056 22 43.0-28 5 6.8

22 59.6-27.7 31358 22 59.5-27 41 7.0

22 38.0-28.8 30929 22 37.6-28 40 8.2

22 24.2-29.4 30666 22 23.8-29 10 7.2

22 32.2-28.9 30870 22 34.2-28 50 6.5 -28 17873 22 32.8-28 58.3 6.5

22 32.3-28.9 30873 22 34.2-28 52 7.8 -28 17874 22 32.8-28 59.1 7.5

22 48.0-29.0 31140 22 48.0-28 57 8

22 50.5-28.7

-28 17994 22 49.2-28 41.4 8.4

22 31.8-29.8 30833 22 32.1-29 34 8

November 30, 1892

Plate 3721

8 Ho Cl. Rim. Rhine Lint.

Meas assumed to be
9.9 18.9 ?

10.1	11.2	J	1	K-H	2
9.9	8.9	a		N	1
11.3	21.0	K		K-H	3
10.4	24.1	G		K-H	3
11.9	9.0	a		K-H	2
11.2	12.8	Hia		N	2
11.6	16.6	G		K-H	3
11.6	19.4	a		N	5
11.5	20.2	a		K-H	3
12.7	7.1	H		N	1
12.4	11.6	Hia		N	1
12.6	23.4	H	749	K-H	2
13.6	12.0	J		K-H	2
13.5	22.0	G		K-H	1
14.7	8.0	a		N	2
14.9	15.7	a		N	1
14.9	21.7	H	750	K-H	1
15.8	6.5	H	751	K-H	1
15.8	10.4	J		K-H	3
15.8	12.5	a		N	1
15.7	13.1	E		K-H	1
15.7	18.6	K		K-H	2
15.6	18.8	K		K-H	2
16.8	9.4	a		N	3
16.4	12.3	J		K-H	2
16.4	23.5	H	752	K-H	1
17.2	8.3	a		N	4
17.8	12.1	H		N	1

1892

No. 1900 1900

R.A. 1900 Dec. F.G.C R.A. Dec. Magn. C.D.M. R.A. Dec. Magn.

22 32.4-29.3 31198 22 51.0-29.8 8 -29 18414 22 31.8-29 23868 na
 22 Ask Am. T. -29 18504 22 49.6-29 16.3 8.0 9.6

22 55.8-29.4 31288 22 55.9-29 23 5.9

23 3.4-29.4 31414 23 3.0-29 22 6.0

22 28.0-30.3 30752 22 27.9-30 10 7

22 36.8-29.9 30917 22 36.8-29 53 6.5

22 43.7-30.1 31069 22 43.7-30 4 8.5

22 52.2-30.2 31213 22 52.1-30 9 1.4

22 53.9-30.0 31247 22 54.2-30 0 5.9

22 23.4-30.7 30655 22 23.6-30 30 7.5

22 34.2-30.5 -30 19248 22 33.1-30 3597.5 3.6

23 1.7-30.6 31392 23 1.6-30 35 6.7

22 34.9-31.2 30884 22 34.8-31 10 6.3

22 58.1-30.9 31336 22 58.3-30 59 7.0

22 25.0-31.6 30694 22 25.3-31 32 7.8

22 43.6-31.8 31068 22 43.7-31 44 8.2

22 57.6-31.7 31320 22 57.7-31 41 8

22 21.5-32.2 30627 22 21.8-32 3 8

22 31.1-32.2 30810 22 31.0-32 11 6.1
 30811 9 7.3

22 36.0-32.2 -32 17198 22 34.4-32 16.5 8.5

22 37.4-32.2 -32 17211 22 35.9-32 16.5 7.7

22 50.5-32.2 31180 22 50.4-32 10 6.5

22 57.0-32.1 31192 22 50.8-32 6 6.8

22 28.2-32.7 30762 22 28.4-32 39 6.8

22 35.5-32.5 30890 22 35.2-32 30 7.8

23 2.5-32.4 -32 17395 22 0.7-32 28.0 8.0 3.6

22 25.8-32.9 30704 22 25.8-32 51 4.8
 30705 52 7

22 35.0-33.3 30882 22 34.7-33 9 8

November 30, 1892

Plate 3721

V Ho Cl. Rem. ^{Nr.} Hline Int.

17.8 14.9 E	K=H	1
18.0 16.1 A	K=H	2
18.0 15.1 A	N	4
17.5 18.6 G	K=1/2 H	4
18.6 11.5 A	N	3
18.7 14.9 G	K=H	2
18.9 19.3 F 753	K=H	1
18.3 22.2 F 754	K=H	1
19.4 11.1 A	N	2
19.2 14.1 A	N	1
20.2 7.3 F 755	K=H	1
20.9 15.0 K	K=H	2
21.0 23.3 F 756	K=H	1
21.9 9.7 H	N	1
22.0 15.0 H	N	1
22.0 15.5 A	N	2
21.8 17.0 A	N	1
22.9 9.3 H	N	1
22.8 12.0 H	N	1
22.4 15.9 A	N	2
22.0 21.7 A	N	3
23.5 19.6 F 757	K=H	2
24.2 16.9 A	N	2

R. C.

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No. 1900 1900

R.A. 1900 Dec. A.G.C. R.A. Dec. Magn. C.D.M. R.A. Dec. Magn.

22 41.6-33.3 31019 22 41.5-33° 12' 7.5
 22 44.4-33.4 31083 22 44.4-33 20 6.6
 22 47.4-33.5 31123 22 47.0-33 24 4.6
 22 50.5-33.1 ³¹¹⁸³₃₁₁₈₄ 22 50.4-33 4 9
 22 33.3-33.7 30855 22 33.2-33 36 5.9
 22 41.4-33.8 31010 22 41.3-33 42 7.0
 22 52.4-33.9 -33 16319 22 50.9-33 51.979 ³⁶
 22 59.6-33.5 31352 22 59.2-33 21 8
 22 32.4-34.1 30836 22 32.3-33 59 7.2
 22 40.0-34.0 30973 22 39.7-33 53 8.5
 22 23.2-34.5 ³⁰⁶⁴⁴₃₀₆₆₀ 22 22.9-34 17 7.8
 22 41.6-34.8 31024 22 41.7-34 41 6.5
 23 2.0-34.9 31402 23 2.0-34 45 7.8
 22 29.0-35.2 30767 22 28.7-35 11 7.0
 22 42.0-35.6 31027 22 41.8-35 21 7.2
 22 43.4-35.5 31070 22 43.8-35 31 8.2
 22 47.0-35.4 31118 22 46.6-35 10 8
 22 27.5-35.7 30742 22 27.5-35 39 7.1
 22 34.8-35.7 30876 22 34.3-35 41 7.5
 22 44.0-35.5 31070 22 43.8-35 31 8.2 -35 15529 22 42.4-35 38.378 ³⁶
 22 58.0-35.4 31327 22 58.0-35 17 5.3
 22 53.0-36.1 31231 22 53.0-36 3 6.4
 22 46.1-36.5 31110 22 46.1-36 25 7.0

December 1, 1892

Plate 5276

[illegible]

1898

	1900	No.	1900	1900	
R.A.	Dec	A.G.	R.A.	Dec	Magn.
18 49.4	-26.4	25874	18 49.1	-26.25	2.4
18 39.4	-27.1	25614	18 39.4	-27.6	3.7
18 41.6	-27.2				
			-27 13219	18 40.1	-27 13.6 8.5
18 44.4	-27.0	25750	18 44.4	-26.53	7.5
18 46.3	-26.8	25810	18 46.3	-26.46	6.8
18 48.7	-27.1	25860	18 48.4	-27.1	8
19 2.0	-27.1	26174	19 2.0	-27.0	7.2
		26176			
18 25.5	-27.4	25292	18 26.0	-27.17	7.8
18 35.8	-27.7				
			-27 13097	18 34.0	-27 33.9 8.2 00.
18 39.9	-27.7	25625	18 39.8	-27.37	7.0
18 43.5	-27.4	25722	18 43.4	-27.14	7.8
18 45.3	-27.4	25777	18 45.2	-27.16	7.2
19 0.0	-27.6	26107	19 0.1	-27.26	7.2
18 33.2	-28.3	25449	18 32.9	-28.16	7.5
18 36.7	-27.9				
			-27 13119	18 35.1	-27 46.3 8.4 00.
18 47.0	-28.0	25826	18 46.9	-27.52	7.8
18 53.5	-28.4	25965	18 53.8	-28.11	7.8
18 54.5	-27.9				
			-27 13447	18 52.7	-27 49.2 8.0 36.
19 0.6	-27.9	26149	19 0.7	-27.49	3.6
18 28.0	-28.5				
			-28 14712	18 26.3	-28 26.1 8.0
18 31.0	-28.6	25399	18 30.8	-28.36	7.0
18 35.0	-28.4	25502	18 34.8	-28.21	8.8
18 39.0	-28.5	25603	18 38.9	-28.20	8.5
19 41.5	-28.5	25664	18 41.3	-28.24	7.2
19 50.1	-28.4				
			-28 15164	18 48.1	-28 17.2 7.5 36.
19 24.0	-29.0	25248	18 24.2	-28.51	7.8
18 25.2	-28.8	25282	18 25.6	-28.35	8.2
18 35.2	-28.9				
			-28 14869	18 33.4	-28 56.7 7.8 36.

December 1, 1892

Plate 5276

V Hb Cl. Run. ^{no} Kline Int.

9.6 10.4 A	N	1	18
9.4 12.2 F 760	K=H	2	18
9.7 12.3 A	K=H	1	18
9.5 17.6 A	N	1	18
9.4 18.4 A	N	1	18
9.3 21.7 S	K=H	2	19
10.2 6.3 G	K=H	2	18
10.7 8.6 F 761	K=H	1	18
11.0 9.2 F 762	K=H	1	18
10.4 10.1 A	N	1	18
10.4 10.2 A	N	1	18
11.0 10.7 A	N	1	18
11.0 11.2 A	N	1	18
10.8 12.5 E	K=H	1	18
10.9 12.7 Ma	N	2	18
10.3 15.2 S	K=H	3	18
10.2 16.4 G	K=H	2	18
10.7 16.7 A	K=0.2H	2	18
10.6 19.4 A	N	1	18
10.1 20.9 A	N	2	18
11.0 23.4 A	N	3	19
12.0 6.2 A	N	1	18
11.9 6.8 A	N	1	18
11.6 7.9 S	K=H	2	18
11.1 8.0 S	K=H	2	18
11.7 9.2 F 763	K=H	2	18
11.5 10.0 A	N	1	18
11.8 14.1 A	K=H	1	18

No. 1900 1900

R.A. Dec. 1900	A.G.C.	R.A. Dec. 1900	Magn.	C.D.M.	R.A. Dec. 1900	Magn.
18 35.5-29.1				-29 15233 18 33.7-29 27 8.9		
18 39.7-29.0				-28 14956 18 37.8-28 54.0 8.3		
18 40.0-29.2				-29 15317 18 38.0-29 55.8 8.8		
18 52.5-29.0				-28 15212 18 50.3-28 55.3 7.9		
18 54.5-28.9 25994	18 54.8-28 51 8					
19 1.2-28.8 26161	19 1.2-28 48 6.5					
18 26.0-29.4 25290	18 25.9-29 16 7					
18 31.1-29.7 25402	18 30.9-29 33 7.8					
18 32.5-29.8 25430	18 32.4-29 44 8.2					
18 34.8-29.5				-29 15218 18 32.9-29 26.1 9.1		
18 35.0-29.5				-29 15220 18 33.0-29 25.1 9.0		
18 36.1-29.8 25536	18 36.3-29 35 8.2					
18 37.3-29.8				-29 15265 18 35.4-29 46.1 8.7		
18 40.5-29.7 25641	18 40.4-29.37 8.8					
18 41.1-29.7 25644	18 40.4-29 45 7.2					
18 46.4-29.5 25808	18 46.3-29 29 6.5					
18 49.3-29.4 25873	18 49.1-29 20 7.1					
18 49.9-29.6 25887	18 49.8-29 36 7.2					
18 56.0-29.5				-29 15629 18 54.4-29 30.6 7.8		
18 59.6-29.2 26121	18 59.5-29 14 7.0					
19 4.8-29.7 26254	19 5.0-29 40 6.5					
18 25.1-30.4 25280	18 25.4-30 8 8.2	-30 15795 18 23.8-30 9.2 8.0				
18 27.0-30.3 25320	18 26.9-30 8 8.5					
18 29.2-30.1 25368	18 29.3-30 1 7.2					
18 29.5-29.8 25375	18 29.6-29 47 6.9					
18 32.4-30.2 25429	18 32.3-30 7 7.1					
18 34.3-30.0				-29 15211 18 29.5-29 59.8 8.4		
18 44.0-30.2				-30 16277 18 41.9-30 8.6 8.6		

December 1, 1892

Plate 5256

V. Hb. Cl. Riv. ^{Nr.} Kline Int.

11.8 14.6 a	K=H 1
11.5 19.5 a	K=0.3H 5
11.3 19.9 a	N 1
12.0 22.9 Th 764	K=H 2
12.8 7.3 a	N 1
12.7 9.3 a	N 2
12.8 10.2 Hb	N 1
13.0 10.7 a	N 1
12.5 11.0 Th 765	K=H 1
12.3 13.3 a	K=H 2
12.3 14.4 a	N 1
12.8 16.2 a	N 1
12.3 21.5 a	N 1
13.4 7.3 a	N 2
13.5 8.0 a	N 1
13.5 9.2 a	N 1
13.5 10.1 a	N 1
13.9 10.3 a	N 1
13.5 12.9 a	N 1
13.4 14.5 a	N 2
13.6 14.5 a	K=0.4H 2
13.7 15.0 a	N 1
13.1 15.2 a	N 3
14.0 16.0 a	N 1
13.4 17.5 Th 766	K=H 2
13.8 17.6 H	K=H 2
13.9 20.2 a	K=0.2H 3
13.8 20.3 a	N 1

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1900		No.	1900	1900	1900	
R. A.	Dec.	A. G. C.	R. A.	Dec.	Magn.	CDM
18 45.2-30.2	25769	18 45.0-30° 14'	8.2			
18 56.3-30.1	26041	18 56.3-30 1	3.1			
18 57.3-29.9				-29 15649	18 55.6-29 47.5	8.6 3/6
19 4.1-30.2	26232	19 4.1-30 10	6.7			
18 28.0-30.8	25342	18 27.8-30 57	7.3			
18 32.5-30.7	25431	18 32.4-30 36	8			
18 35.0-30.7	25495	18 34.6-30 37	8			
18 36.1-30.8				-30 16066	18 34.2-30 44.6	9.0 3/6
18 37.0-30.6				-30 16088	18 34.8-30 30.0	9.3
18 42.0-30.5	25681	18 41.8-30 27	8			
18 44.6-30.4				-30 16304	18 42.7-30 22.7	8.3 0.0
18 49.0-30.6				-30 16412	18 47.1-30 38.4	7.6
19 1.5-30.3				-30 16665	18 59.3-30 20.8	8.2 0.0
18 27.6-31.1	25342	18 27.8-30 57	7.3	-30 15855	18 26.2-30 58.5	7.2 1/6
18 29.5-31.0				-30 13897	18 28.0-30 55.6	8.8 3/6
18 32.1-31.1				-30 15961	18 30.5-30 58.6	9.0 3/6
18 34.5-31.1				-31 15824	18 32.7-31 1.5	8.0 0.0
18 35.0-31.3	25512	18 35.3-31 16	8.8			
18 41.2-31.1				-30 16207	18 39.3-30 59.7	8.1 3/6
18 44.5-31.0	25751	18 44.5-31 4	7.5	-30 16310	18 43.0-30 56.6	8.1 3/6
18 44.5-31.2	25751	18 44.5-31 4	7.5	-31 16050	18 42.9-31 6.4	7.5 2/6
18 45.7-31.2	25772	18 45.1-30 59	7.5			
18 46.1-30.9	25790	18 45.8-30 54	9			
18 48.2-31.4				-31 16111	18 46.6-31 16.8	8.3 3/6
18 51.8-31.2	25922	18 51.7-30 57	7.3			
18 51.9-31.2	25930	18 51.9-31 10	6.5			
19 58.0-31.3				-31 16306	18 56.4-31 13.4	5.9 0.0
19 58.2-31.2	27466	19 58.0-31 0	7.5			

December 1, 1892

Plate 5236

V. H. Cl. R. Kline Int.

13.7 22.0 E	K=H	1	R
13.3 22.2 A	N	1	19
14.1 7.3 A	N	1	19
14.4 9.1 A	N	1	18
14.4 9.2 A	K=H	1	18
14.6 10.6 H	K=H	1	18
15.0 11.2 H 767	K=H	1	18
14.2 14.9 E	K=H	1	18
15.0 16.8 S	K=H	2	18
14.9 20.0 A	N	1	18
14.7 21.9 A	N	1	19
15.8 10.1 A	N	1	18
15.4 12.6 G	K=H	2	18
15.1 12.9 H 768	K=H	2	18
15.4 13.4 A	N	2	18
15.6 15.6 H	N	2	18
15.1 15.9 A	N	1	18
15.8 16.3 A	N	1	18
15.3 17.4 H	N	1	18
16.0 17.5 H	K=H	2	18
15.2 19.9 A	N	1	18
15.3 20.9 A	N	2	19
16.3 6.1 H 769	K=H	1	18
16.9 6.6 A	N	1	18
16.2 6.5 A	N	1	18
17.0 8.2 A	N	1	18
17.0 9.1 H 770	K=H	2	18
16.6 9.6 A	N	1	18

No. 1900 1900

R.A. ¹⁹⁰⁰ Dec. J.G.C. R.A. ¹⁹⁰⁰ Dec. Magn. C.D.M. R.A. ¹⁹⁰⁰ Dec. Magn.

19 2.1 - 31.3

-31 16381 19 0.5 -31 9.9 7.6 ³⁶

19 2.9 - 30.9 26205 19 3.0 - 30 48 9

18 27.4 - 31.4

-31 15691 18 26.3 -31 14.8 8.3

18 31.6 - 31.5

-31 15774 18 30.3 -31 24.7 9.1

18 32.0 - 31.5

-31 15781 18 30.5 -31 27.3 8.0 ³⁶

18 35.5 - 31.6 25517 18 35.5 - 31 35 8

18 37.0 - 31.7 25543 18 36.8 - 31 44 8

18 45.1 - 31.4

-31 16066 18 43.8 -31 25.3 7.5

18 50.0 - 31.9 25893 18 50.0 - 31 49 6.9

18 57.6 - 31.7

-31 16301 18 56.0 -31 38.4 8.3

19 2.3 - 31.6

-31 16384 19 06 -31 30.4 8.2

18 34.0 - 32.0

-32 14395 18 32.7 -32 7.8 8.3

18 40.0 - 31.9 25632 18 40.1 - 32 1 8

18 40.4 - 31.8 25650 18 40.7 - 31 51 8.2

18 41.6 - 31.9 25685 18 41.9 - 31 58 8

18 47.2 - 32.1 25833 18 47.2 - 32 6 7.1

18 48.0 - 31.9

-31 16108 18 46.4 -31 47.0 8.0

18 49.0 - 32.3

-32 14669 18 47.4 -32 11.0 8.3 ³⁶

18 52.0 - 32.0 25920 18 51.6 - 31 56 8.2

18 52.0 - 32.4

-32 14722 18 50.2 -32 20.0 7.5

18 56.4 - 31.9

-31 16293 18 55.7 -31 49.0 8.7

19 0.0 - 32.0

-31 16334 18 58.1 -31 52.6 7.5 ³⁶

18 24.3 - 32.4 25265 18 24.6 - 32 21 8.2

18 28.4 - 32.7

-32 14235 18 24.1 -32 40.3 8.3 ³⁶

18 25.3 - 32.3

-32 14233 18 24.1 -32 13.6 9.1

18 29.6 - 32.7

-32 14293 18 28.1 -32 41.3 8.5 ³⁶

18 32.0 - 32.8 25417 18 31.8 - 32 46 7.8

18 33.0 - 32.5

-32 14366 18 31.3 -32 31.5 8.5 ³⁶

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Plate 3276

V Hb Cl. Run. Kline Lark

16.4 10.7 A	N	2
17.0 13.0 A	N	1
16.8 12.0 A	N	1
16.8 13.1 H	N	1
17.0 13.7 G	K=H	2
16.6 16.2 F 771	K=H	1
16.3 18.2 A	N	2
16.5 18.2 A	N	2
16.8 20.5 F 772	K=H	1
17.0 19.0 H	K=H	1
17.8 5.7 A	N	2
18.0 5.8 A	N	1
17.6 6.1 A	N	3
17.6 6.6 A	N	2
17.7 7.0 A	N	1
17.6 7.3 A	N	3
17.6 7.4 A	N	2
17.4 7.9 A	N	2
17.6 7.9 A	N	2
17.7 10.1 A	N	1
17.1 11.1 A	K=H	2
17.9 16.9 A	N	2
17.5 17.5 A	K=H	1
17.3 19.5 A	N	2
18.7 5.7 A	N	2
17.0 7.2 A	N	1
18.8 9.2 H	N	1
18.3 10.5 A	N	1

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Plate 5236

R.A. 1900	Dec. 1900	A.G.C.	R.A. 1900	Dec. 1900	Mag.	R.A. 1900	Dec. 1900	Mag.
18 36.6	-33.5					-33 13496	18 34.9	-33 37.2 8.7
18 38.5	-33.4	25580	18 38.2	-33 29	8.5			
18 38.6	-33.4					-33 13527	18 36.8	-33 22.6 8.7 36.
18 43.3	-33.6	25714	18 43.1	-33 42	7			
18 43.9	-33.6	25728	18 43.5	-33 42	7.5			
18 49.0	-33.4	25879	18 49.4	-33 23	7.8			
18 49.4	-33.4	25884	18 49.7	-33 23	7.8			
18 50.0	-33.5	25896	18 50.0	-33 34	8.2			
18 54.2	-33.4	25987	18 54.4	-33 22	7.8			
19 5.8	-33.3					-33 14011	19 43	-33 15.5 8.0
19 5.1	-33.6	26259	19 5.2	-33 32	7.5			
18 23.2	-34.1	25206	18 23.1	-34 0	7.8			
19 29.2	-34.3					-34 12957	18 27.9	-34 12.6 8.7 36.
18 32.0	-34.2					-34 12995	18 30.3	-34 6.0 9.0
18 32.5	-34.3	25441	18 32.7	-34 15	6.9			
18 34.0	-34.0	25479	18 34.0	-33 57	7.8			
18 34.3	-34.0	25490	18 34.5	-33 58	8.2			
18 36.9	-34.1	25549	18 37.0	-34 2	8.2			
18 40.0	-34.0	25627	18 40.0	-34 1	7.5			
18 41.4	-34.0	25674	18 41.7	-34 0	7.0			
18 43.5	-34.3	25738	18 44.2	-34 25	7.5			
18 53.3	-33.8					-33 13815	18 52.1	-33 47.0 8.3
18 59.0	-34.0	26108	18 59.0	-33 56	7.8			
19 2.0	-34.0	26179	19 2.1	-33 57	8.2			
19 6.1	-34.1	26288	19 6.1	-34 1	7.5			
18 31.0	-34.7	25407	18 31.1	-34 38	8.2			
18 35.7	-34.6	25513	18 35.4	-34 34	8			
18 39.5	-34.7	25609	18 39.3	-34 41	8.2			

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Plate 5276

8 Hb Cl. Run Kline Lnk.

21.0 13.8 9'	K=H	2	18
20.2 14.4 A	N	2	18
20.1 13.5 A	N	2	18
20.6 18.0 A	N	1	18
20.5 18.7 A	N	1	18
20.7 18.7 A	N	1	18
21.0 19.1 A	N	2	18
20.8 20.1 A	N	1	18
21.2 6.3 A	K=H	1	18
21.3 7.6 A	K=H	2	18
21.9 10.0 A	N	1	18
21.6 14.6 A	N	1	18
21.8 15.1 A	K=H	1	18
21.4 17.4 A	N	1	18
21.6 18.1 A	N	1	18
21.8 18.9 H	N	1	18
21.4 22.1 A	N	1	19
21.0 23.4 A	N	1	19
21.8 24.3 A	N	1	19
22.4 6.7 H	N	1	18
22.6 6.5 H	N	1	18
22.8 11.7 A	N	3	18
22.9 14.9 A	N	1	18
24.0 11.1 A	N	1	18
23.3 12.1 H	K=H	2	18
24.2 15.4 A	N	2	18
23.5 16.5 A	N	1	18
23.7 17.5 A	K=H	1	18

1900		No.	1900	1900	C.M.B. R.A. Dec. Magn.	
18	43.0-34.9	25699	18	42.7-34.51	7.0	
18	44.3-34.4	25738	18	44.2-34.25	7.5	
18	51.9-34.3	25933	18	52.1-34.18	9	
18	52.8-34.6	25955	18	53.2-34.36	8.2	
18	55.0-34.5					-34 13322 18 53.2-34.325 8.0
18	55.0-34.7	26007	18	55.4-34.57	8.5	
18	56.0-34.8	26028	18	56.0-34.46	7.5	
18	58.1-34.5	26090	18	58.3-34.30	8.8	
18	24.0-35.0					-34 12884 18 23.1-34.50.1 8.0
18	27.4-35.0	25338 25339	18	27.8-34.53 54	8 8.8	
18	33.1-35.3	25464	18	33.7-35.15	8	
18	45.0-35.0	25759	18	44.9-35.4	8	
18	46.5-35.1	25797	18	46.2-35.9	8	
18	51.9-35.0					-34 13275 18 50.2-34.59.1 8.7
18	52.2-35.0	25960	18	53.6-35.3	8.5	-35 13081 18 51.9-35.46 8.5
18	55.7-35.1	26014	18	55.5-35.9	7	
19	3.4-34.8	26194	19	2.8-34.39	7.8	
19	6.8-34.9	26293	19	6.5-34.53	8.8	
19	9.1-35.3					-35 13331 19 7.1-35.1.1 7.7
18	26.0-35.6	25286	18	25.9-35.25	7.5	
18	30.0-35.6	25378	18	29.8-35.32	7.2	
18	37.5-35.8	25565	18	37.6-35.45	5.2	
18	45.8-35.8	25781	18	45.4-34.28	8.2	
18	36.4-36.5	25534	18	36.3-36.17	8.5	
18	38.9-35.9	25587	18	38.6-35.58	7.0	
18	47.5-36.5	25828	18	47.1-36.24	7.2	
18	50.0-36.1					-36 13143 18 48.0-36.18 9.1
18	52.5-36.2	25936	18	52.2-36.6	7.8	

December 1, 1892

Plate 5276

V. H. C. R. ^N Kline Int.

23.5 18.5 a	N 1	18
24.0 19.1 a	N 2	18
24.2 21.9 a	N 2	19

P.A. 20^h 44^m Dec. -31.5Plate 40 ³ ~~N 2~~

4.2 11.5 ¹ 9	K=H 2	20
3.8 14.5 a	N 3	20
5.0 13.8 a	K=0.5H 2	20
4.5 18.0 ¹ 779	K=H 2	20
5.6 8.5 ¹ 780	K=H 1	20
5.5 10.8 ¹ 781	K=H 2	20
5.9 13.5 ¹ 782	K=H 2	20
5.9 18.5 ⁵ 783	K=H 3	21
5.9 20.2 a	K=0.2H 3	20
6.6 12.5 a	N 1	20
6.6 12.9 ¹ 784	K=H 2	20
6.6 13.6 ¹ 785	K=H 1	20
6.8 15.0 ¹ 786	K=H 1	20
6.6 15.5 ¹ 787	K=H 2	20
6.9 22.5 a	N 2	21
7.8 6.8 a	K=H 1	20
7.6 10.6 ¹ 788	K=H 1	20
7.3 10.9 a	K=H 2	20
8.0 11.3 a	N 2	20
7.9 12.3 a	N 1	20
7.5 13.8 ¹ 789	K=H 1	20
7.6 14.1 ¹ 790	N 1	20

1900 *Sto.* 1900 1900
 A.G.C. R.A. Dec. M. C.D.M. R.A. Dec. Magn.
~~26030 0 0 0 7.5~~
 18 55.7 - 36.1 ~~26031~~ 18 56.0 - 36 14 ~~8.2~~ -36 13236 18 534 - 36 29 8.0
 18 56.3 - 36.3 } 26030 18 56.0 - 36 14 9.5 -36 13248 18 543 - 36 16.5 7.5 *Ha*
 } 26031 18 56.0 - 36 14 8.2
 19 1.7 - 36.4 -36 13355 19 1.3 - 36 213 6.6 *Ha*

20 35.2 - 26.4 28346 20 35.4 - 26 21 6.6
 20 43.3 - 26.2 28539 20 43.4 - 26 9 6.1
 20 41.3 - 26.8 28489 20 41.4 - 26 47 7.2
 20 51.0 - 26.7 28702 20 50.9 - 26 40 6.1
 20 29.4 - 27.2 28202 20 29.9 - 27 7 7
 20 34.5 - 27.0 28323 20 34.6 - 27 0 6.7
 20 40.2 - 27.3 28465 20 40.5 - 27 14 7
 28466
 20 45.9 - 27.3 28598 20 45.9 - 27 17 4.1
 20 55.9 - 27.3 28807 20 55.8 - 27 16 6.2
 20 38.4 - 27.7 28414 20 38.4 - 27 35 7.6
 20 39.4 - 27.7 28437 20 39.2 - 27 37 6.7
 20 40.7 - 27.6 28471 20 40.7 - 27 36 8
 20 44.0 - 27.8 28557 20 44.1 - 27 45 7.2
 28558
 20 45.5 - 27.6 28593 20 45.6 - 27 37 6.8
 21 1.4 - 27.8 28950 21 1.3 - 27 47 9
 20 25.0 - 28.2 28118 20 25.3 - 28 5 8.5
 20 34.0 - 28.1 28302 20 33.9 - 28 4 8
 20 34.6 - 28.0 28322 20 34.6 - 27 57 7.2
 20 35.6 - 28.4 28348 20 35.5 - 28 21 7.2
 20 38.0 - 28.4 28403 20 37.9 - 28 17 8
 20 41.3 - 28.2 28485 20 41.3 - 28 4 7.5
 20 42.0 - 28.3 28501 20 41.9 - 28 7. 7.5

December 1, 1892

Plate 40³²

K Ho Cl. Perm. Kline Lint

8.0 15.3 A	K=0.3H 3
7.9 16.8 K	K=H 2
7.8 20.1 H	N 1
7.6 20.8 G	K=H 2
8.5 7.0 A	N 1
9.0 10.2 F 787	K=H 1
8.5 12.6 A	K=0.5H 2
9.4 7.4 A	N 2
9.2 11.0 J	K=H 2
9.6 11.4 F 788	K=H 2
9.2 23.4 G	K=H 1
10.4 6.3 A	K=0.3H 2
9.5 8.0 A	K=0.5H 2
10.4 10.8 F 789	K=H 1
10.9 12.1 G	K=H 2
10.8 15.3 F 790	K=H 2
10.3 20.3 A	N 2
10.5 21.2 F 791	K=H 1
11.6 6.6 F 792	K=H 1
11.5 15.3 J	N 2
11.9 19.3 A	K=0.2H 3
11.3 23.3 J	N 2
13.0 16.5 A	N 3
12.9 13.1 A	K=H 2
12.3 14.3 H	N 1
13.0 19.0 H	K=H 1
12.3 21.9 J	K=H 3
13.2 9.9 F 793	K=H 1

10.72

H

No.	1900	1900	
R.A. 1900	Dec. N.Y.C.	R.A. Dec. Magn.	C.M. R.A. Dec. Magn.
20 45.5-28.4	28595	20 45.6-28.23	6.8
20 48.2-28.4	28656	20 48.1-28.18	6.7
20 55.7-28.3	28790	20 55.4-28.6	8.5
20 57.2-28.1	28837	20 57.2-28.7	6.6
20 25.3-28.5	28124	20 25.7-28.24	8
20 33.0-28.9	28280	20 32.9-28.47	8
20 38.9-28.7	28418	20 38.5-28.34	7.2
20 26.5-28.9	28139	20 26.6-28.56	7.0
20 33.7-28.7		-28 16844 20 33.3-28	5896.9
20 34.9-28.9	28327	20 34.8-28.54	6.9
21 3.0-29.0	28992	21 3.0-28.53	7.1
20 24.5-29.5	28108	20 24.8-29.27	6.5
20 27.7-29.7	28156	20 27.7-29.38	7.0
20 34.7-29.6	28315	20 34.3-29.33	8
20 37.2-29.9	28379	20 37.2-29.47	6.9
20 45.4-29.9	28594	20 45.6-29.48	6.9
20 56.5-29.6	28831	20 56.9-29.30	6.7
20 57.6-29.6	28863	20 58.2-29.32	8.8
20 24.5-30.2		-30 17956 20 23.1-30	678.136
20 45.8-30.2	28592	20 45.6-30.9	7.2
20	28777	20 55.0-30.7	7
20	Ask Mrs F.	-30 18336 20 53.5-30	1337.136
21 4.2-30.2	29020	-30 18337 20 53.6-30	1506.036
20	Ask Mrs F.	-30 18013 20 27.1-30	5456.4
20 39.1-30.9	28438	20 39.2-30.51	6.9
20 43.3-30.7	28535	20 43.2-30.34	7
20 53.1-31.0	28742	20 53.5-30.57	9.2
21 0.0-30.6	28907	21 0.0-30.31	6.0
20 32.0-31.0	28258	20 31.9-30.55	8.2

Does this affect the above.

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Plate 40³ 2

8 Hb Cl. Prim. Kline Inst.

13.9 9.9 Hb N 1

13.3 15.9 Hb N 1

13.4 16.4 G K=H 2

13.8 17.3 Hb N 1

14.9 7.6 A N 2

15.0 11.3 L K=H 2

14.9 16.3 G K=H 2

15.0 13.4 A K=H 1

15.0 17.5 A N 2

15.4 18.6 F 794 K=H 1

14.2 22.6 F 795 K=H 2

15.2 23.6 H N 1

16.0 11.7 F 796 K=H 1

15.8 12.5 H K=H 1

15.4 15.2 H K=H 1

15.9 15.3 G N 2

16.4 19.7 G K=1.2 H 3

16.8 21.4 A N 1

16.7 21.9 G K=1.2 H 2

17.6 11.0 H N 1

17.9 14.0 A N 1

17.9 15.0 A N 1

17.5 19.8 A N 3

17.4 21.3 F 797 K=H 1

17.9 23.5 F K=H 1

18.8 10.0 A N 2

18.3 10.5 A N 1

18.7 11.0 F K=H 3

18922

	No.	1900	1900		No.	1900	1900						
		1900	S. G. C.	R. A.	Dec.	Magn.	C. D. M.	R. A.	Dec.	Magn.			
20	32.0	-31.4	28261	20	32.1	-31.18	7.5						
20	46.0	-31.1	28603	20	46.1	-31.4	7.5						
20	47.2	-31.1	28633	20	47.3	-31.5	6.7						
20	49.4	-31.3	28681	20	49.5	-31.16	8						
20	26.8	-31.9	28136	20	26.5	-31.43	8						
20	35.4	-31.9	28337	20	35.2	-31.57	6.1						
20	47.4	-31.9	28624	20	47.0	-31.53	7.2						
20	40.0	-32.0	28453	20	40.1	-31.54	8.8						
20	49.6	-31.9	28685 28686	20	49.7	-31.56 53	7.5 8						
20	52.2	-32.2	28727	20	52.3	-32.5	8.2						
21	1.5	-31.6	28956	21	1.6	-31.28	7.2						
21	4.2	-32.0	29019	21	4.1	-31.54	7.8						
20	36.0	-32.5	28351	20	35.9	-32.24	8.5						
20	38.0	-32.4	28401	20	37.9	-32.18	7.5						
20	44.4	-32.1	28563	20	44.4	-32.5	7.8						
20	44.5	-32.5	28567	20	44.6	-32.25	6.9						
20	55.4	-32.7		32	16353	20	53.6	-32.44	5.02a				
20	59.4	-32.9	28886	20	59.0	-32.44	8.1	32	16386	20	57.5	-32.56	8.02b
21	0.3	-32.8	28918	21	0.3	-32.44	5.7						
20	34.2	-33.3		33	15120	20	32.6	-33	1738.43b				
20	41.1	-33.4	28482	20	41.3	-33.21	8.8						
20	44.0	-33.5	28553	20	43.9	-33.24	8.5						
20	55.5	-33.4	28786	20	55.2	-33.17	7.0						
20	59.2	-33.3	28883	20	58.9	-33.13	8						
21	4.4	-33.4	29021	21	4.3	-33.15	7.2						
20	31.9	-33.9	28244	20	31.6	-33.48	8.5						
20	33.0	-33.6	28278	20	32.9	-33.32	8						
20	34.2	-33.8	28305	20	34.1	-33.47	5.8						

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Plate 408³2

V. H. C. L. Rine. Kline Inst.

18.2 15.8 A	K=H 3
19.3 10.3 H	N 1
19.8 8.7 A	N 1
19.4 15.0 G	K=H 3
19.9 17.8 A	K=H 2
19.2 18.7 G 798	K=H 1
20.9 6.1 H	N 1
20.2 9.8 Hia	N 1
20.5 11.6 A	N 1
20.3 12.2 A	N 1
20.4 19.2 A	N 2
20.5 22.4 H	N 1
22.0 16.6 A	N 1
21.9 19.5 A	N 1
21.3 21.8 G	K=H 2
22.2 13.1 G 799	K=H 2
22.5 19.3 G	K=H 2
23.3 6.4 A	N 2
24.0 11.9 A	N 2
23.5 11.1 G 800	K=H 2
23.5 12.9 H	K=H 2
24.1 13.6 A	K=H 2
24.3 16.5 H	N 1
24.2 19.0 A	K=H 3
24.0 19.4 H	K=H 2

Plate 5663

4.8 11.7 H K=H 2

1900 No. 1900 1900
 J.G.C. R.A. Dec. Magn. C.D.M. R.A. Dec. Magn.
 20 45.6 -33.6 28597 20 45.8 -33.33 6.2
 20 32.6 -34.1 28269 20 32.5 -34.2 8
 20 28.4 -34.4 28174 20 28.5 -34.16 7.5
 20 43.8 -34.2 28544 20 43.8 -34.9 5
 20 51.0 -34.5 28698 20 50.7 -34.23 7.5
 20 53.5 -34.0 34 14779 20 51.7 -34 577.536
 20 22.0 -34.9 28046 20 22.2 -34.44 7.0
 20 31.0 -34.6 28230 20 31.0 -34.30 8.2
 20 36.0 -34.7 34 14554 20 34.0 -34 446.836
 20 37.3 -34.7 34 14576 20 35.3 -34 386.8736
 20 54.2 -34.8 28751 20 54.0 -34.37 7.5
 21 2.0 -34.8 34 14872 21 0.1 -34 424.7736
 20 47.9 -35.6 35 14429 20 46.1 -35 290.8.6
 20 55.0 -35.5 28774 20 55.0 -35.34 7.8
 21 0.3 -35.1 28913 21 0.2 -35.2 7.3
 20 39.0 -35.5 28424 20 38.9 -35.32 6.7
 20 54.8 -35.6 28760 20 54.4 -35.41 7.1
 20 22.0 -35.9 28048 20 22.4 -35.55 6.3
 20 33.0 -36.5 28290 20 33.5 -36.23 7.2
 20 33.4 -36.2 28301 20 33.9 -36.9 7
 20 38.0 -36.2 28412 20 38.3 -36.12 7.3
 20 39.9 -36.5 28448 20 39.9 -36.29 6.8
 20 47.5 -36.6 28632 20 47.3 -36.34 7.2
 20 53.3 -36.6 28745 20 53.7 -36.31 6.4
 20 54.6 -36.5 28764 20 54.6 -36.27 7.2

21 58.5 -26.4 30183 21 58.8 -26.22 6.9

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Plate 5663 R.A. 22^h 6^m Dec. -31.5

H. C. C. Rm. Kline Inst.

4.6 13.6 A	K=0.5H 2
4.9 17.1 J	K=H 2
6.0 8.4 F 801	K=H 1
6.6 11.8 B 802	N 3
6.1 22.1 A	N 2
7.7 10.9 H	K=H 1
7.1 11.1 A	K=H 2
7.3 14.8 H	K=H 2
7.1 15.3 H	N 1
7.8 17.4 H	N 1
7.4 23.0 A	K=H 3
8.3 7.6 A	K=H 2
8.8 10.4 A	N 1
9.0 13.1 A	N 1
8.4 16.0 A	N 3
9.0 21.3 H	N 1
9.1 5.9 A	N 2
9.5 8.4 F 803	K=H 1
9.8 10.1 A	N 4
9.8 11.8 J	K=H 2
9.5 14.2 A	K=0.4H 3
9.4 18.2 H	N 1
10.4 7.0 B 804	K=H 1
10.6 8.4 H	N 1
11.0 9.6 J	K=H 2
11.0 12.5 A	K=H 2
10.3 12.5 H	N 1
10.7 16.2 A	N 1

No. 1900 1900

1900 A.G.C.R.A. Dec. Magn. B.D.M. R.A. Dec. Magn.

22 3.0-26.4 30274 22 3.1-26 16 7.3

22 11.0-26.4 30414 22 11.0-26 24 6.5

21 50.7-27.0 30017 21 51.3-26 57 7.8 27 15696 21 49.9-27 36 7.5²⁶

21 59.0-27.3 30190 21 58.9-27 19 6.1

22 22.0-27.0 30631 22 22.1-26 55 7.1

21 56.9-27.9 30145 21 57.0-27 51 7.4

21 57.3-27.6 30152 21 57.4-27 32 8

22 5.6-27.7 30326 22 5.8-27 39 7.1

22 6.9-27.6 30348 22 6.9-27 35 7.5

22 11.7-28.0 30429 22 11.6-27 54 7.1

22 24.2-27.7 30670 22 24.2-27 37 6.3

21 53.5-28.1 30076 21 53.8-28 7 7.2

21 55.5-28.5

28 17554 21 54.3-28 29 38.5⁰⁰

22 1.7-28.7 30244 22 2.0-28 33 8

22 8.5-28.3 30384 22 8.6-28 16 5.6

22 20.5-28.7 30608 22 20.6-28 31 7

21 44.1-28.6 29875 21 45.0-28 24 7.4 28 17477 21 43.6-28 31.3 7.5²⁶

21 51.0-28.9 30012 21 51.2-28 41 8.2

21 55.0-28.9 30101 21 55.1-28 56 5.7

21 58.7-29.0 30188 21 58.9-28 55 7

22 4.2-28.8 30297 22 4.3-28 47 6.5

22 13.5-28.8 30469 22 13.7-28 43 7.0

21 47.5-29.2 29920 21 47.2-29 14 9

21 50.8-29.3 30007 21 51.0-29 18 7.8

21 53.5-29.6 30070 21 53.7-29 32 7.1

22 0.5-29.7 30215 22 0.5-29 34 8.5

22 0.5-29.3 30216 22 0.5-29 12 8.2

22 9.0-29.5

29 18248 22 7.6-29 29 6.85²⁶ which?
29 18249 22 7.6-29 31.6 7.2²⁶

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Plate 5663

V 16 Cl. Riv. Kline Int.

10.5 19.2 A.	N	2
10.4 22.7 Φ 805	K=H	1
11.5 11.4 A.	N	3
11.2 21.2 A.	K=H	1
13.0 7.9 Φ 806	K=H	1
12.4 8.0 H	N	1
12.3 11.3 A.	K=H	3
12.6 11.8 Φ	K=H	2
12.1 12.8 Φ 807	K=H	2
13.3 6.4 A.	K=H	2
13.9 12.8 A.	N	1
13.8 13.0 A.	N	1
13.4 13.4 A.	N	1
13.9 13.0 H	N	1
13.0 22.5 H	N	1
14.0 22.9 A.	N	1
14.1 8.1 Φ	K=H	2
14.8 8.2 Φ 808	K=H	2
14.3 12.3 Φ 809	K=H	1
14.2 13.8 A.	K=H	1
15.9 8.5 A.	N	2
15.9 9.9 A.	N	3
15.6 11.3 Ma.	N	1
15.6 12.5 A.	N	1
15.1 23.1 A.	K=H	2
15.0 11.0 Φ 810	K=H	2
16.9 15.1 Φ 811	K=H	1
16.5 16.3 H	N	1

		no.	1900	1900			no.	1900	1900			
		1900	H.C.	R.A.	Dec.	Magn.			H.C.	R.A.	Dec.	Magn.
22	16.1-29.4	30510	22	16.0-29.16	8.5							
22	23.9-29.3	30661	22	23.8-29.14	8.5							
21	53.6-29.9	30162	21	57.9-29.50	7.3	-29	18148	21	56.4-29.56.9	7.3	26	
22	20.3-29.7	30605	22	20.5-29.35	8							
21	49.3-30.5					-30	18907	21	48.1-30.37.7	8.3	36	
21	49.8-30.2					-30	18923	21	48.5-30.17.5	8.3	36	
21	57.2-30.4	30153	21	57.5-30.23	7.2							
21	58.5-30.4	30178	21	58.6-30.24	7.0							
22	1.0-30.2	30230	22	1.1-30.7	8							
21	45.6-30.9	29902	21	46.2-30.47	8.2							
22	1.0-31.0	30228	22	1.0-31.1	8.5							
22	1.6-30.9					-31	18652	22	0.2-31.2.2	8.6	36	
22	2.4-30.9					-30	19022	22	1.0-30.51.1	8.7		
22	10.5-31.1	30415	22	11.0-31.0	8							
22	23.5-30.7	30655	22	23.6-30.30	7.5							
22	24.9-31.0	30674	22	24.6-30.57	8.5							
21	50.0-31.1	29982	21	50.1-31.5	6.7							
21	50.1-31.4	29984	21	50.2-31.24	8.2							
22	0.0-31.3					-31	18636	21	58.4-31.18.8	7.8	36	
22	13.0-31.3					-31	18735	22	11.5-31.17.8	7.8	36	
21	50.8-32.0	29996	21	50.8-31.52	8.2	-31	18549	21	49.3-31.58.5	7.7	26	
21	54.0-32.0	30082	21	54.1-32.0	6.9							
21	57.5-32.0	30151	21	57.5-31.56	7.5							
22	0.4-31.9	30219	22	0.8-32.4	8.5							
22	25.3-31.6	30694	22	25.3-31.32	7.8							
21	56.9-32.6	30137	21	56.8-32.37	6.8							
22	6.5-32.7	30339	22	6.6-32.34	8.2							
22	10.4-32.4	30403	22	10.1-32.22	8.2							

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O 16 Cl. Rem. Kline Int.

16.3 17.4 G	K=H 2
16.1 21.6 H	K=H 1
15.8 8.8 F 812	K=H 1
18.0 9.0 H	N 1
15.5 9.4 A	N 2
15.6 11.6 A	N 1
15.7 13.8 G	N 1
15.8 14.3 F 813	K=H 4
15.8 15.1 H	N 1
15.2 16.3 A	N 1
15.8 15.5 H	N 1
15.6 23.3 A	N 4
15.4 24.4 A	N 2
18.1 6.4 A	N 1
18.9 8.0 H	N 1
18.6 13.5 A	K=0.2H 4
19.0 13.7 A	K=0.2H 2
19.5 20.3 F 814	K=H 1
20.4 10.7 H	N 2
20.7 13.6 K	K=H 3
20.5 14.2 A	K=0.4H 4
20.4 14.5 F 815	K=H 2
20.2 16.4 F 816	K=H 1
20.5 22.0 F 817	K=H 1
20.7 22.3 H	N 1
20.3 20.0 A	N 1
21.8 13.5 H	N 1
21.6 14.9 A	K=H 2

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Plate 5663

V. H. C. L. Rem. Kline Int.

21.8 18.6 J	K=H 2
21.9 19.1 Fr 818	K=H 1
21.9 19.2 A	N 1
22.2 8.2 H	N 1
21.6 10.9 H	N 9
22.3 15.8 A	K=H 2
22.3 17.1 H	N 2
21.3 17.1 H	N 1
22.0 17.6 H	N 1
23.6 8.9 A	N 2
23.8 10.5 A	N 1
23.6 23.1 H	N 2
22.5 24.3 H	N 1

Plate ⁵⁶¹⁴~~5614~~ R.A.

4.6 23.5 A	N 2
8.2 6.0 H	N 1
8.3 6.5 A	K=H 1
7.6 11.8 G	K=H 2
8.0 12.5 A	N 1
8.0 14.4 Fr 819	K=H 1
9.3 10.3 Fr 820	K=H 2
9.1 10.8 H	N 1
9.0 14.2 H	N 1
9.8 14.0 A	K=H 3
9.7 14.6 J	K=H 2
10.0 17.3 Fr 821	K=H 2

No.	1900	1900	No.	1900	1900
R.A. ^h ^m ^s Dec. [°] ['] ["] J.G.C.	R.A. ^h ^m ^s Dec. [°] ['] ["] Magn. C.D. 16	R.A. ^h ^m ^s Dec. [°] ['] ["] Magn.			
22 14.9-35.1 30497	22 15.0-35° 1 7.0				
22 16.2-35.1 30514	22 16.2-35 1 7.1				
22 16.3-34.9 30516	22 16.3-34 59 7.5				
21 49.0-35.3	-35 15040 21 47.9-35 14.1 8.0 36				
21 56.5-35.0 30121	21 56.2-34 52 8	-34 15374 21 54.7-34 59 3 7.5 26			
22 7.9-35.3	-35 15209 22 6.6-35 22 8 7.7 36				
22 11.0-35.3 30421	22 11.4-35 16 7.0				
22 11.0-34.7 30418	22 11.3-34 43 8				
22 12.4-35.2	-35 15244 22 11.0-35 11.4 8.7				
21 51.2-36.0 30002	21 51.0-35 50 7.3				
21 55.1-36.2 30100	21 55.1-35 56 8.5	-36 15137 21 53.6-36 32 7.7			
22 26.0-35.9 30710	22 26.0-35 48 6.8				
22 29.0-35.2 30769	22 28.7-35 11 7.0				

1 1.8-36.2 1025	1 1.8-36 12 6.5
0 17.6-37.9 292	0 17.8-37 58 6.9
0 19.1-38.0 310	0 19.1-37 58 7.2
0 32.4-37.8 550	0 32.4-37 51 7
0 35.4-37.9 600	0 35.0-37 58 8.5
0 39.4-37.9 663	0 39.0-38 1 8
0 28.6-38.7 474	0 28.6-38 40 6.8
0 29.8-38.6 502	0 29.8-38 33 7.0
0 39.0-38.5 654	0 38.4-38 32 7.5
0 37.8-39.0 645	0 37.9-39 1 6.0
0 39.4-38.9 666	0 39.4-38 59 5.8
0 46.7-39.1 775	0 46.6-39 4 6.9

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Plate ⁵⁶¹⁴₃₇₂₁

8 16 61. Rem. Kline Int.

9.5 21.4 G	K=H 2
10.5 10.5 H 822	K=H 1
10.9 13.0 A	N 1
10.8 21.2 J	K=H 3
11.8 5.6 H 823	K=H 2
11.8 6.3 A	K=H 3
11.7 7.3 J	K=H 2
12.0 9.3 J	K=H 2
11.6 10.6 A	N 1
12.0 22.5 H 824	K=H 1
12.5 7.7 H	K=H 2
12.7 8.6 J	K=H 3
12.5 10.3 H	N 1
12.8 10.6 A	K=0.2 H 2
12.5 11.3 A	N 1
12.8 23.2 H	N 2
14.0 22.2 J 825	K=H 1
13.6 22.7 H 826	K=H 2
14.4 9.0 H	K=H 2
14.9 9.5 A	K=H 3
14.0 13.4 A	N 1
15.0 24.8 H	N 1
14.3 22.1 A	N 2
16.0 23.5 A	N 3
16.9 7.5 H 827	K=H 1
16.1 12.4 A	K=H 2
16.5 23.4 J 828	K=H 2
17.5 8.6 G	K=H 5

H 219 ?

No.		1900	1901	Magn.		C.M.		R.A.		Dec.		Magn.	
R.A.		Dec.		N.Y.C.		R.A.		Dec.		N.Y.C.		R.A.	
0	56.9-38.9	947	0	56.9-38.45	6.6								
0	28.9-39.3	477	0	28.7-39.14	8								
0	35.4-39.6	604	0	35.2-39.30	8								
0	56.8-39.5	943	0	56.7-39.28	5.6								
0	16.0-39.9	250	0	16.0-39.48	6.7								
0	17.6-39.9	289	0	17.8-39.49	6.6								
0	20.4-39.9	337	0	20.4-39.49	6.8								
0	25.2-40.1	424	0	25.6-40.4	6.8								
0	29.0-39.9	485	0	29.0-39.48	8								
1	0.1-40.1	992	1	0.1-40.0	8								
0	21.2-40.2	354	0	21.3-40.12	7.0								
0	23.5-40.5	390	0	23.5-40.28	5.9								
0	28.1-40.4	482	0	28.9-40.27	8	-40	118	0	27.0-40.27	4	7.7		
0	28.9-40.5	482	0	28.9-40.29	8								
0	30.8-40.4	516	0	30.7-40.18	7.2								
1	1.7-40.4	1026	1	1.9-40.24	7.0								
0	59.5-41.1	984	0	59.5-41.4	7								
1	0.8-40.8	1003	1	0.8-40.48	7.0								
0	24.6-41.3	410	0	24.5-41.13	7.1								
0	25.8-41.5	425	0	25.6-41.30	6.5								
0	36.4-41.1	619	0	36.1-41.5	8								
0	58.7-41.6	972	0	58.7-41.33	7.0	-41	260	0	57.5-41.41	8	7.3		
0	59.5-41.2	981	0	59.4-41.11	7.0								
0	3.2-42.0	1052	1	3.2-42.1	5.4								
0	20.0-42.5	330	0	20.0-42.27	8								
0	33.5-42.0	563	0	33.3-42.9	7.5								
1	2.7-42.4	1048	0	2.9-42.17	7.0								
0	20.2-42.8					-42	116	0	20.1-42.59	1	2.4		

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Plate 5614

V Hb Cl. Rem. ^{Nr.} Kline Int.

17.8 11.1 A	$K=0.5H$ 2
18.0 15.0 A	$K=H$ 3
17.9 16.4 A	N 2
19.0 13.7 A	$K=H$ 2
18.1 17.5 A	N 1
19.8 5.4 J	$K=H$ 2
19.5 12.8 H	N 1
19.5 16.8 A	$K=0.7H$ 3
20.3 8.2 A	$K=0.2H$ 4
20.1 10.1 A	N 2
20.1 17.5 A	$K=H$ 2
22.3 13.3 A	$K=H$ 2
23.1 14.5 H	N 1
23.7 11.4 H	N 1
23.3 18.6 H	N 1
23.3 21.2 A	N 1

$\frac{w}{O}$ $\frac{m}{12}$ 58

No.		1900	1900				
R.A. ¹⁹⁰⁰	Dec.	A.G.C.	R.A. ¹⁹⁰⁰	Dec.	Magn.	C.L.M.	R.A. ¹⁹⁰⁰
0 29.8-42.9	496	0 29.5-42.59	6.9				
0 40.4-43.2	681	0 40.2-43.13	6.4				
0 44.2-43.1	747	0 44.4-43.7	7.5				
0 37.3-43.7	632	0 37.2-43.41	7				
0 47.6-43.2	785	0 47.3-43.11	7.8				
0 13.9-43.8	218	0 13.8-43.48	6.6				
0 34.3-43.9	582	0 34.1-43.51	7.8				
0 45.2-43.9	759	0 45.4-43.57	6.7				
0 21.2-44.2	351	0 21.3-44.14	3.9				
0 27.3-44.2	439	0 26.4-44.10	7.5	-44 12.5	0 25.2-44 179	7.5	
0 47.5-44.3	780	0 47.2-44.15	6.9				
0 35.5-45.4	602	0 35.1-45.21	6.4				
0 38.6-45.8	659	0 38.6-45.44	7.0				
0 31.0-46.1	500	0 29.6-45.59	7.0				
0 52.0-45.8	835	0 50.4-45.46	7.8	-45 290	0 49.2-45 540	7.3	
1 59.8-45.7				-45 336	0 56.6-45 506	7.5	

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Plate 4663- RA. $2^h 42^m$ Dec. - 41.5°

23 23

8th Cl. Rem. Kline Inst.

3.5 15.6 H		K=H	2
4.1 16.6 H		K=H	2
3.8 16.8 H		K=H	2
4.9 14.3 E		K=H	1
4.9 19.3 E		K=H	1
5.3 9.5 H		K=H	2
5.4 12.8 H		N	1
5.7 19.3 H		N	1
5.3 19.5 H	829	K=H	1
6.1 15.1 H		N	1
6.1 15.8 H	830	K=H	1
7.8 6.0 H		N	1
7.3 6.5 H	831	K=H	2
7.2 10.1 H		N	1
7.0 15.3 H		N	1
7.8 16.4 H	832	K=H	1
7.0 16.0 H	833	K=H	2
7.6 17.0 H		N	1
8.0 18.4 H		N	1
7.2 22.9 A		K=H	2
8.3 12.0 H	834	K=H	3
8.9 13.5 J		K=H	3
8.1 14.0 H		N	1
8.5 14.9 H	835	K=H	1
9.1 17.9 H	836	K=H	3
8.6 19.5 A		N	3
8.3 19.9 E		K=H	1
9.5 13.3 H		N	1

No. 1900 1900

1900	H.C.	R.A.	Dec.	Magn.	C.M.	R.A.	Dec.	Magn.
2 43.5-35.9 2989	2 43.5-35.9 58	6.7						
2 46.4-36.4 3030	2 46.2-36 16	6.1						
2 46.5-36.1 3039	2 46.6-36 5	5.4						
2 40.3-36.7 2921	2 40.1-36 44	6.8						
2 52.6-36.7 3187	2 52.9-36 42	7.2	-36 1107	2 51.9-36 48.3	7.7	26		
2 28.2-36.7 2662	2 28.1-36 52	6.4						
2 36.5-37.0 2846	2 36.4-36 56	8.2						
2 53.7-37.1 3183	2 52.8-37 6	7.5						
2 53.3-36.9 3195	2 53.2-36 50	7.4						
2 42.0-37.4 2967	2 42.4-37 20	8.5						
2 44.0-37.4	-37 1050	2 43.1-37 30.3	7.7					
2 18.7-38.1 2463	2 19.0-38 2	6.6						
2 20.2-37.9 2489	2 20.3-37 49	6.6						
2 29.4-37.7 2697	2 29.5-37 50	7.8						
2 42.6-37.8 2978	2 43.0-37 46	8						
2 42.9-38.2	-38 917	2 42.1-38 15.5	8.5	26				
2 44.4-37.9 3004	2 44.6-37 50	8.5						
2 47.0-38.2	-38 937	2 46.3-38 13.5	8.0	26				
2 50.6-38.3 3129	2 50.7-38 15	8.2						
3 2.1-37.9 3359	3 2.0-37 43	7.5						
2 34.3-38.4 2806	2 34.4-38 25	6.4						
2 38.0-38.9 2872	2 38.1-38 49	6.1						
2 39.5-38.5 2902	2 39.4-38 22	8						
2 41.6-38.7 2950	2 41.7-38 36	7.8						
2 49.5-38.9 3103	2 49.7-38 51	6.0						
2 53.5-38.6 3209	2 53.7-38 36	6.2						
2 54.5-38.4 3226	2 54.7-38 24	7.3						
2 37.4-39.1 2865	2 37.6-39 2	7.8						

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Plate 4665-

8 16 Cl. Rem. ^{Nr.} Kline Lib.

10.0 11.6 A	K=H	1
10.0 13.5 A	K=H	1
9.5 18.8 E	K=H	1
11.8 15.0 G	K=H	3
11.6 16.0 ? 11.6 15.0 A	N	1
12.0 16.7 A	K=0.1H	3
11.1 19.1 H	K=H	1
12.7 19.7 A	N	5
12.8 21.3 A	N	1
14.0 7.0 G	K=H	2
13.2 8.6 A	N	1
13.1 14.1 A	K=0.2H	2
14.0 15.3 A	N	1
14.0 17.0 H	N	1
14.8 13.2 H	N	1
14.7 14.8 H	N	1
14.6 15.0 F 837	K=H	1
14.4 17.4 A	N	1
14.9 17.6 A	K=0.5H	2
14.2 22.3 F 838	K=H	1
15.0 23.5 A	N	1
15.2 12.2 H	N	1
15.9 12.2 G	K=H	2
15.9 14.8 H	N	1
15.9 20.3 H	K=H	2
16.7 7.3 A	N	2
16.4 11.0 H	N	1
16.6 16.7 H	N	1

1900		1900		1900		1900		1900	
N.G.C.		P.A.		Dec.		Mag.		C.M.B.	
1900		1900		1900		1900		1900	
2	33.0-39.4	2780	2	33.1-39.21	8				
2	37.9-39.4	2870	2	38.0-39.18	8.5				
2	52.0-39.1	3162	2	52.0-39.3	7.0				
2	42.0-40.1	2958	2	41.9-40.9	8.0				
2	44.4-40.2					-40	7242	432-40.196	8.4
2	47.1-40.4	3045	2	47.0-40.21	6.5				
2	52.7-40.0	3181	2	52.7-39.51	9				
2	54.6-40.8	3223	2	54.5-40.42	5.2				
2	59.0-40.8	3301	2	58.7-40.38	8.2				
2	20.5-41.3	2499	2	20.5-41.18	6.3				
2	25.0-40.9	2595	2	24.9-40.53	7.5				
2	39.4-40.9	2905	2	39.5-40.58	6.8				
2	42.6-41.6	2976	2	42.9-41.23	7				
2	47.0-41.6	3056	2	47.3-41.23	7.1				
2	37.0-41.9	2854	2	37.0-41.44	7.5				
2	41.4-41.8	2938	2	41.3-41.43	8				
2	42.0-41.8					-41	7882	40.8-41.458	8.036
2	48.6-41.6	3092	2	48.9-41.48	6.7	-41	8252	477-41.40.182	8.6
2	49.0-41.9	3092	2	48.9-41.48	6.7				
3	2.0-41.6	3351	3	1.5-41.22	7.8				
3	5.5-42.0	3402	3	4.9-41.43	8	-41	9043	4.0-41.493	8.396
2	34.0-42.0	2808	2	34.4-41.59	7.3				
2	34.0-42.4	2804	2	34.4-42.20	7.2				
2	40.9-42.3	2936	2	41.2-42.18	8.5				
2	57.0-42.4	2511	2		7.2	-42	9872	55.5-42.222	6.940
2	21.1-42.7	2511	2	21.0-42.37	7.2				
2	30.9-42.6	2736	2	31.2-42.33	7.3				
2	46.7-42.7	3042	2	46.6-42.37	8.5				

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Plate 4665-

H. H. Bl. Rev. Kline Int.

17.2	8.6	F	839	K=H	1
17.8	12.9	A		K=0.2H	4
17.2	13.7	H		N	1
17.8	14.4	A		N	1
17.7	16.0	F	840	K=H	2
18.8	6.4	J		K=H	2
18.1	11.9	A		N	1
19.7	12.8	F	841	K=H	1
19.6	19.8	F	842	K=H	1
17.7	21.6	H		K=H	2
20.3	21.4	A		K=H	1
21.5	12.5	F	843	K=H	2
21.4	14.3	H		K=H	1
21.3	17.7	F	844	K=H	1
22.8	14.9	A		N	1
22.2	16.2	H		K=H	2
23.9	10.4	H		K=H	2
24.1	17.0	F	845	K=H	1
22.7	20.4	F	846	K=H	1

Plate 4650 R.A. 3^h 24^m Dec. -41.6°

4.6	9.3	A		N	3
4.1	10.7	A		K=0.5H	1
4.4	14.6	A		K=0.2H	3
3.9	15.1	F		K=H	2
4.2	15.4	A		K=0.2H	3
4.0	16.1	A		N	1

No.

1900	N.Y.C	R.A	Dec.	Magn	C.M.	R.A	Dec.	Magn
2 24.7-43.0 2580	2 24.4-42° 52'	7.8						
2 35.9-43.4 2838	2 36.0-43 20	5.0						
2 38.0-43.1 2879	2 38.4-42 58	7.8						
2 40.3-43.4 2920	2 40.0-43 16	8.8						
2 41.5-43.3 2957	2 41.7-43 16	7.0						
2 18.5-43.7 2446	2 18.3-43 39	6.5						
2 33.1-43.5	-43 7982	32.3-43	3038.936					
2 35.4-44.4 2829	2 35.5-44 14	8						
2 55.0-44.3 3242	2 55.3-44 9	7						
3 0.4-44.3 3327	3 0.3-44 17	6.9						
2 59.5-44.5 3316	2 59.8-44 27	8						
2 34.5-45.4 2815	2 34.8-45 10	7.2						
2 39.6-45.3 2913	2 39.7-45 5	7.5						
2 50.4-45.1 3120	2 50.2-45 1	8						
2 41.0-45.9 2944	2 41.4-45 48	7.8						
2 45.0-45.6 3019	2 45.4-45 31	7.0						
2 29.0-46.5 2690	2 29.2-46 35	9.2						
2 47.5-46.7 3065	2 47.7-46 25	7.5	46	831	2	46.8-46	30.6	8.1
2 57.5-46.9 3280	2 57.4-45 41	8.5						

3 9.1-36.4 3490	3 9.1-36 19	6.1
3 12.8-36.1 3563	3 12.6-36 3	6.7
3 22.0-36.4 3744	3 22.1-36 17	6.2
3 23.7-36.1 3778	3 23.7-36 2	5.6
3 24.3-36.3 3793	3 24.4-36 12	6.6
3 26.0-36.1 3833	3 26.2-36 6	7.

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Plate 4650

H₂ Cl. Rem. ^{No.} Kinnic Int.

4.9 23.4 A	N 2
5.0 24.1 H	K=H 3
5.1 19.0 A	N 1
6.2 12.5 A	N 1
6.8 14.3 A	K=0.4H 2
7.0 21.3 L	K=H 3
7.6 6.6 A	K=H 1
7.7 23.6 A	N 4
9.1 14.5 A	N 1
9.1 21.7 H	K=H 1
10.7 8.8 A	K=0.5H 2
10.6 9.2 F 847	K=H 2
10.1 9.9 A	K=0.3H 2
10.5 10.6 F 848	K=H 1
11.3 9.3 H	N 1
12.0 10.7 H	N 1
13.3 9.5 A	N 3
13.0 10.0 H	N 1
12.5 13.8 H	K=H 2
12.7 18.9 G	K=H 3
13.0 20.0 A	K=1.3H 2
13.9 20.5 A	N 2
13.7 21.6 H	K=H 2
13.3 23.4 F 849	K=H 1
14.8 14.1 H	N 1
15.0 14.7 E	K=H 1
14.9 16.3 F 850	K=H 3
15.0 15.8 F 851	K=H 1

No.		1900	1900				
1900	A.G.C	R.A.	Dec.	Magn.	C.A.M	P.A.	Dec. Magn.
3 ^R 44.0-36.4	4225	3 ^R 44.0-36.24	6.7				
3 45.5-36.6	4256	3 45.7-36.30	4.1				
3 33.0-36.7	3999	3 33.2-36.37	7.5				
3 16.6-37.2	3638	3 16.8-37.8	8				
3 21.4-37.6	3734	3 21.4-37.31	7.2				
3 39.0-37.6	4121	3 39.1-37.38	4.8				
3 2.0-37.8	3359	3 2.0-37.43	7.5				
3 45.0-37.9	4241 4242	3 44.9-37.55	5.5 4.8				
3 22.0-38.8	3739½	3 21.8-38.40	7.5				
3 40.3-38.7	4145	3 40.4-38.36	7.2				
3 7.0-39.5	3446	3 6.9-39.26	7				
3 8.0-39.4	3468	3 8.0-39.24	7.2				
3 10.0-39.2	3509	3 10.0-39.10	6.8				
3 11.9-39.5	3554	3 11.9-39.25	7.8				
3 8.2-39.7	3474	3 8.1-39.44	7				
3 11.9-40.1	3547	3 11.7-40.8	7.8				
3 8.6-40.8	3482	3 8.5-40.47	7.3				
3 10.5-40.7	3518	3 10.4-40.37	7.5				
3 20.2-40.4	3703	3 19.9-40.26	7.2				
3 33.5-40.7	4006	3 33.5-40.36	4.8				
3 36.3-40.7	4054 4055	3 36.2-40.40	8 6.9				
3 37.5-41.0	4083	3 37.5-40.54	7.8				
3 40.5-40.9	4148	3 40.6-40.58	6.6				
3 45.5-40.7	4250	3 45.3-40.42	7.2				
3 20.0-41.6	3713	3 20.5-41.35	7				
3 21.7-41.7	3750	3 22.1-41.41	7.8				
3 26.6-41.7	3846	3 26.7-41.43	6.4				
3 30.5-41.7	3934	3 30.5-41.41	7.5				

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Plate 4650

8 Hb Cl. Rem. ^{No.} Kline Int.

15.2 10.0 H	N	1
15.5 14.9 A	K=0.2H	3
15.3 15.4 A	N	1
15.8 20.5 A	K=H	2
17.2 16.1 A	N	1
17.4 16.2 A	K=0.4H	3
17.9 23.4 A	N	2
18.4 12.5 G	K=1/2H	4
19.9 15.5 F 852	K=H	2
19.7 18.4 A	K=H	2
20.5 6.9 H	N	1
21.2 10.1 F 853	K=H	2
23.7 11.2 F 854	K=H	2
23.6 14.5 A	N	2
24.2 20.6 F 855	K=H	2

Plate 5683 P.A. 4^h 00^m Dec. - 41.4°

4.9 8.2 A	N	2
4.9 9.9 K	K=H	3
4.7 14.0 A	N	1
4.7 18.2 F 556	K=H	2
5.4 9.4 A	N	2
5.2 11.4 A	K=H	2
6.9 6.3 F 857	K=H	1
6.5 14.8 A	K=0.5H	2
6.4 16.2 H	K=H	2
6.4 15.7 H	N	1

1900	No.	1900	1900				
	J. G. C.	R. A.	Dec.	Magn.	C. M. R. A.	Dec.	Magn.
3 ^h 9 ^m 20 ^s - 41.7	3501	3 ^h 9 ^m 6 ^s - 41 ^o 45'	7.2				
3 22.5 - 42.1	3757	3 22.6 - 42 0	6.5				
3 24.5 - 41.9	3796	3 24.3 - 41 51	8.2				
3 38.0 - 42.1	4094	3 37.9 - 42 4	7.8				
3 26.0 - 42.7	3831	3 26.0 - 42 49	7.2				
3 26.5 - 42.9	3840	3 26.5 - 42 59	6.1				
3 46.5 - 43.1	4276	3 46.4 - 43 1	7				
3 15.5 - 43.5	3623	3 15.8 - 43 27	4.4				
3 24.5 - 44.2	3795	3 24.3 - 44 12	6.8				
3 32.4 - 44.1	3973	3 32.4 - 44 3	7.0				
3 0.4 - 44.3	3327	3 0.3 - 44 17	6.9				
3 8.6 - 44.8	3487	3 8.9 - 44 47	6.2				
3 11.7 - 46.1	3550	3 11.8 - 46 2	6.7				
3 21.5 - 46.1	3732	3 21.2 - 46 1	8.5				
	3733		7				
3 39.0 - 46.3	4119	3 39.0 - 46 16	6.7				

3 44.0 - 36.5	4225	3 44.0 - 36 24	6.7				
3 45.6 - 36.6	4256	3 45.7 - 36 30	4.1				
3 58.0 - 36.5	4503	3 58.2 - 36 23	8.5				
4 9.0 - 36.5	4713	4 8.8 - 36 24	7				
	4715	4 8.9 - 36 24	7.8				
3 47.0 - 36.8	4286	3 46.9 - 36 43	7.0				
3 52.0 - 36.7	4389	3 51.7 - 36 37	7.5				
3 39.5 - 37.4	4121	3 39.1 - 37 38	4.8	37	14173	38.5 - 37 26.9	8.0
4 0.3 - 37.4	4547	4 0.1 - 37 21	6.9				
4 4.0 - 37.4	4621	4 4.0 - 37 20	6.9				
4 10.3 - 37.3	4749	4 10.3 - 37 17	7				

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8 Hb. Col. Run. ^{No.} Kline Int.

6.7 19.2 A	K=0.2H 2
7.3 6.4 H	K=H 3
7.7 8.7 A	N 4
7.6 10.2 A	N 1
7.9 21.9 H	K=H 2
8.4 11.5 H	N 1
8.8 18.9 G	K=H 2
8.9 17.2 G	K=H 2
9.2 7.1 H	K=H 2
9.8 11.5 A	N 3
10.0 19.7 A	K=0.2H 2
10.0 20.0 A	N 1
10.2 7.4 F 858	K=H 2
10.3 19.8 H	N 1
10.9 10.3 E	K=H 1
10.2 12.0 A	N 3
10.2 13.5 A	N 1
11.0 14.6 H	N 1
10.7 22.5 A	N 1
11.6 9.6 H	N 1
11.5 10.9 H	N 1
11.8 14.6 A	K=0.4H 2
11.8 15.0 A	N 1
11.5 19.6 A	N 2
11.5 20.3 A	N 1
12.5 10.2 H	
12.9 11.3 A 859	K=H 3
12.1 12.1 A	K=H 2

No. 1900 1900

1900	A.G.C	R.A.	Dec.	Magn.	B.M.	R.A.	Dec.	Magn.
4 ^h 11.6-37.5	4777	4 ^h 11.6-37.5	27	6.8				
3 39.0-37.6	4121	3 39.1-37.38	4.8					
3 45.0-37.9	4241 4242	3 44.9-37.55	5.5 4.8					
3 49.0-37.9	4323	3 48.7-37.49	8					
4 18.2-38.1	4900	4 18.2-38.1	7.2					
3 51.8-38.4	4390	3 51.8-38.17	7.8					
4 10.9-38.6	4758	4 10.8-38.31	7.1					
4 11.6-38.6	4780	4 11.7-38.33	7.1					
3 40.5-38.8	4145	3 40.4-38.36	7.2					
3 51.7-39.1	4387	3 51.7-39.4	6.8					
4 13.0-39.2	4804	4 13.0-39.8	7.2					
4 13.6-39.2	4815	4 13.8-39.5	8.2					
3 41.2-39.2	4158	3 41.1-39.8	7.4					
3 47.0-39.3	4293	3 47.1-39.17	7.8					
3 48.5-39.6		39 1226 3 47.7-39.380	8.03/2					
3 53.0-39.3	4404	3 52.9-39.15	7.0					
3 57.0-39.4	4473	3 56.9-39.14	8					
4 0.0-39.7	4538	3 59.6-39.39	7.5	39 1303 3 58.7-39.423	7.496			
4 20.4-39.5	4942	4 20.3-39.22	8.5					
3 46.6-39.9	4277	3 46.6-39.55	8					
3 50.0-39.9	4352	3 50.1-39.50	8.5					
3 59.6-40.1	4536	3 59.5-40.5	7					
4 1.1-40.1		40 1208 4 0.1-40.63	8.4					
4 12.5-39.9	4797	4 12.7-39.52	8.5					
4 14.6-39.9		39 1427 4 13.8-39.527	8.736					
3 48.0-40.5	4310	3 47.9-40.23	8					
3 50.7-40.7	4368	3 50.9-40.40	6.2					
3 53.0-40.3	4408 4409	3 53.1-40.13	7.7 7.1					

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8 Hb Cl. Rev. ^{Mr.} Kline Int.

12.3	12.3	H	K=H	2
12.8	18.5	J	K=H	2
12.3	19.1	A	N	1
12.4	22.5	A	N	2
12.8	23.9	A	N	1
13.4	5.5	A	N	3
13.5	7.4	J	K=H	2
13.2	9.2	F	860 K=H	2
13.1	12.9	F	861 K=H	1
13.4	15.5	A	N	1
13.3	17.4	A	K=H	2
13.9	18.9	H	K=H	2
13.4	23.5	A	N	2
13.3	23.9	F	862 K=H	2
14.2	6.4	A	K=H	2
15.0	9.1	A	N	1
14.5	11.0	F	863 K=H	2
14.5	11.9	F	864 K=H	1
14.5	15.2	A	N	1
14.9	18.6	A	N	1
14.5	21.7	F	865 K=H	2
15.8	6.0	F	866 K=H	1
16.0	6.6	A	N	2
15.2	12.1	F	867 K=H	1
16.0	13.2	F	868 K=H	2
15.5	13.8	F	869 K=H	1
16.0	17.5	A	K=H	4
16.0	20.9	A	N	1

1900		No.	1900	1900	J.G.C. R. a Dec. Magn. C.M. R.L. Red. Mag.	
^h ^m ^s			^h ^m ^s			
3 53.6-40.4	4415	3	53.5-40.20	7.1		
4 10.3-40.6	4747	4	10.2-40.37	6.6		
4 12.0-40.4	4779	4	11.6-40.18	8.2		
4 20.4-40.3	4952	4	20.8-40.17	7.5		
4 24.0-40.5	5012	4	23.9-40.26	8.2		
3 36.3-40.7	4054 4055	3	36.2-40.40	8 6.9		
3 40.9-40.9	4148	3	40.6-40.58	6.6		
3 45.4-40.8	4250	3	45.3-40.42	7.2		
3 55.4-40.8	4439	3	55.1-40.44	8.2		
4 2.4-40.9					-40 1216 4	1.4-40 51.98.3 $\frac{3}{6}$
4 7.1-40.9	4680	4	7.1-40.48	8		
4 11.0-41.2	4768	4	11.1-41.8	7.5		
4 23.0-40.9	4997	4	23.2-40.45	6.8		
4 24.3-40.8	5015	4	24.1-40.42	7.3		
3 37.6-41.1	4088	3	37.6-41.5	7.1		
3 45.0-41.6					-41 1150 3	43.9-41 42.3 8.0 $\frac{3}{6}$
3 49.5-41.6	4350	3	50.0-41.32	7.5		
3 52.1-41.5					-41 1202 3	51.5-41 26.48.4 $\frac{3}{6}$
4 1.4-41.5					-41 1272 4	0.4-41 37.0 8.9 $\frac{3}{6}$
4 10.1-41.7					-41 1325 4	9.4-41 42.3 8.5 $\frac{3}{6}$
4 18.0-41.5	4908	4	18.5-41.27	7.2		
3 36.4-41.9					-41 1090 3	35.6-41 55.9 8.5 $\frac{3}{6}$
3 37.9-42.1	4094	3	37.9-42.4	7.8		
3 52.5-41.8	4402	3	52.7-41.46	8.2		
3 56.0-42.2	4455	3	55.9-42.11	8.5		
3 57.2-42.0	4481	3	57.1-42.2	8.8		
4 7.5-42.3	4686	4	7.4-42.15	5.3		
4 16.5-42.2	4869	4	16.4-42.11	8		

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V Hb Cl. Rem. ^{Mr.} K line Int.

15.8 21.7	A		K=H	1
16.3 7.7	H		N	1
16.6 8.2	H		N	1
16.3 10.9	F	870	K=H	1
16.8 13.2	F	871	K=H	2
16.9 13.6	F		K=H	2
16.6 18.7	L		K=H	4
16.3 24.0	H		K=H	1
17.8 9.9	A		K=0.4H	2
17.9 16.3	G		K=H	2
17.8 16.6	F	872	K=H	1
17.4 17.3	H		K=H	1
17.4 19.5	F	873	K=H	1
17.8 21.5	H		K=H	1
17.9 23.9	A		N	1
18.6 11.4	H		K=H	1
18.4 12.3	H		K=H	2
18.8 14.5	H		N	1
17.1 6.5	H		N	1
17.7 6.3	H		N	1
19.1 7.0	F	874	K=H	1
19.4 12.3	F	875	K=H	1
20.0 13.5	J		K=H	2
19.5 17.1	F	876	K=H	1
19.5 20.4	A		N	1
19.1 20.8	H		N	1
19.2 22.2	F	877	K=H	1
20.1 7.1	H		N	1

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& H₂ Cl. Rem. K line Int.

20.1 9.0 H	N	1
20.4 10.5 A	K=H	1
21.0 10.5 A	K=H	1
20.7 11.0 A	N	1
21.0 14.1 F 878	K=H	1
20.7 14.7 A	N	1
20.4 15.0 H	N	1
20.9 14.8 F 879	K=H	1
20.8 15.1 H	K=H	1
20.6 20.6 J	K=H	3
20.3 22.5 A	N	1
20.5 22.8 F 880	K=H	3
22.2 11.2 H	N	1
21.7 12.9 H	N	1
21.5 14.5 A	K=H	2
21.5 15.0 A	N	2
21.4 15.3 H	N	1
22.0 16.2 F 881	K=H	1
25.5 18.2 F 882	K=H	1
22.3 21.2 H	N	1
22.0 22.9 A	N	1
23.0 10.3 J	K=H	2
23.4 15.7 A	K=H	2
23.5 20.1 F 883	K=H	1
23.8 16.7 A	K=H	2
24.3 18.7 F 884	K=H	2
24.0 15.4 H	N	1
24.4 14.3 H	K=H	2

V = 21.5 ?

1900 J.G.C. R.A. Dec. Magn. C.M. R.A. Dec. Magn.

3 43.7 ^h -44.2 4215	3 43.6 ^h -44.7 8.2		
3 47.8 -44.4 4306	3 47.7 -44.23 7.8		
3 47.9 -44.7 4308	3 47.8 -44.40 7.8		
3 49.1 -44.5 4332	3 49.1 -44.29 9.5		
3 58.4 -44.8 4498	3 57.9 -44.44 8.5		
4 0.0 -44.6 4540	3 59.8 -44.40 8		
4 0.6 -44.4 4553	4 0.2 -44.25 8		
4 0.4 -44.7 4563	4 0.5 -44.44 8.5		
4 9.5 -44.7 4729	4 9.4 -44.37 7.0		
4 16.2 -44.5 4863	4 16.2 ¹ -44.3 ⁰ 5.8		
4 21.1 -44.3 4964	4 21.4 -44.15 8.2		
4 22.1 -44.4 4974	4 22.2 -44.23 6.6		
3 49.5 -45.4 4341	3 49.4 -45.15 7.8		
3 55.0 -45.2 4431	3 54.5 -45.2 8.5		
3 59.6 -45.0			
4 1.2 -45.1 4586	4 0.6 -45.1 7.8	45 1375 3	58.3 -45.0 78.136
4 2.0 -45.0 4586	4 1.6 -44.57 7.8	45 1381 3	59.8 -45.0 467.7
4 4.4 -45.3 4643	4 5.1 -45.29 8.5	45 1388 4	0.8 -45.0 58.5
4 9.4 -45.1 4736	4 9.6 -44.56 8.2		
4 18.0 -45.5 4901	4 18.2 -45.16 8.2		
4 22.5 -45.2 4991	4 22.7 -45.4 7.8		
3 46.5 -45.7 4287	3 46.8 -45.41 7.0		
4 2.5 -46.0 4599	4 2.5 -45.56 7.8		
4 15.5 -46.0 4836	4 15.0 -45.53 7.8		
4 5.6 -46.2 4649	4 5.5 -46.8 6.7		
4 11.5 -46.4 4769	4 11.1 -46.23 6.8		
4 1.6 -46.2		46 1283 4	0.7 -46.0 467.936
3 58.0 -46.4 4506	3 58.2 -46.25 7.2		

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Plate 568³8 Ho Bl. Rem. ^N Kline Int.24.7 11.0 ^N 885 K=H 124.5 5.6 ^N 886 K=H 2Plate 4658. R.A. 6^h 00^m Dec. - 41.7

4.3 7.3 A K=H 2

4.5 13.1 A N 1

4.9 14.5 A N 1

4.1 15.6 A N 1

4.3 13.1 A N 1

4.5 13.6 A N 2

4.9 22.2 J K=H 2

5.6 10.9 K K=H 3

5.6 13.1 H N 1

5.2 13.9 A N 2

5.8 15.6 A N 4

5.8 19.4 A N 3

5.5 22.1 A N 2

6.1 6.5 A N 1

6.5 9.8 K K=H 2

6.6 10.3 A N 1

6.4 14.0 A K=0.5H 2

6.5 19.4 K K=H 2

7.7 11.1 ^N 887 K=H 1

7.5 16.2 A N 1

7.3 23.4 ^N 888 K=H 2

8.1 7.8 A N 1

8.5 10.0 H K=H 1

No. 1900 1900
 1900 J.G.C. R.A. Dec. Mag. C.M.B. R.A. Dec. Mag.
^h ^m ^h ^m
 3 48.5-46.6 4326 3 48.7-46.27 8
 3 39.0-46.3 4119 3 39.0-46.16 6.7

5 43.1-36.3 6803 5 43.2-36 16 7.0
 5 57.5-36.5 7161 5 57.7-36 28 7.8
 6 1.0-36.7 -36 26316 0.3-36 38.7 7.836
 6 3.5-36.4 7341 6 4.1-36 18 7.2
 6 8.3-36.5 7442 6 7.9-36 23 8.5
 6 9.4-36.6 7482 6 9.3-36 36 8.2
 6 20.7-36.7 ⁷⁸⁰⁰ 7801 6 20.6-36 40 ¹⁰ 6.6
 5 52.3-37.2 7011 5 52.1-37 8 5.4
 5 57.5-37.2 7160 5 57.7-37 5 7
 5 59.5-36.9 7213 5 59.7-36 52 6.9
 6 3.6-37.2 7336 6 3.9-37 11 7.8
 6 13.6-37.2 7609 6 13.8-37 12 6.4
 6 20.4-37.2 7793 6 20.3-36 58 7.2
 5 45.7-37.3 6865 5 46.0-37 13 8
 5 49.5-37.7 6926 5 48.9-37 44 8.2
 5 51.0-37.6 6962 5 50.5-37 33 7.5
 5 59.6-37.6 7212 5 59.7-37 33 7.0
 6 13.5-37.8 7606 6 13.6-37 42 5.8
 5 52.4-38.3 7025 5 52.7-38 18 8.8
 6 5.6-38.2 7379 6 5.5-38 3 8.2
 6 23.7-37.9 7889 6 23.7-37 50 6.8
 5 44.5-38.4 6820 5 44.0-38 16 8
 5 50.0-38.7 6938 5 49.4-38 33 7.1

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Plate 4658

Hb 61. Run. Blue Int.

9.2 13.7 H	$K=H$ 1
9.7 19.2 A	$K=0.3H$ 3
9.1 20.0 H	N 1
10.4 6.5 A	$K=H$ 2
10.2 7.2 A	$K=H$ 1
10.6 19.2 A	$K=H$ 1
10.2 20.4 H	$K=H$ 4
11.2 10.9 K	$K=H$ 2
11.8 16.7 Ma	N 2
11.8 22.3 A	N 3
12.8 8.4 H	$K=H$ 1
12.6 19.6 A	N 1
13.6 9.9 H	N 1
13.5 12.1 A	N 1
13.6 15.4 A	$K=0.2H$ 3
13.4 16.3 A	$K=H$ 2
13.4 20.1 A	$K=H$ 2
13.3 22.6 A	$K=0.3H$ 2
13.5 23.8 F889	$K=H$ 3
15.0 7.5 A	$K=H$ 2
14.6 8.3 H	N 1
14.4 15.7 A	N 1
14.5 18.2 A	N 1
14.6 22.7 A	N 2
15.3 10.5 A	N 1
14.8 12.0 H	$K=H$ 1
15.7 15.4 A	$K=0.2H$ 2
15.4 15.9 A	$K=0.1H$ 3

		No.	1900	1900				
		J.G.C		P.A	Dec.	Magn.	C.L.M	R.A. Dec. Magn.
1900								
5	58.9-38.9	7186	5	58.7-38.5	6.9			
6	13.4-39.2	7598	6	13.3-39.13	6.4			
6	15.5-38.9	7653	6	15.2-38.51	7.2			
5	40.3-39.5	6736	5	40.2-39.27	6.6			
5	42.1-39.4	6776	5	42.1-39.21	7.2			
6	13.5-39.6	7604	6	13.5-39.35	8			
6	16.6-39.5	7685	6	16.5-39.27	7.0			
		7688			7.8			
5	51.5-39.9	6996	5	51.6-39.59	5.8			
6	7.0-40.4	7416	6	6.9-40.20	6.0			
6	21.5-40.3	7824	6	21.5-40.14	6.5			
5	45.0-40.7	6841	5	44.8-40.41	6.8			
6	14.4-40.7	7627	6	14.5-40.37	7.2			
5	49.0-41.2	6923	5	48.7-41.8	7.2			
5	54.0-41.1	7081	5	54.4-41.7	8.2			
6	3.3-41.2	7327	6	3.5-41.12	7.0			
6	5.6-41.2	7375	6	5.3-41.15	8.2			
6	15.6-41.1	7669	6	15.9-41.2	7.8			
6	22.5-41.0	7852	6	22.6-40.55	9.2			
		7855			7.5			
6	25.5-41.1	7931	6	25.5-41.1	6.5			
5	41.7-41.9	6775	5	42.0-41.49	7			
5	44.6-41.7	6831	5	44.4-41.37	7.2			
6	4.0-41.6	7347	6	4.3-41.33	7.5			
6	11.0-41.7	7541	6	11.1-41.38	8			
6	23.0-41.6	7868	6	23.0-41.35	7.5			
5	50.0-41.9	6956	5	50.2-41.59	8			
5	53.6-41.7	7068	5	54.0-41.46	7.2			
6	3.5-42.3	7332	6	3.6-42.17	6.8			
6	4.7-42.2	7359	6	4.8-42.8	5.8			

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Plate 4658

& Hb Col. R. H. H. H. H. H.

15.1	16.5	H	890	$K=H$	1
17.0	10.7	H		N	1
16.7	12.8	Lo		$K=1.2H$	3
16.9	13.4	A		N	2
16.8	16.2	A		N	1
17.0	17.6	A		$K=H$	1
17.0	20.1	A		$K=0.5H$	1
16.8	20.3	H	891	$K=H$	1
17.0	22.0	H	892	$K=H$	2
18.1	9.4	A		N	2
19.0	13.6	A		N	1
19.0	15.2	A		N	2
18.7	16.2	A		N	2
18.4	19.1	A		N	1
19.0	20.2	A		N	1
19.2	12.1	H	893	$K=H$	2
19.2	12.7	G		$K=H$	3
19.1	14.3	A		$K=H$	1
19.7	16.2	A		N	3
19.5	22.7	A		N	1
21.0	8.6	A		N	1
21.0	9.6	H		$K=H$	1
19.8	13.6	A		N	1
20.5	15.9	A		$K=H$	2
20.8	17.1	A		N	1
20.8	17.2	Mia		N	1
20.7	20.7	H	894	$K=H$	1
21.9	10.8	A		$K=H$	1

1900		No.	1900	1900	A.G.C. R.A. Dec. Magn		L.D.M. R.A. Dec. Magn	
6 ^h 6.5-	42.0	7457	6 ^h 6.6-	41° 57'	7.5			
5 50.4-	42.9	6959	5 50.4-	42 57	7.0			
5 56.0-	42.8	7120	5 56.1-	42 49	4.0			
5 57.5-	42.9	7164	5 57.8-	42 52	7.0			
6 5.5-	42.9					-42 2360	6 4.8-	42 469 8.5
6 9.6-	43.0	7493	6 9.5-	42 58	7.2			
6 16.0-	42.9					-42 2459	6 15.7-	42 500 8.2 2/6
6 16.5-	42.8	7694	6 16.8-	42 43	8			
6 21.5-	42.9	7822	6 21.4-	42 49	7.0			
5 47.0-	43.5	6888	5 46.9-	43 24	7.5			
5 57.7-	44.0	7155	5 58.1-	43 54	7.8			
6 3.0-	44.0	7307	6 2.7-	44 5	8.5			
6 6.0-	43.8	7389	6 5.7-	43 48	7.8			
6 14.4-	43.6	7613	6 13.8-	43 36	7.1			
6 17.0-	43.9					-43 2386	6 16.1-	43 506 8.5 2/6
5 53.5-	44.1	7067	5 53.9-	44 2	7.2			
5 55.5-	44.1	7110	5 55.6-	44 3	6.5			
5 57.0-	44.0	7155	5 57.3-	44 1	7.5			
6 5.7-	44.4	7384	6 5.6-	44 20	6.6			
6 24.0-	44.1	7899	6 24.0-	44 4	7.8			
5 44.0-	44.9	6828	5 44.1-	44 50	7.8			
5 46.5-	44.9	6883	5 46.6-	44 55	7.0			
5 58.0-	44.4	7173	5 58.0-	44 19	8.5			
6 4.7-	44.7	7363	6 4.8-	44 43	6.7			
6 7.9-	44.9	7456	6 8.1-	44 51	7.8			
6 8.1-	44.9	7460	6 8.3-	44 53	7			
6 18.3-	44.7	7730	6 18.3-	44 43	7.8			
5 50.0-	45.4					-45 2206	5 49.3-	45 196 8.1 2/6

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Plate 4658

V Hb Ch. R. Kline Int.

21.1	14.8	F	895	K=H	2
21.2	14.9	F	896	K=H	2
21.2	15.6	L		K=H	1
21.6	17.0	A		K=H	3
22.1	7.2	A		N	1
22.8	8.7	A		N	1
22.7	15.4	F	897	K=H	1
22.4	21.3	H		N	1
23.0	23.4	A		N	1
23.2	7.6	A		K=H	2
24.0	9.5	A		N	1
23.5	15.7	F	898	K=H	2
23.1	21.0	A		N	2

w
0m
45

Plate

1900		No.	1900	1900	J.G.C. R.A. Dec. Magn.		C.M. R.A. Dec. Magn.	
6	1.5-45.0	7266	6	1.6-45.2	5.8			
6	1.7-45.1	7268	6	1.6-45.11	7.5			
6	4.2-45.1	7346	6	4.1-45.5	7.0			
6	7.7-45.3	7444	6	7.8-45.15	6.5			
5	39.9-45.2	6732	5	39.9-45.17	7.5			
5	44.0-45.7	6829	5	44.1-45.41	7.2			
6	3.4-45.8	7324	6	3.3-45.48	8			
6	20.3-45.6	7788	6	20.1-45.35	6.8			
6	26.4-45.9	7951	6	26.0-45.43	7.5			
5	40.7-45.9	6756	5	40.8-45.52	6.7			
5	46.0-46.3	6870	5	46.1-46.21	8			
6	4.3-46.3	7350	6	4.2-46.11	7.0			
6	19.6-45.9	7773	6	19.6-45.55	6.8			

23. 16

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 Plate 4660 P.A. 8^h 4^m Dec. - 42°
 V Ho Cl. Runic. Blue. Lute.

3.9 8.1 A		N 1
4.0 9.2 H		N 2
3.9 13.1 A		H-H 1
3.7 14.3 A		N 1
3.7 17.5 A		N 2
3.7 17.6 A		N 2
4.9 17.0 A		N 2
4.9 17.6 A		H-H 1
4.2 19.4 A		H-0.3H 3
3.9 20.5 B	899	N 2
5.7 11.9 A		H-H 1
5.6 12.7 A		K-0.4H 2
5.5 16.4 A		K-H 2
5.7 16.6 L		N 1
5.7 18.2 F	900	H-H 1
5.6 19.2 A		N 1
5.8 19.7 A		N 1
6.2 11.3 A		N 1
6.6 6.3 A		N 1
6.7 6.8 H		N 1
6.3 15.4 A		N 2
6.7 17.1 A		H-0.2H 2
7.8 5.8 A		N 2
7.3 6.1 A		N 3
7.2 6.2 A		N 1
7.2 6.3 Ma.		H-H 3
7.2 6.7 A		N 2
7.7 7.8 A		N 1

1892F

No. 1900 1900

A.G.C. R.A. 2000 Magn. C.M. R.A. 1900 Magn.

h	m	s	No.	h	m	s	No.
7	46.5	-36.2	10285	7	46.7	-36°0'	7.8
7	49.4	-36.2	10357	7	49.4	-36 6	6.0
7	58.7	-36.1	10652	7	58.9	-36 7	7.0
8	9.5	-36.0	10955	8	9.5	-36 2	7.8
8	9.9	-36.0	10960	8	9.6	-36 0	7.8
8	10.0	-36.0	10973	8	10.2	-36 1	5.9
			10974			2	7.0
8	8.6	-36.7	10931	8	8.7	-36 41	7.2
8	10.4	-36.7	10980	8	10.3	-36 38	7.5
8	14.9	-36.4	11111	8	14.8	-36 21	4.7
8	17.5	-36.3	11194	8	17.5	-36 10	5.9
7	55.5	-37.0	10542	7	55.8	-37 2	7.8
7	57.5	-37.1	10626	7	58.0	-37 0	6.6
8	7.4	-36.9	10884	8	7.3	-36 59	6.8
8	8.0	-37.1	110899	8	7.7	-37 7	9.8
8	11.9	-37.1	11020	8	11.7	-37 3	9.2
			11021				7.2
8	14.5	-37.1	11106	8	14.5	-37 4	7.0
8	16.2	-37.1	11147	8	16.0	-37 7	7.5
7	54.2	-37.4	10504	7	54.4	-37 19	7.8
7	41.6	-37.3	10123	7	41.9	-37 22	6.8
7	43.0	-37.6	10165	7	43.0	-37 32	7.2
8	4.9	-37.4	10811	8	4.9	-37 23	6.7
8	9.4	-37.7	10945	8	9.2	-37 37	6.8
7	40.3	-37.9	10053	7	40.2	-37 58	7
7	41.0	-37.8	10088	7	41.0	-37 43	6.8
7	41.4	-37.7	10096	7	41.2	-37 49	7.8
7	41.5	-37.8	10095	7	41.2	-37 52	8.5
7	42.5	-37.7	10145	7	42.6	-37 42	6.6
7	45.0	-38.0	10239	7	45.3	-37 57	7.2

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Plate 4660

V. Hb Col. Reim. Hline Int.

8.0 10.2 A		N	1
7.1 11.8 A		K-H	1
7.5 16.3 A		K-H	1
7.8 13.3 A		N	1
7.7 13.3 A		N	1
7.5 21.2 H		N	1
9.0 6.0 A		N	1
8.2 7.3 B	901	N	3
8.7 7.4 B	902	N	4
8.7 14.7 H		N	1
9.0 16.4 A		N	2
8.3 19.4 A		N	1
9.0 19.5 A		N	2
9.0 22.4 A		N	2
9.8 5.0 A		N	1
10.0 6.6 A		N	1
9.5 7.3 A		N	1
9.8 7.3 A		N	3
9.8 11.9 A		N	2
9.5 12.1 H	903	K-H	3
9.8 16.3 A		N	2
9.7 16.6 A		K-H	2
10.0 20.4 A		K-0.4 H	3
9.2 24.3 A		N	1
9.2 24.4 A		N	2
10.2 11.6 A		N	1
10.7 13.7 A	904	N	5
11.0 14.8 A		N	1

1900		No.	1900	1900	Dec. Magn.		C.D.W.	Alt.	Dec.	Magn.	
7	51.6-38.2	10417	7	51.3-38.9	8						
7	55.5-37.9	10532	7	55.5-37.4	7.8						
8	7.2-38.1	10882	8	7.1-37.5	7						
8	10.0-38.2					-38	4187	8	8.8-38	3.2 7.5 3.6	
8	11.4-38.4					-38	4205	8	9.9-38	8.2 7.7	
8	19.6-37.9	11245	8	19.6-37.5	6.9						
7	40.6-38.7	10069	7	40.6-38.3	8						
7	43.9-38.3	10188	7	43.9-38.1	5.9						
7	47.4-38.7	10350	7	47.1-38.3	4.9						
8	2.6-38.7	10752	8	2.7-38.3	7.8						
8	7.5-38.8	10885	8	7.4-38.4	8.2						
8	15.5-38.4					-38	4285	8	14.1-38	17.3 7.9 3.6	
8	15.4-38.8	11122	8	15.3-38.4	7.5						
8	22.6-38.8	11332	8	22.6-38.4	7						
		11333			7.2						
7	38.9-39.1	10018	7	39.1-38.5	7.8						
7	41.6-39.2	10124	7	41.9-39	7	7.8					
7	43.5-38.9	10178	7	43.7-38.5	7.8						
7	43.5-39.1	10177	7	43.6-39	5	6.9					
7	55.6-39.3	10537	7	55.6-39	8						
7	56.0-39.1	10546	7	56.0-39	1	5.9					
8	5.0-39.3	10816	8	5.0-39	12	7.2					
8	8.0-39.4	10901	8	7.8-39	19	4.8					
8	17.7-39.3	11199	8	17.8-39	18	6.5					
8	27.4-38.7	11460	8	27.4-38	43	7.4					
8	27.7-38.8	11468	8	27.7-38	44	6.6					
7	55.0-39.4					-39	3839	7	53.8-39	16.4 8.0 3.6	
8	0.2-39.7	10691	7	0.1-39	43.2	5	-39	3989	8	1.8-39	44.0 7
8	3.5-39.9	10754	8	28-39	48	7.5	-39	3989	8	1.8-39	44.0 7.5

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Plate 4663

V Ho Ed. Rims Klein Lint.

10.3 18.5 H	N	1
11.2 6.0 A	N	1
11.9 6.2 A	N	2
11.3 7.2 A	N	3
11.3 12.6 A	N	2
11.3 13.5 A	N	2
11.5 14.8 A	N	1
11.3 17.6 Lo	K-H	3
11.3 18.9 A	N	1
11.5 19.4 A	N	1
11.8 20.5 A	K-H	1
H = 21.1? 11.7 20.1 A	N	1
11.9 24.0 A	N	2
12.4 7.9 Ma	N	1
12.5 8.3 B 905	N	2
12.1 9.4 Lo	K-H	4
12.4 11.1 B 906	N	2
12.4 11.6 H	K-H	1
12.4 12.3 A	N	1
13.0 13.6 Ma	N	1
12.3 16.5 H	N	1
11.8 17.8 A	N	1
12.3 17.8 B 907	N	2
12.9 20.2 A	N	1
12.9 20.7 Fr 908	K-H	1
Lo this 21.7? 12.3 11.7 A	N	2
13.5 5.5 A	N	1
13.1 6.3 K	K-H	3

No.		1900	1900	1900
1900	A. G. C.	R. A.	Dec. Magn.	C. W. R. A. Dec. Mag.
13.0-39.5	11050	8	12.8-39.26	7.5
40.1-39.7	10061	7	40.4-39.38	7.2
40.4-40.1	10062	7	40.4-40.5	7.0
42.8-39.9	10169	7	43.1-39.49	7.0
57.2-40.1	10596	7	57.2-39.55	7.8
59.6-40.1	10673	7	59.5-40.7	7.8
3.0-40.3	10756	8	3.0-23.42	8.2
10.5-40.1	10984	8	10.5-40.2	4.8
14.0-40.0	11080	8	13.7-39.56	8.2
15.5-40.2	11117	8	15.1-40.1	8.2
18.0-40.2	11256	8	17.9-40.12	8.8
19.6-40.2	11244	8	19.6-40.4	7.5
26.6-40.3	11447	8	27.0-40.11	7.2
	11449	8		7.8
45.0-40.4	10220	7	44.8-40.24	var.
45.6-40.5	10256	7	45.9-40.27	7.0
48.6-40.4	10343	7	48.8-40.19	4.0
53.0-40.5	10465	7	53.0-40.28	7.0
54.5-40.5	10506	7	54.5-40.31	7.2
56.4-40.5	10575	7	56.8-40.20	8.5
59.4-40.9	10667	7	59.3-41.2	8.8
	10668	7		6.2
7.6-40.5	10895	8	7.6-40.27	7.0
10.9-40.3			-40 4012 8	100-40 7.9 8.3
11.0-40.6	10999	8	11.0-40.31	6.9
17.0-40.8			-40 4120 8	16.4-40 408 7.7 36
18.5-40.8	11225	8	18.6-40.41	7.7
53.9-40.7	11292	8	21.0-40.26	7.8
			-40 4212 8	20.1-40 207 7.3 36
38.0-41.0	9784	7	38.0-40.55	8
40.3-40.8	10060	7	40.2-40.42	5.8

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Plate 4660

V Ho Cl. Rumi. Kline Int.

13.0	8.6	A	N	2
13.4	11.3	A	K-H	1
13.4	13.5	A	N	3
13.1	16.1	A	N	1
13.9	21.5	A	K-H	1
13.3	22.3	A	N	1
13.4	23.0	A	N	1
13.2	23.2	A	N	1
13.9	23.5	A	N	1
13.9	24.0	H	K-H	1
14.1	9.7	B 909	N	2
14.3	10.2	A	N	2
14.3	10.5	H	N	1
14.2	11.4	A	N	1
14.2	11.9	A	K-H	2
14.4	12.9	A	N	1
14.9	13.3	A	N	1
14.4	15.3	B 910	N	2
14.3	16.9	H	N	1
14.9	18.0	A	N	1
14.8	21.3	A	N	1
15.0	22.1	B 911	N	3
14.6	24.5	A	N	1
15.8	6.1	A	N	1
15.7	9.7	A	N	2
15.6	11.5	K	K-H	2
15.4	12.7	A	K-H	2
15.9	16.1	A	N	2

Mrs. F.
says that
the powder
does not affect
clothes of spot.
of the brighter
which is
class B

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Plate 4660

Hb Cl. Rim K line Int.

15.7 18.9 B	911	K-H	1
15.8 19.5 H		K-H	1
15.8 22.4 A		N	1
16.0 23.2 A	912	N	1
16.4 6.2 A		N	2
16.2 8.1 A		N	1
16.7 9.6 B	913	N	3
16.9 13.0 A		N	2
16.4 13.4 A		N	1
16.6 13.9 J		K-H	2
16.3 14.3 A		K-H	1
16.6 16.7 B	914	K-H	3
16.4 20.5 A		N	1
16.2 17.4 A		N	1
16.4 21.1 A		N	1
16.3 21.7 B	915	N	3
17.8 5.7 A		N	1
17.9 8.0 A		K-H	1
17.7 8.6 A		N	2
17.8 11.6 B	916	N	3
17.8 11.8 A		N	1
17.7 12.6 A		N	1
17.5 17.0 H		N	1
17.2 21.0 A		N	2
17.5 21.7 A		N	1
17.6 23.4 A		N	1
18.6 6.0 A		N	2
18.7 7.4 A		N	3

1900		No.	1900	1900	C.M. R.A. Dec. Mag.	
A.G.C.		R.A.		Dec. Mag.		
8	13.9-42.3	11087	8	13.7-42.13	7.2	
8	15.1-42.3	11128	8	15.5-42.13	7.5	
8	23.0-42.3	11354	8	23.2-42.12	8	
8	25.4-42.3	11411	8	25.4-42.15	6.8	
7	39.4-42.3	10029	7	39.4-42.20	7.8	
7	44.9-42.3					-42 3541 7 44.0-42 11.6 8.38
7	48.5-42.7	10334	7	48.4-42.38	6.6	
7	57.4-42.7					-42 3786 7 56.7-42 42.9 8.38
7	58.5-42.6					-42 3801 7 57.9-42 25.5 8.7
8	0.3-42.7	10695	8	0.1-42.40	7.0	
8	1.0-42.7	10714	8	1.1-42.38	8	
8	7.9-42.7	10913	8	8.0-42.41	5.4	
8	18.0-42.6	11216	8	18.3-42.31	8.2	
8	10.0-42.5					-42 4009 8 9.1-42 19.5 8.68
8	19.9-42.6	11256	8	19.8-42.40	8.5	
8	21.5-42.5	11303	8	21.5-42.27	6.5	
7	37.7-43.0	9980	7	37.7-42.57	7.8	
7	44.1-43.1	10190	7	43.9-43.6	7.8	
7	45.6-43.1	10253	7	45.6-43.4	8.2	
7	53.5-43.2	10489	7	53.7-43.14	6.6	
		10472	7	53.8-43.13	7.2	
7	54.5-43.2					-43 3776 7 53.6-43 9.8 9.238
7	56.5-43.2					-43 3818 7 53.7-43 5.0 8.638
8	8.5-43.2	10934	8	8.7-43.6	7.3	
8	19.0-43.0	11247	8	19.6-42.55	7.2	
8	21.5-43.2					-42 4221 8 20.8-42 57.5 8.2
8	26.1-43.1					-42 4305 8 25.3-42 54.9 8.3
7	38.1-43.5	9994	7	38.2-43.24	7	
7	42.0-43.6	10133	7	42.1-43.31	6.5	

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5 Hb Col. Rem. Kline Inst.

19.0 10.5 A	K-H 1
18.5 11.2 A	N 2
19.0 11.8 B 917	N 3
18.5 13.0 A	N 1
18.9 16.1 B 918	N 3
16.9 22.0 A	N 1
19.3 8.9 A	N 1
19.6 10.9 A	N 2
20.0 11.4 A	N 1
Volt quite right? 19.9 13.5 H	N 1
" " " " 20.0 13.7 A	N 2
19.8 17.7 A	K-H 2
To the 18.8 instead of 19.8 19.8 20.1 A	N 1
19.2 20.8 H	N 1
19.1 23.2 B 919	N 3
20.6 6.2 A	N 2
21.0 7.6 A	N 1
21.5 7.1 H	K-H 2
20.1 7.5 H	K-H 2
20.8 12.7 A	N 2
Y = 20.8 or 21.0? 20.0 14.7 A	N 2
20.8 17.5 A	K-H 1
20.3 20.4 A	N 1
20.4 20.8 A	N 1
20.2 23.2 A	N 3
20.3 23.7 A	N 2
21.5 6.8 J	K-H 3
21.9 12.2 Lo	K-H 2

no.

1900

1900

A. G. C. R. A. Dec. Magn. C. M. R. A. Dec. Magn.

1900					
7 50.5-43.7	10401	7 50.7-43.44	8		
7 52.5-43.6	10454	7 52.5-43.35	6.7		
7 54.4-43.9	10496	7 54.1-43.50	5.7		
7 57.5-43.6				-43 3835	7 56.7-43 28.2 9.036
8 6.5-43.9	10856	8 6.3-43 49	5.9		
7 22.5-43.8				-43 4276	8 21.7-43 37.0 8.936
7 46.0-43.9				-43 3614	7 45.2-43 46.4 8.470
7 51.5-44.1	10425	7 51.5-44 6	7.1		
	10426	7 51.6-44 7	7.4		
7 52.7-44.4	10460	7 52.7-44 21	8		
7 59.5-44.4	10666	7 59.2-44 23	7.0		
7 59.4-44.3				-44 3980	7 58.4-44 19.2 7.000
8 10.7-44.3	10997	8 10.8-44 16	7.2		
8 16.5-43.9	11188	8 17.2-43 57	7.8		
7 19.0-43.9				-43 4223	8 18.4-43 47.2 8.536
7 25.6-43.9				-43 4337	8 24.9-43 44.7 6.440
7 38.3-44.4	9996	7 38.2-44 23	6.9		
7 42.1-44.7	10140	7 42.3-44 39	8		
7 46.2-44.5	10273	7 46.3-44 30	6.9		
7 47.5-44.3	10310	7 47.5-44 20	6.9		
7 56.7-44.8	10583	7 56.9-44 45	8		
8 2.4-44.9	10748	8 2.5-44 53	7.2		
8 16.0-44.7	11136	8 15.6-44 44	8.5		
	11137		9		
8 17.9-44.7	11214	8 18.1-44 41	8.2		
8 19.0-44.6	11241	8 19.3-44 33	7.5		
8 26.0-44.4	11428	8 26.0-44 23	8		
	11429		6.2		
8 27.1-44.5	11459	8 27.2-44 24	6.9		
7 39.6-44.9	10042	7 39.9-44 58	5.6		
7 54.7-45.3	10516	7 54.7-45 18	5.6		

$$H^p = 13.0$$

Plate 4957 R.A. $9^h 24^m$ Dec. -41.7
4.6 61 a

1900 1900 1900
 A.G.C. R.A. Dec. Magn. C.M. R.A. Dec. Magn.
 7 55.6-44.9 10547 7 55.9-44.5 6.6
 7 57.0-45.3 10599 7 57.2-45.11 7
 7 57.4-45.1 -44 3951 7 56.6-44 59.5 7.6 36
 7 58.5-45.0 -44 3962 7 57.6-44 53.2 8.0 36
 7 59.0-45.3 10660 7 58.9-45 15 8.5
 8 2.0-45.2 10733 8 2.0-45 7 8.2
 10735 8 2.0-45 7 8.5
 7 51.5-45.5 10431 7 51.7-45 24 7.5
 7 52.5-45.8 10461 7 52.8-45 43 7.2
 8 8.0-45.5 10916 8 8.1-45 31 7.8
 8 9.4-45.9 10953 8 9.3-45 57 6.6
 11005 8 11.1-45.6 11008 8 11.2-45 31 6.4
 8 19.6-45.4 11264 8 20.2-45 18 7.5
 8 25.5-45.3 -45 4173 8 25.0-45 8.3 8.0 36
 8 28.1-45.5 11485 8 28.3-45 27 7.3
 8 29.5-45.4 11530 8 29.7-45 25 7.0
 7 46.4-46.2 12029 8 46.8-46 7 9.5
 10509 7 54.4-46 3 7.2
 7 54.1-46.3 10514 7 54.6-46 19 7.5-45 3603 7 53.6-45 59.6 7.7 36
 7 54.6-46.6 10514 7 54.6-46 19 7.5-46 3616 7 53.8-46 15.2 8.0 36
 8 8.6-46.4 10941 8 8.9-46 20 6.3
 8 10.5-46.3 10989 8 10.6-46 16 7.5
 8 11.5-46.2 11024 8 11.7-46 10 6.8
 8 12.6-46.1 11049 8 12.7-46 0 7.0
 8 26.6-46.0 11438 8 26.5-46 0 6.7
 8 4.0-46.4 -46 3804 7 3.3-46 16.3 8.3 36
 9 2.0-36.6 -36 53559 1.4-36 18.3 8.3 36

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to the 6th. Run. Kline Int.

4.5 7.8 A	N 1
4.5 13.5 A	N 1
4.3 14.6 A	N 1
4.7 15.6 A	K=H 1
4.8 20.4 A	N 1
5.0 23.4 J	K=H 2
5.5 6.9 A	N 2
5.8 9.4 G	K=H 2
5.4 10.0 F 925	K=H 3
5.4 10.7 G	K=H 1
5.6 11.7 J	K=H 2
6.0 13.2 A	K=0.2H 2
5.0 16.6 A	N 1
5.4 17.4 A	N 1
5.1 17.5 A	N 1
5.8 21.5 A	N 1
6.7 13.7 A	N 2
6.9 15.0 A	N 1
6.6 17.2 A	N 1
7.0 22.5 H	N 1
7.8 9.2 A	K=0.2H 3
7.7 9.5 A	N 1
7.6 10.0 K	K=H 3
7.2 15.3 A	K=0.5H 3
7.3 15.8 A	N 1
7.1 16.6 A	N 1
7.7 16.9 G	K=H 2
7.9 18.4 A	N 1

1903		No.	1900	1900	J.G.C. R.A. Dec. Magn.		C.M. R.A. Dec. Magn.	
9 ^h 6.1	-36.5	12467	9 ^h 5.7	-36° 35'	8.8			
9 20.6	-36.6					-36 5642	9 19.5	-36 2448.0
9 23.4	-36.4					-36 5682	9 22.3	-36 2007.3
9 26.1	-36.7					-36 5723	9 25.1	-36 3238.3
9 38.0	-36.7					-36 5886	9 36.8	-36 3047.8
9 45.2	-36.8	13397	9 45.2	-36 43	6.4			
9 4.0	-37.0	12429	9 4.2	-36 57	8.5			
9 10.9	-37.2	12600	9 11.0	-37 11	6.6			
9 11.9	-37.0	12620	9 11.8	-37 0	5.1			
9 13.7	-37.0	12656	9 14.0	-36. 58	7.5			
9 16.6	-37.2	12715	9 16.5	-37 9	6.7			
9 16.9	-37.3					-37 5721	9 18.7	-37 1346.9
9 28.9	-36.8					-36 5757	9 27.6	-36 40.1
9 30.4	-37.0					-36 5787	9 29.4	-36 5158.3
9 30.9	-36.9					-36 5790	9 29.7	-36 41.5
9 40.7	-37.1					-36 5915	9 39.7	-36 58.9
9 21.0	-37.7					-37 5748	9 20.1	-37 328.0
9 24.4	-37.8					-37 5803	9 23.3	-37 4057.7
9 30.6	-37.7					-37 5884	9 29.2	-37 31.8
9 44.0	-38.0	13356	9 43.4	-37 44	7.5	-37 6073	9 42.4	-37 36.4
9 9.5	-38.2	12560	9 9.5	-38 12	7			
9 10.4	-38.2					-38 5388	9 9.4	-38 1086.6
9 11.5	-38.2	12617	9 11.7	-38 9	5.5			
9 25.5	-37.9	12939	9 25.2	-37 57	6.6			
9 26.5	-37.9	12979	9 26.5	-37 55	9.2			
9 28.5	-37.9					-37 5858	9 27.4	-37 46.0
9 29.5	-38.1	13049	9 29.2	-38 12	7.5			
9 33.5	-38.2					-38 5736	9 32.1	-38 8.4

Ms. J. said to take lower
of two stars, upper one superposed.

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Plate 4957

V Ho Cl. Rumi^{Nr} Kline Int.

7.8	21.5	A		N	1
7.4	22.7	F	926	K-H	1
8.6	5.6	A		N	1
8.4	6.8	Iran		N	1
8.3	7.3	A		N	2
9.0	8.6	A		N	3
8.6	11.2	A		K=0.2H	3
8.3	11.5	A		N	1
9.0	12.8	H		N	1
8.7	13.5	A		N	1
8.4	15.3	H		N	1
8.3	16.4	A		K=0.2H	2
8.6	16.8	A		K=H	3
8.4	23.7	A		N	1
9.3	10.6	K		K=H	3
7.4	11.4	H		N	1
9.2	12.7	H		N	1
9.9	12.9	I		K=H	2
9.2	13.5	A		K=0.5H	3
9.3	17.3	A		N	1
10.0	18.6	A		K=H	1
9.6	19.0	F	927	K=H	2
9.9	19.9	A		N	1
9.6	21.9	A		K=H	2
9.2	22.1	F	928	K-H	1
10.4	7.0	A		K=H	1
10.3	9.3	A		N	1
11.0	10.0	A		N	1

M=21.3?

No. 1900 1900

A.G.C. R.A. Dec. Magn. C.M. R.A. Rev. Magn.

1900 9 ^h 40.9-38.3					-38 5870 9 39.9-38 0.98/436
9 44.0-38.0 13365	9 43.8-37 54 7.5				
9 0.5-38.7					-38 5200 8 59.3-38 2.128.736
9 3.5-38.5 12412	9 3.4-38 25 8.5				
9 4.9-38.6					-38 5292 9 3.7-38 1648.336
9 7.8-38.9 12519	9 7.8-38 51 6.7				
9 14.5-38.7 12670	9 14.6-38 37 7.5				
9 15.4-38.5					-38 5465 9 14.4-38 20.28.536
9 18.6-38.9 12757	9 18.4-38 57 7.5				
9 20.5-38.7					-38 5542 9 19.4-38 34.28.936
9 25.3-38.6 12931	9 25.1-38 34 7.5				
9 28.5-38.6 13020	9 28.0-38 30 8.2				
9 29.5-38.7 13041 13044	9 29.1-38 42 6.8				
9 46.9-38.4					-38 5961 9 45.7-38 15.47.736
9 13.0-38.9 12640	9 13.1-38 59 5.8				
9 15.0-39.0 12677	9 15.0-39 0 8.5				
9 18.4-39.0 12764	9 18.5-38 53 8				
9 18.5-39.4 12770	9 18.7-39 21 7.2				
9 20.4-38.9 12820	9 20.3-38 59 6.5				
9 30.6-39.0					-38 5694 9 29.5-38 52.98.536
9 33.6-39.4					-39 5686 9 32.7-39 10.48.336
9 34.7-39.2 13166	9 34.6-39 10 7				
9 37.1-39.4					-39 5742 9 36.1-39 9.18.536
9 40.3-39.2 13276	9 40.2-39 7 7				
9 43.0-39.0 13333	9 42.7-38 52 7.8				
9 3.7-39.5					-39 5192 9 2.8-39 19.67.736
9 9.5-39.5					-39 5287 9 8.4-39 20.47.936
9 11.1-39.9					-39 5314 9 10.2-39 45.98.436

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Plate 4954

v H b l. ^{N₂} Rinn. Rhine Int.

10.6 10.7 G	K-H 2
11.0 13.2 A	N 1
10.9 13.9 A	N 1
11.0 14.0 H	N 1
10.6 15.0 A	N 1
10.3 15.5 H	N 1
10.3 16.0 A	N 1
10.9 16.1 H	N 1
10.9 19.2 A	N 1
10.6 19.6 A	N 1
10.6 20.9 A	N 1
10.9 23.3 A	N 2
11.4 9.2 A	N 1
11.2 11.6 A	N 1
12.0 12.6 A	K-H 1
11.3 14.4 A	K-H 3
11.5 15.2 H	N 1
11.1 15.9 F 929	K-H 4
11.6 16.5 G	K-H 3
11.3 17.3 F 930	K-H 1
11.5 19.2 F 931	K-H 1
12.0 19.3 H	K-H 1
11.8 21.8 F 932	K-H 1
11.8 21.9 A	N 2
12.5 21.5 F 933	K-H 1
12.5 21.5 A	N 1
12.6 21.9 A	N 1
13.0 10.8 A	N 2

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

9^h 13.0-39.7 12642 9^h 13.1-39.42 7

9 19.5-39.9

-39 5455 9 18.5-39 49.5 8.5

9 21.5-39.8 12842 9 21.7-39 53 7.5

-39 5491 9 20.5-39 41.2 8.5

9 21.9-39.9 12842 9 21.7-39 53 7.5

-39 5494 9 20.7-39 47.1 7.5

9 24.5-39.7

-39 5533 9 23.5-39 32.7 8.3

9 25.5-39.6

-39 5561 9 24.7-39 25.8 7.7

9 27.0-39.6

-39 5586 9 26.1-39 24.3 8.3

9 27.5-39.9

-39 5589 9 26.5-39 43.6 8.2

9 35.2-39.9

-39 5711 9 34.3-39 37.3 9.5

9 36.2-39.8

-39 5727 9 35.4-39 29.3 8.5

9 40.0-39.8

-39 5783 9 38.9-39 29.9 8.3

9 46.1-39.9 13410 9 45.9-39 42 7.8

-39 5873 9 44.9-39 35.6 7.5

9 9.4-40.1

-39 5282 9 8.2-39 51.9 8.8

9 15.9-40.0 12697 9 15.7-40 8 8.5

9 18.4-40.4

-40 5148 9 17.0-40 14.6 8.7

9 22.7-40.1 12865 9 22.6-40 4 6.8

9 25.0-40.3

-40 5241 9 24.0-40 9.8 8.0

9 26.7-40.1 12989 9 26.8-40 1 3.7

9 28.3-40.3 13028 9 28.4-40 13 6

9 30.4-40.1 13081 9 30.5-40 2 7.8

9 35.5-40.3

-40 5399 9 34.4-40 6.4 8.5

9 36.0-40.5

-40 5403 9 34.8-40 15.5 7.8

9 42.4-40.3 13319 9 42.1-40 11 8

9 42.6-40.4 13329 9 42.5-40 13 8

9 4.6-40.8

-40 4933 9 3.4-40 34.2 8.0

9 6.1-40.8

-40 4971 9 4.8-40 31.7 8.5

9 8.5-40.8

-40 5004 9 7.1-40 30.2 9.0

9 13.4-41.0 12646 9 13.2-40 54 7.8

X-39 5712 9 34.3-39 39.4 9.4 is superposed on C.D.M.-39 5711. Dec. of one or both of these stars must be wrong

in C.D.M. according to plates B15754 & B4977 (chart) are in same dec.

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V. Ho. Cl. Run. ^{Nr.} Kline Int.

12.2	13.9	A	N	1
12.4	15.6	A	N	1
12.7	16.5	A 934	K-H	1
12.8	19.4	A	N	1
12.8	20.7	H	N	1
12.9	20.8	H	N	1
12.9	21.3	A	N	2
13.8	5.9	A 935	K-H	1
13.4	7.5	H	K-H	2
13.7	8.4	A	N	1
13.7	8.8	A	K-H	2
13.6	9.2	A	N	1
13.4	11.6	G	K-H	1
13.3	12.1	A	N	1
13.2	16.1	A 16.1	N	1
13.3	17.2	A	N	1
13.3	17.7	A	N	2
13.7	19.2	A	K-H	1
13.9	20.5	A	N	1
13.8	21.5	A	N	2
13.4	22.5	A	N	1
14.0	23.2	H	N	1
14.7	5.9	A	N	1
15.0	6.2	A	N	1
14.9	6.6	A	N	2
15.0	9.6	S	K-H	2
14.6	9.9	A	N	1
14.2	10.0	A	K-H	2

13.2 ✓ 16.1 ✗

No.		1900	1900			1900	1900			1900	1900
J. G. C.		R. A.		Dec. Magn.		C. D. M.		R. A.		Dec. Magn.	
9	21.6-40.5			-40	5192	9	20.5-40	22.6	8.1	42.6	
9	25.9-40.7			-40	5251	9	25.0-40	29.1	8.5	36	
9	28.4-40.8			-40	5288	9	27.5-40	38.0	7.9	36	
9	36.1-40.9			-40	5410	9	35.2-40	38.0	8.6	36	
9	39.4-40.8	13263	9	39.6-40	43	9.2					
9	39.9-40.9	13268	9	39.7-40	47	8					
9	41.0-40.9			-40	5475	9	40.1-40	35.5	8.5	36	
8	59.9-41.1	12361	9	0.1-41	10	7.8					
9	4.1-41.0	12441	9	4.5-41	1	7.5	-40	4946	9	3.6-40	55.8
9	6.6-41.2			-41	4867	9	5.9-41	33.8	4	36	
9	7.5-41.2			-41	4881	9	6.8-41	5.5	7.5	36	
9	8.7-41.1			-41	4895	9	7.9-41	0.8	9.4	36	
9	15.4-41.0	12684	9	15.3-41	2	8.8					
9	16.5-41.0			-40	5126	9	15.5-40	55.2	8.7		
9	26.7-41.0			-40	5267	9	25.8-40	51.2	8.5	36	
9	30.5-41.1			-40	5317	9	29.4-40	52.2	9.1	36	
9	31.0-41.2			-40	5336	9	30.4-40	54.8	8.3	36	
9	34.7-41.2			-41	5252	9	34.7-41	5.5	8.5	36	
9	38.5-41.3			-41	5293	9	38.1-41	8.8	8.5	36	
9	42.0-41.3			-41	5325	9	40.7-41	5.2	7.7	36	
9	44.5-41.0			-40	5523	9	43.2-40	50.6	8.1	36	
9	46.4-41.3	13421	9	46.3-41	19	8	-41	5387	9	45.3-41	11.1
8	59.1-41.7			-41	4756	8	58.6-41	33.4	8.5	36	
9	0.5-41.8			-41	4773	9	59.7-41	38.7	9.0	36	
9	1.5-41.9	12384	9	1.6-41	46	8					
9	9.5-41.8	12563	9	9.5-41	52	6.9					
9	10.1-41.8			-41	4909	9	9.2-41	32.7	8.7		
9	10.9-41.6	12596	9	10.7-41	28	8					

* Following stars superseded.

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Plate 4959

V 16 Cl. Rim K line Lint.

H = 13.9 ?

14.3	10.8	H	X	N	1
14.6	12.7	Ma		N	2
14.9	13.4	A		N	1
14.8	13.9	F	936	K=H	1
14.7	14.4	A		K=0.4H	2
14.1	15.5	A		N	1
14.1	16.2	F	937	K=H	1
14.8	16.6	H		N	1
14.3	19.9	A		N	1
14.9	20.1	A		N	2
14.8	22.9	A		N	1
15.2	5.9	A		N	1
15.6	6.4	A		K=H	1
15.1	9.7	F	938	K=H	1
15.4	9.9	F	939	K=H	1
16.0	12.4	F	940	K=H	1
15.9	12.6	H		K=H	2
15.4	14.7	A		K=0.2H	3
16.0	17.0	A		N	2
16.0	20.7	E		K=H	1
15.6	22.2	A		N	1
15.9	23.6	A		N	1
16.2	5.7	A		N	3
16.5	5.8	A		N	1
17.0	8.8	A		N	2
17.0	8.9	A		N	1
17.0	9.4	A		N	1
16.8	10.0	A		N	4

No.		1900	1900			1900	1900
		J. G. C.	R. A. Dec.			Mag.	RA. Dec. Mag.
9	13.2	-41.6		-41	4955	9	12.1 -41 26.1 8.3
9	18.2	-41.8	12753	9	18.1	-41 46	6.4
9	20.0	-41.9		-41	5051	9	18.8 -41 43.6 8.5
9	21.5	-41.9		-41	5070	9	20.3 -41 42.6 8.3
9	23.0	-41.9	12866	9	22.6	-41 49	7.2
9	25.6	-41.6		-41	5128	9	24.7 -41 22.0 8.1
9	27.5	-41.6		-41	5151	9	26.6 -41 21.0 8.0
9	28.9	-41.9		-41	5162	9	27.6 -41 42.5 8.4
9	36.9	-41.5	13227	9	37.4	-41 31	7.8
9	37.3	-41.8	13236	9	38.1	-41 50	7.5
9	45.2	-41.7		-41	5281	9	37.1 -41 42.3 7.3
8	59.5	-42.0		-41	5377	9	44.6 -41 32.7 8.7
9	1.0	-42.0		-41	4762	9	58.9 -41 46.1 8.7
9	10.0	-42.0	72563	9	4785	9	0.2 -41 53.9 9.2
9	10.5	-42.1		-41	4907	9	9.1 -41 47.7 8.3
9	17.0	-42.5	12732	9	4915	9	9.4 -41 57.2 8.3
9	17.6	-42.5	12745	9	17.5	-42 24	7.8
9	24.2	-42.2	12903	9	24.0	-42 8	7.5
9	34.2	-42.4	13178	9	35.2	-42 25	8
9	37.0	-42.5		-42	5478	9	34.2 -42 18.0 9.3
9	43.2	-42.2		-42	5563	9	38.9 -42 16.6 8.9
9	47.2	-42.2		-42	5628	9	42.8 -42 0.1 8.8
8	58.5	-42.4	12333	8	58.9	-42 19	7.8
8	58.9	-42.6		-41	5300	9	46.6 -41 56.1 9.1
9	7.0	-42.9	12509	9	7.2	-42 51	7.2
9	7.5	-43.0	12513	9	7.4	-42 52	7.8
9	8.9	-43.0	12542	9	8.8	-43 12	6.8
9	10.5	-42.8	12593	9	10.6	-42 47	5.9

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2 Ho Cl. Ref. Kline Int.

17.0 11.5 A	N 1
17.0 12.2 H	N 1
16.4 12.2 H	N 1
16.5 14.5 A	N 1
16.4 15.0 A	N 1
16.5 15.4 $\frac{H}{A}$ 941	K-H 2
16.7 15.6 A	N 2
16.6 18.6 H	K-H 3
16.9 10.4 $\frac{H}{A}$ 942	K-H 1
16.5 21.2 A	N 1
16.1 22.9 A	N 1
16.6 23.7 A	N 1
17.6 7.3 $\frac{H}{A}$ 943	K-H 1
17.3 7.7 H	K-H 4
17.3 8.1 A	N 1
17.2 8.3 $\frac{H}{A}$ 944	K-H 1
17.6 9.4 A	N 3
17.3 10.2 H	K-H 2
17.5 10.7 A	N 1
17.4 10.7 $\frac{H}{A}$	N 1
17.2 11.1 A	N 1
17.5 13.4 A	N 1
18.0 13.7 A	N 2
17.8 15.2 $\frac{H}{A}$ 945	K-H 1
17.3 17.2 H	K-H 1
17.6 21.2 A	N 1
17.7 21.4 H	N 1
17.4 22.6 $\frac{H}{A}$	K-H 2

H = 20. M?

No.		1900	1900
A.G.C.		R.A.	Dec.
1900		Mag	C.M. RA Dec. Mag.
7	14.7-43.0	-42 51499	13.8-42 50.2 9.236
9	16.5-43.0 12716	9 16.4-42 58	8
9	17.0-42.7	-42 51909	15.7-42 30.3 8.636
9	22.4-42.6	-42 52889	21.9-42 31.6 9.136
9	24.1-42.6	-42 53139	23.6-42 32.1 9.4
9	25.0-42.7	-42 53289	24.6-42 38.5 7.040
9	25.5-42.8 12948	9 25.6-42 45	6.9
9	33.5-42.7 13159	9 34.1-42 45	6.0
9	38.5-42.8 13259	9 39.2-42 49	8
9	40.5-42.6	-42 55879	40.2-42 28.5 8.9
9	45.1-42.4	-42 56559	44.6-42 12.9 9.136
9	48.2-42.5	-42 56959	47.1-42 23.5 9.4
9	2.6-43.2 12403	9 3.0-43 6	8.2
9	4.3-43.1 12438	9 4.3-43 2	2.5
9	5.0-43.0	-42 50109	44-42 50.3 9.036
9	5.9-43.0	-42 50179	4.8-42 47.8 8.936
9	8.6-43.2 12542	9 8.8-43 12	6.8
9	11.0-43.1 12603	9 11.0-43 3	7.2
9	12.6-43.2	-43 50999	11.5-43 20 9.136
9	12.5-43.3	-43 50979	11.5-43 9.2 8.836
9	13.5-43.1	-42 51369	12.6-42 52.5 9.336
9	19.7-43.2	-43 52259	18.7-43 40 8.736
9	20.4-43.5 12824	9 20.6-43 36	9.5
9	24.7-43.4	-43 53199	24.1-43 15.6 8.836
9	35.0-43.1 13195	9 36.0-43 4	8
9	41.0-43.2	-42 54979	35.0-42 56.9 8.036
9	41.7-43.3 13312	-43 55929	40.4-43 1.1 9.536
9	42.0-43 13		7.8
9	45.0-43.1 13394	9 45.2-43 1	7

which?

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V Hb Cl. Rem. Kline Lint.

17.5 23.3 A	N 1
18.4 5.8 A	N 2
18.5 7.6 A	N 1
18.8 8.5 A	N 2
18.9 10.0 A	N 3
18.3 10.9 H	H-H 2
18.9 12.4 A	N 1
18.5 13.0 A	N 1
18.1 14.0 Hia.	N 2
18.7 14.6 A	N 2
18.1 15.6 A	N 2
18.6 17.7 A	N 2
18.5 20.8 A	N 1
18.5 22.3 A	N 2
18.8 23.1 A	N 1
19.2 6.0 A	N 1
20.0 6.1 A	N 1
19.8 7.8 A	N 2
20.0 9.1 A, 946	N 3
20.0 10.8 A	N 3
19.6 11.3 A	N 1
19.3 15.4 A, 947	H-H 2
19.3 15.5 A, 948	H-H 2
20.0 15.6 A, 949	H-H 1
19.7 15.8 A, 950	H-H 2
19.8 17.4 A	N 3
19.6 20.7 A	N 1
17.8 21.4 A	N 1

No.

J. G. C. R. A. Dec. Mag. C. D. M. R. A. Dec. Mag.

1900					
9 ^h 47.0 ^m - 43.0	13443	9 ^h 47.0 ^m - 43.1	7.8		
8 58.1 - 43.7				-43 4873	8 57.9 - 43 28.6 8.136
9 3.5 - 43.7				-43 4952	9 2.8 - 43 27.3 8.936
9 6.0 - 43.9	12483 12484	9 6.3 - 43 46	8.8 9.5		
9 10.5 - 43.8	12587	9 10.4 - 43 44	6.6		
9 12.8 - 43.9	12635	9 12.7 - 43 51	5.6		
9 17.0 - 44.0	12727	9 16.8 - 43 51	8.5		
9 18.9 - 43.8	12774	9 18.7 - 43 40	8		
9 21.1 - 43.6	12836	9 21.3 - 43 32	7.2		
9 22.5 - 43.8	12873	9 22.9 - 43 48	8		
9 25.7 - 43.5	12963	9 26.1 - 43 31	8		
9 31.9 - 43.8	13113	9 31.9 - 43 45	7.8		
9 40.4 - 43.6				-43 5570	9 39.4 - 43 29.0 8.936
9 44.5 - 43.6	13381	9 44.5 - 43 33	8		
9 47.0 - 43.6				-43 5632	9 45.8 - 43 30.8 9.4
8 58.6 - 43.9	12344	8 59.2 - 43 51	8.2		
8 58.7 - 44.4				-44 5064	8 58.3 - 44 8.9 8.636
9 3.7 - 44.4				-44 5150	9 3.2 - 44 7.6 7.222
9 7.4 - 44.5	12515	9 7.4 - 44 27	5.6		
9 12.4 - 44.5	12633	9 12.4 - 44 29	6.7		
9 15.0 - 44.3	12678	9 14.9 - 44 11	8.5		
9 25.3 - 44.1	12950	9 25.5 - 44 6	7.2		
9 25.5 - 44.1	12956	9 25.7 - 44 5	7.2		
9 25.7 - 44.6	12968	9 26.1 - 44 28	7.8		
9 26.4 - 44.5	12982	9 26.5 - 44 25	8.5		
9 30.7 - 44.4	13091	9 30.9 - 44 23	8		
9 40.0 - 44.3				-44 5784	9 39.3 - 44 24 8.2
9 42.0 - 44.3	13331	9 42.6 - 44 18	6	-44 5832	9 41.1 - 44 8.2 8.336

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& Ho b.l. Revi. Kline Int.

19.8	21.6	A	N	3
19.7	24.0	F	951 K-H	2
20.9	7.2	A	N	1
20.9	8.0	A	K-H	1
20.9	9.4	A	N	2
20.3	11.2	A	N	3
21.3	11.8	H	K-H	1
20.6	12.3	H	K-H	2
20.3	12.6	A	N	2
20.2	13.4	A	N	2
20.6	16.8	A	N	1
20.2	20.9	A	N	1
20.8	23.4	A	N	2
21.0	24.0	A	N	3
22.0	9.6	F	952 K-H	2
21.4	10.6	A	N	3
21.6	11.6	A	N	2
21.2	15.2	A	N	3
21.2	15.2	A	N	1
21.3	15.9	H	K-H	2
21.5	16.2	A	N	1
21.9	16.4	A	N	1
21.8	22.7	A	N	3
22.5	6.6	A	N	1
22.3	7.0	A	N	1
22.1	11.7	A	N	1
22.3	12.9	A	K-H	1
22.3	13.2	G	K-H	3

Ms.
~~these 3 measures~~
~~from the 9th series~~

No.		1900	1900
J.G.C		R.A.	Dec. Magn.
J.G.C		R.A.	Dec. Magn.
9 ^R 42.5-44.3	13331	9 ^L 42.6-44.18	6.
9 49.4-44.2	13487	9 49.3-44.7	8.2
9 1.6-44.9		-44 5115	9 1.2-44 396.8836
9 4.0-44.9		-44 5160	9 3.6-44 382.8936
9 8.0-45.0		-44 5228	9 7.4-44 433.8436
9 13.5-44.6	12648	9 13.3-44 35	7.5
9 15.0-44.7	12683	9 15.2-44 35	7.8
9 16.4-44.9	12721	9 16.6-44 45	7.5
9 17.2-44.7	12743	9 17.4-44 37	8
9 19.5-44.6	12795	9 19.4-44 32	8
9 29.4-44.9	13052	9 29.4-44 46	7.5
9 40.6-44.5	13288	9 40.9-44 25	8
9 48.0-44.8		-44 5944	9 46.9-44 342.81
9 50.2-44.8	13517	9 50.4-44 49	8.2
9 8.5-45.5	12538	9 8.7-45 26	7.2
9 11.5-45.2	12618	9 11.6-45 8	6.8
9 14.4-45.3	12663	9 14.3-45 12	9.2
	12664	9 14.3-45 13	7.8
9 24.5-45.1	12922	9 24.8-45 3	6.9
9 24.7-45.2	12926	9 24.9-45 3	8
9 26.5-45.2	12995	9 26.8-45 7	7.2
9 27.4-45.3		-45 5217	9 26.6-45 38.8236
9 28.2-45.5		-45 5221	9 27.3-45 46.9036
9 46.2-45.3	13417	9 46.1-45 16	5.6
8 57.0-45.7		-45 4772	8 56.4-45 24.38436
9 1.0-45.7		-45 4840	9 0.4-45 21.78336
9 14.5-45.6		-45 5031	9 13.8-45 19.29.2
9 17.0-45.7	12746	9 17.5-45 35	8.2
9 18.5-45.7	12776	9 18.7-45 37	6.4

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8 Ho. C. C. R. Kline Int.

22.5 14.5 A N 1

22.3 16.1 A K=H 1

22.2 21.2 A K=H 1

22.2 21.4 G K=H 2

22.8 23.1 H K=H 2

23.6 9.4 A K=H 3

24.0 13.2 A N 1

24.0 13.6 A N 3

23.5 23.2 G K=H 3

24.0 7.1 A N 2

24.2 12.4 A N 2

24.1 14.2 H N 1

24.1 20.0 H N 1

24.3 22.8 S K=H 2

to m
1 0

1900		No.	1900	1900		
		J.G.C. R.A. Dec. Magn.		C.D.M. R.A. Dec. Magn.		
f	22.4-45.8			-45 5150	9 21.8-45 35.1	7.936
g	27.4-45.7			-45 5215	9 26.6-45 27.6	8.3
g	41.6-45.5 13308	g	41.8-45 27	7.8		
g	42.5-45.5 13332	g	42.3-45 28	7.5		
	13323		27	7		
g	47.5-45.8 13451	g	47.5-45 44	6.2		
g	7.9-46.3 12526	g	8.0-46 10	6.2		
g	18.5-46.5 12783	g	18.9-46 25	8.5		
g	19.9-46.5 12814	g	20.0-46 28	6.6		
g	47.7-46.1 13453	g	47.8-46 3	7.8		
	13455		47.9-46 5	5		
g	0.6-46.7 12372	g	0.7-46 42	4.6		
g	16.0-46.7 12718	g	16.4-46 31	7.8		
g	21.5-46.5 12841	g	21.6-46 30	7.5		
g	38.6-46.5 13255	g	38.7-46 25	7.2		
g	46.7-46.5 13440	g	46.9-46 28	6.4		

(See page 22.)

$$17.7 \quad 14.0 \checkmark \Rightarrow 14, 39.8 - 33.2$$

$$18.0 \quad 14.3 = 14, 40. \overset{2}{\cancel{3}} - 33 \overset{4}{\cancel{4}}$$

$$17.8 \quad 16.9 = 14, 41.0 - 33.3$$

$$17.9 \quad 17.3 = 14, 47.6 - 33.4$$

$$17.8 \quad 17.3 = 14, 48.0 - 33.3$$

$$17.1 \quad 17.7 = 14, 48.6 - 32.9$$

$$18.2 \quad 13.1 = 14, 37.6 - 33.5$$

$$18.6 \quad 15.4 = 14, 43.2 - 33.6$$

$$18.8 \quad 17.5 = 14, 48.3 - 33.7$$

$$18.2 \quad 18.1 = 14, 49.5 - 33.5$$

$$18.1 \quad 19.2 = 14, 52.4 - 33.4$$

$$18.2 \quad 19.8 = 14, \overset{53.8}{\cancel{54.8}} - 33.5$$

1892phae.proj. 1877F