

KG
11365
883

HENRY DRAPER MEMORIAL.

Measures of Spectrum Plates
Southern Draper Catalogue

N^o 69

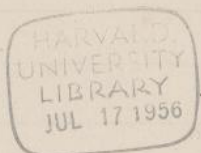
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Plate 3283 Continued

Q 16 Cl Run Kline Int

18.9 21.1 He K=H 2

20.0 13.9 D K=H 2

19.4 17.0 G7 D K=H 3

19.9 17.5 K K=1.2 H 4

20.2 11.4 F 3876 K=H 2

20.6 14.2 F 3877 K=H 3

20.2 15.7 A K=H 1

20.7 19.6 D K=H 2

21.2 9.2 D K=H 2

21.9 11.5 D K=H 1

22.4 8.2 G3 D K=1.5 H 3

22.3 15.3 A N 1

23.9 15.7 He N 1

23.4 20.0 D K=H 2

23.9 20.1 A N 1

24.8 17.3 D K=H 2

24.6 20.8 A N 1

PA. 13 56 Dec. + 31.6

Plate 3296

5.3 14.0 F 3878 K=H 2

5.4 16.5 A K=0.5 H 2

5.5 17.9 F 3879 K=H 2

5.3 22.1 F 3880 K=H 3

5.9 6.8 He N 1

6.9 7.0 A N 1

7.7 21.0 He N 1

8.6 5.5 H N 1

R_m	1855	B.D.	No.	R.A.	Dec.	Magn.
				1855	1855	
11	21.0 + 33.3 + 33	2084	11	2.0 + 33	19	7.5
11	19.4 + 33.9 + 33	2116	11	19.4 + 33	56	7.7
11	11.6 + 33.6 + 33	2099	11	11.7 + 33	36	7.8
11	10.6 + 33.9 + 33	2098	11	10.6 + 33	53	8.4
11	25.5 + 33.9 + 33	2129	11	25.5 + 33	55	7.7
11	18.6 + 34.2 + 34	2222	11	18.6 + 34	15	6.8
11	15.0 + 34.0 + 34	2217	11	15.0 + 34	1	8.3
11	5.4 + 34.2 + 34	2206	11	5.5 + 34	14	6.8
11	30.7 + 34.4 + 34	2242	11	30.9 + 34	27	6.3
11	25.2 + 34.9 + 34	2230	11	25.3 + 34	50	7.7
11	33.4 + 35.0 + 35	2270	11	33.4 + 35	1	5.1
11	15.9 + 35.1 + 35	2246	11	16.0 + 35	2	8.9
11	14.9 + 35.8 + 35	2242	11	14.8 + 35	49	7.5
11	4.5 + 35.6 + 35	2221	11	4.5 + 35	34	7.2
11	4.1 + 35.8 + 35	2219	11	4.1 + 35	48	7.5
11	11.0 + 36.3 + 36	2175	11	10.9 + 36	17	7.0
11	2.2 + 36.1 + 36	2160	11	2.2 + 36	7	7.5

R_m	1855	B.D.	No.	R.A.	Dec.	Magn.
13	58.0 + 26.5 + 26	2521	13	58.1 + 26	31	6.8
13	52.5 + 26.5 + 26	2511	13	52.4 + 26	31	7.3
13	49.5 + 26.6 + 26	2508	13	49.5 + 26	38	6.8
13	39.9 + 26.4 + 26	2494	13	40.0 + 26	25	6.0
14	14.2 + 26.7 + 26	2554	14	14.2 + 26	44	7.0
14	14.1 + 27.2 + 27	2367	14	14.1 + 27	14	7.6
13	42.5 + 27.7 + 27	2296	13	42.5 + 27	43	7.0
14	17.6 + 28.1 + 28	2318	14	17.6 + 28	5	6.5

Number 81893

Plate 3296

Q 16 Cl Perm Kline Int.

9.0	9.4	A	K=H 2
9.0	13.3	F 3881	K=H 1
8.5	14.7	He	K=H 1
8.2	15.6	A	K=0.5H 3
8.5	17.6	K	K=H 3
8.9	23.2	A	K=H 2
9.4	21.1	H	N 1
10.5	8.0	F 3882	K=H 1
11.0	10.7	F 3883	K=H 1
10.3	13.2	He	K=H 2
10.3	15.5	A	K=H 1
10.8	17.8	A	N 2
10.8	19.1	A	K=0.5H 3
11.7	10.1	A	K=H 2
12.3	6.4	Int.	K=H 2
13.4	18.5	A	K=H 2
13.4	21.0	He	N 1
14.3	7.4	A	N 3
15.8	10.2	A	N 2
15.9	12.0	L	K=H 2
15.1	13.4	H	K=H 2
15.8	20.9	G 5-9	K=H 3
15.4	22.0	F 3884	K=H 3
16.7	15.0	F 3885	K=H 2
16.5	15.4	H	N 1
16.4	21.0	F 3886	K=H 2
17.8	9.1	G 5-9	K=H 2
17.9	11.3	K	K=H 3

Cl. omitted in Recd.
Exp. and int. Sept. 4, 1903.

1855	B.D. No.	R.A.	Dec.	Magn.
14	910 + 28.4 + 28	2309 14	9 ^m + 28° 25'	7.0
13	59.9 + 28.4 + 28	2292 13	59.9 + 28	26 8.0
13	57.0 + 28.2 + 28	2291 13	56.9 + 28	11 7.5
13	54.5 + 28.1 + 28	2287 13	54.6 + 28	6 6.3
13	50.0 + 28.2 + 28	2278 13	49.9 + 28	13 5.0
13	37.5 + 28.3 + 28	2254 13	37.5 + 28	19 7.0
13	42.2 + 28.6 + 28	2262 13	42.1 + 28	36 6.8
14	12.1 + 29.1 + 29	2524 14	12.1 + 29	6 7.3
14	6.1 + 29.4 + 29	2505 14	6.0 + 29	25 7.2
14	0.5 + 29.1 + 29	2493 14	0.4 + 29	7 7.0
13	54.6 + 29.1 + 29	2483 13	54.8 + 29	6 7.5
13	49.5 + 29.4 + 29	2473 13	49.5 + 29	23 7.0
13	46.6 + 29.4 + 29	2464 13	46.6 + 29	22 6.0
14	7.5 + 29.8 + 29	2508 14	7.4 + 29	7.8 7.0
14	15.7 + 30.0 + 30	2513 14	15.9 + 30	3 6.5
13	47.9 + 30.6 + 30	2461 13	47.9 + 30	38 7.3
13	42.0 + 30.6 + 30	2449 13	41.9 + 30	35 7.8
14	13.7 + 31.1 + 31	2605 14	13.8 + 31	6 6.5 ✓
14	7.5 + 31.9 + 31	2595 14	7.4 + 31	53 7.2
14	3.4 + 31.9 + 31	2588 14	3.4 + 31	56 7.2
14	0.0 + 31.5 + 31	2581 14	0.0 + 31	29 ³³ 7.2
13	42.1 + 31.9 + 31	2547 13	42.1 + 31	55 5.5
13	39.7 + 31.6 + 31	2540 13	39.7 + 31	36 6.3
13	56.1 + 32.3 + 32	2424 13	56.1 + 32	22 7.5 ✓
13	55.0 + 32.3 + 32	2419 13	54.9 + 32	15 7.0 ✓
13	41.9 + 32.1 + 32	2391 13	41.8 + 32	8 8.0
14	10.2 + 32.9 + 32	2457 14	10.3 + 32	53 7.0
14	5.0 + 33.0 + 33	2420 + 33	4.9 + 32	58.5 6.5 ✓
14	5.0 + 33.0 + 33	2420 + 33	4.1 + 33	2 9.3

began March 14. Check mark simply
checks Disposition.

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Plate 3296

2nd Hb. ^{nr} Cl. Run. K. line Int.

17.1 11.5 ^F 3887 K=H 2
 17.2 17.6 A K=H 1
 17.5 17.7 ^F 3886 K=H 3
 18.5 6.5 H K=H 2
 19.0 14.7 H N 1
 18.4 15.5 A K=H 2
 18.6 16.9 H K=H 2
 18.6 20.2 H N 1
 19.9 8.6 ^F 3889 K=H 2
 19.1 18.5 E K=H 1
 19.5 20.7 ^F 3890 K=H 1
 20.1 7.3 ^F 3891 K=H 1
 21.0 21.7 H N 1
 21.7 21.7 ^F 3892 K=H 1
 22.9 13.4 J K=H 2
 22.2 14.2 A K=H 1
 22.7 18.3 H N 1
 22.3 19.3 Ina N 3
 22.7 19.6 Le N 2
 23.0 19.7 A K=0.2H3
 22.9 21.9 H N 1
 24.4 8.7 K K=1.2H4
 23.7 23.1 J K=H3

P.A. ^{h m} 14 39 Dec. +31.8

Plate 2421

5.6 11.7 A N 2
 5.6 15.7 Ina K=H 2

1855	B.D. No.	R.A.	Dec.	Magn.
14	4.5 + 32.5 + 32	24414	4.8 + 32	29 7.8
13	50.0 + 32.6 + 32	241213	49.9 + 32	35 8.21
13	49.7 + 32.7 + 32	241113	49.8 + 32	44 6.5
14	16.5 + 33.2 + 33	245214	16.4 + 33	11 7.3
13	56.9 + 33.5 + 33	240213	56.8 + 33	31 7.7
13	54.6 + 33.2 + 33	239513	54.7 + 33	12 8.0
13	51.5 + 33.3 + 33	239013	51.5 + 33	18 7.7
13	43.6 + 33.2 + 33	237813	43.6 + 33	14 8.2
14	11.6 + 33.9 + 33	243614	11.6 + 33	56 7.3
13	47.6 + 33.5 + 33	238413	47.6 + 33	33 8.0
13	42.2 + 33.7 + 33	237613	42.2 + 33	43 7.3
14	14.7 + 33.9 + 33	244714	14.8 + 33	58 8.21
13	39.6 + 34.8 + 34	244813	39.6 + 34	47 7.5
13	39.7 + 34.8 + 34	244813	39.6 + 34	47 7.5
14	0.5 + 35.5 + 35	252514	0.4 + 35	29 6.8
13	58.2 + 35.1 + 35	252113	58.2 + 35	8 7.6
13	47.9 + 35.3 + 35	250113	47.9 + 35	21 8.1 ✓
13	44.5 + 35.2 + 35	13		
13	44.9 + 35.4 + 35	249413	45 + 35	24 7.3
13	44.8 + 35.5 + 35	249213	44.7 + 35	30 6.8
13	39.1 + 35.4 + 35	248013	39.1 + 35	24 7.2
14	11.9 + 36.2 + 36	246814	11.9 + 36	11 4.8
13	36.3 + 35.7 + 35	247413	36.2 + 35	44 6.5

14	46.5 + 27.1 + 27	243014	46.6 + 27	4 7.8
14	37.1 + 27.1 + 27	241314	37.0 + 27	9 5.8

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Plate 2421

V. the Col. Rev. K. line Int.

6.5 16.5 D $K=H3$
 6.3 9.3 F 3893 $K=H1$
 6.6 15.0 F 3894 $K=H5$
 6.2 20.7 A $N3$
 7.7 18.8 F 3895 $K=H1$
 9.1 7.1 A $N2$
 9.7 13.0 A $K=0.2H3$
 9.4 22.2 A $N2$
 10.8 6.7 F 3896 $K=H1$
 10.8 15.9 A $K=H1$
 12.0 19.4 F 3897 $K=H4$
 12.6 10.9 F 3898 $K=H2$
 13.0 15.0 H $N1$
 12.6 17.7 H $N1$
 13.6 16.9 F 3899 $K=H1$
 13.4 17.0 F 3900 $K=H1$
 13.2 20.4 H $N1$
 13.3 20.6 K $K=1.5H4$
 14.2 21.6 F 3901 $K=H1$
 15.8 7.5 ma $N2$
 15.7 8.4 F 3902 $K=H1$
 15.1 16.7 F 3903 $K=H1$
 16.8 18.0 F 3904 $K=H1$
 16.9 10.4 A $N3$
 16.4 11.0 G $K=H2$
 16.2 11.7 G $K=H2$
 16.3 21.3 A $N3$
 18.0 10.6 B $K=H1$

1855	B.D. No.	P.A.	Dec.	Magn.
^R 14 ^m 58.2 + 27.5 + 27 2447	^R 14 ^m 58.2 + 27 31			7.7
14 51.9 + 27.4 + 27 2438	14 51.9 + 27 24			7.0
14 38.6 + 27.7 + 27 2417	14 38.7 + 27 41			2.3
14 26.0 + 27.3 + 27 2388	14 25.9 + 27 20			6.2
14 30.1 + 28.1 + 28 2348	14 30.1 + 28 8			7.0
14 56.9 + 28.8 + 28 2391	14 56.9 + 28 57			7.0
14 43.7 + 29.2 + 29 2581	14 43.7 + 29 13			6.2
14 22.1 + 28.9 + 28 2331	14 22.1 + 28 56			7.5
14 58.1 + 29.6 + 29 2618	14 58.2 + 29 37			7.8
14 36.6 + 29.7 + 29 2570	14 36.6 + 29 43			8.1
14 28.5 + 30.3 + 30 2536	14 28.4 + 30 23			5.0
14 48.5 + 30.6 + 30 2582	14 48.5 + 30 39			6.8
14 38.7 + 30.9 + 30 2565	14 38.8 + 30 54			7.3
14 32.5 + 30.6 + 30 2541	14 32.5 + 30 39			7.7
14 34.2 + 31.2 + 31 2643	14 34.3 + 31 9			7.7
14 34.1 + 31.1 + 31 2642	14 34.1 + 31 4			3.7
14 26.1 + 30.9 + 30 2533	14 26.0 + 30 53			8.2
14 25.6 + 31.0 + 31 2628	14 25.6 + 31 0			4.0
14 23.1 + 31.3 + 31 2621	14 23.2 + 31 18			7.5
14 52.5 + 32.2 + 32	14			
14 54.6 + 32.2 + 32 2536	14 54.4 + 32 11			7.3
14 34.6 + 31.9 + 31 2644	14 34.6 + 31 9			7.7
14 31.5 + 32.2 + 32 2497	14 31.4 + 32 14			7.8
14 50.0 + 32.9 + 32 2531	14 50.0 + 32 54			6.3
14 48.2 + 32.6 + 32 2525	14 48.3 + 32 37			7.5
14 46.6 + 32.5 + 32 2523	14 46.7 + 32 31			6.7
14 23.6 + 32.4 + 32 2482	14 23.6 + 32 26			6.5
14 49.4 + 33.4 + 33 2510	14 49.4 + 33 25			7.5

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Plate 2421

v He Cl. ^{mr} Kline Int.

17.3 11.2 He N 1

17.8 11.7 F 3905 K=H 2

17.4 14.4 F 3906 K=H 1

18.0 14.9 Ma. N 2

17.6 19.4 F 3907 K=H 3

19.0 7.6 H K=H 1

19.7 7.3 F 3908 K=H 1

19.9 18.1 He K=H 1

19.1 20.1 Q N 1

21.6 7.2 He N 2

21.2 14.8 He N 1

22.8 7.5 J K=H 3

23.5 9.9 F 3909 K=H 2

23.8 13.7 F 3910 K=H 1

23.6 13.9 Q N 2

24.5 17.9 Q N 2

w. m.
1 0.0

1855		L.D. No.		R.A.		Dec.		Mag.	
α	δ	α	δ	α	δ	α	δ	α	δ
14	47.8	+33.0	+32	2524	14	47.9	+32	59.8	8.2 ✓
14	46.9	+33.3	+33	2507	14	46.9	+33	17	7.0
14	40.4	+33.1	+33	2491	14	40.4	+33	8	8.2
14	39.2	+33.4	+33	2489	14	39.2	+33	25	6.6
14	28.1	+33.2	+33	2474	14	28.0	+33	11	6.8
14	56.5	+33.9	+33	2531	14	56.4	+34	0	9.5
14	57.5	+34.1	+34	2578	14	57.5	+34	8	8.2
14	31.1	+34.3	+34	2544	14	31.0	+34	19	7.0
14	26.2	+33.8	+33	2471	14	26.2	+33	51	8.5
14	57.8	+35.1	+35	2644	14	57.8	+35	7	7.1
14	39.1	+35.0	+34	2559	14	39.2	+34	69	7.7
14	57.4	+35.8	+35	2642	14	57.3	+35	47	5.8 ✓
14	51.2	+36.1	+36	2555	14	51.3	+36	5	7.2
14	42.0	+36.2	+36	2531	14	42.0	+36	16	7.5
14	41.5	+36.2	+36	2530	14	41.5	+36	11	7.5
14	31.2	+36.5	+36	2509	14	31.2	+36	34	6.5

Can't be +33 2333?

to m.
23 33-

R.D. 15 19 Dec. + 31.8

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Plate 2420

V H₆ bel Rem. Kline Int.

5.3 7.3 A N 5-

5.9 10.9 A N 5-

5.5 22.6 J K=H 2

6.9 13.6 F 3911 K=H 1

6.4 18.1 F 3912 K=H 2

7.9 12.9 A N 2

8.8 14.6 H K=H 1

8.7 16.0 E K=H 2

8.2 17.2 H N 1

8.6 20.5 F 3913 K=H 1

9.4 10.4 F 3914 K=H 1

9.6 18.6 F 3915 K=H 1

9.8 22.5 E K=H 2

10.6 14.0 A K=0.5 H 5-

10.6 18.3 F 3916 K=H 1

10.9 19.6 A K=0.1 H 3

10.3 23.0 F 3917 K=H 1

10.9 15.1 F 3918 K=H 1

12.0 7.2 F 3918 K=H 1

11.7 17.1 J K=1.2 H 3

11.2 21.2 F 3919 K=H 2

11.0 24.1 A N 1

12.5 8.4 H K=1 H 1

12.8 9.6 F 3920 K=H 1

12.5 10.0 F 3921 K=H 3

13.1 11.8 H N 1

13.0 15.8 F 3922 K=1.2 H 4

12.4 17.7 F 3923 K=H 2

1855	B.D. No.	R.A.	Dec.	Magn.
$15^{\circ} 36.6 + 26.8 + 26$	2722	$15^{\circ} 36.7 + 26$	46	4.0
$15^{\circ} 28.5 + 27.2 + 27$	2512	$15^{\circ} 28.6 + 27$	12	2.0
$15^{\circ} 21.1 + 26.8 + 26$	2656	$15^{\circ} 21.1 + 26$	52	6.3
$15^{\circ} 22.5 + 27.6 + 27$	2494	$15^{\circ} 22.6 + 27$	38	7.3
$15^{\circ} 12.1 + 27.4 + 27$	2477	$15^{\circ} 12.2 + 27$	22	6.5
$15^{\circ} 24.1 + 28.1 + 28$	2439	$15^{\circ} 24.3 + 28$	9	8.2
$15^{\circ} 20.4 + 28.6 + 28$	2432	$15^{\circ} 20.4 + 28$	38	7.5
$15^{\circ} 16.6 + 28.6 + 28$	2425	$15^{\circ} 16.7 + 28$	34	7.5
$15^{\circ} 14.2 + 28.3 + 28$	2420	$15^{\circ} 14.2 + 28$	17	8.1
$15^{\circ} 6.6 + 28.5 + 28$	2412	$15^{\circ} 6.6 + 28$	28 29	7.7 7.9
$15^{\circ} 30.1 + 28.9 + 28$	2447	$15^{\circ} 30.0 + 28$	54	8.2
$15^{\circ} 11.0 + 29.0 + 29$	2646	$15^{\circ} 10.9 + 29$	1	8.8
$15^{\circ} 1.9 + 29.1 + 29$	2629	$15^{\circ} 1.9 + 29$	4	7.3
$15^{\circ} 21.9 + 29.6 + 29$	2670	$15^{\circ} 21.9 + 29$	36	4.0
$15^{\circ} 11.5 + 29.5 + 29$	2649	$15^{\circ} 11.5 + 29$	29	9.0
$15^{\circ} 8.5 + 29.7 + 29$	2640	$15^{\circ} 8.5 + 29$	43	5.5
$15^{\circ} 0.8 + 29.2 + 29$	2627	$15^{\circ} 0.9 + 29$	12	8.0
$15^{\circ} 19.1 + 29.6 + 29$	2663	$15^{\circ} 19.1 + 29$	40 39.9	8.6
$15^{\circ} 37.6 + 30.1 + 30$	2699	$15^{\circ} 37.6 + 30$	9	8.0
$15^{\circ} 14.2 + 30.1 + 30$	2647	$15^{\circ} 14.2 + 30$	8	6.0
$15^{\circ} 4.9 + 29.8 + 29$	15			
$14^{\circ} 58.1 + 29.6 + 29$	2618	$15^{\circ} 58.2 + 29$	6	7.8
$15^{\circ} 35.0 + 30.4 + 30$	2692	$15^{\circ} 34.9 + 30$	24	7.5
$15^{\circ} 32.0 + 30.6 + 30$	2684	$15^{\circ} 32.0 + 30$	35	8.1
$15^{\circ} 31.1 + 30.4 + 30$	2682	$15^{\circ} 31.1 + 30$	28	6.5
$15^{\circ} 27.1 + 30.8 + 30$	2675	$15^{\circ} 27.0 + 30$	47	8.0
$15^{\circ} 17.2 + 30.8 + 30$	2653	$15^{\circ} 17.2 + 30$	49	5.2
$15^{\circ} 12.9 + 30.4 + 30$	2642	$15^{\circ} 12.9 + 30$	27	8.0

$15^{\circ} 5.8 + 29 47 + 29 2633$ Error in Chart printed

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Plate 2420

V 16 bl. Rem. H line Int.

13.8 5.6 A N 2

13.9 12.7 F 3924 K=H 1

13.6 16.0 F 3925 K=H 1

14.0 21.1 A K=H 2

13.4 21.8 F 3926 K=H 1

15.0 11.8 A N 3

15.0 12.9 A K=0.3 H 3

14.2 18.0 D K=H 2

15.0 23.2 H N 1

15.3 7.4 F 3927 K=H 2

16.0 7.6 He K=H 2

15.6 9.3 A K=H 2

15.9 14.0 F 3928 K=H 1

15.6 15.9 E K=H 1

15.4 16.8 F 3929 K=H 3

15.8 17.9 A N 2

16.1 15.7 A K=H 2

16.5 16.0 H N 1

16.6 17.0 E K=H 1

16.1 19.6 D K=H 3

16.8 20.7 E K=H 1

17.5 7.1 K K=H 3

17.7 12.4 F 3930 K=H 1

17.7 13.1 F 3931 K=H 1

17.4 14.7 D K=H 2

17.5 17.3 A K=0.3 H 3

17.3 22.3 A N 2

18.9 12.9 H N 1

1855	BD. No	Q. A.	Dec.	Magn.
$15^{\circ} 41.4' + 31.0'$	$+31.2779$	$15^{\circ} 41.3' + 31.1'$	$1^{\circ} 7.3'$	
$15^{\circ} 25.0' + 31.2' + 31.2742$	$15^{\circ} 25.0' + 31.22$	8.7		
$15^{\circ} 16.9' + 31.1' + 31.2729$	$15^{\circ} 16.8' + 31.4$	8.0		
$15^{\circ} 5.0' + 31.2' + 31.2727$	$15^{\circ} 4.9' + 31.13$	8.2		
$15^{\circ} 3.1' + 30.9' + 30.26.6$	$15^{\circ} 3.1' + 30.53$	8.3		
$15^{\circ} 27.1' + 31.8' + 31.2750$	$15^{\circ} 27.1' + 31.57$	4.2		
$15^{\circ} 24.6' + 31.8' + 31.2742$	$15^{\circ} 24.6' + 31.48$	7.0		
$15^{\circ} 12.1' + 31.4' + 31.2719$	$15^{\circ} 12.1' + 31.21$	7.0		
$14^{\circ} 59.8' + 31.6' + 31.2582$	$15^{\circ} 0.0' + 31.33$	7.2		
$15^{\circ} 37.5' + 31.8' + 31.2771$	$15^{\circ} 37.4' + 31.51$	7.2		
$15^{\circ} 37.0' + 32.2' + 32.2619$	$15^{\circ} 36.9' + 32.11$	7.3		
$15^{\circ} 33.0' + 32.0' + 32.2607$	$15^{\circ} 32.9' + 32.2$	7.6		
$15^{\circ} 22.0' + 32.2' + 32.2587$	$15^{\circ} 21.9' + 32.13$	8.7		
$15^{\circ} 17.1' + 32.1' + 32.2577$	$15^{\circ} 16.1' + 32.4$	8.1		
$15^{\circ} 15.0' + 32.0' + 32.2724$	$15^{\circ} 15.0' + 32.59$	7.3		
$15^{\circ} 12.3' + 32.2' + 32.2569$	$15^{\circ} 12.3' + 32.9$	7.8		
$15^{\circ} 17.5' + 32.3' + 32.2578$	$15^{\circ} 17.5' + 32.20$	7.8		
$15^{\circ} 16.6' + 32.5' + 32.2575$	$15^{\circ} 16.6' + 32.32$	8.1		
$15^{\circ} 14.5' + 32.5' + 32.2573$	$15^{\circ} 14.5' + 32.34$	8.9		
$15^{\circ} 8.1' + 32.3' + 32.2620$	$15^{\circ} 8.1' + 32.15$	8.8		
$15^{\circ} 5.6' + 32.6' + 32.2584$	$15^{\circ} 5.5' + 32.34$	8.5		
$15^{\circ} 38.2' + 33.0' + 33.2625$	$15^{\circ} 38.3' + 32.59$	6.2		
$15^{\circ} 25.7' + 33.1' + 33.2597$	$15^{\circ} 25.7' + 33.6$	8.3		
$15^{\circ} 24.1' + 33.1' + 33.2594$	$15^{\circ} 24.2' + 33.7$	8.2		
$15^{\circ} 20.1' + 33.0' + 33.2589$	$15^{\circ} 20.2' + 32.59$	7.3		
$15^{\circ} 13.6' + 33.0' + 33.2574$	$15^{\circ} 13.6' + 33.4$	6.8		
$15^{\circ} 1.8' + 32.8' + 32.2548$	$15^{\circ} 1.8' + 32.49$	7.8		
$15^{\circ} 24.6' + 33.7' + 33.2596$	$15^{\circ} 24.6' + 33.44.6$	8.3		

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Plate 2420

V Hb Cl. Reim. Klein Int

18.3 16.3 A $K=0.1H4$ 19.0 19.0 G₂ D $K=1.2H5$ 18.8 21.0 D $K=H2$ 18.8 21.6 H $K=1$ 20.0 13.0 F 3932 $K=H1$ 19.6 17.9 G₁ D $K=H2$ 19.6 19.1 F 3933 $K=H1$ 19.2 21.7 D $K=H2$ 20.0 21.9 D $K=H2$ 21.0 8.7 E $K=H1$ 21.0 14.6 K $K=H3$ 20.9 16.0 D $K=H2$ 21.8 9.4 D $K=1.2H3$ 22.2 7.6 F 3934 $K=H1$ 22.8 13.1 F 3935 $K=H2$ 22.4 19.6 F 3936 $K=H1$ 22.4 22.7 H $K=1$ 23.9 10.5 F 3937 $K=H2$ 23.3 23.9 D $K=H3$ 24.3 10.6 A $K=1$ 24.6 19.9 F 3938 $K=H1$ RA 19^h 20^m Dec. +32

Plate 748

4.8 8.1 A $K=1$ 4.3 10.9 A $K=H1$ 4.5 11.2 A $K=H1$ 4.1 18.1 A $K=1$

1855	P.D. No.	R.A.	Dec.	Magn.
^R 15 ^m 16.0 + 33.5 + 33 2581	15	16.0 + 33	27	5.5
15 9.5 + 33.9 + 33 2561	15	9.7 + 33	52	3.0
15 4.9 + 33.6 + 33 2550	15	4.8 + 33	38	7.2
15 3.4 + 33.6 + 33 2548	15	3.3 + 33	37	8.3
15 24.5 + 34.3 + 34 2651	15	24.4 + 34	16	8.4
15 12.1 + 34.1 + 34 2626	15	12.1 + 34	8	7.3
15 9.3 + 34.1 + 34 2617	15	9.2 + 34	33	8.0
15 3.1 + 33.8 + 33 2546	15	3.1 + 33	49	7.8
15 2.5 + 34.3 + 34 2604	15	2.5 + 34	16	7.0
15 34.7 + 34.7 + 34 2674	15	34.7 + 34	44	8.1
15 20.6 + 34.8 + 34 2605	15	20.6 + 34	51	6.0
15 16.9 + 34.7 + 34 2637	15	16.8 + 34	44	7.3
15 33.2 + 35.2 + 35 2711	15	33.2 + 35	9	6.7
15 37.9 + 35.3 + 35 2720	15	37.7 + 35	19	9.0
15 24.1 + 35.7 + 35 2692	15	24.1 + 35	41	8.1
15 7.9 + 35.4 + 35 2663	15	7.8 + 35	24	8.3
15 0.5 + 35.3 + 35 2649	15	0.3 + 35	19	7.8
15 30.7 + 36.2 + 36 2623	15	30.7 + 36	12	7.5
^F 35 2642 14	14	57.3 + 35	47	5.8
14 57.4 + 35.8 + 35 2643	14	57.4 + 35	48	9.3
15 30.4 + 36.4 + 36 2622	15	30.3 + 36	24	8.2
15 7.0 + 36.5 + 36 2583	15	6.9 + 36	31	8.0

1855	P.D. No.	R.A.	Dec.	Magn.
^R 19 ^m 35.9 + 27.0 + 27 3471	19	35.874 + 27	3	7.1
19 29.6 + 26.8 + 26 3599	19	29.6 + 26	48	8.0
19 29.1 + 26.9 + 26 3594	19	29.1 + 26	54	6.9
19 13.2 + 26.7 + 26 3521	19	13.3 + 26	40	7.2

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Plate 748

V H. C. Kline Int

5.8 13.1	2	N	4
5.1 19.5	A	N	2
6.0 19.5	F 3939	K=H	1
6.0 19.9	A	N	2
6.9 10.2	F 3940	K=H	1
6.5 12.5	A	N	1
6.2 15.8	A	N	2
7.5 15.1	A	N	1
7.5 23.6	A	K=H	2
8.5 6.9	F 3941	K=H	2
8.6 7.8	F 3942	K=H	2
8.5 10.3	A	N	3
8.8 11.3	F 3943	K=H	3
8.6 20.8	A	N	2
9.4 9.2	A	N	1
9.1 15.8	B 3944	N	3
9.2 16.9	A	N	1
10.4 7.7	A	N	2
10.8 9.3	A	N	2
10.1 9.3	B 3949	K=H	3
10.8 10.2	A	N	1
10.5 10.4	A	N	1
11.0 19.6	H	N	1
10.8 20.0	A	N	1
10.8 20.9	A	N	1
11.2 7.7	A	N	3
12.0 15.7	A	N	2
12.0 18.4	p	N	2

1855	B.D. No.	R.A.	Dec.	Magn.	
$19^h 25.0 + 27.6$	$\begin{matrix} +27 \\ +27 \end{matrix}$	3410	19	$24.9 + 27.39$	3.0
		3411		$24.9 + 27.140$	6.5
$19 10.1 + 27.2 + 27$		3313	19	$10.1 + 27.12$	7.0
$19 10.1 + 27.7 + 27$		3311	19	$10.0 + 27.41$	9.2
$19 9.1 + 27.7 + 27$		3307	19	$9.2 + 27.42$	7.2
$19 31.5 + 28.2 + 28$		3412	19	$31.4 + 28.11$	7.1
$19 26.1 + 28.0 + 28$	$\begin{matrix} 27 \\ +28 \end{matrix}$	3420	19	$26.0 + 27.08$	9.5
$19 18.6 + 27.8 + 27$		3379	19	$18.6 + 27.48$	7.0
$19 19.9 + 28.4 + 28$		3328	19	$20.0 + 28.29$	8.0
$19 0.8 + 28.4 + 28$		3193	19	$0.9 + 28.24$	5.7
$19 39.1 + 28.9 + 28$		3460	19	$39.0 + 28.55$	6.8
$19 37.0 + 29.0 + 29$	$\begin{matrix} 28 \\ +29 \end{matrix}$	3447	19	$37.0 + 28.59$	7.2
$19 31.5 + 29.0 + 29$		3670	19	$31.4 + 29.07$	6.8
$19 29.1 + 29.2 + 29$		3651	19	$29.1 + 29.8$	5.8
$19 7.2 + 29.0 + 29$	$\begin{matrix} 28 \\ +29 \end{matrix}$	3240	19	$7.2 + 28.59$	7.0
$19 33.9 + 29.8 + 29$		3684	19	$33.7 + 29.49$	5.3
$19 18.5 + 29.3 + 29$		3584	19	$18.4 + 29.20$	5.2
$19 16.0 + 29.6 + 29$		3568	19	$16.0 + 29.38$	7.2
$19 37.5 + 29.9 + 29$		3710	19	$37.5 + 29.54$	7.3
$19 33.7 + 30.1 + 30$		3677	19	$33.8 + 30.5$	7.3
$19 33.6 + 29.8 + 29$		3684	19	$33.7 + 29.49$	5.3
$19 31.7 + 30.1 + 30$		3660	19	$31.7 + 30.6$	8.1
$19 31.1 + 30.0 + 30$		3658	19	$31.2 + 30.0$	7.8
$19 9.7 + 30.3 + 30$	$\begin{matrix} 3491 \\ +30 \end{matrix}$	3488	19	$9.7 + 30.16$	5.8
$19 8.6 + 30.1 + 30$		3479	19	$8.7 + 30.6$	7.8
$19 6.9 + 30.1 + 30$	$\begin{matrix} +30 \\ +30 \\ +30 \end{matrix}$	$\begin{matrix} 3463 \\ 3464 \\ 3465 \end{matrix}$	119	$\begin{matrix} 6.7 + 30.6 \\ 6.7 + 30.6 \\ 6.8 + 30.4 \end{matrix}$	$\begin{matrix} 7.5 \\ 7.7 \\ 7.4 \end{matrix}$
$19 37.5 + 30.3 + 30$		3706	19	$37.5 + 30.20$	6.2
$19 18.7 + 30.7 + 30$		3542	19	$18.7 + 30.46$	7.0
$19 12.4 + 30.7 + 30$		3502	19	$12.4 + 30.45$	6.9

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Plate 748

V-Hel. Perm. Kline Int.

11.3	22.2	a	R 2
13.0	5.7	a	R 1
12.3	9.7	a	R 1
12.4	11.0	F 3945	K=H 1
12.3	12.1	F 3946	K=H 2
12.6	13.6	F 3947	K=H 1
12.5	19.3	a	R 3
12.6	21.1	a	R 3
12.8	21.5	a	R 1
14.0	9.0	a	R 1
14.0	17.3	a	R 2
13.8	17.7	a	R 2
13.8	23.9	H	R 1
14.7	8.0	a	K=0.2 H 3
15.0	9.6	a	R 1
14.6	9.7	a	R 2
14.6	20.7	a	R 2
15.6	6.3	B	K=H 1
16.0	8.5	a	K=H 1
15.6	12.0	a	K=H 1
15.3	15.8	H	K=H 1
15.1	22.8	F 3948	K=H 3
16.7	10.7	a	R 2
16.7	12.8	a	K=0.2 H 2
16.1	11.8	F 3949	K=H 1
16.5	14.2	a	K=H 1
16.2	15.9	B	K=H 2
16.8	16.3	B	K=H 2

1855	B.D. No.	R.A.	Dec.	Magn.
19 ^m 3.8 + 30.3 + 30	3442	19	3.8 + 30 20	7.0
19 42.5 + 31.1 + 31	3779 3780	19	42.3 + 31 9	6.5 9.1
19 33.0 + 30.9 + 30	3673	19	33.0 + 30 53	7.9
19 30.0 + 31.0 + 30	3645	19	29.9 + 30 58	7.6
19 27.4 + 30.9 + 30	3622	19	27.3 + 30 56	6.9
19 23.9 + 31.1 + 31	3622	19	23.9 + 31 5	8.1
19 10.5 + 31.0 + 30	3494	19	10.4 + 30 59	6.9
19 6.2 + 31.0 + 31	3497	19	6.2 + 31 3	6.0
19 5.3 + 31.1 + 31	3488	19	5.3 + 31 4	9.1
19 34.6 + 31.7 + 31	3713	19	34.6 + 31 43	7.6
19 14.9 + 31.8 + 31	3550	19	14.9 + 31 50	7.0
19 14.0 + 31.7 + 31	3544	19	13.9 + 31 42	7.1
18 59.5 + 31.5 + 31	3453	18	59.4 + 31 32	6.0
19 37.2 + 32.1 + 32	3531	19	37.2 + 32 5	6.0
19 33.5 + 32.2 + 32	3572 3579	19	33.4 + 32 14	7.4 7.9
19 33.1 + 32.1 + 32	3506	19	33.1 + 32 5	7.5
19 6.9 + 32.0 + 32	3355	19	6.8 + 32 0	7.6
19 41.1 + 32.5 + 32	3557 3558	19	41.0 + 32 31	9.0
19 36.1 + 32.7 + 32	3526	19	36.1 + 32 44	7.0
19 27.6 + 32.6 + 32	3469	19	27.6 + 32 35	8.0
19 18.5 + 32.4 + 32	3416	19	18.5 + 32 27	7.5
19 2.0 + 32.3 + 32	3326	19	1.9 + 32 16	6.0
19 30.7 + 33.1 + 33	3518 3515	19	30.8 30.7 + 33 8	7.9 7.5
19 25.9 + 33.2 + 33	3487	19	25.8 + 33 10	7.0
19 28.0 + 32.9 + 32	3474	19	28.0 + 32 53	7.0
19 22.5 + 33.1 + 33	3463	19	22.4 + 33 5	7.4
19 18.1 + 32.9 + 32	3411	19	18.1 + 32 56	6.9
19 17.2 + 32.2 + 33	3434	19	17.1 + 33 14	6.2

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Plate 746

V Hb Cl. R. ^{Mr.} Kline Int.

16.6	17.8	A	R	3
16.2	18.8	A	R	2
17.3	6.5	F 3950	K=H	3
17.7	89.3	A	K=0.2H	3
17.6	9.8	A	R	1
17.3	11.3	H	R	1
18.0	11.9	A	R	1
17.2	13.2	S	K=H	2
18.1	7.6	A	R	3
19.0	11.1	A	R	2
18.2	11.2	A	R	1
18.6	12.6	B 3951	R	4
18.5	19.7	A	R	1
18.9	22.5	F 3952	K=H	1
19.8	6.7	B	K=H	1
19.8	10.1	H	R	1
19.1	19.6	F 3953	K=H	1
19.3	21.8	B	K=H	1
19.7	21.9	A	R	2
20.4	13.5	A	R	1
20.2	14.5	A	R	1
20.2	17.1	A	R	3
20.6	19.9	A	R	1
22.0	6.9	A	R	3
21.6	14.5	A	R	1
22.2	12.9	A	R	5
22.2	13.5	A	R	2
22.8	14.1	A	R	1

22.2

1855	B.D. No.	R.A.	Dec.	Magn.
19	13.6 + 33.1 + 33	3409	19	13.6 + 33 8 6.8
19	11.4 + 32.9 + 32	3379	19	11.3 + 32 52 7.5
19	41.0 + 33.4 + 33	3591	19	41.0 + 33 24 9.2
19	34.4 + 33.6 + 33	3547	19	34.3 + 33 38 6.5
19	33.1 + 33.6 + 33	3534	19	33.0 + 33 34 8.3
19	29.5 + 33.5 + 33	3507	19	29.5 + 33 29 7.5
19	27.9 + 33.7 + 33	3500	19	27.9 + 33 46 8.3
19	25.0 + 33.4 + 33	3480	19	24.9 + 33 26 7.0
19	38.5 + 33.8 + 33	3572	19	38.4 + 33 49 6.7
19	30.0 + 34.4 + 34	3620	19	30.0 + 34 22 7.0
19	29.7 + 33.9 + 33	3570	19	29.7 + 33 53 8.0
19	26.5 + 34.1 + 34	3590	19	26.4 + 34 9 4.6
19	9.0 + 34.0 + 34	3470	19	8.9 + 34 4 7.3
19	2.4 + 34.1 + 34	3431	19	2.3 + 34 10 7.5
19	40.5 + 34.3 + 34	3702	19	40.4 + 34 40 6.6
19	32.4 + 34.7 + 34	3637	19	32.3 + 34 41 6.5
19	9.1 + 34.3 + 34	3475	19	9.2 + 34 18 7.2
19	3.7 + 34.3 + 34	3438	19	3.7 + 34 22 8.5
19	3.5 + 34.5 + 34	3437	19	3.5 + 34 31 6.5
19	24.0 + 35.0 + 35	3648	19	24.0 + 35 1 8.3
19	21.6 + 34.9 + 34	3551	19	21.6 + 34 53 7.7
19	15.2 + 34.9 + 34	3503	19	15.3 + 34 55 6.4
19	8.2 + 35.0 + 35	3531	19	8.2 + 35 0 8.2
19	40.4 + 35.7 + 35	3787	19	40.3 + 35 45 7.0
19	21.7 + 35.6 + 35	3623	19	21.6 + 35 37 7.5
19	25.6 + 35.9 + 35	3658	19	25.5 + 35 56 6.5
19	24.2 + 36.0 + 35	3650	19	24.3 + 35 59.5 6.5
19	22.5 + 36.2 + 36	3566	19	22.5 + 36 14 7.3

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Plate 746

V-Hb Cl. ^{new} Kline Int.

22.4 14.8 a	N 3
22.3 19.4 a	N 1
22.9 19.7 a	N 2
22.4 20.3 a	N 2
22.3 22.4 a	N 2
23.6 10.9 a	N 2

P.A. 20 ⁴/₄₁ ^{new} Rev. + 32

Plate 807

3.9 12.8 b	K=1.2 H 3
4.5 13.7 a	K=H ^N 1
4.9 14.7 ^F 3954	K=H 1
5.8 11.7 d	K=H 2
6.9 11.8 a 3955	N 2
6.2 13.1 ^F 3956	K=H 2
7.9 12.4 ^F 3957	K=H 1
8.0 16.2 a	K=H 1
8.9 12.4 H	K=H 1
9.1 10.1 ^F 3958	K=H 1
9.2 17.7 a	K=0.2 H 3
10.2 5.7 a	N 3
10.9 6.3 a	N 1
10.7 8.5 a	K=H 1
10.4 10.2 e	K=H 1
10.9 15.5 ^G 2 d	K=1.2 H 3
10.8 18.1 ^F 3959	K=H 1
10.3 18.4 ^G 2 d	K=H 2
10.9 18.7 a	N 1

1855	B.D. No.	R.A.	Dec.	Magn.
$19^{\circ} 21.0 + 36.0 + 36$	3557	$19^{\circ} 20.9 + 36$	2	5.0
$19^{\circ} 9.5 + 35.9 + 35$	3534	$19^{\circ} 9.4 + 35$	55	7.8
$19^{\circ} 8.9 + 36.2 + 36$	3458	$19^{\circ} 6.7 + 36$	10	6.9
$19^{\circ} 7.2 + 35.9 + 35$	3523	$19^{\circ} 7.2 + 35$	56	6.8
$19^{\circ} 2.0 + 35.9 + 35$	3485	$19^{\circ} 2.1 + 35$	52	5.2
$19^{\circ} 30.5 + 36.6 + 36$	3619	$19^{\circ} 30.6 + 36$	37	6.0

?

1855	B.D. No.	R.A.	Dec.	Magn.
$20^{\circ} 46.0 + 26.5 + 26$	4017	$20^{\circ} 45.9 + 26$	33	5.0
$20^{\circ} 43.9 + 26.8 + 26$	4008	$20^{\circ} 43.9 + 26$	50	7.5
$20^{\circ} 41.7 + 27.1 + 27$	3868	$20^{\circ} 41.7 + 27$	4	7.0
$20^{\circ} 48.5 + 27.5 + 27$	3911	$20^{\circ} 48.4 + 27$	30	5.3
$20^{\circ} 48.2 + 27.9 + 27$	3909	$20^{\circ} 48.2 + 27$	58	7.0
$20^{\circ} 45.2 + 27.7 + 27$	3890	$20^{\circ} 45.3 + 27$	42	6.1
$20^{\circ} 47.0 + 28.6 + 28$	4220 ³⁹¹⁶	$20^{\circ} 47.0 + 28$	37 ³⁶	7.3 ^{7.7}
$20^{\circ} 38.0 + 28.6 + 28$	4173	$20^{\circ} 38.0 + 28$	36	7.3
$20^{\circ} 47.1 + 29.1 + 29$	4221	$20^{\circ} 47.0 + 29$	7	6.6
$20^{\circ} 52.3 + 29.1 + 29$	4254	$20^{\circ} 52.3 + 29$	7	8.1
$20^{\circ} 34.6 + 29.3 + 29$	4131	$20^{\circ} 34.6 + 29$	18	6.5
$21^{\circ} 2.4 + 29.6 + 29$	4324	$21^{\circ} 2.5 + 29$	37	6.1
$21^{\circ} 1.0 + 30.0 + 30$	4322	$21^{\circ} 1.0 + 30$	1	7.0
$20^{\circ} 56.1 + 29.9 + 29$	4284	$20^{\circ} 56.2 + 29$	57	7.5
$20^{\circ} 52.1 + 29.8 + 29$	4253	$20^{\circ} 52.2 + 29$	50	6.7
$20^{\circ} 39.6 + 30.2 + 30$	4167	$20^{\circ} 39.7 + 30$	11	4.3
$20^{\circ} 33.7 + 30.0 + 30$	4124 ^{+29 4124}	20^{\circ} 33.6 + 30 ^{33.6 + 29 59.6}	6 ^{7.8}	7.6
$20^{\circ} 33.1 + 29.8 + 29$	4121	$20^{\circ} 33.0 + 29$	50	6.5
$20^{\circ} 32.1 + 30.1 + 30$	4108	$20^{\circ} 32.2 + 30$	4	7.2

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Plate 807

Hb Bl. Rem. ^m K line Int.

10.3 20.0 A 3960 R 1

10.5 22.5 F 3961 K=H 3

12.0 6.7 F 3962 K=H 2

11.4 13.5 F 3963 K=H 1

12.9 10.0 A R 2

12.8 12.2 F 3964 K=H 2

12.4 13.6 A R 1

12.9 14.7 A₁ K=H 1

12.2 17.0 A R 2

12.4 17.6 F 3965 K=H 1

12.7 18.9 ~~B~~ 3966 R 3

13.9 11.3 A K=H 1

13.8 14.9 A R 1

13.8 18.9 F 3967 K=H 1

15.0 11.7 F 3968 K=H 1

14.4 15.0 A R 2

14.2 17.4 B X K=H 2

14.4 19.1 A R 1

15.2 12.9 B 3969 R 2

16.4 12.1 B K=H 2

15.6 20.5 A R 1

17.3 15.2 G K=1.1 H 4

17.7 16.2 A R 1

17.3 16.4 A R 1

17.2 16.5 A R 1

17.6 22.7 A R 2

17.9 6.7 F 3970 K=H 1

19.0 12.5 A R 1

Oct. 14, 1904

*

Two stars superposed. gave the appearance of a low B. F. now not separate or by no means separate from the plate

1855	B.D. No.	P.A.	Decl.	Ulag.
20 29.2 + 29.8 + 29	4092	20	29.2 + 29	46 7.8
20 23.5 + 29.9 + 29	4057	20	23.5 + 29	53 4.2
21 0.5 + 30.6 + 30	4318	21	0.4 + 30	36 5.6
20 44.6 + 30.4 + 30	4199	20	44.6 + 30	22 7.0
20 52.9 + 31.1 + 31	4294	20	52.8 + 31	2 7.2
20 47.6 + 31.1 + 31	4254	20	47.6 + 31	5 6.7
20 44.6 + 30.8 + 30	4197	20	44.4 + 30	49 7.7
20 42.0 + 31.1 + 31	4222	20	41.9 + 31	8 7.8
20 36.1 + 30.8 + 30	4145	20	36.1 + 30	48 6.8
20 34.7 + 30.8 + 30	4134	20	34.7 + 30	51 8.3
20 31.5 + 31.1 + 31	4159	20	31.6 + 31	4 6.2
20 49.7 + 31.6 + 31	4267	20	49.8 + 31	37 7.8
20 41.3 + 31.6 + 31	4220	20	41.2 + 31	38 7.7
20 31.1 + 31.8 + 31	4154	20	31.1 + 31	51 7.1
20 48.8 + 32.2 + 32	3984	20	48.9 + 32	9 7.3
20 41.0 + 31.9 + 31	4217	20	40.9 + 31	53 7.2
20 35.3 + 31.8 + 31	4181	20	35.2 + 31	48 6.0
20 31.1 + 31.8 + 31	4154	20	31.1 + 31	51 7.1
20 46.1 + 32.3 + 32	3974	20	46.1 + 32	18 6.7
20 48.1 + 32.9 + 32	3980	20	48.0 + 32	53 6.0
20 27.7 + 32.4 + 32	3862	20	27.7 + 32	25 7.5
20 40.2 + 33.4 + 33	4018	20	40.4 + 33	25 2.6
20 38.3 + 33.5 + 33	3909	20	38.1 + 33	33 8.5
20 37.5 + 33.3 + 33	4003	20	37.4 + 33	19 8.0
20 37.7 + 33.4 + 33	4004	20	37.6 + 33	21 7.8
20 22.5 + 33.4 + 33	3914	20	22.4 + 33	24 7.2
21 0.9 + 33.5 + 33	4162	21	0.9 + 33	33 7.5
20 47.3 + 34.2 + 34	4196	20	47.3 + 34	12 7.8

November 9, 1893

Plate 807

V 76 Cal. P^m Kline Int.

18.6 12.9 F 3971 K=H 1

19.0 13.4 E K=H 1

18.2 14.9 J K=H 3

18.7 16.8 A K=H 1

19.0 20.2 A R 2

18.3 21.2 F 3972 K=H 2

18.5 23.1 F 3973 K=H 2

19.6 17.3 F 3974 K=H 1

20.4 16.7 F 3975 R 2

20.1 20.2 J K=H 3

21.6 9.2 J K=H 2

21.4 13.4 A R 1

22.3 11.1 A R 1

22.4 14.7 F 3976 R 3

22.8 18.8 A R 1

22.7 21.9 A R 2

23.6 11.8 A R 2

RA. 22 38. Dec. +31.4

Plate 3288

5.5 22.0 J K=H 3

7.9 15.8 A R 2

8.1 6.7 Ina K=1.5 H 4

8.3 17.0 A R 1

9.2 11.1 H R 1

10.3 12.3 A R 1

10.4 15.4 A R 2

10.3 16.4 A R 5

1855	L.D. No.	P. G.	Dec.	Magn.
$20^h 46.2 + 34.1 + 34^0$	4184	$20^h 46.0 + 34^0$	7	7.5
$20^h 45.2 + 34.2 + 34^0$	4184 ⁴¹⁸⁹	$20^h 45.2 + 34^0$	11 ¹³	7.5 ^{6.8}
$20^h 41.4 + 33.8 + 33^0$	4028	$20^h 41.4 + 33^0$	57	6.0
$20^h 36.5 + 34.6 + 34^0$	4124	$20^h 36.5 + 34^0$	3	8.1
$20^h 28.4 + 34.2 + 34^0$	4081	$20^h 28.4 + 34^0$	11	7.2
$20^h 26.0 + 33.8 + 33^0$	3938	$20^h 25.9 + 33^0$	51	7.0
$20^h 21.5 + 33.8 + 33^0$	3910	$20^h 21.5 + 33^0$	51	6.7
$20^h 35.2 + 34.5 + 34^0$	4114	$20^h 35.2 + 34^0$	31	7.5
$20^h 36.9 + 34.9 + 34^0$	4127	$20^h 36.7 + 34^0$	56	7.5
$20^h 28.2 + 34.7 + 34^0$	4079 ⁴⁰⁷⁹	28.2 + 34^0 ^{28.3}	44 ⁴⁶	7.5 ^{5.4}
$20^h 55.5 + 35.4 + 35^0$	4357	$20^h 55.4 + 35^0$	28	6.22
$20^h 45.2 + 35.4 + 35^0$	4291	$20^h 45.2 + 35^0$	23	8.2
$20^h 50.6 + 35.8 + 35^0$	4332	$20^h 50.7 + 35^0$	50	7.6
$20^h 41.7 + 35.9 + 35^0$	4267	$20^h 41.8 + 35^0$	58	4.7
$20^h 31.6 + 36.1 + 36^0$	4150	$20^h 31.6 + 36^0$	5	7.4
$20^h 23.7 + 35.9 + 35^0$	4141	$20^h 23.8 + 35^0$	58	6.2
$20^h 49.1 + 36.5 + 36^0$	4314	$20^h 49.0 + 36^0$	32	6.5

1855	L.D. No.	P. G.	Dec.	Magn.
$22^h 22.4 + 26.0 + 26^0$	4439	$22^h 22.4 + 26^0$	2	5.7
$22^h 36.1 + 27.2 + 27^0$	4388	$22^h 36.1 + 27^0$	14	7.8
$22^h 56.6 + 27.3 + 27^0$	4480	$22^h 56.7 + 27^0$	18	var.
$22^h 33.6 + 27.4 + 27^0$	4376	$22^h 33.6 + 27^0$	27	7.9
$22^h 47.0 + 27.9 + 27^0$	4434	$22^h 46.9 + 27^0$	52	7.5
$22^h 44.4 + 28.5 + 28^0$	4468	$22^h 44.4 + 28^0$	29	8.5
$22^h 37.1 + 28.5 + 28^0$	4443	$22^h 37.1 + 28^0$	31	8.0
$22^h 35.0 + 28.5 + 28^0$	4436	$22^h 35.0 + 28^0$	33	4.5

November 9, 1893

Plate 3288

V. H. L. R. ^{nm} Kline Int.

where is this star?

10.9 20.2 a	$K=0.5H3$
10.0 21.9 H	$R1$
12.0 13.9 a	$K=H2$
12.0 15.8 G(2)	$K=H3$
11.2 17.7 a	$R2$
11.6 18.0 H	$R1$
11.7 19.4 H	$R1$
12.6 14.8 D	$K=H2$
13.0 8.3 a	$R3$
13.3 11.4 a	$K=H2$
13.9 13.6 a	$R2$
13.8 14.1 a	$R1$
13.6 16.5 H	$R2$
14.0 17.3 H	$R1$
13.3 18.5 a	$R2$
13.4 19.3 H	$R1$
13.8 22.8 H	$R1$
14.6 6.7 $\overline{F}3977$	$K=H2$
14.7 10.9 a	$R2$
14.4 13.1 $\overline{F}3978$	$K=H1$
14.4 19.9 H	$R1$
14.2 21.4 a	$R3$
15.4 7.6 $\overline{F}3979$	$K=H3$
15.3 17.0 H	$R1$
15.5 22.4 D	$K=H3$
16.1 7.0 H	$R1$
16.6 12.7 a	$R2$
16.8 13.2 a	$R2$

1855	B.D. No.	P.A.	Dec.	Magn
22	22.3+28.3+28	4381	22 22.4+28 18	7.0
22	41.0+29.3+29	4767	22 40.9+29 22	8.2
22	36.2+29.4+29	4741	22 36.2+29 28	3.2
22	31.9+28.9+28	4424	22 31.9+28 57	7.8
22	31.1+29.2+29	4715	22 31.2+29 10	7.4
22	28.1+29.2+29	4699	22 28.1+29 13	6.8
22	38.7+29.7+29	4753	22 38.8+29 41	7.2 ?
22	54.0+30.3+30	4859	22 53.8+30 19	6.0
22	46.7+30.0+30	4823	22 46.6+30 0	9.5
22	41.7+30.3+30	4809	22 41.7+30 20	7.8
22	40.5+30.3+30	4803	22 40.5+30 17	7.9
22	34.7+30.2+30	4770	22 34.6+30 13	9.2
22	33.0+30.4+30	4761	22 33.0+30 24	7.0
22	30.1+30.1+30	4752	22 30.0+30 2	7.1 9.2
22	28.4+30.1+30	4744	22 28.3+30 3	7.0
22	20.4+30.2+30	4711	22 20.4+30 13	6.7
22	57.7+30.5+30	4869	22 57.7+30 31	6.5
22	47.9+30.7+30	4835	22 47.9+30 42	6.6
22	43.0+30.5+30	4816	22 42.9+30 32	7.5
22	27.0+30.5+30	4733	22 26.9+30 32	7.5
22	23.5+30.4+30	4726	22 23.5+30 28	7.0
22	55.7+31.0+31	4829	22 55.7+31 00	6.3
22	33.6+31.0+31	4757	22 33.6+31 2	7.9
22	21.1+31.1+31	4701	22 21.2+31 6	6.2
22	57.1+31.3+31	4833	22 57.1+31 14	8.9 ?
22	43.8+31.7+31	4793	22 43.8+31 42	8.0
22	42.6+31.8+31	4788	22 42.6+31 46	7.8

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Plate 3288

V Hb Col. Rem. Helme Int.

16.2	18.0	H	N 1
16.9	21.3	A	N 4
17.7	5.6	A	K=H 3
17.3	12.4	A	N 3
18.0	13.5	A	N 1
17.3	15.6	H	N 1
17.3	18.9	A	N 2
17.5	21.5	H	N 1
17.4	23.5	A	N 2
18.7	6.7	A	K=H 1
18.8	9.0	H	N 1
18.5	20.4	A	N 2
18.3	21.3	H	N 1
18.9	22.4	F 3980	K=H 2
19.9	9.3	A	K=H 2
20.0	11.4	B	K=H 1
19.3	20.2	A	N 2
21.0	8.2	F 3981	K=H 3
20.5	10.3	F 3982	K=H 1
20.4	12.6	F 3983	K=H 2
20.2	20.2	A	K=H 2
22.3	9.6	H	N 1
22.3	12.0	A	N 3
22.8	12.2	A	N 1
22.3	15.8	A	N 1
22.9	18.4	J	N 2
22.8	18.7	J	K=H 2 + 3
22.6	20.0	A	N 3

1855	B.D. No.	Q.C.	Dec.	Ulag.
^{h m} 22 31.4 + 31.5 + 31	4742	22	31.4 + 31 30	7.8
22 23.4 + 31.8 + 31	4708	22	23.4 + 31 50	6.0
23 0.6 + 32.1 + 32	4588	23	0.7 + 32 4	^{6.3} 7.5
22 44.7 + 32.1 + 32	4529	22	44.8 + 32 4	6.5
22 42.0 + 32.4 + 32	4521	22	42.0 + 32 25	8.1
22 37.0 + 32.1 + 32	4500	22	36.9 + 32 5	7.5
22 29.1 + 32.1 + 32	4462	22	29.0 + 32 2	7.2
22 23.1 + 32.1 + 32	4437	22	23.0 + 32 6	7.6
22 18.5 + 32.1 + 32	4416	22	18.5 + 32 4	6.9
22 58.2 + 32.6 + 32	4575	22	58.1 + 32 36	7.2
22 53.0 + 32.7 + 32	22			
22 25.5 + 32.6 + 32	4448	22	25.5 + 32 38	7.8
22 23.5 + 32.5 + 32	4441	22	23.6 + 32 31	8.2
22 20.8 + 32.8 + 32	4428	22	20.8 + 32 47	7.5
22 52.1 + 33.3 + 33	4621	22	52.2 + 33 18	6.8
22 47.2 + 33.4 + 33	4607	22	47.3 + 33 26	7.0
22 26.0 + 33.1 + 33	4529	22	25.9 + 33 4	7.7
22 55.1 + 33.8 + 33	4622	22	55.0 + 33 50	6.8
22 49.9 + 33.6 + 33	4615	22	49.9 + 33 35	7.5
22 44.4 + 33.6 + 33	4599	22	44.4 + 33 36	7.3
22 26.0 + 33.5 + 33	4530	22	26.0 + 33 30	7.5
22 51.6 + 34.5 + 34	4807	22	51.6 + 34 31	7.0
22 46.0 + 34.6 + 34	4781	22	45.8 + 34 34	7.2
22 45.5 + 34.8 + 34	4778	22	45.4 + 34 47	8.2
22 36.5 + 34.5 + 34	4757	22	36.4 + 34 34	8.0
22 30.2 + 34.9 + 34	4729	22	30.2 + 34 54	6.5
22 29.5 + 34.8 + 34	4728	22	29.6 + 34 50	6.3
22 26.5 + 34.7 + 34	4714	22	26.4 + 34 42	7.5

Nov. 9. 1893

Plate 3288

O He Col. Perm^{mr} Helmic Int.

23.3 6.1 H R 1

23.0 14.7 F 3984 K=H 2

23.2 21.3 A R 3

24.2 16.7 H R 1

24.4 10.8 A R 3

h	m
12	50

1855	B.D. No.	P.Q.	Dec.	Magn.
23 ^h 0.2 ^m + 34.9 + 34	4847.23	0.2 + 34	57	6.5
22 39.3 + 34.9 + 34	4766.22	39.3 + 34	55	7.5
22 23.1 + 34.9 + 34	4700.22	23.2 + 34	59	6.5
22 34.6 + 35.5 + 35	4864.22	34.5 + 35	31	6.5
22 49.0 + 35.6 + 35	4917.22	49.0 + 35	36	6.0

R.A. $0^h 38^m$ Dec. $+41.9^\circ$ November 13, 1893

Plate 3251

 0^h
 05^m

Q. H. C. L. R. M. K. L. M. Int.

5.9 10.3 F	3985	K=H	1
5.7 12.1 J		K=H	2
7.0 6.7 A		R	2
6.5 9.3 A		R	2
7.7 10.9 A		K=0.2 H	4
7.8 12.4 A		R	2
7.0 13.1 H		R	1
7.5 18.9 H		R	1
7.7 21.3 F	3986	K=H	1
6.3 16.8 F	3987	K=H	1
8.7 10.0 F	3988	K=H	1
where is this star? 8.9 21.8 A		K=H	1
8.9 14.6 H		R	1
8.6 16.6 A		R	2
8.6 20.2 F	3989	K=H	2
8.9 20.7 A		R	2
9.9 8.7 F	3990	K=H	1
9.7 10.4 H		K=H	2
9.6 16.8 G		K=H	3
10.8 7.9 A		K=H	2
11.0 10.0 A		R	2
10.1 16.8 E		K=H	2
11.5 11.5 A		R	1
11.2 12.5 F	3991	K=H	2
11.1 17.0 H		R	1
11.9 15.5 Dra ₍₁₁₎		R	1
11.4 18.2 A		R	3
12.7 10.0 F	3992	K=H	1

1855	B.D. No.	R. A.	Dec.	Magn.	11 9. 4
0 ^h 50.1 + 36.7 + 36	164	0 ^h 50.0 + 36	43	7.3	
0 45.6 + 36.6 + 36	148	0 45.5 + 36	38	6.5	
0 59.1 + 37.2 + 37	212	0 59.1 + 37	10	9.3	
0 52.5 + 37.0 + 37	190	0 52.5 + 37	0	7.0	
0 48.7 + 37.7 + 37	175	0 48.7 + 37	43	4.2	
0 45.0 + 37.8 + 37	159	0 44.9 + 37	46	6.7	
0 43.1 + 37.2 + 37	151	0 43.3 + 37	15	7.0	
0 28.2 + 37.4 + 37	98	0 28.3 + 37	27	7.2	
0 22.0 + 37.5 + 37	75	0 22.2 + 37	32	7.4	
0 34.0 + 38.1 + 38	94	0 34.0 + 38	6	7.6	
0 50.9 + 38.1 + 38	152	0 50.8 + 38	6	9.1	
0 39.4 + 38.2 + 38	112	0 39.4 + 38	14	7.8	
0 34.0 + 38.1 + 38	94	0 34.0 + 38	6	7.6	
0 25.0 + 38.1 + 38	68	0 25.0 + 38	3	7.0	
0 23.6 + 38.2 + 38	63	0 23.6 + 38	13	8.5	
0 54.5 + 38.7 + 38	176	0 54.5 + 38	42	8.0	
0 50.0 + 38.7 + 38	148	0 50.1 + 38	42	6.8	
0 33.2 + 38.6 + 38	90	0 33.3 + 38	39	5.5	
0 56.6 + 39.2 + 39	249	0 56.5 + 39	12	6.5	
0 51.2 + 39.4 + 39	224	0 51.4 + 39	22	7.0	2
0 33.4 + 38.8 + 38	91	0 33.4 + 38	48	8.0	
0 47.4 + 39.6 + 39	210	0 47.4 + 39	36	7.2	
0 45.0 + 39.4 + 39	198	0 44.9 + 39	27.5	6.5	2
0 33.0 + 39.4 + 39	154	0 32.9 + 39	25	7.0	
0 36.7 + 39.9 + 39	167	0 36.7 + 39	53	7.1	
0 29.6 + 39.5 + 39	138	0 29.6 + 39	32	6.5	
0 51.1 + 40.1 + 40	197	0 50.8 + 40	4	9.4	

November 13, 1891

Plate 3251

V Hb Cl. Perm. Kline Int.

12.4 13.4 A	N 2
12.7 13.7 A	N 4
12.8 13.8 E	K-H 1
12.3 15.0 E	K-H 1
12.1 16.4 F 3993	K-H 2
12.6 21.3 F 3994	K-H 1
14.0 6.9 A	N 2
13.4 7.0 E	K-H 1
13.5 8.7 A	N 3
13.7 12.1 A	N 1
13.2 13.0 A	N 2
13.3 16.2 ?	N 2
13.9 20.6 A	N 2
15.0 16.0 F 3995	K-H 3
15.2 11.7 F 3996	K-H 1
15.8 18.0 E	K-H 1
15.9 20.3 A	K-H 1
16.6 7.0 A	N 2
17.0 89.7 H	N 1
16.6 11.2 G 29	K-H 3
16.4 17.2 A	N 1
16.2 19.0 H	N 1
17.9 7.3 F 3997	K-H 2
17.4 8.1 F 3998	K-H 1
17.5 8.9 A	N 1
17.4 12.3 F 3999	K-H 2
17.5 15.1 F 4000	K-H 1
18.0 19.3 H	N 1

1855	B.D. No.	R.A.	DEC.	Magn.
^h 42.4 + 40.0 + 40	172	0	42.5 + 40 0	7.5
0 41.9 + 40.3 + 40	171	0	41.9 + 40 18	4.7
0 41.2 + 40.3 + 40	167	0	41.3 + 40 18	7.6
0 38.1 + 40.0 + 40	158	0	38.1 + 40 0.8	7.5
0 34.1 + 39.9 + 39	158	0	34.2 + 39 54	7.0
0 21.7 + 40.1 + 40	98	0	21.7 + 40 2.5	7.6
0 59.5 + 40.7 + 40	224	0	59.6 + 40 45	
0 59.1 + 40.5 + 40	222	0	59.3 + 40 29	
0 54.7 + 40.5 + 40	209	0	54.8 + 40 33	6.0
0 45.8 + 40.7 + 40	186	0	45.9 + 40 42	8.5
0 43.4 + 40.4 + 40	175	0	43.2 + 40 26	8.7
0 34.7 + 40.5 + 40	148	0	34.8 + 40 28	neb.
0 23.1 + 40.7 + 40	104	0	23.1 + 40 43	7.3
1 2.1 + 41.3 + 41	219	1	2.1 + 41 18	6.2
0 47.3 + 41.4 + 41	163	0	47.1 + 41 27.9	
0 29.9 + 41.7 + 41	96	0	29.9 + 41 44.8	
0 23.6 + 41.7 + 41	74	0	23.6 + 41 44	7.5
0 59.8 + 42.1 + 42	240	0	59.9 + 42 4	7.0
0 52.6 + 42.3 + 42	216	0	52.5 + 42 20	7.5
0 48.5 + 42.2 + 42	205	0	48.4 + 42 12	6.5
0 32.1 + 42.1 + 42	137	0	32.1 + 42 15	
0 27.3 + 41.9 + 41	87	0	27.2 + 41 54	7.7
0 59.2 + 42.7 + 42	239	0	59.1 + 42 45	
0 56.7 + 42.5 + 42	232	0	56.8 + 42 30	8.0
0 55.0 + 42.5 + 42	215	0	+ 42	
0 45.6 + 42.6 + 42	195	0	45.6 + 42 35	7.3
0 37.5 + 42.6 + 42	161	0	37.5 + 42 36	8.0
0 26.1 + 42.8 + 42				

Q. A. greater

2. " less

" greater

November 13, 1893

Plate 3251

H₂ Cl ²⁰⁰ Kline Int.

V=18.5 ?

17.7 19.8 a	N 3
18.0 7.1 a	N 4
18.5 10.7 a	N 1
18.8 13.8 b	K=H 1
18.9 13.9 H	K=H 1
18.5 16.2 H	K=H 1
18.6 17.4 a	N 1
18.7 20.3 a	N 3
20.0 10.0 a	N 3
19.2 14.9 H	N 1
20.0 17.4 a	N 2
19.6 18.2 g	K=H 3
19.9 18.4 a	N 2
19.6 21.3 a	K=0.2H 4
19.5 22.8 F ₄₀₀₁	K=H 2
20.0 23.1 a	N 2
20.4 7.1 a	N 2
20.5 10.5 H	N 1
20.8 11.7 H	N 1
20.5 13.5 a	N 2
20.5 14.1 H	N 1
20.2 15.0 a	N 3
20.2 16.6 H	N 1
21.3 6.9 a	N 1
21.5 9.7 g	K=H 1
21.8 10.7 a	K=H 2
21.5 14.9 a	N 2
21.2 22.8 H	N 1

1855	B.D. No.	R.A.	Dec.	Magn.
0 ^h 24.6 + 42.7 + 42	99	0 ^h 24.6 + 42	42	6.5
0 59.6 + 43.2 + 43	234	0 59.7 + 43	10.5	5.2
0 50.0 + 43.1 + 43	187	0 49.9 + 43	4	8.3
0 41.6 + 43.3 + 43	159	0 41.6 + 43	17	7.5
0 41.1 + 43.4 + 43	156	0 41.1 + 43	23	7.7
0 34.5 + 43.1 + 43	135	0 34.4 + 43	8	7.0
0 31.2 + 43.2 + 43	126	0 31.2 + 43	13	9.2
0 23.5 + 43.1 + 43	99	0 23.4 + 43	9	8.3
0 51.7 + 43.9 + 43	93	0 51.9 + 43	55	6.2
0 38.2 + 43.5 + 43	146	0 38.5 + 43	29.7	7.5
0 31.1 + 43.8 + 43	124	0 31.1 + 43	52	
0 28.7 + 43.6		+ 43		
0 28.3 + 43.8 + 43				
0 20.4 + 43.6 + 43	92	0 20.4 + 43	37	5.5
0 16.5 + 43.4 + 43	71	0 16.3 + 43	23	9.0
0 15.5 + 43.7 + 43	67	0 15.4 + 43	43	7.0
0 59.6 + 44.0 + 44	240	0 59.9 + 44	2	7.6
0 50.5 + 44.2 + 44	208	0 50.5 + 44	10	8.1
0 47.3 + 44.3 + 44	195	0 47.3 + 44	18	7.5
0 42.1 + 44.2 + 44	176	0 42.2 + 44	12	6.8
0 40.5 + 44.2 + 44	169	0 40.5 + 44	11	8.1
0 38.1 + 44.1 + 44	159	0 + 44		
0 33.5 + 44.0 + 44	146	0 33.5 + 44	1	8.0
0 0.6 + 44.4 + 44	247	0 0.6 + 44	26	7.5
0 53.1 + 44.6 + 44	215	0 53.1 + 44	40	7.2
0 50.1 + 44.8 + 44	206	0 50.1 + 44	48	7.5
0 38.4 + 44.6 + 44	162	0 38.4 + 44	38	7.5
0 16.0 + 44.3 + 44	76	0 16.8 + 44	16	7.7

R.A. - 3" greater

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Plate 3251

8 Hb. Ed. ^{mm} Kline Int.

22.3	10.9	\mathcal{H}	$\mathcal{H} = H 3$
22.5	16.0	\mathcal{H}	$\mathcal{H} 1$
23.3	6.2	\mathcal{H}	$\mathcal{H} 1$
24.0	11.5	\mathcal{H}	$\mathcal{H} 1$
22.0	11.5	\mathcal{H}	$\mathcal{H} 1$
22.2	12.8	\mathcal{H}	$\mathcal{H} 1$
22.1	23.9	\mathcal{H}	$\mathcal{H} 2$
23.8	12.5	\mathcal{H}	$\mathcal{H} 2$
24.0	13.3	\mathcal{H}	$\mathcal{H} 1$
23.6	13.8	\mathcal{H}	$\mathcal{H} = H 1$
24.4	14.8	\mathcal{H}	$\mathcal{H} 1$
24.6	15.7	\mathcal{H}	$\mathcal{H} 3$

P.A. ⁴ 16 Dec. +41.1

Plate 3266

5.8	7.0	\mathcal{H}	$\mathcal{H} 1$
5.9	13.5	\mathcal{H}	$\mathcal{H} 1$
5.5	15.0	\mathcal{H}	$\mathcal{H} 1$
6.2	11.2	\mathcal{H}	$\mathcal{H} 3$
6.6	14.9	\mathcal{H}	$\mathcal{H} 1$
7.0	15.3	\mathcal{H}	$\mathcal{H} 3$
6.4	17.3	\mathcal{H}	$\mathcal{H} = H 2$
7.0	20.3	\mathcal{H}	$\mathcal{H} 3$
7.9	5.6	\mathcal{H}	$\mathcal{H} = H 2$
7.3	7.2	\mathcal{H}	$\mathcal{H} 2$
7.8	21.8	\mathcal{H}	$\mathcal{H} 2$
8.9	8.0	\mathcal{H}	$\mathcal{H} 1$
8.2	12.0	\mathcal{H}	$\mathcal{H} 1$

1855	B.D. No.	R.A.	Dec.	Magn.
$0^h 49.5 + 45.1 + 45.234?$	0^h	$+45$		
$0 35.0 + 45.1 + 45$	181	$0 34.8 + 45$	8	7.0
$1 2.9 + 45.4 + 45$	291	$1 2.8 + 45$	25	6.9
$0 48.1 + 45.9 + 45$	234	$0 48.0 + 45$	52	7.6
$0 47.6 + 44.9 + 44$	196	$0 47.8 + 44$	53	8.5
$0 44.2 + 45.0 + 45$	221	$0 44.0 + 45$	2	9.3
$0 13.0 + 44.7 + 44$	62	$0 12.9 + 44$	42	7.5
$0 45.1 + 45.8 + 45$	227	$0 45.2 + 45$	48	7.8
$0 42.9 + 45.9 + 45$	215	$0 42.9 + 45$	56	7.1
$0 41.5 + 45.7 + 45$	209	$0 41.4 + 45$	43	7.0
$0 38.5 + 46.1 + 46$	165	$0 38.6 + 46$	7	7.0
$0 35.4 + 46.2 + 46$	146	$0 35.5 + 46$	15	4.5

1855	B.D. No.	R.A.	Dec.	Magn.
$1^h 36.2 + 36.2 + 36$	306	$1^h 36.2 + 36$	13	6.8
$1 20.1 + 36.3 + 36$	259	$1 20.1 + 36$	20	7.3
$1 16.1 + 36.1 + 36$	241	$1 16.2 + 36$	8	7.3
$1 26.0 + 36.5 + 36$	277	$1 25.9 + 36$	30	6.2
$1 16.7 + 36.6 + 36$	244	$1 16.7 + 36$	42	7.8 ?
$1 15.4 + 36.9 + 36$	237	$1 + 36$		
$1 10.6 + 36.6 + 36$	220	$1 10.6 + 36$	38	6.5
$1 3.1 + 36.9 + 36$	201	$1 3.0 + 36$		
$1 40.1 + 37.2 + 37$	372	$1 40.1 + 37$	14	6.0
$1 35.9 + 36.9 + 36$		$1 + 36$		
$0 59.2 + 37.2 + 37$		$0 + 37$		
$1 34.1 + 37.8 + 37$	119	$1 34.2 + 37$	47	9.5
$1 23.9 + 37.5 + 37$				

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Plate 3266

V-46 Col. Perm. Kline Int.

9.7 9.0 \bar{F} 4004	$K=H$	1
9.2 12.4 \bar{a}	N	2
10.9 9.0 H	N	1
10.6 12.6 \bar{a}	N	2
10.5 17.8 \bar{a}	N	2
10.2 21.5 H	N	1
11.7 7.4 \bar{F} 4005	$K=H$	1
11.5 17.2 H	N	1
11.7 22.7 \bar{F} 4006	$K=H$	2
12.5 8.2 H	N	1
12.8 9.0 \bar{a}	N	4
13.0 9.2 \bar{H}	$K=H$	2
12.2 13.9 \bar{a}	N	2
13.9 9.6 \bar{a}	N	2
13.7 10.9 \bar{H}	$K=H$	2
13.4 11.7 \bar{F} 4006	$K=H$	2
13.7 14.0 \bar{a}	$K=H$	3
13.9 19.2 H	N	1
13.4 19.7 \bar{F} 4007	$K=H$	1
13.5 20.4 \bar{a}	$K=H$	2
14.9 9.4 H	$K=H$	2
14.3 10.5 \bar{F} 4008	$K=H$	4
14.3 14.8 \bar{F} 4009	$K=H$	1
14.9 19.3 H	$K=H$	1
14.7 21.3 \bar{a}	N	2
14.2 21.5 \bar{F} 4010	$K=H$	2
14.4 23.2 \bar{a}	$K=0.2H$	3
16.0 13.3 \bar{F} 4011	$K=H$	2

1855	B.D. No.	R.A.	Dec.	Magn.
1	31.6 + 38.2 + 38	316	1	31.6 + 38 13 7.5
1	23.1 + 38.0 + 38	278	1	23.1 + 38 1 6.6
1	31.7 + 38.9 + 38	317	1	31.8 + 38 51 6.9
1	22.7 + 38.7 + 38	275	1	22.7 + 38 45 7.3
1	9.1 + 38.7 + 38	229	1	9.0 + 38 42 6.8
0	59.8 + 38.4 + 38	194	0	59.8 + 38 29 7.9
1	35.9 + 39.2 + 39	393	1	36.0 + 39 14 8.0
1	10.6 + 39.2 + 39	301	1	10.6 + 39 11 7.2
0	56.4 + 39.2 + 39	249	0	56.5 + 39 12 6.5
1	34.1 + 39.6 + 39	384	1	34.1 + 39 39 7.0
1	32.1 + 39.8 + 39	378	1	32.0 + 39 51 5.4
1	31.6 + 39.9 + 39	376	1	31.6 + 39 56 6.7
1	19.4 + 39.6 + 39	334	1	19.4 + 39 34 6.5
1	30.6 + 40.4 + 40	341	1	30.6 + 40 27 7.3
1	27.4 + 40.3 + 40	328	1	27.4 + 40 20 6.8
1	25.1 + 40.1 + 40	315	1	25.1 + 40 8 7.0
1	19.1 + 40.3 + 40	289	1	19.0 + 40 20.9 6.0
1	5.4 + 40.4 + 40	250	1	5.3 + 40 24 7.3
1	4.0 + 40.1 + 40	243	1	4.0 + 40 5 9.2
1	2.1 + 40.1 + 40	233	1	2.1 + 40 8 9.1
1	31.4 + 40.9 + 40	344	1	31.4 + 40 56 7.0
1	28.2 + 40.6 + 40			+40
1	17.1 + 40.6 + 40	282	1	17.1 + 40 36 7.5
1	4.9 + 40.9 + 40	248	1	4.8 + 40 54 7.0
0	59.5 + 40.7 + 40			
0	57.0 + 40.4 + 40			+40
0	54.6 + 40.5 + 40	209	0	54.8 + 40 33 6.0
1	21.0 + 41.5 + 41	288	1	20.9 + 41 32 7.5

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Or H₆ Cl. ^{no} Kline Int.16.0 13.6 \bar{F} 4012 $K=H$ 215.4 16.7 \bar{F} 4013 $K=H$ 215.7 20.3 \bar{F} 4014 $K=H$ 316.8 8.8 \bar{F} 4015 $K=H$ 316.1 14.5 \bar{A} $K=H$ 217.9 6.7 \bar{A} K 118.0 9.3 \bar{A} $K=H$ 417.7 15.1 \bar{A} K 317.9 16.3 H K 118.0 17.2 H K 117.3 18.0 \bar{F} 4016 $K=H$ 217.5 21.2 H K 117.4 21.1 \bar{A} K 218.9 8.8 \bar{A} K 218.7 12.8 \bar{F} 4017 $K=H$ 118.8 14.4 \bar{F} 4018 $K=H$ 218.3 14.5 \bar{F} 4019 $K=1.2H$ 318.6 15.9 B 4020 K 318.4 16.6 H K 118.7 21.3 \bar{F} 4021 $K=H$ 218.3 22.2 \bar{F} 4022 $K=H$ 119.5 13.8 \bar{A} K 319.7 17.6 \bar{F} 4023 $K=H$ 119.8 19.0 H K 119.4 21.0 \bar{A} $K=0.2H$ 420.3 9.8 \bar{A} $K=1.5H$ 321.0 14.7 H K 120.7 17.5 H K 1 $H = 20.2$? $H = 20.1$?

1855	B.D. No.	R.A.	Dec.	Magn.
h^m 1 20.1 + 41.5 + 41	283	h^m 1 20.1 + 41	30	7.0
1 11.6 + 41.3 + 41	252	1 11.8 + 41	13	7.0
1 2.1 + 41.3 + 41	219	1 2.1 + 41	18	6.2
1 33.0 + 41.9 + 41	328	1 33.0 + 41	53	5.3
1 17.8 + 41.5 + 41	273	1 17.8 + 41	32.9	7.3
1 38.6 + 42.3 + 42	373	1 38.7 + 42	26.5	7.5
1 32.0 + 42.6 + 42	345	1 32.0 + 42	34	6.0
1 15.9 + 42.4 + 42	293	1 15.9 + 42	23	6.5
1 12.6 + 42.4 + 42	284	1 12.7 + 42	28	7.5
1 10.1 + 42.5 + 42	275	1 10.2 + 42	32.8	7.5
1 8.1 + 42.2 + 42	271	1 8.2 + 42	11	7.0
1 2.5 + 42.2 + 42	249	1 2.5 + 42	10	7.7
0 59.9 + 42.1 + 42	240	0 59.9 + 42	4	7.0
1 33.4 + 42.9 + 42	352	1 33.4 + 42	54	7.5
1 22.6 + 42.9 + 42	313	1 22.6 + 42	52	8.0
1 18.2 + 42.9 + 42	305	1 18.2 + 42	56.9	6.9
1 17.9 + 42.7 + 42	302	1 17.8 + 42	41	6.0
1 13.9 + 42.8 + 42	288	1 13.8 + 42	50	6.5
1 11.8 + 42.7 + 42	281	1 11.9 + 42	45	6.5
0 59.2 + 42.7 + 42	239	0 59.1 + 42	45	7.5
0 56.8 + 42.5 + 42	232	0 56.8 + 42	30	8.0
1 19.6 + 43.3 + 43	302	1 19.7 + 43	18	6.5
1 9.1 + 43.3 + 43	260	1 9.1 + 43	16	8.5
1 5.1 + 43.7 + 43	251	1 5.2 + 43	24	7.8
0 59.6 + 43.2 + 43	234	0 59.7 + 43	10	5.2
1 30.7 + 43.6 + 43	343	1 30.7 + 43	37	5.0
1 17.1 + 44.0 + 44	302	1 17.2 + 44	1	7.7
1 9.1 + 43.8 + 43	262	1 9.3 + 43	51	6.9

Plate 3266

W. H. C. L. Penn. ^{no} Kline Int.

20.4 17.9 $^{\circ}\text{F}$ 4024 $\text{K}=\text{H}1$

21.3 13.8 A R1

22.0 15.5 Å $K=0.2H^2$

21.2 17.7 J $Y_K = H_2$

22.0 10.6 @ N1

24.2 20.9 Å N2

21.2 23.8 a 183

22.2 8.5 J $K=H 2$

22.3 10.2 Q N3

22.1 14.1 $\overset{\cdot}{F} 4035-K=H4$

22.8 14.3 a N_2

22.4 15.8 9 $K=H$ 3

22.119.3 H N 1

22.7 23.3 H 251

23.9 8.2 H 81

23.4 9.9 of 4026 K-H2

23.9 19.7 H N 1

24.2 7.1 Φ 4027 $K=143$

24.819.6 @ 182

25.413.3 9 K=H3

25.4 10.8 a N 1

25.6 11.6 a 18 2

23.217.6 H 181

26.0 16.3 @ π 1

26.0 19.4 H N1

25.9 20.5 Å N5

1855	B.D. No.				
1 8.1 + 43.6 + 43	258	1	8.1 + 43	40.8	7.5
1 19.8 + 44.2 + 44	310	1	19.8 + 44	10	8.5
1 14.9 + 44.5 + 44	290	1	14.8 + 44	34.5	7.5
1 8.6 + 44.1 + 44	271	1	8.7 + 44	9	6.4
1 0.6 + 44.4 + 44	247	1	0.6 + 44	26	7.5
0 59.6 + 44.0 + 44	240	0	59.9 + 44	2	7.6
0 51.7 + 43.9 + 43	193	0	51.9 + 43	55	6.2
1 34.5 + 44.6 + 44	354	1	34.5 + 44	34	6.8
1 29.7 + 44.6 + 44		1	+ 44		
1 19.0 + 44.6 + 44	307	1	19.0 + 44	39	5.0
1 18.1 + 44.9 + 44	304	1	18.3 + 44	56	8.3
1 13.7 + 44.7 + 44	287	1	13.8 + 44	45	5.2
1 4.1 + 44.5 + 44	261	1	4.2 + 44	32	6.5
0 53.1 + 44.6 + 44	215	0	53.1 + 44	39.7	7.2
1 35.6 + 45.4 + 45	432	1	35.6 + 45	25	6.8
1 30.9 + 45.1 + 45	403	1	30.7 + 45	6	8.8
1 2.7 + 45.4 + 45	291	1	2.8 + 45	25	6.9
1 38.9 + 45.5 + 45	447	1	38.9 + 45	30	6.9
1 2.9 + 45.8 + 45	292	1	2.9 + 45	51.6	7.0
1 21.5 + 46.3 + 46	370	1	21.4 + 46	16	5.8
1 28.5 + 46.2 + 46	404	1	28.5 + 46	13	7.7
1 27.2 + 46.4 + 46	393	1	27.3 + 46	22	7.0
1 9.5 + 46.6 + 46	319	1	9.6 + 46	39	6.7
1 13.1 + 46.5 + 46	334	1	13.4 + 46	31	7.7
1 4.5 + 46.4 + 46	289	1	4.5 + 46	25	7.7
1 1.1 + 46.4 + 46	275	1	1.1 + 46	28	4.4

P.A. 3 greater

Pa. 1^h 56 Dec. +41.6

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Plate 3160

to the Col. Permittance Int.

4.7 6.9 a	N 2
4.5 8.6 H 4028	N 1
5.0 11.9 a	N 1
5.0 12.1 a	N 1
4.9 12.5 a	K=H 1
4.5 13.2 a	N 1
4.6 18.5 J	K=H 3
4.7 18.6 J	K=H 2
4.4 19.0 J	K=H 2
4.8 19.7 J 4029	K=H 2
5.0 20.0 J 4030	K=H 2
4.2 23.2 a	N 2
5.7 13.7 a	K=0.2 H 4
5.4 16.8 J 4031	K=H 1
5.5 17.4 J 4032	K=H 1
5.4 17.9 J	K=H 2
6.0 21.4 J	K=H 3
5.6 23.2 a	N 2
6.9 6.6 a	K=H 1
6.8 7.9 a	N 2
7.0 8.9 H	N 1
6.5 20.2 a	N 1
6.8 20.7 J 4033	K=H 2
7.3 8.5 a	N 2
7.9 14.5 a	N 2
7.3 16.0 a	K=H 1
7.2 16.8 a	N 2
7.8 20.3 a	N 2

1855	B.D. No.	P.A.	DEC.	Magn.
2 16.5 + 36.5 + 36	478	2	16.4 + 36 28	7.2
2 12.2 + 36.4 + 36	464	2	12.2 + 36 24	7.2
2 4.0 + 36.7 + 36	435	2	4.0 + 36 41	8.4
2 3.5 + 36.7 + 36	433	2	3.6 + 36 42	8.2
2 2.8 + 36.6 + 36	427	2	2.7 + 36 41	7.8
2 1.0 + 36.4 + 36	420	2	0.9 + 36 26	7.7
1 47.6 + 36.5 + 36	355	1	47.6 + 36 32.6	5.8
1 47.4 + 36.6 + 36	354	1	47.4 + 36 34	5.8
1 46.4 + 36.4 + 36	346	1	46.4 + 36 24	6.4
1 44.6 + 36.6 + 36	338	1	44.7 + 36 36	7.2
1 43.7 + 36.7 + 36	332	1	43.9 + 36 43	6.8
1 36.3 + 36.2 + 36	306	1	36.2 + 36 13	6.8
1 59.8 + 37.2 + 37	486	1	59.8 + 37 11	5.0
1 51.6 + 36.9 + 36	384	1	51.6 + 36 56	8.0
1 50.2 + 36.9 + 36	1		+ 36	
1 49.1 + 36.9 + 36	1		+ 36	
1 40.1 + 37.2 + 37	372	1	40.1 + 37 14	6.0
1 35.9 + 36.9 + 36	305	1	35.9 + 36 56	6.5
2 17.6 + 37.6 + 37	555	2	17.5 + 37 36	8.0
2 14.4 + 37.6 + 37	544	2	14.4 + 37 36	7.0
2 11.7 + 37.7 + 37	533	2	11.8 + 37 42	7.0
1 43.1 + 37.4 + 37	389	1	43.2 + 37 27.8	8.4
1 42.0 + 37.6 + 37	382	1	42.0 + 37 35	7.0
2 13.0 + 37.8 + 37	536	2	12.9 + 37 51	7.3
1 57.7 + 38.2 + 38	408	1	57.7 + 38 12	8.2
1 53.6 + 37.9 + 37	464	1	53.6 + 37 55	8.6
1 51.5 + 37.9 + 37	452	1	51.7 + 37 54	7.4
1 42.6 + 38.1 + 38	365	1	42.7 + 38 7	7.3

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Plate 3160

Or He Cl. ^{mm} Rinn. Kline Int.7.7 22.1 \overline{F} 4034 $K=H$ 27.3 23.2 H N 17.3 23.8 H N 18.1 6.0 \overline{F} 4035 $K=H$ 29.0 7.6 A $K=H$ 28.4 11.1 \overline{F} 4036 $K=H$ 28.1 12.8 A N 48.9 12.8 A N 18.7 13.6 A N 28.9 15.1 \overline{F} 4036 $K=H$ 19.9 7.7 \overline{F} 4037 $K=H$ 29.1 9.4 H N 19.8 9.5 A N 39.5 14.8 A $K=H$ 29.2 16.7 \overline{F} 4038 $K=H$ 29.9 16.8 H N 19.1 16.8 \overline{F} 4039 $K=H$ 19.9 19.0 \overline{F} 4040 $K=H$ 29.8 19.4 \overline{F} 4040 $K=H$ 210.4 7.8 H N 110.6 9.9 \overline{F} 4041 $K=H$ 310.0 12.0 \overline{F} 4042 $K=H$ 210.6 12.2 H N 111.0 13.3 \overline{F} 4043 $K=H$ 110.4 19.5 \overline{F} 4044 $K=H$ 210.9 20.4 A N 110.4 21.6 \overline{F} 4045 $K=H$ 110.1 22.9 \overline{F} 4046 $K=H$ 2

1855	B.D. No.	R.A.	Dec.	Magn.
1 ^h 38.2 + 38.1 + 38 ^o	1	+38		
1 35.6 + 37.8 + 37	356	1	35.7 + 37 47	7.8
1 34.1 + 37.8 + 37	357	1	34.2 + 37 47	8.1
2 19.2 + 38.2 + 38	484	2	19.2 + 38 11	7.2
2 15.1 + 38.6 + 38	2			
2 6.5 + 38.5 + 38	442	2	6.5 + 38 28	8.0
2 2.1 + 38.3 + 38	425	2	2.1 + 38 20.7	6.1
2 2.0 + 38.7 + 38	2			
2 0.1 + 38.6 + 38	417	2	0.2 + 38 34	9.1
1 56.1 + 38.7 + 38	402	1	56.0 + 38 44.6	8.0
2 15.2 + 39.2 + 39			+39	
2 10.7 + 38.8 + 38	457	2	10.7 + 38 49	8.4
2 10.6 + 39.2 + 38	521	2	10.7 + 39 10	6.8
1 57.1 + 39.1 + 39	464	1	57.1 + 39 4	7.8
1 52.1 + 38.9 + 38	391	1	52.1 + 38 54	9.0
1 51.6 + 39.2 + 39			+39	
1 51.6 + 38.8 + 38	389	1	51.7 + 38 50	8.2
1 46.0 + 39.2 + 39	433	1	46.1 + 39 14	7.0
1 45.0 + 39.1 + 39	427	1	45.0 + 39 9.9	7.8
2 15.1 + 39.4 + 39	537	2	15.2 + 39 26	8.0
2 9.7 + 39.6 + 39	577	2	9.8 + 39 36	6.5
2 4.1 + 39.9 + 39			+39	
2 3.9 + 39.6 + 39	495	2	3.8 + 39 34	8.0
2 1.1 + 39.8 + 39	484	2	1.1 + 39 50	8.4
1 44.5 + 39.4 + 39	424	1	44.6 + 39 27	8.0
1 42.1 + 39.6 + 39	1		+39	
1 39.2 + 39.4 + 39	402	1	39.1 + 39 24	9.3
1 35.9 + 39.2 + 39	393	1	36.0 + 39 14	8.0

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Plate 3160

& Hb. Bl. ^{mm} R. Kline Int.10.9 23.6 D $K=H$ 212.0 7.1 A N 212.0 7.2 ⁶F 4047 $K=H$ 111.1 9.1 A N 111.2 10.2 H N 111.7 10.3 ⁶F 4048 $K=H$ 111.6 11.9 A $K=0.5H$ 311.4 12.1 B $K=H$ 211.2 14.1 ⁵F 4049 $K=H$ 111.1 17.1 H N 111.5 17.7 ⁶F 4050 $K=H$ 311.5 18.0 A N 111.9 17.7 A N 111.3 18.9 D $K=H$ 311.4 19.5 K $K=H$ 411.3 19.9 A $K=0.5H$ 212.3 6.6 A N 212.9 8.4 A $K=0.8H$ 412.7 10.1 A N 212.9 12.3 A N 212.9 14.8 A $K=H$ 312.3 16.5 D $K=H$ 212.7 16.7 H N 112.6 17.0 ⁶F 4051 $K=H$ 112.7 17.7 ⁶F 4051 $K=H$ 113.3 6.9 A N 213.9 11.5 H N 113.9 13.4 A N 2

1855	B.D. No.	R.A.	Dec.	Magn
1 ^h 34.1 + 39.6 + 39	384	1 ^h 34.1 + 39	39	7.0
2 17.2 + 40.2 + 40	574	2 17.1 + 40	14	8.2
2 17.0 + 40.2 + 40	513	2 17.0 + 40	14	8.3
2 11.6 + 39.8 + 39	526	2 11.7 + 39	49	8.5
2 9.1 + 39.9 + 39	514	2 9.0 + 39	52	7.8
2 8.7 + 40.1 + 40	473	2 8.7 + 40	8	8.4
2 4.6 + 40.1 + 40	462	2 4.6 + 40	6	7.3
2 4.1 + 40.0 + 39	496	2 4.1 + 39	59	7.2
1 57.9 + 39.9 + 39	468	1 57.8 + 39	54	8.5
1 50.9 + 39.8 + 39	448	1 50.9 + 39	51	8.0
1 49.2 + 40.2 + 40	409	1 49.2 + 40	15	8.4
1 48.5 + 40.1 + 40	406	1 48.5 + 40	3.4	8.5
1 49.2 + 40.1 + 40	410	1 49.2 + 40	7	9.0
1 46.1 + 39.9 + 39	431	1 45.9 + 39	56	7.3
1 44.6 + 40.1 + 40	394	1 44.6 + 40	1.7	6.0
1 43.5 + 39.9 + 39	420	1 43.7 + 39	55	8.2
2 18.5 + 40.4 + 40	521	2 18.4 + 40	24	7.7
2 13.9 + 40.7 + 40	500	2 13.8 + 40	44	6.3
2 9.4 + 40.6 + 40	476	2 9.3 + 40	39	8.0
2 3.6 + 40.8 + 40	458	2 3.6 + 40	47	8.0
1 57.2 + 40.8 + 40	433	1 57.2 + 40	46	9.0
1 52.4 + 40.5 + 40	423	1 52.4 + 40	31	7.0
1 52.0 + 40.6 + 40	421	1 52.0 + 40	40	7.6
1 51.0 + 40.6 + 40	415	1 51.0 + 40	39	7.0
1 49.4 + 40.6 + 40	411	1 49.3 + 40	41	7.3
2 18.2 + 40.9 + 40	577	2 18.3 + 40	52	8.2
2 5.7 + 41.2 + 41			+ 41	
2 0.7 + 41.3 + 41			+ 41	

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Plate 3160

H β tel. Perm. H line Int.

13.8 13.6 A	N 3
13.3 17.7 A	N 3
13.5 18.0 A	N 2
13.7 18.2 A	N 3
13.7 19.6 A	N 1
18.2 22.0 H	N 1
13.4 23.4 H	N 1
14.0 20.9 $\frac{F}{H}$ 4052 $K=H$ 1	
14.4 8.1 J	$K=H$ 2
14.8 10.5 A	$K=H$ 1
14.9 11.2 H	N 1
14.3 12.5 H	N 1
14.3 13.8 $\frac{F}{H}$ 4053 $K=H$ 2	
14.4 15.5 A	$K=0.3H$ 5
14.6 16.7 A	N 1
14.5 21.7 $\frac{F}{H}$ 4054 $K=H$ 1	
15.9 9.3 A	N 3
15.8 10.4 J	$K=H$ 2
15.2 10.5 $\frac{F}{H}$ 4055 $K=H$ 2	
15.4 11.1 A	N 3
15.2 12.8 A	$K=H$ 2
15.6 13.5 $\frac{F}{H}$ 4056 $K=H$ 3	
16.0 13.8 $\frac{F}{H}$ 4057 $K=H$ 1	
15.4 14.4 A	$K=H$ 1
15.1 15.3 A	N 1
15.9 15.4 A	N 1
15.6 16.0 A	$K=H$ 2
15.7 15.2 A	$K=H$ 1

1855	B.D. No.	R.A.	Dec.	Design
2 ^h 0.1 ^m + 41.3 ^s + 41	411	2	0.2 + 41	16. 7.5
1 49.2 + 40.9 + 40	407	1	49.2 + 40	59 6.9
1 48.4 + 41.1 + 41	377	1	48.5 + 41	4 8.0
1 47.7 + 41.2 + 41	374	1	47.8 + 41	11 7.0
1 44.0 + 41.1 + 41	362	1	44.0 + 41	8 8.0
1 38.0 + 40.8 + 40	364	1	38.0 + 40	50 7.8
1 34.1 + 40.8 + 40	352	1	34.2 + 40	53 8.2
1 40.5 + 41.3 + 41	353	1	40.5 + 41	16 8.4
2 15.0 + 41.4 + 41	453	2	15.0 + 41	26 6.9
2 8.4 + 41.7 + 41	433	2	8.4 + 41	43 8.4
2 6.7 + 41.8 + 41	430	2	6.8 + 41	46 8.0
2 3.2 + 41.4 + 41	422	2	3.2 + 41	27 8.0
1 59.6 + 41.5 + 41	408	1	59.7 + 41	29 8.0
1 55.1 + 41.6 + 41	395	1	55.0 + 41	38 2.0
1 51.6 + 41.6 + 41	387	1	51.7 + 41	37 8.9
1 38.5 + 41.5 + 41	342	1	38.5 + 41	28 8.7
2 12.0 + 42.3 + 42	502	2	12.0 + 42	17 6.5
2 9.0 + 42.2 + 42	489	2	8.9 + 42	14 6.7
2 8.7 + 41.9 + 41	435	2	8.7 + 41	55 7.9
2 7.1 + 42.0 + 42	480	2	7.0 + 42	2 7.5
2 2.5 + 41.9 + 41	418	2	2.5 + 41	58 8.3
1 59.7 + 42.3 + 42	451	1	59.8 + 42	21 8.0
1 59.4 + 42.5 + 42	449	1	59.5 + 42	31 7.5
1 57.6 + 42.0 + 42	442	1	57.7 + 42	0 8.8
1 55.2 + 41.8 + 41	1		+ 41	
1 55.2 + 42.3 + 42	436	1	55.1 + 42	16 8.9
1 53.6 + 42.1 + 42	430	1	53.5 + 42	9 7.7
1 47.5 + 42.1 + 42	401	1	47.5 + 42	9 8.8

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Plate 3160

V 26 Lib. ^{N₀} Gemini, Kilmie Int.16.0 18.4 $\dot{+}$ N 215.6 18.5 \dot{F} 4058 K=H 315.3 23.7 \dot{F} 4059 K=H 4

16.2 8.5 a N 2

17.0 8.6 a N 2

16.1 10.9 a N 1

16.4 13.3 a K=H 1

16.3 13.9 \dot{F} 4060 K=H 2

16.2 14.2 a N 2

16.1 14.5 a N 1

16.7 19.3 a K=0.5H 2

16.9 20.0 a N 1

17.0 20.1 $\dot{+}$ N 1

16.2 21.5 a N 3

17.0 22.2 $\dot{+}$ N 1

16.8 24.0 a K=H 4

17.7 5.9 \dot{F} 4061 K=H 1

17.1 8.7 a K=0.5H 2

17.2 9.0 a N 2

17.7 9.1 a K=H 2

17.5 10.9 \dot{F} 4062 K=H 2

17.4 11.4 a N 1

17.6 12.3 \dot{F} 4063 K=H 2

17.2 14.3 a N 2

17.2 16.4 a N 1

17.3 17.1 a N 1

17.1 17.5 a N 3

18.0 16.8 $\dot{+}$ K=H 2

1855	B.D. No.	R.A.	Dec.	Magn.
1 ^h 47.2 + 42.4 + 42	399	1 ^h 47.2 + 42	21	7.5
1 46.9 + 42.1 + 42	397	1 45.9 + 42	7	7.4
1 33.0 + 41.9 + 41	328	1 33.0 + 41	53	5.3
2 14.0 + 42.3 + 42	509	2 14.1 + 42	21	8.1
2 13.6 + 42.7 + 42	508	2 13.9 + 42	40	9.4
2 7.5 + 42.3 + 42	482	2 7.4 + 42	23	8.3
2 1.2 + 42.5 + 42	457	2 1.1 + 42	30	8.7
1 59.5 + 42.5 + 42	449	1 59.5 + 42	31	7.5
1 59.0 + 42.4 + 42	448	1 59.0 + 42	28	7.8
1 57.7 + 42.4 + 42	444	1 57.8 + 42	23	8.6
1 44.6 + 42.7 + 42	392	1 44.5 + 42	40	8.0
1 42.6 + 42.7 + 42	389	1 42.6 + 42	45	8.0
1 42.4 + 42.8 + 42	388	1 42.3 + 42	48	7.8
1 38.6 + 42.3 + 42	373	1 38.7 + 42	21	7.5
1 36.6 + 42.7 + 42	364	1 36.7 + 42	43	8.4
1 32.0 + 42.5 + 42	345	1 32.0 + 42	34	6.0
2 21.4 + 43.0 + 43	507	2 21.4 + 43	2	7.8
2 13.6 + 42.8 + 42	507	2 13.8 + 42	46	8.0
2 13.0 + 42.9 + 42	505	2 13.0 + 42	55	8.2
2 12.6 + 43.2 + 43	475	2 12.6 + 43	9	7.8
2 7.6 + 43.1 + 43	459	2 7.7 + 43	6	7.7
2 6.2 + 43.0 + 43	454	2 6.2 + 43	2	9.0
2 3.9 + 43.1 + 43	446	2 3.9 + 43	10	8.3
1 58.4 + 42.9 + 42	445	1 58.4 + 42	56	8.1
1 52.4 + 42.9 + 42	424	1 52.5 + 42	56.7	8.5
1 50.7 + 42.9 + 42	419	1 50.6 + 42	59	8.9
1 49.6 + 42.9 + 42	409	1 49.5 + 42	54	8.0
1 51.5 + 43.4 + 43	407	1 51.4 + 43	23	7.3

? Is 46.9 correct?

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Plate 3160

V-16 Col. ^{Mr.} Rini. Kline Int.

17.5 21.8 A N 3

17.5 22.3 F 4064 K=H 2

17.5 23.4 A N 3

18.8 8.5 H N 1

18.6 9.0 A N 2

18.3 12.3 K K=H 4

18.8 13.9 B 2 D K=H 3

18.6 14.2 H N 1

18.2 15.0 A N 1

18.7 16.8 J K=H 2

18.8 16.9 A N 1

19.0 17.7 A N 2

18.3 18.0 F 4065 K=H 2

18.6 20.4 A N 2

H=9.2? 19.2 19.2 A N 3

19.2 10.9 A N 1

19.2 13.5 F 4066 K=H 1

19.4 14.4 H N 1

19.4 17.2 A N 2

19.5 19.5 A N 3

Lockeupson plate

20.0 19.8 H N 1

19.4 21.8 A N 2

19.1 24.3 K K=H 4

20.5 6.1 H N 1

20.4 10.5 H N 1

20.1 15.0 A K=H 1

20.7 17.3 J K=H 2

20.2 17.4 H N 1

1855	B.D. No.	R.A.	Dec.	Magn.
1 37.7 + 42.9 + 42	370	1 37.6 + 42	59	7.5
1 36.2 + 42.9 + 42	362	1 36.4 + 42	58.7	7.7
1 33.5 + 42.9 + 42	352	1 33.4 + 42	57	7.5
2 14.2 + 43.7 + 43	482	2 14.2 + 43	42	8.2
2 13.0 + 43.6 + 43	478	2 12.9 + 43	36	8.0
2 4.1 + 43.5 + 43	447	2 4.2 + 43	33	5.2
1 59.6 + 43.7 + 43	432	1 59.6 + 43	44	9.2
1 59.0 + 43.6 + 43	429	1 58.8 + 43	40	8.0
1 56.2 + 43.5 + 43	420	1 56.3 + 43	32	8.6
1 51.5 + 43.6 + 43	1	51 + 43		
1 51.4 + 43.7 + 43	406	1 51.3 + 43	43	7.0
1 48.7 + 43.8 + 43	401	1 48.8 + 43	51	8.0
1 48.0 + 43.5 + 43	396	1 48.0 + 43	29	8.5
1 41.4 + 43.5 + 43	377	1 41.3 + 43	34	8.0
2 12.4 + 43.9 + 43	474	2 12.4 + 43	56	6.5
2 7.9 + 43.9 + 43	460	2 7.8 + 43	54	9.0
2 0.6 + 43.9 + 43	434	2 0.5 + 43	59	8.1
1 58.1 + 44.1 + 44	425	1 58.1 + 44	4	8.4
1 50.4 + 44.1 + 44	399	1 50.3 + 44	1	8.2
1 43.7 + 44.1 + 44	384	1 43.7 + 44	5	7.5
1 37.7 + 43.9 + 43	364	1 37.5 + 43	55	8.5
1 30.7 + 43.9 + 43	342	1 30.6 + 43	49	9.4
2 21.5 + 44.4 + 44	515	2 21.4 + 44	24	8.0
2 9.0 + 44.5 + 44	456	2 9.0 + 44	32	8.3
1 56.2 + 44.4 + 44	418	1 56.3 + 44	24	9.0
1 49.9 + 44.7 + 44	395	1 49.8 + 44	42	8.0
1 49.7 + 44.4 + 44	397	1 49.6 + 44	23	8.0

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Plate 3160

V 76 61. ^{nr} Perm. Koline Int.

20.8 17.5 Q K=H 2

20.5 20.4 Q R 2

20.1 20.7 F 4067 K=H 1

20.7 22.5 Q K=H 3

20.3 23.4 Q R 2

20.2 23.7 H R 1

20.4 8.1 Q K=H 2

21.1 8.9 Q R 1

21.3 10.4 Q K=H 1

21.6 10.9 Q R 3

21.4 12.1 Q R 2

21.7 13.2 H R 1

21.6 13.7 F 4068 K=H 2

21.5 15.7 Q K=H 2

21.1 17.6 Q K=H 1

21.9 18.1 F 4069 K=H 2

21.6 19.8 Q R 1

H=6.4? 22.3 16.4 Q K=H 2

22.4 8.8 Q R 2

22.9 9.5 H R 1

22.9 10.2 Q K=0.3 H 3

22.6 15.8 H R 1

22.2 18.4 Q K=H 1

22.6 19.7 Q R 2

22.4 21.1 F 4070 K=H 3

22.3 22.3 Q K=H 2

23.1 6.1 Q R 2

23.3 11.8 Q R 3

1855.	B.D. No.	R.A.	Dec.	Magn.
1 ^h 49.2 + 44.7 + 44	394	1 ^h 49.2 + 44	44	9.1
1 41.0 + 44.5 + 44	377	1 41.0 + 44	32	8.0
1 40.2 + 44.3 + 44	374	1 40.3 + 44	20	8.6
1 34.6 + 44.6 + 44	354	1 34.5 + 44	34	6.8
1 33.0 + 44.3 + 44	350	1 33.0 + 44	19	8.6
1 32.1 + 44.3 + 44	347	1 32.1 + 44	16	8.5
2 15.7 + 44.9 + 44	484	2 15.8 + 44	56	9.4
2 13.5 + 44.8 + 44	472	2 13.4 + 44	46	9.4
2 9.5 + 44.9 + 44	458	2 9.5 + 44	57.6	8.7
2 7.9 + 45.1 + 45	583	2 7.9 + 45	10	7.7
2 4.5 + 45.1 + 45	570	2 4.5 + 45	2	8.6
2 1.5 + 45.2 + 45	557	2 1.5 + 45	14	8.2
2 0.1 + 45.1 + 45	554	2 0.1 + 45	9	7.4
1 54.1 + 45.1 + 45	523	1 54.1 + 45	5	8.3
1 49.0 + 44.9 + 44	392	1 49.0 + 44	53	8.3
1 47.5 + 45.3 + 45	484	1 47.5 + 45	16	8.0
1 43.0 + 45.1 + 45	1	1	+45	
2 20.3 + 45.4 + 45	614	2 20.4 + 45	22	6.5
2 14.0 + 45.4 + 45	605	2 14.0 + 45	30	7.8
2 12.1 + 45.7 + 45	600	2 12.2 + 45	45	7.8
2 10.0 + 45.8 + 45	589	2 9.9 + 45	48	6.3
1 54.1 + 45.6 + 45	521	1 54.0 + 45	39	7.8
1 46.5 + 45.4 + 45	480	1 46.5 + 45	25	8.4
1 42.7 + 45.6 + 45	1			
1 39.0 + 45.5 + 45	447	1 38.9 + 45	30	6.9
1 35.6 + 45.4 + 45	432	1 35.6 + 45	25	6.8
2 22.0 + 45.7 + 45	619	2 21.8 + 45	45	7.3
2 5.5 + 46.0 + 46	539	2 5.5 + 46	1	7.0

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Plate 3160

V-Hb Cl. ^{Nov} Penn. Kline Int.

23.6 16.1 a 18 3

24.0 17.5 S 7K=H 2

24.4 13.0 a 18 2

24.4 14.5 a 15 2

24.1 19.7 H 15 1

RA. ^{h m} 2 40 Dec. +41.5

Plate 2193

4.27.6 F 4071 7K=H 1

4.5 8.4 a 18 2

4.2 12.7 F 4072 7K=H 1

4.5 14.5 F 4073 7K=H 3

4.9 17.5 a 7K=H 2

5.2 15.0 F 4074 7K=H 3

6.0 15.8 a 15 1

5.9 19.3 F 4075 7K=H 3

5.2 20.4 S 7K=H 3

5.3 21.5 F 4076 7K=H 1

5.6 22.0 F 4077 7K=H 1

5.3 23.0 a 18 3

6.9 9.2 a 18 3

6.9 10.5 B 4078 18 3

6.4 11.0 F 4079 7K=H 1

7.0 14.6 F 4080 7K=H 5

6.1 15.7 H 15 1

6.7 16.5 a 15 1

6.6 19.2 a 15 4

8.0 22.8 a 7K=H 2

1855	B.D.	No.	P.A.	Dec.	Mag ⁿ
1 ^h 53.2 + 46.1 + 46	498	1	53.3 + 46	9	7.3
1 49.0 + 46.4 + 46	485	1	48.9 + 46	23	6.8
2 2.2 + 46.5 + 46	532	2	2.3 + 46	33	8.0
1 57.7 + 46.5 + 46	575	1	57.8 + 46	32	8.2
1 42.6 + 46.3 + 46	464	1	42.7 + 46	21	7.5

1855	B.D.	No.	P.A.	Dec.	Mag ⁿ
2 ^h 58.5 + 36.1 + 36	632	2	58.5 + 36	4	7.0
2 56.5 + 36.2 + 36	628	2	56.5 + 36	13	6.5
2 46.0 + 36.1 + 36	596	2	46.0 + 36	8	8.3
2 41.6 + 36.3 + 36	569	2	41.6 + 36	21	6.5
2 34.0 + 36.5 + 36	541	2	33.9 + 36	34	7.8
2 40.5 + 36.7 + 36	566	2	40.5 + 36	42	6.5
2 38.1 + 37.1 + 37	631	2	38.1 + 37	5	9.2
2 29.4 + 37.1 + 37	588	2	29.4 + 37	7	6.5
2 26.7 + 36.7 + 36	519	2	26.7 + 36	41	6.0
2 24.1 + 36.7 + 36	512	2	24.0 + 36	41	7.2
2 22.5 + 36.8 + 36	506	2	22.6 + 36	49	7.5
2 20.1 + 36.7 + 36	500	2	20.3 + 36	42	
2 55.0 + 37.5 + 37	696	2	55.0 + 37	32	7.0
2 51.0 + 37.5 + 37	675	2	51.0 + 37	34	7.0
2 50.4 + 37.3 + 37	673	2	50.4 + 37	18	8.1
2 41.5 + 37.7 + 37	646	2	41.4 + 37	43	4.8
2 38.5 + 37.2 + 37	634	2	38.4 + 37	12	7.0
2 36.3 + 37.5 + 37	619	2	36.3 + 37	28	7.5
2 29.6 + 37.5 + 37	591	2	29.5 + 37	28	6.5
2 20.5 + 37.5 + 37	562	2	20.5 + 37	29	9.2

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Plate 2193

V Hb Cl. Rem Kline Int.

7.6 6.8 a N 2

7.5 9.5 a N 3

7.8 11.7 S K=H 3

7.2 13.3 \overline{F} 4081 K=H 37.9 19.8 \overline{F} 4082 K=H 3

7.9 20.9 S K=H 2

8.3 8.9 \overline{Dna} K=1.5H 4

8.4 10.2 a K=0.3H 3

8.2 11.4 \overline{F} 4083 K=H 1

8.8 11.7 a N 1

8.7 12.1 a N 1

8.7 19.0 a N 2

8.3 19.4 a N 2

8.5 22.4 a N 2

8.8 22.5 $\overline{G_2}$ S K=H 2

8.3 23.2 a K=H 2

10.0 6.6 K K=1.5H 4

9.0 8.0 \overline{F} 4084 K=H 1

9.8 11.5 a K=0.2H 4

9.2 17.3 a N 1

9.4 20.3 a N 3

9.6 21.4 a N 2

10.9 8.1 a N 1

10.3 15.7 \overline{F} 4185 K=H 1

10.9 17.6 a N 2

10.7 17.7 \overline{F} 4086 K=H 4

10.2 19.6 a N 3

10.9 20.0 a N 2

1855 B.D. No. R.A. Dec. Magn.

3 ^h	1.0 + 37.8 + 37	715	3	0.9 + 37	48	8.0
2	54.2 + 37.8 + 37	692	2	54.3 + 37	50	7.0
2	49.0 + 38.1 + 38	599	2	48.9 + 38	1.7	6.8
2	44.5 + 37.7 + 37	653	2	44.6 + 37	45	6.0
2	27.9 + 38.1 + 38	515	2	27.9 + 38	6	6.2
2	25.2 + 38.1 + 38	506	2	25.2 + 38	6	7.0
2	55.9 + 38.3 + 38	630	2	55.9 + 38	17	var.
2	52.9 + 38.3 + 38	617	2	52.7 + 38	20	6.8
2	49.5 + 38.2 + 38	601	2	49.5 + 38	12	8.4
2	48.9 + 38.5 + 38	598	2	48.7 + 38	28	8.0
2	47.9 + 38.5 + 38	594	2	47.9 + 38	29	8.0
2	29.9 + 38.5 + 38	527	2	29.8 + 38	31	7.8
2	29.0 + 38.3 + 38	523	2	28.9 + 38	19	7.8
2	21.2 + 38.3 + 38	493	2	21.2 + 38	18	7.5
2	21.0 + 38.5 + 38	491	2	21.0 + 38	30	7.0
2	19.2 + 38.2 + 38	484	2	19.2 + 38	11	7.2
3	1.9 + 39.1 + 39	724	3	2.0 + 39	4	8.2
2	58.1 + 38.5 + 38	640	2	58.3 + 38	31	8.1 ?
2	49.5 + 39.1 + 39	681	2	49.5 + 39	4	8.1
2	34.1 + 38.7 + 38	544	2	34.2 + 38	45	8.0
2	26.5 + 39.0 + 39	573	2	26.4 + 39	3	7.0
2	23.7 + 38.9 + 38	502	2	23.7 + 38	54	7.5
2	58.2 + 39.5 + 39	713	2	58.3 + 39	31	8.2
2	38.2 + 39.3 + 39	634	2	38.2 + 39	17	8.2
2	33.5 + 39.6 + 39	612	2	33.4 + 39	38	8.0
2	33.2 + 39.5 + 39	610	2	33.1 + 39	34	7.9
2	28.2 + 39.3 + 39	582	2	28.3 + 39	15	6.8
2	27.2 + 39.5 + 39	577	2	27.3 + 39	34	7.7

* Another 3

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Plate 2193

574 Bl. Perm. Kline Int.

10.3 20.6 a N 1

11.0 20.8 a N 1

10.7 21.5 a N 2

11.0 21.5 a N 3

10.4 21.8 H K=H 1

H. = 22.2? 10.8 27.2 H K=H 1

11.2 5.6 a N 3

where is it? 11.8 9.3 8.9 X=H 3

11.2 9.3 8 X=H 2

11.3 10.4 a N 1

11.4 10.7 a. K=H 1

11.4 15.0 a N 2

11.7 16.0 F 4087 K=H 1

where is it? 11.6 16.3 a N 2

11.9 20.2 a N 1

11.6 20.4 a N 2

12.5 8.0 a N 5-

V = 12.7? 11.7 7.8 a N 2

11.9 9.1 a N 2

12.3 10.5 F 4088 K=H 1

12.1 10.7 H K=H 2

12.6 11.2 K K=H 3

12.1 14.8 a K=H 1

12.2 16.3 a N 2

12.7 19.8 a N 1

12.7 23.3 a N 2

12.4 23.8 a N 2

13.8 6.4 F 4189 K=H 2

1855

B.D. No. R.A. Dec. Magn.

2	25.6 + 39.2 + 39	567	2	25.6 + 39	14	9.3
2	25.3 + 39.6 + 39	566	2	25.2 + 39	39	8.3
2	23.2 + 39.4 + 39	559	2	23.4 + 39	25	7.3
2	23.2 + 39.6 + 39	560	2	23.4 + 39	37	6.8
2	22.7 + 39.3 + 39	557	2	22.8 + 39	18	7.7
2	21.5 + 39.5 + 39	554	2	21.6 + 39	31	6.8
3	4.9 + 39.5 + 39			+39		
2	55.1 + 39.7 + 39	699	2	55.1 + 39	43	6.8
2	52.4 + 39.8 + 39	693	2	52.3 + 39	47	7.7
2	51.5 + 39.8 + 39	687	2	51.6 + 39	51	7.3
2	40.1 + 39.9 + 39	642	2	40.1 + 39	53	7.8
2	37.5 + 40.0 + 40	593	2	37.6 + 40	0	8.2
2	26.7 + 40.1 + 40	551	2	26.7 + 40	4	8.2
2	26.0 + 39.7 + 39	2		+39		
2	58.8 + 40.4 + 40	673	2	58.7 + 40	24	var.
* 2	59.1 + 40.5 + 40	2				
2	56.0 + 40.1 + 40	664	2	56.0 + 40	0.9	6.5
2	52.1 + 40.3 + 40	645	2	52.2 + 40	18	8.3
2	51.6 + 40.2 + 40	644	2	51.8 + 40	14	7.5
2	50.2 + 40.4 + 40	639	2	50.3 + 40	27	6.5
2	41.0 + 40.2 + 40	610	2	41.0 + 40	14	8.3
2	36.6 + 40.3 + 40	589	2	36.6 + 40	18	7.7
2	27.4 + 40.5 + 40	556	2	27.5 + 40	28	9.0
2	18.4 + 40.4 + 40	521	2	18.4 + 40	24	7.7
2	17.1 + 40.2 + 40	514	2	17.1 + 40	14	8.2
3	3.1 + 40.9 + 40	691	3	3.2 + 40	54	8.2
* Second image of H.P. 296 (star measured just before this)						

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Plate 2193

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

13.9 8.1 a	18 2
13.1 9.7 a	18 1
13.3 10.0 a	18 2
13.4 10.0 F 4090	K=H 2
13.4 12.5 a	18 1
14.0 12.7 a	K=H 2
13.8 14.6 a	18 1
13.5 15.9 F 4091	K=H 1
13.4 17.1 a	18 3
13.2 17.8 H	18 1
14.0 20.5 a	18 2
13.7 23.3 a	18 2
14.8 11.1 a	K=H 1
14.7 11.9 a	18 2
14.5 14.1 G 2 D	K=H 2
14.3 14.7 a	18 1
14.7 15.9 a	18 3
14.5 19.6 F 4092	K=H 2
15.0 19.8 a	18 3
14.1 21.1 F 4093	K=H 1
14.2 21.7 F 4094	K=H 1
15.9 5.8 G 2 D	K=H 3
15.5 6.7 a	18 4
15.3 7.6 a	18 1
15.8 8.8 F 4095	K=H 1
15.4 9.9 F 4096	K=H 1
16.0 10.7 a	K=H 1
15.6 13.4 F 4097	K=H 2

1855	P.D. No.	P.C.	Dec.	Magn.
2 ^h 58.6 + 41.1 + 41	617	2 ^h 58.7 + 41	2	7.8
2 54.4 + 40.6 + 40	662	2 54.4 + 40	39	8.5
2 53.7 + 40.7 + 40	653	2 53.4 + 40	40	8.5
2 53.0 + 40.8 + 40	651	2 52.9 + 40	48	8.3
2 47.1 + 40.8 + 40	624	2 47.0 + 40	52	8.6
2 46.6 + 41.2 + 41	570	2 46.6 + 41	12	7.0
2 41.2 + 41.3 + 41	550	2 41.2 + 41	20	8.5
2 37.9 + 40.9 + 40	595	2 37.8 + 40	55	9.0
2 34.4 + 40.9 + 40	577	2 34.5 + 40	53	7.1
2 32.9 + 40.7 + 40	570	2 32.8 + 40	47	7.2
2 25.6 + 41.1 + 41	485	2 25.7 + 41	9	8.5
2 18.2 + 40.8 + 40	516	2 18.0 + 40	40	
2 51.0 + 41.5 + 41	586	2 51.0 + 41	28	9.2
2 48.6 + 41.5 + 41	580	2 48.8 + 41	32	8.2
2 43.0 + 41.4 + 41	556	2 43.0 + 41	25	7.2
2 41.1 + 41.3 + 41	550	2 41.2 + 41	20	8.5
2 37.7 + 41.5 + 41	537	2 37.7 + 41	30	9.3
2 27.8 + 41.4 + 41	496	2 27.9 + 41	26	7.3
2 27.5 + 41.7 + 41	495	2 27.4 + 41	46	7.3
2 24.0 + 41.2 + 41	480	2 24.0 + 41	11	7.5
2 22.4 + 41.2 + 41	475	2 22.4 + 41	13	8.3
3 5.2 + 41.9 + 41	3	+ 41		
3 2.5 + 41.8 + 41	631	3 2.6 + 41	50	6.5
3 0.1 + 41.7 + 41	621	3 0.3 + 41	42	8.2
2 57.1 + 42.0 + 42	700	2 57.2 + 42	2	8.0
2 54.1 + 41.8 + 41	598	2 54.2 + 41	50	7.8
2 52.1 + 42.1 + 42	681	2 52.1 + 42	7	8.3
2 44.7 + 42.0 + 42	646	2 44.8 + 42	0	6.8

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Plate 2193

8-16 Bl. Rem. ^{Mr.} Kline Int.

15.5 16.4 a	N 1
15.7 17.2 a	N 1
16.0 17.5 a	N 2
15.5 17.6 \bar{F} 4098	K=H 1
15.7 17.7 a	N 3
16.0 17.8 a	N 3
15.5 18.0 a	N 2
15.8 18.1 a	N 1
15.9 17.9 a	N 1
15.4 18.4 a	N 1
16.0 20.7 \bar{F} 4099	K=H 2
16.0 21.3 a	N 1
15.6 21.7 a	N 2
17.0 9.5 a	N 1
16.5 11.1 \bar{F} 4100	K=H 1
16.7 11.3 a	N 2
17.0 14.8 a	K=H 2
16.8 17.2 a	N 1
16.7 17.9 a	N 1
16.4 18.6 a	N 1
16.2 21.0 \bar{F}	K=H 2
16.8 22.1 \bar{F} 4101	K=H 2
17.7 8.9 a	N 1
17.9 9.3 \bar{F} 4102	K=H 3
17.8 10.3 a	K=H 1
17.2 11.8 \bar{F} 29	K=H 3
18.0 13.8 a	N 2
17.6 15.5 a	N 3

1855	B.D. No.	P.Q.	DEC	Magn.
2 36.2 + 41.9 + 41	530	2	36.3 + 41 55	8.4
2 34.1 + 42.0 + 42	615	2	34.2 + 42 0	8.5
2 33.5 + 42.2 + 42	607	2	33.4 + 42 12	7.9
2 33.2 + 41.9 + 41	519	2	33.2 + 41 59	9.5 ²
2 33.0 + 42.1 + 42	601	2	33.1 + 42 8	8.3
2 32.8 + 42.2 + 42	593	2	32.9 + 42 12	9.0
2 ^{32.1} 32.9 + ^{41.9} 42.1 + 41	513	2	32.2 + 41 56	9.5
2 31.9 + 42.1 + 42	579	2	32.0 + 42 6	9.5
2 32.6 + 42.2 + 42	588	2	32.6 + 42 10	8.0
2 31.1 + 41.9 + 41	507	2	31.1 + 41 52	9.0
2 24.8 + 42.1 + 42	550	2	24.9 + 42 9	7.7
2 23.2 + 42.1 + 42	542	2	23.3 + 42 5	9.0
2 22.2 + 41.9 + 41	474	2	22.3 + 41 55	7.7
2 55.5 + 42.6 + 42	692	2	55.4 + 42 38	9.1
2 51.2 + 42.4 + 42	679	2	51.2 + 42 22	8.5
2 50.8 + 42.5 + 42	676	2	50.7 + 42 34	7.5
2 41.2 + 42.7 + 42	638	2	41.2 + 42 42	8.0
2 34.1 + 42.6 + 42	613	2	34.2 + 42 36	8.8
2 32.4 + 42.5 + 42	584	2	32.4 + 42 31	8.5
2 30.4 + 42.4 + 42	566	2	30.5 + 42 22	8.8
2 24.0 + 42.3 + 42	546	2	24.0 + 42 16	7.0
2 21.0 + 42.5 + 42	530	2	21.0 + 42 32	8.1
2 57.2 + 42.9 + 42	699	2	57.2 + 42 58.9	8.3
2 56.1 + 43.1 + 43	628	2	56.2 + 43 8	7.0
2 53.3 + 43.0 + 43	623	2	53.3 + 43 1	9.1
2 49.3 + 42.7 + 42	667	2	49.3 + 42 46	6.5
2 43.7 + 43.2 + 43	596	2	43.7 + 43 14	8.3
2 38.9 + 43.0 + 43	579	2	38.8 + 43 1	7.2

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8th Cl. Rem. Kline Int.

17.1	15.8	H	$\gamma = H 1$
17.9	16.1	F 4102 ³	$K = H 2$
17.4	17.2	a	$\gamma = 0.2 H 3$
17.9	21.9	F 4104	$\gamma = H 1$
18.5	6.9	F 4105	$K = H 2$
19.0	8.5	F 4106	$K = H 1$
18.8	10.0	a	$\gamma 1$
18.7	15.6	a	$\gamma 2$
18.8	15.8	F 4107	$K = H 3$
18.8	17.0	S	$K = 1.2 H 4$
18.5	18.3	a	$\gamma 3$
18.8	20.0	a	$\gamma 1$
19.4	6.8	F 4108	$K = H 1$
19.5	9.5	a	$\gamma 3$
19.2	17.2	F 4109	$K = H 1$
19.7	20.0	a	$\gamma 2$
19.5	20.8	a	$\gamma 1$
19.4	21.0	a	$\gamma 1$
20.7	7.5	a	$\gamma 2$
20.3	8.1	K	$K = 1.2 H 5$
20.3	11.1	a	$\gamma 1$
20.7	12.6	a	$\gamma 1$
20.1	12.4	a	$\gamma 1$
20.1	14.4	S	$\gamma = H 3$
20.7	14.7	a	$\gamma 1$
20.9	15.2	a	$\gamma = H 1$
20.1	18.6	a	$\gamma 2$
20.8	19.9	a	$\gamma 1$

1855	B.D. No.	R.A.	Dec.	Magn.
^h 2 ^m 38.0 + ^s 42.8 + 42	628	^h 2 ^m 38.0 + 42	47	7.5
2 37.1 + 43.1 + 43	574	2 37.1 + 43	9	7.5
2 34.2 + 42.9 + 42	614	2 34.2 + 42	55	6.8
2 21.4 + 43.0 + 43	507	2 21.4 + 43	2	7.8
3 2.7 + 43.3 + 43	649	3 2.8 + 43	18	7.7
2 58.6 + 43.6 + 43	634	2 58.6 + 43	40	7.8
2 54.5 + 43.5 + 43	625	2 54.4 + 43	33	7.8
2 38.5 + 43.5 + 43	577	2 38.5 + 43	35	7.5
2 38.2 + 43.6 + 43	576	2 38.1 + 43	38	6.5
2 34.7 + 43.6 + 43	566	2 34.7 + 43	41	5.6
2 31.2 + 43.4 + 43	551	2 31.2 + 43	28	7.0
2 26.5 + 43.5 + 43	529	2 26.4 + 43	34	8.2
3 3.1 + 43.7 + 43	653	3 3.2 + 43	45	8.1
2 55.9 + 43.8 + 43	627	2 56.0 + 43	50	7.5
2 34.2 + 43.8 + 43	563	2 34.2 + 43	48	8.3
2 26.2 + 44.0 + 44	534	2 26.2 + 44	0	7.4
2 24.1 + 43.9 + 43	519	2 24.3 + 43	54	8.5
2 23.6 + 43.8 + 43	518	2 23.8 + 43	49	8.3
3 1.5 + 44.5 + 44	634	3 1.5 + 44	28	7.5
2 59.6 + 44.3 + 44	631	2 59.8 + 44	18	7.5
2 51.5 + 44.3 + 44	612	2 51.5 + 44	17	8.8
2 47.1 + 44.5 + 44	600	2 47.2 + 44	32	8.8
2 47.7 + 44.2 + 44	601	2 47.8 + 44	11	9.1
2 42.4 + 44.3 + 44	593	2 42.3 + 44	17	6.8
2 41.5 + 44.5 + 44	589	2 41.5 + 44	33	8.6
2 39.7 + 44.6 + 44	580	2 39.8 + 44	39	8.0
2 30.2 + 44.2 + 44	550	2 30.2 + 44	13	8.1
2 26.7 + 44.5 + 44	536	2 26.6 + 44	31	8.9

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5 Hb Cl. Rem^m Kline Int.

21.58.2a	γ 2
21.316.2a	γ 2
21.6 16.8 F 4110	K=H1
21.6 17.7 a	γ 1
21.4 17.9 F 4111	K=H1
21.3 22.7 a	γ 1
23.0 7.4 a	K=H2
22.5 22.0 H	γ 1
22.1 9.2 a	γ 2
22.1 9.4 H	γ 1
22.3 11.0 a	γ 1
22.5 12.5 a	γ 2
22.8 18.7 a	γ 2
22.5 19.1 F 4112	K=H1
22.3 20.0 F 4113	K=H1
22.2 20.3 F 4114	K=H1
22.5 22.0 D	K=H2
22.9 24.2 a	γ 2
21.9 23.7 H	γ 1
22.5 22.6 F 4115	K=H1
23.6 7.4 F 4116	K=H2
23.8 12.4 a	γ 3
24.0 14.5 B	K=12H4
24.0 16.9 F 4117	K=H3
23.8 20.4 a	γ 1
23.6 21.2 a	K=H3
22.2 21.5 a	K=05H3
24.7 15.1 a	K=H2

1855	B.D. No.	R.A.	Dec.	Magn.
2 ^h 59.6 + 44.8 + 44	630	2 ^h 57.6 + 44	49	8.5
2 36.9 + 44.8 + 44	573	2 36.8 + 44	50	8.1
2 35.2 + 44.9 + 44	569	2 35.2 + 44	58	8.0
2 32.9 + 45.1 + 45	653	2 32.8 + 45	2	8.7
2 32.2 + 44.9 + 44	538	2 32.3 + 44	52	8.2
2 18.6 + 44.7 + 44	500	2 18.6 + 44	43	8.3
3 2.1 + 45.6 + 45	722	3 2.1 + 45	34	7.0
3 0.6 + 45.4 + 45	716	3 0.5 + 45	22	7.5
2 57.0 + 45.2 + 45	710	2 57.0 + 45	11	7.8
2 56.5 + 45.2 + 45	706	2 56.4 + 45	12	8.0
2 51.9 + 45.2 + 45	692	2 51.9 + 45	16	9.0
2 47.6 + 45.4 + 45	681	2 47.6 + 45	26	8.0
2 29.6 + 45.5 + 45	646	2 29.6 + 45	34	7.8
2 28.9 + 45.4 + 45	641	2 28.8 + 45	27	8.2
2 26.0 + 45.3 + 45	628	2 26.0 + 45	19	9.2
2 25.5 + 45.3 + 45	627	2 25.4 + 45	17	8.2
2 20.2 + 45.4 + 45	614	2 20.3 + 45	22	6.5
2 14.0 + 45.5 + 45	605	2 14.0 + 45	30	7.8
2 15.7 + 44.9 + 44	484	2 15.8 + 44	56	9.4
2 16.1 + 45.3 + 45	608	2 16.1 + 45	16	8.2
3 2.2 + 45.8 + 45	724	3 2.3 + 45	50	7.3
2 48.1 + 46.1 + 46	662	2 48.1 + 46	10	9.5
2 42.0 + 46.2 + 46	648	2 42.0 + 46	14	6.0
2 35.0 + 46.2 + 46	622	2 34.9 + 46	14	7.2
2 25.0 + 46.1 + 46	590	2 25.0 + 46	4	8.0
2 22.4 + 45.9 + 45	620	2 22.4 + 45	57	7.2
2 21.9 + 45.7 + 45	619	2 21.8 + 45	45	7.3
2 39.9 + 46.5 + 46	642	2 39.9 + 46	32	7.8

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Plate 2193

5 Hb Bl. Run. H-line Int.

24.317.2 a 18 2

24.4 17.5 a K-H 1

24.4 18.2 a 18 1

/ 20

1855
^m
^o
 2^r 34.0 + 46.4 + 46 617 2^r 33.9 + 46 20. 7.9.
 2 33.0 + 46.4 + 46 614 2 32.9 + 46 25 7.6
 2 31.2 + 46.4 + 46 604 2 31.1 + 46 23 9.2

R.A. 3^h 20^m Dec. +41.8November 15-1893

Plate 2024

23 43

V Ho Gl. Rini^{nr} Helix Int.

3.8 8.9 a	N 3
5.8 10.4 a	N 3
6.7 6.9 a	K=H 2
6.0 10.2 a	N 1
6.7 12.8 a	N 1
6.7 13.4 a	N 2
7.8 12.9 a	K=H 2
7.6 19.2 F 4118	K=H 1
7.9 19.5 F 4119	K=H 1
7.4 22.5 a	K=H 1
8.1 8.8 H	N 1
8.9 10.7 a	K=H 1
8.8 14.5 F 4120	K=H 1
8.7 18.9 F 4121	K=H 1
9.0 19.5 a	K=H 3
9.8 22.0 K	K=1.2 H 4
10.7 12.1 a	N 2
10.3 13.6 a	K=0.2 H 4
10.8 16.4 H	N 1
10.8 20.9 a	N 2
11.8 8.1 F 4122	K=H 1
11.9 14.4 a	K=H 3
11.5 16.2 F 4123	K=H 1
11.5 19.7 a	N 3
12.4 6.6 a	K=H 1
12.1 7.7 a	K=H 1
12.6 10.0 F 4124	K=H 1
12.9 10.8 F 4125	K=H 2

1855	B.D. No.	R.A.	Dec.	Magn.
$3^h 35.1^m + 36.0 + 36$	$2^h 35.1^m +$			
3 31.7 + 37.1 + 37	811 3	31.7 + 37	7	5.7
3 40.6 + 37.4 + 37	833 3	40.6 + 37	26	6.5
3 32.2 + 37.1 + 37	814 3	32.3 + 37	7	7.5
3 25.8 + 37.5 + 37	794 3	25.8 + 37	32	7.5
3 24.2 + 37.5 + 37	786 3	24.3 + 37	32	7.0
3 25.6 + 38.1 + 38	749 3	25.6 + 38	6	7.0
3 9.2 + 37.7 + 37	751 3	9.2 + 37	56	7.5
3 8.5 + 38.1 + 38	689 3	8.4 + 38	6	7.5
3 1.0 + 37.8 + 37	715 3	0.9 + 37	48	8.0
3 36.1 + 38.2 + 38	803 3	36.1 + 38	12	6.5
3 31.2 + 38.6 + 38	782 3	31.3 + 38	39	7.5
3 21.6 + 38.6 + 38	737 3	21.7 + 38	39	7.0
3 10.0 + 38.5 + 38	693 3	10.0 + 38	31	7.3
3 8.5 + 38.7 + 38	690 3	8.4 + 38	46	6.5
3 2.0 + 39.1 + 39	724 3	2.0 + 39	4	5.2
3 27.7 + 39.6 + 39	829 3	27.8 + 39	36	7.0
3 24.1 + 39.4 + 39	817 3	24.0 + 39	25	6.0
3 19.0 + 39.6 + 39	789 3	19.0 + 39	40	6.8
3 5.0 + 39.5 + 39	3	+39		
3 38.4 + 40.1 + 40	835 3	38.3 + 40	4	7.2
3 22.0 + 40.3 + 40	772 3	21.9 + 40	16	6.5
3 17.0 + 39.9 + 39	784 3	16.9 + 39	56	8.2
3 7.8 + 39.9 + 39	743 3	7.7 + 39	57	6.8
3 42.4 + 40.3 + 40	847 3	42.4 + 40	21	7.2
3 39.2 + 40.2 + 40	842 3	39.2 + 40	14	7.3
3 33.4 + 40.5 + 40	821 3	33.4 + 40	32	7.8
3 31.2 + 40.7 + 40	813 3	31.2 + 40	42	7.0

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Plate 2024

O the Cl. R. ^{Mr.} Kline's Int.

12.3 14.1 A N 3

12.4 16.6 A N 2

12.9 16.7 A K=H 3

12.0 16.8 A N 1

12.9 17.3 A K=H 2

12.4 23.1 A N 5

11.9 24.2 B K=H 2

13.0 24.1 A N 2

13.1 11.5 A N 1

13.3 13.6 Int. N 1

13.9 14.5 A N 2

13.2 17.1 A N 1

13.9 23.0 A N 1

14.6 9.2 A N 2

14.8 14.7 F 4126 K=H 2

15.0 16.1 A N 1

14.3 18.5 A K=H 1

15.6 9.4 F 4127 K=H 4

15.8 10.0 F 4128 K=H 1

15.6 11.7 F 4129 K=H 2

15.6 12.1 A N 3

15.9 14.2 A N 2

where is this star? 16.0 17.0 A K=H 2

15.8 19.4 A K=H 1

15.5 20.4 B 2 K=H 2

15.3 21.5 B 4130 N 3

where is this star? 16.5 18.3 A N 2

16.3 13.0 F 4131 K=H 1

1855	B.D.	No.	R.A.	Dec.	Magn
3 ^L 22.6+40.4+40	776	3	22.7+40	26	7.2
3 15.7+40.4+40	737	3	15.8+40	27	7.0
3 15.5+40.7+40	736	3	15.6+40	44	6.5
3 15.1+40.2+40	733	3	15.2+40	14	7.5
3 14.0+40.7+40	725	3	13.9+40	41	7.3
2 58.8+40.4+40	673	2	58.7+40	24	var.
2 56.0+40.1+40	664	2	56.0+40	09	6.5
2 55.9+40.5+40	663	2	55.9+40	33	7.3
3 29.5+40.8+40	807	3	29.5+40	49	7.9
3 23.5+41.0+41	701	3	23.5+41	08	8.9
3 21.6+41.2+41	696	3	21.6+41	15	7.4
3 14.4+40.8+40	729	3	14.4+40	48	8.2
2 58.6+41.0+41	617	2	58.7+41	2	7.8
3 35.6+41.5+41	742	3	35.7+41	34	7.5 ?
3 21.1+41.7+41	693	3	21.0+41	42	6.9
3 16.9+41.7+41	681	3	16.8+41	47	8.4 ?
3 10.8+41.3+41	656	3	10.7+41	21	8.1
3 35.4+42.1+42	815	3	35.4+42	8	4.1
3 34.0+42.1+42	812	3	33.9+42	8	7.5
3 29.2+42.1+42	803	3	29.2+42	4	7.2
3 28.2+42.1+42	795	3	28.2+42	6	6.7
3 22.5+42.2+42	776	3	22.4+42	15	7.8
3 7.9+42.1+42	736	3	8.0+42	8	7.7
3 5.4+41.9+41	638	3	5.4+41	58	6.8
3 2.6+41.8+41	631	3	2.6+41	50	6.5
3 25.7+42.4+42	787	3	25.8+42	25	7.5

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Plate 2024

V-Helium Rem. ^{Mr.} Kline Int.

H-15.4?

16.4 14.9 A	N 2
17.0 18.0 A	K=0.2H 4
17.6 12.3 A	N 1
17.9 13.4 A	K=0.5H 2
18.5 8.2 A	K=0.5H 2
18.8 8.8 A	N 2
18.7 11.4 A	N 1
18.5 18.7 H	N 1
18.4 19.3 B 4132	N 3
18.3 21.2 F 4133	K=H 1
18.1 23.7 F 4134	K=H 1
20.0 12.1 A	K=0.2H 3
20.0 14.1 B 4135	N 3
19.1 15.5 H	N 1
19.8 19.0 A	K=0.2H 2
19.5 23.6 A	N 1
20.6 7.9 G	K=H 3
20.5 15.2 A	N 1
21.0 16.3 A	N 1
20.4 17.4 A	N 1
20.6 21.6 A	N 1
21.4 8.7 A	K=H 1
21.9 9.5 A	N 3
21.4 16.5 A	N 1
21.2 17.9 A	N 1
21.1 19.1 A	N 1
21.2 19.9 H	N 1
22.7 10.0 A	K=0.2H 2

1855	B. D. No.	P. A.	Dec.	Mag.	
3 ^h 20.6 + 42.4 + 42	772	3	20.7 + 42	30	7.5
3 11.8 + 42.8 + 42	750	3	11.8 + 42	48	5.4
3 27.8 + 43.1 + 43	773	3	27.8 + 43	4	8.2
3 18.6 + 43.2 + 43	732	3	18.8 + 43	15	7.5
3 39.2 + 43.5 + 43	818	3	39.2 + 43	30	6.2
3 37.4 + 43.6 + 43	809	3	37.3 + 43	37	7.0
3 30.2 + 43.6 + 43	783	3	30.2 + 43	35	8.5
3 9.9 + 43.4 + 43	681	3	9.8 + 43	28	8.0
3 8.5 + 43.4 + 43	674	3	8.1 + 43	30	6.0
3 2.7 + 43.3 + 43	649	3	2.8 + 43	18	7.7
2 56.1 + 43.1 + 43	628	2	56.2 + 43	8	7.0
3 28.3 + 44.3 + 44	757	3	28.3 + 44	19	8.0
3 22.6 + 44.4 + 44	734	3	22.7 + 44	21	6.5
3 18.5 + 43.9 + 43	730	3	18.5 + 43	52	7.0
3 8.6 + 44.2 + 44	656	3	8.8 + 44	11	7.9
2 55.9 + 43.8 + 43	627	2	56.0 + 43	50	7.5
3 40.0 + 44.5 + 44	801	3	40.0 + 44	30	5.8
3 19.2 + 44.5 + 44	713	3	19.1 + 44	33	9.4
3 16.1 + 44.8 + 44	699	3	16.1 + 44	45	9.1
3 13.1 + 44.4 + 44	683	3	13.1 + 44	27	8.2
3 1.4 + 44.4 + 44	634	3	1.5 + 44	28	7.5
3 38.0 + 44.9 + 44	797	3	38.0 + 44	54	7.8
3 35.9 + 45.2 + 45	811	3	35.9 + 45	14	6.2
3 15.6 + 45.0 + 45	758	3	15.3 + 45	1	9.1
3 11.6 + 44.8 + 44	677	3	11.6 + 44	51	7.8
3 8.4 + 44.7 + 44	655	3	8.3 + 44	42	8.8
3 6.1 + 44.8 + 44	648	3	6.3 + 44	48	6.8
3 34.5 + 45.6 + 45	804	3	34.6 + 45	39	6.5

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Plate 2024.

5 fl. Cl. ^{Mr.} Rein. Kline Int.

22.5 14.3 F 4136 K=H 3

22.8 21.2 A K=H 2

22.2 23.1 A N 1

23.3 21.1 F 4137 K=H 1

24.6 13.0 A N 2

24.6 15.0 A N 2

24.3 15.3 B 4138 N 3

24.4 19.2 A N 1

RA. 4.0 Dec. +41.4

Plate 2166

5.7 18.3 A N 2

6.9 13.0 S K=H 1

7.9 11.2 F 4139 K=H 1

7.7 13.4 H N 1

7.8 15.4 F 4140 K=H 3

7.2 15.5 F 4141 K=H 1

7.6 22.7 A K=H 2

8.7 13.4 F 4142 K=H 1

8.7 14.7 F 4143 K=H 1

9.3 17.1 F 4144 K=H 1

10.0 17.8 F 4145 K=H 1

9.3 18.9 A N 3

9.4 19.4 H K=H 1

10.2 14.9 A K=H 2

10.7 17.2 F 4146 K=H 1

11.7 10.4 F 4147 K=H 1

11.9 15.2 F 4148 K=H 1

1855

B.D. No. P.A. Dec. Magn.

3	22.5 + 45.5 + 45	778	3	22.4 + 45	34	6.0
3	2.2 + 45.8 + 45	724	3	2.3 + 45	50	7.3
2	57.0 + 45.2 + 45	710	2	57.0 + 45	11	7.8
3	2.2 + 45.8 + 45	724	3	2.3 + 45	50	7.3
3	25.7 + 46.6 + 46	773	3	25.8 + 46	37	7.1
3	20.2 + 46.5 + 46	762	3	20.3 + 46	32	7.0
3	19.2 + 46.4 + 46	760	3	19.4 + 46	27	6.5
3	7.6 + 46.4 + 46	722	3	7.7 + 46	24	7.3

1855

3	51.7 + 36.5 + 36	805	3	51.8 + 36	36	7.5	?
4	5.4 + 37.2 + 37	899	4	5.3 + 37	10	6.2	
4	9.9 + 37.6 + 37	909	4	9.8 + 37	39	7.0	
4	4.4 + 37.6 + 37	897	4	4.4 + 37	36	6.0	
3	59.0 + 37.6 + 37	882	3	59.0 + 37	40	5.5	
3	58.6 + 37.3 + 37	881	3	58.7 + 37	21	6.0	
3	40.5 + 37.4 + 37	833	3	40.6 + 37	26	6.5	
4	4.5 + 38.1 + 38	861	4	4.4 + 38	6	6.7	
4	1.0 + 38.1 + 38	850	4	1.0 + 38	6	7.5	
3	54.7 + 38.4 + 38	836	3	54.7 + 38	23	7.4	
3	53.0 + 38.6 + 38	3		+ 38			
3	50.1 + 38.4 + 38	830	3	50.3 + 38	39	9.4	
3	49.0 + 38.4 + 38	827	3	48.8 + 38	25	6.5	
4	0.6 + 38.8 + 38	847	4	0.6 + 38	52	6.8	
3	54.4 + 39.1 + 39	948	3	54.4 + 39	6	7.0	
4	12.1 + 39.6 + 39	980	4	12.2 + 39	35	7.4	
3	59.2 + 39.7 + 39						

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Plate 2166

Q-Hb Cl. Reim. Kline Int.

11.6 18.1 a	K=0.5H 2
11.8 18.3 \bar{F} 4149	K=H 1
11.6 18.7 a	N 2
11.5 19.6 a	N 5
12.1 6.8 a	N 3
12.5 13.2 g	K=H 3
13.5 14.5 a	K=0.5H 2
13.4 21.7 a	N 1
14.2 8.8 a	K=H 1
14.6 10.7 a	N 1
14.6 15.3 a	K=0.2H 2
14.6 15.6 a	N 1
15.3 9.7 a	N 2
15.3 11.3 \bar{F} 2	K=H 3
15.9 12.1 a	N 3
15.1 14.6 H	N 1
16.0 17.4 a	K=H 1
15.4 19.9 a	K=H 1
16.0 18.5 a	N 1
15.4 19.7 a	N 2
16.3 9.1 a	K=H 1
16.6 10.1 a	N 3
16.4 11.7 \bar{F} 4150	K=H 2
15.9 24.1 a	N 2
16.9 24.1 \bar{F} 4151	K=H 4
18.0 6.6 a	N 2
17.9 15.7 a	N 2
17.6 23.0 a	N 1

1855	B.D. No.	P.A.	Dec	Magn.
3 ^h 52.0 + 39.6 + 39	911	3 ^h 52.1 + 39	34	7.3
3 51.5 + 39.7 + 39	909	3 51.6 + 39	42	7.0
3 50.5 + 39.6 + 39	904	3 50.4 + 39	36	7.4
3 48.1 + 39.6 + 39	895	3 48.2 + 39	35	3.2
4 21.5 + 39.6 + 39	1013	4 21.5 + 39	42	6.6
4 5.1 + 40.1 + 40	912	4 5.0 + 40	6	4.8
4 1.6 + 40.5 + 40	903	4 1.6 + 40	32	7.0
3 42.4 + 40.3 + 40	847	3 42.4 + 40	21	7.2
4 16.7 + 40.8 + 40	961	4 16.7 + 40	48	7.3
4 11.7 + 41.1 + 41	858	4 11.7 + 41	4	8.0
3 59.2 + 41.1 + 41	818	3 59.1 + 41	7	7.0
3 58.6 + 41.1 + 41	815	3 58.5 + 41	6	7.5
4 14.5 + 41.4 + 41	861	4 14.4 + 41	23	7.0
4 10.4 + 41.4 + 41	852	4 10.3 + 41	28	6.5
4 8.1 + 41.7 + 41	844	4 8.1 + 41	47	6.4
4 1.2 + 41.3 + 41	826	4 1.3 + 41	22	7.0
3 53.7 + 41.7 + 41	803	3 53.6 + 41	41	9.5
3 52.1 + 41.4 + 41	795	3 52.2 + 41	26	7.5
3 50.7 + 41.8 + 41	792	3 50.7 + 41	51	7.5
3 47.4 + 41.4 + 41	779	3 47.4 + 41	27	7.0
4 16.0 + 41.9 + 41	870	4 16.0 + 41	53	7.3
4 13.6 + 42.1* + 42	947	4 13.6 + 42	8	9.2
4 9.2 + 42.0 + 42	938	4 9.2 + 42	2	7.1
3 35.7 + 41.5 + 41	742	3 35.7 + 41	34	7.5
3 35.4 + 42.1 + 42	815	3 35.4 + 42	8	4.1
4 23.1 + 42.7* + 42	989	4 23.2 + 42	43	7.0
3 58.5 + 42.8 + 42	897	3 58.2 + 42	48	6.5
* 3 38.5 + 42.4 + 42	824	3 38.5 + 42	25	7.8

* Another star.

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V. H. C. L. R. Kline Int.

18.2 6.3 a	N 1
18.5 8.6 a	N 1
19.0 12.2 a	K=H 1
18.2 19.6 a	N 2
19.1 12.1 a	K=H 1
19.5 17.2 a	N 1
19.6 21.6 a	K=H 3
19.9 23.2 a	N 2
20.4 14.7 a	N 1
20.5 18.8 a	N 1
21.1 13.3 a	N 2
21.6 22.1 a	K=H 3
22.6 11.4 a	N 1
24.0 12.7 a	K=H 2
24.0 15.5 a	N 2
23.1 23.5 a	N 3
24.0 23.9 a	N 2
24.6 11.2 a	N 4
25.4 16.5 a	N 2

RA. 5^h 17^m Dec. + 41.7

Plate 2410

4.6 12.9 a	N 2
4.6 16.4 a	K=H 1
5.3 17.9 a	N 2
5.2 18.6 a	K=H 2
5.7 20.2 a	K=H 2
6.0 20.5 a	N 3

1855	B.A. No.	P.A.	Dec.	Magn.
4 ^h 23.9 + 42.8 + 42	993	4	23.9 + 42	46 7.7
4 18.2 + 43.0 + 43	978	4	18.3 + 43	3 9.3
4 7.8 + 43.3 + 43	935	4	7.8 + 43	19 7.0
3 47.4 + 42.9 + 42	855	3	47.4 + 42	54 7.4
4 8.3 + 43.4 + 43	938	4	8.3 + 43	22 7.0
3 54.0 + 43.5 + 43	884	3	53.9 + 43	35 7.7
3 39.2 + 43.5 + 43	818	3	39.2 + 43	30 6.2
3 37.2 + 43.6 + 43	809	3	37.3 + 43	37 7.0
4 1.2 + 43.9 + 43	915	4	1.1 + 43	
3 49.2 + 44.1 + 44	826	3	49.3 + 44	4 7.7
4 5.1 + 44.4 + 44	890	4	5.0 + 44	24 7.5
3 40.0 + 44.5 + 44	801	3	40.0 + 44	30 5.8
4 10.6 + 45.1 + 45	921	4	10.6 + 45	6 7.9
4 7.1 + 45.8 + 45	905	4	6.9 + 45	50 7.0
3 58.6 + 45.8 + 45	881	3	58.6 + 45	50 7.3
3 35.9 + 45.2 + 45	811	3	35.9 + 45	14 6.2
3 34.5 + 45.6 + 45	804	3	34.6 + 45	39 6.5
4 11.2 + 46.1 + 46	872	4	11.1 + 46	9 5.1
3 55.6 + 46.5 + 46	840	3	55.7 + 46	32 7.2

21

1855	B.A. No.	P.A.	Dec.	Magn.
5 ^h 23.1 + 36.2 + 36	1174	5	23.1 + 36	13 7.0
5 14.1 + 36.3 + 36	1113	5	14.1 + 36	15 6.8
5 10.5 + 36.5 + 36	1086	5	10.4 + 36	31 7.5
5 8.6 + 36.5 + 36	1073	5	8.6 + 36	28 7.3
5 4.2 + 36.7 + 36	1049	5	4.3 + 36	45 7.7
5 4.1 + 36.8 + 36	1047	5	4.0 + 36	51 7.0

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O. H. C. R. ^m K. line Int.

6.8 5.6 D ~ K=H 3

~~8.8 7.8 A~~ ~~N 2~~

6.8 16.0 A N 1

6.5 16.1 K K=H 3

6.2 16.5 F 4153 K=H 1

6.7 17.7 A N 3

6.6 20.6 F 4154 K=H 3

6.5 21.8 A N 3

~~7.8~~ 10.2 A N 2

7.9 10.3 A N 3

7.4 10.5 A N 1

7.9 10.5 A N 2

7.4 10.8 A N 2

7.7 11.9 A N 2

7.9 11.9 A N 1

7.9 13.1 A N 1

7.4 14.5 A N 1

7.9 15.7 A N 2

7.2 18.7 A N 1

9.0 18.2 H N 1

8.3 9.1 9.2 D K=H 2

8.3 9.3 A N 1

8.9 10.4 A N 1

8.5 11.4 H N 1

8.4 13.6 H N 1

8.4 14.8 A N 1

8.9 16.3 F 4155 K=H 1

8.7 20.5 A K=H 4

8.0 23.2 A K=H 4

1855 B.D. No. R.C. Dec. Magn.
 $5^R 41.2 + 37^{\circ} + 37$ $+ 37$

5 15.1 + 37.4 + 37	1177 5 15.7 + 37 22 8.0
5 14.7 + 37.3 + 37	5
5 14.0 + 37.0 + 37	1170 5 13.9 + 37 3 8.1
5 11.0 + 37.3 + 37	1150 5 11.2 + 37 20 8.8
5 3.5 + 37.2 + 37	1091 5 3.5 + 37 10 6.9
5 0.5 + 37.1 + 37	1067 5 0.5 + 37 7 6.4
5 30.1 + 37.9 + 37	1277 5 30.0 + 37 53 7.2
5 29.7 + 37.9 + 37	1275 5 29.7 + 37 54 7.0
5 29.2 + 37.9 + 37	1271 5 29.1 + 37 53 7.6
5 29.1 + 37.7 + 37	1270 5 29.1 + 37 39 8.2
5 28.5 + 37.7 + 37	1265 5 28.5 + 37 43 9.0
5 25.5 + 37.8 + 37	1242 5 25.6 + 37 48 7.3
5 25.6 + 37.9 + 37	1244 5 25.6 + 37 55 7.8
5 22.6 + 37.9 + 37	1222 5 22.6 + 37 56 8.0
5 19.1 + 37.6 + 37	1202 5 19.1 + 37 40 8.3
5 15.7 + 37.9 + 37	1182 5 15.7 + 37 55 7.8
5 8.3 + 37.5 + 37	1127 5 8.3 + 37 30 8.0
5 35.0 + 38.4 + 38	1277 5 34.9 + 38 25 7.5
5 33.0 + 38.1 + 38	1262 5 32.9 + 38 7 9.5
5 32.5 + 38.1 + 38	1258 5 32.4 + 38 7 7.7
5 29.5 + 38.4 + 38	1241 5 29.4 + 38 25 8.0
5 26.9 + 38.2 + 38	1226 5 27.0 + 38 14 8.0
5 21.5 + 38.2 + 38	1193 5 21.5 + 38 12 7.6
5 18.5 + 38.2 + 38	1165 5 18.4 + 38 10 8.3
5 14.2 + 38.4 + 38	1144 5 14.2 + 38 25 8.3
5 3.5 + 38.3 + 38	1063 5 3.5 + 38 18 5.2
4 5.6 + 38.3 + 38	1020 4 5.6 + 38 19 7.7

+ 37 1146
 5 12.9 + 37 17

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V. H. C. Rein^{Mr.} Klein Int.

9.3 5.4 A	R 2
9.5 6.4 A	K=H 1
9.5 6.6 H	R 1
9.8 9.7 A	R 1
9.9 11.3 A	R 1
9.7 15.3 A	R 2
9.8 16.6 A	R 1
9.9 19.2 A	K=H 1
9.3 22.0 G ₂ D	K=H 2
9.9 22.0 F ₄ 156	K=H 1
10.3 5.8 K	K=1.5 H 4
10.3 6.7 K	K=1.5 H 4
11.0 6.8 F 4159	K=H 2
10.8 12.9 F 4156	K=H 1
11.0 15.4 A	R 2
11.0 16.2 A	R 2
10.8 17.2 A	R 2
10.9 17.5 A	R 2
10.4 17.9 H	R 1
10.9 18.2 H	R 1
10.5 18.5 F 4159	K=H 1
10.7 19.0 H	K=H 2
11.3 5.4 A	R 3
11.9 9.1 A	K=H 1
11.5 9.4 F 4160	K=H 1
11.1 9.9 F 4161	K=H 2
11.6 10.1 F 4162	K=H 2
11.7 10.3 A	R 1

1855. B.D. No. R.A. Dec. Magn.

5 ^h 42.1 + 38.5 + 38	1318	5 ^m 42.2 + 38	31	7.2
5 39.6 + 38.6 + 38	1305	5 39.7 + 38	38	7.9
5 39.4 + 38.7 + 38	1303	5 39.4 + 38	41	7.0
5 31.4 + 38.8 + 38	1249	5 31.4 + 38	49	8.0
5 27.2 + 38.9 + 38	1228	5 27.2 + 38	54	8.5
5 16.9 + 38.8 + 38	1159	5 16.8 + 38	49	8.2
5 8.2 + 38.8 + 38	1105	5 8.3 + 38	50	8.8
5 6.7 + 38.9 + 38	1087	5 6.7 + 38	53	8.5
4 59.6 + 38.5 + 38	1041	4 59.7 + 38	30	7.1
4 59.5 + 38.5 + 38	1038	4 59.5 + 38	50	9.5
5 41.5 + 39.1 + 39	1429	5 41.4 + 39	6	4.0
5 39.2 + 39.1 + 39	1418	5 39.1 + 39	8	4.7
5 38.9 + 39.5 + 39	1416	5 38.8 + 39	29	6.5
5 23.2 + 39.4 + 39	1334	5 23.2 + 39	23	9.0
5 16.4 + 39.5 + 39	1299	5 16.4 + 39	30	8.3
5 14.2 + 39.5 + 39	1290	5 14.3 + 39	30	8.6
5 11.9 + 39.4 + 39	1272	5 11.9 + 39	25	7.5
5 11.1 + 39.5 + 39	1267	5 11.2 + 39	32	8.6
5 10.1 + 39.2 + 39	1257	5 10.1 + 39	11	7.6
5 9.2 + 39.4 + 39	1251	5 9.2 + 39	25	8.2
5 8.5 + 39.2 + 39	1245	5 8.6 + 39	11	8.2
5 7.1 + 39.3 + 39	1236	5 7.2 + 39	18	7.0
5 42.6 + 39.5 + 39	1435	5 42.6 + 39	32	7.3
5 33.1 + 39.9 + 39	1388	5 33.2 + 39	54	8.2
5 32.4 + 39.7 + 39	1387	5 32.3 + 39	43	8.5
5 31.1 + 39.5 + 39	1379	5 31.0 + 39	33	7.9
5 30.5 + 39.8 + 39	1377	5 30.4 + 39	45	7.7
5 29.9 + 39.8 + 39	1373	5 29.9 + 39	48	7.8

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to the Cl. Perini-Kline Int.

11.4 13.9 G ₂ D	K=H 3
12.0 16.6 F ₄ 163	K=H 1
11.3 17.8 A	K 3
11.1 17.4 A	K 1
11.9 18.2 F ₂ G ₄ 164	K=1.5 H 2
12.0 20.8 A	K 3
11.7 22.4 A	K 1
11.6 22.6 F ₄ 165	K=H 1
12.0 23.1 A	K 2
11.2 23.4 A	K 1
12.0 23.8 A	K 1
12.3 6.4 A	K 2
12.4 6.9 A	K 1
12.9 8.2 A	K=0.3 H 3
12.1 11.6 G	K=H 3
12.8 13.7 A	K=H 1
12.8 14.1 H	K=H 2
12.5 14.9 A	K 1
13.0 15.0 A	K 2
12.6 18.4 G	K=H 3
12.3 20.1 H	K=H 2
12.2 20.5 A	K 3
13.6 10.0 A	K=H 2
14.0 12.6 H	K 2
13.7 16.8 A	K=0.2 H 4
13.5 17.5 A	K 2
13.8 17.8 A	K=0.3 H 4
13.9 18.0 A	K 1

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8 H₀ Cl. ^{2m} Kline Int.

13.9 18.3 H 18 2

13.4 18.9 a 18 1

13.9 21.3 F 4166 K=H 1

13.6 21.5 B K=H 1

14.1 9.2 a 18 3

14.5 10.8 G 2 J K=H 3

14.3 11.6 a 18 1

14.4 12.0 a 18 1

14.9 12.2 a 18 1

14.6 13.9 J K=H 3

14.3 14.1 a 18 2

14.9 16.5 a 18 1

14.2 18.0 a K=H 2

14.3 20.8 a 18 2

15.0 20.2 a 18 1

15.0 20.5 a 18 1

14.5 20.4 a 18 1

14.9 20.9 a 18 2

14.3 22.9 a 18 5

14.9 24.1 a 18 3

15.2 9.3 B K=H 3

15.4 11.0 J K=H 2

15.9 11.5 a 18 1

15.4 11.6 F 4167 K=H 2

15.9 12.9 a 18 3

15.3 14.1 a 18 1

15.4 16.2 a 18 2

15.3 17.2 B 4165 18 5

1855	B.D. No.	R.A.	Dec.	Magn.
5 8.9 + 40.9 + 40	1245	5 8.8 + 40 56	7.3	
5 7.2 + 40.6 + 40	1231	5 7.2 + 40 38	8.9	
5 0.6 + 40.9 + 40	1197	5 0.7 + 40 52	9.1	
5 0.4 + 40.6 + 40	1194	5 0.4 + 40 39	7.8	
5 33.0 + 41.1 + 41	1257	5 33.0 + 41 3	7.3	
5 28.9 + 41.3 + 41	1240	5 28.9 + 41 16	7.0	
5 26.6 + 41.2 + 41	1230	5 26.6 + 41 10	8.3	
5 25.5 + 41.2 + 41	1227	5 25.5 + 41 12	8.3	
5 25.1 + 41.4 + 41	1226	5 25.2 + 41 26	8.5	
5 20.6 + 41.3 + 41	1206	5 20.6 + 41 20	6.7	
5 20.0 + 41.1 + 41	1215	5 20.0 + 41 10	7.6	
5 13.2 + 41.4 + 41	1175	5 13.4 + 41 27	8.7	
5 9.5 + 41.1 + 41	1151	5 9.5 + 41 5	9.5	
5 2.2 + 41.1 + 41	1108	5 2.2 + 41 9	9.2	
5 3.5 + 41.4 + 41	1117	5 3.5 + 41 27	8.2	
5 2.7 + 41.4 + 41	1111	5 2.7 + 41 25	8.6	
5 3.2 + 41.1 + 41	1115	5 3.2 + 41 8	8.4	
5 1.6 + 41.3 + 41	1102	5 1.7 + 41 19	8.0	
4 56.1 + 41.0 + 41	1058	4 56.4 + 41 2	3.4	
4 53.1 + 41.2 + 41	1044	4 53.1 + 41 14	6.5	
5 32.9 + 41.6 + 41	1256	5 32.9 + 41 38	7.0	
5 28.5 + 41.7 + 41	1238	5 28.4 + 41 45	7.0	
5 27.0 + 41.9 + 41	1232	5 27.0 + 41 52	9.4	
5 26.8 + 41.7 + 41	1231	5 26.8 + 41 44	7.3	
5 23.2 + 42.0 + 42	1218	5 23.2 + 42 0	6.8	
5 19.9 + 41.6 + 41	1203	5 19.9 + 41 38	9.0	
5 14.2 + 41.7 + 41	1181	5 14.2 + 41 41	8.2	
5 11.6 + 41.6 + 41	1162	5 11.6 + 41 40	6.0	

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Plate 2410

V-Hb Cl. ^{nm} R. line int.15.9 18.4 \bar{F} 4169 $K=H1$ 15.4 18.7 \bar{a} $R2$ 15.8 18.9 \bar{a} $R1$ 15.5 19.5 \bar{a} $R2$ 15.7 20.8 \bar{a} $R1$ 15.7 21.5 \bar{a} $R1$ 15.4 21.8 \bar{a} $R1$ 15.3 21.9 \bar{a} $R1$ 16.0 21.9 \bar{a} $R1$ 15.8 23.4 \bar{a} $R2$ 16.9 7.9 \bar{g} $K=H3$ 16.6 11.0 \bar{a} $R1$ 16.8 11.8 \bar{F} 4170 $K=H2$ 16.6 12.6 \bar{a} $K=H2$ 16.5 12.7 \bar{a} $R1$ 16.5 13.4 \bar{F} 4171 $K=H2$ 16.7 13.5 \bar{a} $R2$ 16.2 14.3 \bar{a} $R1$ 16.2 14.6 \bar{g}_{29} $K=H3$ 16.4 15.0 \bar{a} $R1$ 16.9 16.2 \bar{a} $K=0.2H3$ 17.0 16.8 \bar{a} $R1$ 16.3 17.1 \bar{g}_{29} $K=H3$ 16.4 17.4 \bar{H} $R1$ 16.4 17.5 \bar{H} $R1$ 16.7 17.4 \bar{a} $R2$ 17.0 19.1 \bar{a} $K=H1$ 16.8 19.5 \bar{H} $R1$

1855	B.D. No.	R.A.	Dec.	Magn.
5 8.1 + 41.9 + 41	1143	5 8.1 + 41	57	8.0
5 7.6 + 41.6 + 41	1138	5 7.5 + 41	38	8.5
5 7.4 + 41.9 + 41	1137	5 7.5 + 41	52	8.6
5 5.3 + 41.7 + 41	1127	5 5.3 + 41	41	8.1
5 1.7 + 41.7 + 41	1105	5 1.8 + 41	43	8.2
5 0.1 + 41.7 + 41	1088	5 0.1 + 41	42	8.5
4 59.3 + 41.5 + 41	1082	4 59.3 + 41	30	8.9
4 59.2 + 41.5 + 41	1079	4 59.2 + 41	29	8.7
4 59.1 + 41.9 + 41	1078	4 59.1 + 41	54	9.4
4 54.7 + 41.7 + 41	1050	4 54.8 + 41	40	8.0
5 37.0 + 42.4 + 42	1396	5 36.9 + 42	28	6.8
5 28.3 + 42.3 + 42	1355	5 28.5 + 42	18	8.2
5 26.2 + 42.4 + 42	1345	5 26.3 + 42	25	8.4
5 24.1 + 42.3 + 42	1334	5 24.1 + 42	20	8.4
5 23.8 + 42.3 + 42	1333	5 23.8 + 42	17	9.0
5 22.0 + 42.3 + 42	1317	5 22.0 + 42	18	7.5
5 21.6 + 42.4 + 42	1312	5 21.6 + 42	23	8.0
5 19.5 + 42.1 + 42	1305	5 19.6 + 42	6	9.0
5 18.6 + 42.1 + 42	1298	5 18.7 + 42	9	6.9
5 17.5 + 42.2 + 42	1291	5 17.6 + 42	13	8.2
5 14.1 + 42.7 + 42	1274	5 14.0 + 42	28	8.0
5 12.2 + 42.5 + 42	1264	5 12.3 + 42	30	8.8
5 11.6 + 42.1 + 42	1258	5 11.6 + 42	8	7.0
5 11.0 + 42.2 + 42	1255	5 10.8 + 42	13	7.4
5 10.6 + 42.2 + 42	1252	5 10.6 + 42	13	7.8
5 10.8 + 42.4 + 42	1253	5 10.8 + 42	21	7.1
5 6.1 + 42.5 + 42	1228	5 6.2 + 42	29	7.9
5 5.1 + 42.3 + 42	1221	5 5.2 + 42	21.5	8.0

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Plate 2410

& Ho Cl. Rem. Kline Int.

16.7 19.7 H	R 1
16.6 19.8 F 4172	K=H 1
16.6 20.8 A	R 2
16.1 22.5 A	R 1
17.9 9.7 B 4173	R 3
17.1 10.8 H	R 1
17.6 13.2 A	R 1
17.2 18.6 Mr	K=H 3
17.3 19.2 A	R 2
17.3 21.0 A	R 2
17.2 21.6 H	R 1
17.7 22.1 A	R 1
17.2 24.1 A	R 2
19.0 9.1 H	R 2
18.4 10.6 H	K=H 2
19.0 11.6 H	R 1
18.1 12.1 A	R 1
18.2 12.3 B 2 D	K=H 2
18.6 13.5 A	R 1
18.4 15.0 A	R 3
18.2 15.7 H	R 1
18.5 17.4 A	R 2
18.7 20.6 A	R 2
18.3 22.7 F 4174	K=H 3
19.4 6.7 A	R 1
20.0 6.8 A	R 2
20.0 8.3 A	R 1
19.3 10.5 F 4175	K=H 1

1855	B.D. No.	R.A.	Dec.	Magn.
5 4.8 + 42.3 + 42	1215	5 4.7 + 42	16	7.9
5 4.4 + 42.2 + 42	1212	5 4.4 + 42	14	8.0
5 1.9 + 42.2 + 42	1197	5 1.8 + 42	13	7.9
4 57.1 + 41.9 + 41	1061	4 57.1 + 41	54	8.2
5 31.9 + 42.9 + 42	1376	5 31.9 + 42	58.5	7.5
5 29.1 + 42.6 + 42	1362	5 29.0 + 42	35	7.4
5 22.4 + 42.9 + 42	1323	5 22.4 + 42	57	8.3
5 7.9 + 42.6 + 42	1239	5 7.9 + 42	38	6.0
5 6.0 + 42.6 + 42	1227	5 5.9 + 42	36	7.4
5 1.3 + 42.5 + 42	1193	5 1.2 + 42	33	7.9
4 59.5 + 42.5 + 42	1184	4 59.5 + 42	29	8.0
4 58.0 + 42.7 + 42	1176	4 57.9 + 42	42	8.4
4 52.6 + 42.3 + 42	1141	4 52.4 + 42	17	9.0
5 33.9 + 43.5 + 43	1338	5 33.8 + 43	29	7.5
5 29.6 + 43.2 + 43	1325	5 29.6 + 43	14	7.2
5 26.6 + 43.5 + 43	1314	5 26.8 + 43	32	8.2
5 25.5 + 43.1 + 43	1311	5 25.3 + 43	3	8.7
5 25.0 + 43.1 + 43	1310	5 24.9 + 43	9	7.5
5 21.7 + 43.3 + 43	1290	5 21.6 + 43	20	9.0
5 17.2 + 43.2 + 43	1272	5 17.2 + 43	14	6.8
5 15.5 + 43.1 + 43	1265	5 15.4 + 43	6	8.3
5 10.5 + 43.3 + 43	1250	5 10.5 + 43	16	8.0
5 1.7 + 43.2 + 43	1211	5 1.6 + 43	9	9.5
4 56.5 + 42.9 + 42	1170	4 56.5 + 42	58.5	6.8
5 40.2 + 43.6 + 43	1364	5 40.2 + 43	38	8.0
5 40.1 + 43.9 + 43	1362	5 40.1 + 43	58	7.3
5 35.9 + 44.0	1281	5 36.0 + 44	1	8.2
5 30.0 + 43.6 + 43	1326	5 29.8 + 43	38	8.3

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Plate 2410

8 Hb Cl. ^{mm} R. ^{mm} K. ^{mm} Int.

19.2 10.9 F 4176 K=H 1

19.8 11.6 Q Q K=H 2

19.5 12.8 Q R 3

19.1 13.3 F 4177 K=H 1

19.9 15.0 H R 1

19.6 15.2 H K=H 2

19.0 15.2 F 4178 K=H 1

19.4 15.8 Q R 1

19.5 16.2 Q R 1

19.3 20.5 Q R 1

19.1 21.0 Q R 1

19.4 23.4 Q R 2

20.8 6.1 H R 1

20.9 11.6 Q K=H 2

20.4 12.1 F 4179 K=H 3

20.4 13.4 Q R 2

20.3 12.9 F 4180 K=H 1

20.5 15.8 F 4181 K=H 1

20.5 17.7 Q K=H 3

20.4 19.3 F 4182 K=H 1

20.9 20.2 Q R 3

20.6 20.4 Q R 2

21.5 8.5 Q R 2

21.5 9.7 Q R 2

21.3 12.1 Q R 1

21.6 12.4 F 4183 K=H 1

21.2 12.9 F 4184 K=H 2

21.5 15.0 H R 1

1855	B. D. No.	R. A.	Dec.	Magn.
5 ^L 29.0 + 43.6 + 43	1320	5 ^L 28.9 + 43.3	7.9	
5 26.6 + 43.9 + 43	5			
5 23.5 + 43.8 + 43	1301	5 23.6 + 43.50	7.2	2
5 22.1 + 43.6 + 43	1293	5 22.2 + 43.36	8.5	
5 17.2 + 44.1 + 44	1202	5 17.0 + 44.7	9.5	
5 16.7 + 43.9 + 43	1270	5 16.7 + 43.52	7.4	
5 16.6 + 43.5 + 43	1268	5 16.6 + 43.31	8.2	
5 15.1 + 43.7 + 43	1264	5 15.1 + 43.41	8.8	
5 14.0 + 43.7 + 43	1259	5 13.9 + 43.45	8.8	
5 2.0 + 43.5 + 43	1215	5 2.0 + 43.33	8.4	
5 0.6 + 43.4 + 43	1203	5 0.6 + 43.25	9.0	
4 54.2 + 43.5 + 43	1177	4 54.1 + 43.31	8.0	—
5 42.1 + 44.3 + 44	1303	5 42.2 + 44.21	7.9	
5 26.7 + 44.5 + 44	1250	5 26.8 + 44.29	9.0	
5 25.7 + 44.2 + 44	1247	5 25.6 + 44.13	7.2	
5 22.1 + 44.2 + 44	1227	5 22.0 + 44.16	7.6	
5 23.4 + 44.1 + 44	1233	5 23.3 + 44.8	9.0	
5 15.0 + 44.2 + 44	1195	5 15.0 + 44.15	8.2	
5 9.5 + 44.2 + 44	1170	5 9.5 + 44.16	7.0	
5 5.4 + 44.2 + 44				
5 2.6 + 44.4 + 44	1128	5 2.6 + 44.23	7.0	
5 2.1 + 44.2 + 44	1126	5 2.1 + 44.15	7.5	
5 35.5 + 44.7 + 44	1278	5 35.6 + 44.43	7.3	
5 32.4 + 44.8 + 44	1270	5 32.4 + 44.46	7.3	
5 25.6 + 44.7 + 44	1246	5 25.6 + 44.39	8.0	
5 24.7 + 44.8 + 44	1239	5 24.8 + 44.50	8.5	
5 23.2 + 44.7 + 44	1232	5 23.2 + 44.41	7.8	
5 17.5 + 44.8 + 44	1206	5 17.4 + 44.47	7.8	

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Plate 2410

Hb Ch. ^{Mr.} R. Kline Int.

21.8 17.0 A	R 3
21.1 18.0 A	R 1
21.7 18.0 A	R 1
21.4 18.4 A	R 1
21.3 20.8 F	K=H 2
21.4 22.5 A	R 2
22.2 7.2 A	R 2
22.4 7.7 A	K=H 1
22.7 11.1 H	R 1
23.0 12.1 A	K=H 1
22.8 12.3 A	R 1
22.3 12.8 A	R 1
22.2 15.9 A	R 2
22.9 15.1 A	R 1
23.0 16.6 A	K=H 1
22.6 17.6 A	R 1
22.3 17.4 F 4186	K=H 1
22.2 18.1 F 4187	K=H 1
22.5 18.7 H	R 1
23.0 20.0 F 4188	K=H 1
23.2 13.2 A	R 1
23.2 10.6 A	K=H 1
23.9 17.2 A	R 1
23.6 18.9 S	K=H 5
23.2 20.2 A	R 1
23.1 20.6 A	R 2
23.6 23.2 A	R 3
24.2 11.5 A	R 1

1855	B.D. No.	P.A.	Dec.	Mag.
$5^{\circ} 11.6 + 44.9 + 44$	1182	$5^{\circ} 11.6 + 44.56$	7.4	
$5^{\circ} 8.6 + 44.5 + 44$	1167	$5^{\circ} 8.6 + 44.30$	8.5	
$5^{\circ} 8.6 + 44.9 + 44$	1163	$5^{\circ} 8.5 + 44.54$	9.5	
$5^{\circ} 7.5 + 44.7 + 44$	1158	$5^{\circ} 7.5 + 44.39$	8.6	
$5^{\circ} 11.0 + 44.5 + 44$	1117	$5^{\circ} 11.0 + 44.33$	8.0	
$4^{\circ} 56.1 + 44.5 + 44$	1091	$4^{\circ} 56.1 + 44.32$	7.3	
$5^{\circ} 39.4 + 45.0 + 45$	1181	$5^{\circ} 39.5 + 45.2$	7.9	
$5^{\circ} 38.1 + 45.2 + 45$	1178	$5^{\circ} 38.1 + 45.11$	8.0	
$5^{\circ} 28.4 + 45.3 + 45$	1150	$5^{\circ} 28.4 + 45.21$	7.5	
$5^{\circ} 25.7 + 45.6 + 45$	1145	$5^{\circ} 25.7 + 45.34$	8.0	
$5^{\circ} 25.1 + 45.4 + 45$	1144	$5^{\circ} 25.0 + 45.23$	8.0	
$5^{\circ} 23.5 + 45.1 + 45$	1137	$5^{\circ} 23.6 + 45.9$	8.8	
$5^{\circ} 14.6 + 45.1 + 45$	1115	$5^{\circ} 14.7 + 45.5$	8.3	
$5^{\circ} 16.2 + 45.4 + 45$	1121	$5^{\circ} 16.2 + 45.27$	8.8	
$5^{\circ} 12.5 + 45.5 + 45$	1108	$5^{\circ} 12.5 + 45.29$	8.9	
$5^{\circ} 9.6 + 45.2 + 45$	1094	$5^{\circ} 9.7 + 45.16$	8.7	
$5^{\circ} 10.5 + 45.1 + 45$	1099	$5^{\circ} 10.3 + 45.7$	8.7	
$5^{\circ} 8.2 + 45.1 + 45$	1090	$5^{\circ} 8.3 + 45.5$	8.1	
$5^{\circ} 6.7 + 45.2 + 45$	1081	$5^{\circ} 6.8 + 45.13$	8.4	
$5^{\circ} 3.0 + 45.4 + 45$	1070	$5^{\circ} 3.0 + 45.23$	8.9	
$5^{\circ} 22.5 + 45.6 + 45$	1133	$5^{\circ} 22.5 + 45.37$	8.3	
$5^{\circ} 30.0 + 45.6 + 45$	1156	$5^{\circ} 30.0 + 45.37$	7.9	
$5^{\circ} 10.7 + 45.9 + 45$	1102	$5^{\circ} 10.8 + 45.58$	9.0	
$5^{\circ} 6.0 + 45.9 + 45$	1077	$5^{\circ} 6.0 + 45.51$	1.0	
$5^{\circ} 2.4 + 45.5 + 45$	1067	$5^{\circ} 2.4 + 45.31$	8.7	
$5^{\circ} 1.1 + 45.5 + 45$	1062	$5^{\circ} 1.2 + 45.28$	8.0	
$4^{\circ} 53.7 + 45.6 + 45$	1032	$4^{\circ} 53.7 + 45.34$	6.8	
$5^{\circ} 27.1 + 46.1 + 46$	1031	$5^{\circ} 27.3 + 46.6$	8.7	

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Plate 2410

H. H. Ol. Rem. Kline Int.

24.1 12.9 H. r1

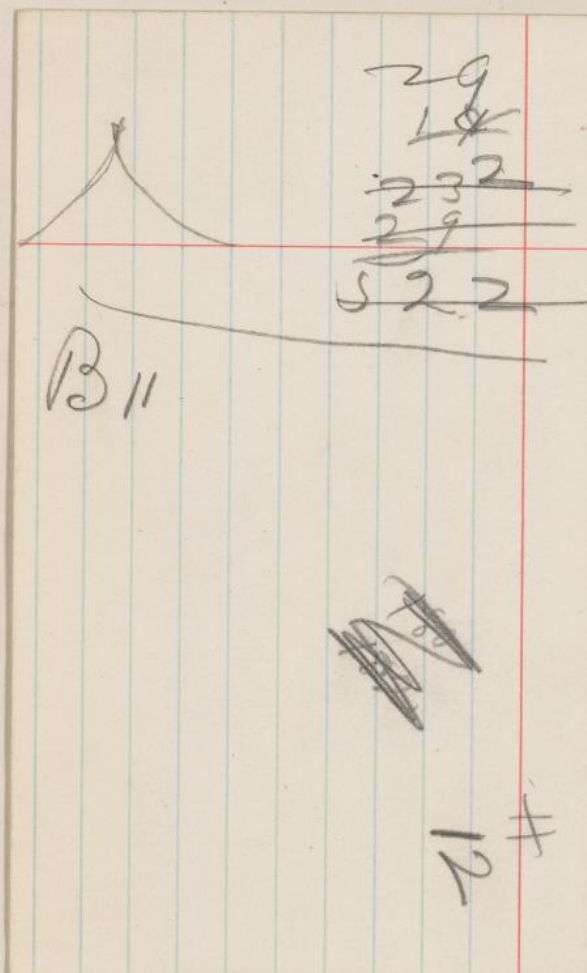
23.4 14.3 H. r1

24.6 18.9 Q. r2

1 0 0 24.5 19.3 Q. r2

1855

δ	α	B.A. No.	R.A.	Dec.	Magn.
5 ^h 23.4 + 46.1	+46	1025	5	23.4 + 46	5 8.7
5 19.5 + 45.7 + 45		1126	5	19.5 + 45	41 7.5
5 5.7 + 46.2 + 46		989	5	5.7 + 46	15 7.1
5 4.9 + 46.2 + 46		985	5	4.8 + 46	14 7.7



1855

δ	α	B.D. No.	R.A.	Dec.	Magn.
5	23.4+46.1	+46 10255	23.4+46	5	8.7
5	19.5+45.7+45	11265	19.5+45	41	7.5
5	5.7+46.2+46	9895	5.7+46	15	7.1
5	4.9+46.2+46	9855	4.8+46	14	7.7

From page 59
to page 73 *inclusive*
all stars that
are identified
page 184. Book 69.
measured on Plate
9431

P.A. $61^m + 41.7$ November 21, 1893

Plate 2207

 $12^{\circ} 00'$

V. H. Bl. Perm. K. Lind. Int.

H. assumed to be 8.1

5.0 18.1 F 4189 K=H 1

4.1 13.4 F 4190 K=H 2

4.3 16.4 A N 2

4.8 16.7 A N 1

4.6 14.3 A N 2

6.0 19.5 A N 5

5.6 20.8 A N 1

5.6 21.2 A N 2

6.5 7.1 F 4191 K=H 1

6.6 9.9 H N 1

7.0 13.3 E K=H 1

6.4 14.1 F 4192 K=H 1

6.5 22.0 F 4193 K=H 2

6.4 23.0 D K=H 2

7.2 15.5 F 4194 K=H 1

7.7 16.1 A N 2

7.6 17.4 F 4195 K=H 2

9.0 10.0 F 4196 K=H 1

8.6 11.9 F 4197 K=H 2

6.3 15.6 A N 1

8.6 16.8 A K=H 3

8.8 17.5 A N 2

8.7 18.5 A N 1

8.9 20.6 A N 1

8.9 22.4 A N 2

10.0 15.6 A N 1

10.0 12.7 F 4198 K=H 1

10.0 22.8 K K=H 3

1855		B.D. No. R.A. Dec. Magn.			
6	19.0 + 36.6 + 36	1442	6	19.0 + 36	35 7.4
6	5.9 + 36.2 + 36	1388	6	5.9 + 36	12 6.6
5	57.6 + 36.3 + 36	1360	5	57.6 + 36	16 6.8
5	51.7 + 36.5 + 36	1332	5	51.8 + 36	31 7.8
6	3.6 + 37.2 + 37	1443	6	3.6 + 37	11 7.0
5	50.0 + 37.2 + 37	1380	5	49.9 + 37	12 8.0
5	46.6 + 36.9 + 36	1301	5	46.6 + 36	51 7.5
5	46.1 + 36.9 + 36	1297	5	46.0 + 36	54 7.3
6	21.7 + 37.3 + 37	1524	6	21.7 + 37	16 6.5
6	14.5 + 37.4 + 37	1501	6	14.6 + 37	24 6.8
6	6.2 + 37.7 + 37	1459	6	6.2 + 37	42 7.5
6	4.1 + 37.3 + 37	1448	6	4.2 + 37	21 7.9
5	43.5 + 37.3 + 37	1346	5	43.5 + 37	17 9.5
5	41.1 + 37.3 + 37	1336	5	41.2 + 37	16 8.0
5	59.9 + 37.6 + 37	1428	6	0.0 + 37	35 8.0
5	58.2 + 38.0 + 38	1384	5	57.8 + 38	0 9.5
5	55.1 + 37.9 + 37	1405	5	55.1 + 37	58 6.7
6	14.5 + 38.6 + 38	1484	6	14.5 + 38	38 7.7
6	9.7 + 38.5 + 38	1452	6	9.7 + 38	29 7.0
5	59.6 + 38.3 + 38	1391	5	59.6 + 38	19 7.5
5	56.5 + 38.5 + 38	1377	5	56.6 + 38	30 6.0
5	54.7 + 38.6 + 38	1366	5	54.7 + 38	35 7.0
5	52.1 + 38.4 + 38	1356	5	52.0 + 38	27 8.1
5	46.7 + 38.6 + 38	1333	5	46.7 + 38	33 7.8
5	42.2 + 38.5 + 38	1318	5	42.2 + 38	31 7.2
5	59.5 + 39.2 + 39	1533	5	59.6 + 39	11 8.0
6	7.8 + 39.2 + 39	1579	6	7.8 + 39	11 8.2
5	41.5 + 39.1 + 39	1429	5	41.5 + 39	6 4.0

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Plate 2207

V. H. Col. Rem. Klin. Int.

11.0 6.6 H	N 1
10.2 8.5 A	K=H 1
10.7 12.7 H	N 1
11.0 14.1 A	N 2
10.9 22.2 A	N 2
10.2 23.5 G ₂ D	K=H 3
10.9 23.7 E	K=H 1
10.9 23.2 A	K=H 1
11.5 6.9 A	N 2
11.4 7.6 A	N 2
11.8 9.6 A	K=H 1
12.0 12.8 A	N 2
11.7 19.5 F ₄ 199	K=H 1
12.1 8.5 A	N 1
12.3 9.2 A	N 1
12.5 9.5 A	N 1
12.8 10.6 E	K=H 1
12.7 15.1 A	N 1
13.0 17.0 A	N 1
12.5 21.7 F ₄ 200	K=H 1
13.5 13.0 A	N 2
14.0 15.1 A	N 2
13.7 16.1 G ₂ D	K=H 2
13.2 19.9 A	N 2
13.7 22.3 F ₄ 201	K=H 1
14.7 8.1 A	N 3
14.1 10.2 A	N 1
15.0 9.5 A	N 1

1855		B.D. No.		P.A.		Dec.		Magn.	
h	m			h	m				
6	23.6	+39.6	+39	1664	6	23.6	+39	33	7.0
6	18.5	+39.2	+39	1635	6	18.5	+39	12	7.6
6	7.7	+39.5	+39	1576	6	7.6	+39	31	6.9
6	4.2	+39.7	+39	1553	6	4.2	+39	43	7.9
5	42.6	+39.5	+39	1735	5	42.6	+39	32	7.3
5	39.2	+39.1	+39	1418	5	39.1	+39	8	4.7
5	38.7	+39.5	+39	1416	5	38.8	+39	29	6.5
5	39.9	+39.5	+39	1421	5	40.0	+39	31	8.0
6	23.0	+39.9	+39	1661	6	22.9	+39	53	7.2
6	21.1	+39.8	+39	1649	6	21.0	+39	57	7.0
6	16.0	+40.0	+40	1598	6	16.0	+40	0	7.8
6	7.6	+40.2	+40	1545	6	7.6	+40	14	7.4
5	49.2	+40.0	+40	1472	5	49.1	+40	1	7.6
6	18.7	+40.2	+40	1613	6	18.8	+40	12	7.3
6	17.2	+40.3	+40	1603	6	17.0	+40	17	7.8
6	16.1	+40.4	+40	1599	6	16.2	+40	26	7.5
6	13.5	+40.6	+40	1581	6	13.4	+40	35	7.0
6	1.0	+40.5	+40	1508	6	0.9	+40	33	7.9
5	55.7	+40.7	+40	1488	5	55.7	+40	41	7.5
5	43.4	+40.4	+40	1446	5	43.4	+40	23	8.1
6	7.1	+40.9	+40	1540	6	7.1	+40	56	7.6
6	0.7	+41.2	+41	1383	6	0.8	+41	15	7.5
5	58.2	+41.1	+41	1365	5	58.1	+41	4	6.7
5	48.1	+40.7	+40	1469	5	48.1	+40	46	7.5
5	41.9	+40.9	+40	1433	5	41.9	+40	55	7.8
6	20.1	+41.5	+41	1451	6	20.2	+41	29	7.0
6	14.4	+41.2	+41	1433	6	14.4	+41	10	8.3
6	15.6	+41.7	+41	1437	6	15.7	+41	40	8.4

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V Hb Bl. Perm. Kline Int.

14.6 14.3 a	R 1
15.0 14.4 a	R 2
14.6 15.0 a	R 1
14.7 15.8 a	R 1
14.3 20.8 a	R 2
15.1 14.0 a	R 1
15.9 15.0 a	R 1
15.3 16.5 G ₂ D	K=H 2
15.6 18.1 a	K=H 1
15.5 18.8 F 4202	K=H 1
15.4 19.4 a	R 1
15.2 19.8 a	R 1
15.1 20.5 mia	R 1
16.8 10.2 a	K=H 1
16.3 11.6 a	R 2
16.9 16.3 a	R 2
16.9 23.9 H	R 1
17.3 6.2 a	R 1
17.5 11.1 a	R 1
17.3 12.0 H	R 1
17.9 15.0 G	K=H 1
17.8 15.7 a	K=0.2H 2
17.3 16.2 a	R 1
17.5 17.3 F 4203	K=H 3
17.3 18.0 G ₂ D	K=H 2
18.0 19.1 F 4204	K=H 1
18.2 6.8 F 4205	K=H 1
18.8 10.4 a	R 2

Look upon plate.

1855	B.D. No.	R.A.	Dec.	Magn.
6 3.6 + 41.5 + 41	1394	6 3.6 + 41	30	8.0
6 3.5 + 41.7 + 41	1392	6 3.4 + 41	44	7.3
6 1.1 + 41.5 + 41	1385	6 1.1 + 41	27	8.2
5 58.6 + 41.5 + 41	5			
5 45.6 + 41.3 + 41	1304	5 45.7 + 41	18	7.0
6 4.5 + 41.8 + 41	1396	6 4.5 + 41	47	8.0
6 1.2 + 42.2 + 42	1502	6 1.2 + 42	12	7.9
5 57.1 + 41.8 + 41	1358	5 57.2 + 41	45	9.4
5 52.9 + 41.9 + 41	1338	5 52.8 + 41	58	8.1
5 50.7 + 41.9 + 41	1329	5 50.8 + 41	55	7.9
5 49.1 + 41.9 + 41	1322	5 49.1 + 41	54	7.5
5 48.2 + 41.7 + 41	1319	5 48.2 + 41	44	8.1
6 14.6 + 42.6 + 42	1547	6 14.6 + 42	37	8.0
6 11.0 + 42.4 + 42	1536	6 11.0 + 42	24	6.5
5 57.5 + 42.7 + 42	1486	5 57.5 + 42	41	6.8
5 37.0 + 42.5 + 42	1396	5 36.9 + 42	28	6.8
6 25.6 + 42.7 + 42	1577	6 25.6 + 42	43	8.0
6 12.5 + 42.9 + 42	1543	6 12.5 + 42	58	7.7
6 9.9 + 42.9 + 42	1533	6 9.9 + 42	51	7.4
6 1.1 + 43.2 + 43	1475	6 1.0 + 43	11	6.9
5 59.2 + 43.1 + 43	1465	5 59.2 + 43	9	9.2
5 57.9 + 42.9 + 42	1488	5 57.8 + 42	52	8.4
5 54.6 + 42.9 + 42	1477	5 54.6 + 42	59	6.8
5 53.0 + 42.9 + 42	1473	5 52.9 + 42	55	6.4
5 49.9 + 43.1 + 43	1404	5 49.8 + 43	10	7.8
6 24.2 + 43.2 + 43	1562	6 24.2 + 43	10	7.5
6 14.2 + 43.6 + 43	1527	6 14.3 + 43	36	6.9

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Plate 2207

V-16 Bl. Reim. Kline Ink.

18.2 10.6 F 4206	K=H 1
18.2 11.0 a	R 1
18.3 15.1 E	K=H 1
18.9 20.8 a	R 1
19.8 11.5 E	K=H 1
19.1 15.0 H	R 1
19.8 15.0 a	R 2
19.2 16.3 a	R 1
20.0 17.5 F 4207	K=H 2
19.2 17.9 a	R 1
19.2 22.5 F 4208	K=H 1
19.7 22.5 a	R 2
20.5 11.5 a	K=H 1
20.7 14.2 a	R 1
20.6 14.7 F 4209	K=H 1
20.8 19.0 D	K=H 2
21.7 9.0 a	R 1
21.2 10.1 a	R 1
21.7 15.0 a	R 1
21.9 18.6 a	R 1
21.4 19.3 a	R 3
22.9 11.7 H	R 1
22.9 13.8 a	R 1
22.6 16.2 a	R 2
22.7 17.5 a	R 2
23.0 18.3 a	R 1
22.8 19.3 a	R 2
23.6 13.1 a	R 1

1855	B. D. No.	R. A.	Dec.	Magn.
6 ^h 13.9 ^m + 43.3 ^s + 43	1524	6 ^h 13.8 ^m + 43	18	6.9
6 12.7 + 43.0 + 43		+ 43		
5 52.4 + 43.4 + 43	1421	5 52.4 + 43	22	7.3
5 45.1 + 43.5 + 43	1379	5 45.0 + 43	33	8.2
6 11.5 + 44.1 + 44	1426	6 11.5 + 44	8	6.7
6 1.0 + 43.8 + 43	1474	6 1.0 + 43	50	7.0
6 1.1 + 44.2 + 44	1383	6 1.0 + 44	10	7.3
5 57.4 + 43.8 + 43	1454	5 57.3 + 43	48	8.7
5 54.0 + 44.3 + 44	1353	5 53.9 + 44	16	7.4
5 53.1 + 43.8 + 43	1423	5 53.1 + 43	47	8.2
5 40.2 + 43.6 + 43	1364	5 40.2 + 43	38	8.0
5 40.1 + 43.9 + 43	1362	5 40.1 + 43	58	7.3
6 11.7 + 44.5 + 44	1429	6 11.7 + 44	28	7.3
6 3.2 + 44.6 + 44	1397	6 3.2 + 44	36	8.8
6 2.5 + 44.5 + 44	1392	6 2.5 + 44	32	8.1
5 49.7 + 44.6 + 44	1332	5 49.7 + 44	35	7.0
6 18.6 + 44.9 + 44	1456	6 18.6 + 44	58	8.3
6 15.6 + 44.8 + 44	1442	6 15.6 + 44	48	7.7
6 1.2 + 45.1 + 45		+ 45		
5 50.7 + 45.1 + 45	1225	5 50.6 + 45	9	7.7
5 48.7 + 44.9 + 44	1328	5 48.9 + 44	56	2.0
6 11.1 + 45.7 + 45	1289	6 11.0 + 45	41	7.0
6 5.0 + 45.6 + 45	1272	6 5.0 + 45	33	9.0
5 57.6 + 45.5 + 45	1248	5 57.6 + 45	33	7.0
5 54.0 + 45.6 + 45	1235	5 53.8 + 45	34	7.0
5 51.5 + 45.7 + 45	1227	5 51.5 + 45	41	8.2
5 48.7 + 45.8 + 45	1216	5 48.7 + 45	36	7.2
6 7.1 + 46.0 + 46	1123	6 7.0 + 46	0	7.7

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Plate 2207

Orto Cl. Run^m Kilmie Dnt.

23.7 13.3 a Ir 1
 23.4 19.1 dia K=H 3
 23.4 19.9 B K=H 2
 24.1 11.5 a Ir 2
 24.3 12.9 S K=H 2
 24.5 13.2 a K=0.8H 2
 24.4 14.1 a Ir 2

RA. 6^h 38^m Dec. +41.7

Plate 2305

6.0 6.7 a Ir 3
 5.9 8.0 F 4210 K=H 2
 5.4 8.8 B K=H 1
 6.0 12.0 a K=H 1
 5.3 14.4 a Ir 1
 5.8 15.3 a K=H 1
 4.7 16.7 a K=0.2H 3
 5.2 17.0 a K=H 1
 5.6 22.9 B K=H 1
 6.9 10.2 F 4211 K=H 1
 6.8 10.7 a K=0.2H 2
 6.4 11.2 F 4212 K=H 1
 6.5 16.7 a K=H 2
 6.7 17.1 S K=H 3
 6.7 18.9 a K=H 1
 6.3 19.6 a K=H 1
 6.6 20.3 H K=H 1
 6.8 21.8 a K=H 1

H=21.8

1855	B. D. No.	R. A.	Dec.	Magn.
6 ^h 6.5 + 46.1 + 46	1121	6	6.5 + 46	4 7.5
5 49.2 + 45.9 + 45	1217	5	49.2 + 45	55 4.8
5 47.0 + 45.9 + 45	1205	5	46.9 + 45	52 7.1
6 11.6 + 46.2 + 46	1135	6	11.6 + 46	14 6.9
6 7.5 + 46.4 + 46	1124	6	7.5 + 46	23 6.5
6 6.7 + 46.5 + 46	1122	6	6.8 + 46	27 6.5
6 4.1 + 46.4 + 46	1119	6	4.2 + 46	25 7.3

1855	B. D. No.	R. A.	Dec.	Magn.
6 ^h 57.5 + 36.8 + 36	1571	6	57.7 + 36	49 6.8
6 56.2 + 36.8 + 36	1563	6	56.2 + 36	47 7.4
6 54.2 + 36.5 + 36	1555	6	54.3 + 36	31 7.0
6 46.2 + 36.9 + 36	1528	6	46.4 + 36	55 8.5
6 39.8 + 36.6 + 36	1509	6	39.8 + 36	37 8.6
6 37.9 + 36.8 + 36	1504	6	37.8 + 36	48 7.3
6 34.5 + 36.3 + 36	1494	6	34.5 + 36	14 6.7
6 33.6 + 36.5 + 36	1490	6	33.6 + 36	28 8.5
6 19.0 + 36.6 + 36	1442	6	19.0 + 36	35 7.4
6 50.7 + 37.3 + 37		6	+ 37	
6 49.6 + 37.3 + 37	1628	6	49.6 + 37	17 7.5
6 48.6 + 37.1 + 37	1625	6	48.6 + 37	4 8.4
6 34.4 + 37.1 + 37	1571	6	34.4 + 37	8 7.8
6 33.5 + 37.3 + 37	1567	6	33.4 + 37	17 6.5
6 28.7 + 37.2 + 37	1553	6	28.7 + 37	14 8.0
6 27.0 + 37.1 + 37	1547	6	27.0 + 37	2 8.0
6 25.2 + 37.2 + 37	1539	6	25.3 + 37	11 7.2
6 21.6 + 37.3 + 37	1524	6	21.7 + 37	16 6.5

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Plate 2305

576 Cl. Perm K line Int.

7.6 7.1 J $K=H 2$ 7.8 8.8 G $K=H 2$ 7.4 9.1 a $K=H 1$ 8.0 9.2 a $K=H 1$ 7.3 11.6 Sna $K 1$ 7.6 14.2 a $K 2$ 7.4 14.6 J $K=H 2$ 7.8 20.2 G $K=H 2$ 8.6 11.0 J $K=H 2$ 8.3 12.4 G $K=H 2$ 8.6 20.6 J $K=H 2$ 10.0 7.1 F 4213 $K=H 1$ 9.4 13.0 a $K 3$ 9.2 13.3 F 4214 $K=H 3$ 10.0 14.5 a $K=H 1$ 9.5 15.4 F 4215 $K=H 1$ 9.2 16.2 F 4216 $K=H 1$ 9.2 19.4 a $K 1$ 9.2 19.7 N $K 3$ 9.5 20.4 F 4217 $K=H 2$ 10.4 12.6 a $K 1$ where is this star? 10.7 14.1 H $K 1$ 10.1 13.4 F 4218 $K=H 3$ 10.3 16.0 a $K 2$ 11.0 16.3 F 4219 $K=H 2$ Looks up on plate 11.0 17.2 a $K=H 1$ 10.1 17.3 F 4220 $K=H 2$ 10.4 17.4 a $K 1$

1855	B.D. No.	R.A.	Dec.	Magn.
6 58.7 + 37.7 + 37	1660	6 58.8 + 37	40	6.5
6 54.5 + 37.8 + 37	1645	6 54.5 + 37	48	7.0
6 53.9 + 37.5 + 37	1642	6 53.8 + 37	32	8.5
6 53.7 + 37.8 + 37	1640	6 53.6 + 37	50	8.9
6 47.5 + 37.6 + 37	1620	6 47.5 + 37	35	6.9
6 41.1 + 37.7 + 37	1598	6 41.0 + 37	44	8.4
6 39.9 + 37.7 + 37	1592	6 39.9 + 37	41	6.5
6 25.4 + 37.8 + 37	1540	6 25.4 + 37	50	6.8
6 49.2 + 38.2 + 38	1656	6 49.2 + 38	15	6.5
6 45.7 + 38.1 + 38	1641	6 45.7 + 38	5	6.6
6 24.5 + 38.2 + 38	1525	6 24.4 + 38	10	9.3
6 59.1 + 38.9 + 38				
6 44.1 + 38.5 + 38	1638	6 44.0 + 38	41	6.3
6 43.2 + 38.6 + 38	1636	6 43.3 + 38	37	6.2
6 40.1 + 38.9 + 38	1617	6 40.1 + 38	59	7.4
6 37.5 + 38.7 + 38	1605	6 37.4 + 38	41	7.3
6 35.5 + 38.5 + 38	1595	6 35.5 + 38	32	7.5
6 27.9 + 38.6 + 38	1545	6 27.1 + 38	39	9.3
6 26.6 + 38.6 + 38	1539	6 26.6 + 38	33	6.3
6 24.4 + 38.6 + 38	1527	6 24.6 + 38	33	9.5
6 45.2 + 39.1 + 39	1784	6 45.1 + 39	8	8.9
6 43.0 + 39.1 + 39	1771	6 43.0 + 39	2	6.3
6 35.9 + 39.1 + 39	1736	6 36.0 + 39	7	7.0
6 35.0 + 39.5 + 39	1731	6 35.1 + 39	31	7.0
6 32.6 + 39.1 + 39	1713	6 32.6 + 39	2	7.0
6 32.5 + 39.2 + 39	1711	6 32.4 + 39	10	8.1

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To the Old Reim. Kline Inst.

Looks up on plate.

10.8 17.1 E	K=H 1
11.0 18.8 K	K=H 3
10.7 22.8 Φ 4221	X=H 1
11.3 6.2 K	K=H 4
11.5 11.2 A	R 2
11.5 12.4 A	R 1
12.0 13.8 A	K=H 1
11.8 14.5 H	R 1
11.8 14.6 A	R 1
11.3 14.7 A	R 2
12.0 18.7 A	R 4
11.3 20.8 H	R 1
11.9 21.0 A	R 2
11.9 21.8 A	R 3
12.4 8.5 A	R 1
13.0 9.5 A	R 1
12.2 13.6 H	R 1
12.7 14.8 E	K=H 1
12.8 15.7 A	R 2
12.6 17.2 Φ 4222	K=H 1
12.6 18.0 G	K=H 2
13.0 18.8 E	K=H 1
12.7 22.6 A	R 2
13.6 9.4 G	K=H 2
13.2 10.6 A	R 2
14.0 11.7 S 29	K=H 2
13.5 12.3 Φ 4223	K=H 2
13.9 12.4 A	R 2

h	m	s	B. H. No.	R. A.	Dec.	Magn.
6	28.6	+39.5	1690	6	28.6	+39 31 6.5
6	18.5	+39.2	1635	6	18.5	+39 12 7.6
7	1.7	+39.6	1882	7	1.7	+39 33 5.4
6	48.9	+39.7	1799	6	48.8	+39 43 7.3
6	45.7	+39.7	1788	6	45.8	+39 43 7.7
6	42.0	+39.9	1766	6	42.1	+39 52 9.4
6	40.4	+39.9	1756	6	40.3	+39 53 7.6
6	40.1	+39.9	1755	6	40.1	+39 52 8.0
6	39.6	+39.6	1754	6	39.8	+39 38 7.3
6	28.7	+40.1	1665	6	28.7	+40 1 6.1
6	23.5	+39.6	1664	6	23.6	+39 33 7.0
6	23.0	+39.9	1661	6	22.9	+39 53 7.2
6	21.0	+39.8	1649	6	21.0	+39 51 7.0
6	55.9	+40.1	1788	6	55.9	+40 5 8.7
6	53.5	+40.4	1781	6	53.4	+40 24 8.4
6	42.5	+40.1	1739	6	42.6	+40 6 7.3
6	39.5	+40.3	1723	6	39.4	+40 20 7.3
6	36.6	+40.4	1707	6	36.7	+40 23 7.6
6	32.7	+40.2	1687	6	32.8	+40 15 8.1
6	30.6	+40.3	1676	6	30.6	+40 18 7.4
6	28.5	+40.5	1663	6	28.5	+40 28 7.0
6	18.6	+40.2	1613	6	18.8	+40 12 7.3
6	54.0	+40.8	1783	6	53.9	+40 48 7.0
6	50.7	+40.5	1770	6	50.6	+40 33 7.3
6	47.6	+40.0	1537	6	47.6	+41 1 7.0
6	46.2	+40.7	1757	6	46.1	+40 44 7.0
6	45.9	+40.9	1755	6	45.9	+40 56 8.5

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V. Hel. Rem. Kline Int.

13.5 12.5 a	r 2
13.6 12.6 a	r 1
13.2 13.8 \overline{F} 4224	K=H 1
13.2 14.2 a	r 2
13.6 15.0 a	r 1
13.5 16.7 \overline{S} na	r 2
14.2 7.8 a	r 1
14.5 10.8 a	r 1
14.1 13.1 \overline{F} 4225	K=H 1
14.1 14.1 \overline{F} 4226	K=H 1
13.9 15.6 a	K=H 1
14.3 14.7 a	r 1
14.5 15.0 a	r 1
14.3 15.1 a	r 1
14.5 15.2 a	r 2
14.9 16.9 a	r 1
14.2 18.2 \overline{F} 4227	K=H 3
14.6 19.5 a	r 2
15.9 7.9 a	r 2
15.8 11.7 \overline{S} 20	K=H 3
15.5 14.0 \overline{F} 4228	K=H 2
15.8 14.4 K	K=H 4
15.3 18.7 H	r 1
15.4 18.8 a	r 3
15.2 21.9 a	r 3
16.6 10.8 \overline{S}	K=H 1
16.1 11.0 \overline{F} 4229	K=H 1
16.8 10.9 a	r 1

1855	B.D. No.	R.A.	Dec.	Magn.
6 45.5+40.7+40	1753	6 45.4+40 44	7.5	
6 45.2+40.8+40	1751	6 45.2+40 47	8.3	
6 42.0+40.6+40	1738	6 42.0+40 35	8.4	
6 41.0+40.5+40	1732	6 41.0+40 33	7.5	
6 39.2+40.8+40	1721	6 39.2+40 46	8.7	
6 34.2+40.8+40	1696	6 34.1+40 46	7.0	
6 58.0+41.0+41	1596	6 57.8+41 2	7.8	
6 50.1+41.2+41	1564	6 50.2+41 12	8.2	
6 44.0+41.1+41	1549	6 44.0+41 4	7.4	
6 41.4+41.1+41	1544	6 41.3+41 2	7.7	
6 37.1+40.9+40	1710	6 37.1+40 55	8.6	
6 39.7+41.2+41	1531	6 39.8+41 11	9.3	
6 38.5+41.2+41	1520	6 38.4+41 15	9.5	
6 38.2+41.1+41	1516	6 38.2+41 7	8.5	
6 38.1+41.2+41	1511	6 38.0+41 13	9.0	
6 33.4+41.4+41	1491	6 33.3+41 25	8.5	
6 30.1+41.1+41	1484	6 30.2+41 6	7.0	
6 26.6+41.2+41	1472	6 26.6+41 13	7.8	
6 57.7+41.9+41	1594	6 57.8+41 52	8.7	
6 47.6+41.9+41	1558	6 47.7+41 54	6.6	
6 41.7+41.7+41	1546	6 41.6+41 44	7.8	
6 40.5+41.9+41	1536	6 40.5+41 57	5.2	
6 28.7+41.6+41	1482	6 28.8+41 37	7.5	
6 28.5+41.7+41	1480	6 28.4+41 42	7.0	
6 20.1+41.5+41	1457	6 20.2+41 29	7.0	
6 50.1+42.3+42	1636	6 50.2+42 16	7.8	
6 49.8+42.1+42	1632	6 49.7+42 4	7.6	
6 49.9+42.4+42	1633	6 49.8+42 22	7.7	

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Plate 2305

8 Hb Cl. Perm. Clinic Int.

16.9 11.3 a	K=0.2H3
16.3 15.7 a	N 2
16.4 16.0 a	K=H 2
16.3 18.5 a	N 2
16.4 18.9 a	N 1
16.3 19.8 a	N 1
16.3 21.0 a	K=H 1
16.4 23.4 a	K=H 1
17.7 8.0 F 4230	K=H 1
17.1 13.6 F 4231	K=H 1
17.5 13.8 a	N 2
17.5 18.2 a	N 1
17.2 18.5 K	K=1.2H4
17.5 19.7 a	N 1
17.7 21.4 a	N 1
18.0 21.6 a	N 1
17.7 23.8 a	K=H 1
18.3 10.8 F 4232	K=H 1
18.8 12.0 H	K=H 2
18.2 13.0 a	K=0.3H3
18.4 16.7 a	K=H 1
18.4 20.2 F 4233	K=H 2
19.0 24.0 H	K=H 2
20.0 12.8 a	K=H 3
19.6 14.1 F 4234	K=H 1
19.8 14.6 F 4235	K=H 1
19.8 15.0 F 4236	K=H 2
19.9 15.1 F 4237	K=H 2

1855	B.D. No.	P.A.	Dec.	Magn
6 49.1 + 42.5 + 42	1629	6 49.0 + 42	29	6.5
6 36.6 + 42.2 + 42	1602	6 36.6 + 42	10	8.4
6 35.9 + 42.2 + 42	1601	6 35.9 + 42	10	8.2
6 29.1 + 42.4 + 42	1586	6 29.0 + 42	7	8.2
6 28.0 + 42.1 + 42	1581	6 28.0 + 42	8	8.5
6 25.7 + 42.1 + 42	1578	6 25.6 + 42	2	8.5
6 22.5 + 42.1 + 42	1566	6 22.4 + 42	3	8.6
6 16.0 + 42.1 + 42	1552	6 16.0 + 42	2	7.0
6 58.0 + 42.7 + 42	1663	6 58.0 + 42	43	8.5
6 42.6 + 42.6 + 42	1615	6 42.6 + 42	34	8.6
6 42.2 + 42.8 + 42	1613	6 42.2 + 42	47	7.8
6 29.6 + 42.7 + 42	1589	6 29.7 + 42	41	8.8
6 29.0 + 42.6 + 42	1585	6 29.0 + 42	37	4.8
6 25.7 + 42.7 + 42	1577	6 25.6 + 42	43	8.0
6 21.4 + 42.7 + 42	1565	6 21.2 + 42	42	9.0
6 20.5 + 42.9 + 42	1561	6 20.5 + 42	52	8.5
6 14.6 + 42.6 + 42	1547	6 14.6 + 42	37	8.0
6 50.1 + 43.2 + 43	1631	6 50.2 + 43	9	8.7
6 47.1 + 43.4 + 43	1624	6 47.0 + 43	24	8.0
6 44.5 + 43.1 + 43	1615	6 44.4 + 43	7	7.5
6 33.7 + 43.2 + 43	1590	6 33.8 + 43	12	8.9
6 24.1 + 43.2 + 43	1562	6 24.2 + 43	10	7.5
6 13.7 + 43.3 + 43	1524	6 13.8 + 43	18	6.9
6 44.7 + 44.1 + 44	1551	6 44.8 + 44	5	6.5
6 41.4 + 43.8 + 43	1607	6 41.4 + 43	57	8.4
6 39.9 + 43.9 + 43	1604	6 39.9 + 43	53	8.8
6 38.9 + 43.9 + 43	1601	6 38.9 + 43	54	7.6
6 38.1 + 44.0 + 44	1536	6 38.1 + 44	3	9.5

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Plate 2305

H. H. Bl. Rein. Kline Int.

17.3 15.8 F 4238 K=H 4

19.6 16.7 F 4239 K=H 1

19.7 19.7 G K=H 2

19.8 21.2 H K 1

19.6 23.7 A K 2

20.3 6.8 A K 3

21.0 7.9 F 4240 K=H 2

20.6 18.2 D K=H 2

20.4 14.3 A K 2

20.7 16.2 F 4241 K=H 2

Look up on plate.

20.9 18.1 D K=H 2

20.3 18.2 D K=H 2

20.2 21.6 H K 1

21.3 10.5 D K=H 2

ask Miss Hollett to look up

21.4 11.3 A K 1

21.2 11.8 A K 1

21.7 12.5 A K 1

21.9 13.7 A K=H 3

21.2 16.5 D K=H 2

21.2 17.1 A K=H 4

22.0 23.2 A K 2

22.6 9.8 A K=H 1

22.5 12.1 A K 5

23.6 5.8 H K=H 2

23.6 12.9 A K 1

24.0 13.0 B 2 D K=H 2

23.8 17.5 F 4242 K=H 1

H=17.6?

23.9 7.6 A K 1

1855	B.D. No.	R.A.	Dec.	Magn.
6 ^h 36.2 + 43.7 + 43	1595	6 ^h 36.3 + 43	43	5.7
6 33.5 + 43.8 + 43	1589	6 33.6 + 43	49	8.9
6 25.4 + 43.8 + 43	1565	6 25.4 + 43	49	7.3
6 21.2 + 43.8 + 43	1549	6 21.2 + 43	48	8.0
6 14.1 + 43.6 + 43	1527	6 14.3 + 43	36	6.9
7 1.6 + 44.1 + 44	1598	7 1.6 + 44	4	6.7
6 58.6 + 44.5 + 44	1587	6 58.6 + 44	29	7.5
6 29.5 + 44.4 + 44	1587	6 29.4 + 44	26	9.2
6 40.6 + 44.2 + 44	1544	6 40.7 + 44	13	8.0
6 34.6 + 44.4 + 44	1526	6 34.3 + 44	21	9.2
6 29.3 + 44.1 + 44	1506	6 29.4 + 44	8	6.8
6 20.2 + 43.9 + 43	1548	6 20.2 + 43	58	7.6
6 51.5 + 44.6 + 44	1569	6 51.5 + 44	39	7.7
6 47.6 + 44.6 + 44	1559	6 47.7 + 44	39	9.3
6 45.9 + 44.8 + 44	1554	6 45.8 + 44	50	8.4
6 42.5 + 45.0 + 45	1359	6 42.6 + 45	1	7.0
6 34.1 + 44.6 + 44	1525	6 34.2 + 44	39	7.0
6 32.5 + 44.6 + 44	1518	6 32.5 + 44	39	5.5
6 15.5 + 44.8 + 44	1442	6 15.6 + 44	48	7.7
6 53.6 + 45.3 + 45	1383	6 53.5 + 45	17	7.5
6 47.1 + 45.3 + 45	1367	6 47.0 + 45	19	6.0
7 5.0 + 45.6 + 45	1408	7 5.1 + 45	39	7.0
6 44.7 + 45.8 + 45	1365	6 44.7 + 45	49	8.4
6 44.6 + 46.0 + 46	1202	6 44.6 + 46	0	6.8
6 31.1 + 45.9 + 45	1340	6 31.2 + 45	52	8.1
6 31.0 + 45.9 + 45	1338	6 31.0 + 45	56	8.6

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Plate 2305

K Hb Cl. ^{no} Perm. Kline Int.

24.4 10.4 a R 2

24.9 12.6 a R 4

24.6 14.8 S R=H 1

24.4 15.8 a R 1

24.2 16.4 a R 1

25.3 20.5 a R 2

1 00 24.9 21.4 a R 1

1855	B.D. No.	R.A.	DEC.	Magn.
^h ^m ^s		^h ^m ^s		
6 52.1 + 46.1 + 46	1218	6 52.1 + 46	10	7.7
6 45.9 + 46.4 + 46	1203	6 45.8 + 46	28	6.3
6 39.1 + 46.3 + 46				
6 36.1 + 46.2 + 46	1185	6 36.1 + 46	10	8.7
6 34.3 + 46.1 + 46	1180	6 34.3 + 46	7	8.3
6 22.3 + 46.5 + 46	1157	6 22.4 + 46	35	7.0
6 20.0 + 46.3 + 46	1152	6 20.0 + 46	19	8.9

RA ^{h m} 6 37 Dec. + 41.7

November 23 1893.

Plate 2292

W. H. C. P. ¹⁰⁰ K. L. M. D. T.

^{h m}
23 20

5.5 6.1 a	γ 3
5.4 7.5 H	$K=H$ 1
4.9 8.3 G?	$K=H$ 2
5.9 10.6 F 4243	$K=H$ 1
5.6 11.5 a	γ 1
5.9 12.1 H	γ 1
4.8 13.8 a	γ 1
5.9 14.4 a	γ 1
5.3 14.9 a	$K=H$ 1
4.2 16.1 a	$K=0.2H3$
5.9 16.1 a	$K=H$ 2
5.8 19.1 a	$K=H$ 1
5.3 21.1 F 4244	$K=H$ 1
5.1 22.3 F 4245	$K=H$ 1
6.8 8.6 a	$K=H$ 1
6.3 10.2 a	γ 3
6.8 11.1 Ma	γ 2
7.0 13.7 a	γ 1
6.9 14.1 J	$K=H$ 2
6.9 14.5 G	$K=H$ 1
6.2 16.5 J	$K=H$ 3
6.2 18.4 F 4246	$K=H$ 1
6.1 19.8 H	γ 1
6.3 21.2 G 2 J	$K=H$ 2
7.2 6.6 J	$K=H$ 3
7.3 8.3 G	$K=H$ 2
7.5 8.7 a	$K=H$ 1
7.8 11.8 G	$K=H$ 2

1855	B.D. No.	R.A.	Dec.	Magn
6 59.6 + 36.8 + 36	1571	6 59.7 + 36	49	6.8
6 56.2 + 36.8 + 36	1563	6 56.2 + 36	47	7.4
6 54.2 + 36.5 + 36	1555	6 54.3 + 36	31	7.0
6 48.5 + 37.1 + 37	1625	6 48.6 + 37	4	8.4
6 46.2 + 36.9 + 36	1527	6 46.2 + 36	14	9.5
6 45.0 + 37.1 + 37	1609	6 44.9 + 37	7	7.6
6 40.5 + 36.6 + 36	1511	6 40.5 + 36	34	8.4
6 39.1 + 37.1 + 37	1588	6 39.1 + 37	8	7.5
6 37.9 + 36.8 + 36	1504	6 37.8 + 36	48	7.3
6 34.5 + 36.2 + 36	1594	6 34.5 + 36	14	6.7
6 34.5 + 37.1 + 37	1572	6 34.5 + 37	6	9.2
6 27.0 + 37.1 + 37	1547	6 27.0 + 37	2	8.0
6 22.1 + 36.7 + 36	1452	6 22.2 + 36	42	7.8
6 19.0 + 36.6 + 36	1442	6 19.0 + 36	35	7.4
6 53.9 + 37.5 + 37	1642	6 53.8 + 37	32	8.5
6 49.6 + 37.3 + 37	1628	6 49.6 + 37	17	7.5
6 47.5 + 37.6 + 37	1620	6 47.5 + 37	35	6.9
6 41.1 + 37.7 + 37	1598	6 41.0 + 37	44	8.4
6 39.9 + 37.7 + 37	1592	6 39.9 + 37	41	6.5
6 39.1 + 37.7 + 37	1587	6 39.0 + 37	40	7.1
6 33.5 + 37.5 + 37	1567	6 33.4 + 37	17	6.5
6 28.9 + 37.2 + 37	1555	6 28.7 + 37	10	9.3
6 25.3 + 37.2 + 37	1539	6 25.3 + 37	11	7.2
6 21.6 + 37.3 + 37	1524	6 21.7 + 37	16	6.5
6 58.7 + 37.7 + 37	1660	6 58.8 + 37	40	6.5
6 54.5 + 37.8 + 37	1645	6 54.5 + 37	48	7.0
6 53.6 + 37.8 + 37	1640	6 53.6 + 37	50	8.9
6 45.6 + 38.1 + 38	1641	6 45.7 + 38	5	6.6

Nov. 23, 1893

Plate 2299

V-Hb Cl. Run K line Int.

7.2 15.3 A R 1

7.3 19.7 E K=H 2

8.0 20.1 E K=H 2

8.1 10.5 E 2 D K=H 2

8.9 12.5 A R 3

8.7 12.8 F 4247 K=H 3

9.0 15.0 D K=H 2

8.7 15.7 F 4248 K=H 2

8.8 18.9 A K=H 1

8.7 19.2 R R 3

9.0 19.9 F 4249 K=H 2

9.5 16.5 F 4250 K=H 1

9.6 12.9 F 4251 K=H 3

9.5 14.0 A K=H 1

9.8 15.5 A R 2

9.6 16.8 A K=H 2

10.0 16.9 A R 1

9.5 19.1 A K=H 1

10.0 22.9 F 4252 K=H 1

which star? 10.9 5.7 D K=H 3

11.0 10.7 A R 2

11.0 11.8 A R 1

10.8 14.2 A R 2

10.6 15.8 F 4253 K=H 3

10.5 16.7 A R 1

10.3 17.3 D K=H 2

10.6 18.3 K K=H 2

10.1 18.4 H R 1

1855	B.D. No.	P.A.	Dec.	Magn.
6 ^h 36.4 + 37.8 + 37	1580	6 ^h 36.4 + 37	46	8.3
6 25.4 + 37.8 + 37	1540	6 25.4 + 37	50	6.8
6 24.5 + 38.2 + 38	1523	6 24.4 + 38	10	7.0
		1524 + 1525 Same position		
6 49.1 + 38.2 + 38	1656	6 49.2 + 38	15	6.5
6 44.1 + 38.7 + 38	1638	6 44.0 + 38	41	6.3
6 43.2 + 38.6 + 38	1636	6 43.3 + 38	37	6.2
6 37.5 + 38.7 + 38	1605	6 37.4 + 38	41	7.3
6 35.5 + 38.5 + 38	1595	6 35.5 + 38	32	7.5
6 27.3 + 38.6 + 38	1545	6 27.1 + 38	39	9.3
6 26.6 + 38.6 + 38	1539	6 26.6 + 38	33	6.3
6 24.7 + 38.6 + 38	1528	6 24.7 + 38	38	7.5
6 59.2 + 38.9 + 38	1693	6 59.3 + 38	50	7.5
6 43.0 + 39.1 + 39	1771	6 43.0 + 39	2	6.3
6 40.1 + 38.9 + 38	1617	6 40.1 + 38	59	7.4
6 35.9 + 39.1 + 39	1736	6 36.0 + 39	7	7.0
6 32.6 + 39.1 + 39	1713	6 32.6 + 39	2	7.0
6 32.5 + 39.2 + 39	1711	6 32.4 + 39	10	8.1
6 27.9 + 38.9 + 38	1540	6 26.7 + 38	54	8.1
6 17.0 + 39.1 + 39	1632	6 17.0 + 39	3	7.8
6 48.7 + 39.7 + 39	1799	6 48.8 + 39	43	7.3
6 45.7 + 39.7 + 39	1788	6 45.8 + 39	43	7.7
6 39.7 + 39.6 + 39	1754	6 39.8 + 39	38	7.3
6 35.1 + 39.5 + 39	1731	6 35.1 + 39	31	7.0
6 33.0 + 39.4 + 39	1714	6 32.9 + 39	25	8.6
6 31.1 + 39.3 + 39	1701	6 31.1 + 39	22	7.5
6 28.6 + 39.5 + 39	1690	6 28.6 + 39	31	6.5
6 28.5 + 39.2 + 39	1689	6 28.5 + 39	14	8.0

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Plate 2299

V Hb Cl. Rem. 15 line Int.

10.8 20.2 D	K=H 2
10.2 22.3 \overline{F} 4254	K=H 2
9.9 22.2 E	K=H 1
11.9 8.0 a	R 1
11.7 13.1 G 2 D	K=H 2
11.6 13.3 a	R 1
11.8 14.1 H	R 1
11.5 15.8 a	R 1
11.8 16.5 E	K=H 1
12.0 16.7 \overline{F} 4255	K=H 1
11.6 18.2 a	R 4
11.9 18.8 a	R 1
12.0 19.8 a	R 1
11.5 20.5 a	R 2
11.4 21.3 a	R 3
11.3 21.9 E	K=H 1
11.4 23.0 E	K=H 1
11.9 23.1 a	K=H 1
11.6 24.0 a	R 1
12.4 6.0 \overline{F} 4256	K=H 2
12.6 9.0 a	R 1
12.7 10.1 a	R 2
13.0 11.8 \overline{F} 4257	K=H 2
13.0 12.0 a	R 2
12.1 12.0 E	K=H 1
12.7 13.4 \overline{F} 4258	K=H 1
12.6 13.7 a	R 2
12.2 14.3 E	K=H 1

	1855	B.D. No.	R.A.	Dec.	Magn
6 ^h	23.6+39.5+39	1664 ^h	23.6+39	33	7.0
6	18.4+39.2+39	1635 ^h	18.5+39	12	7.6
6	18.6+39.1+39	1637 ^h	18.7+39	3	7.4
6	55.9+40.1+40	1788 ^h	55.9+40	5	8.7
6	42.4+40.1+40	1739 ^h	42.6+40	6	7.3
6	42.0+39.9+39	1766 ^h	42.1+39	52	9.4
6	40.1+40.1+40	1729 ^h	40.1+40	6	7.2
6	35.1+39.9+39	1729 ^h	35.0+39	56	9.5
6	33.4+40.1+40	1690 ^h	33.3+40	6	8.4
6	32.7+40.2+40	1687 ^h	32.8+40	15	8.1
6	28.7+40.1+40	1665 ^h	28.7+40	1	6.1
6	27.1+40.1+40	1650 ^h	27.1+40	6	8.6
6	24.7+40.2+40	1638 ^h	24.7+40	10	8.4
6	22.9+39.9+39	1661 ^h	22.9+39	53	7.2
6	21.0+39.8+39	1649 ^h	21.0+39	51	7.0
6	19.1+39.7+39	1639 ^h	19.1+39	43	9.3
6	16.5+39.8+39	1629 ^h	16.5+39	45	7.2
6	16.1+40.1+40	1597 ^h	15.9+40	7	9.4
6	13.7+39.8+39	1608 ^h	13.8+39	49	8.3
7	1.2+40.3+40	1803 ^h	1.2+40	17	7.7
6	53.5+40.4+40	1781 ^h	53.4+40	24	8.4
6	50.5+40.6+40	1770 ^h	50.6+40	33	7.3
6	46.1+40.7+40	1757 ^h	46.1+40	44	7.0
6	45.5+40.8+40	1751 ^h	45.2+40	47	8.3
6	45.5+40.3+40	1752 ^h	45.4+40	17	8.0
6	42.0+40.6+40	1738 ^h	42.0+40	35	8.4
6	41.0+40.6+40	1732 ^h	41.0+40	33	7.5
6	39.4+40.3+40	1723 ^h	39.4+40	20	7.3

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Plate 2299

V. H. C. R. ^{Mr.} K. L. M. Int.

13.0 14.6 a	K=H 1
12.3 15.2 a	R 2
13.0 16.2 Ma	R 2
12.1 17.5 g	K=H 2
12.5 18.3 g 2 d	K=H 2
13.0 18.7 a	K=H 1
12.2 22.1 a	R 2
12.4 22.8 a	R 2
12.7 23.0 a	R 2
12.9 23.9 a	R 1
13.7 7.3 a	K=H 1
13.2 8.8 g	K=H 2
14.0 10.3 a	K=H 1
13.6 11.2 g 2 d	K=H 2
13.4 11.9 a	R 2
13.1 12.1 a	R 1
13.7 12.6 F 4259	K=H 2
13.6 13.6 g	K=H 1
13.4 14.0 F 4260	K=H 1
13.9 14.2 a	K=0.5 H 1
14.0 14.6 a	K=H 1
13.8 14.8 a	R 1
14.0 14.8 a	R 2
13.4 15.1 a	K=H 1
13.9 15.0 a	R 1
13.7 17.7 F 4261	K=H 3
13.7 23.9 H	R 1
15.0 13.5 F 4262	K=H 2

1855	B.D. No.	R.A.	Dec.	Magn.
6 38.7+40.7+40	1719	6 38.7+40	45	8.4
6 36.6+40.4+40	1707	6 36.7+40	23	7.6
6 34.1+40.8+40	1696	6 34.1+40	46	7.0
6 30.5+40.3+40	1676	6 30.6+40	18	7.4
6 28.5+40.4+40	1661	6 28.4+40	27	9.2
6 27.4+40.7+40	1654	6 27.4+40	41	8.0
6 18.9+40.2+40	1613	6 18.8+40	12	7.3
6 17.1+40.3+40	1603	6 17.0+40	17	7.8
6 16.1+40.4+40	1599	6 16.2+40	26	7.5
6 14.0+40.5+40	1584	6 14.0+40	29	8.3
6 57.9+41.0+41	1576	6 57.8+40	20	7.8
6 53.9+40.8+40	1783	6 53.9+40	48	7.0
6 50.1+41.2+41	1564	6 50.2+41	12	8.2
6 47.6+41.1+41	1557	6 47.6+41	1	7.0
6 45.8+40.9+40	1755	6 45.9+40	56	8.5
6 45.2+40.8+40	1751	6 45.2+40	47	8.3
6 44.0+41.1+41	1549	6 44.0+41	4	7.4
6 41.4+41.1+41	1544	6 41.3+41	2	7.7
6 40.5+40.9+40	1731	6 40.4+40	55	8.4
6 39.6+41.2+41	1532	6 39.8+41	9	8.9
6 38.5+41.2+41	1522	6 38.5+41	14	9.0
6 38.2+41.1+41	1516	6 38.2+41	7	8.5
6 38.1+41.2+41	1512	6 38.1+41	14	9.0
6 37.1+40.9+40	1710	6 37.1+40	55	8.6
6 37.5+41.2+41	1504	6 37.3+41	13	9.1
6 30.1+41.1+41	1484	6 30.2+41	6	7.0
6 13.6+40.9+41	1583	6 13.7+41	53	7.7
6 41.6+41.7+41	1546	6 41.6+41	44	7.8

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Plate 2299

H. C. C. R. K. L. H. S.

14.5 16.4 a	r 1
14.8 18.2 Dra	r 1
14.9 18.3 a	r 3
14.3 18.6 γ 4263	K=H 1
14.1 19.0 a	r 2
14.7 21.4 a	r 3
14.2 23.0 a	K=H 1
14.3 23.6 a	r 1
15.4 7.4 a	r 1
15.3 9.5 b	K=H 1
15.7 10.5 γ 4264	K=H 2
15.3 11.2 b ₃ -D	K=H 3
15.3 13.9 γ	K=H 4
15.3 15.1 a	r 1
15.9 15.2 a	r 2
15.3 15.5 H	r 1
15.9 15.5 a	K=0.4 H 2
15.8 18.0 a	K=0.2 H 2
15.9 18.4 a	r 1
15.7 19.3 a	r 1
15.8 20.5 a	K=H 1
15.9 22.9 b ₂ -D	K=H 2
15.2 23.1 a	r 1
16.5 9.2 a	r 1
16.1 10.3 b ₂ -D	K=H 2
16.3 10.5 a	K=H 2
16.5 10.8 a	r 3
16.7 13.1 a	K=H 1

1855	B.D. No.	R.A.	Dec.	Magn.
6 ^h 33.5 ^m + 41.4 ^s + 41	1491	6 33.3 + 41	25	8.5
6 28.9 + 41.6 + 41	1482	6 28.8 + 41	37	7.5
6 28.5 + 41.7 + 41	1480	6 28.4 + 41	42	7.0
6 27.5 + 41.4 + 41	1476	6 27.5 + 41	24	8.4
6 26.6 + 41.2 + 41	1472	6 26.6 + 41	13	7.8
6 20.1 + 41.5 + 41	1451	6 20.2 + 41	29	7.0
6 15.9 + 41.1 + 41	1439	6 15.9 + 41	8	8.4
6 14.5 + 41.2 + 41	1433	6 14.4 + 41	10	8.3
6 57.7 + 41.9 + 41	1594	6 57.8 + 41	52	8.7
6 52.2 + 41.8 + 41	1575	6 52.3 + 41	57	8.0
6 49.6 + 42.1 + 42	1632	6 49.7 + 42	4	7.6
6 47.6 + 41.9 + 41	1558	6 47.7 + 41	54	6.6
6 40.5 + 41.9 + 41	1534	6 40.4 + 41	54	9.5
6 36.9 + 41.9 + 41	1502	6 36.8 + 41	52	8.8
6 36.8 + 42.2 + 42	1602	6 36.6 + 42	10	8.4
6 35.7 + 41.9 + 41	1497	6 35.8 + 41	55	7.6
6 35.9 + 42.2 + 42	1601	6 35.9 + 42	10	8.2
6 29.1 + 42.1 + 42	1586	6 29.0 + 42	7	8.2
6 28.0 + 42.1 + 42	1581	6 28.0 + 42	8	8.5
6 25.6 + 42.1 + 42	1578	6 25.6 + 42	2	8.5
6 22.4 + 42.1 + 42	1566	6 22.4 + 42	3	8.6
6 16.0 + 42.1 + 42	1551	6 16.0 + 42	6	9.2
6 15.6 + 41.7 + 41	1447	6 15.6 + 41	40	8.4
6 53.4 + 42.4 + 42	1647	6 53.2 + 42	26	9.0
6 50.2 + 42.3 + 42	1636	6 50.2 + 42	16	7.8
6 49.8 + 42.4 + 42	1633	6 49.8 + 42	22	7.7
6 49.2 + 42.5 + 42	1629	6 49.0 + 42	29	6.5
6 42.6 + 42.6 + 42	1615	6 42.6 + 42	34	8.6

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Plate 2299

V-Hb Bl. Rem. H. line Int.

H=18.0?

17.0 13.3 a $K=0.2H2$ 16.9 17.7 a $K=H1$ 16.7 18.8 d $K=H4$ 17.0 19.2 a $K2$ 17.2 7.5 $\overline{F} 4265 K=H1$ 17.9 10.3 a $K1$ 17.6 11.5 H $K1$ 17.7 12.5 a $K=0.3H2$ 17.9 16.2 a $K1$ 17.9 16.4 H $K1$ 17.9 19.7 $\overline{F} 4266 K=H2$ 17.1 20.9 a $K=H1$ 17.5 21.1 a $K1$ 17.1 23.3 a $K2$ 17.9 24.0 a $K2$ 18.3 11.5 d $K=H2$ 18.9 15.3 $\overline{F} 4267 K=H4$ 18.3 18.4 H $K1$ 18.4 19.3 H $K1$ 18.5 23.5 $\overline{F} 4268 K=H2$ 18.5 23.9 a $K2$ 19.6 12.4 a $K=H4$ 19.2 13.6 $\overline{F} 4268 K=H1$ 18.9 13.9 a $K=0.5H2$ 19.3 14.1 $\overline{F} 4269 K=H1$ 19.3 14.5 $\overline{F} 4270 K=H2$ 19.4 14.7 $\overline{F} 4271 K=H2$ 19.7 17.7 d $K=H3$ V=19.9?
H=13.5?

1855	B.D. No.	R.A.	Dec.	Magn.
$6^{\circ} 42.1' + 42.8' + 42^{\circ}$	1613	$6^{\circ} 42.2' + 42.47'$	7.8	
$6^{\circ} 29.5' + 42.7' + 42^{\circ}$	1589	$6^{\circ} 29.7' + 42.41'$	8.8	
$6^{\circ} 28.7' + 42.6' + 42^{\circ}$	1585	$6^{\circ} 29.0' + 42.37'$	4.8	
$6^{\circ} 25.5' + 42.7' + 42^{\circ}$	1577	$6^{\circ} 25.6' + 42.43'$	8.0	
$6^{\circ} 57.9' + 42.7' + 42^{\circ}$	1663	$6^{\circ} 58.0' + 42.43'$	8.5	
$6^{\circ} 50.1' + 43.2' + 43^{\circ}$	1631	$6^{\circ} 50.2' + 43.9'$	8.7	
$6^{\circ} 47.1' + 43.1' + 43^{\circ}$	1625	$6^{\circ} 47.1' + 43.4'$	8.7	
$6^{\circ} 44.3' + 43.1' + 43^{\circ}$	1615	$6^{\circ} 44.4' + 43.7'$	7.5	
$6^{\circ} 33.7' + 43.2' + 43^{\circ}$	1590	$6^{\circ} 33.8' + 43.12'$	8.9	
$6^{\circ} 33.0' + 43.2' + 43^{\circ}$				
$6^{\circ} 24.1' + 43.2' + 43^{\circ}$	1562	$6^{\circ} 24.2' + 43.10'$	7.5	
$6^{\circ} 21.2' + 42.7' + 42^{\circ}$	1565	$6^{\circ} 21.2' + 42.42'$	9.0	
$6^{\circ} 20.4' + 42.9' + 42^{\circ}$	1561	$6^{\circ} 20.5' + 42.52'$	8.5	
$6^{\circ} 14.5' + 42.6' + 42^{\circ}$	1547	$6^{\circ} 14.6' + 42.37'$	8.0	
$6^{\circ} 12.4' + 42.9' + 42^{\circ}$	1543	$6^{\circ} 12.5' + 42.58'$	7.7	
$6^{\circ} 47.1' + 43.4' + 43^{\circ}$	1624	$6^{\circ} 47.0' + 43.24'$	8.0	
$6^{\circ} 36.2' + 43.7' + 43^{\circ}$	1595	$6^{\circ} 36.3' + 43.43'$	5.7	
$6^{\circ} 27.7' + 43.3' + 43^{\circ}$	1573	$6^{\circ} 27.8' + 43.21'$	8.4	
$6^{\circ} 25.7' + 43.3' + 43^{\circ}$	1566	$6^{\circ} 25.4' + 43.22'$	8.7	
$6^{\circ} 13.7' + 43.3' + 43^{\circ}$	1524	$6^{\circ} 13.8' + 43.18'$	6.9	
$6^{\circ} 12.6' + 43.3' + 43^{\circ}$	1522	$6^{\circ} 12.7' + 43.18'$	7.4	
$6^{\circ} 44.6' + 44.1' + 44^{\circ}$	1551	$6^{\circ} 44.8' + 44.5'$	6.5	
$6^{\circ} 41.4' + 43.8' + 43^{\circ}$	1607	$6^{\circ} 41.4' + 43.51'$	8.4	
$6^{\circ} 40.6' + 44.2' + 44^{\circ}$	1544	$6^{\circ} 40.7' + 44.13'$	8.0	
$6^{\circ} 39.9' + 43.9' + 43^{\circ}$	1604	$6^{\circ} 39.9' + 43.53'$	8.8	
$6^{\circ} 38.7' + 43.9' + 43^{\circ}$	1601	$6^{\circ} 38.9' + 43.54'$	7.6	
$6^{\circ} 38.1' + 43.9' + 43^{\circ}$	1600	$6^{\circ} 38.3' + 43.59'$	8.0	
$6^{\circ} 29.3' + 44.1' + 44^{\circ}$	1506	$6^{\circ} 29.4' + 44.8'$	6.8	

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V Hb Cl. ^{RT} Rini. Kline Int.19.2 19.2 G_2 $K=H$ 319.6 21.1 H $K=H$ 119.7 21.2 F 4272 $K=H$ 119.1 23.4 A $K=H$ 319.9 6.3 A $K=H$ 320.7 7.4 F 4273 $K=H$ 220.2 7.8 G_2 $K=H$ 220.8 10.0 G $K=H$ 220.9 10.8 F 4274 $K=H$ 120.7 11.3 A $K=H$ 120.6 12.3 H $K=H$ 120.5 15.3 H $K=H$ 120.2 15.8 G $K=H$ 220.7 16.0 G_2 $K=H$ 220.7 16.6 K $K=H$ 320.4 17.7 G_2 $K=H$ 220.7 18.3 F 4275 $K=H$ 1no red ink dot on plate 20.2 24.2 H $K=H$ 2" " " " " 20.9 24.1 A $K=H$ 222.0 11.6 A $K=H$ 521.2 11.8 H $K=H$ 121.1 12.0 A $K=H$ 221.4 13.2 A $K=H$ 322.0 15.5 A $K=H$ 121.3 18.9 A $K=H$ 121.7 21.6 A $K=H$ 121.5 22.7 A $K=H$ 222.7 6.9 H $K=H$ 1

1855	B.D. No.	R.A.	Dec.	Mag.
6 ^h 25.5 + 43.8 + 43	1565	6 ^h 25.4 + 43	49	7.3
6 20.2 + 43.9 + 43	1548	6 20.2 + 43	58	7.6
6 19.9 + 44.1 + 44	1463	6 20.0 + 44	2	8.0
6 14.3 + 43.6 + 43	1527	6 14.3 + 43	36	6.9
7 1.6 + 44.1 + 44	1598	7 1.6 + 44	4	6.7
6 58.6 + 44.5 + 44	1587	6 58.6 + 44	29	7.5
6 57.6 + 44.3 + 44	1584	6 57.7 + 44	15	7.0
6 51.5 + 44.6 + 44	1569	6 51.5 + 44	39	7.7
6 49.2 + 44.7 + 44	1562	6 49.1 + 44	43	8.5
6 47.7 + 44.6 + 44	1559	6 47.7 + 44	39	9.3
6 45.0 + 44.6 + 44	1552	6 45.0 + 44	33	8.1
6 36.1 + 44.5 + 44	1533	6 36.1 + 44	30	8.5
6 34.8 + 44.4 + 44	1528	6 34.9 + 44	23	7.8
6 34.2 + 44.7 + 44	1525	6 34.2 + 44	39	7.0
6 32.6 + 44.7 + 44	1518	6 32.5 + 44	39	5.5
6 29.6 + 44.5 + 44	1509	6 29.7 + 44	27	7.0
6 27.9 + 44.4 + 44	1501	6 27.9 + 44	26	7.8

6 47.1 + 45.3 + 45	1367	6 47.0 + 45	19	6.0
6 46.5 + 44.8 + 44	1556	6 46.4 + 44	51	8.3
6 46.0 + 44.8 + 44	1554	6 45.8 + 44	50	8.4
6 42.7 + 45.1 + 45	1359	6 42.6 + 45	1	7.0
6 27.1 + 45.3 + 45	1328	6 27.1 + 45	17	8.7
6 26.4 + 44.8 + 44	1494	6 26.3 + 44	50	8.6
6 18.7 + 44.9 + 44	1456	6 18.6 + 44	58	8.3
6 15.6 + 44.8 + 44	1442	6 15.6 + 44	48	7.7
7 0.2 + 45.5 + 45	1394	7 0.3 + 45	29	7.5

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V 16 Cl. Perm. H. line Int.

22.1 9.3 \overline{F} 4276 $K=H$ 223.9 9.9 \overline{A} N 223.1 12.5 \overline{A} N 123.5 12.5 \overline{B} 29 $K=H$ 22³ 9.15 \overline{A} N 123.8 15.9 \overline{A} N 123.3 17.0 H N 123.4 17.1 \overline{A} N 123.3 20.5 \overline{A} N 123.5 21.5 \overline{A} N 123.3 24.1 H N 124.4 12.1 \overline{A} N 324.2 13.0 H N 124.8 13.8 H N 124.1 14.4 H $K=H$ 124.8 20.0 \overline{A} N 324.4 20.9 \overline{A} N 124.5 23.8 \overline{A} N 2RA. 8^h 1 Dec. +41.8

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5.9 5.8 \overline{F} 4277 $K=H$ 25.2 6.0 \overline{A} N 24.4 10.8 \overline{A} N 25.1 16.0 \overline{A} N 25.1 16.7 \overline{F} 4278 $K=H$ 24.8 19.2 H N 17.0 7.3 \overline{F} 4279 $K=H$ 1

1855	B.D. No.	R.A.	Dec.	Magn.
6 ^h 53.7 ^m + 45.3 ^s + 45	1383	6 ^h 53.5 ^m + 45	17	7.5
6 52.1 + 46.1 + 46	1218	6 52.1 + 46	10	7.7
6 44.8 + 45.8 + 45	1365	6 44.7 + 45	49	8.4
6 44.6 + 46.0 + 46	1202	6 44.6 + 46	0	6.8
6 36.1 + 46.2 + 46	1185	6 36.1 + 46	10	8.7
6 34.5 + 46.1 + 46	1180	6 34.3 + 46	7	8.3
6 31.1 + 45.9 + 45	1338	6 31.0 + 45	56	8.6
6 31.0 + 45.9 + 45	1338	6 31.0 + 45	56	8.6
6 21.2 + 45.8 + 45	1313	6 21.1 + 45	49	9.0
6 18.6 + 45.8 + 45	1306	6 18.6 + 45	50	8.8
6 11.1 + 45.7 + 45	1289	6 11.0 + 45	41	7.0
6 45.9 + 46.4 + 46	1203	6 45.8 + 46	28	6.3
6 43.2 + 46.4 + 46	1201	6 43.3 + 46	23	8.2
6 41.1 + 46.7 + 46	1197	6 41.0 + 46	41	7.5
6 39.1 + 46.3 + 46	1192	6 39.3 + 46	20	7.5
6 22.4 + 46.5 + 46	1157	6 22.4 + 46	35	7.0
6 20.0 + 46.3 + 46	1152	6 20.0 + 46	19	8.9
6 11.6 + 46.2 + 46	1135	6 11.6 + 46	14	6.9

1855	B.D. No.	R.A.	Dec.	Magn.
8 ^h 24.1 ^m + 36.9 ^s + 36	1836	8 ^h 24.1 + 36	56	6.3
8 18.5 + 36.6 + 36	1825	8 18.6 + 36	36	7.5
8 11.4 + 36.2 + 36	1794	8 11.4 + 36	14	7.3
7 58.2 + 36.7 + 36			+ 36	
7 56.5 + 36.7 + 36	1740	7 56.6 + 36	42	7.0
7 50.3 + 36.5 + 36	1726	7 50.4 + 36	28	6.8
8 20.6 + 37.6 + 37	1868	8 20.6 + 37	33	8.0

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8. Hb Cl. ^{mm} Kline Int.

6.9 7.9 H	N 1
6.8 11.9 H	K=H 1
6.8 17.7 H	K=H 1
6.8 19.3 a	K ^H 1
7.0 21.0 F 4280	K=H 1
6.9 22.6 H	N 1
7.5 16.7 a	N 4
7.9 8.8 a	N 1
7.6 19.1 F 4281	K=H 1
7.2 15.0 F 4282	K=H 1
7.2 22.7 F 4283	K=H 1
9.0 6.2 S	K=H 3
8.1 11.8 H	N 1
8.3 15.3 F 4284	K=H 1
8.3 15.8 H	N 1
8.7 23.2 a	N 1
8.1 23.3 a	K=H 1
9.5 7.0 H	N 1
9.7 11.7 a	K=H 1
9.9 14.8 F 4285	K=H 3
9.3 15.0 F 4286	K=H 1
9.5 15.8 H	N 1
9.6 16.0 a	K=H 2
9.8 17.5 a	K=H 1
10.6 7.8 a	N 2
10.4 10.9 H	N 1
10.1 12.2 S	K=H 1
10.3 22.5 a	N 1

H=6.7?

H=9.1?

1855	B.D. No.	R.A.	Dec.	Magn.
8 ^h 18.8 + 37.5 + 37	1864	8	19.0 + 37	29 7.5
8 9.0 + 37.5 + 37	1849	8	8.9 + 37	30 7.3
7 54.0 + 37.5 + 37	1819	7	53.9 + 37	33 6.5
7 50.0 + 37.5 + 37	1813	7	50.0 + 37	29 8.0
7 45.6 + 37.6 + 37	1799	7	45.6 + 37	34 7.8
7 41.6 + 37.4 + 37	1784	7	41.6 + 37	27 6.8
8 21.9 + 37.7 + 37	1870	8	22.0 + 37	45 6.5
8 17.0 + 38.1 + 38	1908	8	16.9 + 38	2 8.2
8 15.9 + 37.9 + 37	1856	8	16.0 + 37	52 7.3
8 1.1 + 37.8 + 37	1831	8	1.0 + 37	45 8.1
7 41.5 + 37.6 + 37	1781	7	41.5 + 37	35 7.7
8 23.4 + 38.5 + 38	1920	8	23.5 + 38	30 6.5
8 9.2 + 38.2 + 38	1894	8	9.2 + 38	11 7.9
7 59.7 + 38.3 + 38	1869	7	59.8 + 38	18 9.0
7 58.6 + 38.3 + 38	1866	7	58.8 + 38	17 7.7
7 40.0 + 38.4 + 38	1820	7	40.0 + 38	23 8.0
7 39.7 + 38.0 + 38		7		
8 21.6 + 38.8 + 38	1816	8	21.6 + 38	46 7.5
8 9.6 + 38.9 + 38	1895	8	9.6 + 38	59.7 8.5
8 1.8 + 39.2 + 39	2065	8	1.8 + 39	10 6.5
8 1.2 + 38.8 + 38	1874	8	1.1 + 38	47 8.4
7 58.5 + 38.9 + 38	1865	7	58.7 + 38	56 7.0
7 58.0 + 39.0 + 39		7	+ 39	
7 54.4 + 39.1 + 39	2048	7	54.3 + 39	1 8.2
8 19.6 + 39.3 + 39	2106	8	19.7 + 39	22 7.8
8 11.5 + 39.3 + 39	2090	8	11.6 + 39	20 8.2
8 8.3 + 39.2 + 39	2082	8	8.3 + 39	15 7.6
7 41.6 + 39.2 + 39	2017	7	41.6 + 39	11 8.4

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V-Hel. Cam. Kline Inst.

11.7 9.7 F 4287	K=H 1
11.7 11.7 H	K=H 1
11.4 14.2 E	K=H 1
11.9 16.1 A	K 1
11.9 17.2 G	K=H 2
11.1 20.6 A	K 3
12.0 21.0 A	K 2
11.5 21.6 H	K 1
11.7 21.9 A	K=H 2
12.9 7.3 A	K=H 2
12.5 8.9 G 23	K=H 2
12.3 11.5 G	K=H 2
12.0 12.0 E	K=H 1
12.5 14.1 H	K 1
12.4 15.8 F 4288	K=H 1
12.8 18.3 F 4289	K=H 1
12.2 18.7 H	K=H 1
12.2 22.8 H	K=H 2
13.2 7.2 A	K 3
13.4 10.5 F 4290	K=H 3
13.2 13.0 A	K=H 2
13.6 13.5 A	K=0.2 H 2
13.9 13.9 A	K=H 1
14.8 13.5 F 4291	K=H 2
14.8 16.9 A	K=0.5 H 2
14.1 18.5 F 4292	K=H 1
14.1 18.9 E	K=H 1
14.7 21.4 F 4293	K=H 1

1855		B.D. No.		R.A.		Dec.		Magn.	
8	15.0 + 39.9 + 39	2095	8	15.0 + 39	57	8.2			
8	9.1 + 40.2 + 40	2022	8	9.1 + 40	10	8.2			
8	3.2 + 39.9 + 39	2068	8	3.2 + 39	54	7.5			
7	57.9 + 40.1 + 40	1994	7	57.8 + 40	4	8.8			
7	54.9 + 40.1 + 40	1989	7	54.9 + 40	9	6.8			
7	46.0 + 39.7 + 39	2031	7	46.1 + 39	40	7.0			
7	45.2 + 40.1 + 40	1958	7	45.2 + 40	4	8.0			
7	43.5 + 39.9 + 39	2022	7	43.6 + 39	50	7.7			
7	42.7 + 39.9 + 39	2018	7	42.9 + 39	54	7.4			
8	21.4 + 40.5 + 40	2065	8	21.5 + 40	32	7.2			
8	17.2 + 40.4 + 40	2050	8	17.1 + 40	22	7.5			
8	10.2 + 40.3 + 40	2027	8	10.2 + 40	20	7.1			
8	9.1 + 40.2 + 40	2022	8	9.1 + 40	10	8.2			
8	3.4 + 40.4 + 40	2010	8	3.5 + 40	25	8.2			
7	58.7 + 40.4 + 40	1999	7	58.7 + 40	22	8.7			
7	51.9 + 40.5 + 40		7						
7	51.1 + 40.3 + 40	1978	7	51.1 + 40	18	7.5			
7	40.5 + 40.1 + 40	1949	7	40.4 + 40	8	7.0			
8	21.5 + 40.7 + 40	2066	8	21.6 + 40	42	6.8			
8	13.0 + 40.9 + 40	2037	8	13.0 + 40	54	7.2			
8	6.5 + 40.8 + 40	2015	8	6.5 + 40	47	8.0			
8	5.1 + 41.0 + 41	1804	8	5.1 + 41	1	7.3			
8	3.9 + 41.1 + 41	1800	8	4.0 + 41	9	8.2			
8	5.2 + 41.6 + 41	1805	8	5.2 + 41	34	7.6			
7	55.6 + 41.6 + 41	1780	7	55.6 + 41	35	7.5			
7	51.6 + 41.3 + 41	1769	7	51.5 + 41	16	7.4			
7	50.4 + 41.2 + 41	1765	7	50.4 + 41	11	8.0			
7	43.9 + 41.4 + 41	1742	7	43.9 + 41	23	8.4			

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H₂ H₂ Bl. Reim. K. line Int.

15.0 5.9 E K=H 1

15.6 14.2 F 4294 K=H 1

15.7 15.1 A K=H 2

15.8 17.0 F 4295 K=H 2

15.2 18.4 F 4296 K=H 2

15.3 18.9 H N 1

16.4 6.6 H N 1

16.1 8.7 F 4297 K=H 1

16.9 19.1 F 4298 K=H 1

16.6 9.9 D K=H 3

16.4 16.6 F 4299 K=H 2

16.5 20.8 A N 2

16.2 21.0 H N 1

17.0 15.7 A K=H 2

17.3 15.5 G K=H 3

18.8 10.7 K K=H 4

18.4 13.7 A K=0.2 H 3

18.4 14.3 F 4300 K=H 1

18.9 16.3 A N 0

19.3 14.5 A K=H 2

19.2 14.9 F 4301 K=H 1

20.0 17.3 F 4302 K=H 2

19.4 19.4 B 4303 N 3

20.5 18.1 A K=H 2

20.3 19.5 G 2 D K=H 3

20.5 20.7 E K=H 3

21.8 11.8 F 4304 K=H 1

22.5 12.4 E K=H 1

H = 10.4 ?

1855 B.D. No. R.A. DEC. Mag.

8 ^h 25.4 + 41.5 + 41 ⁰	1853	8 ^h 25.4 + 41 ⁰ 31 ⁰	7.0
8 3.2 + 41.9 + 41	1799	8 3.2 + 41 ⁴² 38.9	8.5
8 0.2 + 42.1 + 42	1820	8 0.4 + 42 ³	8.0
7 55.5 + 42.1 + 42	1806	7 55.5 + 42 ⁴	7.8
7 51.6 + 41.8 + 41	1771	7 51.6 + 41 ⁴⁸	7.0
7 50.2 + 41.8 + 41	1764	7 50.2 + 41 ⁴⁸	7.0
8. 23.6 + 42.2 + 42	1893	8 23.6 + 42 ¹⁵	7.6
8 18.2 + 42.2 + 42	1873	8 18.2 + 42 ¹¹	8.3
8 17.1 + 42.6 + 42	1870	8 17.1 + 42 ³⁴	8.4
8 14.9 + 42.5 + 42	1859 1860	8 14.9 + 42 ²⁸	8.5 8.6
7 56.5 + 42.4 + 42	1808	7 56.4 + 42 ²³	7.9
7 45.2 + 42.3 + 42	1782	7 45.1 + 42 ²¹	7.8
7 44.6 + 42.2 + 42	1780	7 44.6 + 42 ¹⁰	7.5
7 59.2 + 42.9 + 42	1819	7 59.4 + 42 ⁵²	6.7
8 13.0 + 43.6 + 43	1815	8 12.9 + 43 ³⁹	5.0
8 4.9 + 43.7 + 43	1783	8 4.8 + 43 ²⁸	7.2
8 3.2 + 43.4 + 43	1779	8 3.2 + 43 ²⁷	8.0
7 57.0 + 43.7 + 43	1770	7 57.1 + 43 ⁴¹	6.3
8 7.9 + 43.8 + 43	1796	8 7.9 + 43 ⁵⁷	7.3
8 1.4 + 43.8 + 43	1773	8 1.4 + 43 ⁵⁰	8.3
7 53.7 + 44.2 + 44	1707	7 53.8 + 44 ¹⁵	7.3
7 48.4 + 43.9 + 43 [✓]	1754	7 48.5 + 43 ⁵⁴	7.5
7 52.1 + 44.4 + 44	1701	7 52.1 + 44 ²⁴	7.5
7 48.1 + 44.4 + 44	1693	7 48.1 + 44 ²²	6.5
7 44.7 + 44.4 + 44	1688	7 44.7 + 44 ²²	8.0
8 10.1 + 45.1 + 45	1563	8 10.0 + 45 ⁷	7.3
8 14.1 + 45.4 + 45	1576	8 14.2 + 45 ²⁵	7.3

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Plate 2126

Dr. H. C. Russell, ^m Kline Int.

22.313.1 a K=H 2

23.26.9 F 4305 K=H 2

23.99.3 F 4306 K=H 3

23.111.5 a K=H 1

23.419.9 a K=H 1

24.421.6 a K 3

24.222.2 a K 2

RA 9^h 18^m Dec. +41.9

Plate 2447

4.311.0 a K 1

4.411.4 J K=H 3

5.412.0 K K=1.2H 4

5.712.3 J K=H 2

5.513.1 H K 1

5.615.0 F 4307 K=H 2

5.815.8 a K=H 3

5.223.5 a K 1

6.55.9 H K 1

6.218.1 a K=0.2H 5

7.18.5 H K 1

7.212.8 a K=H 1

8.415.4 F 4308 K=H 1

8.917.2 F 4309 K=H 3

8.117.6 H K 1

8.818.2 a K 1

8.922.9 H K 1

9.819.6 F 4310 K=H 2

1855	B.D. No.	R.A.	Dec.	Magn.
8 ^h 6.4 ^m + 45.4 ^s + 45°	1556	8 ^h 6.4 ^m + 45°	24'	7.5
8 24.2 + 45.7 + 45	1601	8 24.2 + 45	41	7.0
8 17.5 + 46.1 + 46	1398	8 17.5 + 46	8	6.0
8 11.0 + 45.8 + 45	1565	8 10.9 + 45	45	8.0
7 46.7 + 45.8 + 45	1509	7 46.6 + 45	50	8.1
7 41.7 + 46.3 + 46	1323	7 41.6 + 46	18	6.8
7 39.9 + 46.1 + 46	1320	7 40.0 + 46	9	7.1

1855				
9 ^h 27.7 ^m + 36.3 ^s + 36°	1981	9 27.8 + 36	21	8.0
9 26.9 + 36.5 + 36	1979	9 27.0 + 36	29	5.5
9 25.4 + 37.1 + 37		+ 37		
9 24.5 + 37.1 + 37		+ 37		
9 22.7 + 37.1 + 37				
9 17.7 + 37.1 + 37				
9 15.2 + 37.2 + 37				
8 56.5 + 36.8 + 36	1905	8 56.5 + 36	46	6.8
9 40.7 + 37.4 + 37		+ 37		
9 9.7 + 37.4 + 37				
9 34.2 + 37.8 + 37				
9 23.4 + 37.9 + 37				
9 16.6 + 38.5				
9 11.9 + 38.8				
9 11.1 + 38.4				
9 9.5 + 38.7				
8 59.5 + 38.7				
9 5.8 + 39.2				

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Plate 2447

V to Bl. Pres. ^{on} H line Int.9.3 22.8 \bar{F} 4311 $K=H$ 29.5 22.9 \bar{K} $K=1.2H$ 49.6 23.2 \bar{F} 4312 $K=H$ 110.6 9.4 \bar{B} $K=H$ 210.4 13.8 H $K=1$ 10.8 16.2 \bar{F} 4313 $K=H$ 110.9 18.5 \bar{F} 4314 $K=H$ 110.3 23.9 \bar{D} $K=2$ 11.7 11.9 \bar{K} $K=H$ 311.9 15.4 H $K=1$ 11.9 16.4 \bar{F} 4315 $K=H$ 111.8 17.1 \bar{D} $K=H$ 212.2 5.5 \bar{Q} $K=1$ 12.1 6.1 H $K=1$ 12.4 7.7 \bar{F} 4316 $K=H$ 2 $H=9.3?$ 12.1 19.3 \bar{D} $K=H$ 313.0 10.7 \bar{Q} $K=0.5H$ 412.5 11.8 \bar{F} 4317 $K=H$ 212.5 14.4 \bar{F} 4318 $K=H$ 112.1 16.6 H $K=1$ 13.0 17.0 \bar{Q} $K=0.2H$ 312.2 21.1 \bar{F} 4319 $K=H$ 113.2 20.9 H $K=1$ 14.6 9.2 \bar{F} 4320 $K=H$ 1 $V=14.9?$ 15.9 14.8 \bar{F} 4321 $K=H$ 114.5 15.0 H $K=1$ 14.2 19.0 \bar{F} 4322 $K=H$ 115.9 17.9 H $K=1$

	1855	B. D. No.	P. A.	Dec.	Magn.
8 ^h 57 ^m	57.6 + 38.9	+38°			+38°
8	57.2 + 39.0				
8	56.6 + 39.0				
9	32.5 + 39.6				
9	21.1 + 39.5				
9	14.2 + 39.8				
9	8.6 + 39.8				
8	54.5 + 39.3				
9	26.0 + 40.3				
9	16.5 + 40.3				
9	13.7 + 40.3				
9	12.1 + 40.3				
9	42.9 + 40.3				
9	41.4 + 40.3				
9	37.2 + 40.5				
9	33.1 + 40.4				
9	29.2 + 40.9				
9	26.5 + 40.6				
9	19.5 + 40.6				
9	13.3 + 40.8				
9	12.1 + 40.9				
9	1.5 + 40.3				
9	2.1 + 40.9				
9	33.5 + 41.6				
9	18.5 + 41.8				
9	17.7 + 41.6				
9	7.0 + 41.4				
9	9.6 + 42.3				

Nov. 23, 1893

Plate 2447

O. H. Cl. sm Klein Int.

16.8 8.7 a	K=H 3
16.7 10.3 H	N 1
17.0 14.0 ^F 4323	K=H 2
16.7 18.3 a	K=H 1
17.2 13.2 a	N 1
18.0 14.9 a	K=H 2
17.4 19.0 H	K=H 1
18.8 10.6 J	K=H 3
18.9 14.4 ^F 4324	K=H 1
18.9 19.8 a	N 5
18.5 21.1 a	K=H 1
19.8 7.2 H	N 1
20.0 7.2 a	N 2
19.8 9.7 H	K=H 2
19.1 12.9 H	N 1
19.9 13.2 ^F 4325	K=H 2
19.6 23.0 ^F 4326	K=H 1
19.5 23.2 H	N 1
20.6 10.1 a	K=H 2
20.5 15.6 H	N 1
20.2 23.4 ^F 4327	K=H 1
22.0 9.1 ^F 4328	K=H 2
22.0 13.8 a	K=H 2
21.7 15.6 H	N 1
23.0 6.8 ^F 4329	K=H 4
22.9 8.1 B 20	K=H 2
23.0 12.7 a	K=H 2
22.2 20.4 H	K=H 2

1855

B.D. No. R.A. Dec. Magn.

9^h 35.1 + 42.7 + 42⁰

9 30.6 + 42.7 + 42

9 20.9 + 42.9 + 42

9 8.6 + 42.7 + 42

9 23.0 + 42.9 + 42

9 18.2 + 43.4

9 6.4 + 43.1

9 30.0 + 43.8

9 19.6 + 43.8

9 4.1 + 43.8

9 0.6 + 43.5

9 39.5 + 44.2

9 39.6 + 44.3

9 32.6 + 44.3

9 23.6 + 43.9

9 23.0 + 44.4

8 55.4 + 44.0

8 55.0 + 44.0

9 31.7 + 44.7

9 15.9 + 44.6

8 54.5 + 44.3

9 34.5 + 45.4

9 21.1 + 45.4

9 15.7 + 45.2

9 41.2 + 45.8

9 37.4 + 45.8

9 24.6 + 45.9

9 2.1 + 45.4

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Plate 2447

0 50 V Hb Cl. ^{Mr.} Kline Int.

H = 12.9? 23.55.9 J K = H + 2

23.614.5 K K = H + 4

23.217.0 J K = H + 3

$$\begin{array}{r} 18.55 \\ 9^h \overset{m}{23.6} + \overset{s}{46.1} \\ \hline 9 \quad 19.1 + 46.2 \\ \hline 9 \quad 11.7 + 45.9 \end{array}$$

P.A. 10 40 Dec. -60.5

November 24⁵ 1893.

Plate 9431.

V. H. Bl. Reim. Kline Int.

(Vx3) (53+3V)

A

Dec. 1900 15-H

(15-H+J)

P.A. 1900

h m s

-10 40

1. 4.3 5.7 a	N 2	12.9 -55 09	30 -54 39	-9.3			
2. 4.2 6.3 a	N 2	12.6 -55 06	27 -54 39	-8.7			
3. 4.5 6.4 a	N 1	13.5 -55 15	27 -54 48	-8.6			
4. 4.1 6.7 a	N 3	12.3 -55 03	26 -54 37	-8.3			
5. 4.0 7.9 K	K-H 4	12.0 -55 00	20 -54 40	-7.1			
6. 4.7 7.9 a	N 1	14.1 -55 21	20 -55 1	-7.1	3.49	2.48	10 15.2
7. 4.0 8.7 a	N 1	12.0 -55 00	18 -54 42	-6.3			
8. 4.7 9.8 a	N 1	14.1 -55 21	15 -55 06	-5.2	3.49	18.1	10 21.9
9. 4.7 9.9 a	K-H 1	14.1 -55 21	14 -55 07	-5.1	3.49	17.8	10 22.2
10. 4.2 10.7 a	K-H 1	12.6 -55 06	13 -54 53	-4.3	3.48	15.0	10 25.0
11. 4.4 11.9 a	N 3	13.2 -55 12	10 -55 02	-3.1	3.49	10.8	10 29.2
12. 4.4 12.4 b	K-H 2	13.2 -55 12	10 -55 02	-2.6	3.49	9.1	10 30.9
13. 4.3 12.9 a	N 1	12.9 -55 09	9 -55 00	-2.1	3.49	7.8	10 32.7
14. 4.6 13.2 a	N 1	13.8 -55 18	9 -55 09	-1.8	3.50	6.3	10 33.7
15. 4.6 13.3 a	N 1	13.8 -55 18	9 -55 09	-1.7	3.50	6.0	10 34.0
16. 4.5 13.4 a	N 1	13.5 -55 15	9 -55 06	-1.6	3.49	5.6	10 34.4
17. 4.7 13.5 a	N 1	14.1 -55 21	9 -55 12	-1.5	3.50	5.2	10 34.8
18. 4.0 13.5 a	N 2	12.0 -55 00	9 -54 51	-1.5	3.48	5.2	10 34.8
19. 4.6 13.6 b	K-H 4	13.8 -55 18	9 -55 9	-1.4	3.50	4.9	10 35.1
20. 4.7 13.7 a	N 3	14.1 -55 15	8 -55 7	-1.3	3.49	4.5	10 35.5
21. 4.4 13.8 a	N 1	13.2 -55 12	8 -55 4	-1.2	3.49	4.2	10 35.8
22. 4.4 14.5 H	N 1	13.2 -55 12	8 -55 4	-0.5	3.49	1.7	10 38.3
23. 4.5 15.0 H	N 1	13.5 -55 15	8 -55 7	0.0	3.49	0.0	10 40.0
24. 5.0 15.0 J	K-H 2	15.0 -55 30	8 -55 22	0.0	3.52	0.0	10 40.0
25. 5.0 15.2 J	K-H 2	15.0 -55 30	8 -55 22	+0.2	3.52	0.7	10 40.7
26. 4.2 16.1 a	N 2	12.6 -55 06	8 -54 58	+1.1	3.49	3.8	10 43.8
27. 4.6 17.0 a	N 1	13.8 -55 18	9 -55 9	+2.0	3.50	7.0	10 47.0
28. 4.6 17.8 J	K-H 2	13.8 -55 18	10 -55 8	+2.8	3.50	9.8	10 49.8

Identification
From Computed Positions

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

14408 10 29.4-54 53 $7\frac{1}{2}$ +0.2 -9
14410 10 29.4-54 52 $7\frac{1}{2}$
14452 10 31.2-54 54 $7\frac{1}{2}$ +0.3 -8
~~14449 10 31.1-54 54 $8\frac{3}{4}$ -1.6 -6~~

14562 $\frac{10}{h}$ 35.0-54 36 $7\frac{1}{2}$ +0.2 -15
A.G.C. 14569 10 35.3 -55.5 5 +0.2 -4
14573 10 35.4 -55 5 $7\frac{1}{2}$ -0.1 -2

14685 10 40.1-55 16 $8\frac{1}{2}$

14706 10 40.7-55 12 $8\frac{1}{4}$

14936 10 50.4-55 5 $7\frac{1}{2}$?

Identification
From Comparison with chart
& photographs.

13969 10 10.4 54 29 $7\frac{3}{4}$
14002 10 11.6 54 28 6.9
14105 10 15.8 54 32 5.4

14569 10 35.3 55 5 5
14573 10 35.4 55 5 $7\frac{1}{2}$

14685 10 40.1 55 16 $8\frac{1}{2}$

~~14706 10 40.7 55 12 $8\frac{1}{4}$~~
14727 10 41.4 55 16 8

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Plate 9431

V. the Col. Rem. Kline Int (V X 3) (53 + 3V) (Corr R) (53 + 3V + A) (15 - H)

R. A. 1900
10 40

29.	4.7 18.1 A	K-H	141	-55° 21	10 - 55	11	+3.1	3.50	10.8	10	50.8
30.	4.6 16.2 F 4330	K-H	113.8	-55 18	10 - 55	8	+3.2	3.50	11.2	10	51.2
31.	4.5 18.5 A	R	113.5	-55 15	11 - 55	4	+3.5	3.49	12.2	10	52.2
32.	5.0 18.5 A	R	115.0	-55 30	11 - 55	19	+3.5	3.52	12.3	10	52.3
33.	5.0 18.7 S	K-H 2	150	-55 30	12 - 55	18	+3.7	3.52	13.0	10	53.0
34.	4.6 19.0 A	R	113.8	-55 18	12 - 55	6	+4.0	3.49	14.0	10	54.0
35.	4.6 19.2 A	K-H	113.8	-55 18	12 - 55	6	+4.2	3.49	14.7	10	54.7
36.	4.8 19.4 A	R	114.4	-55 24	13 - 55	11	+4.4	3.50	15.4	10	55.4
37.	4.3 19.6 A	R	112.9	-55 09	13 - 54	56	+4.6	3.48	16.0	10	56.0
38.	4.4 20.1 A	R 2	132	-55 12	14 - 54	58	+5.1	3.50	17.8 23.7	10	57.8
39.	4.4 21.8 H	R	113.2	-55 12	20 - 54	52	+6.8	3.48	23.7	11	3.7
40.	4.4 22.2 A	R	113.2	-55 12	20 - 54	52	+7.2				
41.	4.7 23.2 A	R	114.1	-55 21	24 - 54	57	+8.2	3.48	28.5	11	8.5
42.	4.8 23.3 A	R 2	144	-55 24	25 - 54	59	+8.3	3.50	29.0	11	9.0
43.	4.3 24.0 A	R 2	129	-55 09	28 - 54	51	+9.0	3.53	31.1		
44.	5.7 6.2 A	R	117.1	-55 51	28 - 55	23	-8.8	3.53	31.1	10	8.9
45.	5.2 6.8 S	K-H 3	156	-55 36	25 - 55	11	-8.2	3.50	28.7	10	11.8
46.	5.5 6.9 A	R 2	165	-55 45	25 - 55	20	-8.1	3.52	28.5	10	11.5
47.	5.1 7.0 A	R 3	153	-55 33	24 - 55	9	-8.0	3.50	28.0	10	12.0
48.	5.9 7.2 A	R	117.7	-55 57	24 - 55	33	-7.8	3.54	27.6	10	12.4
49.	6.0 7.9 F 4331	K-H 3	180	-56 0	21 - 55	39	-7.1	3.55	25.2	10	14.8
50.	5.9 8.0 A	R 2	177	-55 57	20 - 55	37	-7.0	3.54	24.8	10	15.2
51.	5.5 8.6 A	R 5	174	-55 54	19 - 55	35	-6.4	3.54	22.7	10	17.2
52.	5.6 8.7 A	R	168	-55 48	18 - 55	30	-6.3	3.53	22.2	10	17.8
53.	5.9 9.3 A	R	177	-55 57	16 - 55	41	-5.7	3.55	20.2	10	19.8
54.	6.0 10.5 A	K-H 2	180	-56 00	13 - 55	47	-4.5	3.55	16.0	10	24.0
55.	5.8 10.3 H	R	174	-55 54	13 - 55	41	-4.7	3.55	16.7	10	23.3
56.	5.7 10.7 A	R	171	-55 51	13 - 55	38	-4.3	3.55	15.3	10	24.7

A.G.C. No. R.A. Dec. Magn.
 1900 1900
 14936 10 50.4 -55 5 7 1/2

15007 10 53.8 -55 15 7 1/4 +.8 -3
 10 53.8 -55 15 7'

15120 10 56.4 -54 54 8 1/2 +0.6 -4
 15264 11 4.4 -54 49 8 3/4 +0.7 -3

15391 11 9.8 -54 36 8 1/2
~~13998~~ 10 11.4 -55 3 7.1
 13998 10 11.4 -55 3 7.1 +0.1 -8
 1400 10 11.5 -55 9 7 1/2 0.0 -11
 14004 10 11.6 -55 11 7 3/4 -0.4 +2
 14016 10 11.9 -55 36 8 -0.5 -3
 14083 10 15.0 -55 37 6.5 -0.2 -2
 14085 10 15.1 -55 32 7.2 -0.1 -5
 A.G.C. 14145 10 17.2 -55 33 5 0.0 -2
 { 14143 10 17.2 -55 33 9
 14144 10 17.2 -55 33 9

13988 10 11.4 55 3 7.1
 { 14000 10 11.5 55 9 7 1/2
 14004 10 11.6 55 11 7 3/4
 14029 10 12.2 55 1 7.2
 14083 10 15.0 55 37 6.5
 14085 10 15.1 55 32 7.2
 14145 10 17.2 55 33 5

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Plate 9431

V Hb Col. Run. Kline Int. (53)(53+30)(Cor. A) (53+30+A) (15-H)

RA $12^h 10^m$
10 40

57. 5.5 11.2 H	N 1	165-55 45 12	-55 33	-3.8	3.54	13.5	10	26.5
58. 5.1 11.3 A	N 1	153-55 33 12	-55 21	-3.7	3.52	13.0	10	27.0
59. 5.8 11.7 H	N 1	174-55 54 11	-55 43	-3.3	3.55	11.7	10	28.3
60. 5.1 11.8 A	N 1	153-55 33 11	-55 22	-3.2	3.52	11.3	10	28.7
61. 5.3 11.9 A	N 1	159-55 39 11	-55 28	-3.1	3.53	10.9	10	29.1
62. 5.1 12.1 A	N 1	153-55 33 10	-55 23	-2.9	3.53	10.2	10	29.8
63. 5.4 12.3 A	N 2	162-55 42 10	-55 32	-2.7	3.53	9.5	10	30.5
64. 5.3 12.7 A	K-H 1	159-55 39 10	-55 29	-2.3	3.53	8.1	10	31.9
65. 5.4 13.7 B 4332	N 3	162-55 42 9	-55 33	-1.3	3.54	4.6	10	35.4
66. 6.0 13.9 A	N 2	180-56 00 9	-55 51	-1.1	3.56	3.9	10	36.1
67. 5.4 14.2 B	K-H 1	162-55 42 8	-55 34	-0.8	3.54	2.5	10	37.2
68. 5.5 14.3 A	N 3	165-55 45 8	-55 37	-0.7	3.54	2.5	10	38.5
69. 5.7 14.4 A	N 1	171-55 51 8	-55 43	-0.6	3.55	2.1	10	38.9
70. 6.0 15.1 F 4333	K-H 1	180-56 00 8	-55 52	+0.1	3.56	0.4	10	40.4
71. 6.0 15.3 A	N 1	180-56 00 8	-55 52	+0.3	3.56	1.1	10	41.1
72. 5.4 15.9 H	N 1	162-55 42 8	-55 34	+0.9	3.54	3.2	10	43.2
73. 5.4 16.7 A	N 2	162-55 42 9	-55 33	+1.7	3.54	6.0	10	46.0
74. 5.8 17.1 F 4334	K-H 1	174-55 54 9	-55 45	+2.1	3.55	7.5	10	47.5
75. 5.7 17.5 A	N 1	171-55 51 9	-55 41	+2.5	3.55	8.9	10	48.9
76. 5.8 17.9 A	N 1	174-55 54 10	-55 44	+2.9	3.55	10.3	10	50.3
77. 6.0 18.8 H	N 1	180-56 00 12	-55 48	+3.8	3.56	13.5	10	53.5
78. 5.9 19.2 A	N 3	177-55 57 12	-55 45	+4.2	3.55	14.9	10	54.9
79. 5.3 19.9 dia.	N 1	159-55 39 14	-55 25	+4.9	3.53	17.3	10	57.3
80. 5.5 20.7 A	N 1	165-55 45 16	-55 29	+5.7	3.53	20.1	11	0.1
81. 5.5 21.1 A	N 1	165-55 45 17	-55 28	+6.1	3.53	21.5	11	1.5
82. 6.0 22.0 B	K-H 1	180-56 00 20	-55 59	+7.0	3.55	24.8	11	4.8
83. 5.9 23.3 A	N 2	177-55 57 25	-55 52	+8.3	3.53	29.3	11	9.3
84. 5.3 23.5 A	N 2	159-55 39 25	-55 14	+8.5	3.51	29.8	11	9.8

R.G. Nr. R.A. Dec. Magn.

✓ ✓ ✓ ✓ ✓ ✓
14571 10 35.4-55 28 $7\frac{3}{4}$ 90 -5

~~14624 10 37.5-55 33 $7\frac{1}{2}+0.3$ -1~~

✓ ✓ ✓ ✓ ✓ ✓
14571 10 35.4-55 28 $7\frac{3}{4}$

✓ ✓ ✓ ✓ ✓ ✓
14624 10 37.5-55 33 $7\frac{1}{2}$

15105 10 57.9-55 22 $8\frac{1}{2}+0.6$ -3

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Plate 9431

V-Hb Cl. ^{Mr.} *Rein. Klein* Int. (53) (53+30) (Cor. B) (53+30) (15-H)K.A. 19⁰⁰
10⁴⁰ min.

85. 5.9 23.8 A	N 2 177-55° 57' 27	-55 30 +8.8	3.53	31.1	11	11.1
86. 6.2 6.0 A	N 1 186-56 06 28	-55 38 -9.0	3.55	32.0	10	8.0
87. 6.5 6.3 A	N 2 195-56 15 28	-55 47 -8.7	3.55	30.9	10	9.1
88. 6.6 6.9 H	N 1 198-56 18 24	-55 54 -8.1	3.57	28.9	10	11.1
89. 7.0 7.0 A	N 2 210-56 30 24	-56 6 -8.0	3.59	28.7	10	11.3
90. 6.2 7.1 H	N 1 186-56 06 24	-55 42 -7.9	3.55	28.0	10	12.0
91. 6.6 7.4 A	N 1 198-56 18 23	-55 55 -7.6	3.57	27.1	10	12.9
92. 6.1 7.5 A	N 1 183-56 03 23	-55 40 -7.5	3.55	26.6	10	13.4
93. 7.0 8.0 A	K-H 2 210-56 30 20	-56 10 -7.0	3.59	25.1	10	14.9
94. 7.0 8.4 A	N 2 210-56 30 19	-56 11 -6.6	3.59	23.7	10	16.3
95. 6.8 8.6 A	N 2 204-56 24 19	-56 5 -6.4	3.59	23.0	10	17.0
96. 6.4 8.8 A	N 1 192-56 12 18	-55 54 -6.2	3.57	22.1	10	17.9
97. 6.3 9.6 A	N 1 189-56 09 15	-55 54 -5.4	3.57	19.3	10	20.7
98. 6.9 10.0 A	N 2 207-56 27 14	-56 13 -5.0	3.60	18.0	10	22.0
99. 6.8 10.7 A	N 1 204-56 24 13	-56 11 -4.3	3.59	15.4	10	24.6
100. 7.0 10.8 A	N 1 210-56 30 13	-56 17 -4.2	3.60	15.1	10	24.9
101. 6.7 10.9 A	N 1 201-56 21 13	-56 8 -4.1	3.59	14.7	10	25.3
102. 6.7 11.0 A	N 1 201-56 21 12	-56 9 -4.0	3.59	14.4	10	25.6
103. 6.9 11.2 A	N 1 207-56 27 12	-56 15 -3.8	3.60	13.7	10	26.3
104. 7.0 11.8 E	K-H 1 210-56 30 11	-56 19 -3.2	3.61	11.6	10	28.4
105. 6.6 12.5 <i>Mar</i>	N 1 198-56 18 10	-56 8 -2.5	3.59	9.0	10	31.0
106. 6.1 13.1 A	K-H 1 183-56 03 9	-55 54 -1.9	3.57	6.8	10	33.2
107. 6.3 13.7 A	N 1 189-56 09 9	-56 00 -1.3	3.58	4.7	10	35.3
108. 6.5 13.8 A	N 1 195-56 15 9	-56 6 -1.2	3.59	4.3	10	35.7
109. 6.7 13.9 A	N 1 201-56 21 8	-56 13 -1.1	3.60	4.0	10	36.0
110. 6.9 14.1 A	N 1 207-56 27 8	-56 19 -0.9	3.61	3.2	10	36.8
111. 6.3 14.4 E	K-H 1 189-56 09 8	-56 1 -0.6	3.58	2.1	10	37.9
112. 6.4 14.6 H	N 1 192-56 12 8	-56 4 -0.4	3.59	1.4	-10	38.6

Alg.	R.A. 1900	Dec. 1900	Magn.
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14016	10	11.9 -55 36	8 -1 -6
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14079	10	14.8 -56 4	8 1/2 -0.1 -6
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2 14990	10	11.2 55 45	7 3/4
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14016	10	11.9 55 36	8
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14079	10	14.8 56 4	8 1/2
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14141	10	17.1 56 0	8 1/4
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13951	10	9.8 56 5	7 1/4
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No. S.m.P.
S.m.P. magn.

Plate 9431

V 16 Cl. Rem. Kline D (K3) (53+38) (60+8) (53+38+A) (15-H)

RA $10^{\circ} 40'$

113.	6.5	14.7	H	N 1	195	56	15	8	56	7	-0.3	3.59	1.1	10	38.9	
114.	6.0	16.6	A	N 2	180	56	00	9	55	51	+1.6	3.56	5.7	10	45.7	
? 115.	6.9	15.0	A	N 2	207	56	27	8	56	19	0.0	3.61	0.0	10	40.0	
116.	6.3	15.2	A	N 1	189	56	09	8	56	1	+0.2	3.58	0.7	10	40.7	
117.	6.9	15.4	A	N 2	207	56	27	8	56	19	+0.4	3.61	1.4	10	41.4	
118.	6.9	15.5	A	N 1	207	56	27	8	56	19	+0.5	3.61	1.8	10	41.8	
X 3499 5.47	X 119.	6.8	15.7	A Br. 4.7	N 4	204	56	24	8	56	16	+0.7	3.60	2.5	10	42.5
	120.	6.4	15.9	A	N 1	192	56	12	8	56	4	+0.9	3.59	3.2	10	43.2
	121.	6.6	16.1	A	N 2	198	56	18	8	56	10	+1.1	3.59	3.9	10	43.9
	122.	6.3	16.5	A	N 1	189	56	09	9	56	00	+1.5	3.58	5.4	10	45.4
	123.	6.5	17.0	A	N 2	195	56	15	9	56	6	+2.0	3.59	7.2	10	47.2
	124.	6.5	17.1	A	N 1	195	56	15	9	56	6	+2.1	3.59	7.5	10	47.5
	125.	6.2	17.5	K	K-H 3	186	56	06	10	55	56	+2.5	3.57	8.9	10	48.9
	126.	6.3	18.2	A	N 1	189	56	09	10	55	59	+3.2	3.58	11.5	10	51.5
	127.	6.8	18.8	H	N 1	204	56	24	12	56	12	+3.8	3.59	13.6	10	53.6
	128.	6.7	19.2	E	K-H 1	201	56	21	12	56	9	+4.2	3.59	15.1	10	55.1
	129.	6.8	19.4	A	N 2	204	56	24	13	56	11	+4.4	3.59	15.8	10	55.8
	130.	6.9	19.4	A	N 2	207	56	27	13	56	14	+4.4	3.60	15.8	10	55.8
	131.	6.1	19.6	H	N 1	183	56	03	13	55	50	+4.6	3.56	16.4	10	56.4
	132.	7.0	19.6	A	N 3	210	56	30	13	56	17	+4.6	3.60	16.6	10	56.6
	133.	6.7	19.7	A	N 2	201	56	21	13	56	8	+4.7	3.59	16.9	10	56.9
	134.	6.3	19.9	A	N 2	189	56	09	14	55	55	+4.9	3.57	17.5	10	57.5
	135.	7.0	20.0	A	N 2	210	56	30	14	56	16	+5.0	3.60	18.0	10	58.0
	136.	6.1	20.1	H	N 1	183	56	03	14	55	49	+5.1	3.56	18.2	10	58.2
	137.	6.4	20.7	F 4335 K-H	1	192	56	12	16	55	56	+5.7	3.57	20.3	11	0.3
	138.	6.5	21.0	A	N 1	195	56	15	17	55	56	+6.0	3.58	21.5	11	1.5
	139.	6.9	21.4	A	N 2	207	56	27	19	56	8	+6.4	3.59	23.0	11	3.0
	140.	6.6	21.7	E	K-H 1	198	56	18	19	55	59	+6.7	3.58	24.0	11	4.0

A.G.C. No.	R.A. 1900	Dec. 1900	Magn.
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A.G.C.	1476710	42.9 - 56	14 5.8
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1476710	42.956	14 5.8
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1508610	57.1 - 56	14 7 ³ / ₄ - 0.9 - 2
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Plate 9431

V 16 bl. Quin. Kline In (2x3) (53+38) Cor. A. (53+38+13)(15-H)

(K.A. 1900)
10^h 40^m

141.	7.0	22.0	F 4336	K=H 1	210	56	30	20	56	10	+7.0	3.59	25.1	11	5.1
142.	6.7	22.2	A	N 1	201	56	21	21	56	00	+7.2	3.58	25.6	11	5.8
143.	6.8	22.8	A	N 1	204	56	24	23	56	00	+7.8	3.58	27.9	11	7.9
144.	6.5	23.0	H	K=H 1	195	56	15	24	55	51	+8.0	3.56	28.5	11	8.5
145.	7.0	23.5	A	N 1	210	56	30	25	56	5	+8.5	3.59	30.5	11	10.5
146.	7.5	5.6	ma	N 1	225	56	45	30	56	15	-9.4	3.60	33.8	10	6.2
147.	7.7	5.7	A	N 2	231	56	57	30	56	21	-9.3	3.61	33.6	10	6.4
148.	7.2	6.6	I	K=H 3	216	56	36	26	56	10	-8.4	3.59	30.2	10	9.8
149.	7.9	7.0	H	N 1	237	56	57	24	56	33	-8.0	3.63	29.0	10	11.0
150.	7.2	8.2	A	K=H 1	216	56	36	20	56	16	-6.8	3.60	24.5	10	15.5
151.	8.0	8.5	F 4337	K=H 1	240	57	00	19	56	41	-6.5	3.64	23.7	10	16.3
152.	7.4	8.6	A	N 2	222	56	42	19	56	23	-6.4	3.61	23.1	10	16.9
153.	8.0	8.9	A	N 1	240	57	00	18	56	42	-6.1	3.64	22.2	10	17.8
154.	7.4	9.7	A	K=H 1	222	56	42	15	56	27	-5.3	3.61	19.1	10	20.9
155.	7.8	9.9	A	N 2	234	56	54	14	56	40	-5.1	3.64	18.6	10	21.4
156.	7.4	9.9	A	N 1	222	56	42	14	56	28	-5.1	3.62	18.5	10	21.5
157.	7.9	10.3	A	N 1	237	56	57	14	56	43	-4.7	3.65	17.2	10	22.8
158.	7.7	10.5	A	N 1	231	56	51	13	56	38	-4.5	3.64	16.4	10	23.6
159.	8.0	10.5	A	N 2	240	57	00	13	56	47	-4.5	3.65	16.4	10	23.6
160.	7.9	10.7	A	N 3	237	56	57	13	56	44	-4.3	3.65	15.7	10	24.3
161.	7.4	10.9	A	N 1	222	56	42	12	56	30	-4.1	3.62	14.8	10	25.2
162.	7.2	11.0	A	N 1	216	56	36	12	56	24	-4.0	3.61	14.4	10	25.6
163.	8.0	10.9	I	K=H 3	240	57	00	12	56	48	-4.1	3.65	15.0	10	25.0
164.	8.0	11.1	A	N 1	240	57	00	12	56	48	-3.9	3.65	14.2	10	25.8
165.	8.0	11.2	A	N 1	240	57	00	12	56	48	-3.8	3.65	13.9	10	26.1
166.	7.6	11.3	B 4338	N 3	228	56	48	12	56	36	-3.7	3.63	13.4	10	26.6
167.	7.4	12.4	I	K=H 2	222	56	42	10	56	32	-2.6	3.62	9.4	10	30.6
168.	7.9	13.4	B 4339	N 3	237	56	57	9	56	48	-1.6	3.65	5.8	10	34.2

Abb. no.	RA. 1900	Dec. 1900	Magn.						
13876	10 6.1	-56 9	8 1/2	-0.1	-6				
13884	10 6.3	-56 15	8	-0.1	-6				
13951	10 9.8	-56 5	7 1/4	0.0	-5				
14307	10 243	-56 42	7 1/4	0.0	-0.2	14307	10 243	56 42	7 1/4
14325	10 250	-56 44	7 1/4	0.0	-4	14325	10 250	56 44	7 1/4
14349	10 265	-56 34	6.7	-0.1	-2	14349	10 265	56 34	6.7
14536	10 342	-56 44	6.6	0.0	-4	14536	10 342	56 44	6.6

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Plate 743

Orb. Bl. Perm. 1.5 line in (Kx3)(53+38) Lema (53+38) A (15-H)

K A 1900
10^h 40^m

169.	7.2 14.0 A	N	(216 56 36 8	56 28	-1.0	362	36	10	36.4
170.	7.8 14.1 S	K=H 2	234 56 54 8	56 46	-0.9	365	33	10	36.7
171.	7.9 14.3 A	N 2	237 56 57 8	56 49	-0.7	365	26	10	37.4
172.	8.0 14.3 A	N 2	240 57 00 8	56 52	-0.7	365	26	10	37.4
173.	7.4 14.5 A	N 2	232 56 52 8	56 44	-0.5	365	18	10	38.2
174.	7.1 14.7 B 43 40	N 3	213 56 38 8	56 25	-0.3	361	1.1	10	38.9
175.	7.9 14.9 A	N 1	237 56 57 8	56 49	-0.1	365	0.4	10	39.6
176.	7.1 14.8 A	N 1	213 56 33 8	56 25	-0.2	361	0.7	10	39.3
177.	7.6 15.1 A	N 1	228 56 48 8	56 40	+0.1	364	0.4	10	40.4
178.	7.4 15.3 A	N 1	222 56 42 8	56 34	+0.3	363	1.1	10	41.1
179.	7.2 15.4 A	N 2	216 56 36 8	56 28	+0.4	362	1.4	10	41.4
180.	7.9 15.7 B 43 41	N 2	237 56 57 8	56 49	+0.7	365	2.6	10	42.6
181.	7.4 16.1 A	N 2	222 56 42 8	56 34	+1.1	363	4.0	10	44.0
182.	7.9 16.2 A	N 2	237 56 57 8	56 49	+1.2	365	4.4	10	44.4
183.	7.9 16.9 A	N 2	237 56 57 9	56 48	+1.9	365	6.9	10	46.9
184.	7.8 17.0 A	K=0.5H 3	234 56 54 9	56 45	+2.0	365	7.3	10	47.3
185.	7.1 17.1 A	N 2	213 56 33 9	56 24	+2.1	361	7.6	10	47.6
186.	7.7 17.2 A	Ob. Br. 5.0 434 2 K=0.5H 3	231 56 51 9	56 42	+2.2	364	8.0	10	48.0
187.	7.6 17.3 A	Ob. Br. 4.6 N 2	228 56 48 9	56 39	+2.3	364	8.4	10	48.4
188.	7.2 17.7 A	N 1	216 56 36 10	56 26	+2.7	361	9.7	10	49.7
189.	7.6 17.7 F 43 43	K=H 1	228 56 48 10	56 38	+2.7	364	9.8	10	49.8
190.	7.1 18.1 A	N 1	213 56 33 10	56 23	+3.1	361	11.2	10	51.2
191.	7.1 18.3 H	N 1	213 56 33 11	56 22	+3.3	361	11.9	10	51.9
192.	7.2 18.4 A	N 1	216 56 36 11	56 25	+3.4	361	12.3	10	52.3
193.	7.5 18.5 A	N 1	225 56 45 11	56 34	+3.5	363	12.7	10	52.7
194.	7.4 18.9 A	N 1	222 56 42 12	56 30	+3.7	362	13.4	10	53.4
195.	7.8 18.1 A	K=H 1	234 56 54 10	56 44	+3.1	365	11.3	10	51.3
196.	7.2 19.0 A	N 1	216 56 36 12	56 24	+4.0	361	14.4	10	54.4

Q.L.6 or. R.A. Dec. Magn.
1900 1900

14600 10 36.7-56 40 8 1/4 0.0-6
14613 10 37.2-56 44 8 -0.2-5

14650 ✓ 10 ✓ 38.7-56 ✓ 21 ✓ 7.5 ✓ -0.2-4

14600 10 36.7 56 40 8 1/4
14613 10 37.2 56 44 8

14650 ✓ 10 ✓ 38.7 56 ✓ 21 ✓ 7.5 ✓

14773 ✓ 40.3 ✓ 48 ✓
~~14762 10 40.6 56 56 7.5~~

14
14861 10 47.7 56 45 7.1

~~14861 10 47.7-56 45 7.1 -0.3-3~~

14886 10 48.4 56 43 6.0

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Plate 9431

8 Ho Cl. Run. Kline In (73) (53+3V) Corr. A. (53+3V+A) (15-H)

R.A. 1900
10h 40m

197.	8.0 19.7 A	N 2	240 54 00 14	56 46	+4.7 365	17.2	10	57.2
198.	7.6 20.5 A	N 1	228 56 48 16	56 32	+5.5 362	19.9	10	59.9
199.	7.4 20.8 E	K-H 2	222 56 42 17	56 25	+5.8 361	20.9	11	0.9
200.	7.7 21.6 A 4344	N 3	231 56 51 20	56 31	+6.6 362	23.9	11	3.9
201.	7.4 21.8 A	N 1	222 56 42 20	56 22	+6.8 361	24.5	11	4.5
202.	8.0 22.5 A	N 2	240 54 00 22	56 38	+7.5 364	27.3	11	7.3
203.	7.5 22.7 A	N 2	225 56 45 23	56 22	+7.7 361	27.8	11	7.8
204.	7.8 22.9 A	N 3	234 56 54 24	56 30	+7.9 362	28.6	11	8.6
205.	8.8 5.4 A	N 2	264 57 24 32	56 52	-9.6 365	35.0	10	5.0
206.	8.7 6.0 H	N 1	261 57 21 28	56 53	-9.0 366	32.9	10	7.1
207.	9.0 6.8 A	N 1	270 57 30 25	57 5	-8.2 368	30.2	10	9.8
208.	8.2 7.3 A	N 1	246 57 06 23	56 43	-7.7 365	28.1	10	11.9
209.	8.7 7.3 A	N 1	261 57 21 23	56 58	-7.7 367	28.3	10	11.7
210.	8.7 7.5 E	K-H 1	261 57 21 22	56 59	-7.5 367	27.5	10	12.5
211.	8.8 8.2 F 4345	K-H 2	264 57 24 20	57 4	-6.8 366	25.0	10	15.0
212.	8.7 8.5 E	K-H 1	261 57 21 19	57 2	-6.5 367	23.9	10	16.1
213.	8.8 8.6 F 4346	K-H 2	264 57 24 19	57 5	-6.4 368	23.6	10	16.4
214.	8.1 8.7 B 4347	N 2	243 57 03 16	56 45	-6.3 365	23.0	10	17.0
215.	9.0 9.4 F 4348	K-H 1	270 57 30 16	57 14	-5.6 369	20.7	10	19.8
216.	8.6 9.7 A	N 2	258 57 18 15	57 3	-5.3 368	19.5	10	20.5
217.	8.3 10.3 A 4349	N 1	249 57 09 14	56 55	-4.7 366	17.2	10	22.8
218.	8.8 10.5 A 4350	N 2	264 57 24 13	57 11	-4.5 369	16.6	10	23.4
219.	8.7 10.6 F 4351	K-H 4	261 57 21 13	57 8	-4.4 369	16.2	10	23.8
220.	8.8 11.1 F 4352	K-H 1	264 57 24 12	57 12	-3.9 369	14.4	10	25.6
221.	8.6 11.2 A	N 2	258 57 18 12	57 6	-3.8 368	14.0	10	26.0
222.	8.6 11.4 H	N 2	258 57 18 12	57 6	-3.6 368	13.2	10	26.8
223.	8.7 11.5 F 4353	K-H 2	261 57 21 11	57 10	-3.5 369	12.9	10	27.1
224.	8.2 11.7 A	N 2	246 57 06 11	56 55	-3.3 366	12.1	10	27.9

a.b. Nr. R.A. Dec. Magn.

15268 11 44-56 31 7 +5 0

13870 10 6.0-57 1 -1.1 +8

13958 10 9.9-57 11 9 1/4 +0.1 +6

14076 10 14.7-56 57 8 3/4 -0.3 -7

14117 10 16.2-57 1 8 1/4

14138 10 16.9-56 40 8 1/2 -0.1 -5

14285 10 23.2-57 6 7 3/4 -0.2 -5

14358 10 27.0-57 5 8 1/4 -0.1 -5

? 14030 10 12.3-56 52 7 1/2

14076 10 14.7-56 57 8 3/4

14117 10 16.2-57 1 8 1/4

14138 10 16.9-56 40 8 1/2

14285 10 23.2-57 6 7 3/4

14295 10 23.7-57 8 5 1/4

{ 14358 10 27.0-57 5 8 1/4

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Plate 9431

V-Hb Cl. Rem. K-line In (53+30) (Clear. C) (53+30+R) (15-H)

RA. 19⁰⁰
10⁰⁰ 40⁰⁰

225.	8.6 12.8 ² H	K=H 1	258 57 18 10	57 8	-2.8 369	10.3	10	29.7
226.	8.2 12.5 ² F 4354	K=H 1	246 57 06 10	56 56	-2.5 366	9.2	10	30.8
227.	8.8 12.7 ² G	K=H 2	264 57 24 10	57 14	-2.3 369	8.5	10	31.5
228.	8.9 12.7 ² A	N 2	270 57 30 10	57 20	-2.3 370	8.5	10	31.5
X 3428-4.55	229. 8.4 12.8 ² K ^{5.2} 5.6	K=H 1	252 57 12 9	57 3	-2.2 368	8.1	10	31.9
230.	9.0 13.0 ² F 4355	K=H 1	270 57 30 9	57 21	-2.0 370	7.4	10	32.6
231.	8.3 13.6 ² A	K=H 2	249 57 09 9	57 00	-1.4 367	5.1	10	34.9
232.	9.0 13.7 ² F 4356	K=H 1	270 57 30 9	57 21	-1.3 370	4.6	10	35.2
233.	8.3 13.9 ² A	N 2	249 57 09 8	57 01	-1.1 367	4.0	10	36.0
234.	8.5 14.2 ² F 4357	K=H 2	255 57 15 8	57 7	-0.8 368	2.9	10	37.1
235.	8.5 14.4 ² A	N 1	255 57 15 8	57 7	-0.6 368	2.2	10	37.8
236.	8.6 14.6 ² A	N 1	258 57 18 8	57 10	-0.4 369	1.5	10	38.5
237.	8.9 14.8 ² F 4358	K=H 1	267 57 27 8	57 19	-0.2 370	0.7	10	39.3
238.	8.8 15.0 ² A	N 2	264 57 24 8	57 16	0.0 369	0.0	10	40.0
239.	8.4 15.1 ² H	K=H 2	252 57 12 8	57 4	+0.1 368	0.4	10	40.4
240.	8.8 15.2 ² H	K=H 2	264 57 24 8	57 16	+0.2 369	0.7	10	40.7
241.	8.1 15.4 ² A	N 1	243 57 03 8	56 55	+0.4 366	1.5	10	41.5
242.	8.5 15.5 ² F 4359	K=H 1	255 57 15 8	57 7	+0.5 368	1.8	10	41.8
243.	8.5 15.7 ² A	N 2	255 57 15 8	57 7	+0.7 368	2.6	10	42.6
244.	8.3 15.9 ² A	K=H 3	249 57 09 8	57 1	+0.9 367	3.3	10	43.3
245.	8.5 16.0 ² A	N 1	255 57 15 8	57 7	+1.0 368	3.7	10	43.7
246.	8.7 16.1 ² A	K=H 2	261 57 21 8	57 13	+1.1 369	4.1	10	44.1
247.	8.8 16.2 ² A	N 1	264 57 24 8	57 16	+1.2 369	4.4	10	44.4
248.	8.1 16.4 ² A	N 1	243 57 03 8	56 55	+1.4 366	5.1	10	45.1
249.	8.9 16.9 ² A	N 1	267 57 27 9	57 18	+1.9 370	7.0	10	47.0
250.	8.9 17.3 ² A	K=H 2	267 57 27 9	57 18	+2.3 370	8.5	10	48.5
251.	8.7 17.7 ² A	N 1	261 57 21 10	57 11	+2.7 369	10.0	10	50.0
1 0 0	252. 8.4 18.2 ² A 4360	N 2	252 57 12 10	57 2	+3.2 367	11.7	10	51.7

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

14461 10 31.3-57 10 $7\frac{1}{2}$ -0.2-4

14458 10 31.3-57 19 $8\frac{1}{2}$ -0.2-1

14478 10 31.8-57 3 .5.3 -0.1 0

14458 10 31.3 57 19 $8\frac{1}{2}$

14478 10 31.8 57 3 5.3

14701 10 40.6-57 3 $7\frac{3}{4}$ +0.2 -1

14701 10 40.6 57 3 $7\frac{3}{4}$

14780 10 43.5-56 57 $7\frac{3}{4}$ +0.2 -4

14782 10 43.6 56 56 7

14880 10 44.6 57 9 $7\frac{1}{2}$

~~14810 10 44.7-59 2 $8\frac{1}{4}$ 0.4~~

Plate 24316m.

November 25-1893

23 20

V Hb Cl. Chem. H. line Ind (23)(53+30) Cma. (53+30+R) (15-H)

R.A. 19^h 40^m

253.	8.5 18.4 A	N	1	255	57 15 11	57 4	+3.4	3.68	12.5	10	52.5
254.	8.4 18.5 A	N	1	252	57 12 11	57 1	+3.5	3.67	12.8	10	52.8
255.	8.1 18.7 A	N	2	243	57 03 12	56 52	+3.7	3.65	13.5	10	53.5
256.	9.0 18.6 A	N	1	270	57 30 11	57 19	+3.6	3.70	13.3	10	53.3
257.	8.0 18.9 A	N	1	240	57 00 12	56 48	+3.9	3.65	14.2	10	54.2
258.	8.7 19.0 A	K=H	2	2261	57 21 12	57 9	+4.0	3.69	14.8	10	54.8
259.	8.5 19.3 A	N	2	255	57 15 13	57 2	+4.3	3.67	15.8	10	55.8
260.	8.8 19.4 A	N	1	264	57 24 13	57 11	+4.4	3.69	16.2	10	56.2
261.	8.0 19.7 A	N	2	240	57 00 12	56 48	+3.7	3.65	13.5	10	53.5
262.	8.6 19.8 A	N	1	258	57 18 14	57 4	+4.8	3.68	17.7	10	57.7
263.	8.5 20.2 A	N	1	255	57 15 15	57 0	+5.2	3.67	19.1	10	59.1
264.	9.0 20.3 A	N	1	270	57 30 15	57 15	+5.3	3.69	19.6	10	59.6
265.	8.1 21.2 H	N	1	243	57 03 18	56 45	+6.2	3.65	22.6	11	2.6
266.	8.7 21.4 A	N	1	261	57 21 19	57 2	+6.4	3.67	23.5	11	3.5
267.	8.3 21.6 A	K=H	2	249	57 09 19	56 50	+6.6	3.65	24.1	11	4.1
268.	8.1 21.9 A	N	1	243	57 03 20	56 43	+6.9	3.65	25.2	11	5.2
X 269.	8.4 23.5 A	N	3	252	57 12 26	56 46	+8.5	3.65	31.0	11	11.0
270.	9.0 23.4 A	K=H	1	270	57 30 25	57 5	+8.4	3.68	30.9	11	10.9
271.	8.7 23.8 A	N	1	261	57 21 27	56 54	+8.8	3.66	32.2	11	12.2
272.	9.7 5.6 A	N	1	291	57 51 31	57 20	+9.4	3.70	34.8	11	14.8
273.	7.2 5.8 A	N	1	276	57 36 29	57 7	+9.2	3.66	33.9	11	13.9
274.	7.1 6.1 A	N	1	273	57 33 28	57 5	+8.9	3.68	32.8	11	12.8
X 275.	10.0 6.6 B 4361	N	3	300	58 00 26	57 34	-8.4	3.73	31.3	10	8.7
276.	9.4 7.0 A	N	2	282	57 42 24	57 18	-8.0	3.70	29.6	10	10.4
277.	9.4 7.1 A	N	1	282	57 42 24	57 18	+7.9	3.70	29.2	10	10.8
278.	9.7 7.3 A	N	1	291	57 51 23	57 28	+7.7	3.72	28.6	10	11.4
279.	9.6 7.4 A	N	1	288	57 48 23	57 25	+7.6	3.71	28.2	10	11.8
280.	9.6 7.6 H	K=H	1	288	57 48 22	57 26	+7.4	3.71	27.5	10	12.5
1 0 0 281.	9.7 7.9 A	N	1	291	57 51 20	57 31	+7.1	3.72	2.64	10	13.6

a.g.b. nr. RA. Dec. Magn.

14974 10 523-57 1 10 -0.5 0

AGB. 15423 11 11.3 -56 48 7.0 +3 +2

15420 11 11.1 -56 7 9/4 +2 +2

15423 11 11.3 -56 48 7.0

13925 10 8.3 -57 34 6.4 +4 0

13965 10 10.2 -57 13 8/4 -0.2 -5

13925 10 8.3 -57 34 6.4

13958 10 9.9 -57 11 9/4

13965 10 10.2 -57 13 8/4

Nov. 25, 1893

Plate 9431

816 Bl. Reim. K. line in (3X)(53+38) Core A (53+38+A)(15-H)

ra 1900
10^h 40^m

282.	10.0 7.9 A	N 1	300	58° 00' 20	57° 40'	-7.1	374	26.6	1.0	13.4
283.	9.3 8.4 A	N 1	279	57° 39' 19	57° 20'	-6.6	370	24.4	1.0	15.6
284.	10.0 8.7 A	N 1	300	58° 00' 19	57° 41'	-6.3	374	23.6	1.0	16.4
285.	9.1 8.7 A	N 2	273	57° 33' 19	57° 14'	-6.3	369	23.2	1.0	16.8
286.	9.2 8.9 A 4362	K=H 1	276	57° 36' 18	57° 18'	-6.1	370	22.6	1.0	17.4
287.	9.6 9.1 A	N 1	288	57° 48' 17	57° 31'	-5.9	372	21.9	1.0	18.1
288.	9.5 9.2 A	N 1	285	57° 45' 16	57° 29'	-5.8	372	21.6	1.0	18.4
289.	9.7 9.5 B	K=H 1	291	57° 51' 16	57° 35'	-5.5	373	20.5	1.0	19.5
290.	9.5 9.7 K	K=H 3	285	57° 45' 15	57° 30'	-5.3	372	19.7	1.0	20.3
291.	10.0 10.8 A	N 1	300	58° 00' 13	57° 47'	-4.2	375	15.6	1.0	24.2
292.	9.6 11.1 B	K=H 1	288	57° 48' 12	57° 36'	-3.9	373	14.5	1.0	25.5
293.	9.5 11.7 A	N 2	285	57° 45' 11	57° 34'	-3.3	373	12.3	1.0	27.7
294.	9.9 11.9 B	K=H 2	297	57° 57' 11	57° 46'	-3.1	375	11.6	1.0	28.4
295.	9.7 12.2 A 4363	N 2	291	57° 51' 10	57° 41'	-2.8	374	10.5	1.0	29.5
296.	9.7 12.3 A 4364	K=0.5H 3	291	57° 51' 10	57° 41'	-2.7	374	10.1	1.0	29.9
297.	9.7 12.7 B 4365	N 2	291	57° 51' 10	57° 41'	-2.3	374	8.6	1.0	31.4
298.	9.7 12.9 A 4366	N 4	291	57° 51' 9	57° 42'	-2.1	374	7.9	1.0	32.1
299.	9.8 13.0 A 4367	N 4	294	57° 54' 9	57° 45'	-2.0	375	7.5	1.0	32.5
300.	9.7 13.0 A 4368	N 4	291	57° 51' 9	57° 42'	-2.0	374	7.5	1.0	32.5
301.	9.3 13.1 A	N 1	279	57° 39' 9	57° 30'	-1.9	372	7.1	1.0	32.9
302.	9.9 13.1 A	N 1	297	57° 57' 9	57° 48'	-1.9	376	7.1	1.0	32.9
303.	10.0 13.2 A	N 1	300	58° 00' 9	58° 51'	-1.8	376	6.8	1.0	33.2
304.	9.3 13.4 A	N 1	279	57° 39' 9	57° 30'	-1.6	372	6.0	1.0	34.0
305.	9.9 13.5 A	N 2	297	57° 57' 9	57° 48'	-1.5	376	5.6	1.0	34.4
306.	9.6 13.8 A	N 2	288	57° 48' 8	57° 40'	-1.2	374	4.5	1.0	35.5
307.	9.1 14.2 A 4369	N 2	273	57° 33' 8	57° 25'	-0.8	371	3.0	1.0	37.0
308.	9.5 14.4 A	N 1	285	57° 45' 8	57° 37'	-0.6	373	2.2	1.0	37.6
309.	9.5 14.6 A	N 1	285	57° 45' 8	57° 37'	-0.4	373	1.5	1.0	38.5

* Spectrum affected by star immediately following Mrs. F. says so it is taken out of cat. of 13 stars

A.G.B. Nr. R.A. Dec. Magn.

14218 10 202-57 27 7 -0.1-3

14218 10 202 57 27 7

14367 10 274-57 32 8 1/4 -0.3-2

14367 10 274 57 32 8 1/4

14411 ✓ 10 ✓ 294-57 ✓ 40 ✓ 8 1/2 -0.1-1.

14411 ✓ 10 ✓ 294 57 ✓ 40 ✓ 8 1/2

14417 ✓ 10 ✓ 296-57 ✓ 41 ✓ 6.8 -0.3 0

14417 ✓ 10 ✓ 296 57 ✓ 41 ✓ 6.8

14474 10 316 57 41 9

14483 10 318-57 41 7 1/4 -0.3-1

14483 10 318 57 41 7 1/4

14485 10 319-57 44 7 1/2 -0.6-1

14485 10 319 57 44 7 1/2

14499 10 324-57 46 7 1/2 -0.1+1

14489 10 320-57 43 7 1/2 -0.5+1

14489 10 320 57 43 7 1/2

14490 10 321-57 42 8 1/2 -0.8-6

14494 10 323-57 42 9 1/2 -0.6-6

14515 10 330-57 47 9 -0.2-4

14545 10 344-57 46 8 1/2 0.0-2

14612 10 370 57 25 7.6

14643 10 384-58 37 9 1/2 -0.1 0

Nov. 25, 1893 - 5'

m
-0.6

Plate 9431

Limit 7. Br

V. H. Bl. ^{my} K. line Int

(3x17)(53+37)(Cor. A)(53+37+8)(15-H)

R. A. 1900
10h. 40m

310.	10.0	14.8	E	K-H 1	300	58	00	8	57	52	-0.2	3.76	0.6	10	39.2
311.	9.6	15.9	A	N 1	288	57	48	8	57	40	-0.1	3.74	0.4	10	39.6
312.	9.6	15.2	B	K-H 2	288	57	48	8	57	40	+0.2	3.74	0.7	10	40.7
313.	9.3	15.7	A	N 1	279	57	39	8	57	31	+0.7	3.72	2.6	10	42.6
314.	9.4	15.7	A	N 1	282	57	42	8	57	34	+0.7	3.73	2.6	10	42.6
315.	9.5	15.8	A	N 1	285	57	45	8	57	37	+0.8	3.73	3.0	10	43.0
316.	9.8	16.0	A	N 1	294	57	54	8	57	46	+1.0	3.75	3.8	10	43.8
317.	9.7	16.1	A	N 1	291	57	51	8	57	43	+1.1	3.75	4.1	10	44.1
318.	9.3	16.3	A	N 2	279	57	39	8	57	31	+1.3	3.72	4.8	10	44.8
319.	9.1	16.5	A	N 1	273	57	33	9	57	24	+1.5	3.71	5.6	10	45.6
320.	10.0	16.8	H	N 1	300	58	00	9	57	51	+1.8	3.76	6.8	10	46.8
321.	9.6	17.0	A	N 1	294	57	54	9	57	45	+2.0	3.75	7.5	10	47.5
322.	9.8	17.2	A	K-H 3	294	57	54	9	57	45	+2.2	3.75	8.2	10	48.2
323.	9.4	17.2	A	N 1	282	57	42	9	57	33	+2.2	3.72	8.2	10	48.2
324.	9.8	17.5	A	N 1	294	57	54	10	57	44	+2.5	3.75	9.4	10	49.4
325.	9.5	18.6	A	N 2	285	57	45	11	57	34	+3.6	3.73	13.4	10	53.4
326.	9.4	18.2	ma	N 2	282	57	42	10	57	32	+3.2	3.72	11.9	10	51.9
327.	9.3	18.6	A	N 2	279	57	39	11	57	28	+3.6	3.72	13.4	10	53.4
328.	9.3	18.8	A	K-0.2H 3	279	57	39	12	57	27	+3.8	3.71	14.1	10	54.1
329.	9.7	19.0	A	K-H 1	291	57	51	12	57	39	+4.0	3.74	15.0	10	55.0
330.	9.8	18.8	A	N 1	294	57	54	12	57	42	+3.8	3.74	14.2	10	54.2
331.	9.7	19.1	A	N 1	291	57	51	12	57	39	+4.1	3.74	15.3	10	55.3
332.	9.3	19.5	A	N 1	279	57	39	13	57	26	+4.5	3.71	16.7	10	56.7
333.	9.7	19.5	A	N 1	291	57	51	13	57	38	+4.5	3.74	16.8	10	56.8
334.	9.8	19.6	A	N 1	294	57	54	13	57	41	+4.6	3.74	17.2	10	57.2
335.	9.2	19.8	A	K-0.1H 2	276	57	06	14	57	22	+4.8	3.70	17.8	10	57.8
336.	9.5	20.0	A	N 1	294	57	54	14	57	40	+5.0	3.74	18.7	10	58.7
337.	9.3	20.2	B	4370 N 3	279	57	39	14	57	25	+5.2	3.71	19.3	10	59.3

Cont. Cont.
Rd. Out.
-0.6 -5'

R.G.B. no. R.A. Dec. Magn.

14694 10 404-57 33 $5\frac{3}{4}$ -0.3 -7

14719 10 412 57 38 8

14865 10 479-57 53 $7\frac{3}{4}$ -0.3 -8

14962 10 518-57 33 8 -0.1 +1
10 520-57 32 8

15097

mi
56.6 46'

58.1 45

1058.8 -57 40
15152 10 59.8-57 25 $7\frac{1}{4}$

15152 10 59.8-57 25 $7\frac{1}{4}$

Nov. 25 1893

Plate 9431

Lim. P. Pr.	2 + 6 Bl. Rm. K. line Int	50 (53+30) 50 (53+30+R)	(15-H)	R.A. 1900 10 ^h 40 ^m
✓ α 0 6.8 338. 9.8 20.5 A	N 1 294 57 54 15 57 39	+5.5 374 20.6	11 0.6	
339. 9.4 20.9 A	K=0.5 H 128 2 57 42 17 57 25	+5.9 371 21.9	11 1.9	
✓ β F 6.6 340. 10.0 21.0 A	N 2 300 58 00 17 57 43	+6.0 375 22.5	11 2.5	
✓ K 0 6.5 341. 10.0 21.2 D	K=H 2 300 58 00 18 57 42	+6.2 374 23.2	11 3.2	
342. 9.5 21.4 A	N 1 285 57 45 19 57 26	+6.4 371 23.7	11 3.7	
✓ α 07.5 343. 9.8 21.5 A *	N 1 294 57 54 19 57 35	+6.5 373 24.2	11 4.2	
344. 9.9 21.9 H	N 1 297 57 57 20 57 37	+6.9 373 25.7	11 5.7	
345. 9.5 22.9 H	N 1 285 57 45 24 57 21	+7.9 370 29.2	11 9.2	
346. 10.0 23.0 A	N 1 300 58 00 24 57 36	+8.0 373 29.8	11 9.8	
347. 9.3 23.1 A	N 2 279 57 39 24 57 15	+8.1 369 29.9	11 9.9	
348. 10.0 23.2 D	K=H 2 300 58 00 24 57 36	+8.2 373 30.6	11 10.6	
349. 9.7 23.3 H	N 1 291 57 51 25 57 26	+8.3 371 30.8	11 10.8	
350. 10.9 5.6 E	K=H 1 327 58 27 31 57 56	-9.4 376 35.3	10 4.7	
351. 10.5 5.7 E	K=H 3 315 58 15 30 57 45	-9.3 375 34.9	10 5.1	
352. 10.2 5.8 A	N 2 306 58 06 30 57 37	-9.2 373 34.3	10 5.7	
353. 10.4 6.4 A	N 1 312 58 12 27 57 45	-8.6 375 32.2	10 7.8	
354. 10.7 7.0 E	K=H 1 321 58 21 24 57 57	-8.0 376 30.1	10 9.9	
355. 11.0 7.4 D	K=H 1 330 58 30 23 58 7	-7.6 378 28.7	10 11.3	
356. 10.9 8.2 A	N 2 327 58 27 20 58 7	-6.8 378 25.7	10 14.3	
357. 10.6 9.1 E 5 D	K=H 3 318 58 18 17 58 1	-5.9 378 22.3	10 17.7	
358. 10.1 9.4 E 2 D	K=H 3 303 58 03 16 57 47	-5.6 375 21.0	10 19.0	
359. 10.7 9.6 A	K=H 1 321 58 21 15 58 6	-5.4 378 20.4	10 19.6	
360. 11.0 9.8 A	N 1 330 58 30 15 58 15	-5.2 380 19.8	10 20.2	
361. 10.6 10.0 H	N 1 318 58 18 14 58 4	-5.0 378 18.9	10 21.1	
362. 10.2 10.0 H	N 1 306 58 6 14 57 52	-5.0 375 18.8	10 21.2	
363. 10.6 10.2 D 437	K=H 3 318 58 18 14 58 4	-4.8 378 18.1	10 21.9	
364. 10.2 10.4 H	N 1 306 58 6 13 57 53	-4.6 376 17.3	10 22.7	
365. 10.8 10.5 A	N 1 324 58 24 13 58 11	-4.5 379 17.1	10 22.9	

A.G.M. R.A. Dec. Magn.
 1900 1900
~~15186 11 11-57 59 8 1/2 +0.5 0~~

Comp. Comp.
 R.A. Dec.
 11 0.6 -5'
 11 0.0 44'

15226
 15249
~~15226 11 27-57 42 8 1/2 -0.5 0~~

1.9 48

2.6 47

11 4.5 -57 33
~~15247 11 3.6 -57 45 9 1/4 -0.6 +10 ?~~
 15298 11 5.6 -57 43 8 1/2 -0.1 +6

3.6 40

15409 11 10.7 -57 43 8 1/4 +0.1 -7
 15416 11 10.9 -57 36 9
 15426 11 11.3 -57 27 8 1/2 +0.5 +1 (?)
 13827 10 4.1 -57 58 8 -0.6 +2
 13833 10 4.3 -57 53 8 3/4 -0.4 -3
 13843 10 4.9 -57 42 7 1/4 -0.2 -3

14154 10 17.6 -57 59 8 -0.1 -2
 14175 10 18.6 -57 46 6.9 -0.4 -1

14154 10 17.6 57 59 8
 14175 10 18.6 57 46 6.9

14238 10 21.0 -57 47 8 -0.2 -5
 14244 10 21.4 -58 5 6.8 -0.5 -1

14238 10 21.0 57 47 8
 14244 10 21.4 -58 5 6.8

Nov. 25, 1893

Plate 9431

S.M. & mag.		V. H. G. R. m. K. line ind.		(X3) (53+37) (600A) (53+37) + A (15-H)		R. A. 1900	
						10 ^h 40 ^m	
X 3374	4.05 366	10.9 10.6	4373	K=H	5 327 58 27 12 58 15	-4.4 3.80 16.7	10 23.3
						-4.1 3.80 15.6	10 24.4
367	10.3 11.1 A			N 1	309 58 09 12 57 57	-3.9 3.76 14.7	10 25.3
368	10.4 11.2 A			N 1	312 58 12 12 58 0	-3.8 3.76 14.4	10 25.6
369	10.9 11.7 A			N 2	327 58 27 11 58 16	-3.3 3.80 12.5	10 27.5
370	10.5 12.1 B	4374	N 2	315 58 15 10 58 5	-2.9 3.78 11.0	10 29.0	
371	10.7 12.2 A		K=0.5 H 3	321 58 21 10 58 11	-2.8 3.79 10.6	10 29.4	
372	10.4 12.3 F	4375	K=H 2	312 58 12 10 58 2	-2.7 3.78 10.2	10 29.8	
373	10.6 12.6 A		N 1	318 58 18 10 58 8	-2.4 3.79 9.1	10 30.9	
374	10.6 13.2 A		N 1	318 58 18 9 58 9	-1.8 3.79 6.8	10 33.2	
375	10.2 13.3 A		N 1	306 58 06 9 57 57	-1.7 3.76 6.4	10 33.6	
376	10.8 13.4 F	4376	K=H 3	324 58 24 9 58 15	-1.6 3.80 6.1	10 33.9	
377	9.5 13.5 A		N 1	315 58 15 9 58 6	-1.5 3.78 5.7	10 34.3	
378	10.9 13.8 Dia		K=H 3	327 58 27 9 58 18	-1.2 3.81 4.6	10 35.4	
X 3468	9.02 379	10.9 14.5	7.6	N 2	327 58 27 8 58 19	-0.5 3.81 1.9	10 38.1
380	10.1 14.5 A		N 1	303 58 03 8 57 55	-0.5 3.76 1.9	10 38.1	
381	10.6 14.7 F	4377	K=H 1	318 58 18 8 58 10	-0.3 3.79 1.1	10 38.9	
382	10.1 15.0 A		N 3	303 58 03 8 57 55	0.0 3.76 0.0	10 40.0	
383	10.7 15.4 A		N 1	321 58 21 8 58 13	+0.4 3.80 1.5	10 41.5	
384	10.2 15.6 A		N 1	306 58 06 8 57 58	+0.6 3.78 2.8	10 42.3	
385	10.7 16.0 A		N 2	321 58 21 8 58 13	+1.0 3.80 3.5	10 43.8	
386	10.5 16.2 A		N 1	315 58 15 8 58 7	+1.2 3.78 4.5	10 44.5	
387	10.9 16.3 A		N 1	327 58 27 8 58 19	+1.3 3.81 5.0	10 45.0	
388	10.8 16.4 A		N 1	324 58 24 8 58 16	+1.4 3.80 5.3	10 45.3	
389	10.1 17.0 A		N 3	303 58 03 9 57 54	+2.0 3.76 7.5	10 47.5	
390	10.8 17.1 A		N 2	324 58 24 9 58 15	+2.1 3.80 8.0	10 48.0	
391	10.5 17.0 A		N 1	315 58 15 9 58 6	+2.0 3.78 7.6	10 47.6	
392	10.4 17.2 A		N 2	312 58 12 9 58 3	+2.2 3.78 8.3	10 48.3	
393	10.2 17.4 A		N 1	306 58 06 9 57 57	+2.4 3.76 9.0	10 49.0	

Alb. No. RA Dec. Magn.
1900 1900

14304 10 24.2-58 14 4.6 -0.2 -1

14365 10 27.3-58 12 8 1/2 -0.2 -4

14396 10 28.6-58 2 8 1/2 -0.4 -3

14404 10 29.0-58 9 7 -0.4 -2

14525 10 33.5-58 6 8 1/2

14528 10 33.6-58 13 6.6 -3 -2

14566 10 35.2-58 16 6.8 -0.2 0

14568 10 35.3-58 18 9

14304 10 24.2 58 14 4.6

14365 10 27.3 58 12 8 1/2

14396 10 28.6 58 2 8 1/2

14404 10 29.0 58 9 7

14528 10 33.6 58 13 6.6

14524 10 33.4 58 7 9

14526 10 33.5 58 16 9 1/2

14566 10 35.2 58 18 6.8

14655 10 38.8 58 23 10 1/4

4
10 86.5 47 47.9 57 53 7 3/4

14874 10 48.1-58 16 8 1/2

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L. H. Bl. Penn. Kline Int. $53 \times 37 (53+37) (53+37+37) (15-H)$ K.A. 1900
10 40

394.	11.0 17.4 a	N 3	330	58 30 9	58 21	+2.4 381 9.1	10	49.1
395.	10.9 17.4 g	K=H 4	327	58 27 9	58 18	+2.4 381 9.1	10	49.1
396.	10.9 17.5 a	N 1	327	58 27 10	58 17	+2.5 380 9.5	10	49.5
397.	10.9 17.7 a	K=H 1	327	58 27 10	58 17	+2.7 380 10.3	10	50.3
398.	10.5 17.8 a	N 1	315	58 15 10	58 5	+2.8 378 10.6	10	50.6
399.	10.6 18.3 H	K=H 2	318	58 15 11	58 7	+3.3 378 12.5	10	52.5
400.	10.0 18.2 a	N 1	300	58 00 10	57 50	+3.2 375 12.0	10	52.0
401.	10.8 18.5 a	N 2	324	58 24 11	58 13	+3.5 380 13.3	10	53.3
402.	10.1 19.2 a	N 1	303	58 03 12	57 51	+4.2 375 15.8	10	55.8
X 0 5.9	403. 11.0 19.6 a	N 1	330	58 30 13	58 17	+4.6 380 17.5	10	57.5
K 0 6.7	404. 10.9 19.7 g	K=H 1	327	58 27 13	58 14	+4.7 380 17.9	10	57.9
B 6.5	405. 10.2 19.8 a	N 2	306	58 06 14	57 52	+4.8 375 18.0	10	58.0
a 6.6	406. 10.1 20.0 a	N 2	303	58 03 14	57 49	+5.0 375 18.8	10	58.8
a 6.7	407. 10.2 20.1 a	N 2	306	58 06 14	57 52	+5.1 375 19.1	10	59.1
H 0 6.8	408. 11.0 20.0 a	N 1	330	58 30 14	58 16	+5.0 380 19.0	10	59.1
H 0 7.0	409. 10.8 20.1 a	N 1	324	58 24 14	58 10	+5.1 379 19.3	10	59.3
B 6.0	410. 10.9 20.1 a	N 2	327	58 27 14	58 13	+5.1 380 19.4	10	59.4
a 6.0	411. 10.9 20.2 a	N 2	327	58 27 15	58 12	+5.2 379 19.7	10	59.7
a 6.1	412. 10.6 20.4 a	N 2	318	58 18 16	58 2	+5.4 378 20.4	11	0.4
X 6.5	413. 10.9 20.6 a *	N 2	327	58 27 16	58 11	+5.6 379 21.2	11	1.2
H 0 6.2	414. 10.7 20.7 a	N 2	321	58 21 16	58 5	+5.7 378 21.5	11	1.5
H 6.9	415. 10.8 20.7 a	N 2	324	58 24 16	58 8	+5.7 379 21.6	11	1.6
X 6.5	416. 10.7 20.8 H a	K=H 2	321	58 24 17	58 4	+5.8 378 21.9	11	1.9
H 6.4	417. 10.8 20.8 a	N 2	324	58 24 17	58 7	+5.8 378 21.9	11	1.9
B 6.0	418. 11.0 20.9 a *	N 2	330	58 30 17	58 13	+5.9 380 22.4	11	2.4
B 6.5	419. 10.7 21.0 a	N 1	321	58 21 17	58 4	+6.0 378 22.7	11	2.7
X 6.8	420. 11.0 21.1 a	N 1	330	58 30 18	58 12	+6.1 379 23.1	11	3.1
X 6.4	421. 11.0 21.3 a	N 1	318	58 18 18	58 12	+6.3 376 23.7	11	3.7

A.C. No.	RA 1900	Dec. 1900	Magn.	
14902	10	49.3-58	22 6.9	+2 +1
14910	10	49.4-58	19 4.1	+3 +1
14912	10	49.5-58	18 7.6	
14915	10	49.6-58	15 8 1/2	+1-2
14922	10	49.8-58	14 9	
14958	10	51.4-58	5 8 1/2	+8 0

12

14984 10 527-58 7 8 -0.6 -6

15109

15115

10 58.4 -57 53
 10 58.9 -57 51
~~15114 10 58.2-58 55 9 1/2~~

10 59.6 -57 51
 10 59.2 -58 13
~~15115 10 58.2-58 13 8 -0.9-3 ?~~

2.C. 15116 10 58.5-58 17 9

2.C. 15150 10 59.0-58 21 9 1/4 ?

2.C. 15171 10 59.3-58 15 9 1/2

11 0.5-58 01
~~15192 15171 11 0.5-58 10 8 1/2~~
~~15196 15158 11 0.1-58 14 73/4~~
~~15199 15167 11 0.3-58 13 7 1/2~~
~~15172 11 0.6-58 11 7 3/4~~
 11.12 - 58 05
 11 2.3 - 58 07

15228 15194 11 1.6-58 5 8 1/2 ?
~~15196 11 1.7-58 11 5 3/4~~

2.4 -58 12
~~15200 11 1.9-58 9 8 1/4~~

15225 15199 11 1.8-58 11 8 1/4 -0.6-2

15200 2.0-58 12 8 1/2
~~15205 11 2.3-58 7 6.9~~

6.3
 15228 11 2.9-58 10 8 -0.2-2

11 4.5 -58 10

Comp. Comp.
 R.A. Dec.
 -0.6 -5'

14902 10 49.3 58 22 6.9

14910 10 49.4 58 19 4.1

56.9 22'

57.3 19

57.4 57

58.2 54

58.5 57

58.5 21

58.7 15

58.8 18

59.1 17

59.8 7

0.6 16

0.9 10

1.0 13 15215 11 2.3 58 7 6.9

1.3 9

1.3 12

1.8 18

2.1 9

2.5 17

3.1 2

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Line. F. By

W. H. B. Rem. K. line Int

(V13)(53+K3)Car. K(53+3V+8)(15-H)

12.0

19.0

10.0

4.0

422. 0 6.7 422. 10.4 21.4 a N 1 312 58° 12' 19 57° 53 +6.4 376 24.1 11 4.1

423. 06.56.7 423. 11.0 21.5 a * N 2 330 58° 30' 19 58° 11 +6.5 379 24.6 11 4.6

424. 11.0 21.7 a N 1 330 58° 30' 19 58° 11 +6.7 379 25.4 11 5.4

X 425. 10.1 21.8 a N 1 303 58° 03' 20 57° 43 +6.8 375 25.5 11 5.5

426. 10.6 21.8 a N 2 318 58° 18' 20 57° 58 +6.8 378 25.7 11 5.7

427. 10.4 22.0 a N 3 312 58° 12' 20 57° 52 +7.0 375 26.2 11 6.2

428. 10.3 22.3 Int. K-H 3 309 58° 09' 21 57° 48 +7.3 375 27.4 11 7.4

429. 10.8 22.4 a N 1 324 58° 24' 22 58° 2 +7.4 378 28.0 11 8.0

430. 10.9 22.4 a N 1 327 58° 27' 22 58° 5 +7.4 378 28.0 11 8.0

431. 10.9 22.6 a N 2 327 58° 27' 22 58° 5 +7.6 378 28.7 11 8.7

432. 10.6 22.6 a N 1 318 58° 18' 22 57° 56 +7.6 376 28.6 11 8.6

433. 10.2 23.1 a N 2 306 58° 06' 24 57° 42 +8.1 374 30.3 11 10.3

434. 10.1 23.8 a N 1 303 58° 03' 27 57° 36 +8.8 373 32.8 11 12.8

435. 10.1 24.1 Int. K-H 3 303 58° 03' 28 57° 35 +9.1 373 33.9 11 13.9

436. 10.9 24.0 a N 1 327 58° 27' 28 57° 59 +9.0 378 34.0 11 14.0

437. 11.5 6.7 Int. K-H 3 345 58° 45' 27 58° 18 -8.3 381 31.6 10 8.4

438. 11.6 8.0 a N 2 348 58° 48' 20 58° 28 -7.0 383 26.8 10 13.2

439. 11.0 8.1 H N 1 330 58° 30' 20 58° 10 -6.9 379 26.2 10 13.8

440. 11.3 8.3 a N 1 339 58° 39' 19 58° 20 -6.7 381 25.5 10 14.5

441. 11.9 8.9 B 437 8 N 3 357 58° 57' 19 58° 40 -6.1 385 23.5 10 16.5

442. 11.2 9.1 a N 1 336 58° 36' 18 58° 19 -5.9 381 22.5 10 17.5

443. 11.2 9.4 F 437 9 K-H 2 336 58° 36' 16 58° 20 -5.6 381 21.3 10 18.7

444. 11.5 9.8 a N 1 345 58° 45' 15 58° 30 -5.2 383 19.9 10 20.1

445. 11.9 9.9 J K-H 3 357 58° 57' 14 58° 43 -5.1 387 19.7 10 20.3

446. 11.3 10.0 a N 1 339 58° 39' 14 58° 25 -5.0 383 19.1 10 20.9

447. 11.3 10.3 B 438 0 N 3 339 58° 39' 14 58° 25 -4.7 382 18.0 10 22.0

448. 11.3 10.6 a N 1 339 58° 39' 13 58° 26 -4.4 382 16.8 10 23.2

449. 11.2 11.12 K-H 1 336 58° 36' 12 58° 24 -3.9 382 14.9 10 25.1

A.G.L.M. R.A. Dec. Magn.

11 4.2 -57 53

15277

15295

15277

11 4.9 -58 11 8

Comp. Comp.
R.A. Dec.
-0.6 -5'

3.5 58'

4.0 16'

15318 11 6.6 -57 55 7 +0.4 +3

15344 11 7.7 -57 53 7.4 +0.3 +5

~~15318 11 6.6 -57 55 7.4 +0.3 +5~~

~~15344 11 7.7 -57 53 7.4~~

15413 11 10.9 -57 38 8

15453 11 12.6 -58 31 8 1/4 -0.2 -5

15489 11 14.3 -57 38 7 1/4

13923 10 8.2 58 20 6.8 -0.2 -2

13923 10 8.2 58 20 6.8

14116 10 16.2 -58 39 8 1/4 -0.3 -1

14116 10 16.2 58 39 8 1/4

14214 10 20.1 58 42 8

✓ ✓ ✓ ✓ ✓
14248 10 21.6 -58 22 7 1/4 -0.4 -3

14248 10 21.6 58 22 7 1/4

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8 Hbl Punit Kline Ink (3xV) (53+3V) (Lore. B) (53+3V) (78) (15-H)

RA 19^h 10^m 40^sS.M.P. S.M.P.
Magn. Magn.

450.	11.9	11.1	A	N 1	357	58 57	12 58	45	-3.9	3.86	15.1	10	24.9
451.	11.8	11.3	A	N 1	354	58 54	12 58	42	-3.7	3.85	14.2	10	25.8
452.	11.4	11.6	A	N 2	342	58 42	11 58	31	-3.4	3.83	13.0	10	27.0
453.	12.0	11.8	A	N 1	360	59 00	11 58	49	-3.2	3.87	12.4	10	27.6
454.	11.8	12.2	A	N 1	354	58 54	10 58	44	-2.8	3.86	10.8	10	29.2
455.	11.3	12.6	A	N 1	339	58 39	10 58	29	-2.4	3.83	9.2	10	30.8
456.	11.6	12.7	A	N 1	348	58 48	10 58	38	-2.3	3.85	8.9	10	31.1
457.	11.4	13.0	A	N 1	342	58 42	9 58	33	-2.0	3.84	7.7	10	32.3
458.	11.3	13.2	E	K-H 2	339	58 39	9 58	30	-1.8	3.83	6.9	10	33.1
459.	11.7	13.2	A	N 3	351	58 51	9 58	42	-1.8	3.85	6.9	10	33.1
460.	11.7	13.3	A	N 2	351	58 51	9 58	42	-1.7	3.85	6.5	10	33.5
461.	11.2	13.4	A	N 1	336	58 36	9 58	27	-1.6	3.82	6.1	10	33.9
462.	11.7	13.4	A	N 2	351	58 51	9 58	42	-1.6	3.85	6.2	10	33.8
463.	11.5	13.6	A	N 2	345	58 45	9 58	36	-1.4	3.84	5.4	10	34.6
464.	11.6	13.8	K	K-H 3	348	58 48	8 58	40	-1.2	3.85	4.6	10	35.4
465.	11.8	13.8	A	N 3	354	58 54	8 58	46	-1.2	3.86	4.6	10	35.4
466.	11.8	13.9	A	N 2	354	58 54	8 58	46	-1.1	3.86	4.2	10	35.8
467.	11.3	14.0	A	N 1	339	58 39	8 58	31	-1.0	3.83	3.8	10	36.2
468.	11.2	14.2	A	N 1	336	58 36	8 58	28	-0.8	3.83	3.1	10	36.9
469.	11.1	14.3	H	N 1	333	58 33	8 58	25	-0.7	3.82	2.7	10	37.3
470.	11.7	14.4	A	N 2	351	58 51	8 58	43	-0.6	3.86	2.3	10	37.7
X 3474 5.51	471.	11.6	14.8 B. 4382	N 3	348	58 48	8 58	40	-0.2	3.85	0.8	10	39.2
	472.	11.2	15.0 A	N 1	336	58 36	8 58	28	0.0	3.83	0.0	10	40.0
	473.	11.5	15.0 A	N 1	345	58 45	8 58	37	0.0	3.84	0.0	10	40.0
	474.	11.5	15.1 A	K-H 1	345	58 45	8 58	37	+0.1	3.84	0.4	10	40.4
	475.	12.0	15.2 A 4382	N 1	360	59 00	8 58	52	+0.2	3.87	0.8	10	40.8
	476.	12.0	15.4 A 4383	N 2	360	59 00	8 58	52	+0.4	3.87	1.5	10	41.5
	477.	11.9	15.5 A	N 2	357	58 57	8 58	49	+0.5	3.87	1.9	10	41.9

A.G.B. No. R.A. Dec. Magn.

14315 10 246-58 51 9 -0.3 +6

14315 10 246 58 51 9

14508 10 32.7-58 41 7 1/4 -0.4 -1

14513 10 32.8-58 39 8 -0.7 -3

14521 10 33.2-58 27 9 -0.7 0

14503 10 32.6 58 31 8 1/4

14508 10 32.7 58 41 7 1/4

14513 10 32.8 58 39 8

14521 10 33.2 58 27 9

14540 10 34.2-58 33 8 1/2 -0.4 -3

14558 10 34.9-58 40 5 1/2 -0.5 0

14560 10 34.9-58 40 7 1/2 -0.5 -6

14561 10 34.9-58 45 7 1/4

14565 10 35.1-58 45 8 1/2 -0.7 -1

14580 10 35.8-58 22 9 1/2 -0.4 -9

14598 10 36.6-58 26 9 1/2 -0.3 -2

14609 10 37.0-58 22 9 3/4 -0.3 -3

14620 10 37.4-58 44 7 3/4 -0.3 +1

14656 10 38.9-58 42 6.5 -0.3 +2

14540 10 34.2 58 33 8 1/2

14558 10 34.9 58 40 5 1/2

14560 10 34.9 58 40 7 1/2

14561 10 34.9 58 45 7 1/4

14565 10 35.1 58 45 8 1/2

14598 10 36.6 58 26 9 1/2

14609 10 37.0 58 22 9 3/4

14620 10 37.4 58 44 7 3/4

14656 10 38.9 58 42 6.5

14696 10 40.5 58 46 9 1/4

14737 10 41.8 58 52 9 3/4

14741 10 41.9 58 53 7 3/4

14758 10 42.5 58 55 9 1/2

14713 10 40.9-58 50 9 -0.1 -2

14714 10 40.9-58 50 9

14715 10 40.9-58 50 8 1/2 -0.6 -2

14737 10 41.8-58 52 9 3/4 -0.1 -3

14741 10 41.9-58 53 7 3/4

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Lim. Fr. Br.	V. H. Cl. R. line	Line	3X1	(53+3V)	(Line B)	(53+3V+B)	(15-H)	R.A. 1900	10 ^h	40 ^m		
478.	11.5	16.0	A	N	1	345	58 45 8 58 37	+1.0	384	38	10 43.8	
479.	11.6	16.1	H	N	1	348	58 48 8 58 40	+1.1	385	42	10 44.2	
480.	11.8	16.3	A	K=0.1	H 3	354	58 54 8 58 46	+1.3	386	50	10 45.0	
481.	11.7	16.7	A	N	1	351	58 51 9 58 42	+1.7	385	65	10 46.5	
482.	11.6	16.9	A	K=H	2	348	58 48 9 58 39	+1.9	385	73	10 47.3	
483.	11.2	17.0	H	N	1	336	58 36 9 58 27	+2.0	382	76	10 47.6	
484.	11.6	17.1	A	N	1	348	58 48 9 58 39	+2.1	385	81	10 48.1	
485.	11.5	17.2	A	N	2	345	58 45 9 58 36	+2.2	384	84	10 48.4	
486.	12.0	17.5	A	N	2	360	59 00 10 58 50	+2.5	387	97	10 49.7	
487.	11.5	18.4	A	N	1	345	58 45 11 58 34	+3.4	384	131	10 53.1	
488.	11.5	18.6	A	N	1	345	58 45 11 58 34	+3.6	384	138	10 53.8	
489.	11.6	18.8	A	N	3	348	58 48 12 58 36	+3.8	384	146	10 54.6	
490.	11.1	19.1	A	N	2	333	58 33 12 58 21	+4.1	381	156	10 55.6	
491.	11.3	19.2	A	N	2	339	58 39 12 58 27	+4.2	382	160	10 56.0	
492.	11.4	19.3	A	N	1	342	58 42 13 58 29	+4.3	383	165	10 56.5	
β F 6.3	493.	11.6	19.8	A	N	2	348	58 48 14 58 34	+4.8	384	184	10 58.4
γ H 0 6.8	494.	11.3	19.9	A	N	1	339	58 39 14 58 25	+4.9	382	187	10 58.7
δ F 5.8	495.	11.4	20.3	A	N	2	342	58 42 15 58 27	+5.3	382	202	11 0.2
α 0 6.4	496.	11.1	20.5	A	N	1	333	58 33 15 58 18	+5.5	381	210	11 1.0
η 0 6.1	497.	11.2	20.7	A *	N	1	336	58 36 16 58 20	+5.9	381	217	11 1.7
γ F 6.2	498.	11.9	20.6	A	N	2	357	58 57 16 58 41	+5.6	385	216	11 1.6
α 0 6.8	499.	12.0	20.5	A	N	1	360	59 00 16 58 44	+5.5	386	212	11 1.2
β 0 6.6	500.	11.6	20.8	A	N	1	348	58 48 17 58 31	+5.8	383	222	11 2.2
η 0 6.7	501.	11.3	21.0	A *	N	2	339	58 39 17 58 22	+6.0	381	229	11 2.9
α 0 6.7	502.	11.8	21.0	A	N	1	354	58 54 17 58 37	+6.0	384	230	11 3.0
κ F 4.7	503.	11.3	21.3	K	K=0.5	H 4	339	58 39 18 58 21	+6.3	381	240	11 4.0
κ 0 6.2	504.	11.2	21.6	H	K=H	2	336	58 36 19 58 17	+6.6	380	251	11 5.1
	505.	11.3	22.3	A	N	1	339	58 39 22 58 17	+7.3	380	277	11 7.7

A.G. Nr. R.A. Dec. Magn.

1900

1900

Comp. Comp.
R.A. Dec.
-0.6 -5'

14791 10 44.0-58 34 9 3/4 -0.2 -6

14827 10 45.5-58 48 67

14858 10 47.5-58 37 8 1/2

14858 10 47.5-58 37 8 1/2 -0.6 -2

14857 10 48.6-58 39 8 1/2

14921 10 49.8-58 51 9

15068 10 56.2-58 27 8 1/4 -0.3 -2

15130

~~15097 10 57.6-58 39 8 1/2~~

3.C. 4.39

15109 10 58.0-58 15 9 -0.7 -1.0

15174 11 0.7 - 58 29 8 1/4

11 1.4 - 58 18 5

~~15154 11 0.6 - 58 11 8 1/2~~

15165 11 0.3 - 58 9 8 1/2

15192 11 1.4 - 58 21 11 9 -0.3 -9

15191 11 1.3 - 58 11 19 4

2.C. 5.56

3.C. 3.39

15231

15252

15208 11 2.0-58 18 8 1/2 -0.9 -4

~~15225 11 2.7-58 15 7 1/2~~

~~15226 11 2.7-58 15 7 1/2~~

15266 11 4.4-58 26.46 ?

93
15261 11 4.2-58 17 8 3/4

57.8 39'

58.1 30

59.6 32

0.4 23

1.1 25

1.0 46

0.6 49

1.6 36

2.3 27

2.4 42

3.4 26 15266 11 4.4-58 26 46

4.5 22

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V. H. C. C. R. R. K. line In (3XV) (53+3V) (Cor. B) (53+3V+B)(15-H)

RA 1900
1040

506. 11.8 22.40	N 1	354	58 54 22	58 32	+7.4	383	28.3	11 8.3
507. 11.4 22.50	N 2	342	58 42 22	58 20	+7.5	381	28.6	11 8.6
508. 11.4 22.60	N 2	342	58 42 22	58 20	+7.6	381	29.0	11 9.0
509. 11.4 22.80	N 1	342	58 42 23	58 19	+7.8	381	29.7	11 9.7
510. 11.4 22.90	N 1	342	58 42 24	58 18	+7.9	381	30.1	11 10.1
511. 11.5 23.20 F 4384	K=H 2	345	58 45 24	58 21	+8.2	381	31.2	11 11.2
512. 11.8 23.50	N 1	354	58 54 25	58 29	+8.5	383	32.6	11 12.6
513. 11.9 23.60	N 3	357	58 57 26	58 31	+8.6	383	32.9	11 12.9
514. 11.6 23.80	N 1	348	58 48 27	58 21	+8.8	381	33.5	11 13.5
515. 11.8 24.00	N 2	354	58 54 28	58 26	+9.0	382	34.4	11 14.4
516. 11.5 24.20	N 2	345	58 45 28	58 17	+9.2	380	35.0	11 15.0
517. 12.3 57.00	N 2	369	59 09 30	58 39	-9.3	385	35.6	10 14.2
518. 12.56.00	N 1	375	58 15 28	58 47	-9.0	386	34.7	10 5.3
519. 12.36.60	N 2	369	59 09 26	58 43	-8.4	386	32.4	10 7.6
520. 12.36.80	K=0.7H	2369	59 09 25	58 44	-8.2	386	31.7	10 8.3
521. 12.37.30	K=0.5H	1369	59 09 23	58 46	-7.7	386	29.7	10 10.3
522. 12.58.40 F 4385	K=H 1	375	59 15 19	58 56	-6.6	387	25.5	10 14.5
523. 12.98.80	N 1	387	59 27 18	59 9	-6.2	390	24.2	10 15.8
524. 12.89.10 F 4386	K=H 2	384	59 24 17	59 7	-5.9	390	23.0	10 17.0
525. 12.99.10 F 4387	K=H 2	387	59 27 17	59 10	-5.9	390	23.0	10 17.0
526. 12.99.20	K=H 2	387	59 27 16	59 11	-5.8	390	22.6	10 17.4
527. 12.49.30	K=H 1	372	59 12 16	58 56	-5.7	388	22.1	10 17.9
528. 13.09.70 B 4388	N 2	390	59 30 18	59 15	-5.3	391	20.7	10 19.3
529. 12.89.80	K=H 2	384	59 24 15	59 9	-5.2	390	20.3	10 19.7
530. 13.010.90	N 1	390	59 30 12	59 18	-4.1	392	16.1	10 22.9
531. 12.610.00 4389	K=H 1	378	59 18 14	59 4	-5.0	390	19.5	10 20.5
532. 12.110.50	N 1	363	59 23 13	59 10	-4.5	390	17.6	10 22.4
533. 12.611.40	N 2	378	59 31 12	59 6	-3.6	390	14.0	10 26.0

A.G.M.	RA. 1900	Dec. 1900	Magn.
15351	11 8.0	-58 25	9 -0.3-7

15368	11 8.7	-58 21	9
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15393	11 10.1	-58 19	9 0.0+1
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15399	11 10.4	-58 17	9
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15432	11.4	-58 20	8.14 +0.2+1
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15464	11 13.1	-58 33	7.1 +0.2+2
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15464	11 13.1	-58 33	7.1
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13904	10 7.5	-58 39	8 3/4 -0.1-4
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13913	10 7.8	-58 40	8 1/2 -0.5-4
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13926	10 8.5	-58 39	8
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13913	10 7.8	-58 40	8 1/2
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13926	10 8.5	-58 39	8
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14140	10 17.0	-59 8	8 0.0-1
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14131	10 16.7	-59 10	8 1/4 -0.3 0
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14135	10 16.8	-59 3	9 -0.6-8
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14189	10 18.8	-59 15	7 3/4 -0.5 0
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14135	10 16.8	-59 3	9
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14131	10 16.7	-59 10	8 1/4
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14140	10 17.0	-59 8	8
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14189	10 18.8	-59 15	7 3/4
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14422	10 20.4	-59 1	8 1/2 -0.1-3
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14333	10 25.5	-59 6	8 -0.5 0
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14224	10 20.4	-59 1	8 1/2
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14333	10 25.5	-59 6	8
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Nov. 25, 1893

Plate 9431

no. S.M.P.
S.M.P. Magn.

V to Cl. Perm. K line Int. (3V) (53+3V) (Car. A) (53+3V+8) (15-H)

R.A. 1900
10^h 40^m

534.	13.0	11.7	a	K=H 1	390	59	30	11	59°	19	-3.3	3.92	12.9	10	27.1	
535.	12.5	11.9	a	N 1	375	59	15	11	59	4	-3.1	3.90	12.1	10	27.9	
536.	12.5	12.2	a	N 1	375	59	15	10	59	5	-2.8	3.90	10.9	10	29.1	
537.	12.6	12.2	a	N 1	378	59	18	10	59	8	-2.8	3.90	10.9	10	29.1	
538.	12.9	12.3	a	N 2	387	59	27	10	59	17	-2.7	3.91	10.6	10	29.4	
539.	12.9	12.4	a	N 1	387	59	27	10	59	17	-2.6	3.91	10.2	10	29.8	
540.	12.2	12.4	o	K=H 2	366	59	06	10	58	56	-2.6	3.88	10.1	10	29.9	
541.	12.6	12.9	a	N 1	378	59	18	9	59	9	-2.1	3.90	8.2	10	31.8	
542.	12.4	13.2	K	Cl. Br. 5.27 5.45 K=H 4	372	59	12	9	59	3	-1.8	3.90	7.0	10	33.0	
543.	12.5	12.9	a	N 1	375	59	15	9	59	6	-2.1	3.90	8.2	10	31.8	
544.	12.1	13.3	a	N 2	363	59	03	9	58	54	-1.7	3.88	6.6	10	33.4	
545.	12.2	13.6	a	N 1	366	59	06	9	58	57	-1.4	3.88	5.4	10	34.6	
546.	12.1	13.7	a	N 1	363	59	03	9	58	54	-1.3	3.88	5.0	10	35.0	
547.	12.9	14.1	a	4390	N 2	387	59	27	8	59	19	-0.9	3.92	3.5	10	36.5
548.	12.4	14.2	a	N 2	372	59	12	8	59	4	-0.8	3.90	3.1	10	36.9	
549.	12.6	14.4	a	Cl. Br. 5.6 N 3	378	59	18	8	59	10	-0.6	3.90	2.3	10	37.7	
550.	13.0	14.6	a	N 1	390	59	30	8	59	22	-0.4	3.92	1.6	10	38.4	
551.	13.0	14.8	a	N 1	390	59	30	8	59	22	-0.2	3.92	0.8	10	39.2	
552.	12.2	15.0	a	N 1	366	59	06	8	58	58	0.0	3.89	0.0	10	40.0	
553.	12.3	15.0	a	4391	N 3	369	59	09	8	59	1	0.0	3.89	0.0	10	40.0
554.	12.6	15.1	a	4392	N 3	378	59	18	8	59	10	+0.1	3.90	0.4	10	40.4
555.	12.5	15.2	a	4393	K=H 3	375	59	15	8	59	7	+0.2	3.90	0.8	10	40.8
556.	12.2	15.6	a	N 1	366	59	06	8	58	58	+0.6	3.89	2.3	10	42.3	
557.	13.0	15.9	B	4394	N 3	390	59	30	8	59	22	+0.9	3.92	3.5	10	43.5
558.	12.5	15.9	a	N 1	375	59	15	8	59	7	+0.9	3.90	3.5	10	43.5	
559.	12.6	16.0	a	N 1	378	59	18	8	59	10	+1.0	3.90	3.9	10	43.9	
560.	13.0	16.0	a	4395	N 3	390	59	30	8	59	22	+1.0	3.92	3.9	10	43.9
561.	12.1	16.2	F	4396	K=H 1	363	59	03	8	58	55	+1.2	3.88	4.7	10	44.7

B.G.B.M. RA. Dec. Magn.
1900 1900

14399 10 28.7 -59 6 8 1/4 -0.4 -2
14413 10 29.4 -59 16 8 1/2 0.0 -1
~~14400 10 28.8 -59 21 8 1/4 0.6 -~~

14415 10 29.5 -59 15 9 1/4 -0.3 -2
14407 10 29.2 -59 17 9 1/4 0.6 0
14422 10 29.7 -58 54 8 -0.2 2

14504 10 32.6 -59 3 5.5 -0.4 0

14512 10 32.8 -58 50 9 -0.6 -4

14594 10 36.4 -59 17 8 1/2 -0.1 -2

14605 10 36.7 -59 1 8 1/4 -0.2 -3

{ 14626 10 37.4 -59 9 7 1/4 -0.3 -1

~~14623 10 37.8 -59 9 7 1/4~~

14640 10 38.3 -59 22 9 -0.1 0

14641 10 38.3 -59 23 8 1/2 -0.1 +1

14658 10 38.9 -59 23 8 1/2 -0.3 +1

14678 10 40.0 -59 2 9 1/2 0.0 +4

~~14680 10 40.0 -59 2 10~~

~~14682 10 40.1 -59 2 9~~

14686 10 40.1 -59 1 7 +0.1 0

14717 10 40.9 -59 2 7 3/4

14744 10 42.0 -58 58 7 3/4

14772 10 43.3 -59 16 9

14787 10 43.8 -59 3 9 -0.1 -7

~~14788 10 43.9 -59 21 7 0.0 -1~~

14804 10 44.5 -59 1 9 -0.2 -6

14413 10 29.4 59 16 8 1/2

14415 10 29.5 59 15 9 1/4

~~14407 10 29.2 59 17 9 1/4~~

14422 10 29.7 58 54 8

14504 10 32.6 59 3 5.5

14512 10 32.8 58 50 9

14594 10 36.4 59 17 8 1/2

14605 10 36.7 59 1 8 1/4

{ 14626 10 37.4 59 9 7 1/4

~~14633 10 37.8 59 9 7 1/4~~

14641 10 38.3 59 23 8 1/2

14658 10 38.9 59 23 8 1/2

14686 10 40.1 59 1 7

14707 10 40.7 59 13 8 3/4

14708 10 40.7 59 13 8 1/4

14720 10 41.2 59 10 var

14788 10 43.9 59 21 7

14795 10 44.1 59 7 9

14797 10 44.2 59 24 6 7/8

June 13, 1894

Plate 9431

23	15	V Hb Cl. ^{mm} Rein. K. ^{mm} L. ^{mm} (3V+3V) low. A (53+3V+A) (15-H)	R. A. 1900 10 ^h 40 ^m
562	12.8	16.3 A	N 2 384 59 24 8 59 16 +1.3 391 51 10 45.1
563	12.3	16.5 A	N 1 369 59 09 9 59 0 +1.5 389 58 10 45.8
564	12.7	16.8 A 4397	N 1 381 59 21 9 59 12 +1.8 390 70 10 47.0
565	12.4	17.3 A	N 1 372 59 12 9 59 3 +2.3 390 90 10 49.0
566	12.5	17.5 A	N 1 375 59 15 10 59 5 +2.5 390 98 10 49.8
567	12.4	18.0 F 4398	H-H 1372 59 12 10 59 2 +3.0 389 117 10 51.7
568	12.7	18.4 G 2H	K-12H 3381 59 21 11 59 10 +3.4 390 133 10 53.3
569	12.1	18.6 A	N 2 363 59 03 11 58 52 +3.6 387 139 10 53.9
570	12.5	18.9 A	N 1 375 59 15 12 59 3 +3.9 390 152 10 55.2
571	12.5	19.0 A	N 1 375 59 15 12 59 3 +4.0 390 156 10 55.6
572	12.8	19.7 B 4399	N 3 384 59 24 13 59 11 +4.7 390 183 10 58.3
573	12.3	19.9 A 4400	N 1 369 59 09 14 58 55 +4.9 388 190 10 59.0
574	13.0	20.1 A 4401	N 2 390 59 30 14 59 16 +5.1 391 199 10 59.9
575	13.0	20.2 A	N 2 390 59 30 15 59 15 +5.2 391 203 11 0.3
576	12.8	20.3 A 4402	N 2 384 59 24 15 59 9 +5.3 390 207 11 0.7
577	12.8	20.7 A	N 1 384 59 24 16 59 8 +5.7 390 222 11 2.2
578	12.8	20.7 A	N 1 384 59 24 16 59 8 +5.7 390 222 11 2.2
579	12.9	20.8 A	N 1 387 59 27 17 59 10 +5.8 390 226 11 2.6
580	12.8	21.0 H	N 1 384 59 24 17 59 7 +6.0 390 234 11 3.4
581	12.3	21.2 A 4403	N 1 369 59 09 18 58 51 +6.2 387 240 11 4.0
582	12.6	21.6 A 4404	N 2 378 59 18 19 58 59 +6.6 389 257 11 5.7
583	12.8	22.0 A	N 2 369 59 09 20 58 49 +7.0 387 271 11 7.1
584	12.9	22.2 A	N 3 387 59 27 21 59 6 +7.2 390 281 11 8.1
585	12.8	22.4 B 4405	N 4 384 59 24 22 59 2 +7.4 389 288 11 8.8
586	12.5	23.4 A	N 1 375 59 15 25 58 50 +8.4 387 325 11 12.5
587	12.1	23.6 A 4406	N 3 363 59 03 26 58 37 +8.6 384 330 11 13.0
588	12.2	23.8 A	N 1 366 59 06 27 58 39 +8.8 385 339 11 13.9
589	12.2	23.9 A	N 1 366 59 06 27 58 39 +8.9 385 343 11 14.3

Abb. No. R.A. Dec. Magn.

14818 10 45.1-59 10 9 3/4
 14814 10 45.0-58 55 8 -0.8 -5
 14815 10 45.0-58 55 10 1/4

14895 10 49.1-58 58 6 3/4 +1 -5

15004 10 53.7-59 12 7.0 +1.4 +2

~~15046 10 55.4-59 6 9 -0.2 +3~~

~~15123 10 58.6-59 12 7~~

15113 10 58.2-58 57 9 1/2
 15114 58.2-58 55 9 1/4

15163 11 0.2-59 20 8 -0.1 +5

15180 11 0.8-59 10 8 1/4 +0.1 +1
 15178 11 0.8-59 10 9 1/2

15218 11 2.3-59 2 9 +0.1 -6

15263 11 4.2-58 52 8 +0.2 +1
 15262 11 4.2-58 52 8 1/4

15334 11 7.4-58 57 8 1/4

15360 11 8.5-59 8 7 1/2 +0.4 +2

15377 11 9.2-59 4 6.6 +0.4 +2

15475 11 13.4-58 39 7.2 +0.4 +2
 15477 11 13.5-58 41 7.3

14825 10 45.4-59 12 8 3/4

14855 10 47.4-59 13 8

15004 10 53.7-59 12 7.0

15046 10 55.4-59 6 9
 15059 10 55.7-59 2 9 1/2

15175 11 0.7-59 19 7.1

15377 11 9.2-59 4 6.6

15475 11 13.4-58 39 7.2

15477 11 13.5-58 41 7.3

June 13, 1894

Plate 9431

V Hb Cl. *Bem. v. line. sm.* (3xV) (53+3V) (Comb) (53+3V) (15-H)R.A. 19⁰⁰.
10^h 40^m

590 12.2 24.2 a	N 2 366	59 06 28	58 38	+9.2	3.55	35.4	11	15.4
591 13.4 6.9 a	N 1 8 ⁴⁰ 2	59 42 25	59 17	-8.1	3.91	31.7	10	8.3
592 13.7 7.0 a	N 2 411	59 51 24	59 27	-8.0	3.93	31.4	10	8.6
593 13.1 7.1 F 4407	K=H 1 393	59 33 24	59 9	-7.9	3.90	30.8	10	9.2
594 13.8 7.2 a	N 1 414	59 54 24	59 30	-7.8	3.94	30.7	10	9.3
595 13.6 7.4 a	N 3 408	59 48 23	59 25	-7.6	3.93	29.9	10	10.1
596 13.5 8.1 a	K=0.5H 3 405	59 45 20	59 25	-6.9	3.93	27.1	10	12.9
597 13.3 9.1 F 4408	K=H 1 399	59 39 17	59 22	-5.9	3.92	23.1	10	16.9
598 13.9 9.7 E	K=H 1 517	59 57 15	59 42	-5.3	3.96	21.0	10	19.0
599 13.8 10.0 E	K=H 1 414	59 54 14	59 40	-5.0	3.96	19.8	10	20.2
600 13.8 10.2 ma	N 1 414	59 54 14	59 40	-4.8	3.96	19.0	10	21.0
601 13.1 10.3 a	N 1 393	59 33 14	59 19	-4.7	3.92	18.4	10	21.6
602 13.4 10.7 a	N 1 402	59 42 13	59 29	-4.3	3.94	16.9	10	23.1
603 13.3 10.9 a 3F 4409	K=H 1 399	59 39 12	59 27	-4.1	3.93	16.1	10	23.9
604 13.6 11.4 a	N 2 408	59 48 12	59 36	-3.6	3.95	14.2	10	25.8
605 13.3 11.6 F 4410	K=H 1 399	59 39 11	59 28	-3.4	3.94	13.4	10	26.6
606 13.2 11.9 a	K=0.8H 1 396	59 36 11	59 25	-3.1	3.93	12.2	10	27.8
607 14.0 12.1 a	K=H 1 420	60 0 10	59 50	-2.9	3.98	11.5	10	28.5
608 13.1 12.2 a	K=H 2 393	59 33 10	59 23	-2.8	3.93	11.0	10	29.0
609 14.0 12.3 a	N 1 420	60 0 10	59 50	-2.7	3.98	10.7	10	29.3
610 13.6 12.4 a	K=0.8H 2 408	59 48 10	59 38	-2.6	3.96	10.3	10	29.7
611 13.6 12.5 F 4411	K=H 1 408	59 48 10	59 38	-2.5	3.96	9.9	10	30.1
612 13.2 12.8 a	N 1 396	59 36 9	59 27	-2.2	3.93	8.6	10	31.4
613 13.8 12.8 a	N 2 414	59 54 9	59 45	-2.2	3.97	8.7	10	31.3
614 13.7 12.9 a 4412	N 2 411	59 51 9	59 42	-2.1	3.96	8.3	10	31.7
615 13.6 13.1 E	K=H 1 408	59 48 9	59 39	-1.9	3.96	7.5	10	32.5
616 13.7 13.2 a	N 2 411	59 51 9	59 42	-1.8	3.96	7.1	10	32.9
617 13.4 13.6 a	K=H 1 402	59 42 9	59 33	-1.4	3.95	5.5	10	34.5

A.G.C. No.	RA. 1900	Dec. 1900	Magn.
15516	11	15.6-58 38	7 1/2 +0.2 0
#	166	-	

13938	10	8.9-59	27 8 1/2 -0.4-3
13947	10	9.6-59	25 6.6 -0.5 0
14038	10	12.7-59	24 6.9 -0.2-1
14129	10	16.7-59	23 8 -0.2 +1

14214	10	20.1-58	42 8 -0.1-2
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14233	10	20.9-59	41 7 3/4
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14720	10		
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14394	10	28.5-59	20 8 3/4 -0.5-3
14400	10	28.8-59	21 8 1/4 -0.2-2

14409	10	29.3-59	36 7 1/2 -0.4-2
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14423	10	29.8-59	37 9 -0.3-1
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14451	10	31.0-59	46 8 3/4 -0.3 +1
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14456	10	31.1-59	40 9 -0.6-2
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14500	10	32.4-59	40 8 1/4 -0.1 +1
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14533	10	33.9-59	32 9 1/2 -0.6-1
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14538	10	34.1-59	31 9 1/2
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13938	10	8.9-59	27 8 1/2
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13947	10	9.6-59	25 6.6
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14038	10	12.7-59	24 6.9
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14129	10	16.7-59	23 8
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14233	10	20.9-59	41 7 3/4
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14394	10	28.5-59	20 8 3/4
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14409	10	29.3-59	36 7 1/2
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14423	10	29.8-59	37 9
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14451	10	31.0-59	46 8 3/4
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14456	10	31.1-59	40 9
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14500	10	32.4-59	40 8 1/4
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14539	10	34.1-59	31 9 1/2
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June 13, 1894

Plate 9431

V H Cl. Rem. Kline In (3V) (53+3V) 600.8 (53+3V+A) (45-H)

K.C. 1900
10th 48^m

618 14.0 13.9 a	N 1	420	60	0	8	59	52	-1.1	396	4.4	10	35.6
619 13.2 14.4 a	N 3	396	59	36	8	59	28	-0.6	394	2.4	10	37.6
620 13.6 14.9 a	N 1	408	59	48	8	59	40	-0.1	396	0.4	10	39.6
621 13.4 15.0 O	N 3	402	59	42	8	59	34	0.0	395	0.0	10	40.0
622 13.2 15.2 a	N 2	396	59	36	8	59	28	+0.2	394	0.8	10	40.8
623 13.7 15.5 a	N 1	411	59	51	8	59	43	+0.5	397	2.0	10	42.0
624 13.8 15.7 a	N 1	399	59	39	8	59	31	+0.7	394	2.8	10	42.8
625 13.4 15.9 e	K=H 1	402	59	42	8	59	34	+0.9	395	3.6	10	43.6
626 13.7 16.2 a	N 2	411	59	51	8	59	43	+1.2	397	4.8	10	44.8
627 13.8 16.5 F 4413	K=H 1	414	59	54	9	59	45	+1.5	397	6.0	10	46.0
628 13.6 16.7 a	N 1	408	59	48	9	59	39	+1.7	396	6.7	10	46.7
629 13.1 16.9 a	N 3	393	59	33	9	59	24	+1.9	393	7.5	10	47.5
630 13.2 17.1 a	K=H 1	396	59	36	9	59	27	+2.1	393	8.3	10	48.3
631 14.0 17.6 F 4414	K=H 2	420	60	00	10	59	50	+2.6	398	10.3	10	50.3
632 13.9 18.1 2 4415	N 1	417	59	57	10	59	47	+3.1	397	12.3	10	52.3
633 14.0 18.1 2 4416	N 2	420	60	00	10	59	50	+3.1	398	12.3	10	52.3
634 13.4 18.1 a	N 1	402	59	42	10	59	32	+3.1	394	12.2	10	52.2
635 13.1 17.8 a	N 1	393	59	33	10	59	23	+2.8	393	11.0	10	51.0
636 13.0 18.0 a	N 1	390	59	30	10	59	20	+3.0	392	11.8	10	51.8
637 13.1 18.1 a	N 1	393	59	33	10	59	23	+3.1	393	12.2	10	52.2
638 13.0 18.9 F 4417	K=H 1	390	59	30	12	59	20 ¹⁸	+3.9	392	15.3	10	55.3
639 13.2 19.0 a	N 1	396	59	36	12	59	24	+4.0	393	15.7	10	55.7
640 13.3 19.2 a	K=H 1	399	59	39	12	59	27	+4.2	393	16.5	10	56.5
641 13.9 19.3 a	N 2	417	59	57	13	59	44	+4.3	397	17.1	10	57.1
642 14.0 19.3 a	N 1	420	60	00	13	59	47	+4.3	397	17.1	10	57.1
643 13.3 19.4 a	N 1	399	59	39	13	59	26	+4.4	393	17.3	10	57.3
644 14.0 19.5 a	N 1	420	60	00	13	59	47	+4.5	397	17.9	10	57.9
645 13.4 19.6 a	N 1	402	59	42	13	59	29	+4.6	394	18.1	10	58.1

alt. m RA. Dec. Magn.

14572	10	353-59	49	9	-0.3-3
14623	10	374-59	27	7 3/4	-0.2-1
{ 14669	10	375-59	37	9	
{ 14657	10	388-59	42	9	
14684		401	36		
14689	10	395-59	37	69	-0.5-4
14688	10	402-59	21	8 1/2	
14704	10	406-59	22	8 1/4	
14745	10	420-59	40	8 1/4	0.0-3
14750	10	423-58	48	8 1/4	
14770	10	430-59	33	9 1/2	-0.6-1
14776	10	434-59	34	8 1/2	
14811	10	448-59	42	7 3/4	0.0-1
14823	10	453-59	39	8	-0.7-6
14828	10	456-59	46	8 1/2	
14834	10	458-59	38	9	-0.9-1
14850	10	470-59	26	7	-0.5-2
14841	10	465-59	27	7 3/4	
14875	10	482-59	25	9 3/4	-0.1-2
14930	10	501-59	49	8	-0.2-1
14969	10	521-59	51	8 1/2	-0.2+4
14965	10	520-59	51	8 1/2	-0.3+1
14971	10	522-59	52	7 3/4	
14975	10	524-59	30	9	

15036 10 550-59 26 8 1/2 -0.3+8

15076 10 565-59 46 8

15074 10 564-59 50 8 3/4 -0.7+3
15077 10 566-59 55 9 1/2

15080 10 568-59 47 8 3/4 -1.1 0
15080 10 576-59 47 9

14572	10	353	59	49	9
14623	10	374	59	27	7 3/4
14669	10	375	59	37	9
14684	10	401	59	36	69
14698	10	406	59	30	68
14745	10	420	59	40	8 1/4
14770	10	430	59	33	9 1/2
14776	10	434	59	34	8 1/2
14811	10	448	59	42	7 3/4
14828	10	456	59	46	8 1/2
14834	10	458	59	38	9
14850	10	470	59	26	7
14875	10	482	59	25	9 3/4
14930	10	501	59	49	8
14965	10	520	59	51	8 1/2
14969	10	521	59	51	8 1/2
14971	10	522	59	55	7 3/4
14975	10	524	59	30	9

15041 10 552 59 41 8
26 10 3935
15026 10 550 59 26 8 1/2

June 13, 1894.

Plate 9431

V Hb Cl. Rev. K line In (W3)(53+3V) (Cor. A)(53+3V+A)(15-H)

K A 1900
10 140

646	13.3 20.0 F 4418	K=H 1	399 59 39 14 59 25	+5.0 393 19.6	10 59.6
647	13.9 20.0 A	N 1	417 59 57 14 59 43	+5.0 397 19.8	10 59.8
648	13.3 20.6 B 4419	N 3	399 59 39 16 59 23	+5.6 393 22.0	11 2.0
649	14.0 20.8 F 4420	K=H 1	420 60 00 17 59 43	+5.8 397 23.0	11 3.0
650	13.1 20.9 A	N 2	393 59 33 17 59 16	+5.9 391 23.1	11 3.1
651	13.4 21.0 A	N 1	402 59 42 17 59 25	+6.0 393 23.6	11 3.6
652	13.4 21.2 A	K=H 1	402 59 42 18 59 24	+6.2 393 24.4	11 4.4
653	13.9 21.1 A	N 2	417 59 57 18 59 39	+6.1 396 24.2	11 4.2
654	13.9 21.3 A	N 1	417 59 57 18 59 39	+6.3 396 24.9	11 4.9
655	13.9 21.4 A	N 1	417 59 57 19 59 38	+6.4 396 25.3	11 5.3
656	13.7 21.6 B 4421	N 2	411 59 57 19 59 32	+6.6 394 26.0	11 6.0
657	14.0 21.9 A	N 3	420 60 00 20 59 40	+6.9 396 27.3	11 7.3
X 658	14.0 22.1 F 4422	K=H 4	420 60 00 20 59 40	+7.1 396 28.1	11 8.1
659	13.9 22.9 A 4423	N 2	417 59 57 24 59 33	+7.9 395 31.2	11 11.2
660	13.2 23.5 A	K=0.5 H 3	396 59 36 25 59 11	+8.5 392 33.3	11 13.3
661	14.2 5.4 A	N 1	426 60 06 31 59 35	-9.6 395 37.9	10 2.1
662	14.1 5.5 A	N 1	423 60 03 31 59 32	-9.5 394 37.4	10 2.6
662	14.4 5.6 A	N 1	432 60 12 31 59 41	-9.4 396 37.2	10 2.8
663	14.5 6.3 A	N 1	435 60 15 27 59 48	-8.7 398 34.6	10 5.4
664	14.8 6.5 A	K=0.3 H 2	444 60 24 27 59 57	-8.5 399 33.9	10 6.1
665	14.3 6.7 A	N 1	429 60 09 26 59 43	-8.3 397 33.0	10 7.0
666	14.3 7.6 A	K=0.1 H 2	429 60 09 22 59 47	-7.8 397 31.0	10 9.0
667	14.3 8.2 A	N 1	429 60 09 20 59 49	-6.8 398 27.1	10 12.9
668	14.5 8.9 A	N 1	435 60 15 18 59 57	-6.1 399 24.3	10 15.7
669	14.8 9.1 A	N 1	444 60 24 17 60 7	-5.9 401 23.7	10 16.3
670	15.0 9.2 A	N 1	450 60 30 16 60 14	-5.8 403 23.4	10 16.6
671	14.5 9.3 A	N 1	435 60 15 16 59 59	-5.7 400 22.8	10 17.2
672	14.8 10.0 A	N 1	444 60 24 14 60 10	-5.0 402 20.1	10 19.9

A.G.C. Mr. R.A. Dec. Magn.

~~15175 11 1.7 -59 19 7.1~~
~~15204 11 1.9 -59 25 7.3~~

~~15235 11 3.0 -59 20 8~~
~~15227 11 2.8 -59 15 9~~

~~15235 11 3.0 -59 20 8 -0.6 -5~~

15260 11 3.9 -59 42 8 1/2

~~15335 11 7.4 -59 46 7 1/2~~

AGC

~~15335 11 7.4 -59 46 7 1/2~~
~~15356 11 8.3 -59 46 52~~

15412 11 10.8 -59 34 8 1/2 -0.4 +1

15415 11 10.9 -59 37 8

15461 11 12.9 -59 13 7 3/4 -0.4 +2

13791 10 1.9 -59 34 9 1/2 -0.2 -1

13803 10 2.5 -59 38 9 1/2 -0.3 -3

13869 10 5.9 -59 55 8 1/4 -0.2 -2

13889 10 6.6 -59 43 9 -0.4 0

14203 10 19.5 -60 10 9 3/4 -0.4 0

15204 11 1.9⁽¹⁹⁰⁰⁾ -59 25 7.3

C.P.D. -59° 3056 11 2.0⁽¹⁸⁷⁵⁾ -59 37.1 8.5

C.P.D. -59° 3057 11 2.0⁽¹⁸⁷⁵⁾ -59 11.8 7.7

C.P.D. -59° 3064

C.P.D. -59° 3077 ?

~~C.P.D. -59° 3078 11 4.7 -59 25.0 7.5~~
~~59 3165 11 6.3 -59 38.0 7.3~~

1875¹⁹⁰⁰ 59° 3165 11 6.3 -59 38.0 7.3

1900¹⁹⁰⁰ 15356 11 8.3 -59 46 52

14203 10 19.5 -60 10 9 3/4

June 13, 1894

Plate 9431

W. H. C. R. ^{mm} Kline Dr. (3V)(3+3V) Car R (63+3V7R)(15-H)R.A. 1900
18 40

* 9.28 X 3386	673	14.2	10.6	a	N	1	426	60	06	13.59	53	-4.4	399	17.6	10	22.4
	674	15.0	10.9	a	N	1	450	60	30	12	60	-4.1	404	16.6	10	23.4
	675	14.9	11.1	a	N	1	447	60	27	12	60	-3.9	403	15.7	10	24.3
	676	14.5	11.2	a	N	2	435	60	15	12	60	-3.8	401	15.2	10	24.8
	677	14.5	11.5	a	N	2	435	60	15	11	60	-3.5	401	14.0	10	26.0
	678	14.8	13.4	a	N	1	444	60	24	9	60	-1.6	403	6.4	10	33.6
	679	14.9	13.6	a	N	1	447	60	27	9	60	-1.4	404	5.7	10	34.3
	680	14.3	13.7	dia	N	1	429	60	09	9	60	-1.3	400	5.2	10	34.8
	681	14.2	14.2	a	N	2	426	60	06	8	59	-0.8	400	3.2	10	36.8
	682	14.1	15.5	a	N	1	423	60	03	8	59	+0.5	399	2.0	10	42.0
X 3477	683	14.3	15.1	K5	K-H3		429	60	09	8	60	+0.1	400	0.4	10	40.4
X S.m.P. 3496	684	14.4	15.7	a	N	1	432	60	12	8	60	+0.7	401	2.8	10	42.8
X S.m.P. 3503	685	14.4	15.9	a	N	2	432	60	12	8	60	+0.9	401	3.6	10	43.6
	686	14.5	16.0	a	N	2	435	60	15	8	60	+1.0	401	4.0	10	44.0
	687	14.5	16.1	a	N	1	435	60	15	8	60	+1.1	401	4.4	10	44.4
	688	14.3	16.4	a	N	1	429	60	09	8	60	+1.4	400	5.6	10	45.6
	689	14.7	16.4	a	N	1	441	60	21	8	60	+1.4	403	5.6	10	45.6
	690	14.5	16.7	a	N	2	435	60	15	9	60	+1.7	401	6.8	10	46.8
	691	14.8	16.8	a	N	1	444	60	24	9	60	+1.8	403	7.3	10	47.3
	692	14.8	17.0	a	N	1	444	60	24	9	60	+2.0	403	8.1	10	48.1
	693	14.8	17.4	B	N	3	444	60	24	9	60	+2.4	403	9.7	10	49.7
	694	14.8	17.6	a	N	2	444	60	24	10	60	+2.6	403	10.5	10	50.5
	695	14.4	17.7	a	N	1	432	60	12	10	60	+2.7	400	10.8	10	50.8
	696	14.2	17.9	B2K	K-H3		426	60	06	10	59	+2.9	399	11.6	10	51.6
	697	14.9	18.3	a	N	1	447	60	27	11	60	+3.3	403	13.3	10	53.3
	698	14.2	18.4	a	N	1	426	60	06	11	59	+3.4	399	13.6	10	53.6
	699	14.9	18.7	H	N	1	447	60	27	12	60	+3.7	403	14.9	10	54.9
12	45	17.8	19.6	F	K-H		1444	60	24	13	60	+4.6	402	15.5	10	58.5

a.b.c. m. R.A.
1900 Dec.
1900 Magn.

14548 10 344-60 2 $8\frac{1}{2}$ -0.4+2

14548 10 344 60 2 $8\frac{1}{2}$

14673 10 39.7-60 3 5.2 -0.7+2

14673 10 39.7 60 3 5.2

14754 10 42.5-60 5 7 -0.3+1

14754 10 42.5 60 5 7

✓ ✓ ✓ ✓ ✓
14903 10 49.3-60 17 $7\frac{3}{4}$ -0.4+2

14928 10 50.0-60 9 $8\frac{3}{4}$ -0.5-5?

14939 10 50.5-60 3 9 -0.3+1

14955 10 51.3-59 59 var. -0.3+3

✓ ✓ ✓ ✓ ✓
14903 10 49.3 60 17 $7\frac{3}{4}$

14928 10 50.0 60 9 $8\frac{3}{4}$

14939 10 51.3 60 3 $8\frac{3}{4}$

14955 10 51.3 59 59 var.

15133 10 58.9 60 17 $8\frac{1}{2}$

Plate 9431

Cent.

June 14⁵ 18948 to 10.0 ^{mm} K line in (3XV) + (53+3V) Cent (53+3V) (X15-H)K.A. 19⁰⁰
10^h 40^m

701	14.4	19.6	A	N	143	2	60	12	13	59	59	+4.6	4.00	18.4	10	58.4
702	14.9	19.8	F 554427	K-H	2	447	60	27	14	60	13	+4.8	4.03	19.3	10	59.3
703	14.7	19.9	A	N	1	441	60	21	14	60	7	+4.9	4.01	19.6	10	59.6
704	14.6	20.0	A	N	1	438	60	18	14	60	4	+5.0	4.01	20.0	11	0.0
705	14.5	20.1	A 57	K-H	1	435	60	15	14	60	1	+5.1	4.00	20.4	11	0.4
706	14.4	20.3	A	N	1	432	60	12	15	59	57	+5.3	3.99	19.9	10	59.9
707	14.7	20.6	A	N	1	441	60	21	16	60	5	+5.6	4.01	22.5	11	2.5
708	14.7	20.8	A	N	2	441	60	21	17	60	4	+5.8	4.01	23.3	11	3.3
709	14.9	21.2	A	N	1	447	60	27	18	60	9	+6.2	4.02	24.9	11	4.9
710	14.2	21.3	A 57	K-H	1	426	60	06	18	59	48	+6.3	3.98	25.1	11	5.1
711	14.2	21.7	A	N	3	426	60	06	19	59	47	+6.7	3.97	26.6	11	6.6
712	14.6	21.6	A	N	1	438	60	18	19	59	59	+6.6	4.00	26.4	11	6.4
713	14.8	21.8	A	N	1	444	60	24	20	60	4	+6.8	4.01	27.3	11	7.3
714	14.8	22.0	A	N	1	444	60	24	20	60	4	+7.0	4.01	28.1	11	8.1
715	14.7	22.9	A	N	1	441	60	21	24	59	57	+7.9	3.99	31.5	11	11.5
716	14.8	23.1	F 4428	K-H	1	444	60	24	24	60	0	+8.1	4.00	32.4	11	12.4
717	14.6	23.4	A	N	1	438	60	18	25	59	53	+8.4	3.99	33.5	11	13.5
718	14.9	23.6	A	N	1	447	60	27	26	60	1	+8.6	4.00	34.4	11	14.4
719	14.2	23.7	A	N	3	426	60	06	26	59	40	+8.7	3.96	34.1	11	14.1
720	15.0	23.9	A	N	1	450	60	30	27	60	3	+8.9	4.01	35.7	11	15.7
721	14.4	23.9	A	N	2	432	60	12	27	59	45	+8.9	3.97	35.3	11	15.3
722	14.9	24.0	A	N	1	447	60	27	28	59	59	+9.0	4.00	36.0	11	16.0
723	15.1	5.5	A	N	1	453	60	33	31	60	2	-9.5	4.00	38.0	10	2.0
724	15.5	5.8	B	K-H	1	465	60	45	29	60	16	-9.2	4.03	37.1	10	2.9
725	15.9	6.0	A	N	1	477	60	57	28	60	29	-9.0	4.06	36.5	10	3.5
726	15.9	6.5	F 4429	K-H	1	477	60	57	26	60	31	-8.5	4.06	34.5	10	5.5
727	15.8	6.6	A	N	1	474	60	54	26	60	28	-8.4	4.06	34.1	10	5.4
728	15.8	6.6	A	N	1	474	60	54	26	60	28	-8.4	4.06	34.1	10	5.9

A.G.C. No. R.A. Dec. Magn.

15133 10 58.9-60 17 8 1/2 -4 +4
15138 10 59.1-60 8 9 -5 +1

15273 11 46-60 13 8 -0.3 +4

15313 11 6.5-59 50 7 3/4

15315 11 6.6-59 51 9 3/4

15333 11 7.4-59 34 8

15337 11 7.5-60 10 9 1/2
15341 11 7.6-60 9 8

15444 11 12.1-60 1 8 1/2 -0.3 +1

15487 11 14.1-59 42 8 0.0 +2

15515 11 15.6-59 43 8 1/2 +0.3 +2

15135 59 59.0-60 22 7.2
15138 59.1-60 8 9

15238 11 3.2-60 14 9 1/4

15273 11 4.6-60 13 8

C.V.D. 59 31.6 11 5.4-59 42 7.6

15337 11 7.5-60 10 9 1/2

15341 11 7.6-60 9 8

15444 11 12.1-60 1 8 1/2

June 15, 1894

Plate 9431

Hb Bl. Ann. Helmi Sm (3V) (53+3V) Can 8 (53+3V+1) (15-H)

R.A. 1900
10^h 40^m

729	15.9 6.9 Q	K-H	1	477	60	57	25	60	32	-8.1	4.06	32.9	10	7.1
730	15.8 7.1 Q	N	2	474	60	54	24	60	30	-7.9	4.06	32.1	10	7.9
731	15.3 7.0 Q 4430	N	1	459	60	39	24	60	15	-8.0	4.03	32.2	10	7.8
732	15.1 7.1 Q	N	1	453	60	33	24	60	9	-7.9	4.02	31.8	10	8.2
733	15.5 7.3 Q	N	1	465	60	45	23	60	22	-7.7	4.04	31.1	10	8.9
734	15.3 7.7 Q	N	1	459	60	39	22	60	17	-7.3	4.03	29.4	10	10.6
735	15.3 8.0 Q 4431	K-H	1	459	60	39	20	60	19	-7.0	4.04	28.3	10	11.7
736	15.2 8.2 Q 4432	K-H	1	456	60	36	20	60	16	-6.8	4.03	27.4	10	12.6
737	15.2 8.3 Q	N	1	456	60	36	20	60	16	-6.7	4.03	27.0	10	13.0
738	15.5 8.9 Q	N	1	465	60	45	18	60	27	-6.1	4.05	24.7	10	15.3
739	15.8 9.2 Q	N	3	474	60	54	18	60	38	-5.8	4.08	23.7	10	16.3
740	15.5 9.6 H	K-H	1	465	60	45	15	60	30	-5.4	4.06	21.9	10	18.1
741	15.7 9.7 Q	N	1	471	60	51	15	60	36	-5.3	4.07	21.6	10	18.4
742	15.6 9.9 Q	N	1	468	60	48	15	60	33	-5.1	4.07	20.8	10	19.2
743	16.0 10.1 Q	K-H	2	480	61	00	14	60	46	-4.9	4.09	20.0	10	20.0
744	15.4 10.2 Q	N	1	462	60	42	14	60	28	-4.8	4.06	19.5	10	20.5
745	15.6 10.4 Q	N	1	468	60	48	13	60	35	-4.6	4.07	18.7	10	21.3
746	15.1 10.7 Q	N	2	453	60	33	13	60	20	-4.3	4.04	17.4	10	22.6
747	15.2 11.5 Q 5.9	N	3	456	60	36	11	60	25	-3.5	4.05	14.2	10	25.8
748	15.7 11.5 Q	K-H	1	471	60	51	11	60	40	-3.5	4.08	14.3	10	25.7
749	15.6 11.8 Q	N	1	468	60	48	11	60	37	-3.2	4.07	13.0	10	27.0
750	16.0 11.9 Q	N	2	480	61	00	11	60	49	-3.1	4.10	12.7	10	27.3
+ 751	17.0 12.0 ma	N	2	510	62	30	10	62	20	-3.0	4.04	12.1	10	27.9
752	15.8 12.4 Q	N	1	474	60	54	10	60	44	-2.6	4.09	10.6	10	29.4
? 753	15.8 10.5 Q	N	1	474	60	54	13	60	41	-4.5	4.08	18.4	10	21.6
754	15.8 12.6 Q	N	1	474	60	54	10	60	44	-2.4	4.09	10.0	10	30.0
755	15.2 12.8 95K	K-H	3	456	60	36	9	60	27	-2.2	4.05	8.9	10	31.1
756	15.1 13.2 Q	N	1	453	60	33	9	60	24	-1.8	4.05	7.3	10	32.7

3384-7.78

ab. Br.

A.G.C. nr.	R.A. 1900	Dec. 1900	Magn.						
13988	10	11.0 - 60	11	9 1/4	-0.7 - 8				
13988	10	11.0 60	11	9 1/4					
14110	10	15.8 - 60	37	8 1/2	-0.5 - 1				
14110	10	15.8 60	37	8 1/2					
14205	10	19.7 - 60	46	8	-0.3 0				
14205	10	19.7 60	46	8					
14263	10	22.3 - 60	20	8 1/2	-0.3 0				
14263	10	22.3 60	20	8 1/2					
14328	10	25.3 - 60	23	7 1/2	-0.5 - 2				
14328	10	25.3 60	23	7 1/2					
14360	10	27.0 - 60	50	8 1/4	-0.3 - 1				
14360	10	27.0 60	50	8 1/4					
14362	10	27.1 - 60	51	6.9					
14362	10	27.1 60	51	6.9					
14441	10	30.6 - 60	29	6.9	-0.5 + 2				
14441	10	30.6 60	29	6.9					

June 15, 1894

Plate 9431

V-Hb Bl. Riv. K line Imb (3xV) (53+3V) (53+3V+8) (5-H)

R.A. 1900
10 40

757	15.6	13.6	A	N 1	468	60	48	9	60	39	-1.4	4.08	57	10	34.3
758	15.6	13.7	A	N 1	474	60	54	9	60	45	-1.3	4.09	53	10	34.7
759	15.2	14.1	B	4435 N 3	456	60	36	8	60	28	-0.9	4.06	37	10	36.3
760	16.0	14.2	F	4436 K=H 1	480	61	00	8	60	52	-0.8	4.10	33	10	36.7
761	15.2	14.1	A	N 1	456	60	36	8	60	28	-0.9	4.06	37	10	36.3
762	15.6	14.3	H	N 1	468	60	48	8	60	40	-0.7	4.08	29	10	37.1
763	15.4	14.5	A	N 2	462	60	42	8	60	34	-0.5	4.07	20	10	38.0
764	15.4	14.7	A	N 2	462	60	42	8	60	34	-0.3	4.07	12	10	38.8
765	15.1	14.8	F	K=H 1	453	60	33	8	60	25	-0.2	4.05	0.8	10	39.2
766	15.5	14.8	A	N 2	465	60	45	8	60	37	-0.2	4.07	0.8	10	39.2
767	15.2	14.9	A	N 3	456	60	36	8	60	28	-0.1	4.06	0.4	10	39.6
768	15.5	15.0	B	4437 N 3*	465	60	45	8	60	37	0.0	4.07	0.0	10	40.0
769	15.9	15.1	A	N 1	477	60	57	8	60	49	+0.1	4.10	0.4	10	40.4
770	15.9	15.2	A	N 2	477	60	57	8	60	49	+0.2	4.10	0.8	10	40.8
771	15.2	15.3	A	N 2	456	60	36	8	60	28	+0.3	4.06	1.2	10	41.2
772	15.7	15.3	A	N 1	471	60	51	8	60	43	+0.3	4.09	1.2	10	41.2
773	15.1	15.7	A	N 2	453	60	33	8	60	25	+0.7	4.05	2.8	10	42.8
774	15.4	15.5	A	N 1	462	60	42	8	60	34	+0.5	4.07	2.0	10	42.0
775	15.8	15.6	A	N 1	474	60	54	8	60	46	+0.6	4.09	2.5	10	42.5
776	15.8	15.7	A	N 1	474	60	54	8	60	46	+0.7	4.09	2.9	10	42.9
777	15.6	15.8	A	N 1	468	60	48	8	60	40	+0.8	4.08	3.3	10	43.3
778	15.5	16.3	A	N 2	465	60	45	8	60	37	+1.3	4.07	5.3	10	45.3
779	15.8	16.6	A	N 1	474	60	54	9	60	45	+1.6	4.09	6.5	10	46.5
780	15.7	16.7	A B	N 3	471	60	51	9	60	42	+1.7	4.08	6.9	10	46.9
781	15.1	17.8	B	K=H 1	453	60	33	10	60	23	+2.8	4.05	11.3	10	51.3
782	15.6	18.2	A	N 1	468	60	48	10	60	38	+3.2	4.08	13.1	10	53.1
783	15.5	18.3	A	N 2	465	60	45	11	60	34	+3.3	4.07	13.4	10	53.4
784	15.6	18.4	A	N 1	468	60	48	11	60	37	+3.4	4.07	13.8	10	53.8

a. b. m. ka. Dec. Magn.

14542 10 34.2-60 46 9 -0.5+1
 14583 10 35.7-60 28 7.1 -0.6 0

14542 10 34.2 60 46 9

~~14578~~

14583 10 35.7 60 28 7.1

14578 10 35.7 60 34 8

~~14578 10 35.7 60 34 8~~

14668 10 39.4-60 37 8 1/2
 14663 10 39.2-60 28 7.5 -0.4 0
 14664 10 39.3-60 39 7 1/2 -0.7 +2
 14671 10 39.6-59 48 8 1/2 -2.8 -1

14668 10 39.4 60 37 8 1/2
 14663 10 39.2 60 28 7.5
 14664 10 39.3 60 39 7 1/2

14846 10 46.8 60 44 8

14995 10 53.3-60 34 9 1/4 -0.1 0

14995 10 53.3 60 34 9 1/4

Continued in B 70, p. 4.

