KG
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884

HENRY DRAPER MEMORIAL.

Measures of Spectrum Plates
Southern Draper Catalogue
№ 70

KGN365.884.

11 43

Book 70

~~17~~

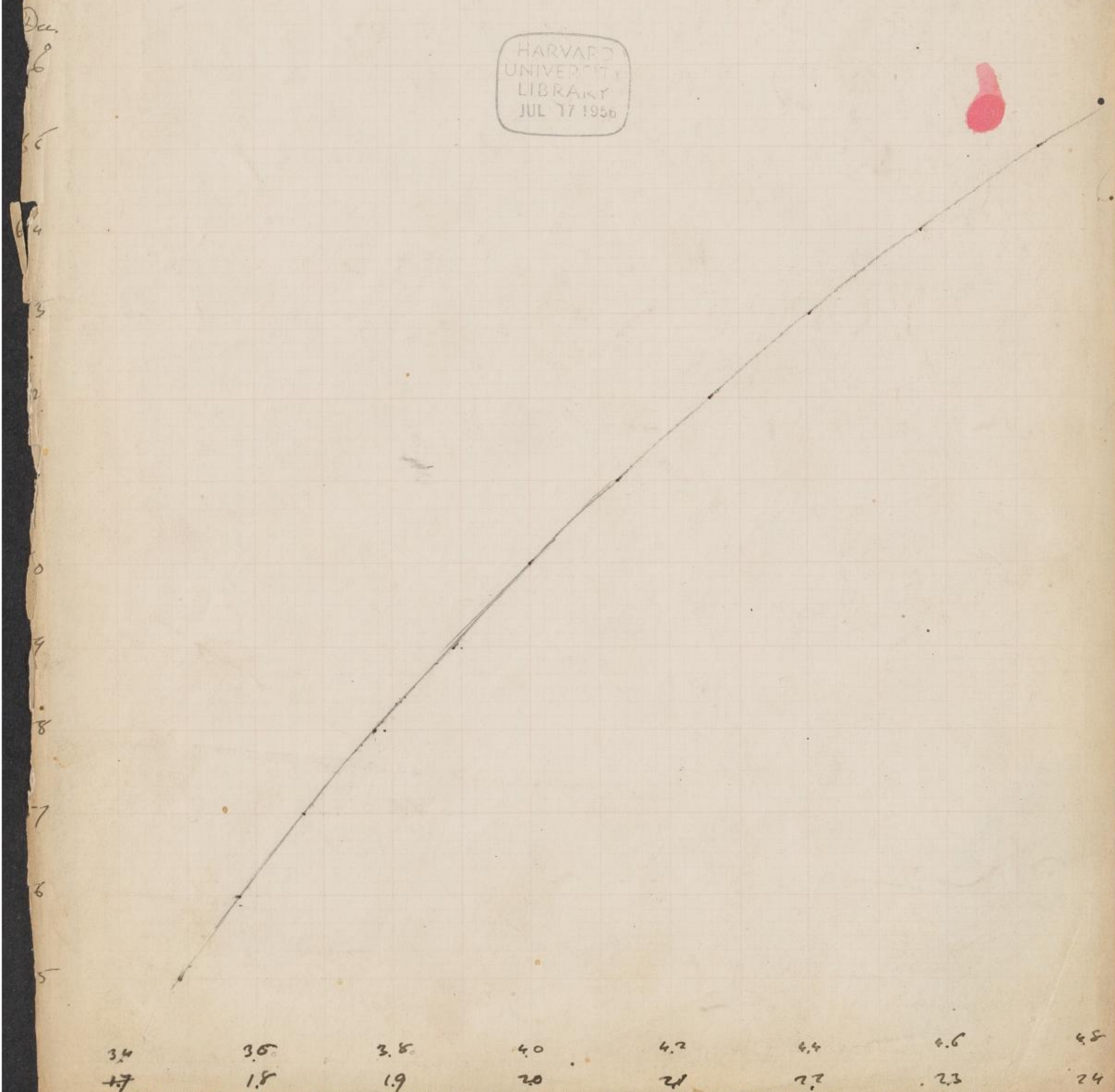
1

	1900 h				1875 h				
990	10	32.9	-62	44	10	32.0	-62	36	Z.C. 2322
998	10	46.8	-62	53	10	45.~~8~~ 9	-62	~~46~~ 45	Z.C. 3348 ✓
1027	10	31.0	-63	17	10	~~45.9~~ 30.1	-63	9	—
1028	10	32.3	-63	17	10	~~21.5~~ 31.4	-63	9	—
1029	10	34.1	-63	9	10	33.2	-63	1	Z.C. 2392 ✓ ~~Z.C. 2391~~
1030	10	35.0	-63	21	10	34.1	-63	13	~~Z.C. 2392?~~
1031	10	35.4	-63	12	10	34.5	-63	4	Z.C. 2520? ✓
1032	10	35.8	-63	18	10	34.9	-63	10	Z.C. 2550 ✓
1033	10	36.3	-63	12	10	35.4	-63	4	Z.C. 2559 ✓
~~1034~~	~~10~~	~~38.5~~	~~-62~~	~~60~~					
1035	10	39.8	-63	9	10	38.9	-63	1	Z.C. 2841 ✓
~~1038~~	~~10~~	~~44.3~~	~~-63~~	~~21~~					
1037	10	41.2	-63	18	10	40.3	-63	10	Z.C. 2923 ✓
1040	10	46.5	-63	8	10	45.6	- ~~62~~ 63	~~59~~ 0	Z.C. 3363 ✓?
1059	10	30.9	-63	26	10	30.0	-63	18	—
1063	10	32.6	-63	44	10	31.7	-63	36	Z.C. 2300 ✓
	10	40.3	-63	33	10	39.4	-63	25	G.Z.C. 14681 ✓
	10	42.1	-63	45	10	~~43.2~~ 41.2	-63	37	~~G.Z.C. 14800~~ ~~Z.C. 3152~~
	0	48.0	-63	41	10	47.~~0~~ 1	-63	~~34~~ 33	—
		45.3	-63	45	10	44.4	-63	~~38~~ 37	—
		50.6	-63	28	10	49.~~6~~ 7	-63	20	3617 ✓

11.43
1905
2.0.193

η Carinae

KG 11365.884



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1894phae.proj..88S

1894phae.proj..885E

Plate No.	Page.
B 9431	4
7748	32
9489	120
2348	130
15132	138
22566	166
12012	182

4

Book 70

Continued from B69 p. 218.

June 20, 1894

Plate 9431 Cont.

812 10

	V	H	Cl.	Rum. No.	Kline	Int.	(Vx3)	(53+3V)	Cor.	A (3V+53+A)	(15-H)			R.A. 1900 10h	40m.
785	15.9	18.8	a		N	3	477	60 57	12	60 45	+3.8	4.09	15.5	10	55.5
786	15.8	19.3	B	4438	N	2	474	60 54	13	60 41	+4.3	4.08	17.5	10	57.5
787	15.4	19.4	aa		N	1	462	60 42	13	60 29	+4.4	4.06	17.9	10	57.9
788	15.3	20.0	E F ?	4439	K=H	1	456	60 36	14	60 22	+5.0	4.04	20.2	11	0.2
789	15.5	20.2	B	4440	N	2	465	60 45	15	60 30	+5.2	4.06	21.1	11	1.1
? 790	15.8	22.2	a		N	1	474	60 54	21	60 33	+7.2	4.07	29.3	11	9.3
791	15.9	20.4	a		N	2	477	60 57	15	60 42	+5.4	4.08	22.0	11	2.0
792	15.5	20.5	a		N	2	465	60 45	16	60 29	+5.5	4.06	22.3	11	2.3
793	15.1	21.0	B	4441	N	2	453	60 33	17	60 16	+6.0	4.03	24.2	11	4.2
794	15.3	21.2	a		N	2	459	60 39	18	60 21	+6.2	4.05	25.1	11	5.1
795	16.0	21.0	a		N	1	480	61 00	17	60 43	+6.0	4.09	24.5	11	4.5
796	16.0	21.3	a		N	1	480	61 00	18	60 42	+6.3	4.08	25.7	11	5.7
797	15.4	21.5	C		N	2	462	60 42	19	60 23	+6.5	4.05	26.3	11	6.3
798	15.3	21.6	E		K=H	1	459	60 39	19	60 20	+6.6	4.04	26.7	11	6.7
799	15.4	22.1	a		K=0.3H	2	462	60 42	21	60 21	+7.1	4.04	28.7	11	8.7
800	15.1	22.2	a		N	1	453	60 33	21	60 12	+7.2	4.02	28.9	11	8.9
801	15.1	22.4	F	4442	K=H	1	453	60 33	21	60 12	+7.4	4.02	29.7	11	9.7
802 802a	15.4	23.1	a		N	1	462	60 42	24	60 18	+8.1	4.04	32.7	11	12.7
803	15.3	23.6	a		N	1	459	60 39	26	60 13	+8.6	4.03	34.7	11	14.7
804	15.6	23.7	a		N	1	468	60 48	26	60 22	+8.7	4.04	35.1	11	15.1
805	16.0	23.5	F	4443	K=H	1	480	61 00	25	60 35	+8.5	4.07	34.6	11	14.6
806	15.9	23.9	a		N	2	477	60 57	27	60 30	+8.9	4.06	36.1	11	16.1
807	16.3	6.0	K		K=H	2	489	61 09	28	60 41	-9.0	4.08	36.7	10	3.3
808	16.4	6.3	a		N	3	492	61 12	27	60 45	-8.7	4.09	35.6	10	4.4
809	16.6	6.7	a		N	1	498	61 18	26	60 52	-8.3	4.10	34.0	10	6.0
810	16.3	6.7	g		K=H	2	489	61 09	26	60 43	-8.3	4.09	33.9	10	6.1
811	16.9	6.9	Dib.		N	2	507	61 27	25	61 2	-8.1	4.12	33.4	10	6.6
812	16.3	7.4	F	4444	K=H	2	489	61 09	23	60 46	-7.6	4.09	31.1	10	8.9

A.G.C. Nr.	R.A. 1900		Dec. 1900		Magn.	m
15040	10	55.2	-60	47	7.0	-0.3+2
15159	11	0.1	-60	26	8½	-0.1+4
15176	11	0.8	-60	31	8	-0.3+1
15210	11	2.0	-60	42	9	
15209	11	1.9	-60	31	8½	-0.4+2
15258	11	3.9	-60	17	8	-0.3+1
15276	11	4.7	-60	22	8½	-0.4+1
15305	11	5.8	-60	26	8	-0.5+3
15308	11	6.0	-60	23	8¾	-0.7+3
15358	11	8.4	-60	23	8½	-0.3 0
15385	11	9.4	-60	12	8¼	-0.3 0
15456	11	12.7	-60	23	9	
15524	11	16.0	-60	33	7¼	
13804	10	2.6	-60	41	7½	-0.7 0
13823	10	3.9	-60	43	7½	-0.5 -2
13866	10	5.7	-60	42	7¾	-0.4 -1
13882	10	6.2	-61	3	var.	-.04 -1

15040	10	55.2	60	47	7.0
15087	10	57.1	60	41	8½
15094	10	57.5	60	31	8
15159	11	0.1	60	26	8½
15176	11	0.8	60	31	8
15210	11	2.0	60	42	9
15209		1.9	60	31	8½
15258	11	3.9	-60	17	8
~~15276~~	~~11~~	~~4.7~~	~~60~~	~~22~~	~~8½~~
~~15258~~	~~11~~	~~3.9~~	~~60~~	~~17~~	~~8~~
~~15305~~	~~11~~	~~5.8~~	~~60~~	~~26~~	~~8~~
15276	11	4.7	60	22	8½
15305	11	5.8	60	26	8
~~15323~~		~~6.8~~	~~60~~	~~34~~	~~8¾~~
15308	11	6.0	60	23	8¾
15358	11	8.4	60	23	8½
15385	11	9.4	60	12	8¼
15456	11	12.7	60	23	9
~~15408~~	~~11~~	~~10.7~~			
3611 1093					
15524	11	16.0	60	33	7¼
13866	10	5.7	60	42	7¾
13882	10	6.2	61	3	var.

June 20, 1894

Plate 9431

		V	H	Cl	Rem Nr.	Kline	Int	(3×V)	(53+3V)	Cor. A	(53+3V+A)	(15-H)			R.A. 1900 10h 40m
	813	16.9	7.5	B	4445	N	3	507	61 27	22	61 5	-7.5	4.14	31.0	10 9.0
	814	16.2	7.7	a		N	2	486	61 6	22	60 44	-7.3	4.09	29.9	10 10.1
	815	15.9	8.0	a		N	1	477	60 57	20	60 37	-7.0	4.07	28.5	10 11.5
	816	16.3	8.0	a		K=H	1	489	61 9	20	60 49	-7.0	4.10	28.7	10 11.3
X S.m.P.3260 6.68	817	17.0	7.9	B	Ar. Br. 5.5 4446	N	3	510	61 30	21	61 9	-7.1	4.14	29.4	10 10.6
X 3.42 3293 X	818	16.2	8.7	G5K	Ar. Br. 4.7 5.0}	K=1.5H	4	486	61 6	18	60 48	-6.3	4.10	25.8	10 14.2
	819	17.0	8.8	a		N	1	510	61 30	18	61 12	-6.2	4.15	25.7	10 14.3
	820	16.4	9.1	H		N	1	492	61 12	17	60 55	-5.9	4.11	24.2	10 15.8
	821	17.0	9.2	a		N	1	510	61 30	16	61 14	-5.8	4.15	24.1	10 15.9
	822	16.9	9.5 n	a 7 F	4447	K=H	1	507	61 27	16	61 11	-5.5	4.15	22.8	10 17.2
	823	16.9	10.3	H		N	1	507	61 27	14	61 13	-4.7	4.15	19.5	10 20.5
	824	16.6	10.4	F	4448	K=H	1	498	61 18	13	61 5	-4.6	4.14	19.0	10 21.0
	825	16.6	10.5	a		N	2	498	61 18	13	61 5	-4.5	4.14	18.6	10 21.4
	826	16.8	11.5	F	4449	K=H	1	504	61 24	11	61 13	-3.5	4.16	14.6	10 25.4
	827	16.6	12.0	a		N	2	498	61 18	10	61 8	-3.0	4.15	12.4	10 27.6
	828	16.6	12.1	a		N	2	498	61 18	10	61 8	-2.9	4.15	12.0	10 28.0
X 3.62 3406 X	829	16.4	12.3	a?	Ar. Br. B 4450	N	5	492	61 12	10	61 2	-2.7	4.13	11.2	10 28.8
	830	16.0	12.9	a		N	1	480	61 0	9	60 51	-2.1	4.10	8.6	10 31.4
	831	17.0	13.3	a		N	2	510	61 30	9	61 21	-1.7	4.17	7.1	10 32.9
	832	16.6	13.6	a		N	1	498	61 18	9	61 9	-1.4	4.15	5.8	10 34.2
	833	16.4	13.6	H		N	1	492	61 12	9	61 3	-1.4	4.14	5.8	10 34.2
	834	16.7	14.0	Dia		N	2	501	61 21	8	61 13	-1.0	4.16	4.2	10 35.8
	835	16.4	14.9	a		N	1	492	61 12	8	61 4	-0.1	4.14	0.4	10 39.6
	836	16.4	14.4	F	4451	K=H	1	492	61 12	8	61 4	-0.6	4.14	2.5	10 37.5
	837	16.3	14.6	a		N	1	489	61 9	8	61 1	-0.4	4.13	1.7	10 38.3
	838	16.1	14.7	a		N	1	483	61 3	8	60 55	-0.3	4.11	1.2	10 38.8
	839	16.8	15.4	a		N	1	504	61 24	8	61 16	+0.4	4.16	1.7	10 41.7
	840	16.5	15.6	a		K=H	2	495	61 15	8	61 7	+0.6	4.14	2.5	10 42.5

A.G.C. N.	R.A. 1900		Dec. 1900		Magn.		
13932	10	8.6	-61	2	7¾	-0.4	-3
13954	10	9.7	-60	41	8¾	-0.4	-3
13964	10	10.1	-61	9	6.9	-0.5	0
	h	m					
A.G.C. 14054	10	13.7	-60	50	3.3	-0.5	+2
14101	10	15.5	-60	53	8½	-0.3	-2
14211	10	20.0	-61	13	8¼	-0.5	0
14220	10	20.3	-61	4	8	-0.7	-1
14239	10	21.0	-61	3	7½	-0.4	-2
	h	m					
A.G.C. 14392	10	28.5	61	11	3.6	-0.3	+9
14530	10	33.8	-61	9	9¼	-0.4	0

13932	10	8.6	61	2	7¾
13954	10	9.7	60	41	8¾
13964	10	10.1	61	9	6.9
14054	10	13.7	60	50	3.3
14101	10	15.5	60	53	8½
14211	10	20.0	61	13	8¼
14220	10	20.3	61	4	8
14239	10	21.0	61	3	7½
14392	10	28.5	61	11	3.6
14530	10	33.8	61	9	9¼

June 20, 1894

Plate 9431

	V	H	Cl.	Rem. No.	Kline Int	(3×V)	(53+3V)		Corr A	(53+3V+A)		(15-H)			R.A. 1900 10h	40m.
841	16.7	16.2	ȧ		N 1	501	61	21	8	61	13	+1.2	4.16	5.0	10	45.0
842	16.9	16.4	ȧ		N 1	507	61	27	8	61	19	+1.4	4.17	5.8	10	45.8
843	16.8	16.6	~~ȧ~~ F	4452	~~N~~ K=H 1	504	61	24	9	61	15	+1.6	4.16	6.7	10	46.7
844	16.4	16.8	ȧ		N 1	492	61	12	9	61	3	+1.8	4.14	7.5	10	47.5
845	16.6	17.0	ȧ		N 1	498	61	18	9	61	9	+2.0	4.15	8.3	10	48.3
846	16.1	17.1	ȧ		N 3	483	61	3	9	60	54	+2.1	4.11	8.6	10	48.6
847	16.5	17.4	ȧ		N 2	495	61	15	9	61	6	+2.4	4.14	9.9	10	49.9
848	16.8	17.6	ȧ ~~K=H~~		K=H 3	504	61	24	10	61	14	+2.6	4.16	10.8	10	50.8
849	16.2	17.8	ȧ		N 1	486	61	6	10	60	56	+2.8	4.11	11.5	10	51.5
850	~~16.8~~ 16.2	~~16.6~~ 17.9	~~ȧ~~ ȧ	~~4452~~	~~K=H~~ N 1	486	61	6	10	60	56	+2.9	4.11	11.9	10	51.9
851	16.7	18.0	ȧ		N 2	501	61	21	10	61	11	+3.0	4.15	12.4	10	52.4
852	16.6	18.2	Ḃ	4453	N 3	498	61	18	10	61	8	+3.2	4.15	13.3	10	53.3
853	16.2	18.3	ȧ		N 1	486	61	6	11	60	55	+3.3	4.11	13.6	10	53.6
854	16.4	19.4	ȧ	4454	N 3	492	61	12	13	60	59	+4.4	4.13	18.2	10	58.2
855	16.4	20.1	ḋ		K=H 2	492	61	12	15	60	57	+5.1	4.11	21.0	11	1.0
856	16.7	20.2	ȧ		N 1	501	61	21	15	61	6	+5.2	4.14	21.5	11	1.5
857	16.8	20.5	ȧ		N 1	504	61	24	16	61	8	+5.5	4.15	22.8	11	2.8
— 858	16.2	20.8	Ḃ	4455	N 2	486	61	6	17	60	49	+5.8	4.10	23.8	11	3.8
859	16.7	21.0	ȧ		N 2	501	61	21	17	61	4	+6.0	4.14	24.8	11	4.8
— 860	16.6	21.1	Ḃ	4456	N 3	498	61	18	18	61	0	+6.1	4.13	25.2	11	5.2
861	16.2	22.3	ȧ		N 1	486	61	6	21	60	45	+7.3	4.09	29.9	11	9.9
862	16.8	22.4	ȧ		N 2	504	61	24	22	61	2	+7.4	4.13	30.6	11	10.6
863	16.9	23.2	ḋ		K=H 2	507	61	27	24	61	3	+8.2	4.14	33.9	11	13.9
864	17.0	23.5	ȧ		N 2	510	61	80	26	61	4	+8.5	4.14	35.2	11	15.2
865	16.2	24.2	ḋ		K=H 2	486	61	6	28	60	38	+9.2	4.08	37.5	11	17.5
866	17.8	5.7	ȧ		N 3	534	61	54	30	61	24	−9.3	4.18	38.9	10	1.1
867	17.5	6.0	Ḣ		N 1	525	61	45	28	61	17	−9.0	4.16	37.4	10	2.6
1 .0 868	17.5	6.7	ḋ		K=H 2	525	61	45	26	61	19	−8.3	4.17	34.6	10	5.4

A.G.C. Nr.	R.A. 1900		Dec. 1900		Magn.	
14914	10	49.6	-61	8	9½	-0.3-2
14942	10	50.6	-61	18	7	-0.2-4
14981	10.	52.6	-61	10	7½	-0.7 +2
15169	11	0.4	-60	57	7¾	-.0.6 0
15265	11	4.3	-61	5	8	-0.5 +1
15274	11	4.6	-61	1	9½	(magn ? rur?)
15392	11	10.1	-61	2	8½	-0.5 0
15547	11	17.2	-60	41	7¾	-0.3 +3

14914	10	49.6	~~58~~ 61	~~15~~ 8	9½
14942	10	50.6	61	18	7
14981	10	52.6	61	10	7½
15169	11	0.4	60	57	7¾
C.P.D.(1875) -60° ~~2543~~ 2539	h 11	m s 2 19.5	-60°	′ 42.3	8.2
? 15265	11	4.3	61	5	8
C.P.D.(1875) -60° ~~2562~~ 2558	h 11	m s 3 35.0	-60°	′ 52.9	7.5
15392	11	10.1	61	2	8½
15547	11	17.2	60	41	7¾
13852	10	5.1	61	16	6¼

June 21, 1894

Plate 9431

~~2~~3ʰ 11ᵐ 7½ V H Cl. Rem. Nr. Kline Int. (V×3)(53+3V) Corr. A·(3V+53+A)(15−H) R.A. 1900 10ʰ 40ᵐ

869	17.7	6.9	ȧ		N.	1	531	61° 51′	25	61° 26′	−8.1	4.18	33.9	10	6.1
870	17.4	7.4	Ġ5K		K=H	2	522	61 42	23	61 19	−7.6	4.17	31.7	10	8.3
871	17.4	7.8	ȧ		N	1	522	61 42	21	61 21	−7.2	4.17	30.0	10	10.0
872	17.1	7.6	ȧ		N	1	513	61 33	22	61 11	−7.4	4.15	30.7	10	9.3
873	18.0	8.1	ȧ		N	2	540	62 0	20	61 40	−6.9	4.21	29.0	10	11.0
874	17.5	8.1	ȧ		N	1	525	61 45	20	61 25	−6.9	4.18	28.8	10	11.2
875	17.1	8.2	ȧ		N	1	513	61 33	20	61 13	−6.8	4.16	28.3	10	11.7
876	17.5	9.2	a		N	1	525	61 45	16	61 29	−5.8	4.19	24.3	10	15.7
877	18.0	9.5	ȧ		K=H	2	540	62 0	16	61 44	−5.5	4.22	23.2	10	16.8
878	17.5	9.8	Ḣ		N	1	525	61 45	15	61 30	−5.2	4.19	21.8	10	18.2
879	17.2	10.0	Mȧ		N	2	516	61 36	14	61 22	−5.0	4.17	20.8	10	19.2
880	17.6	10.0	Ė		K=H	1	528	61 48	14	61 34	−5.0	4.20	21.0	10	19.0
881	17.6	10.2	ȧ		N	3	528	61 48	14	61 34	−4.8	4.20	20.2	10	19.8
882	17.3	10.3	a		N	1	519	61 39	14	61 25	−4.7	4.18	19.6	10	20.4
883	17.5	10.5	a6	F 4457	K=H	2	525	61 45	13	61 32	−4.5	4.19	18.9	10	21.1
884	17.2	10.7	Ḣ		N	1	516	61 36	13	61 23	−4.3	4.18	18.0	10	22.0
885	17.4	11.2	Ḟ	4458	K=H	3	522	61 42	12	61 30	−3.8	4.19	15.9	10	24.1
886	17.6	11.8	Ḟ	4459	K=H	1	528	61 48	11	61 37	−3.2	4.20 9	13.4	10	26.6
887	17.4	12.2	ȧ		N	1	522	61 42	10	61 32	−2.8	4.18	11.7	10	28.3
888	17.3	12.6	Ḟ	4460	K=H	1	519	61 39	10	61 29	−2.4	4.19	10.1	10	29.9
889	17.1	13.1	a		N	1	513	61 33	9	61 24	−1.9	4.18	7.9	10	32.1
890	17.7	13.4	ȧ		N	1	531	61 51	9	61 42	−1.6	4.21	6.7	10	33.3
891	17.5	13.7	a		N	2	525	61 45	9	61 36	−1.3	4.20	5.5	10	34.5
892	17.8	14.0	ȧ		N	1	534	61 54	8	61 46	−1.0	4.22	4.2	10	35.8
893	17.8	14.1	ȧ	4461	N	1	534	61 54	8	61 46	−0.9	4.22	3.8	10	36.2
894	17.1	14.8	a		N	1	513	61 33	8	61 25	−0.2	4.18	0.8	10	39.2
895	17.1	14.5	H		N	1	510	61 30	8	61 22	−0.5	4.17	2.1	10	37.9
896	18.0	14.5	ȧ		N	1	540	62 00	8	61 52	−0.5	4.23	2.1	10	37.9

A.G.C. Nr.	R.A. 1900	Dec. 1900	Magn.	
13919	10 8.0	-61 16	8	-0.3 -3
14187	10 18.7	-61 21	7¼	-0.5 -1
14178	10 18.5	-61 32	8¾	-0.5 -2
14200	10 19.2	-61 34	8	-0.6 0
14297	10 23.7	-61 30	9	

13919	10 8.0	61 16	8
14187	10 18.7	61 21	7¼
14178	10 18.5	61 32	8¾
14200	10 19.2	61 34	8
14299	10 23.8	61 31	8

June 21, 1894

Plate 9431

S.m.P. X 3679 5.47 X

	δ	H	Cl.	Rum. No.	Kline Int	(V×3)	(53+3V)	Corr A	(53+3V+A)	(15−H)			R.A. 1900 10h 40m
897	18.0	14.7	a		N 1	540	62 0	8	61 52	−0.3	4.23	1.3	10 38.7
898	17.6	14.8	H		N 1	528	61 48	8	61 40	−0.2	4.21	0.8	10 39.2
899	17.4	15.0	a		K=H 1	522	61 42	8	61 34	0.0	4.20	0.0	10 40.0
900	17.4	15.3	a		K=H 2	522	61 42	8	61 34	+0.3	4.20	1.3	10 41.3
901	17.1	15.7	B	4462	N 3	513	61 33	8	61 25	+0.7	4.18	2.9	10 42.9
902	17.5	15.9	E		K=H 1	525	61 45	8	61 37	+0.9	4.20	3.8	10 43.8
903	17.3	16.1	a		K=0.2H 2	519	61 39	8	61 31	+1.1	4.19	4.6	10 44.6
904	17.4	16.5	a		N 2	522	61 42	9	61 33	+1.5	4.20	6.3	10 46.3
905	17.7	16.7	a		N 1	531	61 51	9	61 42	+1.7	4.21	7.2	10 47.2
906	17.9	16.9	H		K=H 1	537	61 57	9	60 48	+1.9	4.10	7.8	10 47.8
907	17.5	16.1	a5. F	4463	K=H 1	525	61 45	8	61 37	+1.1	4.20	4.6	10 44.6
908	17.3	17.3	Ma		N 1	519	61 39	10	61 29	+2.3	4.19	9.6	10 49.6
909	17.4	17.5	H		N 1	522	61 42	10	61 32	+2.5	4.19	10.5	10 50.5
910	17.1	18.6	a		N 1	513	61 33	11	61 22	+3.6	4.17	15.0	10 55.0
911	17.6	19.0	a		N 1	528	61 48	12	61 36	+4.0	4.20	16.8	10 56.8
912	17.2	19.7	a		K=0.5H 2	516	61 36	13	61 23	+4.7	4.18	19.6	10 59.6
913	17.0	19.7	a		N 1	510	61 30	13	61 17	+4.7	4.16	19.6	10 59.6
914	17.6	19.8	a		N 1	528	61 48	14	61 34	+4.8	4.20	20.2	11 0.2
915	17.2	20.2	F	4464	K=H 1	516	61 36	15	61 21	+5.2	4.17	21.7	11 1.7
916	17.2	20.5	a		N 2	516	61 36	16	61 20	+5.5	4.17	22.9	11 2.9
917	17.3	20.9	a ~~B~~	Ol.Br. 4.7 4465	K=0.3H ~~N~~ 4	519	61 39	17	61 22	+5.9	4.17	24.6	11 4.6
918	17.1	21.4	a		K=H 1	513	61 33	19	61 14	+6.4	4.16	26.6	11 6.6
919	17.1	21.8	G		K=H 2	513	61 33	20	61 13	+6.8	4.16	28.3	11 8.3
920	17.7	23.1	a		N 1	531	61 51	24	61 27	+8.1	4.18	33.9	11 13.9
921	18.4	5.6	I		K=H 2	552	62 12	31	61 41	−9.4	4.21	39.6	10 0.4
922	18.8	5.6	a		N 1	564	62 24	31	61 53	−9.4	4.25	40.0	10. 0.0
923	18.6	5.9	F	4466	K=H 1	558	62 18	29	61 49	−9.1	4.23	38.5	10 1.5
924	18.7	6.6	F	4467	K=H 1	561	62 21	26	61 55	−8.4	4.25	35.7	10 4.3

AGC Nr.	R.A. 1900		Dec. 1900		Magn.		
14755	10	42.4	-61	25	7 3/4	-0.5	0
14893	10	49.0	-61	29	8 1/2	-0.6	0
14931	10	50.2	-61	31	8	-0.3	-1
15136	10	59.0	-61	21	9		
15137	10	59.1	-61	14	7 3/4		
A.G.C. 15269	h. 11	4.4	-61	24	6.0		
15349	11	7.9	-61	13	8 1/2	-0.4	0
30	10	1.2	61	49	10	-0.3	0

14755	10	42.4	61	25	7 3/4
15136	10	59.0	61	21	9
15137	10	59.1	-61	14	7 3/4
15269	11	4.4	61	24	6.0
15849	11	7.9	61	13	8 1/2

June 21. 1894

Plate 9431

	V	H	Cl	Rem:	Nr. Kline	(V×3)	(53+3V)		(Corr. A)	(53+3V+A)		(15−H)			R.A. 1900	
							°	′	′	°	′				h 10	m 40
925	18.1	6.6	a		N 2	543	62	3	26	61	37	−8.4	4.20	35.3	10	4.7
926	18.4	6.7	a		N 2	552	62	12	26	61	46	−8.3	4.22	35.0	10	5.0
927	18.3	6.8	a		N 3	549	62	9	25	61	44	−8.2	4.22	34.6	10	5.4
928	18.4	8.1	a		N 1	552	62	12	20	61	52	−6.9	4.23	29.2	10	10.8
929	18.8	8.1	a		N 2	564	62	24	20	62	4	−6.9	4.27	29.5	10	10.5
930	19.0	8.3	a		N 1	570	62	30	19	62	11	−6.7	4.28	28.7	10	11.3
931	18.6	8.4	a		N 1	558	62	18	19	61	59	−6.6	4.26	281	10	11.9
932	18.3	8.4	a		N 1	549	62	9	19	61	50	−6.6	4.23	27.9	10	12.1
933	18.7	8.6	a		N 3	561	62	21	19	62	2	−6.4	4.26	27.3	10	12.7
934	18.3	8.8	a	s 7 4468	K=H 2	549	62	9	18	61	51	−6.2	4.23	26.2	10	13.8
935	18.9	9.2	a		N 1	567	62	27	16	62	11	−5.8	4.28	24.8	10	15.2
936	18.3	9.7	a		N 1	549	62	9	15	61	54	−5.3	4.25	22.5	10	17.5
937	19.0	9.7	7	4469	K=H 1	570	62	30	15	62	15	−5.3	4.29	22.7	10	17.3
938	19.0	10.0	7		K=H 1	570	62	30	14	62	16	−5.0	4.29	21.4	10	18.6
939	18.1	10.3	a		N 1	543	62	3	14	61	49	−4.7	4.23	19.9	10	20.1
940	18.2	10.2	a		N 2	546	62	6	14	61	52	−4.8	4.23	20.3	10	19.7
941	18.5	11.7	a		N 3	555	62	15	11	62	4	−3.3	4.27	14.1	10	25.9
942	18.7	11.9	a		N 1	561	62	21	11	62	10	−3.1	4.28	13.3	10	26.7
943	18.8	12.0	a	7 4470	K=H 2	564	62	24	11	62	13	−3.0	4.29	12.9	10	27.1
944	18.4	12.0	a		N 2	552	62	12	11	62	1	−3.0	4.26	12.8	10	27.2
945	18.9	12.8	a		K=H 1	567	62	27	9	62	18	−2.2	4.30	9.5	10	30.5
946	18.4	13.0	7	4471	K=H 1	552	62	12	9	62	3	−2.0	4.27	8.5	10	31.5
947	18.4	14.0	a		N 1	552	62	12	8	62	4	−1.0	4.27	4.3	10	35.7
948	18.8	14.0	a		N 1	564	62	24	8	62	16	−1.0	4.29	4.3	10	35.7
949	18.7	14.1	a		N 2	561	62	21	8	62	13	−0.9	4.29	3.9	10	36.1
950	18.5	15.3	a		N 1	555	62	15	8	62	7	+0.3	4.27	1.3	10	38.7
951	18.7	15.4	7	4472	K=H 1	561	62	21	8	62	13	+0.4	4.29	1.7	10	38.3
12 10 952	18.7	15.5	a		N 1	561	62	21	8	62	13	+0.5	4.29	2.1	10	37.9

A.G.C. Nr.	R.A. 1900		Dec. 1900		Magn.								
13832	10	4.3	-61	35	8 3/4	-0.4	-2	13832	10	4.3	61	35	8 3/4
13834	10	4.4	-61	45	7 3/4	-0.6	-1	138834	10	4.4	61	45	7 3/4
13845	10	4.8	-61	44	6.9	-0.6	0	13845	10	4.8	61	44	6.9
14033	10	12.3	-62	2	7 1/2	-0.4	0	14033	10	12.3	62	2	7 1/2
								14330	10	25.4	62	5	8 1/4
								14331		25.4	62	5	8
14332	10	25.4	-62	3	7 3/4	-0.5	-1	14332		25.4	62	3	7 3/4
14351	10	26.6	-62	12	8 1/4	-0.5	-1	14351	10	26.6	62	12	8 1/4
1								14446	10	30.8	62	12	7 1/2

12/8

Plate 9431 Cont. June 27. 1894.

	20	♂	Hc	Cl.	Rem. No.	Kline	In	(V×3)	(53+3V)	(Corr. A)	(53+3V+A)	(15−H)			R.A. 1900 10h 40m
	953	18.8	15.7	a		N	1	564	62° 24	8	62 16	+0.7	4.29	3.0	10 40.7
	954	19.0	16.1	a		N	1	570	62 30	8	62 22	+1.1	4.30	4.7	10 44.7
	955	18.3	16.2	a		K=H	2	549	62 9	8	62 1	+1.2	4.26	5.1	10 45.1
	956	18.8	16.4	a		N	1	564	62 24	8	62 16	+1.4	4.29	6.0	10 46.0
	957	18.4	16.6	7B	4473	N	3	552	62 12	9	62 3	+1.6	4.27	6.8	10 46.8
	958	18.9	16.9	B	4474	N	3	567	62 27	9	62 18	+1.9	4.30	8.2	10 48.2
	959	18.2	18.3	H		N	1	546	62 6	11	61 55	+3.3	4.25	14.0	10 54.0
	960	18.7	18.3	a		N	1	561	62 21	10	62 11	+3.3	4.28	14.1	10 54.1
	961	18.2	18.8	J		K=H	2	546	62 6	12	61 54	+3.8	4.25	16.2	10 56.2
	962	18.6	19.0	a		N	1	558	62 18	12	62 6	+4.0	4.27	17.1	10 57.1
	963	18.2	19.1	E		K=H	1	546	62 6	12	61 54	+4.1	4.25	17.4	10 57.4
	964	18.3	19.5	7	4475	K=H	1	549	62 9	13	61 56	+4.5	4.25	19.1	10 59.1
	965	18.2	19.6	a		N	1	546	62 6	13	61 53	+4.6	4.25	19.6	10 59.6
	966	18.4	19.8	a		K=H	1	552	62 12	14	61 58	+4.8	4.26	20.4	11 0.4
4.80 X S.m.O. 3662	967	18.1	20.4	G	Cl.Br. 4.5	K=1.2H	4	543	62 3	15	61 48	+5.4	4.24	22.9	11 2.9
	968	18.4	21.8	a		N	1	552	62 12	20	61 52	+6.8	4.24	28.8	11 8.8
	969	18.5	23.9	a		N	1	555	62 15	27	61 48	+8.9	4.24	37.7	11 17.7
	970	18.7	24.1	7	4476	K=H	1	561	62 21	28	61 53	+9.1	4.25	38.7	11 18.7
	971	18.5	24.2	H		N	1	555	62 15	28	61 47	+9.2	4.22	38.8	11 18.8
	972	18.0	24.3	a		K=H	1	540	62 0	29	61 31	+9.3	4.19	39.0	11 19.0
	973	19.9	5.6	a N		N	2	597	62 57	31	62 26	−9.4	4.31	40.5	~~10~~ 9 55.5
	974	19.7	6.4	G2K		K=H	2	591	62 51	27	62 24	−8.6	4.31	37.1	10 2.9
	975	19.2	6.8	2	4477	N	2	576	62 36	25	62 11	−8.2	4.28	35.1	10 4.9
	976	19.5	9.1	E		K=H	1	585	62 45	24	62 21	−7.9	4.30	34.0	10 6.0
	977	19.1	7.4	a		K=H	1	573	62 33	23	62 10	−7.6	4.28	32.5	10 7.5
	978	19.5	8.9	a		K=H	1	585	62 45	18	62 27	−6.1	4.31	26.3	10 13.7
	979	19.6	10.0	a 37	4478	K=H	2	588	62 48	14	62 34	−5.0	4.34	21.7	10 18.3
	980	19.6	10.4	a		N	1	588	62 48	13	62 35	−4.6	4.34	20.0	10 20.0
	981	19.7	10.6	a		K=H	1	591	62 51	13	62 38	−4.4	4.35	19.1	10 20.9

A.G.C. Nr.	R.A. 1900		Dec. 1900		Magn.		
14840	10	46.4	-62	6	7½	-0.4	-3
15000	10	53.6	-61	58	8¾	-04	+3
15056	10	55.6	-61	57	7	∓0.6	+3
15222	11	2.4	-61	53	5.3	-0.5	+5
96	10	23.6	62	22	8	-0.6	-2

14840	10	46.4	62	~~2~~ 6	7½
14867	10	47.8	62	23	8
15000	10	53.6	61	58	8¾
1					
15056	10	55.6	-61	57	7
15222	11	2.4	61	53	5.3

Pl. 9431 June 27, 1894 +2' −6m

Lum. F. Br.	No.	v H Cl.	Rem.	Kline Int.	(V×3)	(53+3V)	(Corr. A)	Comp. Dec. (53+3V+A)	(15−H)			Comp. R.A. R.A. 1900 10h 40m
	982	19.8 11.1 Ee		K=H 1	594	62 54	12	62 42	−3.9	4.35	17.0	10 23.0
	983	19.1 11.1 I		K=H 2	573	62 33	12	62 21	−3.9	4.30	16.8	10 23.2
	984	20.0 11.2 A		K=0H 3	600	63 00	12	62 48	−3.8	4.38	16.6	10 23.4
	985	19.2 11.3 H		N 1	576	62 36	11	62 25	−3.7	4.31	15.9	10 24.1
	986	19.4 11.5 I		K=H 3	582	62 42	11	62 31	−3.5	4.33	15.2	10 24.8
	987	19.6 11.7 B	4479	N 3	588	62 48	11	62 37	−3.3	4.34	14.3	10 25.7
	988	19.3 12.3 A		K=H 2	579	62 39	10	62 29	−2.7	4.33	11.7	10 28.3
6.8	−989	19.9 12.4 F	4480	K=H 1	597	62 57	10	✓ 62 47	−2.6	4.36	11.3	✓ 10 28.7
α O 7.2 ✓	990 *	19.7 13.5 A		N 1	591	62 51	9	62 42	−1.5	4.35	6.5	10 33.5
	991	19.3 13.9 A		K=0.5H 2	579	62 39	8	62 31	−1.1	4.33	4.8	10 35.2
	992	19.2 14.4 A		N 1	576	62 36	8	62 28	−0.6	4.33	2.6	10 37.4
	993	19.1 14.7 A		N 1	573	62 33	8	62 25	−0.3	4.32	1.3	10 38.7
	994	19.1 14.9 F	4481	K=H 1	573	62 33	8	62 25	−0.1	4.32	0.4	10 39.6
	995	19.2 15.0 A		N 1	576	62 36	8	62 28	−0.0	4.33	0.0	10 40.0
K F 6.0 ✓	996	19.7 15.8 G G.		K=H 3	591	62 51	8	62 43	+0.8	4.36	3.5	10 43.5
*	997	19.3 17.3 A		K=0.5H 3	579	62 39	9	62 30	+2.3	4.33	10.0	10 50.0
H O 7.3 ✓	998	20.0 16.7 A		N 1	600	63 00	9	62 51	+1.7	4.37	7.4	10 47.4
	999	19.9 17.6 F	4482	K=H 1	597	62 57	10	62 47	+2.6	4.36	11.3	10 51.3
	1000	19.4 19.5 A		N 2	582	62 42	13	62 29	+4.5	4.33	19.5	10 59.5
	1001	19.2 20.3 F	4483	K=H 1	576	62 36	15	62 21	+5.3	4.30	22.8	11 2.8
	1002	19.6 20.4 Ma.		N 2	588	62 48	16	62 32	+5.4	4.33	23.4	11 3.4
	1003	19.9 20.9 A		N 1	597	62 57	17	62 40	+5.9	4.35	25.7	11 5.7
	1004	19.9 21.4 A		N 1	597	62 57	19	62 38	+6.4	4.35	27.8	11 7.8
	1005	19.3 22.7 A		N 2	579	62 39	23	62 16	+7.7	4.29	33.0	11 13.0
	1006	19.6 23.0 G5K		K=H 2	588	62 48	24	62 24	+8.0	4.31	34.5	11 14.5
	1007	20.0 24.3 A		N 2	600	63 00	29	62 31	+9.3	4.33	40.3	11 20.3
	1008	20.5 6.1 A		N 1	615	$\overset{3}{62}$ 15	28	62 47	−8.9	4.36	38.8	10 1.2
	1009	20.8 6.2 F	4484	K=H 1	624	63 24	28	62 56	−8.8	4.39	38.6	10 1.4
	1010	20.6 6.4 A		N 1	618	63 18	27	62 51	−8.6	4.37	37.6	10 2.4

A.G.C. No.	R.A. 1900	Dec. 1900	Magn.		Comp. on R.A. −6	Comp. Dec. +2'						
14275	10 22.7	−62 21	8¼	−0.5 0			14275	10	22.7	62	21	8¼
14280	10 22.9	−62 48	7.5	−0.5 0			14280	10	22.9	62	48	7.5
~~*14306~~	~~10 24.1~~	~~−62 31~~	~~8½~~	~~0.0 +6~~								
14306	10 24.2	−62 31					14306	10	24.2	62	31	(6.9?
~~14324~~	~~10 24.7~~	~~−62 40~~	~~7~~	+0.1 +9			C.P.D. (1875 pos.) −62 1595	10	24.6	−62	31.5	6.8 ✓
14324	10 24.9	−62 40	7									
✓ 2 C. 23242	10 32.8	−62 42	9½		32.9	44						
14552	10 34.5	−62 32	8¼	−0.7 +1			14552	10	34.5	62	32	8¼
14610	10 36.8	−63 29	8	−0.6 +1								
14765	10 42.7	−62 46	7¾	−0.8 +3	✓ 42.9	45	14765	10	42.7	62	46	7¾
14901	10 49.2	−62 33	8½				14901	10	49.2	62	33	8½
✓ 2 C. 3348	10 46.8	−62 51	10		46.8	53						

13807 10 21.9 −63 21 7¾ +0.5 +3

June 27. 1894

Plate 9431

Lim F. Br.	& No	Cl.	Rem	Kline I	(V×3)	(53+3V)		(Cor. A)	(53+3V+A)		(15−H)			R.A. 1900 10h	40m
	1011	20.3	7.0 a	N 1	609	63	9	24	62°	45	−8.0	4.36	34.9	10	5.1
	1012	20.5	7.7 Gr K	K=H 1	615	63	15	22	62	53	−7.3	4.39	32.0	10	8.0
	1013	20.3	7.9 a	N 1	609	63	9	21	62	48	−7.1	4.37	31.0	10	9.0
	1014	20.3	8.2 H	N 1	609	63	9	20	62	49	−6.8	4.37	29.7	10	10.3
	1015	20.8	8.2 a	N 1	624	63	24	20	62	4	−6.8	4.27	29.0	10	11.0
	1016	20.3	9.4 a	N 1	609	63	9	16	62	53	−5.6	4.39	24.6	10	15.4
	1017	20.2	9.5 E	K=H 1	606	63	9	16	62	53	−5.5	4.39	24.1	10	15.9
	1018	20.2	9.9 a	N 3	606	63	6	15	62	51	−5.1	4.37	22.3	10	17.7
	1019	20.4	10.0 E	K=H 2	612	63	12	14	62	58	−5.0	4.40	22.0	10	18.0
	1020	20.7	10.4 a	N 1	621	63	21	13	63	8	−4.6	4.43	20.4	10	19.6
	1021	20.3	10.4 a	N 1	609	63	9	13	62	26	−4.6	4.31	19.8	10	20.2
	1022	20.5	10.6 E	K=H 1	615	63	15	13	63	2	−4.4	4.40	19.4	10	20.6
	1023	20.2	11.0 a	N 1	606	63	6	12	62	54	−4.0	4.39	17.6	10	22.4
	1024	20.4	11.5 a	K=0.4H 2	612	63	12	11	63	1	−3.5	4.40	15.4	10	24.6
	1025	20.5	12.2 F 4485	K=H 1	615	63	15	10	63	5	−2.8	4.41	12.3	10	27.7
✓	1026	20.3	12.5 F 4486	K=H 1	609	63	9	10	62	59	−2.5	4.40	11.0	10	29.0
·H 0 7.1	1027	20.8	13.1 a	N 1	624	63	24	9	63	15	−1.9	4.44	8.4	10	31.6
·H 0 7.0 ✓	1028	20.8	13.4 a	N 1	624	63	24	9	63	15	−1.6	4.44	7.1	10	32.9
·α 0 6.7 ✓	1029	20.5	13.8 a a	N 2	615	63	15	8	63	7	−1.2	4.41	5.3	10	34.7
·H 0 7.1 ✓	1030	20.9	14.0 a	N 1	627	63	27	8	63	19	−1.0	4.45	4.4	10	35.6
·H 0 6.9 ✓	1031	20.6	14.1 a	N 1	618	63	18	8	63	10	−0.9	4.43	4.0	10	36.0
·α F 6.4 ✓	1032	20.8	14.2 a	K=H 2	624	63	24	8	63	16	−0.8	4.44	3.6	10	36.4
·α 0 7.0 ✓	1033	20.6	14.3 a *	N 1	618	63	18	8	63	10	−0.7	4.43	3.1	10	36.9
X 8 F 5.6 5.4 ✓	1034	20.2	14.8 a	K=0.4H 3	606	63	6	8	62	58	−0.2	4.40	0.9	10	39.1
·K 0 {6.7 ✓ 6.5 {6.9 7.0	1035	20.5	15.1 H *	K=H 1	615	63	15	8	63	7	+0.1	4.41	0.4	10	40.4
X ε F 4.4 ✓	1036	21.0	15.2 B B 4487	N 4	630	63	30	8	63	22	+0.2	4.45	0.9	10	40.9 A.G.
·K 0 {6.8 ✓ 6.7 ✓ {7.1 7.5	1037	20.8	15.4 H *	K=H 1	624	63	24	8	63	16	+0.4	4.44	1.8	10	41.8
* K {7.0 {6.9 ✓ {7.3 {7.2	1038	20.9	16.1 H K	K K=H N 11 K=H	627	63	27	8	63	19	+1.1	4.45	4.9	10	44.9

	A.G.C.Nr.	R.A. 1900		Dec. 1900		Magn.			Comp. RA−6ᵐ	Comp. Dec+2'						
	14305	10	24.1	-63	1	8½	-0.5 0				14305	10	24.1	63	1	8½
✓	Approx pos.	10	31.0	-63	12				31.0	17						
✓	Approx pos.	10	32.1	-63	12				32.3	17						
✓	Z.C. 2392	10	$\overset{1}{34.2}$	-63	7	9			34.1	9						
✓	Approx pos.	10	35.0	-63	19				35.0	21						
✓	Z.C. 2520	10	35.6	-63	9	9	?.		35.4	12						
✓	Z.C. 2550	10	35.9	-63	16	8½			35.8	18						
✓	Z.C. 2559	10	36.0	-63	10	9			36.3	12						
✓	14645	10	38.4	-62	59	8	$-0.\overset{7}{4}+1$		38.5	60	14645	10	38.4	62	59	8
✓	Z.C. 2841	10	40.0	-63	7	8½			39.8	9						
✓	A.G.C. 14702	$\overset{h}{10}$	40.5	-63	$\overset{2'}{8}6$	5.6	-0.4+4		40.3	24	14702	10	40.5	-63	26	5.6
✓	Z.C. 2923	10	41.0	-63	17	8½			41.2	18						
✓	14805	10	44.4	-63	21	9	-0.5+2		44.3	21	14805	10	44.4	63	21	-9

June 27. 1894 +2 -.6

Plate 9431

Lim. F. Br.		V + H Cl Rem. Nr. Kline Ink		(V×3)	(53+3V)	(Corr. A)	53+3V	(15-H)			R.A. 1900 h m
~ γ F. 6.2 ✓	1039	20.9 16.3 ȧ	K=0.4H 2	627	63 27	8	63 19	+1.3	4.45	5.8	10 45.8
· α * o 7.21 7.1 ✓	1040	20.5 16.6 ȧ a	N N 11	615	63 15	9	63 6	+1.6	4.41	7.1	10 47.1
·	1041	20.3 18.7 ȧ	N 2	609	63 9	12	62 57	+3.7	4.39	16.2	10 56.2
	1042	20.3 19.4 F 4488	K=H 1	609	63 9	13	6$\overset{2}{3}$ 56	+4.4	4.39	19.3	10 59.3
	1043	20.8 20.7 ȧ	N 1	624	63 24	16	63 8	+5.7	4.43	25.3	11 5.3
	1044	20.5 21.6 ȧ	N 1	615	63 15	19	62 56	+6.6	4.39	29.0	11 9.0
	1045	20.6 22.7 ȧ	N 2	618	63 18	23	62 55	+7.7	4.39	33.8	11 13.8
	1046	20.6 24.3 ȧ	N 2	618	63 18	29	62 49	+9.3	4.37	40.6	11 20.6
	1047	21.6 X6.8 G5K	K=H 3	648	63 48	25	63 23	-8.2	4.46	36.6	10 3.4
	1048	21.8 6.9 ȧ	N 2	654	63 54	25	63 29	-8.1	4.48	36.3	10 3.7
	1049	21.4 7.7 ȧ	N 1	642	63 42	22	63 20	-7.3	4.45	32.5	10 7.5
	1050	21.8 8.0 ȧ	N 2	654	63 54	20	63 34	-7.0	4.49	31.4	10 8.6
	1051	21.4 8.1 ȧ	N 2	642	63 42	20	63 22	-6.9	4.45	30.7	10 9.3
	1052	21.5 8.6 ȧ	K=H 1	645	63 45	19	63 26	-6.4	4.46	28.5	10 11.5
	1053	21.2 9.0 ȧ	N 2	636	63 36	17	63 19	-6.0	4.45	26.7	10 13.3
	1054	21.6 11.2 ȧ	N. 1	648	63 48	12	63 36	-3.8	4.49	17.1	10 22.9
	1055	22.0 11.5 ȧ	K=0.1H 3	660	64 00	11	63 49	-3.5	4.53	15.9	10 24.1
× 5.23 3385	1056	21.6 11.9 Le Ol. Br. 5.5 6.0 }	K=H 3	648	63 48	11	63 37	-3.1	4.49	13.9	10 26.1
	1057	21.7 12.4 ȧ	N 1	651	63 51	10	63 41	-2.6	4.50	11.7	10 28.3
· B F 5.5 ✓	1058	21.1 12.6 $\overset{B}{ȧ}$ B 4489	N X^2	633	63 33	10	63 23	-2.4	4.46	10.7	10 29.3
* · H 06.9 7.2 ✓	1059	21.1 13.1 ȧ	N 1	633	63 33	9	63 24	-1.9	4.46	8.5	10 31.5
· γ F 5.2 ✓	1060	21.5 13.2 ȧ	K=0.2H 3	645	63 45	9	63 36	-1.8	4.49	8.1	10 31.9
* H 6.7 6.8? ✓	1061	21.2 1$\overset{3}{5}$.3 ȧ a	N N 11	636	63 36	9	63 27	-1.7	4.46	7.6	10 32.4
· γ o 6.5 ✓	1062	21.7 13.4 ȧ	N 2	651	63 51	9	63 42	-1.6	4.50	7.2	10 32.8
· γ o 6.5 ✓	1063	21.7 13.5 ȧ	N 2	651	63 51	9	63 42	-1.5	4.50	6.8	10 33.2
· ε o 4 6.7 ✓	1064	21.4 14.2 B 4490	N 3	642	63 42	8	63 34	-0.8	4.49	3.6	10 36.4
· K o {6.7 7.0 ✓	1065	21.2 14.4 H	N 1	636	63 36	8	63 28	-0.6	4.48	2.7	10 37.3
γ F 5.8 · 1 o 8	1066	21.4 14.7 ȧ	N 3	642	63 42	8	63 34	-0.3	4.49	1.3	10 38.7

(1900)

	A.G.C. Nr.	R.A. 1900		Dec. 1900		Magn.		Comp RA-6m	Comp Dec+2						
✓	14819	10	45.0	-63	18	8	-0.8 -1	45.2	21	14819	10	45.0	63	18	8
	Approx Pos	10	46.7	-63	8										
✓	~~2.C. 3363~~	~~10~~	~~47.0~~	~~-63~~	~~9~~	~~9~~	~~?~~	46.5	8						
	15471	11	13.3	-62	56	7 3/4	-0.5 +1			15471	10	13.3	62	56	7 3/4
										13807	10	2.9	63	21	7 3/4
	13912	10	7.8*	-63	29	8 1/2	+3 -9								
										13912	10	7.8	63	29	8 1/2
	14293	10	23.5	-63	51	8 1/4	-0.6 +2			14293	10	23.5	63	51	8 1/4
	14337	10	25.5	-63	40	6.1	-0.6 +3			14337	10	25.5	63	40	6.1
✓	14393	10	28.4	-63	26	7 3/4	-0.	28.7	25	14393	10	28.4	-63	26	7 3/4
✓	2C 2151	10	30.6	-63	23	9 1/2		30.9	26						
✓	14470	10	31.5	-63	37	8	-0.4 +1	31.3	38	14470	10	31.5	63	37	8
	~~14472~~	~~10~~	~~31.6~~	~~-63~~	~~37~~	~~8 1/2~~				~~14472~~	~~10~~	~~31.6~~	~~63~~	~~37~~	~~8 1/2~~
✓	2.C. 2246	10	31.9	-63	29	9 ~~8 1/2~~		31.8	29						
✓	2.C. 2241	10	31.9	-63	42	8 3/4									
	~~14505~~	~~10~~	~~32.6~~	~~-63~~	~~44~~	~~8 1/2~~	-0.2 -2	32.2	44						
✓	14505 2.C. 2300	10	32.6	-63	44	8 1/2		32.6	44	14505	10	32.6	63	44	8 1/2
✓	14587	10	35.9	-63	36	7.0	-0.5 +2	35.8	36	14587	10	35.9	-63	36	7.0
✓	14610	10	36.8	-63	29	8	-0.5 +1	36.7	30	14610	10	36.8	-63	29	8
✓	~~14637~~	~~10~~	~~38.0~~	~~-63~~	~~35~~	~~8~~	-	38.1	36	14637	10	38.0	63	35	8

+ Spectra of these two stars superposed.

June 28, 1894

Plate 943 Cont.

	Lim.	F.	Br.	No.	V	H	Cl.	Rem. No.	Kline	Int.	(3×V)	(53+3V)	(Corr. R)	(53+3V+R)	(15−H)			R.A. 1900. 10h	40m
			11 3.0 4.9 4.9																
×	ε	F	4.5	1067 +	22.0	14.8	A		N	3	660	64 0	8	63 52	−0.2	4.53	0.9	10	39.1
×	H	Q F	6.2 5.1	1068 +	21.9	14.9	A		N	2	657	63 57	8	63 49	−0.1	4.53	0.5	10	39.5
	η	F	B	1069	21.8	15.0	B	~~4491~~	N	5	654	63 54	8	63 46	0.0	4.51	0.0	10	40.0
×	H	O	7.1 6.9 6.8	1070	21.6	15.1	A *		N	1	648	63 48	8	63 40	+0.1	4.50	0.4	10	40.1
	β	F	6.0	1071	21.3	15.2	~~N~~ A		~~A~~	2	639	63 39	8	63 31	+0.2	4.48	0.9	10	40.9
	ζ	F	5.3	1072	21.7	15.3	B	4492	N	3	651	63 51	8	63 43	+0.3	4.51	1.4	10	41.4
*	K	O	7.0 7.3 4.10.1, 4.34.1	1073	21.7	15.6	F ~~A~~	4493	K=H	1	651	63 51	8	63 43	+0.6	4.51	2.7	10	42.7
*	K	O	7.2 7.3 7.5 7.5	1074	21.2	15.7	He H		η N	1	636	63 36	8	63 28	+0.7	4.48	3.1	10	43.1
≡	γ	F	4.6	1075	21.6	15.8	A		N	3	648	63 48	8	63 40	+0.8	4.50	3.6	10	43.6
	η	F	4.6	1076	21.9	15.9	A	4494	N	3	657	63 57	8	63 49	+0.9	4.53	4.1	10	44.1
*	αm	F F	6.4 6.0	1077	21.7	15.9	A A		η N	2	651	63 51	8	63 43	+0.9	4.51	4.1	10	44.1
	ε	F	5.1	1078	21.6	16.9	A		N	3	~~648~~	~~63 45~~	~~9~~	~~63 39~~	~~+1.9~~	~~4.50~~	~~8.6~~	~~10~~	~~48.6~~
*	αx	O	6.8 7.0	1079	21.7	16.3	A A		η N	11	651	63 51	8	63 43	+1.3	4.51	5.9	10	45.9
*	K	O	6.6.8	1080	21.2	17.5	F F	4495	K=H K=H	11	636	63 36	10	63 26	+2.5	4.46	11.2	10	51.2
				1081	21.8	19.1	F	4496	K=H	3	654	63 54	12	63 42	+4.1	4.50	18.4	10	58.4
				1082	21.1	20.9	F	4497	K=H	1	633	63 33	17	63 16	+5.9	4.44	26.2	11	6.2
				1083	21.2	21.1	A		N	1	636	63 36	18	63 18	+6.1	4.45	27.1	11	7.1
				1084	21.8	21.5	A		N	4	654	63 54	19	63 35	+6.5	4.49	29.2	11	9.2
				1085	21.7	22.7	A		N	2	651	63 51	23	63 28	+7.7	4.48	34.5	11	14.5
				1086	21.2	23.2	A		N	1	636	63 36	25	63 11	+8.2	4.43	36.3	11	16.3
				1087	21.8	24.4	F	4498	K=H	4	6$\overset{5}{\cancel{4}}$4	63 54	29	63 25	+9.4	4.46	41.9	11	21.9
				1088	22.9	5.4	A		N	2	687	64 27	32	63 55	−9.6	4.54	43.6	9	56.4
				1089	22.4	7.4	A		N	1	672	64 12	23	63 49	−7.6	4.53	34.4	10	5.6
				1090	22.5	8.1	A		N	3	675	64 15	20	63 55	−7.0	4.54	31.8	10	8.2
				1091	22.6	8.1	A		N	1	678	64 18	20	63 58	−6.9	4.56	31.5	10	8.5
				1092	22.6	8.3	A		K=H	1	678	64 18	19	63 59	−6.7	4.56	30.6	10	9.4
				1093	22.2	8.4	H		N	1	666	64 6	19	63 47	−6.6	4.51	29.8	10	10.2
				1094	22.5	8.5	G		K=H	2	675	64 15	19	63 56	−6.5	4.54	29.5	10	10.5

	A.G.C. No.	R.A. 1900		Dec. 1900		Magn.	
V	14653	10	38.7	-63	57	5.7	-0.4 +5
V	14660	10	38.9	-63	53	8	-0.6 +4
V	14667	10	39.4	-63	52	2.9	-0.6 +6
V	2 C. 2821	10	39.7	-63	40	9	
V	14681	10	39.9	-63	33	7¾	?
V	14692	10	40.3	-63	44	6.6	
V	approx ~~14800~~	10 ~~10~~	42.0 ~~43.3~~	-63 ~~63~~	43 ~~36~~	~~7¼~~	
V	14760	10	42.5	-63	31	9	-0.6 +3
V	14769	10	42.8	-63	44	6.2	-0.8 +4
V	14775	10	43.2	-63	52	5.8	-0.9 +3
V	14781	10	43.5	-63	44	8¼	-0.6 +2
V	14800	10	44.2	-63	44	7¼	
x	approx	10	45.3	-63	43		
V	2 C. 3617	10	50.6	-63	26	9	
V	15108	10	57.9	-63	46	7	-0.5 +4

15365 11 8.6 -63 37 5.7 -0.6 +2

Ident. made with Chart and Catalogue.

1900.

Comp R.A.−6	Comp Dec+2	A.G.C. No.	R.A.	Dec.	Magn.
38.5	54				
38.9	51	~~14660~~	~~10 38.9~~	~~63 53~~	~~8~~
39.4	48	14667	10 39.4	63 ~~37~~ 52	2.9
39.5	42				
(15.5)	36	10 2821	10 38.8	-63 31.8	9
40.3	33	14681	10 39.9	63 33	7¾
40.8	45	14692	10 40.3	-63 44	6.6
42.1	45	~~14766~~	~~10~~		
42.5	30	14760	10 42.5	63 31	9
43.0	42	14769	10 42.8	-63 44	6.2
43.5	51	14775	10 43.2	63 52	5.8
43.5	45	~~14766~~	~~10 42.8~~	~~63 49~~	~~8¾~~
~~48.0~~	~~41~~	~~14781~~ 14800	~~10 43.5~~ 10 44.2	~~63 44~~ 63 44	~~8¼~~ 7¼
45.3	45				
50.6	28				

13956 10 9.8 -63 54 8 -0.7 -2

June 28.1894

Plate 9431

Lum.	F.	Br.	1	V	H	Cl.	Rem.	Nr. K line	I (V×3)	(3V+53)	Corr. A	(3V+53+B)	(15−H)			R.A. 1900 10h 40m
			1095	22.7	8.9	a		2	681	64 21	17	64 4	−6.1	4.58	27.9	10 12.1
			1096	22.8	9.9	a		K=0.2H 4	684	64 24	15	64 9	−5.1	4.59	23.4	10 16.6
			1097	22.6	12.0	a		K=H 1	678	64 18	10	64 8	−3.0	4.59	13.8	10 26.2
* .H	0	7.0 7.0	1098	22.1	12.5	a	a	7 1 1	663	64 3	10	63 53	−2.5	4.54	11.4	10 28.6
.S	F	5.0	1099	22.2	14.1	a		K=0.1H 3	666	64 6	8	63 58	−0.9	4.56	4.1	10 35.9
.H	0	7.2	11 2x0	22.6	14.3	a		1	678	64 18	8	64 10	−0.7	4.59	3.2	10 36.8
.ε	F	5.2	11 2x1	22.5	14.5	a		3	675	64 15	8	64 7	−0.5	4.58	2.3	10 37.7
.ε	F	5.3	11 2x2	22.1	14.6	a		3	663	64 3	8	63 55	−0.4	4.54	1.8	10 38.2
* .δ	0	3.5 5.7	11 2x3	22.5	15.0	a	a	K=.3 2	675	64 15	8	64 7	0.0	4.58	0.0	10 40.0
.y	F	6.3	11 2x4	22.6	15.6	a		K=0.4H 2	678	64 18	8	64 10	+0.6	4.59	2.8	10 42.8
.β	F	6.4 6.6	11 2x5	22.4	15.7	a	*	2	672	64 12	8	64 4	+0.7	4.58	3.2	10 43.2
.S	F	5.0	11 2x6	22.2	15.7	a		3	666	64 6	8	63 58	+0.7	4.56	3.2	10 43.2
.x	0	~~6.5~~	~~11 2x7~~	~~22.1~~	~~16.1~~	~~a~~		~~1~~	~~663~~	~~64 3~~	~~8~~	~~63 55~~	~~+1.1~~	~~4.54~~	~~5.0~~	~~10 45.0~~
.S	F	5.3	11 2x8	22.2	16.1	a	B [illegible]	2	666	64 6	8	63 58	+1.1	4.56	5.0	10 45.0
.δ	F	5.9	11 2x9	22.3	16.5	a		2	669	64 9	9	64 0	+1.5	4.56	6.8	10 46.8
.y	F	5.7	11 2x10	22.1	16.7	a		K=0.1H 2	663	64 3	9	63 54	+1.7	4.54	7.7	10 47.7
.y	F	6.0	11 2x11	22.0	17.1	a		2	660	64 0	9	63 51	+2.1	4.53	9.5	10 49.5
* H K	0	7.1 7.3	11 2x12	22.5	17.4	a	a *	K=H 1 1 K=H	675	64 15	9	64 6	+2.4	4.58	11.0	10 51.0
			11 2x13	22.1	18.3	a		1	663	64 3	11	63 52	+3.3	4.53	14.9	10 54.9
			11 2x14	22.7	19.3	a		2	681	64 21	13	64 8	+4.3	4.59	19.7	10 59.7
			11 2x15	22.5	19.7	a		3	675	64 15	13	64 2	+4.7	4.56	21.4	11 1.4
			11 2x16	23.0	20.0	a		K=0.2H 3	690	64 30	14	64 16	+5.0	4.60	23.0	11 3.0
			11 2x17	22.4	20.5	a		1	672	64 12	16	63 56	+5.5	4.54	25.0	11 5.0
			11 2x18	22.2	22.8	a		1	666	64 6	23	63 43	+7.8	4.51	35.2	11 15.2
			11 2x19	22.8	22.9		F4499	K=H 3	684	64 24	24	64 0	+7.9	4.56	36.0	11 16.0
			11 2x20	23.1	5.7	a		2	693	64 33	30	64 3	−9.3	4.58	42.6	9 57.4
X			11 2x21	23.3	6.8	a		3	699	64 39	25	64 14	−8.2	4.60	37.7	10 2.3
			11 2x22	23.1	7.3	a		1	693	64 33	23	64 10	−7.7	4.59	35.3	10 4.7

	A.G.C. Nr.	R.A. 1900		Dec. 1900		Magn.		Comp R.A. -6^m	Comp Dec $+2'$
	14115	10	16.0	-64	11	6.3	-0.6 -2		
v	approx pos.	10	28.0	-63	53			28.0	55
✓	14575	10	35.4	-63	59	7.5	-0.5+1	35.3	60
v	approx pos.	10	36.0	-64	10			36.2	12
	~~14618~~	~~10~~	~~37.2~~	~~-64~~	~~8~~	~~7 3/4~~	~~-0.4+2~~		
v	14618	10	37.4	-64	8	7 3/4		37.1	9
	~~14631~~	~~10~~	~~37.6~~	~~-63~~	~~57~~	~~7.5~~	?		
v	14631	10	37.6	-63	57	7.5		37.6	57
✓	Approx. pos.	10	39.2	-64	9			39.4	9
v	Z.C. 3000	10	42.0	-64	11	8 1/2		42.2	12
	~~14761~~	~~10~~	~~42.6~~	~~-64~~	~~4~~	~~8 3/4~~	~~-0.2 -6~~		
V	14761	10	42.6	-64	4	8 3/4		42.6	6
v	14764	10	42.7	-63	59	6.3	-0.5 +1	42.6	60
Same star v	14794	10	44.0	-64	1	7 1/2		44.4	57
								44.4	60
v	14839	10	46.3	-64	1	8	-0.5 +1	46.2	2
v	14852	10	47.0	-63	57	8	-0.7 +3	47.1	56
v	14890	10	48.8	-63	53	8 1/4	-0.7 +2	48.9	53
V	approx pos.	10	50.4	-64	5			50.5	8
	15139	10	59.2	-64	9	8 1/4	-0.5 +1		
	15182	11	0.9	-64	5	7 1/2	-0.5 +3		
	15223	11	2.4	-64	18	7	-0.6 +2		
	15504	11	15.2	-64	2	6.8	-0.8 +2		
	13788	10	27	-64	9	7 1/2			

June 28, 1894.

Plate 9431

Lum. F. Br.	No.	V	H	Cl.	Rem.	Klein In.	(Vx3)	(53+3V)	(Con. A)	(3V+53+A)	(15-H)			R.A. 1900 10h 40m
	1123	23.7	8.4	H		N 1	711	64 51	19	64° 32′	-6.6	4.65	30.6	10 9.4
	1124	23.5	8.6	a		N 1	705	64 45	19	64 26	-6.4	4.63	29.6	10 10.4
	1125	24.0	8.7	B	4500	N 3	720	65 0	19	64 41	-6.3	4.67	29.4	10 10.6
	1126	23.8	9.2	a		N 1	714	64 54	18	64 36	-5.8	4.66	27.0	10 13.0
	1127	23.4	9.4	H		N 1	702	64 42	18	64 24	-5.6	4.63	25.9	10 14.1
	1128	23.8	10.1	a		K=H 3	714	64 54	14	64 40	-4.9	4.67	22.9	10 17.1
	1129	23.9	10.5	a		N 3	717	64 57	13	64 44	-4.5	4.69	21.1	10 18.9
	1130	23.5	10.9	a		N 1	705	64 42	13	64 29	-4.1	4.65	19.1	10 20.9
	1131	23.1	11.0	H		N 1	693	64 33	12	64 21	-4.0	4.62	18.5	10 21.5
	1132	23.9	11.9	F	4501	K=H 1	717	64 57	11	64 46	-3.1	4.69	14.5	10 25.5
	1133	23.1	11.5	a		K=H 2	693	64 33	11	64 22	-3.5	4.62	16.2	10 23.8
	1134	23.5	11.7	a		K=0.5H 3	705	64 45	11	64 34	-3.3	4.66	15.4	10 24.6
	1135	23.1	11.7	a		N 1	693	64 33	11	64 22	-3.3	4.62	15.2	10 24.8
	1136	23.2	11.8	a		N 2	696	64 36	11	64 25	-3.2	4.63	14.8	10 25.2
	1137	23.7	12.1	F		K:H 3	711	64 51	10	64 41	-2.9	4.67	13.5	10 26.5
α 0 6.7 ✓	1138	23.4	13.1	a		N 2	702	64 42	9	64 33	-1.9	4.66	8.9	10 31.1
* γ F 6.3 5.9 ✓	1139	24.0	13.7	a		N 2	720	65 0	9	64 51	-1.9	4.70	8.9	10 31.1
β 0 6.1 ✓	1140	24.0	13.3	a		K=0.5H 2	720	65 0	9	64 51	-1.7	4.70	8.0	10 32.0
H F 6.5 ✓	1141	23.7	13.3	a		N 2	711	64 51	9	64 42	-1.7	4.67	7.9	10 32.1
η F 4.9 ✓	1142	23.3	14.0	a		N 3	699	64 39	8	64 31	-1.0	4.64	4.6	10 35.4
δ F 6.0 6.0 ✓ *	1143	23.1	14.2	a		K=0.2H 3	693	64 33	8	64 25	-0.6	4.63	3.7	10 36.3
η F 4.7 ✓	1144	23.3	14.5	a		N 4	699	64 39	8	64 31	-0.5	4.64	2.3	10 37.7
H 0 7.0	1145	23.6	15.0	a		N 1	708	64 48	8	64 40	0.0	4.67	0.0	10 40.0
	1146	23.9	17.9	F	4502	K=H 1	717	64 57	10	64 47	+2.9	4.69	13.6	10 53.6
	1147	23.9	21.2	a		N 2	717	64 57	18	64 39	+6.2	4.67	29.0	11 9.0
	1148	23.8	22.7	F	4503	K=H 1	714	64 54	23	64 31	+7.7	4.64	35.7	11 15.7
x	1149	23.7	23.6	a		N 4	711	64 51	26	64 25	+8.6	4.63	39.8	11 19.8
	1150	24.4	7.3	a		N 2	732	65 12	23	64 49	-7.7	4.70	36.2	10 3.8

	A.G.C. No.	R.A. 1900		Dec. 1900		Magn.			Comp R.A.−6^{m}	Comp Dec+2'
	13963 ✓	10 ✓	10.0 ✓	-64 ✓	40 ✓	7¾ ✓	-0.6	-1		
	14134	10	16.7	-64	39	7	-0.4	-1		
	14170	10	18.2	-64	42	7¾	-0.7	-2		
	14240	10	20.9	-64	19	8¾	-0.6	-2		
	14303	10	24.0	-64	32	8¼				
✓	~~14343~~	~~10~~	~~25.8~~	~~-64~~	~~40~~	~~7¼~~	~~-0.7~~	~~-1~~		
✓	2C. 2127	10	30.3^{2}	-64	32	9			30.5	35
	14434 ~~14343~~	10	30.1	-64	51	8				
✓	~~14462~~	~~10~~	~~31.1~~	~~-64~~	~~49~~	~~8¼~~	0.0	-2	30.5	53
	14462	10	31.1	-64	49	8¼				
✓	~~2C 2161~~	~~10~~		~~-64~~		9			31.4	53
✓	14471	10	31.5	-64	41	9	-0.6	-1	31.5	44
✓	14559	10	34.9	-64	32	7.4	-0.5	+1	34.8	33
✓	2C. 2524	10	35.6	-64	27	8			35.7	27
✓	14606	10	36.8	-64	35	6.4	-0.9	+4	37.1	33
✓	Approx pos.	10	39.3	-64	41				39.4	42
	15355	11	8.2	-64	40	8	-0.8	+1		

AGC 15588 11 19 -64°24.6

June 28, 1894.

Plate 9431

Lim.	F. Br.	No.	V	H.	Cl.	Ram. K line	Int.	(V×3)	(53+3V)	(Corr. A)	(3V+53+A)	(15−H)			RA 1900 10h 40m
		1157	24.9	8.0	a	q Sr	3	747	65 27	20	65 7	−7.0	4.75	33.2	10 6.8
		1152	24.1	8.1	a	Sr	2	723	65 3	20	64 43	−6.9	4.69	32.4	10 7.6
		1153	24.7	9.1	H	Sr	1	741	65 21	17	65 4	−5.9	4.75	28.0	10 12.0
		1154	24.7	9.6	a	Sr	1	741	65 21	16	65 5	−5.4	4.75	25.6	10 14.4
		1155	24.4	9.8	a	K=0.2H	3	732	65 12	15	64 57	−5.2	4.71	24.5	10 15.5
		1156	24.4	10.0	a	Sr	1	732	65 12	14	64 58	−5.0	4.73	23.6	10 16.4
		1157	24.9	10.8	a	Sr	2	$7\overset{4}{8}7$	65 27	13	65 14	−4.2	4.79	20.1	10 19.9
X		1158	24.7	11.8	a	Sr	4	741	65 21	11	65 10	−3.2	4.76	15.2	10 24.8
✓	✓	1159	24.8	12.0	a	Sr	1	744	65 24	10	65 14	−3.0	4.79	14.4	10 25.6
* KK	6.8 7.2	1160	24.2	15.2	H H	n Sr	1 1	726	65 6	8	64 58	+0.2	4.73	0.9	10 40.9
— F	5.8	1161	25.1	16.0	a	Sr	2	753	65 33	8	65 25	+1.0			
		1162	24.9	18.7	a	Sr	2	747	65 27	12	65 15	+3.7	4.79	17.7	10 57.7
		1163	24.5	19.0	a	Sr	1	735	65 15	12	65 3	+4.0	4.75	19.0	10 59.0
		1164	24.2	19.6	F 4504	K=H	1	726	65 6	13	64 53	+4.6	4.72	21.7	11 1.7
		1165	24.4	19.9	a	Sr	3	732	65 12	14	64 58	+4.9	4.73	23.2	11 3.2
		1166	24.3	20.4	K	K=H	3	729	65 9	16	64 53	+5.4	4.72	25.5	11 5.5
12	5	1167	24.0	20.9	F 4505	K=H	2	729	65 9	17	64 52	+5.9	4.70	27.7	11 7.7

	No. A.G.C.	R.A. 1900		Dec. 1900		Magn.			Comp R.A. -6	Comp Dec +2'
	13874	10	5.9	-65	1	7¼	-0.9	-6		
	14073	10	14.6	-64	56	7½	-.0.9	-1		
	14197	10	19.2	-65	12	8	-0.7	-2		
	A.G.C. 14310	10	24.3	65	12	6.6				
✓	approx pos.	10	40.4	-64	57				40.3	60
✓	14789	10	43.8	-65	24	8¼			—	27
	15271	11	44	-64	53	7½	+1.2	-5?		
	15326	11	.6.9	-64	52	8¼				

July 2 1894

12h 15m Plate 7748

N 48 Cl. Rem. K line Int.

1	7.4	5.5	A	N	2
2	7.3	6.1	A	K=H	2
3	7.6	6.2	A	N	1
4.	7.2	6.4	A	N	3
5	7.2	7.7	He	K=H	3
6	7.8	7.6	A	N	1
7.	7.2	8.5	A	N	2
8.	8.0	9.6	A	N	1
9	8.0	9.7	A	N	1
9a	7.6	10.2	GH	N	1
10	7.4	10.4	A	N	1
11.	~~9.8~~ 76	11.7	A	N	3
12	7.7	12.2	G2K	K=H	2
13.	7.5	12.7	A	N	1.
13a	7.2	12.8	F 4506	K=H	1
14	7.9	13.0	A	N	2
15	7.6	13.1	A	N	1
16	7.8	13.2	A	N	2
17	8.1	13.3	A	N	1
18.	7.0	13.3	A	N	2
19.	X8.0	13.4	G2K	K=H	3
20	8.0	13.5	A	N	3
21	7.6	13.7	A	K=H	1
22	7.6	14.3	E	K=H	1
23	7.9	14.8	H	K=H	1
24	8.3	14.8	I	K=H	2
25	8.4	15.1	H	K=H	2
26	7.5	16.1	A	N	2
27	7.8	17.0	A	N	1

July 9. 1894

Plate 7748

	V	He	Cl.	Rem no.	K line	Int.
28	8.0	17.7	I		K=H	2
29	8.1	18.0	a		N	1
30	7.9	18.1	E		K=H	1
31	7.8	18.5	a		N	1
32	8.3	18.5	a		N	1
33	8.4	18.7	I		K=H	2
34	7.9	18.9	a		N	1
35	7.8	19.1	E		K=H	1
36	8.2	19.3	a ~~H~~		N	1
37	7.5	19.5	a	4507	N	1
38	7.8	20.0	a		N	2
39	7.5	21.4	H		N	1
40	7.7	21.7	H		N	1
40a	7.6	22.1	a		N	1
40b	7.5	22.2	H		N	1
41	8.0	23.1	a		N	1
42	8.2	23.2	a		N	3
42a	7.5	23.4	F	4508	K=H	1
43	7.6	23.9	a		N	2
44	8.9	5.7	a		N	1
44a	8.9	6.2	H		N	1
45	8.4	6.5	H		K=H	2
46	8.7	6.6	a		N	2
47	8.3	6.8	a		N	3
48	9.0	6.9	a		N	1
49	9.4	7.7	F	4509	K=H	3
50	9.2	7.8	a		N	2
51	9.2	8.3	a		N	4

July 9. 1894

Plate 7718

V Ho Cl. Remtr. Kelvin Int.

52	7.8	8.4	A		N 1
53	9.1	9.0	A		N 1
54	9.4	10.2	A		N 2
55	9.1	10.0	F		N 1
56	9.0	10.4	F	4~~8~~510	K=H 1
57	8.8	11.0	F		N 1
58	8.4	11.1	A		N 1
59	9.1	11.5	H		N 1
60	8.3	11.5	A		N 1
61	8.7	11.7	A		N 1
62	8.4	11.8	F	4511	K=H 1
63	8.7	12.0	A		N 2
64	8.6	12.4	A		N 1
65	8.8	13.5	A		N 3
65a	9.1	13.6	A		N 1
66	9.3	13.6	B	4512	N 2
67	8.6	13.9	A		N 1
68	8.9	14.0	A		N 3
69	9.0	14.1	A		N 1
70	9.4	15.0	H		N 1
71	9.4	15.2	A		N 1
71a	8.7	15.1	H		N 1
72	8.7	15.8	H		N 1
73	8.8	16.6	A		N 1
74	9.1	17.0	F	4513	K=H 1
75	9.0	17.4	F	4514	K=H 1
76	9.1	17.7	A		N 1
77	9.4	18.6	E		K=H 1

C.P.D. (1875 pos.) -55° 3682 10 34 25.4 -55 20.3 7.3 = A.G.C. 14571
C.P.D. (1875 pos.) -55° 3693 10 34 56.9 -55 29.9 9.2
3695 10 34 59.4 -55 37.6 8.4
C.P.D. (1875 pos.) -55 ~~3701 10 35 11.4 -55 55.5 8.6~~

C.P.D. (1875 pos.) -55° 3728 10 36 27.5 -55 24.9 7.7 = A.G.C. 14624
C.P.D. (1875 pos.) -55° 3731 10 36 33.5 -55 26.5 8.2

July 9. 1894

Plate - 7748

V 46 Cl. Rem^{m}. Klin. Int.

78 9.2 19.1 ȧ rr 2
79 8.7 19.8 İt rr 1
80 8.8 20.7 ȧ rr 1
81 8.8 21.0 ȧ K=H 1
82 9.4 21.8 ḟ 4515 K=H 1
83 9.3 23.2 ȧ rr 2
84 8.7 23.4 ȧ rr 2
85 9.2 23.7 ȧ rr 2
85a 8.3 24.0 İt rr 2
85b 8.5 24.1 ȧ rr 2
86 9.3 5.7 ȧ rr 1
87 9.6 6.1 ȧ rr 2
88 9.7 6.6 İt K=H 1
89 10.2 6.7 ȧ rr 2
90 9.5 6.8 İt rr 1
91 9.8 7.2 ȧ rr 1
92 9.2 7.3 ȧ rr 1
93 10.3 7.7 ȧ rr 2
94 10.3 8.2 ȧ rr 2
95 10.1 8.3 ȧ rr 2
96 ~~8.5~~ 9.6 8.5 ȧ rr 1
97 9.5 9.3 ḟ 4516 K=H 1
98 10.2 9.8 ȧ rr 2
99 10.1 10.4 ȧ rr 1
100 10.4 10.6 ȧ rr 1
101 10.0 10.6 ȧ rr 1
102 10.0 10.7 ȧ rr 1
103 10.2 10.9 ȧ rr 1

July 9. 1894

Plate 7748
& 16 Cl. Rem. K line Int.

	104	10.3	11.5	Ė		K=H 1
	105	10.0	12.2	Ḣ		N 1
	106	9.4	12.8	ȧ		N 1
	107	9.6	13.4	Ḟ	4517	K=H 1
	108	9.8	13.5	ȧ		N 1
	109	9.8	13.7	Ė		K=H 1
	110	10.2	13.8	ȧ		N 1
	111	9.4	14.1	Ḟ	4518	K=H 1
	112	9.7	14.4	Ḣ		N 1
	113	9.9	14.5	Ḣ		N 1
	114	9.4	16.5	ȧ		N 2
	115	10.2	14.7	ȧ		N 2
	116	9.6	15.1	G$_2$Ḣ		K=H 1
	116a	9.9	15.1	ȧ		N 1
	117	10.3	15.3	ȧ		N 2
	118	10.4	15.4	ȧ		N 1
X 3499 5.47	119	10.2	15.6	ȧ	Ob. Br. 4.5	N 4
	120	9.7	15.8	ȧ		N 1
	121	10.0	16.0	ȧ		N 2
	122	9.7	16.5	ȧ		N 1
	123	9.9	16.9	ȧ		N 2
	124	9.9	17.0	ȧ		N 1
1 12	125	9.6	17.4	İ		K=H 3

CP.D -55° 3688
CP.D -55° 3701

July ~~9~~ 10. 1894

Plate 7748

11h 20m D.H. Cl. Rem. no. Kline Int.

126	9.7	18.1	a		K=H 1
127	10.1	18.9	H		N 1
128	10.1	19.0	F		K=H 1
129	10.0	19.3	a		N 1
130	11.3	19.3	a	4519	N 2
131	9.6	19.5	e		K=H 1
132	10.4	19.5	a		N 2
133	10.0	19.6	a		N 1
134	9.7	19.8	a		N 2
135	9.~~6~~4	~~19.7~~ 20.0	a		N 1
136	9.2	20.1	a		N 1
137	9.7	20.6	~~a~~ f	4520	K=H N 1
138	9.9	20.9	a		K=H 1
139	11.3	21.3	a		N 2
140	10.0	21.5	f	4521	K=H 1
141	10.4	21.9	a		K=H 1
142	10.1	22.0	a		N 1
143	10.2	22.6	a		K=H 1
144	9.9	22.7	f		K=H 1
145	10.5	23.4	f ?	4522	K=H 1
146	Not on plate beyond limit				
147	10.9	5.4	a		N 1
148	10.5	6.3	g		K=H 2
149	11	26.8	He		N 1
150	(~~11.5~~ 10.4	~~7.6~~ 7.9 20.8	a)		~~K=H~~ N 1
151	11.2	8.2	f	4523	K=H 1
152	10.6	8.3	a		N 2
153	11.2	8.6	a		N 1

July 10, 1894

Plate 7748

v Helcl Rem. Kline Int.

	154	10.7	9.4	ȧ		N 1	
	156	10.8	9.7	ȧ		N 1	
	155	~~9.~~ 11.2	9.6	ȧ		N 2	
	165 a	11.1	9.7	ḃ		N 1	
	157	11.2	10.0	ȧ		N 1	
	159	11.3	10.2	ȧ		N 2	
	158	11.0	10.0	ḣ		N 1	
	160	11.3	10.4	ȧ		N 3	
	161	10.7	10.6	ȧ		N 1	
	162	10.5	10.7	ȧ		N 1	
	163	11.4	10.7	G5d		K=H 3	
	164	11.3	10.8	ȧ		N 1	
	165	11.3	10.9	ȧ		N 1	
	166	11.0	11.1	ȧ		N 3	
	167	10.8	12.1	ḣ		K=H 2	
×	168	11.3	13.2	Ḃ	4524	N 4	A.G.
	169	10.6	13.7	ȧ		N 1	
	170	11.1	13.8	ġ		K=H 2	
	171	11.3	14.0	ȧ		N 2	
	172	11.4	14.0	ȧ		N 2	
	173	10.8	14.2	ḟ	4525	K=H 2	
×	174	10.5	14.4	ȧ B	4526	N 2	A.G.
	175	11.3	14.6	ȧ		N 1	
	176	10.5	14.6	ȧ		K=H 1	
	177	11.0	15.0	ȧ		N 1	
	178	10.8	15.1	ė		K=H 1	
	179	10.7	15.3	ȧ		N 2	
	~~180~~ 179a	11.0	15.5	ḣ		N 1	

A.G.C. 14536 ✓	10^h	$34^m.2$	-56°	$44'$	6.6	✓
A.G.C. 14650 ✓	10	38.7	-56	21	7.5	✓

July 10, 1894

Plate 7748

V H6 Cl. Remts. Klmi Int.

180 11.4 15.7 à N 3
181 10.8 16.0 à N 1
181a 10.4 16.0 H N 1
182 11.3 16.1 à N 2
183 11.3 16.7 à N 2
184 11.3 16.8 à K=H 3
185 10.5 17.0 à N 2
a-B.γ 4.8
X3547 5.67 186 11.2 17.1 à 4527 K=0.5H 4
187 11.0 17.2 à N 2
188 10.5 17.6 à N 1
189 11.0 17.6 à K=H 1
191 10.5 18.0 à N 1
190a 10.6 18.1 H N 1
191 10.5 18.1 H N 1
192 10.6 18.3 à N 1
193 10.9 18.5 à N 1.
194 10.8 18.6 à N 1
195 11.2 17.9 à N 1
196 10.6 18.9 à N 1
197 11.4 19.6 à N 2
198 11.5 20.5 à N 1
199 10.7 20.7 F 4528 K=H 2
200 11.1 21.5 E K=H 3
201 10.6 21.7 à ? N 1
202 11.4 22.4 à N 2
213 11.0 22.6 à N 2
204 11.2 22.8 à N 2
205 Plate does not come again

July 10, 1894

Plate 7748

	v	+h	Cl.	Rem. No.	K line	Int.
206	11.9	5.7	H		N	1
207	12.2	6.5	a		N	1
208	11.5	7.0	a		N	1
209	12.0	7.1	a		N	1
210	11.9	7.2	F	4529	K=H	1
211	12.0	7.8	F	4530	K=H	1
212	11.9	8.2	e		K=H	1
213	12.1	8.3	F	4531	K=H	2
214	11.4	8.4	a		N	3
215	12.4	9.1	a		N	1
216	11.9	9.4	a		N	2
216a	11.7	9.7	a		N	1
217	11.6	10.0	e		K=H	1
217a	12.1	9.8	G5H		K=H	1
218	12.1	10.8	e		K=H	2
219	12.2	10.3	F	4532	K=H	4
220	12.2	10.8	e		K=H	1
221	11.9	10.9	a		N	2
221a	12.3	10.9	H		N	1
222	12.0	11.1	H		K=H	1
223	12.1	11.2	F	4533	K=H	2
224	11.5	11.4	a		N	2
225	12.0	11.8	e		K=H	1
226	11.6	12.1	a		N	1
227	12.2	12.4	F5G	4534	K=H	2
228	12.5	12.4	a		N	2
X 3428 4.55 229	11.9	12.5	K	Ob. Br. 4.9 5.5	K=H	4
230	12.4	12.7	a		N	1

July 10, 1894

Plate 7748
& He Cl. Rem. Mr. Kline Int.

231	11.7	13.3	Ḟ 4535	K=H 2
232^{1a}	11.9	13.3	Ḣ	K=H 1
231^{b}	12.1	13.3	ė	K=H 1
231^{c}	12.2	13.3	ȧ	N 1
232	12.4	13.4	ȧ	N 1
233	11.8	13.6	ȧ	N 2
234	12.0	14.0	ȧ	N 2
235	11.8	14.1	ȧ	N 1
236	11.9	14.3	ȧ	N 1
237	12.2	14.5	ȧ	K=H 1
238	12.2	14.8	ȧ	K=H 2
238^{a}	12.0	14.8	ȧ	N 1
239	11.9	14.9	Ḣ	K=H 1
239a	11.8	15.0	Ḣ	N 1
240	12.2	15.1	İ	K=H 2
241	11.5	15.2	ȧ	N 1
241^{a}	11.4	15.0	ȧ	N 1
242	11.8	15.3	ȧ	N 1
243	11.9	15.6	ȧ	N 2
244	11.7	15.7	K̇	K=H 3
245	11.9	15.8	ȧ	N 1
246	12.1	16.0	İ	K=H 2
246^{a}	12.4	16.1	ȧ	N 1
247	12.1	16.2	ȧ	N 1
248	11.5	16.3	ȧ	K=H 1
249	12.3	16.7	ȧ	N 1
257	12.4	17.4	İ	K=H 2
257^{a}	12.5	17.3	ȧ	N 2

July 10, 1894

Plate 7748
V 16 Cl. Rem. Kline Int.

251	12.1	17.5	ȧ		N 1
252	11.9	18.1	ȧ	4536	N 2
253	12.0	18.2	ȧ		N 1
254	11.9	18.3	ȧ		N 1
255	11.6	18.7	ȧ		N 2
256	12.5	18.5	ȧ		N 1
257	11.8	18.7	F	4537	K=H 1
257a	11.4	18.8	ȧ		N 1
258	12.2	18.9	ȧ		N 2
259	12.0	19.2	Mȧr.		N 2
260	12.3	19.2	ȧ		N 2
261	Same as Star 197				
~~Same as 197~~ 262	12.1	19.6	ȧ		N 1
263	12.0	20.0	ȧ		N 1
264	12.5	20.2	Ḟ	4538	K=H 1
265	11.5	21.1	Ḣ		N 1
266	12.1	21.3	Ė		K=H 1
267	11.9	21.5	Ḟ	4539	K=H 2
268	11.5	21.8	ȧ		N 1
269	11.9	23.4	ȧ		N 3
270	12.5	23.3	G5H		K=H 2
271	12.2	23.6	ȧ		N 1
272	Plate does not cover Region				
273	12.5	5.5	ȧ		N 1
274	12.4	5.8	ȧ		N 1
275	13.4	6.2	ȧ	4540	N 4
276	12.7	6.7	ȧ		N 2
277	12.7	6.8	ȧ		N 1

July 10, 1894

Plate 7748
& He Cl. Rim.$^{\text{sr.}}$ Kline Int.

278	13.0	7.0	ȧ	sr 1
279	12.9	7.1	ȧ	sr 2
280	12.9	7.4	ȧ²	sr 1
281	~~12.9~~	~~7~~	Too faint	
282	13.4	7.6	ȧ	sr 1
283	12.7	8.1	ȧ	K=H 1
284	13.3	8.4	ȧ	sr 1
285	12.4	8.4	ȧ	sr 2
286	12.6	8.6	ḟ, 4541	K=H 1
287	13.0	8.8	ȧ	sr 1
288	12.8	9.1	ȧ	sr 2
289	13.1	9.3	ȧ	sr 1
290	12.9	9.5	ḟ	K=H 3
291	13.4	10.5	ȧ	sr 1
292	13.0	10.8	ḟ 4542	K=H 2
292a	12.8	11.1	ȧ	sr 1
293	13.0	11.4	ȧ	sr 2
293a	13.0	11.6	Ḣ	sr 1
294	13.3	11.6	ḟ 4543	K=H 1
295	13.2	11.9	Cont.	sr 2
296	13.2	12.0	ȧ	sr 3
297	13.2	12.3	ḟ 4544	K=H 2
298	13.2	12.6	ȧ	sr 3
299	13.3	12.6	ȧ	sr 3
300	13.3	12.7	ȧ	sr 3
301	13.3	12.7	ȧ	sr 2
302	13.4	12.8	ȧ	sr 2
303	13.4	12.9	ȧ	sr 2

July 10. 1894

Plate 7748
& H. Cl. Rem. K line Int.

304	12.8	13.1	ė		K=H 1
305	13.4	13.3	ȧ		or 2
306	12.9	13.4	ė₂		K=H 1
306ª	13.5	13.1	ä		or 1
307	12.7	14.0	F	4546	K=H 2
308	13.0	14.1	ȧ		or 1
309	12.9	14.~~3~~4	ȧ		K=H 1
310	13.4	14.5	ȧ		K=H 1
311	13.1	14.6	ė		K=H 1
312	13.1	15.1	G		K=H 2
313	12.7	15.6	ȧ		or 2
314	12.8	15.6	ȧ		or 2
315	13.0	15.7	ȧ		or 1
316	13.2	15.8	ȧ		or 1
317	13.2	16.0	ȧ		or 1
318	12.8	16.2	ȧ		or 2
319	12.6	16.4	ȧ		K=H 1
320	13.5	16.7	Ḣ		or 1
321	13.0	16.7	ȧ		or 1
321ª	12.8	16.7	ä		or 1
321ᵇ	13.3	16.7	ȧ		or 2
322	13.3	17.0	ȧ		or 3
322ª	13.2	17.0	ȧ		or 1
323	12.8	17.1	ȧ		or 1
324	13.3	17.3	ȧ		or 1
325	13.0	18.0	ȧ		or 1
326	12.9	18.0	Mȧ		or 1
327	12.7	18.5	ȧ		or 2

July 10. 1894

Plate 7748

Limit	F	Br.		V	H C	Cl.	Rem. Kline Int.	$v+3\,(51^\circ+v\frac{x3}{8})$			A-15	ƒ			
			328	12.8	18.7	ȧ	K=~~o2~~H 3								
			329	15.1	18.8	ȧ	n 2								
			330	13.3	18.7	ȧ	n 1								
			331	13.2	19.0	ȧ	n 2								
			332	12.8	19.3	ȧ	n 1								
			333	13.1	19.4	ȧ	n 2								
1 β ✗	F	6.8 ✓ 6.7	334	13.3	19.5	ȧ	n 2	39.9	57°	39'	+4.5	373	16.8	10	56.8
			335	12.7	19.7	ȧ	n 3								
3 H	0	✓ 7.4	336	13.1	19.8	ȧ	n 1	39.3	57	33	+4.8	373	17.9	10	57.9
			33~~7~~6a	12.6	20.1	Ḣ	n 1								
			337	12.8	20.1	ȧ	n 4								
8 γ	F	✓ 6.9	338	13.4	20.4	ȧ	n 1	40.2	57	42	+5.4	374	20.2	11	0.2
			339	12.9	20.7	ȧ	n 1								
9 γ	F	✓ 6.3	340	13.4	20.9	ȧ	n 2	40.2	57	42	+5.9	374	22.1	11	2.1
13 K	N	6.4 ✓ 6.5 } 6.5 6.7	341	13.5	21.1	K	K=H 2	40.5	57	45	+6.1	375	22.9	11	2.9
			342	12.9	21.2	ȧ	n 1								
13a H	N	7.4 ✓ 7.6	343	13.2	21.3	ȧ ✱	n 1	39.6	57	36	+6.3	373	23.5	11	3.5
			344	13.3	21.8	Ḣ	K=H 2								
			345	13.2	21.8	ȧ	n 1								
			346	13.0	22.8	Ea	K=H 1								
			347	12.8	22.9	ȧ	n 2								
			34~~8~~9	13.2	23.2	Ḣ	n 1								
			348	13.5	23.1	Ḣ	K=H 2								
			350	not on the plate											
			351	13.9	5.4	ġ	K=H 2								
			352	13.5	5.6	ȧ	n 2								
			353	13.8	6.1	ȧ	n 1								
12	5	5	354	14.0	6.7	Ea	K=H 1								

Begin

	A.G.C.	~~1875~~ 1900 position	No. in Clus.	1875 position
✓ ✓	15097	10 57.6 − 57 39 8½	70	10 56.6 − 57 31 8½
✓ ✓	——	10 58.8 − 57 40	83	10 57.8 − 57 32 9¼
✓ ✓	15186 2.C. 2	11 1.1 − 57 39 8½ ~~10ʰ 1.1 − 57 40 9~~	121	11 0.0 − 57 31 9¼
✓ ✓	15226	11 2.7 − 57 42 8½	157	11 1.6 − 57 34 8½
✓ ✓	15249 ~~15226~~	11 3.7 − 57 45 7¼ ~~11 2.7 − 57 42 8½~~	173	11 2.6 − 57 37 7½
✓	——	11 ~~2.5~~ 4.5 − 57 33		approx. 11 ~~1~~3.4 − 57 26

July 30. 1894

Plate 7748

11h 30m V 14 Cl. Rem. NT, Holinedint.

	355	14.4	7.2	H		K=H 1
	356	14.3	7.9	a		N 1
	357	14.0	8.8	G		K=H 2
	358	13.6	9.1	G_2K		K=H 3
	359	14.1	9.3	a		K=H 2
	360	14.3	9.5	a		N 1
	361	14.0	9.7	a?		N 1
	362	13.6	9.7	H		K=H 2
	363	14.1	9.9	F	4547	K=H 3
	363^a	13.8	10.0	a		N 1
	364	13.6	10.2	H		N 1
	365	14.2	10.1	a		N 1
	365^a	14.2	10.2	a		N 1
× 3374 4.05	366	14.4	10.6	F	Ql. mag. 4.2 4548	K=H 5
	366^a	14.3	10.7	F		N 1
	367	13.7	10.8	a		K=H 1
	368	13.8	10.9	a		N 1
	369	14.3	11.4	a		N 2
	370	14.0	11.7	B	4549	N 2
	371	14.2	11.9	a	4550	K=~~H~~ 0.5H 3
	372	13.8	12.0	E		K=H 2
	373	14.1	12.3	F	4551	K=H 1
	373^a	13.9	12.9	a		N 1
	374	14.1	12.9	a		N 1
	375	13.7	13.1	a		N 1
	375^a	14.0	13.1	F?	4552	K=H 2
	376	14.3	13.1	F	4553	K=H 3
	377	14.0	13.2	a		N 1

R.A. 1900 Dec.

A.G.C. ~~14404~~ 14396 10^{h} ~~29.0~~ 28.6 -58° ~~9~~ 2' ~~7~~ 8½

A.G.C. 14404 10 29.0 -58 9 7

July 30, 1894

Plate 7748

V. He. Cl. Rim. Kline Int.

	377a	14.3	13.5	a		N 1
	378	14.4	13.5	Mia		K=H 3
	378a	14.0	14.0	E		K=H 1
~~3468~~ 9.02	379	14.4	14.2	a	Ob. Br 7.7	N 2
	380	13.5	14.2	a		N 1
	381	14.1	14.4	F		K=H 1
	382	13.5	14.8	a		N 2
	383	14.2	15.2	a		N 1
	384	13.7	15.4	a		N 1
	385	14.2	15.8	a		N 2
	386	13.9	16.0	a		N 1
	387	14.4	16.1	H		K=H 1
	388	14.0	16.2	a		N 1
	389	13.6	16.9	a	4554	N 3
	390	14.3	17.0	a	4555	N 2
	391	14.2	16.9	a		K=H 1
	392	14.0	17.1	a		N 2
	393	14.7	17.3	a		N 1
	394	14.5	17.2	a		N 3
	395	14.4	17.3	b		K=H 4
	396	14.4	17.3	a		N 2
	397	14.6	17.6	a		N 1
	398	14.0	17.6	a		N 1
	399	14.1	18.1	K		K=H 2
	400	14.5	18.0	a		N 1
	401	14.3	18.3	a		N 2
	402	13.6	19.0	a		K=H 1
	402a	13.7	19.1	a		N 1

July 30, 1894

Plate 748

V He Cl. Rem m Klein Int.

v×3 51 + v×3/6

101 ✓	α	N	6.9 7.0 ✓	403	14.5	19.5	a		N 1	43.5	58°	15′ +4.5	3.80	17.1	10	57.5
102 ✓	H	–	6.9 ✓	404	14.4	19.6	a		N 1	43.2	58	12 +4.6	3.80	17.5	10	57.5
17 ✓	j	F	6.4 ✓	405	13.7	19.7	a		N 2	41.1	57	51 +4.7	3.76	17.7	10	57.7
18	α	N	6.8 ✓	405a	13.9	19.7	a		N 1	41.7	57	57 +4.7	3.77	17.7	10	57.7
19	β	F	6.4 ✓	406	13.7	19.7	a		N 2	41.1	57	51 +4.7	3.76	17.7	10	57.7
16	β	N	6.5 ✓	406a	14.0	19.9	a		N 1	42.0	58	0 +4.9	3.78	18.5	10	58.5
22 ✓	δ	N	6.3 ✓	407	13.7	20.0	a		N 2	41.1	57	51 +5.0	3.76	18.8	10	58.8
25	K	N	6.4 ✓ 6.8	407a	13.8	20.1	H		K=H 2	41.4	57	54 +5.1	3.76	19.2	10	59.2
106 ✓	H	N	6.8 ✓	408	14.4	19.8	a		N 1	43.2	58	12 +4.8	3.80	18.2	10	58.2
167 ✓	H	N	6.9 ✓	409	14.1	19.9	a		N 1	42.3	58	3 +4.9	3.79	18.6	10	58.6
	j	F	6.2 ✓													
107	~~H~~	~~N~~	6.8	410	14.4	20.0	a		N 2	43.2	58	12 +5.0	3.80	19.0	10	59.0
183	K	N	6.7 ✓	409a	14.3	19.7	g		K=H 2	42.9	58	9 +4.7	3.79 7	17.8	10	57.8
108	H	N	6.6 ✓	409B	14.4	20.1	a		N 1	43.2	58	12 +5.1	3.80	19.4	10	59.4
110	H	N	6.7 ✓	409c	14.3	20.2	a		N 1	42.9	58	9 +5.2	3.79	19.7	10	59.7
112	β	N	5.9 5.9 ✓	411	14.3	20.2	a	*	N 2	42.9	58	9 +5.2	3.79	19.7	10	59.7
38 ✓	j	F	6.3 ✓	412	14.0	20.2	a		N 2	42.0	58	0 +5.2	3.79 8	19.7 6	10	59.7 6
30	α	N	6.9 ✓	412a	13.8	20.3	a		N 1	41.4	57	54 +5.3	3.76	19.9	10	59.9
76 ✓	H	N	6.3 6.7	413	14.3	20.5	a	*	N 2	42.9	58	9 +5.5	3.79	20.8	11	0.8
72	H	N	6.3 5.9 ✓	414	14.2	20.4	a	*	N 2	42.6	58	6 +5.4	3.79	20.5	11	0.5
35	H	N	7.5 ✓	414a	14.0	20.5	a		N 1	42.0	58	0 +5.5	3.78	20.8	11	0.8
81 ✓	K	N	5.7 ✓	415a	14.3	20.7	H H6		K=H 3	42.9	58	9 +5.7	3.79	21.6	11	1.6
86	H	N	5.9 4.8 ✓	415	14.0	20.6	a		N 1	42.0	58	0 +5.6	3.78	21.2	11	1.2
✗ 85	H	N	6.5 6.4 ✓	416	14.4	20.8	a		N 2	43.2	58	12 +5.8 8	3.80	22.0 8	11	2.0 8
45	H	N	6.8 ✓	416a	13.8	20.6	a		N 1	41.4	57	54 +5.6 6	3.76	21.8 8	11	1.8 8
126 125	β	N	6.4 ✓	417	14.5	20.8	a		N 1	43.5	58	15 +5.8	3.80	22.2 1.3	11	2.2 1.3
44	H	N	7.1 ✓	416b	13.9	20.8	a		N 1	41.7	57	57 +5.8	3.77	21.9	11	1.9
128	δ	H	5.9 ✓	418	14.6	20.7	a		N 2	43.8	58	18 +5.7	3.80	21.7	11	1.7
28	H	N	6.9 ✓	418a	14.0	20.9	a		N 1	42.0	58	0 +5.9	3.78	22.3	11	2.3
83	α	N	6.6 ✓	417	14.5	20.9	a		N 1	43.5	58	15 +5.9	3.80	22.4	11	2.4
51	α	N	6.8 ✓	419a	14.0	21.1	a		N 1	42.0	58	0 +6.1	3.78	23.0	11	3.0
✗ 104	K	N	6.4 ✓	420	14.8	21.1	~~H~~ a		N 2	44.4	58	24 +6.1	3.82	23.3	11	3.3
179	H	N	7.2 ✓	420a	14.9	21.1	a		N 1	44.7	58	27 +6.1	3.82	23.3	11	3.3
✗ 95	H	F	7.2 7.2 ✓	425	14.4	21.2	a		N 1	43.2	58	12 +6.2	3.80	23.6	11	3.6
53 ✓ 96	K	N	6.8	422	13.9	21.2	E		K=H 2	41.7	57	57 +6.2	3.77	23.4	11	3.4
✓ 96	j	F	6.3 ✓	423	14.4	21.3	a		N 2	43.2	58	12 +6.3	3.80	23.9	11	3.9
99	α	F	6.5 ✓	424	14.4	21.5	a		N 2	43.2	58	12 +6.5	3.80	24.7	11	4.7
				425	13.6	21.6	a		N 2	~~40.9~~	~~57~~	~~48 +~~				
				426	14.1	21.7	a		N 2							
				427	14.0	21.8	a		N 3							
				428	13.9	22.1	Ma		N 2							

	No. A.G.C.	(1900) h	m	°	′	mag.	A.G.C. No. in Clus.	(1875) h	m	°	′		
✓ ✓	15109	10	58.0	−58	15	9	72	10	57.0	−58	7	9¼	
✓ ✓	15115	10	58.2	−58	13	8	76	10	57.2	−58	5	7½	
✓ ✓	——	10	58.4	−57	53		78	10	57.4	−57	45	8½	
✓ ✓	——	10	58.6	−57	5~~7~~8		Approx.	10	57.~~5~~6	−57	52 ~~54~~		
✓ ✓	——	10	58.9	−57	51		88	10	57.9	−57	43	9¼	
✓ ✓	——	10	59.3	−58	01		Approx.	10	58.~~2~~3	−57	55 3		
✓ ✓	——	10	59.6	−57	51		96	10	58.6	−57	43	8½	
✓ ✓	——	11	0.0	−57	55		101 ✓	10	59.0	−57	47	7¾ ✓	
✓ ✓	——	10	59.2	−58	13		Approx.	10	58.~~1~~2	−58	4.9		
✓ ✓	——	10	59.6	−58	02 03		Approx.	10	58.~~4~~6	−57	~~56~~ 54 55 3		Two stars superposed
✓ ✓	15150	10	59.6	−58	14	9¼	97	10	58.6	−58	6	8½	
✓ ✓	15124	10	58.6	−58	10	8¼	81	10	57.6	−58	2	8½	
✓ ✓	15154	11	0.0	−58	11	8¼	100	10	58.9	−58	3	8½	
✓ ✓	15165	11	0.3	−58	9	8½	103	10	59.3	−58	1	8¼	
✓ ✓	→ 15171	11	0.5	−58	10	8½	106 107	10 10	59.5 59.5	−58 −58	1 2	9¾ 9	106 superposed on 107
✓ ✓	——	11	0.~~5~~6	−58	01		Approx	10	59.~~5~~6	−57	5~~5~~3		
✓ ✓	——	11	0.9	−57	53		Approx	10	59.9	−57	45		
✕	~~15199~~	~~11~~	~~1.8~~	~~−58~~	~~58~~	~~8¼~~	~~135~~	~~11~~	~~0.7~~	~~−58~~	~~8~~	~~8~~	
							~~Approx. 123~~	~~11~~	~~0.2~~	~~−57~~	~~57~~	~~9½~~	
✓ ✓	——	11	1.~~6~~2	−58	05		132	11	0.6	−57	59	8½	→ 123 11 0.2 − 57 57 1½
✓ ✓	——	11	1.~~8~~6	−58	00		Approx	11	0.~~4~~5	−57	52		
✓ ✓	15215	11	2.3	−58	7	6.9	149	11	1.2	−57	60	7	
✓ ✓	——	11	2.~~1~~2	−57	59		~~152~~	~~11~~	~~1.4~~	~~−57~~	~~55~~	~~8½~~	? Approx pos. 11ʰ 1.1ᵐ −57° 51′
✓ ✓	15228	11	2.9	−58	10	8	~~149~~ 163	11	1.8	−58	2	8¾	
✓ ✓	——	11	2.9	−57	51		Approx.	11	1.98	−57	43		
✓	——	11	2.4	−58	12		Approx.	11	1.3	−58	4		
✓ ✓	——	11	2.8	−57	55		Approx.	11	1.7	−57	47		
✓ ✓	~~15225~~	11	2.7	−58	15	7½	~~153~~ ~~156~~ 156	11	1.~~5~~6	−58	~~4~~7	~~9¼~~ 8	
✓ ✓	——	11	3.~~2~~5	−57	5~~7~~8		Approx.	11	2.~~1~~4	−57	~~48~~ 50		
✓ ✓	15245	11	3.5	−58	13	8	168	11	2.4	−58	5	8¾	
✓ ✓	——	11	3.8	−57	57		approx	11	2.7	−57	49		
✓ ✓	15263	11	4.2	−58	21	8	181 ✓	11	3.1	−58	13	8	
✓ ✓	——	11	4.0	−58	24		177	11	2.9	−58	16	9	
✓ ✓	——	11	4.5	−58	10		Approx.	11	3.4	−58	2		
✓ ✓	——	11	4.2	−57	53		182 ✓	11	3.1	−57	45	8¾ ✓	
✓ ✓	15295	11	5.5	−58	9	8½	194	11	4.4	−58	1	9	
✓ ✓	1527~~8~~7	11	4.9	−58	11	8~~½~~	190	11	3.8	−58	3	8½	

✓ ✕ No. 413 = 11 1.6 − 58 07 132 11 0.6 − 57 59.3 8½ - star at about 11 0.6 - 57 58.8 superposed

July 30, 1894

Plate 7748
V He Cl. Rim W. Kline Int.

429	14.3	22.2	ȧ	Sr 2
430	14.4	22.3	ȧ	Sr 1
431	14.4	22.5	ȧ	Sr 2
432	14.1	22.5	ȧ	Sr 1
433	13.7	23.0	ȧ	Sr 3
434	136	236	ȧ	Sr 1
435	13.7	24.0	Mȧ	Sr 2
435^{a}	13.6	24.3	ȧ	Sr 2
435^{b}.	14.0	24.4	Ḣ	Sr 1
436	14.3	24.3	ȧ	Sr 2
437	15.0	6.4	Mȧ	Sr 2
438	14.9	7.0	ȧ	Sr 2
439	14.4	7.8	Mȧ	Sr 1
440	14.7	8.0	ȧ	Sr 2
441	15.4	8.6	ȧ	Sr 3
442	14.6	8.8	ȧ	Sr 1
443	14.6	9.1	ḟ 4556	K=H 2
444	15.0	9.5	ȧ	Sr 1
445	15.4	9.6	K̇	K=H 2
446	14.6	9.8	ȧ	Sr 1
447	14.7	10.0	ȧ	Sr 3
448	14.7	10.3	ȧ	Sr 1
449	14.6	10.8	Ḣ	K=H 2
450	15.4	10.8	ȧ	Sr 1
451	15.2	11.0	ȧ	Sr 2
452	14.9	11.3	ȧ	Sr 2
453	15.4	11.5	ȧ	Sr 1
454	15.3	11.8	ȧ	Sr 1

July 30, 1894

Plate 7748

		V	H	Cl.	Rem.	K line Int.
	455	14.9	12.3	ȧ		Sr 1
	456	15.0	12.4	ȧ		Sr 1
	457	14.9	12.7	ȧ		Sr 1
	458	14.7	12.8	ė		K=H 2
	458a	14.5	12.9	ȧ		Sr 1
	459	15.2	$1\overset{2}{3}.9$	ȧ		Sr 3
	460	15.1	13.0	ȧ		Sr 2
	461	14.7	13.0	ȧ		Sr 2
	462	15.2	13.1	ȧ		Sr 2
	463	14.9	13.3	ȧ		Sr 2
	463a	14.8	13.4	ȧ		Sr 1
	463b	$1\overset{5}{4}.0$	13.4	ȧ		Sr 2
	464	15.1	13.5	K̇		K=H 3
	465	15.3	13.5	ȧ		Sr 3
	466	15.3	13.6	ȧ		Sr 2
	467	14.8	13.7	ȧ		Sr 1
	468	14.7	13.9	ȧ		Sr 1
	469	14.5	14.0	Ḟ		Sr 1
	470	15.3	14.1	ȧ	4557	Sr 2
	470a	15.1	14.1	ȧ		Sr 2
X3474 5.51	471	15.2	14.5	Cont.	ab. Br. 4.9 4558	Sr 3
	471a	15.1	14.4	ȧ		Sr 1
	471b	14.9	14.6	ȧ		Sr 1
	472	14.6	14.6	ȧ		Sr 1
	473	15.0	14.7	ȧ		Sr 2
	474	15.0	14.8	ȧ		Sr 2
	475	15.5	15.0	ȧ	4539	Sr 1
	476	15.6	15.2	ȧ		Sr 2

July 30, 1894

Plate 7748

12 55 V. H. C. Cl. Rem.^{w} Kline Int.

			477	15.4	15.4	a	K=H 2								
			478	15.0	15.8	a	N 1								
			479	15.2	15.9	a	N 1								
			480	15.4	16.2	a	N 3								
			481	15.2	16.5	a	N 1								
			482	15.1	16.7	a	K=H 2								
			483	14.7	16.8	a	N 1								
			484	15.2	17.0	? 4 X560	K=H 1								
			485	15.1	17.0	a	N 2								
			485a	15.6	17.0	a	N 1								
			485b	15.5	17.1	a	N 1								
			486	15.6	17.3	a	N 2								
			486a	15.3	17.8	a	N 1								
			487	15.0	18.2	a	N 1								
			488	15.1	18.5	a	N 2								
			489	15.2	18.7	a	N 3								
			490	14.6	19.0	a	N 2								
			491	14.8	19.0	a	N 3								
			492	14.8	19.1	a	N 1								
			492a	15.2	19.2	a	N 1								
146 ✓	F	6.5 ✓	493	15.1	19.7	a	N 2	45.3	58°	33′ + 4.7	3.83	18.0	10	58.0	✓ ✓
148 ✓ α	N	6.9 ✓	494	14.7	19.8	a	N 1	44.1	58	21 + 4.8	3.81	18.3	10	58.3	✓ ✓
145 K	N	6.6 ✓	494a	15.6	19.7	E	K=H 1	45.0	58	30 + 4.7	3.83	18.0	10	58.0	✓
152 S	F	5.8 ✓	495	15.0	20.2	a	N 3	45.0	58	30 + 5.2	3.83	20.0	11	0.0	✓ ✓
157 H	N	7.0 ✓	495a	15.0	20.3	a	N 1	45.0	58	30 + 5.3	3.83	20.3	11	0 3	✓ ✓
158	N	6.9 ✓	495b	15. ~~1~~ 6	20. ~~3~~ 6	a	N 1	45.3	58	33 + 5.3	3.83	20.3	11	0.3	✓ ✓
163 J	F	6.6 ✓	496	14. ~~7~~	20. ~~4~~	a	N 2	43.8	58	18 + 5.3	3.80	20.1	11	0.1	✓
165 J	F	6.4 ✓	497	14. ~~8~~ 15	20. ~~8~~ 5	a	N 2	44.1	58	21 + 5.5	3.81	21.0	11	~~8~~ 1. 0	✓
167 J	F	6.1 ✓	498	15.4	20.5	a	N 2	46.2	58	42 + 5.5	3.85	21.2	11	1. 2	✓
169 α	N	6.7 ✓	499	15.6	20.4	a	N 1	46.8	58	48 + 5.4	3.86	20.8	11	0. 8	✓ ✓
170 H	N	7.1 ✓	499a	15.1	20.6	a	N 1	45.3	58	33 + 5.6	3.83	21.4	11	1. 4	✓ ✓
171 J	F	6.4 ✓	500	14.8	20.8	a	N 2	44.4	58	24 + 5.8	3.82	22.2	11	2. 2	✓

	A.G.C.	1900 pos.					1875 pos.					
✓ ✓	15130	10	58.9	−58	34	8½	85	10	57.9	−58	26	8¼
✓ ✓	Z.C. 4204	10	59.0	−58	21	9¼	90	10	58.0	−58	13	9¼
✓ ✓		10	59.1	−58	30		approx	10	57.9	−58	22	
✓ ✓	15174	11	0.7	−58	29	8¼	113	10	59.7	−58	28	8¼
✓ ✓	Z.C. 4356	11	0.9	−58	29	9	118	10	59.9	−58	21	9
✓ ✓	Z.C. 4369	11	1.0	−58	32	9	120	11	0.0	−58	25	9
✓		~~11~~ ~~11~~	~~1.4~~ ~~1.5~~	~~−58~~			~~approx~~ ~~110~~	~~10~~	~~0.4~~ ~~59.7~~	~~−58~~ ~~−58~~	~~10~~ ~~7~~	~~9~~
✓		11	1.8	−58	21		138	11	0.8	−58	13	8¾
							142	11	0.9	−58	10	8½
✓ ✓	Z.C. 56	11	1.9	−58	42	8	137	11	0.8	−58	34	8
✓ ✓	Z.C 39	11	1.7	−58	47	8¾	131	11	0.6	−58	39	8¾
✓ ✓		11	2.5	−58	32		approx	11	1.24	−58	24	
✓ ✓	15231	11	3.0	−58	22	8¼	165	11	1.9	−58	14	8¼

star at about {10 58.1 − 58 19 (1875) / 10 59.1 − 58 27 (1900)} superposed

~~9¼ {11 0.4 − 58 10 / 11 0.5 − 58 25}~~

Plate 7748

& Hb Cl Rem.^{nt} Kline Int.

132) ✓ H	N	6.9 ✓ 7.0	501	14.7	21.0	ȧ	*	N	1	44.1	58°	21'	+ 6.0	3.81	22.9	11	2.9
174 ✓ α	F	6.5 ✓	502	15.3	20.9	a		N	2	45.9	58	39	+ 5.9	3.85	22.7	11	2.7
180 ✓ K	N	✓ 4.52 4.75	503	14.9	21.2	K		K = 1.5 H	4	44.7	58	27	+ 6.2	3.83	23.7	11	3.7
137 ✓ K	N	5.1 5.8	504	14.7	21.4	G		K = H	3	44.1	58	21	+ 6.4	3.81	24.4	11	4.4
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	No. A.G.C.	h	m	° 1900	'	mag.		No. Clus.	h 1875	m	°	'	mag.
✓ ✓	15254	11	3.8	−58	18	9		174	11	2.7	−58	10	9¼
✓ ✓	——	11	3.4	−58	35			Approx	11	2.3	−58	27	
✓ ✓	15266	11	4.4	−58	26	4.6	Carina x	184	11	3.3	−58	18	4.6
✓ ✓	15293	11	5.4	−58	18	7½		193	11	4.3	−58	10	7½

Plate

			δ	He	Cl	Rum^{m}.	K line	Int.
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		537						
		538						
		539						
		540						
		541						
X3432	5.28	542	16.0	12.9	K	K=H	3	5.1} 5.4}
		543						
		544						
		545						
		546						
		547						
		548						
X3465	6.48	549	6.2	14.2	C.	?	3	5.5
		550						
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Plate
V H Cl Rein Nr. Kilnie Int.

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Plate
V H Cl. Rem. Kelvin Int.

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Plate
V H Cl Rem K·line Int.

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Plate
V H Cl. Rem K Line Int.

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Plate
& H Cl. Rem^{rr} K line Int.

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			674									
			675									
* —			676									
X	3386	9.28	677	18.2	11.2	a	β	n	2	6.7	6.7	
			678									
			679									
			680									
			681									
			682									
X	3477	4.44	683	17.9	14.7	K	K	K=H	3	4.8 5.3 }		
X	3496	6.38	684	18.0	15.4	a	δ	n	3	5.3		Fe line.
X	3503	8.48	685	18.0	15.6	a	γ	n	2	6.6		
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Plate
& H Cl. Rim or, K line Int

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⑪th /

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Plate
V M6 Cl. Rem^{Nt.} K line Int.

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X 3384 7.78 747 18.7 11.2 a:² α K=H 2 6.0
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Plate
& H Cl. Rem$^{\text{NT}}$, Kilmer Int.

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Plate
V H6 Cl. Rem.$^{\text{Nr.}}$ K line Int.

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Plate
δ +16 Cl. Remⁿᵒ Kline Int.

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X3260 6.68 817 20.6 7.6 a. δ n 3 F1 5.2
X3293 3.42 818 19.9 8.4 K K K=H 4 - 4.4 4.9 }
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X3406 3.62 829 20.3 12.1 a δ n 5- B
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Plate	& 16 Cl. Rim. Kline Int.
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Plate
D + H Cl. Rumnr. Kilmer Int.

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Plate
& He Cl Rim. Kline Int.

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× 3679 5.47 917 20.9 20.7 a?β K=H 4 - 4.7
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	Plate v He Cl. Resm^{nr}. Kline Int.
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Plate
V Ho Cl Rim$^{\text{no.}}$ Kline Int.

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× 3662 4.80 967 21.8 20.2 G. K K=H $4-\overset{4.6}{4.8}$
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Plate
& He Cl Rem.$^{sw.}$ Kline Int.

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Plate
& 16 Cl. Rem^{ins}. K line Int.

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✓ 1027
✓ 1028
✓ 1029
✓ 1030
✓ 1031
✓ 1032

Plate
D He Cl Rum. Kline Int.

✓ 1033
✓ 1034
✓ 1035
✓ 1036
✓ 1037
✓ 1038
✓ 1039
✓ 1040
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5.23
X 3385. 1056
1057
✓ 1058
✓ 1059
✓ 1060

Plate

0-16 Cl Rem^{nr}, Kline Int.

✓ 1061
✓ 1062
✓ 1063
✓ 1064
✓ 1065
✓ 1066.
✓ 1067
✓ 1068
✓ 1069
✓ 1070
✓ 1071
✓ 1072
✓ 1073
✓ 1074
✓ 1075
✓ 1076
✓ 1077
✓ 1078
✓ 1079
✓ 1080
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Plate
& He Cl Remᵐʷ Klvie Int.

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✓ 1098
✓ 1099
✓ 1100
✓ 1101
✓ 1102
✓ 1103
✓ 1104
✓ 1105
✓ 1106
✓ 1107
✓ 1108
✓ 1109
✓ 1110
✓ 1111
✓ 1112
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1116

Plate
V He Cl Rem. K line Int.

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✓ 1138
✓ 1139
✓ 1140
✓ 1141
✓ 1142
✓ 1143
✓ 1144

Plate
& He Cl. Rem^{m}. H line Int.

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Plate
v Ho Cl Rem No. Kline Int

May 28, 1895

Plate 9489 X Coarse Cluster South of η Carinae

& H Cl Rem, Kluse Int.

									2xV	3xV±59°40'					+10^h	23.1
H	N.	7.6 ✓ * 7.3 ✓	990	x6.0	17.2	ȧ		N 1	18.0	62	40	+2.2	4.35	9.6	10	32.7
K	N.	6.4 } 6.6 } ✓	996	6.2	19.5	H G	K=H	3	18.6	62	46	+4.5	4.36	19.6	10	42.7
H	N.	7.5	998	6.4	20.4	ȧ		N 1	19.2	62	52	+5.4	4.38	23.7		46.8
H	N	7.4 ✓	1027	6.9	16.8	ȧ		N 1	20.7	63	~~2~~7	+1.8	4.42	8.0		31.1
H	N.	7.3 ✓	1028	6.9	17.1	ȧ		N 1	20.7	63	7	+2.1	4.42	9.3		32.4
K	N.	7.1 ✓	1029	6.8	17.5	E ȧ	K=H	1	20.4	63	4	+2.5	4.41	11.0		34.1
H	N.	7.4 ✓	1030	7 ~~6~~.1	17.6	ȧ		N 1	21.3	63	13	+2.6	4.43	11.5		34.6
H	N.	7.1 ✓	1031	6.8	17.8	ȧ		N 1	20.4	63	4	+2.8	4.41	12.3		35.4
α	N.	6.8 ✓	1032	7.1	17.9	ȧ		N 2	21.3	63	13	+2.9	4.43	12.8		35.9
H	N	7.3 7.8 ✓	1033	6.9	17.9	ȧ *		N 1	20.7	63	7	+2.9	4.42	12.8		35.9
X β	F	6.3 6.5 ✓	1034	6.6	18.4	ȧ	K=0.4	~~N~~ 3	19.8	62	58	+3.4	4.40	15.0		38.1
K	N	7.3 } 6.7 } 7.5 } 7.1 } ✓	1035	6.9	18.8	H *	K=H	1	20.7	63	7	+3.8	4.42	16.8		39.9
ε	F	5.0 ✓	1036	7.5	18.9	~~α~~ B		N 4	22.5	63	25	+3.9	4.47	17.4		40.5
H	N	7.2 } 6.9 } 7.5 } 7.1 } ✓	1037	7.2	19.0	H *		N 1	21.6	63	16	+4.0	4.44	17.8		40.9
			1038	7 ~~6~~.3	19.7			Too Faint								
α	F.	6.8 ✓	1039	7 ~~6~~.3	19.9	ȧ	K=0.4	~~N~~ 2	21.9	63	19	+4.9	4.44	21.8		44.9
			1040	7.0	20.3			Too Faint								
K	F	6.5 ✓	1058	7.4	16.2	~~G~~ B	K=H	2	22.2	63	22	+1.2	4.46	5.4		28.5
H	N	* 7.6 7.3 ✓	1059	7.3	16.7	ȧ		N 1	21.9	63	19	+1.7	4.44	7.5		30.6
δ	F.	6.2 ✓	1060	7.8	16.9	ȧ		N 3	23.4	63	34	+1.9	4.49	8.5		31.6
			1061	7.5	17.0			Too Faint								
H	N.	6.9 ✓	1062	8.0	17.1	ȧ		N 1	24.0	63	40	+2.1	4.50	9.4		32.5
H	N	6.8 ✓	1063	8.0	17.1	ȧ		N 1	24.0	63	40	+2.1	4.50	9.4		32.5
ε	F	5.7 ✓	1064	7.7	17.8	~~α~~ B		N 3	23.1	63	31	+2.8	4.48	12.5		35.6
H	N	7.0 } 7.5 } ✓	1065	7.5	18.1	H		N 1	22.5	63	25	+3.1	4.46	13.8		36.9
δ	F	6.1 ✓	1066	7.7	18.3	ȧ		N 2	23.1	63	31	+3.3	4.48	14.8		37.9
X ~~ζ~~ 3.4 5.5	~~F~~	5.7 | 5.9 ✓ 6 | 6.6 ✓	1067	8.4	18.2	ȧ		N 2	25.2	63	52	+3.2	4.54	14.5		37.6
X ζ	F	5.2 ~~5.9~~	1068	8.4	18.5	ȧ		N 3	25.2	63	52	+3.5	4.54	15.9		39.0

Z.C.2322	10	32.8	-62	42	9½
14765		42.7	-62	46	7¾
Z.C.3348		46.8	-62	51	10
Z.C.2392		34.1	63	7	9
✓14645					
✓14702 ✓	10	40.5	-63	26	5.6 ✓
✓14819					
✓14393 ✓	10	28.4	-63	26	7¾ ✓
✓14470 } ✓14472 }					
✓~~14505~~					
14505					
14587 ✓	10	35.9	-63	36	7.0 ✓
14610					
14637					
14653					
14660					
~~[illegible]~~					

3rd " 4.6

2nd " 4.4

Plate 9489

V Ho Cl Rum. Nr. Kline Int.

*		✓4.4								59° 40′				+10h	23.1m
ε	F.	4.2	1069	8.1	18.7	ȧ		N 4	24.3	63	43+3.7	4.51	16.7	10	39.8
α	F	6.3 ✓ 6.2	1070	8.3	18.4	ȧ	*	N 2	24.9	63	49+3.4	4.52	15.4		38.5
β	F	6.4 ✓	1071	7.7	18.8	ȧ		N 2	23.1	63	31+3.8	4.48	17.0		40.1
δ	F	5.6 ✓	1072	8.0	18.8	ȧ	B	N 3	24.0	63	40+3.8	4.50	17.1		40.2
			1073					Too Faint							
			1074					Too Faint							
ε	F	5.2 ✓	1075	8.1	19.4	ȧ		N 3	24.3	63	43+4.4	4.51	19.8		42.9
ε	F	5.2 ✓	1076	8.3	19.5	ȧ		N 3	24.9	63	49+4.5	4.52	20.3		43.4
			1077					Too Faint							
δ	F.	5.9 ✓	1078	8.1	19.7	ȧ		N 2	24.3	63	43+4.7	4.51	21.2		44.3
			1079	8.1	20.0			Too Faint							
			1080	7.6	21.2			" "							
			1098	8.7	15.5			" "							
γ	F	5.8 ✓	1099	8.5	17.7	ȧ		N 2	25.5	63	55+2.7	4.55	12.3		35.4
H	o	7.4 ✓	1100	8.8	17.8	ȧ		N 1	26.4	64	4+2.8	4.58 7	12.8		35.9
δ	F	6.0 ✓	1101	8.8	18.1	ȧ		N 2	26.4	64	4+3.1	4.57	14.2		37.3
F	N	6.0 ✓	1102	8.5	18.2	ȧ		N 2	25.5	63	55+3.2	4.55	14.6		37.7
			1103	8.4	18.7			Too Faint							
α	F	6.6 ✓	1104	9.0	19.2	ȧ		K=4 ~~N~~ 1	27.0	64	10+4.2	4.59	19.3		42.4
α	N	6.8 6.4 ✓	1105	8.7	19.3	ȧ	*	N 2	16 25.1	64	1+4.3	4.56	19.6		42.7
ε	F	5.2 ✓	1106	8.6	19.3	ȧ		N 3	25.8	63	58+4.3	4.56	19.6		42.7
			~~1107~~					~~Too Faint~~							
δ	F	6.1 ✓	1108	8.7	19.6	ȧ	B	N 2	26.1	64	1+4.6	4.56	21.0		44.1
γ	F	6.9 ✓	1109	8.7	20.1	ȧ		N 1	26.1	64	1+5.1	4.56	23.3		46.4
β	F	6.7 ✓	1110	8.6	20.3	ȧ		N 2	25.8	63	58+5.3	4.56	24.2		47.3
α	N	6.9 ✓	1111	8.5	20.7	ȧ		N 1	25.5	63	55+5.7	4.55	25.9		49.0
			1112					Too Faint.							
F	N	7.1 ✓	1138	9.6	16.5	ȧ		N 1	28.8	64	28+1.5	4.64	7.0		30.1

R. A.$_{1900}$ Dec. Magn.

14667
Z.C 2821

14681

14692 ✓ 10 40.3 -63 44 6.6 ✓

14769
14775
14781
14800

14575
10 36.0 -64 10
14618
14631
10 39.2 -64 9
Z.C 3000
14761
14764
~~14794~~

14794 ✓ 10 44.0 -64 1 7½ ✓
14839
14852
14890

Z.C. 2127

Plate 9489

V H Cl. Rim.^{mm} K line Int.

									59°40'				+10^{h}	23.1^{m}	
* β F.	6.5 — 2nd " 6.6	1139	10.2	16.5	a		N2	30.6	64 46	+1.5	4.69	7.0	10	30.1	14434
α F	6.6	1140	10.2	16.7	a		N2	30.6	64 46	+1.7	4.69	8.0		31.1	14462
H N.	6.9	1141	9.9	16.8	a		N1	29.7	64 37	+1.8	4.66	8.4		31.5	14471
δ F	5.7	1142	9.6	17.6	a		N3	28.8	64 28	+2.6	4.64	12.1		35.2	14559
β F	6.1 6.5	1143	9.5	17.7	a	*	N2	28.5	64 25	+2.7	4.63	12.5		35.6	3C.2524
ε F	5.2	1144	9.7	18.0	a		N3	29.1 29.7	64 31 64 37	+3.0	4.65	14.0		37.1	14606
H N	7.3	1145	9.9	18.5	a		N1			+3.5	4.66	16.3		39.4	10 39.3 - 64°41
		1160	10.5	18.6				Too Faint							10^{h} 40.4 - 64°57
j F.	6.2	1161	11.4	19.3	a		N2	34.2	65 22	+4.3	4.81	20.7		43.8	14789

May 29, 1895

Plate 9431

v H Cl. 9h Kline Dist v +3° 53°

K N	6.9 7.1	1038	21.0	16.1	H	K = H	1	63.0	63°	30′	+ 1.1	4.48	4.9.~~2~~	10	44.9
α N	7.1	1040	20.6	16.7	a		N 1	61.8	63	18	+ 1.7	4.44	7.5.~~5~~	10	47.5
α N	6.8	1061	21.3	13.3	a		N 1	63.9	63	39	− 1.7	4.50	7.6,~~5~~	10	33.6
K F	6.9		21.7	15.6	F	K = H	1								
~~α F~~	~~6.5~~	1073	~~21.7~~	~~15.9~~	~~a~~		~~N 2~~	65.1	63	51	+ 0.6	4.53	2.7.~~2~~	10	42.7
H N	7.1 7.4	1074	21.2	15.7	H		N 1	63.6	63	36	+ 0.7	4.49	3.1.~~4~~	10	43.1
α F	6.5	1077	21.7	15.9	a		N 2	65.1 ~~63.9~~	63	51 ~~39~~	+ 0.9	4.53 ~~4.52~~	4.1 ~~4.2.5~~	10	44.1 ~~44.2~~
α F	6.8	1079	21.7	16.3	a		N 1	65.1 ~~63.9~~	63	51 ~~39~~	+ 1.3	4.53 ~~4.52~~	5.9 ~~5.8.5~~	10	45.9 ~~45.8~~
K N	6.7	1080	21.2	17.5	F	K = H	1	63.6	63	36	+ 2.5	4.49	11.2	10	51.2
H N	7.1	1098	21.6	12.0	a		N 1	64.8	63	48	− 3.0	4.52	13.6	10	27.6
δ F	5.7	1103	22.5	15.0	a	K = 2	3	67.5	64	15	0.0	4.60	.05	10	40.5
H N	6.8	1107	22.1	16.1	a	×	N 1	66.3	64	03	+ 1.1	4.57	5.0	10	45.0
F N	7.0	1112	22.0	18.3	a		N 1	66.0	64	00	+ 3.3	4.57	15.1	10	55.1
H N	6.8 7.0	1160	24.1	15.2	H?:		N 1	72.3	65	3	+ 0.2	4.73	.09	10	49.0

1073 410,1 ; 434,1

1080 410,2 ; 434,2

Plate
& H Cl Rem^{nr} Kline Int.

Plate
0 He Cl Rem$^{nr.}$ K line Int.

J

5 P.M.

July. 19. 1895

1.2

Plate 2348

V	He	Cl	Rem^rs	K line	Int. Br.
5.2	9.6	Ma		N	3
5.1	13.4	A		N	2
5.5	18.8	F	4561	K=H	3
5.5	21.1	A		K=H	2
5.5	23.2	F	4562	K=H	1
6.4	8.6	F	4563	K=H	2
6.4	11.5	F	4564	K=H	2
6.4	22.2	G		K=1.5H.	4
7.9	14.0	B	4565	N	3
8.5	17.4	E		K=H	1
8.6	17.6	F y G	4566	K=H	3
9.8	7.1	H		K=H	1
9.5	7.6	F	4567	K=H	1
9.4	7.7	A		N	3
9.5	12.4	F	4568	K=H	2
9.5	15.6	A		N	1
9.6	17.2	H		N	1
10.7	7.8	A		K=H	3
10.9	20.8	E		K=H	2
10.7	21.1	A		N	3
11.3	9.2	A		K=H	4
11.7	14.9	F	4569	K=H	1
11.5	17.3	H		N	1
11.3	20.0	G		K=H	2
11.6	22.1	F	4570	K=H	2
11.5	22.7	H		N	1
11.2	23.5	F	4571	K=H	1
12.6	7.2	F	4572	K=H	1

(1855)

DM. +38° 2179 10^{h} 40^{m} $8^{s}.9$ +38° $20'.0$ 7.0

July. 19. 1895

Plate 2348

V	H	Cl	Rem$^{W.}$	K line	Int.
12.3	10.8	A		n	1
12.4	11.5	A		K=H	1
12.2	14.2	I		K=H	2
12.6	15.6	F	4573	K=H	1
13.6	9.8	F G	4574	K=H	3
13.1	12.4	I		K=H	2
13.5	15.4	H		K=H	1
13.4	17.8	F	4575	K=H	1
13.7	18.0	F	4576	K=H	2
13.6	19.8	A		K=.3	4
13.8	21.0	F	4577	K=H	2
14.5	9.0	F	4578	K=H	1
14.8	10.0	E		K=H	1
14.9	14.2	A		K=.3	3
14.2	14.5	H		n	1
14.5	19.1	H		n	1
15.5	10.8	F	4579	K=H	2
15.8	11.5	F	4580	K=H	1
15.4	11.8	F	4581	K=H	1
15.9	13.0	H		K=H	1
15.5	13.7	E		K=H	2
15.3	15.2	A		K=.7	3
15.8	16.9	H		n	1
15.4	21.8	G		K=H	2
15.9	23.8	K		K=1.5	3
15.5	23.9	F	4582	K=H	3
16.6	9.1	A		K=H	2
16.7	11.2	G5K		K=H	3

July, 19, 1895

Plate 2348

x	y	Cl	Rem.	K line	Int.
16.1	15.5	H		N	1
17.0	17.0	F.	4583	K=H	2
16.6	19.1	I		K=H	2
16.1	21.9	A		K=.2	3
16.8	24.3	A		N	3
17.4	15.8	F	4584	K=H	1
18.3	19.6	I		K=H	2
18.6	9.7	F	4585	K=1.2	3
19.0	12.1	A		N	5
18.8	13.7	E		K=H	1
18.7	14.7	H		K=H	1
18.3	23.6	A		N	2
19.4	6.4	Ma		N	3
19.3	20.2	A		K=H	1
20.7	9.6	H		N	1
20.5	13.9	F	4586	K=H	2
20.9	14.8	F	4587	K=H	2
20.9	23.6	F	4588	K=H	2
21.9	6.5	K		K=1.5	5
21.2	7.5	A		K=H	2
21.5	7.9	H		N	1
21.5	8.7	F	4589	K=H	2
21.2	19.8	A		K=.5	3
22.3	14.2	H		N	1
22.6	15.9	A		N	1
23.8	10.0	K		K=H	3
23.2	10.4	I		K=H	2
23.3	12.7	H		N	1

July, 19. 1895.

Plate 2348.

	V	He	Cl	Rem.^{m.v.}	K line	Int.
	23.8	15.2	ȧ		n	3
	23.3	21.1	l̇		K=H	3
	24.5	10.2	ȧ		n	1
	24.3	12.7	ȧ		n	3
	24.1	18.6	l̇		K=H	2
	24.6	20.6	ȧ		n	2
5.35	25.1	15.8	ȧ		n	4

March 17. 1896

Plate B 15132

h m 12 35		v	He	Cl	~~Kem~~ Leimr.	Kline Int		H line	Obr. Br.		1900 pos.
334 334	1	9.2	13.9	a	β	N	2	—	5.9	A.G.C. 15097	10 57.6 -57 39 8½
—	2	9.1	14.0	a	α	N	1	—	6.7		10 57.9 -57 38
336 336	3	9.2	14.2	a	α	N	1	—	6.5		10 58.8 -57 40
—	4	9.1	14.3	a	H	N	1	—	7.0		10 59.0 -57 39
—	5	9.1	14.3	a	H	N	1	—	7.0		10 59.5 -57 38
—	6	9.1	14.4	a	H	N	1	—	6.5		10 59.5 -57 36
—	7	9.3	14.4	H	K	K=H	2	—	{6.5 6.9		10 59.5 -57 42
338 338	8	9.2	14.8	a	β	N	2	—	5.9	A.G.C. 15186	11 1.1 -57 39 8½
340 340	9	9.3	15.2	a	γ	N	3	7	5.6	A.G.C. 15226	11 2.7 -57 42 8½
—	10	9.4	15.3	a	H	N	1	—	6.5		11 3.0 -57 44
—	11	9.4	15.4	a	H	N	1	—	6.9		11 3.1 -57 42
—	12	9.4	15.5	a	H	N	1	—	6.7	A.G.C. 15247	11 3.6 -57 45 9¾
341 341	13	9.4	15.5	K	K	K=H	3	—	{5.4	5.6 } 6.0	A.G.C. 15249 11 3.7 -57 45 7¼
343	13a	9.0	15.8	a	α	m	2	—	{6.0	6.5	11 4.5 -57 33
—	14	9.2	15.6	a	H	N	1	—	7.0		11 3.9 -57 37
—	15	9.6	14.0	a	H	N	1	—	6.8		10 57.9 -57 49
—	16	9.6	14.1	a	α	N	2	—	6.4		10 58.3 -57 50
405 405	17	9.6	14.1	a	γ	N	2	7	5.8		10 58.4 -57 5~~2~~3
405a 405a	18	9.8	14.2	a	α	N	2	—	6.2		10 58.6 -57 58
406 406	19	9.6	14.3	a	β	N	2	—	5.9		10 58.9 -57 51
—	20	9.4	14.3	a	H	N	1	—	6.7		10 59.1 -57 47
—	21	9.5	14.4	a	α	N	2	—	6.5		10 59.4 -57 47
407 407	22	9.6	14.5	a	γ	N	3	—	5.6		10 59.6 -57 51
—	23	9.7	14.5	a	H	N	2	—	6.5	middle of 3	10 59.8 -57 54
—	24	9.4	14.6	a	α	N	2	—	6.5		11 0.1 -57 45
407a 407a	25	9.7	14.5	?: g	K	K=H	2	—	6.0	410, 1; 434.	11 0.0 -57 55
—	26	9.8	13.6	a	H	N	1	—	6.6		11 0.4 -57 57
—	27	9.6	14.7	a	H	N	1	—	6.5		11 0.4 -57 56
412 412	28	9.9	14.7	a	γ	N	3	7	5.5		11 0.6 -58 1

1875 positions

	✓70	10	56.6	−57	31.2	8½	
Approx. pos.	✓—	10	56.9	−57	29.5		
	✓83	10	57.8	−57	31.8	9¼	
Approx pos.	✓—	10	58.0	−57	31		
	✓92	10	58.1	−57	30.3	10¼	
Approx pos.	✓—	10	58.5	−57	28		
	✓94	10	58.5	−57	33.8	9	
	✓121	~~10~~ 11	0.0	−57	31.5	9¼	
	✓157	11	1.6	−57	33.6	8½	
Approx pos.	✓—	11	1.9	−57	35.5		
Approx pos.	✓—	11	2.0	−57	34.4		
	✓170	11	2.5	−57	36.6	9¾	
	✓173	11	2.6	−57	36.8	7½	
Approx. pos.	✓—	11	3.4	−57	25		
Approx. pos.	✓—	11	2.8	−57	29		
Approx pos.	✓—	10	56.9	−57	40.9		
Approx pos.	✓—	10	57.3	−57	42		
	✓78	10	57.4	−57	~~44.5~~ 45	8½	
Approx. pos.	✓—	10	57.6	−57	50		
	✓88	10	57.9	−57	43	9¼	
Approx. pos.	✓—	10	58.1	−57	39		
Approx. pos.	✓—	10	58.4	−57	39		
	✓96	10	58.6	−57	43.3	8½	
Approx pos.	✓—	10	58.8	−57	46		
Approx pos.	✓—	10	59.1	−57	37		
	✓101	10	59.0	−57	47.4	7¾	
	✓—	10	59.4	−57	49		star at about 11 0.3 −57 59 (1900) 10 59.3 −57 51 (1875) superposed
Approx. pos.	✓—	10	59.5	−57	48		Star at about 11 0.5 −57 55 (1900) 10 59.5 −57 47.2 (1875) Superposed
Approx pos.	✓—	10	59.6	−57	5~~2~~3		

March 17. 1896

Plate B 15132

		V	He	Cl	~~Rum~~ Lein w	Klein	Int	f line	Ole. Br.		1900 pos	
— √	√ 29	9.6	14.8	a	H	N	1	—	6.6		√ 11 h 0.9 m	-57° 56′
N12a 412a	√ 30	9.6	14.8	a	H	N	2	—	6.3		√ 11 1.0	-57 52
—	√ 31	9.5	14.8	a	H	N	1	—	6.7		√ 11 1.2	-57 49
—	√ 32	9.6	14.9	a	H	N	1	—	6.9		√ 11 1.2	-57 52
— ~~414a~~	√ 33	9.9	14.9	a	α	N	2	—	6.4		√ 11 1.3	-58 00
— √	√ 34	9.8	14.9	a	H	N	1	—	6.7		√ 11 1.5	-57 57
N14a 4 41~~5~~a	√ 35	9.9	15.0	a	α	N	2	—	6.0		√ 11 1.6	-58 00
N15a √ 415a	√ 36	9.9	15.1	a	β	N	2	—	6.0		√ 11 2.2	-57 59
—	√ 37	9.3	15.1	a	H	N	1	—	7.2		√ 11 2.0	-57 44
—	√ 38	9.5	15.5	a	α	N	2	—	6.3	4th " 3rd meas ~~6.6~~	√ 11 2.0	-57 46
— ✳	√ 39	9.7	15.1	a	H	N	1	—	6.2	6.5 6.6	√ 11 2.1	-57 53
—	√ 40	9.5	15.2	a	H	N	1	—	6.8		√ 11 2.6	-57 47
—	√ 41	9.7	15.2	a	H	N	1	—	7.2		√ 11 2.5	-57 54
—	√ 42	10.0	15.2	H	K	K=H	1	—	6.5 7.0		√ 11 2.5	-5~~7~~8 3
— √	√ 43	9.7	15.2	a	H	N	1	—	6.8		√ 11 2.7	-57 56
416b 416b	√ 44	9.7	1~~4~~5.3	a	H	N	1	—	6.1		√ 11 2.8	-57 55
416a √ 416a	√ 45	9.6	15.3	a	H	N	2	—	6.0		√ 11 2.9	-57 51
416 —	√ 46	9.9	15.3	a	α	N	2	—	6.2		√ 11 3.0	-57 59
	√ 47	9.8	15.4	a	α	N	2	—	6.3		√ 11 3.3	-57 56
N18a √ 418a ?	√ 48	9.8	15.5	a	α	N	2	—	6.2		√ 11 ~~2~~3.5	-57 58
	√ 49	9.8	15.5	a	H	N	2	—	6.3		√ 11 3.6	-57 57
	√ 50	9.5	15.5	a	H	N	1	—	6.8		√ 11 3.6	-57 49
N19a √ 419a	√ 51	9.8	15.6	a	H	N	2	—	6.1		√ 11 3.8	-57 57
	√ 52	9.7	15.6	a	H	N	1	—	6.8		√ 11 4.1	-57 53
N22 √ 422	√ 53	9.7	15.7	a	α	N	2	—	5.8	H lines narrow	√ 11 4.2	-57 53
	√ 54	9.9	15.7	a	α	N	2	—	6.3		√ 11 4.4	-5~~7~~8 00
	√ 55	9.7	15.8	a	H	N	1	—	7.0		√ 11 4.7	-57 53
	√ 56	9.9	15.9	H	K	K=H	1	—	6.6 7.0		√ 11 4.9	-58 00

1875 Positions

Approx. pos.	✓	— ~~70~~	10	59.8	− 57	42		~~6.8~~ ~~−.2~~
Approx. pos.	✓	—	10	59.9	− 57	44.5		~~6.0~~ ~~+.3~~
Approx. pos.	✓	—	11	0.1	− 57	41		+3
Approx. pos.	✓	—	11	0.1	− 57	44.5		
Approx. pos.	✓	—	11	0.2	− 57	52.5		
Approx. pos.	✓	—	11	0.4	− 57	49		
Approx. pos.	✓	—	11	0.5	− 57	52		
Approx. pos.	✓	—	11	1.1	− 57	51		
Approx. pos.	✓	—	11	0.9	− 57	36		
Approx. pos.	✓	—	11	0.9	− 57	38.5		
Approx. pos.	✓	—	11	1.0	− 57	45		
Approx. pos.	✓	—	11	1.5	− 57	39		
Approx. pos.	✓	—	11	1.4	− 57	46		
	✓		11	1.4	− 57	54.6		
		152	~~11~~	~~1.6~~	~~− 57~~	~~47.8~~	8½	
Approx. pos.	✓	—	11	1.~~7~~6	− 57	47.8		
Approx. pos.	✓	—	11	1.7	− 57	47.3		
Approx. pos.	✓	—	11	1.8	− 57	43		
Approx. pos.	✓	—	11	1.9	− 57	51		
Approx. pos.	✓	—	11	2.2	− 57	~~38~~ 48		
Approx. pos.	✓	—	11	2.4	− 57	50		
Approx. pos.	✓	—	11	2.5	− 57	49		
Approx. pos.	✓	—	11	2.5	− 57	41		
Approx. pos.	✓	—	11	2.7	− 57	49		
	✓	178	11	3.0	− 57	45.1	9¾	
	✓	182	11	3.1	− 57	45.3	8¾	
Approx. pos.	✓	—	11	3.3	− 57	51.5		
Approx. pos.	✓	—	11	3.6	− 57	45		
	✓	189	11	3.8	− 57	51.6	8½	

March 17. 1896.

Plate B 15132

& He Cl Rem. Nr. K line Int.

1900 pos.

	57	9.9	15.9	H	K	K=H	1	—	6.6 7.0		11h	5.1m	−57°	59'
1 30	58	10.0	15.8	a	H	N	1	—	6.9		11	4.8	−58	2
March 18, 96	59	10.0	14.2	A	H	N	1	—	6.6		10	58.3	−58	2
12 35	60	10.0	14.2	A	H	N	1	—	6.9		10	58.4	−58	2
	61	10.0	14.3	A	H	N	1	—	6.9		10	58.8	−58	2
	62	10.0	14.4	A	H	N	2	—	6.5		10	59.0	−58	3
~~406~~	63	9.8	14.4	A	H	N	2	—	6.2		10	59.1	−57	56
	64	9.8	14.4	A	H	N	1	—	6.7		10	59.2	−57	57
	65	9.8	14.5	A	H	N	1	—	6.6		10	59.3	−57	56
406a 406a	66	9.9	14.4	A	H	N	2	—	6.0		10	59.3	−58	1
409 409	67	10.0	14.5	A	H	N	2	—	6.0	Spec. of two Cl. A stars superposed Combined light measured.	10 10	59.6 59.6	−58 −58	3 2
~~409~~	68	10.1	14.6	A	H	N	2	—	6.5	R. same as 67	11	0.0	−58	4
	69	10.0	14.8	A	H	N	1	—	6.9		11	0.5	−58	4
	70	10.0	14.8	A	H	A	1	—	6.8		11	0.8	−58	3
~~500~~	71	10.0	14.9	A	H	N	1	—	6.8		11	1.0	−58	3
414 *	72	10.0	14.9	A	α	N	3	—	5.8	6.0	11	1.2	−58	5
	73	10.0	15.0	A	H	N	1	—	6.6		11	1.5	−58	3
	74	10.1	15.0	A	H	N	2	—	6.2	Hyd. lines narrow A.G.C. 15194	11	1.6	−58	8 8½
413 413	75	10.1	15.1	A	H	N	3	—	5.7		11	1.7	−58	7
~~414~~	76	10.0	15.1	A	H	A	3	—	5.8		11	2.0	−58	6
	77	10.1	15.1	A	H	N	1	—	6.5	~~Superposed on 75~~	11	1.~~8~~7	−58	8
	78	10.1	15.1	A	H	N	2	—	6.0	A.G.C. 15202	11	1.9	−58	9 8¼
	79	10.1	15.1	A	H	N	2	—	6.3		11	2.0	−58	9
	80	10.1	15.2	A	α	A	2	—	6.4		11	2.2	−58	9
415 415	81	10.1	15.2	K	K	K=H	4	—	5.3 5.7	A.G.C. 15215	11	2.3	−58	7 6.9
~~417~~	82	10.2	15.3	A	B	N	3	—	5.7		11	2.6	−58	10
	83	10.1	15.3	A	H	A	2	—	6.5		11	2.8	−58	6
	84	10.1	15.3	A	H	N	1	—	6.5		11	2.8	−58	10

	A.G.C. Clus. No.	1875 positions					
✓	191	11	4.0	− 57	50.8	9	
✓	188	11	3.7	− 57	54.0	9¾	
Approx. pos. ✓	—	10	57.~~2~~3	− 57	54.1		
Approx. pos. ✓	—	10	57.4	− 57	54		
Approx. pos. ✓	—	10	57.8	− 57	54.2		
Approx. pos. ✓	—	10	58.0	− 57	55		
Approx. pos. ✓	—	10	58.1	− 57	~~58~~ 48		
Approx. pos. ✓	—	10	58.2	− 57	49		
Approx. pos. ✓	—	10	58.3	− 57	48.~~2~~5		
Approx. pos. ✓	—	10	58.3	− 57	53		
Approx. pos. ✓	—	10 10	58.6 58.6	− 57 − 57	55.~~3~~ 54.~~8~~		
Approx. pos. ✓	—	10	59.0	− 57	56.5		
Approx. pos. ✓	—	10	59.5	− 57	56		
Approx. pos. ✓	—	10	~~58.0~~ 59.8	− 57	55		
Approx. pos. ✓	—	~~10~~ 11	~~59.9~~ 0.0	− 57	55		star at about {11 1.0 − 58 4 (1900) / 11 ~~10~~ 0.0 ~~59.9~~ − 57 56 (1875) superposed − ?
✓	123	11	0.2	− 57	56.7	9½	
Approx. pos. ✓	—	11	0.4	− 57	55		
✓	129	11	0.5	− 58	0.2	8½	
✓	132	11	0.6	− 57	59.3	8½	star at about {11 1.7 − 58 6 (1900) / 11 0.6 − 57 58.3 (1875) superposed
Approx. pos. ✓	—	11	0.9	− 57	58		
Approx. pos. ✓	—	11	0.~~7~~6	− 58	0.2		133 {11 1.6 − 58 9 (1900) / 11 0.6 − 58 1 9½ (1875) superposed. ?
	136	11	0.8	− 58	0.8	8	& Another star superposed. {Either of these stars may be A.G.C. Cluster No. 136. The two stars are a few seconds apart in R.A. & ¼ of a minute in dec. only.
✓	139	11	0.9	− 58	1.3	9¼	
✓	144	11	1.1	− 58	1.2	9½	
✓	149	11	1.2	− ~~57~~ 58	60.0	7	
✓	155	11	1.5	− 58	1.8	9	153 {11 2.6 − 58 12 (1900) / 11 1.5 − 58 4.0 9¼ (1875) Superposed Both stars First type
Approx. pos. ✓	—	11	1.7	− 57	58		
✓ ✓	158	11	1.7	− 58	2.2	9¾	

Plate B 15132

& He Cl Rem. Kline Int

													1900 pos.				
													h	m	°	'	mag
416		85	10.1	15.4	A	H	N	2	–	5.8		A.G.C. 15228	11	2.9	-58	10	8
		86	10.1	15.4	A	H	N	1	–	6.5–			11	3.1	-58	10	
		87	10.1	15.5	A	α	N	1	–	6.4			11	3.4	-58	8	
		88	10.3	15.5	A	H	N	1	–	6.7		~~Superposed on 89~~	11	3.4	-58	15	
419		89	10.3	15.5	A	α	N	3	F	5.6			11	3.5	-58	13	
		90	10.1	15.6	A	H	N	1	–	6.5–			11	3.7	-58	6	
		91	10.3	15.6	A	H	N	1	–	6.6			11	3.9	-58	11	
		92	10.1	15.7	A	H	N	1	–	6.8			11	4.0	-58	8	
		93	10.2	15.7	A	H	N	1	–	6.7			11	4.1	-58	9	
		94	10.1	15.7	A	H	N	1	–	6.4			11	4.3	-58	8	
		95	10.2	15.8	A	H	N	1	–	6.5–			11	4.5	-58	10	
421	✱	96	10.2	15.9	A	j	N	3	F	5.5–	5.8	A.G.C. 15277	11	4.9	-58	11	mag 8
		97	9.9	16.0	A	H	N	1	–	6.8			11	5.4	-58	1	
~~423~~		98	10.1	16.0	A	H	N	2	–	6.5–			11.	5.4	-58	8	
424		99	10.2	16.0	A	H	N	2	–	5.9		A.G.C. 15295	11	5.5	-58	9	8½
		100	10.2	14.1	A	H	N	1	–	7.0			10	58.0	-58	10	
403		101	10.3	14.1	A	α	N	2	–	6.0		A.G.C. 15109	10	58.0	-58	15	mag 9
404		102	10.3	14.1	G G	K	K=H	2	–	5.9		A.G.C. 15115	10	58.2	-58	13	mag 8
409a		103	10.2	14.3	G	K	K=H	2	–	5.9		A.G.C. 15124	10	58.6	-58	10	mag 8¼
		104	10.3	14.4	A	H	N	1	–	6.8			10	59.1	-58	13	
408		105	10.3	14.4	A	α	N	2	–	5.9			10	59.2	-58	13	
		106	10.4	14.5	A	H	N	2	–	6.4			10	59.5	-58	15	
410		107	10.3	14.5	A	β	N	3	F	5.6		A.G.C. 15150	10	59.6	-58	14	9¼
409b		108	10.2	14.6	F	K	K=H	2	F	5.9		410.5 434.5 A.G.C. 15154	11	0.0	-58	11	8¼
~~409c~~		109	10.3	14.6	A	β	N	3	F	5.7		A.G.C. 15158	11	0.1	-58	14	7¾
409c ~~411~~		110	10.1	14.7	G G5K	K	K=H	3	–	5.8		A.G.C. 15165	11	0.3	-58	~~13~~ 9	8½
		111	10.1	14.7	A	H	N	2	–	6.6			11	0.4	-58	9	
411	✱	112	10.1	14.8	A	β	N	3	–	5.7	5.8	A.G.C. 15171	11	0.5	-58	10	8½

1875 Positions

	✓ 163	11	1.8	– 58	2.4	8¾	
	✓ 166	11	2.0	– 58	1.8	9¾	
Approx. pos.	✓ —	11	2.3	– 58	0		
	✓ 167	11	2.3	– 58	6.8	9¾	
	✓ 168	11	2.4	– 58	4.8	8¾	
	✓ 172	11	2.6	– 57	58.4	9¾	
	✓ 176	11	2.8	– 58	3.3	9¾	
Approx. pos.	✓ —	11	2.9	– 58	0		~~Star at about 11 3.0 – 58 1~~ ^{1875} superposed
		11	3.0	– 58.	1		
Approx. pos.	✓ —	~~11~~	~~3.1~~	~~– 58~~	~~0~~		
	✓ 183	11	3.2	– 58	0.2	9¼	
	✓ —	11	3.4	– 58	2		
	✓ 190	11	3.8	– 58	2.8	8½	
	✓ —	11	4.3	– 57	53		
	✓ 192	11	4.3	– 57	59.7	9½	
	✓ 194	11	4.4	– 58	1.5	9	
	✓ 73	10	57.0	– 58	2.0	10	
	✓ 72	10	57.0	– 58	7.1	9¼	
	✓ 76	10	57.2	– 58	5.2	7½	
	✓ 81	10	57.6	– 58	1.8	8½	
Approx pos.	✓ —	10	58.1	– 58	5		
Approx. pos.	✓ —	10	58.2	– 58	5		
	✓ 95	10	58.5	– 58	6.8	9¼	
	✓ 97	10	58.6	– 58	5.5	8½	
	✓ 100	10	59.0	– 58	3.3	8½	
	✓ 102	10	59.~~3~~1	– 58	5.7	8¾	
	✓ 103	10	59.3	– 58	1.2	8¼	
	✓ 105	10	59.4	– 58	0.7	9¼	
	✓ 107	10	59.5	– 58	1.7	9	

106 { 11 0.5 – 58 9 (1900)
10 59.5 – 58 1.3 9¾ ^{1875} superposed. Both stars First Type

Plate B 15132

& He Cl Rim. K line Int.

1900 pos.

													h m	° '	mag
		113.	10.3	14.7	A	α	N	3	-	5.7		A.G.C. ~~15166~~ 15167	11 0.3	-58 13	~~4.6~~ 7½
		114	10.1	14.8	A	H	N	3	F	5.8			11 0.7	-58 8	
		115	10.1	14.8	A	α	N	3	-	5.9			11 0.8	-58 10	
		116	10.2	14.8	A	α	N	3	-	5.7			11 0.6	-58 12	
		117	10.3	14.8	A	β	N	3	-	5.8			11 0.7	-58 15	
		118	10.3	14.9	A	α	N	2	-	6.5			11 0.9	-58 14	
		118a	10.3	14.8	G	H	N	2	-	5.8			11 1.0	-58 15	
		119	10.1	14.9	A	α	N	2	-	6.2			11 1.1	-58 8	
		120	10.2	14.9	A	H	N	2	-	6.0		A.G.C. 15191	11 1.3	-58 11	9¼
		121	10.3	14.9	A	H	N	2	-	6.0			11 1.3	-58 14	
		122	10.2	15.0	A	H	N	2	-	6.0		A.G.C. 15192	11 1.4	-58 11	9
		123	10.2	15.1	A	H	N	2	-	6.0		A.G.C. 15196	11 1.7	-58 11	8¾
		124	10.2	15.1	A	H	N	3	-	5.9		A.G.C. 15207	11 2.0	-58 12	8½
417		125	10.2	15.2	A	β	N	3	F	5.7			11 2.4	-58 12	
		126	10.3	15.2	A	H	N	2	-	6.6			11 2.3	-58 13	
		127	10.4	15.2	A	H	N	2	-	6.5			11 2.3	-58 16	
418 418	*	128	10.3	15.3	A	β	N	4	F	5.5	5.5	A.G.C. 15225	11 2.7	-58 15	7½
		129	10.4	15.~~4~~3	A	H	N	1	-	6.8			11 2.9	-58 17	
		130	10.4	15.4	A	H	N	1	-	6.7			11 3.0	-58 16	
		131	10.4	15.6	A	H	N	2	-	6.6			11 3.6	-58 17	
501	*	132	10.5	15.6	A	H	N	2	-	6.3	6.4	A.G.C. 15252	11 3.8	-58 18	9
		133	10.4	15.7	A	α	N	3	-	5.9		A.G.C. 15261	11 4.2	-58 17	8¾
420 420		134	10.5	15.7	A	α	K=H	3	-	5.7		A.G.C. 15263	11 4.2	-58 21	8
		135	10.4	15.8	A	H	N	1	-	6.9			11 4.5	-58 16	
		136	10.5	15.8	A	α	N	2	-	6.1			11 4.7	-58 17	
504 504		137	10.4	16.0	F G	K	K=H	3	-	5.4	5.1	~~4101~~ ~~434~~ A.G.C. 15293	11 5.4	-58 18	7½
		138	10.8	13.9	A	H	N	1	-	6.8			10 57.5	-58 30	
		139	11.0	1~~4~~3.9	A	H	N	1	-	6.9			10 57.6	-58 32	
1	55	140	10.8	14.2	A	H	N	1	-	6.7			10 58.4	-58 29	

!

1875 positions

	✓	104	10 59.3	− 58 4.9	8¼	With star at about {10 0.3 − 58 11 (1900) 10 59.3 − 58 3 (1875) Superposed. Both 1st type.
	✓	111	10 59.7	− 57 59.5	8¾	
Approx pos.	✓	—	10 59.8	− 58 2		114 {11 0.8 − 58 9 (1900) 10 59.8 − 58 0.7 9¼ (1875) Superposed.
	✓	110	10 59.~~4~~6	− 58 4.5	8½	
	✓	112	10 59.7	− 58 7.2	9	with star at about {11 0.8 − 58 16 (1900) 10 59.~~7~~8 − 58 8 (1875) Superposed.
	✓	119	10 59.9	− 58 6.3	9½	
	✓	—	11 0.0	− 58 6.6		122 {11 1.0 − 58 14 (1900) 11 0.0 − 58 5.8 9½ (1875) Superposed
Approx. pos.	✓	—	11 0.1	− 58 0		
	✓	125	11 0.3	− 58 3.4	9¼	
	✓	126	11 0.3	− 58 5.7	8¾	127 {11 1.3 − 58 13 (1900) 11 0.3 − 58 5.4 9¼ (1875) and 11 1.4 − 58 13 (1900) 11 0.4 − 58 5.0 (1875) Superposed.
	✓	128	11 0.4	− 58 3.4	9	
	✓	130	11 0.6	− 58 3.4	9¼	star at about {11 1.5 − 58 10 (1900) 11 0.5 − 58 1.5 (1875) superposed
	✓	140	11 0.9	− 58 3.8	9	
Approx. pos.	✓	—	11 1.3	− 58 4		
	✓	147	11 1.2	− 58 5.3	9¼	
	✓	148	11 1.2	− 58 7.8	9	
	✓	156	11 1.6	− 58 7.1	8	
Approx. pos.	✓		11 1.8	− 58 9.4		
		~~—~~	~~11 1.9~~	~~− 58 8.5~~		
Approx. pos.	✓	—	11 1.9	− 58 8.5		
	✓	171	11 2.5	− 58 9.2	9½	
	✓	174	11 2.7	− 58 10.4	9¼	
	✓	179	11 3.1	− 58 9.0	8¾	
	✓	181	11 3.1	− 58 12.7	8	
Approx. pos.	✓	—	11 3.4	− 58 8		Star at about {11 4.~~4~~5 − 58 15 (1900) 11 3.4 − 58 7 (1875) Superposed.
	✓	186	11 3.6	− 58 9.2	9	
	✓	193	11 4.3	− 58 9.6	7½	
Approx pos.	✓	—	10 56.5	− 58 22		
Approx. pos.	✓	—	10 56.6	− 58 ~~25~~ 24		
Approx. pos.	✓	—	10 57.4	− 58 21		

Mar. 26, 1896.

23h 50m

Plate B 15132

O-He Cl Rim: Dr. Kline Int

											1900 pos. h m	° ′	
	141	10.4	14.2	a	H	n	2	—	6.5		10 58.5	−58 17	
	142	10.6	14.2	a	H	n	2	—	6.6		10 58.5	−58 22	
N94 494	143	10.6	14.3	a	α	n	2	—	6.3		10 59.0	−58 21	
	144	10.4	14.3	a	H	n	1	—	6.8		10 59.0	−58 28	
N94a 494a 410,1,434,1	145	10.8	14.4	a F	α	n K=H	2	—	6.1	5.8	10 59.1	−58 30	
N93 493	146	11.0	14.3	a	β	n	3	F	5.6	A.G.C. 15130	10 58.9	−58 34	8½
	147	11.0	14.3	a	α	n	2	—	6.3		10 59.0	−58 36	
	148	10.5	14.5	a	H	n	2	—	6.4		10 59.7	−58 19	
	149	10.5	14.5	a	H	n	2	—	6.4		10 59.8	−58 20	
	150	10.4	14.6	a	H	n	1	—	6.5		10 59.9	−58 18	
	151	10.9	14.5	a	H	n	1	—	6.8		10 59.6	−58 30	
	152	10.6	14.6	a	H	n	1	—	6.6		11 0.2	−58 23	
	153	10.5	14.7	a	H	n	1	—	6.7		11 0.3	−58 19	
	154	11.0	14.7	a	H	n	1	—	6.9		11 0.5	−58 35	
	155	10.7	14.8	a	H	n	1	—	6.8		11 0.6	−58 26	
N95 495	156	10.8	14.8	a	β	n	3	F	5.5	A.G.C. 15174	11 0.7	−58 29	8¼
N95a 495a	157	10.8	14.8	a	α	n	2	F	6.2		11 0.~~8~~ 9	−58 29	
N95b 495b	158	10.9	14.9	a	α	n	2	F	6.2		11 1.0	−58 33	
	159	10.5	14.4	a	H	n	2	—	6.6		11 0.9	−58 19	
	159a	10.4	14.9	a	H	n	2	—	5.9		11 1.0	−58 18	
	160	10.6	14.9	a	H	n	1	—	6.7		11 1.2	−58 23	
~~496~~ {	161	10.4	15.0	a	α	n	2	—	6.3		11 1.4	−58 18	
	162	10.4	15.0	a	H	n	2	—	6.5		11 1.5	−58 18	
	163	10.7	15.0	a	H	n	1	—	6.9		11 1.4	−58 26	
~~N96 496~~	164	10.6	15.1	a	β	n	3	F	5.9		11 1.8	−58 21	
N97 497	165	10.4	15.1	a	α	n	3	F	5.7	A.G.C. 15208	11 2.0	−58 18	8½
	166a	11.2	15.1	a	β	n	3	F	5.6		11 1.8	−58 42	
	166b										11 1.6	−58 47	
	166	10.9	15.1	a	H	n	1	—	7.1		11 1.9	−58 30	
	~~166a~~	11.2	15.1	a	β	n	3	F	5.6				
	~~166b~~	11.4	15.0	a	α	n	2	F	6.1				
	167	10.8	15.2	a	α	n	1	—	6.7		11 2.2	−58 31	
superposed on 169	168	10.7	15.2	a	H	n	2	—	6.5		11 2.3	−58 23	

1875 positions

	✓	79	10	57.5	−	58	8.8	9
Approx. pos.	✓	—	10	57.5	−	58	14.5	
	✓	90	10	58.0	−	58	13.2	9¼
Approx. pos.	✓	—	10	58.0	−	58	20.0	
Approx. pos.	✓	—	10	58.1	−	58	22.	
	✓	85	10	57.9	−	58	26.3	8¼
	✓	89	10	58.0	−	58	27.5	9¼
	✓	99	10	58.7	−	58	11.2	9½
Approx. pos.	✓	—	10	58.8	−	58	12	
Approx. pos.	✓	—	10	58.9	−	58	10	
Approx. pos.	✓	—	10	58.6	−	58	~~22~~ 21.5	
Approx. pos.	✓	—	10	59.2	−	58	15	
Approx. pos.	✓	—	10	59.3	−	58	11	
Approx. pos.	✓	—	10	59.5	−	58	27	
Approx. pos.	✓	—	10	59.6	−	58	$18.\overset{2}{5}$	
~~Approx. pos.~~	✓	113	10	59.7	−	58	20.6	8¼
	✓	118	10	59.9	−	58	20.6	9
	✓	120	10	60.0	−	58	~~24.5~~ 25	9
Approx. pos.	✓	—	10	59.9	−	58	11.1	
Approx. pos.	✓	—	11	0.0	−	58	10.1	
Approx. pos.	✓	—	11	0.2	−	58	15	
Approx. pos.	✓	—	11	0.4	−	58	10	
Approx. pos.	✓	—	11	0.5	−	58	9.5	
Approx. pos.	✓	—	11	$\overset{0}{X}.4$	−	58	18	
	✓	138	11	0.8	−	58	13	8¾
	✓	142	11	0.9	−	58	10	8½
	✓	137	11	0.8	−	58	34	8
	✓✓	131	11	0.6	−	58	39	8¾
Approx pos.		—	11	0.9	−	58	22	
Approx pos.	✓	—	11	1.2	−	58	23	
	✓	151	11	1.3	−	58	14.7	9¾

star at about { 10 59.1 − 58 27 (1900)
10 58.1 − 58 19 1875 superposed

Mar. 26

Plate B 15132

		V	H	Cl	Rem	Kline	Int.			1900 pos.	
	169	10.5	15.2	a	H	n	2	- 6.5		11 ~~1~~2.4	-58° 19'
499a 499a	170	10.9	15.2	a	H	n	2	- 6.1		11 ~~1~~2.4	-58 32
502 500	171	10.6	15.4	a	β	n	3	F 5.8	A.G.C. 15231	11 3.0	-58 22 8¼
	172	10.7	15.4	a	H	n	1	- 6.8		11 3.~~2~~1	-58 26
	173	11.0	15.4	a	H	n	2	- 6.5		11 3.~~1~~2	-58 34
502 502	174	11.0	15.5	a	α	n	3	F 5.8		11 3.~~3~~4	-58 35
	175	10.5	15.5	a	H	n	1	- 6.9		11 3.6	-58 21
	176	10.7	15.5	a	H	n	2	- 6.6		11 3.6	-58 25
	177	10.9	15.6	a	H	n	1	- 7.0		11 3.7	-58 31
	178	10.8	15.6	a	α	n	2	- 6.3		11 3.9	-58 28
420a	179	10.6	15.6	a	β	n	2	F 6.2		11 4.0	-58 24
503 503	180	10.7	15.7	g	K	K=H	5	- 4.6	4.2 A.G.C. 15266	11 ~~3.3~~ 4.4	-58 26 4.6
	181	10.7	15.8	a	β	n	2	F 6.3	A.G.C. 15275	11 4.7	-58 25 8¾
	182	10.9	15.9	a	H	n	1	- 7.1		11 5.1	-58 32
	183	10.9	16.0	a	H	n	1	- 6.8		11 5.2	-58 32
	184	11.0	16.0	a	H	n	1	- 7.0		11 5.3	-58 34
	185	11.0	16.1	a	H	n	1	- 7.0		11 5.5	-58 35
0h 30m Mar. 27	186	10.8	16.0	a	H	n	1	- 7.2		11 5.5	-58 26
April 24, 1896	~~186~~ 187	11.2	14.4	a	α	n	2	- 6.3		10 57.3	-58 40
	~~187~~ 188	11.4	14.9	a	H	n	1	- 7.0		11 0.9	-58 46
	~~188~~ 189	11.2	14.6	a	H	n	1	- 7.3		11 0.1	-58 40
	190	11.3	15.0	a	H	n	1	- 6.8		11 1.6	-58 45
498	166a	11.2	15.1	a	γ	K=.2	3	- 5.5		11 1.8	-58 42
499	166b	11.4	15.0	a	β	n	2	- 6.2		11 1.6	-58 47
	191	11.4	15.2	a	α	n	1	- 6.7		11 2.3	-58 46
	192	11.2	15.5	a	H	n	1	- 6.6		11 3.3	-58 40
	193	11.2	15.6	a	H	n	1	- 6.8		11 3.~~8~~7	-58 42

1875 positions

Approx. pos.	✓ —	11	1.4	−58	11		
Approx pos.	✓ ~~165~~	11	1.4	− 58	28 4		
	✓ 165	11	1.9	− 58	13.9	8¼	
Approx pos.	✓ —	11	2.0	− 58	18		
Approx. pos.	✓ —	11	2.1	− 58	25.5		
Approx. pos.	✓ —	11	2.3	− 58	27		
Approx. pos.	✓ —	11	2.5	− 58	13		Two stars at about {11 3.6 − 58 20 (1900) / 11 2.5 − 58 12 (1875)} or {11 3.6 − 58 19 (1900) / 11 2.5 − 58 11 (1875)} superposed.
Approx. pos.	✓ —	11	2.5	− 58	17		
Approx. pos.	✓ —	11	2.6	− 58	23		
	✓ 175	11	2.8	− 58	19.6	9½	
	✓ 177	11	2.9	− 58	15.9	9	
	✓ 184	11	3.3	− 58	17.9	4.6	
	✓ 187	11	3.6	− 58	16.9	9	
Approx. pos.	✓ —	11	4.0	− 58	24		
Approx. pos.	✓ —	11	4.8	− 58	24		
Approx pos.	✓ —	11	4.2	− 58	26		
Approx. pos.	✓ —	11	4.4	− 58	27		
Approx. pos.	✓ —	11	4.4	− 58	18.5		
Approx pos.	✓ —	10	58.3	− 58	32		
Approx. pos.	✓ —	10	59.9	− 58	38		
Approx. pos.	✓ —	10	59.1	− 58	32		star at about {11 0.1 − 58 42 (1900) / 10 59.1 − 58 32.5 (1875)} superposed.
Approx pos.	✓ —	11	0.6	− 58	37		
~~Approx pos.~~	✓ 137	11	0.8	− 58	34.0	8	
	✓ 131	11	0.6	− 58	39.3	8¾	
Approx. pos.	✓ —	11	1.3	− 58	38		Star at about {11 2.2 − 58 49 (1900) / 11 1.2 − 58 41 (1875)} superposed.
Approx pos.	✓ —	11	2.3	− 58	32.5		
Approx. pos.	✓ —	11	2.6	− 58	33.5		

Plate B 15132

V H Cl. Rem no. K line Int

✓194 11.4 15.7 a H n 1 - 6.9
✓195 11.4 15.8 a α n 1 - 6.4
✓196 11.3 15.8 a H n 1 - 6.6
✓197 11.1 16.0 a H n 2 - 6.0
✓198 11.3 16.0 a H n 2 - 6.4

1900 positions

✓ 11 4.2 -58 46
✓ 11 4.7 -58 46
✓ 11 4.9 -58 43
✓ 11 5.3 -58 38
✓ 11 5.2 -58 44

1875 positions

Approx pos. ✓— 11 3.1 -58 37.5

Approx. pos. ✓— 11 3.6 -58 38 star at about {11 4.6 -58 47 (1900)
{11 3.6 -58 39 (1875) superposed

Approx. pos. ✓— 11 3.8 -58 35.0

Approx. pos. ✓— 11 4.2 ~~3.9~~ -58 30.5

Approx. pos. ✓— 11 4.1 ~~4.0~~ ~~3.9~~ -58 35.5

Plate B 15132 Second Measures.

	V	H	Cl	Rem^m	Kling			Int.
2	9.1	14.0	a	~~H~~ α	n	1	-	6.7
4	9.1	14.3	a	H	n	1	-	7.0
5	9.1	14.4	a	H	n	1	-	7.1
6	9.0	14.5	a	H	n	1	-	6.9
7	9.2	14.5	H	H	n	1	-	6.5 6.8
10	9.3	15.4	a	H	n	2	-	6.4
11	9.3	15.4	a	H	n	1	-	7.0
12	9.3	15.5	a	H	n	1	-	6.7
13a	8.9	15.8	a	α	n	2	-	6.5
14	9.1	15.6	a	H	n	1	-	7.1
15	9.5	14.0	a	H	n	1	-	6.7
16	9.5	14.2	a	H	n	2	-	6.5
20	9.4	14.4	a	H	n	2	-	6.6
21	9.4	14.5	a	H	n	2	-	6.3
23	9.7	14.6	a	H	n	2	-	6.3
24	9.3	14.6	a	H	n	2	-	6.5
26	9.8	14.7	a	H	n	1	-	6.6
27	9.7	14.8	a	H	n	1	-	6.6
29	9.5	14.8	a	H	n	1	-	6.7
31	9.4	14.9	a	H	n	1	-	6.7
32	9.6	14.9	a	H	n	1	-	7.0
33	9.9	14.9	a	H	n	2	-	6.2
34	9.8	15.0	a	H	n	1	-	6.8
37	9.3	15.1	a	H	n	1	-	7.2
38	9.4	15.1	a	H	n	2	-	6.6
39	9.6	15.1	a	H	n	1	-	6.7
40	9.4	15.4	a	H	n	1	-	6.9
41	9.7	15.3	a	H	n	1	-	7.2

3rd meas.
6.6

Plate B 15132 Second Measures.

	&	H	Cl.	Rim.	K line	Int.	F.	Br.	
42	10.0	15.3	H	K	K=H	2	—	6.5 7.0	
43	9.7	15.3	a	H	n	1	–	6.8	
46	9.8	15.4	a	H	n	2	–	6.2	
47	9.7	15.5	a	H	n	2	–	6.3	
49	9.7	15.5	a	H	n	2	–	6.2	
50	9.5	15.5	a	H	n	1	–	6.8	
52	9.6	15.7	a	H	n	1	–	6.8	
54	9.8	15.7	a	H	n	2	–	6.5	
55	9.6	15.8	a	H	n	1	–	6.9	
56	9.8	15.9	H	~~H~~ K	~~n~~ K=H	1	–	6.6 7.0	
57	9.8	16.0	H	K	K=H	1	–	6.6 7.0	
58	10.0	15.9	a	H	n	1	–	6.9	
59	9.9	14.2	a	H	n	2	–	6.4	
60	9.9	14.2	a	H	n	1	–	6.9	
61	10.0	14.3	a	H	n	1	–	6.8	
62	10.0	16.3	a	α	n	2	–	6.4	
63	9.7	14.4	a	α	n	2	–	6.1	
64	9.8	14.4	a	H	n	1	–	6.7	
65	9.7	14.4	a	H	n	1	–	6.6	
68	10.0	14.6	a	H	n	2	–	6.4	
69	10.0	14.7	a	H	n	1	–	6.8	
70	9.9	14.8	a	H	n	1	–	6.7	
71	10.0	14.9	a	H	n	1	–	6.8	
73	10.0	15.0	a	H	n	2	–	6.5	
74	10.1	15.0	a	H	n	2	–	~~5.8~~ 6.0	Hyd. lines narrow.
76	10.0	15.1	a	H	n	2	–	6.0	
77	10.1	15.0	a	H	n	2	–	6.1	
78	10.1	15.1	a	H	n	2	–	6.0	

Plate B 15132

& 14 Col Rein^{w}. Kleine Int.

✓	79	10.1	15.1	a	H	n	2	- 6.2
✓	80	10.1	15.2	a	H	n	2	- 6.3
✓	82	10.1	15.3	a	α	n	2	- 5.9
✓	83	10.1	15.3	a	H	n	1	- 6.7
✓	84	10.2	15.3	a	H	n	1	- $6.\overset{7}{9}$
✓	86	10.1	15.4	a	H	n	2	- 6.4
✓	87	10.1	15.5	a	H	n	2	- 6.5
✓	88	10.3	15.5	a	H	n	1	- 6.8
✓	90	10.1	15.5	a	H	n	1	- 6.5
✓	91	10.2	15.6	a	H	n	1	- 6.7
✓	92	10.1	15.6	a	H	n	1	- 6.8
✓	93	$10.\overset{2}{\cancel{1}}$	15.7	a	H	n	1	- 6.8
✓	94	10.1	15.7	a	H	n	2	- 6.5
✓	97	9.9	16.0	a	H	n	1	- 6.7
✓	98	10.1	16.0	a	H	n	1	- 6.5
✓	100	10.1	14.1	a	H	n	1	- 7.0
✓	104	10.3	14.4	a	H	n	1	- 6.7
✓	106	10.3	14.5	a	H	n	2	- 6.3
✓	109	10.4	14.6	a	β	n	2	- 5.7
✓	111	10.1	14.7	a	H	n	1	- 6.5
✓	113	10.3	14.7	a	H	n	2	- 5.8
✓	114	10.1	14.8	a	α	n	2	- 5.7
✓	115	10.1	14.8	a	H	n	2	- 6.0
✓	116	10.2	14.8	a	H	n	2	- 5.7
✓	117	10.3	14.8	a	H	n	2	- 5.7
✓	118	10.3	14.8	a	H	n	2	- 6.5
✓	118^{a}	10.3	14.9	a	α	n	2	- 5.7

Plate 15132

O He Cel Prim Wr. Klini Int.

119	10.1	14.9	ȧ	H	n	2	-6.1
120	10.2	14.9	ȧ	H	n	2	-6.1
121	10.3	14.9	ȧ	H	n	2	-6.2
122	10.3	15.0	ȧ	H	n	2	-6.2
123	10.2	15.0	ȧ	H	n	2	-6.0
124	10.2	15.1	ȧ	H	n	2	-6.0
126	10.3	15.2	ȧ	H	n	2	-6.3
127	10.3	15.2	ȧ	H	n	2	-6.3
129	10.4	15.3	ȧ	H	n	1	-6.7
130	10.4	15.4	ȧ	H	n	1	-6.5
131	10.4	15.6	ȧ	H	n	2	-6.4
133	10.4	15.~~6~~7	ȧ	~~H~~ a	n	2	-6.~~2~~0
135	10.3	15.8	ȧ	H	n	1	-6.8
136	10.4	15.8	ȧ	H	n	2	-6.1
138	10.8	13.8	ȧ	H	n	1	-6.9
139	11.0	13.9	ȧ	H	n	1	-6.9
140	10.8	14.2	ȧ	H	n	1	-6.8
141	10.4	14.2	ȧ	H·	n	2	-6.2
142	10.6	14.2	ȧ	H	n	2	-6.4
144	10.8	14.3	ȧ	H	n	1	-6.6
147	11.0	14.3	ȧ	H	n	2	-6.2
148	10.5	14.5	ȧ	H	n	2	-6.1
149	10.5	14.5	ȧ	H	n	2	-6.2
150	10.4	14.5	ȧ	H	n	2	-6.4
151	10.9	14.5	ȧ	H	n	2	-6.5
152	10.6	14.7	ȧ	H	n	2	-6.4
153	10.5	14.7	ȧ	H	n	2	-6.5

161	10.5	15.0	a	β	n	2	6.3
162	10.5	15.0	a	β	n	2	6.4

Plate 15132

v HcCl Remnt. Klein Int.

154	11.0	14.7	a	H	η	1 -	7.2
155	10.7	14.8	a	H	η	1 -	7.0
159	10.5	14.8	a	H	η	1 -	6.5
159a	10.4	14.9	a	H	N	2 -	5.9
160	10.6	14.9	a	H	η	1 -	6.6
~~161~~ 163	10.7	15.0	a	H	N	1	6.8
164	10.5	15.1	a	~~H~~ B	N	3 I	5.7
-165	10.4	15.1	a	B	N	3 I	5.6
166	10.8	15.1	a	H	N	1 -	6.9
166a	11.2	15.1	a	α	N	3 -	5.6
166b	11.4	15.0	a	α	N	2 -	6.1
167	10.9	15.2	a	H	N	1 -	6.7
168	10.6	15.2	a	H	N	1 -	6.4
169	10.5	15.2	a	H	N	1 -	6.3
172	$10.\overset{7}{9}$	$15.\overset{4}{2}$	a	H	N	1 -	7.0
173	10.9	15.4	a	H	N	2 -	6.4
175	10.5	15.5	a	H	N	1 -	6.7
176	10.6	15.5	a	H	N	2 -	6.5
177	10.9	15.6	a	H	N	1 -	6.9
178	10.8	15.6	a	H	N	1 -	6.4
181	10.7	15.8	a	α	N	1 -	6.4
182	10.9	15.9	a	H	N	1 -	7.0
183	10.9	16.0	a	H	N	1 -	6.9
184	11.0	16.0	a	H	N	1 -	7.0
185	11.0	16.0	a	H	N	1 -	7.0
186	10.7	16.0	a	H	N	1 -	7.1
187	11.1	14.4	a	H	N	2 -	6.3
188	11.3	14.9	a	H	N	1 -	7.0
189	11.2	14.6	a	H	N	1 -	7.1
190	11.3	15.0	a	H	N	1 -	6.6

Plate	V	He	Cl	Rein nr.	Kline		Int.
191	11.4	15.2	ä	H	N	1 -	6.6
192	11.2	15.5	ä	H	N	1 -	6.5
193	11.2	15.6	ä	H	N	1 -	6.8
194	11.3	15.7	ä	H	N	1 -	6.7
195	11.4	15.8	ä	α	N	1 -	6.4
196	11.3	15.8	ä	H	N	1 -	6.6
197	11.2	16.0	ä	H	N	2 -	6.1
198	11.3	16.0	ä	H	N	2 -	6.4

D

~~x.x~~ June 15, 1900

Plate B 22566

June 18.
9 30 PM

	V	H	Cl	Rem no.	Kl	Lim	Int	Br.	Photom. Magn.
8 00 PM	✓5.0	6.4	F	4590	H	~~K=H~~ K=H	3	2.38	7.39
	✓5.0	8.5	K 3			K=H	3	2.28	6.92
	✓5.8	10.2	F	4591	H	K=H	1	3.51	
	✓4.3	11.2	A		X	N	4	0.52	5.90
	✓5.1	11.4	A		ε	N	2	3.33	
	✓5.8	12.0	F	4592	K	K=H	1	3.40	
	✓5.0	14.4	A		ε	K=5	2	3.24	
	✓5.2	14.7	K		K	K=H	1	3.54	
	✓5.3	15.4	K		K	K=H	2	3.22	
	✓4.4	15.8	K		K	K=H	2	3.43	
	✓5.3	16.1	A		E	N	2	3.53	
	✓5.6	16.2	A		ζ	N	1	3.67	
	✓4.9	18.4	A		H	N	1	3.76	
	✓5.4	18.4	F	4593	X	K=H	4	1.80	6.44
	✓4.6	20.2	A		K	N	3	1.24	6.54
	✓5.8	22.2	A		η	N	3	2.60	7.61
	✓7.7	8.6	A		H	N	1	3.90	
	✓6.5	17.7	K		K	K=H	1		
	✓7.9	8.8	A		ν	N	3	2.06	7.16
	✓6.8	21.6	A		ε	N	1	3.85	
	✓7.7	8.9	A		ν	K=2	4	0.91	5.65
	✓7.5	8.2	H		H	K=H	1	3.61	
	✓7.7	9.5	F	4594	K	K=H	2	3.37	
	✓7.2	9.8	K		K	K=H	1	3.81	
	✓7.1	11.5	A		α	N	2	3.70	
	✓7.5	11.5	K		K	K=H	2	3.12	7.87
	✓6.8	15.9	A		ξ	N	2	3.08	
	✓6.8	11.9	A		H	N	1	4.03	
	✓6.8	15.6	A		2)	K=2/10	3	0.90	6.13
	✓7.5	12.0	K		K	K=H	2	3.21	7.78
	✓7.1	12.1	A		E	N	2	3.41	
	✓7.9	12.8	F	4595	K	K=H	2	3.46	

1875

h m ° '	Design.	R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
13 23 -83 15	-83 533	✓13 23 47	-83 16.1	7.3 ✓	13 26.8	-83 24	54
13 52 -83 56	-83 547	✓13 53 4	-83 56.8	7.6 ✓	13 56.9	-84 4	54
14 11 -84 45	-84 466	✓14 12 53	-84 44.1	8.6 ✓			
14 45 -84 16	-84 490	✓14 44 18	-84 17.4	5.8 ✓	14 49.4	-84 23	50
14 43 -84 41	-84 489	✓14 43 50	-84 40.0	8.3 ✓			
14 49 -85 12	-85 429	✓14 48 18	-85 11.7	8.8 ✓			
15 49 -85 3	-85 446	✓15 47 11	-85 3.5	8.2 ✓			
15 54 -85 11	-85 450	✓15 53 46	-85 11.6	8.9 ✓			
16 10 -85 16	-85 452	✓16 10 42	-85 15.5	8.5 ✓			
16 20 -84 45	-84 528	✓16 19 29	-84 45.5	8.7 ✓			
16 25 -85 3	-85 454	✓16 26 10	-85 3.8	8.7 ✓			
16 30 -85 25	-85 456	✓16 29 23	-85 24.1	8.6 ✓			
17 20 -84 51	-84 559	✓17 18 8	-84 51.0	9.0 ✓			
17 22 -85 10	-85 469	✓17 22 12	-85 9.3	7.3 ✓	17 30.0	-85 11	50
17 53 -84 26	-84 573	✓17 53 17	-84 25.1	6.3 ✓	18 0.3	-84 25	54
18 30 -84 7	-84 587	✓18 29 49	-84 4.7	7.3 ✓	18 36.4	-84 4	54
13 18 -85 0	-85 380	13 17 51	-85 0.6	8.8 ✓			
17 12 -85 45	-85 463	✓17 11 22	-85 45.0	9.0 ✓			
13 15 -85 10	-85 379	✓13 16 12	-85 10.6	7.0 ✓	13 19.7	-85 19	54
18 42 -84 59	-84 593	✓18 41 37	-84 58.6	8.6 ✓			
13 20 -85 9	-85 384	✓13 21 6	-85 8.6	6.2 ✓	13 24.7	-85 16	50
13 32 -85 10	-85 390	✓13 31 53	-85 9.6	8.6 ✓			
13 33 -85 20	-85 391	13 32 4	-85 19.9	8.5 ✓			
13 45 -85 15	-85 399	13 46 42	-85 13.8	9.0 ✓			
14 23 -85 38	-85 411	✓14 23 35	-85 37.4	8.8 ✓			
14 19 -85 52	-85 410	✓14 18 56	-85 51.0	8.8 ✓	14 24.7	-85 58	54
16 25 -86 0	-85 453	✓16 24 57	-85 59.0	8.2 ✓			
14 38 -85 33	-85 421	14 37 25	-85 33.3	9.1 ✓			
16 15 -86 8	-86 333	✓16 14 49	-86 7.2	5.9 ✓	16 23.6	-86 11	50
14 30 -85 58	-85 415	✓14 30 19	-85 57.2	8.6 ✓	14 36.6	-86 4	54
14 38 -85 46	-85 422	✓14 37 33	-85 47.6	8.7 ✓			
14 46 -86 19	-86 317	✓14 47 9	-86 18.9	8.8 ✓			
16 55 -86	-86 343	16 55 46	-86 0.6	9.0 ✓			

June 15, 1903

Plate B22566

	V	Ho	Cl	Rem. Nr.	Kline	Int.	Br.	Photom. Magn.
√	7.4	18.6	H		H N	1	3.70	
√	7.0	19.2	F	4596	K K=H	2	3.17	
√	7.0	22.1	G		K K=H	2	3.07	7.93
x	8.0	18.9	F	4597	K K=H	2	3.02	8.14
√	~~7.0~~ 7.3	19.9	K		H N	1	3.71	8.30
√	7.6	21.9	F	4598	K K=H	2	3.41	
√	7.3	22.5	~~G~~ F	4599	K K=H	2	3.39	
√	8.1	6.6	K		K K=H	3	1.69	5.38
√	8.1	7.8	a		η N	2	3.08	
√	~~8~~9.0	10.0	H		H N	1	3.78	
√	8.7	12.5	F	4600	K K=H	2	3.18	
√	8.5	1~~2~~3.5	K		K K=~~H~~	1	3.74	
√	8.7	13.6	F2 G	4601	K K=H	2	2.87	
√	8.8	15.4	F2 G	4602	K K=H	2	2.99	
√	8.8	15.7	a		H N	1	3.81	
/	8.2	16.4	F2 G	4603	K K=H	3	2.70	
[illegible] √	~~8~~9.0	16.5	H		H N	1	3.37	8.12
√	8.5	18.0	F	4604	K K=H	2	3.40	
Same star √ x	8.0	18.9	F	4605	K K=H	2	2.94	
√	8.2	19.7	a		ξ N	2	3.10	
√	9.5	6.8	F	4606	K K=H	2	3.32	
√	9.5	7.7	a		H N	1	3.93	
√	9.2	10.1	K		K K=H	2	3.04	7.98
√	9.9	11.1	K		H N	1	3.69	
√	9.6	11.2	K		K K=H	1	3.78	
√	9.2	12.7	a		H N	1	3.91	
√	9.5	12.9	F	4607	K K=H	1	3.88	
√	9.6	13.2	K		K K=H	3	2.90	
10 00 P.M.	9.4	13.4	F	4608	K K=H	2	3.27	

1875	Design.	R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
h m ° '		✓ h m s					
17 41 -86 0	-86 352	17 41 59	-86 2.2	9.0 ✓			
17 53 -85 45	-85 478	✓ 17 54 56	-85 45.5	8.4 ✓			
18 53 -84 55	-84 599	✓ 18 53 8	-84 55.8	8.5 ✓	19 0.5	$-8\overset{4}{5}$ 54	54
18 0 -86 16	-86 361	✓ 18 0 32	-86 16.0	8.5	18 10.3	-86 16	54
18 17 -85 40	-85 484	✓ 18 15 22	-85 40.5	9.3 ✓	18 24.0	-85 40	54
19 0 -85 15	-85 495	✓ 19 1 16	-85 14.6	8.4 ✓			
19 5 -84 55	-84 605	19 5 22	-84 56.0	8.4 ✓			
12 42 -84 28	-84 407	✓ 12 42 5	-84 26.6	6.7 ✓	12 44.4	-84 35	50
12 58 -84 50	-84 433	✓ 12 59 40	-84 53.7	7.9 ✓			
13 19 -86 0	-86 302	13 18 3	-86 0.5	9.0 ✓			
14 25 -86 40	-86 314	✓ 14 25 24	-86 39.1	8.5 ✓			
14 59 -86 45	-86 321	14 59 53	-86 44.7	9.1 ✓			
15 0 -86 50	-86 322	15 0 34	-86 49.6	8.5 ✓			
16 8 -86 3	-86 258	✓ 16 7 54.9	-86 3.063	8.5 ✓			
16 20 -86 2	-86 262	16 20 22.7	-87 1.926	8.8 ✓			
16 43 -86 45	-86 338	✓ 16 44 1.4	-86 44.270	8.2 ✓			
16 54 -87 8	-87 266	✓ 16 53 24.0	$-8\overset{7}{6}$ 7.873	9.2 ✓	17 5.4	-87 11	54
17 40 -86 40	-86 351	✓ 17 40 16	-86 41.0	8.6 ✓			
18 0 -86 18	-86 357	✓ 18 0 32	-86 16.0	8.5 ✓	See note on opposite page		
18 22 -86 10	-86 361	✓ 18 21 58	-86 9.1	8.3 ✓			
12 19 -84 52	-84 394	✓ 12 19 18	-84 53.3	8.2 ✓			
12 31 -85 18	-85 350	12 31 6	-85 16.5	9.0 ✓			
13 18 -86 5	-86 300	✓ 13 17 19	-86 4.9	8.5 ✓	13 21.4	-86 13	54
13 22 -86 43	-86 303	✓ 13 21 49	-86 42.4	9.4 ✓			
13 32 -86 38	-86 307	✓ 13 32 37	-86 38.1	9.2 ✓			
14 25 -86 53	-86 315	14 26 13	-86 53.8	9.3 ✓			
14 27 -87 5	-87 234	14 27 47	-87 3.0	8.8 ✓			
14 32 -87 12	-87 236	✓ 14 33 43	-87 12.8	8.4 ✓			
14 45 -87 10	-87 237	✓ 14 44 26	-87 9.4	8.4 ✓			

June 18, 1903.

Plate B 22566.

8 00 P.M.

9 30 PM

	V	H	Cl.	Rem.	w. K line	Int.	Br.	Photom. Magn.
✓	9.7	13.6	G K		K=H	1	3.51	
✓	9.2	~~13~~14.3	H		H n	1	4.03	
✓	9.6	14.5	A		ξ n	1	3.58	
✓	9.2	~~16~~14.9	F	4609	F K=H	1	~~4~~3.82	
✓	9.3	15.5	G5K		~~K~~ K=H	3	2.25	6.46 6.63
✓	9.3	16.5	K		K K=H	2	3.06	7.72
×	9.0	16.5	K		K K=H	1	3.49	
✓	9.4	24.6	A		ε n	2	2.52	
✓	10.4	6.4	K		K K=H	3	2.11	5.89
✓	10.4	6.7	A		ξ n	2	3.09	8.18
✓	10.1	7.7	G5K		K K=H	3	2.30	6.19
✓	10.4	10.2	F5G	4610	K K=H	1	3.04	
✓	10.7	10.5	H		ε n	1	3.68	
✓	10.7	10.8	G2K		K K=1.5H	3	2.20	7.10
✓	10.3	11.1	H		K K=H	1	3.42	
✓	10.1	11.6	H		K K=H	1	3.62	8.66
✓	11.0	13.2	K		ε n	1	3.80	
✓	10.4	13.5	A3F	4611	β K3H	3	1.93	6.52
✓	10.1	14.2	A		ξ n	1	3.48	
✓	10.2	17.3	K		K K5H	4	1.77	5.22
✓	10.9	21.1	A2F		β K5H	2	3.00	
✓	10.3	21.2	F5G		K K=H	2	3.04	
✓	11.2	5.7	F	4612	K K=H	2	2.82	7.47
✓	11.3	8.5	H		ε n	1	3.79	
✓	11.8	11.3	F	4613	K K=H	1	3.75	
✓	11.8	11.8	F	4614	K K=H	1	3.84	
✓	11.7	12.4	A		ξ n	1	3.46	
✓	11.9	13.0	A		ξ n	1	3.50	

Same star.

1875 h m ° '	Design.	1875 R.A. h m s	1875 Dec. ° '	Magn.	R.A. 1900	Dec. 1900	Vol.
14 49 -87 20	-87 238	14 49 9.3	-87° 19.102	8.8 ✓			
15 22 -87 10	-87° 246	15 21 42.9	-87 10.900	9.9			
15 28 -87 24	-87 247	✓ 15 27 22.7	-87 24.184	8.7 ✓			
15 50 -87 15	-87 250	✓ 15 49 24	-87 13.482	8.8 ✓			
16 10 -87 20	-87 259	16 10 46.7	-87 19.885	7.8 ✓	16 23.0	-87 24	50
					〃 〃	〃 〃	54
16 53 -87 17	-87 267	✓ 16 53 28.6	-87 15.561	8.8 ✓	17 6.1	-87 18	54
Cln p. 168					See page 168		
20 12 -84 50	-84 619	✓ 20 12 27	-84 49.6	7.1 ✓			
11 57 -84 57	~~-84 371~~	✓ 11 56 8	-84 56.2	8.4 (?) ✓	11 57.3	-85 4	50
	-84 372	11 56 17	-84 56.5	9.1	Is this magn. right? double ?		
					Superposition may cause brightness in Spectrum.		
11 59 -85 5	-85 327	✓ 11 59 50	-85 5.0	7.9 ✓	12 1.2	-85 13	54
12 15 -85 27	-85 343	✓ 12 15 50	-85 27.4	7.8 ✓	12 17.6	-85 35	50
12 49 -86 32	-86 278	✓ 12 48 58	-86 32.9	8.7 ✓			
12 48 -86 45	-86 277	12 47 48	-86 46.0	9.2 ✓			
12 54 -86 53	-86 283	✓ 12 53 40	-86 53.2	7.8 ✓	12 57.5	-87 1	54
13 10 -86 53	-86 299	✓ 13 11 21	-86 52.5	9.2 ✓			
13 30 -87 0	-86 306	13 29 30	-86 59.5	8.8 ✓	13 35.0	-87 7	54
14 2 -87 50	-87 229	14 2 0.3	-87 49.290	9.2 ✓			
14 30 -87 37	-87 235	✓ 14 29 11.0	-87 37.950	7.2 ✓	14 39.0	-87 45	50
15 8 -87 37	-87 241	15 7 42.3	-87 36.568	8.5 ✓			
17 40 -87 38	-87 274	✓ 17 41 13.5	-87 39.411	7.2 ✓	17 56.1	-87 40	50
20 0 -86 40	-86 386	✓ 20 0 28	-86 41.8	8.3 ✓			
19 55 -86 38	-86 383	19 54 45	-86 38.0	8.9 8 superposed			
19 43 -86 29	-86 379	✓ 19 43 3	-86 28.0	8.3 ✓			
11 33 -84 48	-84 346	✓ 11 34 34	-84 47.7	7.6 ✓	11 35.2	-84 56	54
12 0 -86 5	-86 244	12 59 59	-86 3.8	9.3 ✓			
12 30 -87 27	-87 207	12 31 20.3	-87 26.082	9.0 ✓			
12 41 -87 38	-87 212	12 42 46.5	-87 38.926	9.0 ✓			
13 3 -87 50	-87 222	✓ 13 4 13.0	-87 49.798	8.6 ✓			
13 21 -88 8	-88 125	13 21 43.3	-88 7.499	8.9 ✓			

June 18, 1903

Plate 22566

		V	H	Cl.	Rem. no.	Kline	Int.	Br.	Photom. Magn.
	✓	11.5	13.2	F	4615	K K=H	1	4.62	
	✓	11.4	13.8	K		K K=H	2	3.20	
	✓	11.7	14.7	A		E N	1	4.03	
	✓	11.9	15.2	F	4616	K K=H	1	3.95	
	✓ x	12.0	15.8	F	4617	K K=H	1	3.72	
	✓	11.8	16.0	A		E N	1	3.95	
	✓	11.7	18.0	F	4618	K K=H	2	3.50	
	✓	11.9	18.5	A		E N	2	3.58	
	✓	11.6	18.8	F	4619	K K=H	2	3.22	
	✓	11.7	20.4	A		Q N	3	2.57	
	✓	11.8	22.8	H		E N	2	3.39	
	✓	11.8	23.0	F	4620	K K=H	2	3.41	
	✓	11.6	23.5	A		η N	2	3.18	
	✓	11.4	23.6	G5K		K K=H	3	2.93	6.97
	✓	12.5	6.0	A		Q N	3	2.45	7.15
	✓	12.5	6.9	K5M		K K=H	2	2.86	6.65 ~~2.76~~
	✓	12.3	9.1	F	4621	K K=H	1	3.70	
	✓	12.6	11.6	A		γ N	3	1.56	
	✓	12.6	14.2	F	4622	η K=H	2	2.74	8.11
	✓	12.5	15.3	G		K K=H	2	3.16	8.29
	✓	12.2	15.6	G5K		K K=H	2	3.18	
Same star	x	12.0	15.8	~~A~~ F		E K=H	1	3.75	
	✓	12.6	16.2	K		K K=H	2	3.60	
	✓	12.4	17.7	A		ξ N	2	3.41	
	✓	12.8	19.9	K		K K=H	1	3.63	
	✓	12.5	20.1	F8G		K K=H	2	3.30	
	✓	12.9	22.6	F	4623	K K=H	2	2.98	7.82
	✓	12.8	24.2	K		K K=H	3	2.98	6.71

1875	Design.	R.A. 1875	Dec. 1875	Magn.	R.A. 1900	Dec. 1900	Vol.	
h m °		h m s	°					
13 50 − 87 59	−87 227	13 52 18.2	−87 59.946	9.0 ✓				
14 22 − 88 10	−88 130	14 22 17.2	−88 9.464	8.8 ✓				
15 5 − 88 28	−88 137	15 5 40.0	−88 27.798	9.3 ✓				
15 39 − 88 37	−88 141	15 38 54.0	−88 37.525	9.2 ✓				
16 33 − 88 40	−88 150	16 33 4.9	−88 42.739	9.3 ✓				
16 45 − 88 35	−88 153	16 45 48.0	−88 35.937	9.2 ✓				
18 55 − 88 5	−88 169	18 55 6.8	−88 6.040	8.5 ✓				
19 17 − 87 57	−87 293	19 17 55.3	−87 59.697	8.7 ✓				
19 22 − 87 47	−87 295	19 22 0.1	−87 48.445	8.4				Does 296 superpose.
20 10 − 87 11	−87 298	20 9 5	−87 12.8	7.4 ✓				
20 50 − 86 9	−86 381	20 50 4	−86 8.8	8.7 ✓				
20 50 − 86 3	−86 380	20 49 58	−86 2.9	8.3 ✓				
20 52 − 85 45	−85 578	20 52 54	−85 47.9	7.8 ✓				
20 47 − 85 40	−85 516	20 47 0	−85 42.0	8.1 ✓	20 53.7	−85 36	54	
11 8 − 85 5	−85 270	11 7 48	−85 4.3	7.1 ✓	11 7.6	−85 12	54	
11 10 − 85 32	−85 276	11 10 47	−85 33.1	8.7 ✓	11 10.5	−85 41	54 ~~276~~	
11 34 − 86 35	−86 232	11 35 29	−86 34.6	8.9 ✓				
12 6 − 87 42	−87 196	12 7 44.6	−87 43.226	6.5 ✓				
13 55 − 88 48	−88 127	13 57 55.8	−88 48.079	8.1 ✓	14 13.8	−88 55	54	
15 40 − 88 58	−88 142	15 39 58.1	−88 57.897	8.8 ✓	16 8.5	−89 3	54	
16 15 − 88 48	−88 147	16 14 46.7	−88 48.542	8.6 ✓				
16 33 − 88 43	−88 150	16 33 4.9	−88 42.739	9.3 ✓				See note on page 172, opposite.
17 17 − 88 57	−88 158	17 16 36.7	−88 57.244	9.2 ✓				
19 10 − 88 27	−88 171	19 9 7.3	−88 26.758	8.7 ✓				
20 45 − 87 45	−8" 305	20 44 59.4	−87 42.064	8.9 ✓				
20 35 − 87 30	−87 303 −87 302	20 34 24 20 34 9	−87 32.4 −87 32.2	8.9 9.4 ✓				
21 20 − 86 22	−86 396	21 21 46	−86 24.1	8.1 ✓	21 28.5	−86 18	54	remark in 54
21 29 − 85 35	−85 528	21 28 39	−85 36.4	7.6 ✓	21 34.3	−85 29	54	

~~July~~ June 18, 1903

Plate 22566

	V	H	Cl.	Rem.	Kline	Int.	Br.	Photom. Magn.
√	~~20~~ 13.7	6.5	A		ξ n	3	2.17	6.74
√	~~17~~ 13.7	7.1	F	4624	K K=H	2	3.31	
√	13.6	8.1	F8G		K K=H	2	2.91	7.62
√	~~12~~ 13.5	~~9.1~~ 9.2	A		ε n	1	4.00	
√	13.4	11.1	H		K K=H	1	3.65	
√	13.6	12.3	K		K K=H	2	3.30	
√	14.1	12.4	F	4625	K K=H	1	3.80	
√	13.7	12.9	F	4626	η K=H	3	2.59	7.64
√	14.0	13.9	A		δ K=2	2	2.48	
√	13.5	14.1	Md		ε n	2	3.03	6.56
√	13.2	16.3	F	4627	γ K=H	4	0.63	5.48
√	13.7	21.4	A5F	4628	K K=H	2	~~2.14~~ 3.03	
√	13.4	22.5	A		ε n	1	3.62	
√	14.1	7.4	F	4629	K K=H	2	2.91	7.75
√	14.7	8.2	K		K K=H	2	3.03	7.26
√	14.1	9.8	H		ε n	1	3.98	
√	14.2	11.7	F	4630	K K=H	1	3.76	
√	14.5	12.4	A2F		γ K=4	2	3.37	
√	14.3	13.1	G5K		K K=H	2	3.17	
√	14.4	13.4	K5M		K K=H	2	3.12	7.53
√	14.2	16.7	F	4631	χ K=H	3	1.96	6.54 6.61
√	14.4	17.7	F	4632	K K=H	1	3.40	
√	14.9	~~17.3~~ 18.3	H		ε n	1	3.89	8.48
√	14.6	18.6	F	4633	K K=H	1	3.72	9.08
√	14.3	19.7	K		K K=H	2	3.01	
√	14.4	20.4	F	4634	K K=H	1	3.66	
√	14.4	20.7	H		ε n	1	4.13	
10.30 P.M. √	14.2	22.1	F5G		K K=H	1	3.43	

1875	Design.	1875 R.A.	1875 Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
10 39 -85 25	-85 245	10 38 9	-85° 26.6	6.7 ✓	10 36.9	-85 34	54
10 41 -85 44	-85 249	10 41 50	-85 43.1	8.0 ✓			
10 47 -86 15	-86 210	10 47 20.9	-86 14.483	8.2 ✓	10 45.9	-86 22	54
10 55 -86 45	-86 212	10 54 9.9	-86 45.375	9.5 ✓			
~~11 1~~							
11 17 -87 41	-87 176	11 18 19.7	-87 40.079	8.6 ✓			
11 23 -88 17	-88 107	11 22 46.0	-88 16.565	8.5 ✓			
10 59 -88 22	-88 104	10 59 48.8	-88 21.125	8.8 ✓			
11 25 -88 33	-88 109	11 26 5.6	-88 33.331	7.4 ✓	11 23.9	-88 41	54
11 28 -89 8	-89 34	11 27 30.8	-89 6.672	7.6 ✓			
12 30 -89 6	-89 37	12 33 28.0	-89 6.765	8.3 ✓	12 ~~30~~ 40 9	-89 15	54
18 18 -89 17	-89 47	18 15 34.7	-89 16.649	5.7 ✓	18 59.7	-89 15	50
21 40 -87 5	-87 317	21 41 28	-87 4.8	8.0 ✓	21 48.7	-86 58	54
21 33 -86 30	-86 398	21 34 37	-86 29.4	8.6 ✓			
10 30 -85 57	-85 240	10 30 55	-85 55.2	7.8 ✓	10 29.1	-86 3	54
10 12 -86 19	-86 189	10 11 25	-86 18.2	8.3 ✓	10 8.7	-86 25	54
10 36 -87 5	-87 166	10 35 35.1	-87 5.374	8.9 ✓			
10 38 -88 3	-88 99	10 38 48.0	-88 2.288	8.5 ✓			
10 25 -88 24	-88 94	10 26 25.6	-88 24.678	8.1 ✓			
10 44 -88 44	-88 101	10 41 45.2	-88 43.544	8.4 ✓			
10 30 -88 52	-88 95	10 29 46.4	-88 52.753	8.5 ✓	10 18.9	-89 1	54
21 10 -89 28	-89 53	21 3 45.4	-89 25.488	6.5 ✓	21 37.6 21 36.9	-89 19 -89 19	50 54
21 50 -88 55	-88 192	21 49 51.0	-88 57.400	8.4 ✓			
22 47 -88 38	-88 201	22 46 2.4	-88 38.104	9.2 ✓	22 53.9	-88 30	54
22 23 -88 32	-88 197	22 20 41.6	-88 31.950	8.8 ✓	22 30.2	-88 24	54
22 3 -87 57	-87 323	22 1 52.2	-87 57.148	8.3 ✓			
22 5 -87 37	-87 324	22 3 53.3	-87 36.308	8.8 ✓			
22 7 -87 28	-87 327	22 6 57.9	-87 27.787	9.0 ✓			
22 2 -86 45	-86 403	22 0 56	-86 46.5	8.6 ✓			

June ~~July~~ 18, 1903

8.15 P.M. June ~~July~~ 20, 1903

Plate 22566

	V	H.C.	Cl.	Prism K line	Int.	Br.	Photom. Magn.
√	14.3	22.4	G5K	K 15	3	1.70	5.74
√	15.7	~~X~~6.5	F2G 4635	K=H	3	2.20	
√	15.5	8.9	A ~~X~~?	ε n	1	3.78	
√	15.3	9.0	A	Q n	2	2.91	
√	15.2	11.1	G	K K=H	1	3.31	
√	15.0	12.7	A2F	ξ K=H	2	3.03	
√	15.6	12.7	A	η n	2	2.91	
√	16.0	13.0	A	χ n	3	2.10 ~~3.03~~	7.75
√	15.4	14.1	A ~~F~~	ε n	1	3.23	
√	16.0	16.7	A	ε n	1	3.53	
√?	16.4	17.2	A	χ n	3	2.17	7.22
?√	16.2	17.6	F 4636	K K=H	1	2.60	
√	15.2	19.1	F5 4637	K K=H	1	3.49	8.53
√	15.3	19.2	K	K K=15	3	1.91	5.56
√	16.6	9.4	A	ε n	1	3.82	
√	16.5	7.9	H	ε n	1	3.76	
√	16.2	11.4	F 4638	K K=H	2	2.87	
	16.3	12.6	F 4638a	K K=H	1	3.52	
√	16.1	13.9	A	ξ n	2	3.27	
√	16.6	15.5	H	ε n	1	3.77	
√	16.5	16.4	A	Q n	2	2.78	7.88
√	16.3	18.5	F 4639	K K=H	1	3.60	
√	16.3	19.0	F? 4640	K K=H	1	3.69	
√	16.3	21.2	F 4641	K K=H	2	3.11	7.87
√	16.4	22.6	F5G	K K=H	2	3.13	7.60
√	17.1	6.2	F 4642	Q K=H	3	1.53	5.38
√	17.6	8.1	A	ε n	1	3.67	
√	17.5	8.4	A	ι n	3	2.02	6.96
√	17.4	8.9	A	ε n	1	3.87	

Are there not 15.4
15.2

1875	Design.	1875 R.A. h m s	1875 Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
22 5-86 36	-86 406	22 7 0	-86 36.0	7.0 ✓	22 12.6	-86 29	50
9 50-85 28	-85 210	9 48 8	-85 26.3	6.7 ✓			
9 45-86 37	-86 170	9 44 51	-86 36.5	8.5 ✓			
9 53-86 37	-86 174	9 52 39.8	-86 39.865	7.9 ✓			
9 43-87 45	-87 151	9 42 27.6	-87 44.097	7.6 ✓			
9 40-88 30	-88 86	9 38 33.3	-88 30.705	7.6 ✓			
8 55-88 28	88 76	8 58 15.3	-88 27.980	7.7 ✓			
8 10-88 30	-88 68	8 10 36.2	-88 30.171	6.7 ✓	7 53.0	-88 35	54
8 15-89 10	-89 22	8 14 54.6	-89 9.704	8.3 ✓			
1 53-89 7	-89 6	1 50 42.8	-89 6.390	8.9 ✓			
0 10-89 5	-89 1	0 12 53.9	-89 3.511	7.2 ✓	0 12.5	-88 55	54 Correct if 15.4 intended
23 30-88 59	-88 211	23 29 57.6	-88 58.657	8.5 ✓			" " 15.2 "
22 55-88 15	-88 202	22 56 24.5	-88 14.188	8.4 ✓	23 2.2	-88 6	54
23 10-88 10	-88 204	23 8 15.8	-88 10.068	7.1 ✓	23 13.2	-88 *2	50
9 5-86 43	-86 152	9 5 43	-86 44.8	8.7 ✓			
9 17-86 5	-86 155	9 16 41	-86 3.6	8.7 ✓			
9 0-87 17	-87 138	9 2 39.9	-87 16.610	7.3 ✓			
8 18-88 16	-88 71	8 17 4.2	-87 15.403	8.5 ✓			
7 20-88 50	-88 65	7 21 33.5	-88 49.474	8.2 ✓			
4 30-88 55	-88 46	4 31 56.7	-88 57.180	9.0 ✓			
2 50-88 58	-88 22	2 50 27.0	-88 56.108	7.8 ✓	2 33.4	-88 50	54
0 20-88 22	-88 2	0 21 14.4	-88 21.730	8.5 ✓			
0 8-88 7	-88 1	7 34.4	-88 6.613	8.7 ✓			
23 28-87 5	-87 339	23 27 1.2	-87 5.373	7.8 ✓	23 29.7	-86 57	54
23 18-86 22	-86 418	23 16 21	-86 23.8	8.0 ✓	23 19.2	-86 16	54
9 15-85 10	-85 183	9 14 23	-85 9.7	5.8 ✓	9 11.2	-85 16	50
8 46-85 57	-85 169	8 47 34	-85 56.6	8.3 ✓			
8 43-86 10	-86 138	8 44 32	-86 8.0	6.8 ✓	8 39.5	-86 14	54
8 42-86 22	-86 137	8 42 21	-86 22.4	8.9 ✓			

June
~~July~~ 18, 1903

Plate 225.66

	V	Ho	Cl.	Rem.	K line	Int	June 20. Br.	Photom. Magn.
√	17.3	13.9	M	~~x~~ b	E n	2	3.19	
√	17.3	15.2	S	4643	K K=H	2	3.40	
√	17.7	16.6	A		E n	1	3.68	
√	17.1	16.2	K		KK=H	2	3.42	8.35
√	17.3	11.8	A		E n	1	4.69	
√	17.6	18.2	R		E n	1	3.61	
√	17.5	19.9	S	4644	KK=H	1	3.71	
√	17.3	21.0	A		E n	1	3.87	
√	17.4	21.5	A		Q n	3	2.61	7.37
√	17.1	21.9	A S	4645	KK=H	2	3.09	
√	18.3	9.5	H		E n	1	3.91	
√	18.9	10.6	S	4646	KK=H	1	3.83	
	18.0	10.9	F	4646a	KK=H	2	3.51	
√	18.7	10.7	S	4647	b K=H	3	2.22	6.41
√	18.2	14.3	S	4648	Q K=H	2	2.81	
√	18.2	15.0	A		E n	1	3.92	
√	18.6	15.7	S	4649	KK=H	1	4.20	
√	18.9	16.3	F	4650	KK=H	2	3.37	
√	18.8	21.5	K		KK=H	2	2.70	6.84
√	18.7	21.1	G		K K=H	1	3.47	8.24
√	19.0	22.0	G ~~K~~		KK=H	1	3.11	7.73
√	18.6	23.2	K		K K=H	3	2.52	5.74
√	19.2	8.1	S	4651	KK=H	2	3.21	8.51
√	19.4	X9.2	S	4652	K K=H	1	3.52	
√	19.7	12.2	H		E n	1	3.67	
√	20.0	14.4	H		E n	1	3.82	
√	19.1	15.5	A		E n	1	3.87	
√	19.3	15.9	A		E n	1	3.71	
√	19.3	22.3	H		E n	1	3.88	8.03

h	1875	Design.	1875 R.A.	1875 Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
	° ′		h m s	° ′				
6	19 -88 22	-88 58	6 17 13.8	-88 21.291	8.3 ✓			
4	55 -88 35	-88 50	4 52 48.8	-88 34.452	8.5 ✓			
3	43 -88 22	-88 32	3 44 57.2	-88 22.465	9.0 ✓			
3	18 -88 40	-88 27	3 19 51.9	-88 39.962	8.8 ✓	3 4.0	-88 35	54
2	40 -88 30	-88 28	2 43 2.9	-88 29.395	8.7 ✓			
1	39 -87 59	-87 23	1 35 14.0	-87 59.356	8.8 ✓			
0	39 -87 22	-87 8	0 37 19.7	-87 23.587	8.5 ✓			
0	8 -86 59	-87 1	0 5 19.0	-87 0.176	8.4 ✓			
0	3 -86 45	-86 2	0 2 5	-86 44.1	6.8 ✓	0 3.3	-86 36	54
23	45 -86 35	-86 423	23 44 1.6	-86 35.5	7.7 ✓			
8	10 -86 28	-86 123	8 9 25	-86 26.6	9.1 ✓			
7	32 -86 43	-86 106	7 31 21	-86 43.2	8.8 ✓			
7	45 -87 3	-87 113	7 45 32.9	-87 3.482	8.4 ✓			
7	30 -86 50	-86 105	7 30 6	-86 49.1	6.8 ✓	7 22.0	-86 52	50
5	25 -88 0	-88 53	5 28 21.5	-88 0.811	7.1 ✓			
4	50 -88 10	-88 49	4 50 54.6	-88 7.878	8.9 ✓			
4	10 -87 56	-87 55	4 11 59.4	-87 58.644	9.2 ✓			
3	40 -87 48	-87 51	3 41 36.0	-87 46.199	8.4 ✓			
0	40 -86 22	-86 9	0 39 54	-86 23.2	7.7 ✓	0 39.6	-86 15	54
0	50 -86 35	-86 10	0 46 3	-86 34.5	8.0 ✓	0 45.5	-86 26	54
0	38 -86 7	-86 8	0 38 50	-86 5.8	8.0 ✓	0 38.8	-85 5.8	54
0	8 -85 40	-85 2	0 8 31	-85 41.3	7.5 ✓	0 9.5	-85 33	50
8	8 -85 35	-85 137	8 7 58	-85 34.9	8.0 ✓	8 3.0	-85 39	54
7	45 -85 58	-85 118	7 45 54	-85 59.2	8.7 ✓			
6	30 -86 52	-86 80	6 29 56	-86 21.6	8.7 ✓			
5	5 -87 10	-87 67	5 4 19.0	-87 9.623	8.9 ✓			
4	20 -87 40	-87 58	4 20 32.3	-87 42.004	8.9 ✓			
4	0 -87 37	-87 54	4 1 43.9	-87 37.093	8.8 ✓			
0	37 -85 58	-85 7	0 36 27	-85 56.2	8.7 ✓	0 36.5	-85 48	54

June
July 18, 1903

Plate 22566.

	V	H	Cl. Rem.	Kleine	Int.	June 20 Br.	Photom. Magn.
✓	20.1	7.5	F. 4653	K K=H	1	3.71	
✓	20.1	16.7	F 4654	KK=H	1	3.91	
✓	$21.\overset{2}{x}$	11.3	A	ε n	1	3.31	
✓	21.4	7.8	F 4655	KK=H	1	3.70	
✓	21.6	11.6	K	KK=H	3	3.95	6.74
✓	21.3	15.0	A	ε n	2	3.31	
✓	21.4	17.9	A	ξ n	2	3.43	8.13
✓	21.3	18.7	A	ε n	2	3.24	7.76
✓	21.8	20.4	A	ξ n	1	3.38	8.06
✓	21.7	21.3	G5K	KK=H	3	2.09	5.63
✓	22.1	6.9	A	ξ n	2	3.10	7.64
✓	$2\overset{2}{x}.7$	18.4	H	ε n	1	4.16	8.42
✓	22.8	18.8	K	KK=H	2	3.41	7.29
✓	22.3	20.7	K	KK=H	2	3.42	7.17
✓	22.3	24.1	H	ε n	1	3.67	7.40
✓	23.6	6.4	H	ε n	1	3.75	
✓	23.7	7.2	F5G	lK=H	2	3.36	
✓	23.5	16.8	F 4656	KK=H	1	3.65	
✓	23.8	11.3	A	ξ n	3	1.93	6.24
✓	23.2	16.0	A	ι n	3	1.91	6.46
9 30 P.M. ✓	23.5	18.5	A	ε n	1	3.80	8.60

June 20, 8.53 P.M.

1875	Design	1875 R.A.	1875 Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
h m ° '		h m s	° '				
0 -85 5	-85 129	8 0 4	-85 7.1	8.3 ✓			
3 30 -87 10	-87 47	✓ 3 29 52.1	-87 9.979	8.9 ✓			
25 -86 5	-86 77	✓ 6 26 14	-86 3.0	7.8 ✓			
7 30 -84 45	-84 128	✓ 7 30 35	-84 47.5	8.3 ✓			
12 -85 56	-85 77	✓ 6 12 44	-85 55.5	7.6 ✓	6 6.2	-85 56	54
35 -86 33	-86 48	✓ 4 36 21.1	-86 32.543	7.6 ✓			
3 -86 22	-86 31	✓ 3 3 45	-86 22.0	7.9 ✓	2 58.9	-86 16	54
40 -86 15	-86 28	2 39 36	-86 16.2	7.5 ✓	2 35.5	-86 10	54
3 -85 37	-85 22	✓ 2 3 24	-85 38.5	7.7 ✓	2 1.0	-85 31	54
45 -85 24	-85 17	✓ 1 44 50	-85 24.0	6.7 ✓	1 43.1	-85 16	50
32 -84 15	-84 132	✓ 7 31 38	-84 13.5	7.2 ✓	7 27.8	-84 17	54
3 1 -85 40	-85 34	3 2 16	-85 40.0	8.9 ✓	2 58.4	-85 34	54
52 -85 34	-85 33	✓ 2 57 23	-85 32.6	8.1 ✓	2 47.9	-85 27	54
5 -85 22	-85 24	✓ 2 5 27	-85 21.2	8.0 ✓	2 3.2	-85 14	54
5 -84 15	-84 20	✓ 1 6 8	-84 15.5	8.2 ✓	1 5.9	-84 8	54
7 15 -83 30	-83 151	✓ 7 17 19	-83 33.1	8.4 ✓			
7 5 -83 50	-83 142	✓ 7 5 9	-83 49.6	7.9 ✓			
6 -84 53	-84 85	6 7 50	-84 55.0	7.8 ✓			
5 55 -84 50	-84 75	✓ 5 54 28	-84 50.5	6.0 ✓	5 49.6	-84 50	50
4 5 -85 38	-85 44	✓ 4 5 57	-85 37.6	6.1 ✓	4 0.9	-85 34	50
5 -85 15	-85 35	✓ 3 6 8	-85 15.5	8.1 ✓	3 2.6	-85 9	54

~~July~~ June 20, 1903.

Plate measured film side down.

Plate B12012

α	He	Cl.	Rem.nr	Kleine	Int.	Br	Photom. Magn.
✓5.3	13.5	K	K	K=H	2	3.78	6.66
✓6.0	13.8	H	ε	n	1	4.24	7.21
✓5.1	18.7	K	K	K=H	2	3.69	6.29
✓5.3	19.6	A3F	ι	K=~~3/10~~ 3	3	2.81	6.20
✓5.1	23.6	H	ε	n	1	4.10	
✓6.8	6.9	A	ξ	n	2	3.88	
✓6.4	14.5	A	ε	n	1	4.28	
7.0	18.3	A	ε	n	1	4.20	
7.0	20.7	~~B~~ B8A 4657	λ	n	3	1.78	5.52
7.7	5.9	~~F~~ a5F 4658	η	K=H	3	2.97	6.06
7.4	6.3	A	ε	n	1	4.13	
7.5	17.1	H	ε	n	1	4.23	
7.9	18.6	K	ε	n	2	3.87	6.48
8.5	22.8	Mb5c	K	K=15	3	2.85	
9.8	14.0	K5M	K ~~K~~	K=15	3	2.54	5.30
9.8	14.8	K5M	K	K=14	3	2.93	5.68
9.5	15.3	K3M		K=15	3	2.45	5.10
9.3	20.2	A3F	λ	K=3/10	4	0.40	4.34
10.3	6.4	F 4659	K	K=H	2	3.51	
10.6	15.7	G	K	K=H	1	4.26	
11.2	8.3	H	K	K=H	1	4.00	
11.5	15.0	H	ε	n	1	4.12	
11.5	18.3	H	ε	n	1	4.21	
12.1	6.6	A	ε	n	1	4.11	
12.2	7.1	aF 4660	K ~~K5E~~	K=H	1	4.19	
12.4	8.7	F8G	η	K=15	3	2.89	5.88
13.0	8.9	H	ε	n	1	3.93	
13.0	11.0	H	ε	n	1	4.21	

Approx. Est. 1875.	C.P.D. No.	R.A. 1875	Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
h m		h m s					
0 11.0 -80° 30′	C.P.D. -80° 7	0 10 25	-80° 32.6	6.7 ✓	0 11.5	-80 25	54
0 5.0 -80 50	" -80 3	0 5 53	-80 52.2	7.4 ✓	0 7.0	-80 44	54
23 10.0 -80 10	-80 1067	23 9 39	-80 9.3	7.0 ✓	23 11.6	-80 1	50
22 55.0 -80 10	-80 1064 ~~1065 superposed~~	22 58 6	-80 9.3	6.2 ✓	23 0.2	-80 1	50
22 23.0 -79 26	-79 1206	22 23 25.0	-79 24.9	7.4 ✓			
1 33.0 -80 35	-80 28	1 33 11	-80 34.0	6.9 ✓			
23 56.0 -81 5	-81 1050	23 57 38	-81 5.4	7.3 ✓			
23 8.0 -81 6	-81 1029	23 7 59	-81 6.4	7.6 ✓			
22 38.0 -80 46	-80 1055	22 38 35	-80 47.0	4.9	22 41.0	-80 39	50
1 48.0 -80 47	-80 35	1 48 59	-80 47.7	6.3 ✓	1 48.7	-80 41	50
1 42.0 -80 41	-80 29	1 42 17	-80 40.9	7.3 ✓			
23 23.0 -81 31	-81 1036	23 23 0	-81 30.9	8.2 ✓			
23 0 -81 36	-81 1024	23 1 39	-81 35.4	7.7 ✓	23 3.8	-81 27	50
22 5.0 -81 4	-81 990	22 3 18	-81 4.6	8.8 ✓			
0 4.0 -82 56	-82 4	0 4 19	-82 55.2	6.3 ✓	0 5.5	-82 47	50
23 50.0 -82 53	-82 907	23 50 38	-82 52.0	6.7 ✓	23 52.1	-82 44	50
23 43.0 -82 43	-82 905	23 44 41	-82 42.8	6.1 ✓	23 46.2	-82 34	50
22 33.0 -82 2	-82 889	22 33 7	-82 2.0	4.7 ✓	22 35.8	-81 54	50
1 59.0 -82 5	-82 34	1 59 41	-82 6.3	7.0 ✓			
23 34.0 -83 11	-83 756	23 35 43	-83 11.9	7.8 ✓			
1 39.0 -82 53	-82 28	1 39 55	-82 54.8	7.8 ✓			
23 46.0 -83 43	-83 758	23 46 13	-83 42.2	8.0 ✓			
22 49.0 -83 23	-83 743	22 49 47	-83 22.5	8.1 ✓			
2 9.0 -82 54	-82 39	2 9 38	-82 53.5	7.6 ✓			
2 5.0 -83 7	-83 35	2 5 30	-83 6.4	7.5 ✓			
1 40.0 -83 36	-83 27	1 41 19	-83 36.6	6.3 ✓	1 40.5	-83 29	50
1 42.0 -83 53	-83 28	1 42 24	-83 52.5	8.2 ✓			
1 5.0 -84 16	-84 20	1 6 8	-84 15.5	8.2 ✓			

~~July~~ June 20, 1903

Plate 12012

V	He	Cl.	Prov. Rem.	Kline	Int.	Br.	Photom. Magn.
12.9	19.2	a	5 S 4661	η K=H	3	2.93	
12.2	19.6	a		ε n	1	4.23	
13.3	8.8	G		K K=H	2	4.02	
~~13.0~~ 13.0	11.8	S	4662	K K-H	1	4.27	
13.3	15.2	H		ε n	1	4.44	
13.8	18.5	K	4663	K K=H	2	4.28	
13.8	19.7	S	4664	K K=H	1	4.34	
13.9	20.6	H		ε n	1	4.20	
13.4	22.3	F8G		ξ K=H	3	2.38	5.38
13.1	22.7	S	4665	K K=H	2	3.50	
14.0	23.2	B	4666	δ n	3	2.77	
13.0	24.1	a		ε n	1	3.7~~8~~9	
14.7	22.9	a ×		η n	3	3.13	
16.0	9.3	H		ε n	1	3.96	
1~~2~~5.6	10.1	G		K K=H	3	2.80	5.63
1~~4~~5.3	13.9	m~~k~~a		ε n	3	3.10	5.74
1~~4~~5.5	20.9	a		η n	2	3.52	
1~~4~~5.3	23.1	a	5 S 4667	ε K=H	2	3.47	
15.6	~~22.8~~ 3.2	a		ε n	1	4.34	
16.5	9.7	a		ξ ~~ε~~ n	1	4.10	
16.3	12.7	G		K K=H	1	4.10	
16.8	12.9	K		K K=H	2	3.63	
16.9	15.5	H		ε n	1	4.16	
17.0	19.6	K		K K=H	2	3.54	
16.9	21.6	a	5 S 4668	K K=H	2	3.81	
17.4	8.1	H		ε n	1	4.07	
17.4	19.1	a		δ n	2	~~4.22~~	
17.2	14.6	[illegible]		ε n	2	3.80	

1875

h	m	°	'	Design.		R.A. h	m	s	Dec. °	'	Magn.		R.A. 1900		Dec. 1900		Vol.
22	23.0	-83	52	-83	739	22	24	15	-83	53.9	6.7	✓					
22	23.0	-83	28	-83	738	22	23	54	-83	27.6	8.0	✓					
1	48.0	-83	59	-83	30	1	47	43	-83	59.4	7.7	✓					
0	48.0	-84	26	-84	16	0	49	23	-84	25.4	7.7	✓					
23	38.5	-84	34	-84	658	23	39	12	-84	33.4	8.1	✓					
22	29.0	-84	25	-84	646	22	29	44	-84	23.6	7.8	✓					
22	7.0	-84	8	-84	639	22	8	27	-84	8.6	7.7	✓					
21	50.	-83	57	-83	730	21	51	10	-83	57.7	8.2	✓					
21	31	-83	16	-83	722	21	31	30	-83	17.4	6.2	✓	21	35.6	-83	11	50
21	30	-83	1	-83	721	21	30	38	-83	0.2	7.2	✓					
21	14	-83	14	-83	716	21	13	17	-83	13.4	6.5	✓					
21	15	-82	28	-82	859	21	15	36	-82	28.1	7.6	✓					
21	10	-83	34	-83	715	21	9	48	-83	34.1	6.9	✓					
2	5	-85	23	-85	24	2	5	27	-85	21.2	8.0	✓					
1	45	-85	24	-85	17	1	44	50	-85	24.0	6.7	✓	1	43.1	-85	16	50
0	8	-85	40	-85	2	0	8	31	-85	41.3	7.5	✓	0	9.5	-85	33	50
21	28	-84	31	-84	633	21	28	19	-84	31.8	7.2	✓					
21	0	-83	43	-83	714	21	6	3	-83	42.1	8.9	✓					
20	53	-83	46	-83	709	20	52	30	-83	46.0	8.6	✓					
2		-85	38	-85	22	2	3	24	-85	38.5	7.7	✓					
0	39	-86	6	-86	8	0	38	50	-86	5.8	8.0	✓					
0	39	-86	23	-86	9	0	39	54	-86	23.2	7.7	✓					
23	16	-86	24	-86	418	23	16	21	-86	23.8	8.0	✓					
21	28	-85	36	-85	528	21	28	39	-85	36.4	7.6	✓					
20	55	-84	49	-84	626	20	54	57	-84	49.1	7.6	✓					
2	51	-85	32	-85	33	2	51	23	-85	32.6	8.1	✓					
0	0	-86	45	-86	2	0	2	5	-86	44.1	6.8	✓					
23	45	-86	37	-86	423	23	44	16	-86	35.5	7.7	✓					

~~July~~ June 20, 1903.

Plate 12012

a	He	Cl	Rem.	K line	Int.	Br.	Photom. Magn.
18.6	17.4	G		K K=12	3	2.79	
18.5	18.7	S	4669	K K=H	1	3.76	
18.9	19.9	H		ε n	1	4.32	
18.8	20.0	S	4670	K K=H	1	4.25	
18.3	20.3	A		ε n	2	3.73	
18.3	20.6	K		K K=H	2	3.74	
18.4	22.8	A		ξ n	2	3.27	
17.3	20.6	K		ε n	2	3.60	
17.6	21.2	S	4671	K K=H	1	4.01	
18.9	8.9	B		ε n	1	4.15	
19.7	6.4	A		ϑ n	3	2.41	6.46
19.2	17.4	A		ε n	1	3.97	
20.3	14.9	K		K K=12	3	2.60	5.60
20.4	16.1	H		ε n	1	4.00	
21.0	18.8	A		ξ n	2	3.47	
20.8	19.9	S	4672	K K=H	1	4.10	
21.0	20.5	H		ε n	1	4.10	
21.4	7.6	S	4673	K K=H	1	4.31	
21.4	10.4	S	4674	K K=H	1	4.27	
22.0	14.0	A		ϑ K=1	3	3.10	7.22
~~4.12~~ 22.4	12.7	A		η n	2	3.61	
22.4	18.2	S	4675	K K=H	1	4.11	
23.4	10.1	S	4676	K K=H	2	3.69	
23.1	14.9	B S	4677	K K=H	3	2.71	6.54
10.18 P.M. 23.8	15.5	A B S	4678	K K=H	3	1.53	5.48

~~22 7 86 35~~
~~21 21-86 25~~

1875	Design.	R.A. 1875 h m s	Dec. 1875 ° '	Magn.	R.A. 1900	Dec. 1900	Vol.
22. 7-86 35	-86 406	✓22 7 0	-86 36.0	7.0 ✓			
21 21-86 25	-86 396	✓21 21 46	-86 24.1	8.1 ✓			
20 50-86 9	-86 390	✓20 50 4	-86 8.8	8.7 ✓			
20 48-86 3	-86 389	✓20 49 58	-86 2.9	8.3 ✓			
20 52-85 45	-85 518	✓20 52 54	-85 47.9	7.8 ✓			
20 46-85 42	-85 516	✓20 47 0	-85 42.0	8.1 ✓			
20 11-84 50	-84 619	✓20 12 27	-84 49.6	7.1 ✓			
21 6-85 20	-85 519	✓21 4 36	-85 20.4	7.9 ✓			
20 51-85 16	-85 517	✓20 50 51	-85 15.4	8.0 ✓			
3 0-86 24	-86 31	✓3 3 45	-86 22.0	7.9 ✓			
4 7-85 39	-85 44	✓4 5 57	-85 37.6	6.1 ✓	4 0.9	-85 34	50
21 41-87 5	-87 317	✓21 41 28	-87 4.8	8.0 ✓			
23 5-88 11	-88 204	✓23 8 15.8	-88 10.068	7.1 ✓	23 13.2	-88 2	50
22.0-87 58	-87 323	✓22 1 52.2	-87 57.148	8.3 ✓			
20 8-87 12	-87 298	✓20 9 5	-87 12.8	7.4 ✓			
20.0-86 43	-86 386	✓20 0 28	-86 41.8	8.3 ✓			
19 42-86 29	-86 379	✓19 43 3	-86 28.0	8.3 ✓			
4 35-86 34	-86 48	✓4 36 21.1	-86 32.543	7.6 ✓			
3 40-87 46	-87 51	✓3 41 36.0	-87 46.199	8.4 ✓			
0 10-89 5	-89 1	✓0 12 53.9	-89 3.511	7.2 ✓	0 12.5	-88 55	54
2 50-88 58	-88 22	✓2 50 27.0	-88 56.108	7.8 ✓			
19 20-87 46	-87 295	✓19 22 0.1	-87 48.445	8.4 ✓			
5 30-88 0	-88 53	✓5 28 21.5	-88 0.811	7.1 ✓			
21 4-89 26	-89 53	✓21 3 45.4	-89 25.488	6.5 ✓	21 37.6	-89 19	50
18 16-89 17	-89 47	✓18 15 34.7	-89 16.649	5.7 ✓	18 59.7	-89 15	50

Plate
V He Cl Rem^{no} K line Int

Plate
v Hc Cl Rein^{mr}, Kline Int.

Plate
V He Cl Rim^{w}. K line Int.

Plate
v HeCl. Rem. K line Int

Plate
V He Cl Rem^{m}. K line Int.

Plate
v He Cl Rim. K line Int.

Plate
V He Cl Prim^{m}: Kleine Int

Plate
V He Cl Rein Klmi Int.

Plate
& He Cl Rein^{w}. Kline Int.

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Plate
& He Cl. Lum^{w}. K line Int.

Plate
& He Cl. Remi Kleine Int

Plate
Q V Hc Cl Rsm. Klme Int.

Plate
V. He Cl Cam^{m}. K line Int.

Plate

δ H Cl. Rem^{ks}. Helium Int

Plate
& HCC Rein. Kline Int.

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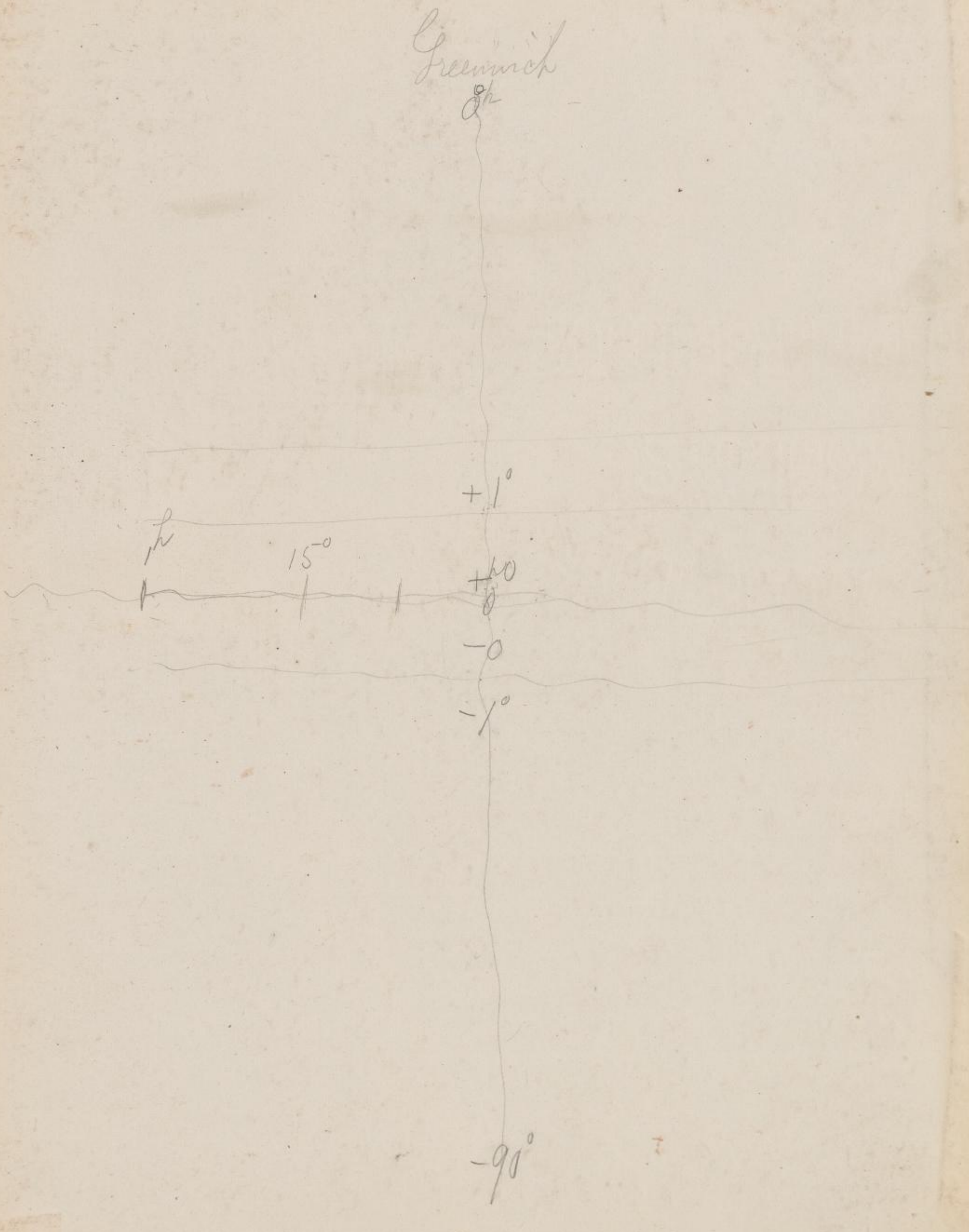
Greenwich
0h
+1°
1h
15°
+0
0
−0
−1°
−90°