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Description of Spectra measured for Southern Draper Catalogue

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Unexposed portion of plate too dense to permit of a comparison of the exposed portion with regard to the unexposed portion.

September, 26, 1890

Plate 1748

Book 51 page	T.	H.	Class	No. Rem.	Description
4	13.5	18.7	F	1	410,6; 434,6.
	14.3	20.2	F	2	410,3; 434,3
	16.0	8.9	F	3	410,5; 434,5
	20.4	11.6	F	4	410,5; 434,5
6	24.0	22.7	F	5	410,3; 434,3

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September 27, 1890

Book 51 page Plate 3561

8	r.	H.	Class	No. Rem.	Description
	4.3	17.9	F	6	410,5; 434,5.
	5.3	14.3	F	7	410,2; 434,2
	6.4	9.9	F	8	410,5; 434,5
	6.1	5.6	G	9	410,3; 434,3, 434 double.
	8.0	11.1	F	10	410,5; 434,5
	8.5	17.9	F	11	410,2; 434,2
	11.5	22.3	F	12	410,3; 434,3
	11.7	24.2	F	13	410,3; 434,2
	12.7	7.4	F	14	410,5; 434,5
	12.8	13.3	G	15	410,2; 434,4.
	14.9	8.6	F	16	410,4 double; 434,4 double.
10	15.5	6.1	A	17	Lines double
	15.2	13.4	F	18	410,5; 434,5.
	15.2	19.0	F	19	410,2; 434,2.
	17.5	16.8	G	20	410,5; 434,5
	17.4	16.5	F	21	410,5; 434,5
	17.2	22.5	F	22	410,5 double; 434,5 double.
	19.4	11.8	F	23	410,5; 434,5
12	21.2	13.3	A?	24	Lines double
	21.3	14.4	F	25	410,3; 434,3.
	22.1	22.1	A	26	Lines double
	24.0	10.5	F	27	410,5; 434,5

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October 1, 1890

Plate 1750

Book 51 page		R. A.	Decl.	Class	Photo. Rem.	Description
	14	6.5	6.9	F	28	410,2; 434,2; 434 double
		6.5	14.4	F	29	410,5; 434,5.
		11.1	6.9	F	30	410,2; 434,3.
		11.7	15.6	F	31	410,5; 434,5
		11.4	17.2	A	32	Hydrogen lines double. Two stars superposed?
		13.9	18.8	A	33	Hydrogen lines double. Two stars superposed?
	16	14.6	19.1	G	34	410,2; 434,3
		15.4	12.6	A	35	β 5.5 γ=.2; ε 5 ζ=.1?. Two dark bands beyond ν stronger than the hydrogen lines of short wave length.
		18.1	15.2	F	36	410,4; 434,4.
		21.5	5.8	A	37	Hydrogen lines double?
	18	23.1	17.1	B	38	β 5 γ=.4
		24.6	19.1	B	39	Only a portion of spectrum visible

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October 3, 1890.

Plate 2962

Book 51 Page 8.

No.	H.	M.	Class	Rem.	Description
20	4.2	20.6	F	40	410,5; 434,5
	5.8	8.8	F	41	410,3; 434,3; 434 double.
	5.6	12.2	F	42	410,4; 434,4; 434 double.
	6.4	19.8	F	43	410,5?; 434,5?

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October 7, 1890

Plate 2962

Book 51. Page	R. H.	Class	Rem.	Description.
22	7.5 15.1	F	44	410,4; 434,4.
	8.9 23.0	F	45	410,3; 434,3.
	9.6 22.1	F	46	410,3; 434,3
24	10.6 17.5	F	47	410,5; 434,5.
	10.5 24.0	F	48	410,3; 434,3
	11.4 19.4	F	49	410,2; 434,2
26	12.8 22.3	F	50	410,5; 434,5.
	15.0 6.2	?	51	Spectrum burned out. Lookup on N Plate.
	14.7 18.0	F	52	410,2; 434,2.
28	15.2 9.2	F	53	410,5; 434,5.

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October 9, 1890.

Plate 2962

Book 51 page.	R. A.	H.	class.	Rem. No.	Description.
30	17.3	17.1	F	54	410, 3; 434, 3.
	18.1	5.7	A	55	Hydrogen lines double due to focus.
	18.7	10.6	F	56	410, 5; 434, 5
	18.8	15.4	F	57	410, 1; 434, 2.
	18.2	20.0	F	58	410, 2, 434, 2.
	19.1	13.2	F	59	410, 2; 434, 2; 434 double.
32	20.6	10.8	F	60	410, 5; 434, 5.
	20.0	17.8	F	61	410, 5; 434, 5.
	20.2	23.1	A	62	Hydrogen lines double due to focus
	21.4	5.9	A	63	Hydrogen lines double due to focus.
	21.4	17.2	F	64	410, 2, 434, 2.
	23.0	7.5	A	65	Hydrogen lines double due to focus.
	22.8	12.7	F	66	410, 5; 434, 5.
34	22.7	15.0	F	67	410, 5; 434, 5.

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October 11 1890.

Plate 2336

	H.	H.	Class	Rem. No.	Description
Book 51 page 36	5.2	20.2	F	68	410, 4; 434, 4; 410 and 434 double.
38	7.5	20.5	F	69	410, 2; 434, 2; 434 double.
	9.2	15.0	F	70	410, 5; 434, 5.
40	10.7	12.5	F	71	410, 5; 434, 5.
	11.7	13.5	F	72	410, 2; 434, 2; 434 double
	12.7	6.4	A	73	Hydrogen lines narrow

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April 7 1891.

October, 1890.

Plate 2336

Book 5 page	V. H.	Class	No. Rems	Description.
42	12.1 14.4	B	74	F 6 G = .2; h 6 H = .3
	12.6 19.5	B	75	F 7 G = .1 h 6 H = .2
	13.8 16.8	F	76	410,2; 434,2
	14.8 21.6	F	77	410,5; 434,5
	15.0 22.6	F	78	410,5; 434,5
	15.2 17.0	P	79	Bright-line. Pl. Neb.?
	16.0 24.1	F	80	410,5; 434,5
	16.1 16.2	A	81	Hydrogen lines narrow.
	18.0 12.7	F	82	410,2; 434,2
	17.2 14.0	F	83	410,5; 434,5
	17.4 15.8	F	84	410,5; 434,5
	18.8 15.5	F	85	410,2; 434,2
	18.1 16.1	A	86	Hydrogen lines narrow.
	19.9 22.6	F	87	410,3; 434,3.
	20.3 12.8	F	88	410,5; 434,5.
	20.7 14.8	F	89	410,6; 434,6
	21.7 15.8	F	90	410,2; 434,2
	21.8 23.3	F	91	410,3; 434,3
	23.0 20.1	B	92	F 7 G = .3 h 6 H = .3
	24.1 20.9	F	93	410,5; 434,5

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April 9,
~~October~~, 1890

Plate 3405

Book	Page	R. H.	Class.	Rem. No.	Description.
51	56	4.1 12.3	F	94	410,.2; 434,.2 410.8 434=.3
		6.0 20.9	F	95	410,.4; 434,.4
		7.5 15.9	F	96	410,.2; 434,.2
		7.6 16.8	A	97	410 434 Narrow 410. & 434=.3
		9.7 9.8	B	98	~~F / G 448 =.1 b 6 402 =.1~~
		9.7 17.7	B	99	448.1 402.1 382=.4
		10.3 14.8	B	100	Spectrum burned out. Look up on N Plate. Line 1 mm. beyond d
		~~4.2 9.1~~	~~B~~	~~10~~	
		11.2 9.1	B	101	448.1 402.1
		12.0 15.3	B	102	448.2 402.2 382.4
		12.8 11.1	B	103	448.2 402.2.
		15.9 12.4	B	104	Spectrum burned out. Look up on N Plate. 382.4
		17.8 23.9	A	105	Hydrogen lines narrow.
		18.7 9.5	B	106	448.3 402.3
		22.0 21.8	A?	107	Spectrum burned out. Look up on N Plate.
		~~22.9 11.8~~	~~A~~	~~H~~	
		22.9 11.8	A	108	Spectrum burned out. Look up on N Plate.

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April, 14, 1890.

Plate 3570

Book	page	R.	H.	Class.	Rem. No.	Description.
31	62	7.9	22.1	F	109	410,3; 434,3
		8.4	6.6	2	110	F line bright. 448.2; 402,2
		11.1	13.8	F	111	410,2; 413.1 434,2
		12.1	19.1	2?	112	F line bright?
	64	15.7	16.2	F	113	410,2; 434,2
		17.6	15.2	F	114	410,4; 434,4
		20.9	7.7	F	115	410,5; 434,5
		20.9	18.0	F	116	410,5; 434,5
	66	21.3	22.0	F	117	410,5; 434,5

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April, 16, 1898.

Plate 3261

Book	Page	R. A.	Decl.	Class	No. Rem.	Description
51	68	4.4	16.8	F	118	410,.3; 434,.3
		3.8	16.2	F	119	410,.5; 413,.4; 434,.5
		3.7	18.9	A	120	Image burned out. Measure on N plates.
		7.5	15.5	F	121	410,.4; 434,.4
		9.9	11.9	B	122	448,.1; 402,.2 382,.4
		9.9	22.8	F	123	410,.5; 434,.5
		12.3	20.0	F	124	410,.2; 434,.2
		14.0	7.6	F	125	410,.5; 434,.5
		14.5	9.1	F	126	410,.5; 434,.5
		15.7	10.3	F	127	410,.2; 434,.2
		16.0	14.5	F	128	410,.3; 434,.3
		17.7	9.2	F	129	410,.3; 434,.3
		17.2	18.8	F	130	410,.2; 434,.2 430,.2
		18.4	7.7	F	131	410,.5; 434,.5
		20.0	18.3	F	132	410,.5; 434,.5
		22.6	23.0	F	133	410,.5; 434,.5

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April, 16, 1898.

Plate 3606

Book	page	R.	H.	Class	No. Rem.	Description.
51	74	6.1	6.7	7	134	410,.5; 434,.5
		6.4	13.5	7	135	410,.5; 434,.5
		8.8	14.4	2	136	Image burned out: Examine on
		1				h plate.
		10.3	8.3	7	137	410,.2; 434,.2
		13.0	6.0	7	138	410,.2; 434,.2
		18.0	18.4	7	139	410,.2; 434,.2
		20.0	12.3	7	140	410,.5; 434,.5
		22.3	9.5	7	141	410,.5; 434,.5
		22.4	18.9	7	142	410,.3; 434,.3
		15.0	18.4	7	138a	410.2; 434.2

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April 23, 1890.

Plate 5611

Book	page	R. A.	H.	Class.	Rem. No.	Description.
		4.5	18.2	F	143	410,.3 430,.2 434,.3
		11.4	21.1	F	144	410,.6 434,.6
		13.4	12.6	F	145	410,.2 434,.2
		13.4	14.3	F	146	410,.3 430,.2 434,.3
		15.7	19.6	F	147	410,.5 430,.4 434,.5
		19.4	16.1	F	148	410,.6 434,.6
		24.0	16.4	F	149	410,.5 434,.5

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May, 19, 1890.

Plate 2947

Book	Page	V.	H.	Class.	Rem. No.	Description.
51	82	11.6	13.8	F	158	G=.4 h=.4
		11.8	24.1	F	159	G=.3 h=.3
	84	14.3	23.0	F	162	G+h=.4; Gdbl.
		15.8	10.2	F	163	G+h=.2
		16.6	13.8	F?	164	G+h=.5
		16.9	18.1	F	165	G+h=.3
		18.4	15.2	A	166	G2 h=.8
		19.5	10.6	F	167	410.5; 434.5
	86	19.9	15.1	F	168	410.5; 434.5
		20.0	18.1	B	169	F6½ G=.2; h6 H6=2
		21.0	17.2	F	160	G+h=.7
		22.5	20.6	F	161	G+h=.3

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June, 8, 1898.

Plate 4654

Book	page	R.	H.	Class.	No. Rem.	Description.
		8.3	20.8	F	162	410.3; 434.3
		10.9	9.2	F	163	410.2; 434.2
		12.4	14.8	F	164	410.7; 434.7
		17.0	15.0	F	165	410.7; 434.7
		20.4	12.3	F	166	410.5; 434.5

Plate 3683

6.5	12.3	A	167	Hydrogen lines narrow
9.0	14.0	F	168	410.2; 434.2
8.5	15.1	F	169	410.3; 434.3
9.3	10.8	F	170	410.7; 434.7
10.2	12.3	B	171	F 6½ G=0.2 h 6 H=0.2
12.8	15.2	F	172	410.5; 434.5
13.3	18.7	F	173	410.2; 434.2
17.8	14.0	F	174	410.3; 434.3
17.2	17.2	F	175	410.5; 434.5
17.6	22.9	F	176	410.5; 434.5
20.1	9.6	F	177	410.3; 434.5

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June, 9, 1890.

Plate 3638

Book	page	8.	H.	Class.	Rem.	Description.
		4.6	15.6	B	178	H 6½ G=0.3 h 6 H = 0.4
		4.5	16.9	H	179	410.4; 434.4 H 6½ G=0.2 G1½ h=0.2
		6.8	19.2	H	180	410.5; 434.5
		8.5	6.2	A2	181	Hydrogen lines narrow. First type?
		8.8	7.4	2	182	First type? Hydrogen lines narrow.
		10.0	17.8	2	183	First type Hydrogen lines narrow.
		10.0	20.4	A?	184	Spectrum of 10.2 20.8.3 superposed
		9.2	23.2	H	185	410.6; 434.6
		10.2	11.5	H	186	410.5; 434.5 G1½ h H=0.2 h 1½ H=0.2
		12.1	14.7	H	187	410.2; 434.2

June 11, 1891.

		12.1	15.5	H	188	410.5; 434.5
		12.4	18.0	B	189	H 6½ G=0.1 h 6 H=0.2 H 0.5 α=0.5
		12.5	20.1	H	190	410.5; 434.5
		13.5	12.1	H	191	410.4; 434.4 G1½ h=0.3
		13.7	23.4	A?	192	Spectrum burned out look on M Plates.
		14.1	18.5	H	193	410.5; 434.5
		14.7	20.8	H	194	410.3; 434.3
		15.8	14.7	H	195	410.7; 434.7 G1½ H=0.3
		16.8	11.3	H	196	410.5; 434.5
		16.1	15.4	H	197	410.5; 434.5
		17.8	9.2	H	198	410.2; 434.2
		17.8	17.2	H	199	410.5; 434.5
		19.4	11.0	H	200	410.5; 434.5
		21.0	16.1	B	201	H 6½ G=0.3 H 7H=0.3
		21.6	16.9	H	202	410.7; 434.7

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June, 22, 1892.

Plate 5610

Book page	R.	H.	Class	No. Rems	Description.
	6.8	6.1	F	204	410.6; 434.6
	6.7	6.2	F	205	410.6; 434.6
	8.3	6.5	F	206	410.5; 434.5 G1½ h = 0.3
	12.7	16.5	F	207	410.2; 434.4
	13.4	12.4	F	208	410.4; 434.4
	16.0	21.9	F	209	410.3; 434.3
	18.2	13.1	F	210	410.2; 434.2
	24.6	9.5	F	211	410.6; 434.6

June 24, 1891.

Plate 4619

	4.8	16.0	F	212	410.5; 434.5
	6.3	14.3	F	213	410.2; 434.2
	6.0	24.1	F	214	410.5; 434.2
	7.9	11.0	F	215	410.2; 434.2
	7.1	23.4	F	216	410.4; 434.4
	7.7	24.4	F	217	410.6; 434.6
	6.8	17.3	F	218	410.5; 434.5
	9.8	9.6	F	219	410.3; 434.3
	10.0	11.0	F	220	410.6; 434.6
	10.3	14.6	F	221	410.6; 434.6
	10.5	21.0	F	222	410.5; 434.5
	10.9	21.2	F	223	410.4; 434.4
	12.3	9.1	F	224	410.5; 434.5
	12.6	19.5	F	225	410.4; 4344
	18.0	17.5	2	226	F. line bright. 2
	18.5	9.7	F	227	410.3; 434.3
	19.6	5.8	F	228	410.5; 434.5
	19.8	14.3	F	229	410.3; 434.3

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June, 24, 1892.

Plate 4619 Continued.

Book	page	R.	H.	Class.	Rem. No.	Description.
		20.4	19.7	F	230	410.4; 434.4
		21.2	12.1	F	231	410.6; 434.6
		22.2	13.7	F	232	410.3; 434.3
		22.3	14.4	F	233	410.5⁻; 434.5⁻
		22.3	18.2	F	234	410.5⁻; 434.5⁻
		22.8	20.2	F	235	410.5⁻; 434.5⁻
		23.2	16.7	F	236	410.3; 434.3

July 2, 1891.

Plate 4530

24.0⁻	13.0	B	237	F 6½ G=0.2 h 6 H=0.2 H 6 α=0.3
5.7	11.9	B	238	F 6½ G=0.2 h 6 H=0.2
5.5⁻	13.4	B	239	F 6½ G=0.2 h 6 H=0.2
7.1	19.5⁻	B	240	F 6½ G=0.2 h 7 H=0.2
7.1	11.3	B	241	F 7 G=0.3 F 6 H=0.3 B 4 γ=0.4
8.7	14.7	B	242	F 7 G=0.2 h 6 H=0.2 B 4 γ=0.5⁻
9.1	10.7	O	243	Spectrum consists of several bright lines.
10.5⁻	16.1	F	244	410.5⁻; 434.5⁻
10.1	21.8	A	245⁻	Hydrogen lines narrow.
11.9	12.8	B	246	F 6½ G=0.3 h 6 H=0.3
11.5⁻	13.9	B	247	F 6½ G=0.3 F 5½ G=0.3 F 6½ G=0.2 B 4 γ=0.5⁻
11.3	15.0	B	248	F 6½ G=0.2 h 6 H=0.2
11.5⁻	17.7	B	249	F 6½ G=0.2 h 6 H=0.2 B 4 γ=0.3
10.9	21.8	B	250	B 4 γ=0.4
12.3	11.6	F	251	410.5⁻ 434.5⁻
12.9	18.8	B	252	F 7 G=0.3 h 6 H=0.2 H 6 α=0.1
13.6	19.7	B	253	F 7 G=0.3 h 6 H=0.3 H 6 α=0.2 B 4 γ=0.4

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July 2, 1890.

Plate 45·30

Book	page	8.	H.	Class.	No. Rem	Description.
		14.9	22.8	B	254	F 7 G=0.1 h 7 H=0.3
		14.3	16.5	B	255	F 6½ G=0.3 h 6 H=0.3
		15.4	12.7	B	256	F 6½ G=0.3 h 6 H=0.3 H 6α=0.2
		15.5	14.2	B	257	h 6 H=0.3
		15.6	18.8	B	258	h 6 H=0.2
		15.6	19.5	B	259	F 6½ G=0.2 h 6 H=0.2 B 4 γ=0.6
		16.0	6.8	F	260	410.2; 434.2
		16.1	12.5	B	261	F 6½ G=0.2 h 6 H=0.2
		18.0	13.9	F	262	410.5; 434.5
July 15, 1891		18.1	10.8	F-G	263	410.2; 434.5
		18.8	13.0	B	264	B 4 γ=0.5
		18.1	17.3	F	265	410.3; 43.4
		19.2	11.6	F	266	410.2; 434.2
		23.0	13.2	B	267	F 6½ G=0.3; h 6 H=0.3
		22.2	16.2	B	268	F 6½ G=0.3; h 6 H=0.3
		23.0	19.6	B	269	F 6½ G=0.3; h 6 H=0.3

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July, 13, 1892.

Plate 5262

Book	page	R. A.	Decl.	Class.	Rem. No.	Description
		7.8	7.7	A	270	H 5½ α = 0.2
		7.3	9.9	F1	271	410.5; 434.5
		10.8	13.8	F	272	410.5; 434.5
		12.3	14.2	F1	272a	410.7; 434.7
		14.0	14.4	F	273	410.3; 434.3
		15.0	9.1	F	274	410.3; 434.3
		17.4	11.9	F1	275	410.3; 434.3
		23.3	6.7	F1	276	410.5; 434.5

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July 20, 1890

Plate 5180

Book page	R.	H.	Class	No. Rem.	Description
	4.8	15.0	F1	277	410.5; 434.5

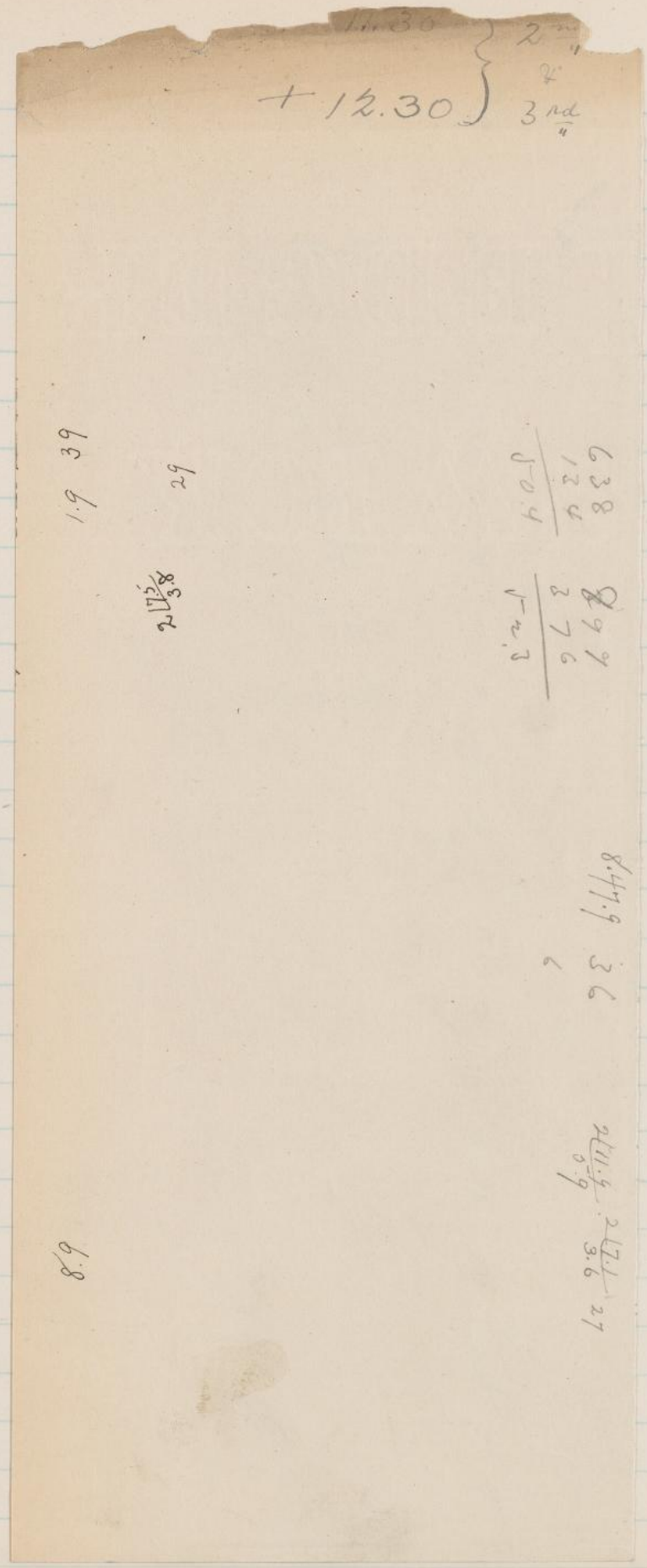
July 24, 1891

Plate 5180

	8.2	16.4	F1	278	410.5; 434.5 G1½h=0.2
	9.9	13.3	A	279	Hydrogen lines Gδh narrow
	10.6	17.2	F1	280	410.5; 434.5
	12.1	14.4	F1	281	410.5; 434.5
	12.3	22.7	F1	282	410.5; 434.4
	15.3	9.9	F1	283	410.5; 434.5
	15.2	13.3	F1	284	410.5; 434.5
	15.9	16.8	F1	285	410.5; 434.5
	16.4	10.3	F1	286	410.3; 434.3
	17.4	15.0	F1	287	410.5; 434.5
	19.7	14.2	F1	288	410.5; 434.5
	21.6	20.0	F1	289	410.5; 434.5
	24.1	18.2	F1	290	410.4; 434.4

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α	alpha	α α
β	beta	
γ	gamma	
δ	delta	δ δ
ε	epsilon	
ζ	zeta	ζ ζ
η	eta	
ϑ	theta	
ι	iota	
κ	kappa	
λ		
μ		
ν		
ξ		
ο		α α
π		
ρ		
σ		
τ		
υ		
φ		
χ		
ψ		
ω		

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Nov. 13, 14, 1892.

Plate 3696

Books	page	&	No.	Class.	Rem.	Description
				F	291	410, 5; 434, 5
				F	292	410, 5; 434, 5
				F	293	410 5; 434, 5
10,9	18.6			A	294	hydrogen lines narrow
12,9	11,7			B	295	7 6 G=.3, h 6 H=.3
12.3	15.9			A	296	hydrogen lines narrow
12,3	17,4			B	297	7 6 G=.2.
				A	298	hydrogen lines narrow
				F	299	410, 5; 434, 5
17,2	14,1			F	300	410. 5; 434, 5
17.6	16,4			F	301	410. 2; 434, 5 2
19.9	11.7			A	302	hydrogen lines narrow
19,9	11,8			F	303	410, .5; 434, .5
19.2	18.0			F	304	410. .6; 434 .6.
21,2	8.2			F	305	410 .2; 434.2.
22.7	12.7			F	306	410 .5; 434. 5

Plate 5576

6,2	21,3			F	307	410. 5; 434 .5
8.3	10.8			F	308	410 .5; 434, 5
9,9	8,1			F	309	410 .5; 434, 5
9,6	16.2			B	310	7 6 G=.3, h 6 H=.3,
—	—	.	.			h 5 H=.3, B 4) =.3
11,8	6.2			F	311	410 .5, 434 .5
11,0	18.7			F	312	410 .5; 434 .5
12,7	9,1			F	313	410 .5; 434 .5
13,7	7,8			F	314	410 .5; 434 .5
13,2	24,2			F	315	410 .4; 434 .4

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Nov. 13 14, , , 1890.2

Plate 5676

Book page	R. A.	Decl.	Class.	Rem. No.	Description
	14,9	17,1	7	316	410 .2 ; 434 .2 ; 410 dbl.
	14,3	18.0	7	317	410 .5 ; 434 .5.
	10.6	15.6	7	318	410 .5 ; 434 .5.
	18,2	11,8	7	319	410 .3 ; 434 .3.
	19,1	8,2	7	320	410 .4 ; 434 .4.
	19,1	20,6	7	321	410 .3 ; 434 .3 ; 410 dbl.
	22.7	18.4	7	322	410 .3 ; 434 .3.

Plate 5677

	5.8	10,2	B	323	7 6 9 = .3
	6.7	5.7	7	324	410 .2 ; 434 .2.
	8.0	15.7	7	325	410 .3 ; 434 .3
	10.9	18.2	7	326	410 .4 ; 434 .4
	11,3	12.3	7	327	410 .3 ; 434 .3
	12,7	9,7	7	328	410 .4 ; 434 .4
	13.5	5.7	7	329	410 .2 ; 434 .2
	14,2	9,9	7	330	410 .2 ; 434 .2
	14,4	15,6	7	331	410 .5 ; 434 .5
	16,0	13,8	7	332	410 .5 ; 434 .5
	16.2	18,1	7	333	410 .5 ; 434 .5
	17,1	7,2	7	334	410 .5 ; 434 .5
	17,4	19,3	7	335	410 .2 ; 434 .2 ; 410 dbl.
	19,8	18,0	7	336	410 .2 ; 434 .2.
	23.5	13,2	7	337	410 .5 ; 434 .5

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November 16, 17, 1892

Plate 5714

Book	page	V.	H.	Class	No Rem	Description
		5.7	10.1	B	338	7 6 3 = .3 ; h 6 H = .3
		8.7	13.3	7	339	410.3 ; 434.3.
		10.1	8.3	7	340	410.4 ; 434.4.
		11.1	12.0	7	341	410.2 ; 434.2.
		13.2	17.7	7	342	410.2 ; 434.2.
		16.5	13.6	7	343	410.5 ; 434.5
		16.8	20.6	7	344	410.5 ; 434.5
		18.0	17.1	7	345	410.5 ; 434.5
		17.2	16.0	7	346	410.5 ; 434.5
		19.9	13.2	7	347	410.4 ; 434.4
		20.3	22.5	7	348	410.5 ; 434.5
		21.4	8.7	7	349	410.5 ; 434.5
		21.3	16.7	7	350	410.2 ; 434.2
		22.6	18.3	7	351	410.5 ; 434.5
		25.0	7.0	7	352	410.5 ; 434.5

Plate 4655

		4.7	11.9	7	353	410.6 ; 434.6
		5.2	12.0	7	354	410.2 ; 434.2
		8.8	20.5	7	355	410.2 ; 434.2
		10.0	8.3	7	356	410.2 ; 434.2
		9.6	11.7	7	357	410.3 ; 434.3
		11.6	23.7	7	358	410.2 ; 434.2
		13.9	17.9	7	359	410.2 ; 434.2
		14.1	13.9	7	360	410.6 ; 434.6
		19.2	19.2	7	361	410.4 ; 434.4
		21.8	12.0	7	362	410.3 ; 434.3
		21.4	18.2	7	363	410.5 ; 434.5

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Plate 46√5

R. A.	Dec.	Class	Rem. No.	Description
23.0	7.8	7	364	410.2 ; 434.2
23.0	10.2	7	365	410.3 ; 434.3

Plate √667

9.1	10.0	7	366	410.3 ; 434.3
11.6	19.0	7	367	410.2 ; 434.2
12.5	6.8	7	368	410.3 ; 434.3
12.6	18.6	7	369	410.7 ; 434.7
14.6	8.5	7	370	410.2 ; 434.2 410 dbl.
14.8	10.5	7	371	410.5 ; 434.5
16.4	12.6	7	372	410.2 ; 434.2 ; 410 dbl
17.1	19.7	7	373	410.2 ; 434.2
21.9	11.8	7	374	410.6 ; 434.6

Plate 403√

6.8	12.3	7	375	410.2 ; 434.2
7.5	17.6	7	376	410.1 ; 434.1
8.4	6.6	7	377	410.2 ; 434.2
8.3	15.4	7	378	410.2 ; 434.2 410 dbl.
9.0	23.4	7	379	410.6 ; 434.6
9.2	13.1	7	380	410.5 ; 434.5
11.1	23.8	7	381	410.2 ; 434.2
11.4	7.2	7	382	410.3 ; 434.3
11.7	12.5	B	383	76 G=.2 ; B4 Y=.3
13.2	8.9	7	384	410.2 ; 434.2
14.5	13.1	7	385	410.3 ; 434.3
15.7	11.4	7	386	410.5 ; 434.5
16.1	9.6	B?	387	+74=.6 ; 76½ G=.5 ; G 6h =.5

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Plate 4035

R. H.	Class	Rem. No.	Description.
16,5	17,8	7	388	410.3 ; 434.3
16,1	23.2	7	389	410.5- ; 434.5-
17,6	24,1	7	390	410.4 ; 434.4
18,6	10,7	7	391	410.3 ; 434.3
19,8	12.3	7	392	410.5- ; 434.5-
21,0	13.5	7	393	410.5- ; 434.5-
20,4	15.6	7	394	410.5- ; 434.5-
20,1	19.6	7	395-	410.5- ; 434.5-
21,7	13,0	7	396	410.5- ; 434.5-
21,8	15.3	7	397	410.2 ; 434.2
21,4	16,5	7	398	410.3 ; 434.3
23,1	21,0	7	399	410.4 ; 434.4

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November 20, 1892

Plate 4680

r	H	class	No. Rem.	Description.
4.4	6.6	F	400	410.2 ; 434.2
5.2	12.2	F	401	410.2 ; 434.2
7.1	12.9	F	402	410.2 ; 434.2
9.0	12.8	F	403	410.2 ; 434.2
8.6	13.9	F	404	410.3 ; 434.3
9.8	15.7	F	405	410.3 ; 434.3
9.7	19.2	F	406	410.2 ; 434.2
11.9	6.3	F	407	410.2 ; 434.2
11.6	24.2	F	408	410.5 ; 434.5
13.9	14.4	F	409	410.2 ; 434.2. 410 & 434 dbl.
14.4	13.2	F	410	410.3 ; 434.3
14.9	17.2	F	411	410.5 ; 434.5
16.8	23.7	F	412	410.2 ; 434.2
16.9	24.1	F	413	410.5 ; 434.5
17.5	23.2	F	414	410.5 ; 434.5
20.7	13.0	F	415	410.2 ; 434.2
20.1	19.5	F	416	410.5 ; 434.5
21.0	20.7	F	417	410.2 ; 434.2
21.3	22.4	F	418	410.3 ; 434.3
22.6	14.2	F	419	410.3 ; 434.3
23.4	10.1	F	420	410.3 ; 434.3
23.5	14.2	F	421	410.5 ; 434.5
24.0	17.3	F	422	410.5 ; 434.5

Plate 4689

6.0	13.6	F	423	410.2 ; 434.2
6.2	19.2	B	424	76½ b=.3; h 6 H=.4
7.1	7.6	B	425	76½ b=.3; h 6 H=.4

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Nov. 20, 1892

Plate 46 & 9
V H bl. Kn.

7.9	20.1	A	426	Hydrogen lines narrow
8.0	20.6	7	427	410.2 ; 434.2
9.2	18.2	7	428	410.2 ; 434.2
12.9	14.1	B	429	76½ 8=.2 ; h6H.2 ; H6α=.2 ; β4f=.√
13.0	19.7	B	430	76½ 8=.3 ; h6H=.3
12.5	22.8	B	431	76½ 8=.2.
13.2	13.7	B	432	76½ 8=.2 ; h6H=.3 ; H6α=.3
13				β4f=.5
13.3	20.3	7	433	410.√ ; 434.√
14.0	20.8	7	434	410.3 ; 434.3
14.6	14.1	7	435	410.3 ; 434.3 ; 410 dbl.
14.4	16.2	B	436	76½ 8=.3 ; h6H=.3 ; ~~H6α=.4~~
14.5	18.√	B	437	76½ 8=.1 ; h6H=.1.
15.3	8.7	B	438	76½ 8=.3 ; h6H=.3
15.9	16.0	B	439	76½ 8=.2 ; h6H=.2 ; H6α=.2 ; β4f=.7
19.1	19.6	B	440	76½ 8=.3 ; h6H=.3
20.√	22.6	7	441	7 410.6 ; 434.6
21.8	8.6	7	442	410.√ ; 434.√
22.0	19.2	7	443	410.6 ; 434.6
20.4	10.6	7	444	410.2 ; 434.2

Plate 58 & 10

8.0	12.6	7	445	410.√ ; 434.√
9.3	8.7	7	446	410.4 ; 434.4 ; 410 dbl.
9.6	11.1	7	447	410.2 ; 434.3 ; 410 dbl
9.8	16.9	7	448	410.6 ; 434.6

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Nov. 26, 1892

Plate 870
v H bl. Rein.

10,9	24,1	7	449	410.7 ; 434.7	
12,7	9,3	7	450	410.2 ; 434.2 ; 410 dbl	
12,5	15,7	A	451	Hydrogen lines narrow	
15,7	5,9	7	452	410,1 ; 434.1.	
15,5	18,0	7	453	410,1 ; 434.1.	
16,1	17,1	7	454	410.6 ; 434.6.	
16,4	18,7	7	455	410.5 ; 434.5	
18,8	10,8	7	456	410.6 ; 434.6.	
18,5	20,2	7	457	410.7 ; 434.7.	
19,8	21,8	7	458	410.2 ; 434.2	
20,6	21,2	7	459	410.7 ; 434.7.	

Plate 879

4,9	10,4	7	460	410.7 ; 434.7	
5,4	17,6	7	461	410.5 ; 434.5	
8,0	13,9	7	462	410.2 ; 434.2	
7,7	20,3	7	463	410,3 ; 434.3	
11,7	20,6	7	464	410.5 ; 434.5	
12,2	8,1	7	465	410.2 ; 434.2 ; 410 dbl.	
12,8	13,7	7	466	410,3 ; 434.3	
13,0	19,2	7	467	410.5 ; 434.5	
13,0	21,2	7	468	410.5 ; 434.5	
13,8	10,9	7	469	410.2 ; 434.2 ; 410 dbl.	
13,2	14,9	7	470	410.3 ; 434.3 ; 410 dbl.	
13,5	19,5	7	471	410.2 ; 434.2	
15,0	10,3	7	472	410.4 ; 434.2	
15,0	7,3	7	473	410.5 ; 434.5	
16,8	7,8	7	474	410,3 ; 434.1	

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Nov. ~~21~~ 20, 1892.

Plate 5779

v	H	bl.	No. Rem.	Description
17.9	19.6	7	475	410.6; 434.6.
17.7	21.7	7	476	410.5; 434.5
19.7	12.6	7	477	410.3; 434.2
19.9	13.8	7	478	410.5; 434.5
21.0	6.9	7	479	410.5; 434.5
21.4	6.6	7	480	410.6; 434.6

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November 22, 23, 1892.

Plate B.363 ~

r	H	bl.	No.	Rem	
5.2	13.8	7	487	410.5 ; 434.5	
9.4	10.5	7	482	410.3 ; 434.3.	410 dbl
10.0	18.0	7	483	410.5 ; 434.5.	410 dbl.
9.3	18.2	7	484	410.3 ; 434.3	
11.5	8.8	7	485	410.5 ; 434.5	
12.3	23.2	7	486	410.6 ; 434.6	
13.0	23.7	7	487	410.2 ; 434.2	
13.6	23.8	7	488	410.2 ; 434.2	~~410 dbl~~
14.0	7.2	7	489	410.2 ; 434.2	410 dbl
16.2	21.0	7	490	410.5 ; 434.5	
18.1	19.6	7	491	410.2 ; 434.2.	410 dbl.
21.3	14.3	7	492	410.5 ; 434.5	
21.7	22.2	7	493	410.2 ; 434.2	
21.7	24.1	7	494	410.2 ; 434.2	
22.8	0.8	7	495	410.5 ; 434.5	
22.3	11.2	7	496	410.6 ; 434.6.	
23.2	23.2	7	497	410.4 ; 434.4	

Plate 5429

7.8	9.2	2	498	Two spectra superposed ?	
12.7	17.9	7	490 a	410.6 ; 434.6	
13.2	8.2	7	491 a	410.1 ; 434.1	
13.7	8.3	7	492 a	410.2 ; 434.2	
13.8	13.0	7	493 a	410.3 ; 434.3.	410 dbl
13.3	14.8	7	494 a	410.4 ; 434.4	
14.8	16.5	7	495 a	410.7 ; 434.7	
16.6	5.8	7?	496 a	410.4 ; 434.4	

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Nov. 22 23, 1892.

Plate 5429

		v	H	bl.	No	Rem.
17.6	11.6	7	497a	410.5	; 434.5	
17.2	22.8	7	498a	410.3	; 434.3	
19.6	9.6	7	499	410.6	; 434.6	
19.5	13.1	7	500	410.4	; 434.4	
21.9	7.3	7	501	410.3	; 434.3	
21.7	9.2	7	502	410.6	; 434.6	
21.7	13.7	7	503	410.7	; 434.7	
21.6	23.0	7	504	410.5	; 434.5	
23.3	8.4	7	505	410.5	; 434.5	

Plate 5202

4.3	11.2	7	506	410.7	; 434.7
6.0	23.5	7	507	410.6	; 434.6
6.2	14.8	7	508	410.5	; 434.5
6.7	21.8	7	509	410.5	; 434.5
7.5	22.2	7	510	410.3	; 434.3. 410dbl.
8.2	19.5	7	511	410.2	; 434.2
9.1	6.7	7	512	410.2	; 434.2
9.0	10.0	7	513	410.2	; 434.2
9.3	11.6	7	514	410.3	; 434.3
10.1	7.1	7	515	410.5	; 434.5
10.0	13.0	7	516	410.2	; 434.2
11.7	16.8	7	517	410.3	; 434.2 ; 410dbl.
11.9	22.5	7	518	410.2	; 434.2 ; 410 dbl.
12.4	16.4	7	519	410.5	; 434.5
12.7	16.9	7	520	410.2	; 434.2
13.4	15.0	7	521	410.2	; 434.2
13.9	17.4	7	522	410.5	; 434.5

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Plate 3402

r	ℓ	Cl.	M.	Rem.		
13.5	21.5	7	523	410.5	434.5	
14.5	6.3	7	524	410.7	434.7	
14.5	10.9	7	525	410.5	434.5	
14.9	14.3	7	526	410.3	434.3	
14.6	21.7	7	527	410.7	434.7	
15.5	16.0	7	528	410.2	434.2	410 dbl
17.0	10.3	7	529	410.2	434.2	
16.3	19.9	7	~~530~~	410.6	434.6	
17.2	5.9	7	531	410.5	434.5	
17.3	11.0	7	532	410.2	434.2	
18.0	14.3	7	533	410.2	434.2	
18.6	15.4	7	534	410.5	434.5	
18.3	20.3	7	~~534~~ 535	410.2	434.2	
18.6	23.9	7	536	410.5	434.5	
19.8	18.4	7	537	410.2	434.2	
21.6	6.5	7	538	410.2	434.2	
21.5	9.5	7	539	410.4	434.4	
21.7	11.2	7	540	410.5	434.5	
24.1	17.5	7	541	410.5	434.5	
24.6	20.4	7	542	410.7	434.7	

Plate 3448

4.7	12.1	7	543	410.5	434.5
5.7	12.1	7	544	410.7	434.7
5.0	20.5	7	545	410.5	434.5
6.5	6.7	7	546	410.2	434.2
6.5	16.9	7	547	410.3	434.3
7.3	7.1	7	548	410.2	434.2

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Plate 3448

r	H	bl.	N.R.	
7,5	20,6	7	549	410,3 ; 434,3
8,2	17,8	7	550	410,2 ; 434,2
9,6	8,4	7	551	410,3 ; 434,3
9,1	8,8	7	552	410,5 ; 434,5
9,3	9,1	7	553	410,4 ; 434,4
9,6	17,7	7	554	410,3 ; 434,3
10,5	22,8	7	555	410,5 ; 434,5
11,6	7,8	7	556	410,2 ; 434,2
10,9	19,3	7	557	410,5 ; 434,5
12,2	10,6	7	558	410,3 ; 434,3
13,0	16,7	7	559	410,2 ; 434,2
12,9	21,7	7	560	410,3 ; 434,3
13,4	7,0	7	561	410,5 ; 434,3
13,9	14,0	7	562	410,5 ; 434,5
13,5	21,4	7	563	410,5 ; 434,5
13,3	22,5	7	564	410,4 ; 434,4
14,5	7,3	7	565	410,2 ; 434,1
14,8	9,7	7	566	410,5 ; 434,5
14,5	21,3	7	567	410,4 ; 434,4
14,2	23,2	7	568	410,5 ; 434,5
15,4	21,4	7	569	410,5 ; 434,4
16,4	5,7	7	570	410,4 ; 434,4
16,7	11,3	7	571	410,5 ; 434,5
16,0	14,1	7	572	410,3 ; 434,3
17,4	11,5	7	573	410,5 ; 434,5
17,3	23,8	7	574	410,4 ; 434,4
18,3	6,2	7	575	410,6 ; 434,6
18,1	9,8	7	576	410,7 ; 434,7

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Plate 3448

r	H	bl.	No. Rem.	
19.8	10.8	7	577	410.7 ; 434.7
19.7	10.5	7	578	410.5 ; 434.5
22.0	20.2	7	579	410.5 ; 434.5
22.6	6.0	7	580	410.5 ; 434.5
23.0	7.9	7	581	410.5 ; 434.5
22.7	22.2	7	582	410.6 ; 434.6
20.4	15.1	7	583	410.5 ; 434.5

Plate 3904

4.8	11.2	B	584	76½ 3=.2 ; h 6 H=.3
~~4.1~~	17.9	B	585	76½ 3=.2 . h 6 H=.3
5.8	9.0	B	586	7 7 3=.3 ; h 6 H=.3
6.0	16.3	7	587	410.5 ; 434.5
5.5	18.8	7	588	410.6 ; 434.6
6.6	7.8	B	589	77 3=.3 ; h 6 H=.3
7.2	11.3	B	590	B 4 y=.5. Spectrum burned out.
8.2	8.3	7	591	410.6 ; 434.6
8.6	9.9	7	592	410.5 ; 434.5
8.3	11.5	7	593	410.6 ; 434.6
8.4	13.4	7	594	410.4 ; 434.4
9.0	14.3	7	595	410.5 ; 434.5
8.5	20.3	7	596	410.5 ; 434.5
9.8	9.4	B	597	77 3=.3 ; h 6 H=.4
9.2	12.4	7	598	410.6 ; 434.6
9.3	16.9	B	599	77 3=.3 ; ~~h 6 H~~
9.9	17.7	7	600	410.5 ; 434.5
9.5	18.5	7	601	410.2 ; 434.2
10.1	17.0	7	602	410.5 ; 434.5

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Plate 3904

r	H	Cl.	No. Rem.	
11,8	10,0	7	603	410.6 ; 434.6
10,9	17,2	B	604	77 G=.3 ; h 6 H=.3 ; β 4 γ=.4
11,7	20,2	7	605	410.2 ; 434.2
12,7	6,8	7	606	410,3 ; 434.3
13,3	10,6	B	607	77 G=.3 ; h 6 H=.3 ; β 4 γ=.6
13,1	17,7	7	608	410.4 ; 434.4
14,1	7,1	7	609	410,5 ; 434,5
14,9	10,8	7	610	410,2 ; 434,2
15,3	17,3	7	611	410,3 ; 434,3
15,4	17,8	7	612	410,2 ; 434,1
16,8	13,2	7	613	410,2 ; 434,2
16,2	18,7	7	614	410,4 ; 434,4
16,8	20,2	7	615	410,3 ; 434,3
17,7	22,0	7	616	410,5 ; 434,5 —
18,5	10,4	7	617	410,3 ; 434,3 ; 410 dbl.
18,8	13,6	7	618	410.3 ; 434,3 ; 410 dbl.
19,0	15,8	7	619	410,2 ; 434,2
20,3	12,5	7	620	410,5 ; 434,5 —
20,9	13,6	7	621	410,7 ; 434,7
21,6	20,9	7	622	410,4 ; 434,4

Plate 3949

4,5	18,5	7	623	410,5 — ; 434,5 —
4,9	21,3	7	624	410,5 ; 434,5
5,5	15,2	7	625	410,2 ; 434,2
5,2	20,7	7	626	410,5 ; 434,5 —
6,9	11,3	B	627	β 4 γ=.6 Spectrum burned out
7,2	14,6	7	628	410,5 ; 434,5

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Plate 3449

v H ~~3 Cha 10~~, Ru.

8,0	14,9	7	629	410.5 ; 434.5
7,3	16,5	7	630	410.4 ; 434.4
7,6	21,3	7	631	410.4 ; 434.4.
8,7	14,1	7	632	410.1 ; 434.1
10,0	6,5	7	633	410.3 ; 434.1 ; 410 dbl.
9,4	14,5	7	634	410.5 ; 434.5.
9,4	21,2	A	635	hydrogen lines narrow
10,5	7,0	7	636	410.2 ; 434.2
10,2	10,6	7	637	410.4 ; 434.4
10,3	12,6	7	638	410.5 ; 434.5
10,8	23,5	7	639	410.7 ; 434.7
11,1	6,3	7	640	410.4 ; 434.4
12,0	13,5	7	641	410.4 ; 434.4
13,7	11,7	7	642	410.5 ; 434.5
13,0	19,8	7	643	410.5 ; 434.4
13,1	5,7	7	644	410.6 ; 434.6
14,0	7,1	7	645	410.6 ; 434.6
13,7	23,1	A	646	hydrogen lines narrow
13,3	23,7	7	647	410.4 ; 434.4
14,7	7,1	7	648	410.3 ; 434.3.
14,7	10,4	7	649	410.2 ; 434.2
14,2	12,7	7	650	410.6 ; 434.6
14,8	19,3	7	651	410.2 ; 434.2
14,5	24,2	7	652	410.5 ; 434.5

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Plate 2449

r	H	Cl.	No. Rem.	
N.1	12.5	7	653	410.5 ; 434.5
N.4	19.7	7	~~654~~ 654	410.2 ; 434.2 ; 410 dbl.
15.0	21.7	7	655	410.5 ; 434.5
15.2	23.5	7	656	410.4 ; 434.4
16.9	11.9	7	657	410.5 ; 434.5
16.9	12.3	7	658	410.5 ; 434.5
16.3	23.0	7	659	410.3 ; 434.3
17.3	5.5	7	660	410.3 ; 434.3
18.0	6.0	7	661	410.4 ; 434.4
17.7	7.3	7	662	410.2 ; 434.2
17.1	8.9	7	663	410.2 ; 434.2
18.0	15.5	7	664	410.2 ; 434.2. 410 dbl.
17.7	16.4	7	665	410.2 ; 434.2.
17.6	20.9	7	666	410.1 ; 434.1
18.3	22.3	7	667	410.5 ; 434.5
18.7	23.5	2	668	Hydrogen lines narrow & bright edged ?
19.8	11.5	7	669	410.4 ; 434.4
20.4	6.4	7	670	410.5 ; 434.5
20.9	7.0	7	671	410.4 ; 434.4
20.5	7.7	7	672	410.5 ; 434.5

Plate 3665

7.3	8.2	7	673	410.5 ; 434.5
8.4	13.7	7	674	410.5 ; 434.5
8.5	19.2	7	675	410.5 ; 434.5
11.0	14.2	7	676	410.6 ; 434.6 ; $\beta\gamma = \frac{4}{}$
12.3	17.0	7	677	410.5 ; 434.5
12.9	20.6	7	678	410.7 ; 434.7

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Plate 3665

r	⅋	Cl.	No. Rem
14.8	12.6	7	679	410.5; 434.5
14.5	15.0	B	680	7 7 G=.3; h 6 H=.3
15.7	9.3	7	681	410.6; 434.6
15.5	14.0	7	682	410.6; 434.6
15.4	15.9	7	683	410.7; 434.7
16.4	8.1	B	684	7 7 G=.3
17.0	9.3	7	685	410.5; 434.5
16.7	9.9	7	686	410.5; 434.3
16.5	17.3	B	687	7 7 G=.2; h 6 H=.4
17.5	16.6	B	688	7 7 G=.1; h 6 H=.3
18.5	9.3	A?	689	Hydrogen lines narrow
18.1	10.0	7	690	410.5; 434.5
18.8	15.3	B	691	7 7 G=.2; h 6 H=.3
19.9	16.3	7	692	410.6; 434.6
19.6	22.8	7	693	410.5; 434.5
20.4	19.0	7	694	410.5; 434.5
21.7	6.4	7	695	410.6; 434.6
22.9	9.8	7	696	410.6; 434.6
23.2	12.4	7	697	410.4; 434.3
23.1	20.3	7	698	410.4; 434.4

Plate 5184

5.3	10.0	7	699	410.5; 434.5
6.8	11.0	7	700	410.6; 434.6
6.7	12.5	B	701	7 7 G=.2;
6.5	13.5	B	702	h 6 H=.3
7.4	6.0	7	703	410.2; 434.2
8.0	10.8	7	704	410.5; 434.5

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Plate 5184

r	H			
7.7	18.0	7	705	410.5 · 434.v-
9.0	11.0	B	706	77 G=.3 · h6H=.3; H6α=.4; β4γ=.6
9.5	12.5	7	707	410.6; 434.6
8.1	17.1	7	708	410.6 · 434.6
8.3	19.2	7	709	410.2 · 434.3; 410 dbl.
9.8	13.9	7	710	410.6; 434.6
9.1	15.4	7	711	410.3 · 434.3; 410 dbl
9.4	17.9	B	712	77 G=.3 · Hh6H=.3
10.7	10.0	7	713	410.5; 434.v-
10.3	12.1	7	714	410.2 · 434.2; 410 dbl.
10.2	12.8	B	715	77 G=.3
10.9	22.2	7	716	410.5; 434.v-

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November 27, 1892

Plate 5184

r	H	bl.	No Rem	
10.5	24.3	7	717	410.3 ; 434.3
11.3	9.5	7	718	410.3 ; 434.3
11.3	12.7	A	719	Hydrogen lines narrow
11.9	18.6	7	720	410.3 ; 434.3
11.5	23.7	7	721	410.2 ; 434.2
12.3	6.6	7	722	410.2 ; 434.2
12.9	8.1	7	723	410.2 ; 434.2
12.0	8.7	7	724	410.5 ; 434.5
12.2	10.4	7	725	410.5 ; 434.5
12.4	22.6	7	726	410.5 ; 434.5
12.6	23.1	7	727	410.2 ; 434.2
13.6	12.1	7	728	410.6 ; 434.6
13.5	15.0	7	729	410.3 ; 434.3 ; 410 dbl.
14.2	7.0	7	730	410.4 ; 434.4
14.6	10.2	A	731	Spectrum of another Star of Class A superposed
14.6	10.5	7	732	410.6 ; 434.6
14.4	11.3	A	733	Hydrogen lines narrow
15.3	12.2	7	734	410.5 ; 434.5
14.8	13.5	A	735	g & h narrow
15.6	10.6	B	736	77 G=.2
15.4	14.2	7	737	410.3 ; 434.3
16.4	10.1	2	738	Lines narrow Tapparently double? irregular
16.4	18.8	7	739	410.3 ; 434.3
17.9	17.8	A	740	Hydrogen lines narrow
18.6	15.6	7	741	410.4 ; 434.4
18.1	16.6	7	742	410.4 ; 434.4
19.0	16.2	B	743	7γ G=.3; 6 H=.3; β4γ=.5
19.3	11.6	A	744	Hydrogen lines narrow

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November 30, 1892

Plate 5784

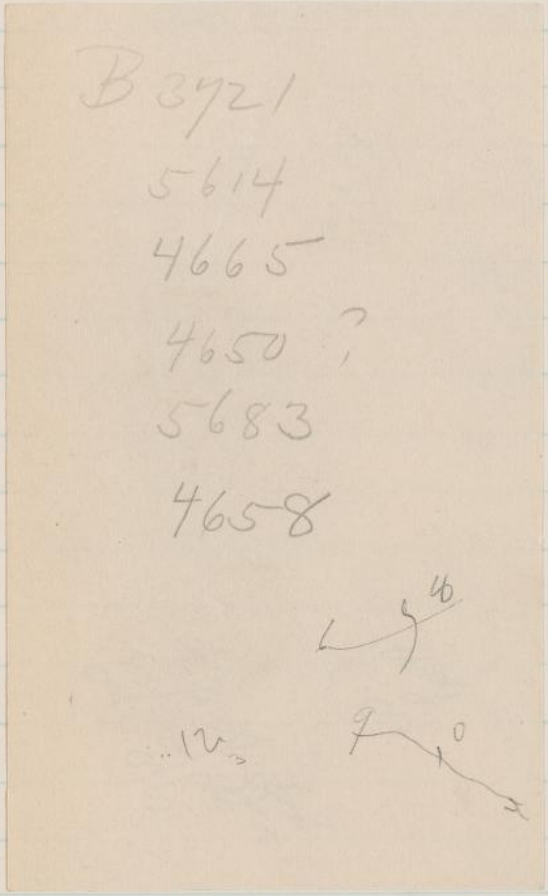
r	H	bl.	Rem.	
20.6	21.9	7	745	410.5 ; 434.5

Plate 3721

4.2	10.8	7	746	410.4 ; 434.4
5.0	19.5	7	747	410.5 ; 434.5
10.7	10.7	7	748	410.4 ; 434.4
12.8	23.4	7	749	410.3 ; 434.3
14.9	21.7	7	750	410.3 ; 434.3
15.8	6.5	7	751	410.3 ; 434.3
16.4	23.5	7	752	410.6 ; 434.6
18.9	19.3	7	753	410.3 ; 434.3
18.3	22.2	7	754	410.4 ; 434.4
20.2	7.3	7	755	410.2 ; 434.2
21.0	23.3	7	756	410.6 ; 434.6
23.5	19.6	7	757	410.3 ; 434.3

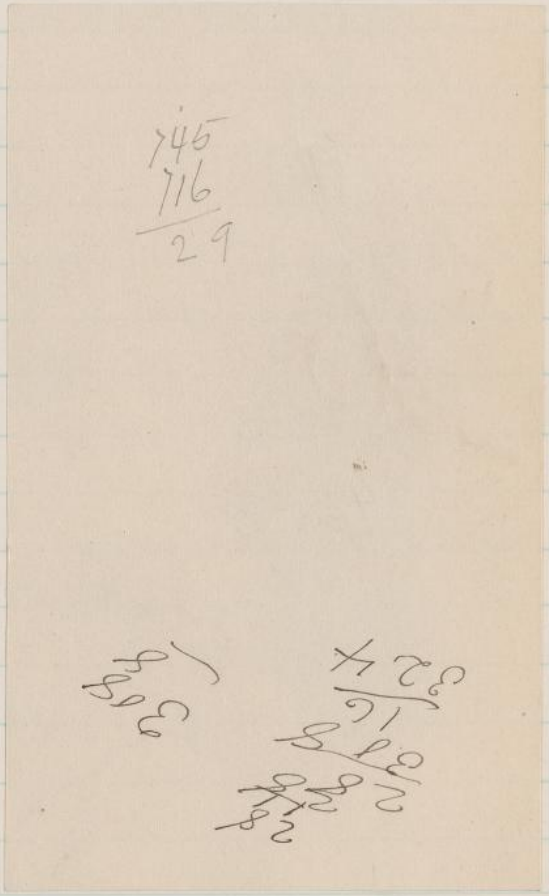
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December 1, 1892.

Plate 5276

	h	m			
5.9	22.2	7	758	410.5	434.5
8.1	16.7	7	759	410.5	434.5
9.4	12.2	7	760	410.4	434.4
10.7	8.6	7	761	410.3	434.3
10.0	9.2	7	762	410.2	434.2
11.7	9.2	7	763	410.5	434.5
12.0	22.9	7	764	410.4	434.4
12.5	11.0	7	765	410.3	434.3
13.4	17.5	7	766	410.3	434.3
15.0	11.2	7	767	410.5	434.5
15.1	12.9	7	768	410.3	434.3
16.3	6.1	7	769	410.6	434.6
17.0	9.1	7	770	410.5	434.5
16.6	16.2	7	771	410.6	434.6
16.8	20.5	7	772	410.5	434.5
18.8	13.9	7	773	410.6	434.6
18.8	14.1	7	774	410.3	434.3
18.2	16.6	7	775	410.2	434.2
18.2	20.4	7	776	410.5	434.5
19.5	11.3	7	777	410.5	434.5
19.8	21.8	7	778	410.5	434.5

Plate 4032

	h	m			
4.7	18.0	7	779	410.2	434.2 ; 410 dbl.
5.8	8.7	7	780	410.3	434.3.
5.5	10.8	7	781	410.2	434.2 ; 410 dbl
5.9	13.5	7	782	410.6	434.6
6.6	13.6	7	783	410.3	434.3

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December 1, 1892

Plate 4032

r	H	bl.	No. Rec.	
6.6	15.7	7	784	410.3 ; 434.3 ; 410 dbl.
7.6	10.6	7	785	410.5 ; 434.5
7.5	13.8	7	786	410.6 ; 434.6
9.0	10.2	7	787	410.3 ; 434.3
9.6	11.4	7	788	410.4 ; 434.4
10.4	10.8	7	789	410.4 ; 434.4
10.8	15.7	7	790	410.2 ; 434.2 ; 410 dbl
10.5	21.2	7	791	410.5 ; 434.5
11.6	6.6	7	792	410.6 ; 434.6
13.2	9.9	7	793	410.6 ; 434.6
15.4	18.6	7	794	410.6 ; 434.6
14.2	22.6	7	795	410.2 ; 434.2
16.0	11.7	7	796	410.2 ; 434.2
17.7	21.3	7	797	410.5 ; 434.5
19.2	18.9	7	798	410.5 ; 434.4
22.2	13.1	7	799	410.2 ; 434.2
23.5	11.1	7	800	410.4 ; 434.4

Plate 5663

6.0	8.4	7	801	410.5 ; 434.5
6.6	11.8	13	802	7 fg=.3 ; h6 H=.3
9.5	8.4	7	803	410.5 ; 434.5
10.4	7.0	7	804	410.4 ; 434.4
10.4	22.7	7	805	410.6 ; 434.6
13.0	7.9	7	806	410.4 ; 434.4
12.1	12.8	7	807	410.2 ; 434.2
14.8	8.2	7	808	410.2 ; 434.2
14.3	12.3	7	809	410.3 ; 434.3

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Plate √663

√	H	bl.	No.	Rem
17.0	11.0	7	810	410.2 ; 434.2 ; 410 dbl.
16.9	15.1	7	811	410.3 ; 434.3
17.8	8.8	7	812	410.4 ; 434.4
17.8	14.3	7	813	410.2 ; 434.2 ; 410 dbl
19.9	20.3	7	814	410.4 ; 434.4
21.4	14.5-	7	815-	410.2 ; 434.2
20.2	18.4	7	816	410.4 ; 434.4
20.5	22.0	7	817	410.5- ; 434.5-
21.9	19.1	7	818	410.4 ; 434.4

Plate √614

8.0	14.4	7	819	410.6 ; 434.6
9.3	10.3	7	820	410.5 ; 434.5-
10.0	17.3	7	821	410.5- ; 434.5-
10.5	10.5-	7	822	410.6 ; 434.6
11.8	0.6	7	823	410.4 ; 434.4
12.0	22.5-	7	824	410.6 ; 434.6
14.0	22.2	7	825-	410.4 ; 434.4
13.6	22.7	7	826	410.6 ; 434.6
16.9	7.5	7	827	410.3 ; 434.2
16.5	23.4	7	828	410.5- ; 434.5-

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Revise remarks preceding this page and correct wavelength "410 dbl." to "434 dbl" as it is the G line which has the companion stars of Cl. 7

December 4, 1892

Plate 4665

H	Cl.	No.	Rem.	
5.3 19.5	7	829		410.5 ; 434.5
6.1 15.8	7	830		410.5 ; 434.5
7.3 6.5	7	831		410.3 ; 434.3
7.8 15.4	7	832		410.5 ; 434.5
7.0 16.0	7	833		410.4 ; 434.4
8.3 12.0	7	834		410.3 ; 434.3 ; ~~434 dbl.~~ 430.3 dbl.
8.5 14.9	7	835		410.4 ; 434.4
9.0 17.9	7	836		410.4 ; 434.4 ; ~~434 dbl.~~ 430.3 dbl.
14.6 10.0	7	837		410.4 ; 434.4
14.2 22.3	7	838		410.2 ; 434.2
17.2 8.6	7	839		410.3 ; 434.3
17.7 15.0	7	840		410.3 ; 434.2
19.7 12.8	7	841		410.5 ; 434.5
19.6 19.8	7	842		410.4 ; 434.4
21.5 12.5	7	843		410.2 ; 434.2
21.3 17.7	7	844		410.2 ; 434.2
24.1 17.0	7	845		410.5 ; 434.5
22.7 20.4	7	846		410.6 ; 434.6

Plate 4650

10.6 9.2	7	847		410.4 ; 434.4
10.5 10.6	7	848		410.5 ; 434.5
13.3 20.4	7	849		410.5 ; 434.5
14.9 16.3	7	850		410.2 ; 430.2 ; 434.2
15.0 17.8	7	851		410.4 ; 434.4
19.9 15.5	7	852		410.2 ; 430.2 ; 434.2
21.2 10.1	7	853		410.2 ; 434.0
23.7 11.2	7	854		410.4 ; 434.4
24.2 20.6	7	855		410.6 ; 434.6

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Plate 5683

T	H	bl.	No.	Rem.	
4,7	18,2	7	856		410,4 ; 434,4
6,9	6,5	7	857		410,4 ; 434,4
10,2	7,4	7	858		410,1 ; 434,1
12,9	11,3	7	859		410,3 ; 430,2 ; 434,3
13,2	9,2	7	860		410,2 ; 434,2
13,1	12,9	7	861		410,5 : 434,5
13,3	23,9	7	862		410,4 ; 434,4
14,7	11,0	7	863		410,2 ; 434,2
14,5	11,9	7	864		410,4 ; 434,4
14,7	21,7	7	865		410,3 ; 434,3
15,8	6,0	7	866		410,4 . 434,4
15,2	12,1	7	867		410,4 ; 434,4
16,0	13,2	7	868		410,5 : 434,5
15,7	13,8	7	869		410,5 ; 434,5
16,2	10,9	7	870		410,4 ; 434,4
16,8	13,2	7	871		410,4 ; 434,4
17,8	16,6	7	872		410,3 ; 434,3
17,4	19,5	7	873		410,5 ; 434,5
19,1	7,0	7	874		410,5 . 434,5
19,4	12,3	7	875		410,2 ; 434,2
19,5	17,1	7	876		410,5 ; 434,5
19,2	22,2	7	877		410,5 . 434,5
21,0	14,1	7	878		410,4 ; 434,4
20,9	14,8	7	879		410,5 ; 434,5
20,5	22,8	7	880		410,6 ; 434,6
22,0	16,2	7	881		410,5 ; 434,5
21,5	18,2	7	882		410,5 ; 4345
22,5	20,1	7	883		410,4 ; 4344

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Plate 5683

r	H	bl.	No.	Rem.		
24.3	18.7	7	884		410.5	434.5
24.7	11.0	7	885		410.4	434.4
24.5	7.6	7	886		410.3	434.3

Plate 4658

7.7	11.1	7	887	410.5	434.5
7.3	23.4	7	888	410.5	434.5
13.5	23.8	7	889	410.3	434.3
15.1	16.5	7	890	410.2	434.2
16.8	20.3	7	891	410.4	434.4
17.0	22.0	7	892	410.2	434.1
19.2	12.1	7	893	410.3	434.2
20.7	20.7	7	894	410.5	434.5
21.1	14.8	7	895	410.2	434.2
21.2	14.9	7	896	410.3	434.3
22.7	15.4	7	897	410.5	434.5
23.5	15.7	7	898	410.5	434.5

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Plate 4660

r	H	lib.	No. Rem.	
3.9	20.5	B	899	7 7 G=.2 · h 6 H=.3
5.7	18.2	7	900	410.3 ; 434.3
8.2	7.3	B	901	7 7 G=.2 ; h 6 H=.3
8.7	9.4	B	902	7 7 G=.1 · h 6 H=.1
9.5	12.1	7	903	410.5 ; 434.5
10.77	13.7	A	904	Spectrum burned out
12.5	8.3	B	905	7 7 G=.2 ; h 6 H=.3
12.4	11.1	B	906	7 7 G=.2 · h 6 H=.3
12.3	17.8	B	907	7 7 G=.1 · h 6 H=.2
12.7	20.7	7	908	410.5 ; 434.5
14.1	7.7	B	909	7 7 G=.1 ; h 6 H=.2
14.4	15.3	B	910	7 7 G=.1 · h 6 H=.2
15.0	22.1	B	910a	7 7 G=.1 ; h 6 H=.2
15.7	8.9	7	911	410.4 ; 434.4
16.0	23.2	7	912	Hydrogen lines narrow
~~16.4~~	~~6.2~~	~~A~~		
16.7	9.6	B	913	7 7 G=.2 · h 6 H=3
16.6	16.7	D	914	7 4 G=.2 · h 6 H=.2 410.6 ; 434.6
16.3	21.7	B	915	7 7 G=.3 · h 6 H=.3
17.8	11.6	B	916	7 7 G=.3 ; h 6 H=.3
19.0	11.8	B	917	7 7 G=.1 · h 6 H=.3
18.9	16.1	B	918	7 7 G=.2 ; h 6 H=.3
19.1	23.2	B	919	7 7 G=.2 ; h 6 H=.3
21.2	12.5	B	920	7 7 G=.2 ; h 6 H=.2
21.6	14.7	7	921	410.5 ; 434.5
22.3	17.9	B	922	7 7 G=.2 ; h 6 H=.3
23.8	17.7	B	923	7 7 G=.2 · h 6 H=.2

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Dec. 5, 1892

Plate 4660

r	H	Cl.	No. Rem	
23.6	18.0	B	924	7 7 G=.1; 2 6 H=.2

Plate 4917

5.4	10.0	7	925	410.3 ; 430.3 ; 434.4 ; 7 7 G=.2
7.4	22.7	7	926	410.4 ; 434.4
9.6	19.0	7	927	410.3 ; 430.3 ; 434.3
9.2	22.1	7	928	410.4 ; 434.4
11.1	15.9	7	929	410.6 ; 434.6
11.3	17.3	7	930	410.5 ; 434.5
11.7	19.2	7	931	410.5 ; 434.5
11.8	21.8	7	932	410.4 ; 434.4
12.8	7.5	7	933	410.3 ; 434.3
12.7	16.5	7	934	410.4 ; 434.4
13.8	5.9	7	935	410.5 ; 434.5
14.8	23.9	7	936	410.3 ; 434.3
14.1	16.2	7	937	410.6 ; 434.6
15.1	9.7	7	938	410.3 ; 434.3
15.4	9.9	7	939	410.5 ; 434.5
16.0	12.4	7	940	410.4 ; 434.4
16.5	15.4	7	941	410.4 ; 430.3 ; 434.4
16.9	20.4	7	942	410.5 ; 434.5
17.6	7.3	7	943	410.2 ; 434.3
17.2	8.3	7	944	410.6 ; 434.6
17.8	15.2	7	945	410.3 ; 434.3
20.0	9.1	A	946	Hydrogen lines very narrow
19.3	10.2	7	947	410.4 ; 434.4
19.3	15.5	7	948	410.2 ; 434.3
20.0	15.6	7	949	410.4 ; 434.4

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Plate 49 V-7

V	H	bl.	No. Rem	
19.9	18.8	7	950	410.3 ; 434.3
19.7	24.0	7	951	410.3 ; 434.3
m.o	9.6	7	952	410.4 ; 434.4

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December 11, 1892

Plate 4948

r	☤	bl.	No. Rem.	
5.5	12.6	7	953	410.4 ; 434.4
6.5	9.9	7	954	410.5 : 434.5
7.7	12.3	7	955	410.0 ; 434.4
8.6	11.3	7	956	410.6 ; 434.6
10.3	6.7	7	957	410.3 ; 434.3
11.3	21.7	7	958	410.4 ; 434.4
12.6	10.3	7	959	410.5 : 434.5
13.5	7.4	7	960	410.5 ; 434.5
13.7	10.5	7	961	410.4 ; 434.4
15.3	12.6	7	962	410.5 ; 434.5
15.6	17.1	7	963	410.6 ; 434.6
18.0	18.2	7	964	410.6 ; 434.6
18.8	18.9	7	965	410.4 ; 434.4
19.8	12.7	7	966	410.2 ; 434.3
20.2	10.2	B	967	779=.2 ; h6H=.2
21.0	13.1	B	968	779=.3 ; h6H=.3

Plate 5167

4.6	15.6	7	969	410.6 ; 434.6
8.3	9.2	7	970	410.2 ; 434.2
9.0	10.3	7	971	410.4 ; 434.4
8.7	15.3	7	972	410.2 ; 434.4
11.9	14.8	7	973	410.4 ; 434.4
11.6	11.9	7	974	410.2 ; 430.2 ; 434.3
11.4	23.2	7	975	410.4 ; 434.4
12.9	20.7	7	976	410.5 ; 434.5
13.5	16.6	7	977	410.2 ; 434.2
14.6	20.3	7	978	410.6 ; 434.6

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Plate 767.

τ	H	Bl.	No. Rem.	
14.9	21.6	A	979	K line double
15.9	13.8	7	980	410.3 ; 430.3 ; 434.4
15.7	16.5	7	981	410.4 ; 434.4
17.0	21.6	7	982	410.2 ; 434.2
16.9	23.5	7	983	410.6 ; 434.6
17.9	11.6	7	984	410.2 ; 434.2
17.5	13.3	7	985	410.5 ; 434.5
19.5	11.3	13	986	77G=.3 ; hδH=.7
19.3	19.1	7	987	410.5 ; 434.5
19.4	20.7	7	988	410.5 ; 434.5
21.8	9.5	7	989	410.3 ; 434.4
22.0	15.0	7	990	410.4 ; 434.4
22.6	11.4	7	991	410.4 ; 434.4
22.0	12.3	7	992	410.4 ; 434.4
24.0	17.5	7	993	410.5 ; 434.5

Plate 768

6.0	11.2	7	994	410.3 ; 434.3
6.6	10.5	7	995	410.5 ; 434.5
8.3	16.9	7	996	410.3 ; 430.3 ; 434.3
8.2	18.6	B	997	77G=.2 ; hδH=.3 ; 34F=.5
8.9	22.2	7	998	410.2 ; 434.3
11.8	10.3	7	999	410.4 ; 434.4
12.7	6.5	7	1000	410.2 ; 434.4
12.9	10.5	7	1001	410.3 ; 434.3
12.6	16.8	B	1002	76G=.2 ; hδH=.3 ; 34F=.4 ; H62=.3
12.6	19.8	7	1003	410.4 ; 434.4
15.1	14.8	7	1004	410.5 ; 434.5

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Dec. 11, 1892.

Plate 5168

r	H	Cl.	No. Rem	
16,7	16,2	7	1005	410,4 ; 434,4
15,9	16,9	7	1006	410,6 ; 434,6
18,7	7,1	7	1007	410,2 ; 434,2
18,5	14,9	7	1008	410,2 ; 434,2
18,7	17,7	7	1009	410,3 ; 430,3 ; 434,3
20,0	13,8	7	1010	410,4 ; 434,4
23,5	13,6	7	1011	410,4 ; 434,5
22,9	17,5	7	1012	410,3 ; 434,3

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January 12 1893

Plate V1190

V	H	Cl.	Nebm.	Description
6.2	13.2	7	1013	410.5 ; 434.5
5.8	13.9	7	1014	410.4 ; 434.4
10.3	7.7	7	1015	410.3 ; 434.3
12.5	9.7	7	1016	410.5 ; 434.5
12.2	21.2	7	1017	410.4 ; 434.4
13.1	16.7	7	1018	410.2 ; 434.2
14.7	9.6	7	1019	410.6 ; 434.6
14.8	13.6	7	1020	410.3 ; 434.3
15.3	10.5	7	1021	410.5 ; 434.5
15.9	15.3	7	1022	410.2 ; 434.2
15.2	17.5	B	1023	7 6½ 9=.2 ; h6 k=.2
15.4	23.5	7	1024	410.2 ; 434.2
19.9	7.4	7	1025	410.6 ; 434.6
21.7	9.6	7	1026	410.5 ; 434.5
22.9	21.4	7	1027	410.6 ; 434.6

Plate 3692

4.8	22.5	7	1028	410.5 ; 434.5
3.6	24.0	7	1029	410.4 ; 434.4
8.0	12.2	7	1030	410.4 ; 434.4
8.1	18.3	7	1031	410.4 ; 434.5
10.1	16.6	7	1032	410.4 ; 434.4
11.4	22.7	7	1033	410.5 ; 434.5
12.6	11.6	7	1034	410.2 ; 434.2 ; 434 dbl
13.9	13.2	7	1035	410.2 ; 434.2
14.7	8.4	7	1036	410.3 ; 434.3
14.7	9.7	7	1037	410.5 ; 434.5
14.5	20.1	7	1038	410.4 ; 434.4

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Plate 3602

r	H	bl	No	Remarks
15.2	13.1	7	1039	410.5 ; 434.5
16.9	16.6	7	1040	410.3 ; 434.3 434 dbl.
22.5	7.3	7	1041	410.4 ; 434.4

Plate 3607

6.2	11.8	B	1042	7 γ G=.3 ; h6 H=.3, β4 γ=.6
6.2	15.9	B	1043	7 γ G=.1 ; h6 H=.1
10.0	16.2	7	1044	410.2 ; 434.2
9.9	17.3	7	1045	410.6 ; 434.6
12.5	14.3	7	1046	410.4 ; 434.4
12.1	15.6	7	1047	410.6 ; 434.6
13.2	16.7	7	1048	410.4 ; 434.4
14.5	18.3	A?	1049	β4 γ ? =.4
16.6	18.0	B	1050	β4 γ ? =.4
16.7	18.3	7	1051	410.2 . 432.2 ; 434.2
18.0	18.4	7	1052	410.3 ; 434.3
18.0	22.4	7	1053	410.3 ; 434.3
20.2	15.7	7	1054	410.5 ; 434.5
23.6	11.3	7	1055	410.4 ; 434.4
23.2	24.2	7	1056	410.2 ; 434.3

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Plate 3679

r	H	Bl.	No. Rem.	Description
4.4	12.5	B	1057	7 7 G=.3 ; h 6 H=.3
4.2	14.1	B	1058	7 7 G=.2 ; h 6 H=.2
10.5	19.4	7	1059	410.2 ; 434.2
11.7	11.9	B	1060	7 7 G=.3 ; h 6 H=.3 ; β 4 γ=.6
12.2	8.1	7	1061	410.5 ; 434.5
12.7	17.0	B	1062	7 7 G=.2 ; h 6 H=.3 ; β 4 γ=.6
13.5	10.0	7	1063	410.2 ; 430.2 ; 434.2
13.1	24.2	7	1064	410.5 ; 434.5
16.0	24.4	7	1065	410.3 ; 434.3
17.5	10.2	B	1066	7 7 G=.1 ?; h 6 H=.1 ?.
19.0	18.8	A	1067	Spectra of another star Bl. A superposed ?
19.5	9.1	B	1068	7 7 G=.2 ; h 6 H=.2.
19.7	12.6	B	1069	7 7 G=.3 ; h 6 H=.3 ; β 4 γ=.6
19.7	19.1	7	1070	410.3 ; 434.3
20.2	17.2	B	1071	7 7 G=.2 ; h 6 H=.2 ; β 4 γ=.5
22.9	10.7	7	1072	410.3 ; 434.3

Plate 3637

5.7	12.7	7	1073	410.2 ; 434.2
6.6	9.6	7	1074	410.6 ; 434.6
7.0	14.0	B	1075	7 7 G=.2 ; h 6 H=.2 ; β 4 γ=.5
7.0	14.2	B	1076	7 7 G=.2 ; h 6 H=.2 ; β 4 γ=.6
7.1	16.2	B	1077	7 7 G=.2 ; h 6 H=.2
7.5	18.6	7	1078	~~7 6 G=.~~ 410.7 ; 434.7
7.2	19.0	A	1079	Spectra of another star of Bl. A superposed
8.0	22.6	7	1080	410.4 ; 434.4
10.0	15.3	?	1081	Spectrum of Neb. or Cl.
10.6	11.8	7	1082	410.5 ; 434.5

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Jan. 13, 1893

Plate 3637

r	H	Cl.	No. Ren.	Descript
12,0	15,0	A	1083	Hydrogen lines narrow
12,0	15,8	A	1084	hydrogen lines narrow
12,3	10,6	7	1085	410,5; 434,5 —
12,6	11,3	B	1086	77 G=.3; h6 H=.3
13,0	12,5	7	1087	410,2; 434,2
12,2	15,5	A	1088	hydrogen lines narrow
12,6	15,7	A	1089	hydrogen lines narrow. Another star superposed?
13,3	13,9	O?	1090	very faint hydrogen lines well marked
13,3	15,7	7	1091	410,5; 434,5
13,2	20,1	7	1092	410,7; 434,7
14,7	6,5	A	1093	hydrogen lines narrow
14,2	12,0	A	1094	hydrogen lines narrow
14,2	12,2	7	1095	410,6; 434,6
14,6	12,3	A	1096	hydrogen lines narrow
14,9	13,2	A	1097	hydrogen lines narrow
14,5	14,7	A	1098	hydrogen lines narrow
14,5	14,8	A	1099	hydrogen lines narrow
15,0	15,0	A	1100	hydrogen lines narrow
15,2	14,6	7	1101	410,5; 434,5 —
15,6	14,8	A	1102	hydrogen lines narrow. Strong in ultra violet
15,9	14,9	7	1103	410,2; 434,2
16,7	8,3	A	1104	hydrogen lines narrow
17,7	9,1	B	1105	77 G=,2; h6 H=,2.
18,0	15,0	7	1106	410,2; 434,2
17,6	18,4	7	1107	410,2; 434,2
17,6	21,3	7	1108	410,4; 434,4
17,2	23,6	A	1109	hydrogen lines narrow
17,2	23,7	A	1110	hydrogen lines narrow

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Plate 3637

v	ℏ	cl.	No. Rem.	Disc.
18.4	13.7	7	1111	410.6; 434.6
19.1	7.6	R	1112	hydrogen lines narrow
19.3	9.3	A	1113	hydrogen lines narrow
21.8	16.8	7	1114	410.7; 434.7
20.9	22.9	A	1115	hydrogen lines narrow
21.8	12.4	7	1116	410.6; 434.6
22.9	20.8	7	1117	410.4; 434.4
23.0	21.9	7	1118	410.6; 434.6
23.6	6.3	A	1119	hydrogen lines narrow
23.1	10.9	7	1120	410.2; 434.3
23.2	11.6	7	1121	410.2; 434.3
23.5	12.9	7	1122	410.2; 434.3

Plate 3676

5.6	15.1	B	1123	~~β~~ β 4 γ =.6
5.2	16.2	B	1124	β 4 γ =.4
7.1	8.2	7	1125	410.4; 434.4
7.9	8.5	7	1126	410.4; 434.4
8.3	9.3	7	1127	410.2; 434.4
8.5	15.3	7	1128	410.6; 434.6
9.1	15.3	7	1129	410.1; 434.2
9.2	19.6	B	1130	β 4 γ =.4
9.4	22.3	A	1131	hydrogen lines narrow
11.8	17.5	7	1132	410.5; 434.5
12.0	21.1	7	1133	410.5; 434.5

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Plate 3646.

r	H	bl.	No. Rem.	Dec.
13.3	6.6	7	1134	410.3 ; 434.3
13.7	7.9	7	1135	410.5 ; 434.5
13.8	16.5	7	1136	410.5 ; 434.5
14.1	12.9	7	1137	410.6 ; 434.6
14.6	20.0	7	1138	410.6 ; 434.6
15.7	9.7	13	1139	77 G=.2 ; h 6 H=.2
15.8	10.2	7	1140	410.5 ; 434.5
15.8	15.7	7	1141	410.5 ; 434.5
15.4	23.2	7	1142	410.2 ; 430.2 ; 434.2
16.9	17.3	7	1143	410.3 ; 434.3
17.5	8.3	7	1144	410.3 ; 434.4
18.0	13.9	7	1145	410.3 ; 434.3
17.4	15.0	7	1146	410.6 ; 434.6
18.5	14.9	7	1147	410.6 ; 434.6
21.0	12.9	7	1148	410.6 ; 434.6
21.4	17.2	7	1149	410.6 ; 434.6

Plate 3932

5.5	13.5	7	1150	410.5 ; 434.5
6.5	9.9	7	1151	410.5 ; 434.5
6.6	13.1	7	1152	410.5 ; 434.5
8.0	15.5	7	1153	410.5 ; 434.5
7.2	15.5	7	1154	410.3 ; 434.3
9.0	8.5	7	1155	410.5 ; 434.5
8.2	23.2	7	1156	410.3 ; 434.3
10.0	10.8	7	1157	410.2 ; 434.2
10.9	14.8	7	1158	410.2 ; 434.2
11.0	18.1	7	1159	410.4 ; 434.4

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Plate 3932

r	H	bl.	No. Rev	Des.
11.9	6.0	7	1160	410.2 ; 434.2 ?
11.9	14.8	7	1161	410.4 ; 434.4
11.2	19.6	7	1162	410.3 ; 434.3
11.6	23.4	7	1163	410.3 ; 434.3
13.0	9.7	7	1164	410.v ; 434.v
12.8	10.2	7	1165	410.5 ; 434.v
13.0	11.7	7	1166	410.5 ; 434.v
13.2	12.6	7	1167	410.6 ; 434.6
14.0	22.6	7	1168	410.6 ; 434.6
14.4	7.0	7	1169	410.5 ; 434.v
14.5	7.1	7	1170	410.5 ; 434.v
14.1	15.7	13	1171	7 G=.2 ; h6 H=.2 ; β4 γ=.5
14.7	16.8	7	1172	410.3 ; 434.3
15.5	8.2	7	1173	410.2 ; 434.2
15.5	11.1	7	1174	410.v ; 434.v
16.0	10.6	7	1175	410.4 ; 434.4
16.0	17.7	8	1176	7 G=.2 ; h6 H=.2
16.3	18.4	7	1177	410.4 ; 434.4
17.0	18.5	7	1178	410.6 ; 434.6
16.5	19.6	7	1179	410.3 ; 434.3
17.8	16.1	7	1180	410.2 ; 434.2
17.4	17.6	7	1181	410.v ; 434.v
15.9	13.8	?	1182	Objective of net or cl. ?
19.8	13.6	7	1183	410.2 ; 434.2
20.0	19.7	7	1184	410.v ; 434.v
19.9	20.1	7	1185	410.6 ; 434.6
19.4	21.8	7	1186	410.6 ; 434.6
20.6	11.9	7	1187	410.v ; 434.v

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Plate 3932

V	H	bl.	No.	Res.	Des.
20,8	12,7	7	1188	410,5	434,5
22,1	18,0	7	1189	410,5	434,5
22,9	18,8	7	1190	410,2	434,3
23,3	14,3	7	1191	410,2	434,2

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January 16, 1893

Plate 393

r	H	bl.	No. Rem.	Desc
4.4	17.7	7	1192	410.2 ; 434.2
6.0	6.7	7	1193	410.2 ; 434.3
5.6	15.3	7	1194	410.4 ; 434.4
7.8	15.0	7	1195	410.2 ; 434.2
8.6	14.8	7	1196	410.2 ; 434.2
10.0	6.2	7	1197	410.2 ; 434.3
10.0	14.7	7	1198	410.3 ; 434.3
9.1	14.8	7	1199	410.4 ; 434.5
9.7	15.2	7	1200	410.2 ; 434.2
9.7	17.4	7	1201	410.5 ; 434.5
10.0	21.3	7	1202	410.5 ; 434.5
11.2	8.4	7	1203	410.3 ; 434.3
10.5	10.0	7	1204	410.5 ; 434.5
11.9	12.5	7	1205	410.4 ; 434.4
12.4	7.6	7	1206	410.5 ; 434.5
12.9	18.2	7	1207	410.4 ; 434.4
12.4	12.7	7	1208	410.5 ; 434.5
13.3	11.3	7	1209	410.2 ; 434.2
16.8	20.0	7	1210	410.2 ; 434.2
18.0	9.2	7	1211	410.4 ; 434.4
18.5	23.2	7	1212	410.4 ; 434.4
19.5	11.3	7	1213	410.5 ; 434.5
19.8	13.4	7	1214	410.4 ; 434.4
20.0	17.2	7	1215	410.5 ; 434.5
19.4	19.5	7	1216	410.2 ; 434.2
21.4	9.5	7	1217	410.5 ; 434.5
22.0	12.7	7	1218	410.3 ; 434.3
23.9	11.6	7	1219	410.5 ; 434.5
23.5	17.5	7	1220	410.5 ; 434.5

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January 16, 1893

Plate 4111

v	H	Cl.	No. Rem.	Dec.
7.6	14.4	7	1221	410.3 ; 434.3
8.5	14.3	7	1222	410.3 ; 434.3
9.6	9.5	7	1223	410.2 ; 434.2
11.7	10.5	7	1224	410.2 ; 430.2 ; 434.2
11.2	19.7	7	1225	410.4 ; 434.4
15.1	8.7	7	1226	410.2 ; 434.2
17.9	22.4	7	1227	410.3 ; 434.3
18.9	10.3	7	1228	410.2 ; 434.2
18.2	20.0	7	1229	410.2 ; 434.2
19.0	21.2	7	1230	410.3 ; 434.3
21.8	14.3	7	1231	410.2 ; 434.2
21.7	19.3	7	1232	410.4 ; 434.4
22.5	19.5	7	1233	410.3 ; 434.3

Plate 4616

5.7	17.1	7	1204	410.6 ; 434.6
6.8	18.4	7	1205	410.6 ; 434.6
9.9	21.5	7	1206	410.4 ; 434.4
10.2	12.0	7	1207	410.4 ; 434.4
15.0	9.5	7	1238	410.4 ; 434.4
14.6	11.2	7	1239	410.3 ; 434.3
17.1	11.9	7	1240	410.5 ; 434.5
16.2	20.0	7	1241	410.5 ; 434.5
18.9	8.2	7	1242	410.2 ; 434.2
20.3	7.6	7	1243	410.6 ; 434.6
20.1	16.6	7	1244	410.5 ; 434.5

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January 22, 1893

Plate 5873

r	H	bl.	No. Rem.	Dec.
8.1	11.5	7	1245	410.5 ; 434.5
10.6	14.6	7	1246	410.5 ; 434.5
12.4	17.3	7	1247	410.2 ; 434.2
12.1	23.0	7	1248	410.5 ; 434.5
13.6	8.9	7	1249	410.2 ; 434.2
14.3	19.0	7	1250	410.3 ; 434.3
17.4	21.0	7	1251	410.3 ; 434.3
18.5	16.5	7	1252	410.5 ; 434.5

Plate 5875

9.0	14.3	7	1253	410.6 ; 434.6
9.6	20.6	7	1254	410.4 ; 434.4
10.0	23.3	7	1255	410.5 ; 434.5
10.5	17.1	7	1256	410.2 ; 434.2
12.0	18.7	7	1257	410.1 ; 434.1
12.6	17.3	7	1258	410.6 ; 434.6
13.2	14.5	7	1259	410.3 ; 434.3
14.9	12.9	7	1260	410.1 ; 434.2
15.3	9.5	7	1261	410.5 ; 434.5
15.6	14.2	7	1262	410.2 ; 434.2
16.3	12.6	7	1263	410.4 ; 434.4
16.2	18.1	7	1264	410.6 ; 434.6
16.9	20.1	7	1265	410.5 ; 434.5
18.0	24.1	7	1266	410.5 ; 434.5
17.5	12.4	7	1267	410.5 ; 434.5
17.3	18.5	7	1268	410.2 ; 434.3
18.3	14.9	7	1269	410.6 ; 434.6

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January 22, 1893.

Plate 5628

v	H	bl.	No. Rem.	Des.
7.9	18.5	7	1270	410.4 ; 434.4
9.0	12.0	7	1271	410.3 ; 430.2 ; 434.3
14.8	16.9	7	1272	410.6 ; 434.6 ; 779=.3
15.0	9.1	7	1273	410.5 ; 434.5
17.6	12.0	7	1274	410.3 ; 430.8 ; 434.3
18.6	6.7	7	1275	410.2 ; 434.2
19.3	14.0	7	1276	410.2 ; 434.3
20.2	15.1	7	1277	410.2 ; 434.3

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Plate 5666

r	☓	ht.	No Ren.	Dec.
4.2	10.5	7	1278	410.2 ; 434.4
8.8	18.5	7	1279	410.4 ; 434.4
10.3	12.6	7	1280	410.4 ; 434.4
12.3	13.0	7	1281	410.2 ; 434.2
12.6	16.2	7	1282	410.6 ; 434.6
12.2	16.6	7	1283	410.3 ; 434.3
13.9	16.4	7	1284	410.2 ; 434.2
14.9	12.0	7	1285	410.5 ; 434.5
16.6	15.0	7	1286	410.6 ; 434.6
16.6	24.2	7	1287	410.2 ; 434.2
18.4	7.0	7	1288	410.4 ; 434.4
19.6	18.5	7	1289	410.6 ; 434.6
20.1	19.6	7	1290	410.2 ; 434.2

Plate 5682

4.7	7.5	7	1291	410.2 ; 434.2
4.2	16.6	7	1292	410.6 ; 434.6
4.7	18.5	7	1293	410.3 ; 434.3
5.0	16.1	7	1294	410.5 ; 434.5
5.9	22.0	7	1295	410.4 ; 434.4
6.3	17.4	7	1296	410.2 ; 434.2
6.5	23.0	7	1297	410.5 ; 434.5
7.9	12.5	7	1298	410.3 ; 434.3
8.4	9.2	7	1297a	410.4 ; 434.4
9.1	7.7	7	1298b	410.2 ; 434.2
9.5	10.8	7	1299	410.2 ; 434.2
10.7	10.0	7	1300	410.3 ; 434.3
11.4	16.0	7	1301	410.7 ; 434.7

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Plate 5682

r	H	Cl.	No. Rem.	Descr.
12.6	6.5	7	1302	410.1 ; 434.2
12.7	8.4	7	1303	410.2 ; 434.2
13.8	8.6	7	1304	410.2 ; 434.2
13.7	14.6	7	1305	410.4 ; 434.4
15.0	18.9	7	1306	410.7 ; 434.7
14.2	20.1	7	1307	410.5 ; 434.5
14.4	20.5	7	1308	410.1 ; 434.2
15.1	8.6	7	1309	410.6 ; 434.6
15.8	12.7	7	1310	410.5 ; 434.5
17.0	17.7	7	1311	410.3 ; 434.3
17.9	8.2	7	1312	410.5 ; 434.5
18.0	15.1	7	1313	410.7 ; 434.7
18.0	19.5	7	1314	410.4 ; 434.4
17.8	19.6	7	1315	410.2 ; 430.2 ; 434.2
19.0	6.7	7	1316	410.2 ; 434.2
18.7	10.7	7	1317	410.4 ; 434.4
18.7	10.9	7	1318	410.2 ; 434.2
18.5	21.7	7	1319	410.7 ; 434.7
18.4	23.0	7	1320	410.4 ; 434.4
20.0	8.4	7	1321	410.4 ; 434.4
20.8	10.8	7	1322	410.7 ; 434.7
20.4	14.1	7	1323	410.2 ; 434.2
21.3	6.8	7	1324	410.3 ; 434.3

Plate 4734

3.8	5.3	7	1325	410.4 ; 434.4
8.0	14.8	7	1326	410.1 ; 434.2
8.1	19.5	7	1327	410.1 ; 434.1

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Jan. 26, 1893.

Plate 4504

r	H	bl.	No. Rem.	Desn.
9.6	15.4	7	1328	410.√; 434.√
10.4	21.6	B	1329	77 G=.2; h 6 H=.2
10.2	16.3	7	1330	410.3; 430.3; 434.3.
11.6	22.9	7	1331	410.7; 434.7
13.2	11.9	7	1332	410.3; 434.3
14.8	23.1	7	1333	410.2; 434.2
16.7	10.7	7	1334	410.√; 434.√
16.7	13.2	7	1335	410.√; 434.√
17.7	9.6	7	1336	410.1; 434.2
18.3	12.1	7	1337	410.1; 434.1
20.9	14.1	7	1338	410.4; 434.4
21.√	6.2	7	1339	410.3; 434.3
21.3	11.0	7	1340	410.2; 434.2

Plate 4523

4.4	17.1	7	1341	410.4; 434.4
6.4	14.1	B	1342	77 G=.2; h 6 H=.2
8.3	11.√	7	1343	410.3; 434.3
8.2	16.2	7	1344	410.2; 434.2
8.9	17.1	7	1345	410.3; 434.3
11.√	12.7	7	1346	410.6; 434.6
12.1	12.6	7	1347	410.1; 434.1
13.5	12.3	7	1348	410.2; 434.2
14.6	11.3	7	1349	410.2; 430.2; 434.2
14.5	16.8	7	1350	410.√; 434.√
16.0	21.1	B	1351	77 G=.1; h 6 H=.2
16.4	9.2	A	1352	Look up on 10m eye pl.
16.3	19.3	7	1353	410.2; 434.2

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Plate 4523.

r	H	bl.	No.	Rem.	Decr.
18,2	10,3	7	1354		410.4 ; 434,4
18,3	13,6	7	1355		410.5 ; 434,5 —
18,8	16,5	7	1356		410.6 ; 434,6
19,3	12,2	7	1357		410.5 ; 434.5 —
22,8	16,9	7	1358		410,5 ; 434,5 —

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Plate 588

r	R	bl.	No. Rem.	Descr.
5.0	8.5	7	1359	410.5 ; 434.5
6.4	16.3	7	1360	410.3 ; 434.3
7.8	12.2	7	1361	410.4 ; 434.4
8.6	15.2	7	1362	410.2 ; 434.2
8.8	22.5	7	1363	410.3 ; 434.3
9.0	21.9	7	1364	410.4 ; 434.4
10.0	10.0	7	1365	410.2 ; 434.2
9.4	23.9	7	1366	410.4 ; 434.4
10.1	11.1	7	1367	410.1 ; 434.1
11.6	11.4	7	1368	410.4 ; 434.4
11.8	16.7	7	1369	410.2 ; 434.2
12.0	19.1	7	1370	410.2 ; 434.2
12.5	12.1	7	1371	410.3 ; 434.3
14.0	13.7	7	1372	410.5 ; 434.5
14.3	7.1	7	1373	410.6 ; 434.6
14.2	7.3	7	1374	410.4 ; 434.4
14.2	11.8	7	1375	410.2 ; 434.2
15.7	14.3	7	1376	410.6 ; 434.6
15.2	16.8	7	1377	410.2 ; 434.2
16.7	17.9	7	1378	410.2 ; 434.2
17.5	6.2	7	1379	410.3 ; 434.3
17.7	12.6	7	1380	410.2 ; 434.2
17.7	17.0	7	1381	410.1 ; 434.1
17.3	20.4	7	1382	410.4 ; 434.4
18.6	12.1	7	1383	410.4 ; 434.4
18.6	22.8	7	1384	410.5 ; 434.5
19.2	16.6	7	1385	410.6 ; 434.6
20.6	22.7	7	1386	410.5 ; 434.5

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Jan. 29, 1893.

Plate 5881

r	H	bl.	Int.	Rem.	Dem.
21,2	12,8	7	1387		410.4 ; 434.4
21,5	14,8	7	1388		410.4 ; 434.4
21,5	21,4	7	1389		410.5 ; 434.5
23,2	7,5	7	1390		410.2 ; 434.2

Plate V270

5.6	16.6	7	1391		410.4 ; 430.4 ; 434.4
7,5	20,8	7	1392		410.6 ; 434.6
9.9	9,3	7	1393		410.5 ; 434.5
10.0	19,8	13	1394		7 G=.1 ; h 6 H=.1 ; β 4 γ=.5
10,4	11,7	7	1395		410.5 ; 434.5
10,4	13,0	7	1396		410.2 ; 434.2
11,1	20,1	7	1397		410.4 ; 434.4
12,5	10,4	7	1398		410.5 ; 434.5
12,8	15,2	7	1399		410.4 ; 434.4
13,6	11,1	7	1400		410.5 ; 434.5
13,8	18,1	7	1401		410.5 ; 434.5
14,3	7,6	7	1402		410.3 ; 434.3
14,5	7,9	7	1403		410.3 ; 434.3
14,1	22,0	7	1404		410.2 ; 434.2
15.0	24,2	A	1405	hydrogen lines narrow	
15.4	6.6	7	1406		410.4 ; 434.4
15.5	11,0	7	1407		410.2 ; 434.2
15,5	12,8	7	1408		410.6 ; 434.6
15,4	12,9	7	1409		410.4 ; 434.4
15,3	17,1	A	1410	hydrogen lines narrow	
15,3	16,7	7	1411		410.5 ; 434.5

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January 31, 1893

Plate 5270

r	H	Sl.	No. Rem.	Dens.
15.4	19.2	7	1412	410.6 ; 434.6
15.9	23.1	7	1413	410.5 ; 434.5
16.5	12.4	7	1414	410.2 ; 434.2
17.0	12.6	7	1415	410.2 ; 434.2
17.0	14.1	7	1416	410.2 ; 434.2
16.3	17.6	7	1417	410.7 ; 434.7
16.9	18.5	7	1418	410.4 ; 434.4
17.7	13.1	7	1419	410.6 ; 434.6
17.6	23.2	7	1420	410.5 ; 434.5
18.5	15.9	7	1421	410.4 ; 434.4
19.5	16.9	7	1422	410.5 ; 434.5
23.6	15.8	A	1423	Hydrogen lines narrow
23.3	18.0	7	1424	410.6 ; 434.6

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January 31, 1893

Plate 3474

r	H	bl.	No. Rem.	Descr.
5.0	N.5	A	1425	Star surrounded with nebulosity
6.1	5.4	7	1426	410.4 ; 434.4
7.0	23.8	7	1427	410.2 ; 434.2
7.2	8.8	BB	1428	7 7 G=.2 ; h 6 H=.2
7.3	9.8	7	1429	410.6 ; 434.6
7.7	18.6	7	1430	410.5 ; 434.5
7.8	21.7	7	1431	410.2 ; 434.2
8.5	13.5	7	1432	410.6 ; 434.6
8.7	15.7	B	1433	7 7 G=.1 ; h 6 H=.2
9.9	9.2	B	1434	7 7 G=.2 ; h 6 H=.3
13.6	11.9	7	1435	410.1 ; 434.1
13.6	15.0	Cont?	1436	Ni lines visible
14.2	14.2	A	1437	hydrogen lines narrow
15.3	13.7	B	1438	7 7 G=.1 ; h 6 H=.2
17.9	16.4	A	1439	hydrogen lines narrow
17.7	19.5	7	1440	410.7 ; 434.7
19.3	10.3	7	1441	410.4 ; 434.4
21.4	13.9	7	1442	410.3 ; 434.3
21.4	15.9	7	1443	410.5 ; 434.5

5.9	13.3	A	1444	Star surrounded with nebulosity
5.6	15.2	7	1445	410.4 ; 434.4
5.7	21.8	B	1446	7 7 G=.2 ; h 6 H=.2
5.7	22.5	A	1447	hydrogen lines narrow
8.0	6.6	B	1448	7 7 G=.2 ; h 6 H=.2
7.9	17.6	7	1449	410.4 ; 434.4
7.9	21.6	7	1450	410.1 ; 434.3

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Jan. 31, 1893

Plate 272

7.1	21.8	7	1457	410.2 ; 434.2
8.1	7.6	7	1452	410.3 · 434.3
8.9	13.9	7	1453	410.6 ; 434.6
8.7	19.5	7	1454	410.2 · 434.2
8.5	23.8	7	1455	410.5 ; 434.5
9.6	13.6	B	1456	7 ; 5 = .2 ; H & K = .2 ; B 4 = .5

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February 3, 1893.

Plate 5272

ν	⌀	bl.	No. Rem.	Descr.
9.9	22.3	7	1457	410.5 - 434.5
9.5	23.5	7	1458	410.4 ; 434.4
10.6	15.8	7	1459	410.2 ; 434.2
11.3	10.5	7	1460	410.5 - 434.5
12.0	7.5	7	1461	410.3 ; 434.3
13.0	21.4	7	1462	410.4 ; 434.4
12.7	22.1	7	1463	410.4 ; 434.4
13.1	17.0	7	1464	410.4 ; 434.4
14.4	9.7	7	1465	410.2 ; 434.2
15.0	12.0	B	1466	779=.1 ; h6H=.1
14.2	18.6	7	1467	410.5 - 434.5
15.8	11.0	7	1468	410.6 ; 434.6
15.9	15.4	7	1469	410.6 ; 434.6
15.6	19.2	7	1470	410.2 ; 434.2
16.1	11.1	7	1471	410.2 ; 434.2
16.2	11.5	B	1472	779=.1 ; h6H=.1
16.7	20.0	7	1473	410.4 ; 434.4
17.4	5.7	7	1474	410.5 - 434.5
17.5	11.7	7	1475	410.4 ; 434.4
17.6	17.2	B	1476	B4γ=.6
18.4	13.0	7	1477	410.6 ; 434.6
18.9	14.2	7	1478	410.6 ; 434.6
18.7	22.6	7	1479	410.1 ; 434.1
20.5	14.1	7	~~1478~~ 1480	410.3 ; 434.3
20.2	20.9	7	1481	410.4 ; 434.2
21.3	21.2	7	1482	410.5 ; 434.5
23.3	21.9	7	1483	410.6 ; 434.6

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Plate 4952

r	H	Bl.	No. Rem.	Decr.
4.3	11.0	B	1484	77 G = .2; h6 H = .3
4.7	11.7	B	1485	77 G = .4; h6 H = .3
4.9	12.3	B	1486	B4 V = .6
5.3	10.2	7	1487	410.6; 434.6
7.0	11.0	7	1488	410.4; 434.4
6.2	11.5	7	1489	410.2; 434.3
7.0	16.0	7	1490	410.4; 434.4
7.3	13.3	7	1491	410.2; 434.2
7.2	21.3	B	1492	77 G = .2; h6 H = .2
8.1	9.0	7	1493	410.4; 434.4
12.7	12.2	4	1494	~~G 7~~ 434 dbl.
12.8	7.2	7	1495	410.5; 434.5
15.0	20.2	7	1496	410.3; 434.3
14.5	22.3	7	1497	410.4; 434.4
16.1	6.7	7	1498	410.7; 434.7
19.4	11.9	7	1499	410.4; 434.4
20.4	12.0	7	1500	410.5; 434.5
20.9	16.6	7	1501	410.5; 434.5
21.6	23.5	7	1502	410.3; 434.3
22.3	13.3	7	1503	410.2; 434.2

Plate 3374

3.9	12.7	7	1504	410.4; 434.4
8.7	12.9	7	1505	410.5; 434.5
1.4	10.8	B	1506	B4 V = .2
15.4	6.7	7	1507	410.1; 434.1
15.4	7.3	7	1508	410.2; 434.2
17.6	9.0	7	1509	410.5; 434.5

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February 7, 1893

Plate 3374

r	H	bl.	No. Rem.	Descr.
20.0	15.2	7	1570	410.5 ; 434.5
20.4	11.5	7	1571	410.4 ; 434.4

Plate 3723

6.5	11.4	7	1572	410.2 ; 434.2
6.2	12.3	7	1573	410.6 ; 434.6
6.4	12.7	7	1574	410.2 ; 430.2 ; 434.2
6.5	12.9	7	1575	410.4 ; 434.4
7.5	7.5	7	1576	410.4 ; 434.4
8.0	14.1	7	1577	410.3 ; 434.3
8.0	16.8	7	1578	410.2 ; 434.2
8.6	7.4	13	1579	779=.2 ; h6H=.2
9.4	11.3	7	1580	410.4 ; 434.4
9.9	17.0	13	1581	779=.1 ; h6H=.3
9.4	21.1	7	1582	410.6 ; 434.6
10.0	23.4	7	1583	410.4 ; 434.4
10.9	15.8	7	1584	410.5 ; 434.5
13.6	15.3	7	1585	410.5 ; 434.5
14.2	19.6	7	1586	410.5 ; 434.5
16.8	13.7	7	1587	410.4 ; 434.4
16.1	17.4	7	1588	410.4 ; 434.4
17.7	12.9	7	1589	410.5 ; 434.5
17.9	14.6	7	1590	410.3 ; 434.3
18.5	7.2	7	1591	410.3 ; 434.3
18.3	14.9	7	1592	410.3 ; 434.3
18.1	22.4	7	1593	410.5 ; 434.5
22.8	6.0	7	1594	410.5 ; 434.5

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February 7, 1894

Plate 3724.

v	H	bl.	No.	Rem.	Descr.
6.5	20.4	7	1535		410.2 ; 434.2
7.8	23.2	4	1536		hydrogen lines narrow
8.3	18.4	7	1537		410.6 ; 434.6
9.1	6.4	7	1538		410.5 ; 434.5 —
9.9	10.3	7	1539		410.2 ; 434.2
9.9	10.7	7	1540		410.5 ; 434.5
10.2	20.9	7	1541		410.5 ; 434.5 —

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February 8 1893.

Plate 3724

h	H	bl	No. Rem.	Descr.
13.9	11.2	7	1542	410.5 ; 434.5
13.1	12.7	B	1543	7 g = .1 ; h 6 H = .2
13.4	13.8	7	1544	410.5 ; 434.5
13.4	20.6	7	1545	410.6 ; 434.6
14.8	12.2	7	1546	410.5 ; 434.5
14.8	20.3	7	1547	410.5 ; 434.5
14.6	21.6	7	1548	410.5 ; 434.5
15.6	9.8	7	1549	410.6 ; 434.6
15.8	11.1	7	1550	410.6 ; 434.6
15.4	23.7	7	1551	410.5 ; 434.5
15.6	24.2	7	1552	410.3 ; 434.3
16.4	15.0	7	1553	410.5 ; 434.5
16.7	16.3	7	1554	410.4 ; 434.4
16.6	16.8	7	1555	410.2 ; 434.2
16.6	18.7	7	1556	410.1 ; 434.X1
18.0	10.4	7	1557	410.6 ; 434.6
17.6	12.2	7	1558	410.5 ; 434.5
18.9	12.1	B	1559	7 g = .1 ; h 6 K = .1 ; β 4 γ = 4
18.9	16.6	7	1560	410.6 ; 434.6
19.6	15.8	7	1561	410.6 ; 434.6
19.2	16.2	7	1562	410.3 ; 434.3
19.9	23.9	7	1563	410.4 ; 434.4
20.2	14.3	7	1564	410.5 ; 434.5
21.0	19.8	7	1565	410.4 ; 434.4
21.9	15.9	7	1566	410.6 ; 434.6
22.5	13.7	7	1567	410.5 ; 434.5
23.2	14.3	7	1568	410.6 ; 434.6
23.8	15.8	7	1569	410.3 ; 434.3

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February 8, 1893

Plate 495

V	H	Bl.	No. Rev.	Descr.
6.0	6.3	7	1570	410.5; 434.5 –
5.4	15.3	4	1571	hydrogen lines narrow
6.4	8.2	7	1572	410.4; 434.4
6.8	13.2	7	1573	410.6; 434.6
7.5	11.1	4	1574	hydrogen line narrow
8.5	9.5	7	1575	410.6; 434.6
8.2	11.0	7	1576	410.5; 434.5
8.4	21.5	7	1577	410.4; 434.4
9.5	11.2	7	1578	410.5; 434.5
9.7	11.7	7	1579	410.5; 434.5 –
9.4	17.0	7	1580	410.2; 434.2
9.4	16.4	7	1581	410.3; 434.3
10.3	13.8	B	1582	749=.2; 779=.3; h6H=.3; B4γ=.8
11.7	6.5	7	1583	410.5; 434.5 –
11.7	7.1	7	1584	410.5; 434.5 –
12.6	16.4	7	1585	410.5; 434.5 –
12.4	18.3	B	1586	779=.2; h6H=.3
13.1	10.4	7	1587	410.6; 434.6
14.8	9.3	7	1588	410.6; 434.6

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February 10, 1893.

Plate 4955

v	H	bl.	No. Rem.	Descr.
15.8	11.1	A	1589	hydrogen lines narrow
15.5	15.1	7	1590	410.5; 434.5—
16.9	6.7	7	1591	410.5; 434.5—
17.6	20.2	7	1592	410.4; 434.4
18.8	6.5	7	1593	410.5; 434.5 —
18.4	7.3	7	1594	410.5; 434.5—
21.0	9.7	7	1595	410.4; 434.4
20.5	13.9	7	1596	410.3; 434.3
22.8	18.2	7	1597	410.5; 434.5—

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February 13, 1893.

Plate 467

ν	H	Cl.	No. Rem.	Decen.
3,8	10,6	7	1598	410,3 ; 434,3
4,2	19,9	7	1599	410,2 ; 434,2
5,4	9,7	7	1600	410,5 ; 434,5
6,1	10,0	7	1601	410,1 ; 434,1
6,8	10,2	7	1602	410,5 ; 434,5
8,0	21,2	7	1603	410,4 ; 434,4
8,6	19,6	7	1604	410,2 ; 434,2
9,5	25,7	7	1605	410,4 ; 434,4
10,4	9,1	7	1606	410,5 ; 434,5
11,8	16,4	7	1607	410,3 ; 434,3
11,9	17,9	7	1608	410,2 ; 434,2
13,9	9,6	7	1609	410,1 ; 434,1
13,2	11,0	7	1610	410,2 ; 434,2
13,8	12,5	7	1611	410,2 ; 434,2
13,6	19,7	7	1612	410,4 ; 434,4
13,4	19,9	7	1613	410,1 ; 434,1
15,0	7,9	7	1614	410,1 ; 434,1
14,7	13,7	7	1615	410,2 ; 434,2
14,6	19,7	7	1616	410,4 ; 434,4
14,6	20,5	7	1617	410,2 ; 434,2
15,2	7,7	7	1618	410,3 ; 434,3
15,4	18,8	7	1619	410,5 ; 434,5
15,9	23,7	7	1620	410,4 ; 434,4
17,0	17,5	7	1621	410,5 ; 434,5
17,4	10,9	7	1622	410,5 ; 434,5
18,4	17,5	7	1623	410,1 ; 434,1
18,7	21,6	7	1624	410,2 ; 434,2
19,5	19,0	7	1625	410,2 ; 434,2

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Feb. 13, 1893.

Plate 4675

r	H	bl.	No. Rev.	Descr.
20,6	17,2	7	1626	410,3 ; 434,3
21,0	20,0	7	1627	410,2 ; 434,2
20,7	21,2	7	1628	410,4 ; 434,4
20,5	22,6	7	1629	410,5 ; 434,5
24,3	11,0	7	1630	410,5 ; 434,5

Plate 3695

4,8	7,1	7	1631	410,6 ; 434,6
5,0	20,3	7	1632	410,2 ; 434,2
5,4	7,5	7	1633	410,5 ; 434,5
5,9	12,1	B	1634	77 G=,3, h6H=,4, β4γ=,6
5,1	13,7	B	1635	77 G=,3 ; h6H=,4
7,0	11,1	7	1636	410,5 ; 434,5
6,2	18,3	7	1637	410,5 ; 434,5
8,2	13,2	7	1638	410,2 ; 430,2 ; 434,2
10,0	10,5	B	1639	77 G=,2 ; h6H=,2
9,9	11,0	7	1640	410,5 ; 434,5
9,7	13,4	7	1641	410,4 ; 434,4
9,7	17,7	7	1642	410,4 ; 434,4
11,0	11,0	7	1643	410,4 ; 434,4
16,4	13,1	B	1644	77 G=,2 ; h6H=,4
10,5	15,0	B?	1645	β4γ=,4
11,0	18,4	7	1646	410,2 ; 434,2
11,8	12,8	7	1647	410,2 ; 434,2
11,3	24,1	7	1648	410,4 ; 434,4
12,6	19,2	7	1649	410,3 ; 434,3
13,2	11,6	7	1650	410,1 ; 434,2
14,3	13,5	7	1651	410,5 ; 434,5

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Feb. 13, 1893.

Plate 3695

r	H	bl.	Nebn.	Descr
14,6	21,2	7	1652	410,2; 4034,2
14,8	21,6	7	1653	410,5; 4034,5
14,9	24,6	7	1654	410,5; 4034,5
16,1	7,1	7	1655	410,6; 4034,6
16,5	10,8	7	1656	410,4; 4034,4
16,4	23,5	7	1657	410,6; 4034,6
17,6	6,4	7	1658	410,4; 4034,4
17,8	14,8	7	1659	410,2; 4034,2
18,3	17,5	?	1660	Spectrum of nebula
18,3	20,4	B	1661	77 G=,1; hδH=,2
19,4	12,2	7	1662	410,2; 4034,3
22,4	7,1	7	1663	410,5; 4034,5
22,8	11,5	7	1664	410,6; 4034,6
22,0	22,1	7	1665	410,2; 4034,4
23,4	19,2	7	1666	410,6; 4034,6

Plate 4038

7,6	22,2	7	1667	410,5; 4034,5
16,8	23,4	7	1668	410,5; 4034,5
10,3	5,0	7	1669	410,5; 4034,5
11,2	14,0	B	1670	+7=,3; 77 G=,2; hδH=,3; Bγ1=,6
12,9	7,3	7	1671	410,2; 4034,2
14,7	9,6	7	1672	410,2; 4034,2
14,4	12,9	7	1673	410,2; 4034,2
18,4	9,2	B	1674	77 G=,2; hδH=,3
19,4	14,1	7	1675	410,5; 4034,5
19,7	22,1	7	1676	410,4; 4034,4
21,8	11,3	7	1677	410,2; 4034,2
23,1	16,8	B	1678	

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Plate 3933

23 √0

r	H	bb.	No. Rem.	Descr.
✗5.7	9.4	7	1679	410.6, 434.6.
√.6	10.2	7	1680	410.2 : 434.2
√√	12.3	7	1681	410.4 : 434.4
√.2	17.0	7	1682	410.√ : 434.√
6.9	11.1	7	1683	410.√ : 434.√
6.9	13.9	13	1684	77 G=.3 ; h6 H=.3, H6[illegible]=.3
6.2	16.0	7	1685	410.2 ; 434.4
6.1	16.9	7	1686	410.3 ; 434.3
7.6	7.3	7	1687	410.3 ; 434.3
9.1	22.√	7	1688	410.4 ; 434.4
10.3	9.9	7	1689	410.√ : 434.√
11.6	9.7	7	1690	410.2 ; 434.2
11.4	12.7	7A	1691	Lines 410 & 434 slightly narrow
11.√	20.0	7	1692	410.4 ; 434.4
11.7	22.2	7	1693	410.√ : 434.√
14.0	9.1	7	1694	410.4 ; 434.4
13.3	15.7	7	1695	410.√ : 434.√
13.2	21.0	7	1696	410.1 ; 434.1
14.6	10.6	7	1697	410.2 : 434.2
14.2	18.8	7	1698	410.2 : 434.2
14.3	23.8	7	1699	410.√ : 434.√
√.2	6.6	7	1700	410.4 : 434.4
16.0	18.6	7	1701	410.2 ; 430.4 · 434.4
17.√	10.1	7	1702	410.√ : 434.√
16.7	13.8	7	1703	410.2 ; 434.2
17.2	23.0	7	1704	410.2 ; 434.2
18.7	✗6.5	7	1705	410.4 ; 434.4
19.0	13.9	7	1706	410.√ ; 434.5

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May 14, 1893.

Plate 3933

T	H	bl.	No. Rev.	Descr.
18,3	21,1	7	1707	410.√; 434,5.
18,4	22,0	7	1708	410.2; 434,2
19,√	10,6	7	1709	410.6; 434,6
22,1	11,8	7	1710	410,4; 434,4

Plate 4482

7,0	23,6	7	1711	410,2; 434,2
14,8	12,3	7	1712	410.√; 434,5
15,4	x5,5	7	1713	410,4; 434,4
15,7	9,4	7	1714	410,√; 434,√
16,0	12,1	7	1715	410,2; 434,4
17,3	9,1	7	1716	410,2; 434,2
17,3	17,7	7	1717	410,2; 434,2

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May N. 1893

Plate V 712

V	H	bl.	No. Rem.	Descr.
V.3	20.5	7	1718	410,7 ; 434,7
7.0	10.3	7	1719	410.4 ; 434,4
6.3	11.4	7	1720	410,V ; 434,V
7.9	8.5	7?	1721	410,1 ; 430,6 ; 434,2.
7.2	11.1	7	1722	410,3 ; 434,3
10.9	6.2	7	1723	410,2 ; 434,2
10.7	16.7	7	1724	410.2 ; 434,2
12.4	10.2	7	172V	410,3 ; 434,3
12.6	11.7	7	1726	410,2 ; 434,2
12.V	14.6	7	1727	410,1 ; 434,1
12.4	22.7	7	1728	410,1 ; 434,2
13.8	18.2	7	1729	410.4 ; 434,4
16.0	12.9	7	1730	410,1 ; 434,1
15.4	19.3	7	1731	410,6 ; 434,6
16.6	6.4	7	1732	410,V ; 434,V
16.9	15.6	7	1733	410,V ; 434,V
17.0	14.8	7	1734	410,2 ; 434,2
18.0	6.6	7	173V	410,4 ; 434,4
~~17.V~~ 18.0	14.1	7	1736	410,V ; 434,V
17.1	17.9	7	1737	410.5 ; 434,5
17.7	19.2	7	1738	410,V ; 434,V
18.6	10.2	7	1739	410,6 ; 434,6
18.V	17.3	7	1740	410,6 ; 434,6
19.V	11.0	7	1741	410,V ; 434,V
23.9	15.9	7	1742	410,6 ; 434,6

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May IV, 1893

Plate 5584

r	H	bl.	No. Rem.	Deser.
6.5	9.4	7	1743	410.6 : 434.6
6.7	11.6	7	1744	410.4 : 434.4
7.5	13.2	7	1745	410.2 : 434.2
8.2	16.3	7	1746	410.4 : 434.4
9.0	17.8	A	1747	76½ 5 = .2
10.0	16.7	7?	1748	410.1 : 430.3 ; 434.1 (bet bl. 7 & 9).
9.9	17.3	9?	1749	bet bl. 7 & 9.
14.5	21.0	7	1750	410.3 ; 434.3
20.5	6.1	7	1751	410.3 ; 434.3
22.1	6.0	7	1752	410.5 ; 434.5

Plate 4042

6.3	8.9	7	1753	410.6 : 434.6
7.9	10.5	A	1754	410 8 434 narrow
7.9	15.7	7	1755	410.4 ; 434.4
7.5	16.8	7	1756	410.6 ; 434.6
8.5	16.0	7	1757	410.2 : 434.2
10.4	9.8	7	1758	410.4 ; 434.4
11.0	10.1	7	1759	410.2 : 434.2
10.8	22.7	9?	1760	bet Sp. 9 & d
12.7	16.4	9?	1761	bet Sp. 9 & H
14.7	15.2	7	1762	410.2 : 434.2
15.3	20.9	7	1763	410.3 ; 434.3
17.2	12.0	7	1764	410.4 ; 434.4

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May 17 1893

Plate 498 ~~458~~

	r	H	bl.	No. Rem.	Descr.
23 25	5.1	6.1	7	1765	410.2 ; 434.2
	4.8	7.7	7	1766	410.3 ; 434.3
	5.6	11.5	7	1767	410.4 ; 434.4
	5.4	14.7	B	1768	7 7 G' =.2 ; h 6 H =.2
	5.2	15.5	B	1769	B 4 f =.5
	5.1	15.6	B	1770	7 6½ G =.3 ; h 6 H =.3, B 4 f =.4
	8.0	16.7	7	1771	410.6 ; 434.6
	7.2	20.6	7	1772	410.3 ; 434.3
	9.9	9.7	B?	1773	7 6½ G =.2 ? Hydrogen lines narrow and bright-edged
	10.8	11.3	A	1774	Hydrogen lines narrow
	10.6	12.5	A	1775	Hydrogen lines narrow
	10.5	12.6	A	1776	Hydrogen lines narrow
	10.7	13.2	A	1777	Hydrogen lines narrow
	10.9	15.0	A	1778	Hydrogen lines narrow
	11.4	6.7	7	1779	410.6 ; 434.6
	11.2	9.8	A	1780	Hydrogen lines narrow
	11.5	10.4	A	1781	Hydrogen lines narrow
	11.9	16.5	B	1782	7 6½ G =.1 ; h 6 H =.1
	12.0	19.0	7	1783	410.6 ; 434.6
	13.0	8.4	Q	1784	Hydrogen lines, narrow and apparently bright on edge of greater width. 9 2 h =.9. G 6½ h =.9
	13.1	8.9	Q	1785	No regular system of lines.
	~~12.2~~	~~9.6~~	~~A~~		Bright line (7) suspected
	12.2	9.6	A	1786	Hydrogen lines narrow
	12.4	13.2	A	1787	Hydrogen lines narrow
	13.0	16.3	7	1788	410.6 ; 434.6

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May 17, 1893

Plate 4958

V	H	bl.	No. Rem	Descr.
13.1	6.9	A	1789	Hydrogen lines narrow
13.4	7.7	A	1790	Hydrogen lines narrow
13.6	9.0	A	1791	Hydrogen lines narrow
14.0	9.7	A	1792	Hydrogen lines narrow
13.9	10.0	B	1793	$\frac{1}{2}$76 G = V · h6 H = .7
13.2	13.0	A	1794	Hydrogen lines narrow
13.5	14.4	A	1795	Hydrogen lines narrow.
14.0	14.5	A	1796	H6 L = .7
13.9	15.3	A	1797	Hydrogen lines narrow
14.5	8.2	B	1798	H6 H = 2 ; β2 J = .4
14.5	8.4	A	1799	Hydrogen lines narrow
14.3	10.5	A	1800	Hydrogen lines narrow.
14.5	10.9	A	1801	Hydrogen lines narrow
14.2	14.6	A	1802	Hydrogen lines narrow
14.9	15.4	Q	1803	Spectrum Continuous
14.9	15.6	Q?	1804	Continuous Spectrum?
15.0	18.3	7	1805	410.2 ; 434.2
14.6	19.3	7	1806	410.4 ; 434.4
15.2	15.2	7	1807	410.4 ; 434.4
15.5	15.9	A	1808	Hydrogen lines narrow (and bright iron edge of greater wavelength
16.4	17.3	A	1809	Hydrogen lines narrow (and bright iron edge of greater wavelength.

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Plate 4958

$0^h\ 0^m$				
	V	H	Nebl. No. Rem.	Descr.
	16.5	20.4	F 1810	410.6 ; 434.6
	17.8	11.3	B 1811	76½ G=.2 ; h6 H=.3
	17.4	13.4	A 1812	Hydrogen lines narrow
	17.1	13.5	A 1813	Hydrogen lines narrow
	17.5	17.9	A 1814	Hydrogen lines narrow
	17.4	17.6	A? 1815	Hydrogen lines narrow
	17.4	17.7	A? 1816	Hydrogen lines narrow
	17.4	17.8	A? 1817	Hydrogen lines narrow
	17.4	18.2	A 1818	Hydrogen lines narrow
	18.6	19.1	F 1819	410.5 ; 434.5
	18.3	20.0	F? 1820	410.3 ; 434.3 ; 434 bright on edge of greater wavelength. Traces of other lines.
	19.6	8.9	A? 1821	Hydrogen lines narrow
	19.3	13.3	A 1822	Hydrogen lines narrow
	19.2	14.7	A 1823	Hydrogen lines narrow
	19.3	17.1	B 1824	76½ G=.2 ; h6 H=.2 ; 3.4 J=.4
	19.5	19.2	B 1825	76½ G=.2
	20.4	22.6	F 1826	410.5 ; 434.5
	23.0	10.4	F? 1827	410.6 ; 434.6
	22.5	16.9	G? 1828	(Spectrum superposed on that of
	23.4	23.9	B 1829	76½ G=.3, h6 H=.3 and hand to determine class.

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May 21, 1893

23 20 Plate 3060

v	H	bl.	No. Rems.	Descr.
7.8	23.7	7	1830	410.3 ; 434.3
9.4	10.6	7	1831	410.5' ; 434.5
9.4	22.5	7	1832	410.5' ; 434.5
10.9	10.0	7	1833	410.3 ; 434.3
10.0	11.9	7	1834	410.4 ; 434.4
12.8	9.7	7	1835	410.5 ; 434.5
11.7	11.7	7	1836	410.4 ; 434.4
11.8	14.2	7	1837	410.5' ; 434.5
13.3	10.7	7	1838	410.3 ; 434.3
13.4	11.2	7	1839	410.2 ; 434.2
15.5	15.7	7	1840	410.2 ; 434.2
17.7	22.5	7	1841	410.4 ; 434.4
20.2	18.0	7	1842	410.5' ; 434.5

Plate 3685

10.9	8.5	7	1843	410.2 ; 434.2
10.3	12.3	7	1844	410.6 ; 434.6
13.8	11.9	7	1845	410.2 ; 434.2
14.5	16.1	7	1846	410.4 ; 434.4
21.0	13.5	7	1847	410.3 ; 434.3
20.0	17.5	7	1848	410.2 ; 434.2

Plate 3566

5.0	13.9	Q	1849	410 and 434 narrow; several other lines seen Bright.
4.8	16.0	Q	1850	bet Cls 4 and M
4.3	16.7	B	1851	76½ b=.2 . bb Ha 2
5.9	5.7	7	1852	410.5 ; 434.5

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Plate 3566

v	H	bl.	No.	Rem.	Descr.
6.0	9.8	B	1853		76½ G=,2 ; h 6 H=,2
6.5	8.9	7	1854		410.5 ; 434.5
7.0	14.1	7	1855		410.7 ; 434.7 ; B 6 γ=.1+3 ; δ 6 ε=,3.
8.0	12.0	B	1856		76½ G=,2 ; h 6 H=,3
9.0	12.2	17	1857		410.6 ; 434.6
9.4	15.2	7	1858		410.5 ; 434.5
11.2	7.4	7	1859		410.2 ; 434.2
13.0	10.8	B	1860		76½ G=,3 ; h 6 H=,3
12.8	15.2	B	1861		B 4 γ=.4
13.6	14.1	7	1862		410.3 ; 434
13.9	23.8	?	1863	Continuous ;	No lines visible
18.5	21.9	7	1864		410.4 ; 434.4

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May 22, 1893

Plate 5623

v	H	bl.	No. Rem.	Descr.
5.8	15.6	7	1865	410.6 · 434.6
6.6	7.5	7	1866	410.6' · 434.6
7.7	1.5	7	1867	410.5' · 434.5
7.7	10.7	7	1868	410.5' · 434.5
7.1	15.2	13	1869	76½ 1g=.2 · h6H=.2 · β4γ=.5
10.9	20.2	7	1870	410.5' · 434.5
11.8	12.2	7	1871	410.6' · 434.6
13.5	6.8	7	1872	410.5' · 434.5
13.4	19.6	7	1873	410.4' · 434.4
14.7	15.9	7	1874	410.6' · 434.6
15.4	17.5	7	1875	410.5' · 434.5
~~17.8~~	~~20.3~~	7	1876	410.4' · 434.4
21.1	5.5	7	1877	410.4' · 434.4

Plate 5581

4.5	9.8	7	1878	410.4' · 434.4
7.2	14.7	7	1879	410.3' · 434.3
8.1	15.1	7	1880	410.5' · 434.5
9.6	10.5	7	1881	410.3' · 434.3
9.5	15.8	7	1882	410.2' · 434.2
12.8	8.5	7	1883	410.2' · 434.2
12.8	10.4	7	1884	410.2' · 434.2
12.3	13.1	7	1885	410.2' · 434.2
15.0	6.5	7	1886	410.4' · 434.4
17.0	10.9	7	1887	410.2' · 434.2
20.9	9.4	7	1888	410.2' · 434.4

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Plate 6507.

r	H	Bl.	No. Rem.	Descr.
5.2	20.2	7	1889	410.2 ; 434.2
5.8	20.9	7	1890	410.2 ; 434.2
6.2	8.1	7	1891	410.2 ; 434.2
6.9	19.6	7	1892	410.6 ; 434.6
6.3	20.0	7	1893	410.2 ; 434.2
7.4	19.2	7	1894	410.4 ; 434.4
8.0	21.4	7	1895	410.5 ; 434.5
7.4	22.1	7	1896	410.4 ; 434.4
9.1	18.2	7	1897	410.3 ; 434.3
10.4	19.2	7	1898	410.2 ; 434.2
12.0	9.9	7	1899	410.2 ; 434.2
11.2	11.6	7	1900	410.6 ; 434.6
11.5	16.1	7:	1901	410.1 ; 434.2
11.9	17.6	7	1902	410.1 ; 434.2
12.7	.5.8	7	1903	410.2 ; 434.2
15.3	16.6	7	1904	410.2 ; 434.2
17.6	15.0	7	1905	410.2 ; 434.3
18.5	13.2	7	1906	410.5 ; 434.5
18.4	19.3	7	1907	410.4 ; 434.4
19.6	20.9	7	1908	410.3 ; 434.3
20.8	8.5	7	1909	410.2 ; 434.2
22.4	14.4	7	1910	410.5 ; 434.5
23.3	11.3	7	1911	410.4 ; 434.4

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Plate 4828.

γ	H	bl.	No. Rem.	Descr.
7,0	8,5	7	1912	410.1 ; 434.3
~~H~~7,8	18,9	7?	1913	410.4 · 434.4
~~H~~8,8	20,6	B	1914	7 6½ G=.3 ; h6 H=.3
8,0	15,7	B	1915	7 6½ G=.3 ; h6 H=.3 · B4 V=.5
7,7	16,0	B	1916	7 3½ G=.2 ; 7 6½ G=.2 ; h6 H=.3
9,2	19,7	B?	1917	7 7 G=.1 ; h6 H=.1
11,8	14,3	7	1918	410.3 ; 430.3 ; 434.3

Plate 4313

9,3	21,0	7	1919	410.1 ; 434.2
10,8	19,2	7	1920	410.1 ; 434.2
12,3	6,5	7	1921	410.2 · 434.4
14,5	18,8	7	1922	410.3 ; 430.3 ; 434.3
15,7	13,7	4	1923	9 0h slightly narrow
15,3	22,7	7	1924	410.2 ; 434.2
16,3	15,6	7	1925	410.3 ; 434.3
1 00 16,2	17,1	7?	1926	410.2 ; 434.2

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Plate 5897

	V	H	Bl.	No.	Rem.	Descr.
O	6.1	13.1	7	1927		410.6 ; 434.6
	7.6	12.1	7	1928		410.2 ; 434.2
	9.0	16.0	7	1929		410.2 ; 434.2
	10.0	18.7	7	1930		410.2 ; 434.2
	11.5	8.1	7	1931		410.4 ; 434.4
	11.8	9.8	7	1932		410.4 ; 434.4
	12.1	7.9	7	1933		410.4 ; 434.4
	16.9	12.5	7	1934		410.6 ; 434.6
	16.3	15.0	7	~~1935~~		410.2 ; 430.2 ; 434.2
	17.5	8.2	7	1936		410.4 ; 434.4
	18.4	20.2	7	1937		410.2 ; 434.2
	20.0	17.1	7	1938		410.3 ; 434.3
	19.8	18.9	7	1939		410.4 ; 434.4
	22.6	6.7	7	1940		410.4 ; 434.4
	23.2	21.3	7?	1941		410.6 ; 434.6

Plate 4487

6.4	22.8	7	1942		410.6 ; 434.6
8.6	14.6	7	1943		410.2 ; 434.2
11.5	14.9	7	1944		410.2 ; 430.2 ; 434.2
13.0	20.6	7	1945		410.6 ; 434.6
14.5	19.9	7	1946		410.4 ; 434.4
17.5	15.8	7	1947		410.2 ; 434.2
18.4	13.0	A			
18.5	13.0	A	1948		Spectra Superposed
20.0	17.6	7	1949		410.5 ; 434.5
22.4	10.6	7	1950		410.2 ; 434.3
23.3	15.3	7	1951		410.3 ; 434.3
23.7	15.8	7	1952		410.5 ; 434.5

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May 24, 1893

Plate 4684

V	H	M.	No.	Rem.	Descr.
9,9	10,5	7	1953		410,5 ; 434,5
8,5	12,7	7	1954		410.6 ; 434.6
12,7	12,2	7	1955		410,5 ; 434,1
14,0	14,4	7	1956		410.2 ; 434.2
14,4	7,9	7	1957		410.2 ; 434.2
15.0	12,3	7	1958		410.2 ; 434.2
14,4	21,6	7	1959		410.1 ; 434.1
15,7	9,4	7	1960		410.2 ; 434.2
16.0	11,1	7	1961		410.2 ; 434.2
16,0	13,0	7	1962		410.2 ; 434.2
17,8	16,6	7	1963		410.2 ; 434.2
17,1	20,2	7	1964		410.1 ; 434.1
18,2	6,9	7	1965		410.2 ; 434.4
1 10	19,0	10,7	7	1966	410,2 ; 434,2

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Plate 4684

		h	M	Bk.	No.	Rem.	Descr.
11	00	19.8	7.5	7	1967		410.2 ; 434.2
		21.8	18.8	7	1968		410.4 ; 434.4
		21.4	22.0	7	1969		410.3 ; 434.3
		21.3	23.5	7	1970		410.2 ; 434.2
		22.8	8.5	7	1971		410.3 ; 434.3

Plate 4685

6.2	20.8	7	1972		410.4 ; 434.4
10.7	8.2	7	1973		410.4 ; 434.4
11.8	6.7	7	1974		410.7 ; 434.7
12.9	14.0	7	1975		410.2 ; 434.2
14.7	14.9	7	1976		410.6 ; 434.6
15.7	13.7	7	1977		410.1 ; 434.1
17.5	13.4	7	1978		410.5 ; 434.5
20.7	10.5	7	1979		410.4 ; 434.4
20.7	20.3	7	1980		410.4 ; 434.4
20.3	21.7	7	1981		410.2 ; 434.2

Plate 4686

4.3	22.0	7	1982		410.4 ; 434.4
6.5	14.7	7	1983		410.5 ; 434.5
6.5	19.4	7	1984		410.4 ; 434.4
6.9	19.6	7	1985		410.7 ; 434.7
6.9	22.6	7	1986		410.2 ; 434.2
7.9	20.2	7	1987		410.6 ; 434.6
8.8	19.6	7	1988		410.3 ; 434.3
9.2	16.6	7	1989		410.2 ; 434.2
10.2	8.6	7	1990		410.3 ; 434.3
12.7	17.4	7	1991		410.4 ; 434.4

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Plate 4686

v	H	bl.	No. Rem.	Dess.
14.4	17.5	7	1992	410.3 ; 434.3
17.1	17.4	7	1993	410.3 ; 434.3
17.4	21.7	7	1994	410.4 ; 434.4
20.2	8.7	7	1995	410.2 ; 434.2
20.3	10.8	7	1996	410.5 ; 434.5
21.6	10.4	7	1997	410.6 ; 434.6
23.6	17.0	7	1998	410.4 ; 434.4

Plate 5871

7.0	8.6	7	1999	410.5 ; 434.5
6.3	8.8	7?	2000	410.7 ; 434.7
7.5	15.5	7	2001	410.4 ; 434.4
9.8	9.7	7	2002	410.4 ; 434.4
10.9	6.9	HA	2003	Hydrogen lines narrow
11.9	12.6	7	2004	410.4 ; 434.4
12.7	17.4	7	2005	410.2 ; 434.2
13.8	12.6	7	2006	410.4 ; 434.4
15.0	11.3	7?	2007	410.6 ; 434.6
15.7	8.7	B	2008	761/2 'g=.2 ; wb H=.2
15.6	13.9	7	2009	410.4 ; 434.4
16.5	6.9	A	2010	Spectrum of another star superposed?
16.3	7.2	A	2011	Hydrogen lines narrow
17.0	8.6	7G	2012	H10.4 ; 434. Other lines
16.9	10.0	7	2013	410.7 ; 434.7
17.0	16.4	7	2014	410.5 ; 434.5
16.7	18.0	7	2015	410.4 ; 434.4
16.8	19.2	7	2016	410.3 ; 434.3
17.2	7.3	7	2017	410.5 ; 434.5

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May 24, 1893

Plate 871

V	H	bl.	No. Rem.	Descr.
19.4	14.3	A	2018	Hydrogen line narrow
19.4	14.4	A	2019	Hydrogen line narrow
19.4	14.5	A	2020	Hydrogen line narrow
19.3	22.7	7:	2021	410.6; 434.6
20.4	8.0	A	2022	Hydrogen line narrow
20.5	21.0	7	2023	410.5; 434.5
22.6	22.5	7	2024	410.2; 434.2
23.7	17.3	B	2025	76½ G=2; N.6 H=12
24.1	12.2	7	2026	410.3; 434.3
0	VV	23.3	12.9	7: 2027 410.1; 434.2

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May 27, 1893

Plate 5869

22	30	r	H	bl.	No. Rem.	Descr.
		4.2	1.8	7	2028	410.3 : 434.3
		5.7	9.3	7	2029	410.5 : 434.5
		6.2	10.8	B	2030	76½ S=.3 : W6 H=.3
		7.6	9.2	7:	2031	410.6 : 434.6
		8.2	11.0	7	2032	410.5 : 434.5
		9.9	9.6	7	2033	410.4 : 434.4
		11.6	7.4	7:	2034	410.5 : 434.5
		11.3	17.0	7	2035	410.4 : 434.4
		12.3	12.7	7	2036	410.3 : 434.3
		13.6	10.1	7	2037	410.5 : 434.5
		14.0	10.6	7	2038	410.3 : 434.3
		13.6	17.4	7	2039	410.2 : 434.2
		14.9	5.5	7:	2040	410.3 : 434.3
		14.5	15.9	7	2041	410.6 : 434.6
		14.3	21.2	7	2042	410.4 : 434.4
		15.6	8.1	7	2043	410.6 : 434.6
		~~15.4~~ 16.0	18.9	7:	2044	410.6 : 434.6
		17.0	14.1	7	2045	410.4 : 434.4
		16.4	18.0	7:	2046	410.5 : 434.5
		17.0	18.8	7	2047	410.2 : 434.3
		17.1	11.1	7	2048	410.4 : 434.4
		17.2	20.8	7	2049	410.6 : 434.6
0	10	23.9	6.2	7	2050	410.6 : 434.(

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May 26 1893

Plate 3396

	V	H	Bl.	No. Rem.	Descr.
232 48	6.0	12.1	7	2051	410.6; 434.6
	6.3	14.0	7	2052	410.2; 434.2
	6.5	19.7	7	2053	410.2; 434.2
	7.3	9.7	8	2054	β4γ=.4
	7.8	18.9	7	2055	410.2; 434.2
	8.4	14.0	7	2056	410.2; 430.2; 434.2; other lines
	10.0	18.0	7	2057	410.6; 434.6.
	10.0	18.8	A	2058	410 and 434 narrow
	10.0	19.3	A	2059	Hydrogen lines narrow
	9.1	20.3	A	2060	Hydrogen lines narrow
	9.6	24.3	7	2061	410.1; 434.2
	16.0	13.4	7	2062	410.5; 434.1
	10.1	19.3	A	2063	Hydrogen lines narrow
	11.7	16.7	7	2064	410.5; 434.1
	12.2	9.1	7	2065	410.3; 434.3
	13.0	13.8	7	2066	410.5; 434.5
	12.9	23.8	7	2067	410.2; 434.3
	14.6	5.7	7	2068	410.4; 434.4
	14.3	9.8	7	2069	410.5; 434.5
	15.5	9.7	A	2070	Hydrogen lines narrow
	~~15.5~~	~~10.0~~	B	2071	76½ G=.2
	16.8	20.2	7	2072	410.5; 434.5
	17.4	11.3	B	2073	76½ G=.2; β4γ=.4
	17.4	12.9	7	2074	410.1; 434.2.
	18.3	10.5	A	2075	Hydrogen lines narrow
	18.9	8.7	7	2076	410.6; 434.6.
	18.1	19.5	7	2077	410.5; 434.5
	18.2	20.2	7	2078	410.2; 434.3

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May 26, 1893

Plate 3396

r	H	bl.	No. Rem.	Deser.
20.1	23.7	7	2079	410.6 ; 434.6
21.1	9.2	7	2080	410.5 ; 434.5 –
22.8	6.9	7	2081	410.4 ; 434.4

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May 31, 1893.

Plate V 171

V	H	Bl.	No. Rem.	Descr.
6.8	17.3	7	2082	410.2 : 434.2
7.6	24.4	7	2083	410.4 : 433 : 434.4
8.6	14.7	7	2084	410.2 : 430.2 : 434.2
10.0	13.6	7	2085	410.2 : 434.2
10.3	20.1	7	2086	410.2 : 434.2
11.9	22.9	7	2087	410.4 : 434.4
12.4	13.8	A	2088	Hydrogen lines narrow
12.4	17.6	7	2089	410.2 : 434.2
13.0	21.5	7	2090	410.4 : 434.4
13.7	7.1	7	2091	410.5 : 434.5
13.3	16.4	7	2092	410.5 : 434.5
13.1	23.8	A	2093	Hydrogen lines narrow
14.3	11.9	7	2094	410.6 : 434.6
16.0	18.5	B	2095	76½ G=.2 ; h6 H=.2 ; B4 γ=.5
16.2	15.5	B	2096	76½ G=.2 ; h6 H=.2
17.6	11.4	7	2097	410.2 : 434.2
18.4	8.8	7	2098	410.4 : 434.4
21.7	16.5	7	2099	410.2 : 434.2
23.2	16.7	7	2100	410.5 : 434.5

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