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Page	Plate	R.A.	Dec.	No stars
		hrs		
4	8901v	5.3	-65	412
34	5895v	11.3	-79	89
42	10821v	13.2	-80	84
48	10822v	15.3	-80.0	87
54	17449v	17.3	-80.0	163
66	11050v	19.2	-80.0	124
76	6498v	21.1	-81	99
84	33076v	4.1	-75	81
90	85821	18.0	-75	153
102	19420	18.0	-73.1	136

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7. 35 P.M. Plate B 8901 May 17, 1904 7.45

	V	H.	Cl.	Rem.	L.	K.	Int.	Bx,	Photom. Magn.
✓	4.1	6.4	F	5475	K	10	2	3.46	
✓	4.8	6.7	K		K	10	3	{3.30 3.72}	
✓	4.8	10.2	F	~~5476~~	ε	N	2	3.73	
✓	4.8	11.0	F	5476	K	10	2	3.98	
✓	4.3	11.2	F	5477	K	10	1	4.28	
✓	4.3	12.2	F	5478	K	10	1	4.28	
✓	5.0	14.5	G		Y	4	2	3.55	
✓	4.4	14.9	G		K	10	2	3.80	
✓	4.3	17.3	K		K	10	2	{3.23 3.70}	7.14 3.91
✓	4.3	18.7	F	5479	K	10	1	4.00	
✓	5.0	18.9	K		K	10	3	{3.29 3.76}	7.92 4.63
✓	4.2	24.1	K		K	10	3	{3.20 3.69}	6.76 3.56
✓	5.1	6.9	G	K	K	10	2	{3.87 4.08}	
✓	5.6	7.0	K		K	10	3	{3.00 3.50}	7.24 4.24
✓	5.1	8.1	F	5480	K	10	1	4.03	8.78 4.75
✓	5.0	9.1	H		ε	N	1	{4.32 F}	9.04 4.72
✓	5.3	11.0	F	5481	K	10	1	3.90	
✓	5.2	12.0	F	2 G	K	10	2	3.58	
✓	5.3	12.4	K		K	10	2	{3.31 3.37}	
✓	5.9	13.6	G		K	12	3	2.70	7.04 4.34
✓	5.2	17.3	G	2 K	K	10	2	{3.92 4.18}	8.57 4.62
✓	5.4	17.9	H		ε	N	1	{4.12 F}	
✓	6.0	18.0	H		ε	N	1	{4.11 F}	
✓	5.7	19.3	A		ε	N	1	4.20	
✓	5.5	24.3	A		ξ	N	2	3.53	8.74 5.21
✓	5.4	24.6	A		λ	2	4	1.10	5.35 4.25
✓	6.7	5.4	K		K	10	3	{2.63 3.20}	~~5.35~~
✓	6.6	5.8	F	5482	K	10	1	{3.70 [illegible]}	
✓	6.7	6.6	F	5483	K	10	1	{3.63 [illegible]}	

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1875 Approx.	C.P.D. Design.	1875 RA.	1875 Dec.	Magn.			R.A. 1900	Dec. 1900
5 54	-59 546	5 54 11.5	-59°	12.9	8.2	✓	5 54 31.5	-59 12.7
5 53	-59 540	5 53 17.5	-59	37.5	8.1	✓	5 53 37.5	-59 37.3
5 40	-59 499	5 39 47.0	-59	49.7	7.8	✓	5 40 7.0	-59 49.0
5 36	-59 490	5 36 18.5	-59	50.8	8.0	✓	5 36 38.5	-59 49.9
5 35	-59 485	5 35 20.0	-59	34.1	8.6	✓	5 35 40.0	-59 33.2
5 32	-59 482	5 31 44.5	-59	38.9	8.5	✓	5 32 5.5	-59 37.8
5 22	-60 415	5 22 43.0	-60	4.0	8.3	✓	5 23 4.0	-60 2.6
5 21	-59 463	5 21 7.5	-59	44.0	8.3	✓	5 21 28.5	-59 42.5
5 11	-59 446	5 11 33.5	-59	43.8	8.2	✓	5 11.9	-59 42
5 6	-59 423	5 5 56.5	-59	38.4	8.4	✓	5 6 17.5	-59 36.4
5 5	-60 381	5 5 1.8	-60	2.6	8.4	✓	5 5.3	-60 0
4 45	-59 380	4 45 9.0	-59	21.3	7.8	✓	5	-59 18
5 52	-59 538	5 52 33.5	-59	47.5	8.2	✓	5 52 53.5	-59 47.2
5 52	-60 512	5 52 3.0	-60	2.5	7.9	✓	5 52.8	-60 3
5 48	-59 522	5 48 3.5	-59	52.4	8.6	✓	5 48.4	-59 52
5 44	-59 511	5 43 56.0	-59	52.4	9.3	✓	5 44.2	-59 51
5 37	-60 458	5 36 36.5	-60	7.8	8.0	✓	5 36 54.5	-60 6.9
5 33	-60 445	5 32 51.5	-60	11.1	8.0	✓	5 33 23.5	-60 10.1
5 31	-60 420	5 31 8.0	-60	12.5	8.0	✓	5 31 26.0	-60 11.4
5 26	-60 428	5 26 9.5	-60	30.8	7.7	✓	5 26.5	-60 30
5 11	-60 399	5 11 28.0	-60	8.0	8.6	✓	5 11.8	-60 6
5 9	-60 394	5 9 20	-60	27.0	9.0	✓	5 9 25.0	-60 25.2
5 8	-60 393	5 8 37.5	-60	35.5	9.3	✓	5 8 55.5	-60
5 3	-60 379	5 3 25.5	-60	18.4	8.9	✓	5 3 45.5	-60
4 43	-60 340	4 43 35.0	-60	24	8.4	✓	4 44.0	-59 59
4 42	-59 376	4 42 28.8	-59	57.7	5.4	✓	4 42.9	-59 55
6 0	-60 538	6 59 46.0	-60	29.0	7.7	✓	6 0 4.0	-60
5 58	-60 531	5 58 11.5	-60	29.2	8.2	✓	5 58 29.5	-60
5 55	-60 519	5 54 57.5	-60	36.0	8.5	✓	5 55 15.5	-60

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V.	H.	Cl.	Rem.	L.	K	Int.	Br.	Photom. Magn.	Diff.
√	7.0	8.3	a		ε	N	1	3.88	
√	6.7	8.3	K		K	10	2	3.36 3.89	
√	6.7	9.3	a		ι	N	3	3.07	
√	7.0	9.4	a		ε	N	1	4.02	
√	6.9	9.9	a		η	N	2	3.68	
√	6.7	10.1	a		ε	N	1	4.12	
√	6.8	11.8	H		ε	N	1	3.86 F	
√	6.6	12.4	a		ε	N	1	4.18	
√	7.0	12.6	F 5484		K	10	1	4.10	
√	6.6	12.7	H		ε	N	1	4.03 4.40	
√	6.7	13.0	F 5485		K	10	1	4.00	
√	6.8	13.5	F 5486		K	10	1	3.95	
√	6.4	13.6	K		K	10	2	3.35 3.84	
√	6.8	12.7	H		ε	N	1	4.14 F	
√	6.3	14.2	H		ε	N	1	4.12 F	
√	6.6	15.4	a		χ	2	3	2.11	
√	6.6	16.0	a		ε	N	1	4.02	
√	6.5	17.5	H		ε	N	1	4.31 F	
√	6.9	18.8	a		θ	N	2	3.90	
√	6.7	19.7	a		ε	N	1	4.18	
√	6.3	21.5	a		ε	N	1	3.75	
√	6.4	21.8	F 5487		K	10	2	3.75	
√	6.6	20.1	H		ε	N	1	4.10 F	
√	6.9	22.3	H		K	10	2	3.70 4.12	
√	6.2	23.3	K		K	10	2	3.10 3.65	6.95 3.85
√	7.0	23.7	F 2 5		K	10	3	3.20	
√	7.5	5.6	a		η	N	2	3.47	
√	7.2	6.5	H		ε	N	1	4.02 4.30	
√	7.4	8.6	a		ε	N	1	4.20	

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1875– Approx.	C.P.D. Design.		1875 R.A.	1875 Dec.	Mag.	R.A. 1900	Dec. 1900	
5 48	-60° 48	88	5h 48m 21.0s	-60°	50'4	9.0		
5 48	-60 42	87	5 48 9.5	-60°	42.6	8.7		
5 44	-60 45	0	5 44 1.5	-60	46.0	8.2		
		93	5 43 55.0	-60	45.5	9.4		
5 44	-60 58	67	5 43 43.8	-60	57.9	9.2		
5 41	-60 57	56	5 41 36.8	-60	55.3	8.6		
5 40	-60 46	0	5 40 26.0	-60	47.1	8.8		
5 34	-60 58	4	5 33 41.2	-60	58.3	8.8		
5 31	-60 48	37	5 31 17.0	-60	48.6	9.0		
5 30	-61 2		5 30 40.5	-61	3.0	8.7		
5 29	-60 53	4	5 29 58.5	-60	52.7	9.0		
5 28	-60 54	0	5 28 58.5	-60	54.0	8.7		
5 26	-60 58	28	5 26 56.0	-60	58.0	8.7		Identified as 13.5.
5 25	-60 47	5	5 26 32.5	-60	46.6	8.3		
5 25	-60 58	3	5 25 50.5	-60	57.8	9.2		
5 24	-60 45	17	5 23 57.5	-60	44.0	9.0		
5 19	-60 53	3	5 18 59.0	-60	54.2	7.3		
5 16	-60 53	-60 3	5 16 27.5	-60	53.1	9.2		
5 10	-60 48	2	5 10 22.0	-60	48.1	9.2		
5 5	-61 1	1	5 4 55.3	-61	1.3	8.7		
5 1	-60 52	63	5 1 22.0	-60	51.2	8.8		
4 54	-60 34	2	4 54 21.0	-60	33.4	8.6	20 36'	superposed? No
4 53	-60 36	57	4 52 50.0	-60	36.8	8.3		
4 59	-60 48	66	4 59 42.5	-60	49.8	9.2		
4 50	-60 48	0	4 50 47.0	-60	50.5	8.6		
4 47	-60 28	4	4 47 2.0	-60	28.4	8.0	4	47.3 -60 25
4 45	-60 48	1	4 45 10.0	-60	49.8	8.0		
5 59	-60 54	1	5 59 24.0	-60	53.5	8.3		
5 55	-60 50	19	5 55 31.0	-60	50.7	8.8		
5 47	-60 5	1	5 47 11.5	-61	4.4	8.8		

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V.	H.	tel.	Rem.	L.	K.	Int.	Br.		
✓	7.7	8.7	A		E	N	2	3.45	
✓	7.7	9.2	K		K	10	2	3.11 / 3.64	
✓	7.4	11.0	A		?	N	2	2.78	
✓	7.3	11.9	G			12	3	2.02	6.36 4.34
✓	8.0	12.7	A		?	N	3	1.92	
✓	7.9 / 8.0	12.7	A		E	N	2	2.80	
✓	8.0	13.2	A		E	N	1	4.10	
✓	7.5	13.5	A		E	N	1	4.08	
✓	7.2	14.3	H		K	10	2	3.35 / 3.80	
✓	7.4	16.5	H		K	10	2	3.41 / 3.70	
✓	7.3	17.1	A		E	N	1	3.95	
✓	7.9	18.7	H		E	N	1	4.30 / F	
✓	7.7	20.5	F	5488	K	10	1	3.80	
✓	8.0	19.5	F	5489	K	10	2	3.65	
Psiche not 20 f? ✓	7.5	20.~~24~~	G		K	10	2	3.75	
✓	7.3	20.9	H		E	N	1	4.10 / F	
✓	8.0	20.9	F	5490	K	10	2	3.40	
✓	8.0	21.7	H		E	N	1	4.17 / F	
✓	7.2	22.1	A		E	N	1	3.98	
✓	8.4	6.8	F2	G			10	2	3.23
✓	8.2	7.5	A		Θ	N	2	3.43	
✓	8.1	7.8	H		E	N	1	4.00 / 4.30	
✓	8.2	8.1	A		E	N	1	3.80	
✓	9.0	7.6	A		X	N	3	1.95	6.94 4.99
✓	8.8	9.6	F	5491	K	10	1	3.98	
✓	8.8	10.5	F	5492	K	10	1	4.10	
✓	8.1	11.2	K		K	10	2	3.68 / 4.03	
✓	8.6	13.3	G5	K	K	10	3	3.02 / 3.45	
✓	8.8	13.3	G5	K	K	10	2	3.73 / 4.10	

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1003phae.proj.898E

1875 C.P.D. 1875 1875

Approx.	Design.	R.O.	Dec.	Magn.		R.A. 1900	Dec 1900
5 46 -61 15	-61 528	5 46	48.0 -61	14.6	8.3 ✓		
5 44 -61 16	-61 517	5 44	41.0 -61	16.4	8.5 ✓		
5 37 -61 14	-61 493	5 37	4.5 -61	14.1	7.8 ✓		
5 34 -61 15	-61 488	5 33	36.5 -61	15.2	7.2 ✓	5	33.9 -61 14
5 30 -61 36	-61 479	5 30	18.0 -61	37.8	7.0 ✓		
5 30 -61 33	-61 478	5 30	13.5 -61	32.5	8.4 ✓		
5 28 -61 36	-61 472	5 28	16.0 -61	36.2	9.0 ✓		
5 27 -61 22	-61 465	5 26	56.5 -61	21.7	8.8 ✓		
5 24 -61 12	-61 458	5 23	38.0 -61	12.8	8.5 ✓		
5 19 -61 17	-61 445	5 18	44.5 -61	17.6	8.7 ✓		
5 12 -61 13	-61 422	5 12	9.0 -61	13.3	9.0 ✓		
5 5 -61 33	-61 408	5 5	17.3 -61	32.9	9.4 ✓		
4 57 -61 16	-61 394	4 57	25.0 -61	17.2	8.5 ✓		
5 1 -61 36	-61 403	5 1	52.5 -61	35.1	8.6 ✓		
4 58 -61 7	-61 396	4 58	4.5 -61	8.3	8.8 ✓	Identified as 20.4.	
4 56 -61 18	-61 388	4 56	22.7 -61	7.9	9.2 ✓		
4 56 -61 30	-61 387	4 56	1.7 -61	29.0	8.3 ✓		
4 52 -61 28	-61 380	4 52	30.7 -61	27.8	9.4 ✓		
4 51 -61 0	-61 378	4 51	33.4 -61	1.9	8.8 ✓		
5 55 -61 28	-61 552	5 54	51.0 -61	27.7	8.2 ✓		
5 52 -61 26	-61 543	5 52	8.5 -61	25.4	8.1 ✓		
5 51 -61 24	-61 538	5 50	57.0 -61	24.8	9.4 ✓	~~Perhaps the right star?~~	
5 49 -61 27	-61 534	5 49	36.0 -61	27.2	8.7 ✓		
5 52 -61 52	-61 541	5 52	3.5 -61	51.7	7.4 ✓	5	52.2 -61 52
5 43 -61 49	-61 512	5 43	3.0 -61	50.1	9.1 ✓		
5 40 -61 54	-61 497	5 39	52.0 -61	55.0	9.0 ✓		
5 37 -61 35	-61 491	5 36	40.5 -61	33.8	8.6 ✓		
5 28 -61 54	-61 471	5 28	8.5 -61	55.0	8.5 ✓		
5 28 -62 0	-62 478	5 28	1.5 -62	1.0	8.7 ✓		

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V.	H.	tel	Rem.	L.	K.	Int.	Br.	Photom. Diff. Magn.
✓	8.3	14.7	a		ε	N	1	3.81
✓	8.9	15.9	K		K	10	2	3.32 / 3.79
✓	8.1	16.0	F 5493		K	10	1	4.20
✓	8.3	16.5	a		ε	N	1	4.20
✓	8.7	17.8	a		ε	N	1	4.32
✓	8.3	17.9	F 5494		K	10	1	4.18
✓	8.8	18.5	a		η	N	2	3.48
~~8.9~~	~~18.8~~	~~F 5495~~			~~K~~	~~10~~	~~1~~	~~3.47~~
✓	8.6	20.1	H		ε	N	1	3.73 / 4.15
✓	8.2	20.7	H		K	10	1	4.11 / F
✓	8.6	21.1	H		ε	N	1	4.12 / F
✓	8.9	21.7	H		K	10	2	3.60 / 4.08
✓	8.3	22.0	H		K	10	2	3.60 / 3.98
✓	8.6	22.1	F 5496		K	10	1	3.87
✓	8.6	23.3	a & F 5497		η	10	3	2.67
✓	8.4	24.7	a		η	N	3	2.52
✓	9.1	6.4	a		ε	N	1	3.88
✓	9.4	6.0	a		ε	N	1	4.08
✓	9.6	6.0	a		ε	N	1	3.77
✓	9.1	6.3	a		ε	N	1	3.68
✓	9.4	8.4	F 5498		O	10	2	2.90
✓	9.1	11.8	G		K	10	2	3.29
✓	9.8	12.3	F 58			12	4	0.20
✓	9.5	13.3	K		K	10	3	2.31 / 3.08
✓	9.1	13.4	F 5499		K	10	1	3.72
✓	9.9	13.8	F 5500		K	10	1	3.88
✓	9.7	14.5	F 2 G		K	10	2	3.76
✓	9.4	14.7	H		K	10	2	3.60 / 3.92
✓	9.8	16.1	a		ε	N	1	3.83

3.81 3.61
6.49 4.18

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1903phae.proj.-898F

1875	C.P.D	1875	1875						
Approx	Design.		R.A. Dec.		Magn.		R.A. 1900	Dec. 1900	
5 22	-61° 45	-61	454	5 22	3.5	-61° 45'	8.7		
5 16	-62 4	-62	456	5 16	56.0	-62 4	8.4		
5 17	-61 37	-61	439	5 16	44.0	-61 37.3	9.0		
5 14	-61 47	-61	429	5 14	18.5	-61 47.6	9.2		
5 8	-61 53	-61	446	5 8	46.0	-61 53.3	9.0		
5 8	-61 45	-61	415	5 8	39.5	-61 45.1	8.8		
5 5	-61 37	-61	411	5 5	53.1	-61 58.0	8.2		
	-61					61			Do not find any star in this area?
4 59	-61 49	-61	399	4 59	7.5	-61 50.8	8.8		
4 57	-61 36	-61	392	4 57	3.0	-61 35.8	9.4		
		-61	391	4 57	0.5	-61 36.6	7.6		
4 55	-61 48	-61	385	4 54	49.7	-61 48.6	9.2		
4 52	-61 54	-61	382	4 52	34.7	-61 55.1	8.8		
4 51	-61 36	-61	376	4 51	27.2	-61 35.1	8.7		
4 51	-61 45	-61	375	4 50	55.2	-61 44.6	8.7		
4 46	-61 42	-61	367	4 45	49.7	-61 41.6	7.3		
4 40	-61 28	-61	359	4 40	8.2	-61 27.3	7.6		
6 1	-61 42	-61	568	6 1	15.5	-61 42.3	8.8		
5 58	-61 48	-61	563	5 58	51.5	-61 49.9	9.0		
5 59	-62 0	-62	564	5 59	10.0	-62 59.8	8.5		
5 57	-61 45	-61	561	5 57	45.5	-61 46.5	8.4		
5 49	-62 6	-62	529	5 49	10.0	-62 6.5	8.1		
5 34	-62 7	-62	493	5 34	27.5	-62 7.5	8.4		
5 33	-62 35	-62	487	5 32	32.0	-62 34.2	5.9	5 32.8	-62 33
5 28	-62 24	-62	479	5 28	9.5	-62 24.4	7.9	5 28.4	-62 23
5 27	-62 11	-62	477	5 27	36.5	-62 11.0	9.2		
5 26	-62 36	-62	473	5 25	57.0	-62 35.3	8.8		
5 23	-62 28	-62	469	5 23	18.0	-62 28.7	8.6		
5 22	-62 20	-62	465	5 22	2.5	-62 20.5	8.7		
5 16	-62 30	-62	453	5 16	0.0	-62 31.2	8.7		

Due to defect. Not confirmed on B31231, 269-25 or 12037.

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Oct. 30, 1903

Plate B 8901

V.	H.	Tel.	Rem.	L.	K.	Int.	Br.	Photom. Magn. Diff.
✓ 10.0	16.1	A		K	10	1	3.70	
✓ 9.8	16.6	J	5501	K	10	2	3.68	
✓ 9.1	17.3	J 2 G		K	10	2	3.43	
✓ 9.2	18.3	H		E	N	1	4.10 / J	
✓ 10.0	18.6	K		K	10	2	3.88 / J	
✓ 9.7	19.1	A		E	N	1	3.99	
✓ 9.1	19.6	A		E	N	1	3.89	
✓ 9.4	19.8	J	5502	K	10	1	4.06	
✓ 9.7	20.1	A		E	N	1	3.80	
✓ 9.3	22.7	H		E	N	1	3.87 / J	
✓ 10.1	6.0	A		E	N	1	3.75	
✓ 10.9	5.6	A		E	N	1	3.78	
✓ 10.3	8.1	A		η	N	2	3.54	
✓ 11.0	9.7	A		E	N	2	3.84	
✓ 10.8	10.4	A		K	N	3	1.89	
✓ 10.3	10.8	A		E	N	1	3.98	
✓ 10.9	10.9	H		E	N	1	3.74 / 4.10	
✓ 10.6	11.8	H		E	N	1	4.13 / J	
9.9	12.4	H		E	N	1	4.10 / J	
✓ 10.4	14.1	G		K	10	2	3.39	
✓ 10.1	14.6	J 2 G			10	2	2.78	
✓ 10.6	14.8	K		K	10	2	3.22 / 3.60	
✓ 11.0	15.6	G		K	10	2	3.55	
✓ 10.8	15.7	K		K	10	2	3.00 / 3.40	
✓ 10.3	16.2	K		K	10	2	3.66 / 4.00	
✓ 10.6	17.4	J	5503	K	10	2	3.31	
✓ 10.1	17.9	J	5504	K	10	2	3.58	
✓ 10.6	18.3	J	5505	K	10	2	3.45	
✓ 10.6	18.6	J 2 G			10	3	2.82	

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Approx		C.P.D. 1875			1875	1875		
		Decln.	R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900	
5	16 - 62° 45	-62	452	5h 15m 53.5	-62°	44.4	8.9	✓
5	14 - 62 18	-62	445	5 14 2.5	62	17.0	8.4	✓
5	11 - 62 12	-62	439	5 10 53.0	-62	11.3	8.4	✓
5	6 - 62 12	-62	426	5 6 39.5	-62	12.5	9.0	✓
5	5 - 62 32	-62	422	5 5 21.5	-62	33.0	9.0	✓
5	3 - 62 27	-62	418	5 3 7.7	-62	26.0	8.7	✓
5	1 - 62 6	-62	414	5 1 20.2	-62	5.1	8.8	✓
5	0 - 62 17	-62	410	5 0 17.2	-62	16.3	8.8	✓
4	59 - 62 27	-62	406	4 58 52.7	-62	27.5	8.7	✓
4	48 - 62 6	-62	389	4 47 59.2	-62	5.8	9.2	✓
		-62	390	4 48 2.7	-62	3.3	9.2	
5	59 - 62 15	-62	561	5 59 29.0	-62	15.9	9.0	✓
6	2 - 62 42	-62	569	6 1 46.5	-62	40.0	8.8	✓
5	51 - 62 33	-62	537	5 50 58.0	-62	32.6	8.5	✓
5	44 - 62 58	-62	512	5 44 14.5	-62	57.9	8.4	✓
5	41 - 62 59	-62	506	5 40 59.5	-62	58.3	6.9	✓
5	39 - 62 42	-62	502	5 39 17.5	-62	42.5	8.9	✓
5	39 - 63 0	-62	501	5 39 7.8	-62	59.9	8.9	✓
5	34 - 62 54	-62	494	5 34 45.5	-62	53.0	9.4	✓
		Pl. to	-62	487				
5	25 - 62 53	-62	472	5 24 40.0	-62	53.1	8.7	✓
5	23 - 62 42	-62	468	5 22 40.5	-62	41.5	7.3	✓
5	22 - 63 0	-63	454	5 21 37.0	-63	0.7	8.2	✓
5	19 - 63 14	-63	449	5 19 5.0	-63	11.7	8.8	✓
5	17 - 63 6	-63	448	5 17 42.5	-63	6.6	8.4	✓
5	15 - 62 48	-62	450	5 15 28.5	-62	49.9	8.7	✓
5	10 - 62 58	-62	437	5 10 17.5	-62	57.9	8.5	✓
5	8 - 62 42	-62	430	5 8 20.5	-62	43.0	8.7	✓
5	6 - 62 54	-62	425	5 6 20.5	-62	54.9	8.4	✓
5	5 - 62 58	-62	421	5 5 5.0	-62	57.9	7.7	✓

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V.	H.	El.	Rem.	L.	K.	Int.	Br.	Photom. Diff. Magn.
✓10.2	20.8	H		ε	N	1	{3.46 3.96	
✓10.9	21.1	a		~	N	3	2.82	
✓10.1	22.4	H		ε	N	1	{4.05 F	
✓10.2	22.6	a		ε	N	1	4.22	
✓10.5	22.7	F	5506	K	10	1	4.03	
✓10.5	23.0	a		ε	N	1	4.28	
✓10.7	23.5	H		ε	N	1	{4.20 F	
✓10.6	24.2	a		ε	N	2	3.45	
✓11.2	6.2	F	5507	K	10	2	3.60	
✓11.1	6.3	F	5508	K	10	2	3.34	
✓11.0	6.7	H		ε	N	1	{4.08 F	
✓11.4	7.7	G			12	4	1.30	4.53 3.23
✓11.9	7.9	a		ι	N	3	2.43	
✓11.9	8.5	F	25	K	10	1	3.63	
✓11.3	8.7	H		ε	N	1	{4.36 F	
✓11.7	9.4	F	5509	K	10	2	3.76	
✓11.3	11.6	a		ε	N	1	4.20 ~~3.46~~	
✓12.0	12.3	H		K	10	2	{3.50 3.93	
✓11.8	12.5	a		Θ	3	3	3.68	
✓11.2	14.0	F	5510	K	10	1	3.96	
✓12.0	14.6	H		ε	N	1	{4.10 F	
✓11.9	15.2	K		K	10	2	{3.47 3.92	
✓11.6	16.3	K		K	10	2	{3.30 3.78	
✓11.1	16.6	F	5511	K	10	2	3.39	
✓12.0	16.7	F₂	G	K	10	2	3.02	
✓11.7	18.2	Mb		K	12	3	{1.63 2.37	5.24 361
✓11.3	18.5	a₂	F	Θ	10	2	3.00	
✓11.4	18.7	H		ε	N	1	{4.15 F	
9.40 P.M. ✓11.5	18.2	H		K	10	2	{3.75 4.20	

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1875 C.P.D. 1875 1875

Approx	Desig.	R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900	
4h 55m + 62° 37'	-62 400	4h 55m 28.0	-62°	38.7	8.6	✓	
4 54 -63 0	-62 398	4 53 56.0	-62	59.8	7.2	✓	
4 49 -62 27	-62 392	4 48 39.7	-62	26.7	8.9	✓	
4 48 -62 30	-62 391	4 48 3.1	-62	29.9	8.7	✓	
4 47 -62 42	-62 388	4 47 12.5	-62	42.0	8.8	✓	
4 46 -62 38	-62 386	4 46 11.5	-62	38.8	9.1	✓	
4 44 -62 44	-62 383	4 43 43.0	-62	43.0	9.1	✓	
4 41 -62 37	-62 377	4 40 47.5	-62	37.1	8.2	✓	
5 59 -62 48	-62 563	5 59 38.0	-62	48.7	8.5	✓	
5 58 -62 48	-62 558	5 58 55.5	-62	48.7	8.1	✓	
5 57 -62 46	-62 552	5 57 14.5	-62	45.7	9.0	✓	
5 53 -63 8	-63 498	5 53 9.5	-63	7.6	6.2	✓	5 53.4 -63 8
5 52 -63 20	-63 497	5 52 39.0	-63	20.2	7.7	✓	
5 49 -63 22	-63 492	5 50 5.5	-63	21.3	8.8	✓	
5 48 -63 5	-63 486	5 48 34.0	-63	3.2	9.3	✓	
5 46 -63 18	-63 481	5 45 58.5	-63	18.7	8.9	✓	
5 36 -63 13	-63 466	5 35 58.5	-63	13.7	9.3	✓	
5 33 -63 36	-63 463	5 33 0.5	-63	37.8	8.7	✓	
5 32 -63 33	-63 460	5 32 1.0	-63	32.3	7.1	✓	
5 26 -63 17	-63 457	5 25 32.0	-63	17.2	8.8	✓	
5 23 -63 42	-63 455	5 22 49.5	-63	43.5	9.1	✓	
5 20 -63 38	-63 450	5 19 57.5	-63	38.7	8.7	✓	
5 15 -63 30	-63 441	5 14 54.5	-63	28.6	8.7	✓	
5 14 -63 12	-63 438	5 13 49.0	-63	12.7	8.4	✓	
5 14 -63 41	-63 436	5 13 30.5	-63	40.8	8.1	✓	
5 7 -63 32	-63 420	5 6 34.5	-63	33.4	7.1	✓	5 6.8 -63 31
5 6 -63 18	-63 417	5 5 36.0	-63	18.6	7.9	✓	
5 4 -63 18	-63 413	5 4 27.5	-63	18.6	9.2	✓	
5 3 -63 45	-63 410 05	5 2 18.8	-63	22.6 45.8	8 8.9	✓	

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December 11, 1903

Plate B8901

8.00 P.M.	V.	H.	Tel.	Rem.	L.	K.	Int.	Br.	Photom. Magn. Diff
✓	11.4	19.7	F	5512	K	10	2	3.52	
✓	11.3	20.1	F	5513	K	10	1	3.72	
✓	11.6	20.3	F2G		K	10	2	3.12	
✓	11.8	21.5	F	5514	K	10	1	3.80	
✓	11.9	22.2	A		η	9	2	4.01	
✓	11.6	22.5	A		Θ	9	2	3.30	
✓	11.3	22.9	F	5515	K	10	2	2.90	
✓	12.0	23.3	K		K	12	3	2.02 2.66	6.32 4.30
✓	11.8	23.9	A		ε	9	1	4.18	
✓	11.5	24.4	F	5516	K	10	2	3.37	
✓	12.3	6.7	K		K	10	2	3.40 3.80	
✓	12.7	6.0	F	5517	K	10	1	3.50	
✓	13.0	6.3	H		ε	9	1	3.95 4.30	
✓	12.3	8.4	A		Θ	5	2	2.78	
✓	12.3	8.6	F	5518	K	10	2	3.42	
✓	12.7	13.1	A		χ	8	4	1.50	6.28 4.78
✓	13.0	15.2	G		K	10	2	3.10	
✓	12.5	17.7	F	5519	η	10	2	2.70	7.74 5.04
✓	12.3	18.8	F	5520	K	10	1	3.76	
✓	~~12.5~~	~~19.8~~	defect					~~3.73~~	
✓	12.4	20.7	H		K	10	1	3.81	
✓	12.6	21.4	K		K	10	2	3.30 3.75	
✓	13.0	22.4	H		K	10	1	3.78 4.03	
✓	12.5	22.5	G5K		K	12	3	2.56 2.87	
✓	12.7	23.0	G		K	10	2	3.37	
✓	13.0	23.0	G		K	10	1	3.90	
✓	12.2	23.9	F	5521	K	10	2	3.10	
✓	13.1	5.8	H		K	10	1	3.95 4.30	
✓	13.7	7.0	H		K	10	2	3.73 4.18	

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1875 Approx	CPD. Decln.	1875 R.A.	1875 Dec.	Mag.	R.A. 1900	Dec. 1900
5h 0m – 63°	18	-63 400	5h 0m 18.8	-63° 15.3	8.7	
4 58 - 63	12	-63 395	4 58 27.8	-63 12.8	8.7	
4 57 - 63	24	-63 391	4 57 19.5	-63 23.9	7.9	
4 52 - 63	24	-63 378	4 51 42.0	-63 24.1	8.7	
4 49 - 63	23	-63 376	4 48 51.5	-63 22.5	8.6	
4 47 - 63	12	-63 374	4 47 29.0	-63 11.7	8.2	
4 46 - 63	2	-63 370	4 46 2.0	-63 2.9	7.5	
4 44 - 63	26	-63 365	4 43 49.0	-63 27.2	7.3	4h 44.0 -63 24
		~~-63 364~~	~~4 43 47.5~~	~~-63 32.0~~	~~9.0~~	
4 41 - 63	12	-63 360	4 41 23.0	-63 11.6	9.0	
4 39 - 63	2	-63 356	4 39 31.5	-63 2.3	8.2	
6 3 - 63	21	-63 520	6 2 28.5	-63 20.7	8.5	
6 1 - 63	33	-63 517	6 1 21.0	-63 32.2	8.6	
6 0 - 63	44	-63 511	6 0 19.5	-63 43.7	9.1	
5 50 - 63	33	-63 495	5 50 42.5	-63 33.4	7.9	
5 49 - 63	36	-63 491	5 49 48.0	-63 36.6	8.5	
5 29 - 63	59	-64 452	5 29 30.2	-64 1.4	6.7	5h 29.6 -64 0
5 20 - 64	12	-64 439	5 20 14.5	-64 11.8	8.3	
5 8 - 63	55	-63 426	5 8 44.5	-63 56.0	7.5	5h 9.0 -63 54
5 3 - 63	45	-63 410	5 3 41.5	-63 45.8	8.9	
		~~-63 396~~	~~4h 59 28.5~~	~~-63 48.7~~	~~9.1~~	
4 55 - 63	45	-63 387	4 55 24.5	-63 44.3	8.8	
4 52 - 63	48	-63 379	4 52 9.0	-63 48.9	8.6	
4 47 - 63	58	-63 373	4 47 8.0	-63 57.7	8.8	
4 47 - 63	42	-63 372	4 47 2.5	-63 41.7	7.7	
4 45 - 63	45	-63 369	4 44 54.0	-63 46.9	8.5	
4 44 - 63	54	-63 366	4 44 18.0	-63 54.8	8.8	
4 41 - 63	28	-63 358	4 41 10.5	-63 26.9	7.6	
6 2 - 63	45	-63 519	6 2 24.5	-63 44.6	8.7	
5 57 - 64	11	-64 503	5 57 42.0	-64 10.2	8.9	

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Plate B8901

	V.	H.	tel.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff
✓	13.2	8.5	G		K	10	3	2.13	6.42	4.29
✓	13.2	11.2	a		E	N	1	4.18		
✓	12.8	11.8	F	5522	K	10	1	4.09		
✓	13.7	12.4	a		E	N	1	3.52		
✓	13.2	12.5	G5	K		12	4	1.37 1.88	5.30	3.93
✓	13.5	13.9	a		θ	N	2	2.29	7.54	5.25
✓	13.6	15.1	F	5523	K	10	2	3.05		
✓	13.5	17.4	a		E	N	1	3.87		
✓	13.8	17.6	H		E	N	1	3.90 F		
✓	13.9	19.6	K		K	10	2	2.98 3.60		
✓	13.2	20.1	H		E	N	1	3.90 F		
✓	13.2	20.8	F2	G	K	10	2	3.18		
✓	13.1	21.1	a		E	N	1	3.63		
✓	13.8	21.1	a		E	N	1	3.90		
✓	13.2	23.2	H		E	N	1	4.05 F		
✓	13.6	23.4	a		E	N	1	3.89		
✓	14.1	6.7	G		K	10	2	2.71		
✓	14.2	8.0	F8	G	5524	K	10	3	1.78	6.62 4.84
✓	14.6	8.2	H		K	10	1	3.51 4.10		
✓	14.6	9.6	F	5525	K	10	2	3.51		
✓	14.7	11.5	F	5526	K	10	2	3.62	9.61	5.99
✓	14.5	11.8	a		E	N	1	3.71		
✓	14.9	12.5	F	5527	K	10	2	3.38		
✓	14.9	13.4	a		η	N	2	3.18	8.46	5.28
✓	14.9	14.1	a		E	N	1	4.18		
✓	14.1	18.7	G5	K	K	10	2	3.11 3.48	7.94 ~~8.06~~	4.83
✓	14.2	19.0	H		E	N	1	3.98 F	8.96	4.98
✓	15.0	18.7	H		K	10	2	3.45 3.80		
✓	14.9	19.1	F	5528	K	10	2	3.37	9.36	5.99

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1875											
	C.P.D.		1875	1875							
Approx	Design.		R.A.	Dec.	Magn.			R.A. 1900		Dec. 1900	
5h 50m	-64°	3	-64	486	5h 50m	42.0	-64°	37'	7.2	5h 50.8	-64 4
5 38	-64	10	-64	465	5 38	7.5	-64	9.5	9.3		
5 35	-64	0	-64	459	5 35	14.5	-64	0.1	9.2		
5 33	-64	31	-64	458	5 32	50.5	-64	29.9	8.4		
5 32	-64	18	-64	456	5 32	18.5	-64	18.6	6.1	5 32.4	-64 18
5 26	-64	27	-64	446	5 26	1.5	-64	25.6	7.0	5 26.1	-64 25
5 20	-64	29	-64	441	5 20	21.5	-64	27.3	8.0		
5 10	-64	27	-64	420	5 10	0.5	-64	26.0	8.9		
			-64	421	5 10	5.5	-64	24.4	9.1		
5 9	-64	32	-64	418	5 9	0.5	-64	32.2	9.1		
5 0	-64	33	-64	397	4 59	45.8	-64	34.3	8.4		
4 58	-64	7	-64	395	4 57	44.0	-64	8.7	9.0		
4 54	-64	10	-64	384	4 54	17.0	-64	9.3	7.9		
4 53	-64	1	-64	380	4 53	18.5	-64	2.2	8.6		
4 52	-64	22	-64	379	4 52	47.0	-64	21.1	9.3		
4 43	-64	0	-64	369	4 43	49.8	-64	0.2	8.8		
4 42	-64	10	-64	365	4 42	18.5	-64	9.3	8.8		
5 59	-64	18	-64	570	5 59	31.0	-64	18.7	7.9		
5 53	-64	30	-64	495	5 53	38.5	-64	30.2	6.7	5 53.7	-64 30
5 53	-64	42	-64	493	5 52	54.0	-64	41.4	8.9		
5 46	-64	48	-64	477	5 46	33.5	-64	48.1	8.8		
5 37	-64	59	-64	464	5 37	33.0	-64	58.6	8.7	5 37.7	-64 58
5 35	-64	52	-64	461	5 35	54.5	-64	51.0	8.8		
5 32	-65	6	-65	480	5 32	44.5	-65	6.5	8.2		
5 29	-65	6	-65	476	5 28	42.5	-65	5.7	8.1	5 28.8	-65 5
5 25	-65	6	-65	468	5 25	20.0	-65	5.5	9.1		
5 4	-64	42	-64	405	5 4	3.0	-64	42.8	8.4	5 4.1	-64 41
5 2	-64	42	-64	403	5 2	31.5	-64	42.5	9.2	5 2.6	-64 40
5 3	-64	12	-64	421	5 3	21.5	-64	11.0	8.9		
5 2	-64	3	-64	417	5 1	47.0	-64	4.9	8.8	5 1.9	-65 3

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December 11, 1903.

Plate B 8901

	V.	H.	Cl.	Num.	L.	K.	Int.	Wv.	Photom. Magn.	Diff.	
✓	14.4	20.1	H		ε	N	1	4.12 F			4
✓	14.4	20.5	H		ε	N	1	3.96 4.30			4
✓	14.2	22.1	G5K		K	10	2	3.63 3.90			4
✓	14.7	23.7	F	5529	K	10	1	3.81			4
✓	14.7	23.7	A		ε	N	1	3.79			4
✓	15.2	6.4	F	5530	K	10	3	2.43			6
✓	15.6	8.9	A		Θ	N	2	2.70	7.96	5.26	5
✓	15.4	9.3	K		K	10	2	2.96 3.31	7.61	4.65	5
✓	15.2	10.5	G		K	10	1	3.53			5
✓	15.7	11.2	A		ε	N	1	3.80			5
✓	15.8	13.0	A		ε	N	1	3.80			5
✓	15.6	13.5	G		K	12	3	2.20	6.76	4.56	5
✓	15.8	14.3	A		ε	N	1	4.17			5
✓	15.4	16.7	A		Θ	N	2	2.83			5
✓	15.2	17.0	F	5531	Θ	10	3	2.32	7.14	4.82	5
✓	15.1	17.4	H		ε	N	1	3.78 4.30	7.42	3.64	5
✓	15.2	17.6	F	5532	K	10	2	3.46			5
✓	15.7	18.1	K		K	10	2	3.23 3.80			5
✓	15.2	20.2	A		χ	3	3	2.10	7.26	5.16	4
✓	15.8	23.2	F	5533	K	10	1	3.57			4
✓	16.0	24.1	H		ε	N	1	3.80 F			4
✓	16.2	5.7	A		ε	N	1	3.65			6
✓	16.1	6.5	A		ε	N	1	3.60			6
✓	16.3	7.1	A		ε	N	2	3.30			5
✓	16.2	7.1	A		ε	N	1	3.80			5
✓	16.1	7.4	F2G		K	10	1	3.70			5
✓	17.0	~~7.51~~	A		Θ	N	3	2.41			5
✓	16.4	10.2	A		λ	8	4	0.71	4.52	3.81	5
✓	16.5	10.5	A		ε	N	1	3.56			5

Ds Dunst 8.12

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1875 Approx	CPD. Design.	1875 RA	1875 Dec.	Magn.	R.A. 1900	Dec. 1900					
4 57	-64° 46	-64	394	4 57	7.5	-64°	47.1	9.2			
4 55	-64 46	-64	399	4 55	22.0	-64	46.5	8.7			
4 48	-64 33	-64	371	4 48	1.5	-64	36.1	8.7			
4 40	-64 42	-64	364	4 40	25.5	-64	42.5	8.7			
4 40	-64 41	-64	363	4 40	13.0	-64	40.8	8.7			
6 1	-64 50	-64	572	6 1	25.5	-64	51.3	7.6			
5 50	-65 16	-65	507	5 50	17.0	-65	17.3	7.9	5	50.4	-65 17
5 48	-65 13	-65	504	5 48	11.5	-65	12.2	8.6	5	48.3	-65 12
5 42	-65 12	-65	492	5 42	11.5	-65	11.1	8.9			
5 39	-65 27	-65	490	5 39	19.5	-65	27.3	9.0			
5 30	-65 33	-65	479	5 30	38.5	-65	33.4	8.5			
5 28	-65 33	-65	475	5 28	22.0	-65	32.7	7.1	5	28.5	-65 32
5 24	-65 37	-65	467	5 24	39.5	-65	37.5	9.3			
5 13	-65 23	-65	443	5 12	57.5	-65	22.5	7.5			
5 11	-65 18	-65	441	5 11	31.5	-65	19.3	7.0	5	11.6	-65 17
5 9	-65 12	-65	437	5 9	32.0	-65	11.7	8.9	5	9.6	-65 10
5 8	-65 18	-65	435	5 8	50.0	-65	17.0	8.7			
5 6	-65 32	-65	428	5 6	11.0	-65	32.3	8.5			
4 56	-65 12	-65	394	4 56	28.5	-65	12.4	6.6	4	56.6	-65 10
4 42	-65 15	-65	374	4 41	58.5	-65	16.3	8.8	Also CPD-65°75 superfond?		76
4 38	-65 23	-65	362	4 37	46.0	-65	20.3	9.0			
6 5	-65 18	-65	549	6 5	38.0	-65	17.4	8.5			
6 2	-65 21	-65	536	6 1	47.0	-65	20.2	8.5			
5 59	-65 25	-65	531	5 59	21.5	-65	26.9	8.5			
5 59	-65 24	-65	530	5 59	0.0	-65	23.7	9.0			
5 57	-65 24	-65	528	5 57	32.5	-65	23.8	8.9			
5 54	-65 54	~~-65~~	~~523~~	~~5 54~~	~~46.0~~	~~-65~~	~~54.0~~	~~7.8~~	Identified as 8.1		
		~~-65~~	~~524~~	~~5 54~~	~~48.5~~	~~-65~~	~~58.6~~	~~8.5~~			
5 44	-65 47	-65	496	5 44	31.5	-65	46.9	5.0	5	44.6	-65 46
5 43	-65 46	-65	493	5 43	7.0	-65	46.8	8.8			

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V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Diff. Magn.
✓ 16.7	12.6	F2G		K	10	2	3.18	
✓ 16.2	14.1	H		K	10	2	{3.42 3.98	
✓ 17.0	14.2	a		η	R	2	3.47	
✓ 16.9	15.3	F2G			10	2	2.53	
✓ 16.9	18.1	G5K		K	10	2	{3.50 3.75	
✓ 16.5	18.5	H		ε	R	1	{4.00 F	
✓ 16.2	19.2	F2G		K	10	1	3.58	
✓ 16.6	22.8	F	5534	K	10	1	3.67	
✓ 16.6	23.2	G5K		K	10	2	{3.51 3.90	
✓ 16.4	23.4	a		ε	R	1	3.90	
✓ 16.3	23.8	G5K		K	10	1	{3.80 4.20	
✓ 17.6	5.9	a		ι	R	4	1.00	5.83 4.83
✓ 17.3	6.1	a		ε	R	1	3.67	
✓ 17.2	6.6	a		ε	R	1	3.78	
✓ 17.8	7.2	a		ε	R	1	3.90	
✓ 17.9	7.9	H		K	10	2	{3.37 3.77	
✓ 17.2	10.8	a		ε	R	1	3.80	
✓ 17.9	11.9	a		K	R	4	1.63	6.44 4.81
✓ 17.5	12.0	H		ε	R	1	{4.15 F	
✓ 18.0	13.2	F	5535	K	10	1	3.68	
✓ 17.7	13.4	a		η	4	2	3.95	
✓ 17.7	14.1	F	5536	K	10	1	3.60	
✓ 17.7	17.3	H		K	10	2	{3.54 4.05	
✓ 17.3	17.5	a		ε	R	1	3.98	
✓ 17.9	18.4	a		ε	R	1	3.89	
✓ 17.8	19.2	a		ε	R	1	4.20	
✓ 17.7	21.8	a		ε	R	1	3.98	
✓ 17.5	22.0	a		η	R	2	3.39	
✓ 17.6	22.2	F2G	5537	Θ	R	2	2.51	

Is this not 17.0 ?

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1875 C.P.D. 1875 1875

Approx	Design.	R.A. Dec.	Magn.	B.D. 1900 Photom	Dec 1900	
5 32	-66°	0 -66° 43'	5 32 57.8	-66°	1.6	8.2 ✓
5 28	-65	49 -65 46.9	5 25 37.0	-65	50.7	8.5 ✓
5 25	-66	13 -66 41.2	5 25 16.5	-66	12.5	8.4 ✓
5 19	-66	11 -66 39.9	5 19 48.0	-66	10.8	7.3 ✓
5 6	-66	6 -66 37.4	5 6 4.0	-66	7.8	8.9 ✓
5 4	-65	56 -65 42.3	5 4 14.0	-65	55.9	9.1 ✓
5 0	-65	45 -65 40.9	5 0 46.0	-65	43.9	8.7 ✓
4 43	-65	44 -65 37.6	4 43 23.0	-65	44.0	8.7 ✓
4 41	-65	45 -65 37.1	4 41 13.0	-65	45.0	8.7 ✓
4 40	-65	33 -65 36.9	4 40 31.5	-65	32.7	8.7 ✓
4 38	-65	32 -65 36.4	4 38 34.5	-65	31.0	8.9 ✓
6 6	-66	1 -66 49.3	6 6 0.5	-66	1.5	5.7 ✓
6 4	-65	49 -65 54.6	6 4 58.0	-65	50.1	8.7 ✓
6 2	-65	48 -65 53.9	6 2 28.0	-65	48.9	9.1 ✓
6 0	-66	15 -66 48.7	6 0 13.0	-66	13.3	9.0 ✓
5 56	-66	18 -66 47.8	5 56 5.0	-66	18.9	8.9 ✓
5 41	-66	10 -66 44.6	5 41 50.0	-66	8.8	8.8 ✓
5 36	-66	37 -66 43.9	5 36 53.5	-66	37.8	5.7 ✓
5 36	-66	22 -66 43.7	5 36 17.5	-66	21.8	9.3 ✓
5 30	-66	37 -66 42.5	5 30 41.0	-66	37.9	8.5 ✓
5 29	-66	33 -66 42.1	5 29 21.0	-66	31.9	7.7 ✓
5 26	-66	32 -66 41.3	5 26 1.0	-66	32.8	8.4 ✓
5 10	-66	36 -66 38.0	5 9 56.0	-66	34.4	8.8 ✓
5 9	-66	19 -66 37.8	5 8 58.0	-66	19.7	8.9 ✓
5 4	-66	36 -66 37.1	5 4 3.5	-66	36.1	neb. ✓
5 0	-66	30 -66 35.7	5 0 34.0	-66	31.3	9.3 ✓
4 47	-66	18 -66 32.6	4 47 5.5	-66	20.1	8.9 ✓
4 47	-66	12 -66 32.4	4 46 41.5	-66	13.5	8.5 ✓
4 46	-66	18 -66 32.0	4 45 32.5	-66	17.9	7.5 ✓

6 6.0 -66 1

5 36.9 -66 37

Lines faint Image hazy

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Plate B8901

V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.
✓17.8	23.5	a		ε	N	1	3.91		
✓17.1	23.6	H		ε	N	2	3.44 / 3.72		
✓18.2	8.3	H		ε	N	½	3.93 / F		
✓18.8	9.3	a		v	N	4	0.70	5.15	4.45
✓18.3	9.7	F	5538	K	10	1	3.37		
Discord 1901 18.0	11.4	F	5539	K	10	2	3.35		
✓18.7	12.4	a		ε	N	1	4.00		
✓18.2	13.0	F5G		K	10	2	3.56		
✓18.1	13.6	F5G		K	10	2	3.26		
✓18.3	17.0	F	5540	K	10	1	3.91		
✓18.5	18.8	F	5541	K	10	1	3.83		
✓18.9	18.6	F5G		K	10	1	3.82		
✓18.7	19.5	F	5542	K	10	1	3.90		
✓18.6	20.5	K		K	10	3	2.52 / 3.12 / 4.03 / F	6.27	3.75
✓18.5	21.4	H		ε	N	1			
✓18.4	21.6	a		ε	N	1	3.98		
✓18.5	22.1	F	5543	K	10	2	3.53		
✓19.0	22.4	F5G		K	10	2	3.50		
✓18.7	22.6	F	5544	K	10	2	3.72		
✓18.8	23.7	F	5545	K	10	1	3.82		
✓18.1	23.8	F	5546	K	10	1	3.95		
✓18.8	23.9	a		ε	N	1	3.68		
✓18.4	24.5	F2G		K	10	2	3.43		
✓20.0	6.9	a		O	N	3	2.28		
✓19.2	10.8	F2G			10	2	2.80		
✓19.7	11.0	a		X	1	3	2.10		
✓19.3	11.7	a		ε	N	1	3.83		
✓19.9	12.3	Ma			N	1	4.25 / F		
✓19.1	12.5	a		ε	N	1	3.80		

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1875	C.P.D.		1875		1875								
Approx	Design		R.A.		Dec.		Magn.		R.A. 1900		Dec. 1900		
4	39	+66°	15	-66°	3 12	4	39	0.5	-66°	15.6	8.9	✓	
4	39	-65	54	-65	365	4	39	7.5	-65	54.2	8.7	✓	
5	51	-66	31	-66	476	5	54	42.0	-66	30.1	9.1	✓	
5	50	-66	57	-66	463	5	50	0.5	-66	55.9	5.0	✓	5 50.0 -66 56
5	48	-66	40	-66	457	5	48	21.5	-66	39.9	8.7	✓	
5	39	-67	7	-67	486	5	39	44.3	-67	6.3	8.4	✓	Identified as 19.0.
5	34	-66	59	-66	433	5	34	49.3	-66	58.8	8.9	✓	
5	31	-66	45	-66	426	5	31	38.5	-66	45.8	8.5	✓	
5	29	-66	47	-66	418	5	29	7.5	-66	46.9	8.5	✓	
5	11	-66	49	-66	382	5	11	10.5	-66	50.1	8.8	✓	
5	2	-66	54	-66	364	5	2	19.0	-66	53.6	8.8	✓	
5	3	-67	6	-67	382	5	3	3.3	-67	5.0	9.1	✓	
4	58	-66	54	-66	351	4	58	43.3	-66	54.9	8.8	✓	
4	53	-66	52	-66	338	4	53	19.0	-66	52.5	8.0	✓	4 53.3 -66 51
4	49	-66	46	-66	329	4	48	52.0	-66	46.2	9.0	✓	
4	48	-66	42	-66	328	4	48	4.0	-66	41.3	8.9	✓	
4	46	-66	45	-66	321	4	45	37.5	-66	44.7	8.6	✓	
4	43	-66	58	-66	319	4	43	18.2	-66	58.3	8.4	✓	
4	43	-66	45	-66	317	4	42	43.0	-66	45.7	8.6	✓	
4	37	-66	42	-66	310	4	37	13.0	-66	42.5	8.6	✓	
4	36	-66	41	-66	307	4	36	25.0	-66	40.7	8.6	✓	
4	37	-66	20	-66	309	4	37	10.5	-66	21.9	8.8	✓	
4	34	-66	25	-66	303	4	33	56.5	-66	26.7	8.5	✓	
6	3	-67	20	-67	549	6	3	23.5	-67	18.0	7.5	✓	
5	42	-67	12	-67	496	5	42	53.0	-67	11.4	7.9	✓	
5	41	-67	26	-67	492	5	41	59.5	-67	27.6	7.0	✓	
5	38	-67	15	-67	485	5	38	37.0	-67	15.2	9.0	✓	
5	35	-67	32	-67	473	5	35	17.0	-67	33.1	8.8	✓	
5	33	-67	11	-67	458	5	32	41.0	-67	10.4	8.9	✓	

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V.	H.	Tel	Rem.	L.	K.	Int.	Br.	Photom. Diff. Magn.	
✓	18.4	13.8	a		ε	n	1	3.98 3.55	
✓	18.5	13.2	a		ε	n	1	3.90	
✓	20.0	13.7	a		ε	n	1	3.55	
✓	19.9	14.1	a		ε	n	1	3.80	
✓	19.2	15.2	a		ε	n	1	3.95	
✓	19.9	15.8	a		ε	n	1	3.70	
✓	19.2	16.5	Gs	K		12	4	1.30 1.60	4.78 3.48
✓	19.1	16.8	H		ε	n	1	3.98 H	
✓	19.3	17.4	H	5547	K	10	2	3.78	
✓	18.8	17.9	a		ε	n	1	3.90	
✓	19.9	18.8	H	5548	K	10	1	3.61	
✓	19.6	20.1	H	5549	K	10	1	3.80	
✓	19.8	20.2	H		ε	n	1	4.10 H	
✓	19.2	20.5	a		ε	n	1	4.02	
✓	19.6	20.6	a		ε	n	1	3.87	
✓	19.4	22.8	H		K	10	2	3.38 3.90	
✓	19.6	24.0	H		ε	n	1	4.03 H	
✓	20.1	6.2	K		K	10	2	2.47 3.18	
✓	20.4	6.3	H		ε	n	1	3.72 4.15	
✓	20.5	10.0	a		ε	n	1	3.92	
✓	20.4	10.2	a		η	n	2	3.27	
✓	21.0	10.8	G		K	10	2	3.15	
✓	20.6	12.3	a		ε	n	1	3.68	
✓	20.7	12.6	H	5549	K	10	2	3.37	
✓	20.3	13.3	a		ε	n	1	3.95	
✓	20.5	13.7	H		ε	n	1	4.15 H	
✓	20.9	13.8	H		ε	n	1	3.75 4.20	
✓	20.5	14.0	a		ε	n	1	4.10	
✓	20.8	14.3	Gs	K		K	10	2	3.40 3.75

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1875	C.P.D	1875	1875							
Approx	Design.	R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900				
5h 31m	-67° 3	-67° 45'	5h 31m 2.3s	-67°	3.7	10.0	~~Incl.~~ visit -67 45 2 ; ~~checked as 45~~ 3.			?
5 31	-67 23	-67 45 1	5 30 54.0	-67	22.4	ref.	Lines faint. Image hazy ?			
5 28	-67 42	-67 44 2	5 28 13.0	-67	41.5	8.7				
5 26	-67 40	-67 43 4	5 26 26.0	-67	39.1	9.1				
5 20	-67 18	-67 41 8	5 20 18.5	-67	17.0	9.2				
		-67 41 9	5 20 20.5	-67	18.4	9.4				
5 17	-67 41	-67 41 0	5 16 59.5	-67	40.3	8.7				
5 14	-67 18	-67 40 1	5 13 51.0	-67	17.5	6.3	5	13.9	-67	18
5 12	-67 15	-67 39 5	5 12 22.5	-67	14.2	9.3				
5 9	-67 19	-67 39 2	5 8 56.0	-67	19.3	8.9				
5 6	-67 33	-67 39 1	5 6 27.0	-67	32.9	9.1				
5 1	-67 37	-67 38 0	5 1 28.0	-67	37.4	9.0				
4 55	-67 23	-67 36 4	4 55 9.0	-67	21.9	9.0				
4 54	-67 28	-67 36 0	4 54 21.0	-67	28.9	9.0				
4 53	-67 6	-67 35 8	4 53 24.0	-67	7.3	9.1				
4 52	-67 22	-67 35 6	4 52 35.8	-67	21.1	8.8				
4 41	-67 7	-67 34 0	4 41 24.0	-67	8.0	8.8				
4 35	-67 10	-67 33 1	4 35 28.5	-67	9.7	8.8				
6 7	-67 15	-67 55 7	6 7 6.0	-67	15.8	8.2				
6 7	-67 24	-67 55 5	6 6 41.0	-67	24.1	9.1				
5 48	-67 48	-67 51 5	5 47 45.5	-67	47.7	9.1				
5 46	-67 45	-67 50 9	5 46 29.0	-67	45.0	7.8				
5 44	-68 8	-68 43 1	5 44 9.5	-68	7.9	8.3				
5 36	-67 55	-67 47 5	5 36 3.5	-67	56.7	9.0				
5 34	-68 2	-68 38 8	5 34 17.5	-68	1.1	8.8				
5 30	-67 48	-67 44 9	5 30 20.0	-67	49.8	9.0				
5 29	-67 58	-67 44 5	5 28 48.5	-67	58.1	9.2				
5 28	-68 10	-68 37 7	5 28 10.0	-68	10.2	9.2				
5 26	-67 55	-67 43 6	5 26 50.0	-67	55.4	9.0				
5 25	-68 6	-68 36 9	5 25 29.5	-68	6.4	8.5				

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1903phae.proj..898F

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Plate B 8901

V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.
✓20.5	14.3	H		E	N	1	{3.93 F		
✓20.9	14.7	A		E	N	1	3.90		
✓20.9	14.8	A		E	N	1	3.79		
✓20.7	15.0	H		K	10	1	{3.95 F		
✓21.0	15.7	A		E	N	1	3.82		
✓21.2	15.8	A		E	N	2	3.78		
✓21.0	15.9	A		η	10	2	3.50		
✓20.9	16.0	H		K	10	2	{3.60 4.00		
✓20.9	16.4	F	5550	K	10	2	3.02		
✓20.4	16.6	A		E	N	1	3.65		
✓20.7	16.8	F	2G	K	10	2	3.37		
✓21.0	18.0	A		ι	1	3	2.35		
✓20.7	18.5	G	2K	K	10	2	{3.30 3.67		
✓21.0	18.7	Ma				2	{3.70 4.00		
✓20.3	19.6	A		E	N	1	3.90		
✓20.7	21.1	A		ι	3	3	2.61		
✓20.3	22.4	A		E	N	1	3.75		
✓20.3	23.6	A		E	N	1	4.05		
✓21.9	9.5	H		E	N	1	{3.87 F		
✓21.2	12.5	K		K	10	2	{3.08 3.53		
✓21.9	13.9	A	3 5551	K	10	3	1.57	6.15	4.58
✓21.7	15.5	F	5G	K	10	2	3.29		
✓21.5	15.6	A		E	N	1	3.60		
✓22.0	15.6	G		K	10	2	3.00		
✓21.7	15.7	A		E	N	1	3.52		
✓21.8	17.3	A		E	N	1	3.68		
✓21.8	17.8	F	5552	K	10	2	3.10		
✓21.9	18.3	F	5553	K	10	1	3.71		
✓21.8	19.6	A		E	N	1	3.50		

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1875 Approx	G.P.D Design.	1875 R.A.	1875 Dec.	Magn.	R.A. 1900	Dec. 1900	
5h 25m	-68° 6'	5h 25m	8.5s	-68°	0.3	9.2	✓
5 23	-68 11	5 23	26.0	-68	10.5	8.9	✓
5 22	-68 11	5 22	33.5	-68	11.3	9.0	✓
5 21	-68 6	5 21	20.5	-68	6.2	8.8	✓
5 17	-68 15	5 17	36.5	-68	15.9	9.1	✓
5 17	-68 18	5 17	11.0	-68	19.1	8.6	✓
5 16	-68 16	5 16	41.0	-68	16.0	8.7	✓
5 16	-68 12	5 16	2.5	-68	12.2	9.1	✓
5 14	-68 9	5 13	59.0	-68	9.7	8.4	✓
5 13	-67 52	5 13	10.0	-67	53.2	9.1	✓
5 6	-68 3	5 6	13.0	-68	3.1	8.9	✓
5 5	-68 15	5 5	28.5	-68	15.1	8.1	✓
5 3	-68 0	5 2	57.3	-68	1.1	9.0	✓
5 2	-68 12	5 1	51.5	-68	12.2	9.1	✓
4 57	-67 46	4 57	21.5	-67	46.1	9.2	✓
4 49	-67 54	4 49	3.0	-67	55.6	7.6	✓
4 42	-67 37	4 42	44.5	-67	38.2	8.9	✓
4 36	-67 28	4 36	31.0	-67	28.9	8.9	✓
5 51	-68 28	5 51	19.5	-68	27.4	9.0	✓
5 35	-68 7	5 35	11.0	-68	16.9	8.9	✓
	-68	5 35	11.0	-68	18.2	9.6	
5 27	-68 43	5 27	39.0	-68	43.2	7.5	✓ 5 27.6 -68 42
4 18	-68 36	4 18	36.0	-68	35.5	8.6	✓
4 18	-68 30	4 18	33.5	-68	29.0	8.8	✓
4 18	-68 43	4 18	11.5	-68	43.2	8.4	✓
4 18	-68 36	4 17	56.0	-68	36.1	8.7	✓
5 9	-68 38	5 8	54.5	-68	37.9	9.0	✓
5 6	-68 35	5 6	26.5	-68	34.9	8.6	✓
5 3	-68 41	5 3	32.0	-68	40.9	9.1	✓
4 56	-68 30	4 56	35.0	-68	30.8	9.0	✓

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V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Diff. Magn.
✓21.3	20.6	G		K	10	3	2.25	6.78 4.53
✓21.4	21.7	F2G		K	10	2	3.03	
✓21.8	24.6	F2G		K	10	2	3.10	
✓22.1	10.9	A		E	N	1	3.70	
✓22.3	11.2	A		E	N	2	3.50	
✓22.4	11.3	K		K	10	2	2.90 3.41	
✓22.9	11.7	Pec.	5554	E	N	2	2.97	
✓22.3	15.4	A		E	N	1	3.72	
✓22.4	17.2	A		E	N	1	3.50	
✓22.7	17.9	K		K	10	2	3.20 3.78	
✓22.2	18.9	A		O	7	2	2.95	
✓22.1	20.6	H		E	N	1	3.85 F	
✓22.9	21.0	A		E	N	1	3.71	
✓22.4	21.3	G		K	10	2	2.45	
✓22.7	22.2	H		K	10	2	3.43 3.95	
✓23.2	6.4	A		N	N	3	1.53	5.21 3.68
✓24.2	8.6	A		E	N	1	3.41	
✓23.0	9.3	H		E	N	1	4.03 F	
✓24.0	10.9	A		E	N	1	4.10	
✓23.4	11.2	A		E	N	1	3.88	
✓23.8	12.6	A		η	N	2	3.29	
✓23.9	16.7	H		K	10	2	3.10 3.90	
✓23.5	16.9	H		E	N	1	3.64 4.10	
✓23.2	17.0	A		E	N	2	3.58	
✓24.3	17.0	F	5555	K	10	2	3.34	8.86 5.52
✓24.4	17.8	A		E	N	1	3.58	9.46 5.88
✓24.0	18.4	A		η	5	2	2.97	8.32 5.35
✓23.3	17.9	H		E	N	1	3.81 F	
✓23.7	18.6	A		O	N	2	3.38	

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1875 C.P.D. 1875 1875

Approx	Design.	R.A. Dec.	Magn.	R.A. 1900	Dec. 1900	
4h 50	-68° 17	-68° 280 4h 51m 35.2	-68° 16.7	7.6	4 51.5	-68 15
4 45	-68 15	-68 272 4 45 17.0	-68 14.9	7.9		
4 30	-68 8	-68 268 4 30 6.0	-68 9.4	8.1		
5 44	-68 38	-68 428 5 43 53.0	-68 38.5	8.8		
5 43	-68 45	-68 420 5 42 45.5	-68 45.9	8.7		
5 42	-68 49	-68 418 5 41 59.5	-68 49.5	8.5		
5 39	-69 11	-69 456 5 39 35.6	-69 9.8	neb.	Is this the object measured? Yes.	
5 19	-68 53	-68 356 5 19 46.0	-68 53.1	9.2		
5 9	-68 54	-68 322 5 9 16.0	-68 54.9	neb.	Is this the object measured?	
		-68 323 5 9 21.0	-68 55.0	neb.	Lines faint Image hazy two superposed.	
5 6	-69 3	-69 327 5 5 31.5	-69 3.9	8.8		
5 0	-68 45	-68 300 5 0 21.0	-68 45.7	8.3		
4 51	-68 38	-68 281 4 51 48.7	-68 38.7	9.2		
4 48	-68 48	-68 278 4 48 25.5	-68 58.9	8.8		
4 47	-68 45	-68 277 4 46 59.5	-68 45.9	7.7		
4 42	-68 50	-68 271 4 41 54.5	-68 50.4	8.8		
6 8	-68 48	-68 474 6 9 29.5	-68 49.0	5.1	6 9.3	-68 49
5 57	-69 30	-69 549 5 58 16.0	-69 29.1	8.0		
5 53	-69 0	-69 448 5 53 20.7	-69 59.5	9.0		
5 45	-69 33	-69 517 5 45 5.5	-69 32.0	9.2		
5 43	-69 15	-69 508 5 43 40	-69 15.9	neb.		
5 35	-69 33	-69 396 5 35 43.5	-69 32.8	8.2		
5 12	-69 42	-69 340 5 12 23.5	-69 41.4	8.8		
5 11	-69 30	-69 337 5 11 20.5	-69 28.1	9.1		
5 10	-69 18	-69 334 5 10 13.0	-69 18.6	8.7		
		~~-69 335 5 10 16.0~~	~~-69 16.7~~	~~neb.~~		
5 10	-69 52	-69 336 5 10 24.0	-69 52.1	8.6	5 10.2	-69 50
5 5	-69 52	-69 329 5 5 49.0	-69 52.1	8.8	5 5.6	-69 50
5 2	-69 42	-69 321 5 2 24.5	-69 40.1	8.5	5 2.2	-69 38
5 5	-69 22	-69 328 5 5 38.0	-69 20.0	9.2		
5 1	-69 32	-69 320 5 1 14.0	-69 31.6	8.5		

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December 11, 1903

Plate B8901

	V.	H.	Cl	Rem.	L.	K.	Int.	Br.	Photom. Magn. Diff.
✓	24.2	19.7	a		ε	n	1		4.18
✓	24.0	20.0	a		η		5	2	3.30
✓	23.7	21.8	a		ε	n	1		4.22
✓	24.5	22.5	H		ε	n	1		3.97 F.
✓	23.3	22.7	a		θ		2	3	3.08
10.00 P. M. ✓	24.0	23.2	a		ε	n	1		3.80

10.15 P. M.

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1875 Approx	CPD Design	1875 1875 R.A. Dec.	Magn.	R.A. 1900	Dec. 1900	
4 55 -69° 42	-69 305	5h 55m 10.5s	-69°	41.1	9.2	✓
4 53 -69 36	-69 300	4 53 8.0	-69	36.3	8.6	✓
4 43 -69 18	-69 289	4 43 7.5	-69	18.4	8.8	✓
4 40 -69 40	-69 286	4 39 25.5	-69	41.6	8.9	✓
4 38 -69 13	-69 284	4 38 35.0	-69	3.3	7.6	✓
4 35 -69 19	-69 282	4 35 19.5	-69	20.0	8.8	✓

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June 27, 1904.

8.00 P.M. Plate B 5895 9.30 P.M.

V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.
4.8	6.2	a		E	n	1	4.00		
4.1	13.3	a		E	n	1	4.20		
4.6	22.7	F	56.21	r	10	3	1.6 3	4.08	2.55
							4.30	6.32	4.79
5.5	9.1	H		E	n	1	F	6.32	2.02
							4.36		
5.0	20.4	H		E	n	1	F	5.98	1.62
6.7	12.3	F	56.22	K	10	2	3.82		
6.3	15.2	a		r	n	2	3.11	6.34	3.23
6.3	17.1	a		E	n	1	3.85		
6.1	18.0	H		E	n	1	4.15		
							F	6.05	1.90
6.1	19.6	a		E	n	1	4.31		
7.0	19.8	a		E	n	2	3.84		
6.5	20.4	a		E	n	2	3.98		
7.6	9.1	K		K	10	3	3.10		
							3.60	5.16	2.06
7.9	13.1	F	56.23	Θ	10	3	2.72	5.74	3.02
7.5	15.9	a		E	n	1	4.30		
7.3	17.4	a		E	n	1	4.12		
7.7	18.6	a		η	n	2	3.58		
8.6	6.3	a		E	n	1	4.38		
8.2	16.8	a		E	n	1	4.40		
8.7	20.4	H		K	10	2	3.90		
							4.40	6.24	2.34
9.7	9.9	K		K	10	3	2.88		
							3.60	5.00	2.12
10.8	8.4	F	56.24	K	10	2	3.88		
10.0	12.3	a		E	n	1	4.22		
10.2	12.8	F	56.25	K	10	2	3.80		
11.0	15.1	a 2 F		Θ	2	2	3.00	6.43	3.43
10.9	15.7	a		E	n	1	4.30		
11.7	8.2	H		E	n	1	4.20		
							F		
12.0	11.2	a		E	n	2	3.22		
12.8	11.2	a		E	n	2	3.22		

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1903phae.proj..898F

1875	C.P.D.		1875		1875									
Approx	Design.	R.A.	Dec.		Magn.	R.A. 1900	Dec. 1900							
12 16	-72 48	-72	1240	12 15	8.0	-72	48.6	6.8	Int?					extreme edge
11 27	-73 14	-73	864	11 26	39.5	-73	12.8	7.2	✓					
10 21	-73 22	-73	733	10 21	52.5	-73	23.7	5.1	✓	10	22.4	-73	32	
		-73	735	10 22	12.0	-73	20.2	6.7		10	22.7	-73	28	
11 57	-73 33	-73	924	11 57	19.0	-73	31.0	7.6	✓	11	58.6	-73	39	
10 35	-73 50	-73	758	10 36	19.0	-73	50.7	7.5	✓	10	36.9	-73	58	
11 37	-74 33	-74	839	11 36	44.5	-74	32.0	7.1	✓					
11 14	-74 30	-74	801	11 15	6.0	-74	27.4	6.3	✓	11	16.0	-74	36	
11 0	-74 29	-74	771	11 0	57.0	-74	28.8	6.7	✓					
10 54	-74 27	-74	755	10 53	43.0	-74	25.8	7.6	✓	10	54.4	-74	34	
10 42	-74 22	-74	732	10 42	27.0	-74	20.8	7.6	✓					
10 40	-74 48	-74	727	10 39	44.0	-74	48.5	7.0	✓					
10 36	-74 30	-74	721	10 36	14.0	-74	30.4	6.9	✓					
12 0	-74 42	-74	880	12 1	15.5	-74	40.2	6.9	✓	12	2.6	-74	48	
11 32	-75 12	-75	744	11 32	6.5	-75	12.3	6.7	✓	11	33.1	-75	21	
11 9	-75 6	-75	720	11 9	40.0	-75	6.6	7.7	✓					
10 58	-75 0	-75	763	10 57	53.0	-75	59.7	7.2	✓					
10 48	-75 14	-75	695	10 48	22.0	-75	13.1	6.9	✓					
12 23	-74 43	-74	922	12 23	17.0	-74	42.5	7.2	✓					
11 2	-75 26	-75	711	11 2	13.0	-75	27.3	7.8	✓					
10 32	-75 38	-75	678	10 33	5.5	-75	39.7	7.6	✓	10	33.6	-75	48	
11 58	-75 48	-75	777	11 58	21.0	-75	49.5	7.0	✓	11	59.6	-75	57	
12 12	-76 6	-76	726	12 12	38.5	-76	6.2	7.6	✓					
11 40	-76 10	-76	688	11 40	13.0	-76	9.9	7.7	✓					
11 36	-76 22	-76	686	11 36	12.5	-76	21.5	7.5	✓					
11 17	-76 54	-76	662	11 17	44.0	-76	55.4	7.1	✓	11	18.5	-77	3	
11 11	-76 50	-76	657	11 11	21.0	-76	50.1	8.2	✓					
12 17	-76 30	-76	729	12 16	59.5	-76	31.1	8.2	✓					
11 52	-77 9	-77	766	11 52	27.0	-77	7.8	7.0	✓					
11 53	-77 30	-77	774	11 53	53.5	-77	29.7	6.8	✓					

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June 27, 1904

Plate B5895

	V.	H.	Cl.	Rem.	L.	K.	Int.	Bi.	Photom Magn.	Diff.
√	12.7	11.3	a		χ	9n	3	0.92	5.05	4.13
√	13.0	19.8	K		K	10	3	1.85 / 3.10	4.10	2.25
√	13.8	8.1	F	5626	K	10	1	4.21		
√	13.8	10.1	Ma		K	10	2	3.67 / 4.20	6.35	2.68
√	14.1	10.7	a		ε	9n	2	3.40		
√	14.0	10.8	a		ε	9n	2	3.60		
√	14.5	13.4	Ma		K	10	2	3.25 / 3.65	6.34	3.09
√	15.0	15.6	a		Θ	10	3	2.78	6.29	3.51
2ths not 18.0? √	14.8	17.0	Ma		ε	9n	1	3.58 / 4.11	6.12	2.54
√	14.9	19.3	a		ε	9n	1	4.02		
√	13.2	20.7	a		ε	9n	1	~~4.40 4.02~~		
√	14.4	21.7	F	5627	K	10	1	4.02		
√	14.7	22.4	a		ε	9n	1	4.00		
√	15.8	9.9	a		ε	9n	2	3.52		
√	15.3	10.1	a		λ	9n	5	B	4.38	
√	15.4	18.9	a		χ	9n	3	2.11	6.18	4.07
√	16.7	9.2	a		η	9n	2	3.18		
√	16.9	10.3	a		ε	9n	2	3.85		
√	16.9	13.6	a		Θ	9n	3	2.85		
√	16.4	14.4	a		ε	9n	1	4.20		
√	16.8	18.4	a		ν	9n	4	0.30	4.62	4.32
√	16.6	18.5	Ma		K	10	3	2.68 / 3.00	5.48	2.80
√	16.9	19.4	F	5628	K	10	2	3.60		
√	16.9	23.1	a		η	9n	2	3.18		
√	13.7	24.5	a		ε	9n	1	4.08		
√	18.1	7.2	a		ε	9n	1	4.20		
√	19.0	6.8	a		η	9n	2	3.21		
√	18.8	7.1	a		ε	9n	1	4.28		
√	19.0	8.6	a		η	9n	2	3.55		

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1875 CPD. 1875 1875

Approx	Design.	CPD Zone	Magn.	R.A. 1900	Dec. 1900			
11 53	-77 32	-77 772	11h 53m 26s.5	-77°	31.6	5.1 ✓	11	54.7 -77 40
10 34	-77 59	-77 622	10 33 57.0	-77	57.5	6.8 ✓	10	34.3 -78 6
12 24	-77 30	-77 840	12 24 20.3	-77	30.1	7.6 ✓		
12 7	-77 53	-77 804	12 6 57.0	-77	52.7	7.7 ✓	12	8.3 -78 1
12 2	-78 6	-78 730	12 2 23.0	-78	5.2	6.9 ✓		
12 0	-78 4	-78 727	12 0 28.0	-78	2.7	7.3 ✓		
		-78 728	12 0 30.0	-78	4.8	8.9		
11 36	-78 36	-78 677	11 37 40.0	-78	36.7	7.3 ✓	11	38.6 -78 45
11 14	-78 59	-78 638	11 14 56.0	-78	59.0	6.8 ✓	11	15.6 -79 7
10 50	-78 54	-78 589	10 50 21.0	-78	53.7	8.1 ✓	10	50.8 -79 2
10 37	-78 50	-78 570	V 10 37 12.0	-78	51.6	7.7 ✓		
10 24	-77 58	-77 611	" 10 24 49.0	-77	57.6	8.0 ✓		
10 12	-78 22	-78 529	" 10 13 47.0	-78	22.8	7.5 ✓		
10 5	-78 28	-78 509	" 10 5 36.0	-78	27.2	7.7 ✓		
12 14	-78 46	-78 747	12 14 15.0	-78	46.3	7.4 ✓		
12 11	-78 37	-78 741	12 11 3.0	-78	37.1	4.5 ✓	12	12.5 -78 45
10 40	-79 6	-79 548	V 10 40 32.0	-79	7.8	6.0 ✓	10	40.8 -79 16
12 24	-79 6	-79 693	12 24 4.0	-79	5.5	7.3 ✓		
12 14	-79 22	-79 686	12 13 50.0	-79	22.0	7.6 ✓		
11 38	-79 47	-79 648	V 11 38 34.0	-79	47.4	6.6 ✓		
11 29	-79 33	-79 637	V 11 29 17.0	-79	33.6	7.9 ✓		
10 45	-79 53	-79 556	V 10 44 36.0	-79	52.8	4.8 ✓	10	44.8 -80 1
10 44	-79 46	-79 554	V 10 44 1.0	-79	48.5	7.2 ✓	10	44.4 -79 57
10 34	-79 52	-79 529	V 10 33 28.0	-79	52.3	7.4 ✓		
9 53	-79 27	-79 457	V 9 52 47.0	-79	28.2	6.9 ✓		
9 50	-77 42	-77 556	9 49 48.3	-77	41.8	7.7 ✓		
12 50	-79 15	-79 713	V 12 49 43.0	-79	16.3	8.2 ✓		
13 8	-79 18	-79 723	V 13 7 38.0	-79	18.9	6.7 ✓		
12 55	-79 32	-79 717	12 53 56.0	-79	32.8	8.0 ✓		
12 40	-80 1	-80 670	V 12 39 57	-80	1.3	7.3 ✓		

Correct if 18.0 intended?

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1903phae.proj..898F

June 27, 1904

Plate B 5-8 95

	α	δ	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.
√	18.2	11.2	a	ε	𝔑	1	4.00		
√	18.9	11.5	a	ε	𝔑	1	3.83		
√	18.7	14.8	H	ε	𝔑	1	4.35 F		
√	17.2	12.5	a	η	𝔑	2	3.80		
√	17.4	17.3	a	ε	𝔑	1	3.95		
√	17.6	18.0	a	ε	𝔑	1	4.07		
√	19.0	16.9	H	ε	𝔑	1	4.28 F		
√	18.8	17.2	F 23	K	10	2	3.53	6.67	3.14
Distant 18.9 √	19.9	19.2	H	ε	𝔑	1	4.18 F		
√	18.2	19.3	a	ε	𝔑	1	4.20		
√	18.1	19.7	H	ε	𝔑	1	4.43 F		
√	19.0	23.8	a	ι	𝔑	3/2	1.95	5.24	3.29
√	20.3	7.9	H	ε	𝔑	1	4.15 F		
√	20.9	17.2	a	η	𝔑	2	3.75		
√	20.0	18.4	H	ε	𝔑	1	4.32 F		
√	19.7	19.1	a	η	𝔑	2	3.35	7.02	3.67
√	19.3	20.1	a	ε	𝔑	2	3.70		
√	19.5	21.2	H	K	10	2	3.70 4.11	6.60	2.90
√	19.1	24.7	F 5629	K	10	2	2.90	5.44	2.54
√	21.3	6.9	H	ε	𝔑	1	4.30 F		
√	21.9	14.6	K	K	10	2	3.58 4.10	6.22	2.64
√	21.8	19.7	H	K	10	2	4.00 4.40		
√	21.3	20.7	H	ε	𝔑	1	4.35 F		
√	20.7	21.1	a	ι	𝔑	3	2.21	5.62	3.41
√	20.4	22.9	H	ε	𝔑	1	4.10 4.40		
√	21.6	23.0	a	ε	𝔑	1	4.18	~~5.24~~	
√	22.3	21.8	a	ε	𝔑	1	4.28		
√	23.5	9.6	a	ε	𝔑	1	3.85		
√	24.0	12.3	a	ε	𝔑	2	3.00		

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1993phae.proj...899F

1875												
Asp.												
12	8	-80	6	-80	646	12	8	29	-80	5.4	7.6	✓
12	7	-80	30	-80	642	12	7	38	-80	29.9	7.6	✓
11	28	-80	45	-80	570	11	27	49	-80	44.4	8.2	✓
11	50	-79	48	-79	661	11	51	17.0	-79	47.9	7.6	✓
10	57	-80	10	-80	504	10	56	31	-80	9.8	7.8	✓
10	48	-80	15	-80	490	10	48	44	-80	16.3	8.0	✓
11	0	-80	58	-80	522	11	1	15	-80	56.9	8.2	✓
10	58	-80	53	-80	509	10	57	43	-80	53.2	7.4	✓ 10 58.1 -81. 1
10	32	-80	58	-80	467	10	32	53	-80	58.7	8.1	✓
10	33	-80	30	-80	468	10	32	54	-80	31.0	7.6	✓
10	29	-80	26	-80	462	10	28	49	-80	25.1	8.4	✓
9	37	-80	23	-80	365	9	37	28	-80	22.7	5.2	✓ 9 36.8 -80 30
12	53	-80	29	-80	684	12	53	41	-80	28.7	8.3	✓
10	58	-81	55	-81	478	10	57	24	-81	54.6	7.5	✓
10	43	-81	23	-81	467	10	42	20	-81	22.7	8.2	✓
10	32	-81	16	-81	448	10	32	16.9	-81	16.9	9.0	✓
				-81	449	10	32	33	-81	16.5	7.1	10 32.4 -81 25
10	20	-81	0	-81	423	10	21	33	-81	1.0	7.3	✓
10	6	-80	57	-80	423	10	6	27	-80	57.4	7.8	✓ 10 6.1 -81 4
9	28	-80	15	-80	350	9	28	14	-80	14.8	6.1	✓ 9 27.5 -80 22
13	12	-80	38	-80	686	13	11	5	-80	38.9	8.6	✓
11	37	-82	24	-82	469	11	36	40	-82	24.4	8.0	✓ 11 37.6 -82 32
10	20	-82	18	-82	396	10	20	51	-82	16.8	8.1	✓
10	6	-81	54	-81	409	10	6	50	-81	53.9	8.4	✓
10	4	-81	37	-81	399	10	3	58	-81	36.6	6.3	✓ 10 3.4 -81 44
9	43	-81	8	-81	365	9	42	33	-81	8.3	7.9	✓
9	35	-81	42	-81	357	9	35	7	-81	42.4	7.6	✓ ~~9 36.8 -80 30~~
9	48	-82	14	-82	351	9	47	58	-82	12.6	8.2	✓
12	55	-82	17	-82	556	12	54	33	-82	16.6	7.9	✓
12	20	-83	6	-83	461	12	20	3	-83	6.6	6.4	✓

correct if 18.9 intended

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1903phae.proj..898F

June 27, 1904

Plate B5895

V. H. Cl. Rem. L. K. Int. Br. Prot. om. Magn. Diff.

	√	23.8	13.2	Q	E	N	2	3.80 3.87
9.35 P.M.	√	24.3	19.9	H	E	N	1	F
								9.50

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1903phae.proj..898F

	1875		CPD.	1875	1875				
	Apparent		Design.		P.M.	Dec.	Magn.	R.A. 1900	Dec. 1900
12	4	- 83° 5	-83	44	12	3	59	-83° 4.9	7.0 ✓
10	11	- 83 27	-83	36	10	11	16	-83 28.5	7.4 ✓

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1903phae.proj..898F

June 28, 1904

8.15 P.M. Plate B 10821 8.50 P.M.

V.	H.	Cl.	Rem.	L.	K.	Int.	Bv	Photom. Magn.	Diff.	
~~Where is this star?~~ √5.8	7.5	A		E	n	1	4.35			
√4.7	8.7	F	5630	K	10	2	3.60	6.03	2.43	13
√4.5	12.3	F	5631	K	10	1	4.26			13
√5.6	12.7	A		r	n	2	3.21	6.44	3.23	13
√4.8	20.2	A		O	n	2	3.52	6.52	3.00	12
√6.2	21.3	A		E	n	1	4.19			12
√5.7	24.1	K		K	10	2	3.17 3.88	5.16	1.99	12
√6.5	8.4	A		E	n	1	4.40			14
√7.0	14.0	A		E	n	1	4.27			13
√6.7	15.1	A H		E	n	1	4.22			13
√6.2	20.1	H		E	n	1	4.30 F			12
√7.9	8.8	F	5632	K	10	1	4.32			14
√8.0	22.0	F2	G	K	10	2	3.83			12
√7.9	23.8	K		K	10	3	3.00 3.55	5.00	2.00	11
√8.2	6.7	H		E	n	1	4.40 F			14
√8.8	7.3	K		K	10	2	3.63 4.12	5.95	2.32	14
√8.4	7.5	H		E	n	1	4.13 F			14
√8.1	10.0	Nc		K	10	3	3.63 3.50	var.	R.	13
√9.0	13.8	F2	G	K	10	3	3.31	6.48	3.17	13
√8.8	21.3	H		E	n	1	4.22 F			12
√7.8	21.2	H		E	n	1	4.36 F			12
√9.9	6.3	Q		O	n	2	3.10			14
√9.8	6.9	Q		r	n	2	3.57			14
√10.2	9.2	H		K	10	2	3.77 4.10	6.24	2.47	14
√10.6	15.9	G	K	K	10	2	3.07 3.41	5.77	2.70	13
√10.6	16.5	A		r	n	2	2.81			12
√10.4	20.2	A		E	n	1	4.05			12
√11.0	23.4	A		u	n	4	0.93	5.05	4.12	11
√10.6	23.7	A	G	r	3	2	3.35			11

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1903phae.proj..898F

Approx	Design		R.A.	Dec.	Mag.		R.A. 1900		Dec. 1900	
1875	C.P.D.	1875								
	-74°	116	14	8 23.0	74	35.8	7.6	✓		
13	31 - 74	28	-74	1142	13	57	30	-74	15.2	6.7 ✓	13	59.2	-74	22
13	31 - 74	28	-74	1081	13	31	45	-74	28.7	7.4 ✓				
13	29 - 75	3	-75	882	13	28	33.5	-75	2.8	6.3 ✓	13	30.7	-75	11
12	31 - 74	41	-74	955	12	31	15.5	-74	40.9	6.6 ✓	12	32.9	-74	49
12	23 - 74	43	-74	922	12	23	17.0	-74	42.5	7.2 ✓				
12	1 - 74	42	-74	880	12	1	15.5	-74	40.2	6.9 ✓	12	2.6	-74	48
14	2 - 75	12	-75	941	14	2	25.0	-75	10.2	7.9 ✓				
13	20 - 75	55	-75	874	13	19	31.0	-75	55.4	7.7 ✓				
13	10 - 75	45	-75	859	13	10	4.0	-75	45.6	8.0 ✓				
12	30 - 75	23	-75	827	12	30	52.0	-75	22.5	8.3 ✓				
14	2 - 75	53	-75	939	14	2	6.0	-75	52.1	7.9 ✓				
12	12 - 76	6	-76	726	12	12	38.5	-76	6.2	7.6 ✓				
11	58 - 75	5	-75	777	11	58	21.0	-75	49.5	7.0 ✓	11	59.6	-75	57
14	19 - 75	44	-75	965	13	4 18	48.0	-75	42.9	8.2 ✓				
14	17 - 76	10	-76	826	14	16	30.0	-76	9.9	7.5 ✓	14	19.0	-76	17
14	14 - 75	58	-75	955	14	13	58.5	-75	57.0	7.6 ✓				
13	53 - 76	12	-76	799	13	53	14.0	-76	11.4	7.4 ✓	13	55.6	-76	19
13	22 - 76	55	-76	767	13	22	27.0	-76	55.0	7.2 ✓	13	24.6	-77	3
			-76	769	13	22	33.0	-76	55.4	9.1				
12	16 - 76	30	-76	729	12	16	59.5	-76	31.1	8.2 ✓				
12	20 - 76	4	-76	734	12	19	51.0	-76	3.8	8.4 ✓				
14	28 - 76	29	-76	848	14	28	11.9	-76	28.1	6.6 ✓				
14	23 - 76	32	-76	834	14	22	18.0	-76	33.4	7.2 ✓				
14	4 - 77	6	-77	940	14	3	49.5	-77	4.8	7.8 ✓	14	6.3	-77	12
			-77	941		3	59.0		5.8	8.7				
13	4 - 77	48	-77	890	13	3	37.5	-77	47.0	7.5 ✓	13	6.0	-77	55
12	58 - 77	47	-77	887	12	58	20.0	-77	46.6	6.9 ✓				
12	24 - 77	30	-77	840	12	24	20.3	-77	30.1	7.6 ✓				
11	53 - 77	33	-77	772	11	53	26.5	-77	31.6	5.1 ✓	11	54.7	-77	40
11	52 - 77	9	-77	766	11	52	27.0	-77	7.8	7.0 ✓				

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1903phae.proj..898F

June 28, 1904

Plate B 10821

V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√ 11.4	11.4	a		K	n	3	2,50	6.20	3.70	13
√ 11.6	14.3	F	5633	K	10	1	4.30			13
√ 11.7	14.8	F	5634	K	10	1	4.32			13
√ 11.4	15.5	a5F		η	5	2	3.30			13
√ 11.5	21.8	K5m		K	10	2	3.60 4.10	6.35	2.75	12
√ 12.0	22.2	a5F		η	5	2	3.35			12
√ 12.0	22.4	a		ε	n	1	3.90			12
√ 12.3	8.8	K5m		K	10	2	3.75 F			14
√ 13.0	14.3	K		K	10	1	4.02 F			13
√ 13.0	20.7	a		η	n	2	3.58			12
√ 12.7	21.1	a		μ	n	4	0.56	4.38	3.82	12
√ 13.9	6.4	a		ε	n	1	3.73			14
√ 13.7	7.3	K		K	12	3	1.55 2.48	3.81	2.26	14
√ 13.6	15.6	a		ι	1	3	2.50			13
√ 13.7	17.2	a		ε	n	1	4.03			12
√ 13.5	19.7	a		θ	n	2	3.28			12
√ 13.8	24.3	K		K	10	2	3.43 3.77	6.34	2.91	11
√ 14.9	9.2	K5m		K	10	1	3.68 4.00			14
√ 15.0	9.6	F	5635	K	10	1	3.92			14
√ 14.8	10.2	B	5636	V		4	1.73	5.20	3.47	14
√ 14.6	12.7	F	5637	K	10	1	4.03			13
√ 14.3	14.7	F	5638	K	10	1	4.27			13
√ 14.2	16.8	F	5639	K	10	1	4.33			12
√ 14.3	20.5	a		ε	n	2	3.88			12
√ 15.8	5.9	a		ε	n	1	4.10			14
√ 15.2	8.8	a		ε	n	1	4.10			14
√ 15.6	9.8	a		ε	n	1	4.20			14
√ 15.8	11.7	a		ε	n	2	3.88			13
√ 15.9	16.8	H		K	10	1	4.00 4.35			12

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1875	B.P.D.	1875	1875									
Approx	Design.	R.A.	Dec.	Magn.			R.A. 1900		Dec. 1900			
13h 47m	-77°	59	-77	692	2	13h 47m 44.0	-77°	58.7	6.4 ✓	13	50.2	-78 7
13 19	-78	12	-78	813		13 19 0.0	-78	12.5	7.7 ✓			
13 14	-78	18	-78	808		13 14 7.0	-78	17.8	7.9 ✓			
13 8	-78	10	-78	800		13 7 44.0	-78	9.8	7.2 ✓			
12 7	-77	53	-77	804		12 6 57.0	-77	52.7	7.7 ✓	12	8.3	-78 1
12 2	-78	6	-78	730		12 2 23.0	-78	5.2	6.9 ✓			
12 0	-78	3	-78	727		12 0 28.0	-78	2.7	7.3 ✓			
14 14	-78	3	-78	853		14 13 9.0	-78	2.9	7.9 ✓			
13 20	-79	0	-79	733		13 20 21.0	-79	0.7	8.2 ✓			
12 15	-78	45	-78	747		12 14 15.0	-78	46.3	7.2 ✓			
			-78	748		12 14 21.0	-78	49.8	8.9			
12 10	-78	37	-78	741		12 11 3.0	-78	37.1	4.5 ✓	12	12.5	-78 45
14 40	-78	23	-78	917		14 40 0.0	-78	21.9	7.5 ✓			
14 32	-78	30	-78	893		14 32 24.0	-78	30.7	6.9 ✓	14	35.4	-78 37
13 7	-79	20	-79	723		13 7 38.0	-79	18.9	6.7 ✓			
12 49	-79	15	-79	713		12 49 43.0	-79	16.3	8.2 ✓			
12 24	-79	6	-79	693		12 24 4.0	-79	5.5	7.3 ✓			
11 37	-78	37	-78	677		11 37 40.0	-78	36.7	7.3 ✓	11	38.6	-78 45
14 18	-79	24	-79	766		14 18 17.0	-79	23.7	8.0 ✓			
14 15	-79	33	-79	760		14 14 3.0	-79	32.2	7.7 ✓			
14 7	-79	32	-79	755		14 7 22.0	-79	31.7	5.2 ✓	A.G.C. 19289 ✓ 1900 h 14 m 10.3		-79° 39′ 5.5 ✓ ε Apodis
13 40	-79	38	-79	744		13 40 3.0	-79	39.0	7.7 ✓			
13 17	-79	36	-79	730		13 17 5.0	-79	36.3	8.0 ✓			
12 53	-79	33	-79	717		12 53 56.0	-79	32.8	8.0 ✓			
12 14	-79	23	-79	686		12 13 50.0	-79	22.0	7.6 ✓			
14 54	-79	8	-79	778		14 53 20.0	-79	7.5	7.7 ✓			
14 22	-79	28	-79	770		14 22 19.0	-79	26.6	8.0 ✓			
14 14	-79	46	-79	758		14 13 48.0	-79	46.7	7.8 ✓			
13 53	-80	10	-80	701		13 53 21	-80	9.7	7.6 ✓			
12 53	-80	30	-80	684		12 53 41	-80	28.7	8.3 ✓			

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V.	H.	Cl.	Rem.	L.	K	Int.	Br.	Photom. Magn.	Diff	
15.1	18.0	A2F		η	3	2	3.40			12
15.8	20.7	A		ε	N	2	3.90			12
15.6	22.3	A		η	N	2	3.72			11
16.9	23.3	A		ι	N	2	3.07			11
16.9	24.2	A		ε	N	1	4.20			11
16.9	6.8	A		η	N	2	3.28			14
16.4	11.1	A2F	Rec 5640	λ	2	3	1.70	4.97	3.27	14
16.3	15.3	H		ε	N	1	4.22 F			13
16.8	19.8	H		ε	N	1	4.32 F			12
16.6	20.6	A		ε	N	2	3.88			12
20.0	11.8	A		~	N	3	2.61	6.37	3.76	14
19.8	13.1	H		ε	N	1	4.11 F			13
19.3	13.5	K		K	10	2	3.23 3.80	5.76	2.53	13
19.5	16.6	A5F		η	8	2	3.62			12
21.4	9.7	Ma		K	10	3	2.88 3.35	5.55	2.67	14
21.6	10.0	K		K	10	3	2.85 3.20	5.60	2.75	14
21.6	12.2	Rec		K	12	3	1.93 3.65	4.14	2.21	14
21.6	14.8	F	5641	K	10	2	3.84			13
21.4	18.6	A		χ	N	2	3.00			12
21.6	19.5	A		η	N	2	3.75			12
20.8	21.6	K		K	10	2	3.43 3.95	6.22	2.80	11
22.8	12.1	H		ε	N	1	4.35 F			14
23.1	13.4	K		K	10	2	3.82 4.00			13
23.8	17.0	K		K	12	2	2.82 3.28	5.38	2.56	12
22.4	18.1	F	5642	K	10	1	4.16			12
8.50 P.M. 23.0	24.4	A		ε	N	1	4.32			11

9.21 P.M.

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1903phae.proj..898F

1875 C.P.D. 1875 1875

Asphrop	Design.	R.A. Dec.	Magn.	R.A. 1900	Dec. 1900	
12h 40m	- 80° 0'	80° 670	12h 39m 57s	-80°	1.3' 7.3 ✓	
12 8	- 80 6	-80 646	12 8 29	-80	5.4 7.6 ✓	
11 51	- 79 48	-79 661	11 51 17.0	-79	47.9 7.6 ✓	
11 39	- 79 48	-79 648	11 38 34.0	-79	47.4 6.6 ✓	
11 28	- 79 33	-79 637	11 29 17.0	-79	33.6 7.9 ✓	
14 51	- 79 48	-79 795	14 50 54.0	-79	49.3 7.0 ✓	
14 2	- 80 24	-80 706	14 2 39	-80	25.1 6.5 ✓	14 5.7 - 80 32
13 10	- 80 40	-80 686	13 11 5	-80	38.9 8.6 ✓	
12 17	- 80 40	-80 655	12 16 0	-80	39.7 8.1 ✓	
12 8	- 80 29	-80 642	12 7 38	-80	29.9 7.6 ✓	
14 5	- 82 15	-82 601	14 6 5	-82	16.1 7.3 ✓	14 9.6 - 82 23
13 46	- 82 18	-82 587	13 46 25	-82	18.6 8.7 ✓	
13 40	- 82 3	-82 585	13 39 53	-82	2.6 8.0 ✓	13 42.9 - 82 11
12 54	- 82 16	-82 556	12 54 33	-82	16.6 7.9 ✓	
14 44	- 82 32	-82 636	14 43 13	-82	31.9 8.0 ✓	14 47.3 - 82 38
14 40	- 82 44	-82 629	14 40 5	-82	43.1 7.0 ✓	14 44.2 - 82 49
14 8	- 82 6	-82 557	14 7 8	-82	5.5 6.4 ✓	14 10.9 - 83 13
13 23	- 83 16	-83 533	13 23 47	-83	16.1 7.3 ✓	
12 20	- 83 7	-83 461	12 20 3	-83	6.6 6.4 ✓	
12 3	- 83 4	-83 444	12 3 59	-83	4.9 7.0 ✓	
11 36	- 82 25	-82 469	11 36 40	-82	24.4 8.0 ✓	11 37.6 - 82 32
14 15	- 83 36	-83 558	14 14 21	-83	35.2 8.4 ✓	
13 53	- 83 58	-83 547	13 53 4	-83	56.8 7.6 ✓	
12 40	- 84 27	-84 407	12 42 5	-84	26.6 6.7 ✓	12 44.4 - 84 35
12 25	- 83 26	-83 470	12 26 9	-83	35.1 7.9 ✓	
11 26	- 83 24	-83 447	11 27 14	-83	24.4 8.0 ✓	

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4.20 P.M. Plate B 10822 9.50 P.M.

	R.	H.	Cel.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
✓	4.8	14.6	a		ε	N	1		4.25		15
✓	5.4	16.6	H		ε	N	1		4.42 F		14
✓	4.6	17.9	a		ι	N	2		3.18	6.32	14
✓	4.5	19.1	a		η	N	2		3.68		14
✓	4.8	20.2	H		K	10	1		4.00 F		14
✓	5.4	23.1	a		ε	N	1		4.31		14
✓	5.1	24.7	H		K	10	2		3.51 3.80		14
✓	6.4	10.3	a		ε	N	1		4.18		15
✓	6.8	12.8	a		R	1	3		2.82	6.02	15
✓	7.7	7.9	H		ε	N	1		4.25 F		16
✓	7.4	14.9	a		η	N	2		3.55		15
✓	7.6	15.1	H		K	10	2		3.77 3.73	5.35	14
✓	7.3	21.2	H		K	10	1		4.30 F		14
✓	8.1	6.8	a		ε	N	1		4.40		16
✓	8.5	17.8	H		K	10	2		3.74 3.66	5.96	14
✓	8.5	18.0	a		ε	N	1		4.35		14
✓	8.7	18.7	a		ι	N	2		3.03		14
✓	8.4	19.8	a		ι	N	2		3.07		14
✓	8.8	20.4	a		η	N	2		3.44		14
✓	8.1	21.3	H		K	10	2		3.66 3.93	5.95	14
✓	7.8	21.7	F 5643		K	10	1		4.22		14
✓	8.0	23.1	a		ε	N	1		4.30		14
✓	8.7	24.0	Mc		K	10	2		3.65 3.50	var.	13
✓	9.7	10.3	a		η	N	2		3.79		15
✓	10.8	7.4	a		ε	N	1		4.18		16
✓	10.8	11.5	F 2 G		ε	10	2		3.26		15
✓	10.2	11.8	F 5644		K	10	1		4.40		15
✓	11.0	12.0	a		ε	N	1		4.32		15
✓	10.2	13.6	K 5 M		K	5	2		3.61 4.14	6.04	15

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1875	C.P.D.	1875	1875							
Appmy	Design.	R.A.	Dec.	Magn.	R.A. 1900	Dec 1900				
15h 10m	-74° 45'	1379	15h 9m 45.3s	-74°	45.4'	8.0	✓			
14 56	-74 59	1318	14 56 11.3	-74	58.5	7.9	✓			
14 46	-74 30	1281	14 46 30.7	-74	31.5	6.0	✓	14	49.1	-74 38
14 38	-74 24	1246	14 38 23.9	-74	24.5	6.8	✓			
14 29	-74 36	1218	14 28 56.5	-74	35.7	7.8	✓			
14 7	-74 36	1161	14 7 23.0	-74	35.8	7.6	✓			
14 57	-74 15	1142	14 57 3.0	-74	15.2	6.7	✓			
15 46	-75 15	1270	15 45 42.0	-75	15.1	7.9	✓			
15 27	-75 41	1222	15 26 36.4	-75	40.0	6.0	✓	15	29.6	-75 45
16 7	-75 40	1296	16 6 37.0	-75	39.9	8.8	✓			
15 10	-76 4	1020	15 9 55.3	-76	4.3	7.2	✓			
14 44	-76 11	924	14 43 42.1	-76	9.1	7.4	✓	14	46.5	-76 15
14 18	-75 42	965	14 18 48.0	-75	42.9	8.2	✓			
16 17	-75 40	1312	16 16 38.0	-75	40.1	7.8	✓			
14 46	-76 40	931	14 45 35.6	-76	39.1	7.1	✓	14	48.4	-76 45
14 43	-76 37	922	14 43 31.1	-76	36.6	7.9	✓			
14 37	-76 40	894	14 37 14.2	-76	39.1	6.7	✓			
14 28	-76 28	848	14 28 11.9	-76	28.1	6.6	✓			
14 23	-76 23	834	14 22 18.0	-76	33.4	7.2	✓			
14 17	-76 10	826	14 16 30.0	-76	9.9	7.5	✓	14	19.0	-76 17
14 14	-75 57	955	14 13 58.5	-75	57.0	7.6	✓			
14 2	-75 52	939	14 2 6.0	-75	52.1	7.9	✓			
13 53	-76 12	799	13 53 14.0	-76	11.4	7.4	✓	13	55.6	-76 19
15 51	-76 56	1135	15 51 15.5	-76	56.4	7.4	✓			
16 19	-77 3	1217	16 18 59.7	-77	4.2	7.4	✓			
15 43	-77 40	1181	15 42 34.0	-77	39.2	7.2	✓			
15 38	-77 20	1170	15 38 31.5	-77	20.9	8.0	✓			
15 36	-77 45	1168	15 36 36.1	-77	46.3	7.7	✓			
15 22	-77 30	1134	15 22 44.9	-77	29.4	7.2	✓	15	26.0	-77 35

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V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√	10.2	13.7	Cs Fr		K	6	2	3.60		15
√	10.6	17.2	Fr	5648	K	10	1	4.35		14
√	10.1	22.3	H		K	10	2	4.08 4.40	6.24	14
√	11.2	6.8	Ks-M		K	12	3	2.30 2.55	4.16	16
√	11.2	15.8	a		E	9	1	3.60		15
√	12.0	18.1	a		E	9	1	3.70		14
√	11.8	20.9	H		E	9	1	4.06 4.28		14
√	12.5	10.8	K		K	10	2	3.30 3.80	5.22	16
√	12.6	12.9	Ma		K	12	3	2.80 3.45	4.78	16
√	12.6	14.2	a		E	9	1	3.97		15
√	12.8	15.0	H		E	9	1	4.45 4.Fr		15
√	12.4	16.2	K		K	10	2	3.73 4.28		14
√	12.2	18.8	Rc		K	12	3	2.39 2.80	3.81	14
√	12.4	23.5	a		O	9	2	2.81	6.20	13
√	14.0	8.0	H		E	9	1	4.38 Fr.		16
√	13.4	8.8	SRc		K	15	3	2.04	3.90	16
√	13.3	12.8	a		E	9	1	4.19		15
√	13.4	16.7	Fr	5646	K	10	1	4.05		14
√	14.9	10.5	a		E	9	1	4.50		16
√	15.0	15.5	Fr	5647	K	10	1	4.40		15
√	14.8	16.8	a		O	9	2	3.37		14
√	14.3	19.5	a		E	9	1	4.18		14
√	14.2	19.9	H		E	9	2	3.98 4.30		14
√	14.6	20.2	Fr	5648	K	10	1	4.45		14
√	14.7	20.8	Bo	5649	μ		3	2.03	5.20	14
√	16.0	10.1	a		E	9	1	4.40		16
√	15.6	16.4	a		E	9	1	4.35		14
√	16.1	20.1	a		E	9	1	4.32		14
√	16.5	7.7	a		E	9	2	4.09		16

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1875		C.P.D.		1875	1875							
		Approx.	Design	R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900				
h 15	m 22	-77°	48'	-79° 1133	h 15	m 22	10.4	-77°	48.6	7.4	✓	
14	49	-77	40	-77 1042	14	49	53.5	-77	40.2	7.7	✓	
14	4	-77	6	-77 940	14	3	49.5	-77	4.8	7.8	✓	14 6.3 - 77 12
				-77 941	14	3	59.0	-77	5.8	8.7		
16	26	-77	15	-77 1221	16	25	14.5	-77	15.0	6.4	✓	16 28.8 - 77 18
15	2	-78	0	-78 972	15	2	20.0	-78	0.2	7.3	✓	
14	40	-78	22	-78 917	14	40	0.0	-78	21.9	7.5	✓	
14	13	-78	3	-78 853	14	13	9.0	-78	2.9	7.9	✓	
16	3	-78	22	-78 1093	16	1	53.0	-78	20.9	7.3	✓	16 5.5 - 78 25
16	3	-78	23	-78 1092	16	1	44.0	-78	22.5	7.0	✓	16 5.4 - 78 27
15	18	-78	41	-78 1014	15	18	25.0	-78	39.2	7.4	✓	
15	11	-78	50	-78 994	15	10	21.0	-78	51.4	8.3	✓	
14	58	-78	40	-78 965	14	58	43.0	-78	39.5	7.7	✓	
14	32	-78	30	-78 893	14	32	24.0	-78	30.7	6.9	✓	14 35.4 - 78 37
13	48	-78	0	-78 922	13	47	44.0	-78	58.7	6.4	✓	13 50.2 - 78 7
16	23	-78	47	-78 1110	16	23	18.0	-78	46.0	8.0	✓	
16	14	-78	37	-78 1103	16	14	21.0	-78	36.7	5.2	✓	16 18.1 -78 40
15	34	-79	0	-79 867	15	34	9.0	-79	0.7	7.5	✓	
14	53	-79	8	-79 798	14	53	20.0	-79	7.5	7.7	✓	
16	1	-79	30	-79 896	16	1	44.0	-79	30.7	8.2	✓	
15	6	-79	59	-79 827	15	6	1.0	-79	58.8	8.3	✓	
14	51	-79	48	-79 795	14	50	54.0	-79	49.3	7.0	✓	
14	22	-79	27	-79 770	14	22	19.0	-79	26.6	8.0	✓	
14	18	-79	24	-79 766	14	18	17.0	-79	23.7	8.0	✓	
14	14	-79	33	-79 760	14	14	3.0	-79	32.2	7.7	✓	
14	7	-79	32	-79 755	14	7	22.0	-79	31.7	5.2	✓	14 10.3 -79 39 5.5 ✓
16	10	-80	2	-80 808	16	9	45	-80	1.6	8.0	✓	
14	55	-80	17	-80 755	14	56	31	-80	17.0	8.3	✓	
14	14	-79	47	-79 758	14	13	48.0	-79	46.7	7.8	✓	
16	37	-79	52	-79 908	16	36	51.0	-79	51.4	7.5	✓	

1900
A.J.C. 1928 9 14 10.3 -79° 39' 5.5 ✓

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June 28, 1904

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	V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
✓	16.6	11.0	F2G		K	10	2	3.94			16
✓	16.5	11.4	H		E	N	1	4.13 F.			15
✓	16.5	20.7	A2F		K	2	3	2.08		4.97	14
✓	16.3	21.7	A		E	N	1	4.13			13
✓	15.8	23.1	A		E	N	1	4.16			13
✓	19.3	6.2	Ma		E	N	1	3.87 4.35		5.93	17
✓	19.0	11.4	H		E	N	1	4.40 F			16
✓	19.9	11.8	H		K	10	2	3.97 4.40			16
✓	20.0	17.8	K5M		K	10	3	3.10 3.53		5.55	14
✓	20.0	19.6	A		n	N	2	2.62		6.37	14
✓	21.0	8.9	F	5650	K	10	1	3.91			16
✓	20.7	9.1	A		γ	N	2	3.38			16
✓	20.5	17.2	G5K		K	12	3	2.63 3.20		5.60	14
✓	20.4	18.8	A		E	N	1	4.41			14
✓	20.5	20.8	H		E	N	1	4.24 F			13
✓	20.1	21.4	K		K	10	2	3.20 4.05		5.76	13
✓	22.2	8.5	A		θ	N	2	3.37			17
✓	21.8	11.2	H		E	N	1	3.95 F		6.36	16
✓	22.1	12.2	F	5651	K	10	1	4.23			16
✓	22.1	13.8	A		E	N	1	4.50			15
✓	21.9	16.8	A		E	N	1	4.27			14
✓	21.5	19.1	K		K	12	3	2.20 2.52		4.14	14
✓	22.0	24.0	A		E	N	1	3.81			12
✓	24.1	7.7	A		E	N	1	4.10			17
✓	23.0	13.8	H		E	N	1	4.40 F			15
✓	23.0	15.2	A2F		n	3	3	2.41		5.66	15
✓	23.6	16.7	A		K	N	3	2.50		5.90	14
✓	23.4	19.5	K		K	10	2	3.81 4.10			13
9.50 P.M. ✓	22.8	21.5	F	5652	K	10	2	4.03		10.20 P.M.	13

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	1875	C.P.D.		1875	1875									
Approx		Design.	R.A.	Dec.	Magn.	R.A. 1900		Dec. 1900						
16	0	-80°	26	-80	804	16	1	2	-80°	25.7	7.8	✓		
15	56	-80	29	-80	803	15	55	43	-80	28.1	8.2	✓		
14	3	-80	26	-80	706	14	2	39	-80	25.1	6.5	✓	14	5.7 -80 32
13	53	-80	10	-80	701	13	53	21	-80	9.7	7.6	✓		
13	40	-79	38	-79	744	13	40	30	-79	39.0	7.7	✓		
17	8	-80	45	-80	848	17	8	7	-80	44.2	7.4	✓	17	12.8 -80 46
16	4	-81	38	-81	767	16	4	1	-81	39.3	8.0	✓		
16	2	-82	16	-82	682	16	1	56	-82	15.0	7.5	✓		
14	43	-82	32	-82	636	14	43	13	-82	31.9	8.0	✓	16	47.3 -82 38
14	5	-82	17	-82	601	14	6	5	-82	16.1	7.3	✓	14	9.6 -82 23
16	46	-82	12	-82	703	16	46	36	-82	12.4	7.1	✓		
16	43	-82	8	-82	700	16	43	51	-82	7.7	7.1	✓		
14	40	-82	45	-82	629	14	40	5	-82	43.1	7.0	✓	14	44.2 -82 49
14	16	-82	33	-82	611	14	16	12	-82	33.6	8.5	✓		
13	47	-82	18	-82	587	13	46	25	-82	18.6	8.7	✓		
13	39	-82	3	-82	585	13	39	53	-82	2.6	8.0	✓	13	42.9 -82 11
17	0	-82	38	-82	707	17	0	58	-82	38.6	6.2	✓		
16	18	-82	59	-82	687	16	18	7	-82	58.6	8.2	✓	16	23.5 -83 3
16	4	-83	16	-83	604	16	4	14	-83	17.7	8.1	✓		
				-83	605	16	4	37	-83	16.1	8.7			
15	38	-83	24	-83	590	15	37	40	-83	24.4	8.1	✓		
14	45	-83	24	-83	573	14	45	40	-83	24.8	7.8	✓		
14	6	-83	6	-83	557	14	7	8	-83	5.5	6.4	✓	14	10.9 -83 13
12	54	-82	17	-82	556	12	54	33	-82	16.6	7.9	✓		
17	28	-83	12	-83	636	17	28	0	-83	10.8	7.0	✓		
15	43	-83	52	-83	593	15	41	23	-83	52.4	8.2	✓		
15	15	-84	3	-84	510	15	14	49	-84	2.6	6.1	✓	15	20.2 -84 8
14	44	-84	18	-84	490	14	44	18	-84	17.4	5.8	✓	14	49.4 -84 23
13	52	-83	57	-83	547	13	53	4	-83	56.8	7.6	✓		
13	23	-83	16	-83	533	13	23	47	-83	16.1	7.3	✓		

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8.10 P.M. Plate B 17449 925- July 6

V.	H.	Cl.	Rem	L.	K.	Int.	Ba.	Photom Magn	Diff.	
√6.0	9.0	a		E	N	2	3.90	7.63		
√5.8	9.2	H		e	N	1	4.12 F	6.93		
√5.6	9.8	a		e	N	1	4.35	8.48		17
√4.5-	12.9	a		O	N	2	3.68	7.48		17
√5.4	13.4	H		e	N	1	4.32 F			17
√4.5-	14.7	a		E	N	1	4.25	8.38		17
√4.9	15.1	F	5663	K	10	2	3.95	6.98		17
√4.9	16.6	F	2 3	K	10	2	4.04			16
√5.8	16.7	H		e	N	1	4.42 F			16
√5.7	18.0	F	5654	K	10	1	4.10			16
√5.2	20.6	a		e	N	2	4.23			16
√4.8	21.8	F H	5655	K	10	1	4.21			16
√5.4	24.0	F	5656	K	10	1	4.19			15
√4.9	24.1	a		e	N	1	4.22			15
√6.2	7.3	a		e	N	3	2.61	5.61		18
√6.8	8.8	a		O	N	2	3.53			17
√6.6	10.2	a	F	y	8	1	4.06			17
√6.9	11.8	H		K	10	1	4.20 4.40			17
√6.1	12.5-	a		e	N	1	4.38			17
√6.3	14.9	F	5657	K	10	1	4.20			17
√6.9	15.2	a		y	N	2	4.02			17
√6.9	16.0	F	5658	K	10	1	4.30			16
√6.5-	17.1	a		K	N	2	3.42			16
√6.5-	17.8	F	5659	K	10	2	3.69			16
√6.9	18.3	a		E	N	2	4.19			16
√6.2	21.2	a		E	N	2	4.20			16
√6.4	22.5-	H		E	N	1	4.30 F			16
√6.7	23.2	F	5660	K	10	1	4.40			16
√7.2	9.3	K		K	10	2	3.39 8.71	5.69		17

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1875 Approx.	C.P.D. Design.	1875 R.A. Dec.	1875 Mag.		R.A. 1900	Dec. 1900		Vol.
	~~-75°~~ 1409	17 53 38.5	-75	11.6	7.3	17 57.0	-75 12	54
	-75° 1408	17 51 42.5	-75	6.3	8.8	17 55.1	-75 6	54
17 46	-75 6 -75 1405	17 46 49.0	-75	6.7	8.5 ✓	17 50.2	-75 7	54
17 22	-74 28 -74 1637	17 21 46.0	-74	49.2	7.2 ✓	17 25.1	-74 50	54
17 20	-75 15 -75 1386	17 19 43.0	-75	14.9	9.0 ✓			
17 8	-74 54 -74 1622	17 8 8.0	-74	54.8	8.2 ✓	17 11.4	-74 57	54
17 5	-75 12 -75 1368	17 5 55.0	-75	12.0	8.0 ✓	17 9.3	-75 14	54
16 53	-75 12 -75 1348	16 53 37.0	-75	12.1	8.1 ✓			
16 52	-75 38 -75 1347	16 52 56.0	-75	37.8	8.9 ✓			
16 42	-75 36 -75 1335	16 42 29.0	-75	36.0	8.5 ✓			
16 23	-75 13 -75 1320	16 22 54.0	-75	13.4	8.0 ✓			
16 14	-74 54 -74 1546	16 14 1.0	-74	55.1	8.7 ✓			
15 56	-74 58 -74 1522	15 56 53.2	-74	57.5	8.1 ✓			
15 56	-74 42 -74 1529	2 15 56 ~~57.0~~ 53.2	-74	~~43.4~~ 57.5	~~7.8~~ 8.1			
18 7	-75 6 -75 1417	18 6 44.5	-75	5.4	6.4 ✓	18 10.2	-75 5	50
17 56	-75 33 -75 1413	17 56 30.5	-75	33.8	7.3 ✓			
17 46	-75 41 -75 1403	17 45 54.0	-75	40.3	8.3 ✓			
17 33	-76 0 -76 1222	17 33 20.8	-76	0.1	8.3 ✓			
17 27	-75 36 -75 1391	17 26 48.5	-75	36.4	8.5 ✓			
17 7	-75 53 -75 1371	17 7 53.0	-75	52.1	8.7 ✓			
17 6	-76 12 -76 1204	17 5 32.0	-76	12.7	8.2 ✓			
16 59	-76 12 -76 1198	16 58 36.0	-76	11.4	8.5 ✓			
16 50	-76 3 -76 1194	16 50 3.0	-76	2.3	7.7 ✓			
16 43	-76 0 -76 1186	16 43 45.5	-76	0.8	7.8 ✓			
16 40	-76 12 -76 1182	16 40 11.0	-76	12.2	8.4 ✓			
16 16	-75 41 -75 1312	16 16 38.0	-75	40.1	7.8 ✓			
16 6	-75 40 -75 1296	16 6 37.0	-75	39.9	8.8 ✓			
16 0	-75 48 -75 1288	16 0 18.0	-75	43.8	8.6 ✓			
17 53	-75 52 -75 1140	17 53 47.5	-75	53.4	7.8 ✓	17 57.3	-75 53	50

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V.	H.	Tel.	Rem.	L.	K.	Int.	Br. Photom.	Magn.	Diff.	
√7.3	11.1	K		K	10	2	3.31 3.77	6.11		17
√7.1	12.0	H		E	9	1	4.15 F			17
√8.0	17.4	A		E	9	1	4.30			16
√7.3	21.2	F	5661	K	10	1	4.38			16
√7.3	24.2	H		E	9	1	4.28 F			15
√8.8	9.1	H		K	10	1	3.90 4.23			18
√8.9	9.3	F	5663	K	10	1	4.11			17
√8.5	15.5	H		E	9	1	4.22 F			17
√9.0	18.0	F	5663	K	10	1	4.20			16
√9.0	19.8	F-K			12	3	2.38 2.57	4.16		16
√8.8	20.5	F	5664	K	10	2	3.81			16
√8.7	21.9	A		E	9	1	4.30			16
√8.8	22.5	A		E	9	1	4.23			16
√9.6	6.7	F	5665	K	10	2	4.02			18
√9.6	9.6	A		O	9	2	3.67			17
√10.0	10.0	A		E	9	1	4.33			17
√9.6	11.0	F	5666	K	10	1	4.35			17
√9.9	12.0	F	5667	K	10	1	4.32			17
√9.3	13.1	A-F		E	6	2	3.90			17
√9.5	23.4	H		E	9	1	4.40 F			15
√9.2	23.6	A		O		2	3.68			15
√9.2	24.0	H		E	9	1	4.38 F			15
√10.6	8.5	K		K	10	2	3.95 4.00			18
√10.5	11.7	K		K	10	1	3.63 3.86			17
√11.0	13.2	H		E	9	1	4.30 F			17
√10.5	14.5	F	5668	K	10	1	4.11			17
√10.2	15.9	F	5669	K	10	1	4.23			17
√10.9	16.4	F	5670	E	10	2	3.76			16
√10.9	16.7	A		E	9	1	4.10			16

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1875 CPD. 1875 1875

Approx	Design.	RA.	Dec.	Magn.	R.A. 1900	Dec. 1900.	Vol.
17 40 -76°	9 -76	1226	17 40m 0.0	-76°	8.7	8.0 ✓	17 43.5 -76 10 50
17 32 -76	9 -76	1220	17 32 5.0	-76	8.5	8.6 ✓	
16 46 -76	43 -76	1188	16 46 30.0	-76	43.7	8.6 ✓	
16 15 -76	14 -76	1163	16 15 28.0	-76	13.2	8.7 ✓	
15 51 -75	54 -75	1277	15 51 6.0	-75	54.5	8.6 ✓	
18 0 -76	36 -76	1234	17 59 11.0	-76	36.3	8.6 ✓	
17 56 -76	42 -76	1232	17 57 17.0	-76	41.1	8.3 ✓	
17 3 -77	3 -77	1245	17 3 33.5	-77	3.0	9.0 ✓	
16 42 -77	16 -77	1232	16 41 58.0	-77	16.0	8.6 ✓	
16 25 -77	15 -77	1221	16 25 14.5	-77	15.0	6.4 ✓	16 28.8 -77 18 50
16 19 -77	5 -77	1217	16 18 59.7	-77	4.2	7.4 ✓	
16 7 -76	51 -76	1157	16 7 22.0	-76	52.0	8.6 ✓	
16 1 -76	48 -76	1149	16 1 46.0	-76	49.3	8.0 ✓	
18 21 -76	36 -76	1243	18 20 57.2	-76	35.2	8.2 ✓	
17 57 -77	6 -77	1289	17 57 2.0	-77	5.7	7.5 ✓	
17 54 -77	18 -77	1286	17 53 43.5	-77	18.5	8.6 ✓	
17 45 -77	15 -77	1283	17 44 52.5	-77	15.0	8.6 ✓	
17 37 -77	31 -77	1276	17 36 42.0	-77	30.9	8.4 ✓	
17 27 -77	17 -77	1263	17 26 14.0	-77	16.6	8.3 ✓	
15 52 -77	8 -77	1200	15 52 8.0	-77	7.2	8.8 ✓	
15 51 -76	58 -76	1135	15 51 15.5	-76	56.4	7.4 ✓	
15 48 -76	54 -76	1130	15 48 32.0	-76	53.1	8.7 ✓	
18 10 -77	24 -77	1298	18 9 46.0	-77	25.2	7.8 ✓	
17 40 -77	48 -77	1277	17 40 4.0	-77	47.7	7.5 ✓	
17 27 -78	12 -78	1144	17 26 44.0	-78	12.3	8.8 ✓	
17 14 -78	1 -78	1133	17 14 35.0	-78	1.7	8.0 ✓	
17 1 -77	54 -77	1244	17 0 37.0	-77	54.8	8.4 ✓	
16 56 -78	15 -78	1126	16 55 47.0	-78	14.1	7.3 ✓	
16 52 -78	18 -78	1124	16 52 50.0	-78	17.7	8.2 ✓	

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V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√10.1	17.6	A		~	N	2		3.80		16
√10.8	24.2	F	5671	K	10	2		3.81		15
√10.4	24.7	H		E	N	1		4.10 F		15
√11.3	5.8	A		E	N	1		4.17		18
√11.6	11.8	H		E	N	1		4.10 F		17
√11.7	13.7	H		K	10	2		3.81 4.30		17
√11.8	16.0	F	5672	K	10	1		4.10		17
√12.0	19.6	H		E	N	1		3.83 4.12		16
√11.8	20.5	G			12	3		2.10	3.90	16
√11.5	21.8	Ma	518	K	10	3		2.50 2.80	4.78 5.22	16
√11.6	22.9	F	5673	K	10	1		4.31		15
√12.0	23.7	F	5674	K	10	1		4.28		15
√12.4	7.0	F	2 G	K	10	3		3.11	6.33	18
√12.5 Dsk is not 12.5 7.5?	7.0	F	2 G	K	10	3		3.18		18
√13.0	9.3	H		E	N	1		4.03 F		18
√13.0	11.3	H		E	N	1		4.20 F		17
√12.2	11.8	H		E	N	1		4.40 F		17
√12.6	12.9	H		E	N	1		4.31 F		17
√12.1	15.9	A	F	O	5	2		3.70		17
√12.4	17.2	H		E	N	1		4.40 F		16
√12.9	17.6	F	5675	K	10	1		4.35		16
√12.7	19.0	F	5676	K	10	1		4.30		16
√12.8	20.4	H		E	N	1		4.30 F		16
√14.0	10.0	K		K	10	2		3.71 4.10		18
√13.8	15.4	F	5677	K	10	1		4.34		17
√14.0	18.1	A		O	N	2		3.53		16
√13.4	18.1	H		E	N	1		4.30 F		16
√13.3	19.0	A		E	N	1		4.27		16
√13.8	21.3	F	5678	E	10	2		3.80		16

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1875 C.P.D. 1875 1875

Approx	Design.	R.A. Des.	Magn.	R.A. 1900	Dec. 1900	Vol.				
16 45	-77° 54	-77° 235	16 44 39.0	-77°	52.9	7.1 ✓				
15 42	-77 40	-77 1181	15 42 34.0	-77	39.2	7.2 ✓				
15 38	-77 22	-77 1170	15 38 31.5	-77	20.9	8.0 ✓				
18 34	-77 12	-77 1321	18 34 43.5	-77	11.3	8.2 ✓				
17 41	-78 20	-78 1152	17 41 13.0	-78	21.1	8.7 ✓				
17 23	-78 36	-78 1142	17 23 16.0	-78	36.7	8.2 ✓				
17 0	-78 43	-78 1128	16 59 40.0	-78	43.6	8.4 ✓				
16 23	-78 46	-78 1110	16 23 18.0	-78	46.0	8.0 ✓				
16 14	-78 36	-78 1103	16 14 21.0	-78	36.7	5.2 ✓	16	18.1 - 78	40	50
16 2	-78 22	-78 1092	16 1 44.0	-78	22.5	7.0 ✓	16	5.4 - 78	27	50
		-78 1093	16 1 53.0	-78	20.9	7.3	16	6.5 - 78	25	50
15 51	-78 15	-78 1088	15 51 24.0	-78	14.6	8.5 ✓	~~18~~	~~32.6 - 77~~		
15 43	-78 20	-78 1070	15 43 35.0	-78	20.4	8.2 ✓				
18 29	-77 59	-77 1314	18 28 35.0	-77	59.3	7.0 ✓	18	32.5 - 77	58	50
18 24	-78 12	-78 1180	18 23 33.0	-78	10.1	7.1 ✓				
18 8	-78 42	-78 1168	18 8 50.0	-78	39.9	8.7 ✓				
17 49	-78 59	-78 1156	17 49 34.0	-78	59.0	8.7 ✓				
17 43	-78 41	-78 1154	17 43 16.0	-78	40.9	9.0 ✓				
17 32	-78 59	-78 1150	17 32 28.0	-78	59.2	8.7 ✓				
17 1	-78 55	-78 1129	17 1 11.0	-78	55.0	7.5 ✓				
16 48	-79 2	-79 912	16 47 48.0	-79	1.3	9.2 ✓				
16 43	-79 16	-79 911	16 42 57.0	-79	16.1	8.8 ✓				
16 29	-79 6	-79 906	16 28 56.0	-79	7.1	8.6 ✓				
16 14	-79 6	-79 899	16 13 30.0	-79	6.1	8.6 ✓				
18 6	-79 18	-79 955	18 5 53.0	-79	19.0	8.4 ✓				
17 7	-79 42	-79 919	17 7 27.0	-79	43.0	8.6 ✓				
16 36	-79 52	-79 908	16 36 51.0	-79	51.4	7.5 ✓				
16 36	-79 30	-79 909	16 37 24.0	-79	30.0	9.0 ✓				
16 28	-79 26	-79 903	16 27 39.0	-79	25.1	8.6 ✓				
16 1	-79 30	-79 896	16 1 44.0	-79	30.7	8.2 ✓				

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	α	h	m	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.
√	13.6	24	1	A	γ	N	2		3.70	
√	15.0	7	7	A	ε	N	1		3.82	
√	14.8	8	3	F 5679	K	10	1		3.95	
√	14.5	12	1	F 5680	K	10	1		4.30	
√	14.6	19	0	F 5681	K	10	1		4.20	
√	14.7	20	4	F 5682	K	10	1		4.02	
√	14.9	23	1	F 5683	K	10	1		4.28	
√	15.8	5	8	F 5684	K	10	1		3.96	
√	15.4	7	0	F 5685	K	10	2		3.68	
√	15.0	9	5	F 5686	K	10	1		3.83	
√	15.8	10	5	K	K	10	2		3.05 / 3.40	
√	15.2	10	6	H	ε	N	1		4.80 / 4.05 F	
√	15.6	11	3	K	K	10	2		3.80 / 4.05	
√	15.2	15	1	H	ε	N	1		4.36 / F	
√	15.7	15	5	Ma	K	10	3		3.33 / 3.70	5.93
√	16.0	17	6	F 5-G	K	10	1		3.80	
√	15.6	19	2	A	ε	N	1		3.94	
√	15.6	21	0	F 2 G	K	10	2		3.54	
√	15.8	21	4	K	K	10	2		3.77 / 4.00	
√	16.0	22	8	H	ε	N	1		4.40 / F	
√	16.3	6	6	H	K	10	1		4.20 / F	
√	16.1	8	2	H	ε	N	1		4.37 / F	
√	16.2	15	3	A	γ	N	2		3.73	
√	16.3	16	6	A	ε	N	1		4.15	
√	16.5	17	3	A	ε	N	1		4.20	
√	17.7	9	1	A	ι	N	3		2.83	6.75
√	18.0	11	2	H	ε	N	1		4.34 / F	
√	17.2	12	0	G	K	10	1		4.02	
√	17.5	12	8	H	K	10	1		4.12 / 4.41	

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1003phae.proj - 8985

1875	B.P.D.	1875	1875					
Approx.	Design.	R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900.		
15h 34m	-79°	1	-79°867	15 34 9.0	-79°	0.7	7.5 ✓	
18 33	-79	18	-79 969	18 33 1.0	-79	18.8	8.3 ✓	
18 25	-79	19	-79 963	18 25 18.0	-79	20.0	8.6 ✓	
17 45	-79	50	-79 942	17 45 15.0	-79	49.5	8.8 ✓	
16 27	-80	6	-80 816	16 26 19	-80	6.9	8.4 ✓	
16 10	-80	2	-80 808	16 9 45	-80	1.6	8.0 ✓	
15 40	-79	50	-79 874	15 40 8.0	-79	48.3	8.3 ✓	
18 55	-79	14	-79 1004	18 55 6.5	-79	13.3	7.3 ✓	
18 41	-79	22	-79 985	18 41 41.5	-79	22.3	7.4 ✓	
18 15	-79	42	-79 960	18 15 30.0	-79	42.6	8.4 ✓	
18 7	-80	18	-80 849	18 6 45	-80	17.1	7.6 ✓	
18 5	-79	58	-79 952	18 4 13.0	-79	58.4	9.0 ✓	
17 58	-80	17	-80 847	17 57 45	-80	16.1	8.4 ✓	
17 11	-80	26	-80 831	17 11 25	-80	25.5	8.9 ✓	
17 9	-80	45	-80 828	17 8 7	-80	44.2	7.4 ✓	17 12.8 -80 46
16 42	-80	54	-80 822	16 41 39	-80	53.1	8.4 ✓	
16 22	-80	33	-80 814	16 22 58	-80	32.7	8.4 ✓	
16 1	-80	27	-80 804	16 1 2	-80	25.7	7.8 ✓	
15 55	-80	28	-80 803	15 55 43	-80	28.1	8.2 ✓	
15 38	-80	24	-80 788	15 38 7	-80	22.6	8.9 ✓	
18 30	-79	41	-79 995	18 30 8.5	-79	40.5	8.1 ✓	
18 34	-79	59	-79 971	18 33 38.0	-79	58.7	9.1 ✓	
17 10	-80	59	-80 830	17 10 57	-80	57.3	7.7 ✓	
16 54	-81	0	-81 784	16 53 59	-81	0.7	8.5 ✓	
16 45	-81	8	-81 779	16 45 23	-81	8.0	8.2 ✓	
18 33	-80	53	-80 858	18 32 42	-80	51.8	6.5 ✓	18 37.4 -80 51 54
18 7	-81	24	-81 811	18 7 23	-81	24.6	9.2 ✓	
17 55	-81	11	-81 806	17 55 7	-81	10.0	8.6 ✓	
17 45	-81	25	-81 800	17 45 13	-81	24.7	8.8 ✓	

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V.	H.	Cl.	Rem.	L.	K.	Int.	Bz	Photom. Magn. Diff.
Schmidt 17.5 13.2								
17.5	14.2	K		K	10	2	3.53 / 4.00	
17.3	13.7	F	5687	O	10	2	3.64	
18.0	14.6	H		E	N	1	4.28 / F	
17.1	18.6	F	5688	K	10	1	4.12	
18.4	9.9	F	5689	K	10	1	4.00	
19.0	10.9	Q		e	N	3	2.50	6.37
18.5	12.7	Q		η	N	2	3.62	
18.5	14.1	F	5690	K	10	1	4.28	
18.6	14.7	H		E	N	1	4.40 / F	
18.8	15.0	H		E	N	1	4.42 / F	
18.9	15.6	H		E	N	1	4.28 / F	
18.6	17.1	F	5691	O	10	2	3.47	
18.5	17.3	Q		λ	N	2	3.20	
19.0	20.1	K		K	10	2	3.50 / 3.85	
17.9	20.2	K		K	10	2	3.70 / 4.02	
18.0	21.1	Q		E	N	1	4.10	
18.7	20.7	H		E	N	1	4.40 / F	
18.4	23.9	F	5692	K	10	1	4.12	
19.5	8.6	F	5693	K	10	2	3.73	
19.8	12.8	H		E	N	1	4.10 / F	
19.9	14.1	H		E	N	1	4.22 / F	
19.8	14.9	F	5694	K	10	1	4.12	
19.5	16.2	B	5695	λ	N	3	3.10	
19.4	17.8	Q		E	N	1	4.04	
20.4	6.9	H		E	N	1	4.25 / F	
20.6	7.5	F	5696	K	10	2	3.72	
21.0	7.6	K		K	10	2	3.42 / 3.85	
21.0	11.3	H		E	N	1	4.00 / 4.40	
21.0	11.9	H		E	N	1	4.13 / F	

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1903phae.proj.:000F

1875	CPD.		1875	1875										
Design		Design.	R.A.	Dec.	Magn.	R.A. 1900		Dec. 1900	Vol.					
17h 41m	-81° 28'	-81° 799	17h 40m 27s	-81°	27.8	8.2	✓			correct if 13.2 intended				
17 35	-81 25	-81 798	17 33 20	-81	24.4	7.7	✓							
17 22	-81 48	-81 795	17 22 38	-81	49.2	8.6	✓							
16 30	-81 22	-81 771	16 29 11	-81	21.6	8.2	✓							
18 25	-81 27	-81 815	18 24 59	-81	23.1	8.6	✓							
18 17	-81 54	-81 813	18 16 35	-81	53.8	6.4	✓	18	21.7	-81	53	50		
17 50	-81 50	-81 803	17 49 21	-81	50.9	7.9	✓							
17 30	-82 0	-82 716	17 30 26	-82	1.1	8.7	✓							
17 21	-82 7	-82 711	17 21 12	-82	7.9	9.1	✓							
17 17	-82 14	-82 709	17 17 16	-82	13.9	9.1	✓							
17 10	-82 19	-82 708	17 10 5	-82	19.1	9.0	✓							
16 47	-82 13	-82 703	17 6 46 36	-82	12.4	7.1	✓							
16 43	-82 8	-82 700	17 6 43 51	-82	7.7	7.1	✓							
		-82 701	17 6 43 53	-82	7.2	8.7								
16 2	-82 17	-82 682	16 1 56	-82	15.0	7.5	✓							
16 4	-81 40	-81 767	16 4 1	-81	39.3	8.0	✓							
15 54	-82 0	-82 677	15 53 51	-82	1.2	9.3	✓							
15 51	-81 36	-81 763	15 52 32	-81	35.1	8.4	✓							
15 15	-81 18	-81 709	15 15 10	-81	17.6	8.5	✓							
18 48	-81 36	-81 831	18 47 15	-81	35.5	7.7	✓							
17 53	-82 32	-82 725	17 52 49	-82	31.5	8.8	✓							
17 35	-82 42	-82 717	17 34 18	-82	42.0	8.4	✓							
17 20	-82 42	-82 710	17 20 22	-82	41.9	8.2	✓							
17 0	-82 40	-82 707	17 0 58	-82	38.6	6.2	✓	A.G.C. 23192		17h 6.5m (1900)		-82° 41'	6.8	✓
16 36	-82 33	-82 696	16 36 14	-82	33.1	8.4	✓							
19 13	-81 30	-81 853	19 12 38	-81	30.0	8.3	✓							
19 8	-81 46	-81 850	19 8 27	-81	46.0	7.8	✓							
19 9	-82 0	-82 770	19 10 19	-82	0.0	7.6	✓							
18 23	-82 50	-82 760	18 22 32	-82	50.6	8.4	✓							
18 13	-82 59	-82 737	18 12 23	-82	58.8	8.6	✓							

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Plate B17449

V.	H.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√	20.8	13.9	F 5697	K	10	1	4.20		17
√	20.7	14.6	F 5698	O	10	2	3.51		17
√	20.3	18.8	H	K	10	2	{3.40 3.86		16
√	21.0	19.5	F 5699	K	10	2	3.61		16
√	20.2	22.7	a	ε	9	1	4.11		15
√	21.5	6.9	K	K	10	2	{3.30 3.57		19
√	22.0	11.7	H	K	10	2	{3.60 4.10	6.77	18
√	21.8	21.0	a	ε	9	1	4.00		15
√	23.0	10.8	G	K	10	2	3.55		18
√	22.4	11.5	a	ι	9	3	2.73	6.58	18
√	22.5	12.0	H	ε	9	1	{3.91 4.30		18
√	22.9	14.5	a	ε	9	1	4.20		17
√	23.0	16.0	a	ε	9	1	3.98		17
√	22.4	15.4	F 5700	K	10	2	3.90		17
√	23.5	11.8	a	ε	9	2	3.50		18
√	22.4	13.8	a	ι	9	3	2.85		17
√	23.3	21.7	a	K	9	3	2.49	5.66	15
9.25 P.M. √	23.1	23.7	a	ε	9	1	3.95		14

10.10 P.M.

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1875	C.P.D.	1875	1875									
Approx	Design	R.A.	Dec.	Mags.	R.A. 1900		Dec. 1900					
17 39	-83 7	-83	642	17 39 56	-83	6.9	8.4	✓				
17 28	-83 12	-83	636	17 28 0	-83	10.8	7.0	✓				
16 18	-82 59	-82	687	16 18 7	-82	58.6	8.2	✓				
16 14	-83 18	-83	604	16 4 14	-83	17.7	8.1	✓				
		-83	605	16 4 37	-83	16.1	8.7					
15 21	-82 15	-82	659	15 21 13	-82	16.3	8.5	✓				
19 33	-81 40	-81	868	19 32 57	-81	39.4	7.6	✓				
18 22	-83 26	-83	663	18 21 56	-83	25.6	8.4	✓	18 28.0	-83 25	50	
15 38	-83 25	-83	590	15 37 40	-83	24.4	8.1	✓				
18 41	-83 38	-83	674	18 41 41	-83	39.1	7.3	✓				
18 30	-83 33	-83	664	18 27 45	-83	33.1	5.8	✓			54	
18 21	-83 40	-83	662	18 20 8	-83	40.4	8.5	✓				
17 37	-84 14	-84	567	17 36 42	-84	13.9	8.5	✓				
17 25	-84 22	-84	564	17 26 7	-84	21.3	8.3	✓				
17 19	-84 1	-84	560	17 18 46	-84	2.1	8.1	✓				
18 30	-84 3	-84	587	18 29 49	-84	4.7	7.3	✓				
17 55	-84 26	-84	573	17 53 17	-84	25.1	6.3	✓				
15 16	-84 3	-84	510	15 14 49	-84	2.6	6.1	✓	15 20.2	-84 8	50	
14 45	-83 25	-83	573	14 45 40	-83	24.8	7.8	✓				

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July 7, 1904

Plate B 1105-0 July 7. 9.25 P.M. -

8.15 P.M.

	V.	H.	Cl.	Rem.	L.	K.	Int.	Bz.	Photm. Magn.	Diff.	
✓	6.2	8.9	H		E	9n	1	{4.30 F	7.20		19
✓	5.0	14.1	F	5701	K	10	1	4.30			18
✓	4.2	16.9	A		Θ	9n	2	4.10	7.35		18
✓	5.3	17.8	H		K	10	2	{4.11 4.40	6.69		18
✓	4.4	18.6	A		Θ	9n	2	4.04	7.35		18
✓	5.1	22.5	A		R	9n	3	3.05	5.61		18
✓	5.8	24.1	A		η	9n	2	4.03	7.63		17
✓	6.1	9.8	H		E	9n	1	{4.40 F			19
✓	7.0	13.1	A		E	9n	1	4.35			19
✓	5.7	12.4	F	5702	K	10	1	4.40			18
✓	6.1	15.7	A2F		Θ	3	3	3.30	6.78		19
✓	6.8	17.3	H		E	9n	1	{4.25 F			18
✓	6.4	23.5	A		η	9n	2	3.80			17
✓	7.0	23.7	K		K	10	2	{3.69 4.08	5.69		17
✓	7.4	8.8	A		E	9n	1	4.39			19
✓	7.6	10.5	H		K	10	1	{4.38 F			19
✓	7.4	11.4	A		η	9n	2	4.10			19
✓	7.3	14.6	A		E	9n	1	4.40			19
✓	7.3	16.4	H-K		K	10	2	{3.87 4.12	6.98		18
✓	7.7	20.1	F	5703	K	10	1	4.25			18
✓	9.0	5.8	F	5704	Fη	10	3	3.41	6.14		20
✓	8.4	10.6	A		E	9n	1	4.30			19
✓	8.6	12.1	A		η	9n	2	3.40			19
✓	9.0	12.5	A		E	9n	1	4.37			19
✓	8.5	16.1	A2F		η	5	2	3.77			18
✓	8.5	18.4	A		η	9n	2	4.10			18
✓	8.2	22.6	H		E	9n	1	{4.28 F			18
✓	8.4	22.8	F	5705	K	10	1	4.40			17
✓	9.8	5.8	F	5706	K	10	1	4.38			20

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1875 C.P.D. 1875 1875

Approx.	Design.	R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900		Vol.
19 54 -75°	1 -75 1572	19h 53m 10.3s	-75°	6.4	8.0 ✓	19 56.3 -75	2	54
18 13 -75	28 {-75 1421	18 13 45.5	-75	28.0	9.2} ✓			
	{-75 1422	18 13 59.5	-75	29.0	9.2}			
18 50 -74	57 -74 1739	18 50 34.2	-74	56.0	7.8 ✓	18 53.9 -74	54	54
18 42 -75	33 -75 1448	18 42 33.4	-75	32.5	8.4 ✓	18 46.0 -75	31	54
18 37 -75	6 -75 1436	18 37 6.2	-75	5.7	7.8 ✓	18 40.4 -75	5	54
18 7 -75	6 -75 1417	18 6 44.5	-75	5.4	6.4 ✓	18 10.2 -75	5	50
17 54 -75	12 -75 1409	17 53 38.5	-75	11.6	7.3 ✓	17 57.0 -75	12/8	54
19 47 -75	42 -75 1841	19 46 59.3	-75	41.1	8.0 ✓			
19 22 -76	22 -76 1351	19 22 13.3	-76	21.0	8.4 ✓			
18 27 -75	40 -75 1537	18 26 43.5	-75	40.8	8.0 ✓			
19 0 -76	0 -76 1319	18 59 21.2	-76	0.2	7.2 ✓	19 2.8 -75	58	54
18 46 -76	17 -76 1293	18 46 4.3	-76	16.6	8.6 ✓			
17 56 -75	33 -75 1413	17 56 30.5	-75	33.8	7.3 ✓			
17 54 -75	54 -75 1410	17 53 47.5	-75	53.4	7.8 ✓	17 57.3 -75	53	50
19 58 -76	14 -76 1393	19 58 4.8	-76	13.8	8.1 ✓			
19 44 -76	33 -76 1378	19 44 32.6	-76	33.7	8.2 ✓			
19 36 -76	30 -76 1368	19 36 11.6	-76	29.2	7.7 ✓			
19 9 -76	36 -76 1331	19 9 1.1	-76	35.7	8.5 ✓			
18 53 -76	36 -76 1308	18 53 12.8	-76	35.1	8.0 ✓	18 56.8 -76	33	54
18 20 -76	36 -76 1243	18 20 57.2	-76	35.2	8.2 ✓			
20 26 -76	36 -76 1434	20 26 32.1	-76	36.8	7.0 ✓	20 29.7 -76	32	50
19 44 -76	58 -76 1377	19 44 24.6	-76	58.4	8.1 ✓			
19 31 -77	14 -77 1383	19 31 46.1	-77	12.2	7.4 ✓			
19 29 -77	22 -77 1378	19 28 58.5	-77	22.4	7.9 ✓			
18 56 -77	15 -77 1347	18 56 14.4	-77	14.6	8.0 ✓			
18 35 -77	12 -77 1321	18 34 43.5	-77	11.3	8.2 ✓			
18 0 -76	36 -76 1234	17 59 11.0	-76	36.3	8.6 ✓			
17 58 -76	40 -76 1232	7 57 17.0	-76	41.1	8.3 ✓			
20 28 -76	59 -76 1436	20 27 33.8	-76	58.8	8.0 ✓			

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V.	H.	Cl.	Rem.	L.	K	Int.	Bx.	Photom. Magn.	Diff.	
✓ 9.7	11.3	H		E	N	1	4.40 F			19
✓ 9.8	13.1	H		E	N	1	4.38 F			19
✓ 10.0	16.3	H		E	N	1	4.28 F 3.83		6.90	18
✓ 9.5	21.1	K		K	10	2	4.17			18
✓ 9.2	22.6	Q		Y	N	2	3.86			17
✓ 10.2	6.8	F5-G		K	10	1	4.28			20
✓ 10.7	7.7	F5-G		K	10	1	4.40			20
✓ 10.1	18.9	G		K	10	2	3.45		6.33	18
✓ 10.6	19.4	F5-G		K	10	2	3.65		6.78	18
✓ 11.0	23.9	G		K	10	2	3.70		6.80	17
✓ 12.1	8.8	Q		E	N	1	4.40			20
✓ 12.6	11.4	Q		E	N	2	3.95			19
✓ 12.4	16.1	F	5707	K	10	1	4.18			18
✓ 12.7	17.3	F	5708	K	10	2	4.02			18
✓ 12.7	18.1	F	5709	K	10	1	4.11			18
✓ 12.8	18.8	F	5710	K	10	1	4.30			18
✓ 12.0	23.5	H		E	N	1	4.38 F			17
✓ 13.1	6.5	F	5711	K	10	1	4.33			20
✓ 13.6	9.0	Q		E	N	1	4.35			20
✓ 13.3	9.2	F	5712	K	10	1	4.20			20
✓ 13.7	9.7	F	5713	K	10	1	3.92			20
✓ 13.4	9.7	Q		R	N	2	3.13		6.76	20
✓ 13.3	10.4	F	5714	K	10	1	4.10			19
✓ 13.4	11.0	G		K	10	1	4.05		7.36	19
✓ 13.8	11.5	F5-G	5715	K	10	1	3.97		7.76	19
✓ 13.7	19.5	G		K	10	1	4.30			18
✓ 13.1	20.6	H		K	10	1	4.15 F			18
✓ 14.4	7.5	F	5716	K	10	1	4.20			20
✓ 14.6	10.2	Q		O	N	2	3.72		7.53	20

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1875 C.P.D. 1875 1875

Approx	Design.	R.A.	Dec.	Mag.	R.A. 1900	Dec. 1900	Vol.
19 41	-77° 37	-77 1395	19 40 42.0	-77°	37.3	8.0 ✓	
19 24	-77 50	-77 1370	19 23 35.5	-77	50.8	8.1 ✓	
18 54	-78 3	-78 1217	18 54 11.2	-78	3.3	7.9 ✓	18 58.0 -78 1 54
18 9	-77 26	-77 1298	18 9 46.0	-77	25.2	7.8 ✓	
17 57	-77 6	-77 1289	17 57 2.0	-77	5.7	7.5 ✓	
20 22	-77 19	-77 1447	20 22 5.6	-77	18.9	8.0 ✓	
20 15	-77 36	-77 1381	20 15 22.0	-77	36.5	8.1 ✓	
		-74 1441	20 15 38.1	-74	42.2	8.3	
18 29	-77 59	-77 1314	18 28 35.0	-77	59.3	7.0 ✓	18 32.5 -77 58 50
18 23	-78 11	-78 1180	18 23 33.0	-78	10.1	7.1 ✓	18 27.4 -78 9 54
17 40	-77 38	-77 1277	17 40 4.0	-77	47.7	7.5 ✓	17 43.9 -77 49 54
20 9	-78 36	-78 1308	20 9 42.0	-78	35.1	7.8 ✓	
19 45	-79 6	-79 1050	19 45 5.2	-79	6.8	7.8 ✓	
		-79 1051	19 45 11.6	-79	7.2	8.5	
18 55	-79 14	-79 1004	18 55 6.5	-79	13.3	7.7 ✓	
18 42	-79 22	-79 985	18 41 4.5	-79	22.3	7.4 ✓	
18 33	-79 18	-79 969	18 33 1.0	-79	18.8	8.3 ✓	
18 25	-79 20	-79 963	18 25 18.0	-79	20.0	8.6 ✓	
17 41	-78 22	-78 1152	17 41 13.0	-78	21.1	8.7 ✓	
20 35	-78 36	-78 1344	20 34 32.0	-78	35.1	7.9 ✓	
20 12	-79 18	-79 1092	20 11 47.9	-79	18.5	7.8 ✓	
20 10	-79 8	-79 1089	20 9 15.9	-79	9.1	7.8 ✓	
20 5	-79 25	-79 1081	20 5 16.0	-79	26.1	7.6 ✓	
20 4	-79 20	-79 1079	20 4 6.6	-79	20.5	6.7 ✓	20 7.9 -79 17 54
19 57	-79 22	-79 1065	19 57 41.7	-79	22.4	7.8 ✓	
19 52	-79 28	-79 1056	19 51 9.7	-79	27.7	7.7 ✓	19 55.1 -79 24 54
19 47	-79 45	-79 1052	19 46 25.2	-79	45.6	7.5 ✓	19 50.4 -79 42 54
18 15	-79 43	-79 960	18 15 30.0	-79	42.6	8.4 ✓	
18 6	-79 18	-79 955	18 5 53.0	-79	19.0	8.4 ✓	
20 30	-79 24	-79 1108	20 30 37.2	-79	23.8	7.9 ✓	
20 3	-79 59	-79 1074	20 2 19.7	-79	58.6	7.2 ✓	20 6.2 -79 55 54

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V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√14.4	10.8	A		E	N	1	4.19	8.08		19
√14.8	13.6	H		E	N	1	4.25 / F			19
√14.9	20.1	K		K	10	2	3.40 / 3.79	5.92		18
√14.4	20.4	H		E	N	1	4.10 4.20 / 4.23 F	7.33		18
√15.0	20.8	H		K	10	2	4.10 / 4.23			17
√15.9	8.3	H		E	N	1	4.12 / F			20
√15.7	17.8	A		L	N	3	3.16			18
√16.8	8.7	A		E	N	1	4.33			20
√16.9	9.3	A		E	N	1	4.40			20
√16.6	10.1	F	5717	E	10	2	3.97	7.55		20
√18.0	6.5	A		η	N	2	3.78			21
√17.4	10.3	K		K	10	3	3.43 / 3.67	5.81		20
√17.7	11.3	A		E	N	1	4.17			19
√17.8	13.0	A		E	N	1	4.28			19
√17.3	13.2	K		K	10	2	3.72 / 3.98	6.32		19
√17.8	14.8	G		K	10	2	3.71	6.66		19
√17.4	15.0	G		K	10	2	4.00	8.03		19
√17.0	16.5	F	5718	K	10	2	3.85	7.78		18
√16.9	18.3	F	5719	K	10	1	4.23			18
√17.8	18.7	A		λ	N	3	2.80	6.34		18
√17.6	21.1	H		E	N	1	4.27 / F			17
√17.7	21.4	H		K	10	2	3.70 / 4.15	6.32		17
√17.9	21.9	F2	G	E	10	2	3.80			17
√17.8	23.9	A		E	N	2	3.90			17
√17.4	24.2	Ma		E	N	2	3.63 / 4.08			17
√18.2	7.6	F	5720	H	10	2	3.82			20
√18.2	10.1	K		K	10	3	3.55 / 3.93	5.76		20
√18.4	11.6	G		K	10	1	4.25			19
√19.0	12.4	H		E	N	1	4.4° / F	7.30		19

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Approx	Design.	C.P.D.	R.A.	Dec.	Mag.	R.A. 1900	Dec 1900					Vol.
1875		1875	1875									
19 56	-79° 57'	-79°	19h 55m 29.6s	-79°	56.6	7.8	✓	19	59.5	-79	53	54
19 23	-80 22	-80	924 19 23 40	-80	21.9	8.5	✓					
18 6	-80 18	-80	849 18 6 45	-80	17.1	7.6	✓	18	11.3	-80	17	50
18 4	-79 59	-79	952 18 4 13.0	-79	58.4	9.0	✓	18	8.6	-79	58	54
17 57	-80 17	-80	847 17 57 45	-80	16.1	8.4	✓					
20 29	-80 18	-80	978 20 28 56	-80	17.8	8.2	✓					
18 33	-80 53	-80	858 18 32 42	-80	51.8	6.5	✓					
20 28	-80 45	-80	977 20 28 9	-80	46.0	8.2	✓					
20 22	-80 58	-80	970 20 22 13	-80	57.8	8.0	✓					
20 10	-80 57	-80	957 20 10 55	-80	56.8	7.6	✓	20	15.1	-80	52	54
21 0	-80 49	-80	1000 20 59 15	-80	51.3	7.4	✓					
20 12	-81 21	-81	901 20 12 20	-81	22.2	7.4	✓	20	16.6	-81	17	50
		-81	900 20 12 20	-81	21.7	9.2						
19 59	-81 38	-81	890 19 59 24	-81	39.0	8.0	✓					
19 37	-81 52	-81	871 19 37 35	-81	53.2	7.8	✓					
19 32	-81 39	-81	868 19 32 51	-81	39.4	7.6	✓	19	37.6	-81	36	50
19 10	-82 0	-82	770 19 10 19	-82	0.0	7.6	✓	20	15.4	-82	57	54
19 8	-81 45	-81	850 19 8 27	-81	46.0	7.8	✓	19	13.4	-81	44	54
18 47	-81 36	-81	831 18 47 15	-81	35.5	7.7	✓	18	52.2	-81	34	54
18 25	-81 24	-81	815 18 24 59	-81	23.1	8.6	✓					
18 17	-81 54	-81	813 18 16 35	-81	53.8	6.4	✓	18	21.7	-81	53	50
17 45	-81 24	-81	800 17 45 13	-81	24.7	8.8	✓					
17 40	-81 29	-81	799 17 40 27	-81	27.8	8.2	✓	17	45.4	-81	29	50
17 33	-81 24	-81	798 17 33 20	-81	24.4	7.4	✓					
17 10	-80 58	-80	830 17 10 57	-80	57.3	7.7	✓					
17 8	-80 45	-80	828 17 8 7	-80	44.2	7.4	✓					
20 47	-81 11	-81	938 20 47 47	-81	10.7	7.4	✓					
20 17	-81 42	-81	906 20 17 1	-81	42.4	7.2	✓	20	21.4	-81	37	50
19 58	-81 59	-81	888 19 58 24	-81	59.0	8.1	✓					
19 49	-82 24	-82	798 19 49 13	-82	22.6	8.2	✓	17	38.3	-81	25	54

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Plate B 11050

V.	H.	Col.	Num.	L.	K.	Int.	Bx.	Photm. Magn.	Diff.	
√	18.4	20.5	A		η	η	2	3.90		
√	18.1	20.7	F	5721	K	10	1	4.10		
√	19.3	8.4	H		ε	η	1	4.40 F		
√	19.2	16.9	F	5722	K	10	1	4.18		
√	19.8	17.9	H		ε	η	1	4.30 F		
√	19.5	19.9	H		ε	η	1	4.30 F	7.79	
√	20.5	8.8	G		K	10	2	3.87		
√	20.4	13.0	G		K	10	1	4.23		
√	20.3	14.3	H		ε	η	1	4.25 F		
√	21.0	17.4	A		K	η	3	3.11	6.58	
√	20.8	17.7	K		K	10	2	3.80 4.10	6.77	
Double not 18.5	20.5	19.5	H		ε	η	1	4.21 F		
√	21.0	22.9	A F	~~5723~~	K	η	2	3.21		
√	20.8	24.1	F	5723	K	10	2	3.60	7.41	
√	20.8	24.4	A		η	η	2	3.48	7.24	
√	21.3	7.2	A		ε	η	1	4.08		
√	21.3	8.3	F	5724	K	10	1	4.20		
√	21.6	12.4	A F		ε	2	3	3.00	6.26	
√	21.1	16.6	F	5725	E	10	2	3.56	7.45	
√	21.3	17.8	H		K	10	2	3.78 4.15	7.71	
√	21.2	20.9	F	5726	E	10	2	3.58	7.30	
√	22.8	7.0	F	5727	K	10	2	4.07		
√	23.2	7.3	G		K	12	3	2.82		
Double not 8.1	22.5	9.1	A		ε	η	3	3.2		
√	23.0	8.7	A		θ	η	2	3.35		
√	22.9	9.3	A		ε	η	2	3.70		
√	22.8	9.7	H		ε	η	1	4.0 F		
√	22.2	10.3	H		ε	η	1	4.07 F		
√	22.1	14.1	H		ε	η	1	4.32 F		

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1875 CPD. 1875 1875

Approx	Deign.	RA	Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.					
17 49	-81 52	-81°	80.3	17h 49m 21s	-81°	50.9	7.9	✓				
17 48	-81 42	-81	80.1	17 48 3	-81	40.2	8.5	✓				
20 45	-81 51	-81	93.6	20 45 19	-81	52.7	8.3	✓				
18 40	-82 40	-82	75.5	18 39 24	-82	39.4	7.8	✓				
18 22	-82 50	-82	74.0	18 22 32	-82	50.6	8.4	✓				
17 53	-82 32	-82	72.5	17 52 49	-82	31.5	8.8	✓	17 58.3	-82 32	54	
20 47	-82 30	-82	84.3	20 48 6	-82	30.9	7.6	✓				
19 43	-83 9	-83	69.3	19 43 24	-83	8.5	8.1	✓				
19 21	-83 13	-83	68.6	19 21 21	-83	12.5	8.3	✓				
18 28	-83 32	-83	66.4	18 27 45	-83	33.1	5.8	✓	18 33.9	-83 32	54	
18 23	-83 26	-83	66.3	18 21 56	-83	25.6	8.4	✓	18 28.0	-83 25	50	
18 14	-82 59	-82	73.7	18 12 23	-82	58.8	8.6	?				Correct if 18.5 intended
17 0	-82 39	-82	70.7	17 0 58	-82	38.6	6.2	✓				
16 46	-82 17	-82	70.3	16 46 36	-82	12.4	7.1	✓	16 51.8	-82 15	54	
16 43	-82 8	-82	70.0	16 43 51	-82	7.7	7.1	✓	16 48.9	-82 11	54	
		-82	70.1	16 43 53	-82	7.2	8.7					
21 16	-82 28	-82	85.9	21 15 36	-82	28.1	7.6	✓				
20 59	-82 44	-82	85.0	20 59 2	-82	43.0	7.9	✓				
19 58	-83 42	-83	69.5	19 57 56	-83	41.2	6.3	✓	20 3.6	-83 37	50	
18 42	-83 40	-83	67.4	18 41 41	-83	39.1	7.3	✓	18 47.9	-83 37	54	
18 20	-83 40	-83	66.2	18 20 8	-83	40.4	8.5	✓	18 26.4	-83 39	54	
17 28	-83 12	-83	63.6	17 28 0	-83	10.8	7.0	✓	17 33.9	-83 12	54	
21 30	-83 0	-83	72.1	21 30 38	-83	02	7.2	✓				
21 31	-83 18	-83	72.2	21 31 30	-83	17.4	6.2	✓				
21 13	-83 13	-83	71.6	21 13 17	-83	13.4	6.5	✓				Correct if 8.1 intended
21 10	-83 33	-83	71.5	21 9 48	-83	34.1	6.9	✓				
20 59	-83 42	-83	71.1	20 59 26	-83	43.3	7.6	✓				-83 71.2 suspend ?
20 52	-83 45	-83	70.9	20 52 30	-83	46.0	8.6	✓				
20 36	-83 36	-83	69.9	20 36 19	-83	36.8	8.1	✓				
19 28	-83 6	-83	61.0	19 28 8	-83	5.2	8.6	✓				

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Plate B 11050

	V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
	✓	23.7	15.3	Q		ε	𝔑	1	4.11		
	✓	22.5	15.4	F	5728	K	10	1	4.31		
	✓	23.7	15.9	G		K	10	1	4.20	7.93	
	✓	22.1	17.1	Q		θ	𝔑	2	3.51	7.61	
	✓	23.1	18.8	Q		λ	𝔑	3	3.10	6.54	
	✓	23.1	19.7	Q		ε	𝔑	1	4.24		
	✓	23.5	20.1	Q		ε	𝔑	1	4.18		
9.25 P.M.	✓	23.0	20.7	G		K	10	1	4.10	7.78	

10.00 P.M.

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1875 C.P.D. 1875 1875

Asiprog	Design.	R.A. Dec.	Magn.	P.A. 1900	Dec. 1900	Vol.
19 5 -84 55	-84 605	19h 5m 22s -84°	56.0	84 ✓		
19 3 -84 18	-84 604	19 2 43 -84	18.5	8.3 ✓		
18 53 -84 55	-84 599	18 53 8 -84	55.8	8.5 ✓	19 0.5 -84 54	54
18 30 -84 5	-84 587	18 29 49 -84	4.7	7.3 ✓	18 36.4 -84 4	54
17 54 -84 24	-84 573	17 53 17 -84	25.1	6.3 ✓	18 17 0.3 -84 25	54
17 38 -84 14	-84 567	17 36 42 -84	13.9	8.5 ✓		
17 26 -84 22	-84 564	17 26 7 -84	21.3	8.3 ✓		
17 19 -84 3	-84 560	17 18 46 -84	2.1	8.1 ✓	17 25.3 -84 4	54

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July 12, 1904.

9.00 P.M. Plate B6498 9.45 P.M.

V.	H.	Cl.	Rem.	L.	K.	Int.	Bx.	Photom. Magn.	Diff.	
√5.2	5.9	H5-G		K	10	1	3.66	6.17		22
√5.6	9.1	H		E	N	1	4.15 F			21
√4.1	14.5	A		γ	N	2	3.61	6.84		21
√6.3	15.8	A		E	N	1	4.25			20
√5.7	15.7	H		E	N	1	4.20 F	6.46		20
√6.8	19.0	H2,3	F5729	K	10	2	3.21			20
√4.2	19.2	F	5730	K	10	2	3.44			20
√6.6	8.2	G5K		K	10	1	3.72 4.00	6.21		22
√6.2	8.2	H		E	N	1	4.12 F	6.52		21
√6.4	9.2	F	5731	E	10	2	3.21	5.91		21
√6.4	10.0	G5K		K	10	1	4.10 4.30			21
√6.4	13.8	A		E	N	1	4.26			21
√6.6	18.7	H		E	N	1	4.21 F			20
√7.2	16.2	F2G		ε	10	3	2.33			20
√8.2	12.2	K2M			12	4	1.00 1.70	3.74		21
Is this not 83? 9.5	9.3	F	5732	Θ	10	3	2.41	5.42		22
√9.2	10.1	G5F		Θ	8	2	2.99	6.64		21
√10.2	7.5	A		E	N	1	4.20			2
√10.8	11.3	H		E	N	1	4.25 F			21
√10.4	13.3	H		E	N	1	4.11 F			21
√10.0	20.0	A		E	N	1	3.91			20
√11.1	7.6	H		K	10	1	4.21 F			22
√11.7	15.7	F	5733	K	10	1	4.00			20
√11.2	17.7	F	5734	K	10	1	3.95			20
√11.2	19.5	G		K	10	1	4.20			20
√11.0	19.8	G		K	10	1	4.05			20
√11.6	20.0	F	5735	K	10	1	3.77			21
√11.4	20.3	A		ε	N	2	2.78			20
√11.6	20.7	G		K	10	1	3.96			19

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1875 C.P.D. 1875 1875

Approx	Design.	RA	Dec.	Mag.	RA. 1900	Dec. 1900	Vol.
22h 15m	-75° 37'	-75° 1748	22h 14m 55.0	-75° 38.8	6.6 ✓	22 17.1 -75 31	50
21 50	-76 15	-76 1541	21 49 58.0	-76 16.4	8.0 ✓		
21 5	-75 50	-75 1697	21 4 34.1	-75 51.6	7.0 ✓	21 7.4 -75 46	50
20 54	-76 28	-76 1472	20 53 57.7	-76 28.3	7.8 ✓		
20 54	-76 42	-76 1473	20 54 17.2	-76 42.4	7.2 ✓	20 57.3 -76 36	50
20 26	-76 36	-76 1434	20 26 32.1	-76 36.8	7.0 ✓		
20 27	-75 47	-75 1644	20 26 47.9	-75 46.7	7.0 ✓		
22 0	-76 44	-76 1549	22 0 1.0	-76 43.6	7.0 ✓	22 2.5 -76 37	50
21 59	-76 30	-76 1547	21 58 50.0	-76 29.3	7.3 ✓	22 1.2 -76 22	50
21 50	-76 43	-76 1542	21 50 45.0	-76 42.8	6.0 ✓	21 53.2 -76 36	50
21 44	-76 48	-76 1540	21 44 32.0	-76 48.0	7.3 ✓		
21 11	-77 4	-77 1494	21 10 56.5	-77 3.3	7.8 ✓		
20 28	-76 59	-76 1436	20 27 33.8	-76 58.8	8.0 ✓		
20 50	-77 30	-77 1474	20 49 29.7	-77 29.8	6.6 ✓		
21 28	-77 57	-77 1510	21 27 29.0	-77 56.6	5.9 ✓	21 30.4 -77 50	50
22 6	-78 8	-78 1442	22 5 37.0	-78 7.9	6.0 ✓	22 8.2 -78 1 Star Incorrect	50
21 48	-78 15	-78 1430	21 48 41.9	-78 15.5	7.3 ✓	21 51.4 -78 8	50
22 16	-78 20	-78 1447	22 15 37.0	-78 20.9	8.0 ✓		
21 38	-79 9	-79 1176	21 39 7.2	-79 9.5	8.0 ✓		
21 19	-79 4	-79 1152	21 17 55.7	-79 5.2	8.0 ✓		
20 9	-78 36	-78 1308	20 9 12.0	-78 35.1	7.8 ✓		
22 18	-78 50	-78 1449	22 17 51.0	-78 50.9	8.2 ✓		
20 52	-79 47	-79 1133	20 52 34.5	-79 46.1	8.2 ✓		
20 31	-79 24	-79 1108	20 30 37.2	-79 23.8	7.8 ✓		
20 12	-79 18	-79 1092	20 11 47.0	-79 18.5	7.8 ✓		
20 9	-79 10	-79 1089	20 9 15.9	-79 9.1	7.8 ✓		
21 5	-79 27	-79 1081	20 5 16.0	-79 26.1	7.6 ✓		
20 4	-79 21	-79 1079	20 4 6.6	-79 20.5	6.7 ✓		
19 58	-79 22	-79 1065	19 57 41.7	-79 22.4	7.8 ✓		

Should be 8.3 if intended

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Plate B 6498

V.	H.	Tel.	Rem.	L.	K.	Int.	B-v.	Photom. Magn.	Diff.
√12.0	21.2	H		K	10	1	{3.90 4.10		
√11.6	22.0	F	5736	K	10	1	3.88		
√12.4	7.5-	K		K	10	2	{3.60 4.00	6.08	
√12.9	9.2	A		E	N	1	4.21		
√13.0	11.5-	H		K	10	1	{4.10 F		
√12.2	13.0	F2	G	Y	10	3	2.99	6.33	
√13.0	14.0	H		K	10	1	{3.62 4.00		
√12.9	17.7	H		K	10	1	{3.98 4.30		
√12.7	20.0	A		O	N	2	3.40		
√12.8	20.6	F	5737	K	10	1	3.95-		
√12.7	21.5-	A		E	N	1	4.00		
√13.3	13.7	A		X	N	3	2.59	6.72	
√13.8	14.6	G5	K	K	10	1	{3.75- 4.03		
√13.8	15.1	A		O	N	2	3.50		
√13.4	17.4	H		E	N	1	{4.13 F		
√13.8	17.6	A		E	N	1	4.00		
√14.8	10.0	Mb		K	10	3	{2.83 3.02	5.11	
√14.2	12.5-	H		E	N	1	{4.40 F		
√14.5-	16.0	F	5738	E	10	2	3.31		
√14.3	16.7	H		E	N	1	{4.12 F		
√14.4	18.9	F	5739	K	10	2	3.67		
√15.3	17.3	A		L	N	4	1.40	5.52	
√15.8	16.1	H		E	N	1	{4.03 F		
√15.7	18.2	K		K	10	2	{3.22 3.68	5.76	
√15.1	18.6	K		K	10	3	{2.77 3.26	5.81	
√15.9	19.4	A		E	N	1	4.20		
√17.0	14.0	F	5740	E	10	2	3.80		
√17.0	16.8	Y		K	12	3	3.30		
√16.9	20.7	A		E	N	1	4.00		

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C.P.D. 1875 1875

Design	R.A. Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
19 52 -79 28	-79° 1056	19 51 9.7	-79° 27.7	7.7 ✓	
19 45 -79 10	-79 1049	19 44 33.2	-79 9.8	7.9 ✓	
22 23 -79 24	-79 1206	22 23 25.0	-79 24.9	7.4 ✓	22 25.9 -79 17 50
22 7 -79 54	-79 1197	22 7 6.0	-79 55.0	8.2 ✓	
21 42 -80 18	-80 1034	21 42 27	-80 18.3	7.9 ✓	
21 23 -79 59	-79 1158	21 23 10.3	-79 59.7	7.0 ✓	21 26.5 -79 54 50
21 12 -80 28	-80 1013	21 12 5	-80 27.5	8.2 ✓	
20 29 -80 18	-80 978	20 28 56	-80 17.8	8.2 ✓	
20 2 -79 59	-79 1074	20 2 19.7	-79 58.6	7.2 ✓	
19 55 -79 57	-79 1063	19 55 29.6	-79 56.6	7.8 ✓	
19 46 -79 45	-79 1052	19 46 25.2	-79 45.6	7.5 ✓	
21 16 -80 35	-80 1017	21 16 43	-80 34.8	6.4 ✓	21 20.2 -80 29 50
21 5 -80 38	-80 1006	21 4 45	-80 37.9	8.2 ✓	
21 0 -80 52	-80 1000	21 59 15	-80 51.3	7.4 ✓	
20 30 -80 36	-80 981	20 30 40	-80 35.0	8.4 ✓	
20 28 -80 45	-80 977	20 28 9	-80 46.0	8.2 ✓	
22 6 -80 4	-80 995	22 5 32	-80 3.6	6.6 ✓	22 8.8 -80 57 50
21 33 -80 57	-80 1028	21 32 41	-80 57.4	8.6 ✓	
20 48 -81 11	-81 938	20 47 47	-81 10.7	7.4 ✓	
20 39 -81 6	-81 927	20 39 8	-81 5.4	8.6 ✓	
20 10 -80 57	-80 957	20 10 55	-80 56.8	7.6 ✓	
22 38 -80 48	-80 1055	22 38 35	-80 47.0	4.9 ✓	22 41.0 -80 29 50
20 45 -81 52	-81 936	20 45 19	-81 52.7	8.3 ✓	
22 17 -81 42	-81 906	22 17 1	-81 42.4	7.2 ✓	20 21.4 -81 37 50
20 12 -81 23	-81 901	20 12 20	-81 22.2	7.4 ✓	20 16.6 -81 17 50
19 59 -81 40	-81 890	19 20 59 24	-81 39.0	8.0 ✓	
21 16 -82 30	-82 859	21 15 36	-82 28.1	7.6 ✓	
20 48 -82 32	-82 843	20 48 6	-82 30.9	7.6 ✓	
19 38 -81 54	-81 871	19 37 35	-81 53.2	7.8 ✓	

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July 12, 1904

Plate B6498

V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√ 16.5	21.2	K		K	10	2	{3.56 3.95}	6.32		19
√ 17.6	6.5	H		K	10	1	{3.84 4.16}	6.48		23
√ 17.4	8.7	A		λ	9	4	0.72	4.34		22
√ 17.5	16.1	F	5741	K	10	1	4.03			20
√ 17.5	19.7	H		ε	9	1	{4.30 F}			19
√ 17.8	22.4	K		K	10	2	{3.60 3.95}			19
√ 17.5	22.7	F	5742	K	10	1	4.18			19
√ 18.0	24.3	F	5743	K	10	1	4.10			18
√ 16.2	13.2	F	5744	K	10	2	3.61			21
√ 18.7	13.2	G5	K	Θ	10	3	{2.23 2.37}	5.38		21
√ 18.4	14.2	A		X	9	2	2.58	6.52		21
√ 19.9	10.3	F	5745	K	10	1	4.20			22
√ 19.4	13.8	H		ε	9	1	{4.28 F}			21
√ 19.1	14.5	A		ν	9	2	2.99			21
√ 19.5	15.0	F	5746	ξ	10	2	3.29			20
√ 19.5	16.4	H		ε	9	1	{4.10 F}			20
√ 19.3	16.4	H		ε	9	1	{3.98 4.40}			20
√ 19.8	18.4	A		ν	9	3	2.48	6.26		19
√ 19.1	19.6	F	5747	K	10	1	4.09			19
√ 19.7	20.7	H		ε	9	1	{4.2 F}			19
√ 20.4	8.9	H		ε	9	1	{4.21 F}			22
√ 20.7	10.6	F	5748	η	10	2	3.18			22
√ 20.9	11.6	F	5749	K	10	1	4.20			22
√ 20.3	12.3	H		ε	9	1	{4.12 F}			21
√ 20.8	16.0	F	5750	K	10	1	4.26			20
√ 21.7	10.7	F	5751	K	10	1	4.22			22
√ 21.2	13.7	A		η	9	2	3.60			21
√ 21.6	15.2	F2	G	K	10	2	4.13			20
√ 21.9	17.2	A		η	9	2	3.33			20

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1903phae.proj..898F

Appleton C.P.D. 1875 1875

h 1875	Design.	R.A.	Dec.	Magn.		R.A. 1900	Dec. 1900	Vol.
19h 33m	-81° 40	-81° 868	19h 32m 51s	-81°	39.4 7.6 ✓	19 37.4	-81 36	50
23 1	-81 36	-81 1024	23 1 39	-81	35.4 7.7 ✓	23 3.8	-81 27	50
22 34	-82 3	-82 889	22 33 7	-82	2.0 4.7 ✓	22 35.8	-81 54	50
20 59	-82 43	-82 850	20 59 2	-82	43.0 7.9 ✓			
19 50	-82 24	-82 798	19 49 13	-82	22.6 8.2 ✓			
19 10	-82 1	-82 770	19 10 19	-82	0.0 7.6 ✓			
19 8	-81 45	-81 850	19 8 27	-81	46.0 7.8 ✓			
18 48	-81 36	-81 831	18 47 15	-81	35.5 7.7 ✓			
21 30	-83 0	-83 721	21 30 38	-83	0.2 7.2 ✓			
21 32	-83 18	-83 722	21 31 30	-83	17.4 6.2 ✓	21 35.6	-83 11	50
21 13	-83 14	-83 716	21 13 17	-83	13.4 6.5 ✓	21 17.6	-83 7	50
22 23	-83 29	-83 738	22 23 54	-83	27.6 8.0 ✓			
21 22	-83 38	-83 719	21 22 53	-83	37.9 8.7 ✓			
21 8	-83 35	-83 715	21 9 48	-83	34.1 6.9 ✓			
20 59	-83 44	-83 711	20 59 26	-83	43.3 7.6 ✓			
20 52	-83 47	-83 709	20 52 30	-83	46.0 8.6 ✓			
20 36	-83 37	-83 699	20 36 19	-83	36.8 8.1 ✓			
19 58	-83 42	-83 695	19 57 56	-83	41.2 6.3 ✓	20 3.6	-83 37	50
19 43	-83 9	-83 693	19 43 24	-83	8.5 8.1 ✓			
19 21	-83 12	-83 686	19 21 21	-83	12.5 8.3 ✓			
22 50	-83 22	-83 743	22 49 47	-83	22.5 8.1 ✓			
22 23	-83 54	-83 739	22 24 15	-83	53.9 6.7 ✓			
22 8	-84 10	-84 639	22 8 27	-84	8.6 7.7 ✓			
21 50	-83 58	-83 730	21 51 10	-83	57.7 8.2 ✓			
20 41	-84 26	-84 625	20 41 2	-84	24.2 6.3 ✓			
22 30	-84 24	-84 646	22 29 44	-84	23.6 7.8 ✓			
21 27	-84 32	-84 633	21 28 19	-84	31.8 7.2 ✓			
20 55	-84 48	-84 626	20 54 57	-84	49.1 7.6 ✓			
20 12	-84 50	-84 619	20 12 27	-84	49.6 7.1 ✓			

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July 12, 1904

Plate B 6498

	V.	H.	Cl.	Rem.	L.	M.	Int.	Bx.	Photom. Magn.	Diff.	
✓	21.6	22.2	F	5752	K	10	2		3.70		
✓	21.9	23.0	A		O	N	3		3.73		
✓	21.9	23.4	H		E	N	1		4.00 4.40	6.77	
✓	21.6	6.4	H		E	N	1		4.21 F		
✓	22.6	6.6	H		E	N	1		4.15 F		
✓	23.3	13.9	K		K	10	3		3.72 4.10		
✓	22.7	14.8	K		K	10	2		3.70 4.10	6.40	
✓	23.7	15.3	A		E	N	1		3.90		
✓	22.5	15.4	F	5759	K	10	1		3.93		
✓	23.4	16.5	K		K	10	2		3.91 4.12		
✓	22.7	22.2	F	5753	K	10	2		3.63		
9.45 P.M. ✓	24.4	23.2	A		E	N	2		3.12	6.54	

10.15 P.M.

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Apparent C.P.D. 1875 1875

1875 Design. G.A. Dec. Mag. R.A. 1900 Dec. 1900 Vol.

18h 42m	-83° 40′	-83°674	18h 41m 41s	-83°	39.1	7.3 ✓						
18 28	-83 33	-83 664	18 27 45	-83	33.1	5.8 ✓						
18 22	-83 26	-83 663	18 21 56	-83	25.6	8.4 ✓	18	28.0	-83	25	50
23 36	-83 12	-83 756	23 35 43	-83	11.9	7.8 ✓						
23 46	-83 42	-83 758	23 46 13	-83	42.2	8.0 ✓						
21 28	-85 36	-85 528	21 28 39	-85	36.4	7.6 ✓						
21 5	-85 21	-85 519	21 4 36	-85	20.4	7.9 ✓	21	10.5	-85	14	50
20 54	-85 48	-85 518	20 52 54	-85	47.9	7.8 ✓						
20 51	-85 15	-85 517	20 50 51	-85	15.4	8.0 ✓						
20 47	-85 42	-85 516	20 47 0	-85	42.0	8.1 ✓						
18 30	-84 5	-84 587	18 29 49	-84	4.7	7.3 ✓						
17 53	-84 24	-84 573	17 53 17	-84	25.1	6.3 ✓	18 17	0.3	-84	25	54

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1903phae.proj..898F

July 14, 1904.

8.00 P.M. Plate B33076 8.40 P.M.

V.	H.	Cl.	Rem.	L.	K.	Int.	Bx.	Photom. Magn.	Diff.
√5.4	12.8	H		E	N	1		4.27 F.	
√5.6	14.7	A		E	N	1		4.06	
√5.8	17.8	A		E	N	1		4.15	
√6.0	18.3	H		K	10	1		4.20 F	
√5.1	21.8	F2G		η	10	2		3.33	5.96
√5.7	22.0	F2G		K	10	2		3.30	6.22
√6.7	13.5	F5G4		E	10	2		3.50	
√6.6	17.6	H		E	N	1		4.21 F	
√6.4	23.5	H		E	N	1		4.25 F	
√8.0	8.6	A		K	N	3		2.70	5.69
√8.0	16.5	A2F		O	2	3		3.10	
√8.2	5.6	A		E	N	1		3.90	
√8.6	6.4	H		K	10	1		3.90 F	
√9.5	5.6	G5K		K	10	2		2.68 2.80	5.30
√9.2	9.3	H		K	10	1		4.02 F	
√9.8	13.0	H		K	10	1		3.97 4.30	
√9.0	18.0	A		λ	N	3		2.89	
√10.7	23.8	H		E	N	1		3.82 F	
√10.7	24.5	A		K	N	3		2.53	5.52
√11.2	7.6	F2G		K	10	2		3.10	6.18
√12.0	7.7	A		E	N	2		3.44	
√11.1	10.0	H		E	N	1		4.32 F	
√11.4	10.5	A5F		η	5	2		3.30	
√11.1	11.6	H		E	N	1		3.97 4.30	
√11.4	13.7	F8G		K	10	2		3.70	
√11.7	19.4	G5K		K	10	1		4.22 F	
√12.9	6.0	A		ι	N	3		2.98	6.25
√12.5	8.0	G5K		K	10	1		4.00 4.20	
√12.4	10.6	G5K		K	10	2		3.54 3.82	

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1875 C.P.D. 1875 1875

Approx	Design	R.A.	Dec.	Mag.	R.A. 1900	Dec. 1900	Vol.
4h 17 -70°	1 -70	290	4h 17m 13.0s -70°	1.9	8.2 ✓		
4 6 -70	13 -70	276	4 6 23.5 -70	12.2	7.8 ✓		
3 47 -70	15 -70	257	3 47 44.0 -70	16.0	7.5 ✓		
3 45 -70	24 -70	254	3 44 50.0 -70	24.6	7.6 ✓		
	-70	255	3 45 3.0 -70	24.4	7.8		
3 25 -69	46 -69	192	3 25 1.0 -69	46.4	6.3 ✓	3 25.1 -69 41	50
3 24 -70	4 -70	230	3 23 30.5 -70	3.9	6.7 ✓	3 23.6 -69 59	50
4 14 -70	45 -70	287	4 13 54.0 -70	44.0	7.7 ✓		
3 48 -70	44 -70	259	3 48 50.0 -70	44.1	8.1 ✓		
3 14 -70	15 -70	217	3 14 17.9 -70	14.4	7.5 ✓		
4 44 -71	12 -71	282	4 44 18.0 -71	9.6	5.9 ✓	4 44.0 -71 7	50
4 1 -71	30 -71	234	4 1 27.5 -71	30.9	6.7 ✓		
5 2 -70	48 -70	350	5 1 57.0 -70	48.0	8.3 ✓		
4 58 -71	6 -71	301	4 58 14.5 -71	6.8	8.7 ✓		
5 4 -71	30 -71	309	5 4 20.0 -71	29.1	7.9 ✓	5 4.0 -71 27	50
4 41 -71	45 -71	278	4 41 28.0 -71	44.4	7.9 ✓		
4 18 -72	18 -72	295	4 18 12.0 -72	18.0	8.4 ✓		
3 46 -72	0 -72	262	3 46 3.0 -72	2.7	6.2 ✓		
3 6 -72	29 -72	228	3 6 39.3 -72	30.1	7.6 ✓		
3 2 -72	24 -72	219	3 2 0.5 -72	23.5	5.6 ✓	3 2.0 -72 18	50
4 55 -72	36 -72	332	4 55 11.0 -72	36.8	7.1	Rs-4 54.8 -72 35?	50
4 55 -72	59 -72	334	4 55 43.0 -72	57.7	7.7 ✓		
4 39 -72	45 -72	314	4 39 13.5 -72	43.1	8.8 ✓		
4 37 -73	0 -73	311	4 36 35.0 -73	59.2	7.4 ✓		
4 28 -72	54 -72	304	4 28 48.5 -72	54.3	8.0 ✓		
4 15 -73	7 -73	251	4 14 49.5 -73	8.0	7.5 ✓		
3 35 -73	15 -73	231	3 35 9.5 -73	15.5	8.3 ✓		
5 8 -73	12 -73	286	5 8 40.0 -73	12.0	6.4 ✓	5 8.2 -73 10	50
4 54 -73	12 -73	280	4 54 23.0 -73	11.9	8.4 ✓		
4 36 -73	28 -73	269	4 36 31.0 -73	27.6	8.0 ✓		

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1903phae.proj..898F

July 14, 1904

Plate B 33076

V.	H.	Cl.	Rem.	L.	H	Int.	B-v.	Photom. Magn.	Diff.
√ 13.7	10.4	H		E	N	1		4.14 F	
√ 14.0	17.4	Ma		K		12 3		2.40 2.58	3.17
√ 13.7	17.8	A		E	N	1		3.60	
√ 13.8	18.8	H		E	N	1		3.92 F	
√ 13.2	20.1	A		E	N	1		3.98	
√ 13.1	20.2	H		E	N	1		4.10 F	
√ 13.5	21.8	A		E	N	1		3.88	
√ 13.7	23.3	H		E	N	1		4.14 F	
√ 15.0	17.1	F	5755	K		10 2		3.53	
√ 14.2	21.2	F	5756	K		10 2		3.65	
√ 14.5	22.1	F	5757	K		10 1		3.90	
√ 15.0	22.2	G		K		10 2		3.42	
√ 15.3	7.3	A		G	N	3		3.16	
√ 15.4	18.4	F	5758	K		10 2		3.30	
√ 15.2	19.5	A		E	N	2		3.51 ~~3.97~~	
√ 15.2	20.7	A		E	N	1		3.97	
√ 15.7	21.9	H		E	N	1		3.90 F	
√ 15.3	22.9	H		E	N	1		3.73 4.12	
√ 16.6	6.6	A		E	N	1		4.22	
√ 16.2	8.4	K		K		10 3		3.08 3.42	5.28
√ 16.9	12.5	H		E	N	1		4.10 F	
√ 16.4	13.4	H		E	N	1		4.15 F	
√ 17.7	6.5	H		E	N	1		4.12 F	
√ 17.2	11.6	H		E	N	1		4.25 F	
√ 17.4	12.4	H		E	N	1		F (2) 4.12 (1)	
√ 17.1	13.2	H		E	N	1		4.15 F	
√ 17.2	13.7	H		E	N	1		4.00 F	
√ 17.4	16.7	H		E	N	1		3.90 F	
√ 17.3	18.1	H		E	N	1		3.95 F	

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1903phae.proj..006F

1875 C.P.D. 1875 1875

Approx.	Design.	R.A.	Dec.	Magn.	P.A. 1900	Dis. 1900	Vol.
4 40 -74°	6	-74° 298	4 39 53.0 -74°	5.2'	8.9 ✓		
3 49 -74	38	-74 276	3 49 11.0 -74	37.3	6.1 ✓	3 48.8 -74 33	50
3 45 -74	24	-74 271	3 45 11.0 -74	23.7	7.5 ✓		
3 37 -74	23	-74 268	3 37 46.0 -74	22.9	8.5 ✓		
3 30 -73	59	-73 221	3 29 24.2 -73	58.7	8.3 ✓		
3 29 -73	53	-73 220	3 28 40.5 -73	52.4	8.5 ✓		
3 16 -74	0	-74 248	3 16 58.0 -74	0.3	7.4 ✓		
3 4 -73	59	-74 201	3 5 51.5 -74	57.1	7.8 ✓		
3 51 -75	5	-75 251	3 50 27.0 -75	4.4	7.4 ✓		
3 20 -74	24	-74 250	3 20 6.0 -74	25.8	7.2 ✓		
3 13 -74	29	-74 245	3 12 51.0 -74	28.9	7.5 ✓		
3 11 -74	46	-74 242	3 11 20.0 -74	46.4	7.1 ✓		
5 4 -74	31	-74 312	5 4 25.0 -74	30.8	7.1 ✓		
3 39 -75	15	-75 244	3 39 49.0 -75	13.5	7.4 ✓		
3 31 -75	2	-75 236	3 31 52.0 -75	1.1	7.7 ✓		
3 22 -75	2	-75 231	3 22 53.8 -75	2.2	7.6 ✓		
3 12 -75	8	-75 225	3 12 43.0 -75	8.0	8.2 ✓		
3 6 -74	46	-74 239	3 5 51.0 -74	48.1	7.9 ✓		
5 12 -75	0	-74 318	5 12 24.0 -74	59.9	8.6 ✓		
4 58 -75	9	-75 290	4 58 48.0 -75	7.6	7.5 ✓	4 58.1 -75 5	50
4 27 -75	54	-75 268	4 27 42.5 -75	53.1	8.4 ✓		
4 19 -75	38	-75 265	4 19 33.5 -75	38.7	8.0 ✓		
5 16 -75	30	-75 300	5 16 8.0 -75	29.9	8.6 ✓		
4 35 -75	55	-75 274	4 35 45.0 -75	56.1	8.8 ✓		
4 28 -75	57	-75 269	4 28 20.0 -75	58.1	8.5 ✓		
4 23 -76	0	-76 269	4 22 39.0 -76	0.7	8.3 ✓		
4 18 -76	7	-76 265	4 18 7.0 -76	6.8	8.3 ✓		
3 54 -76	15	-76 251	3 53 [illegible] -76	15.8	8.5 ✓		
3 41 -76	10	-76 242	3 41 19.0 -76	9.8	8.6 ✓		

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1903phae.proj..898F

July 17, 1904

Plate B 33076

	Q.	H.	Cl.	Rem.	L.	N.	Int.	Bv.	Photom. Magn.	Diff.	
	√	17.8	20.8	H		E	9n	1	4.26 F		3
	√	18.0	21.4	951K		K	10	1	4.05 4.40		3
	√	17.2	24.3	K		K	10	3	2.86 3.18		2
	√	18.6	10.3	951K		K	10	2	3.67 3.90		4
	√	18.6	15.8	F 5759		K	10	2	3.73		4
	√	19.0	17.0	A		E	9n	1	3.73		3
Doubtful at 8.37	√	19.7	9.3	F 5760		K	10	1	3.77		5
	√	19.5	19.5	A		K	9n	2	3.23		3
	√	19.4	22.7	A		E	9n	1	4.18		3
	√	19.6	24.1	H		E	9n	1	4.28 F		2
	√	21.0	11.3	K		K	10	2	4.18 F	5.88	4
	√	21.0	12.8	H		K	10	2	3.22 3.55		4
	√	21.0	18.9	H		E	9n	1	4.05 F		3
	√	20.9	20.2	F 5761		D	10	3	2.83	5.53	3
	√	21.1	7.7	H		E	9n	1	4.11 F		5
	√	21.7	8.3	H		K	10	2	3.70 4.08		5
	√	22.9	9.3	H		E	9n	2	3.60 4.30	6.19	5
	√	23.0	10.1	A		E	9n	1	4.29		4
	√	23.0	12.3	A		E	9n	1	4.20		4
Doubtful at 22.8?	√	23.8	15.2	H		K	10	2	3.70 4.18		4
	√	23.9	17.6	H		E	9n	1	4.00 F		3
	√	22.4	17.8	K		K	10	2	3.61 4.03	6.08	3
8.40 P. M.	√	22.4	18.4	K		K	10	3	3.13 3.38	5.60	3

9.00 P. M.

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1875 G.P.D. 1875 1875

Approx.	Design.	G.C.	Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
3 20	-76° 15	-76	232 V 3 19	50.0 -76	15.0	8.5 ✓	
3 13	-76 18	-76	230 V 3 13	130 -76	16.6	7.8 ✓	
2 51	-75 35	-76	204 2 51	180 -76	34.5	6.5 ✓	
4 48	-76 32	-76	294 V 4 48	330 -76	31.7	8.1 ✓	
4 0	-76 52	-76	259 4 0	570 -76	51.7	7.9 ✓	
3 50	-77 7	-77	150 3 50	120 -77	5.8	7.7 ✓	
5 7	-76 48	-76	303 V 5 6	590 -76	47.5	7.6 ✓	correct if 8.3 intended.
3 27	-77 -12	-77	135 V 3 27	38.5 -77	10.7	6.9 ✓	
3 0	-76 48	-76	223 V 2 59	330 -76	49.5	8.0 ✓	
2 47	-76 42	-76	217 V 2 47	480 -76	42.9	8.0 ✓	
4 43	-77 54	-77	181 V 4 44	35 -77	53.4	7.0 ✓	4 42.9 -77 50 50
4 29	-77 58	-77	172 V 4 30	240 -77	57.5	7.5 ✓	
3 32	-78 3	-78	99 3 31	478 -78	2.4	7.8 ✓	
3 19	-77 51	-77	134 V 3 19	7.5 -77	50.6	5.8 ✓	3 18.4 -77 45 50
5 16	-77 20	-77	196 V 5 16	8.5 -77	21.4	8.4 ✓	
5 12	-77 43	-77	192 V 5 12	28.5 -77	42.4	7.5 ✓	
5 6	-78 32	-78	165 V 5 6	58.0 -78	28.2	7.6 ✓	5 5.6 -78 26 50
4 59	-78 36	-78	160 V 4 59	48.0 -78	35.5	7.4 ✓	
4 36	-78 54	-78	145 V 4 37	50.0 -78	53.2	7.3 ✓	
4 8	-79 0	-79	125 4 8	24.0 -79	58.0	7.7 ✓	correct if 22.8 intended
3 42	-79 30	-79	109 3 42	4.0 -79	30.0	7.7 ✓	
3 41	-78 45	-78	105 V 3 41	180 -78	43.5	7.7 ✓	3 40.3 -78 39 50
3 34	-78 45	-78	101 V 3 34	34.0 -78	46.1	6.2 ✓	3 33.6 -78 41 50

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1903phae.proj..898F

July 14, 1904

9.00 P.M. Plate B85.82

July 15, 1904
8.00 P.M.

V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√5.5	9.7	a		O	N	2	3.58			18
√4.8	17.4	a		ε	N	1	4.20			17
√4.1	18.7	a		ε	N	1	4.40			17
√4.4	18.8	a		γ	N	2	3.98			17
√5.9	14.5	a		i	N	3	3.09	6.97		18
√6.0	20.3	a		ε	N	2	3.53			17
√6.0	22.0	H		ε	N	1	4.00 F			17
√5.2	23.3	a		i	N	3	2.21	5.60		17
√5.2	23.6	G2K		K	10	2	3.52 3.72			17
√6.4	7.0	F	5762	γ	10	2	3.02			18
√6.4	10.4	H		ε	N	1	3.90 F			18
√6.5	17.3	H		ε	N	1	3.90 4.15			17
√6.6	18.6	a		ε	N	2	3.61			17
√6.6	24.7	K		K	10	2	3.21 3.50			16
√7.5	10.0	K			12	4	1.44 1.75	4.10		18
√7.3	11.2	H		ε	N	1	4.00 F			18
√7.6	12.1	a		ε	N	1	4.18			18
√7.6	15.3	F2G		K	10	2	3.64			17
√8.9	5.8	K		K	10	2	3.42 3.80			18
√8.5	7.4	a		ε	N	1	3.69			18
√8.9	10.5	a		ε	N	1	4.00			18
√8.1	11.6	a-F		γ	5	2	3.20			18
√8.1	12.4	H		ε	N	1	4.00 F			18
√8.1	12.7	H		ε	N	1	4.05 F			18
√8.9	17.4	F	5763	K	10	1	3.93			17
√8.8	19.2	~~F5R~~ F52		K	10	3	2.87	6.66		17
√8.8	20.1	a		ε	N	1	3.80			17
√9.3	7.2	a		ε	N	1	4.05			18
√9.2	7.6	a		i	N	3	2.80			18

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Applied 1875 C.P.D. 1875 1875

	Design.	R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
18h 28m	-70° 25	-70° 2576	18h 28m 23.0	-70°	24.5	7.3 ✓	
17 43	-70 7	-70 2445	17 43 7.0	-70	8.0	8.2 ✓	
17 36	-69 42	-69 2758	17 35 37.7	-69	41.6	7.9 ✓	
17 35	-69 53	-69 2755	17 34 39.0	-69	52.5	7.2 ✓	
18 0	-70 46	-70 2507	18 0 0.4	-70	46.3	6.7 ✓	18 2.9 -70 46 50
17 25	-70 38	-70 2397	17 24 48.0	-70	36.5	7.2 ✓	
17 15	-70 32	-70 2380	17 14 40.0	-70	31.1	8.0 ✓	
17 8	-70 0	-69 2719	17 8 10.5	-69	59.3	7.5 ✓	17 11.0 -70 1 50
17 6	69 54	-69 2715	17 6 20.5	-69	53.9	7.2 ✓	
18 45	-70 37	-70 2593	18 45 24.0	-70	37.2	6.7 ✓	
18 24	-70 54	-70 2570	18 24 46.7	-70	54.0	8.1 ✓	
17 43	-71 4	-71 2215	17 42 47.2	-71	3.7	8.2 ✓	
17 35	-71 3	-71 2173	17 34 37.5	-71	2.4	7.4 ✓	
16 58	-70 33	-70 2361	16 58 12.0	-70	33.3	7.4 ✓	
18 28	-71 32	-71 2353	18 28 25.0	-71	31.8	6.0 ✓	18 31.4 -71 31 50
18 20	-71 24	-71 2330	18 20 27.2	-71	24.3	8.2 ✓	
18 15	-71 36	-71 2314	18 15 0.2	-71	34.0	8.2 ✓	
17 55	-71 40	-71 2257	17 55 6.6	-71	39.0	7.9 ✓	
18 56	-71 45	-71 2366	18 55 39.0	-71	44.2	7.8 ✓	
18 45	-71 42	-71 2360	18 45 24.0	-71	41.5	7.8 ✓	
18 26	-72 12	-72 2288	18 25 59.0	-72	10.4	8.2 ✓	
18 18	-71 51	-71 2326	18 18 57.6	-71	50.9	7.5 ✓	
18 14	-71 50	-71 2309	18 13 47.7	-71	50.8	8.2 ✓	
18 11	-71 50	-71 2299	18 11 39.2	-71	50.6	8.2 ✓	
17 42	-72 17	-72 2125	17 41 15.8	-72	16.5	8.2 ✓	
17 29	-72 11	-72 2086	17 29 18.0	-72	9.2	6.7 ✓	17 32.3 -72 10 50
17 24	-72 3	-72 2079	17 23 52.0	-72	2.7	7.8 ✓	
18 48	-72 2	-72 2326	18 48 0.0	-72	1.9	8.4 ✓	
18 45	-72 6	-72 2323	18 45 12.0	-72	5.5	6.8 ✓	

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D.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
9.8	10.1	H		E	N	1		4.10 F		18
10.0	11.7	A		E	N	1		4.20		18
9.9	12.0	H		E	N	1		4.10 F		18
9.9	19.0	H		E	N	1		4.00 F		17
9.2	20.6	A		E	N	1		4.08		17
10.2	6.1	A		E	N	1		4.13		18
10.3	7.3	H		E	N	1		4.22 F		18
10.8	9.5	A		K	N	3		2.30	6.22	18
10.4	10.0	F	2 G		10	2		3.11		18
10.2	11.4	H		E	N	1		3.67 4.10		18
10.6	13.0	H		E	N	1		4.30 F		18
10.4	13.4	F	5764	K	10	1		3.79		18
10.2	15.0	H		E	N	1		4.10 F		17
10.1	16.1	A		E	N	2		3.75		17
10.5	18.4	F	5765	K	10	1		4.00		17
11.0	19.3	A		O	N	2		3.02		17
11.0	21.7	A		E	N	1		4.02		17
10.8	24.0	F	5766	K	10	1		3.86		16
11.5	12.8	H		E	N	1		4.08 F		18
11.5	13.3	F	5767	K	10	1		3.77		18
11.5	15.0	F	2 G		N	10	3	2.40	5.92	17
11.6	16.6	A		E	N	1		3.03		17
11.5	16.9	A		E	N	1		4.06		17
11.5	17.0	A		E	N	1		4.10		17
11.8	17.4	H		E	N	1		4.26 F		17
11.2	17.6	H		E	N	1		4.16 F		17
11.8	19.6	F	5768	K	10	2		3.90		17
11.4	21.8	F	5769	K	10	1		4.10		17
11.9	22.6	H		E	N	1		4.10 F		17

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1875 C.P.D. 1875 1875

Approx	Desig.	RA	Dec.	Magn.	P.A. 1900	Dec. 1900	Vol.
18h 38m -72°	33 -72	2298	18h 29m 58.5s -72°	34.2	8.8 ✓		
18 18 -72	46 -72	2262	18 18 49.5 -72	46.7	8.3 ✓		
18 17 -72	45 -72	2258	18 17 12.4 -72	45.8	8.2 ✓		
17 30 -72	43 -72	2087	17 29 42.5 -72	43.2	8.8 ✓		
17 21 -72	14 -72	2071	17 21 5.0 -72	12.8	7.8 ✓		
18 56 -72	22 -72	2338	18 55 55.0 -72	21.1	8.4 ✓		
18 49 -72	43 -72	2327	18 48 36.5 -72	33.4	8.4 ✓		
18 34 -73	7 -73	1939	18 34 18.5 -73	7.3	6.5 ✓	18 37.4 -73 6	50
18 31 -72	56 -73	2300	18 30 58.3 -72	55.7	7.5 ✓		
18 21 -72	54 -72	2271	18 21 21.5 -72	52.7	7.9 ✓		
18 11 -73	9 -73	1904	18 10 38.0 -73	8.4	8.7 ✓		
18 8 -73	3 -73	1900	18 7 36.0 -73	3.9	8.3 ✓		
17 56 -72	58 -72	2194	17 56 39.4 -72	58.4	8.2 ✓		
17 49 -72	56 -72	2166	17 49 20.6 -72	56.6	7.8 ✓		
17 34 -73	3 -73	1863	17 33 38.0 -73	4.2	8.4 ✓		
17 27 -73	18 -73	1852	17 26 46.5 -73	18.8	7.1 ✓		
17 11 -73	0 -73	1827	17 10 49.5 -73	1.6	8.4 ✓		
16 56 -72	42 -72	2032	16 55 55.0 -72	40.9	8.0 ✓		
18 13 -73	36 -73	1906	18 12 48.0 -73	35.7	8.7 ✓		
18 9 -73	36 -73	1903	18 9 13.0 -73	35.7	8.1 ✓		
17 56 -73	42 -73	1888	17 56 41.0 -73	40.6	6.7 ✓	17 59.9 -73 41	50
17 45 -73	42 -73	1872	17 45 18.0 -73	39.5	8.4 ✓		
17 44 -73	38 -73	1869	17 43 46.0 -73	37.8	8.5 ✓		
17 43 -73	38 -73	1868	17 43 11.0 -73	37.2	8.3 ✓		
17 40 -73	45 -73	1865	17 39 58.0 -73	44.1	8.8 ✓		
17 39 -73	28 -73	1864	17 39 10.0 -73	26.0	9.0 ✓		
17 24 -73	38 -73	1849	17 24 21.0 -73	37.6	8.2 ✓		
17 9 -73	13 -73	1823 (1824)	17 9 28.0 (42.0) -73	12.9 (14.1)	8.2 (9.4) ✓		
17 3 -73	22 -73	1816	17 3 26.0 -73	22.1	8.7 ✓		

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V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√ 12.9	7.8	A		ε	N	2	3.50			18
√ 12.2	9.3	A		θ	N	3	2.62			18
√ 12.2	9.5	A5F		ε	5	2	3.49			18
√ 12.3	12.3	K		K	12	3	2.63 3.00		5.86	18
√ 12.0	13.9	F5-G		K	10	1	4.03			18
√ 12.3	14.7	F2G		K	10	1	3.72			17
√ 12.9	14.9	A		ε	N	2	3.68			16
√ 12.9	15.1	A		ε	N	2	3.58			16
√ 12.2	16.0	A2F		η	3	2	3.20			17
√ 12.8	16.4	F	5770	K	10	1	3.71			17
√ 12.7	22.5	F	5771	K	10	1	4.10			17
√ 12.8	23.4	A		ε	N	1	3.93			16
√ 14.0	11.0	A		ε	N	2	3.72			18
√ 13.7	14.0	A		ε	N	1	4.01			18
√ 13.9	22.1	F	5772	K	10	2	3.51			17
√ 13.8	22.5	A		ι	N	3	2.18		6.41	17
√ 13.8	23.4	H		ε	N	1	4.30			16
√ 14.5	6.4	F5-G		K	10	1	4.00 F			19
√ 14.8	8.0	A		η	N	2	3.18			18
√ 14.8	9.8	A		θ	N	2	2.99			18
√ 14.3	13.8	A		χ	N	4	1.50		5.61	18
√ 14.5	15.4	A		η	N	2	2.90			17
√ 14.4	15.7	H		ε	N	1	3.70 3.95			17
√ 14.5	16.3	F	5773	K	10	1	3.87			17
√ 14.7	17.5	G		K	10	1	3.90			17
√ 14.2	17.7	G2K		K	10	1	4.00 4.20			17
√ 14.1	19.6	A2F		η	N	3	3.88			17
√ 14.7	21.3	A		ε	N	2	3.63			17
√ 15.2	6.3	A		ε	N	2	3.36			19

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Approx 1875	C.P.D. Design	1875 R.A.	1875 Dec.	Mag.	R.A. 1900	Dec. 1900	Vol.
18h 49m	-73° 58	-73 1977	18h 49m 29.4	-73°	57.2	8.0 ✓	
18 37	-73 45	-73 1950	18 37 29.5	-73	45.9	6.8 ✓	
18 36	-73 43	-73 1945	18 36 26.0	-73	44.4	7.8 ✓	
18 17	-74 2	-74 1682	18 16 50.5	-74	2.3	7.1 ✓	18 20.1 -74 1 50
18 5	-74 25	-74 1678	18 5 4.0	-74	24.8	8.3 ✓	
17 59	-74 4	-74 1673	17 59 5.0	-74	3.5	8.3 ✓	2 -74 1672 Superfast
16 57	-74 19	-74 1671	16 57 39.0	-74	19.7	8.2 ✓	
16 56	-74 17	-74 169	16 56 35.0	-74	17.9	7.8 ✓	
17 50	-74 0	-73 1881	17 49 58.0	-73	59.9	7.5 ✓	
17 47	-74 18	-74 1663	17 46 48.0	-74	17.7	8.7 ✓	
17 3	-73 45	-73 1813	17 2 49.0	-73	45.3	7.9 ✓	
16 56	-73 42	-73 1798	16 56 13.0	-73	42.6	8.2 ✓	
18 27	-74 47	-74 1695	18 27 27.2	-74	45.7	8.4 ✓	
		-74 1696	18 27 42.2	-74	57.0	9.0	
18 4	-74 43	-74 1677	18 4 36.0	-74	42.7	8.1 ✓	
17 4	-74 28	-74 1617	17 3 33.0	-74	27.5	7.6 ✓	
17 0	-74 24	-74 1610	17 0 26.0	-74	22.5	6.5 ✓	17 3.6 -74 25 50
16 55	-74 14	-74 1602	16 54 46.0	-74	13.9	8.8 ✓	
19 3	-74 33	-74 1762	19 1 52.7	-74	31.9	8.6 ✓	
18 50	-74 56	-74 1739	18 50 37.2	-74	56.0	7.8 ✓	
18 37	-75 6	-75 1436	18 37 6.2	-75	5.7	7.8 ✓	
18 6	-75 4	-75 1417	18 6 44.5	-75	5.4	6.4 ✓	18 10.2 -75 5 50
17 54	-75 12	-75 1409	17 53 38.5	-75	11.6	7.3 ✓	
17 52	-75 6	-75 1408	17 51 42.5	-75	6.3	8.8 ✓	
17 47	-75 6	-75 1405	17 46 49.0	-75	6.7	8.5 ✓	
17 37	-75 12	-75 1398	17 37 11.0	-75	11.3	8.5 ✓	
17 36	-74 57	-74 1659	17 36 19.0	-74	57.7	8.6 ✓	
17 21	-74 48	-74 1637	17 21 46.0	-74	49.2	7.2 ✓	
17 8	-74 54	-74 1622	17 8 8.0	-74	54.8	8.2 ✓	
19 5	-74 53	-74 1769	19 4 34.8	-74	52.6	8.0 ✓	

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V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.
15.7	9.3	K		K	10	3	3.11 3.45		
15.3	15.0	A		O	N	3	2.80		
15.8	15.4	K pec.		K	12	3	2.63 3.10	5.69	
15.5	16.4	A5 F		E	6	2	3.36		
15.7	18.8	A		E	N	1	3.92		
15.2	19.8	H		E	N	1	4.21 F		
15.3	21.5	G2 K		K	10	3	3.07 3.30		
15.7	23.0	F 5774		K	10	2	3.20		
15.1	23.2	H		E	N	1	4.00 F		
16.5	5.7	F 5775		K	10	2	3.50		
17.0	7.5	A2 F		N	1	3	2.57		
16.6	9.9	G		K	10	1	4.00		
16.5	11.2	G2 K		K	10	1	4.03 4.20		
16.4	17.0	K		K	10	3	2.70 3.10	6.11	
16.3	17.5	G5 K		K	10	2	3.35 3.60		
16.6	19.0	K		K	10	2	3.53 3.80		
16.5	20.9	A		E	N	1	4.00		
16.1	22.8	H		E	N	1	4.12 F		
16.6	22.9	H		E	N	1	4.10 F		
16.8	24.1	A		E	N	1	3.80		
18.0	8.5	K		K	10	2	3.40 3.73		
17.3	9.2	H		K	10	1	3.75 4.10		
17.5	12.2	F5 G		K	10	2	3.60		
17.7	13.3	H		E	N	1	4.12 F		
17.3	14.7	K		K	10	2	3.58 4.00		
17.5	15.0	F 5776		K	10	2	3.80		
17.6	17.8	H		E	N	1	4.40 F		
17.3	21.1	A		E	N	2	3.43		
17.5	21.9	A		E	N	1	3.80		

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1875 C.P.D. 1875 1875

Approx.	Design.		RA.	Dec.	Magn.	P.A. 1900	Dec. 1900	Vol.
18h 42m	-75° 3'	3-75°	1448	18h 42m 33.4s -75°	32.5'	8.4	✓	
17 56	-75 33	-75	1413	17 56 30.5 -75	33.8	7.3	✓	
17 54	-75 54	-75	1410	17 53 47.5 -75	53.4	7.8	✓	17 57.3 -75 53 50
17 45	-75 40	-75	1403	17 45 54.0 -75	40.3	8.2	✓	
17 26	-75 36	-75	1391	17 26 48.5 -75	36.4	8.5	✓	
17 19	-75 22	-75	1385	17 19 37.0 -75	20.1	9.1	✓	
17 5	-75 13	-75	1368	17 5 55.0 -75	12.0	8.0	✓	
16 54	-75 13	-75	1348	16 53 37.0 -75	12.1	8.1	✓	
16 53	-75 54	-75	1599	16 53 0 -75	53.3	8.5	✓	
19 12	-75 24	-75	1500	19 12 5.9 -75	24.7	8.0	✓	
19 0	-76 0	-76	1319	18 59 21.2 -76	0.2	7.2	✓	
18 39	-76 0	-75	1441	18 39 10.3 -75	59.7	8.6	✓	
18 28	-76 0	-76	1258	18 28 31.0 -76	0.1	8.7	✓	
		76	1259	18 28 37.1 -76	2.6	9.1		
17 40	-76 10	-76	1226	17 40 0.0 -76	8.7	8.0	✓	17 43.5 -76 10 50
17 33	-76 0	-76	1222	17 33 20.8 -76	0.1	8.3	✓	
17 32	-76 8	-76	1220	17 32 5.0 -76	8.5	8.6	✓	Correct if 18.0 intended
17 8	-75 53	-75	1371	17 7 53.0 -75	52.1	8.7	✓	
16 54	-75 24	-75	1349	16 54 5.0 -75	24.9	8.9	✓	
16 53	-75 38	-75	1347	16 52 56.0 -75	37.8	8.9	✓	
16 43	-75 32	-75	1336	16 42 41.0 -75	31.4	8.9	✓	
18 54	-76 34	-76	1308	18 53 12.8 -76	35.1	8.0	✓	
18 46	-76 15	-76	1293	18 46 4.3 -76	16.6	8.6	✓	
18 21	-76 36	-76	1243	18 20 57.2 -76	35.2	8.2	✓	
18 12	-76 45	-76	1240	18 12 3.0 -76	44.7	8.8	✓	
17 59	-76 36	-76	1234	17 59 11.0 -76	36.3	8.6	✓	
17 57	-76 42	-76	1232	17 57 17.0 -76	41.1	8.3	✓	
17 33	-76 38	-76	1221	17 33 7.5 -76	38.1	9.4	✓	
17 6	-76 13	-76	1204	17 5 32.0 -76	12.7	8.2	✓	
16 58	-76 11	-76	1198	16 58 36.0 -76	11.4	8.5	✓	

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V.	H.	bl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√17.4	23.0	A		η	10	3		2.49		16
√17.5	23.7	G		K	10	3		3.20		16
√18.7	6.7	A		ε	9	1		3.75		19
√18.8	10.8	A		ε	9	2		3.65		18
√19.0	11.8	H		ε	9	1		4.08 F		18
√18.9	13.6	K		K	10	2		3.12 3.49		18
√18.3	15.0	A		η	9	2		3.13		17
√18.8	15.3	A		ε	9	1		4.12		17
√18.8	18.4	A		ε	9	2		3.41		17
√18.9	20.9	H		ε	9	1		3.89 F		17
√18.9	23.0	F	5777	K	10	1		4.00		16
√18.1	24.0	A		ε	9	1		3.87		16
√19.5	8.5	A		ε	9	2		3.38		18
√19.7	16.8	G5	K	K	10	3		2.90 3.12		17
√20.0	28.2	A		ε	9	1		4.05		16
√20.9	9.1	H		ε	9	1		3.90 4.30		18
√20.2	11.7	G		K	10	3		2.78	6.33	18
√20.5	12.3	F5	G		10	3		2.82		18
√20.8	16.6	H		ε	9	1		3.70 4.20		17
√20.7	18.1	H		ε	9	1		4.07 F		17
√20.6	19.4	A		ε	9	2		3.90		17
√20.7	20.8	F	5778	K	10	1		3.98		17
√21.0	22.5	F	5779	K	10	2		3.38		16
√21.5	6.0	H		ε	9	1		4.10 F		19
√21.4	13.8	H		ε	9	1		3.98 F		18
√21.5	18.4	K		K	10	2		3.50 3.85		17
√21.4	21.2	F5	G	K	10	2		3.55		16
√21.6	21.4	A		ε	9	1		3.94		16
√23.3	9.6	F	5780	K	10	1		4.00		18

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1875 C.P.D. 1875 1875

Approx	Design.		R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.	
16h 56m	-76° 3'	-76	1194	16h 50m 3.0s	-76°	2.3	7.7	✓	
16 44	-76 0	-76	1186	16 43 45.5	-76	0.8	7.8	✓	
19 9	-76 36	-76	1331	19 9 1.1	-76	35.7	8.5	✓	
18 34	-77 12	-77	1321	18 34 43.5	-77	11.3	8.2	✓	
18 26	-77 22	-77	1308	18 25 50.6	-77	22.8	8.6	✓	
18 9	-77 24	-77	1298	18 9 46.0	-77	25.2	7.8	✓	
17 57	-77 6	-77	1289	17 57 2.0	-77	5.7	7.5	✓	
17 54	-77 19	-77	1286	17 53 43.5	-77	18.5	8.6	✓	
17 26	-77 17	-77	1263	17 26 14.0	-77	16.6	8.3	✓	
17 4	-77 3	-77	1245	17 3 33.5	-77	3.0	9.0	✓	
16 46	-76 44	-76	1188	16 46 30.0	-76	43.7	8.6	✓	
16 40	-76 12	-76	1182	16 40 11.0	-76	12.2	8.4	✓	
18 56	-77 15	-77	1347	18 56 14.4	-77	14.6	8.0	✓	
17 40	-77 48	-77	1277	17 40 4.0	-77	47.7	7.5	✓	
16 42	-77 17	-77	1232	16 41 58.0	-77	16.0	8.6	✓	
18 54	-78 3	-78	1217	18 54 11.2	-78	3.3	7.9	✓	
18 28	-77 59	-77	1314	18 28 35.0	-77	59.3	7.0	✓	18 32.5 -77 58 50
18 24	-78 11	-78	1180	18 23 33.0	-78	10.1	7.1	✓	
17 41	-78 22	-78	1152	17 41 13.0	-78	21.1	8.7	✓	
17 27	-78 12	-78	1144	17 26 44.0	-78	12.3	8.8	✓	
17 14	-78 2	-78	1133	17 14 35.0	-78	1.7	8.0	✓	
17 0	-77 56	-77	1244	17 0 37.0	-77	54.8	8.4	✓	
16 45	-77 53	-77	1235	16 44 39.0	-77	52.9	7.1	✓	
19 24	-77 52	-77	1370	19 23 35.5	-77	50.8	8.1	✓	
18 8	-78 38	-78	1168	18 8 50.0	-78	39.9	8.7	✓	
17 23	-78 37	-78	1142	17 23 16.0	-78	36.7	8.2	✓	
16 56	-78 15	-78	1126	16 55 47.0	-78	14.1	7.3	✓	
16 53	-78 18	-78	1124	16 52 50.0	-78	17.7	8.2	✓	
18 55	-79 12	-79	1004	18 55 6.5	-79	13.3	7.7	✓	

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July 14, 1904

Plate B 8582

	V.	H.	Tel.	Rem.	L.	K.	Int.	Bx.	Photom. Magn. Diff.
✓	23.3	10.9	F	5781	K	10	2		3.25
✓	23.0	11.6	A		E	2	1		3.90
✓	23.6	13.3	G5K		K	10	1		3.78 4.00
✓	22.7	14.2	K		K	10	2		3.61 4.05
✓	24.2	14.4	H		E	2	1		3.90 F
✓	22.6	20.3	F	5782	K	10	2		3.68
✓	23.5	23.9	H		E	2	1		3.72 4.10
10.00 P.M. ✓	24.6	15.0	H		E	2	1		3.72 3.95

8.50 P.M.

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1875	C.P.D.	1875	1875				
Approx	Design.	R.A.	Dec.	Mag.	R.A. 1900	Dec. 1900	
h m	° ′		°		h m s	°	
18 42	-79 22	-79	985	18	41 41.5	-79	22.3 7.4 ✓
18 33	-79 18	-79	969	18	33 1.0	-79	18.8 8.3 ✓
18 15	-79 42	-79	960	18	15 30.0	-79	42.6 8.4 ✓
18 6	-79 18	-79	955	18	5 53.0	-79	19.0 8.4 ✓
18 4	-79 58	-79	952	18	4 13.0	-79	58.4 9.0 ✓
17 1	-78 55	-78	1129	17	1 11.0	-78	55.0 7.5 ✓
16 23	-78 47	-78	1110	16	23 18.0	-78	46.0 8.0 ✓
17 58	-80 17	-80	847	17	57 45	-80	16.1 8.4 ✓

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July 15, 1904

9.50 P.M. Plate B 19420 9.35 P.M.

V.	H.	Tel.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√4.9	11.1	A		ε	N	1		4.35		18h
√5.2	13.7	A		χ	N	3		3.33	6.26	18
√4.6	16.5	H		ε	N	1		4.40 F		17
√5.1	18.8	A		ε	N	1		4.45		17
√4.6	20.7	H		K	10	1		4.15 4.38		17
√5.0	24.0	K		K	10	3		3.10 3.50	4.74	17
√6.6	11.7	A		ε	N	1		4.40		18
√6.1	15.1	H		ε	N	1		4.40 F		17
√6.1	19.6	F	5783	K	10	1		4.25		17
√6.9	20.2	A		ε	N	1		4.30		17
√7.5	5.6	F2		K	10	2		3.20	5.94	18
√7.1	10.4	K	5784	K	10	1		4.40		18
√7.6	12.2	A		ε η	N	2		4.18		18
√7.9	13.7	A		ε	N	2		4.23		18
√8.8	13.6	F	5785	K	10	1		4.40		18
√8.9	17.4	A		ε	N	1		4.40	8.70	17
√8.3	18.7	A		ε	N	1		4.40		17
√8.5	18.9	A		η	N	2		3.98	7.54	17
√9.6	5.6	A		ε	N	1		4.23		18
√8.2	7.9	A		ε	N	1		4.40		18
√8.2	8.8	A		ε	N	1		4.30		18
√8.7	9.6	A		ι	N	1		3.60		18
√10.0	14.5	A		χ	N	3		3.02	6.97	18
√9.1	16.9	A		ε	N	1		4.35		17
√9.2	16.8	A		ε	N	1		4.30		17
√9.4	23.3	A		λ	N	3		1.98	5.60	17
√9.3	23.7	G		K	10	2		3.64	6.61	17
Position not good √10.5	7.5	F	5786	η	10	3		3.23		18
√10.5	10.4	H		K	10	2		4.22 F		18

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1875 C.P.D. 1875 1875

Approx	Design.	G.C.	Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.
18h 18m	-68°	-68°	3134	18h 18m 17.3	-68°	1.9° 7.8 ✓	
18 4	-68 15	-68	3081	18 4 38.3	-68	15.8 6.6 ✓	18 7.3 -68 16 50
17 50	-67 51	-67	3434	17 49 40.1	-67	50.4 7.8 ✓	
17 37	-68 10	-68	2956	17 37 19.4	-68	8.9 8.3 ✓	
17 28	-68 48	-68	3343	17 27 33.5	-68	46.5 7.2 ✓	
17 9	-67 40	-67	3310	17 8 57.0	-67	38.1 6.6 ✓	17 11.5 -67 40 50
18 16	-68 56	-68	3121	18 15 54.8	-68	56.1 8.1 ✓	
17 40	-68 37	-68	2974	17 40 54.8	-68	37.1 8.2 ✓	
17 32	-68 35	-68	2936	17 32 15.0	-68	35.0 7.4 ✓	
17 29	-67 57	-68	2931	17 28 36.5	-68	56.7 7.4 ✓	
18 50	-68 56	-68	3180	18 50 7.5	-68	55.5 6.5 ✓	18 52.8 -68 54 50
18 23	-69 10	-69	2914	18 22 50.6	-69	10.2 7.9 ✓	
18 13	-69 25	-69	2886	18 13 16.0	-69	26.4 7.6 ✓	
18 5	-69 37	-69	2860	18 4 53.0	-69	38.0 7.7 ✓	
18 5	-70 9	-70	2527	18 5 44.0	-70	8.0 8.4 ✓	
		-70	2526	18 5 43.0	-70	9.0 9.0	
17 43	-70 8	-70	2445	17 43 7.0	-70	8.0 8.2 ✓	17 45.9 -70 9 54
17 35	-69 42	-69	2758	17 35 37.7	-69	41.6 7.9 ✓	
17 34	-69 53	-69	2755	17 34 39.0	-69	52.5 7.2 ✓	17 37.4 -69 53 54
18 52	-70 0	-70	2601	18 52 33.0	-70	0.5 7.7 ✓	
18 39	-70 3	-70	2587	18 39 1.5	-70	3.0 8.2 ✓	
18 33	-70 7	-70	2582	18 33 22.0	-70	6.4 8.2 ✓	
		-70	2583	18 33 32.0	-70	8.0 8.8	
18 28	-70 25	-70	2576	18 28 23.0	-70	24.5 7.3 ✓	
18 0	-70 45	-70	2507	18 0 0.4	-70	46.3 6.7 ✓	18 2.9 -70 46 50
17 51	-70 14	-70	2483	17 51 28.2	-70	13.5 8.2 ✓	
17 46	-70 18	-69	2458	17 46 18.0	-69	17.9 8.2 ✓	
17 8	-70 0	-70	2719	17 8 10.5	-70	59.3 5.7 ✓	17 11.0 -70 1 50
17 6	-69 54	-69	2715	17 6 20.5	-69	53.9 7.2 ✓	& 17 9.1 -69 56 50
18 46	-70 37	-70	2593	18 45 24.0	-70	37.2 6.7 ✓	correct if 7.0 intended
18 25	-70 54	-70	2570	18 24 48.7	-70	54.0 8.1 ✓	

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July 15, 1904

Plate B19420

V.	H.	Cl.	Rem.	L.	K.	Int.	Bx.	Photom. Magn.	Diff.	
√ 10.7	17.3	H		K	10	2	4.11 F, 4.40 F			17
√ 10.6	18.0	H		E	N	1				17
√ 10.8	18.7	A		Y	N	2	3.89			17
√ 10.1	20.4	A		Y	N	2	3.97			17
√ 10.3	22.1	H		K	10	1	4.18 F			17
√ 10.1	23.2	H		E	N	1	4.18 F		7.20	17
√ 10.9	24.7	K		K	10	2	3.49, 3.90		6.28	16
√ 11.5	7.9	H		E	N	1	4.40 F			18
√ 11.7	10.0	K			15	4	1.20, 2 1 3		4.10	18
√ 11.5	11.3	H		E	N	1	4.38 F			18
√ 11.7	12.1	F	5787	K	10	1	4.35			18
√ 11.7	15.3	F2G		K	10	2	4.18			17
√ 13.0	5.9	K		K	10	2	3.70, 4.05			18
√ 12.6	7.4	A		E	N	2	4.05			18
√ 13.0	10.6	A		E	N	1	4.40			18
√ 12.3	11.6	A5F		O	5	2	3.48			18
√ 12.2	12.4	H		E	N	1	4.38 F			18
√ 12.8	16.9	A		E	N	1	4.40			17
√ 12.4	17.5	F	5788	K	10	1	4.38			17
√ 13.0	19.3	F2G			10	3	3.31		6.66	17
√ 13.0	20.1	A		E	N	1	4.17			17
√ 13.4	7.2	A		E	N	1	4.40			18
√ 13.3	7.6	A		O	N	3	3.19			18
√ 13.9	10.1	H		E	N	1	4.40 F			18
√ 13.2	17.4	F	5789	K	10	1	4.12			1
√ 13.3	20.5	A		E	N	1	4.30			17
√ 14.3	6.1	A		E	N	1	4.40			18
√ 15.0	9.6	A		K	N	3	2.33		6.22	18
√ 14.6	9.9	F2G		K	10	2	3.25			18

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1875 C.P.D. 1875 1875

Approx	Design.	R.A.	Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.				
17h 43m	-71° 3	2215	17h 42m 47.2s	-71°	3.7	8.2	✓				
17 39	-70 58	2428	17 38 36.1	-70	58.0	8.3	✓				
17 35	-71 3	2273	17 34 37.5	-71	2.4	7.4	✓				
17 24	-70 37	2397	17 24 48.0	-70	36.5	7.2	✓				
17 15	-70 32	2380	17 14 40.0	-70	31.1	8.0	✓				
17 8	-70 18	2371	17 8 29.0	-70	18.3	8.2	✓	17	11.3	-70 20	54
16 58	-70 33	2361	16 58 12.0	-70	33.3	7.4	✓	17	1.0	-70 35	50
18 41	-71 13	2358	18 41 11.0	-71	12.8	8.6	✓				
18 28	-71 32	2353	18 28 25.0	-71	31.8	6.0	✓	18	31.4	-71 31	50
18 20	-71 25	2330	18 20 27.2	-71	24.3	8.2	✓				
18 15	-71 35	2314	18 15 0.2	-71	34.0	8.2	✓				
17 55	-71 40	2257	17 55 6.6	-71	30.0	7.9	✓				
18 56	-71 45	2366	18 55 39.0	-71	44.2	7.8	✓				
18 45	-71 42	2360	18 45 24.0	-71	41.5	7.8	✓				
18 25	-72 11	2282	18 25 59.0	-72	10.4	8.2	✓				
18 19	-71 51	2326	18 18 57.6	-71	50.9	7.5	✓				
18 14	-71 51	2309	18 13 47.7	-71	50.8	8.2	✓				
17 44	-72 8	2139	17 44 26.0	-72	9.2	8.2	✓				
17 41	-71 52	2201	17 40 55.2	-71	51.7	8.4	✓				Superposed? Yes!
		2200	17 40 38.2	-71	57.5	8.3					
17 29	-72 10	2086	17 29 18.0	-72	9.2	6.7	✓	17	32.3	-72 10	50
17 24	-72 3	2079	17 23 52.0	-72	2.7	7.8	✓				
18 48	-72 0	2326	18 48 0.0	-72	1.9	8.4	✓				
18 45	-72 6	2323	18 45 12.0	-72	5.5	6.8	✓				
18 30	-72 33	2298	18 29 58.5	-72	34.2	8.8	✓				
17 41	-72 17	2125	17 41 15.8	-72	16.5	8.2	✓				
17 21	-72 13	2071	17 21 5.0	-72	12.8	7.8	✓				
18 56	-72 22	2338	18 55 55.0	-72	21.1	8.4	✓				
18 34	-73 7	1939	18 34 18.5	-73	7.3	6.5	✓	18	37.4	-73 6	50
18 31	-72 57	2300	18 30 58.3	-72	55.7	7.5	✓				

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Plate B 19420

V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√	14.3	11.4	H		E	N	1	4.10 F		
√	14.6	13.4	F 5790	K	10	1		4.13		
√	14.3	15.0	H		E	N	1	4.30 F		
√	14.3	16.1	A		E	N	2	3.95		
√	14.8	15.4	A		E	N	1	4.35		
√	14.1	15.8	H		E	N	1	4.45 F		
√	14.1	19.0	H		E	N	1	4.40 F		
√	14.8	20.0	A		E	N	1	4.35		
√	14.7	24.6	G		K	10	1	4.20		
√	15.6	12.7	H		E	N	1	4.40 F		
√	15.6	13.2	F 5791	K	10	1		4.29		
√	15.7	15.0	~~F5 G F5 K~~		R	12	3	2.48	5.92	
√	15.8	16.6	A		E	N	1	4.45		
√	15.7	16.9	A		E	N	1	4.30		
√	15.3	19.3	A		Θ	N	2	3.43		
√	16.0	19.6	A		ε	N	1	4.27		
√	15.3	21.7	A		E	N	1	4.40		
√	15.1	23.9	F 5792	K	10	1		4.30		
	15.6	21.8	A		E	N	1	4.45		
√	17.0	7.7	A		ε	N	2	4.00		
√	16.4	9.3	A		R	N	3	3.11		
√	16.3	9.4	A		η	N	2	3.65		
√	16.5	12.2	F 5 K		K	10	3	2.70 3.17	5.86	
√	16.5	14.6	F 5793	K	10	1		4.11		
√	17.0	14.6	A		η	N	1	4.05		
√	17.0	15.0	A		ε	N	1	4.07		
√	16.4	15.9	A		Θ	N	2	3.58		
√	17.0	16.3	F 5794	K	10	1		4.22		
√	16.9	22.5	A		E	N	1	4.30		
√	17.0	23.4	A		ε	N	1	4.10		

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1875 C.P.D. 1875 1875

Approx	Design.	R.A.	Dec.	Mag.	R.A. 1900	Dec. 1900	Vol				
18h 22m	-72° 53	-72° 2271	18h 21m 21.5s	-72°	52.7'	7.9	✓				
18 8	-73 4	-73 1900	18 7 36.0	-73	3.9	8.3	✓				
17 56	-72 58	-72 2194	17 56 39.4	-72	58.4	8.2	✓				
17 49	-72 56	-72 2166	17 49 20.6	-72	56.6	7.8	✓				
17 34	-73 5	-73 1863	17 33 38.0	-73	4.2	8.4	✓				
17 31	-72 45	-72 2090	17 31 0.0	-72	45.4	8.9	✓				
17 30	-72 45	-72 2087	17 29 42.5	-72	43.2	8.8	✓				
17 23	-72 58	-72 2075	17 22 57.5	-72	57.9	8.5	✓				
16 52	-72 24	-72 2025	16 52 26.5	-72	23.5	8.4	✓				
18 13	-73 36	-73 1906	18 12 48.0	-73	35.7	8.7	✓				
18 9	-73 36	-73 1903	18 9 13.0	-73	35.7	8.1	✓				
17 56	-73 42	-73 1888	17 56 41.0	-73	40.6	6.7	✓	17	59.9	-73 41	50
17 45	-73 40	-73 1872	17 45 18.0	-73	39.5	8.4	✓				
17 43	-73 38	-73 1868	17 43 11.0	-73	37.2	8.3	✓	Mrs. F. said "this was the star near."			
17 27	-73 19	-73 1852	17 26 46.5	-73	18.8	7.1	✓				
17 24	-73 37	-73 1849	17 24 21.0	-73	37.6	8.2	✓				
17 11	-73 0	-73 1827	17 10 49.5	-73	1.6	8.4	✓				
16 56	-72 42	-72 2032	16 55 55.0	-72	40.9	8.0	✓				
17 9	-73 13	-73 1823	17 9 28.0	-73	12.9	8.2	✓				
18 49	-73 58	-73 1977	18 49 29.4	-73	57.2	8.0	✓				
18 37	-73 45	-73 1950	18 37 29.5	-73	45.9	6.8	✓				
18 36	-73 44	-73 1945	18 36 26.0	-73	44.4	7.8	✓				
18 17	-74 3	-74 1682	18 16 50.5	-74	2.3	7.1	✓	18	20.1	-74 1	50
17 59	-74 3	-74 1673	17 59 5.0	-74	3.5	8.3	✓				
17 57	-74 18	-74 1671	17 57 39.0	-74	19.7	8.2	✓				
17 56	-74 18	-74 1669	17 56 35.0	-74	17.9	7.8	✓				
17 50	-74 0	-74 1881	17 49 58.0	-74	59.9	7.5	✓				
17 46	-74 18	-74 1663	17 46 48.0	-74	17.7	8.7	✓				
17 3	-73 45	-73 1813	17 2 49.0	-73	45.3	7.9	✓				
16 56	-73 43	-73 1798	16 56 13.0	-73	42.6	8.2	✓				

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July 15, 1904.

Plate B 19420

	α.	δ.	Cl.	Rem.	L.	K.	Int.	Br.	Photom. Magn.	Diff.	
√	19.0	8.0	a		η	N	2		3.60		
√	19.0	9.8	a		Θ	N	2		3.43		
√	18.2	10.9	a		ε	N	2		4.18		
√	18.5	13.7	a		μ	N	4		1.69	5.61	
√	17.8	13.9	a		ε	N	1		4.45		
√	18.7	15.3	a		ν	N	2		3.40	7.63	
√	18.5	15.6	H		ε	N	1		4.19 F	6.93	
√	18.6	16.2	F	5795	K	10	1		4.40	8.48	
√	18.9	17.5	F	5796	K	10	1		4.45		
√	18.5	17.6	H		ε	N	1		4.40 F	8.13	
√	18.4	19.5	a		Θ	N	2		3.24	7.48	
√	19.0	21.2	a		ε	N	1		4.03	8.38	
√	18.2	22.0	F	5797	K	10	2		4.00		
√	18.1	22.5	a		Θ	N	3		2.72	6.41	
√	19.4	6.2	a		ξ	N	2		4.10		
√	20.0	9.2	H		K	10	2		3.95 4.40		
√	19.5	14.9	a		ν	N	2		3.41		
√	20.0	15.3	K		K	10	3		3.08 3.70	5.69	
√	19.8	16.3	a		ε	N	1		3.92		
√	19.9	18.7	F	5798	K	10	1		4.40		
√	19.5	19.6	H		ε	N	1		4.40 F		
~~2 dbl. not 21.4~~ √	19.5	22.4	F	2 S	K	10	2		3.60	6.98	
√	20.0	22.9	F	5799	K	10	2		4.00	7.38	
√	20.6	5.6	F	5800	K	10	2		3.82		
√	20.8	9.8	F	5801	K	10	1		4.45		
√	20.7	11.1	H		ε	N	1		4.43 F		
√	20.7	16.9	K		K	10	3		3.85 3.58	6.11	
√	20.5	17.8	H		K	10	2		3.95 4.30		
√	20.8	17.8	H		ε	N	1		4.20 F		

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1875 C.P.D. 1875 1875

Approx	Design.	RA.	Dec.	Mag.	RA. 1900	Dec. 1900	Vol
18h 50m - 74° 57'	-74° 1739	18h 50m 34.2	-74°	56.0	7.8 ✓		
18 37 - 75 6	-75 1436	18 37 6.2	-75	5.7	7.8 ✓		
18 28 - 74 45	-74 1695	18 27 27.2	-74	45.7	8.4 ✓		
18 7 - 75 6	-75 1447	18 6 44.5	-75	5.4	6.4 ✓	18 10.2 -75 5	50
18 4 - 74 42	-74 1677	18 4 36.0	-74	42.7	8.1 ✓		
17 53 - 75 12	-75 1409	17 53 38.5	-75	11.6	7.3 ✓	17 57.0 -75 12	54
17 52 - 75 6	-75 1408	17 51 42.5	-75	6.3	8.8 ✓	17 55.1 -75 6	54
17 46 - 75 6	-75 1405	17 46 49.0	-75	6.7	8.5 ✓	17 50.2 -75 7	54
17 37 - 75 12	-75 1398	17 37 11.0	-75	11.3	8.5 ✓		
17 36 - 74 58	-74 1659	17 36 19.0	-74	57.7	8.6 ✓	17 39.6 -74 59	54
17 21 - 74 50	-74 1637	17 21 46.0	-74	49.2	7.2 ✓	17 25.1 -74 50	54
17 8 - 74 56	-74 1622	17 8 8.0	-74	54.8	8.2 ✓	17 11.4 -74 57	54
17 3 - 74 28	-74 1617	17 3 33.0	-74	27.5	7.6 ✓		
17 0 - 74 22	-74 1610	17 0 26.0	-74	22.5	6.5 ✓	17 3.6 -74 25	50
19 5 - 74 53	-74 1768	19 4 34.8	-74	52.6	8.0 ✓		
	-74 1768	19 4 33.6	-74	59.9	9.0		
18 43 - 75 33	-75 1448	18 42 33.4	-75	32.5	8.4 ✓		
17 56 - 75 33	-75 1413	17 56 30.5	-75	33.8	7.3 ✓		
17 54 - 75 54	-75 1410	17 53 47.5	-75	53.4	7.8 ✓	17 57.3 -75 53	50
17 46 - 75 40	-75 1403	17 45 54.0	-75	40.3	8.2 ✓		
17 27 - 75 36	-75 1391	17 26 48.5	-75	36.4	8.5 ✓		
17 19 - 75 15	-75 1385	17 19 37.0	-75	20.1	9.1		
	-75 1386	17 19 43.0	-75	14.9	9.0		Which star is meant?
17 6 - 75 12	-75 1368	17 5 55.0	-75	12.0	8.0 ✓	17 9.3 -75 14	54 correct if 21.4 intended
16 54 - 75 13	-75 1348	16 53 37.0	-75	12.1	8.1 ✓	16 56.9 -75 14	54
19 12 - 75 26	-75 1500	19 12 5.9	-75	24.7	8.0 ✓		
18 39 - 76 0	-76 1441	18 39 10.3	-76	59.7	8.6 ✓		
18 28 - 76 0	-76 1258	18 28 31.0	-76	0.1	8.7 ✓		
17 40 - 76 10	-76 1226	17 40 0.0	-76	8.7	8.0 ✓	17 43.5 -76 10	50
17 33 - 76 0	-76 1222	17 33 20.8	-76	0.1	8.3 ✓		
17 32 - 76 9	-76 1220	17 32 5.0	-76	8.5	8.6 ✓		

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July 18, 1904

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	V.	H.	Cl.	Rem.	L.	K.	Int.	Br.	Photan Magn.	Diff	
√	20.8	20.9	F	5802	K	10	1		4.20		17
√	21.3	7.4	A		E	9	3		2.94		18
√	21.5	9.1	H		E	9	1		4.30 / F		18
√	21.7	12.1	F	5803	K	10	1		4.02		18
√	21.5	14.6	H		E	9	1		4.08 / F		17
√	21.8	14.8	A		E	9	1		4.30		17
√	21.5	21.0	A		E	9	2		4.05		17
√	21.7	22.9	A		η	9	3		3.16	6.97	16
√	21.9	23.6	F	5804	K	10	2		3.80	7.00	16
√	22.9	6.6	A		E	9	1		4.30		19
√	22.3	8.4	K		K	10	2		3.92 / 4.30		18
√	23.0	10.6	A		E	9	1		4.20		18
√	22.5	14.9	A		η	9	2		3.91		17
√	23.7	8.3	A		E	9	2		3.96		18
√	23.2	13.5	H		K	10	2		4.00 / 4.30		18
√	24.0	16.7	K		K	10	2		3.76 / 4.00	6.80	17
√	23.3	18.3	A		E	9	1		4.15		17
√	23.1	20.8	H		E	9	1		4.40 / F		17
9.35 P.M.	√	22.4	23.9	F	5805	K	10	1		4.35		16

10.00 P.M.

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1875 Approx	C.P.D. Design	1875 R.A.	1875 Dec.	Magn.	R.A. 1900	Dec. 1900	Vol.				
17h 8m	−75° 53′	−75°	1371	17h 7m 53.0s	−75°	52.1	8.7	✓			
18 59	−76 0	−76	1319	18 59 21.2	−76	0.2	7.2	✓			
18 46	−76 17	−76	1293	18 46 4.3	−76	16.6	8.6	✓			
18 21	−76 36	−76	1243	18 20 57.2	−76	35.2	8.2	✓			
17 59	−76 36	−76	1234	17 59 11.0	−76	36.3	8.6	✓			
17 57	−76 42	−76	1232	17 57 17.0	−76	41.1	8.3	✓			
17 5	−76 12	−76	1204	17 5 32.0	−76	12.7	8.2	✓	Do −76	1203	superposed?
16 50	−76 2	−76	1194	16 50 3.0	−76	2.3	7.7	✓	16 53.4	−76 4	54
16 44	−76 0	−76	1186	16 43 45.5	−76	0.8	7.8	✓	16 47.2	−76 4	54
19 9	−76 36	−76	1331	19 9 1.1	−76	35.7	8.5	✓			
18 53	−76 36	−76	1308	18 53 12.8	−76	35.1	8.0	✓			
18 34	−77 12	−77	1321	18 34 43.5	−77	11.3	8.2	✓			
17 57	−77 6	−77	1289	17 57 2.0	−77	5.7	7.5	✓			
18 56	−77 15	−77	1347	18 56 14.4	−77	14.6	8.0	✓			
18 10	−77 24	−77	1298	18 9 46.0	−77	25.2	7.8	✓			
17 40	−77 48	−77	1277	17 40 4.0	−77	47.7	7.5	✓	17 43.9	−77 49	54
17 26	−77 16	−77	1263	17 26 14.0	−77	16.6	8.3	✓			
17 3	−77 2	−77	1245	17 3 38.5	−77	3.0	9.0	✓			
16 40	−76 12	−76	1182	16 40 11.0	−76	12.2	8.4	✓			

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