

Collimator Focus

Camera Focus

Camera Tilt

Slit Focus

12.5 for stars
14.5 for moon

Date	Plate No.	No.	Star Name	Slit Width	Tel. E or W	Dist. from E or W	Focus Plate		Star Plate Temperature		Temperature	
							No.	Temp.	Start	Finish	Dome	O.G.
1926					W	30"	73136	74.69	74.73			
	7314		Nov. Arcturus	E					74.70	74.70	56.2	
	7314		Nov. Arcturus	E					74.80	74.87	55.0	vead
	7315								74.87	74.80		vead
	7316								74.78	74.76	53.4	gend
	7317											
	7318										53.2	gend
	7319								74.88	74.85	55.8	
	7320								74.8	74.80	56.5	
	7321											
	7322											
	7323											
	7324											
	7325											
	7326								69.98	69.98	56.0	
	7327											
	7328	13	S. Cete						69.90	69.85	55.0	
	7329	172	S. Cete	W					69.82	69.85	53.2	
	7330	13	S. Cete						69.90	69.90	53.0	
	7331								69.98	69.99	54.9	
	7332				E				69.99	70.00	54.8	
	7333		Nov. Arcturus	E					70.25	70.10	57.5	
	7334				E				69.68	69.60	50.0	
	7335	172	S. Cete	W					70.07	70.00	48.6	gend
	7336		Nov. Arcturus	E					69.96	69.92	47.6	
	7337				E				69.52	69.62	45.4	
	7338	172	S. Cete	W								

Kind of Plate	Sidereal Times of Exposure				Definition	Observer	Remarks
	Start	Finish	Mean	Duration			
						J.B.T.	Coil S.
	12.36.0			2 m.			
	12.53.0	12.58.0	11.55.30	5 m.	2.	J.B.T.	Through cloud towards end
	11.6.0	11.16.0	11.11.0	10	2	M	May = E Argus = 1.7
	11.27.0	11.57.0	11.42.0	30	2	M	
	12.12.0	12.22.0	12.17.0	10	2	M	
	12.32.0	12.37.0	12.34.20	5	2	M	
	12.45.0	13.10.0	12.57.30	25	2	M	traced in big gap
	11.0.15	11.40.15	11.20.15	40	2	M	May 6.30pm < S Argus
	11.2.15	11.57.38	11.57.38	13 1/4	2	M	
	12.45.20			49	2-3	M	flow passing towards end.
	21.6.30	21.6.30	21.6.30	60	2	at B.	Cloudy. O.G. light on. O.G. double check
	10.56.0	11.36.0	11.16.0	2 m.		J.B.T.	
	11.47.45	12.32.45	12.10.15	40	3-4.	J.B.T.	Hazy.
	12.0.0	12.55.30	12.27.45	45	3-4.	J.B.T.	May between S & E Argus say 2.2
	13.7.0	13.45.0	13.26.0	38	3	M	cloud passing at intervals.
	21.15.0	22.15.0	21.45.0	60	2	at B.	May = E Argus say 2.3 cloudy
	22.29.0	23.15.0	22.53.0	50	2	at B.	O.G. light on. light cloud.
	21.39.0	22.35.0	22.5.0	60	2-3	at B.	Obscured at times clouded
	22.46.0	23.36.0	23.11.0	50	2	at B.	O.G. light on. Sun at peak. shaking
	11.24.15	12.17.15	11.50.45	53	2-3	J.B.T.	light haze.
	12.31.35	13.16.35	12.54.5	45	2-3	J.B.T.	May = S Puppis = 2.8
	11.32.30	12.32.30	12.2.30	60	3	J.B.	Hazy. x & yellow in 18". Red envelope on star
	21.48.0	22.48.0	22.18.0	60	2	RC	not diffusing to haze esp 3.0 in 24"
	12.41.0	12.41.0	12.11.0	60	1-2	J.B.T.	O.G. light on. Hazy. cloud at end.
	12.56.0	13.16.0	13.6.0	20	1-2	J.B.T.	Brilliant red ring (H ₂) to out-of-focus star
	21.38.0	22.38.0	22.8.0	60	2	at B.	O.G. light on. Hazy
	22.50.0	23.40.0	23.15.0	50	2	at B.	"
	11.43.30	12.43.30	12.13.30	60	2	M	"
	13.14.30	14.14.30	13.44.30	60	2-3	M	"
	11.48.30	11.58.30	11.53.30	10	3	J.B.T.	"
	12.14.0	13.14.0	12.34.0	60	3	J.B.T.	Hazy at times
	21.26.0	22.26.0	21.56.0	60	2	at B.	O.G. light on. Hazy at times
	22.40.0	23.30.0	23.5.0	50	2	at B.	"
	12.4.0	13.4.0	12.24.0	60	2	at B.	"

Crowdsourcing History Citizen Science in the Archive

Auke Slotegraaf, Centre for Astronomical Heritage

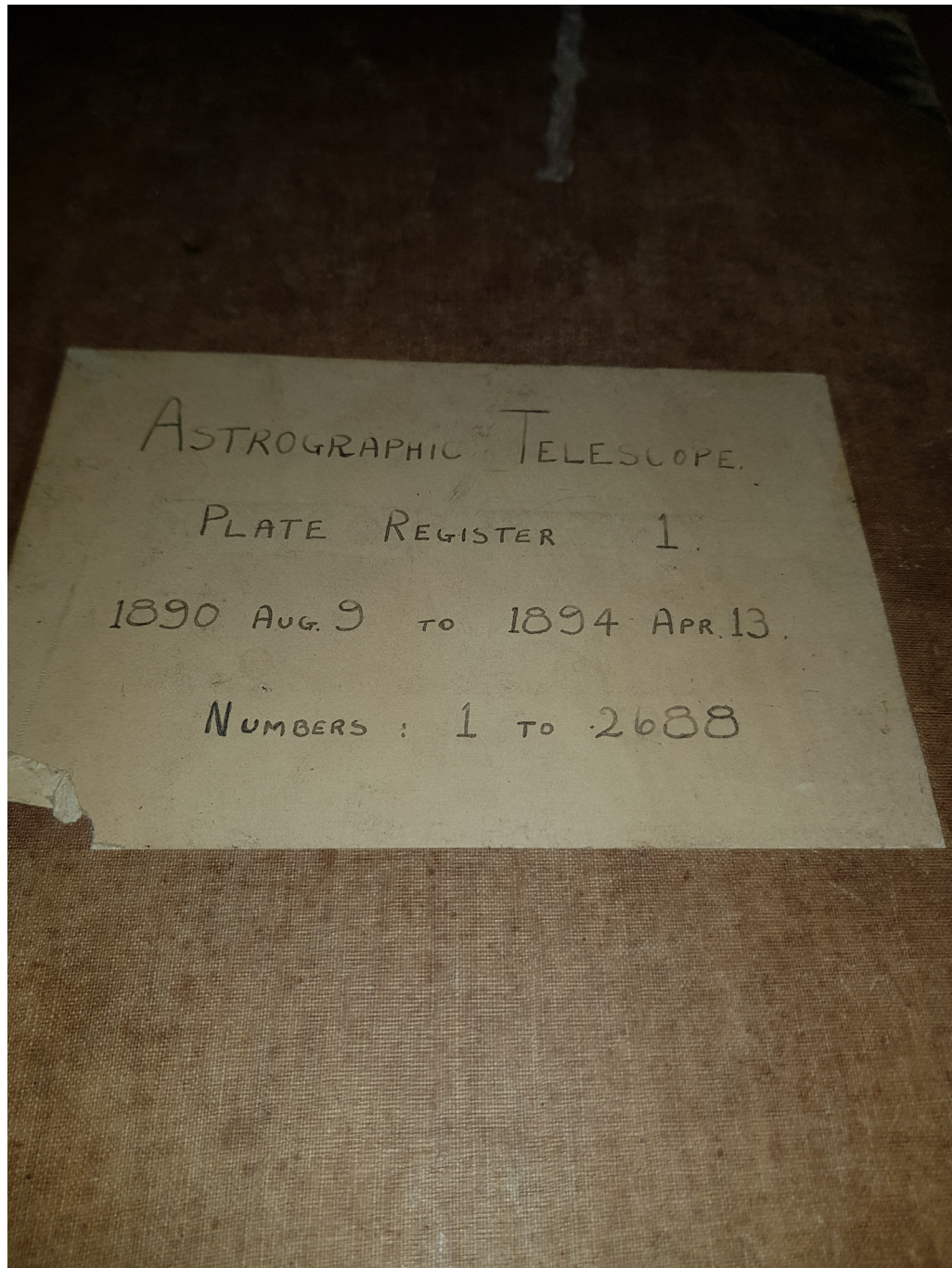


Amateur Astronomy in the Digital Data Age

ASSA Symposium 2018: March 09-11, SAAO, Cape Town, South Africa




CfAH



ASTROGRAPHIC TELESCOPE.

PLATE REGISTER 1.

1890 AUG. 9 TO 1894 APR. 13.

NUMBERS: 1 TO 2688

DIARY OF STELLAR PHOTOGRAPHS.

Rotation Number.	R.A. of Centre.	EXPOSURE				Clock Correction.	Hour Angle of Mean Exposure.	Duration of Exposure.	Bar. Ther. Tube Ther.	Hessm. Detn.	Box-Ledger Folio.	Remarks.
		Begun.		Ended.								
	h. m.	h. m. s.	h. m. s.	sec.	h. m.	h. m. s.						
7758	7 b -51	b 47 50 51 10 53 0	b 50 50 52 40 53 10				3 1 30 10		950			No.
7759	7 18 -51	b 56 50 7 0 10 2 0	b 59 50 7 11 40 2 10				3 1 30 10		2-3		Strong wind	No.
7760	9 18 -51	7 44 0 8 4 10 24 20	8 4 0 24 10 44 20				20 20 20		65.0			C/x
7761	9 30 -51	8 50 0 9 10 10 30 15	9 10 0 30 10 50 15				20 20 20		64.7		Def: very poor during last exp. Wind very boisterous throughout	C/x
7762	7 15 -47	b 11 30 44 0 7 5 0	b 31 30 +17 7 4 0 25 0				20 20 20		68.5		Clock driving very badly for 1st exp.	Rel.
7763	4 55 -43	5 19 40 23 10 25 0	5 22 40 +17 24 40 25 10				8 1 30 10 20				Def: very bad; High wind.	No x
											Clock driving very badly	No.

leze naar bovenstaand
nummer te refereren.

Landmeter Generaalskantoor
Pretoria 12 Mei 1892

Den Wel Ed. Heer D. Davill Gill
Koninklyke Sterrekundige
Kaapstad

Wel Ed. Heer

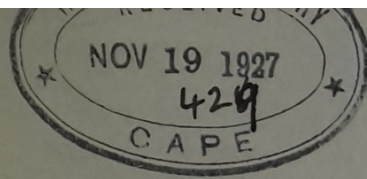
I have great pleasure in acknowledging the receipt of your esteemed letter of the 20 Aug. 1891 and must also express my regret that absence to Mapoch's Country has delayed my reply. I must most cordially thank you for the ready news you expressed to assist us, which assistance we highly prize.

I fully understand what you said regards the building of the construction on the ground but I take the liberty to point out to you that such could not be done at present and to facilitate and hasten the construction of an observatory the best would be to build on one of our Public Buildings.

The space formerly available is already taken up since the Public Buildings have since been completed. But at present another and more favourable opportunity offers itself with the construction of the High Court Buildings. On top the main entrance there will be a suitable place which will be on the second story about 40 feet above the street.

I enclose a ground plan showing the available space and since the elevation drawings are not yet completed I cannot send you a correct tracing of it, but from the above rough drawing the position for the observatory will be apparent.

Your obedient servant
G. Bron Willegts
Surveyor General



2 Fairview
Bloemfontein, S.A.
November 13, 1927

Royal Observatory
Capetown, S.A.

Gentlemen: -

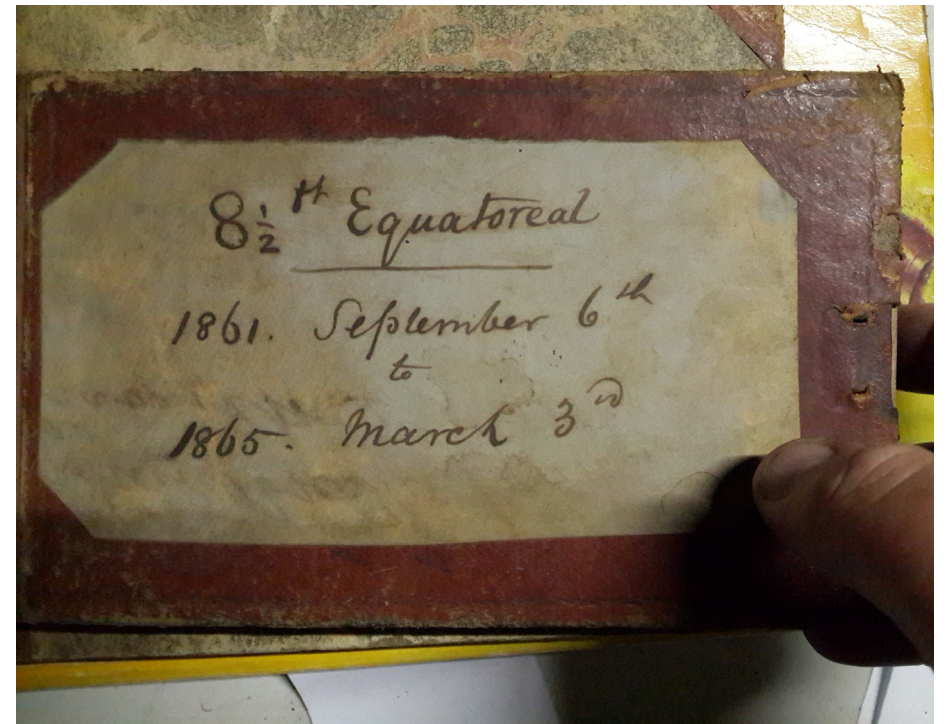
Mr. Donner, upon his arrival a couple of days ago, told me of his visit to your observatory and of the splendid reception which he enjoyed there. He also informs me that you expect an apology from me for not showing up at the observatory while I was in Capetown.

While I do not consider an apology due, perhaps an explanation is. It was through no fault of mine that I met none of the observatory staff, I can assure you.

Dr. Wellman has told you of my experience at Greenwich which as you know, is enough to discourage one with English observatories.

I understand that Mrs. Wellman called the observatory by telephone telling the secretary that I would like to visit you while in Capetown. Upon my return to the hotel about three in the afternoon of November first I found a message asking me to call the observatory. It was perhaps fifteen after three when I called. The person who answered the telephone knew nothing of any call having been left for me, had never heard of me, in fact. He showed no interest in the affair whatever and seemed anxious to terminate the conversation. He seemed surprised that I should wish to visit the observatory, and intimated that an appointment was necessary, without offering an opportunity to make such an appointment. Since I was booked to leave on the nine o'clock train for Bloemfontein, I knew that my time was limited and that if I were to visit the observatory I would have to do it at once. Therefore, I told the man with whom I talked that I would be out at once, no knowing that it was already long after office hours.

Taking the tram from Capetown, Mrs. Jessup and I arrived at the suburb of Observatory at about four-fifteen and after enquiring of a policeman and two or three pedestrians, got a vague notion of where to look for the Royal Observatory, of which most of them had never heard. At the end of twenty minutes walking we located the



of such a character as to give a
 very uniform movement without
 their communicating tremor to the
 instrument.

The pillar to be made up of
 very strong and rigid, composed
 of various sections bolted
 together with flanges. The
 horizontal adjustment to be
 from all one of these flanges.

The instrument to be capable
 for use at any date from
 0° to $\pm 55^\circ$

Instrument to be packed in cases
 convenient for transport.

The weight to be complete and to
 the satisfaction of the
 & the satisfaction of the
 & the satisfaction of the

Keep star may 8.7

a bright star
 as 4th mags +
 11 m W
 nebula - 1' in dia
 It is between
 two stars to the
 N of a line joining the

8 1/2

4 8 3 - 47° 35'

1

SUPPLIED
 FOR THE
 PUBLIC SERVICE

Por for 1875





Cont'd Standards 14/12/91

2.	12	51	68	38.5	39
	15	42	16	384	
	18	32	183	216	
	19	56	68	40.0	40.25
			I + <u>IV</u>		
24	40	65	4	4.5	4.2
26	43	40			40.5
28	15	105			295
29	16	105			295
31	5	94			305
32	50	94			305
33	40	65	14		14
35	13		14		14
			I + <u>III</u>		
39	31	66	5		5.5
41	21		6		6.5
42	27	95			305
46	1	95			305
		101			205



neb star mag 8.7

a bright star
is 4^{sec p} +

11 m w

nebula = 1' in dia

It is between

two stars to the
n of a line joining the



Pos for 1875

4 8 3 - 47° 3' 5"











Betty Jones
Parker & T. Davis
5 Grand Ave. W. 1878
St. Louis, Mo.
1910
First photo

WATER
TRAIL FOURTH
RIVER WITH BRIDGE
IN SWAMP
ON TRAIL NEAR
CHICKEN
POND
PINE LAWN & DEVILS
KID GARDEN
EYE OF GARDEN
LAWN
EYE OF PINE
EYE-SORE
POND

1. ...
2. ...
3. ...
4. ...
5. ...
6. ...
7. ...
8. ...
9. ...
10. ...
11. ...
12. ...
13. ...
14. ...
15. ...
16. ...
17. ...
18. ...
19. ...
20. ...
21. ...
22. ...
23. ...
24. ...
25. ...
26. ...
27. ...
28. ...
29. ...
30. ...
31. ...
32. ...
33. ...
34. ...
35. ...
36. ...
37. ...
38. ...
39. ...
40. ...
41. ...
42. ...
43. ...
44. ...
45. ...
46. ...
47. ...
48. ...
49. ...
50. ...

Collimator Focus _____

Camera Focus _____

Spectrograph

Date	Plate No.	No.	Star Name	Slit Width	Tel. E or W	Duration	Focus Plate		Star Plate Temperature		Temperature	
							No.	Temp.	Start	Finish	Dome	O.G.
1923					W	30"	73136	74.69	74.73			
9	7314		Novae Aetionis		E	30"			74.70	74.70	56.2	
9	7314		Novae Aetionis		E				74.80	74.87	55.0	vend
9	7315		"		"				74.87	74.80		vend
10	7316		"		"				74.78	74.76	53.4	gend
10	7317		"		"							"
10	7318		"		"						52.2	gend
10	7319		"		"			74.88	74.85	55.8		
12	7320		"		"			74.83	74.80	56.5		
12	7321		"		"			74.75	74.63	53.9		
12	7322		"		"			74.50	74.60	53.4		
13	7323	172	ε Gemin.		W.		73236	74.75				
13			Novae Aetionis		E				74.79	74.79	57.0	vend
13	7324		"		"				74.73	74.59	55.6	gend
13	7325		"		"				70.02	70.00	55.8	
17	7326		"		"				69.98	69.98	56.0	
17	7327		"		"				69.90	69.85	55.0	
18	7328	172	ε Gemin.		W.				69.80	69.95	55.2	
18	7329	173	δ Ceti		"				69.82	69.85	53.2	
20	7330	172	ε Gemin.		W.				69.90	69.90	53.0	
20	7331	173	δ Ceti		"				69.98	69.99	54.9	
20	7332		Novae		E				69.99	70.00	54.8	
20	7333		Novae Aetionis		E				70.25	70.10	57.5	
21	7334		"		E				69.68	69.60	50.0	
23	7335	172	ε Gemin.		W.				70.07	70.00	48.6	gend
24	7336		Novae		E				69.96	69.92	47.6	"
24	7337		Novae Aetionis		E				69.52	69.62	45.4	
25	7338	172	ε Gemin.		W.				69.70	69.70	44.4	
25	7339	173	δ Ceti		W.				70.11	70.09	53.1	vend
25	7340		"		E				70.14	70.13	57.8	
27	7344	172	ε Gemin.		W.				70.08	70.08	56.0	
27	7345	173	δ Ceti		W.				69.92	69.75	48.0	
27	7346		Novae		E				69.72	69.69	47.5	

Camera Tilt _____

Slit Focus _____

12.5 for stars
14.5 for nova

Kind of Plate	Sidereal Times of Exposure				Definition	Observer	Remarks
	Start	Finish	Mean	Duration			
				2 m.		J.B.T.	Coil S.
	12.36.0						
	12.53.0	12.58.0	11.55.30	5 m.	2.	J.B.T.	Through cloud towards end
	11.6.0	11.16.0	11.11.0	10	2	M	Mag = ε Argus = 1.7
	11.27.0	11.57.0	11.42.0	30	2	M	
	12.12.0	12.22.0	12.17.0	10	2	M	
	12.32.0	12.37.0	12.34.30	5	2	M	
	12.45.0	13.10.0	12.57.30	25	2	M	traced in big gap
	11.0.15	11.40.15	11.20.15	40	2	M	Mag 6.30pm < δ Argus
	11.51.0	12.4.10	11.57.38	13 1/4	2	M	
	12.21.0	13.10.0	12.45.20	49	2-3	M	flow passing towards end
	20.36.30	21.36.30	21.6.50	60	2	AB.	Cloudy. O.G. light on. O.G. shutter shake
				2 m.		J.B.T.	
	10.56.0	11.36.0	11.16.0	40	3-4.	J.B.T.	Hazy.
	11.47.45	12.32.45	12.10.15	45	3-4.	J.B.T.	Mag between δ & ε Argus
	12.0.0	12.55.30	12.27.45	55 1/2	3	M	cloud passing at intervals.
	13.7.0	13.45.0	13.26.0	38	3	M	Mag = ε Argus say 2.3 cloudy
	21.15.0	22.15.0	21.45.0	60	2	AB.	O.G. light on. light cloud.
	22.29.0	23.15.0	22.53.0	50	2	AB.	Obscured at times clouded
	21.39.0	22.35.0	22.5.0	60	2-3	AB.	O.G. light on. Wind pert. shaking
	22.46.0	23.36.0	23.11.0	50	2	AB.	light haze.
	11.24.15	12.17.15	11.50.45	53	2-3	J.B.T.	Mag = τ Puppis = 2.8
	12.31.35	13.16.35	12.54.5	45	2-3	J.B.T.	
	11.32.30	12.32.30	12.2.30	60	3	J.B.	Hazy. x & yellow in 18". Red envelope on star
	21.48.0	22.48.0	22.18.0	60	2	RC	Diff. diff. mag. to here esp 3.0 in 24"
	12.41.0	12.41.0	12.11.0	60	1-2	J.B.T.	O.G. light on. Hazy. cloud at end.
	12.56.0	13.16.0	13.6.0	20	1-2	J.B.T.	Brightest red ring (H ₂) to out-of-focus star
	21.38.0	22.38.0	22.8.0	60	2	AB.	O.G. light on. Hazy
	22.50.0	23.40.0	23.15.0	50	2	AB.	"
	11.43.30	12.43.30	12.13.30	60	2	M	"
	13.14.30	14.14.30	13.44.30	60	2-3	M	"
	11.48.30	11.58.30	11.53.30	10	3	J.B.T.	
	12.14.0	13.14.0	12.34.0	60	3	J.B.T.	Hazy at times
	21.26.0	22.26.0	21.56.0	60	2	AB.	O.G. light on. Hazy at times
	22.40.0	23.30.0	23.5.0	50	2	AB.	"
	12.4.0	13.4.0	12.24.0	6	1	AB.	"

Crowdsourcing History
Citizen Science in the Archive



CfAH