
SEPARATE RESULTS
OF
OBSERVATIONS
OF THE FIXED STARS
MADE WITH THE
MADRAS MERIDIAN CIRCLE
IN THE YEAR
1885

Separate Results of Madras Meridian Circle Observations in 1885.

Number and Date.	Magnitude.	Mean Right Ascension 1885.			No. of Wires.	Mean Polar Distance 1885.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1885.			No. of Wires.	Mean Polar Distance 1885.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
1 R. P. L. 10.																			
Jan. 1	...	0	51	56.17	8	1	35	38.5	M										
2 43 Andromedæ β																			
Jan. 1	...	1	3	17.68	...	54	59	20.9	M										
3 1 Tauri ο, Var. 5.																			
Jan. 1	...	3	18	37.50	...	81	22	35.3	M										
2	...	18	37.49	...	22	35.7	M												
5	...	18	37.60	...	22	35.5	R												
8	...	18	37.62	...	22	34.6	R												
14	...	18	37.56	...	22	35.2	R												
17	...	18	37.50	...	22	34.8	R												
20	...	18	37.56	...	22	36.5	R												
Dec. 28	...	18	37.53	...	22	36.8	R												
4 18 Eridani ε																			
Jan. 1	...	3	27	30.76	...	99	50	58.1	M										
2	...	27	30.74	...	50	55.1	M												
5	...	27	30.62	...	50	53.7	R												
8	...	27	30.62	...	50	52.7	R												
10	...	27	30.71	...	50	58.1	R												
14	...	27	30.67	...	50	53.6	R												
17	...	27	30.75	...	50	58.0	R												
20	...	27	30.73	...	50	58.6	R												
Dec. 28	...	27	30.75	...	50	54.6	R												
5 37 Tauri A. ¹																			
Jan. 2	...	3	57	53.79	...	68	14	0.7	M										
5	...	57	53.79	...	13	59.8	R												
8	...	57	53.77	...	13	59.6	R												
10	...	57	53.77	...	13	58.5	R												
14	...	57	53.78	...	13	59.6	R												
17	...	57	53.77	...	13	59.1	R												
23	...	57	53.81	...	14	0.9	R												
26	...	57	53.80	...	13	59.3	R												
29	...	57	53.78	...	13	59.6	R												
6 57 Eridani μ																			
Jan. 10	...	4	39	45.14	...	98	27	58.0	R										
20	...	39	45.12	...	27	59.4	R												
23	...	39	45.14	...	28	2.7	R												
26	...	39	45.11	...	27	58.7	R												
29	...	39	45.16	...	27	58.5	R												
31	...	39	45.13	...	27	59.5	R												
Feb. 3	...	39	45.29	...	27	59.1	M												
6	...	39	45.20	...	28	0.7	M												
9	...	39	45.15	...	27	58.4	M												
10	...	39	45.14	...	27	57.9	M												
7 R. P. L. 37.																			
Jan. 8	...	4	51	8.19	3	11	38.9	R											
14	...	51	8.48	3	11	39.1	R												
17	...	51	8.33	3	11	37.9	R												
20	...	51	8.41	3	11	39.1	R												
26	...	51	8.02	3	11	39.1	R												
29	...	51	8.30	3	11	37.9	R												
Feb. 6	...	51	8.41	3	11	39.4	M												
10	...	51	8.16	3	11	38.1	M												
14	...	51	8.76	3	11	38.2	M												
20	...	51	8.91	3	11	38.6	M												
8 34 Orionis δ, Var. 1.																			
Jan. 23	...	5	26	7.82	...	90	23	6.2	R										
29	...	26	7.83	...	23	4.9	R												
Feb. 3	...	26	7.81	...	23	6.3	M												
6	...	26	7.91	...	23	4.1	M												
9	...	26	7.91	...	23	5.6	M												
11	...	26	8.00	...	23	4.7	M												
12	...	26	7.84	...	23	5.6	M												
13	...	26	7.91	...	23	5.8	M												
14	...	26	7.91	...	23	4.9	M												
17	...	26	7.98	...	23	4.5	M												
9 46 Orionis ε																			
Jan. 26	...	5	30	22.61	...	91	16	35.3	R										
31	...	30	22.67	...	16	37.0	R												
Feb. 10	...	30	22.67	...	16	35.9	M												
11	...	30	22.61	...	16	37.0	M												

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"		
Feb. 12	...	5	30	22.70	...	91	16	37.2	M	13	<i>B. D + 28.1247.</i>									
14	...		30	22.65	...		16	35.8	M		Feb. 10	8.5	6	42	3.56	...	61	19	49.8	M
16	...		30	22.56	...		16	36.9	M		11	...		42	3.53	...		19	49.9	M
17	...		30	22.52	...		16	35.8	M		12	8.5		42	3.57	...		19	51.6	M
18	...		30	22.65	...		16	35.1	R		17	8.5		42	3.23	...		19	50.0	M
19	...		30	22.60	...		16	37.8	M		18	8.5		42	3.29	...		19	49.7	R
10										53 Orionis κ										
Jan. 31	...	5	42	18.09	...	99	42	42.1	R	14	<i>W. B. N. VI. 1239.</i>									
Feb. 3	...		42	18.02	...		42	42.8	M		Feb. 13	8.5	6	42	26.33	...	61	33	10.0	M
6	...		42	18.01	...		42	43.0	M		14	8.5		42	26.38	...		33	10.0	M
9	...		42	18.06	...		42	44.1	M		16	8.5		42	26.60	...		33	12.9	M
10	...		42	18.08	...		42	40.8	M		19	8.5		42	26.82	...		33	13.4	M
11	...		42	18.02	...		42	42.3	M		20	8.5		42	26.84	...		33	12.7	M
12	...		42	18.07	...		42	43.1	M											
13	...		42	18.00	...		42	42.7	M											
14	...		42	18.05	...		42	42.8	M											
16	...		42	18.21	...		42	48.9	M											
11										7 Geminorum η										
Feb. 13	...	6	7	56.21	...	67	27	41.7	M	15	51 Cephei (Hev.).									
16	...		7	56.11	...		27	41.4	M		Feb. 26	...	6	46	16.62	3	2	46	34.1	M
17	...		7	56.13	...		27	38.9	N		Mar. 3	...		46	16.21	3		46	32.9	R
18	...		7	56.14	...		27	38.3	R		6	...		46	16.87	3		46	35.0	R
19	...		7	56.13	...		27	37.2	M		12	...		46	16.62	3		46	32.6	R
20	...		7	56.10	...		27	38.3	M		20	...		46	15.85	3		46	32.0	M
23	...		7	56.12	...		27	36.4	M		23	...		46	16.28	3		46	32.9	R
26	...		7	56.17	...		27	36.4	M		26	...		46	15.89	3		46	32.4	R
28	...		7	56.13	...		27	36.5	N		28	...		46	16.54	3		46	34.5	R
Mar. 9	...		7	56.11	...		27	38.4	R		30	...		46	15.77	3		46	31.6	R
											Apl. 1	...		46	15.50	2		46	32.7	R
12											31 Geminorum ξ									
Feb. 23	...	6	38	50.12	...	76	58	54.6	M	16	14 Canis Majoris θ									
26	...		38	50.15	...		58	55.3	M		Feb. 18	...	6	48	50.77	...	101	53	42.4	R
28	...		38	50.12	...		58	53.4	M		19	...		48	50.82	...		53	43.2	M
Mar. 9	...		38	50.16	...		58	53.2	R		20	...		48	50.81	...		53	43.8	M
12	...		38	50.11	...		58	52.8	R		23	...		48	50.79	...		53	42.9	M
14	...		38	50.12	...		58	52.6	R		23	...		48	50.80	...		53	44.3	M
17	...		38	50.12	...		58	53.1	M		Mar. 9	...		48	50.78	...		53	43.2	R
20	...		38	50.05	...		58	53.1	M		14	...		48	50.78	...		53	41.5	R
23	...		38	50.18	...		58	52.7	R		17	...		48	50.72	...		53	43.3	M
26	...		38	50.17	...		58	52.3	R		23	...		48	50.85	...		53	43.6	R
											Apl. 1	...		48	50.76	..		53	42.4	R

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
17 <i>3 Canis Minoris β</i>									21 <i>65 Cancri α</i>										
Feb. 26	...	7	20	54.75	...	81	28	48.7	M	Apl. 17	...	8	36	37.74	...	68	7	7.9	M
Mar. 3	...	20	54.93	...	...	28	47.0	R	21	...	36	37.62	...	...	7	6.9	M
6	...	20	54.90	...	...	28	45.9	R	24	...	36	37.63	...	...	7	7.1	M
14	...	20	54.83	...	...	28	45.4	R	28	...	36	37.85	...	...	7	6.3	M
17	...	20	54.90	...	...	28	48.3	M	22 <i>14 Leonis ο</i>								
20	...	20	54.91	28	46.4	M	Apl. 11	...	8	52	11.79	...	77	41	52.1	M	
23	...	20	54.83	...	...	28	46.3	R	14	...	52	11.78	...	...	41	52.1	M
26	...	20	54.77	...	...	28	46.4	R	17	...	52	11.78	...	...	41	52.8	M
28	...	20	54.78	...	...	28	46.4	R	21	...	52	11.84	...	...	41	52.2	M
30	...	20	54.89	...	...	28	46.3	R	24	...	52	11.85	...	...	41	51.8	M
...	...	20	54.89	...	...	28	46.3	R	28	...	52	11.73	...	...	41	52.2	M
18 <i>ξ Argūs.</i>									23 <i>R. P. L. 72.</i>										
Mar. 3	...	7	44	27.42	...	114	34	17.9	R	Apl. 17	...	9	35	0.72	...	79	35	7.4	M
6	...	44	27.43	...	...	34	19.4	R	21	...	35	0.78	...	...	35	6.6	M
12	...	44	27.48	...	...	34	19.0	R	24	...	35	0.76	...	...	35	7.2	M
23	...	44	27.42	...	...	34	17.8	R	28	...	35	0.67	...	...	35	6.7	M
26	...	44	27.47	...	...	34	17.6	R	24 <i>42 Hydræ μ</i>								
28	...	44	27.47	34	18.2	R	May 1	...	10	20	31.69	...	106	14	57.9	R	
30	...	44	27.40	...	...	34	15.7	R	5	...	20	31.69	...	...	14	58.9	R
Apl. 1	...	44	27.46	...	...	34	18.3	R	7	...	20	31.70	...	...	14	57.8	R
3	...	44	27.60	...	...	34	17.8	R	9	...	20	31.71	...	...	14	55.9	R
8	...	44	27.53	...	...	34	19.6	M	11	...	20	31.69	...	...	14	58.1	R
19 <i>17 Cancri β</i>									<i>R. P. L. 72—s.p.</i>										
Mar. 3	...	8	10	16.65	...	80	27	38.5	R	Sep. 25	...	10	12	45.57	3	5	9	53.8	R
6	...	10	16.67	...	...	27	38.9	R	Oct. 7	...	12	46.70	3	...	9	54.6	M
12	...	16	16.69	...	...	27	39.2	R	24 <i>42 Hydræ μ</i>								
20	...	10	16.66	27	37.7	M	May 1	...	10	20	31.69	...	106	14	57.9	R	
30	...	10	16.69	...	...	27	38.2	R	5	...	20	31.69	...	...	14	58.9	R
Apl. 1	...	10	16.74	...	...	27	38.3	R	7	...	20	31.70	...	...	14	57.8	R
3	...	10	16.73	...	...	27	37.4	R	9	...	20	31.71	...	...	14	55.9	R
8	...	10	16.59	...	...	27	38.2	M	11	...	20	31.69	...	...	14	58.1	R
11	...	10	16.64	...	...	27	37.5	M	13	...	20	31.68	...	...	14	57.4	R
14	...	10	16.71	...	...	27	38.2	M	20 <i>43 Cancri γ</i>								
20 <i>43 Cancri γ</i>									Apl. 3	...	8	36	37.58	...	68	7	7.5	R	
Apl. 3	...	8	36	37.58	...	68	7	7.5	R	8	...	36	37.80	7	7.0	M	
8	...	36	37.80	7	7.0	M	11	...	36	37.78	7	7.9	M		
11	...	36	37.78	7	7.9	M	14	...	36	37.77	7	7.8	M		
14	...	36	37.77	7	7.8	M											

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May 15	...	10 20 31.60	...	106 14 57.6	R	29 7 <i>Corvi</i> δ^2					
18	...	20 31.66	...	14 57.8	R						
20	...	20 31.73	...	14 56.8	R						
22	...	20 31.69	...	14 56.9	R						
25 58 <i>Leonis</i> α .						May 25 ... 12 23 54.90 ... 105 52 29.8 R 28 ... 23 54.89 ... 52 31.0 R 30 ... 23 54.94 ... 52 29.9 R June 2 ... 23 54.90 ... 52 34.7 M 5 ... 23 54.94 ... 52 29.7 M					
May 1	...	10 54 37.29	...	85 45 55.0	R						
7	...	54 37.27	...	45 55.3	R						
9	...	54 37.28	...	45 53.5	R						
11	...	54 37.29	...	45 54.3	R	30 43 <i>Virginis</i> δ					
13	...	54 37.29	...	45 52.3	R						
15	...	54 37.28	...	45 55.1	R						
18	...	54 37.27	...	45 54.8	R						
20	...	54 37.28	...	45 54.3	R	31 <i>Anon.</i>					
22	...	54 37.28	...	45 55.2	R						
25	...	54 37.28	...	45 54.0	R						
May 5	8.7	13 57 30.50	...	90 4 23.7	R						
7	...	22 1.42	...	86 30 37.0	R	32 <i>Lalande</i> 25863.					
7	...	22 1.37	...	30 37.6	R						
11	...	22 1.36	...	30 36.1	R						
20	...	22 1.35	...	30 36.6	R						
28	...	22 1.41	...	30 38.0	R	May 7 9.0 13 59 21.46 ... 90 21 51.5 R 13 9.0 59 21.58 ... 21 51.6 R 18 9.0 59 21.48 ... 21 51.7 R 20 9.0 59 21.43 ... 21 51.7 R 25 9.0 59 21.40 ... 21 52.2 R					
30	...	22 1.40	...	30 36.7	R						
June 2	...	22 1.42	...	30 38.3	M						
5	...	22 1.39	...	30 38.3	M						
27 8 <i>Virginis</i> π						33 <i>R. P. L.</i> 110.— <i>s.p.</i>					
May 1	...	11 54 58.79	...	82 44 38.9	R						
5	...	54 58.78	...	44 38.5	R						
9	...	54 58.78	...	44 38.2	R						
13	...	54 58.80	...	44 39.1	R	Jan. 1 ... 14 52 29.66 3 3 34 31.7 M 8 ... 52 29.08 3 34 31.0 R 14 ... 52 29.47 3 34 31.9 R 17 ... 52 29.35 3 34 32.7 R 20 ... 52 29.34 3 34 32.3 R					
15	...	54 58.82	...	44 38.8	R						
18	...	54 58.84	...	44 38.7	R						
23	...	54 58.81	...	44 38.9	R						
25	...	54 58.83	...	44 38.0	R	34 35 <i>Ophiuchi</i> η					
28	...	54 58.83	...	44 38.9	R						
30	...	54 58.81	...	44 38.3	R						
May 22	...	12 13 27.52	3	2 55 27.3	R						
28 <i>R. P. L.</i> 92.						Aug. 5 ... 17 3 47.05 ... 105 34 51.8 R 7 ... 3 47.02 ... 34 51.2 R 15 ... 3 46.96 ... 34 53.4 R 17 ... 3 46.99 ... 34 51.8 R 20 ... 3 47.05 ... 34 51.7 R					
25	...	13 27.56	3	55 26.7	R						

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
35 <i>Anon.</i>										40 <i>58 Serpentis η</i>									
Aug. 5	7.5	17	16	57.58	...	126	21	1.2	R	Sep. 7	...	18	15	21.51	...	92	55	40.0	R
7	7.5		16	57.68	...		21	0.9	R										
15	7.5		16	57.92	...		21	0.3	R										
17	7.5		16	57.81	...		20	59.9	R										
20	7.5		16	57.56	...		21	1.1	R										
36 <i>Anon.</i>										41 <i>22 Sagittarii λ</i>									
Aug. 15	8.5	17	22	41.45	...	180	46	48.4	R	Sep. 7	...	18	20	52.32	...	115	29	1.3	R
17	8.5		22	41.45	...		46	47.6	R										
20	8.5		22	41.55	...		46	49.0	R										
37 <i>60 Ophiuchi β</i>										42 <i>13 Aquilæ ε</i>									
Aug. 5	...	17	37	47.37	...	85	23	3.2	R	Sep. 7	...	18	54	24.16	...	75	5	12.3	R
7	...		37	47.42	...		23	2.8	R										
15	...		37	47.41	...		23	2.1	R										
17	...		37	47.81	...		23	59.1	R										
20	...		37	47.34	...		23	0.4	R										
38 <i>72 Ophiuchi.</i>										43 <i>λ Ursæ Minoris.</i>									
Aug. 5	...	18	1	53.77	...	80	27	5.8	R	Sep. 25	...	19	38	53.66	8	1	2	40.1	R
7	...		1	53.77	...		27	4.4	R										
17	...		1	53.90	...		27	4.1	R										
20	...		1	53.82	...		27	5.2	R										
39 <i>23 Ursæ Minoris δ</i>										44 <i>53 Aquilæ α, Altair.</i>									
Aug. 17	...	18	9	24.50	3	3	23	19.6	R	Sep. 12	...	19	45	10.28	...	81	26	8.9	R
Sep. 7	...		9	24.74	3		23	22.1	R	15	...		45	10.29	...		26	8.8	R
45 <i>65 Aquilæ θ</i>										45 <i>23 Ursæ Minoris δ—s.p.</i>									
Sep. 12	...	20	5	22.25	...	9	9	41.3	R	Jan. 26	...	18	9	24.38	3	3	23	21.2	R
15	...		5	22.29	...		9	42.4	R	29	...		9	24.62	3		23	21.8	R
18	...		5	22.21	...		9	40.9	R	Feb. 6	...		9	24.72	3		23	22.2	M
25	...		5	22.23	...		9	41.8	R	10	...		9	24.18	3		23	22.5	M
29	...		5	22.28	...		9	41.8	R	14	...		9	25.07	3		23	23.2	M
Oct. 1	M		5	22.24	...		9	41.0	M	20	...		9	25.08	3		23	21.8	M
3	M		5	22.27	...		9	40.5	M	26	...		9	25.04	3		23	22.6	M
5	M		5	22.32	...		9	39.1	M	Mar. 3	...		9	24.47	3		23	23.8	R
7	M		5	22.29	...		9	42.9	M	6	...		9	25.30	3		23	20.9	R
9	M		5	22.23	...		9	42.7	M	12	...		9	24.95	3		23	24.0	R

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
46 <i>2 Delphini ε</i>										49 <i>48 Aquarii γ</i>									
Sep. 12	...	20	27	43.12	...	79	5	13.2	R	Oct. 16	...	22	15	42.88	...	91	58	0.0	M
15	...	27	48.06	...	...	5	12.8	R	19	...	15	42.89	...	...	57	58.4	M
18	...	27	43.11	...	...	5	11.7	R	21	...	15	42.96	...	...	58	0.1	M
25	...	27	43.11	...	...	5	13.0	R	23	...	15	43.03	...	...	58	1.3	M
29	...	27	43.12	5	12.4	R	50 <i>73 Aquarii λ</i>										
Oct. 1	...	27	43.15	5	11.5	M	Oct. 14	...	22	46	36.80	...	98	11	28.1	M	
3	...	27	43.07	...	...	5	10.3	M	21	...	46	36.84	...	...	11	28.8	M
5	...	27	43.01	...	...	5	11.8	M	23	...	46	36.71	...	...	11	29.0	M
7	...	27	43.08	5	12.1	M	51 <i>R. P. L. 155.</i>										
9	...	27	43.00	5	13.5	M	Oct. 7	...	23	24	19.45	3	4	12	50.4	M	
47 <i>2 Aquarii ε</i>										<i>R. P. L. 155.—s.p.</i>									
Sep. 18	...	20	41	26.99	...	99	54	56.4	R	Apl. 14	...	23	24	19.54	3	4	13	0.0	M
25	...	41	26.96	...	...	54	56.6	R	17	...	24	19.12	3	...	12	58.3	M
29	...	41	26.90	...	...	54	56.6	R	21	...	24	19.00	3	...	12	59.5	M
Oct. 3	...	41	26.96	...	...	54	57.2	M	24	...	24	18.82	3	...	12	57.6	M
5	...	41	26.98	...	...	54	58.0	M	28	...	24	19.11	3	...	12	58.1	M
7	...	41	26.98	...	...	54	56.8	M	May 1	...	24	19.51	3	...	12	57.8	R
9	...	41	27.08	...	...	54	57.5	M	9	...	24	19.07	3	...	12	58.7	R
14	...	41	27.10	...	...	54	57.9	M	13	...	24	18.87	3	...	12	55.2	R
16	...	41	27.06	...	...	54	56.1	M	22	...	24	18.40	3	...	12	56.2	R
19	...	41	27.05	...	...	54	55.8	M	25	...	24	18.68	3	...	12	58.4	R
48 <i>23 Capricorni θ</i>																			
Oct. 1	...	20	59	28.84	...	107	41	20.1	M										
14	...	59	28.72	41	21.2	M											
16	...	59	28.87	41	22.1	M											
19	...	59	28.85	41	18.4	M											
21	...	59	28.82	41	21.1	M											
23	...	59	28.86	41	22.1	M											