SEPARATE RESULTS

OF

OBSERVATIONS

OF THE FIXED STARS

MADE WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1884

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
1		8 *Ceti* ι			
Jan. 2	...	0 13 31·07	...	99 28 1·1	M
Nov. 14	...	13 30·93	...	28 1·6	R
15	...	13 30·98	...	28 1·9	R
17	...	13 30·96	...	28 2·0	R
22	...	13 30·94	...	28 0·4	R
29	...	13 31·05	...	28 1·7	R
Dec. 1	...	13 31·04	...	28 1·5	R
3	...	13 31·16	...	28 2·5	M
4	...	13 31·02	...	28 3·1	M
11	...	13 30·97	...	28 2·6	M
12	...	13 31·04	...	28 3·2	M
23	...	13 30·99	...	28 0·1	R
24	...	13 31·05	...	28 1·3	R
2		12 *Ceti.*			
Jan. 2	...	0 24 7·14	...	94 35 54·4	M
3	...	24 7·16	...	35 55·5	M
3		16 *Ceti* β			
Jan. 1	...	0 37 46·10	...	108 37 25·1	M
2	...	37 45·87	...	37 26·5	M
4		58 *Piscium.*			
Nov. 15	...	0 40 58·35	...	78 39 32·8	R
5		63 *Piscium* δ			
Jan. 2	...	0 42 39·68	...	83 2 47·6	M
3	...	42 39·72	...	2 48·0	M
5	...	42 39·91	...	2 47·2	M
6		*R. P. L.* 10.			
Jan. 3	...	0 51 41·18	2	1 35 54·6	M
Oct. 28	...	51 42·08	3	35 53·6	M
Nov. 17	...	51 44·22	3	35 55·0	R
18	...	51 43·31	3	35 56·6	R
26	...	51 40·13	3	35 53·3	R
29	...	51 41·05	3	35 55·2	R
Dec. 3	...	51 41·29	3	35 54·4	M
4	...	51 41·98	3	35 54·4	M
Dec. 11	...	0 51 42·18	2	1 35 54·5	M
12	...	51 41·56	3	35 55·1	M
23	...	51 41·40	3	35 54·5	R
26	...	51 42·05	3	35 52·7	R
27	...	51 41·33	3	35 54·3	R
29	...	51 42·22	3	35 54·5	M
31	...	51 41·98	3	35 54·4	M
		R. P. L. 10—*s.p.*			
Apl. 24	...	0 51 41·15	3	1 35 55·8	R
7		2 *Ursæ Minoris.*			
Jan. 2	...	0 53 5·22	3	4 21 55·9	M
8		*R. P. L.* 14—*s.p*			
Apl. 17	...	0 56 46·76	3	3 28 23·5	R
9		43 *Andromedæ* β, *Mirach.*			
Jan. 5	...	1 3 14·32	...	54 59 40·1	M
7	...	3 14·39	...	59 40·6	M
Nov. 15	...	3 14·28	...	59 41·1	R
17	...	3 14·22	...	59 41·5	R
18	...	3 14·20	...	59 43·2	R
26	...	3 14·31	...	59 40·3	R
29	...	3 14·24	...	59 40·5	R
Dec. 1	...	3 14·27	...	59 39·9	R
29	...	3 14·38	...	59 42·2	M
30	...	3 14·26	...	59 40·6	M
31	...	3 14·30	...	59 39·7	M
10		*R. P. L.* 18.			
Nov. 17	...	1 13 54·77	3	2 2 32·0	R
18	...	13 54·15	3	2 35·8	R
11		1 *Ursæ Minoris a, Polaris.*			
Jan. 8	...	1 16 13·52	3	1 18 35·5	M
9	...	16 13·39	3	18 33·6	M
Nov. 26	...	16 12·52	3	18 33·5	R

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
1 *Ursæ Minoris α, Polaris—s.p.*					
Apl. 22	...	1 16 13·04	3	1 18 36·2	R
24	...	16 13·62	3	18 38·6	R
25	...	16 12·01	3	18 37·6	R
12 99 *Piscium η*					
Jan. 1	...	1 25 16·45	...	75 15 8·9	M
13 *Lalande* 2806.					
Dec. 23	8·5	1 26 36·10	..	77 26 5·7	R
24	8·5	26 36·27	...	26 6·3	R
26	8·5	26 36·24	...	26 6·6	R
27	8·5	26 36·24	...	26 6·8	R
29	8·5	26 36·23	...	26 9·3	M
14 110 *Piscium o*					
Nov. 18	...	1 39 16·23	...	81 25 35·4	R
22	...	39 16·05	...	25 34·4	R
26	...	39 16·08	...	25 34·8	R
29	...	39 16·12	...	25 34·5	R
Dec. 1	...	39 16·11	...	25 33·7	R
3	...	39 16·12	...	25 35·7	M
4	...	39 16·12	...	25 36·3	M
11	...	39 16·06	...	25 36·7	M
12	...	39 16·03	...	25 36·2	M
23	...	39 16·10	...	25 33·7	R
15 8 *Arietis ι*					
Jan. 7	...	1 51 0·69	...	72 44 56·9	M
8	...	51 0·71	...	44 57·9	M
16 13 *Arietis α*					
Jan. 1	...	2 0 37·93	...	67 5 11·7	M
2	...	0 38·10	...	5 18·3	M
17 67 *Ceti.*					
Jan. 1	...	2 11 11·88	...	96 57 26·9	M
2	...	11 11·86	...	57 25·9	M
3	...	11 11·83	...	57 26·3	M
5	...	11 11·81	...	57 27·4	M
18 *R. P. L.* 26.					
Jan. 2	...	2 27 44·64	3	3 27 32·5	M
19 43 *Arietis σ*					
Jan. 5	...	2 45 5·34	...	75 23 45·9	M
7	...	45 5·29	...	23 47·5	M
8	...	45 5·41	...	23 46·7	M
Nov. 18	...	45 5·28	...	23 46·8	R
22	...	45 5·37	...	23 45·7	R
26	...	45 5·31	...	23 45·7	R
Dec. 3	...	45 5·21	...	23 46·3	M
4	...	45 5·26	...	23 45·9	M
11	...	45 5·32	...	23 46·1	M
12	...	45 5·26	...	23 47·3	M
23	...	45 5·27	...	23 47·0	R
24	...	45 5·26	...	23 45·4	R
26	...	45 5·25	...	23 47·1	R
20 *Stone* 1223.					
Jan. 2	...	2 52 29·74	...	154 28 29·6	M
8	...	52 29·79	...	28 30·9	M
21 92 *Ceti α, Menkar.*					
Jan. 9	...	2 56 12·98	...	86 21 59·3	M
10	...	56 12·98	...	21 59·6	M
22 57 *Arietis δ*					
Jan. 5	...	3 4 59·71	...	70 42 45·8	M
10	...	4 59·80	...	42 45·6	M
21	...	4 59·86	...	42 46·9	M
22	...	4 59·79	...	42 46·7	M
23	...	4 59·78	...	42 46·5	M
24	...	4 59·68	...	42 46·5	M
Dec. 3	...	4 59·64	...	42 47·2	M
4	...	4 59·69	...	42 48·3	M
23 *R. P. L.* 33.—*s.p.*					
June 21	...	3 5 1·34	2	5 30 11·9	M

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
24	1 *Tauri o, Var.* 5.				
Jan. 2	...	3 18 34·23	...	81 22 48·8	M
7	...	18 34·33	...	22 40·5	M
9	...	18 34·28	...	22 49·8	M
21	...	18 34·13	...	22 49·6	M
22	...	18 34·29	5	22 47·4	M
23	...	18 34·36	1	22 48·0	M
25	*R. P. L.* 34—*s.p.*				
June 20	...	3 28 39·17	3	3 43 19·7	M
24	...	28 38·72	3	43 18·0	R
28	...	28 40·53	3	43 17·3	R
26	25 *Tauri η, Alcyone.*				
Jan. 2	...	3 40 35·36	...	66 15 19·2	M
5	...	40 35·29	...	15 18·5	M
27	34 *Eridani* γ^1				
Jan. 7	...	3 52 36·98	...	103 50 23·5	M
8	...	52 37·12	...	50 23·3	M
9	...	52 37·05	...	50 24·1	M
10	...	52 36·91	...	50 23·5	M
21	...	52 37·11	...	50 21·3	M
22	...	52 36·96	...	50 23·0	M
28	*R. P. L.* 35.				
Jan. 7	...	4 0 29·79	3	4 45 6·5	M
9	...	0 31·11	3	45 10·1	M
21	...	0 31·88	3	45 6·6	M
22	...	0 30·43	3	45 8·6	M
29	74 *Tauri ε*				
Jan. 7	...	4 21 50·62	...	71 4 39·7	M
8	...	21 50·42	...	4 42·0	M
9	...	21 50·46	...	4 41·0	M
30	87 *Tauri a, Aldebaran.*				
Jan. 7	...	4 29 15·73	...	73 43 28·9	M
9	...	29 15·79	...	43 29·3	M
21	...	29 15·83	...	43 30·8	M

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
31	19 *Orionis β, Rigel.*				
Jan. 9	...	5 8 57·81	...	98 20 13·8	M
32	112 *Tauri β*				
Jan. 8	...	5 18 57·45	...	61 29 34·1	M
33	*R. P. L.* 40.				
Jan. 9	...	5 24 55·15	3	4 51 57·1	M
21	...	24 56·66	3	51 56·5	M
22	...	24 55·66	3	51 55·9	M
34	34 *Orionis δ, Var.* 1.				
Jan. 24	...	5 26 4·84	...	90 23 5·4	M
28	...	26 4·88	...	23 8·9	M
35	*R. P. L.* 41.				
Jan. 23	...	5 29 32·98	3	4 44 55·9	M
36	46 *Orionis ε*				
Jan. 24	...	5 30 19·76	...	91 16 38·9	M
37	58 *Orionis a, Var.* 2, *Betelgeux.*				
Jan. 21	...	5 48 53·49	...	82 36 58·5	M
22	...	48 53·46	...	36 57·3	M
23	...	48 53·42	...	36 57·2	M
24	...	48 53·37	...	36 57·2	M
28	...	48 53·39	...	36 58·4	M
30	...	48 53·47	...	36 56·7	M
31	...	48 53·42	...	36 56·8	M
Feb. 2	...	48 53·66	...	36 56·5	R
5	...	48 53·54	...	36 56·5	R
38	*R. P. L.* 43.				
Jan. 21	...	6 0 56·40	3	3 14 15·9	M

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Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
		R. P. L. 43 *s.p.*			
June 21	...	6 0 54·75	3	3 14 16·9	M
July 18	...	0 55·39	3	14 19·9	M
39		13 *Geminorum* μ			
Jan. 30	...	6 15 56·51	...	67 25 42·8	M
40		*Anon.*			
Jan. 22	8·0	6 36 52·07	4	130 22 0·1	M
41		51 *Cephei* (*Hev.*).			
Jan. 21	...	6 45 47·62	3	2 46 28·6	M
23	...	45 46·58	3	46 28·3	M
24	...	45 47·16	3	46 28·5	M
26	...	45 46·91	3	46 29·8	M
		51 *Cephei* (*Hev.*) *s.p.*			
Aug. 7	...	6 45 46·47	3	2 46 33·4	R
13	...	45 46·46	3	46 32·5	R
19	...	45 46·46	3	46 27·0	R
20	...	45 45·95	2	46 31·4	R
42		*Anon.*			
Jan. 30	10·0	6 52 58·09	6	152 55 52·5	M
43		21 *Canis Majoris* ϵ			
Jan. 28	...	6 54 4·01	...	118 48 53·4	M
44		23 *Canis Majoris* γ			
Jan. 22	...	6 58 30·73	...	105 27 44·5	M
45		*Anon.*			
Jan. 24	9·0	7 1 47·71	...	60 51 51·2	M
46		10 *Canis Minoris a, Procyon.*			
Jan. 30	...	7 33 13·74	...	84 28 42·5	M
47		*R. P. L.* 45—*s.p.*			
Sep. 13	...	7 39 55·27	3	1 1 32·9	R
16	...	39 54·36	3	1 34·6	M
Oct. 3	...	39 55·84	3	1 32·8	M
6	...	39 53·74	3	1 31·8	M
7	...	39 52·74	2	1 32·0	M
8	...	39 53·74	3	1 33·3	M
9	...	39 54·11	3	1 33·7	M
10	...	39 54·63	3	1 32·8	M
48		ξ *Argûs.*			
Jan. 31	...	7 44 25·03	...	114 34 8·3	M
Feb. 2	...	44 24·89	...	34 9·6	R
5	...	44 24·89	...	34 8·7	R
7	...	44 24·82	...	34 7·0	R
13	...	44 24·80	...	34 8·6	R
16	...	44 24·82	...	34 9·5	R
19	...	44 24·92	...	34 9·1	R
22	...	44 24·80	...	34 8·8	R
26	...	44 24·70	...	34 8·4	R
29	...	44 24·72	...	34 8·3	R
49		*R. P. L.* 48—*s.p.*			
Sep. 10	...	7 47 5·92	3	3 58 16·4	R
11	...	47 5·41	3	58 15·9	R
24	...	47 5·80	3	58 15·4	M
Oct. 4	...	47 5·94	3	58 15·1	M
50		*R. P. L.* 49.			
Jan. 30	...	7 49 0·68	3	5 36 38·9	M
31	...	49 0·52	3	36 38·7	M
		R. P. L. 49—*s.p.*			
Aug. 18	...	7 48 59·77	3	5 36 35·9	R
Oct. 11	...	49 0·99	3	36 41·7	M
13	...	49 0·91	3	36 42·9	M
51		15 *Argûs* ρ			
Jan. 31	...	8 2 36·18	...	113 58 14·3	M
Feb. 2	...	2 36·08	...	58 14·2	R
5	...	2 36·16	...	58 13·4	R

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
Feb. 7	...	8 2 36·10	...	113 58 12·7	R
9	...	2 36·15	...	58 12·3	R
13	...	2 36·15	...	58 13·7	R
16	...	2 36·19	...	58 13·4	R
19	...	2 36·11	...	58 13·8	R
22	...	2 36·10	...	58 14·0	R
52	*R. P. L.* 53—*s.p.*				
Sep. 10	...	8 20 54·38	3	4 32 26·5	R
24	...	20 55·95	3	32 25·6	M
53	33 *Cancri* η				
Feb. 5	...	8 26 0·03	...	69 9 55·5	R
7	...	26 0·14	...	9 55·3	R
54	*R. P. L.* 55—*s.p.*				
Oct. 2	...	8 31 44·57	3	5 41 4·5	M
3	...	31 45·98	3	41 2·9	M
55	11 *Hydræ* ϵ				
Feb. 7	...	8 40 37·96	...	83 9 21·2	R
9	...	40 37·95	...	9 22·4	R
56	*R. P. L.* 60.				
Feb. 2	...	8 50 57·75	3	5 21 21·7	R
5	...	50 57·72	3	21 23·2	R
	R. P L. 60—*s.p.*				
Sep. 10	...	8 50 57·40	3	5 21 22·8	R
24	...	50 57·17	3	21 24·4	M
Oct. 3	...	50 57·70	3	21 20·6	M
57	65 *Cancri a*				
Feb. 9	...	8 52 8·54	...	77 41 38·1	R
58	*Anon.*				
Feb. 7	9·0	8 54 40·51	...	132 59 53·3	R

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
59	76 *Cancri* κ				
Feb. 9	...	9 1 27·81	...	78 51 57·0	R
60	83 *Cancri.*				
Feb. 13	...	9 12 30·47	...	71 48 10·2	R
16	...	12 30·46	...	48 11·7	R
61	*R. P. L.* 62—*s.p.*				
Oct. 1	...	9 21 48·35	3	2 21 41·0	M
3	...	21 49·26	3	21 47·1	M
4	...	21 48·82	3	21 46·1	M
8	...	21 48·19	3	21 47·0	M
62	30 *Hydræ a, Var.* 2.				
Sep. 13	...	9 21 53·17	...	98 9 22·7	R
19	...	21 53·33	...	9 22·0	R
63	2 *Leonis* ω				
Feb. 9	...	9 22 14·70	...	80 26 16·3	R
64	*Lacaille* 3980.				
Feb. 7	9·0	9 35 5·72	...	148 39 5·2	R
65	*R. P. L.* 69—*s.p.*				
Oct. 1	...	9 39 8·47	3	2 52 12·1	M
6	...	39 10·78	3	52 12·0	M
66	17 *Leonis* ϵ				
Feb. 22	...	9 39 16·20	...	65 41 32·4	R
26	...	39 16·08	...	41 32·1	R
67	*R. P. L.* 70.				
Feb. 7	...	9 49 50·02	3	5 31 24·3	R
9	...	49 49·98	3	31 25·2	R
13	...	49 49·59	3	31 23·0	R
16	...	49 49·76	3	31 23·2	R

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		R. P. L. 70.—*s.p.*			
Sep. 24	...	9 49 50·82	3	5 31 27·2	M
68		32 *Leonis a, Regulus.*			
Feb. 26	...	10 2 11·67	...	77 27 56·7	R
29	...	2 11·60	...	27 54·9	R
Apl. 16	...	2 11·56	...	27 55·4	R
69		*R. P. L.* 72.			
Apl. 17	...	10 12 36·53	3	5 9 35·4	R
18	...	12 36·64	3	9 35·1	R
21	...	12 36·46	3	9 36·1	R
22	...	12 37·30	3	9 35·4	R
		R. P. L. 72.—*s.p.*			
Sep. 24	.	10 12 36·87	3	5 9 36·9	M
Oct. 1	...	12 36·66	3	9 37·1	M
70		41 *Leonis* γ^1			
Feb. 29	...	10 13 34·54	...	69 34 19·5	R
Apl. 16	...	13 34·56	...	34 19·6	R
19	...	13 34·56	...	34 19·0	R
71		*W. B. E.* X. 336.			
Apl. 16	9·0	10 21 7·84	...	92 27 41·8	R
18	9·0	21 7·69	...	27 40·8	R
19	9·0	21 7·81	...	27 41·4	R
22	9·0	21 7·59	..	27 41·0	R
24	9·0	21 7·60	...	27 41·2	R
72		*Anon.*			
Apl. 17	7·5	10 21 42·37	...	92 55 39·1	R
21	7·5	21 42·17	...	55 39·6	R
23	...	21 42·02	...	55 38·8	R
25	7·5	21 42·27	...	55 38·4	R
26	7·5	21 42·29	...	55 38·9	R
73		47 *Leonis* ρ			
Apl. 17	...	10 26 42·13	...	80 5 47·6	R
74		*Yarnall* 4465.			
Apl. 28	5·6	10 37 6·32	...	66 12 16·4	R
29	5·6	37 6·41	...	12 15·5	R
30	5·6	37 6·43	4	12 16·0	R
May 1	5·6	37 6·35	...	12 17·5	M
2	5·6	37 6·45	...	12 17·7	M
75		*Anon.*			
Apl. 16	9·0	10 39 7·37	...	65 48 41·5	R
17	9·0	39 7·35	...	48 41·3	R
22	9·0	39 6·89	...	48 41·2	R
24	9·0	39 7·08	...	48 39·4	R
76		*Anon.*			
Apl. 18	9·0	10 41 36·80	...	66 3 1·2	R
21	9·0	41 37·02	...	3 1·0	R
23	9·0	41 36·81	...	2 59·8	R
25	9·0	41 36·86	...	2 59·7	R
26	9·0	41 36·83	...	2 59·7	R
77		53 *Leonis l.*			
Apl. 17	...	10 43 9·55	...	78 50 26·9	R
78		63 *Leonis* χ			
Apl. 16	...	10 59 1·97	...	82 2 12·4	R
17	...	59 1·98	...	2 12·5	R
79		*R. P. L.* 79.—*s.p.*			
Oct. 1	...	11 0 33·92	3	1 43 49·0	M
2	...	0 33·57	3	43 47·4	M
4	...	0 33·08	2	43 49·1	M
6	...	0 32·54	3	43 46·6	M
8	...	0 31·96	3	43 48·6	M
9	...	0 32·86	3	43 48·6	M
10	...	0 33·41	3	43 47·0	M
80		68 *Leonis* δ			
Apl. 18	...	11 7 56·37	...	68 50 27·6	R
19	...	7 56·27	...	50 27·8	R

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Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
81		*84 Leonis τ*			
Apl. 22	...	11 21 58·26	...	86 30 17·4	R
23	...	21 58·25	...	30 16·4	R
24	...	21 58·25	...	30 15·9	R
25	...	21 58·24	...	30 16·5	R
26	...	21 58·27	...	30 16·4	R
28	...	21 58·26	...	30 16·3	R
29	...	21 58·27	...	30 16·3	R
30	...	21 58·24	...	30 17·8	R
May 1	...	21 58·32	...	30 19·3	M
2	...	21 58·29	...	30 18·8	M
82		*94 Leonis β*			
Apl. 18	...	11 43 8·59	...	74 46 45·7	R
83		*R. P. L. 87—s.p.*			
Oct. 27	...	11 53 36·38	3	2 21 29·9	M
28	...	53 36·78	3	21 31·2	M
Nov. 26	...	53 35·17	3	21 35·3	R
29	...	53 34·33	3	21 34·0	R
Dec. 1	...	53 34·36	3	21 35·1	R
84		*8 Virginis π*			
Apl. 22	...	11 54 55·73	...	82 44 18·8	R
23	...	54 55·70	...	44 17·8	R
24	...	54 55·70	...	44 16·7	R
25	...	54 55·77	...	44 17·3	R
26	...	54 55·72	...	44 17·4	R
28	...	54 55·68	...	44 18·8	R
29	...	54 55·71	...	44 17·8	R
30	...	54 55·65	...	44 18·2	R
May 1	...	54 55·69	...	44 19·9	M
2	...	54 55·74	...	44 18·5	M
85		*Anon.*			
Apl. 26	9·0	11 58 39·53	...	86 44 0·8	R
28	9·0	58 39·58	...	44 3·1	R
29	9·0	58 39·66	...	44 2·2	R
30	9·0	58 39·71	...	44 2·6	R
May 1	9·0	58 39·67	...	44 1·9	M

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
86		*R. P. L. 89.*			
Apl. 16	...	11 58 51·10	3	3 46 10·4	R
17	...	58 53·71	3	46 9·7	R
18	...	58 53·93	3	46 10·2	R
19	...	58 53·72	3	46 11·6	R
		R. P. L. 89—s.p.			
Nov. 17	...	11 58 48·49	3	3 46 18·9	R
18	...	58 48·12	2	46 10·4	R
87		*2 Corvi ε*			
Apl. 18	...	12 4 9·43	...	111 58 25·6	R
88		*R. P. L. 92.*			
Apl. 17	...	12 13 27·27	3	2 55 6·8	R
		R. P. L. 92—s.p.			
Oct. 28	...	12 13 27·27	3	2 55 8·3	M
Nov. 26	...	13 27·98	3	55 12·2	R
89		*15 Virginis η*			
Apl. 16	...	12 13 58·22	...	90 1 20·0	R
19	...	13 58·23	...	1 20·4	R
21	...	13 58·19	...	1 19·0	R
90		*R. P. L. 93.*			
Apl. 22	...	12 14 20·80	3	1 39 21·6	R
		R. P. L. 93—s.p.			
Nov. 18	..	12 14 22·58	3	1 39 28·1	R
91		*Lalande 23300.*			
Apl. 16	8·7	12 21 50·01	...	91 44 16·0	R
17	8·7	21 49·93	...	44 15·3	R
18	8·7	21 49·82	..	44 15·9	R
19	8·7	21 49·75	...	44 16·0	R
21	8·7	21 49·74	...	44 16·2	R

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
92		*R. P. L.* 97—*s.p.*			
Oct. 28	...	12 37 34·07	3	5 43 8·3	M
93		*R. P. L.* 99.			
Apl. 17	...	12 48 16·79	3	5 57 22·4	R
18	...	48 16·62	3	57 22·5	R
94		47 *Virginis* ε, *Vindemiatrix.*			
Apl. 22	...	12 56 24·18	...	78 25 0·7	R
23	...	56 24·21	...	24 59·9	R
24	...	56 24·19	..	24 58·7	R
25	...	56 24·15	...	24 59·0	R
26	...	56 24·16	..	24 59·8	R
28	...	56 24·21	..	24 59·6	R
29	...	56 24·17	...	24 59·4	R
30	...	56 24·26	...	24 59·5	R
May 1	...	56 24·13	...	25 1·5	M
2	.	56 24·12	...	25 1·7	M
95		*R. P. L.* 100—*s.p.*			
Dec. 3	...	13 0 23·49	3	3 29 27·2	M
4	...	0 23·39	3	29 28·6	M
11	...	0 23·44	3	29 31·3	M
12	...	0 23·50	3	29 33·4	M
23	...	0 23·18	3	29 29·2	R
96		*R. P. L.* 101—*s.p.*			
Jan. 2	...	13 6 56·98	3	1 43 41·7	M
3	...	6 57·55	3	43 39·9	M
Dec. 26	...	6 57·81	3	43 42·8	R
27	.	6 56·80	3	43 41·6	R
97		67 *Virginis* α, *Spica.*			
Apl. 21	...	13 19 4·82	...	100 33 18·2	R
98		*R. P. L.* 103.			
Apl. 26	...	13 19 18·47	3	4 38 19·0	R
28	...	19 19·76	3	38 18·8	R
Jan. 2	...	13 19 21·20	3	4 38 24·8	M
3	...	19 20·55	3	38 20·3	M
Nov. 29	...	19 19·65	3	38 19·2	R
Dec. 1	...	19 21·47	3	38 22·4	R
3	...	19 18·61	3	38 20·4	M
4	...	19 20·96	3	38 22·9	M
11	...	19 20·28	3	38 20·3	M
99		8 *Bootis* η			
Apl. 21	...	13 49 9·81	...	71 1 13·0	R
100		93 *Virginis* τ			
June 21	...	13 55 44·66	...	87 53 35·1	M
24	...	55 44·73	...	53 34·9	R
101		*R. P. L.* 108.			
June 21	...	14 1 20·48	2	3 41 9·6	M
28	...	1 22·89	3	41 10·7	R
102		16 *Bootis* α, *Arcturus.*			
June 20	...	14 10 22·30	...	70 12 44·0	M
24	...	10 22·18	...	12 46·1	R
25	...	10 22·15	...	12 46·6	R
103		25 *Bootis* ρ			
June 20	...	14 26 49·78	...	53 7 5·7	M
104		36 *Bootis* ϵ^2, *Mirac.*			
June 20	...	14 39 55·23	...	62 26 8·1	M
21	...	39 55·13	...	26 10·4	M
23	...	39 55·18	...	26 11·0	R
24	...	39 55·13	...	26 8·0	R
105		9 *Libræ* α^2			
June 21	...	14 44 27·86	...	105 33 28·6	M
25	...	44 27·79	...	33 28·2	R
26	...	44 27·78	...	33 26·9	M

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
106 *T Trianguli Australis, Var.*					
June 24	7·0	14 58 57·30	...	158 16 20·3	R
25	...	58 57·22	3	16 21·5	R
107 *R. P. L.* 111.					
June 24	...	15 3 26·58	3	5 35 58·8	R
28	...	3 27·89	3	36 0·8	R
July 14	...	3 27·02	3	35 58·9	M
17	...	3 27·43	3	35 58·1	M
18	...	3 26·88	3	35 58·5	M
R. P. L. 111.—*s.p.*					
Jan. 8	...	15 3 27·42	3	5 36 0·1	M
9	...	3 27·21	3	36 3·8	M
108 27 *Libræ* β					
June 20	...	15 10 45·85	...	98 57 14·8	M
25	...	10 45·82	...	57 14·3	R
26	...	10 45·89	...	57 14·2	R
109 *Redhill* 2293.—*s.p.*					
Nov. 29	...	15 11 46·31	3	4 25 39·8	R
110 *R. P. L.* 114.					
July 14	...	15 15 0·57	3	2 19 22·1	M
17	...	14 59·64	3	19 20·8	M
111 5 *Coronæ Borealis a, Alpheta.*					
June 26	...	15 29 46·48	...	62 53 34·7	R
July 14	...	29 46·45	...	53 40·0	M
18	...	29 46·43	...	53 40·3	M
19	...	29 46·53	...	53 40·7	M
22	...	29 46·63	...	53 37·3	M
23	...	29 46·49	...	53 38·7	M
24	...	29 46·62	...	53 39·1	M
112 24 *Serpentis a*					
June 21	...	15 38 33·31	...	83 12 30·4	M
28	...	38 33·28	...	12 31·2	R
July 14	...	38 33·33	...	12 32·6	M
17	...	38 33·29	...	12 30·6	M
18	...	38 33·30	...	12 31·2	M
19	...	38 33·36	...	12 31·7	M
22	...	38 33·20	...	12 33·1	M
23	...	38 33·31	...	12 33·5	M
24	...	38 33·30	...	12 30·4	M
25	...	38 33·33	...	12 30·9	M
113 *R. P. L.* 115.					
June 20	...	15 45 12·50	3	4 47 32·4	M
114 16 *Ursæ Minoris* ζ					
June 21	...	15 48 13·52	...	11 50 55·6	M
115 8 *Scorpii* β^1					
June 21	...	15 58 41·51	...	109 29 10·9	M
23	...	58 41·62	...	29 10·7	R
28	...	58 41·64	...	29 11·7	R
July 14	...	58 41·66	...	29 12·1	M
17	...	58 41·55	...	29 12·8	M
116 *R. P. L.* 116.					
June 24	...	16 0 34·43	3	4 22 0·4	R
R. P. L. 116.—*s.p.*					
Jan. 8	...	16 0 36·07	3	4 22 4·7	M
117 1 *Ophiuchi* δ					
June 20	...	16 8 15·91	...	93 23 39·0	M
23	...	8 15·95	...	23 40·2	R
118 21 *Scorpii a, Antares.*					
June 20	...	16 22 17·68	...	116 10 23·2	M
21	...	22 17·82	...	10 25·9	M

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
119		40 *Herculis* ζ			
June 21	...	16 36 54·62	...	58 11 11·0	M
28	...	36 54·73	...	11 11·3	R
July 14	...	36 54·77	...	11 11·9	M
120		22 *Ursæ Minoris* ε—*s.p.*			
Jan. 7	...	16 57 53·10	5	7 46 30·4	M
121		*R. P. L.* 118.			
July 14	...	17 1 48·75	3	5 8 39·2	M
122		*G. Z. C.* XVII. 421.			
Aug. 23	...	17 7 0·73	...	130 55 11·6	R
123		64 *Herculis a, Var.* 1.			
July 14	...	17 9 21·44	...	75 28 34·5	M
17	...	9 21·41	...	28 33·7	M
18	...	9 21·52	...	28 33·6	M
124		*Anon.*			
Aug. 18	9·0	17 14 42·41	...	126 23 49·7	R
20	9·0	14 42·56	...	23 49·2	R
21	9·0	14 42·42	...	23 49·3	R
23	9·0	14 42·36	...	23 49·1	R
26	9·0	14 42·35	4	23 48·5	R
125		*Taylor* 8070.			
Aug. 20	6·5	17 21 5·37	..	126 40 45·3	R
21	6·5	21 5·36	...	40 45·8	R
23	6·5	21 5·18	...	40 45·8	R
26	6·5	21 5·16	...	40 48·6	R
Sep. 1	6·5	21 5·07	...	40 46·0	R
126		35 *Scorpii* λ			
Aug. 20	...	17 25 44·15	...	127 1 3·0	R
25	...	25 44·06	...	1 4·7	R
26	...	25 44·12	...	1 4·8	R
Sep. 1	...	25 43·86	...	1 2·5	R
127		*Stone* 9578.			
Aug. 21	...	17 28 15·11	...	146 44 40·0	R
23	...	28 14·88	...	44 40·7	R
128		55 *Ophiuchi a*			
June 20	...	17 29 32·99	...	77 21 17·6	M
129		*R. P. L.* 120.			
June 21	...	17 31 35·22	3	5 17 25·2	M
July 18	...	31 35·79	3	17 26·6	M
130		*Anon.*			
Sep. 1	7·5	17 34 30·28	...	125 44 21·4	R
8	7·5	34 30·40	...	44 21·6	R
10	7·5	34 30·35	...	44 22·1	R
11	7·5	34 30·28	...	44 22·4	R
13	7·5	34 30·40	4	44 24·4	R
131		60 *Ophiuchi* β			
Aug. 18	...	17 37 44·45	...	85 22 58·2	R
19	...	37 44·44	...	22 58·9	R
20	...	37 44·52	...	22 57·9	R
21	...	37 44·45	...	22 58·9	R
23	...	37 44·50	...	23 0·1	R
25	...	37 44·45	...	23 0·8	R
26	...	37 44·47	...	22 57·9	R
Sep. 10	...	37 44·49	...	22 57·7	R
11	..	37 44·48	...	22 57·9	R
13	...	37 44·58	...	22 59·2	R
132		86 *Herculis* μ			
July 22	...	17 41 55·12	...	62 12 41·3	M
23	...	41 55·23	...	12 37·0	M
24	...	41 55·00	...	12 36·9	M
25	...	41 54·95	...	12 37·7	M
133		*Anon.*			
July 26	8·5	17 42 56·34	...	143 28 18·1	M
Aug. 5	8·0	42 56·53	4	28 21·4	R

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
134		*72 Ophiuchi.*			
Aug. 18	...	18 1 50·93	...	80 27 5·3	R
19	...	1 50·95	...	27 5·1	R
20	...	1 50·95	...	27 6·1	R
23	...	1 50·99	...	27 5·3	R
25	...	1 50·97	...	27 7·7	R
26	...	1 50·97	...	27 4·8	R
28	...	1 50·99	...	27 7·7	R
Sep. 1	...	1 51·05	...	27 5·0	R
8	...	1 50·97	...	27 4·0	R
10	...	1 50·99	...	27 3·9	R
135		*Taylor* 8410.			
July 22	...	18 4 38·71	...	113 43 25·9	M
23	...	4 38·71	...	43 24·7	M
26	...	4 38·65	6	43 19·9	M
Aug. 4	...	4 38·63	...	43 23·4	R
5	...	4 38·56	...	43 24·0	R
136		*13 Sagittarii* μ^1			
July 19	...	18 6 49·47	...	111 5 16·3	M
137		*Stone* 9951.			
Aug. 7	6·0	18 8 27·43	...	153 55 3·2	R
8	6·0	8 27·48	5	55 3·5	R
12	6·0	8 27·07	...	55 5·2	R
13	6·0	8 27·04	...	55 3·7	R
15	6·0	8 27·27	...	55 4·8	R
138		*23 Ursæ Minoris* δ *—s.p.*			
Jan. 21	...	18 9 45·04	3	3 23 27·3	M
22	...	9 43·78	3	23 24·5	M
23	...	9 44·27	3	23 26·9	M
24	...	9 45·05	3	23 24·7	M
28	...	9 44·54	3	23 25·7	M
30	...	9 44·07	3	23 23·1	M
31	...	9 44·75	3	23 22·8	M
Feb. 2	...	9 44·26	3	23 24·8	R
5	...	9 44·13	3	23 23·1	R
139		*Taylor* 8440.			
July 22	...	18 12 31·91	...	151 32 38·5	M
Aug. 7	...	12 32·37	5	32 40·2	R
8	...	12 32·28	...	32 40·6	R
11	...	12 32·10	...	32 41·1	R
12	...	12 32·09	...	32 40·8	R
140		*24 Ursæ Minoris.*			
Aug. 18	...	18 13 42·84	3	3 0 33·2	R
19	...	13 44·17	3	0 34·2	R
20	...	13 43·48	3	0 34·6	R
Sep. 11	...	13 43·59	3	0 33·4	R
13	...	13 44·82	3	0 33·2	R
16	...	13 44·78	3	0 31·4	M
24	...	13 43·55	3	0 31·7	M
		24 Ursæ Minoris —s.p.			
Jan. 31	...	18 13 42·81	3	3 0 35·7	M
Feb. 7	...	13 42·80	3	0 37·0	R
141		*Taylor* 8454			
July 18	6·0	18 15 1·32	...	126 43 21·1	M
23	6·0	15 1·35	...	43 19·4	M
25	6·0	15 1·35	5	43 19·0	M
Aug. 2	6·0	15 1·27	...	43 19·4	R
4	6·0	15 1·39	...	43 18·4	R
142		*Stone* 10042.			
July 19	6·5	18 20 24·35	...	119 53 9·4	M
22	7·0	20 24·41	...	53 8·7	M
23	7·0	20 24·34	...	53 7·6	M
Aug. 4	6·7	20 24·57	...	53 8·2	R
7	6·7	20 24·47	...	53 7·1	R
143		*22 Sagittarii* λ			
Aug. 2	...	18 20 48·80	...	115 29 2·0	R
5	...	20 48·89	...	29 2·1	R

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Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
144		*Taylor* 8520.			
July 18	6·0	18 25 11·22	...	142 58 27·5	M
22	6·0	25 11·15	4	58 26·7	M
Aug. 7	6·0	25 11·52	...	58 26·9	R
8	6·0	25 11·49	...	58 28·5	R
145		*Stone* 10137.			
July 22	6·5	18 31 2·46	5	154 44 41·8	M
Aug. 12	6·0	31 2·43	...	44 45·5	R
13	6·0	31 2·37	...	44 45·6	R
16	6·0	31 2·43	...	44 45·5	R
18	6·0	31 2·35	...	44 45·0	R
146		3 *Lyræ a, Vega.*			
July 23	...	18 33 0·50	...	51 19 24·8	M
26	...	33 0·61	...	19 22·9	M
Aug. 4	...	33 0·39	...	19 21·8	R
5	...	33 0·34	...	19 24·2	R
7	...	33 0·50	...	19 24·4	R
8	...	33 0·46	...	19 23·9	R
147		*Stone* 10173.			
Aug. 15	6·0	18 34 36·91	...	151 12 21·9	R
19	6·0	34 37·00	...	12 25·1	R
23	6·0	34 37·20	5	12 25·1	R
28	6·0	34 37·27	...	12 25·0	R
Sep. 1	6·0	34 37·30	5	12 20·9	R
148		*Taylor* 8603.			
July 22	7·0	18 37 59·75	...	140 12 44·9	M
25	...	37 59·66	...	12 46·2	M
Aug. 2	5·0	37 59·59	...	12 45·2	R
4	5·0	37 59·64	...	12 43·9	R
8	5·0	37 59·80	...	12 44·8	R
149		η^1 *Coronæ Australis.*			
July 23	...	18 40 28·03	...	133 48 16·8	M
Aug. 12	...	40 28·18	...	48 16·1	R
14	...	40 28·22	...	48 15·5	R
15	...	40 28·05	...	48 14·9	R
16	...	40 28·22	...	48 16·2	R
150		*Anon.*			
Aug. 16	8·0	18 43 52·73	...	125 30 57·0	R
18	8·0	43 52·98	...	30 56·4	R
151		10 *Lyræ β, Var.* 1.			
July 22	...	18 45 47·76	...	56 46 17·6	M
Aug. 8	...	45 47·82	...	46 17·0	R
12	...	45 47·60	...	46 16·7	R
14	...	45 47·64	...	46 17·0	R
152		*Anon.*			
July 22	9·5	18 52 19·19	5	132 56 54·3	M
Aug. 18	9·5	52 19·08	...	56 52·9	R
19	9·5	52 19·02	...	56 50·5	R
28	9·5	52 19·18	...	56 53·3	R
153		*R. P. L.* 131.			
Aug. 18	...	18 52 43·66	3	3 26 20·0	R
Sep. 10	...	52 42·95	3	26 19·5	R
11	...	52 43·06	3	26 19·5	R
13	...	52 44·87	3	26 20·0	R
16	...	52 44·14	3	26 19·1	M
24	...	52 43·64	3	26 19·6	M
154		*Anon.*			
Aug. 2	8·9	18 53 58·75	...	128 6 51·9	R
4	8·9	53 58·69	3	6 50·5	R
12	8·0	53 59·21	3	6 49·8	R
155		*Stone* 10351.			
July 25	...	18 55 22·59	...	128 25 7·7	M
156		*Stone* 10391.			
July 22	...	19 0 37·17	...	132 36 15·2	M
Aug. 7	...	0 37·35	...	36 15·1	R

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Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
157		*Stone* 10399.			
Aug. 13	...	19 1 41·54	...	146 29 31·5	R
15	...	1 41·39	...	29 31·0	R
19	...	1 41·43	...	29 31·7	R
21	...	1 41·68	4	29 31·6	R
23	...	1 41·78	...	29 31·7	R
158		*Stone* 10404.			
July 19	...	19 1 47·31	...	132 4 27·2	M
25	...	1 47·15	...	4 28·5	M
Aug. 14	...	1 47·11	...	4 29·3	R
16	...	1 47·20	...	4 28·4	R
18	...	1 47·31	...	4 28·2	R
159		*Stone* 10428.			
Aug. 8	...	19 5 43·15	...	155 25 29·6	R
12	...	5 42·76	...	25 31·7	R
28	...	5 42·94	...	25 30·4	R
Sep. 1	...	5 43·19	4	25 31·7	R
8	...	5 42·69	...	25 29·8	R
160		*Anon.*			
July 22	9·5	19 10 17·85	...	130 46 28·3	M
Aug. 13	9·5	10 17·67	...	46 27·9	R
161		*Stone* 10465.			
July 19	...	19 11 58·45	4	125 37 52·3	M
25	...	11 58·64	...	37 52·6	M
162		25 *Aquilæ* ω			
July 26	...	19 12 22·31	...	78 36 45·5	M
163		*Stone* 10487.			
Aug. 2	7·0	19 14 18·07	...	119 49 12·5 16·5	R
164		49 *Sagittarii* χ^3			
July 22	...	19 18 28·27	...	114 11 19·0	M
25	...	18 28·28	...	11 18·1	M
Aug. 8	...	18 28·34	...	11 19·2	R
165		30 *Aquilæ* δ			
July 26	...	19 19 38·91	...	87 6 55·8	M
Aug. 5	...	19 38·95	...	6 55·2	R
166		*Anon.*			
Sep. 10	9·0	19 26 3·06	4	146 54 53·7	R
167		*Taylor* 8982.			
July 25	...	19 28 40·11	...	148 14 18·9	M
Aug. 12	...	28 40·04	...	14 17·1	R
13	...	28 40·09	...	14 17·4	R
168		*Stone* 10598.			
July 22	6·7	19 32 1·36	...	129 41 38·2	M
26	...	32 1·34	...	41 37·9	M
Aug. 4	6·7	32 1·58	...	41 39·2	R
169		*Anon.*			
Aug. 12	7·0	19 33 29·46	...	126 35 51·6	R
13	7·0	33 29·37	...	35 52·2	R
15	7·5	33 29·47	...	35 51·1	R
16	7·5	33 29·51	...	35 52·0	R
170		*Stone* 10624.			
Aug. 18	7·0	19 36 25·80	...	131 52 59·1	R
19	7·0	36 25·78	...	52 59·0	R
171		*Stone* 10643.			
Aug. 12	6·7	19 39 52·89	...	143 10 12·8	R
15	6·7	39 53·16	...	10 12·6	R
16	6·7	39 53·25	...	10 13·4	R
19	6·7	39 53·17	...	10 13·1	R
172		λ *Ursæ Minoris.*			
Oct. 11	...	19 39 58·57	3	1 2 48·4	M
13	...	39 58·56	2	2 48·4	M

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
		λ *Ursæ Minoris*—*s.p.*			
Feb. 9	...	19 39 57·07	3	1 2 49·2	R
13	...	39 57·18	3	2 48·5	R
16	...	39 57·19	3	2 48·8	R
173		**50 *Aquilæ γ***			
July 25	...	19 40 44·53	...	79 40 7·4	M
Aug. 2	...	40 44·58	...	40 5·5	R
4	...	40 44·62	...	40 5·6	R
7	...	40 44·68	..	40 6·3	R
174		**53 *Aquilæ α, Altair.***			
July 26	...	19 45 7·35	...	81 26 12·9	M
Aug. 8	...	45 7·51	...	26 13·7	R
16	...	45 7·38	...	26 12·7	R
175		**60 *Aquilæ β***			
Aug. 12	...	19 49 36·90	...	83 52 55·1	R
176		***Stone* 10739.**			
Aug. 4	6·7	19 52 22·35	...	138 21 31·2	R
177		***Anon.***			
Aug. 16	8·0	19 54 29·70	...	130 18 7·3	R
19	8·0	54 29·90	...	18 7·1	R
20	8·0	54 29·93	...	18 7·2	R
23	8·0	54 30·06	...	18 6·3	R
178		***Stone* 10797.**			
July 26	...	20 0 43·49	...	137 24 3·6	M
Aug. 4	...	0 43·42	...	24 3·4	R
179		***Stone* 10803.**			
Aug. 5	6·7	20 2 1·27	...	134 13 52·0	R
12	6·7	2 1·18	.	13 53·3	R
15	6·7	2 1·16	...	13 52·4	R
16	6·7	2 1·30	...	13 54·0	R
18	6·7	2 1·13	...	13 53·0	R
180		**65 *Aquilæ θ***			
Aug. 20	...	20 5 19·13	...	91 9 52·4	R
21	..	5 19·09	..	9 51·3	R
23	...	5 19·10	...	9 51·9	R
25	...	5 19·18	..	9 53·5	R
26	..	5 19·15	...	9 52·3	R
28	...	5 19·25	...	9 58·0	R
Sep. 1	...	5 19·11	...	9 50·9	R
8	...	5 19·13	...	9 53·1	R
10	...	5 19·10	...	9 52·0	R
11	...	5 19·16	...	9 51·5	R
18	...	5 19·12	...	9 50·3	R
16	...	5 19·18	...	9 53·3	M
24	...	5 19·17	...	9 55·4	M
25	...	5 19·22	..	9 55·4	M
26	...	5 19·16	...	9 54·4	M
Oct. 1	...	5 19·19	...	9 53·1	M
2	...	5 19·21	...	9 54·2	M
3	...	5 19·19	...	9 55·5	M
4	...	5 19·24	...	9 53·7	M
6	...	5 19·34	...	9 55·4	M
181		***Taylor* 9303.**			
Aug. 15	...	20 8 3·31	...	117 22 40·0	R
16	...	8 3·21	...	22 41·1	R
18	...	8 3·09	...	22 40·2	R
182		**6 *Capricorni* a^2**			
Aug. 12	...	20 11 37·19	...	102 54 10·8	R
18	...	11 37·13	...	54 9·2	R
183		**24 *Cephei* (*Hev.*), *Var.* 2.**			
Oct. 3	...	20 12 39·27	3	1 13 17·0	M
184		***Taylor* 9343.**			
Aug. 5	6·7	20 13 15·40	...	140 21 21·6	R
185		***Anon.***			
Sep. 13	8·5	20 18 5·71	5	121 8 2·9	R

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
186		*Anon.*			
Aug. 16	8·5	20 21 33·47	5	133 19 21·9	R
187		*Taylor* 9464.			
Aug. 19	...	20 26 44·31	...	112 37 23·7	R
188		*R. P. L.* 143.			
Aug. 7	...	20 26 50·24	3	5 14 28·1	R
20	...	26 50·55	3	14 27·1	R
Sep. 10	...	26 50·09	3	14 26·0	R
189		2 *Delphini* ϵ			
Oct. 6	...	20 27 40·17	...	79 5 26·5	M
7	...	27 40·23	...	5 25·7	M
8	...	27 40·25	...	5 24·6	M
9	...	27 40·16	...	5 24·6	M
10	...	27 40·13	...	5 26·1	M
11	...	27 40·26	...	5 25·3	M
13	...	27 40·16	...	5 27·6	M
21	...	27 40·35	...	5 26·1	M
22	...	27 40·19	...	5 26·0	M
27	...	27 40·18	...	5 28·4	M
190		*Taylor* 9561.			
Aug. 12	...	20 37 18·15	...	126 14 39·1	R
191		50 *Cygni a, Deneb.*			
Sep. 13	...	20 37 28·50	...	45 7 59·9	R
16	...	37 28·54	...	7 57·6	M
24	...	37 28·39	...	7 58·9	M
25	...	37 28·46	...	7 58·9	M
26	...	37 28·49	...	7 58·1	M
192		*Taylor* 9573.			
Aug. 20	...	20 39 25·54	...	136 16 38·4	R
23	...	39 25·62	...	16 37·6	R

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
193		2 *Aquarii* ϵ			
Oct. 6	...	20 41 23·55	...	99 55 12·3	M
7	...	41 23·66	...	55 11·8	M
8	...	41 23·65	...	55 11·9	M
9	...	41 23·71	...	55 12·0	M
10	...	41 23·70	...	55 10·0	M
11	...	41 23·65	...	55 11·3	M
13	...	41 23·70	...	55 12·8	M
22	...	41 23·62	...	55 10·7	M
27	...	41 23·73	...	55 12·6	M
28	...	41 23·63	...	55 12·1	M
194		*Stone* 11091.			
Aug. 23	...	20 44 45·21	5	142 8 54·4	R
28	...	44 45·13	...	8 56·1	R
Sep. 1	...	44 45·06	...	8 55·8	R
8	...	44 45·05	4	8 55·0	R
195		*Stone* 11115.			
Aug. 25	...	20 47 8·89	4	118 21 48·0	R
26	...	47 8·94	...	21 44·6	R
196		32 *Vulpeculæ.*			
Aug. 28	...	20 49 36·81	...	62 23 1·1	R
197		*Lalande* 40458.			
Sep. 26	...	20 50 37·90	...	100 8 29·1	M
Oct. 1	...	50 37·84	...	8 30·8	M
2	...	50 37·84	...	8 31·0	M
4	...	50 37·85	...	8 30·2	M
6	...	50 37·84	...	8 29·2	M
198		76 *Draconis.*			
Oct. 8	...	20 50 54·94	...	7 53 59·1	M
9	...	50 54·09	...	53 59·2	M
10	...	50 55·68	...	53 58·5	M
11	...	50 55·07	...	53 59·5	M

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
199		*Stone* 11191.			
Aug. 28	...	20 58 16·69	..	138 59 11·8	R
200		23 *Capricorni* θ			
Aug. 21	...	20 59 25·56	...	107 41 38·7	R
201		*Anon.*			
Sep. 10	8·0	21 0 18·10	...	150 59 23·5	R
24	8·0	0 18·01	...	59 24·4	M
26	8·0	0 18·48	...	59 25·5	M
202		24 *Capricorni* A.			
Aug. 26	...	21 0 20·45	...	115 28 6·3	R
203		61 *Cygni*—1*st*.			
Sep. 1	...	21 1 41·81	...	51 49 11·4	R
13	...	1 41·86	...	49 12·2	R
204		61 *Cygni*—2*nd*.			
Sep. 8	...	21 1 43·25	...	51 49 22·0	R
Oct. 1	...	1 43·23	...	49 22·8	M
3	...	1 43·28	...	49 25·4	M
4	...	1 43·13	...	49 23·5	M
7	...	1 43·33	...	49 23·3	M
8	..	1 43·53	...	49 23·5	M
9	...	1 43·22	...	49 24·9	M
28	...	1 43·21	...	49 28·1	M
205		*Anon.*			
Oct. 10	8·5	21 4 28·16	...	100 40 52·3	M
11	8·5	4 28·29	...	40 50·7	M
21	...	4 28·03	...	40 52·4	M
22	8·5	4 28·07	...	40 53·0	M
27	8·5	4 28·32	...	40 53·3	M
206		64 *Cygni* ζ			
Sep. 1	...	21 7 59·89	...	60 14 51·9	R

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
207		5 *Cephei* α			
Sep. 13	...	21 15 48·69	...	27 54 19·2	R
24	...	15 48·57	...	54 22·7	M
25	...	15 48·26	...	54 19·8	M
26	...	15 48·27	...	54 20·5	M
Oct. 6	...	15 48·35	...	54 22·6	M
11	...	15 48·51	...	54 20·6	M
21	...	15 48·19	...	54 22·3	M
22	...	15 48·87	...	54 18·9	M
208		22 *Aquarii* β			
Sep. 13	...	21 25 27·08	...	96 4 50·0	R
24	...	25 27·15	...	4 51·9	M
209		*Anon.*			
Sep. 24	9·0	21 33 43·75	...	119 45 19·9	M
Oct. 3	9·0	33 43·93	...	45 19·1	M
4	9 0	33 43·83	...	45 20·7	M
6	...	33 43·85	...	45 17·9	M
8	9·0	33 43·67	...	45 19·2	M
210		ϵ *Indi.*			
Oct. 1	...	21 54 28·83	...	147 15 42·6	M
3	...	54 28·74	...	15 42·6	M
4	...	54 28·82	...	15 41·6	M
6	...	54 28·86	...	15 43·2	M
7	...	54 28·81	...	15 41·1	M
8	...	54 28·98	...	15 40·5	M
9	..	54 28·93	...	15 40·3	M
10	...	54 28·74	...	15 41·2	M
11	...	54 29·03	...	15 41·5	M
13	...	54 29·04	..	15 43·0	M
211		34 *Aquarii* α			
Sep. 24	...	21 59 49·58	...	90 52 59·6	M
212		48 *Aquarii* γ			
Oct. 11	...	22 15 39·77	...	91 58 14·4	M
13	...	15 39·94	...	58 19·8	M
21	...	15 39·76	...	58 19·0	M

Separate Results of Madras Meridian Circle Observations in 1884.

Number and Date.	Magnitude.	Mean Right Ascension 1884. h. m. s.	No. of Wires.	Mean Polar Distance 1884. ° ′ ″	Observer.
Oct. 22	...	22 15 39·91	...	19 58 20·6	M
27	...	15 39·81	...	58 19·0	M
28	...	15 39·91	...	58 20·7	M
Nov. 12	...	15 39·82	...	58 16·2	R
14	...	15 39·88	...	58 17·2	R
15	...	15 39·94	...	58 18·2	R
17	...	15 39·98	...	58 17·0	R
213	*R. P. L.* 150.				
Oct. 1	...	22 22 23·00	3	4 28 35·3	M
214	*R. P. L.* 151.				
Oct. 2	...	22 22 48·59	3	4 21 43·5	M
3	...	22 49·03	3	21 42·2	M
215	*R. P. L.* 153.				
Oct. 4	...	22 26 44·31	3	2 30 25·0	M
	R. P. L. 153—*s.p.*				
Apl. 16	...	22 26 40·85	3	2 30 30·4	R
216	42 *Pegasi* ζ				
Oct. 1	...	22 35 40·42	...	79 46 27·0	M
2	...	35 40·63	...	46 26·7	M
217	73 *Aquarii* λ				
Oct. 1	...	22 46 33·71	...	98 11 48·8	M
2	...	46 33·58	...	11 48·7	M
3	...	46 33·68	...	11 48·6	M
Oct. 4	...	22 46 33·67	...	98 11 49·0	M
6	...	46 33·71	...	11 48·4	M
7	...	46 33·68	...	11 50·3	M
8	...	46 33·76	...	11 48·5	M
9	...	46 33·65	...	11 49·5	M
10	...	46 33·70	...	11 50·1	M
11	...	46 33·73	...	11 49·5	M
22	...	46 33·59	...	11 47·7	M
27	...	46 33·72	...	11 49·3	M
28	...	46 33·64	...	11 50·8	M
Nov. 12	...	46 33·65	...	11 46·7	R
218	24 *Piscis Australis* α, *Fomalhaut.*				
Nov. 12	...	22 51 14·28	...	120 14 11·8	M
14	...	51 14·28	...	14 12·7	M
219	6 *Piscium* γ				
Oct. 3	...	23 11 9·07	...	87 21 4·7	M
9	...	11 9·11	...	21 6·7	M
220	8 *Piscium* κ				
Oct. 6	...	23 20 50·09	...	89 22 48·9	M
221	17 *Piscium* ι				
Oct. 8	...	23 33 58·95	...	85 0 10·3	M
222	28 *Piscium* ω				
Oct. 10	...	23 53 21·30	...	83 46 44·9	M